

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073019\
 Data File : BG041804.D
 Acq On : 30 Jul 2019 16:37
 Operator : HP/JU
 Sample : K3591-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Manual Integrations
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mohammad
 8/1/2019 5:04:59 PM

Quant Time: Jul 31 08:56:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	86142	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	377053	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	281127	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	645444	20.00	ng	0.00
76) Chrysene-d12	21.73	240	656890	20.00	ng	0.00
87) Perylene-d12	25.01	264	749823	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	447012	100.96	ng	0.00
7) Phenol-d6	7.19	99	611666	102.47	ng	0.00
23) Nitrobenzene-d5	9.21	82	469322	85.66	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	344936	108.02	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1305290	81.89	ng	0.00
79) Terphenyl-d14	20.06	244	2135330	74.38	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	16915	8.117	ng	95
3) Pyridine	3.88	79	35520	6.216	ng	90
4) n-Nitrosodimethylamine	3.79	42	16554	7.307	ng	# 89
6) Aniline	7.36	93	63916	7.605	ng	93
8) 2-Chlorophenol	7.60	128	41137	8.114	ng	94
9) Benzaldehyde	7.17	77	37323	8.886	ng	95
10) Phenol	7.21	94	49737	8.009	ng	95
11) bis(2-Chloroethyl)ether	7.46	93	38648	7.571	ng	98
12) 1,3-Dichlorobenzene	7.94	146	51089	7.721	ng	97
13) 1,4-Dichlorobenzene	8.08	146	51320	7.751	ng	95
14) 1,2-Dichlorobenzene	8.40	146	49353	7.812	ng	95
15) Benzyl Alcohol	8.28	79	36056	7.678	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.58	45	69211	7.620	ng	98
17) 2-Methylphenol	8.48	107	36068	7.986	ng	97
18) Hexachloroethane	9.14	117	17651	7.785	ng	96
19) n-Nitroso-di-n-propylamine	8.85	70	34423	7.943	ng	93
20) 3+4-Methylphenols	8.81	107	47697	7.718	ng	95
22) Acetophenone	8.87	105	66238	7.854	ng	# 90
24) Nitrobenzene	9.25	77	48492	8.401	ng	97
25) Isophorone	9.78	82	93988	7.886	ng	98
26) 2-Nitrophenol	9.97	139	21203	7.915	ng	99
27) 2,4-Dimethylphenol	10.03	122	41021	8.676	ng	96
28) bis(2-Chloroethoxy)methane	10.26	93	56284	7.557	ng	98
29) 2,4-Dichlorophenol	10.51	162	43430	7.543	ng	96
30) 1,2,4-Trichlorobenzene	10.73	180	55815	7.644	ng	98
31) Naphthalene	10.92	128	140539	8.144	ng	98
32) Benzoic acid	10.11	122	7563	2.593	ng	95
33) 4-Chloroaniline	11.02	127	60772	7.426	ng	96
34) Hexachlorobutadiene	11.22	225	35666	7.237	ng	94
35) Caprolactam	11.76	113	15932	7.962	ng	# 73
36) 4-Chloro-3-methylphenol	12.14	107	47054	8.243	ng	93
37) 2-Methylnaphthalene	12.53	142	112237	8.217	ng	99
38) 1-Methylnaphthalene	12.74	142	106549	8.231	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.90	216	70422	7.914	ng	# 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.88	237	34831	6.962	ng	100
43) 2,4,6-Trichlorophenol	13.13	196	41472	7.374	ng	95
44) 2,4,5-Trichlorophenol	13.20	196	46026	7.875	ng	91
46) 1,1'-Biphenyl	13.53	154	145632	8.059	ng	96
47) 2-Chloronaphthalene	13.58	162	117712	7.651	ng	95
48) 2-Nitroaniline	13.77	65	29620	7.590	ng	94
49) Acenaphthylene	14.42	152	193984	8.429	ng	# 93
50) Dimethylphthalate	14.15	163	158063	8.233	ng	97
51) 2,6-Dinitrotoluene	14.26	165	33428	8.326	ng	92
52) Acenaphthene	14.76	154	115641	7.725	ng	97
53) 3-Nitroaniline	14.59	138	31817	7.408	ng	# 90
54) 2,4-Dinitrophenol	14.79	184	7898	4.120	ng	# 76
55) Dibenzofuran	15.10	168	199257	8.703	ng	90
56) 4-Nitrophenol	14.89	139	21995	6.746	ng	92
57) 2,4-Dinitrotoluene	15.05	165	45537	8.248	ng	95
58) Fluorene	15.75	166	156645	8.525	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.32	232	44742	7.729	ng	# 94
60) Diethylphthalate	15.52	149	159682	8.471	ng	97
61) 4-Chlorophenyl-phenylether	15.74	204	91316	8.141	ng	92
62) 4-Nitroaniline	15.75	138	38140	8.198	ng	90
63) Azobenzene	16.03	77	127199	8.261	ng	96
65) 4,6-Dinitro-2-methylphenol	15.82	198	18450	6.518	ng	95
66) n-Nitrosodiphenylamine	15.95	169	146336	8.323	ng	95
67) 4-Bromophenyl-phenylether	16.64	248	60000	7.547	ng	98
68) Hexachlorobenzene	16.76	284	62493	7.513	ng	# 91
69) Atrazine	16.90	200	55343	8.012	ng	97
70) Pentachlorophenol	17.10	266	26530	5.615	ng	97
71) Phenanthrene	17.49	178	274922	8.886	ng	# 92
72) Anthracene	17.58	178	276534m	8.962	ng	
73) Carbazole	17.85	167	241972	8.737	ng	# 92
74) Di-n-butylphthalate	18.42	149	272234	8.671	ng	# 92
75) Fluoranthene	19.50	202	347130	9.231	ng	88
77) Benzidine	19.68	184	144939	6.760	ng	97
78) Pyrene	19.86	202	359156	9.228	ng	# 88
80) Butylbenzylphthalate	20.75	149	114252	7.657	ng	91
81) Benzo(a)anthracene	21.71	228	338180	8.702	ng	89
82) 3,3'-Dichlorobenzidine	21.63	252	129727	8.314	ng	93
83) Chrysene	21.78	228	321901	8.641	ng	# 88
84) Bis(2-ethylhexyl)phthalate	21.63	149	166245	8.077	ng	92
85) Di-n-octyl phthalate	22.87	149	281419	8.124	ng	# 90
86) Indeno(1,2,3-cd)pyrene	28.74	276	371943	7.542	ng	# 87
88) Benzo(b)fluoranthene	23.97	252	342155	8.341	ng	# 95
89) Benzo(k)fluoranthene	24.03	252	333381	8.344	ng	# 92
90) Benzo(a)pyrene	24.85	252	330494	8.401	ng	# 93
91) Dibenzo(a,h)anthracene	28.81	278	314203	8.134	ng	# 96
92) Benzo(g,h,i)perylene	29.90	276	302296	7.833	ng	# 95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 844

Delta R.T. 0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

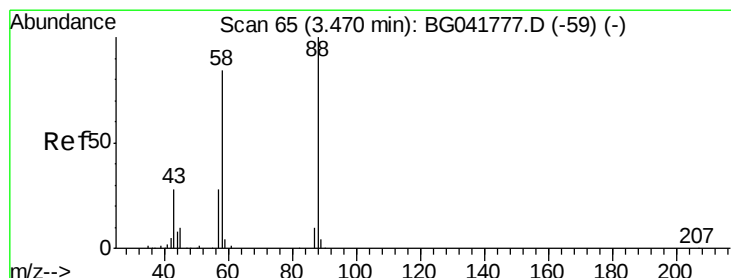
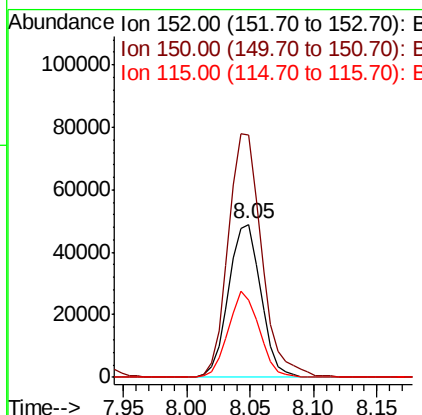
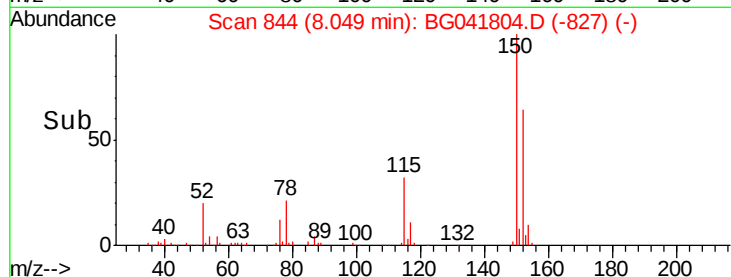
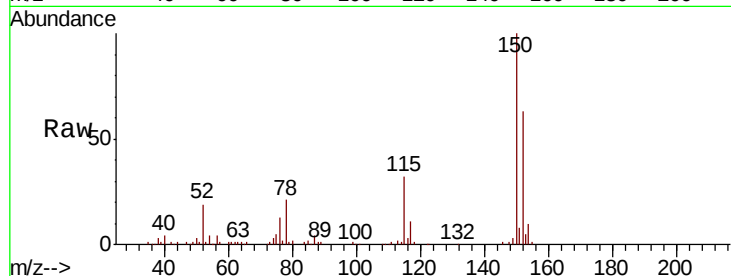
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	152	Resp:	86142
Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.9	190.3
115	50.4	45.0	67.6

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#2

1,4-Dioxane

Concen: 8.117 ng

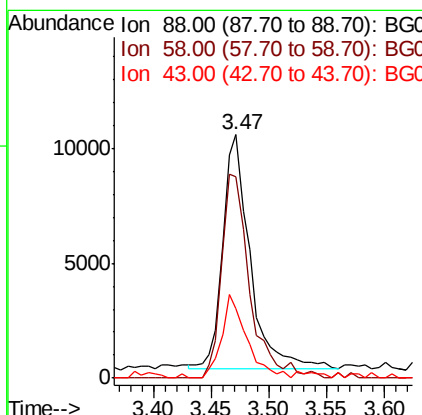
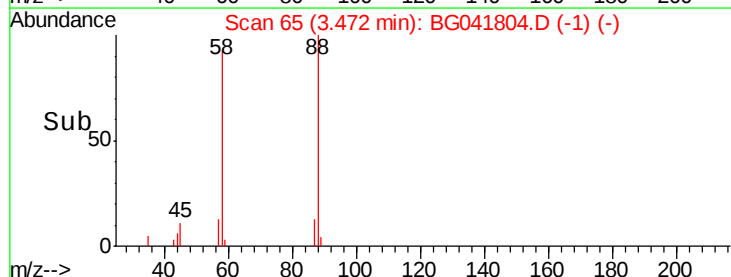
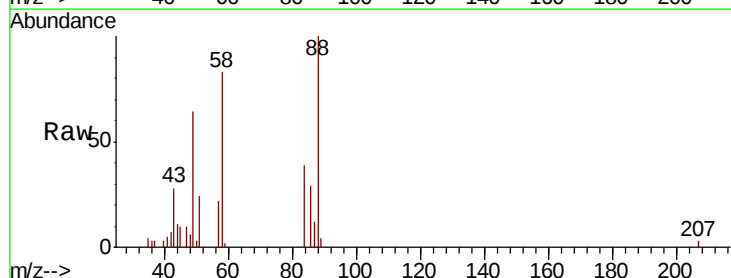
RT: 3.47 min Scan# 65

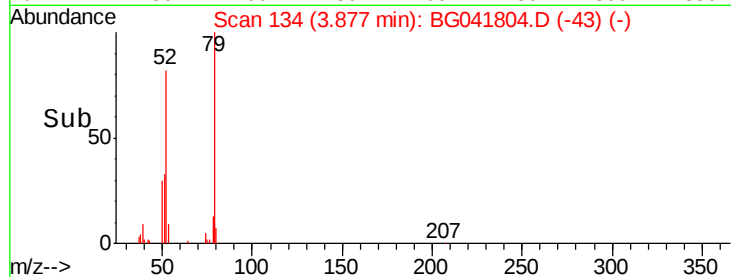
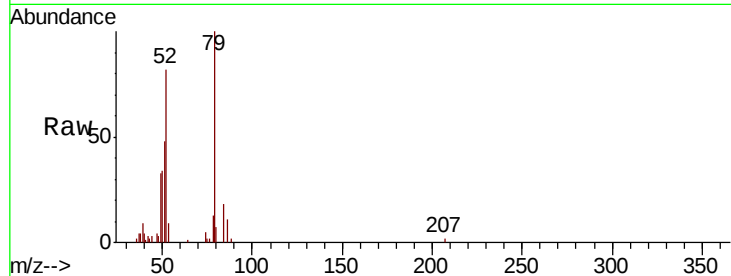
Delta R.T. 0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion:	88	Resp:	16915
Ion	Ratio	Lower	Upper
88	100		
58	89.2	76.2	114.2
43	32.4	27.2	40.8





#3

Pvridine

Concen: 6.216 ng

RT: 3.88 min Scan# 134

Delta R.T. 0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tot Ion:	79	Resp:	35520
Ion	Ratio	Lower	Upper
79	100		
52	81.7	77.1	115.7
51	47.8	37.8	56.8

Instrument :

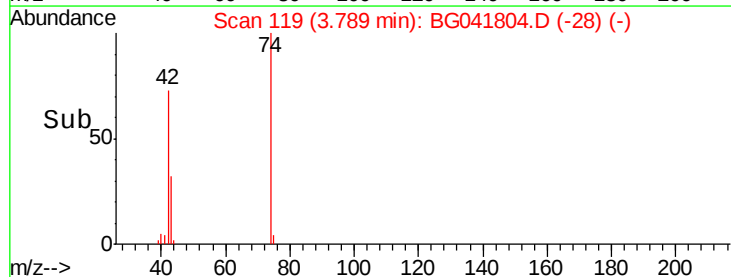
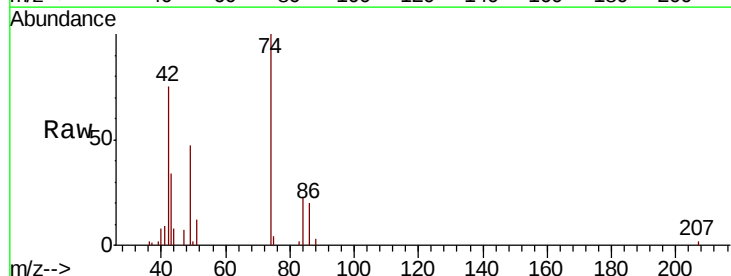
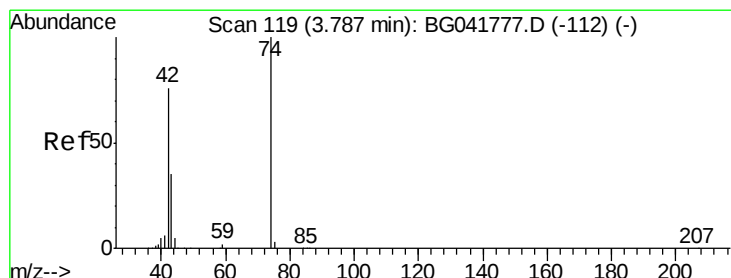
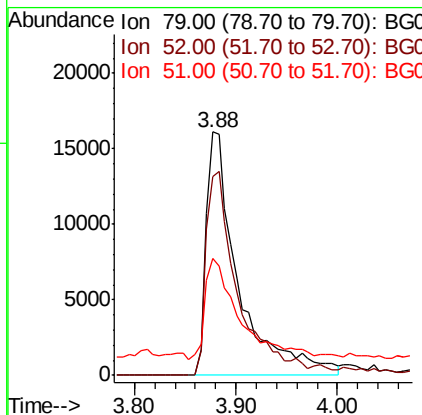
BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 7.307 ng

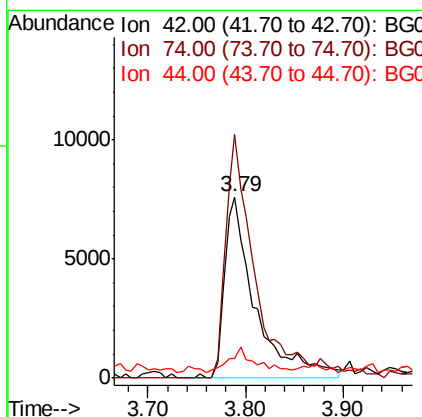
RT: 3.79 min Scan# 119

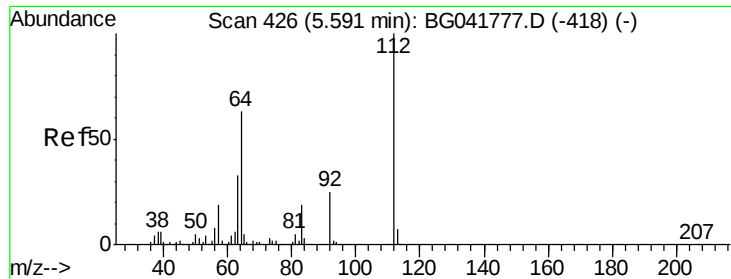
Delta R.T. 0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion:	42	Resp:	16554
Ion	Ratio	Lower	Upper
42	100		
74	134.1	97.4	146.2
44	10.9	6.6	9.8#





#5

2-Fluorophenol

Concen: 100.963 ng

RT: 5.59 min Scan# 425

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

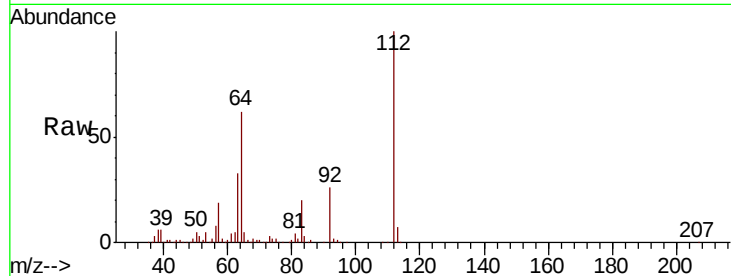
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

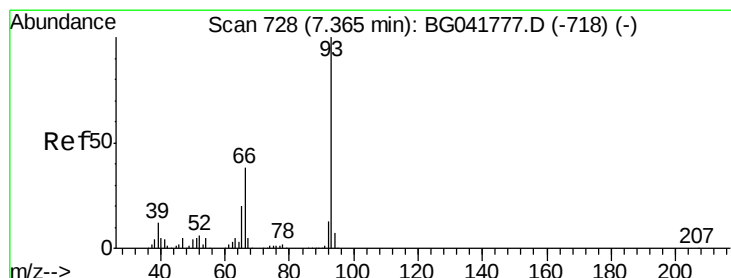
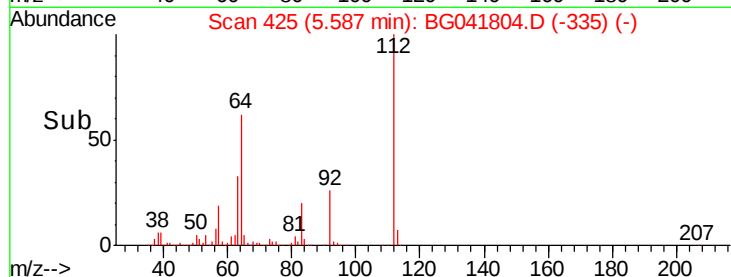
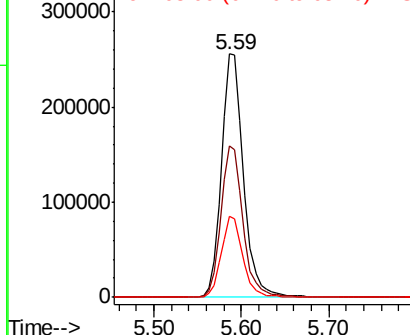
Tot Ion	Ratio	Resp	Lower	Upper
112	100	447012		
64	62.2	55.4	83.2	
63	33.5	29.1	43.7	

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Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 7.605 ng

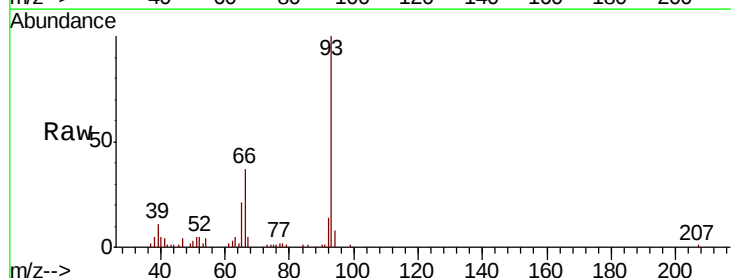
RT: 7.36 min Scan# 727

Delta R.T. -0.00 min

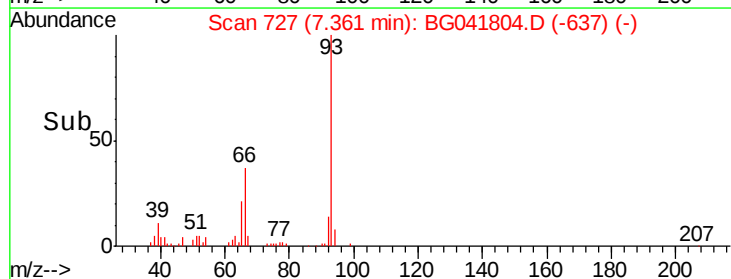
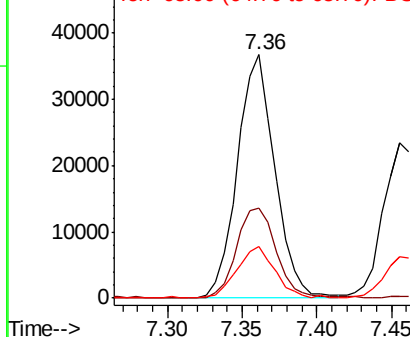
Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	63916		
66	36.8	34.2	51.2	
65	21.1	18.2	27.2	



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 102.474 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

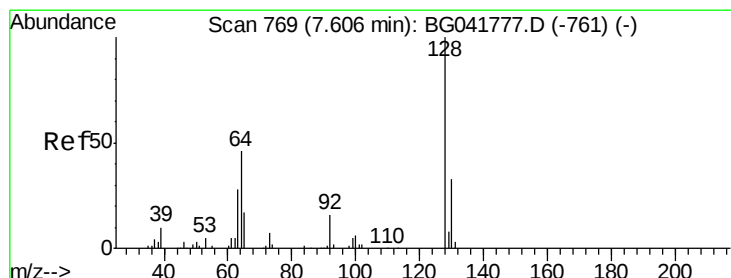
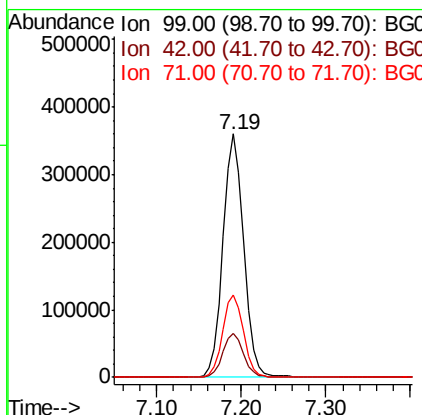
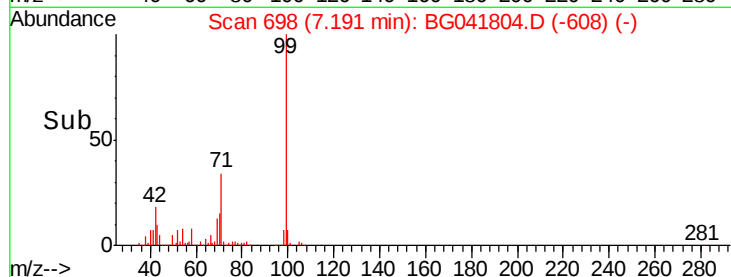
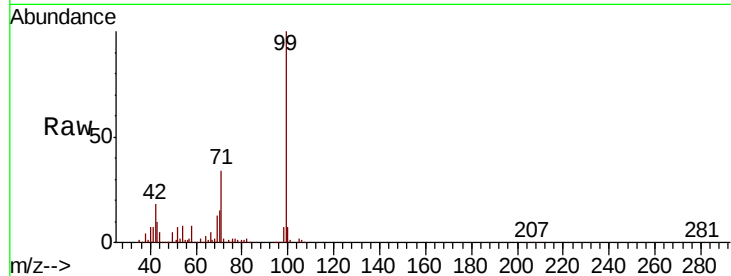
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	99	Resp:	611666
Ion Ratio	Lower	Upper	
99	100		
42	18.0	17.6	26.4
71	33.9	27.8	41.6

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#8

2-Chlorophenol

Concen: 8.114 ng

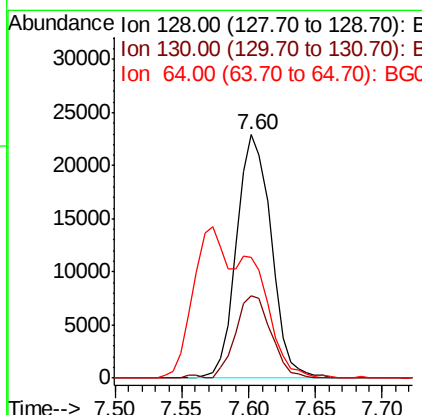
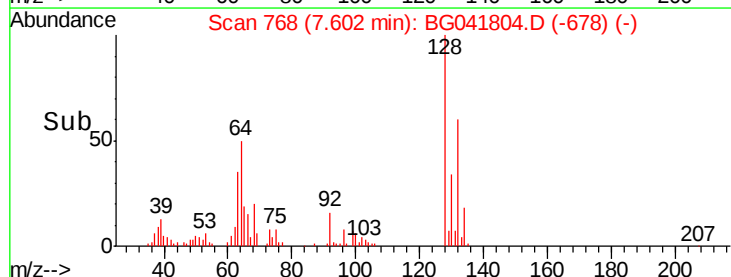
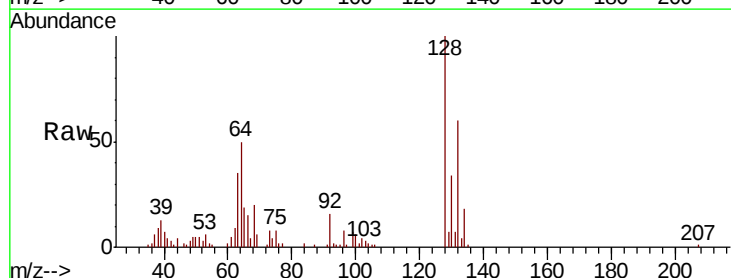
RT: 7.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion:	128	Resp:	41137
Ion Ratio	Lower	Upper	
128	100		
130	33.8	12.4	52.4
64	49.5	34.9	74.9





#9

Benzaldehyde

Concen: 8.886 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

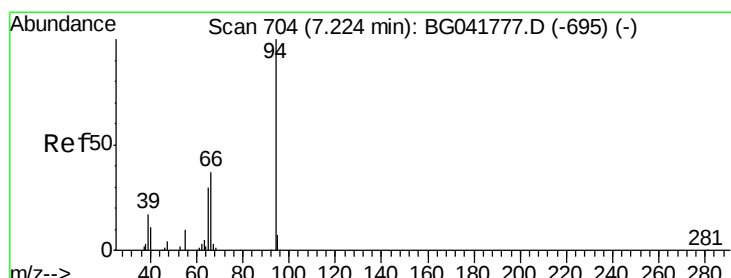
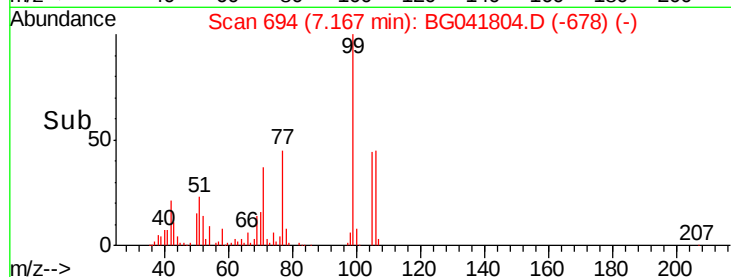
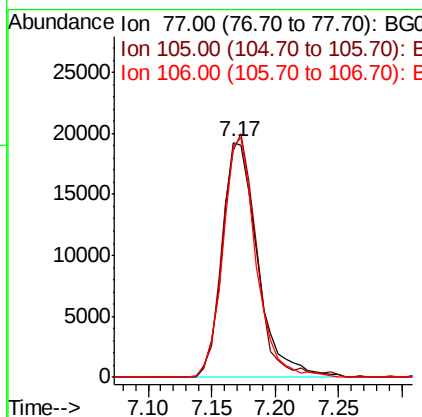
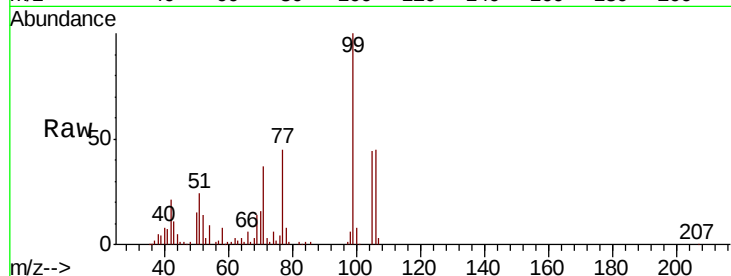
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
77	100		
105	96.7	74.6	114.6
106	98.1	71.1	111.1

Manual Integrations
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#10

Phenol

Concen: 8.009 ng

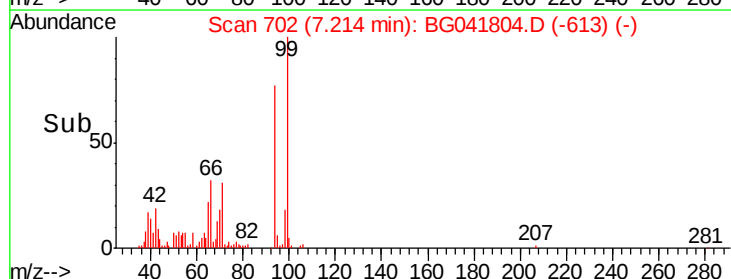
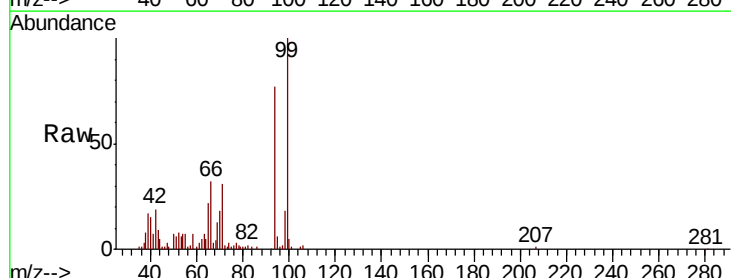
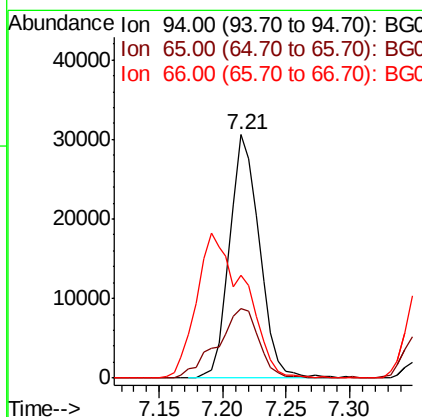
RT: 7.21 min Scan# 702

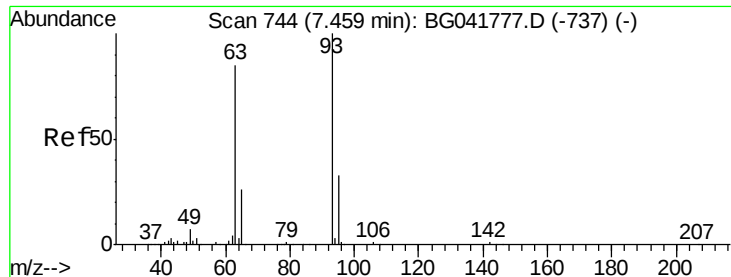
Delta R.T. -0.01 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.7	10.6	50.6
66	42.0	18.2	58.2





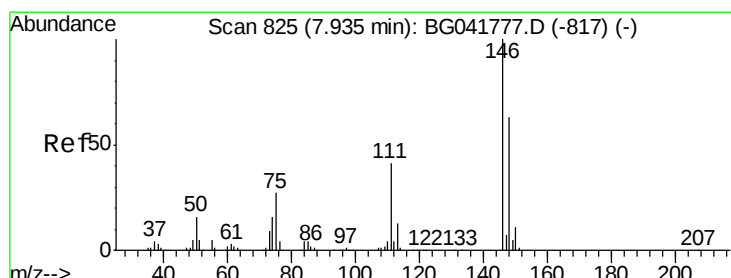
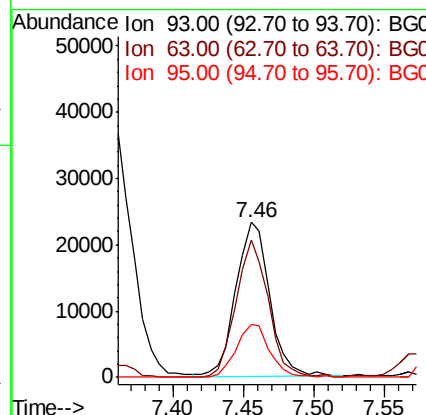
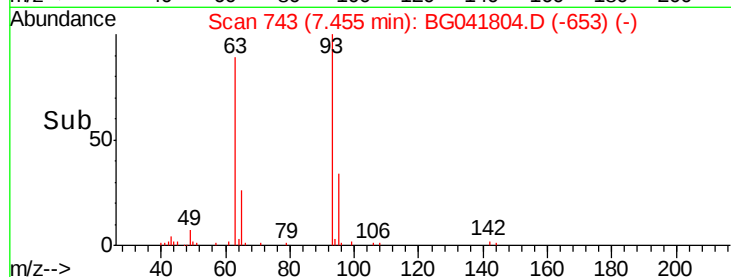
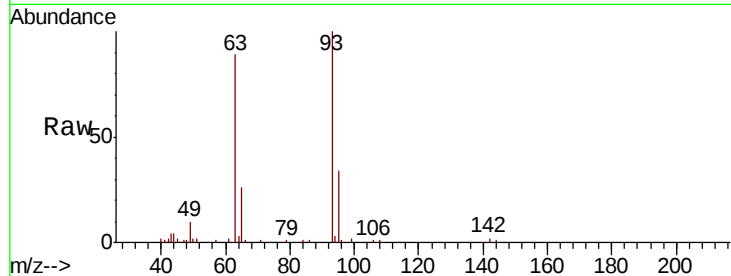
#11
bis(2-Chloroethyl)ether
Concen: 7.571 ng
RT: 7.46 min Scan# 743
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	88.7	70.4	110.4
95	34.1	12.8	52.8

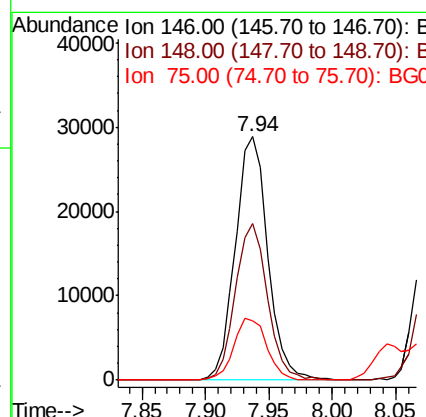
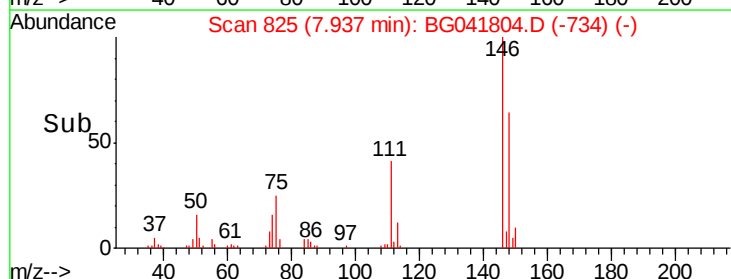
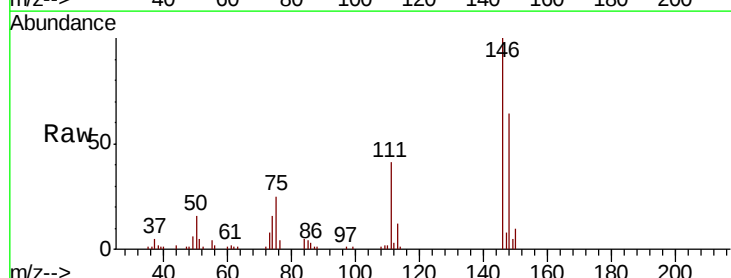
Manual Integrations
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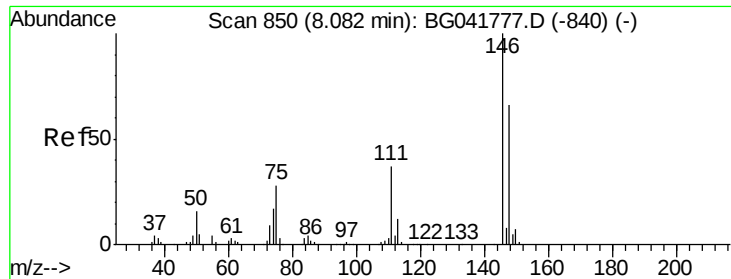
mohammad
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#12
1,3-Dichlorobenzene
Concen: 7.721 ng
RT: 7.94 min Scan# 825
Delta R.T. 0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
75	24.6	23.2	34.8





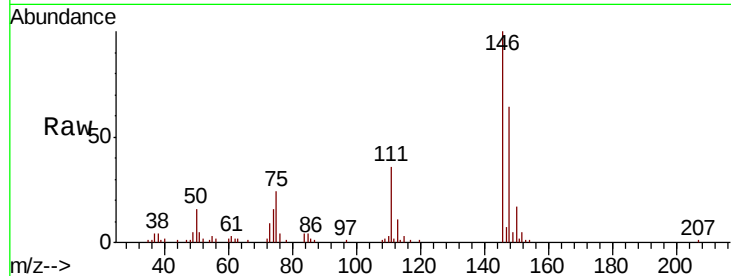
#13
 1,4-Dichlorobenzene
 Concen: 7.751 ng
 RT: 8.08 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.5	52.6	79.0
111	36.2	32.5	48.7

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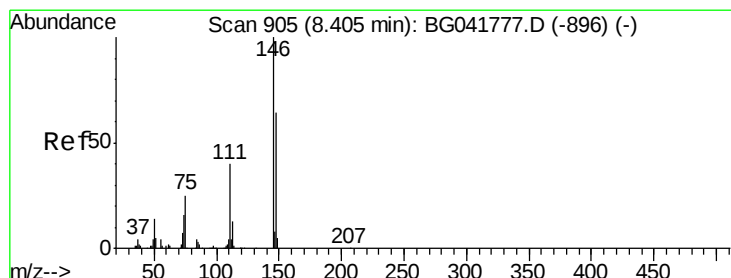
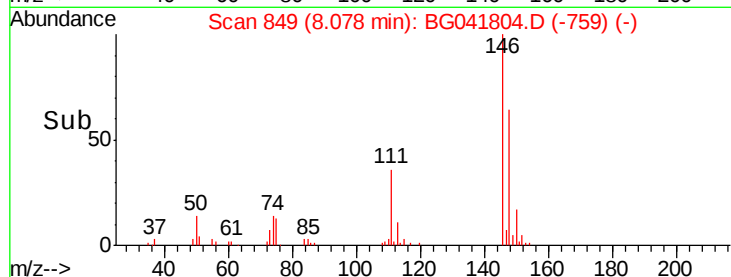
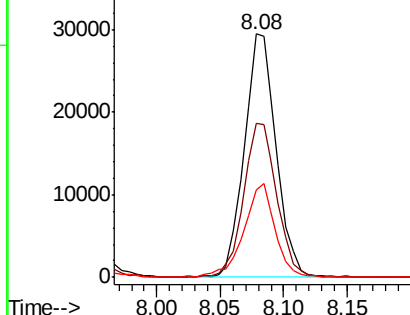


Abundance

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



#14
 1,2-Dichlorobenzene
 Concen: 7.812 ng
 RT: 8.40 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

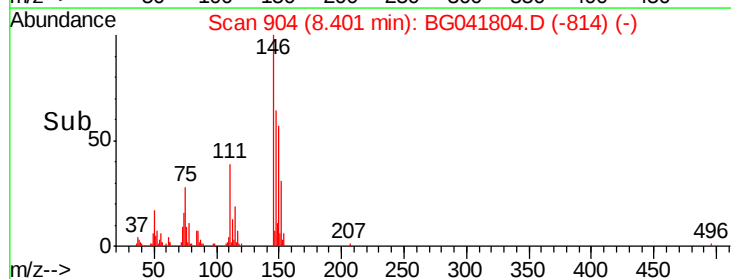
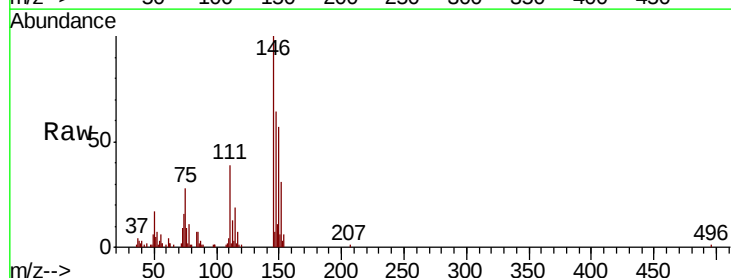
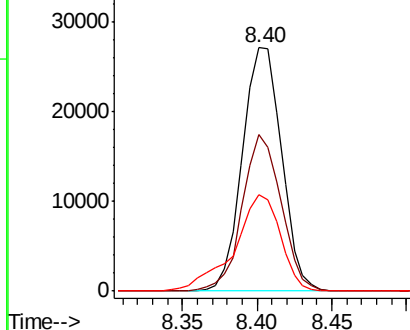
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	53.5	80.3
111	39.4	35.4	53.0

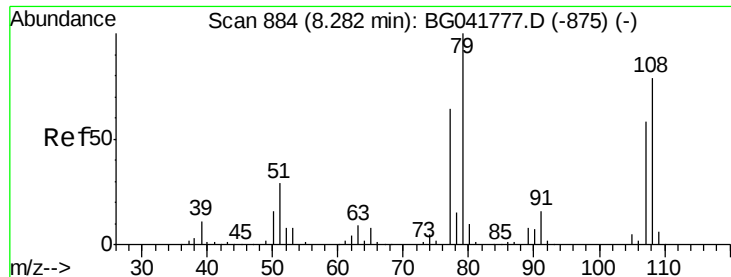
Abundance

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: 7.678 ng

RT: 8.28 min Scan# 883

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

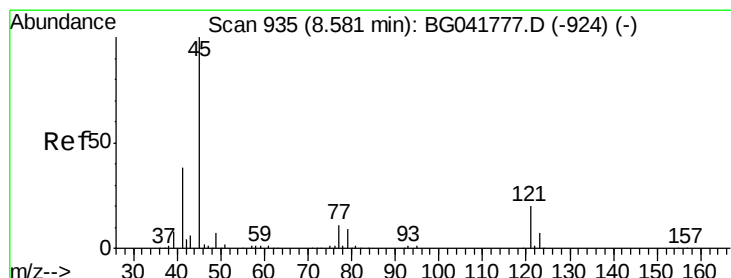
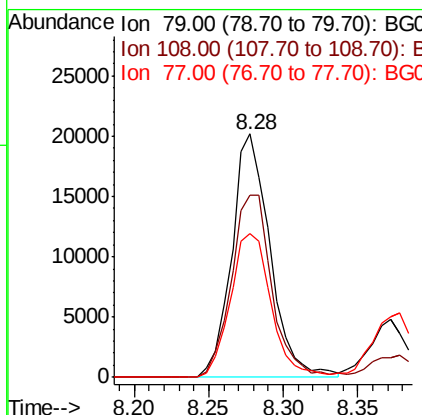
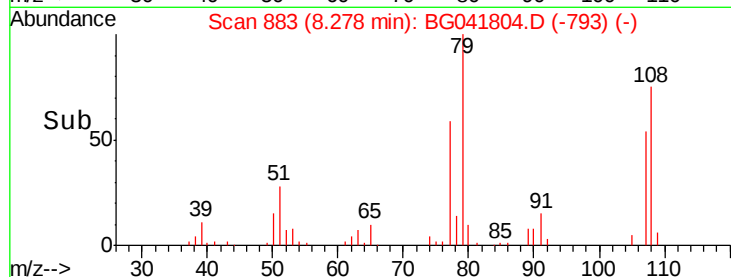
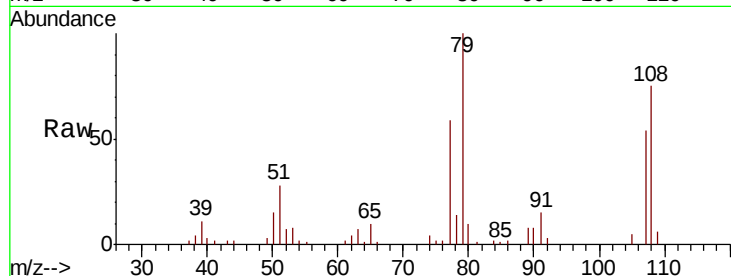
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	79	Resp:	36056
Ion	Ratio	Lower	Upper
79	100		
108	74.6	60.5	90.7
77	58.9	50.6	75.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.620 ng

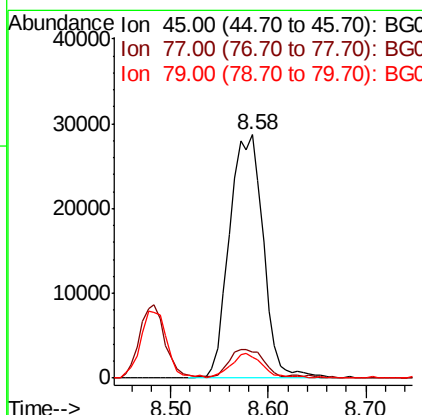
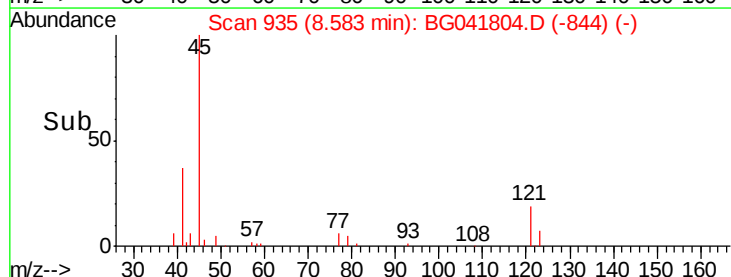
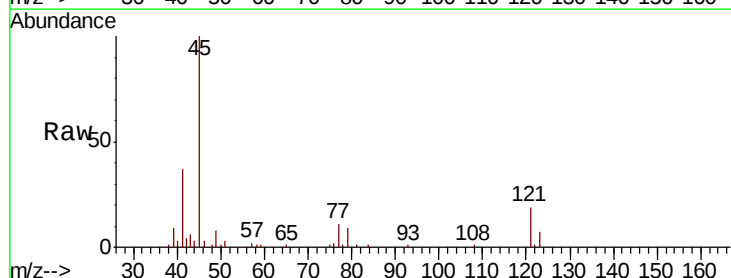
RT: 8.58 min Scan# 935

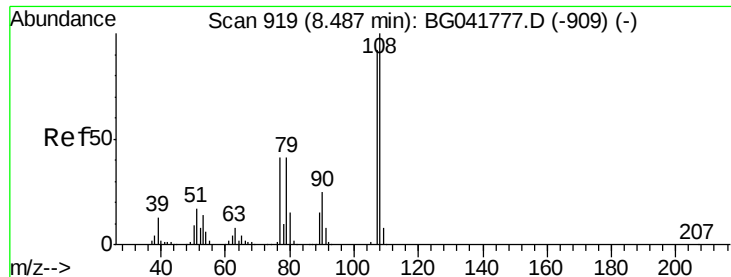
Delta R.T. 0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion:	45	Resp:	69211
Ion	Ratio	Lower	Upper
45	100		
77	10.9	0.0	30.4
79	8.7	0.0	27.9





#17

2-Methylphenol

Concen: 7.986 ng

RT: 8.48 min Scan# 918

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

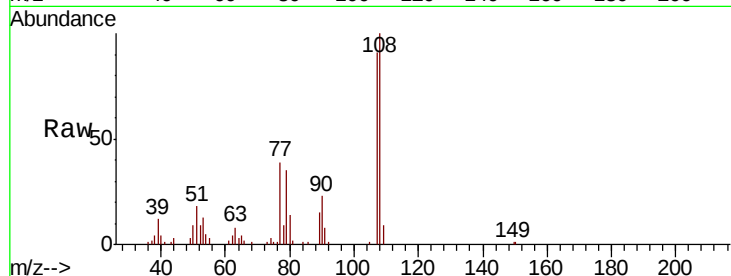
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	107	Resp:	36068
Ion Ratio	Lower	Upper	
107	100		
108	110.4	87.6	131.4
77	43.3	36.1	54.1
79	38.8	36.4	54.6

Manual Integrations
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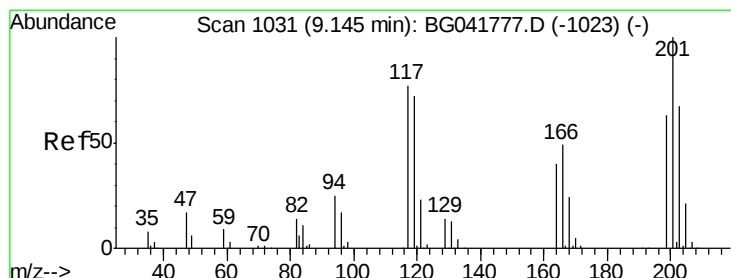
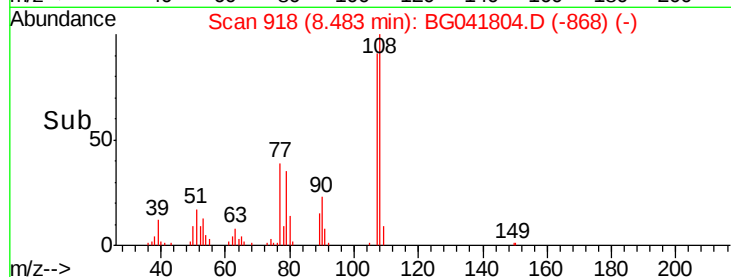
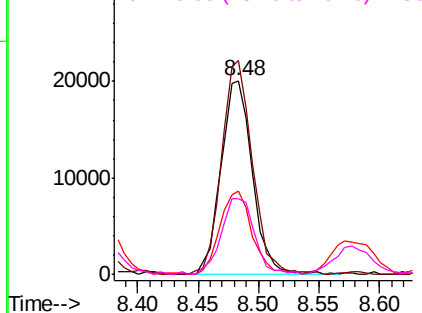
Abundance

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



#18

Hexachloroethane

Concen: 7.785 ng

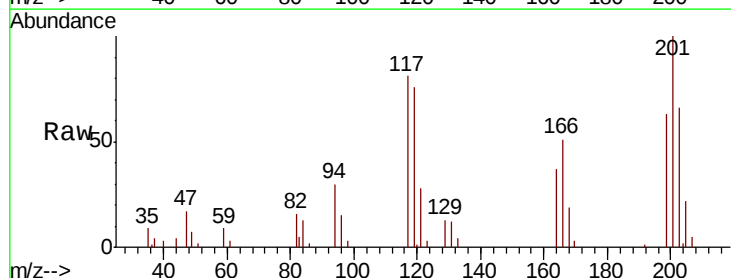
RT: 9.14 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion:	117	Resp:	17651
Ion Ratio	Lower	Upper	
117	100		
119	93.7	76.2	114.2
201	124.1	94.1	141.1

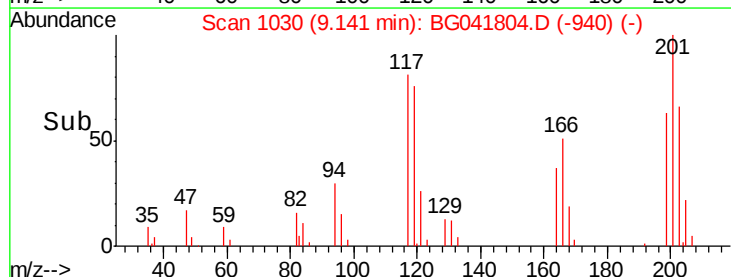
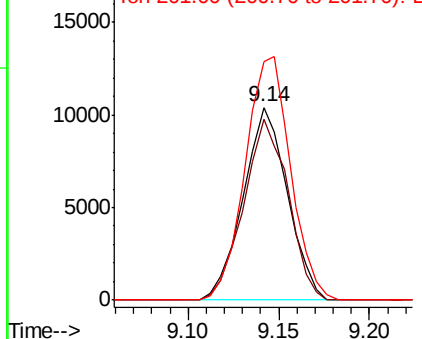


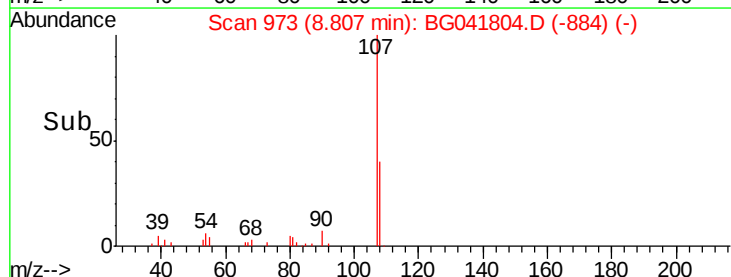
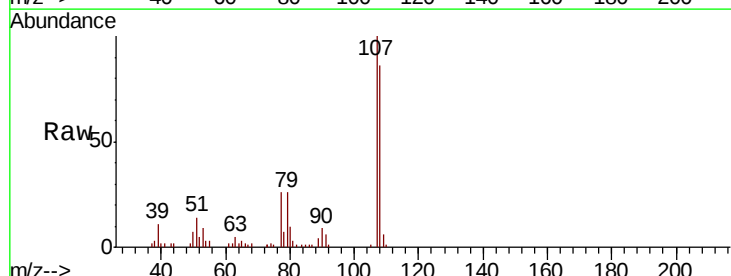
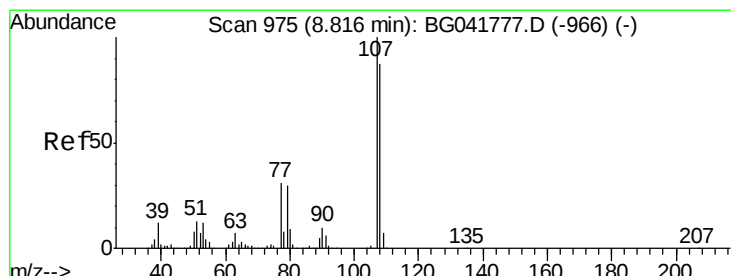
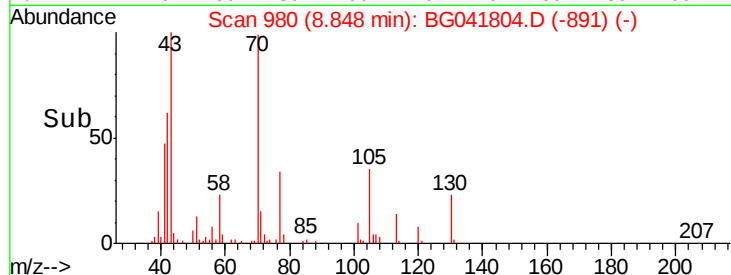
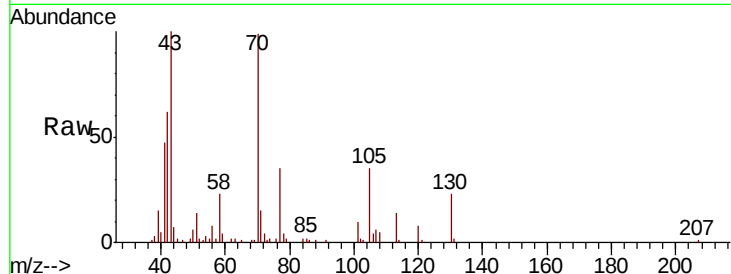
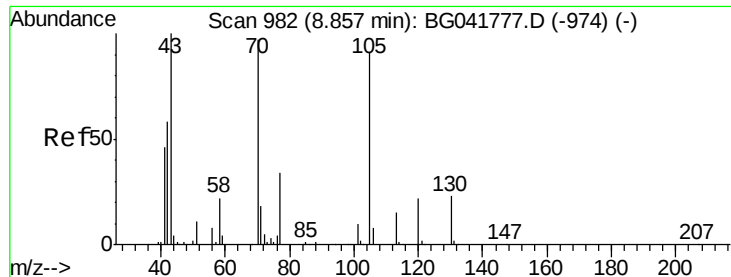
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

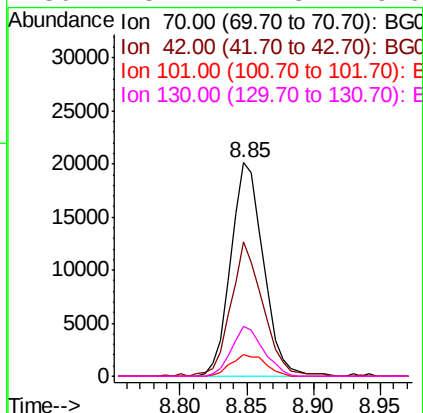
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 7.943 ng
RT: 8.85 min Scan# 980
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	62.9	55.8	83.6	
101	10.0	8.1	12.1	
130	23.4	17.3	25.9	



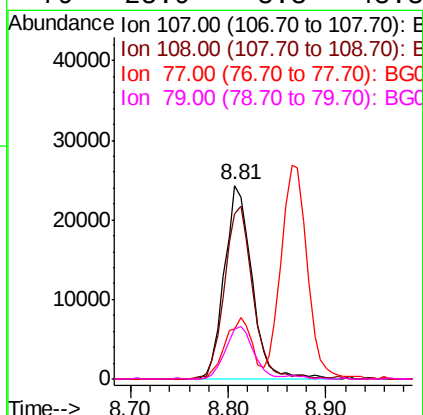
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

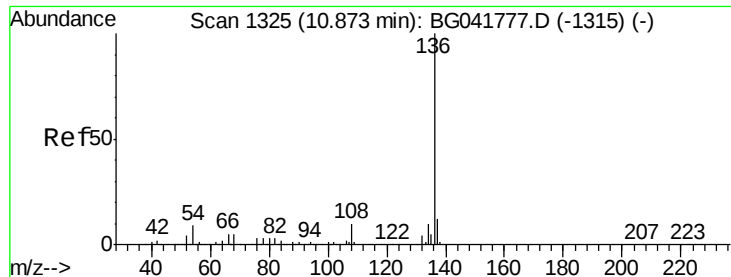
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#20
3+4-Methylphenols
Concen: 7.718 ng
RT: 8.81 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	85.5	67.5	107.5	
77	26.0	12.3	52.3	
79	25.9	8.3	48.3	





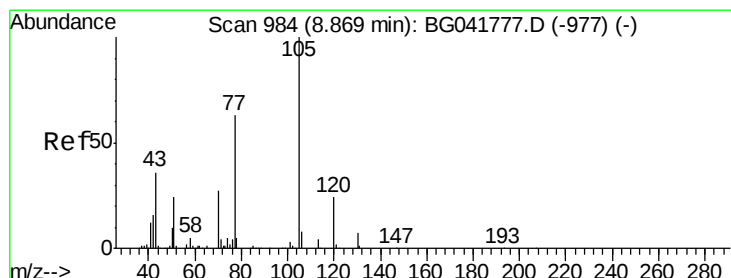
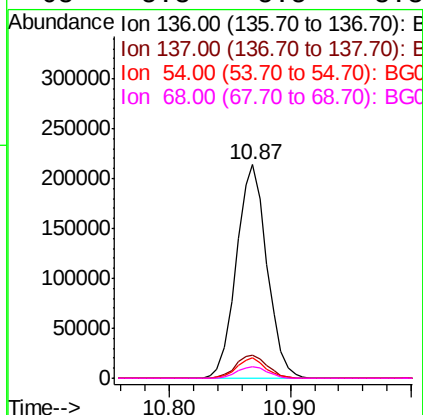
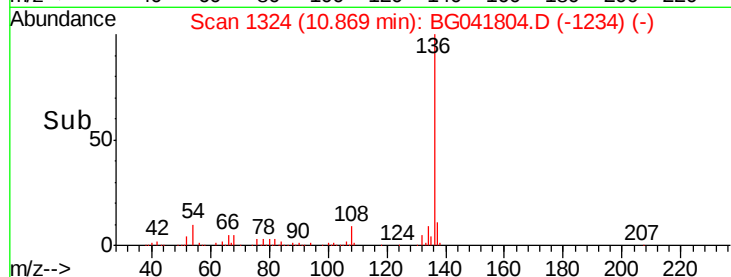
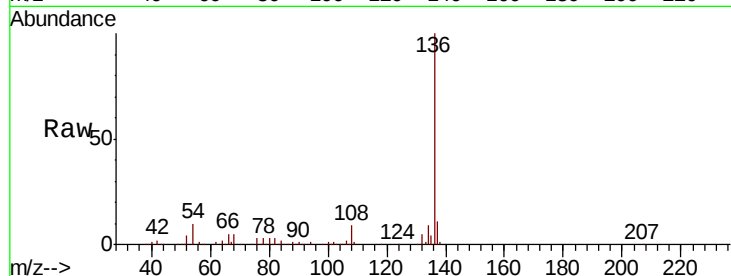
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	9.5	8.7	13.1
68	5.3	5.5	8.3#

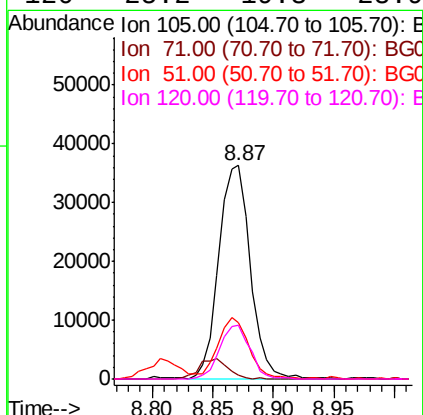
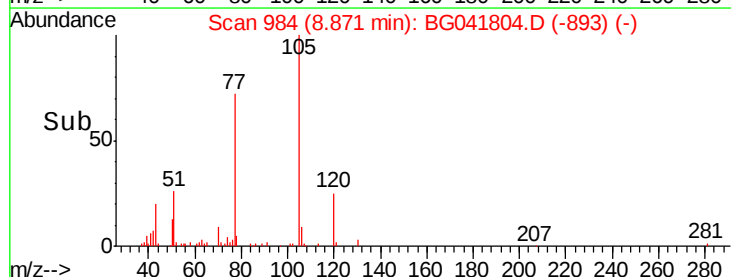
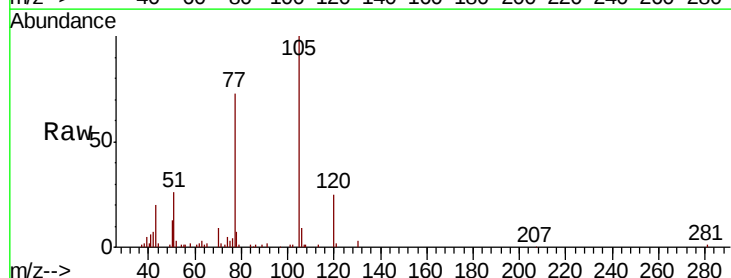
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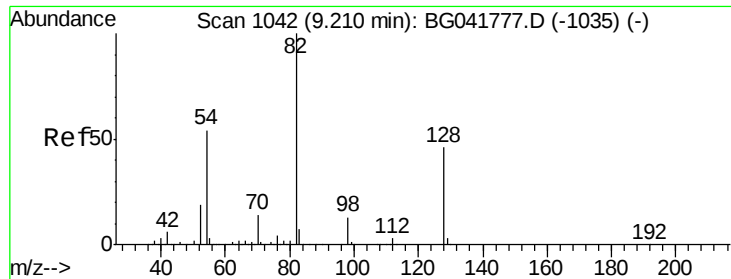
mohammad
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#22
Acetophenone
Concen: 7.854 ng
RT: 8.87 min Scan# 984
Delta R.T. 0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
105	100		
71	1.6	5.9	8.9#
51	26.3	27.7	41.5#
120	25.2	19.3	28.9





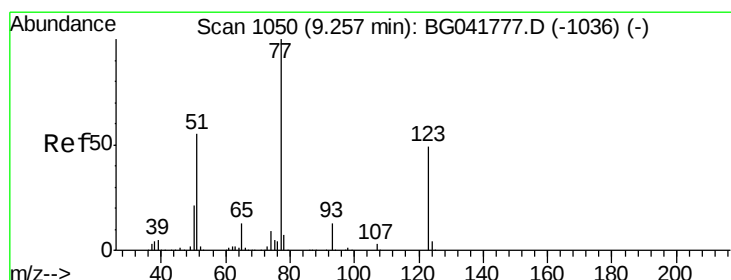
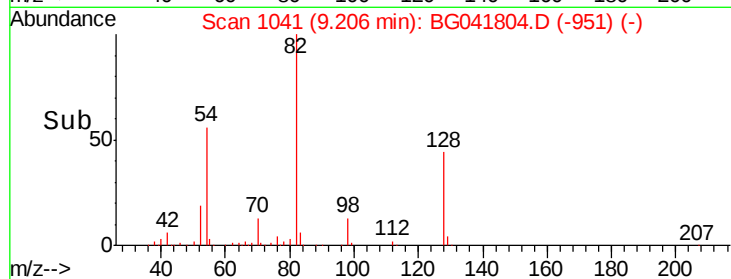
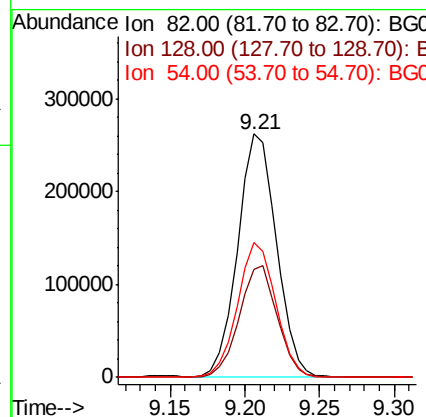
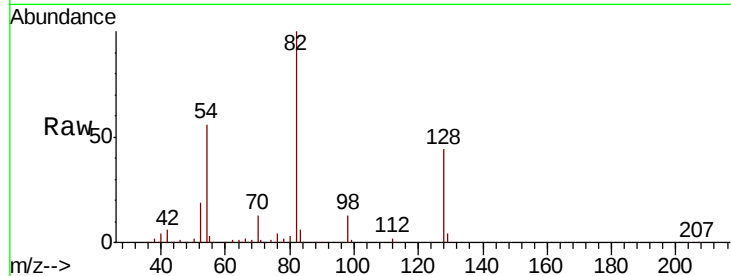
#23
Nitrobenzene-d5
Concen: 85.656 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.1	52.7
54	55.6	48.7	73.1

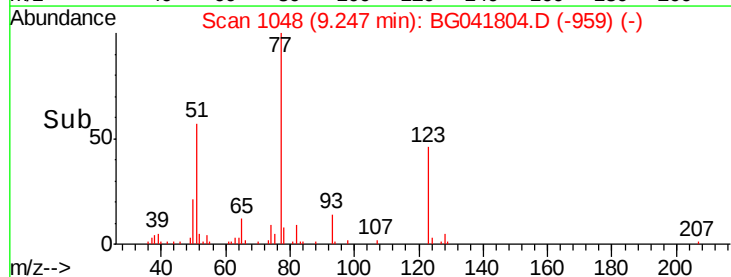
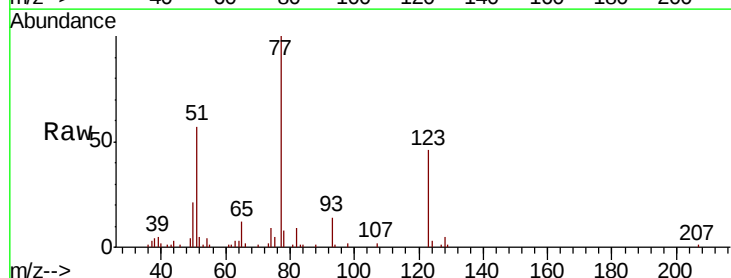
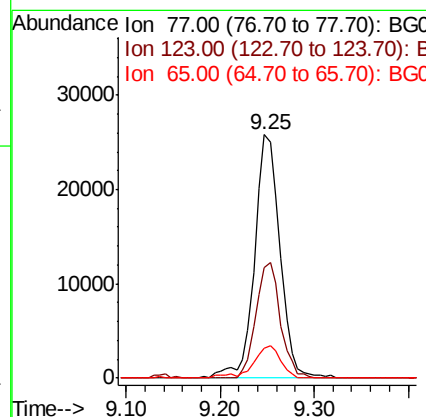
Manual Integrations
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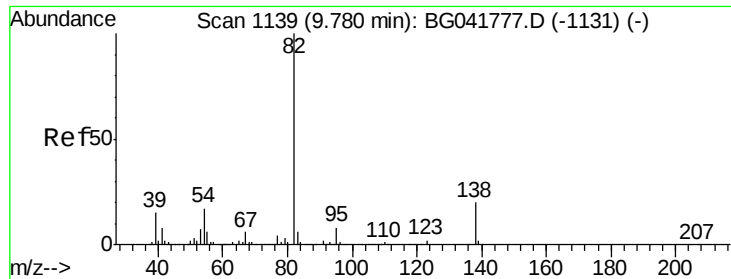
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#24
Nitrobenzene
Concen: 8.401 ng
RT: 9.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.5	38.1	57.1
65	12.0	11.0	16.6





#25

Isophorone

Concen: 7.886 ng

RT: 9.78 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

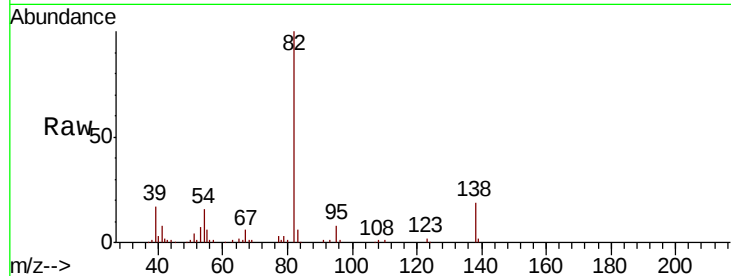
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

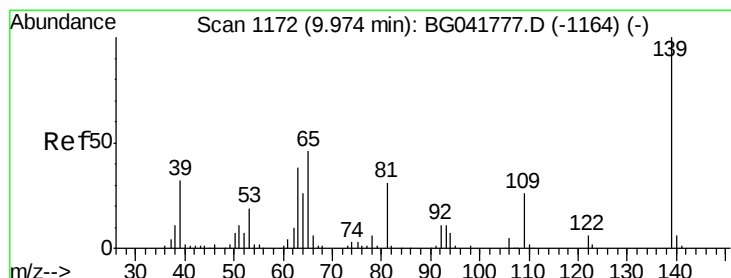
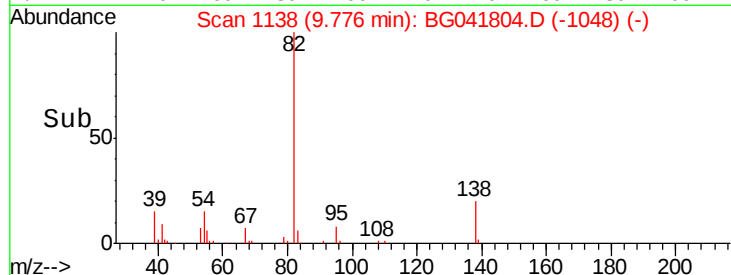
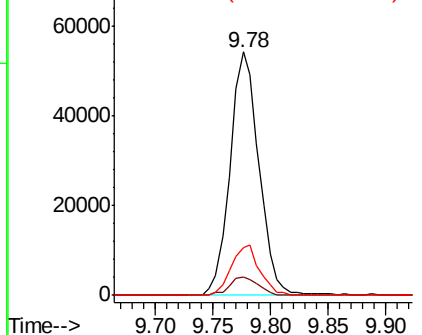
Tot Ion:	82	Resp:	93988
Ion Ratio	Lower	Upper	
82	100		
95	7.8	5.9	8.9
138	19.4	16.3	24.5

Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 7.915 ng

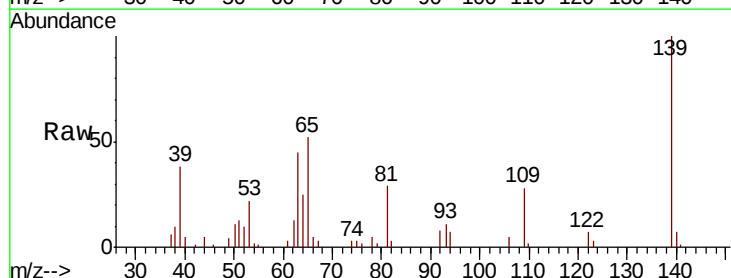
RT: 9.97 min Scan# 1171

Delta R.T. -0.00 min

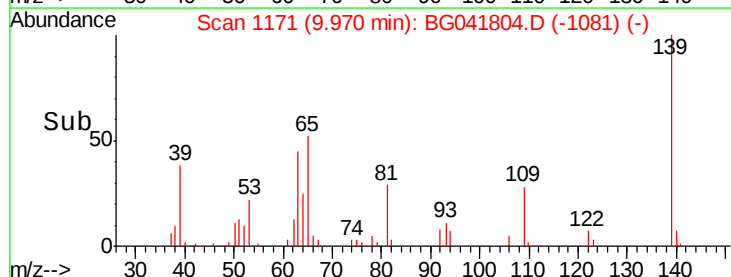
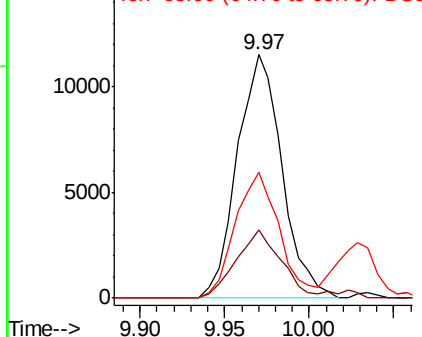
Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion:	139	Resp:	21203
Ion Ratio	Lower	Upper	
139	100		
109	28.2	22.7	34.1
65	51.8	41.1	61.7



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





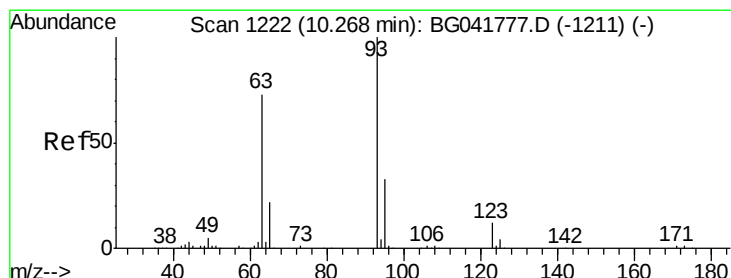
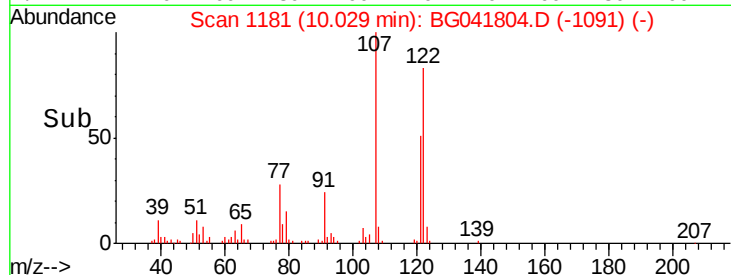
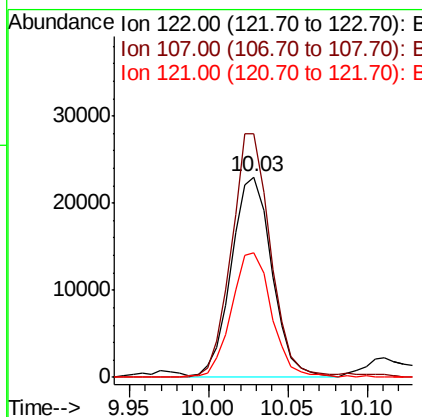
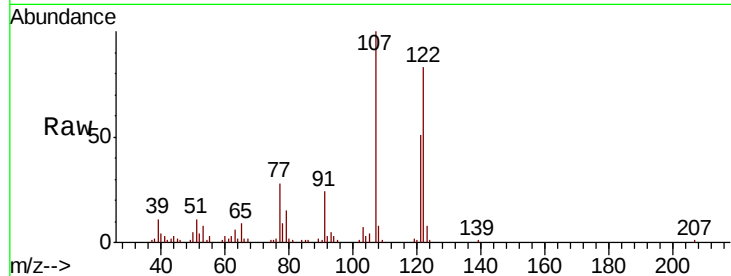
#27
2,4-Dimethylphenol
Concen: 8.676 ng
RT: 10.03 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
122	100		
107	121.1	91.3	136.9
121	62.0	49.2	73.8

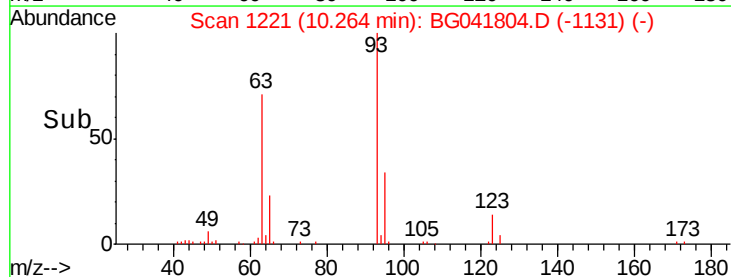
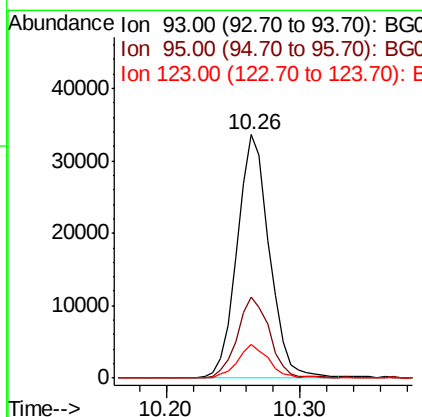
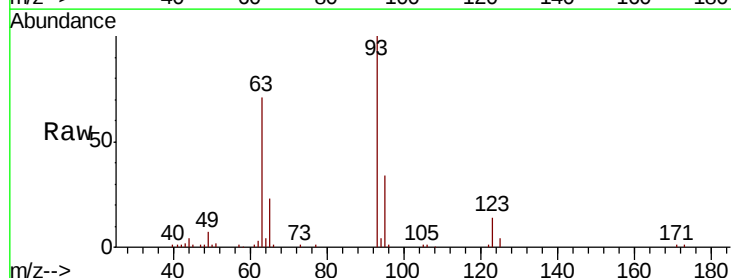
Manual Integrations
APPROVED

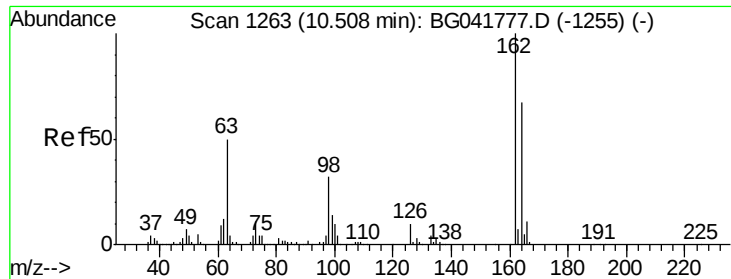
mohammad
8/1/2019 5:04:59 PM



#28
bis(2-Chloroethoxy)methane
Concen: 7.557 ng
RT: 10.26 min Scan# 1221
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.2	39.4
123	14.0	9.9	14.9





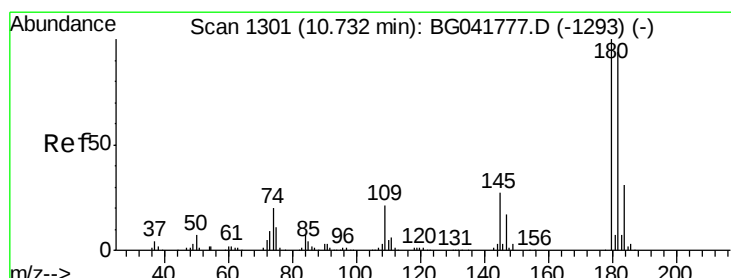
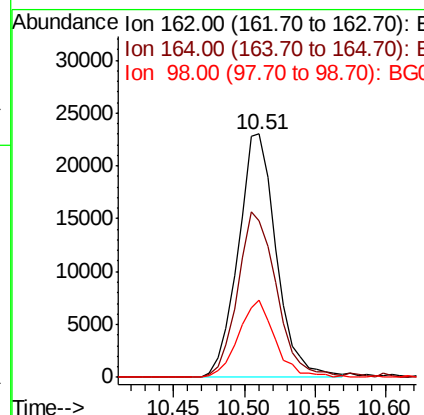
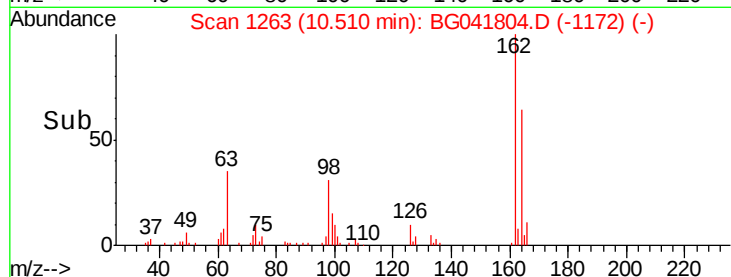
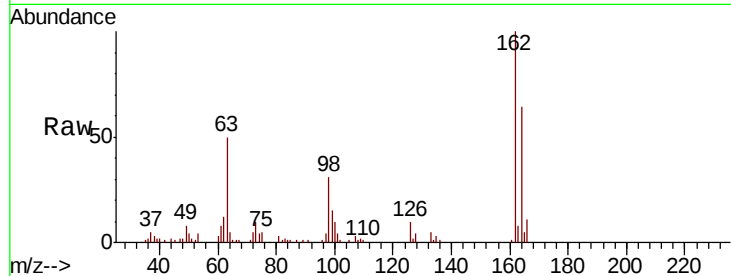
#29
2,4-Dichlorophenol
Concen: 7.543 ng
RT: 10.51 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.2	46.1	86.1
98	31.5	14.7	54.7

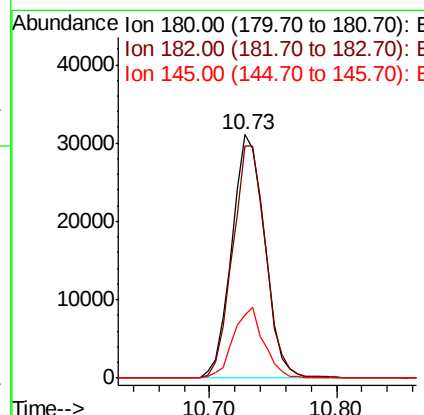
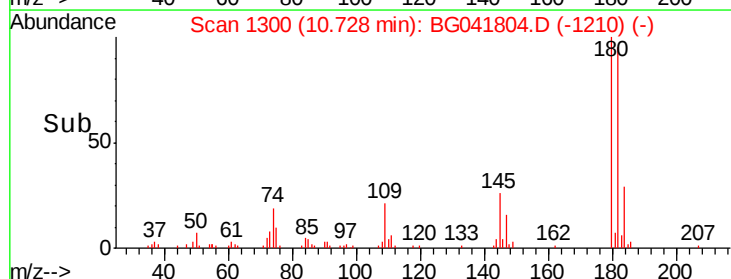
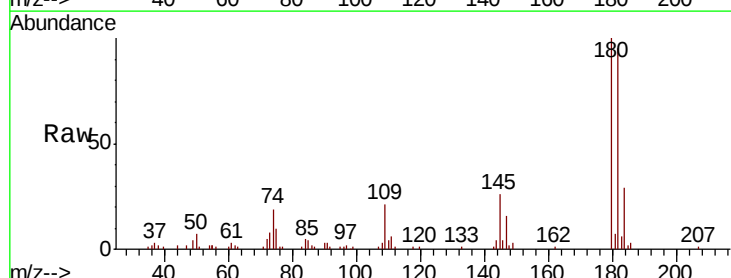
Manual Integrations
APPROVED

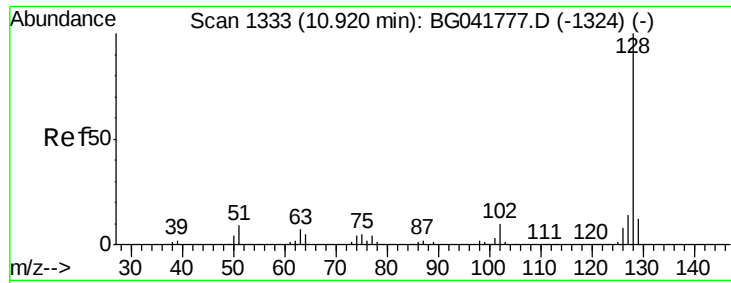
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 7.644 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
145	26.0	23.8	35.8





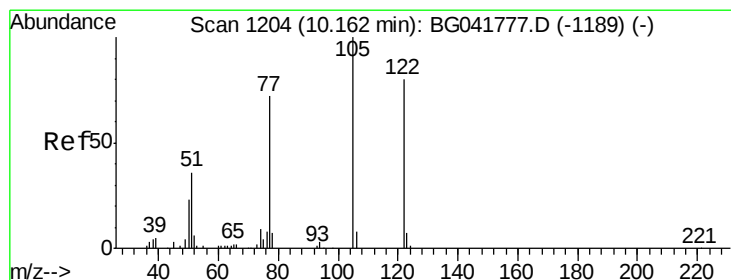
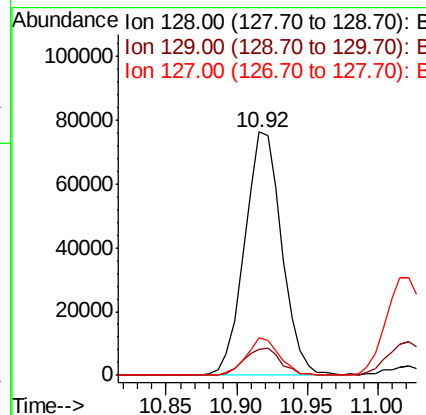
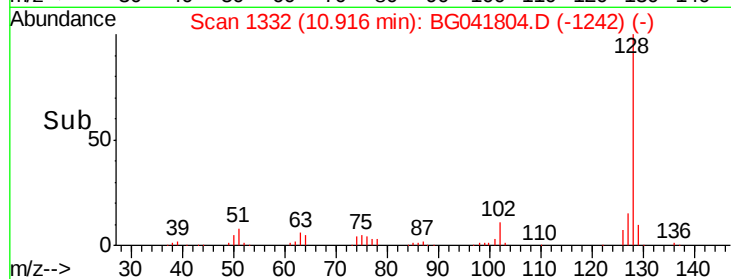
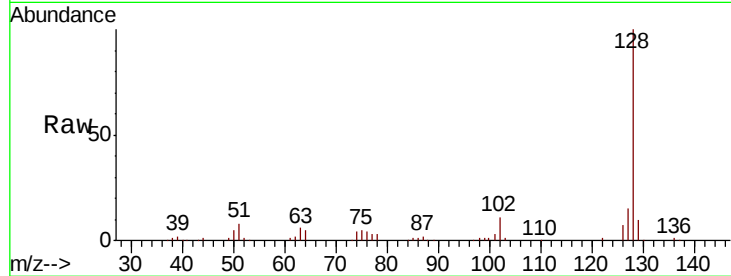
#31
Naphthalene
Concen: 8.144 ng
RT: 10.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	10.0	15.0
127	15.3	12.3	18.5

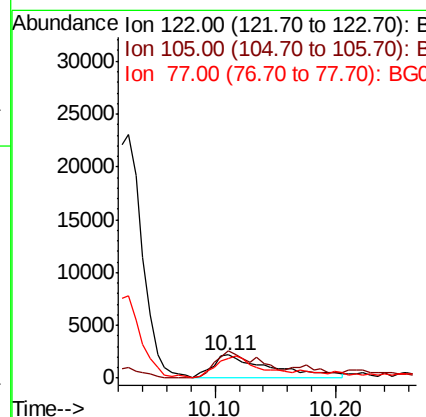
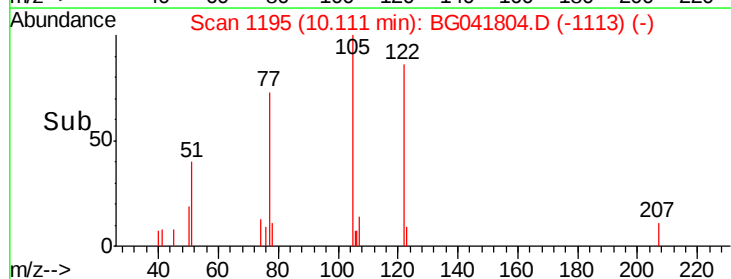
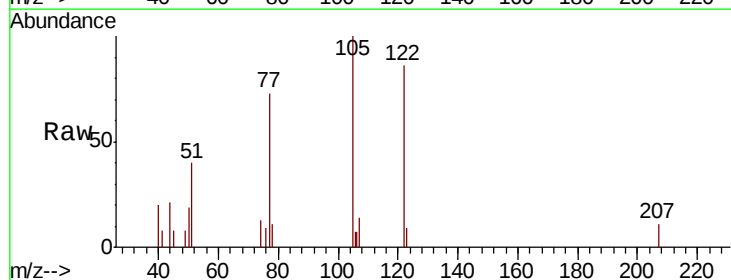
Manual Integrations
APPROVED

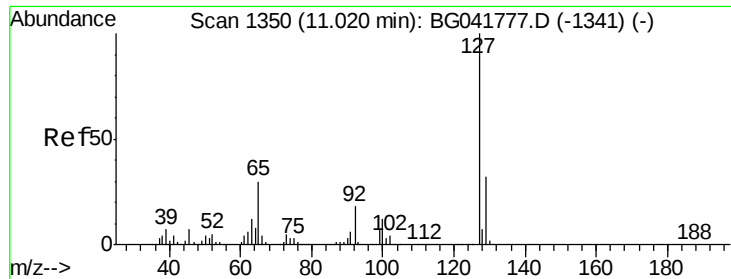
mohammad
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#32
Benzoic acid
Concen: 2.593 ng
RT: 10.11 min Scan# 1195
Delta R.T. -0.05 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.7	101.5	141.5
77	85.1	73.0	113.0





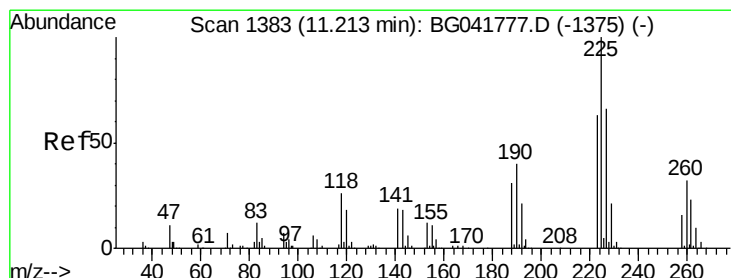
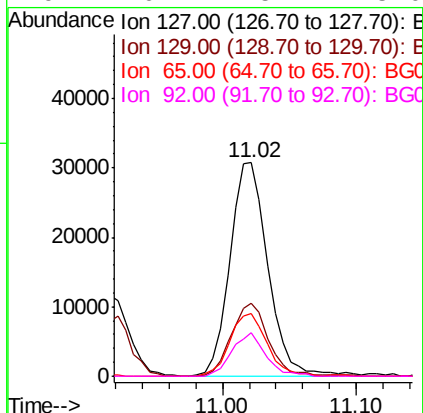
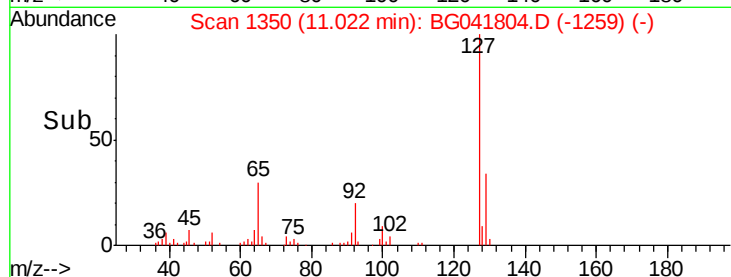
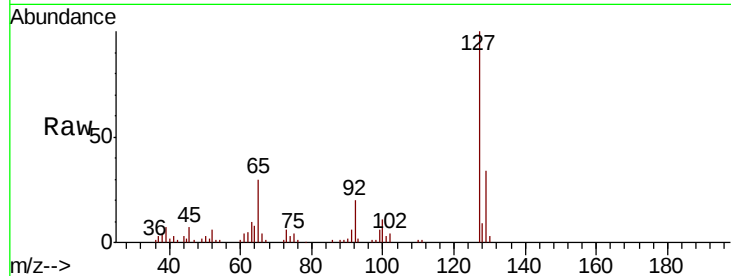
#33
4-Chloroaniline
Concen: 7.426 ng
RT: 11.02 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
127	100		
129	33.9	25.8	38.8
65	29.7	26.7	40.1
92	20.2	15.4	23.0

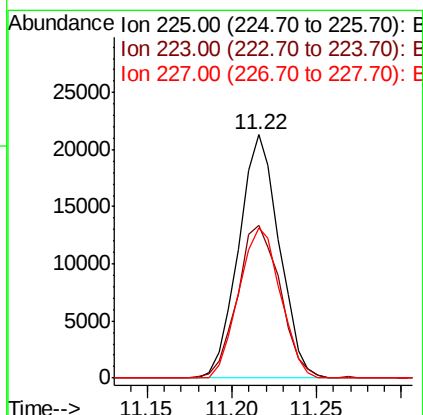
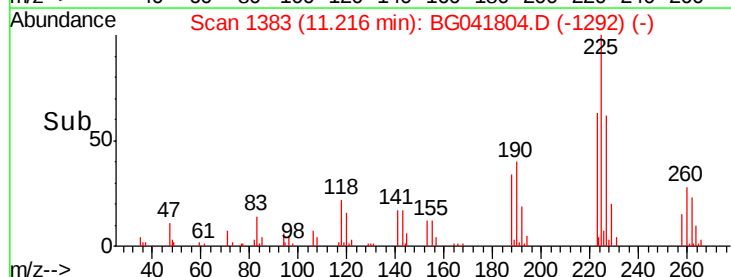
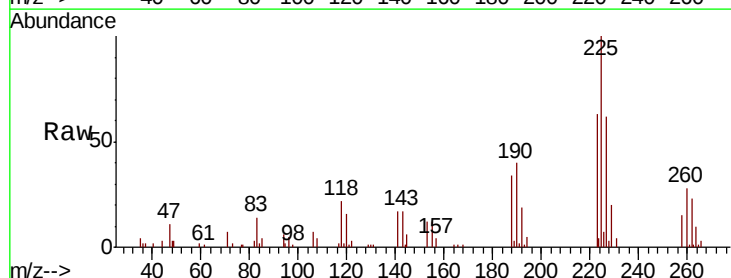
Manual Integrations
APPROVED

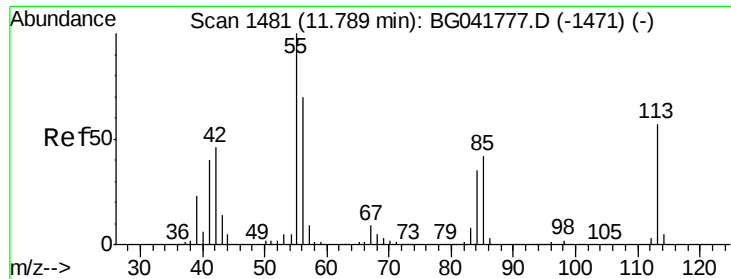
mohammad
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#34
Hexachlorobutadiene
Concen: 7.237 ng
RT: 11.22 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.5	51.1	76.7
227	59.7	50.9	76.3





#35

Caprolactam

Concen: 7.962 ng

RT: 11.76 min Scan# 1476

Delta R.T. -0.03 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:113 Resp: 15932

Ion Ratio Lower Upper

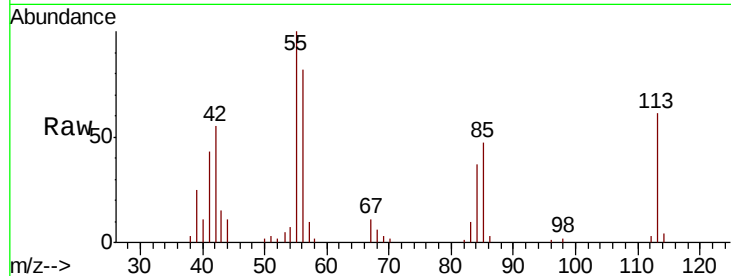
113 100

55 163.4 199.4 239.4#

56 134.8 133.6 173.6

Manual Integrations
APPROVED

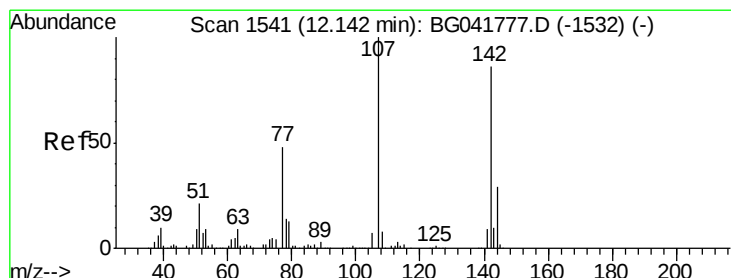
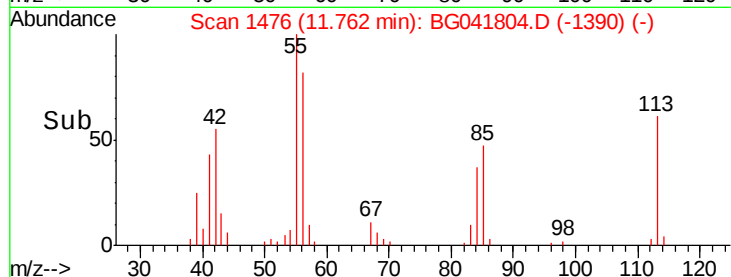
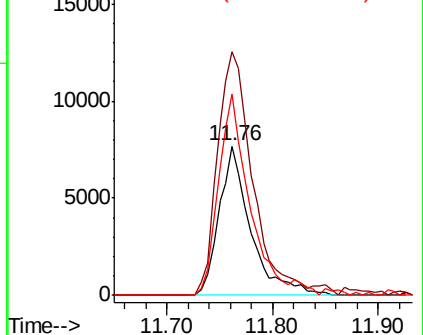
mohammad
8/1/2019 5:04:59 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG041777.D (-1471) (-)

Ion 56.00 (55.70 to 56.70): BG041777.D (-1471) (-)



#36

4-Chloro-3-methylphenol

Concen: 8.243 ng

RT: 12.14 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

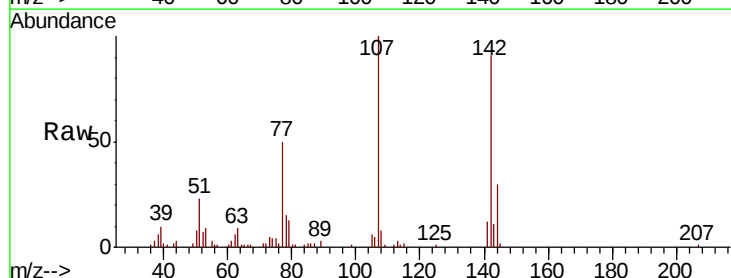
Tgt Ion:107 Resp: 47054

Ion Ratio Lower Upper

107 100

144 29.7 22.2 33.2

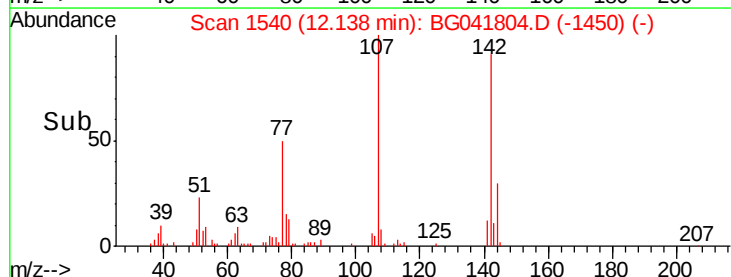
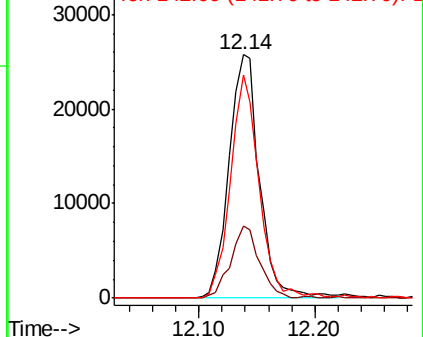
142 91.4 67.3 100.9

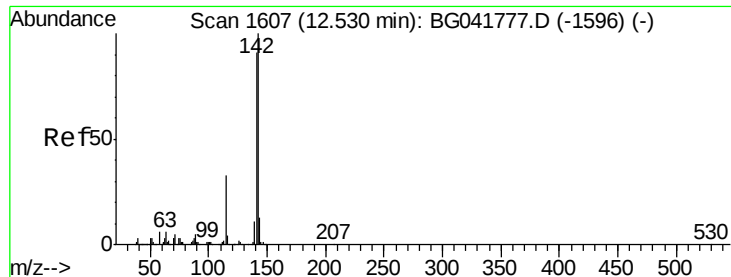


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





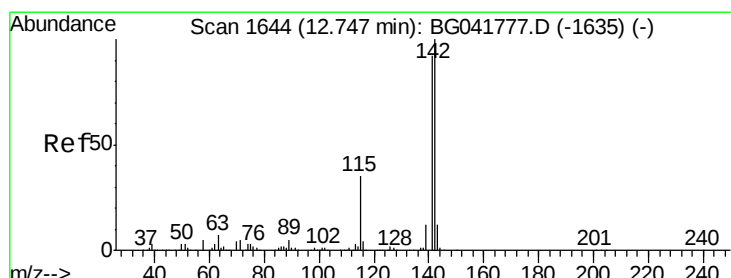
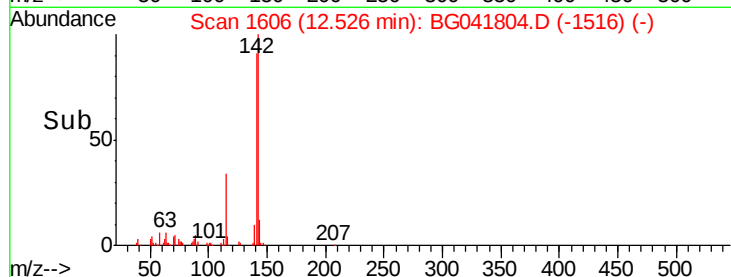
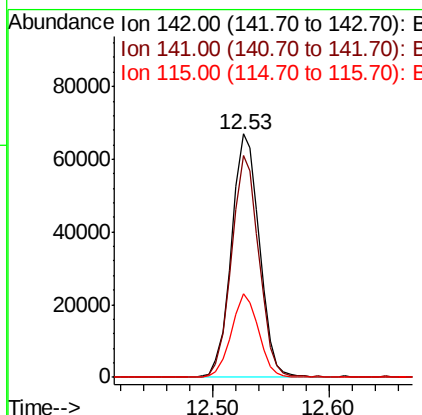
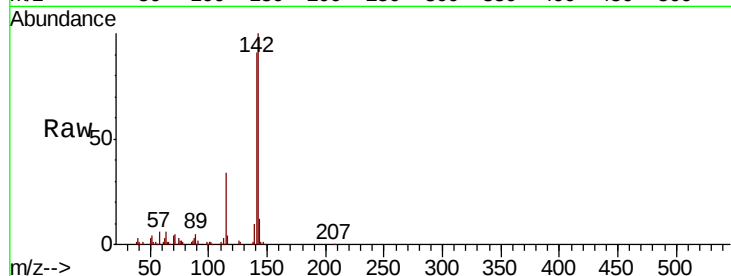
#37
2-Methylnaphthalene
Concen: 8.217 ng
RT: 12.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.7	109.1
115	34.1	27.0	40.4

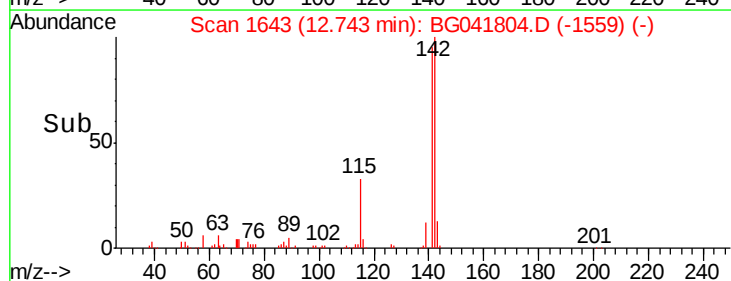
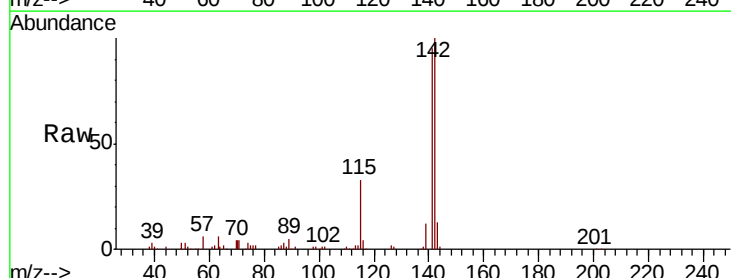
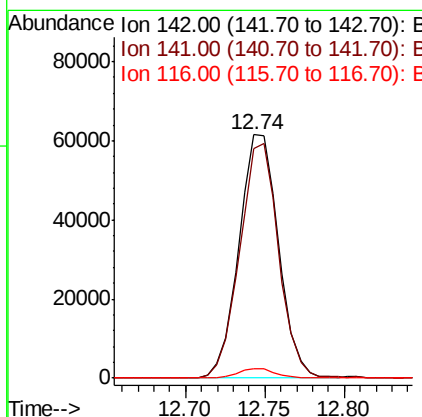
Manual Integrations
APPROVED

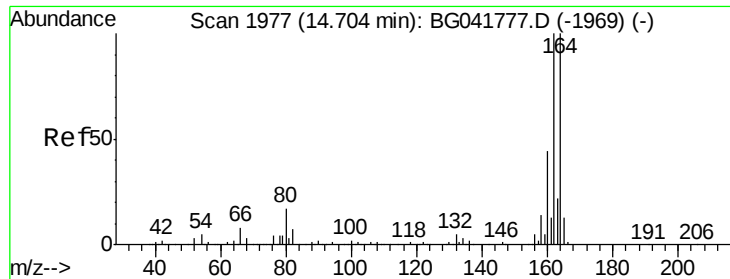
mohammad
8/1/2019 5:04:59 PM



#38
1-Methylnaphthalene
Concen: 8.231 ng
RT: 12.74 min Scan# 1643
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.5	75.4	113.2
116	3.9	3.2	4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

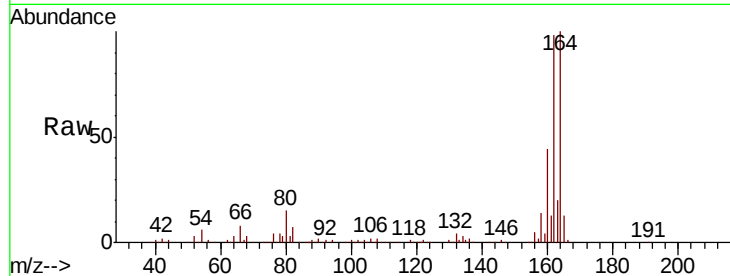
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	164	Resp:	281127
Ion Ratio	Lower	Upper	
164	100		
162	98.0	79.6	119.4
160	43.5	35.4	53.0

Manual Integrations
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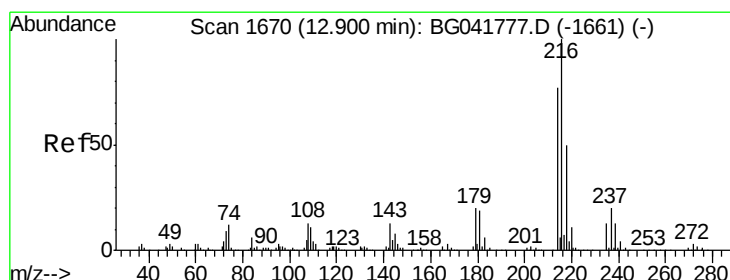
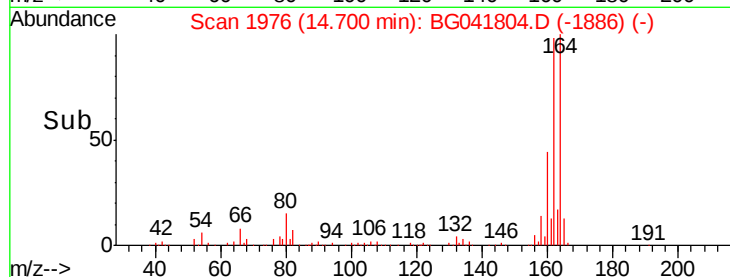
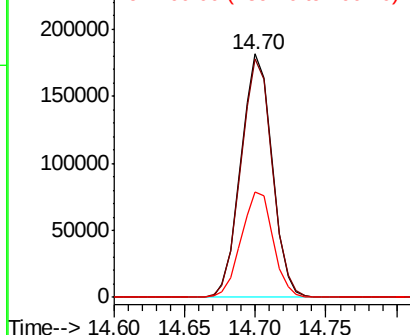


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.914 ng

RT: 12.90 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion:	216	Resp:	70422
Ion Ratio	Lower	Upper	
216	100		
214	77.7	61.5	92.3
179	18.9	16.2	24.2
108	12.6	13.2	19.8#

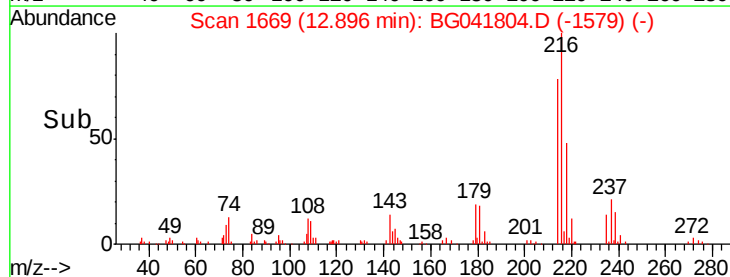
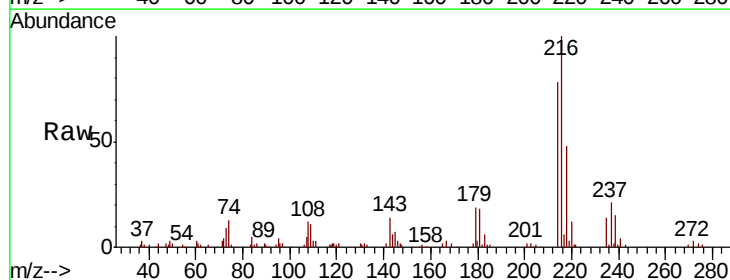
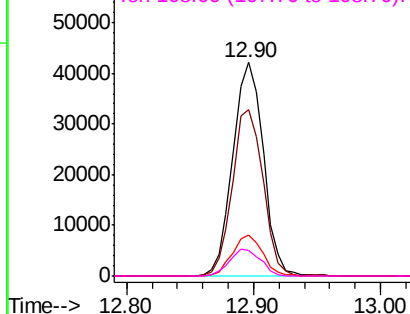
Abundance

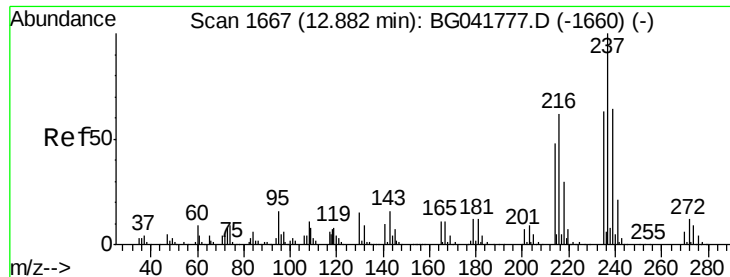
Ion 216.00 (215.70 to 216.70): E

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





#41

Hexachlorocyclopentadiene

Concen: 6.962 ng

RT: 12.88 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

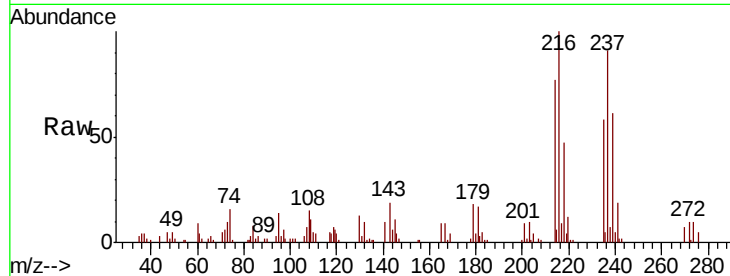
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

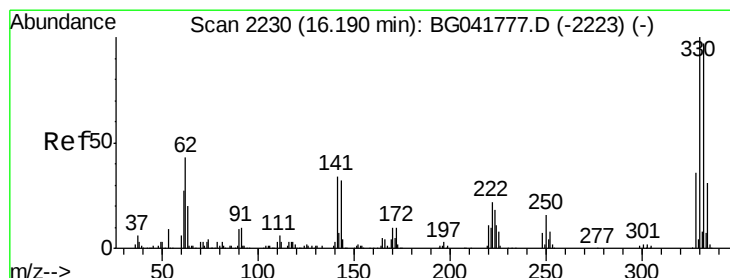
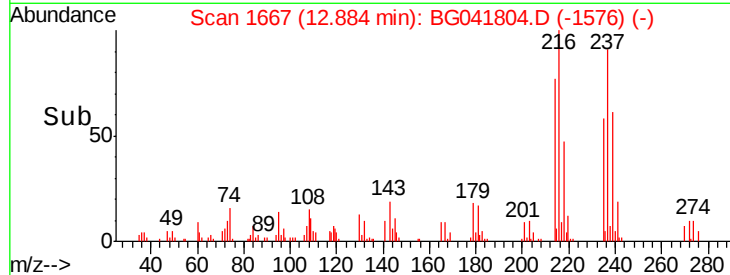
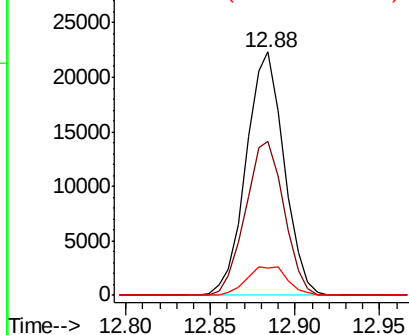
Tot Ion:	237	Resp:	34831
Ion Ratio	Lower	Upper	
237	100		
235	63.4	43.5	83.5
272	11.1	0.0	31.2

Manual Integrations
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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: 108.021 ng

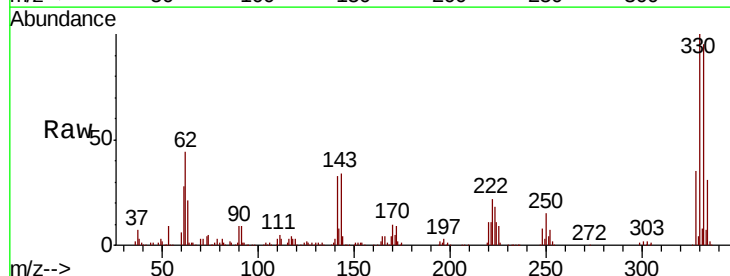
RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

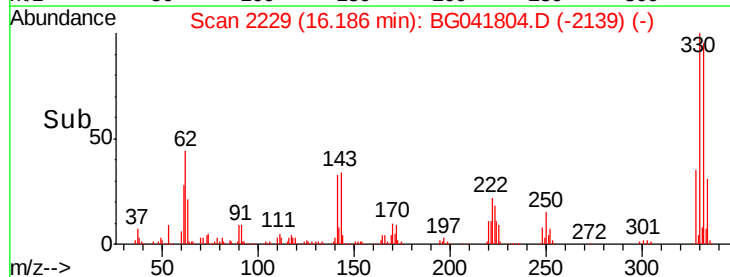
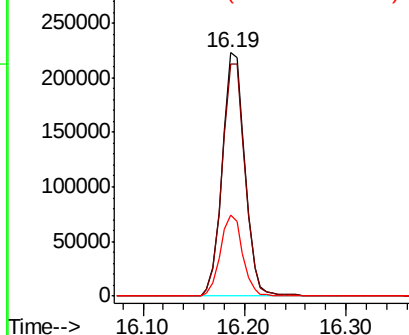
Lab File: BG041804.D

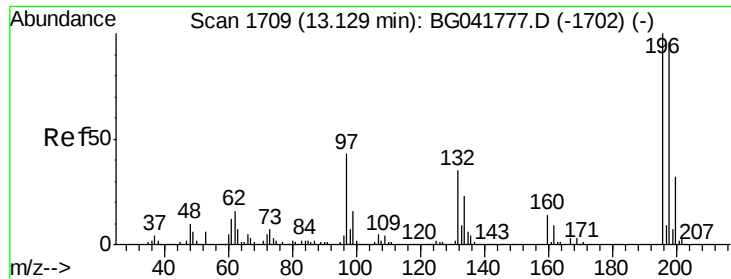
Acq: 30 Jul 2019 16:37

Tgt Ion:	330	Resp:	344936
Ion Ratio	Lower	Upper	
330	100		
332	97.6	77.4	116.0
141	32.9	31.9	47.9



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





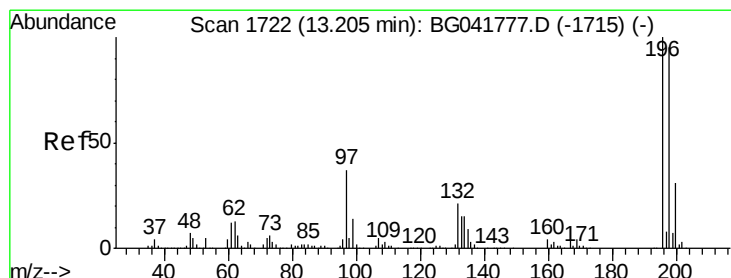
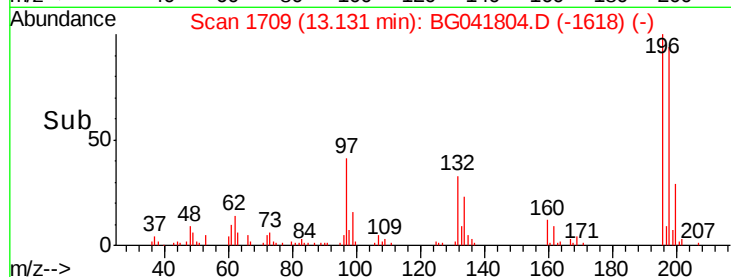
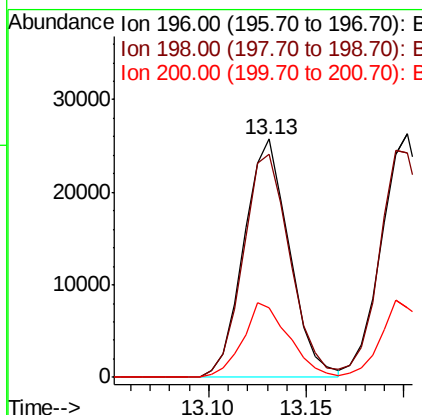
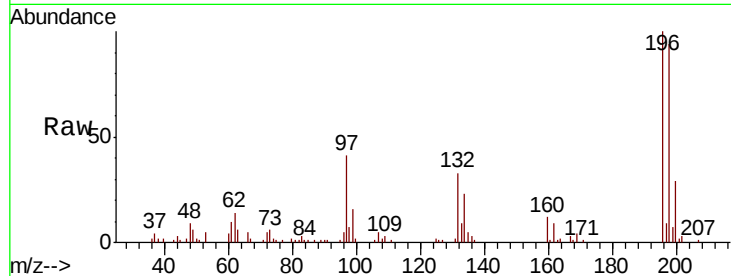
#43
 2,4,6-Trichlorophenol
 Concen: 7.374 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
196	100		
198	93.6	79.6	119.4
200	29.1	25.2	37.8

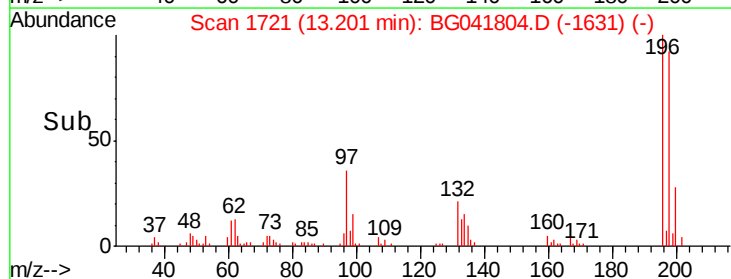
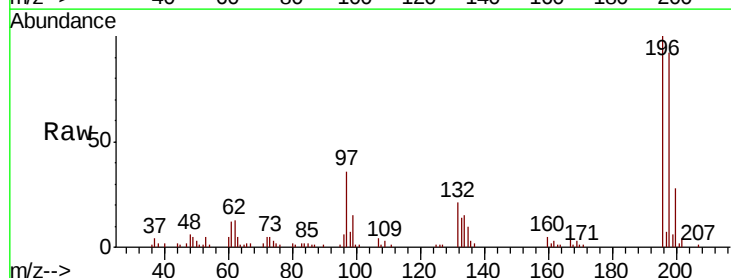
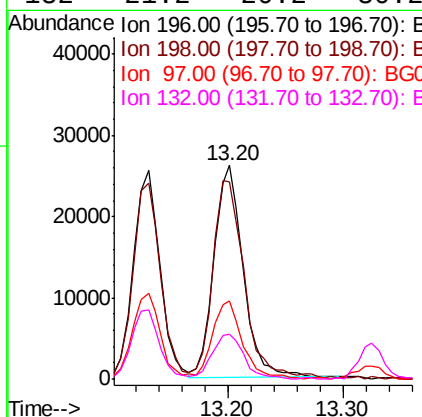
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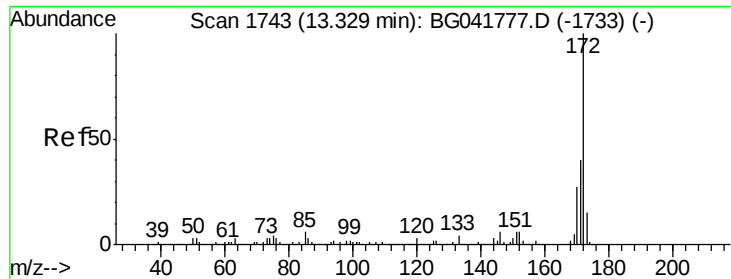
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 7.875 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
196	100		
198	92.4	80.6	121.0
97	36.3	33.9	50.9
132	21.2	20.2	30.2





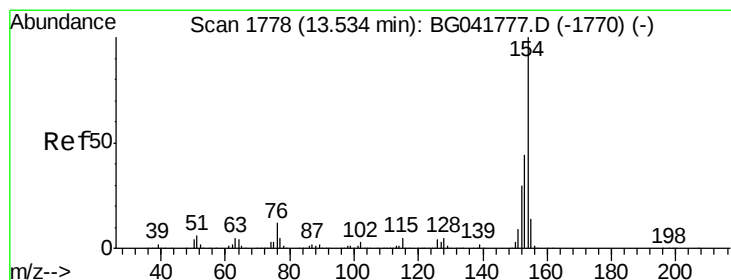
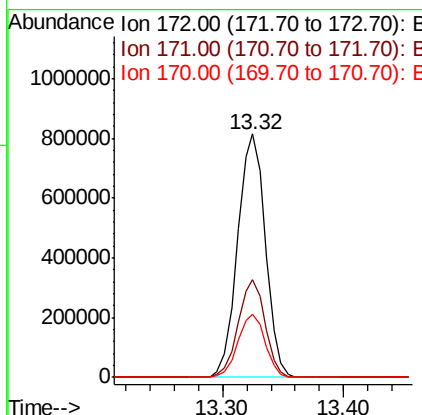
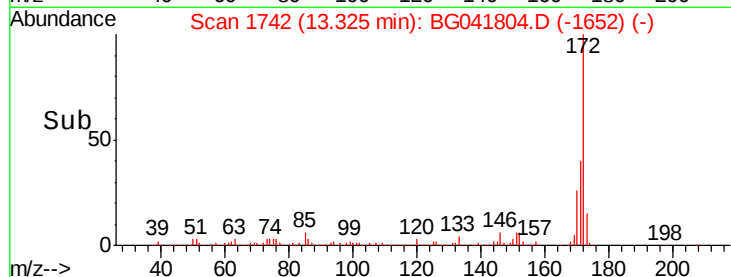
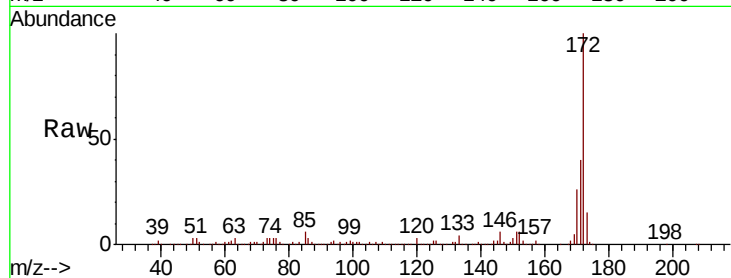
#45
2-Fluorobiphenyl
Concen: 81.891 ng
RT: 13.32 min Scan# 1742
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion:172 Resp: 1305290
Ion Ratio Lower Upper
172 100
171 39.9 35.0 52.4
170 26.2 23.5 35.3

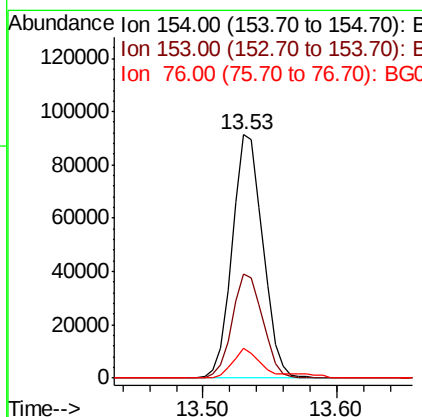
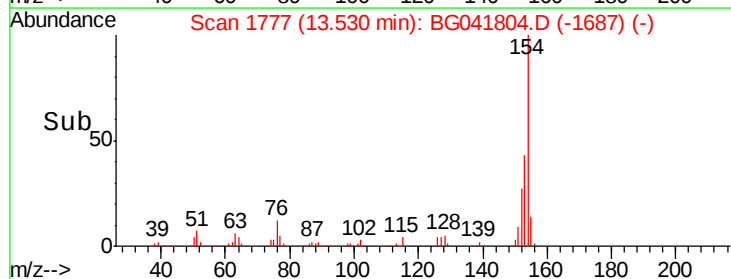
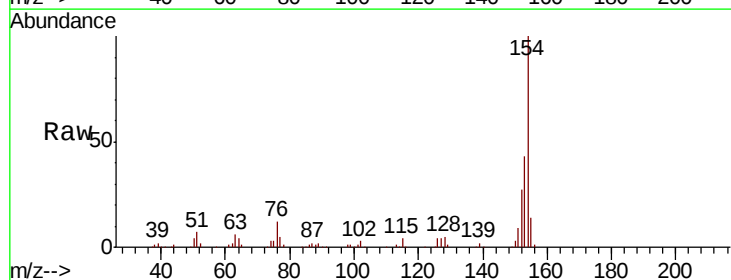
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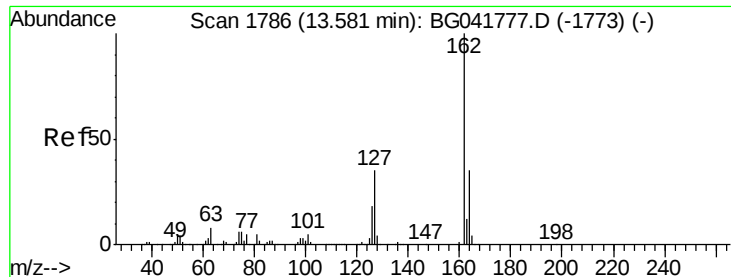
mohammad
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#46
1,1'-Biphenyl
Concen: 8.059 ng
RT: 13.53 min Scan# 1777
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion:154 Resp: 145632
Ion Ratio Lower Upper
154 100
153 42.7 25.0 65.0
76 12.4 0.0 34.5





#47

2-Chloronaphthalene

Concen: 7.651 ng

RT: 13.58 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

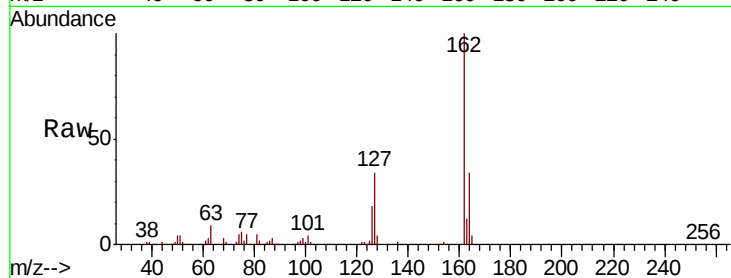
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	162	Resp:	117712
Ion Ratio	Lower	Upper	
162	100		
127	33.7	30.4	45.6
164	34.3	28.6	42.8

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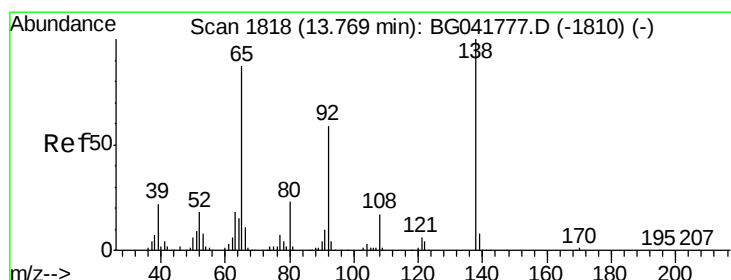
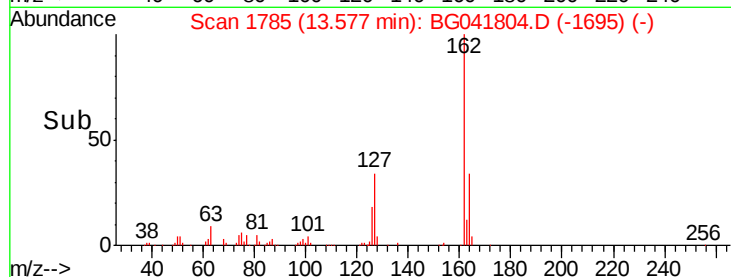
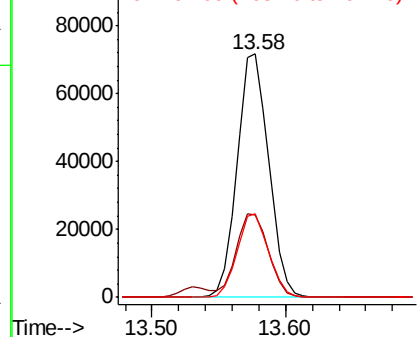


Abundance

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: 7.590 ng

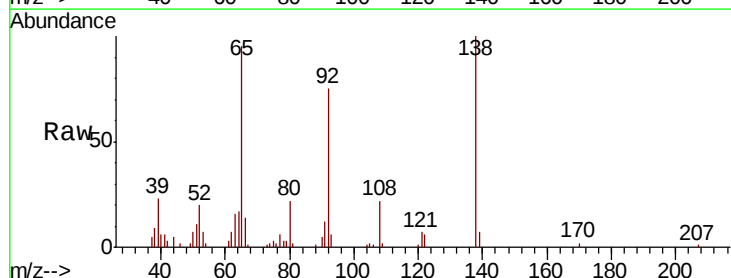
RT: 13.77 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion:	65	Resp:	29620
Ion Ratio	Lower	Upper	
65	100		
92	78.3	53.9	80.9
138	104.8	83.5	125.3

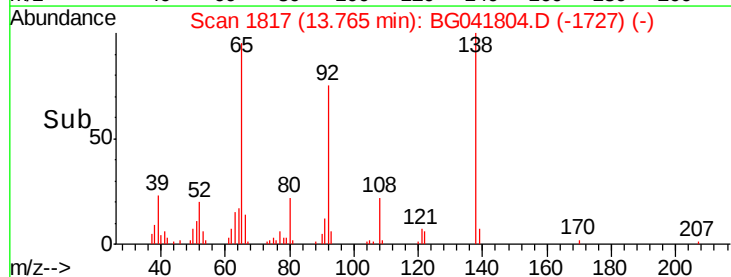
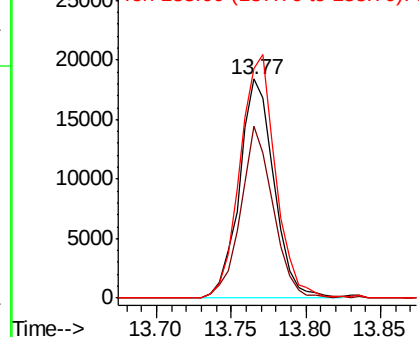


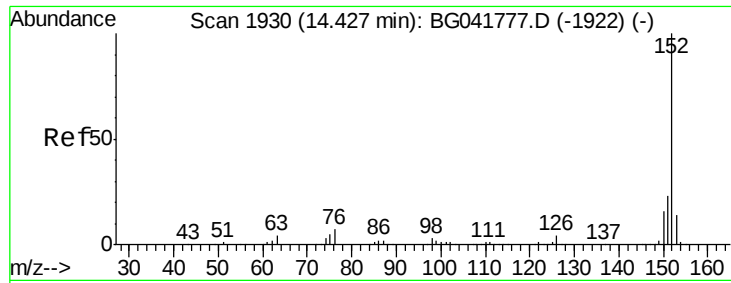
Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 8.429 ng

RT: 14.42 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

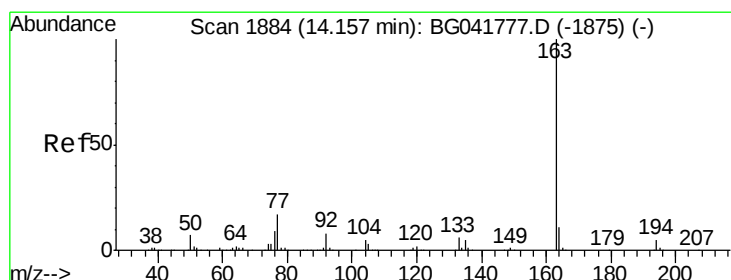
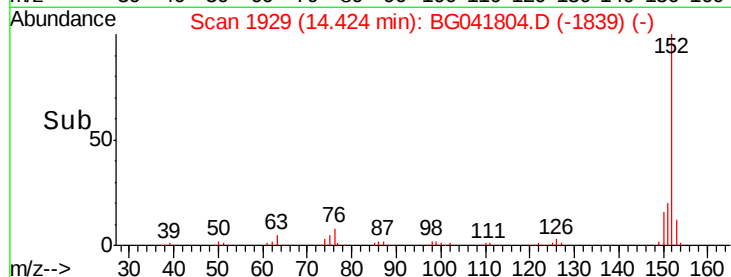
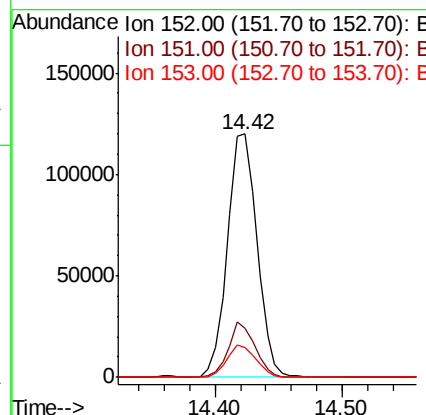
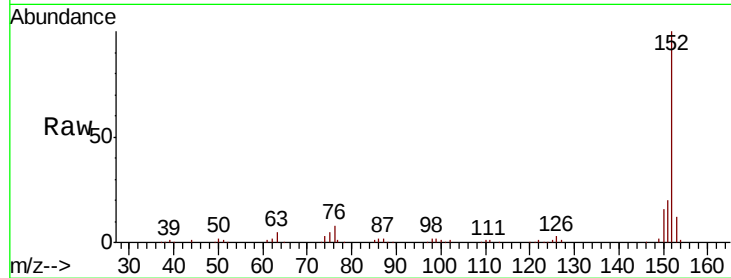
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		193984		
151	20.4	18.7	28.1		
153	12.3	12.4	18.6		

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#50

Dimethylphthalate

Concen: 8.233 ng

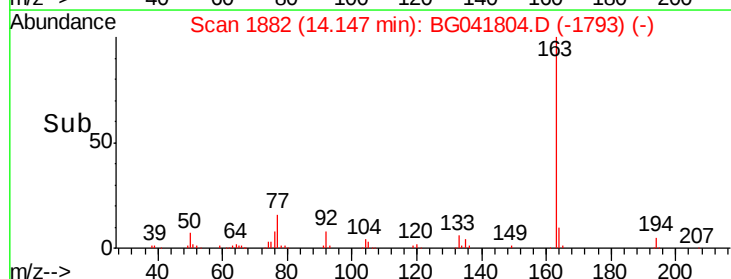
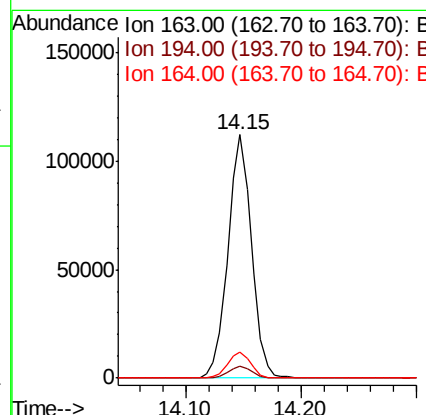
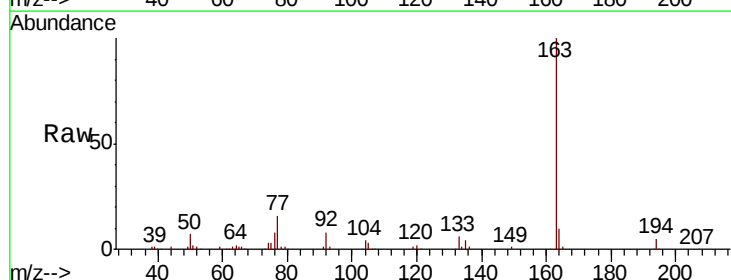
RT: 14.15 min Scan# 1882

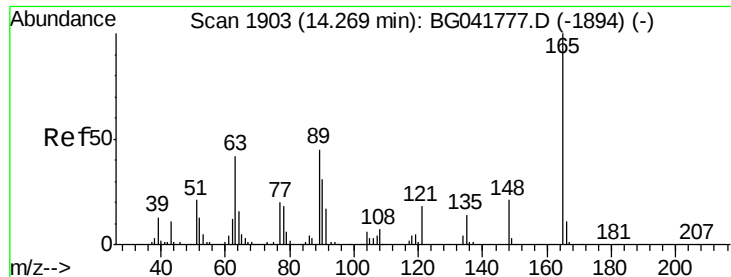
Delta R.T. -0.01 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		158063		
194	4.7	4.2	6.2		
164	10.5	9.4	14.2		





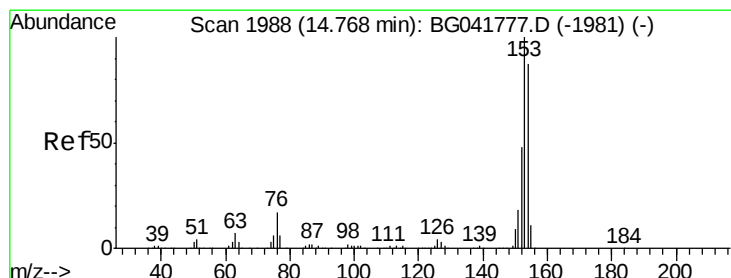
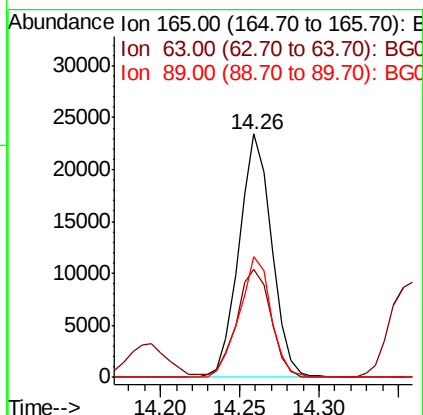
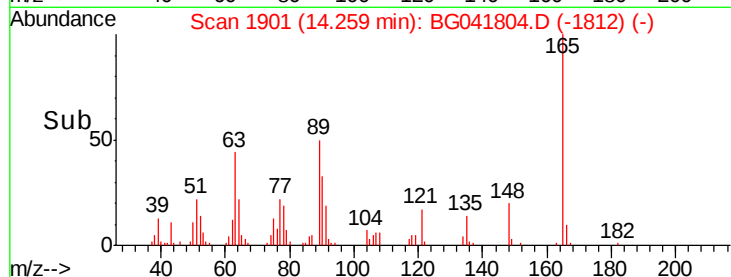
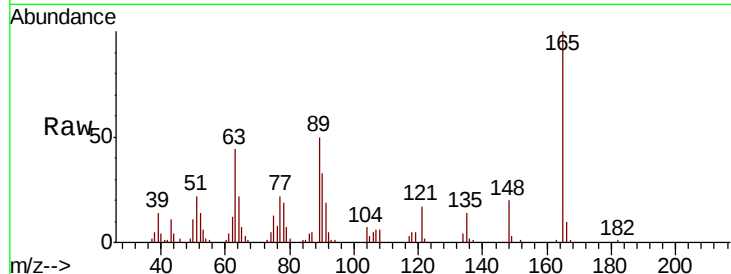
#51
2,6-Dinitrotoluene
Concen: 8.326 ng
RT: 14.26 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
165	100		
63	44.1	42.4	63.6
89	49.7	42.1	63.1

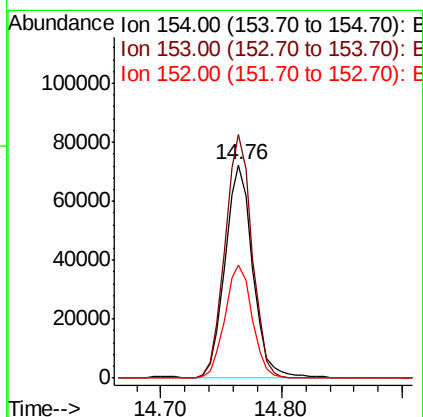
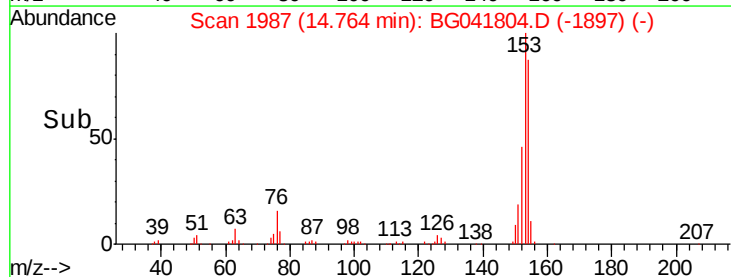
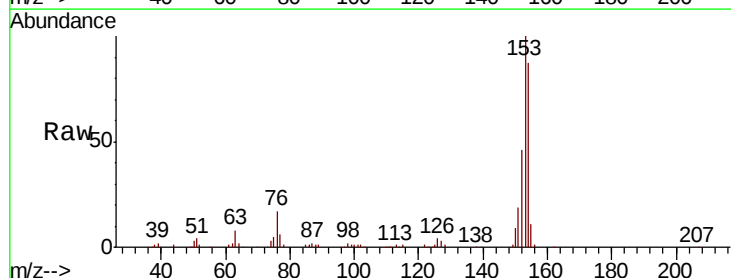
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#52
Acenaphthene
Concen: 7.725 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.8	134.6
152	53.1	44.9	67.3





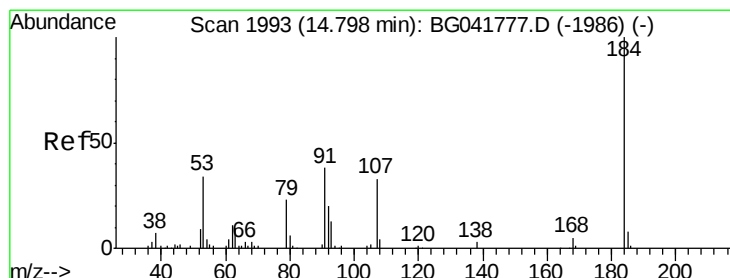
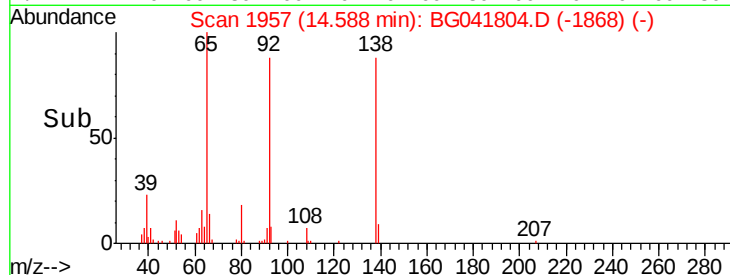
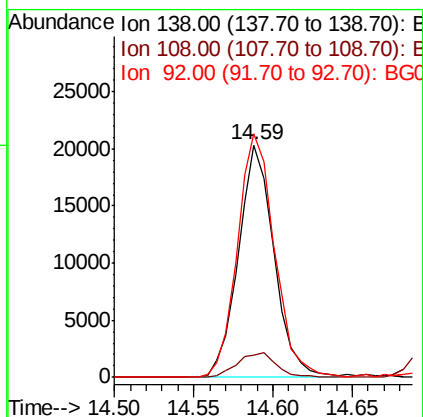
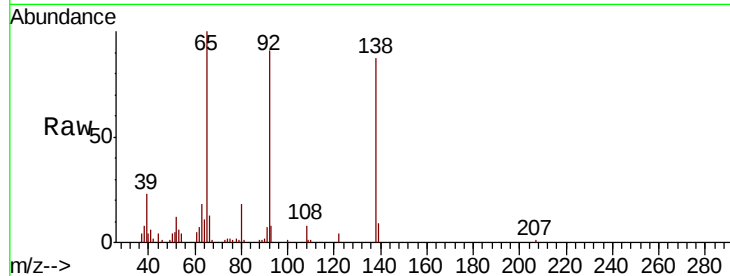
#53
3-Nitroaniline
Concen: 7.408 ng
RT: 14.59 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.4	10.3	15.5#
92	104.7	93.0	139.4

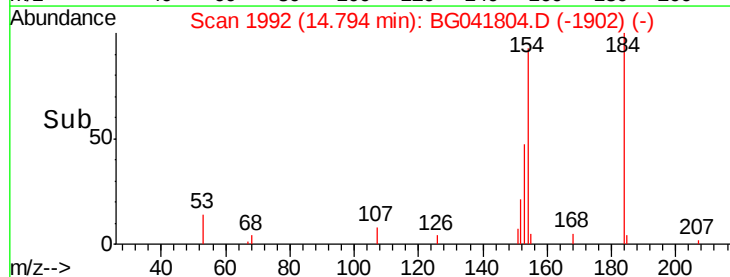
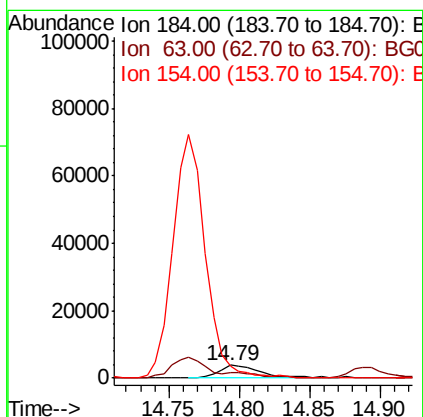
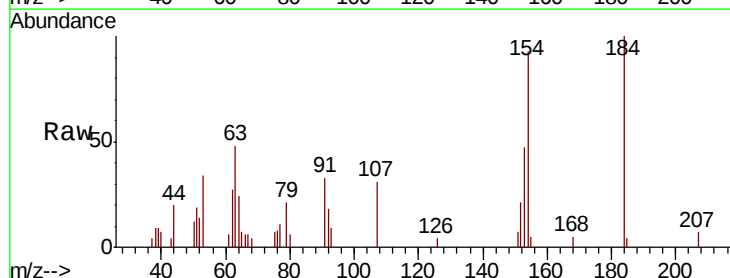
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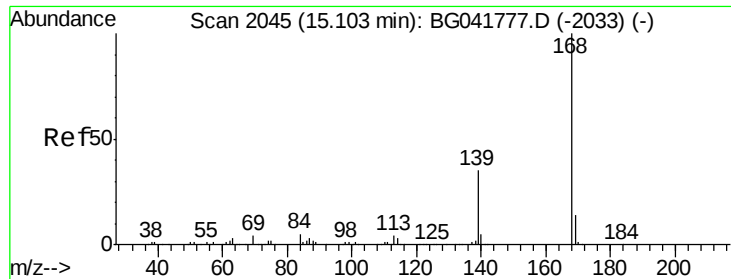
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#54
2,4-Dinitrophenol
Concen: 4.120 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
184	100		
63	48.1	43.2	64.8
154	93.5	51.4	77.2#





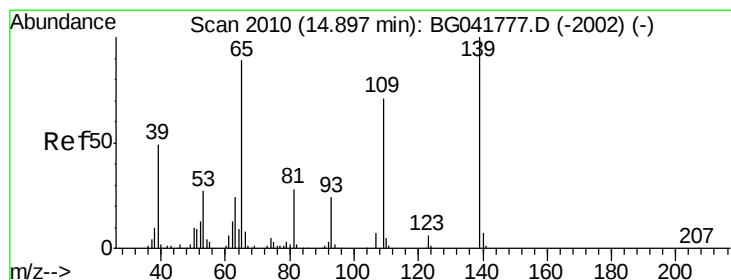
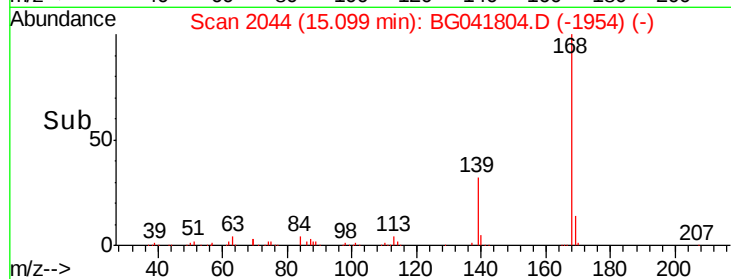
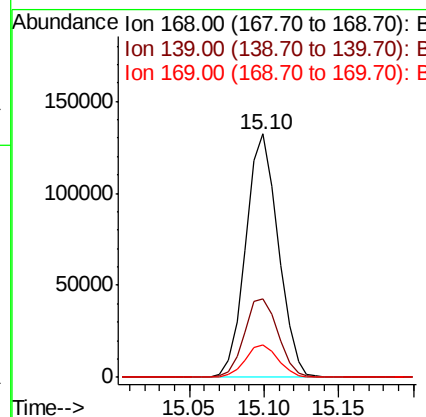
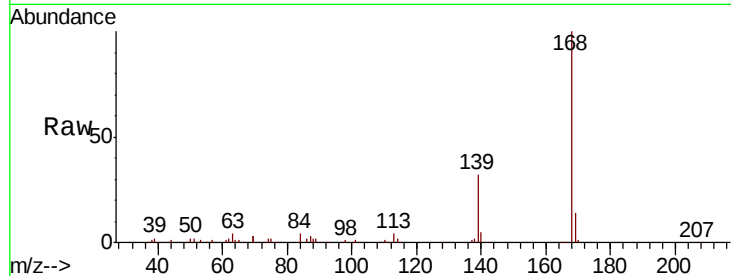
#55
Dibenzofuran
Concen: 8.703 ng
RT: 15.10 min Scan# 2044
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
168	100		
139	32.4	31.9	47.9
169	13.5	12.5	18.7

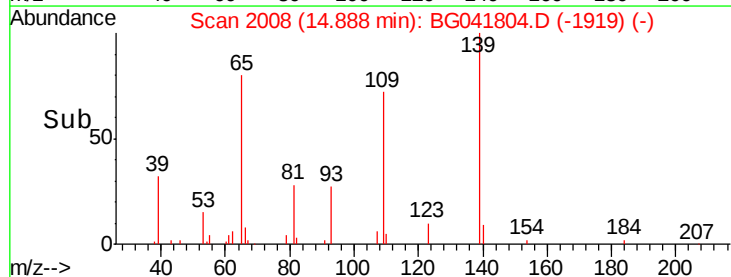
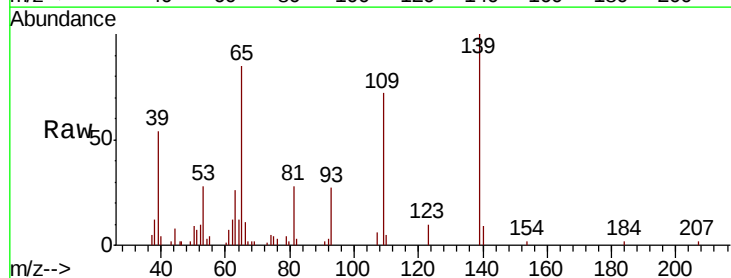
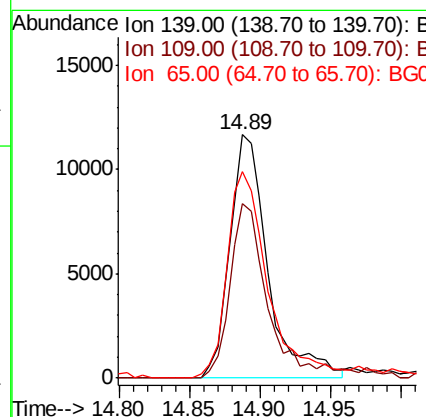
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#56
4-Nitrophenol
Concen: 6.746 ng
RT: 14.89 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
139	100		
109	71.8	51.3	91.3
65	84.7	77.6	117.6





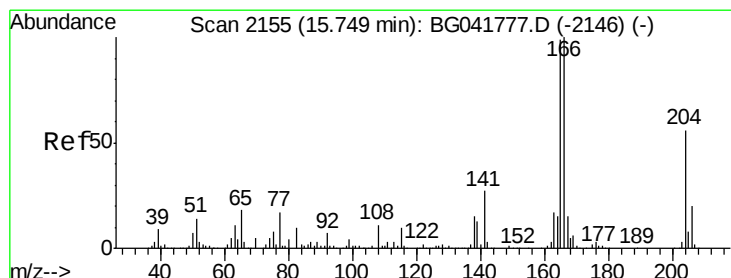
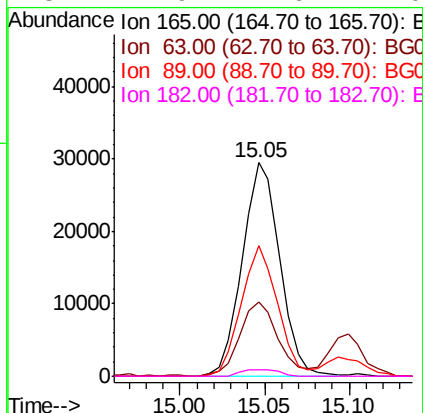
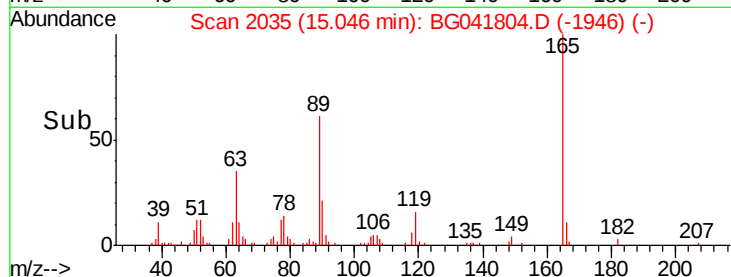
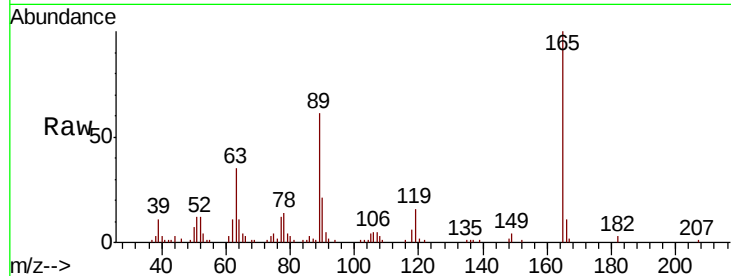
#57
2,4-Dinitrotoluene
Concen: 8.248 ng
RT: 15.05 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
165	100		
63	34.5	31.7	47.5
89	60.9	50.2	75.4
182	2.9	2.6	4.0

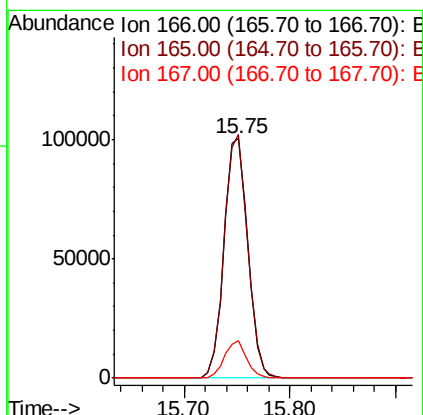
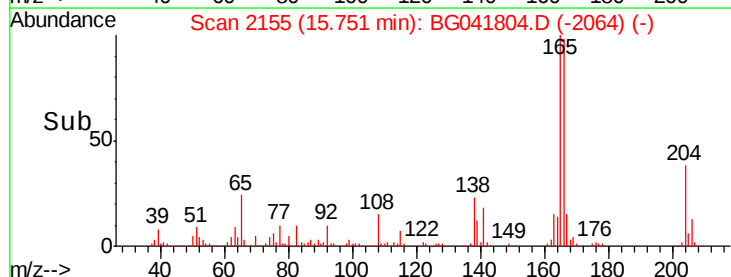
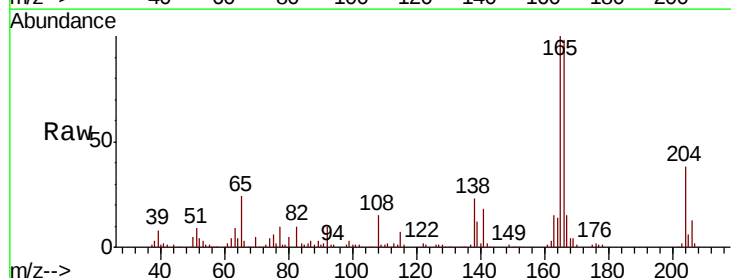
Manual Integrations
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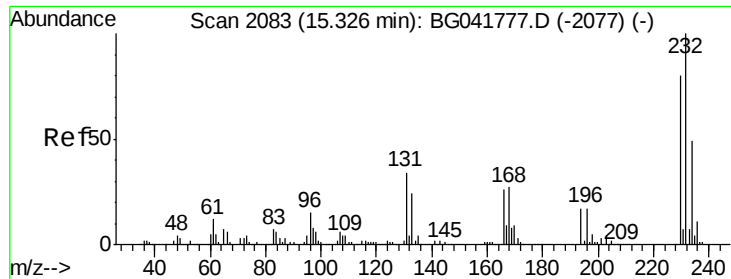
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#58
Fluorene
Concen: 8.525 ng
RT: 15.75 min Scan# 2155
Delta R.T. 0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.8	80.5	120.7
167	15.6	12.4	18.6





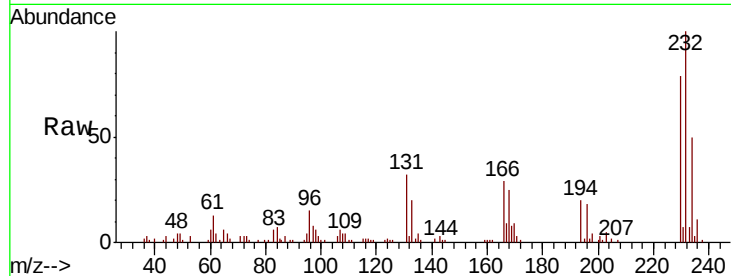
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.729 ng
 RT: 15.32 min Scan# 2082
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	232	Resp:	44742
Ion Ratio	Lower	Upper	
232	100		
131	34.2	31.8	47.6
130	0.8	1.8	2.8
166	27.7	23.5	35.3

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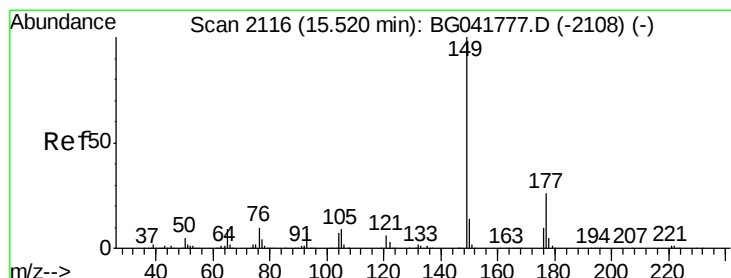
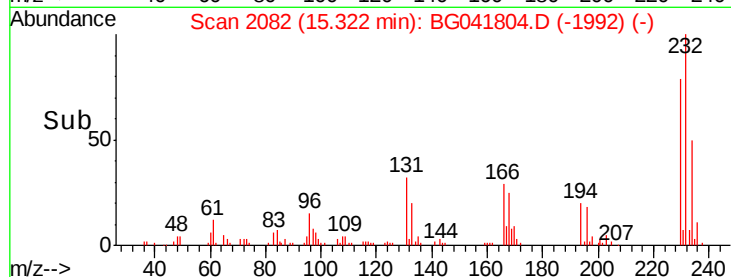
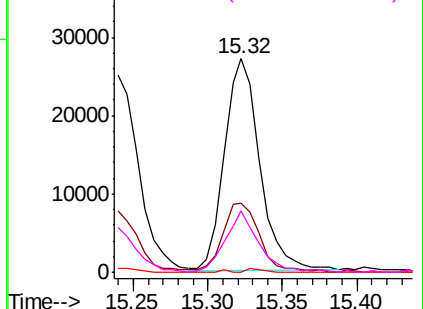
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

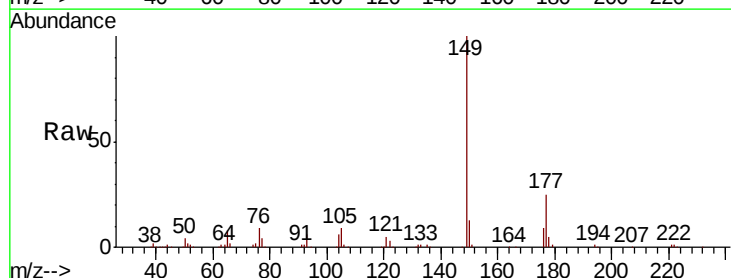
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 8.471 ng
 RT: 15.52 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Tgt Ion:	149	Resp:	159682
Ion Ratio	Lower	Upper	
149	100		
177	25.1	20.7	31.1
150	12.7	11.5	17.3

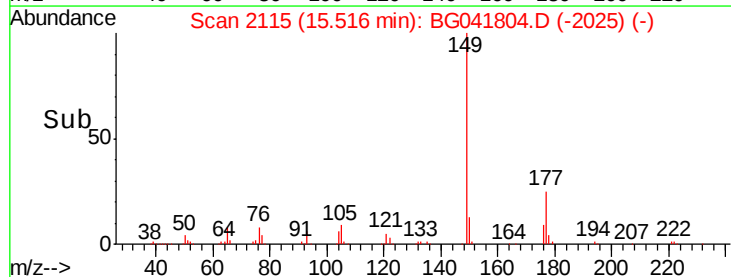
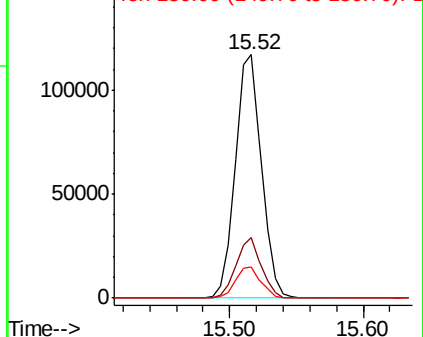


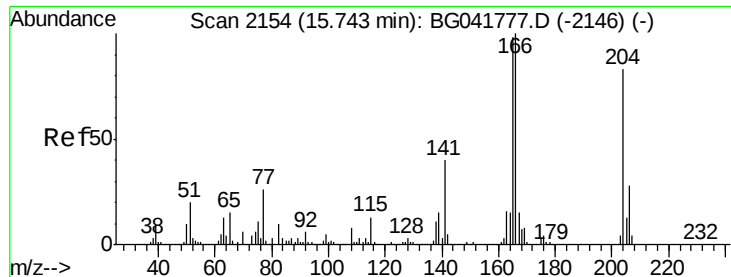
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





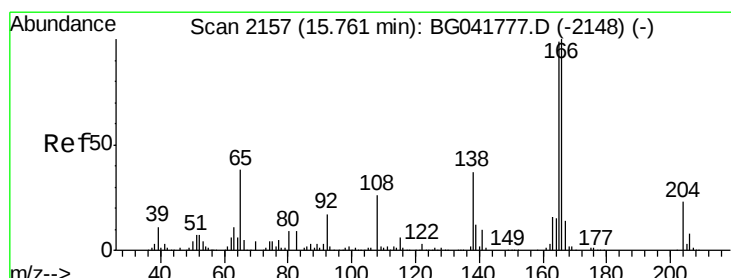
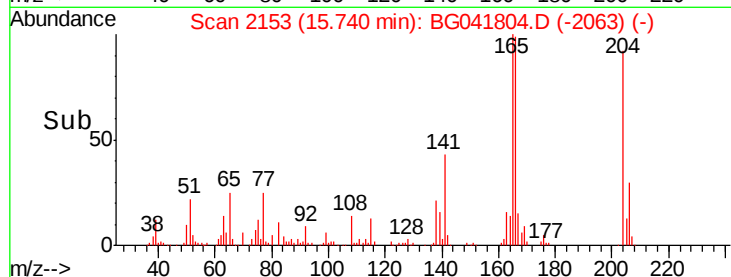
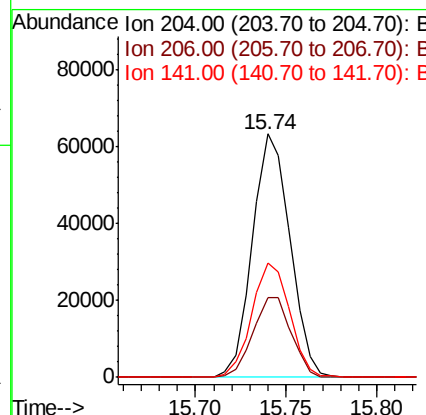
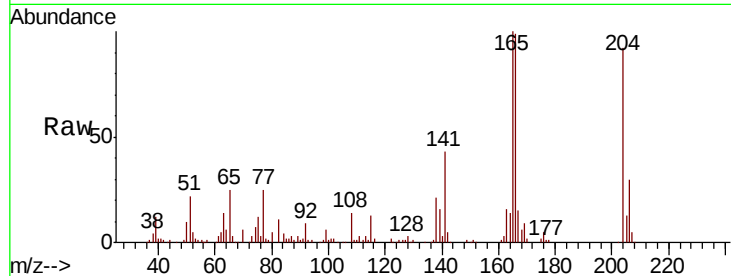
#61
 4-Chlorophenyl-phenylether
 Concen: 8.141 ng
 RT: 15.74 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	28.6	42.8
141	46.7	42.9	64.3

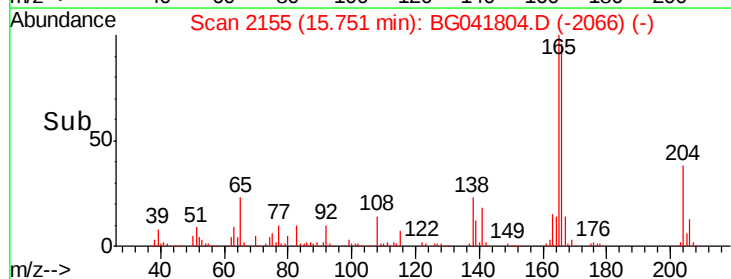
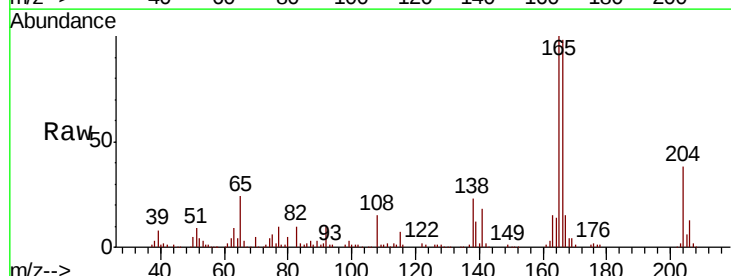
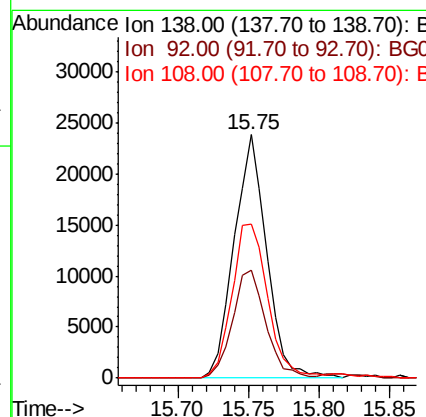
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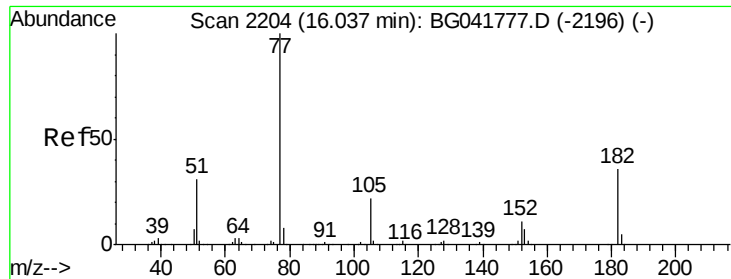
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#62
 4-Nitroaniline
 Concen: 8.198 ng
 RT: 15.75 min Scan# 2155
 Delta R.T. -0.01 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
138	100		
92	44.2	29.8	69.8
108	63.5	52.2	92.2





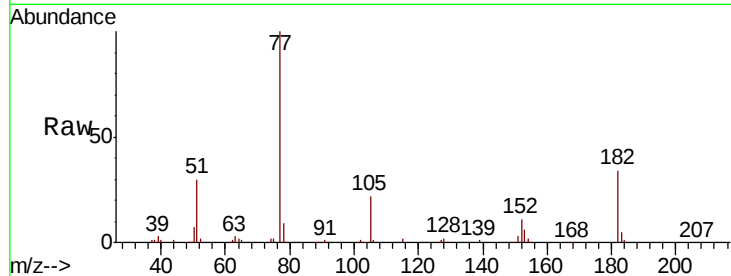
#63
Azobenzene
Concen: 8.261 ng
RT: 16.03 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

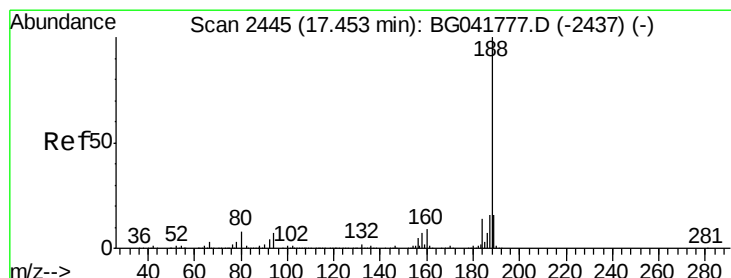
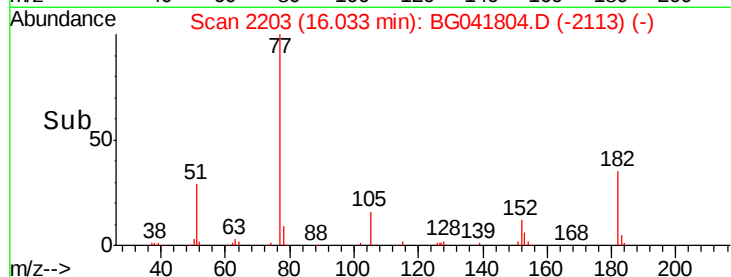
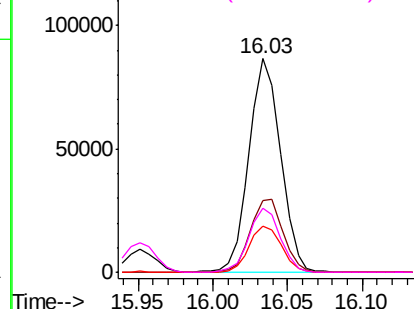
Tot Ion	Ratio	Lower	Upper
77	100		
182	33.8	13.2	53.2
105	21.8	2.2	42.2
51	30.3	14.6	54.6

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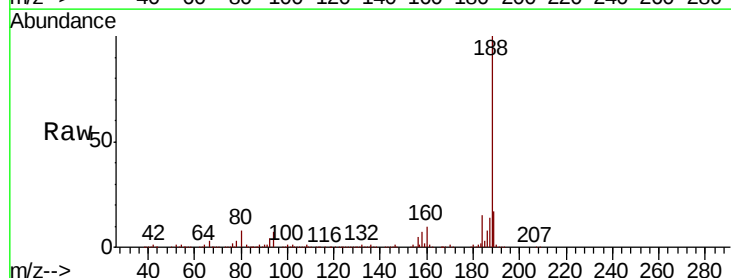


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

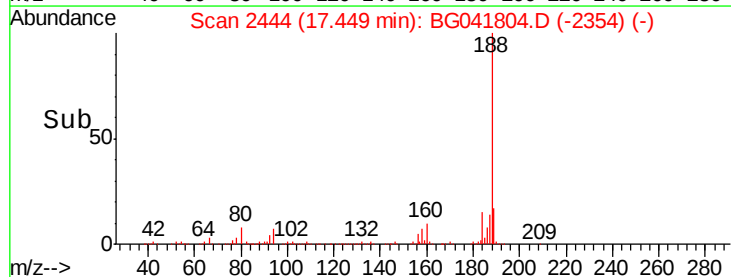
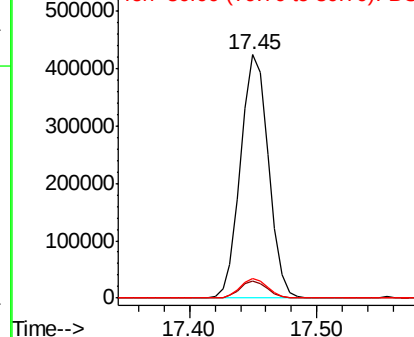


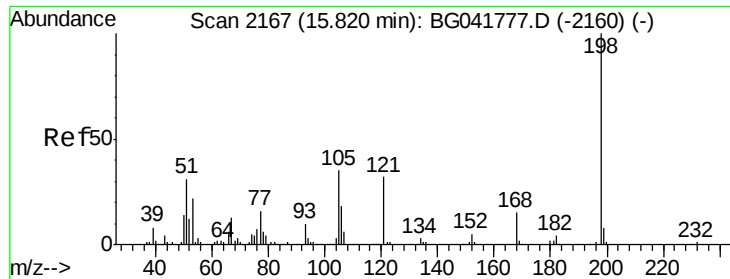
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.9	10.3
80	8.1	8.0	12.0



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





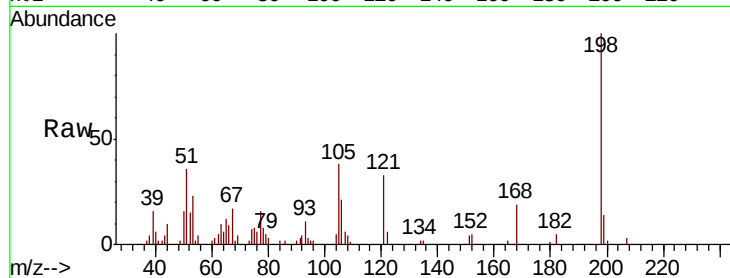
#65
4,6-Dinitro-2-methylphenol
Concen: 6.518 ng
RT: 15.82 min Scan# 2166
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
198	100		
51	36.3	22.3	62.3
105	37.7	18.0	58.0

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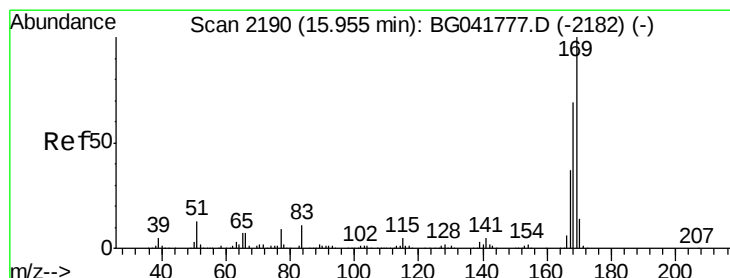
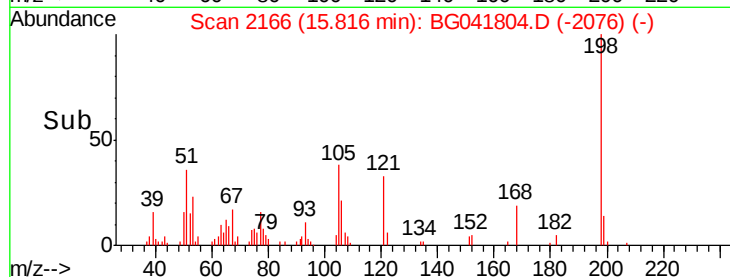
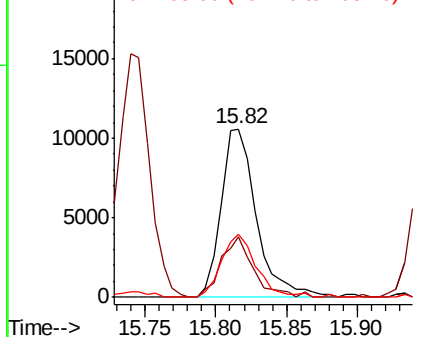


Abundance

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



#66
n-Nitrosodiphenylamine
Concen: 8.323 ng
RT: 15.95 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

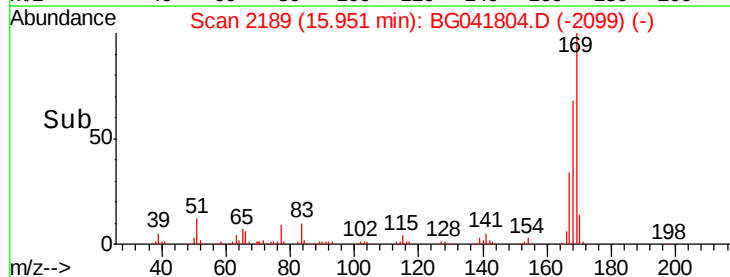
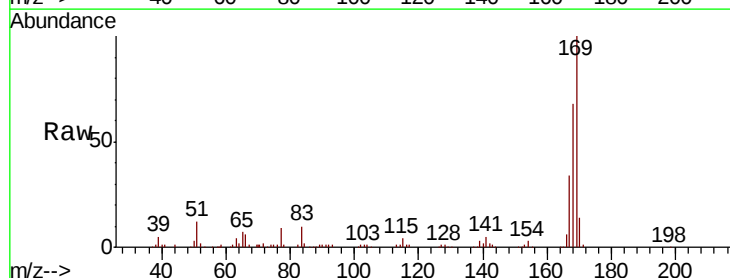
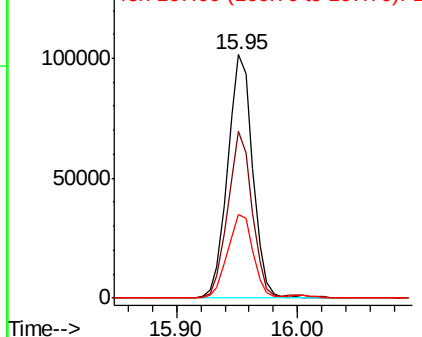
Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.5	56.9	85.3
167	34.4	31.5	47.3

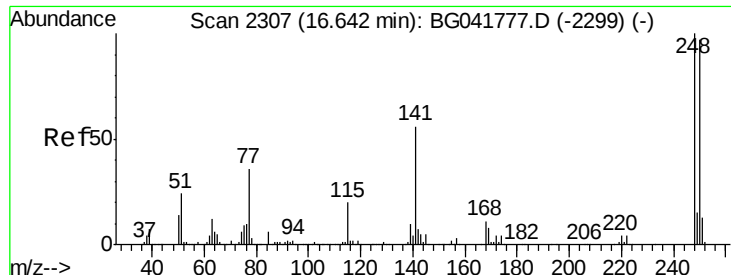
Abundance

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: 7.547 ng

RT: 16.64 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

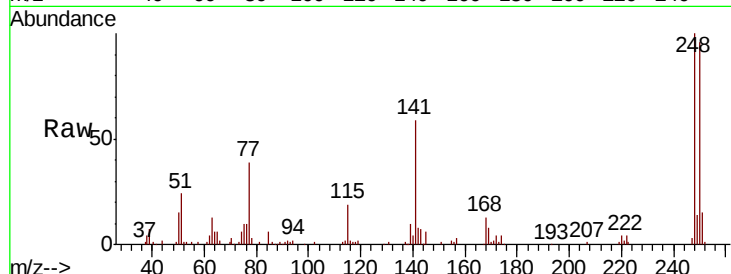
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

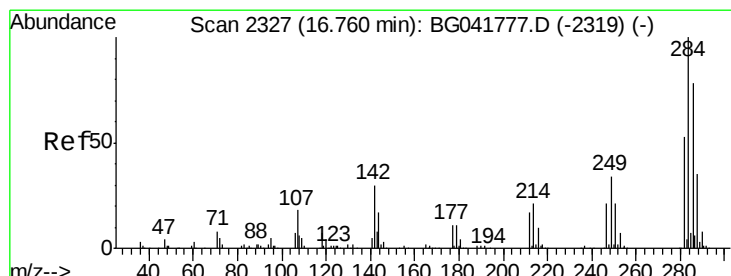
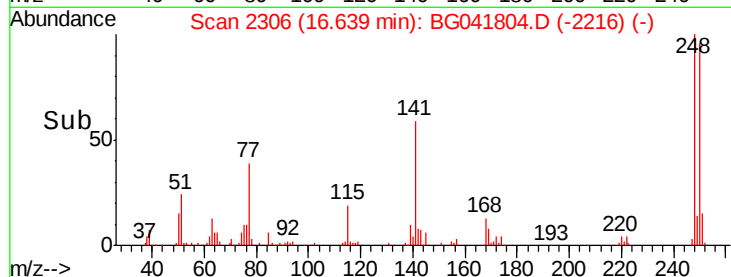
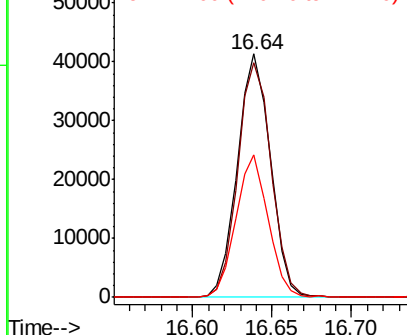
Tot Ion:	248	Resp:	60000
Ion Ratio	Lower	Upper	
248	100		
250	96.2	78.1	117.1
141	58.8	49.6	74.4

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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



#68

Hexachlorobenzene

Concen: 7.513 ng

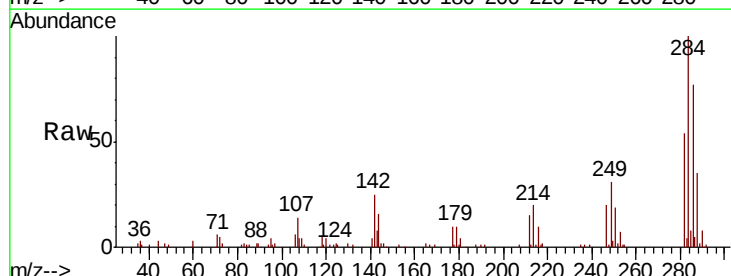
RT: 16.76 min Scan# 2327

Delta R.T. 0.00 min

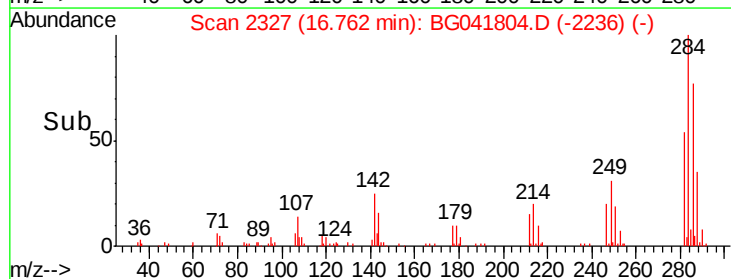
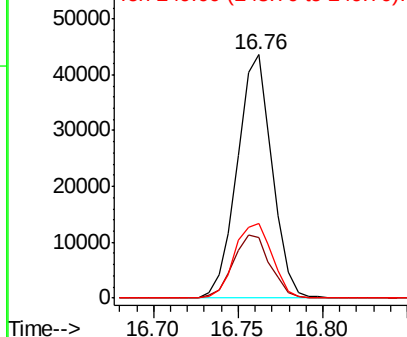
Lab File: BG041804.D

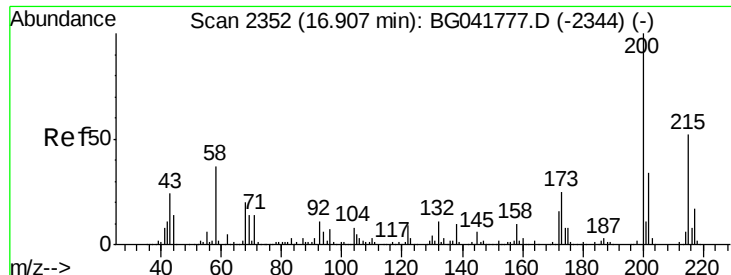
Acq: 30 Jul 2019 16:37

Tgt Ion:	284	Resp:	62493
Ion Ratio	Lower	Upper	
284	100		
142	24.8	27.0	40.6#
249	33.8	28.4	42.6



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





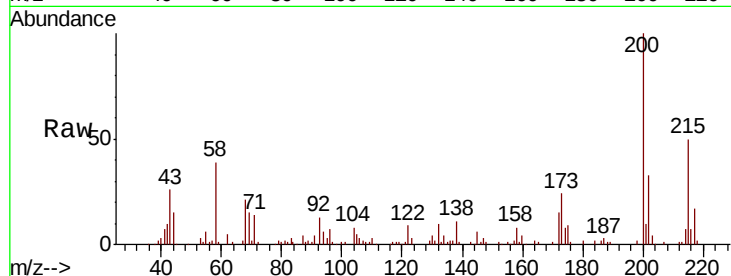
#69
Atrazine
Concen: 8.012 ng
RT: 16.90 min Scan# 2350
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.1	5.3	45.3
215	50.0	31.8	71.8

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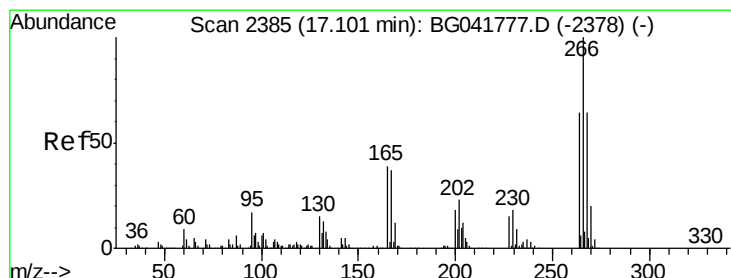
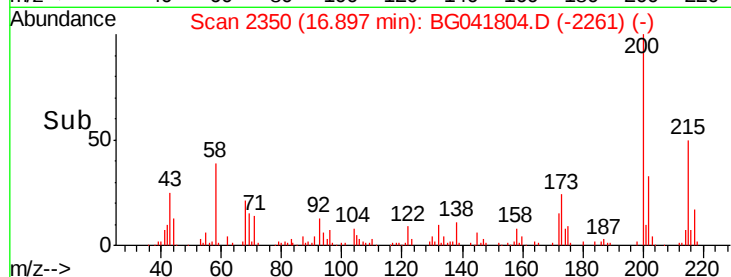
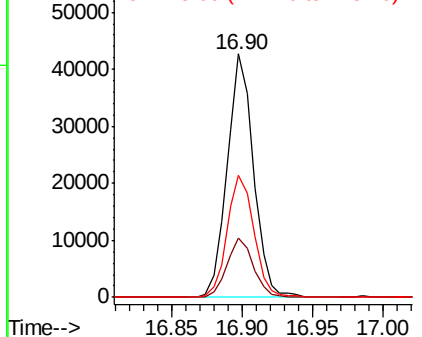


Abundance

Ion 200.00 (199.70 to 200.70): E

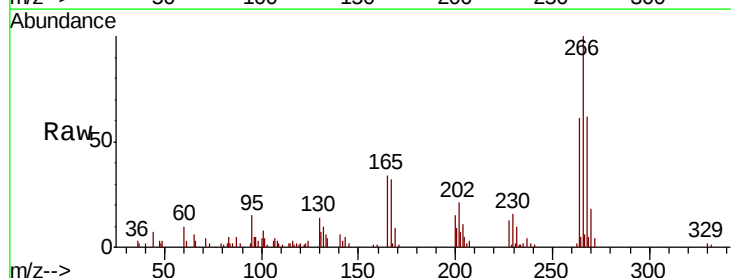
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 5.615 ng
RT: 17.10 min Scan# 2385
Delta R.T. 0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.0	52.9	79.3
264	60.9	51.4	77.2

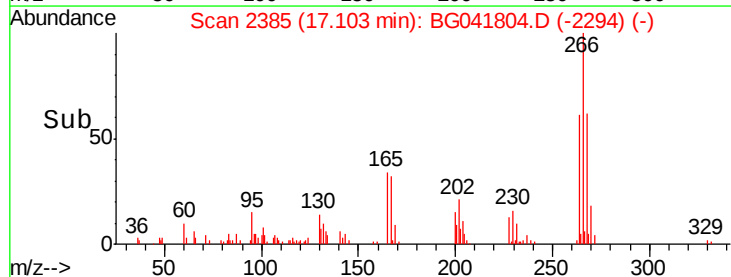
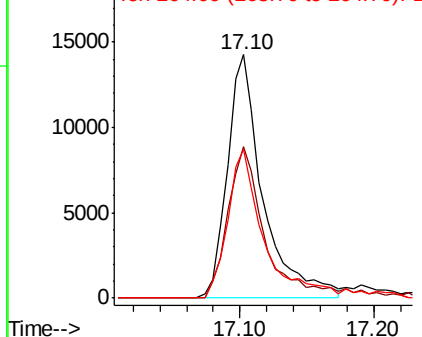


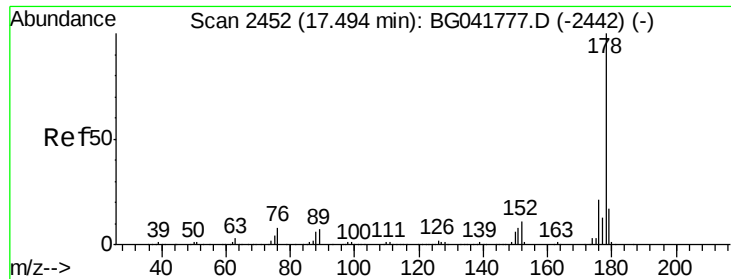
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





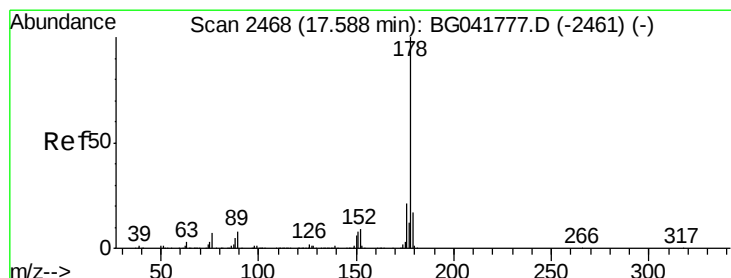
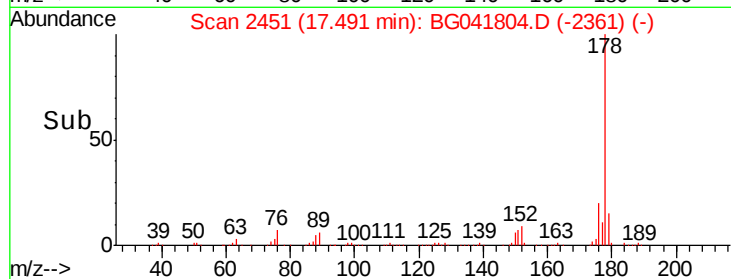
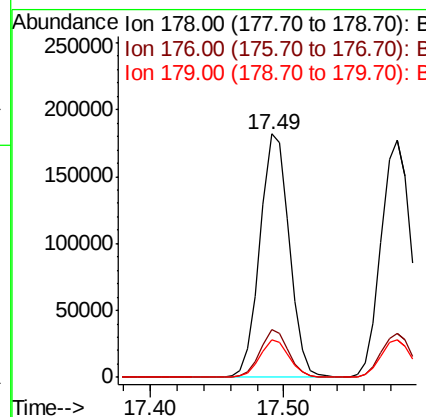
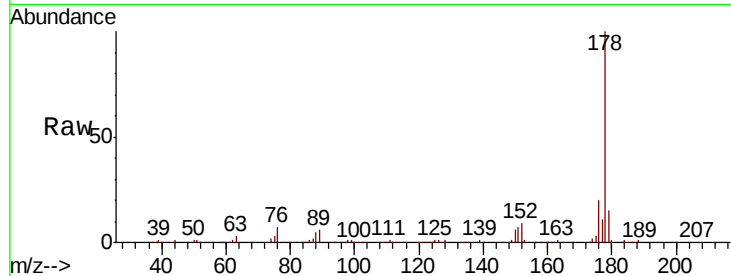
#71
Phenanthrene
Concen: 8.886 ng
RT: 17.49 min Scan# 2451
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	18.6	28.0
179	15.2	15.4	23.0

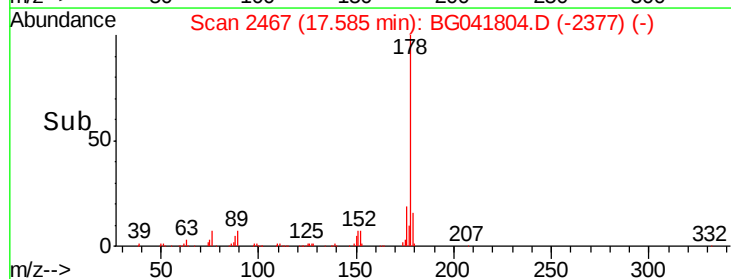
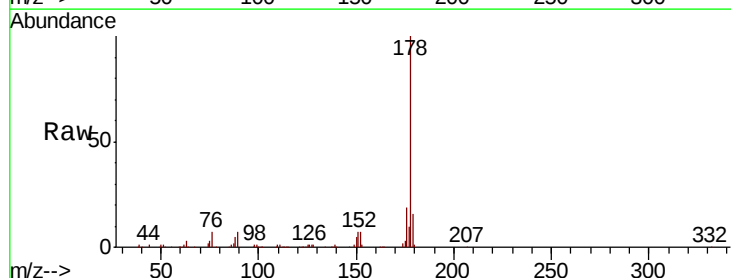
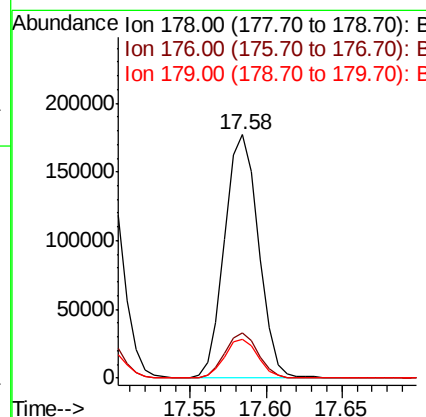
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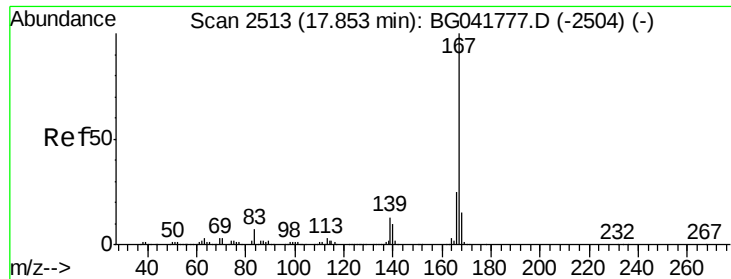
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#72
Anthracene
Concen: 8.962 ng m
RT: 17.58 min Scan# 2467
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	18.6	28.0
179	15.9	15.1	22.7





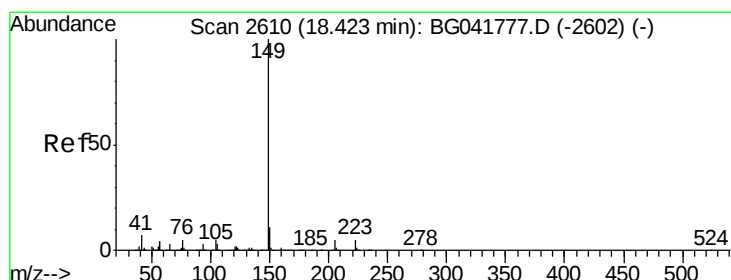
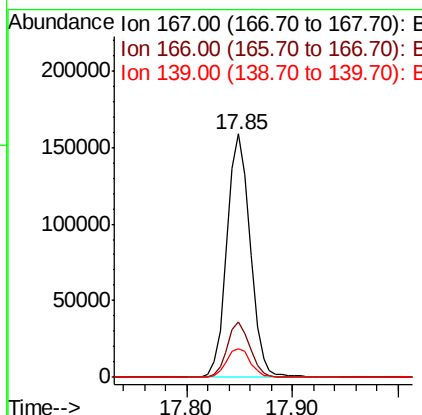
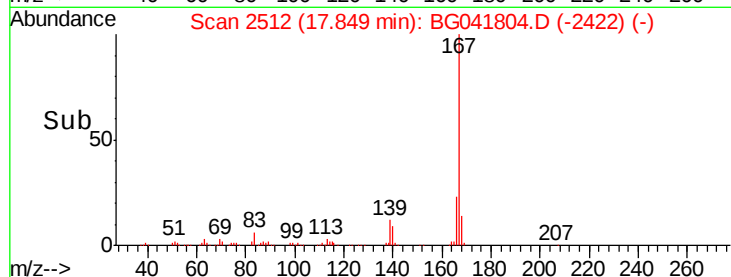
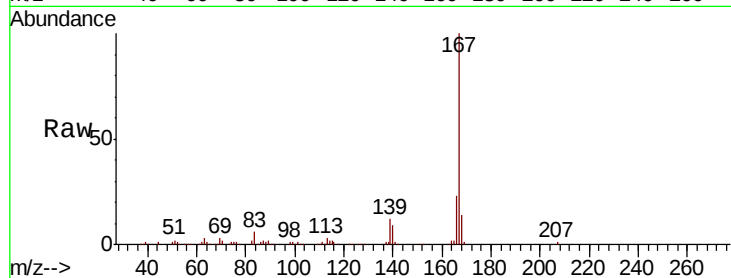
#73
 Carbazole
 Concen: 8.737 ng
 RT: 17.85 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	21.4	32.2
139	11.9	12.1	18.1

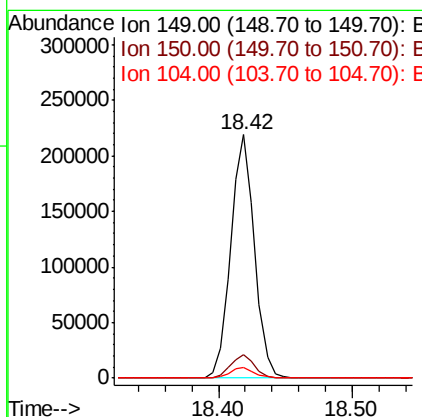
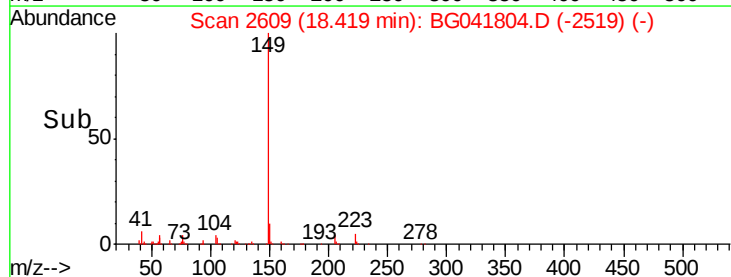
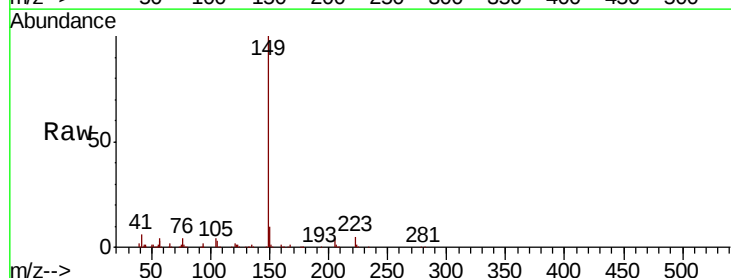
Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:04:59 PM



#74
 Di-n-butylphthalate
 Concen: 8.671 ng
 RT: 18.42 min Scan# 2609
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	10.2	15.2
104	4.2	5.3	7.9





#75

Fluoranthene

Concen: 9.231 ng

RT: 19.50 min Scan# 2793

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

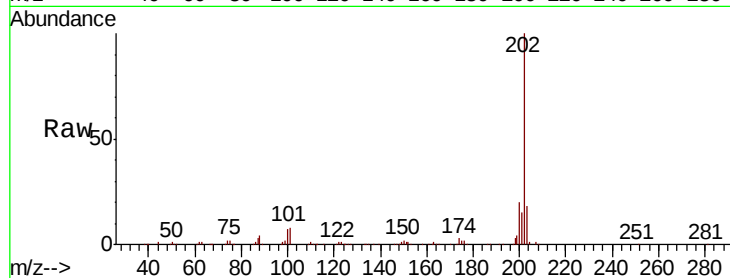
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

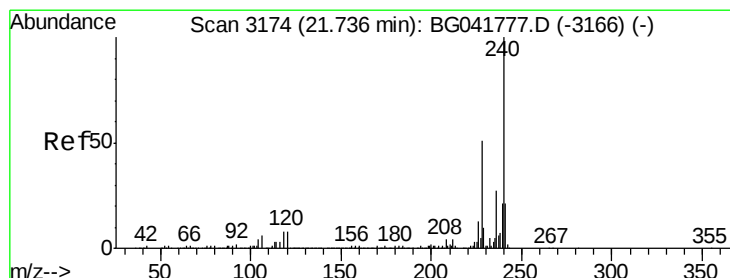
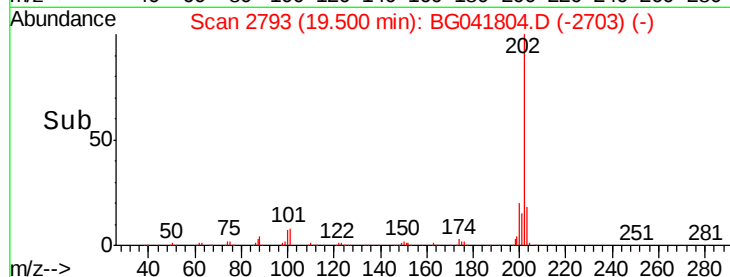
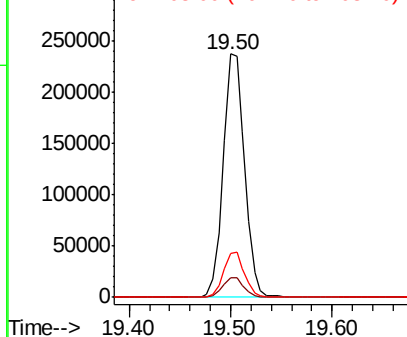
Tot Ion:	202	Resp:	347130
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	32.8
203	17.9	3.7	43.7

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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



#76

Chrysene-d12

Concen: 20.000 ng

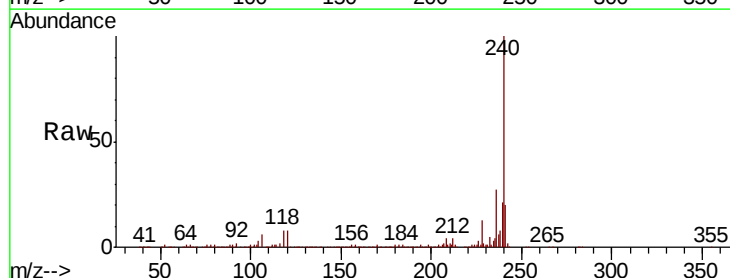
RT: 21.73 min Scan# 3173

Delta R.T. -0.00 min

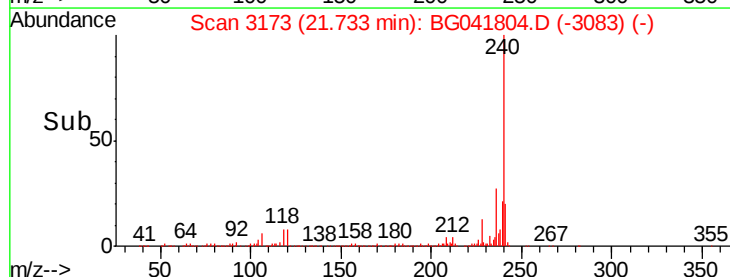
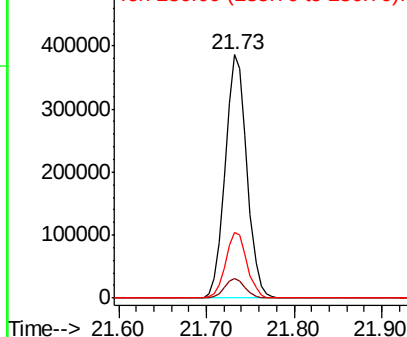
Lab File: BG041804.D

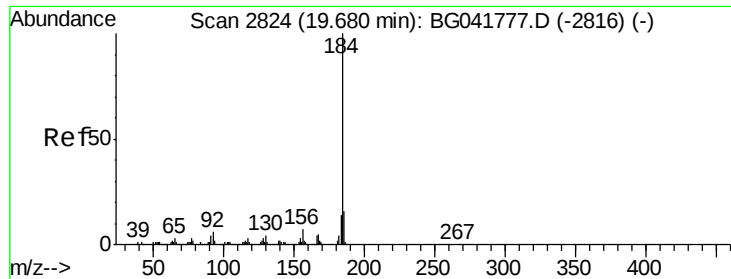
Acq: 30 Jul 2019 16:37

Tgt Ion:	240	Resp:	656890
Ion Ratio	Lower	Upper	
240	100		
120	7.9	8.0	12.0#
236	26.8	22.6	33.8



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: 6.760 ng

RT: 19.68 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

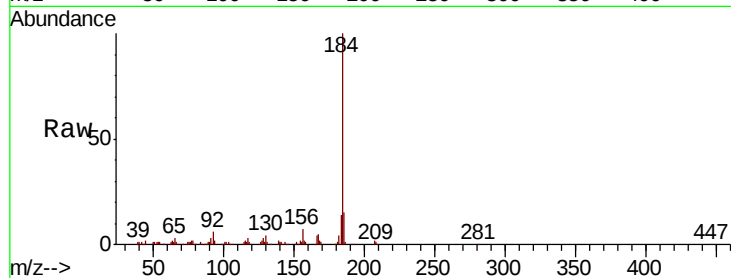
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

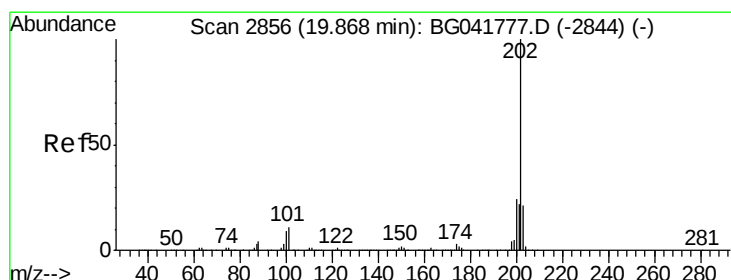
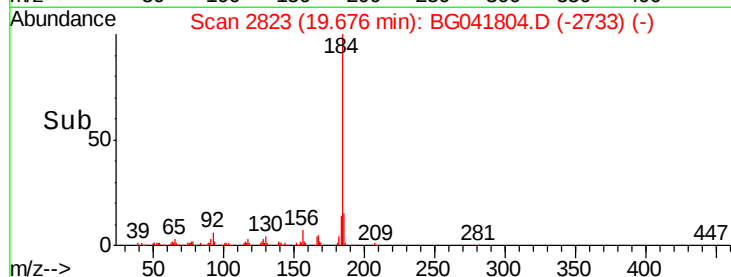
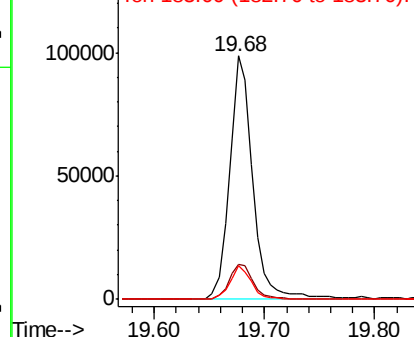
Tot Ion:	184	Resp:	144939
Ion Ratio	Lower	Upper	
184	100		
185	14.6	13.0	19.4
183	14.0	11.8	17.6

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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



#78

Pyrene

Concen: 9.228 ng

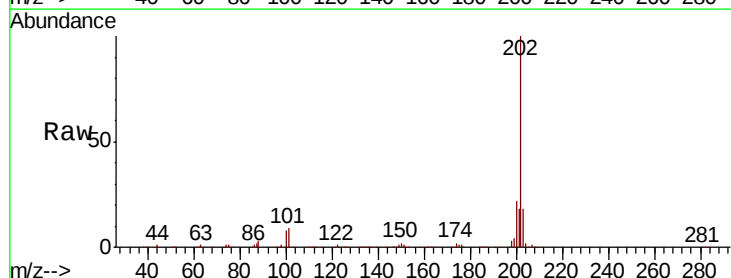
RT: 19.86 min Scan# 2855

Delta R.T. -0.00 min

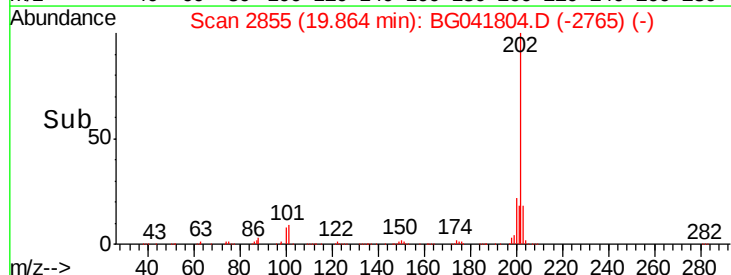
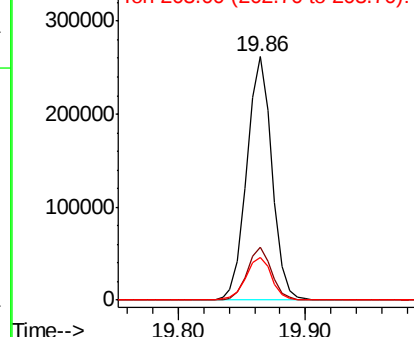
Lab File: BG041804.D

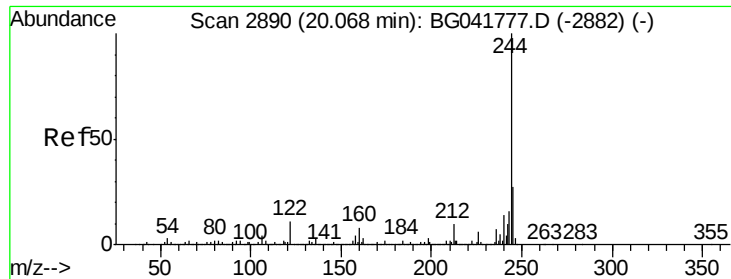
Acq: 30 Jul 2019 16:37

Tgt Ion:	202	Resp:	359156
Ion Ratio	Lower	Upper	
202	100		
200	21.5	22.2	33.2#
203	17.7	18.9	28.3#



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





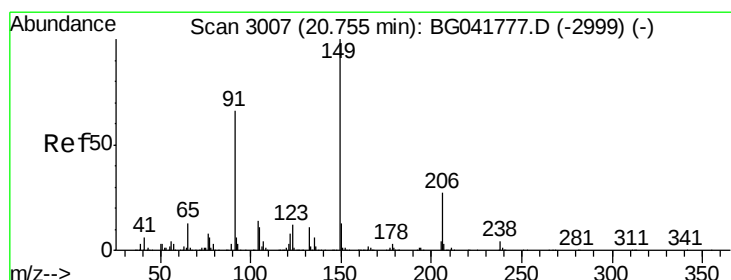
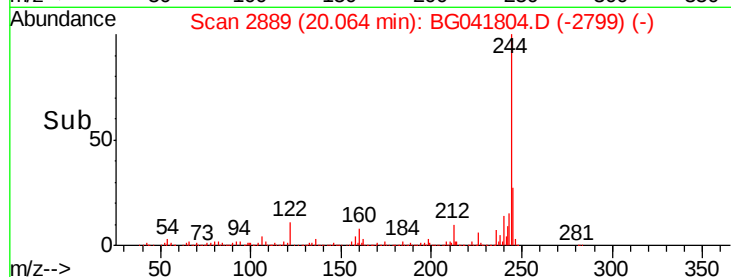
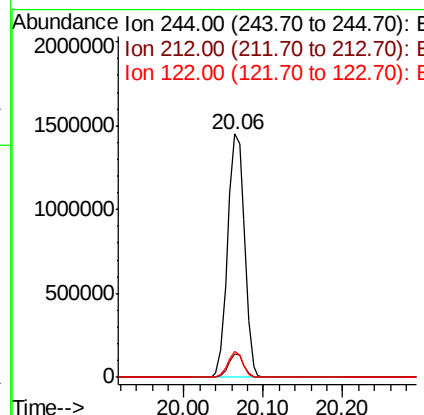
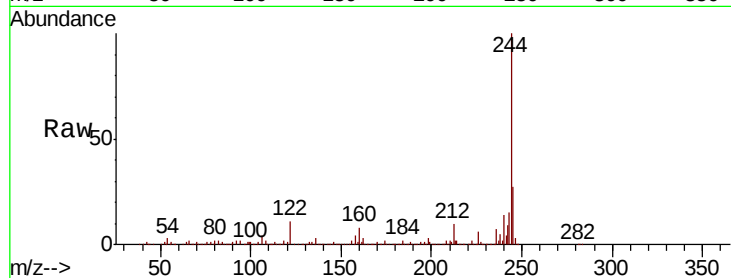
#79
 Terphenyl-d14
 Concen: 74.384 ng
 RT: 20.06 min Scan# 2889
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.6	9.7	14.5#
122	10.8	12.5	18.7#

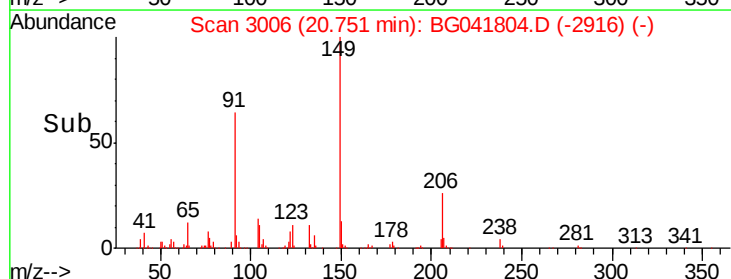
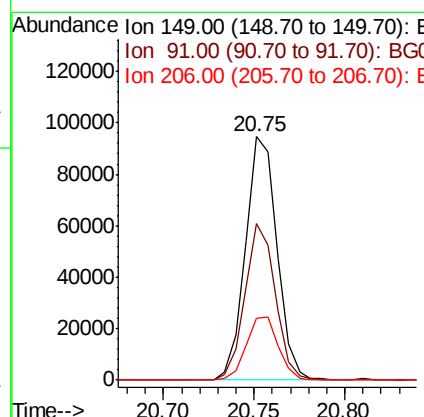
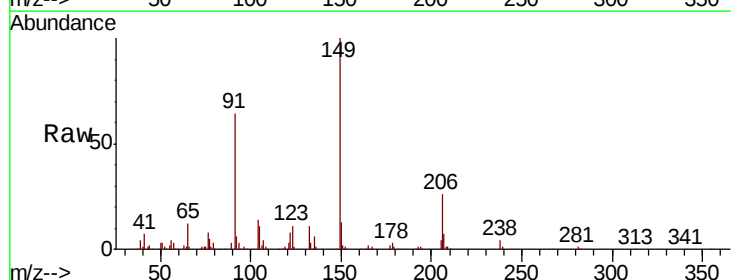
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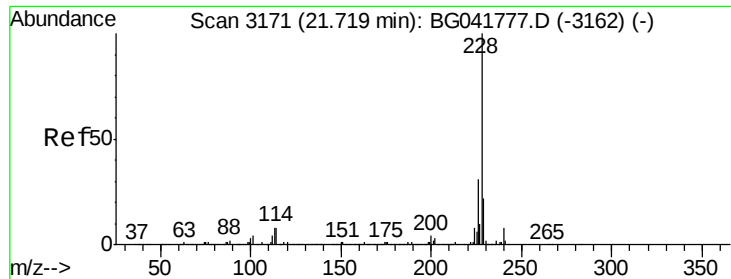
mohammad
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#80
 Butylbenzylphthalate
 Concen: 7.657 ng
 RT: 20.75 min Scan# 3006
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
149	100		
91	64.0	58.9	88.3
206	25.6	20.8	31.2





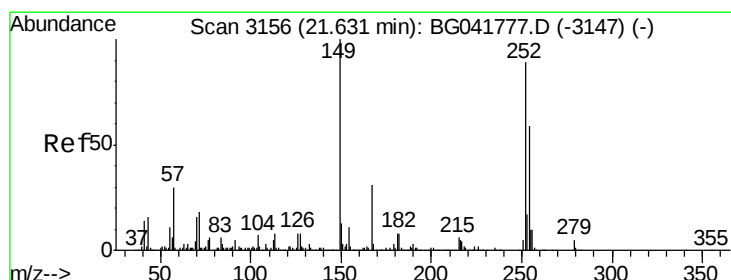
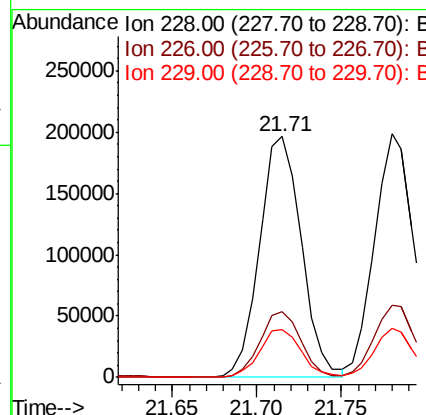
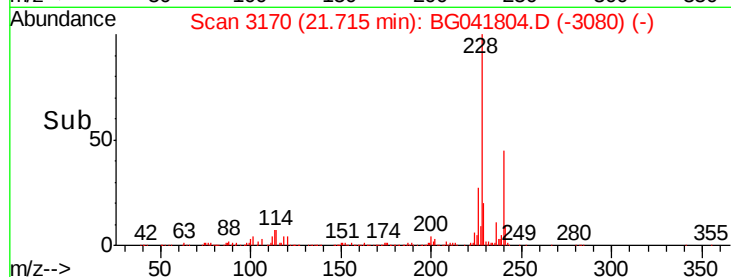
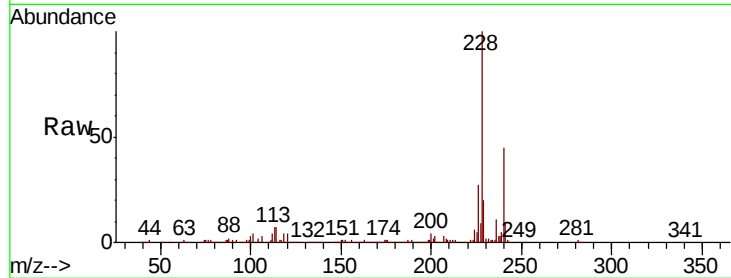
#81
Benzo(a)anthracene
Concen: 8.702 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	27.3	40.9
229	20.0	19.7	29.5

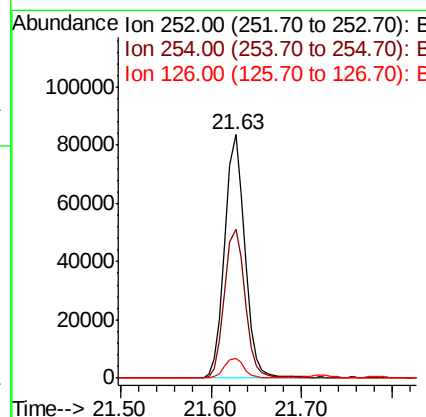
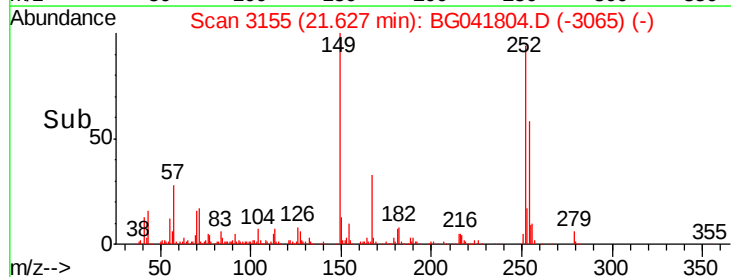
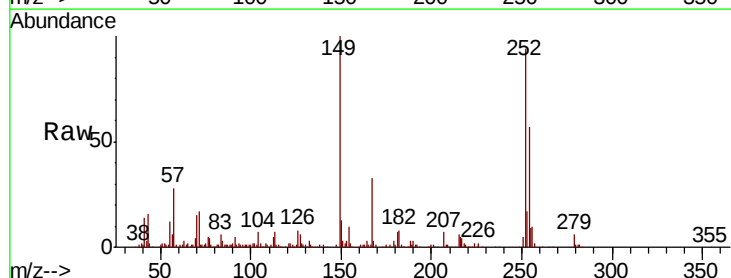
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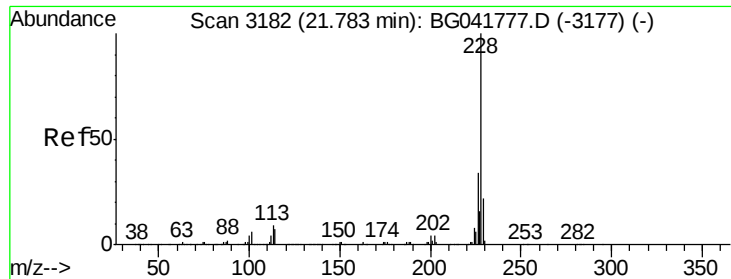
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 8.314 ng
RT: 21.63 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
252	100		
254	61.2	53.8	80.6
126	8.1	7.8	11.8





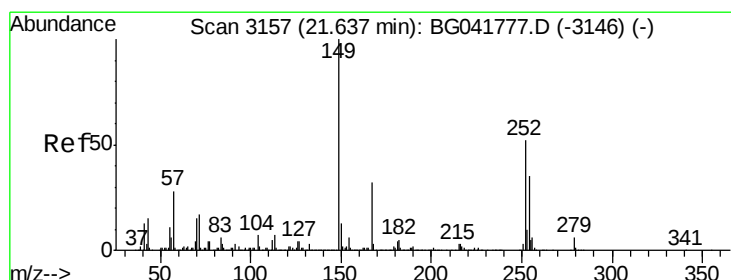
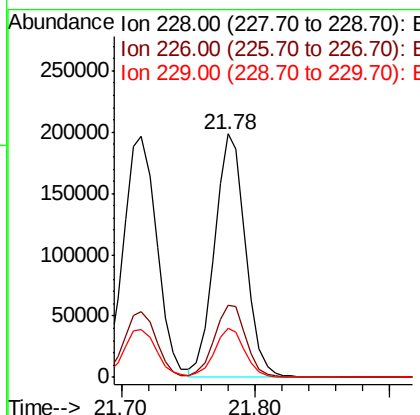
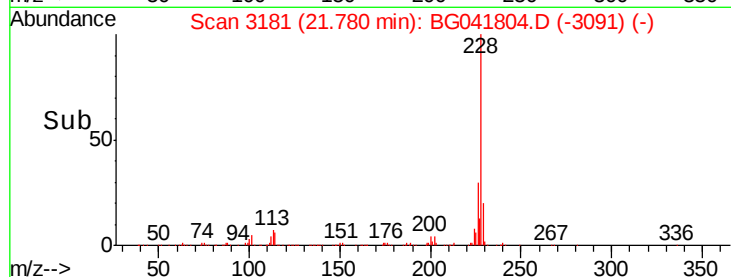
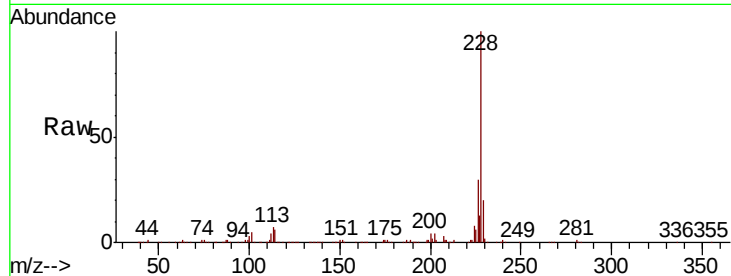
#83
Chrysene
Concen: 8.641 ng
RT: 21.78 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	30.1	45.1#
229	20.1	19.8	29.6

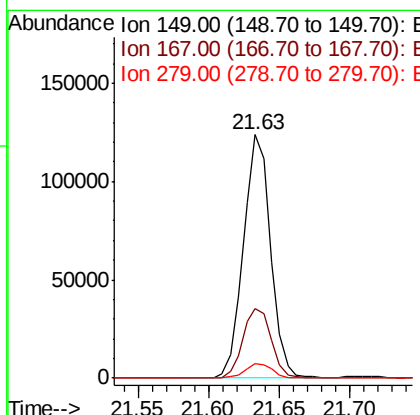
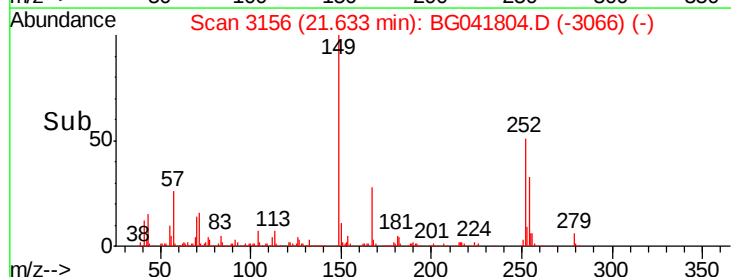
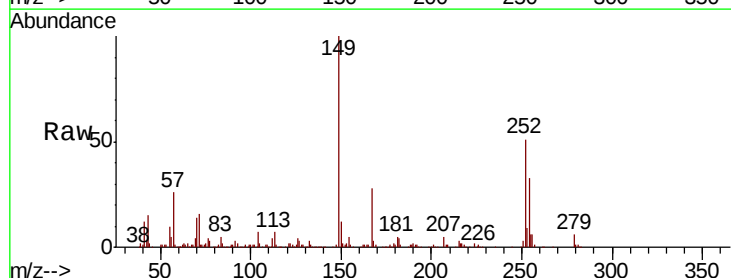
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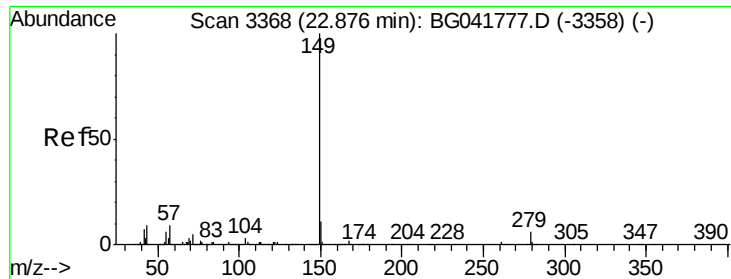
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 8.077 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.4	27.0	40.4
279	6.1	5.0	7.6





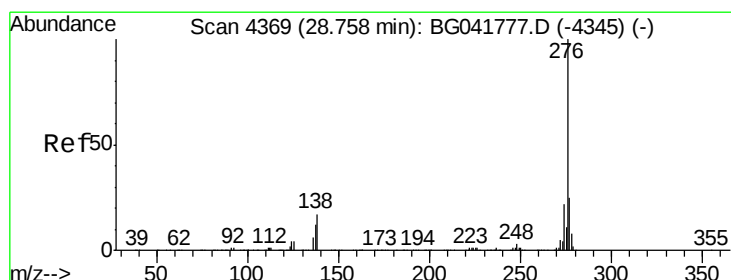
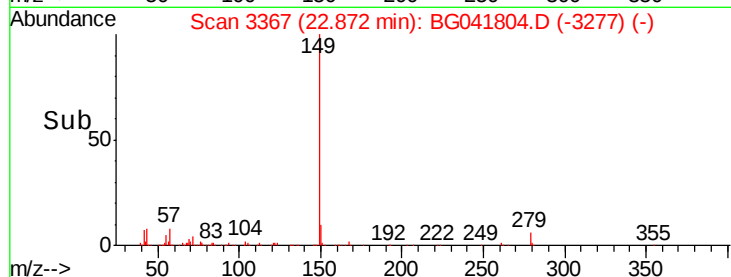
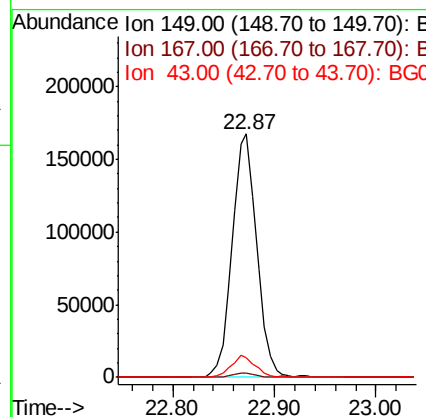
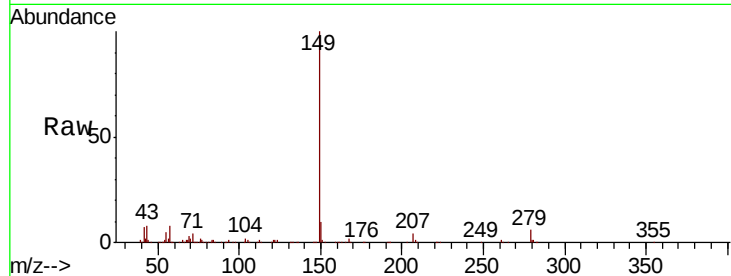
#85
Di-n-octyl phthalate
Concen: 8.124 ng
RT: 22.87 min Scan# 3367
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
149	100	281419		
167	1.7		1.6	2.4
43	8.8		10.6	16.0#

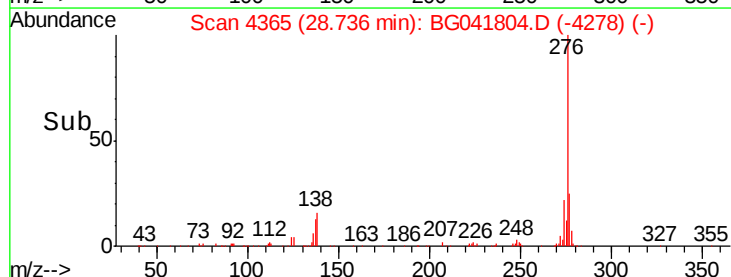
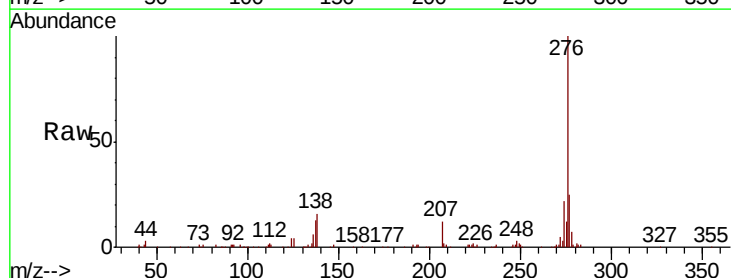
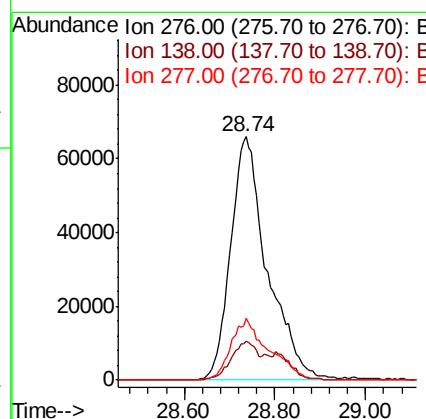
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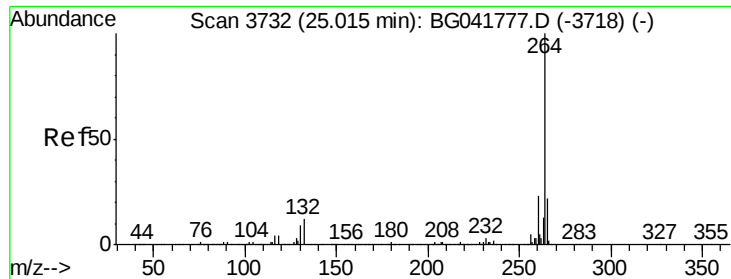
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.542 ng
RT: 28.74 min Scan# 4365
Delta R.T. -0.02 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	371943		
138	11.6		19.4	29.0#
277	26.0		21.2	31.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3730

Delta R.T. -0.01 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

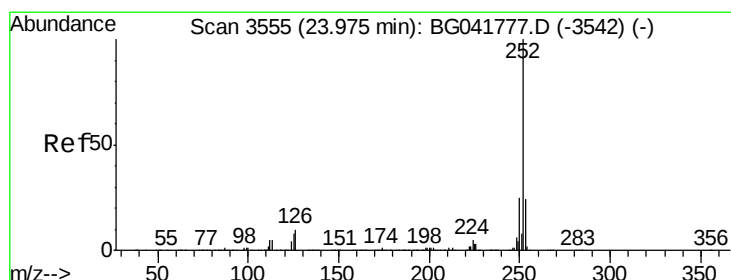
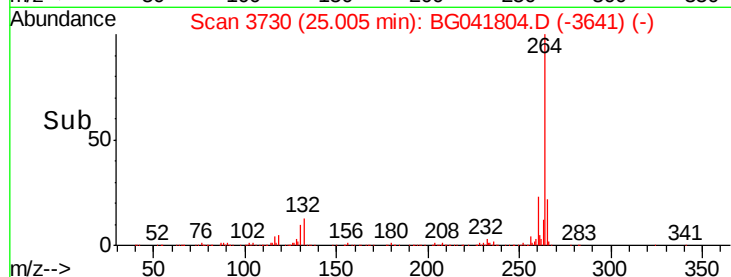
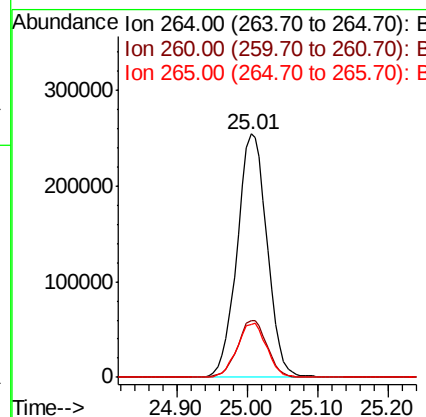
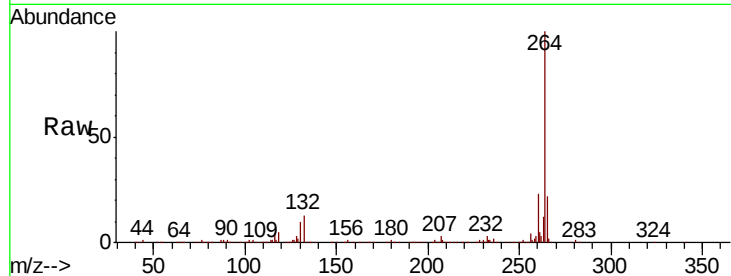
ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tot Ion:	264	Resp:	749823
Ion Ratio		Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.9	18.0	27.0

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#88

Benzo(b)fluoranthene

Concen: 8.341 ng

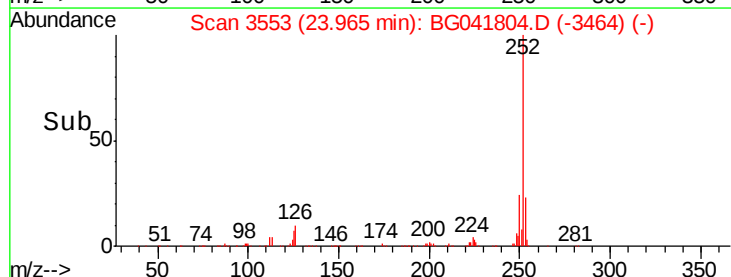
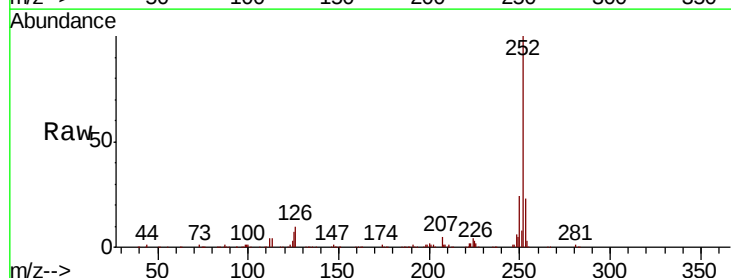
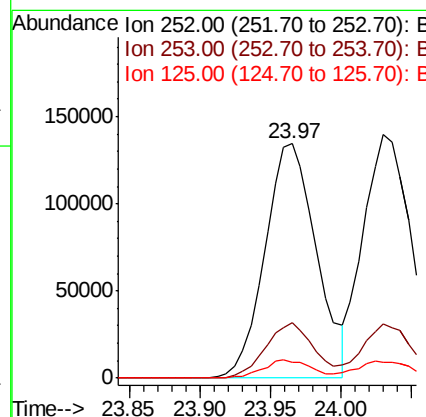
RT: 23.97 min Scan# 3553

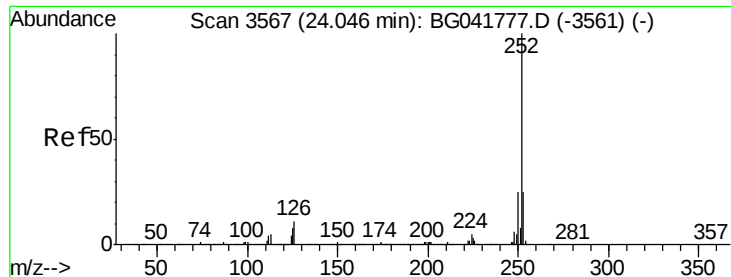
Delta R.T. -0.01 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion:	252	Resp:	342155
Ion Ratio		Lower	Upper
252	100		
253	23.5	20.6	30.8
125	6.9	8.0	12.0#





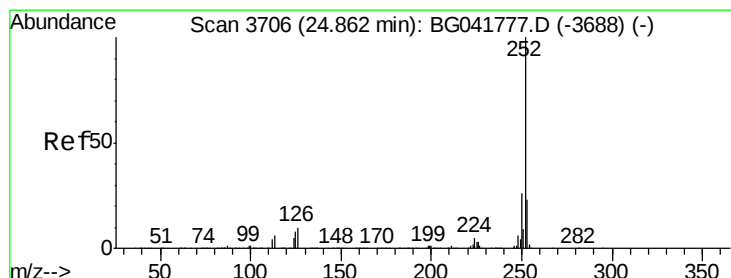
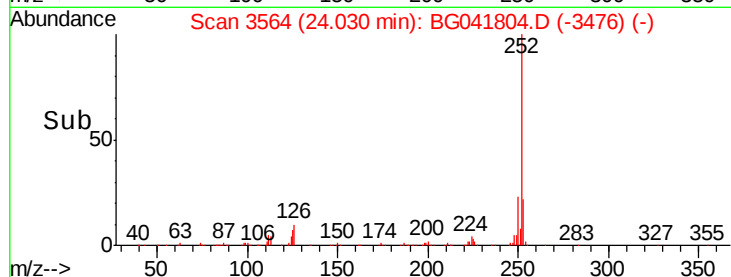
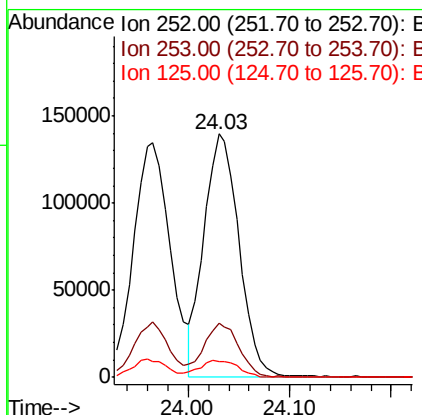
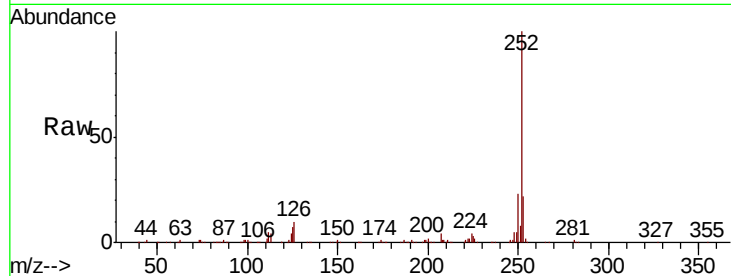
#89
Benzo(k)fluoranthene
Concen: 8.344 ng
RT: 24.03 min Scan# 3564
Delta R.T. -0.02 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	20.5	30.7
125	6.7	8.4	12.6

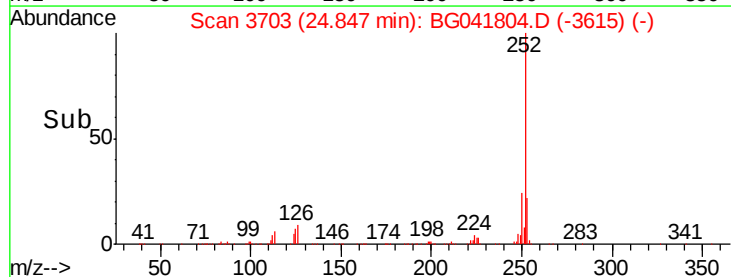
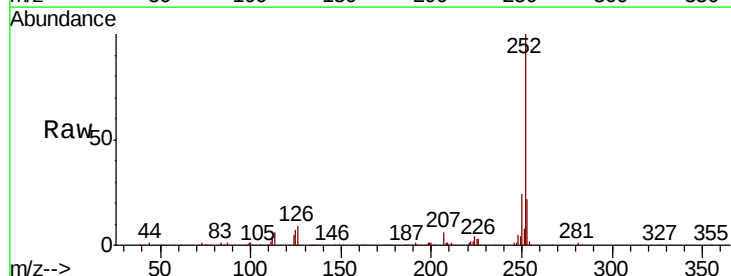
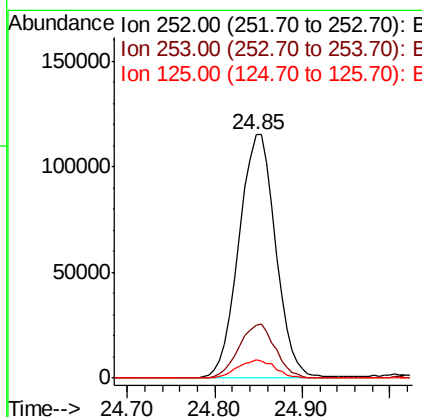
Manual Integrations
APPROVED

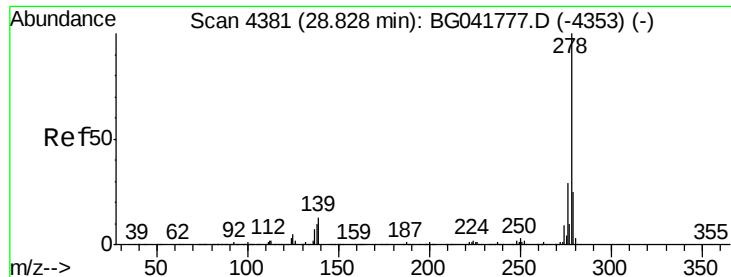
mohammad
8/1/2019 5:04:59 PM



#90
Benzo(a)pyrene
Concen: 8.401 ng
RT: 24.85 min Scan# 3703
Delta R.T. -0.02 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.8	29.8
125	7.5	8.8	13.2





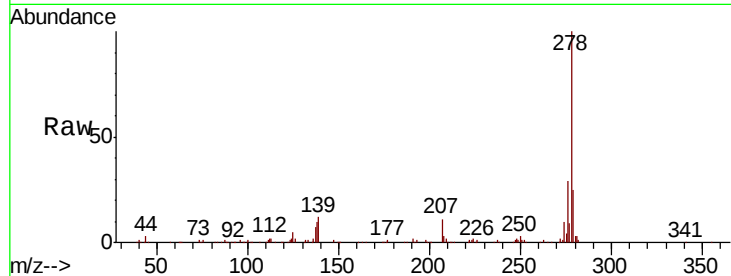
#91
Dibenzo(a,h)anthracene
Concen: 8.134 ng
RT: 28.81 min Scan# 4378
Delta R.T. -0.02 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.0	12.6	19.0#
279	24.7	20.5	30.7

Manual Integrations
APPROVED

mohammad
8/1/2019 5:04:59 PM

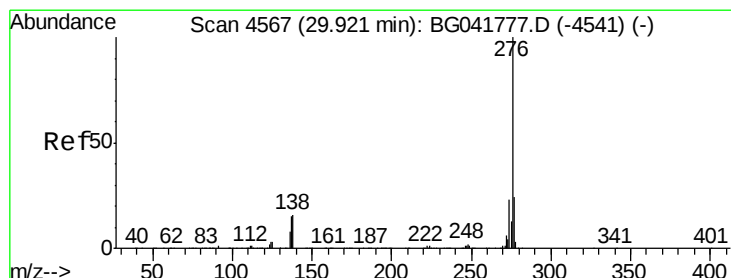
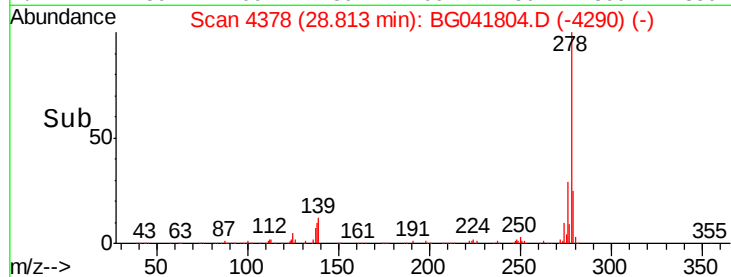
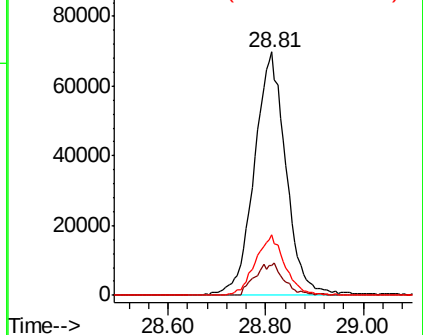


Abundance

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



#92
Benzo(g,h,i)perylene
Concen: 7.833 ng
RT: 29.90 min Scan# 4563
Delta R.T. -0.02 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.8
138	15.4	16.6	25.0#

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

