

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
 Data File : BG045994.D
 Acq On : 9 Jul 2020 14:35
 Operator : CG/JU
 Sample : L3216-03
 Misc : MDL-SOIL-4PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Manual Integrations
 APPROVED

Quant Time: Jul 09 15:18:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:56:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	146144	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	594831	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	346221	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	710700	20.00	ng	0.00
76) Chrysene-d12	21.63	240	648286	20.00	ng	0.00
86) Perylene-d12	24.78	264	630548	20.00	ng	-0.02

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System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	1235344	137.08	ng	0.00
7) Phenol-d6	7.16	99	1724578	132.92	ng	0.00
23) Nitrobenzene-d5	9.16	82	858121	83.03	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	463505	144.25	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1631270	73.49	ng	0.00
79) Terphenyl-d14	19.98	244	1706668	58.59	ng	0.00

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Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	17244	4.147	ng	98
3) Pyridine	3.91	79	38799	3.086	ng	95
4) n-Nitrosodimethylamine	3.82	42	15264	3.591	ng	# 81
6) Aniline	7.33	93	62264	3.751	ng	97
8) 2-Chlorophenol	7.57	128	35302	3.639	ng	92
9) Benzaldehyde	7.15	77	43528	5.295	ng	88
10) Phenol	7.19	94	48413	3.720	ng	88
11) bis(2-Chloroethyl)ether	7.43	93	40305	3.745	ng	93
12) 1,3-Dichlorobenzene	7.90	146	40830	3.651	ng	93
13) 1,4-Dichlorobenzene	8.04	146	40885	3.717	ng	91
14) 1,2-Dichlorobenzene	8.36	146	37961	3.586	ng	97
15) Benzyl Alcohol	8.23	79	33572	3.300	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.54	45	50161	3.572	ng	95
17) 2-Methylphenol	8.44	107	31682	3.244	ng	96
18) Hexachloroethane	9.09	117	15826	3.739	ng	86
19) n-Nitroso-di-n-propylamine	8.80	70	33768	3.705	ng	98
20) 3+4-Methylphenols	8.76	107	42501	3.193	ng	97
22) Acetophenone	8.82	105	59865	3.767	ng	# 98
24) Nitrobenzene	9.20	77	48608	4.261	ng	# 97
25) Isophorone	9.72	82	86799	3.440	ng	99
26) 2-Nitrophenol	9.91	139	12909	3.472	ng	89
27) 2,4-Dimethylphenol	9.97	122	31309	3.487	ng	97
28) bis(2-Chloroethoxy)methane	10.21	93	51776	3.655	ng	99
29) 2,4-Dichlorophenol	10.44	162	28505	3.066	ng	97
30) 1,2,4-Trichlorobenzene	10.66	180	34729	3.372	ng	98
31) Naphthalene	10.85	128	119988	3.763	ng	96
33) 4-Chloroaniline	10.95	127	46397	3.256	ng	98
34) Hexachlorobutadiene	11.16	225	19256	3.202	ng	98
35) Caprolactam	11.69	113	10404	2.948	ng	# 86
36) 4-Chloro-3-methylphenol	12.07	107	31498	2.975	ng	# 89
37) 2-Methylnaphthalene	12.46	142	83045	3.664	ng	97
38) 1-Methylnaphthalene	12.67	142	80736	3.774	ng	94
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	37437	3.836	ng	96
41) Hexachlorocyclopentadiene	12.81	237	19881	3.433	ng	92

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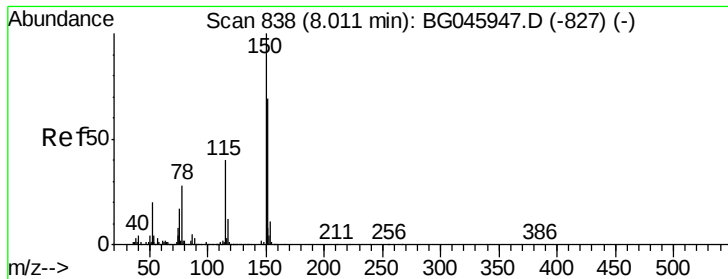
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Manual Integrations
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
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 QLast Update : Thu Jul 09 11:56:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) 2,4,6-Trichlorophenol	13.06	196	20406	3.092	ng		94
44) 2,4,5-Trichlorophenol	13.13	196	22277	2.985	ng	#	95
46) 1,1'-Biphenyl	13.46	154	107413	4.124	ng		99
47) 2-Chloronaphthalene	13.50	162	75167	3.658	ng		98
48) 2-Nitroaniline	13.69	65	18930	3.936	ng		97
49) Acenaphthylene	14.35	152	128442	3.874	ng		95 mohammad
50) Dimethylphthalate	14.08	163	90832	3.496	ng		99
51) 2,6-Dinitrotoluene	14.19	165	15866	3.935	ng		87
52) Acenaphthene	14.69	154	73451	3.512	ng		93
53) 3-Nitroaniline	14.51	138	16948	3.392	ng	#	95
55) Dibenzofuran	15.02	168	116013	3.784	ng		99 7/10/2020 11:47:08 AM
56) 4-Nitrophenol	14.81	139	12331	2.913	ng		88
57) 2,4-Dinitrotoluene	14.97	165	19402	3.895	ng		89
58) Fluorene	15.68	166	93793	3.730	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.25	232	18853	3.272	ng		94
60) Diethylphthalate	15.45	149	93362	3.426	ng		99
61) 4-Chlorophenyl-phenylether	15.67	204	44218	3.534	ng		98
62) 4-Nitroaniline	15.67	138	18409	3.428	ng		93
63) Azobenzene	15.96	77	111786	3.822	ng		97
65) 4,6-Dinitro-2-methylphenol	15.74	198	5124	2.462	ng		96
66) n-Nitrosodiphenylamine	15.88	169	79854	3.626	ng		95
67) 4-Bromophenyl-phenylether	16.57	248	26478	3.336	ng		90
68) Hexachlorobenzene	16.68	284	28622	3.593	ng		96
69) Atrazine	16.83	200	25746	3.954	ng		97
70) Pentachlorophenol	17.02	266	9884	2.232	ng		96
71) Phenanthrene	17.41	178	145835m	3.881	ng		
72) Anthracene	17.50	178	146966	3.854	ng		95
73) Carbazole	17.76	167	134617	3.522	ng		96
74) Di-n-butylphthalate	18.34	149	157517	3.411	ng	#	95
75) Fluoranthene	19.42	202	166600	3.836	ng		93
77) Benzidine	19.59	184	74322	4.010	ng		100
78) Pyrene	19.78	202	172971	3.909	ng		95
80) Butylbenzylphthalate	20.67	149	60833	2.909	ng		97
81) Benzo(a)anthracene	21.60	228	157437	3.693	ng		92
82) 3,3'-Dichlorobenzidine	21.52	252	53112	3.372	ng		95
83) Chrysene	21.67	228	146005	3.595	ng		97
84) Bis(2-ethylhexyl)phthalate	21.54	149	94594	3.116	ng	#	92
85) Di-n-octyl phthalate	22.75	149	148199	2.813	ng		98
87) Indeno(1,2,3-cd)pyrene	28.34	276	159305	3.453	ng	#	91
88) Benzo(b)fluoranthene	23.78	252	144852	3.619	ng		97
89) Benzo(k)fluoranthene	23.85	252	147839	3.906	ng		99
90) Benzo(a)pyrene	24.63	252	133564	3.549	ng		98
91) Dibenzo(a,h)anthracene	28.42	278	135468	3.641	ng		94
92) Benzo(g,h,i)perylene	29.45	276	135621	3.622	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



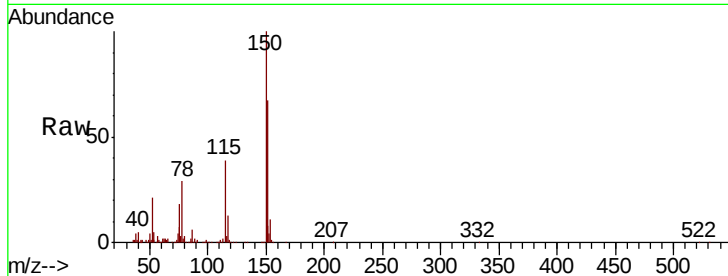
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

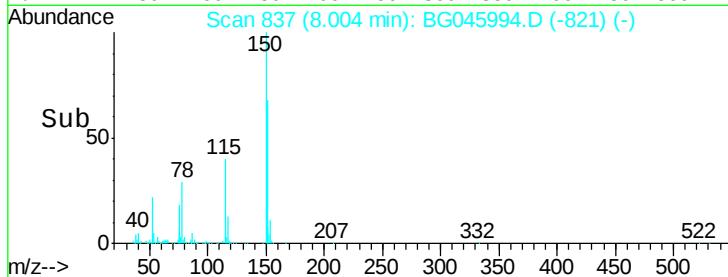
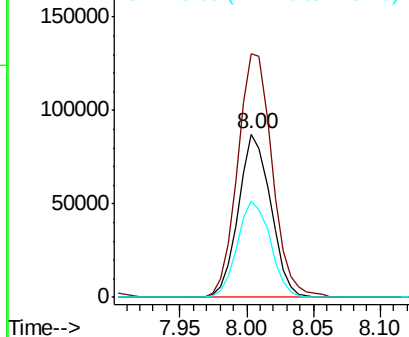
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.0	116.7	175.1
115	58.7	47.4	71.0

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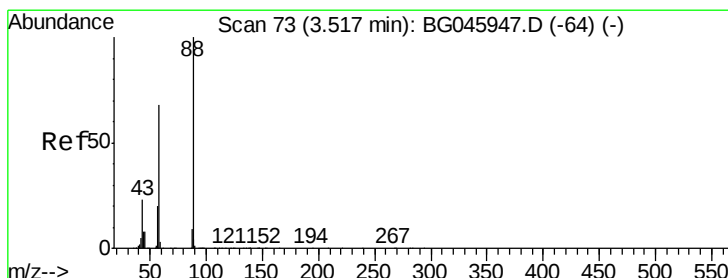


Abundance Ion 152.00 (151.70 to 152.70): B
Ion 150.00 (149.70 to 150.70): B
Ion 115.00 (114.70 to 115.70): B



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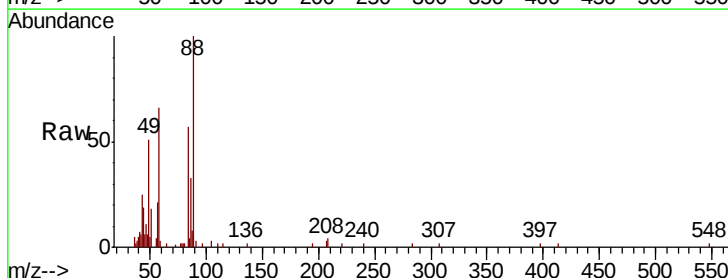
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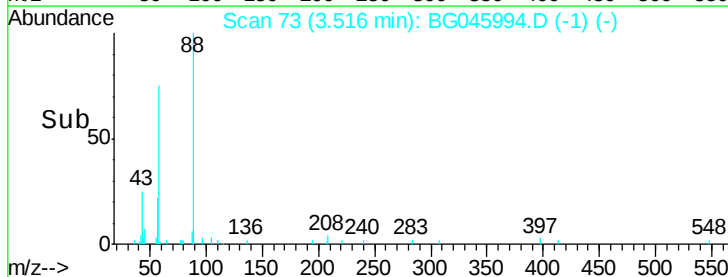
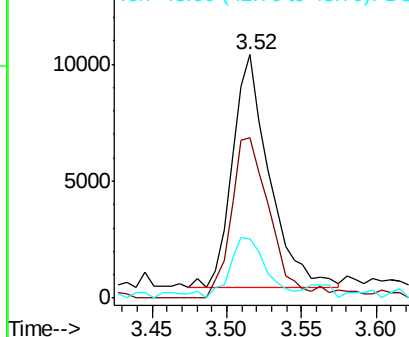
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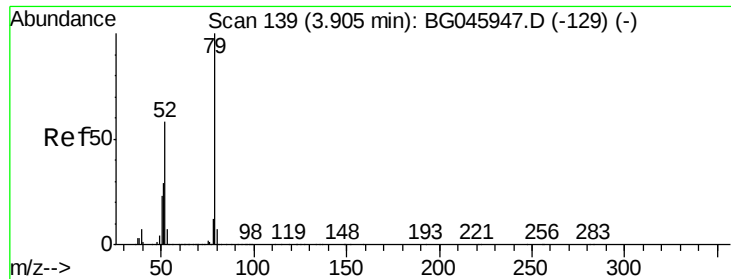
1,4-Dioxane
Concen: 4.147 ng
RT: 3.52 min Scan# 73
Delta R.T. -0.00 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.7	55.2	82.8
43	25.3	19.4	29.0



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC



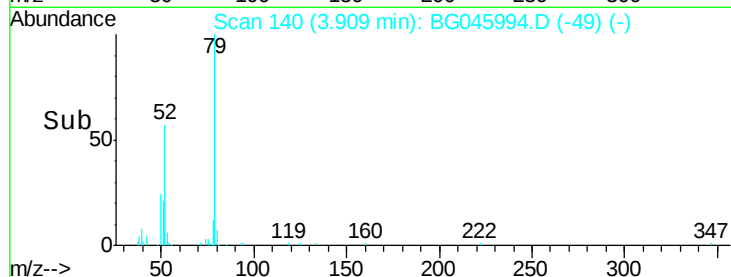
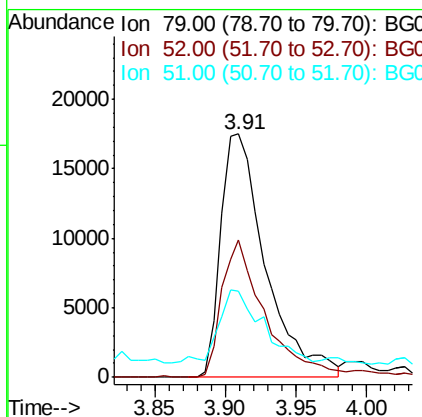
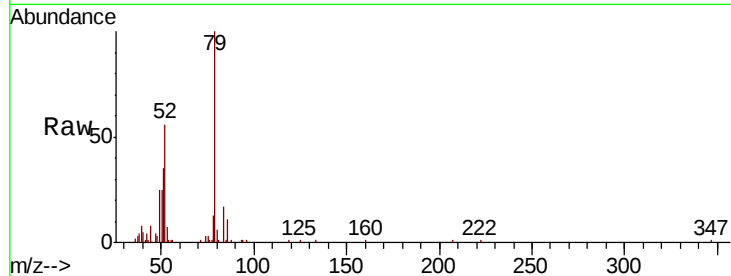


#3
 Pvridine
 Concen: 3.086 ng
 RT: 3.91 min Scan# 140
 Delta R.T. 0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

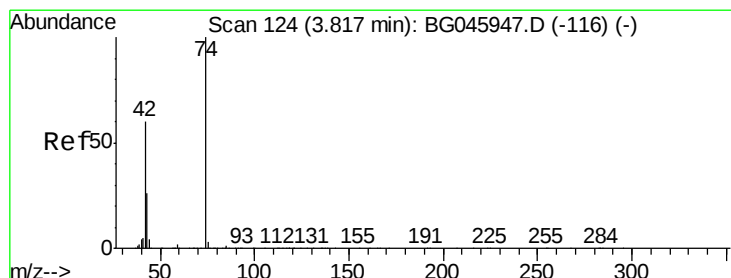
Tot Ion	Ratio	Lower	Upper
79	100		
52	56.2	46.5	69.7
51	35.1	23.5	35.3

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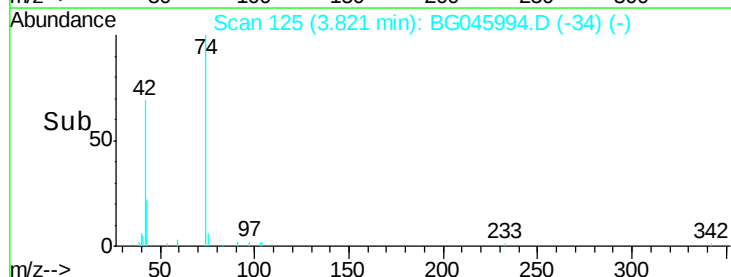
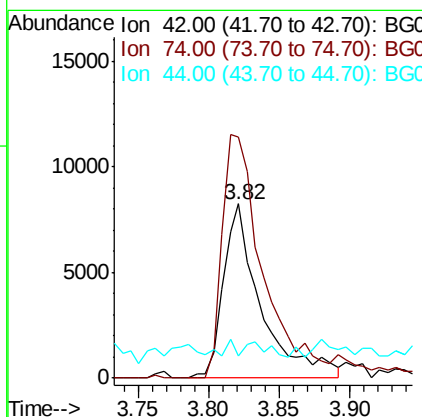
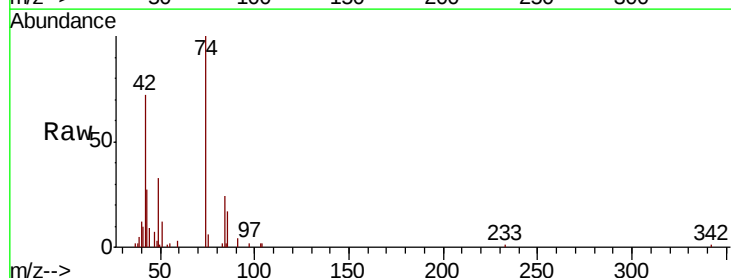
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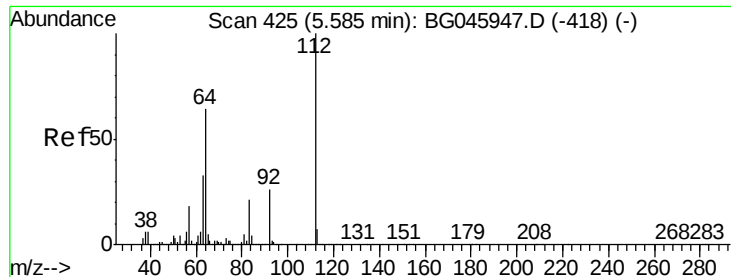
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#4
 n-Nitrosodimethylamine
 Concen: 3.591 ng
 RT: 3.82 min Scan# 125
 Delta R.T. 0.00 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
42	100		
74	138.7	131.9	197.9
44	12.8	7.7	11.5





#5

2-Fluorophenol

Concen: 137.078 ng

RT: 5.58 min Scan# 425

Delta R.T. -0.00 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

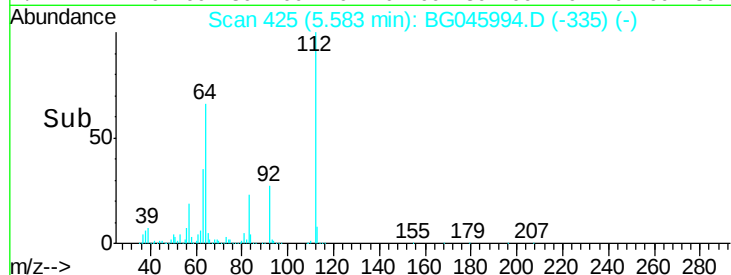
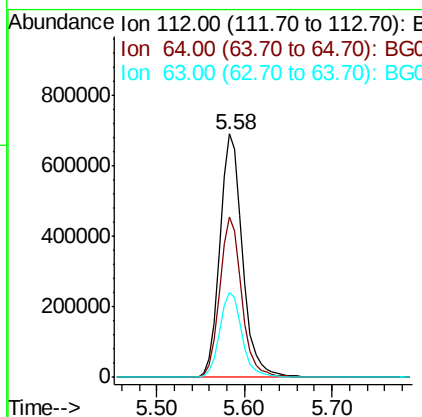
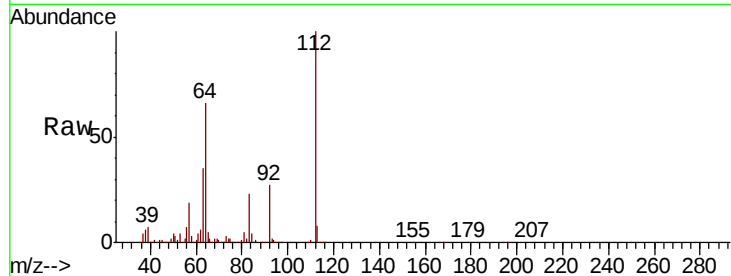
BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

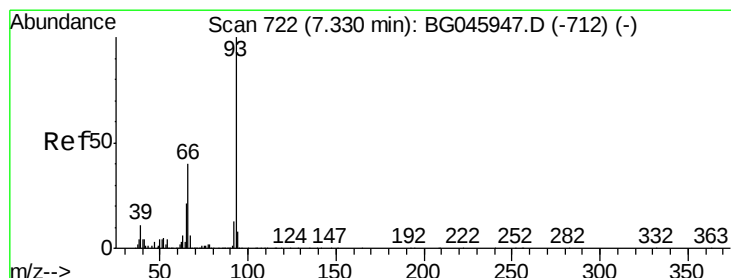
Tot Ion:	112	Resp:	1235344
Ion	Ratio	Lower	Upper
112	100		
64	66.0	51.4	77.2
63	34.7	26.6	40.0

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#6

Aniline

Concen: 3.751 ng

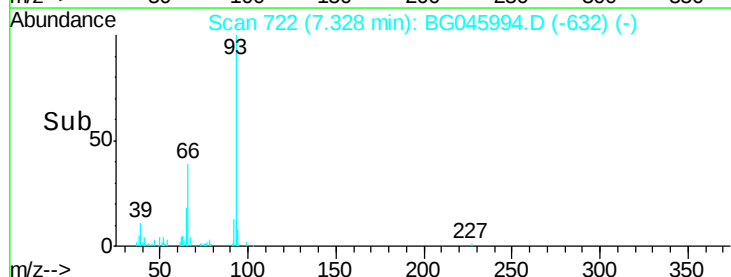
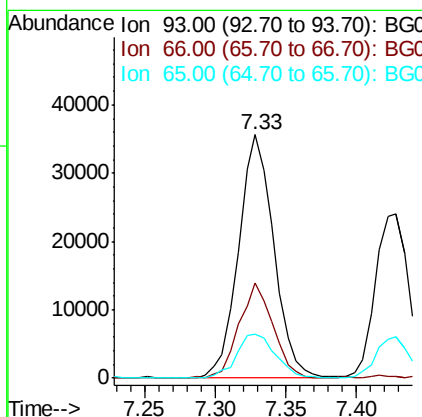
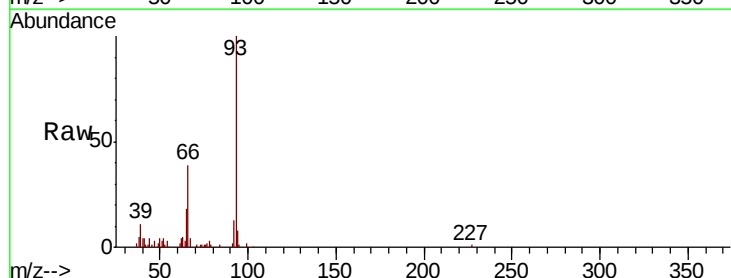
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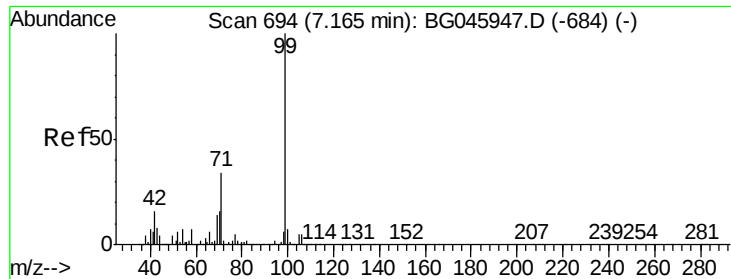
Delta R.T. -0.00 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Tgt Ion:	93	Resp:	62264
Ion	Ratio	Lower	Upper
93	100		
66	39.3	32.3	48.5
65	18.3	16.6	25.0





#7

Phenol-d6

Concen: 132.919 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion: 99 Resp: 1724578

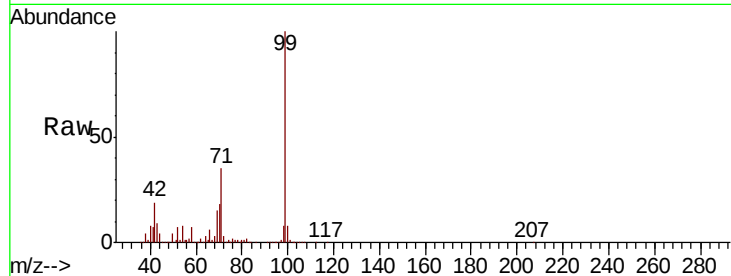
Ion Ratio Lower Upper

99 100

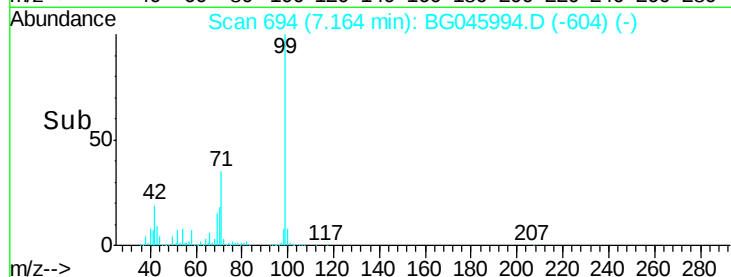
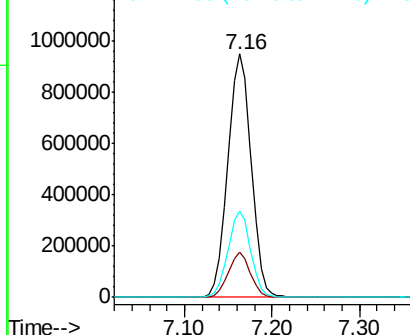
42 18.7 13.0 19.4

71 35.4 27.5 41.3

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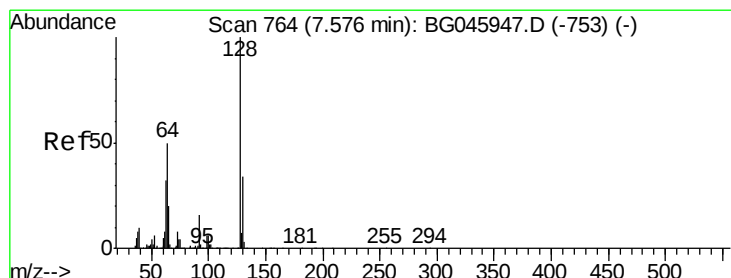


Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



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#8

2-Chlorophenol

Concen: 3.639 ng

RT: 7.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

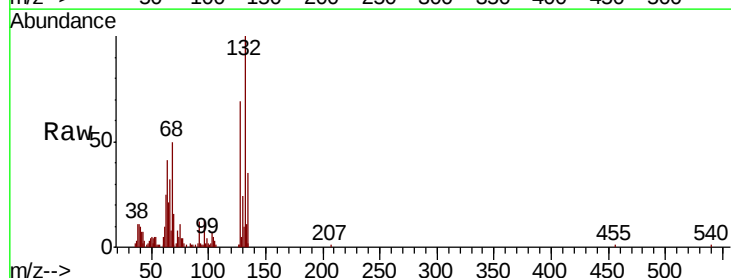
Tgt Ion:128 Resp: 35302

Ion Ratio Lower Upper

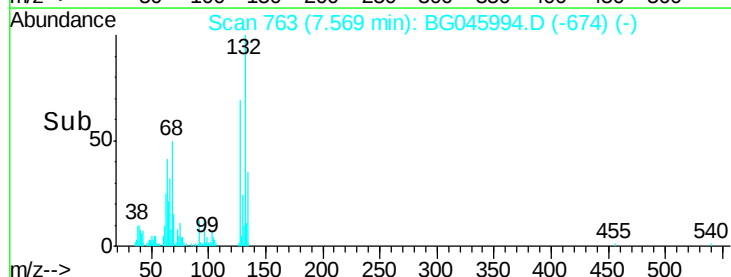
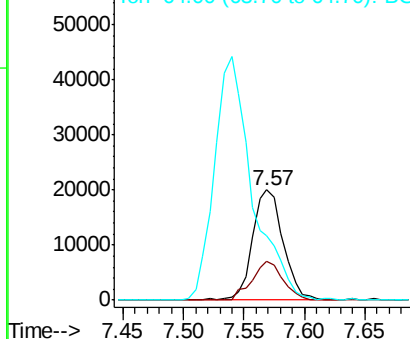
128 100

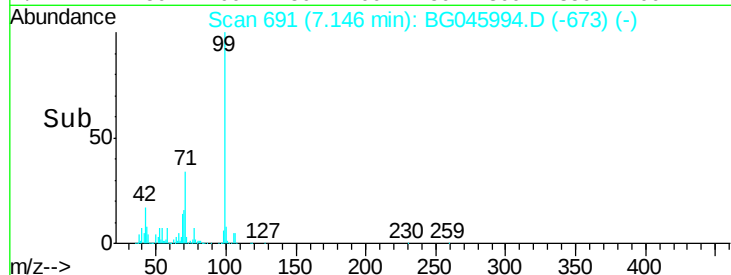
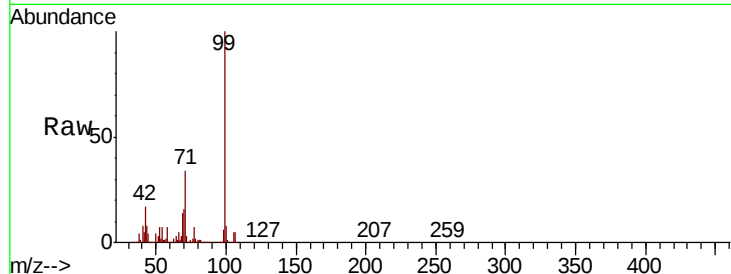
130 34.9 13.6 53.6

64 58.8 30.6 70.6



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyd

Concen: 5.295 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Tot Ion:	77	Resp:	43528
Ion	Ratio	Lower	Upper
77	100		
105	73.1	66.0	106.0
106	77.7	67.7	107.7

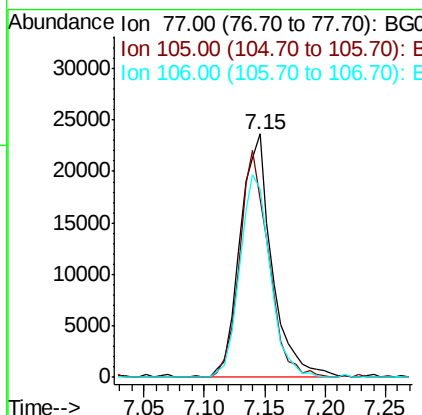
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BNA_G

ClientSampleId :

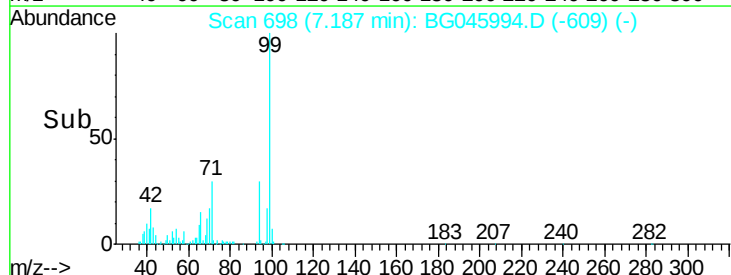
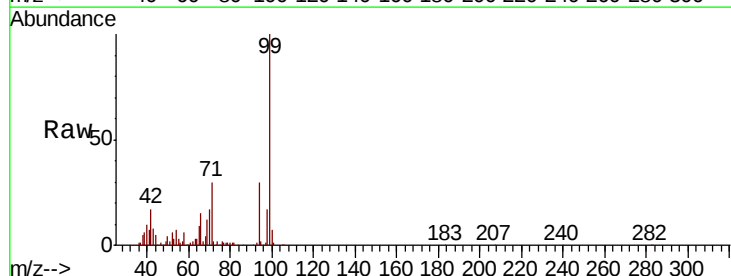
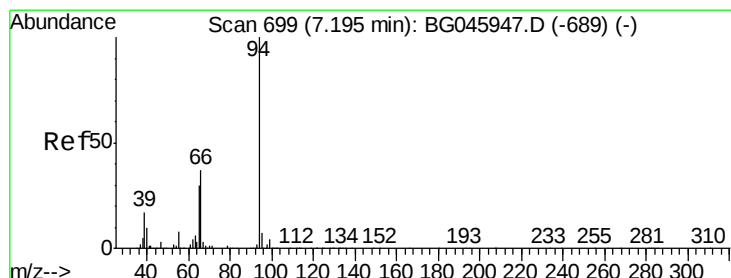
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#10

Phenol

Concen: 3.720 ng

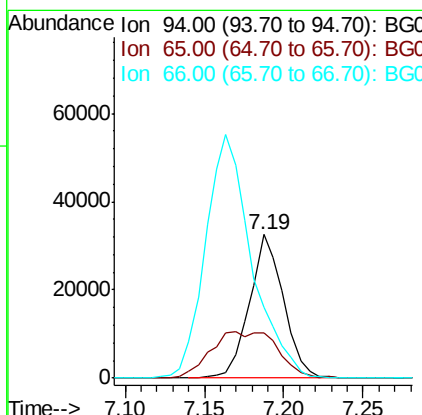
RT: 7.19 min Scan# 698

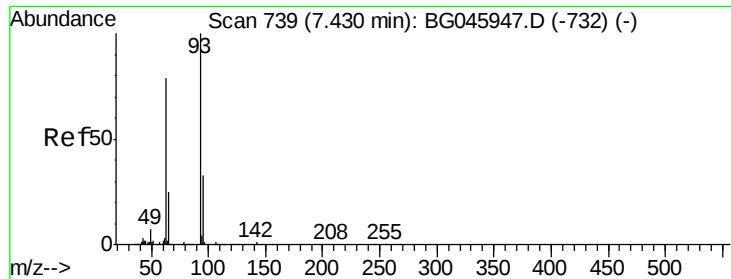
Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Tgt Ion:	94	Resp:	48413
Ion	Ratio	Lower	Upper
94	100		
65	31.3	10.6	50.6
66	49.8	17.1	57.1



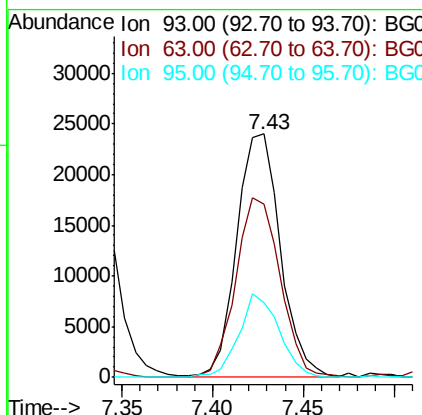
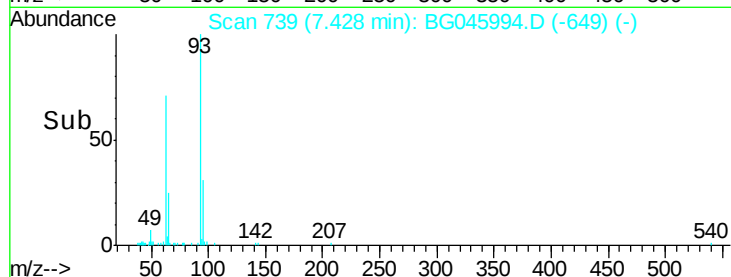
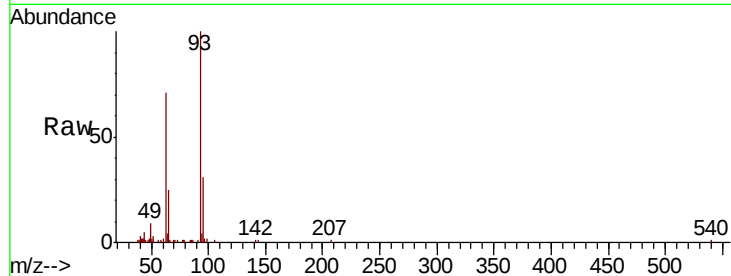


#11
bis(2-Chloroethyl)ether
Concen: 3.745 ng
RT: 7.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

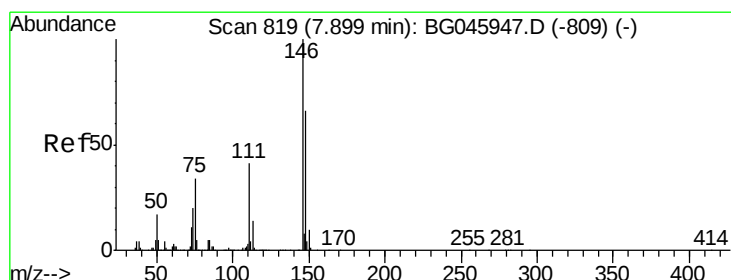
Tot Ion	Ratio	Lower	Upper
93	100		
63	71.2	58.6	98.6
95	30.8	13.3	53.3

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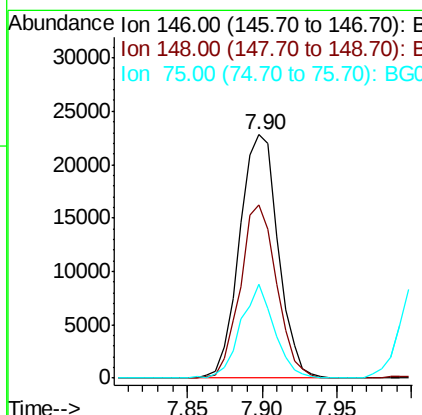
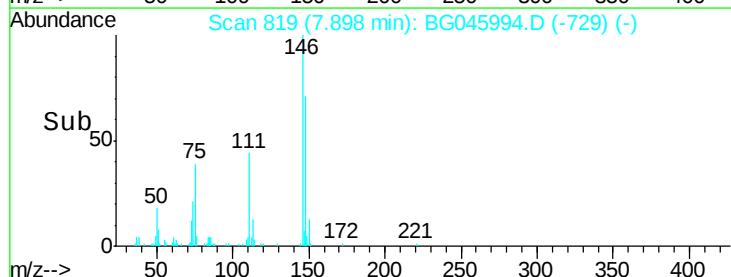
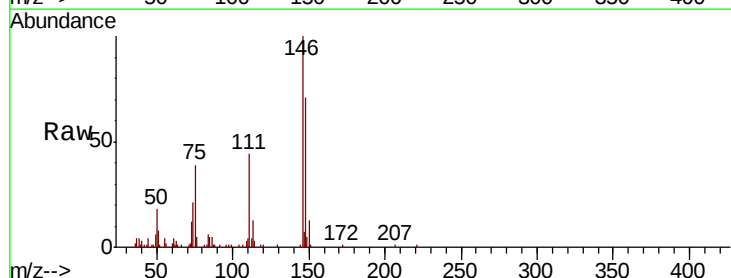
mohammad

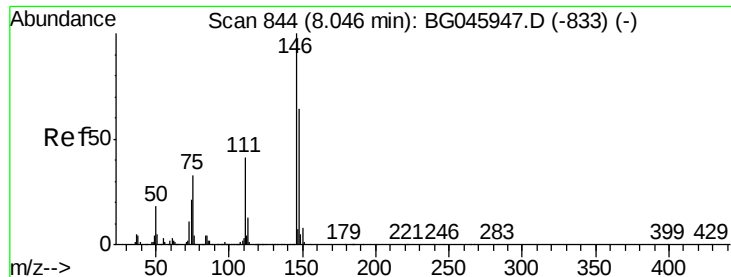
7/10/2020 11:47:08 AM



#12
1,3-Dichlorobenzene
Concen: 3.651 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	70.9	52.8	79.2
75	38.7	27.2	40.8



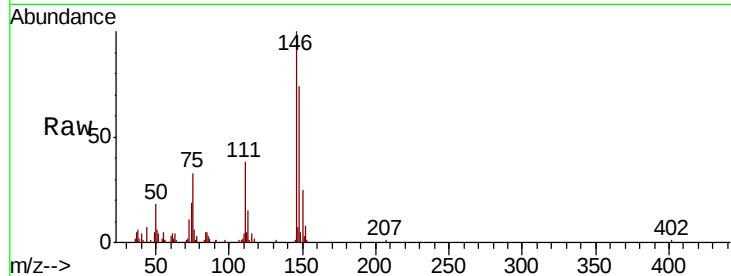


#13
1,4-Dichlorobenzene
Concen: 3.717 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	73.9	51.7	77.5
111	38.0	33.3	49.9

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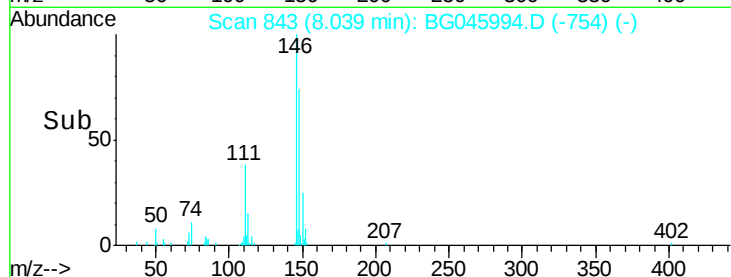
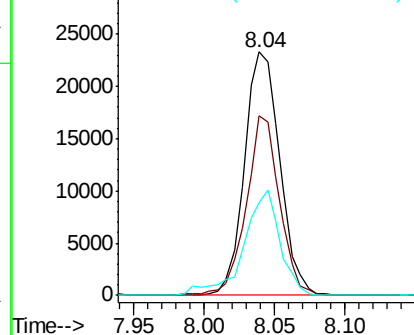


Abundance

Ion 146.00 (145.70 to 146.70): E

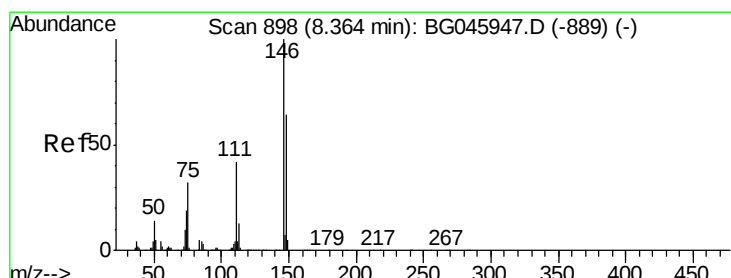
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



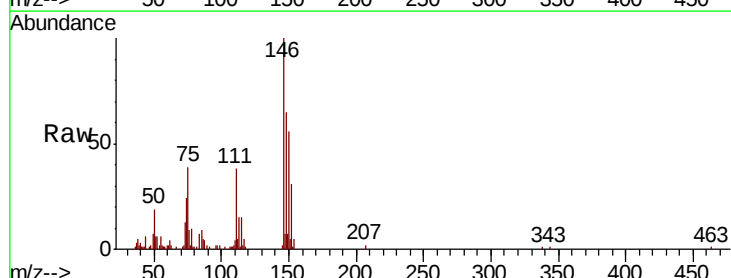
mohammad

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#14
1,2-Dichlorobenzene
Concen: 3.586 ng
RT: 8.36 min Scan# 898
Delta R.T. -0.00 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.6	77.4
111	38.4	34.0	51.0

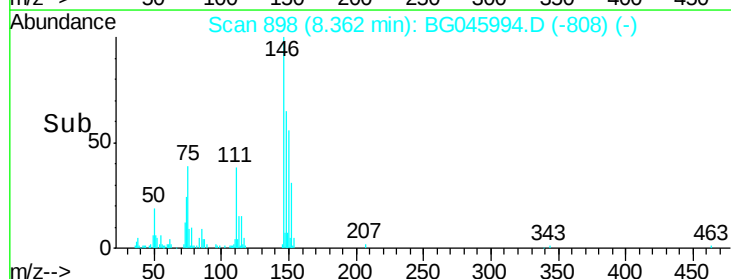
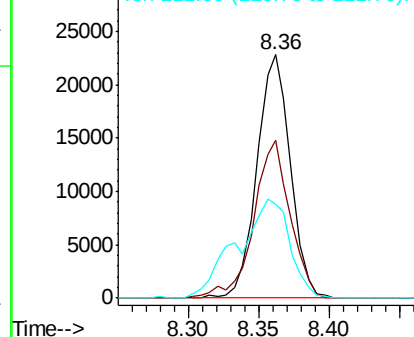


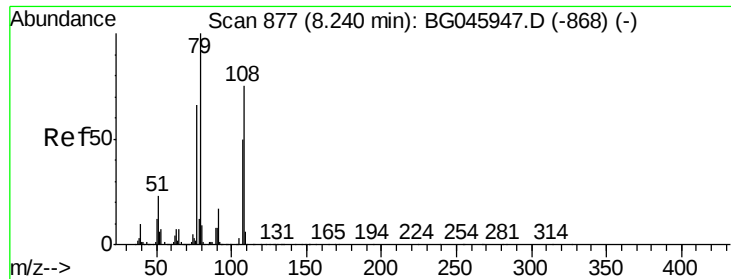
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 3.300 ng

RT: 8.23 min Scan# 876

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

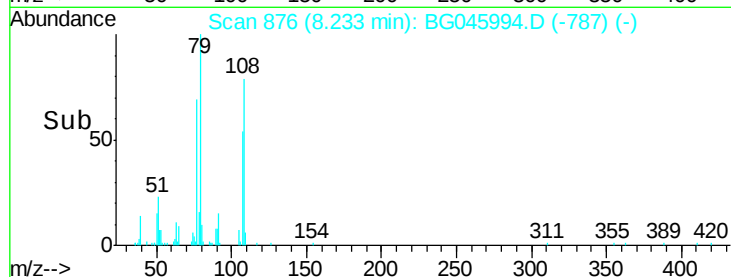
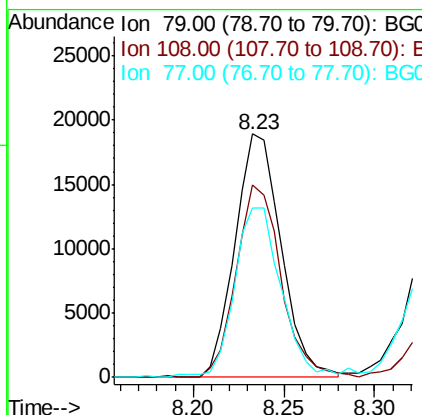
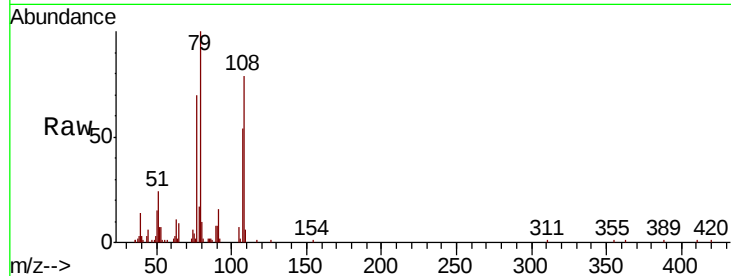
BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

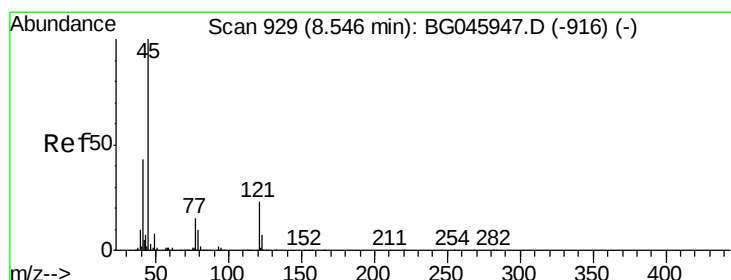
Tot Ion:	79	Resp:	33572
Ion Ratio	Lower	Upper	
79	100		
108	78.9	60.2	90.4
77	69.6	52.9	79.3

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.572 ng

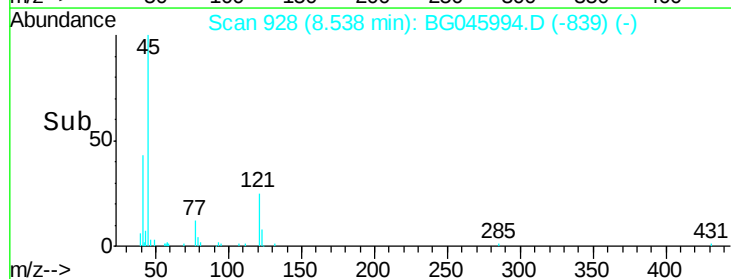
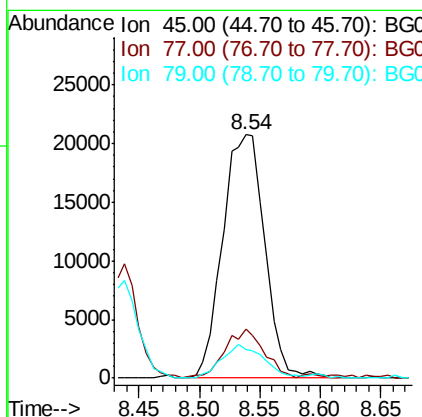
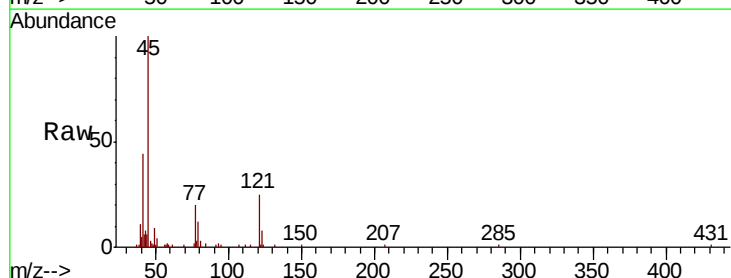
RT: 8.54 min Scan# 928

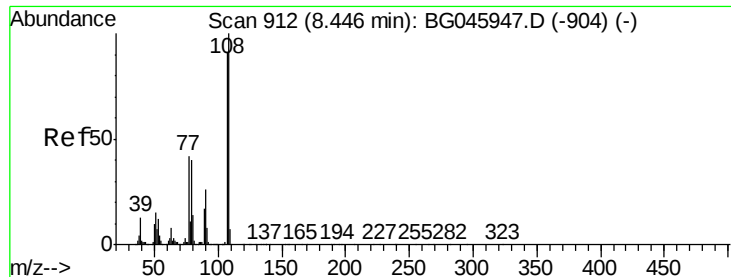
Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Tgt Ion:	45	Resp:	50161
Ion Ratio	Lower	Upper	
45	100		
77	20.2	0.0	37.6
79	11.5	0.0	32.6



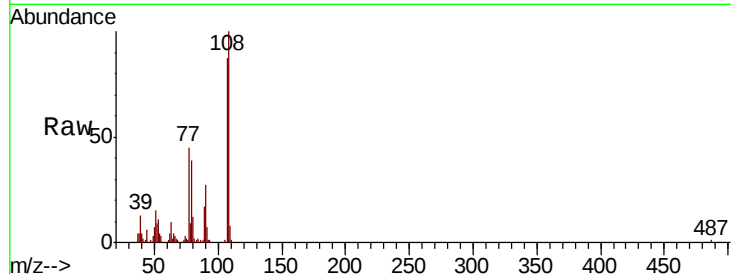


#17
2-Methylphenol
Concen: 3.244 ng
RT: 8.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.4	88.2	132.4	
77	51.8	37.0	55.4	
79	44.4	35.4	53.0	

Manual Integrations
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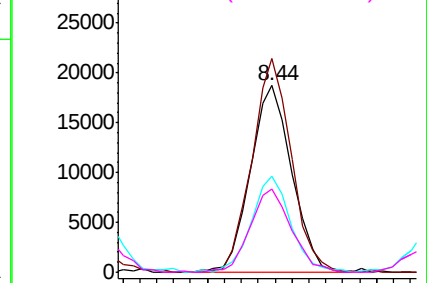
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

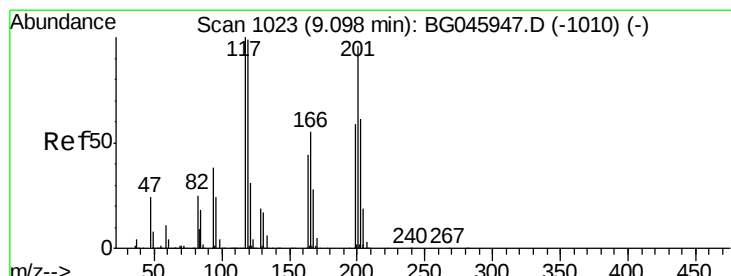
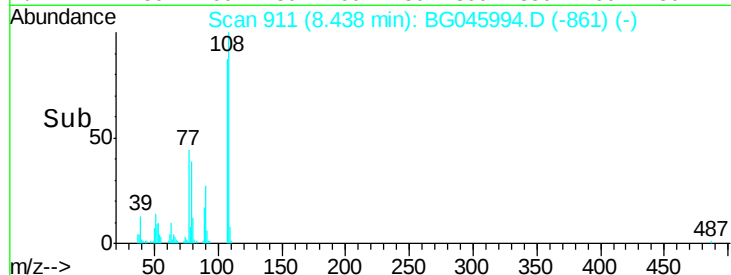
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



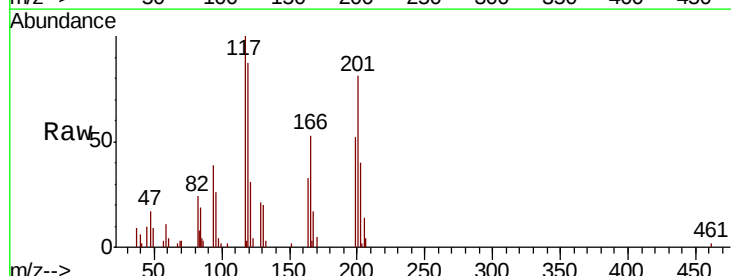
mohammad

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#18
Hexachloroethane
Concen: 3.739 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	87.3	79.5	119.3	
201	80.5	77.0	115.4	

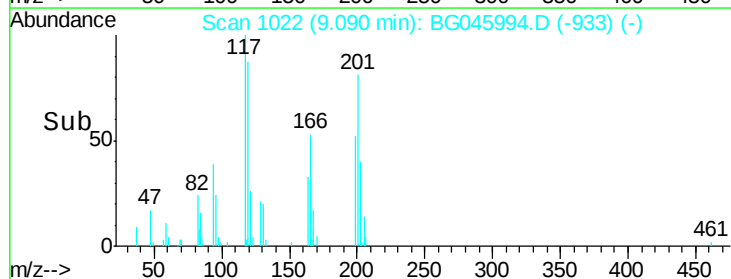
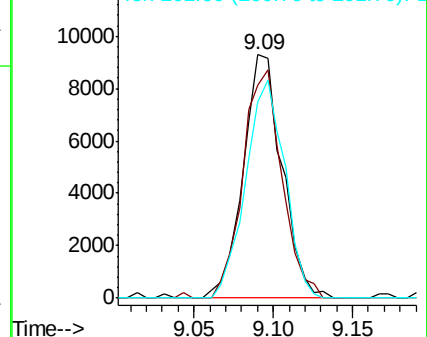


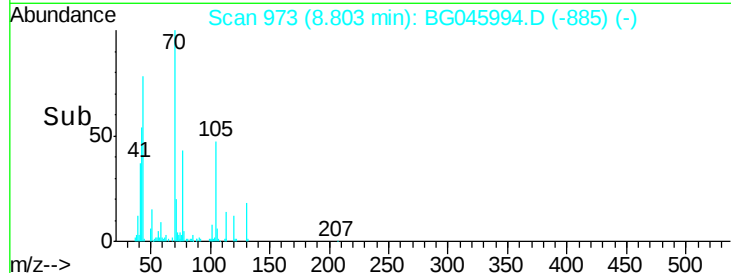
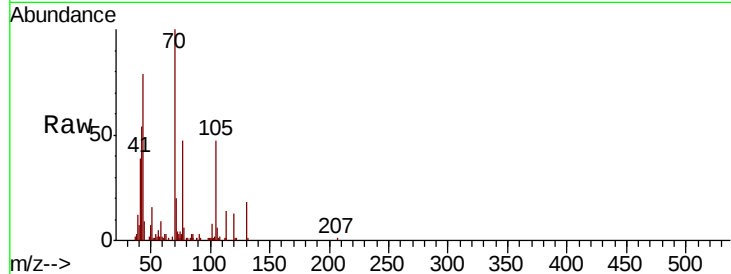
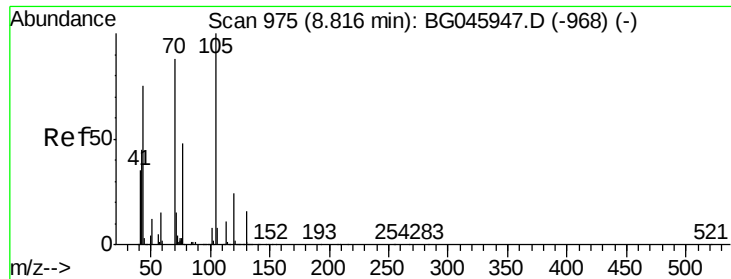
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

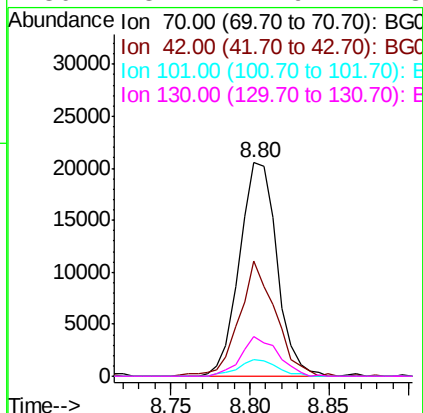
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 3.705 ng
RT: 8.80 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	53.9	41.4	62.0		
101	7.8	7.1	10.7		
130	18.4	14.9	22.3		

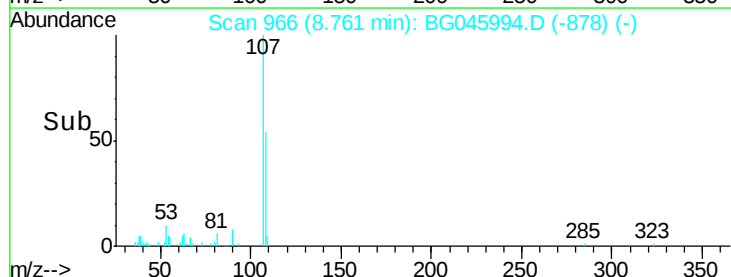
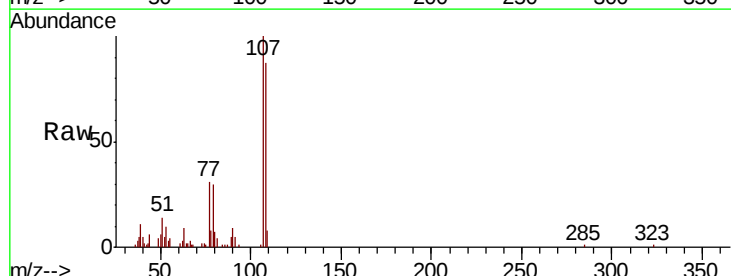
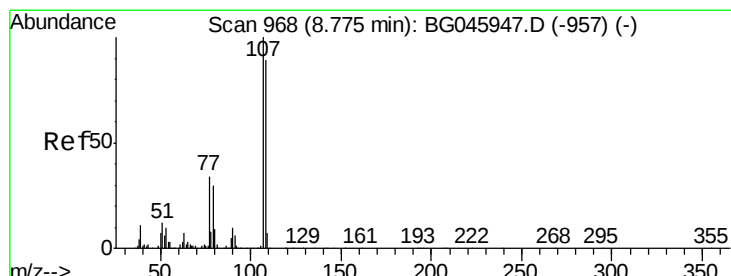


Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

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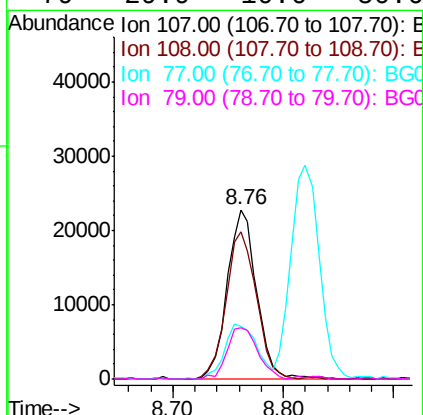
mohammad

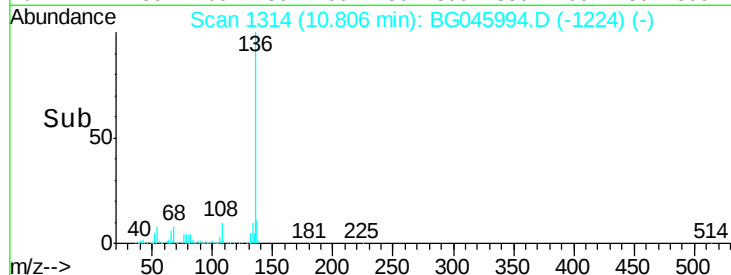
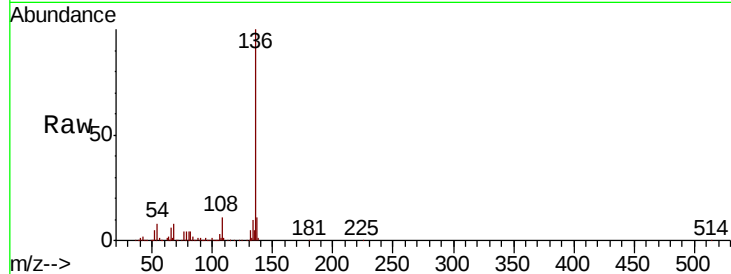
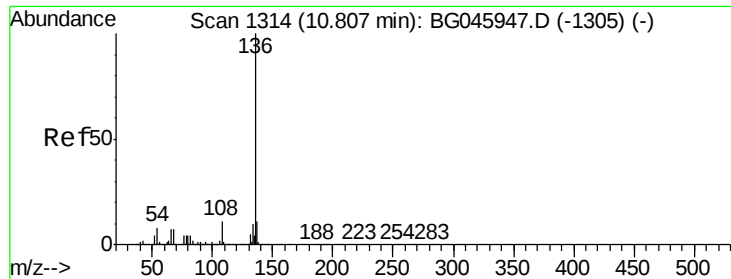
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#20
3+4-Methylphenols
Concen: 3.193 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

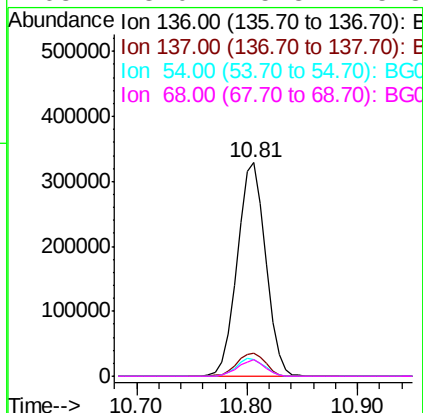
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	86.7	68.7	108.7		
77	31.0	14.6	54.6		
79	29.9	10.6	50.6		





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7		9.2	13.8
54	7.8		6.2	9.4
68	8.0		5.8	8.8

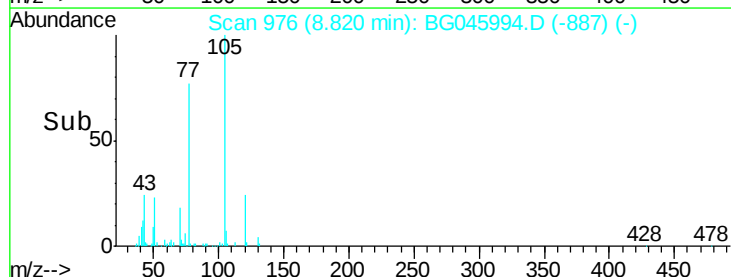
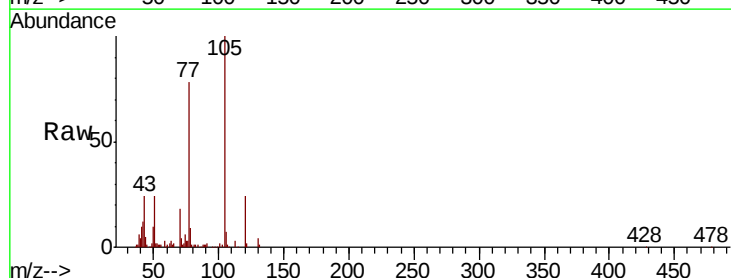
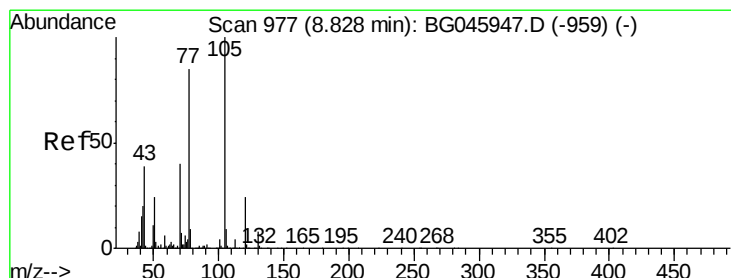


Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

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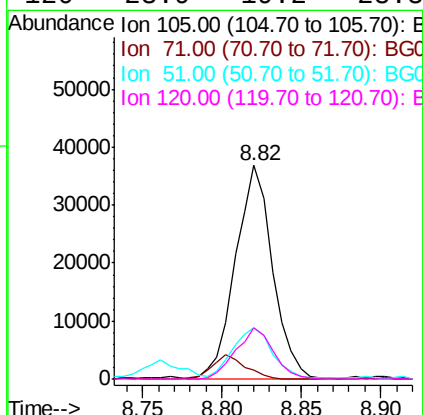
mohammad

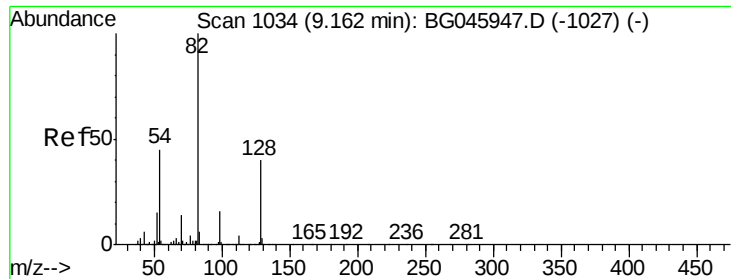
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#22
Acetophenone
Concen: 3.767 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	4.2		6.2	9.2#
51	23.9		19.7	29.5
120	23.9		19.2	28.8



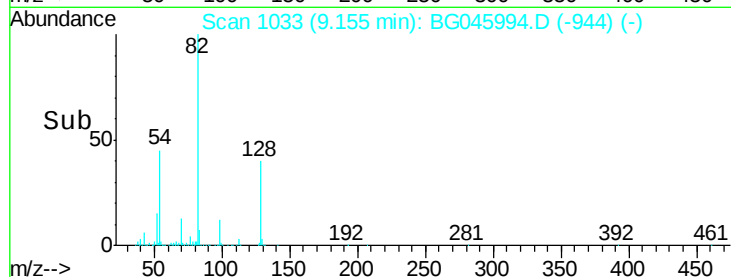
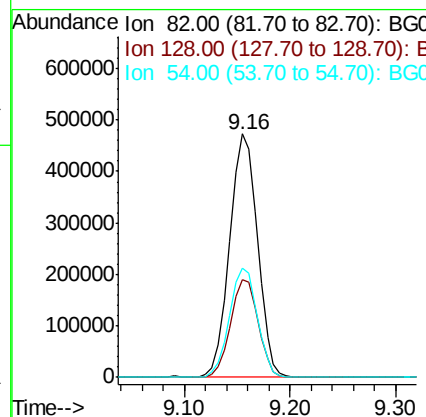
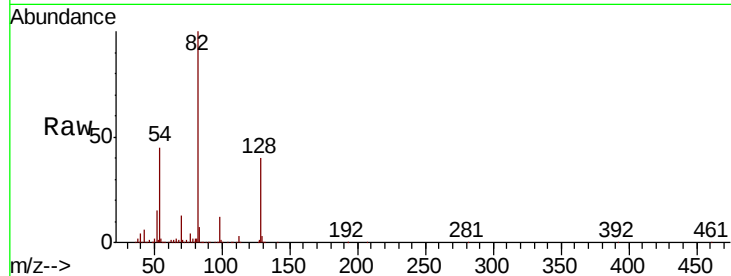


#23
Nitrobenzene-d5
Concen: 83.035 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

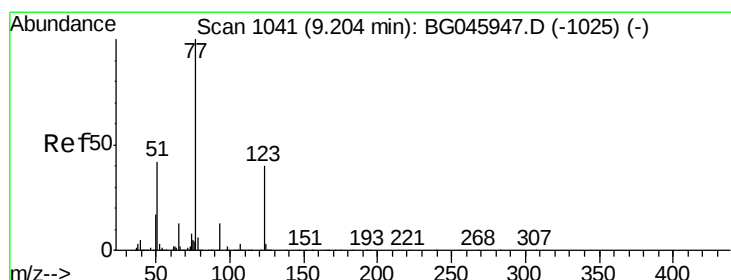
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.0	32.2	48.4
54	45.0	35.8	53.6

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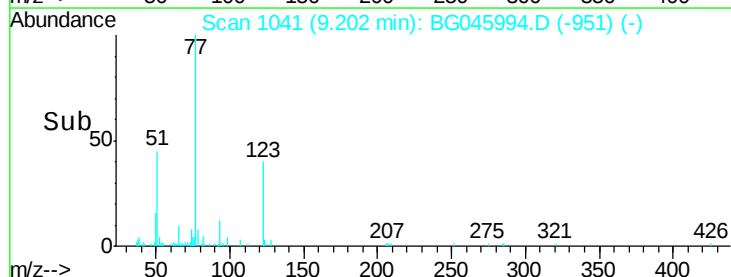
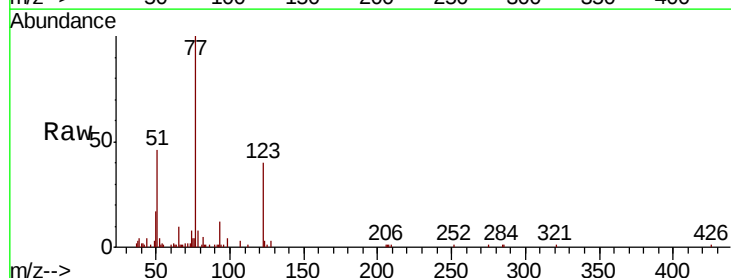
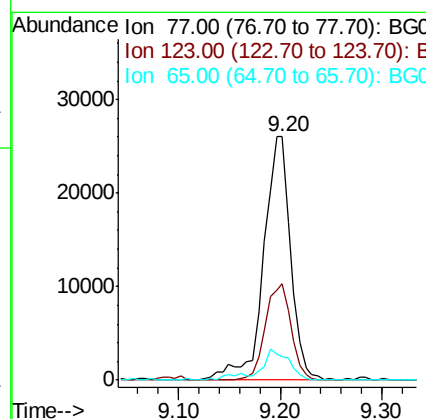
mohammad

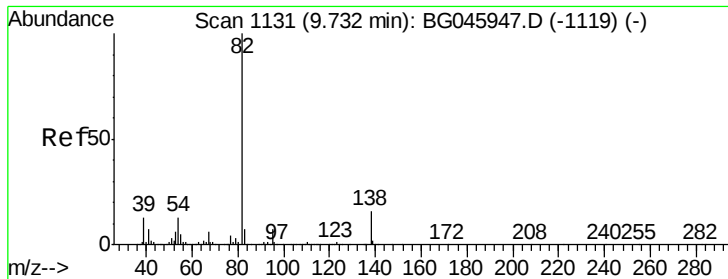
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#24
Nitrobenzene
Concen: 4.261 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
77	100		
123	39.7	32.7	49.1
65	9.9	10.2	15.4#





#25

Isophorone

Concen: 3.440 ng

RT: 9.72 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

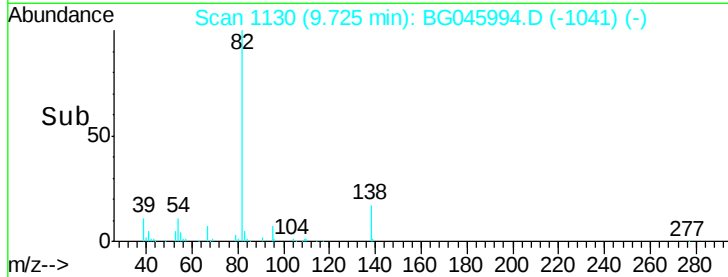
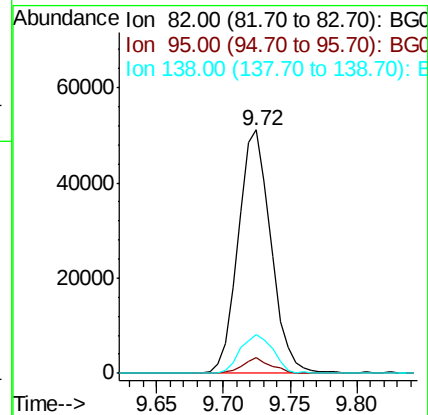
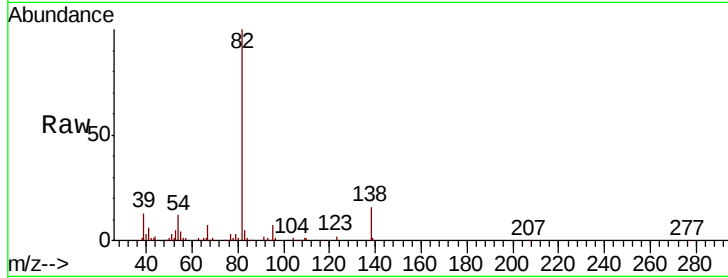
BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

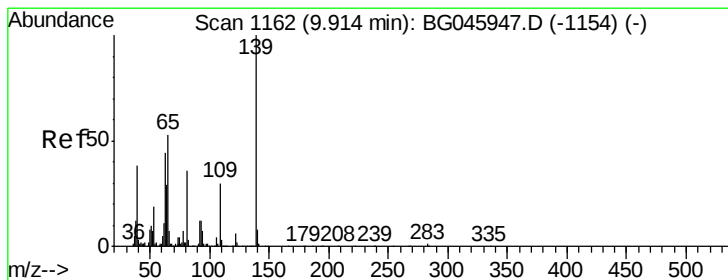
Tot Ion:	82	Resp:	86799
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.8	8.6
138	16.2	12.9	19.3

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#26

2-Nitrophenol

Concen: 3.472 ng

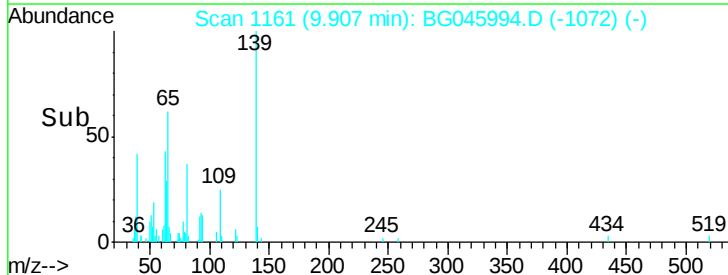
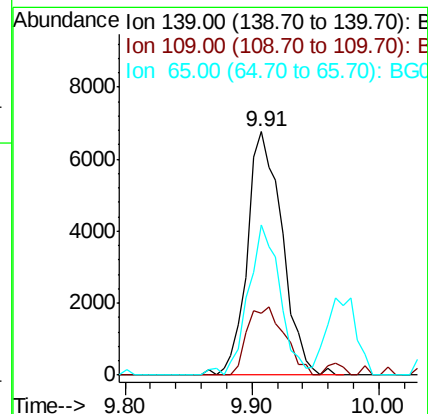
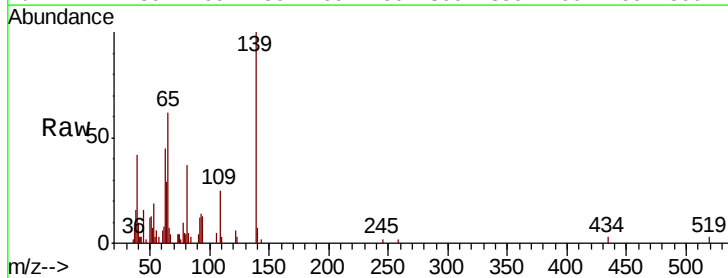
RT: 9.91 min Scan# 1161

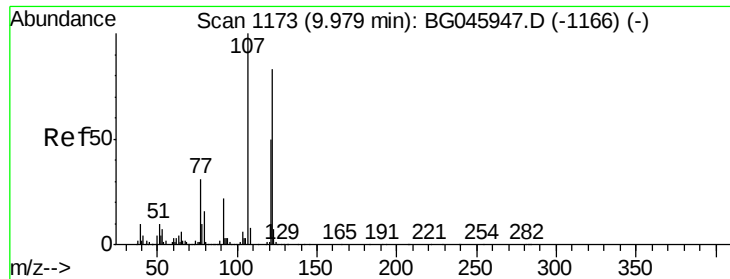
Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Tgt Ion:	139	Resp:	12909
Ion Ratio	Lower	Upper	
139	100		
109	25.4	24.6	37.0
65	61.6	42.6	64.0



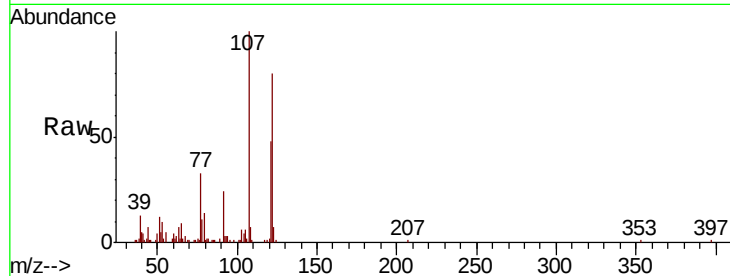


#27
 2,4-Dimethylphenol
 Concen: 3.487 ng
 RT: 9.97 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	124.4	95.6	143.4
121	59.3	47.7	71.5

Manual Integrations
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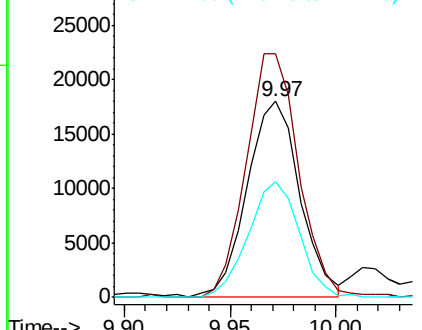


Abundance

Ion 122.00 (121.70 to 122.70): E

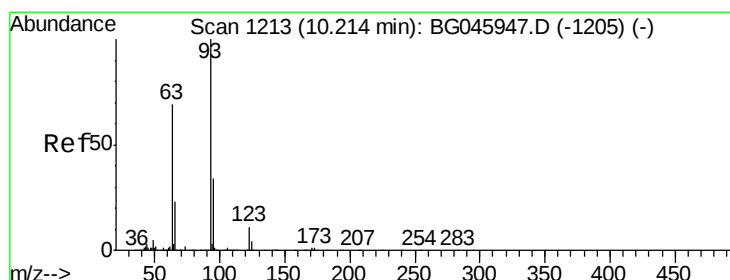
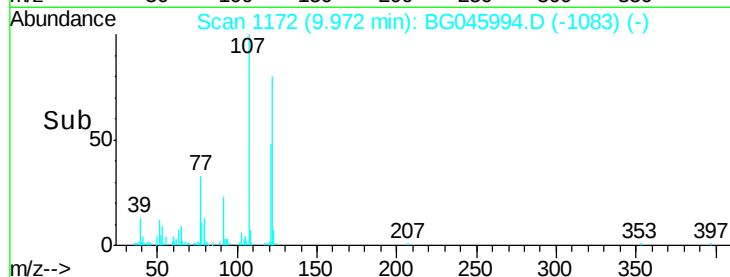
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



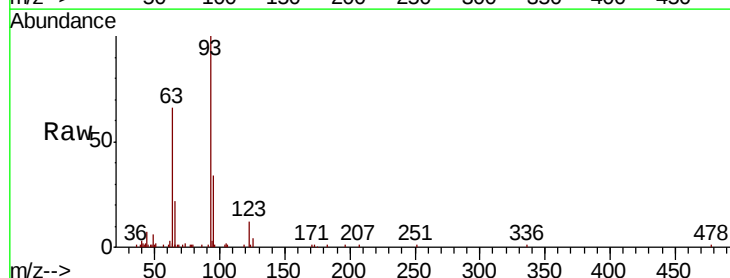
mohammad

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#28
 bis(2-Chloroethoxy)methane
 Concen: 3.655 ng
 RT: 10.21 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	34.0	27.5	41.3
123	11.5	9.2	13.8

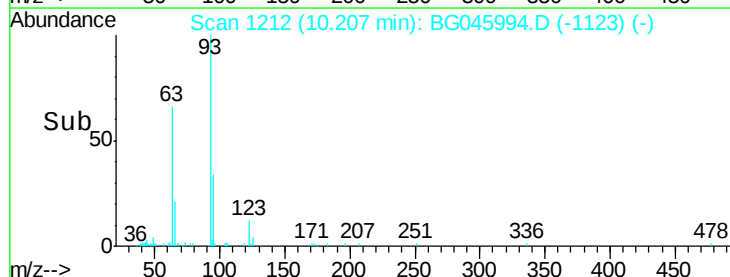
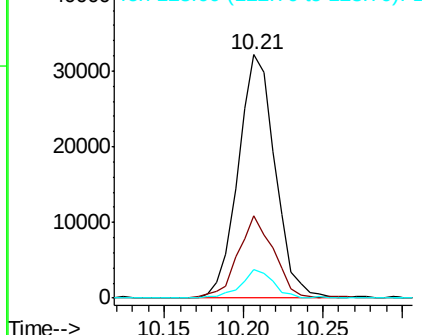


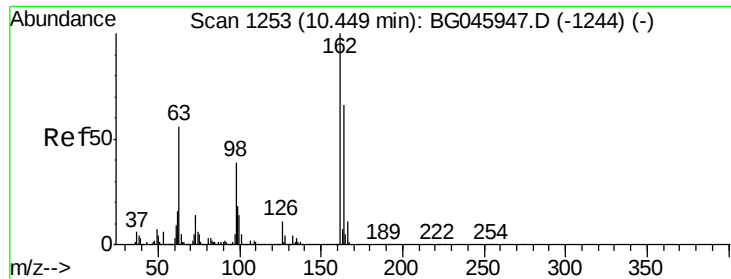
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): BGC



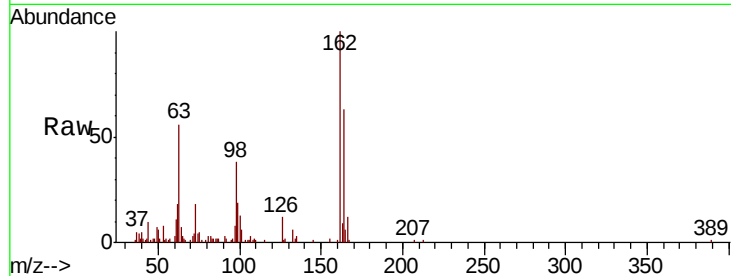


#29
 2,4-Dichlorophenol
 Concen: 3.066 ng
 RT: 10.44 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion:	162	Resp:	28505
Ion Ratio	Lower	Upper	
162	100		
164	63.4	46.0	86.0
98	38.4	19.2	59.2

Manual Integrations
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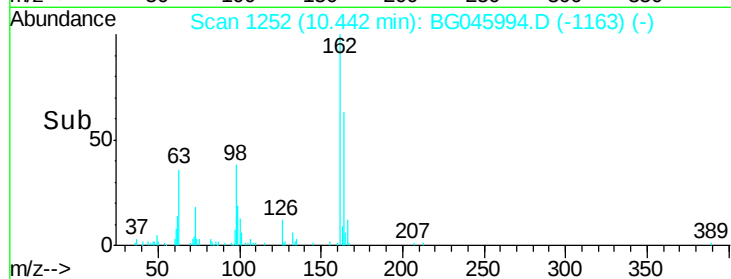
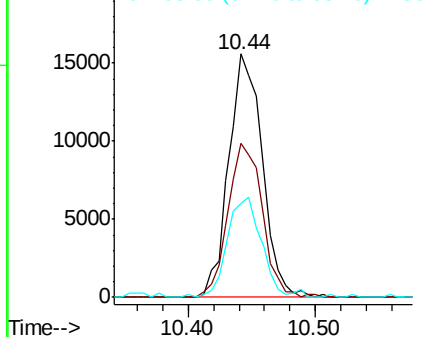


Abundance

Ion 162.00 (161.70 to 162.70): E

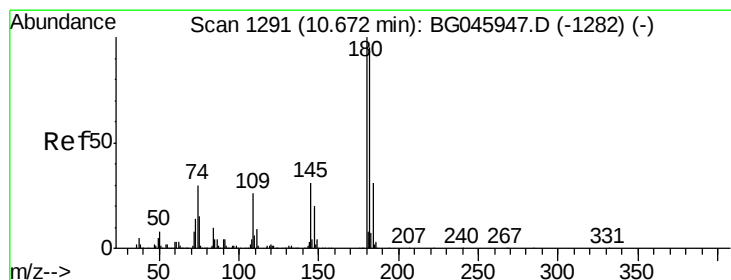
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



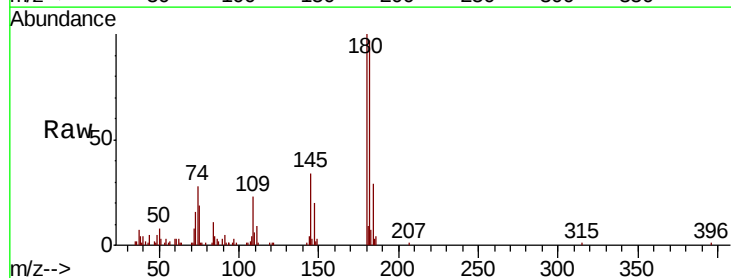
mohammad

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#30
 1,2,4-Trichlorobenzene
 Concen: 3.372 ng
 RT: 10.66 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Tgt Ion:	180	Resp:	34729
Ion Ratio	Lower	Upper	
180	100		
182	96.7	76.3	114.5
145	33.8	24.8	37.2

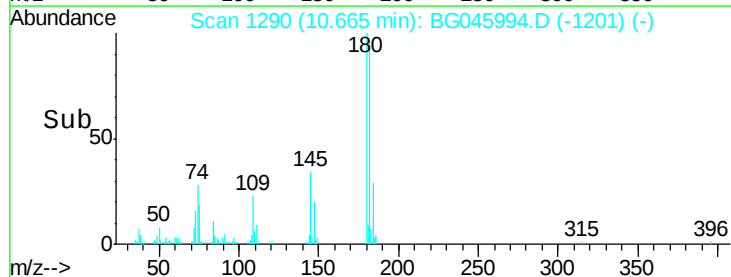
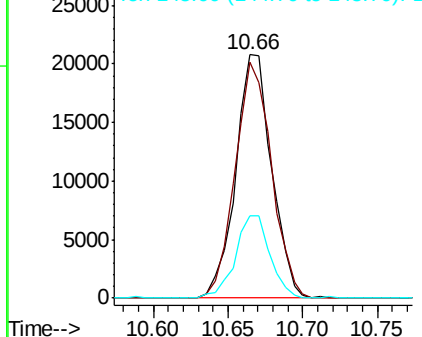


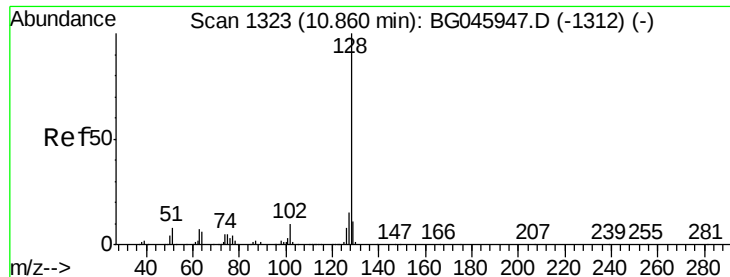
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E



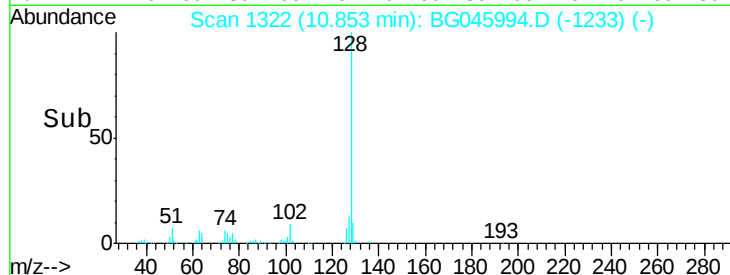
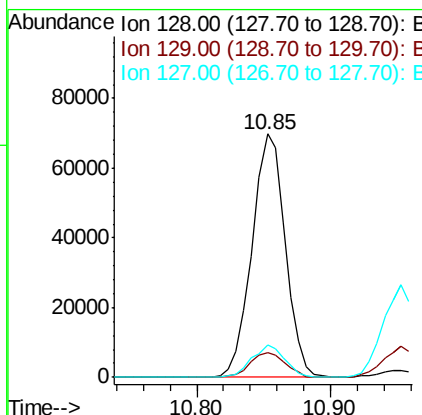
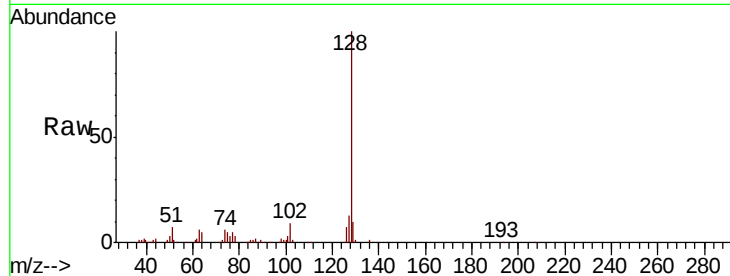


#31
Naphthalene
Concen: 3.763 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

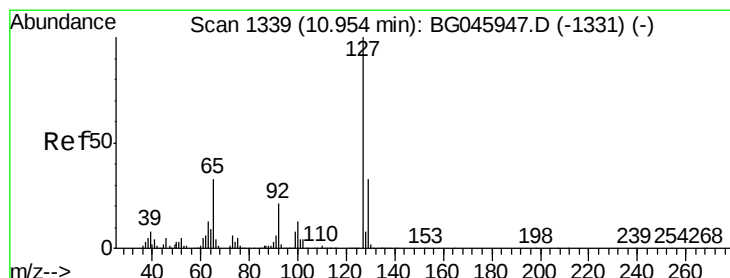
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.2	9.2	13.8
127	13.1	11.8	17.6

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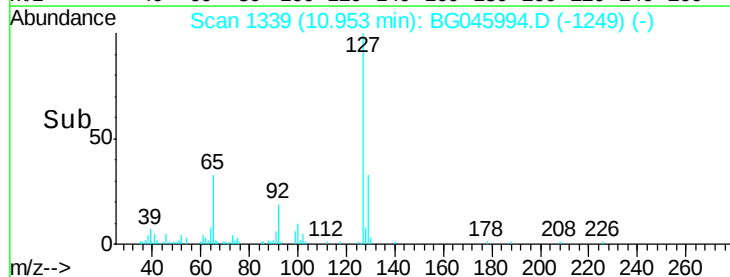
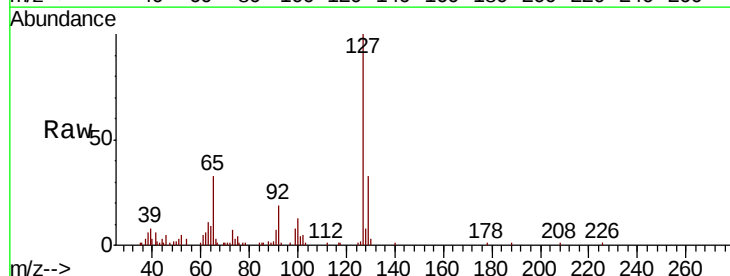
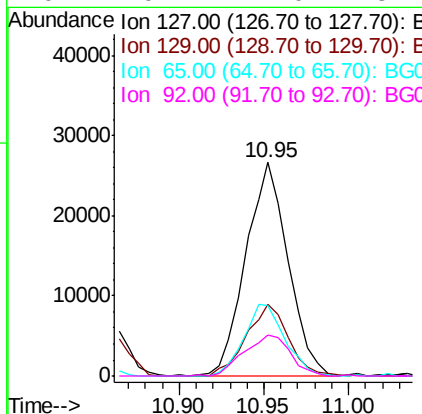
mohammad

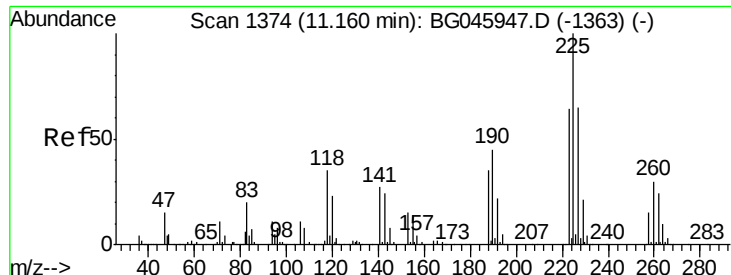
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#33
4-Chloroaniline
Concen: 3.256 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.4	26.6	39.8
65	32.9	26.8	40.2
92	19.1	17.0	25.4



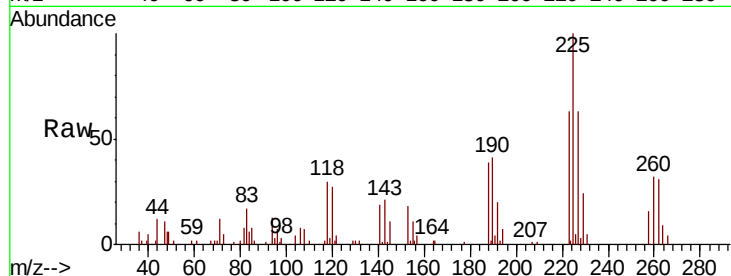


#34
Hexachlorobutadiene
Concen: 3.202 ng
RT: 11.16 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.2	76.8
227	62.5	52.3	78.5

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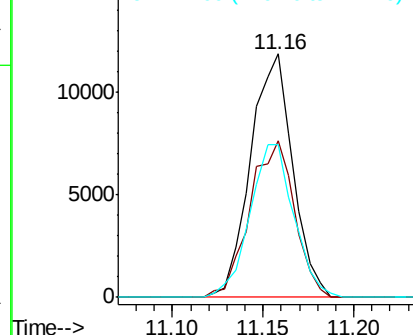


Abundance

Ion 225.00 (224.70 to 225.70): E

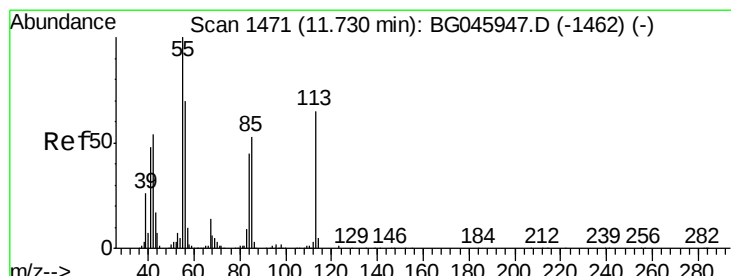
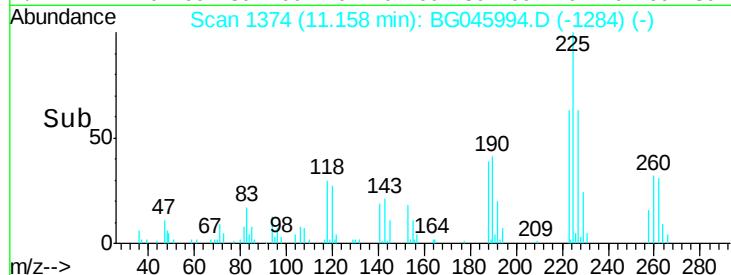
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



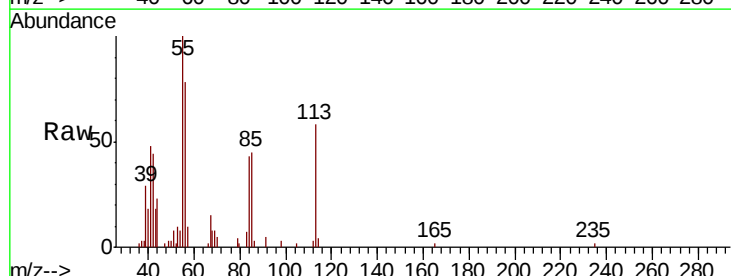
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#35
Caprolactam
Concen: 2.948 ng
RT: 11.69 min Scan# 1464
Delta R.T. -0.04 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
113	100		
55	172.0	141.6	181.6
56	134.3	89.6	129.6

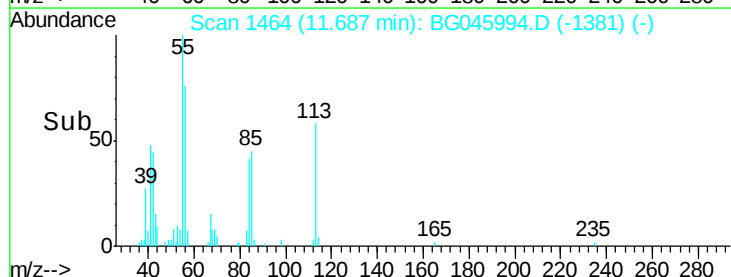
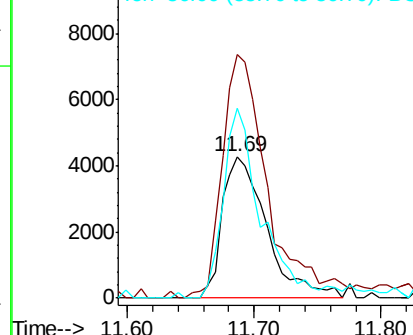


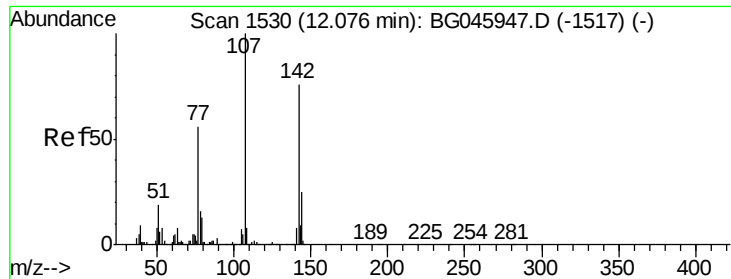
Abundance

Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



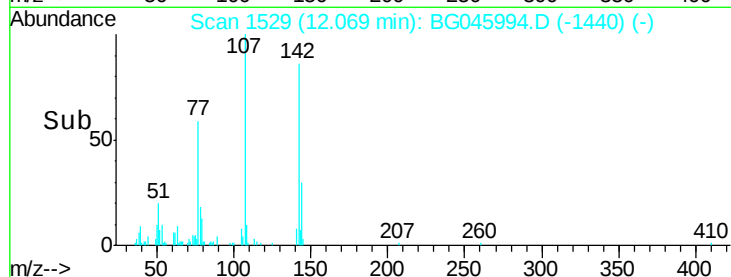
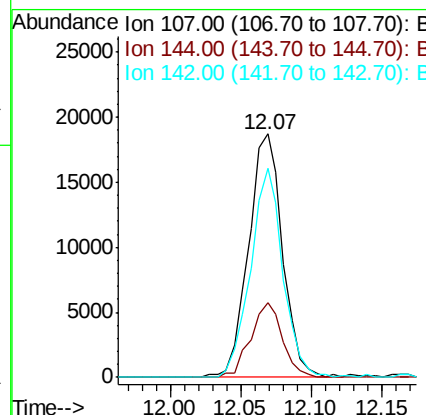
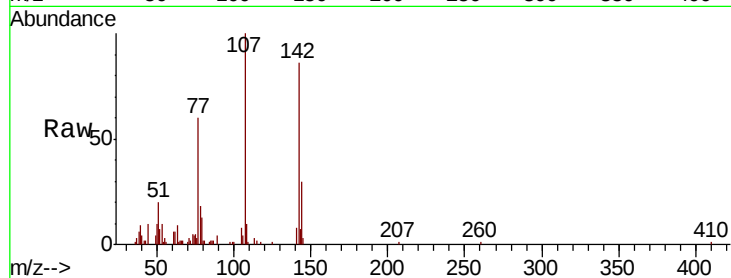


#36
4-Chloro-3-methylphenol
Concen: 2.975 ng
RT: 12.07 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

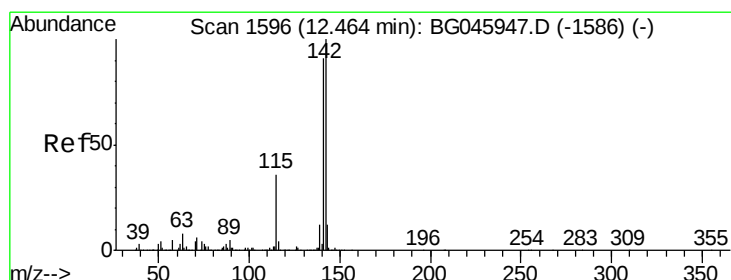
Tot Ion	Ratio	Lower	Upper
107	100		
144	30.5	20.0	30.0#
142	85.8	61.1	91.7

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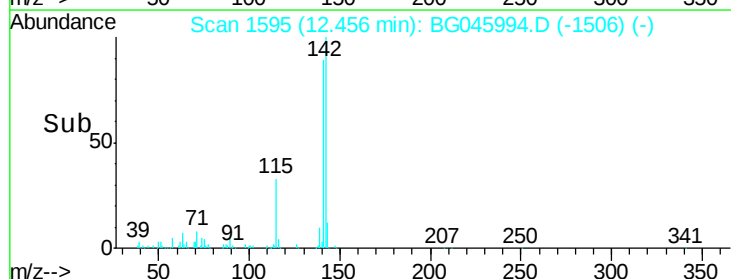
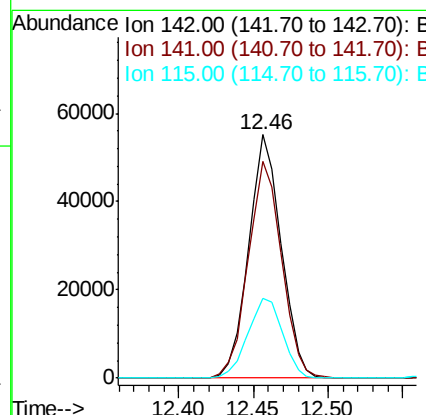
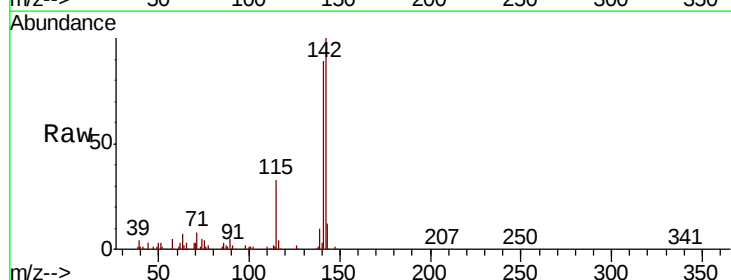
mohammad

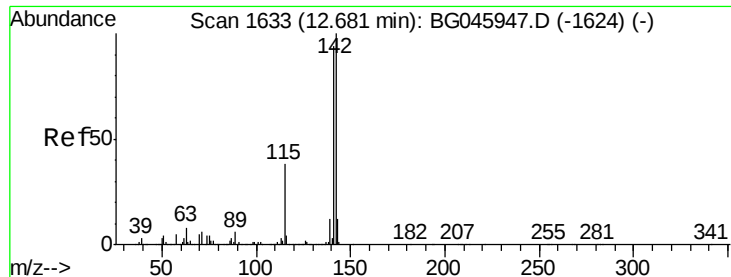
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#37
2-Methylnaphthalene
Concen: 3.664 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	73.0	109.6
115	32.9	28.8	43.2



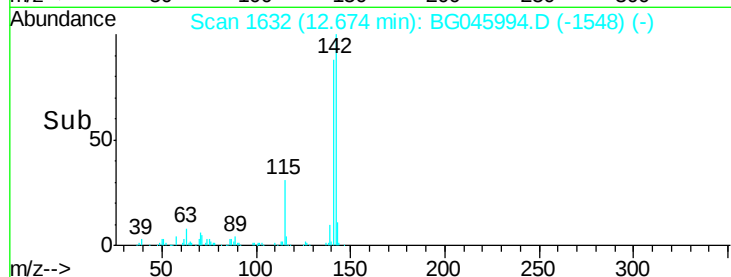
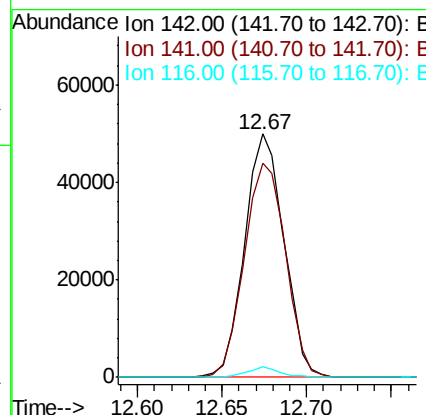
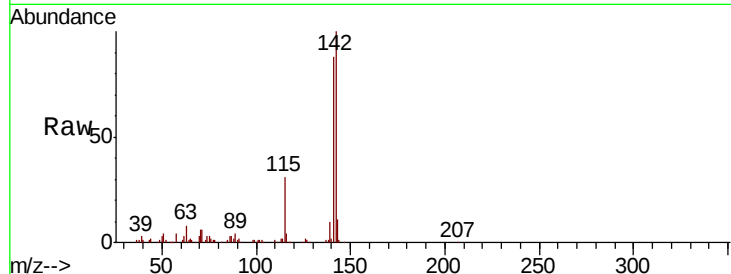


#38
1-Methylnaphthalene
Concen: 3.774 ng
RT: 12.67 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

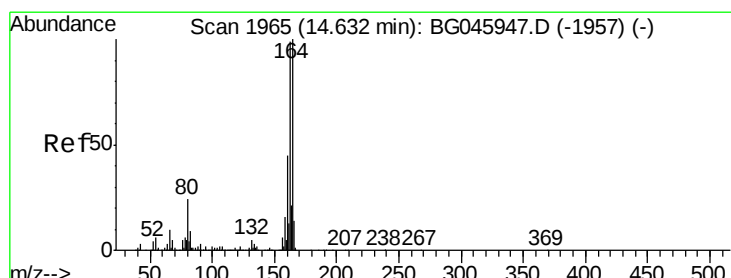
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	75.2	112.8
116	4.3	3.1	4.7

Manual Integrations
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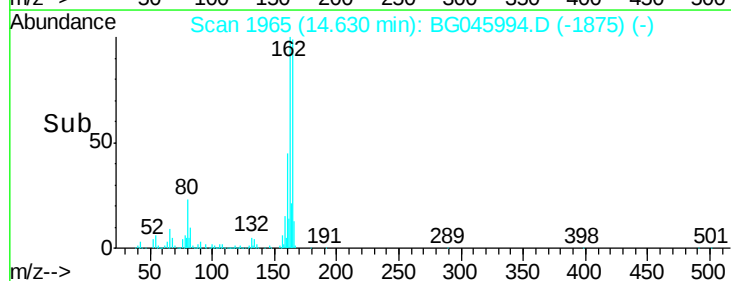
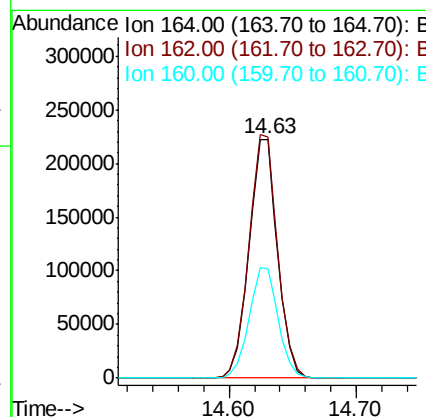
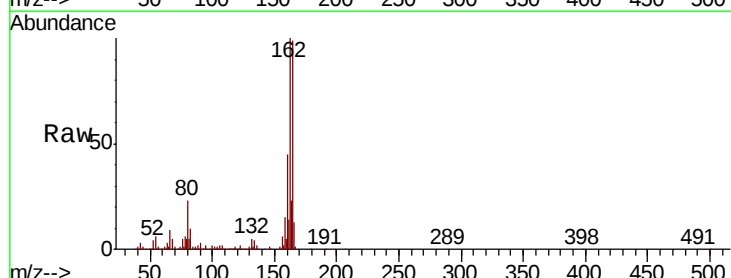
mohammad

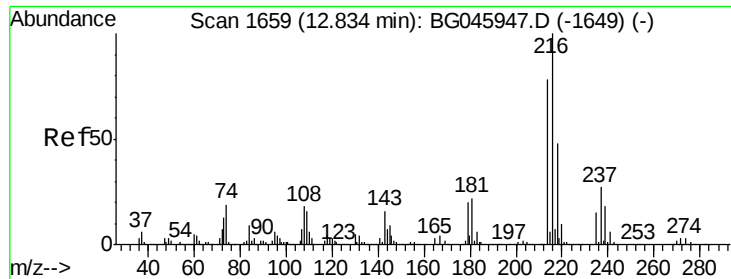
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	79.3	118.9
160	45.5	35.7	53.5



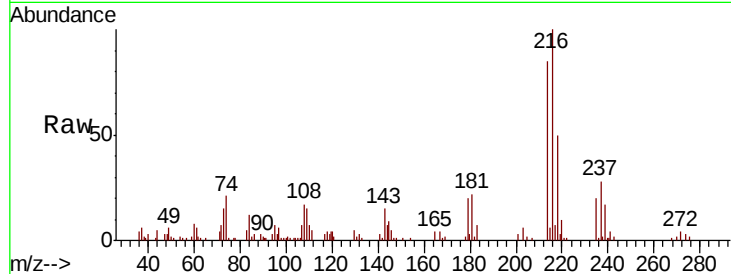


#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 3.836 ng
 RT: 12.83 min Scan# 1658
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

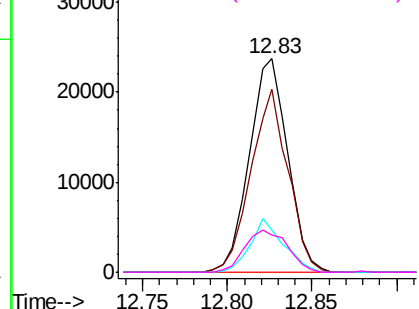
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100				
214	83.1		63.0	94.4	
179	22.0		17.0	25.6	
108	21.9		17.3	25.9	

Manual Integrations
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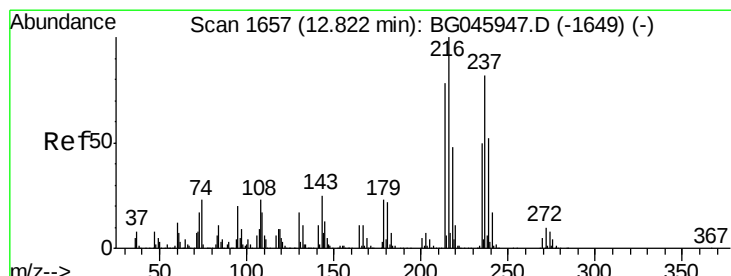
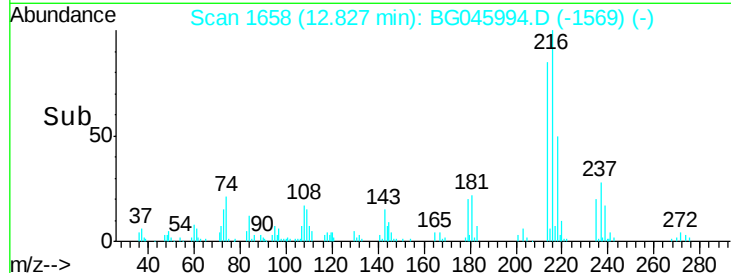


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E



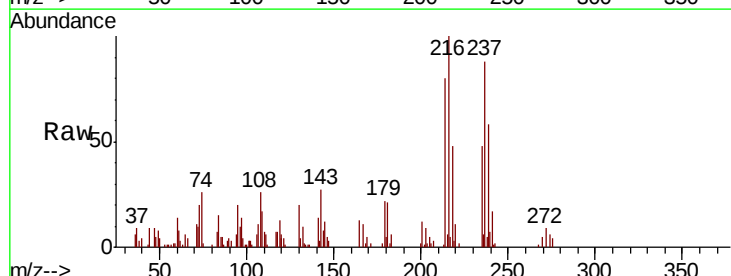
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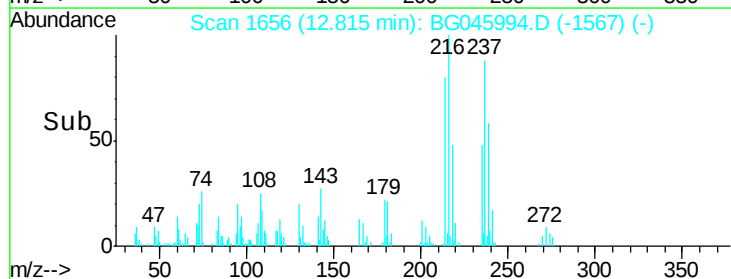
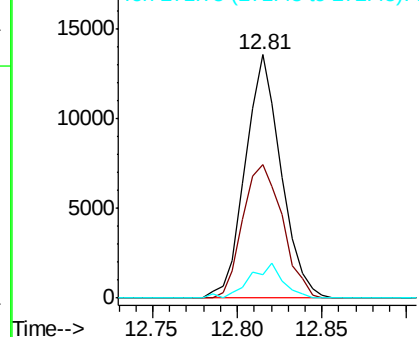


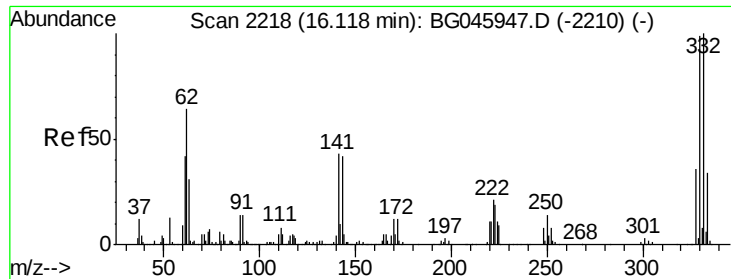
#41
 Hexachlorocyclopentadiene
 Concen: 3.433 ng
 RT: 12.81 min Scan# 1656
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100				
235	54.9		41.5	81.5	
272	9.7		0.0	31.7	



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





#42

2,4,6-Tribromophenol

Concen: 144.246 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

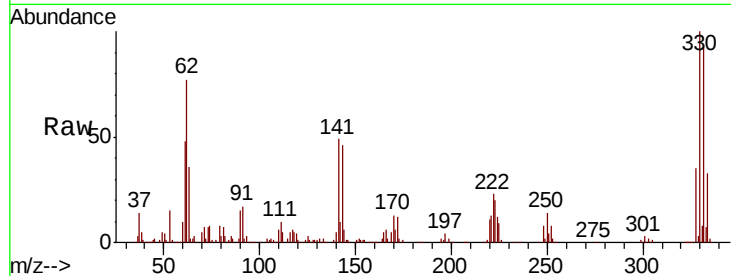
BNA_G

ClientSampleId :

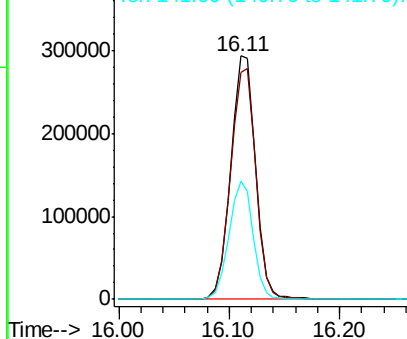
MDL-SOIL-03-QT3-2020

Tot Ion:	330	Resp:	463505
Ion Ratio	Lower	Upper	
330	100		
332	96.4	78.3	117.5
141	47.4	36.6	54.8

Manual Integrations
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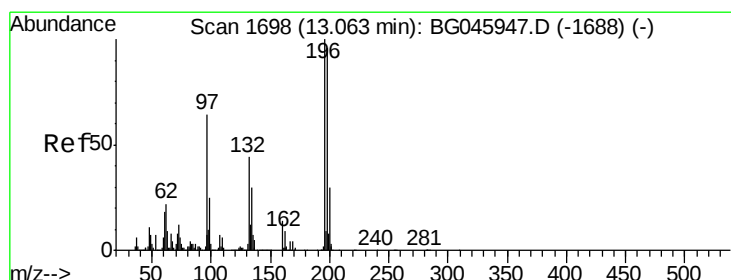
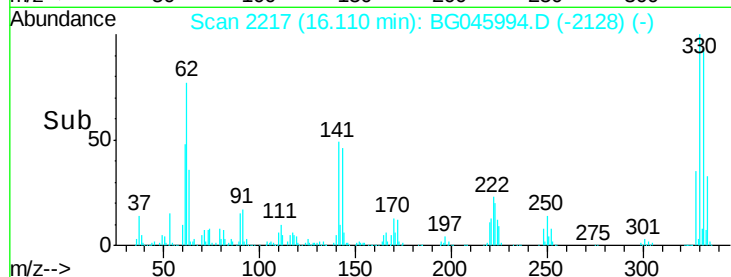


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



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#43

2,4,6-Trichlorophenol

Concen: 3.092 ng

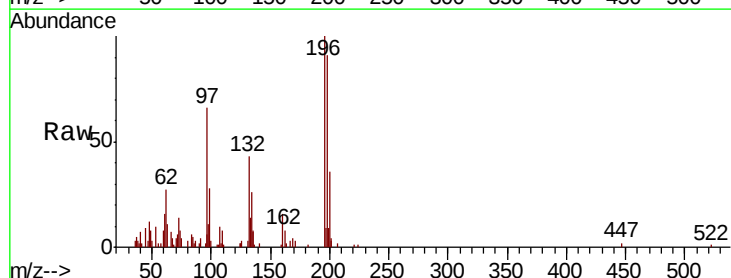
RT: 13.06 min Scan# 1697

Delta R.T. -0.01 min

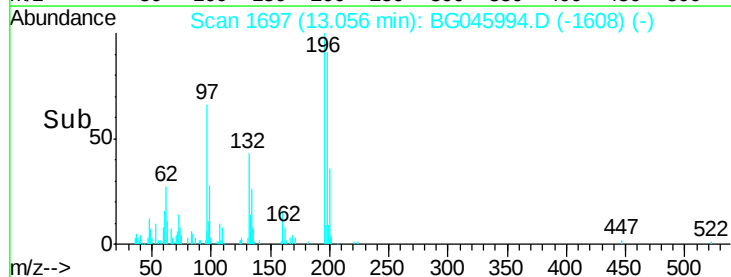
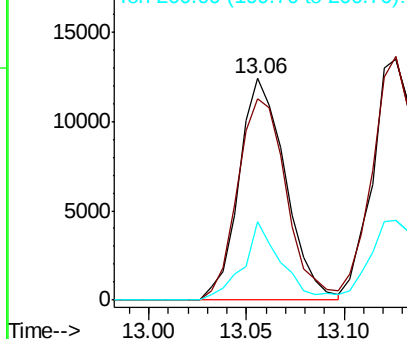
Lab File: BG045994.D

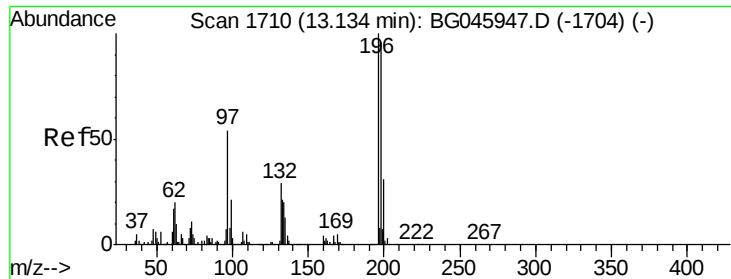
Acq: 9 Jul 2020 14:35

Tgt Ion:	196	Resp:	20406
Ion Ratio	Lower	Upper	
196	100		
198	90.8	76.7	115.1
200	35.5	24.3	36.5



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E



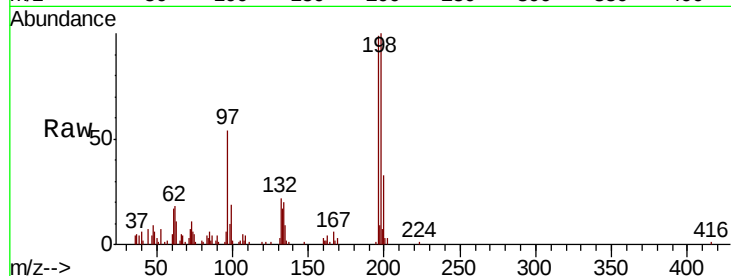


#44
2,4,5-Trichlorophenol
Concen: 2.985 ng
RT: 13.13 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
196	100		
198	101.1	77.0	115.6
97	54.2	44.3	66.5
132	22.7	23.1	34.7

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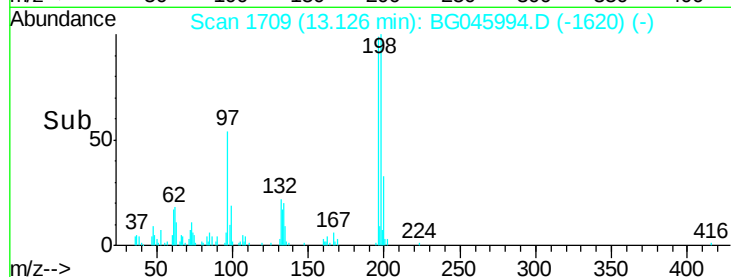
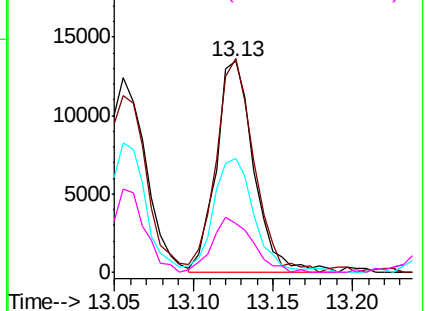
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

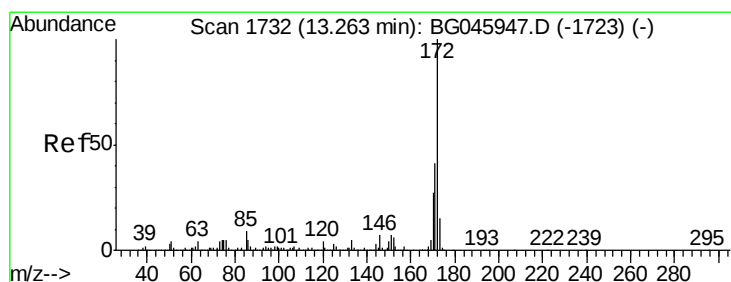
Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



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#45
2-Fluorobiphenyl
Concen: 73.493 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

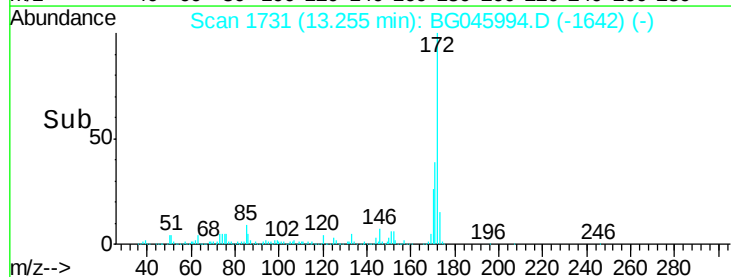
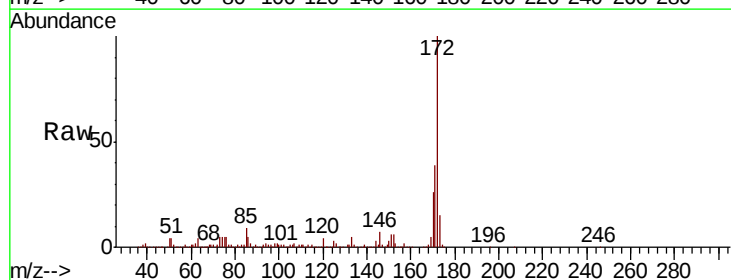
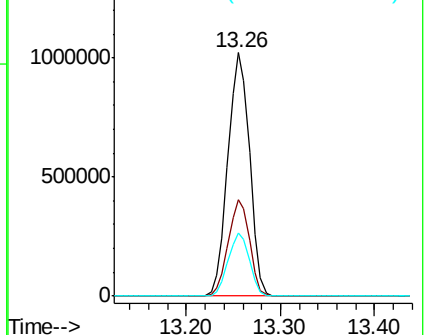
Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.4	32.9	49.3
170	25.7	21.8	32.6

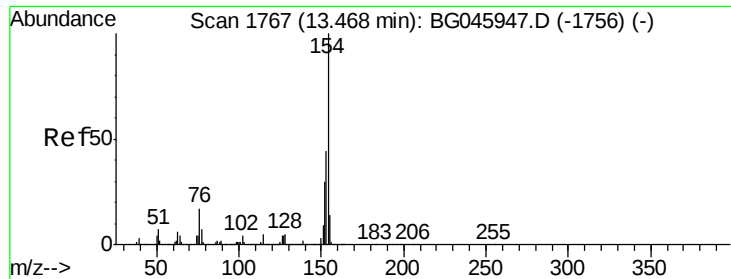
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



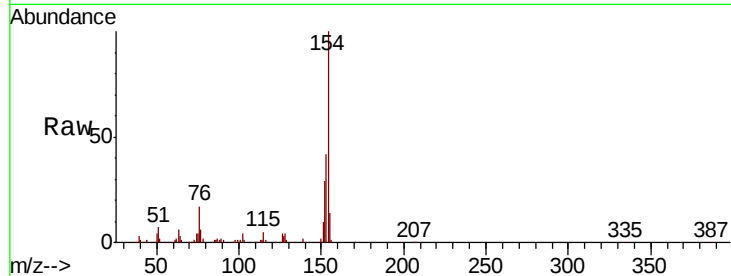


#46
 1,1'-Biphenyl
 Concen: 4.124 ng
 RT: 13.46 min Scan# 1766
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

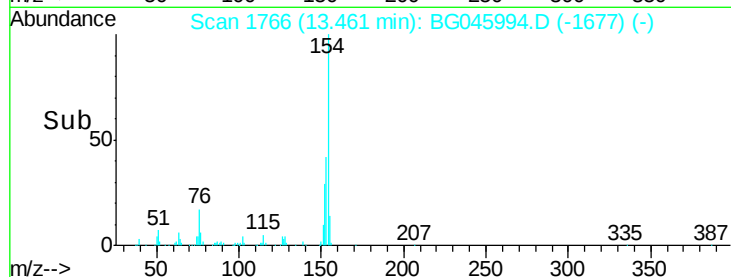
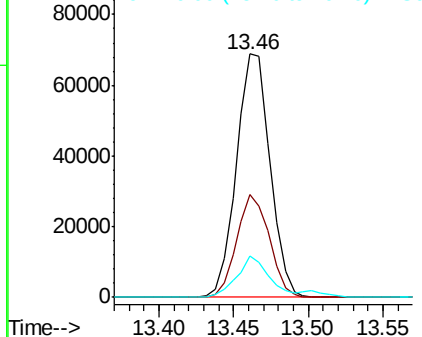
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.4	23.6	63.6
76	17.1	0.0	36.9

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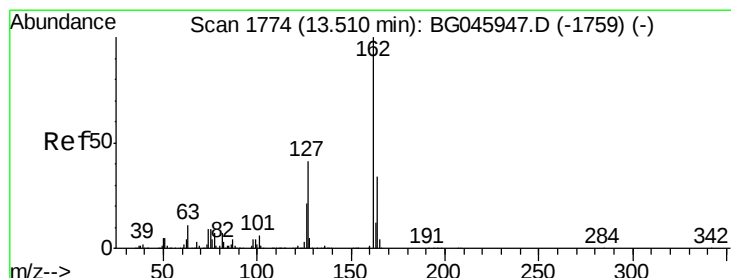


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC



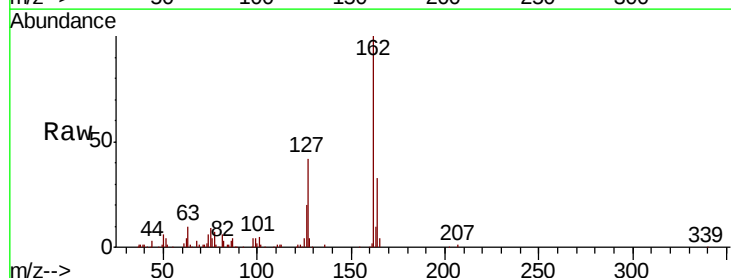
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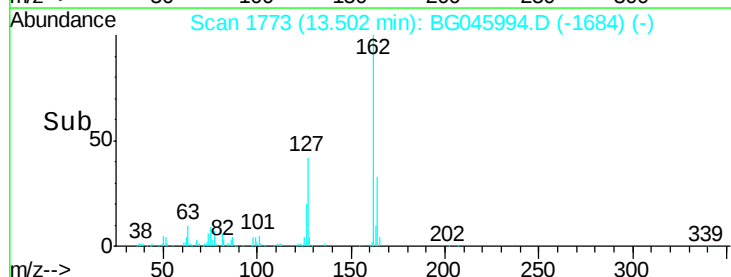
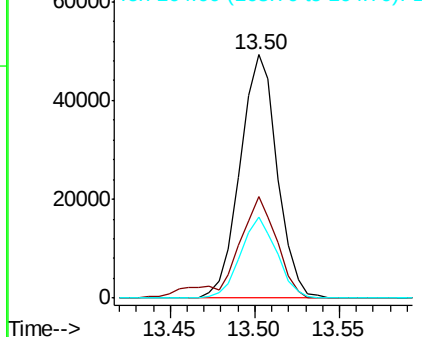


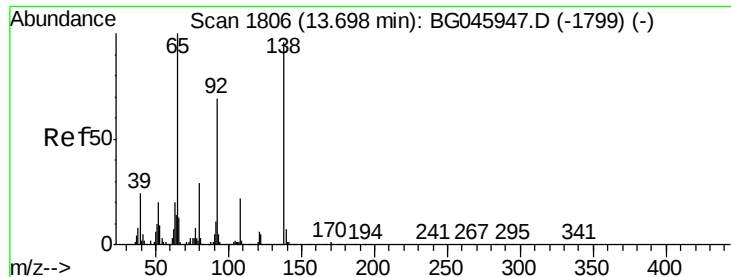
#47
 2-Chloronaphthalene
 Concen: 3.658 ng
 RT: 13.50 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.9	32.5	48.7
164	33.1	27.2	40.8



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E



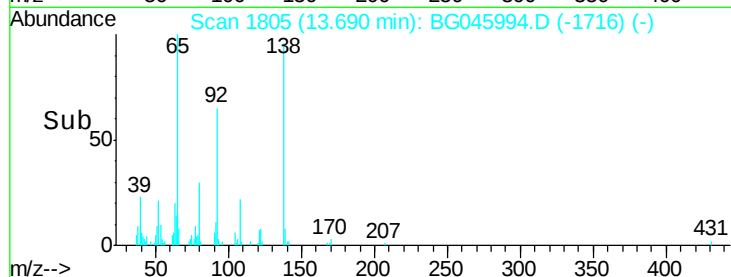
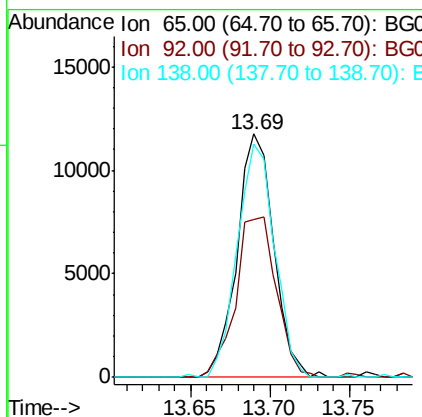
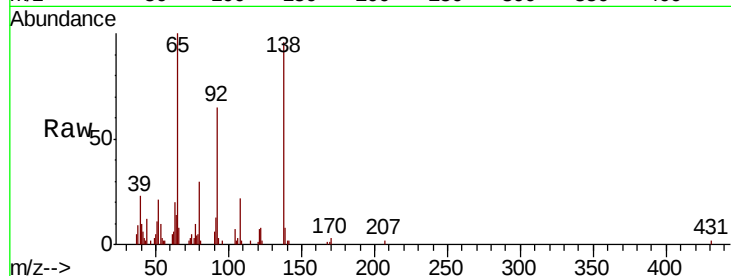


#48
2-Nitroaniline
Concen: 3.936 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

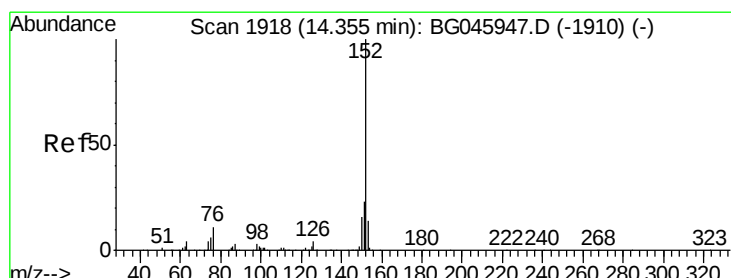
Tot Ion	Ratio	Lower	Upper
65	100		
92	64.6	55.4	83.0
138	95.9	77.0	115.4

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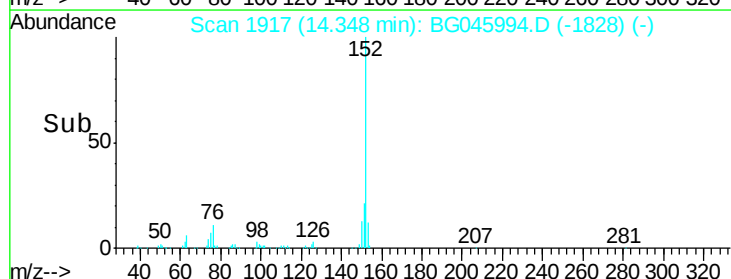
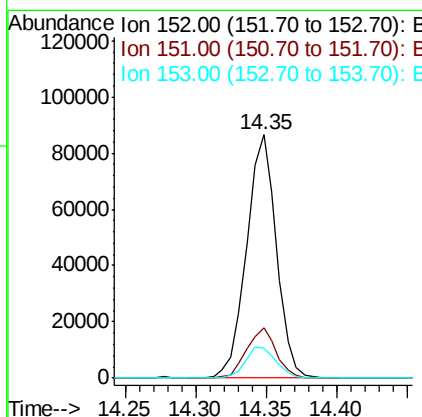
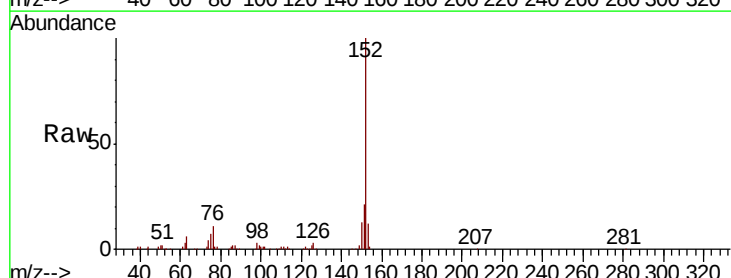
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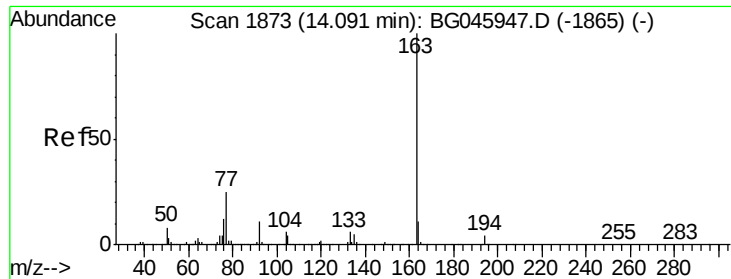
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#49
Acenaphthylene
Concen: 3.874 ng
RT: 14.35 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	18.1	27.1
153	12.3	11.5	17.3



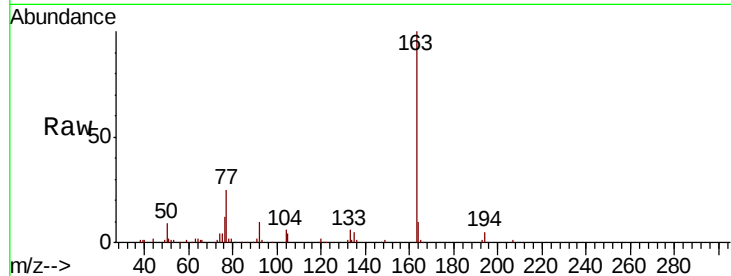


#50
Dimethylphthalate
Concen: 3.496 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.6	5.4
164	10.5	8.9	13.3

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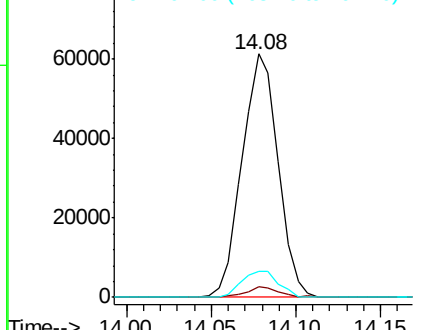


Abundance

Ion 163.00 (162.70 to 163.70): E

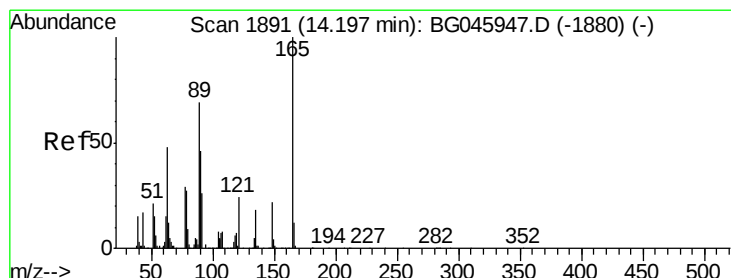
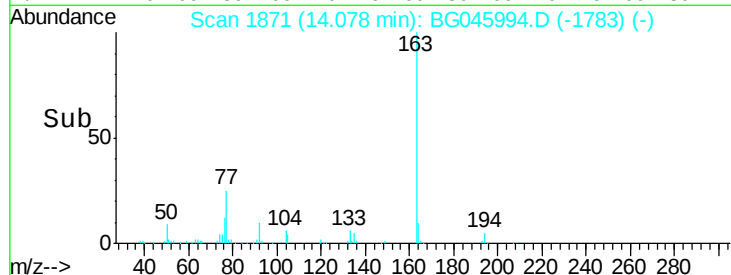
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



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#51
2,6-Dinitrotoluene
Concen: 3.935 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

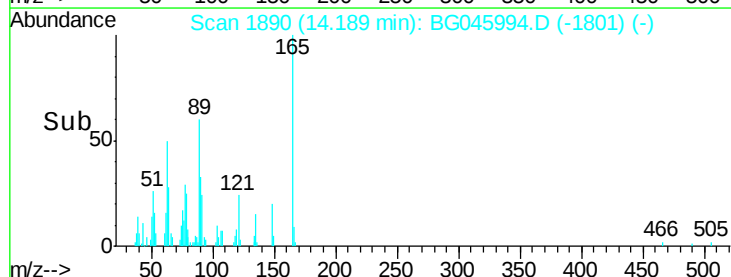
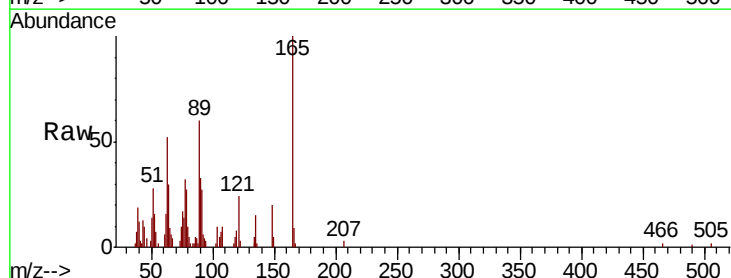
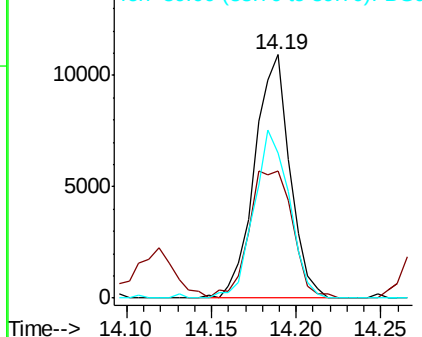
Tgt Ion	Ratio	Lower	Upper
165	100		
63	52.4	51.0	76.4
89	59.8	55.7	83.5

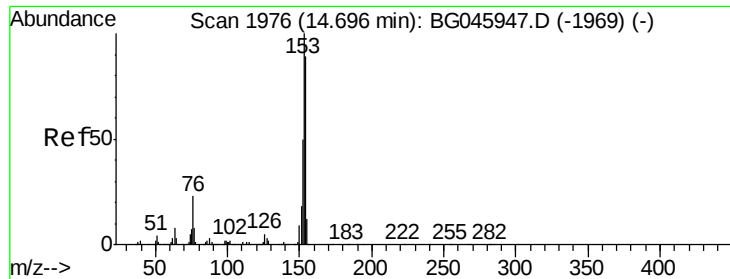
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 3.512 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

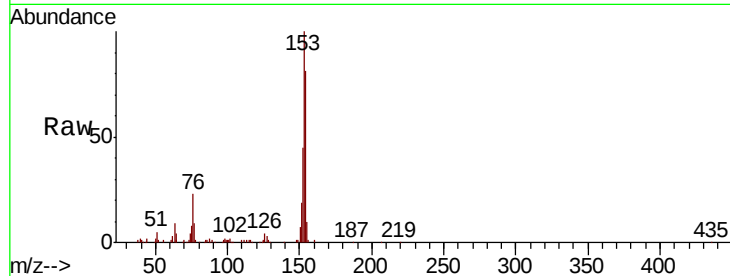
BNA_G

ClientSampleId :

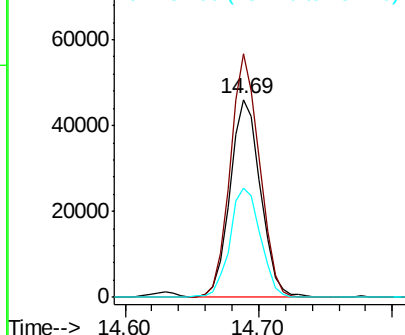
MDL-SOIL-03-QT3-2020

Tot Ion:	154	Resp:	73451
Ion Ratio	Lower	Upper	
154	100		
153	122.9	89.7	134.5
152	55.2	44.7	67.1

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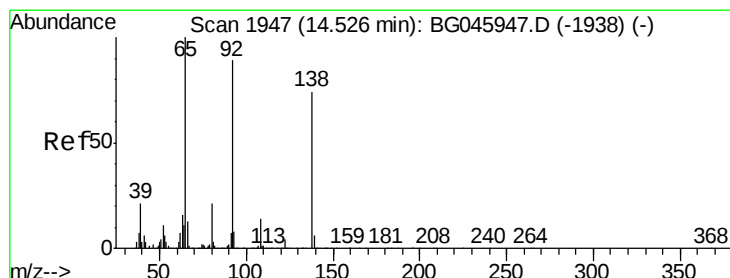
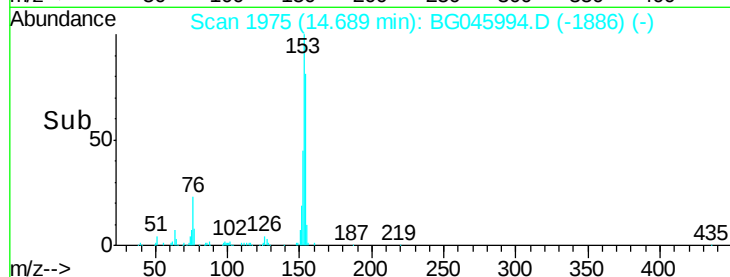


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



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#53

3-Nitroaniline

Concen: 3.392 ng

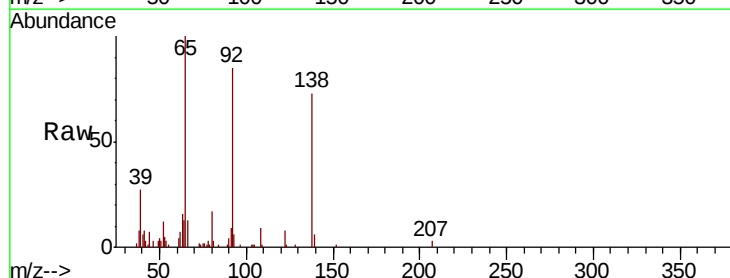
RT: 14.51 min Scan# 1945

Delta R.T. -0.01 min

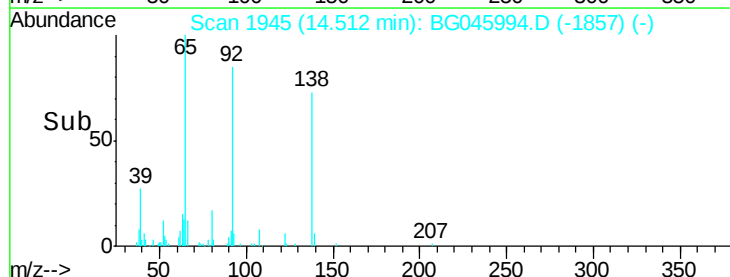
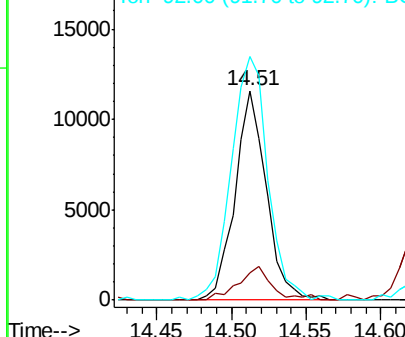
Lab File: BG045994.D

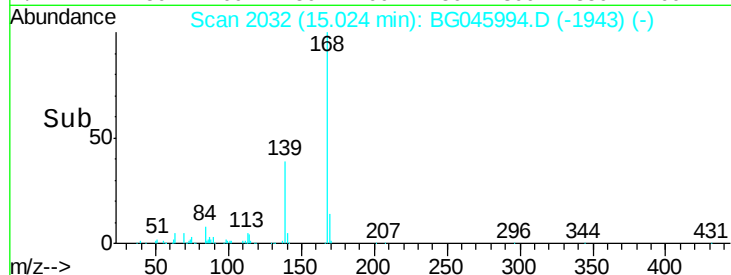
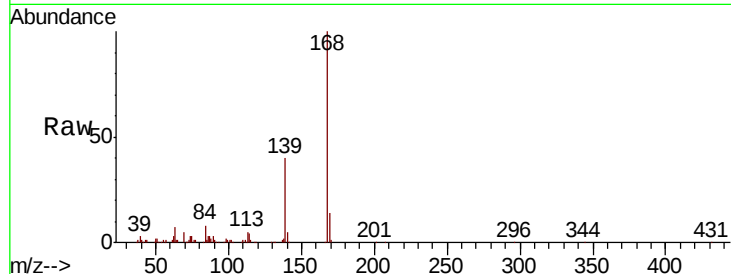
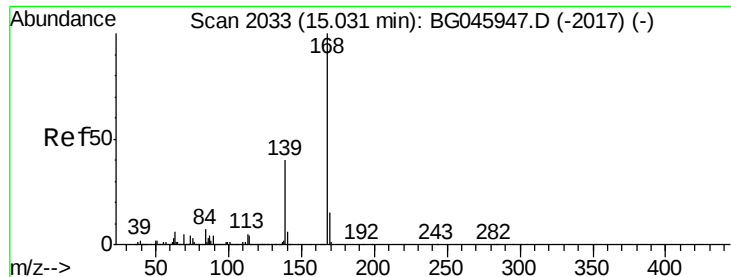
Acq: 9 Jul 2020 14:35

Tgt Ion:	138	Resp:	16948
Ion Ratio	Lower	Upper	
138	100		
108	12.8	15.4	23.2#
92	116.3	95.9	143.9



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BG0



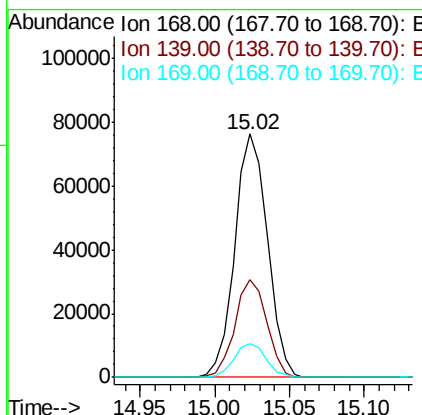


#55
Dibenzofuran
Concen: 3.784 ng
RT: 15.02 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tot Ion:	168	Resp:	116013
Ion Ratio	Lower	Upper	
168	100		
139	40.0	32.2	48.2
169	14.0	11.8	17.8

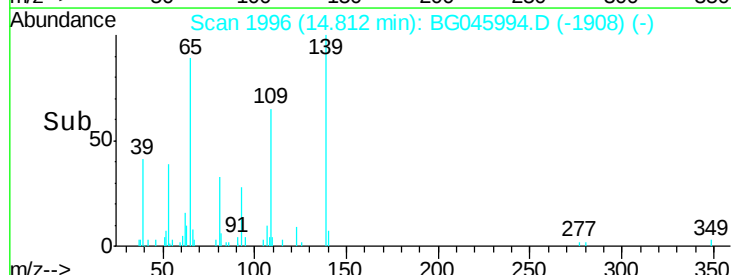
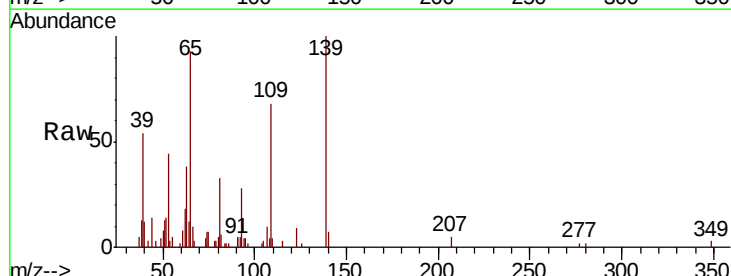
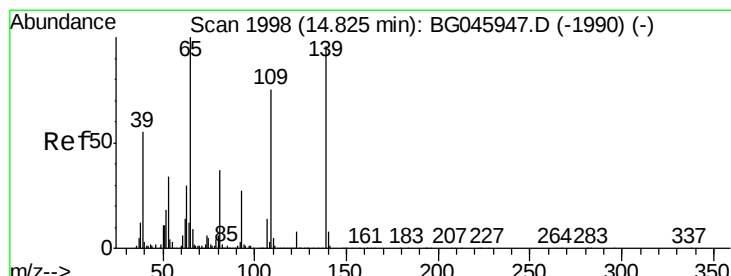
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

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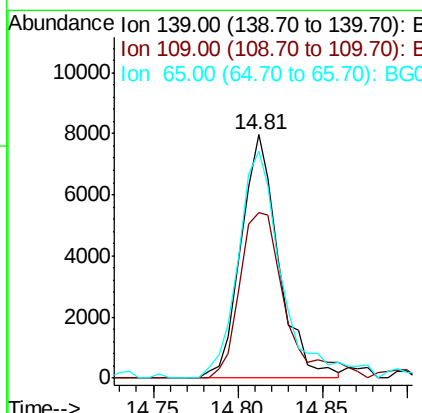
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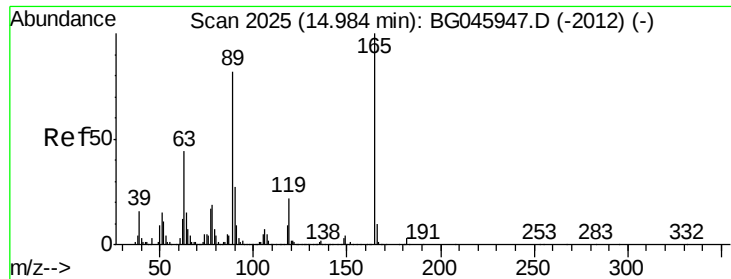
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#56
4-Nitrophenol
Concen: 2.913 ng
RT: 14.81 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion:	139	Resp:	12331
Ion Ratio	Lower	Upper	
139	100		
109	67.9	58.5	98.5
65	93.2	84.7	124.7



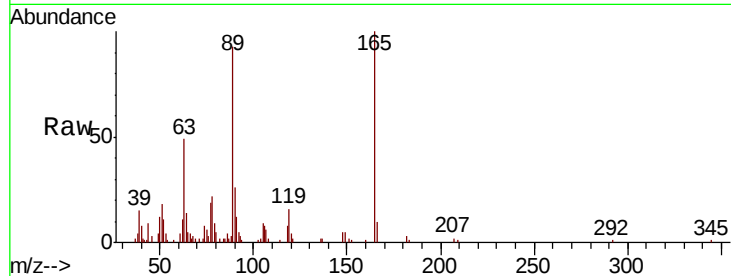


#57
 2,4-Dinitrotoluene
 Concen: 3.895 ng
 RT: 14.97 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

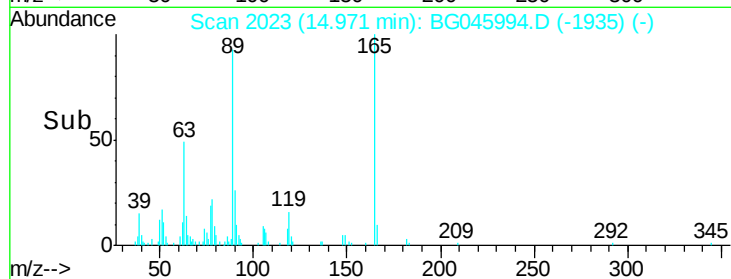
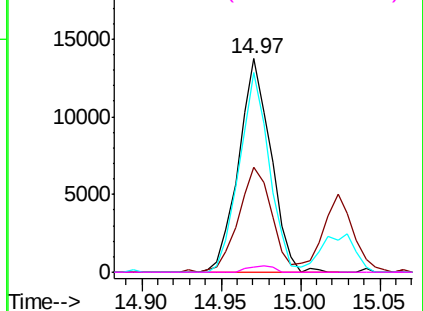
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100				
63	49.2		35.4	53.0	
89	93.5		65.4	98.2	
182	2.5		2.0	3.0	

Manual Integrations
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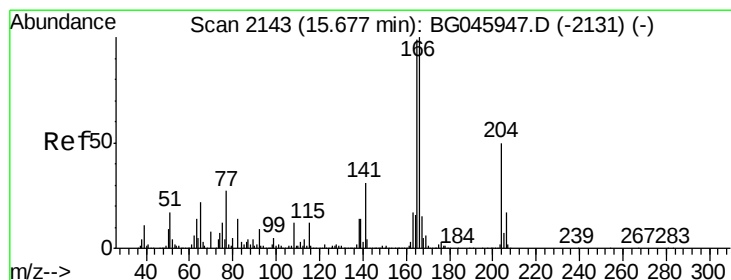


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E



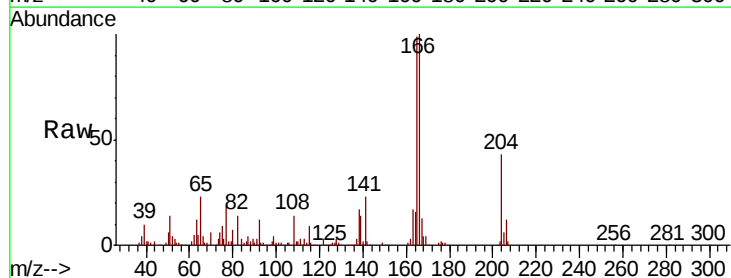
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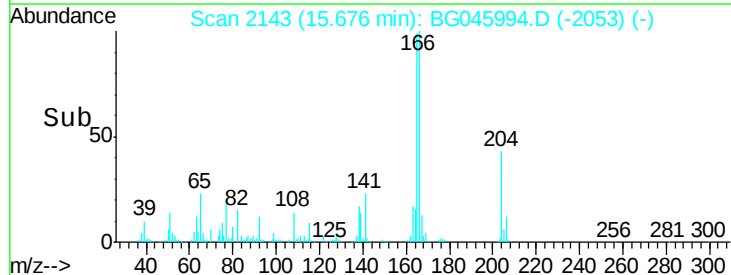
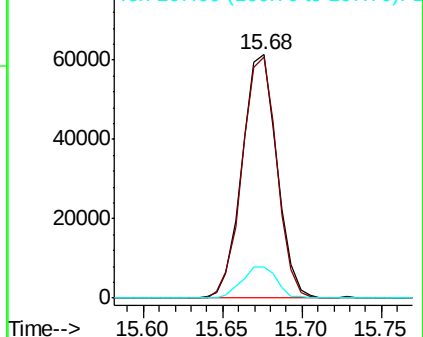


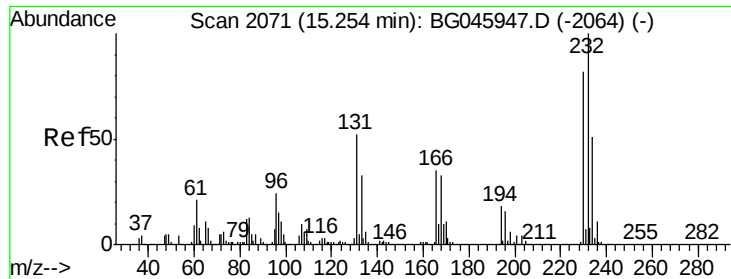
#58
 Fluorene
 Concen: 3.730 ng
 RT: 15.68 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	98.7		78.9	118.3	
167	12.9		12.1	18.1	



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E



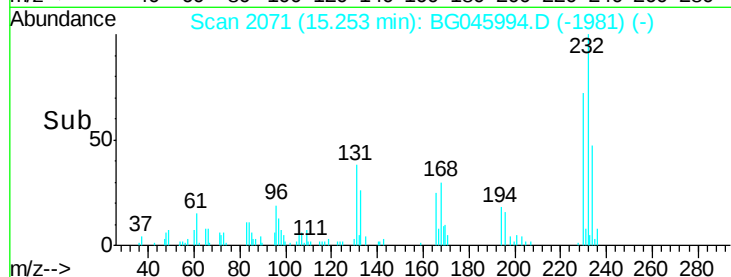
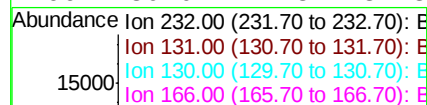
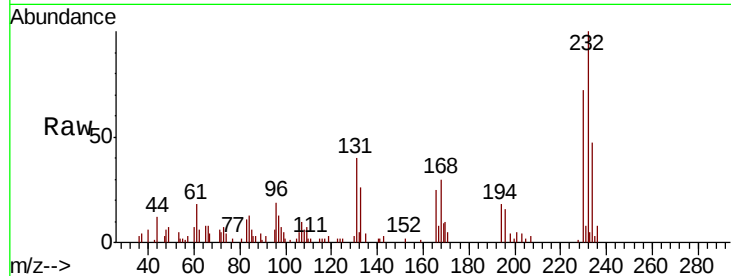


#59
 2,3,4,6-Tetrachlorophenol
 Concen: 3.272 ng
 RT: 15.25 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

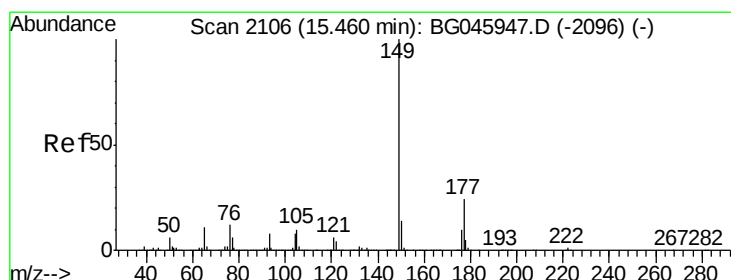
Tot Ion:	232	Resp:	18853
Ion Ratio	Lower	Upper	
232	100		
131	48.8	35.8	53.6
130	2.6	2.5	3.7
166	30.0	21.8	32.8

Manual Integrations
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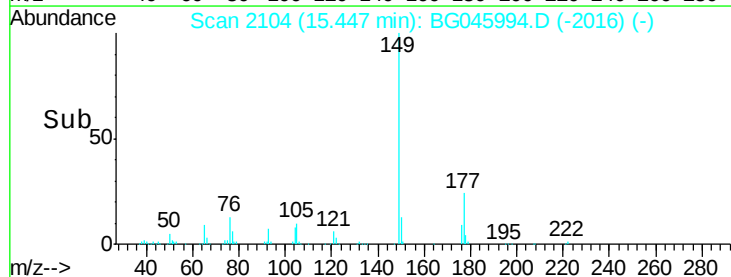
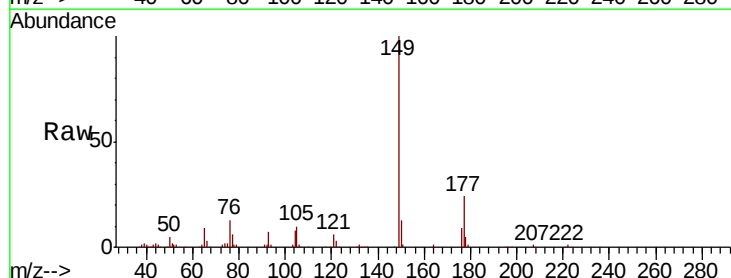
mohammad

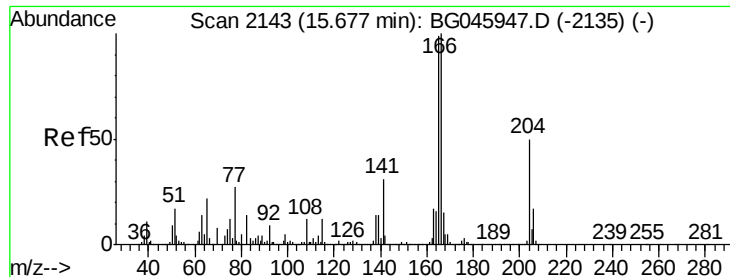
7/10/2020 11:47:08 AM



#60
 Diethylphthalate
 Concen: 3.426 ng
 RT: 15.45 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Tgt Ion:	149	Resp:	93362
Ion Ratio	Lower	Upper	
149	100		
177	23.8	19.0	28.4
150	12.8	11.0	16.4



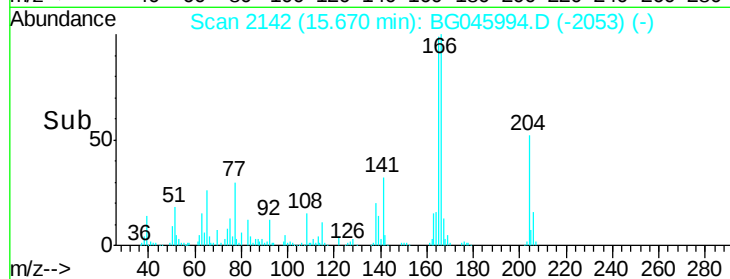
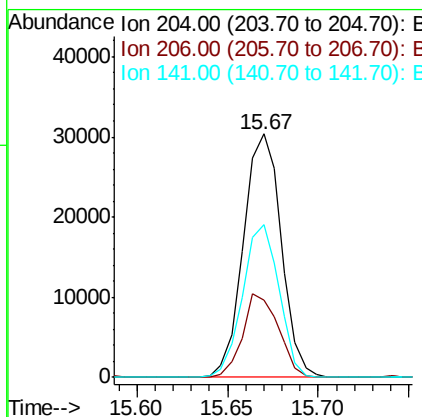
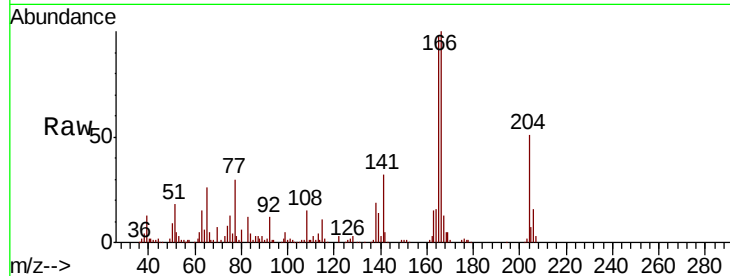


#61
4-Chlorophenyl-phenylether
Concen: 3.534 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

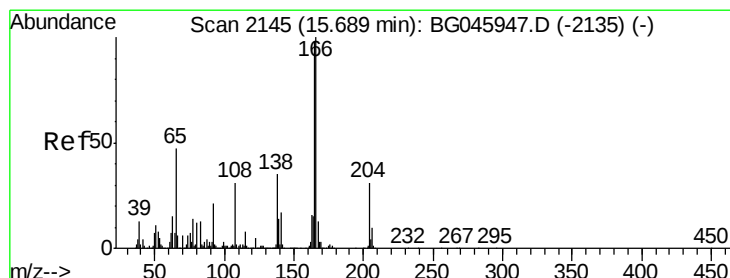
Tot Ion	Ratio	Lower	Upper
204	100		
206	31.9	27.1	40.7
141	62.7	49.8	74.8

Manual Integrations
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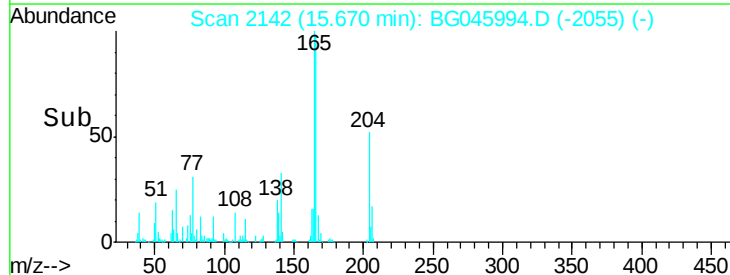
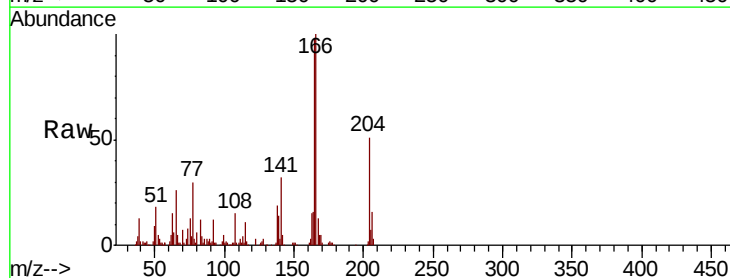
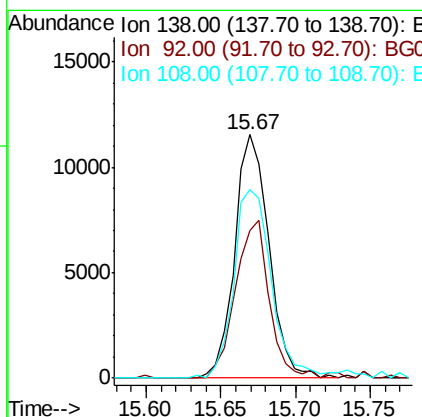
mohammad

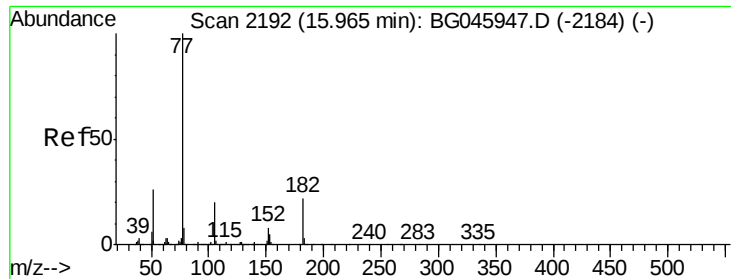
7/10/2020 11:47:08 AM



#62
4-Nitroaniline
Concen: 3.428 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
138	100		
92	60.9	40.3	80.3
108	77.7	68.0	108.0



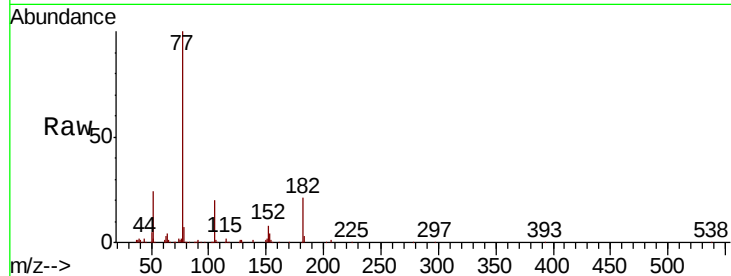


#63
Azobenzene
Concen: 3.822 ng
RT: 15.96 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

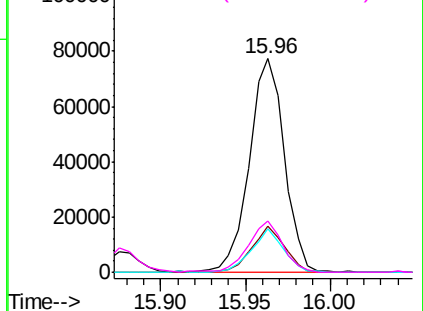
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
77	100		
182	21.5	2.4	42.4
105	20.4	0.3	40.3
51	23.7	6.3	46.3

Manual Integrations
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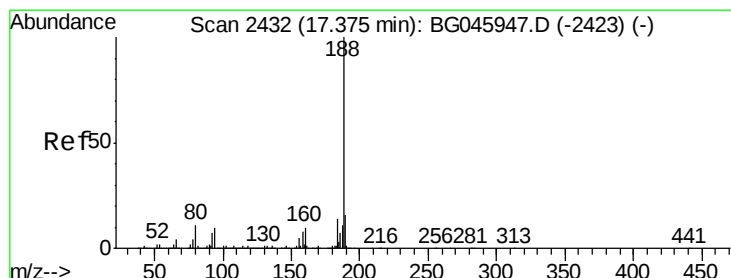
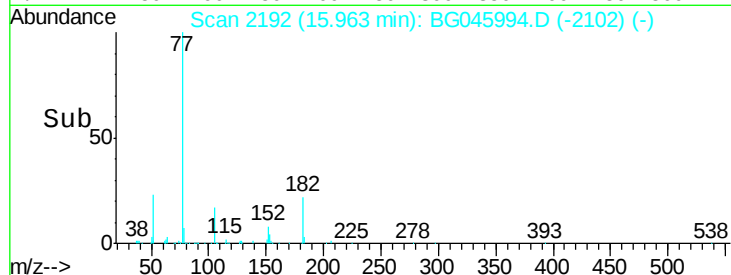


Abundance Ion 77.00 (76.70 to 77.70): BGC
120000
Ion 182.00 (181.70 to 182.70): BGC
100000
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



mohammad

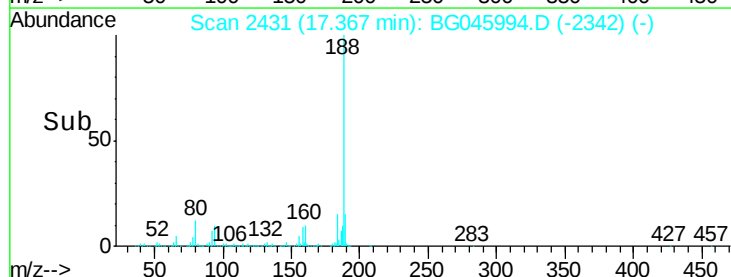
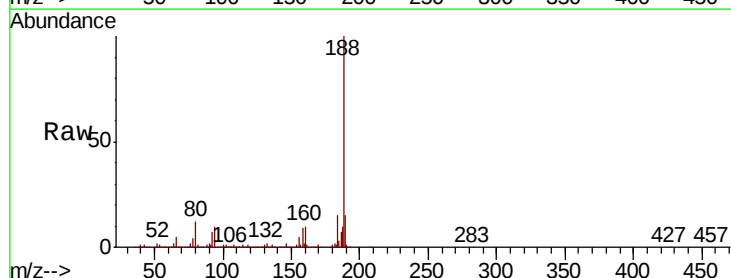
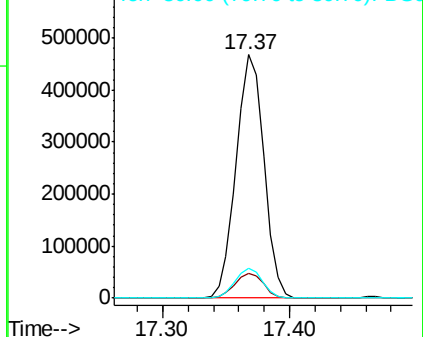
7/10/2020 11:47:08 AM

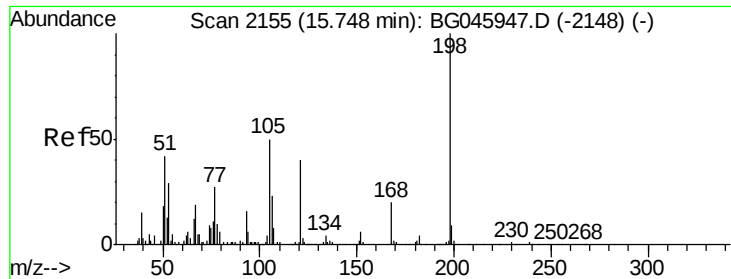


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.2	12.4
80	12.5	9.0	13.6

Abundance Ion 188.00 (187.70 to 188.70): BGC
600000
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC



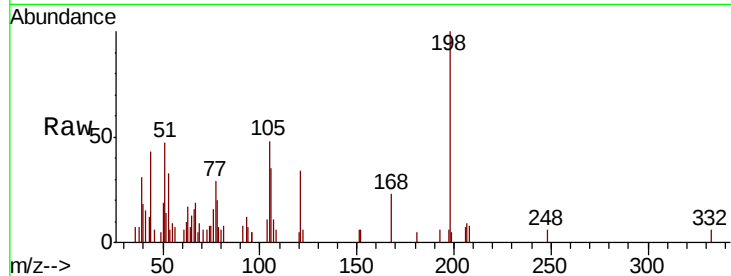


#65
4,6-Dinitro-2-methylphenol
Concen: 2.462 ng
RT: 15.74 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
198	100	5124		
51	46.9		24.5	64.5
105	48.1		30.9	70.9

Manual Integrations
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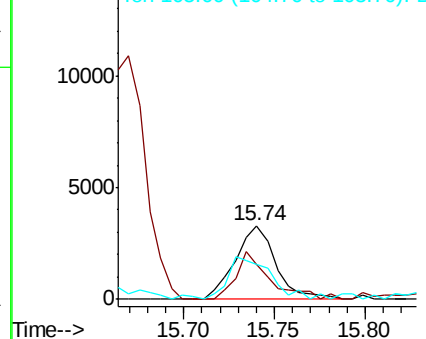


Abundance

Ion 198.00 (197.70 to 198.70): E

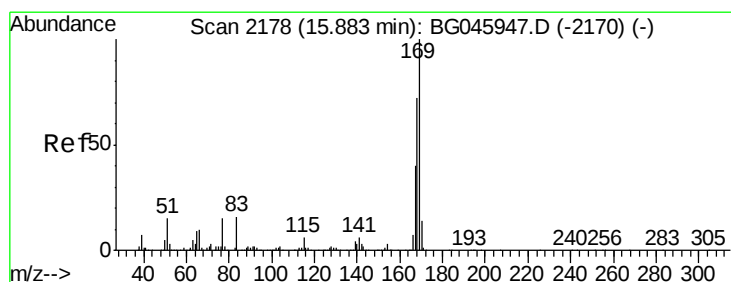
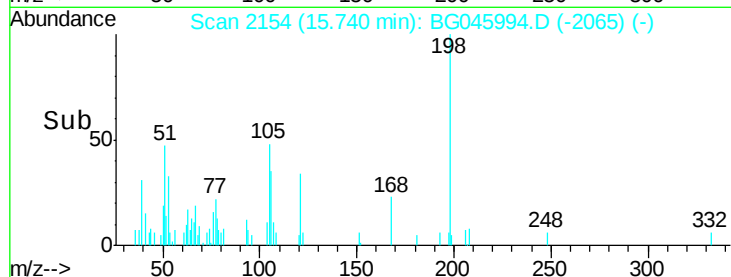
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



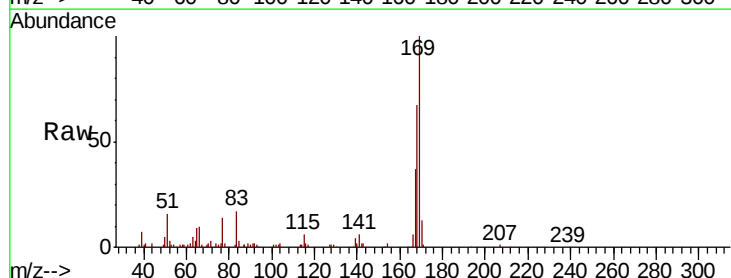
mohammad

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#66
n-Nitrosodiphenylamine
Concen: 3.626 ng
RT: 15.88 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	79854		
168	67.0		57.3	85.9
167	37.3		32.1	48.1

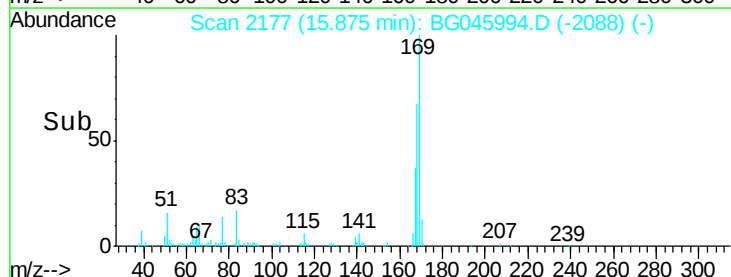
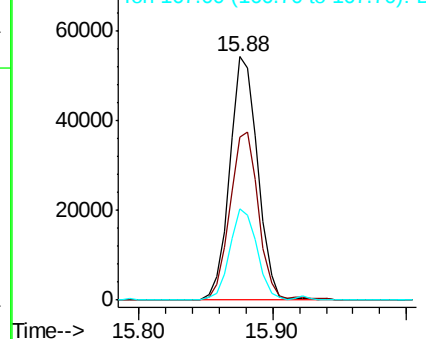


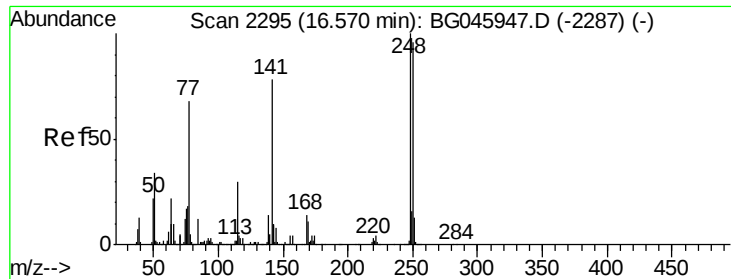
Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



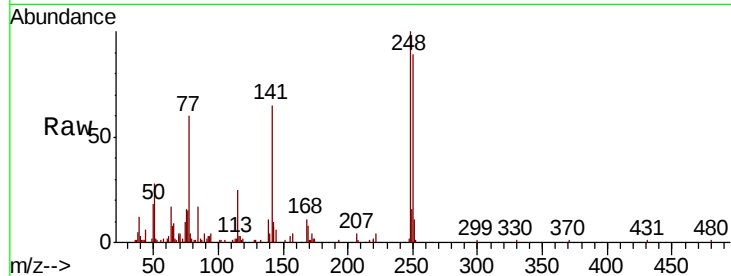


#67
4-Bromophenyl-phenylether
Concen: 3.336 ng
RT: 16.57 min Scan# 2295
Delta R.T. -0.00 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

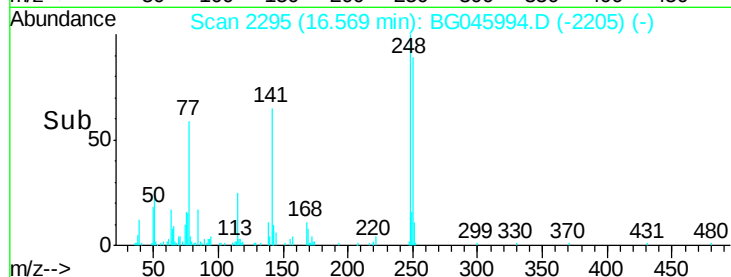
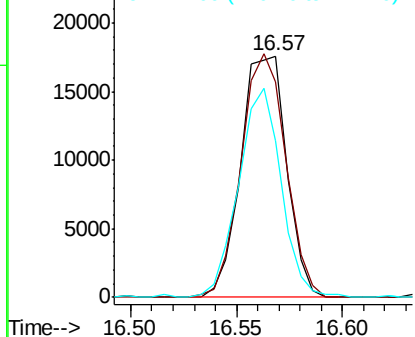
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	89.4	76.6	114.8
141	65.0	62.7	94.1

Manual Integrations
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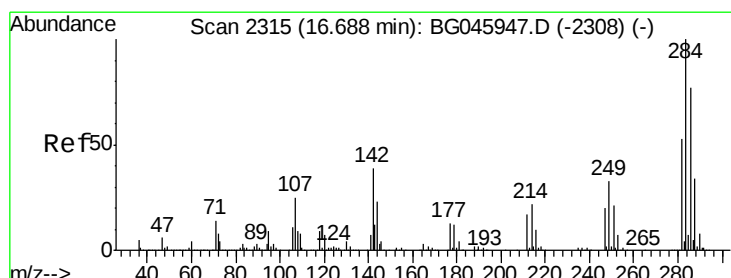


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



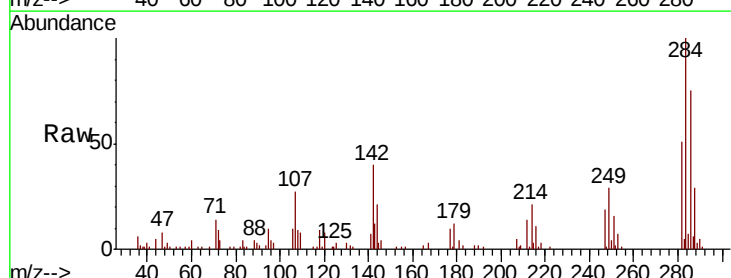
mohammad

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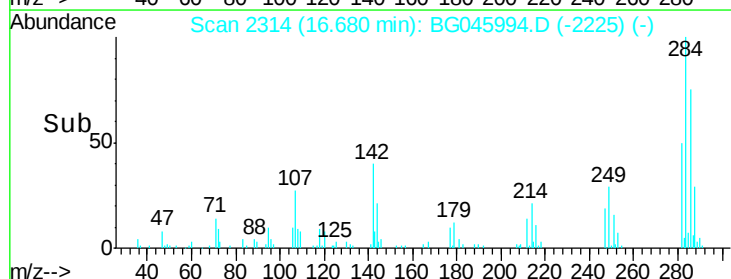
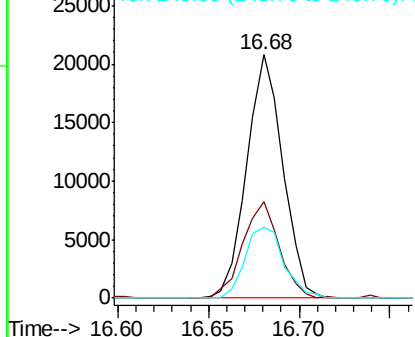


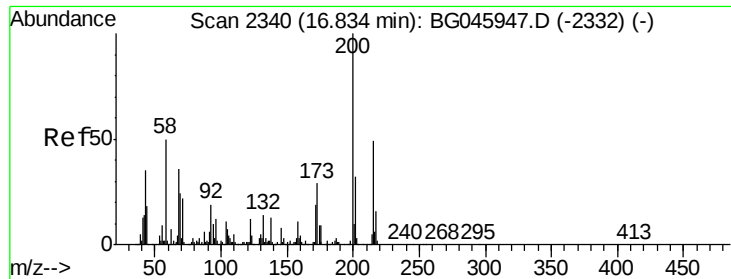
#68
Hexachlorobenzene
Concen: 3.593 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.6	31.3	46.9
249	29.2	26.8	40.2



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



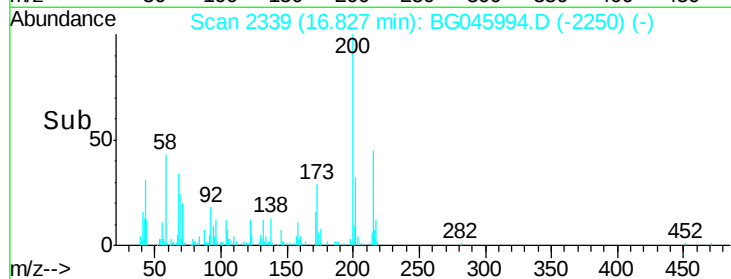
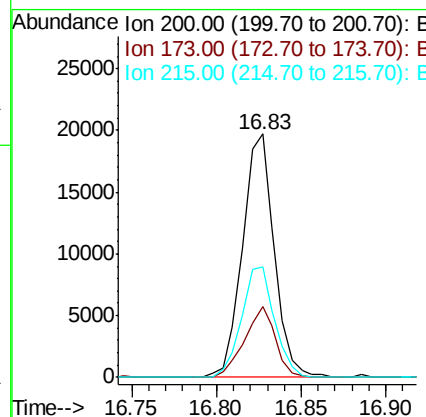
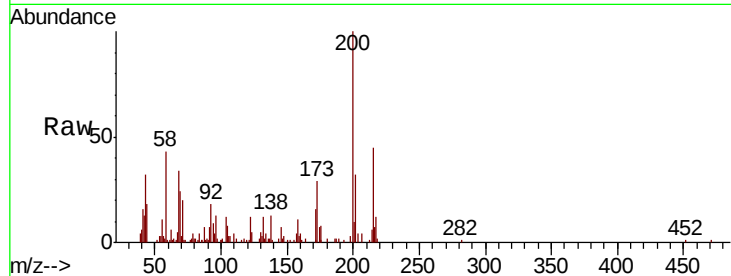


#69
Atrazine
Concen: 3.954 ng
RT: 16.83 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

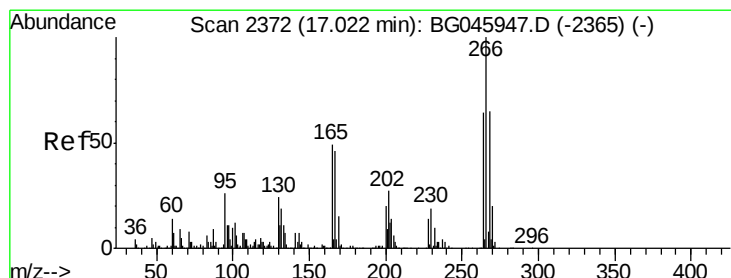
Tot Ion	Ratio	Lower	Upper
200	100		
173	29.2	9.1	49.1
215	45.2	28.8	68.8

Manual Integrations
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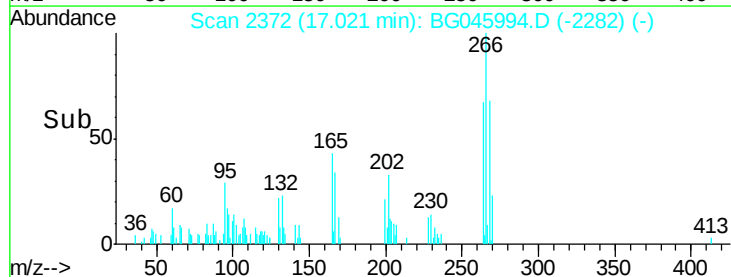
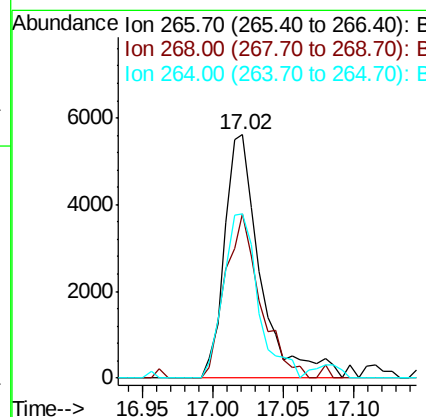
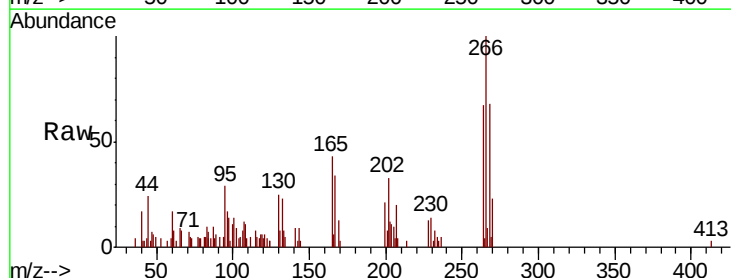
mohammad

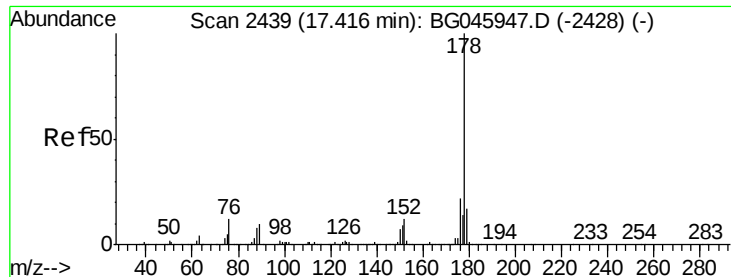
7/10/2020 11:47:08 AM



#70
Pentachlorophenol
Concen: 2.232 ng
RT: 17.02 min Scan# 2372
Delta R.T. -0.00 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.6	51.8	77.8
264	67.3	51.4	77.0





#71

Phenanthrene

Concen: 3.881 ng/mL

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

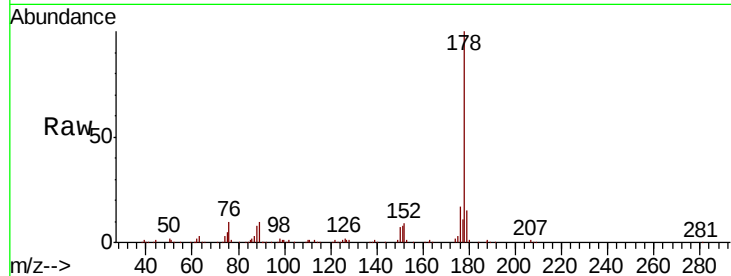
BNA_G

ClientSampleId :

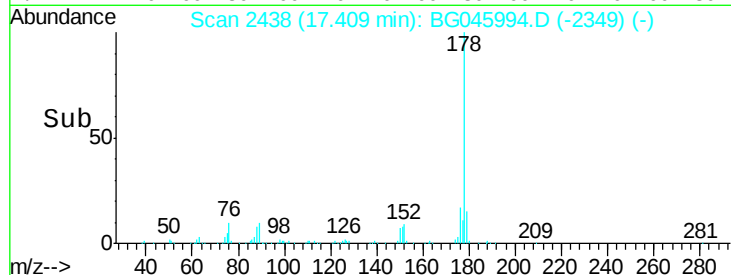
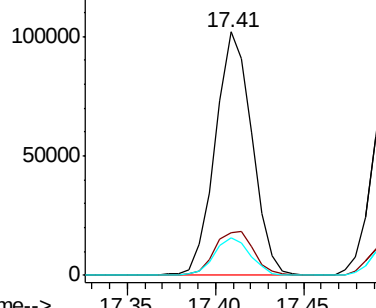
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	17.4	26.2#
179	15.3	13.4	20.2

Manual Integrations
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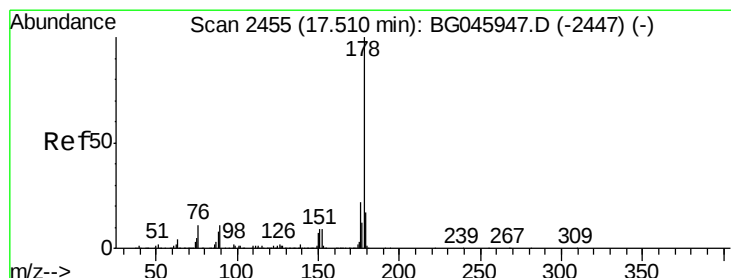


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



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#72

Anthracene

Concen: 3.854 ng/mL

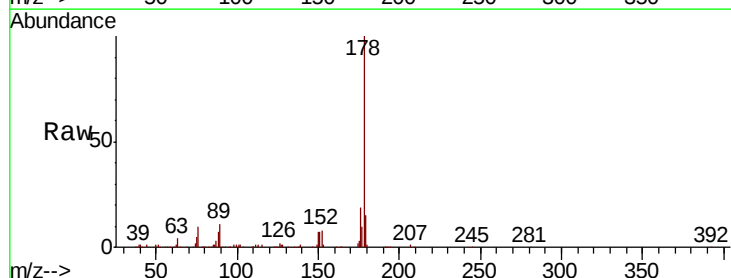
RT: 17.50 min Scan# 2454

Delta R.T. -0.01 min

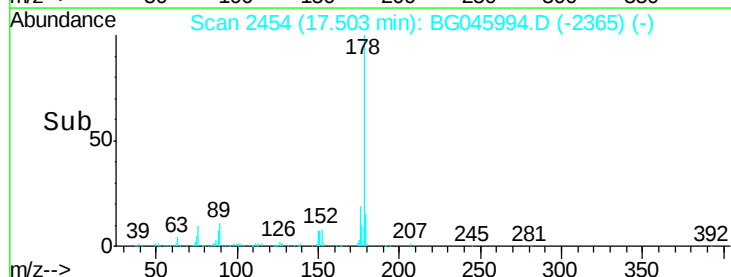
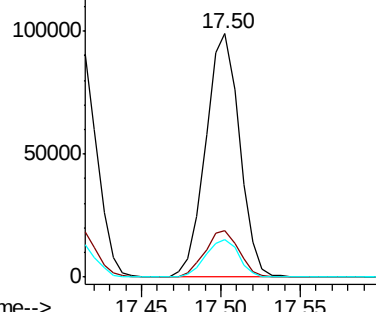
Lab File: BG045994.D

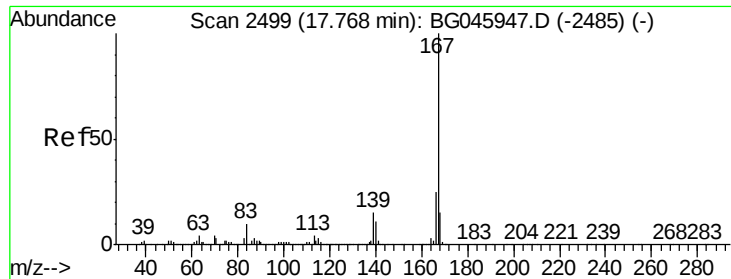
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	17.2	25.8
179	15.5	14.0	21.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



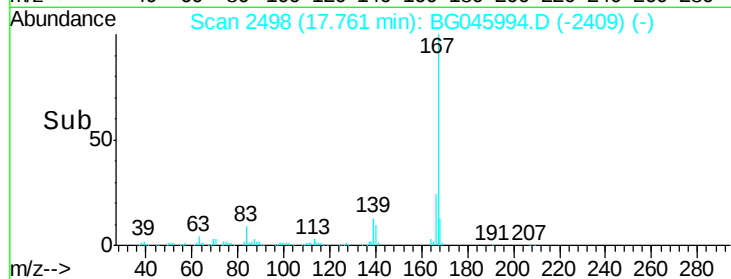
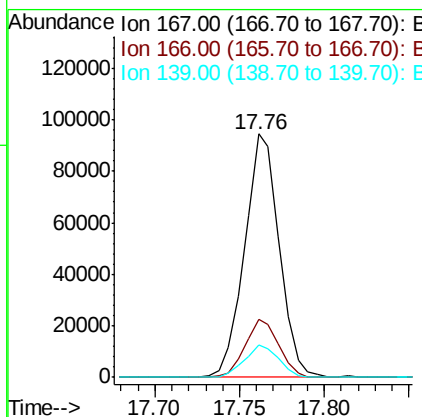
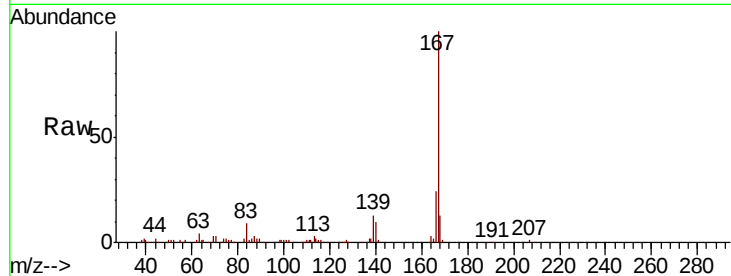


#73
 Carbazole
 Concen: 3.522 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

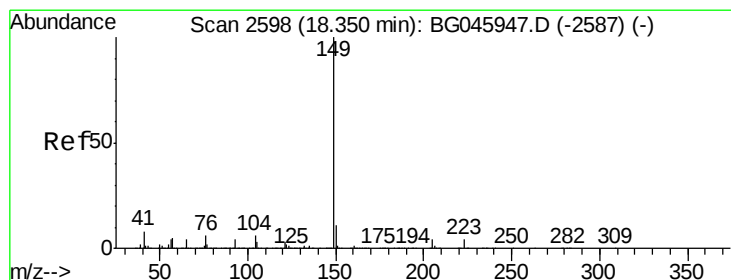
Tot Ion:	167	Resp:	134617
Ion Ratio	Lower	Upper	
167	100		
166	23.6	20.4	30.6
139	13.3	11.8	17.8

Manual Integrations
 APPROVED



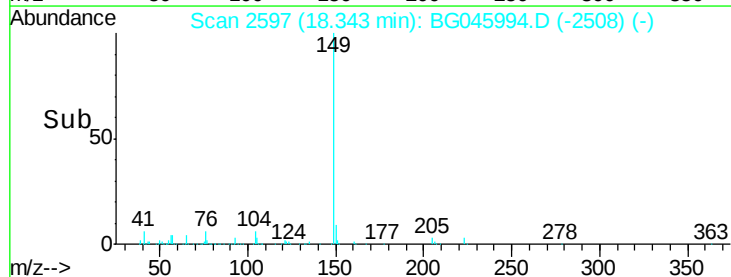
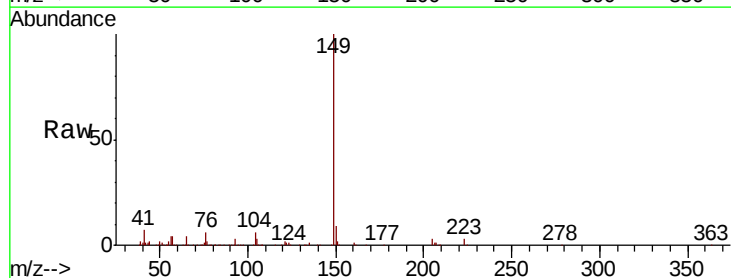
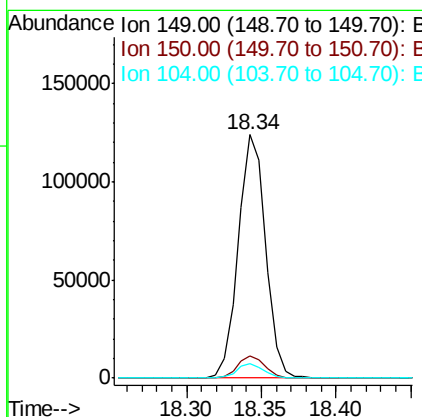
mohammad

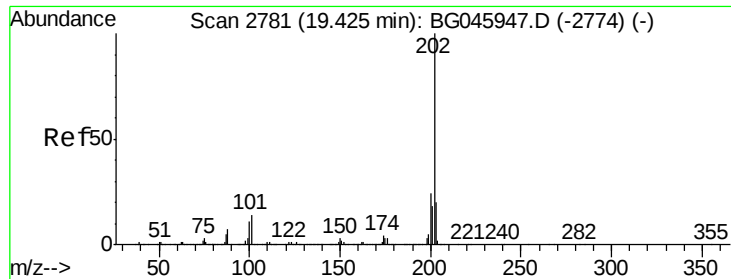
7/10/2020 11:47:08 AM



#74
 Di-n-butylphthalate
 Concen: 3.411 ng
 RT: 18.34 min Scan# 2597
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Tgt Ion:	149	Resp:	157517
Ion Ratio	Lower	Upper	
149	100		
150	8.9	9.0	13.4#
104	5.7	5.2	7.8





#75

Fluoranthene

Concen: 3.836 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

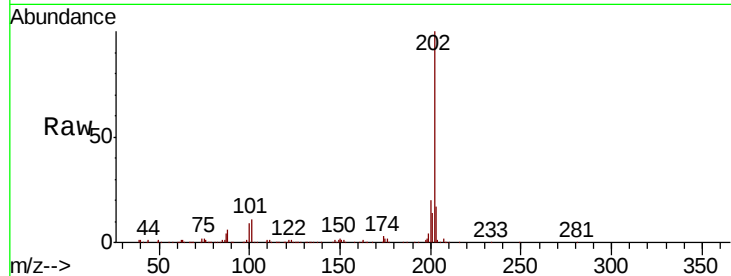
BNA_G

ClientSampleId :

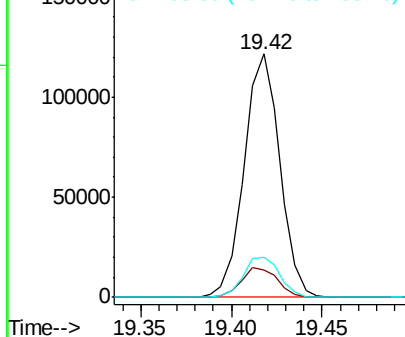
MDL-SOIL-03-QT3-2020

Tot Ion:	202	Resp:	166600
Ion Ratio		Lower	Upper
202	100		
101	11.3	0.0	33.8
203	16.6	0.4	40.4

Manual Integrations
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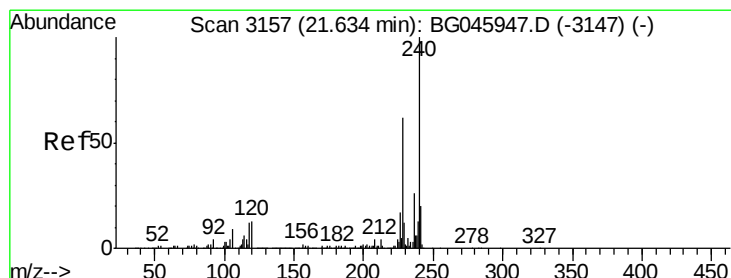
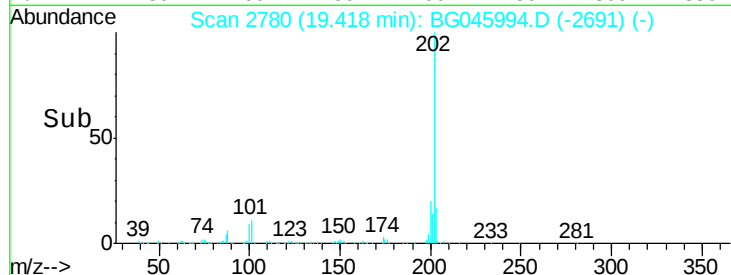


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



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#76

Chrysene-d12

Concen: 20.000 ng

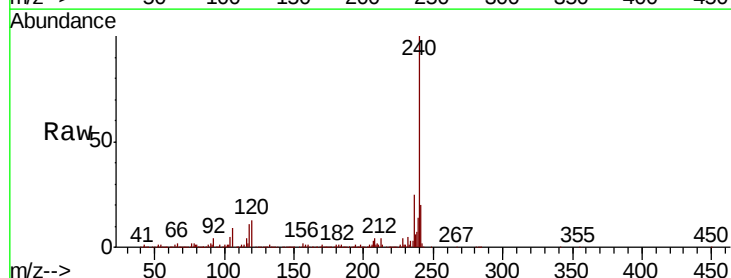
RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

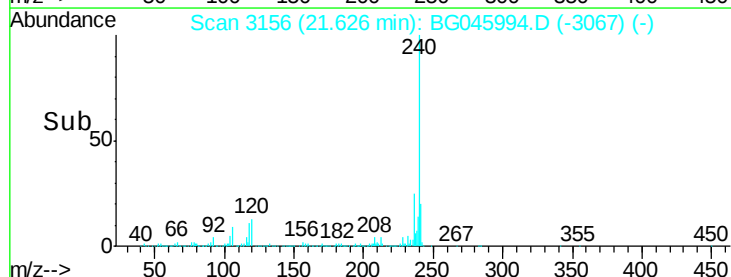
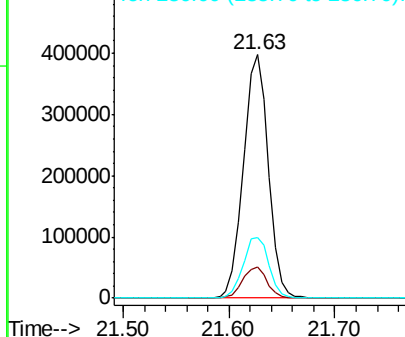
Lab File: BG045994.D

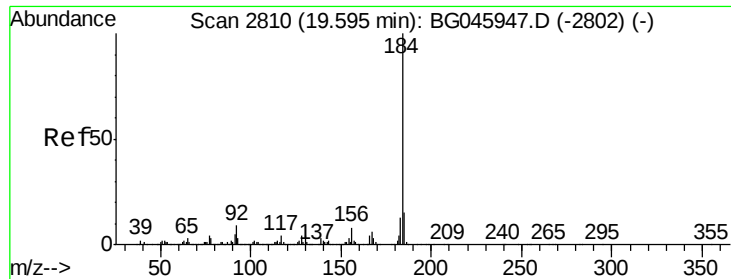
Acq: 9 Jul 2020 14:35

Tgt Ion:	240	Resp:	648286
Ion Ratio		Lower	Upper
240	100		
120	13.0	10.6	16.0
236	25.1	20.4	30.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 4.010 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

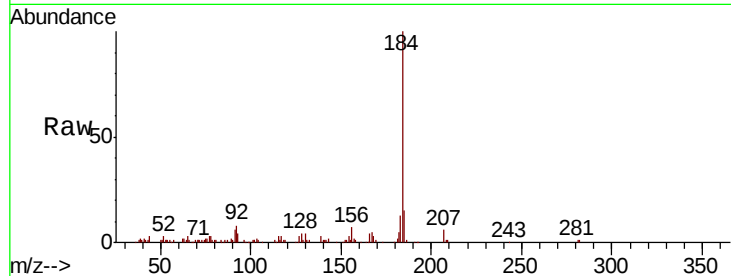
BNA_G

ClientSampleId :

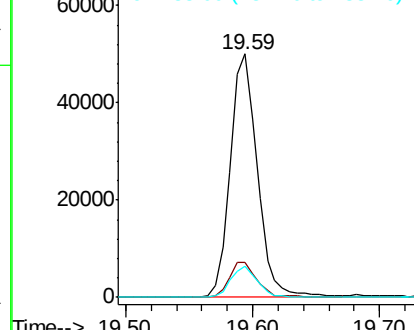
MDL-SOIL-03-QT3-2020

Tot Ion:	184	Resp:	74322
Ion Ratio	Lower	Upper	
184	100		
185	14.6	11.6	17.4
183	12.9	10.4	15.6

Manual Integrations
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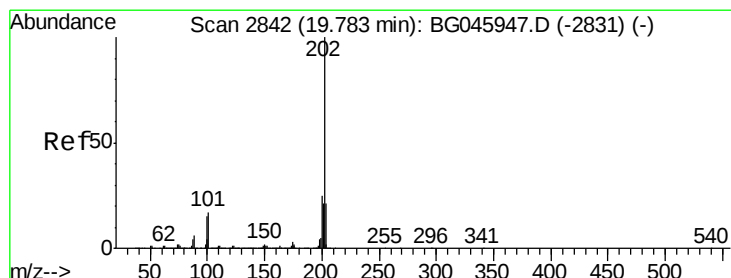
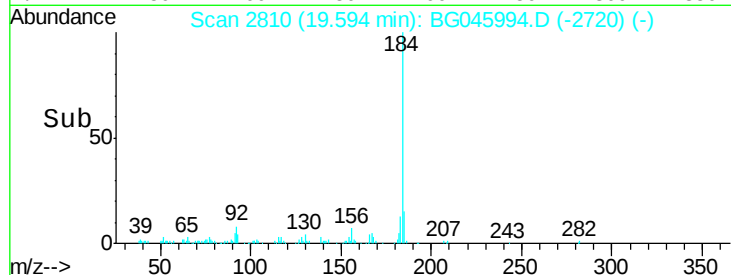


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



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#78

Pyrene

Concen: 3.909 ng

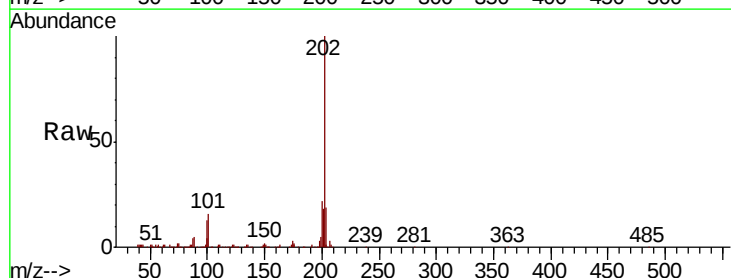
RT: 19.78 min Scan# 2841

Delta R.T. -0.01 min

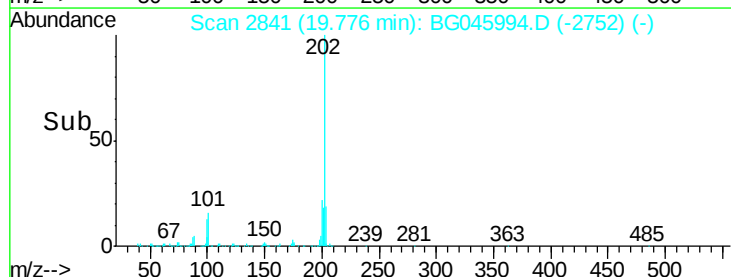
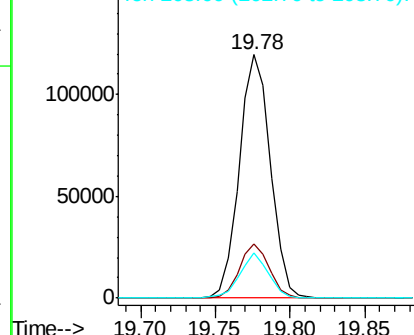
Lab File: BG045994.D

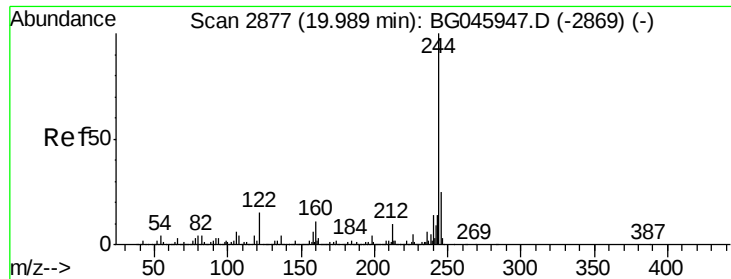
Acq: 9 Jul 2020 14:35

Tgt Ion:	202	Resp:	172971
Ion Ratio	Lower	Upper	
202	100		
200	22.0	20.1	30.1
203	18.8	16.5	24.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



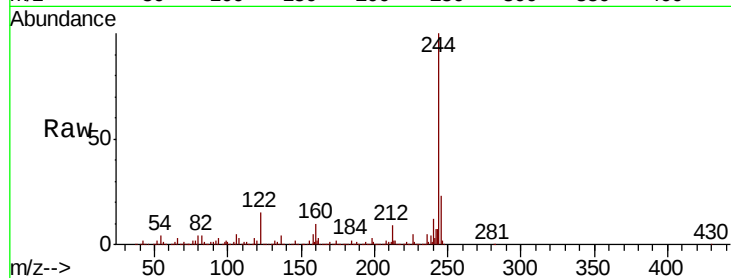


#79
 Terphenyl-d14
 Concen: 58.589 ng
 RT: 19.98 min Scan# 2876
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

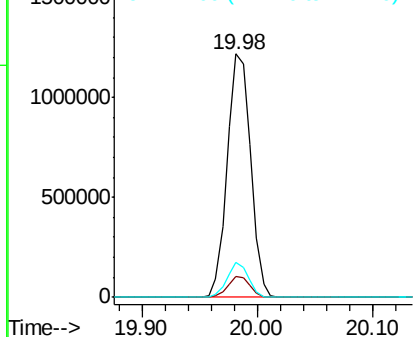
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	8.3	12.5
122	14.5	12.1	18.1

Manual Integrations
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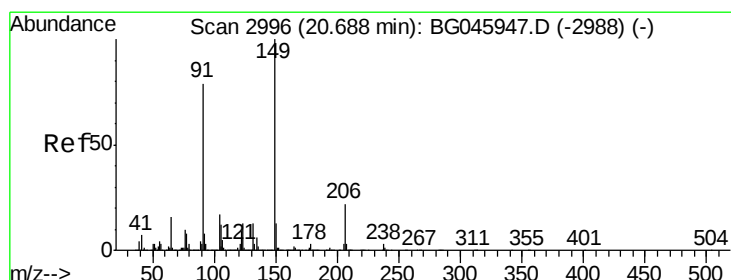
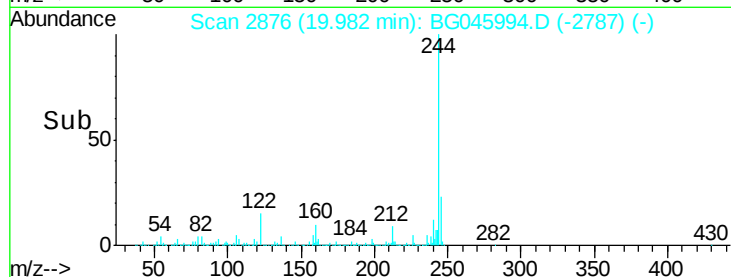


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



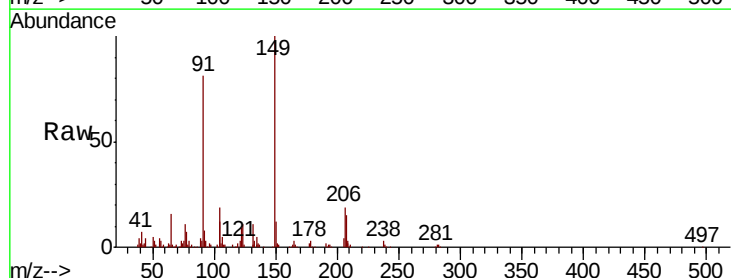
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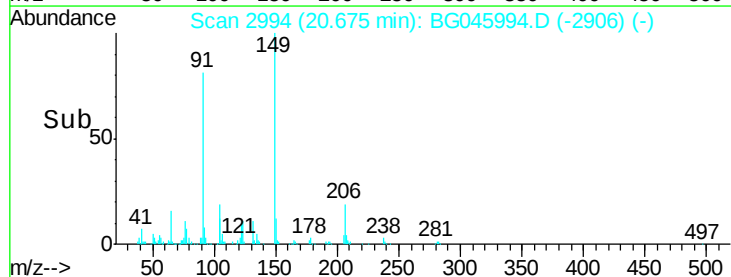
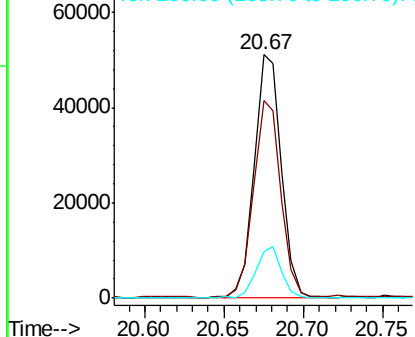


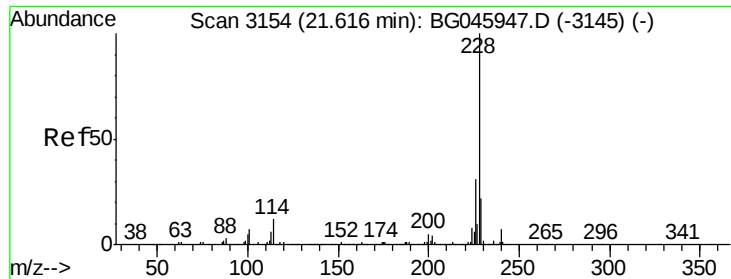
#80
 Butylbenzylphthalate
 Concen: 2.909 ng
 RT: 20.67 min Scan# 2994
 Delta R.T. -0.01 min
 Lab File: BG045994.D
 Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
149	100		
91	81.3	63.1	94.7
206	19.1	17.4	26.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BG
 Ion 206.00 (205.70 to 206.70): E



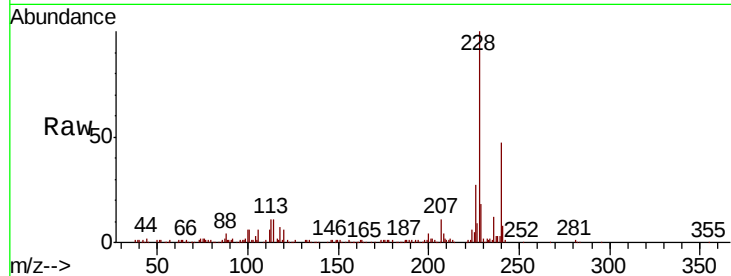


#81
Benzo(a)anthracene
Concen: 3.693 ng
RT: 21.60 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	24.8	37.2
229	17.8	17.8	26.8

Manual Integrations
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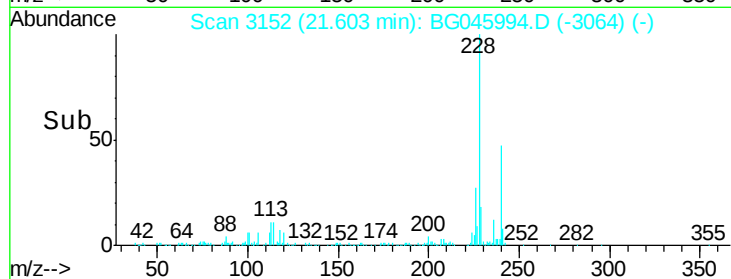
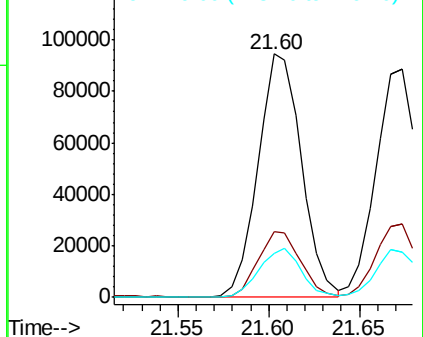


Abundance

Ion 228.00 (227.70 to 228.70): E

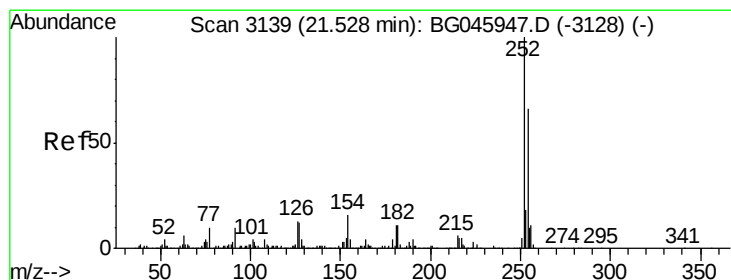
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



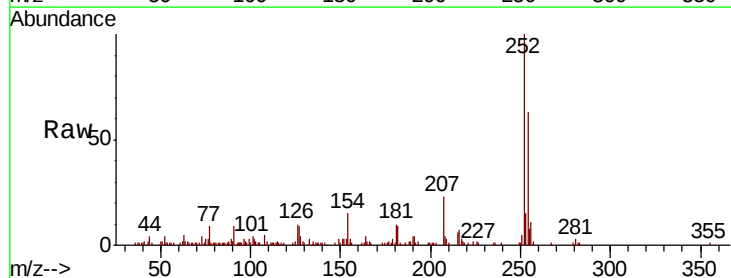
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#82
3,3'-Dichlorobenzidine
Concen: 3.372 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.5	52.9	79.3
126	10.4	10.4	15.6

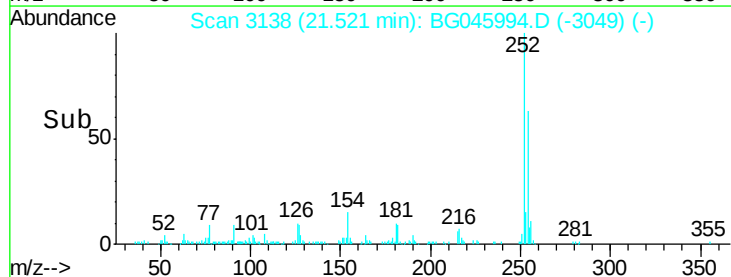
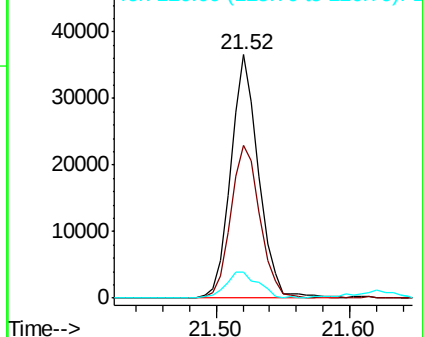


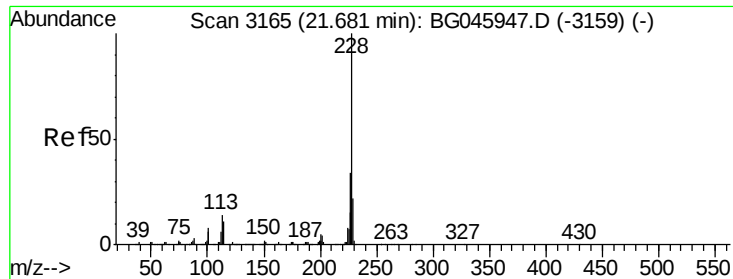
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



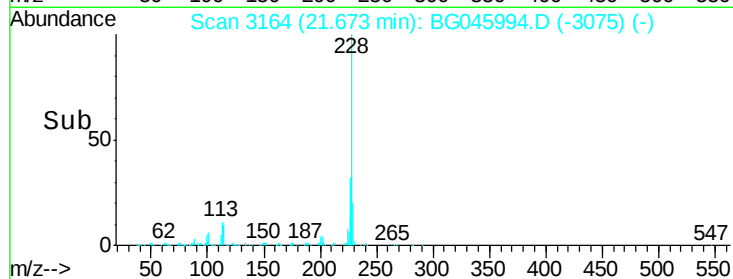
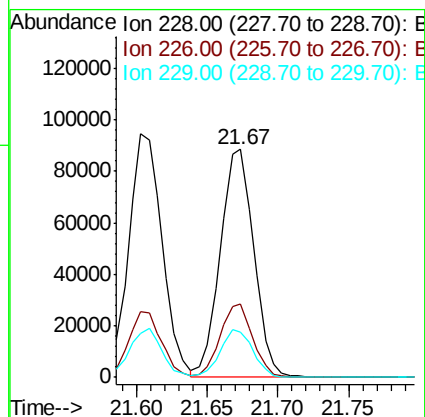
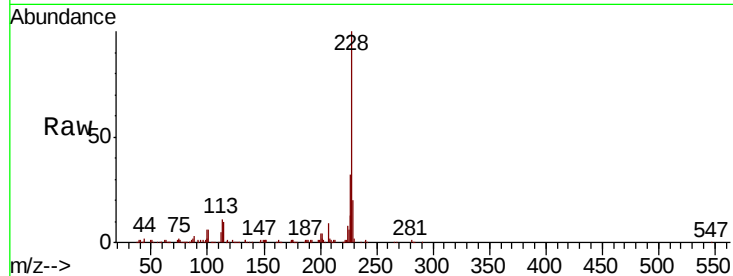


#83
Chrysene
Concen: 3.595 ng
RT: 21.67 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

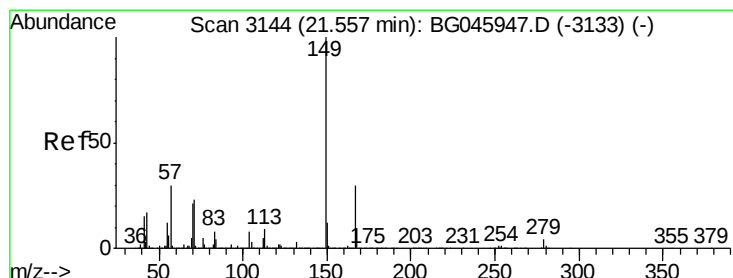
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	26.7	40.1
229	19.6	17.3	25.9

Manual Integrations
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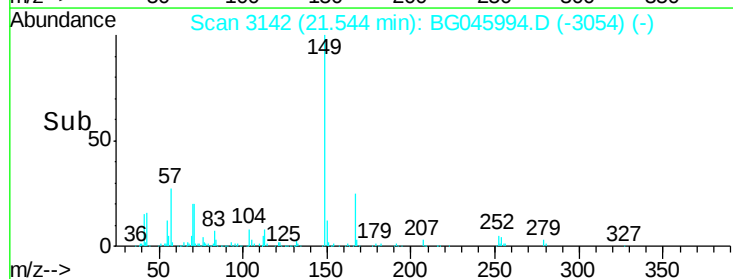
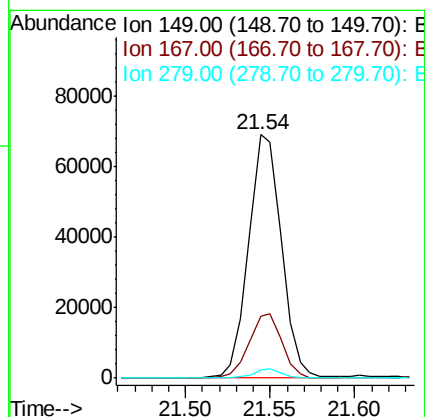
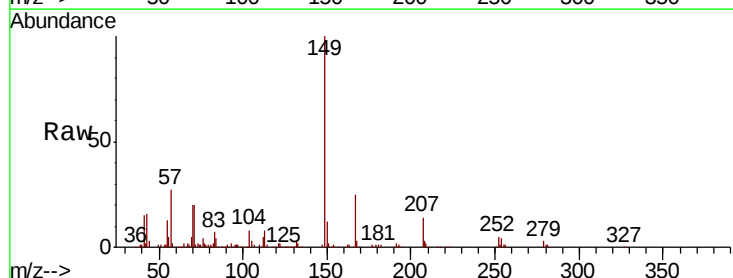
mohammad

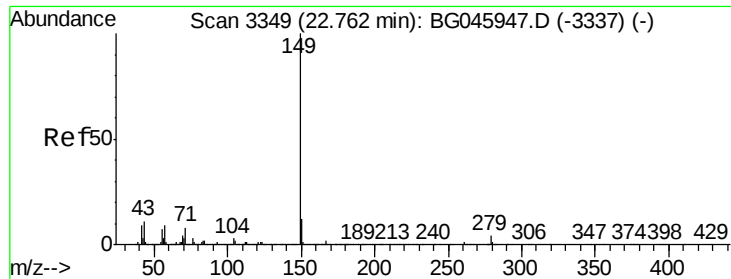
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.116 ng
RT: 21.54 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.2	23.8	35.8
279	3.4	3.5	5.3#



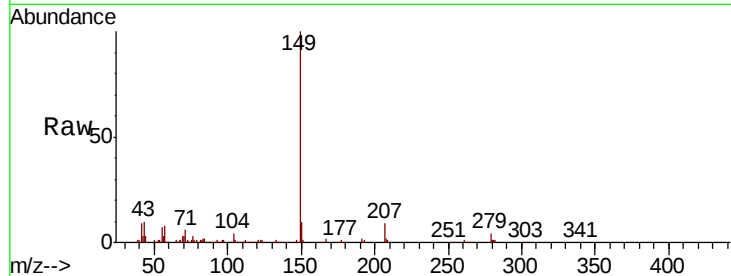


#85
Di-n-octyl phthalate
Concen: 2.813 ng
RT: 22.75 min Scan# 3347
Delta R.T. -0.01 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

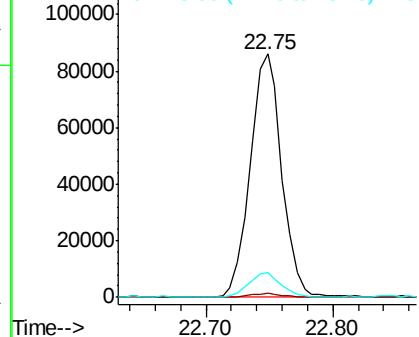
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
149	100	148199		
167	1.6		1.4	2.0
43	10.0		8.6	12.8

Manual Integrations
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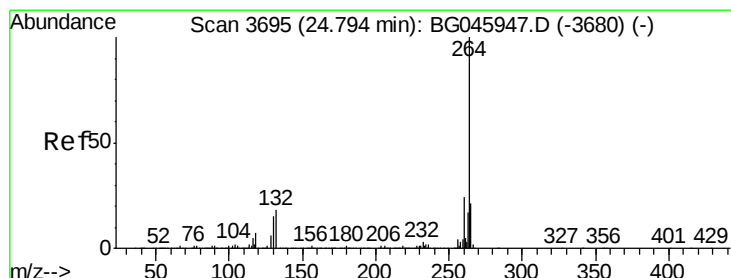
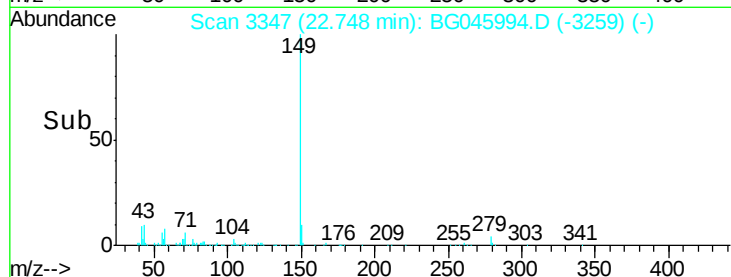


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC



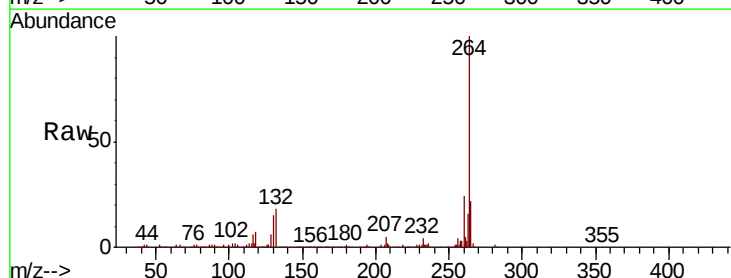
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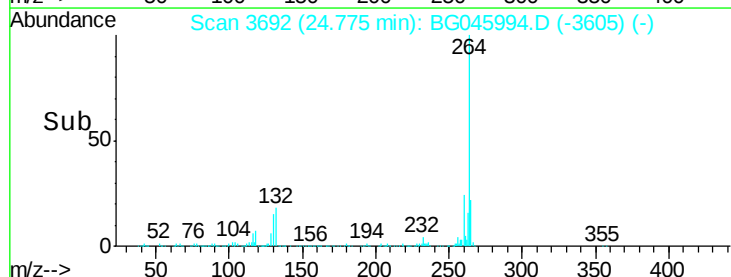
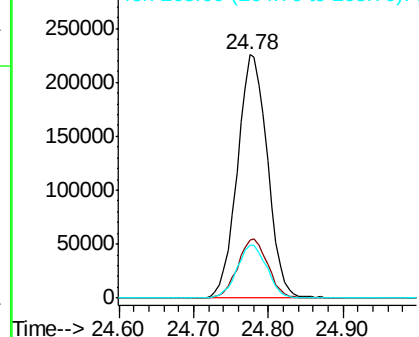


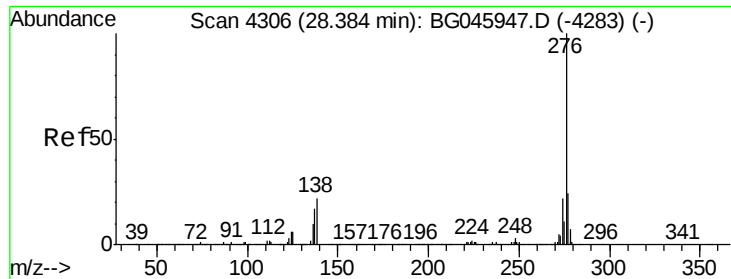
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3692
Delta R.T. -0.02 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	630548		
260	23.8		19.0	28.6
265	21.7		16.9	25.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



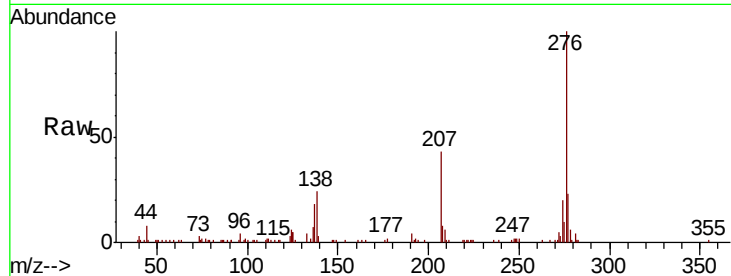


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.453 ng
RT: 28.34 min Scan# 4299
Delta R.T. -0.04 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	16.4	24.6
277	19.2	20.6	31.0

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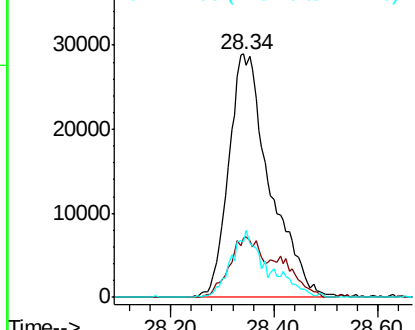


Abundance

Ion 276.00 (275.70 to 276.70): E

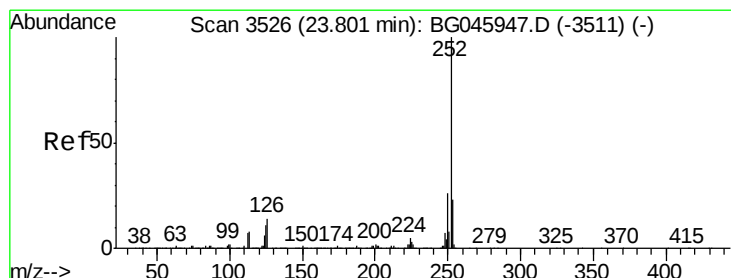
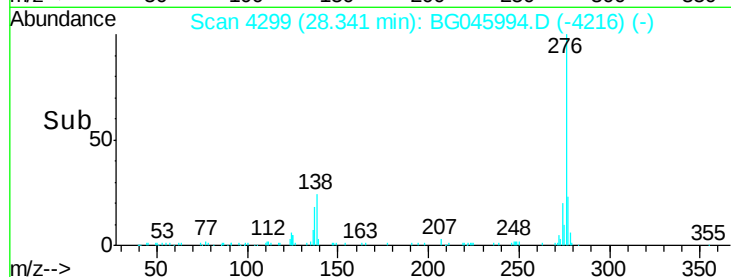
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



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#88
Benzo(b)fluoranthene
Concen: 3.619 ng
RT: 23.78 min Scan# 3522
Delta R.T. -0.03 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

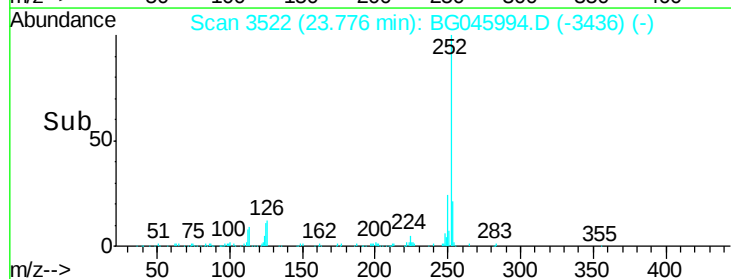
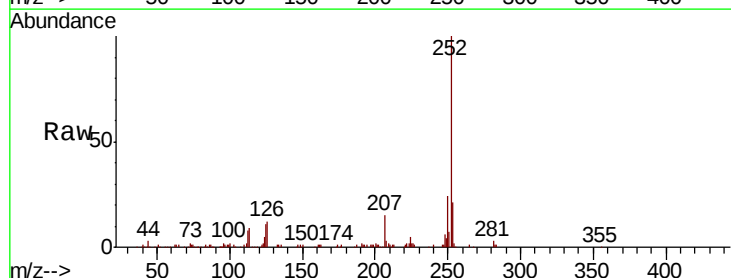
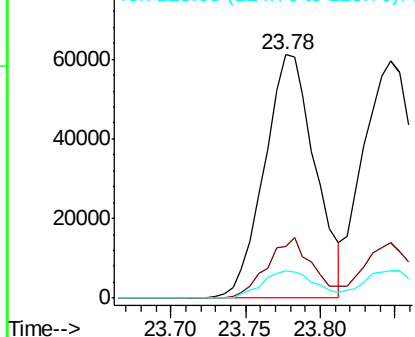
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.5	27.7
125	11.5	9.2	13.8

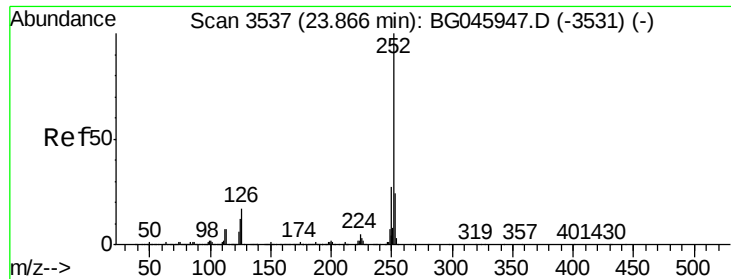
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



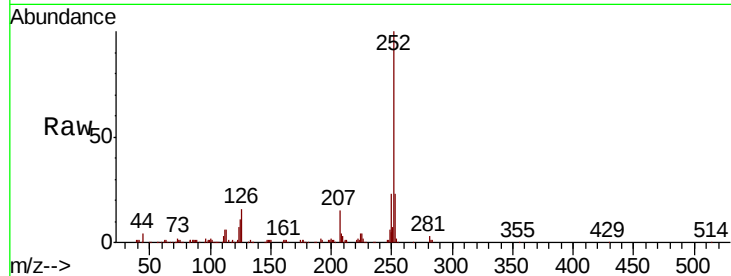


#89
Benzo(k)fluoranthene
Concen: 3.906 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

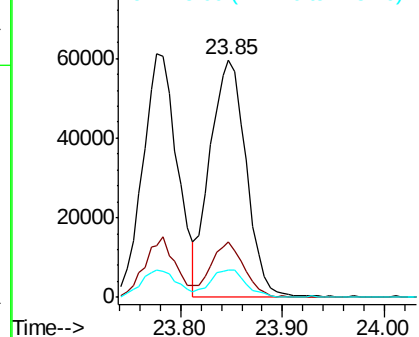
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.9	28.3
125	11.3	9.6	14.4

Manual Integrations
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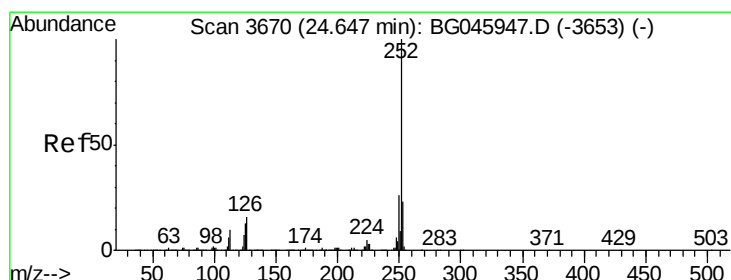
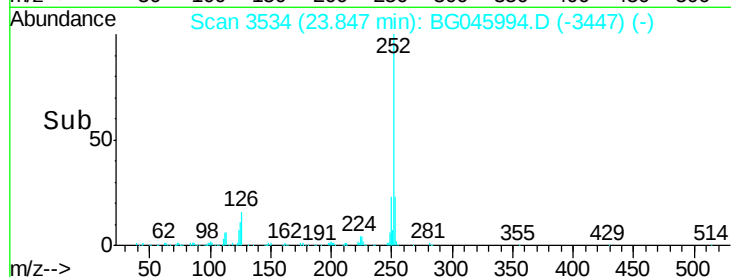


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



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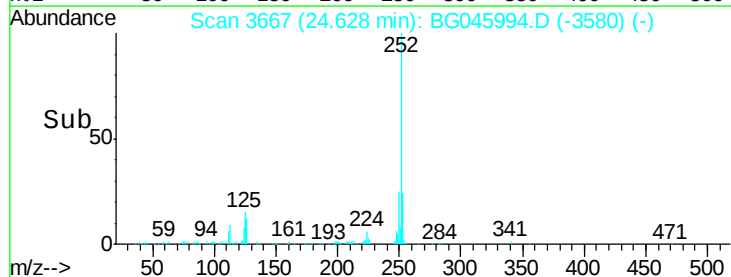
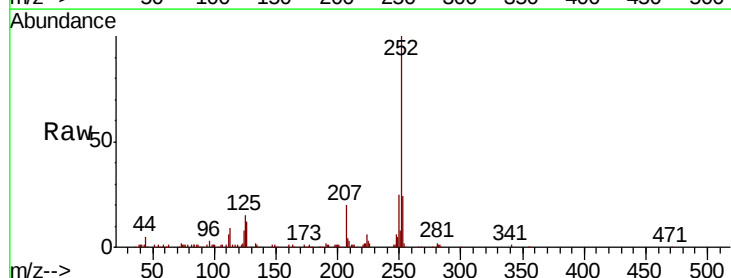
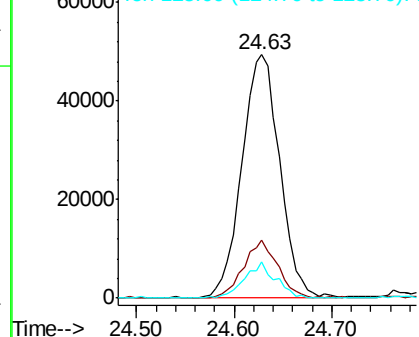
7/10/2020 11:47:08 AM

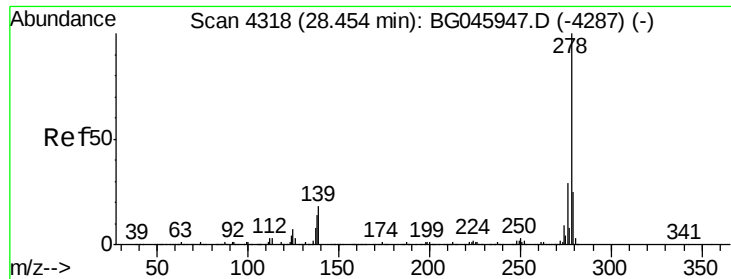


#90
Benzo(a)pyrene
Concen: 3.549 ng
RT: 24.63 min Scan# 3667
Delta R.T. -0.02 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.6	28.0
125	15.1	10.5	15.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



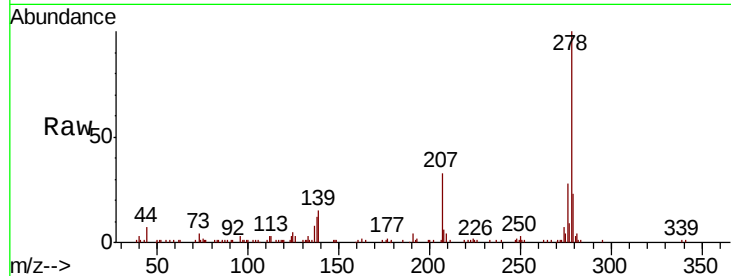


#91
Dibenzo(a,h)anthracene
Concen: 3.641 ng
RT: 28.42 min Scan# 4312
Delta R.T. -0.04 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

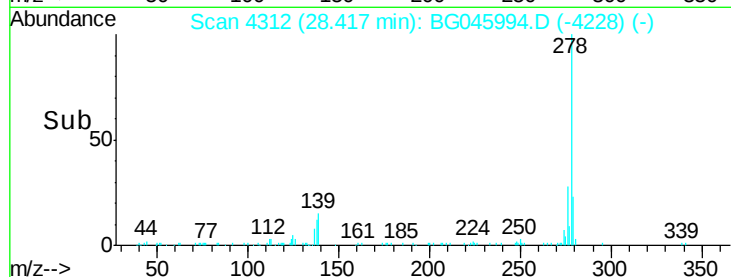
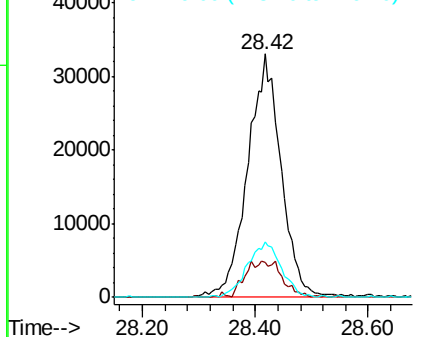
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.6	14.3	21.5
279	22.6	19.8	29.6

Manual Integrations
APPROVED

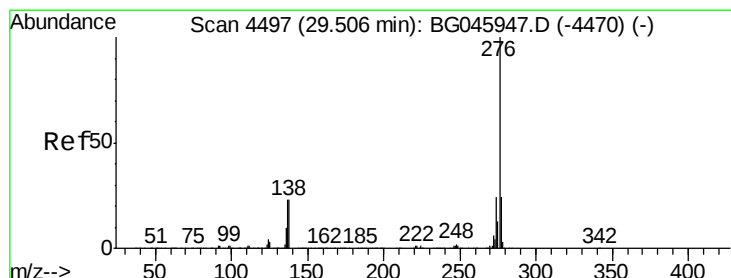


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



mohammad

7/10/2020 11:47:08 AM



#92
Benzo(g,h,i)perylene
Concen: 3.622 ng
RT: 29.45 min Scan# 4488
Delta R.T. -0.05 min
Lab File: BG045994.D
Acq: 9 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	23.1	18.6	28.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

