

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062419\
 Data File : BG041422.D
 Acq On : 24 Jun 2019 13:02
 Operator : HP/JU
 Sample : K2241-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Manual Integrations
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mohammad
 6/28/2019 8:24:24 AM

Quant Time: Jun 25 05:25:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	22486	20.00	ng	-0.04
21) Naphthalene-d8	10.86	136	83610	20.00	ng	-0.05
39) Acenaphthene-d10	14.68	164	62807	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	174288	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	192086	20.00	ng	-0.04
87) Perylene-d12	24.99	264	196760	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	155832	127.34	ng	-0.04
7) Phenol-d6	7.19	99	224239	126.41	ng	-0.04
23) Nitrobenzene-d5	9.22	82	179920	90.50	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	150018	155.58	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	439824	95.18	ng	-0.03
79) Terphenyl-d14	20.03	244	937088	96.68	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.42	88	5413m	8.821	ng	
3) Pyridine	3.86	79	9188m	5.644	ng	
4) n-Nitrosodimethylamine	3.78	42	5554m	6.397	ng	
6) Aniline	7.37	93	16099	6.529	ng	99
8) 2-Chlorophenol	7.60	128	10051	6.990	ng	93
9) Benzaldehyde	7.19	77	11784	10.386	ng	88
10) Phenol	7.22	94	12977	6.803	ng	91
11) bis(2-Chloroethyl)ether	7.46	93	10907	7.536	ng	89
12) 1,3-Dichlorobenzene	7.93	146	12320	6.843	ng	90
13) 1,4-Dichlorobenzene	8.08	146	13611	7.401	ng	94
14) 1,2-Dichlorobenzene	8.39	146	12303	7.004	ng	97
15) Benzyl Alcohol	8.30	79	6157	3.623	ng	# 79
16) 2,2'-oxybis(1-Chloropropan	8.56	45	15447	6.519	ng	87
17) 2-Methylphenol	8.49	107	10385	7.615	ng	93
18) Hexachloroethane	9.12	117	5256	7.212	ng	94
19) n-Nitroso-di-n-propylamine	8.85	70	10246	7.142	ng	91
20) 3+4-Methylphenols	8.82	107	11544	6.359	ng	95
22) Acetophenone	8.87	105	20449	8.405	ng	# 95
24) Nitrobenzene	9.27	77	17018	8.511	ng	# 91
25) Isophorone	9.77	82	28665	7.859	ng	# 96
26) 2-Nitrophenol	9.99	139	5638	6.955	ng	93
27) 2,4-Dimethylphenol	10.03	122	9850	8.107	ng	98
28) bis(2-Chloroethoxy)methane	10.27	93	13419	7.061	ng	98
29) 2,4-Dichlorophenol	10.53	162	10372	6.884	ng	96
30) 1,2,4-Trichlorobenzene	10.72	180	14614	7.574	ng	94
31) Naphthalene	10.91	128	36076	7.939	ng	98
33) 4-Chloroaniline	11.04	127	12480	6.467	ng	# 87
34) Hexachlorobutadiene	11.17	225	11752	7.673	ng	94
35) Caprolactam	11.82	113	3209	6.187	ng	# 58
36) 4-Chloro-3-methylphenol	12.15	107	12563	7.219	ng	91
37) 2-Methylnaphthalene	12.52	142	26745	7.991	ng	96
38) 1-Methylnaphthalene	12.74	142	26461	8.264	ng	90
40) 1,2,4,5-Tetrachlorobenzene	12.88	216	21900	8.444	ng	# 97
41) Hexachlorocyclopentadiene	12.84	237	9116	5.218	ng	94

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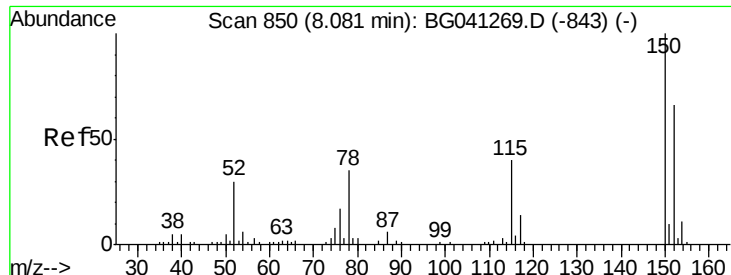
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Quant Time: Jun 25 05:25:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	13.21	196	10706	6.673	nq	95
44) 2,4,5-Trichlorophenol	13.21	196	10706	6.485	nq	96
46) 1,1'-Biphenyl	13.52	154	39401	8.298	nq	98
47) 2-Chloronaphthalene	13.56	162	29731	7.273	nq	93
48) 2-Nitroaniline	13.79	65	10837	7.238	nq	96
49) Acenaphthylene	14.41	152	49753	8.020	nq	96
50) Dimethylphthalate	14.13	163	43936	7.862	nq	96
51) 2,6-Dinitrotoluene	14.26	165	9234	7.837	nq	92
52) Acenaphthene	14.74	154	29301	8.044	nq	97
53) 3-Nitroaniline	14.62	138	7113	6.127	nq	# 95
54) 2,4-Dinitrophenol	14.84	184	2088	7.161	nq	99
55) Dibenzofuran	15.08	168	51757	8.172	nq	99
56) 4-Nitrophenol	14.93	139	3298	6.805	nq	# 82
57) 2,4-Dinitrotoluene	15.06	165	13857	8.045	nq	# 89
58) Fluorene	15.73	166	41453	8.320	nq	95
59) 2,3,4,6-Tetrachlorophenol	15.31	232	13699	8.025	nq	# 99
60) Diethylphthalate	15.48	149	45548	8.019	nq	97
61) 4-Chlorophenyl-phenylether	15.71	204	25702	7.929	nq	98
62) 4-Nitroaniline	15.77	138	7839m	6.313	nq	
63) Azobenzene	16.01	77	39897	7.873	nq	98
65) 4,6-Dinitro-2-methylphenol	15.83	198	6041	5.340	nq	92
66) n-Nitrosodiphenylamine	15.93	169	37093	8.015	nq	98
67) 4-Bromophenyl-phenylether	16.61	248	16186	7.182	nq	98
68) Hexachlorobenzene	16.72	284	18423	7.634	nq	97
69) Atrazine	16.87	200	15402	7.042	nq	98
70) Pentachlorophenol	17.09	266	3807	3.081	nq	88
71) Phenanthrene	17.47	178	76715	8.253	nq	96
72) Anthracene	17.56	178	78282	8.542	nq	98
73) Carbazole	17.84	167	65399	8.158	nq	97
74) Di-n-butylphthalate	18.36	149	78951	7.893	nq	# 96
75) Fluoranthene	19.48	202	103553	8.385	nq	98
77) Benzidine	19.67	184	32510	6.997	nq	98
78) Pyrene	19.84	202	107714	8.315	nq	98
80) Butylbenzylphthalate	20.70	149	37494	7.652	nq	92
81) Benzo(a)anthracene	21.68	228	102214	7.859	nq	98
82) 3,3'-Dichlorobenzidine	21.60	252	36076	7.902	nq	100
83) Chrysene	21.75	228	101488	8.114	nq	95
84) Bis(2-ethylhexyl)phthalate	21.55	149	51996	7.787	nq	# 97
85) Di-n-octyl phthalate	22.76	149	87393	7.736	nq	98
86) Indeno(1,2,3-cd)pyrene	28.75	276	110247	7.429	nq	# 78
88) Benzo(b)fluoranthene	23.93	252	95644	7.844	nq	99
89) Benzo(k)fluoranthene	24.00	252	96121	7.957	nq	99
90) Benzo(a)pyrene	24.83	252	93235	8.096	nq	99
91) Dibenzo(a,h)anthracene	28.80	278	91093	7.857	nq	97
92) Benzo(g,h,i)perylene	29.94	276	90015	7.856	nq	# 97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

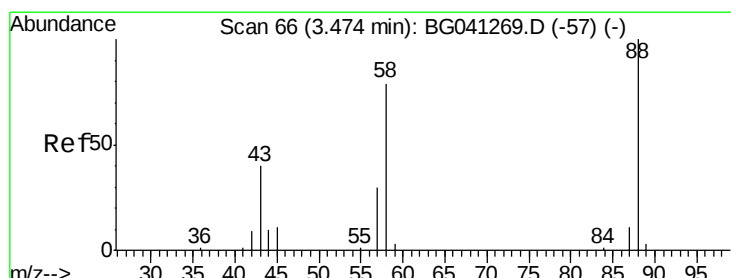
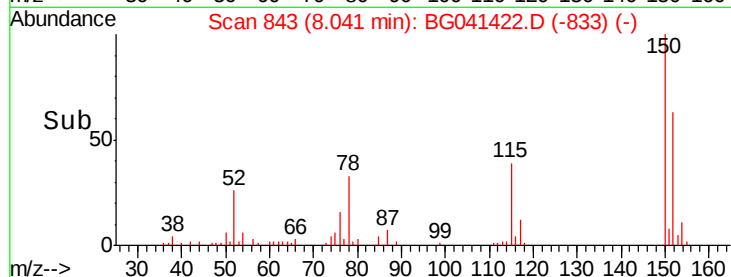
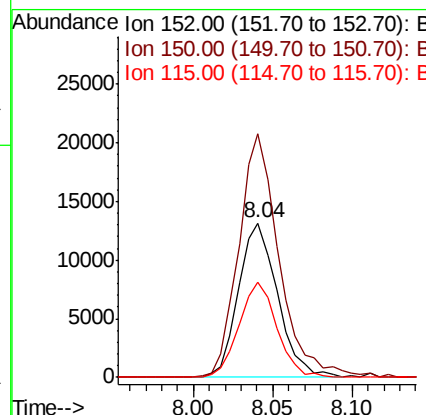
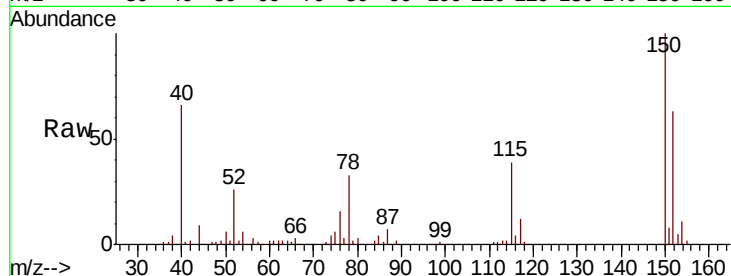
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	152	Resp:	22486
Ion	Ratio	Lower	Upper
152	100		
150	157.9	120.6	181.0
115	61.8	47.9	71.9

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#2

1,4-Dioxane

Concen: 8.821 ng m

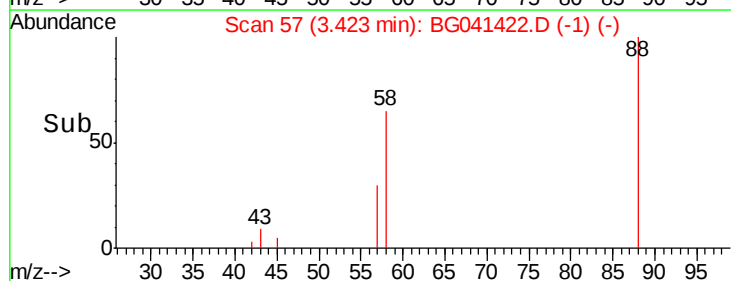
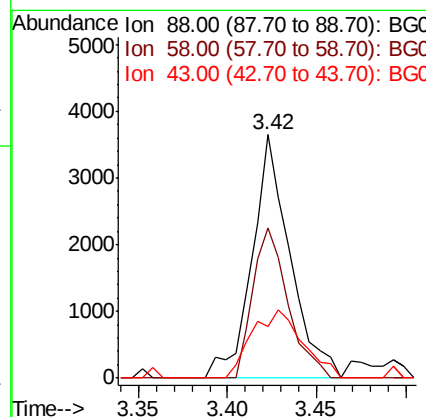
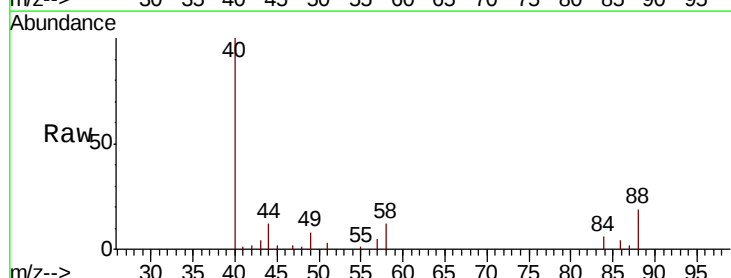
RT: 3.42 min Scan# 57

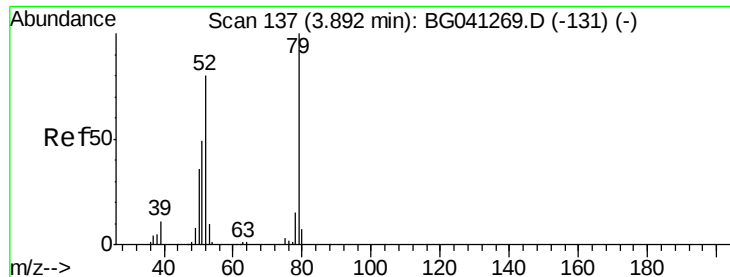
Delta R.T. -0.05 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Tgt Ion:	88	Resp:	5413
Ion	Ratio	Lower	Upper
88	100		
58	0.0	59.7	89.5#
43	0.0	31.9	47.9#





#3

Pvridine

Concen: 5.644 ng m

RT: 3.86 min Scan# 131

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

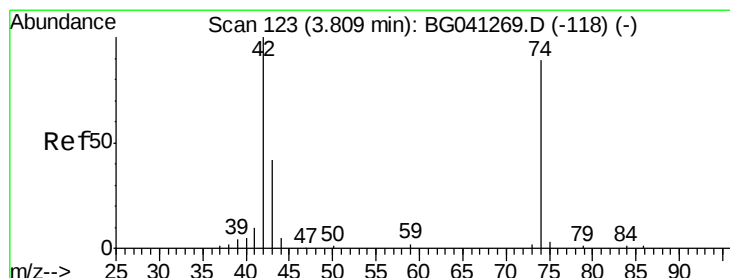
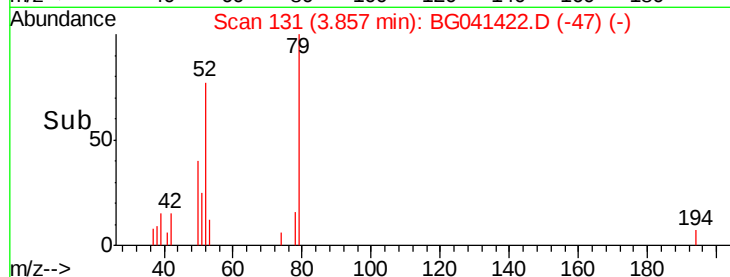
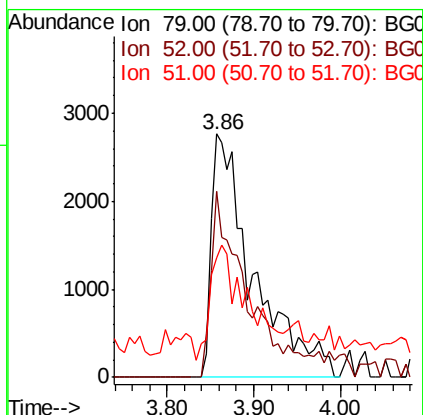
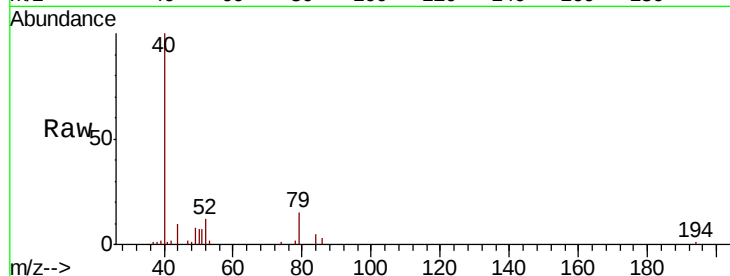
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	79	Resp:	9188
Ion	Ratio	Lower	Upper
79	100		
52	76.6	63.6	95.4
51	49.0	39.8	59.6

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#4

n-Nitrosodimethylamine

Concen: 6.397 ng m

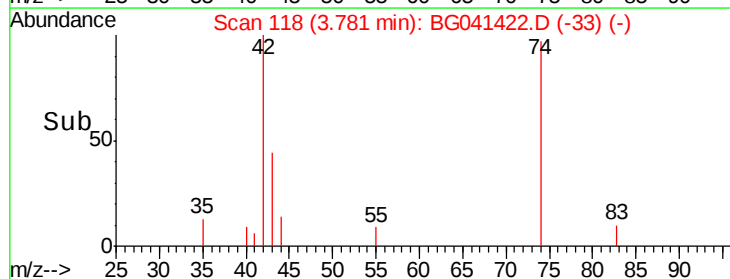
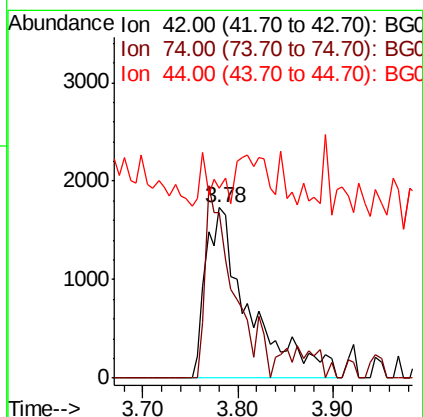
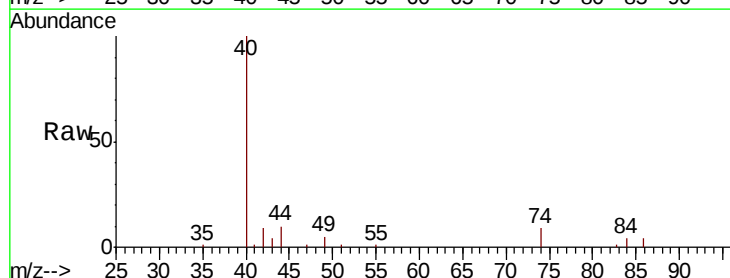
RT: 3.78 min Scan# 118

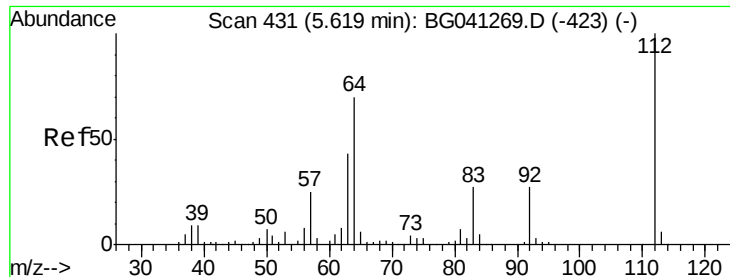
Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Tgt Ion:	42	Resp:	5554
Ion	Ratio	Lower	Upper
42	100		
74	97.4	71.6	107.4
44	111.2	9.0	13.4#





#5

2-Fluorophenol

Concen: 127.336 ng

RT: 5.58 min Scan# 424

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

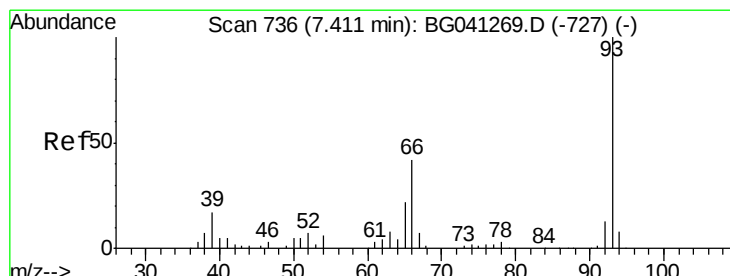
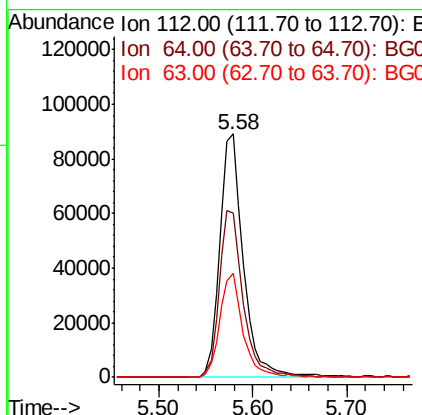
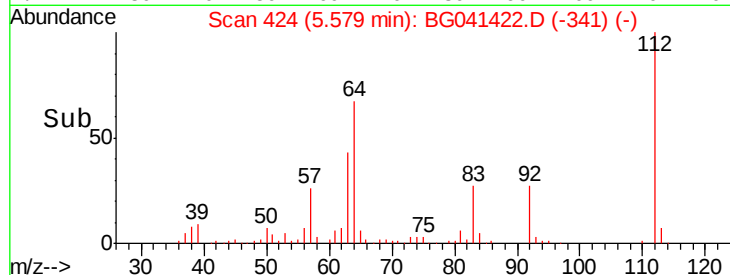
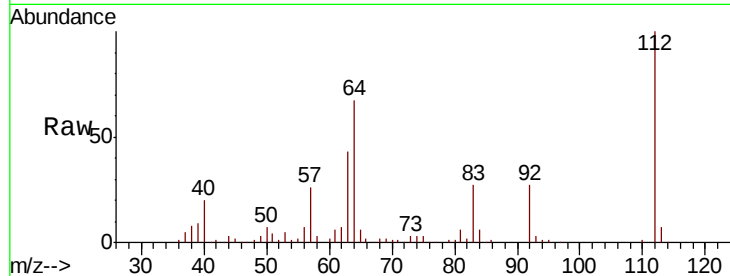
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	112	Resp:	155832
Ion Ratio	Lower	Upper	
112	100		
64	67.5	55.9	83.9
63	42.6	34.6	51.8

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#6

Aniline

Concen: 6.529 ng

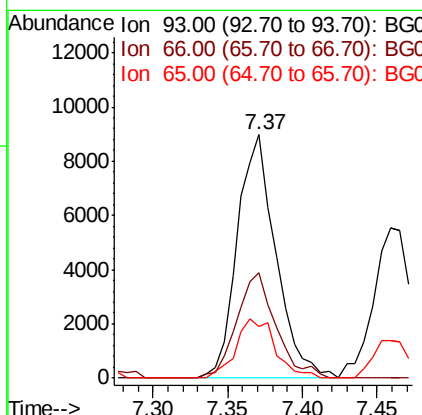
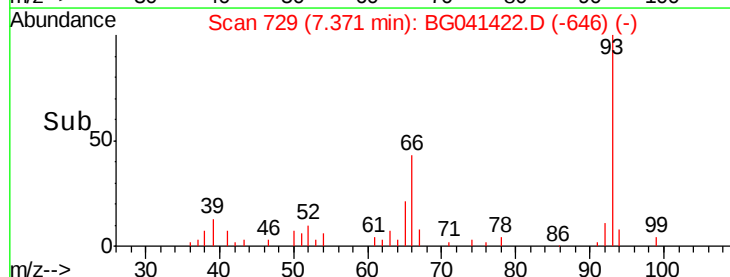
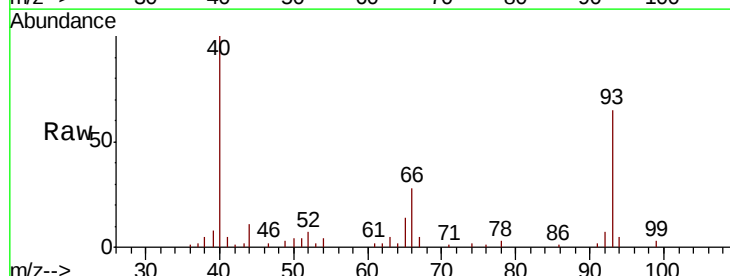
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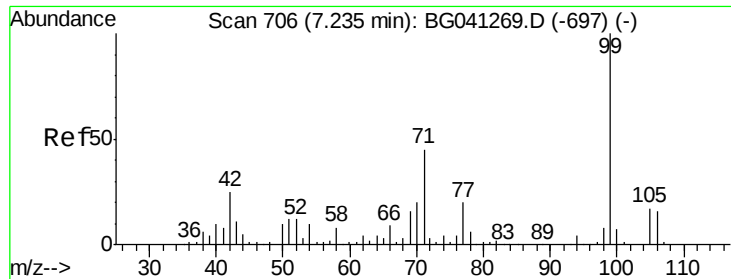
Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Tgt Ion:	93	Resp:	16099
Ion Ratio	Lower	Upper	
93	100		
66	43.2	34.2	51.2
65	21.2	17.7	26.5





#7

Phenol-d6

Concen: 126.411 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

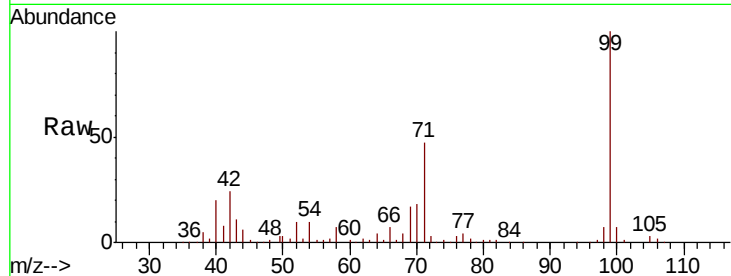
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		224239		
42	24.0	19.9	29.9		
71	46.7	36.4	54.6		

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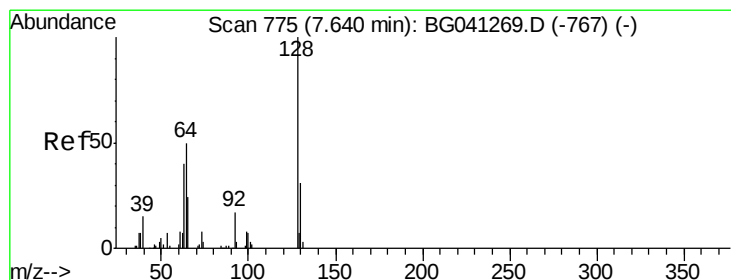
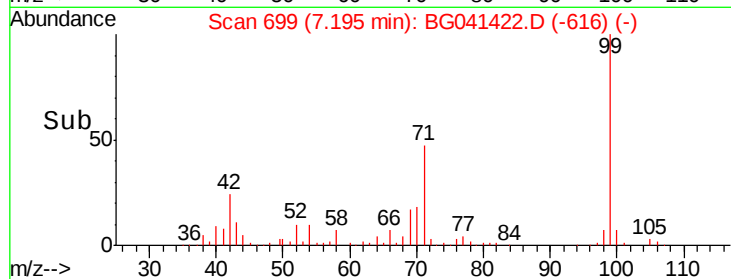
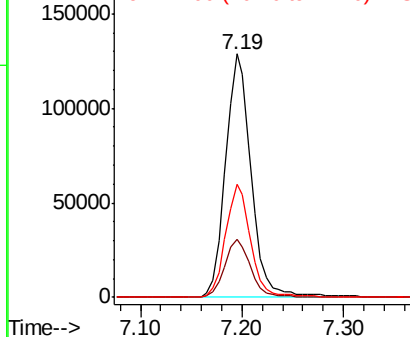


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 6.990 ng

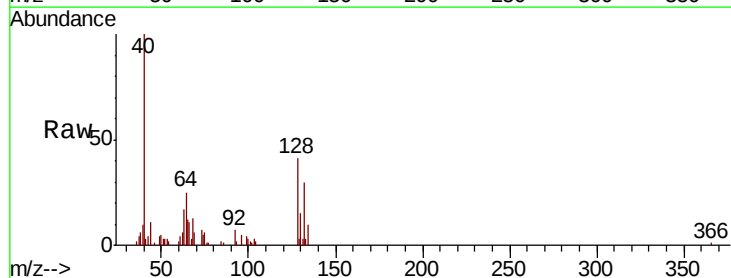
RT: 7.60 min Scan# 768

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		10051		
130	36.8	11.1	51.1		
64	60.5	36.6	76.6		

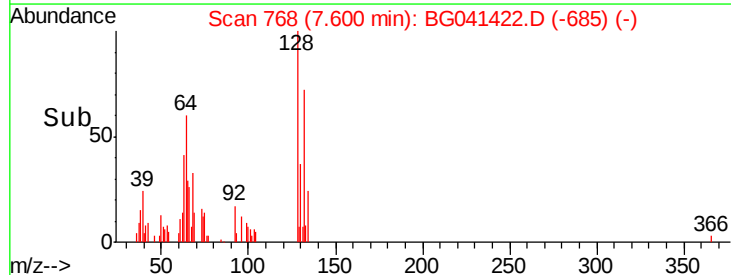
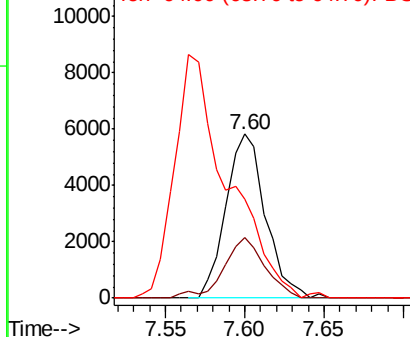


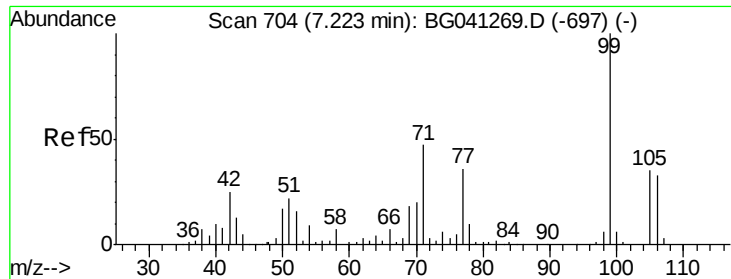
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 10.386 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

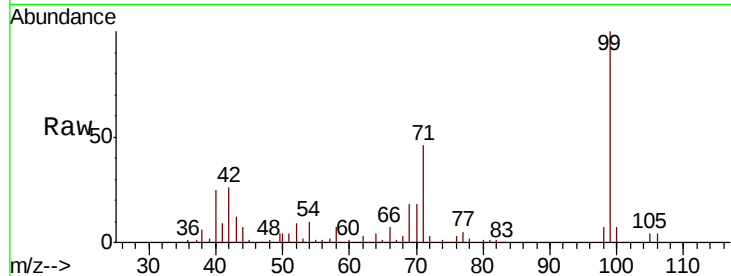
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

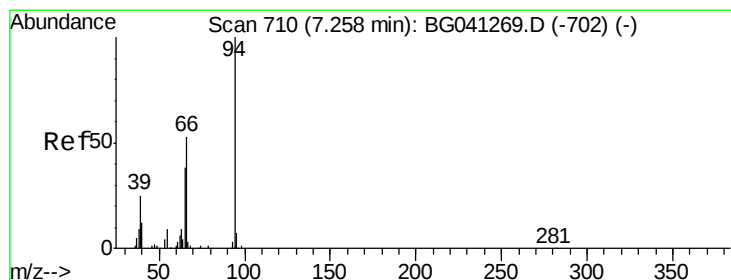
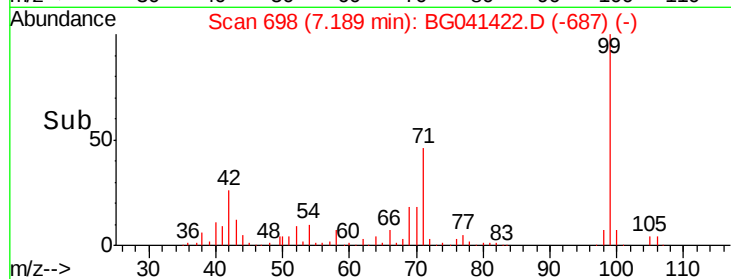
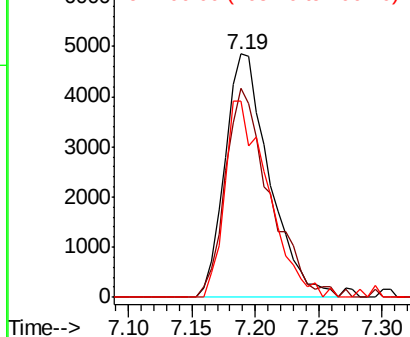
Tot Ion:	77	Resp:	11784
Ion Ratio	Lower	Upper	
77	100		
105	85.8	78.7	118.7
106	80.5	71.1	111.1

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Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 6.803 ng

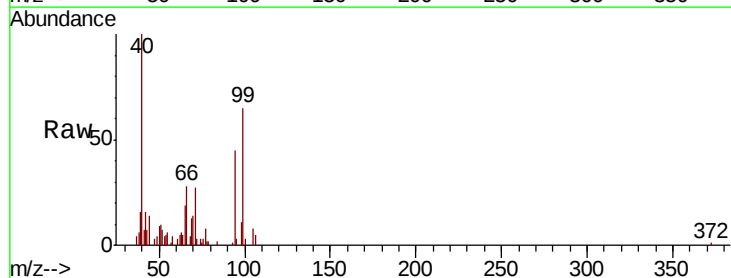
RT: 7.22 min Scan# 704

Delta R.T. -0.03 min

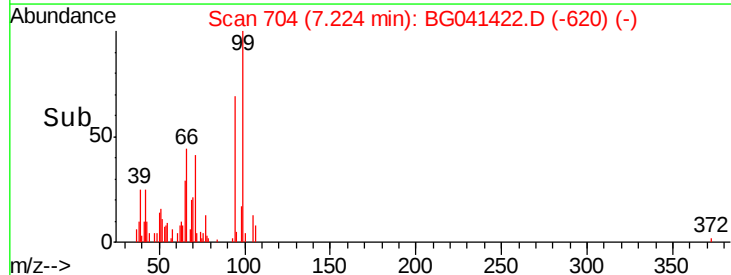
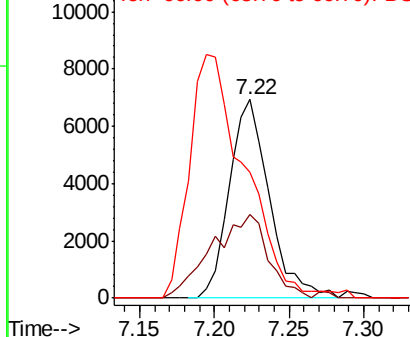
Lab File: BG041422.D

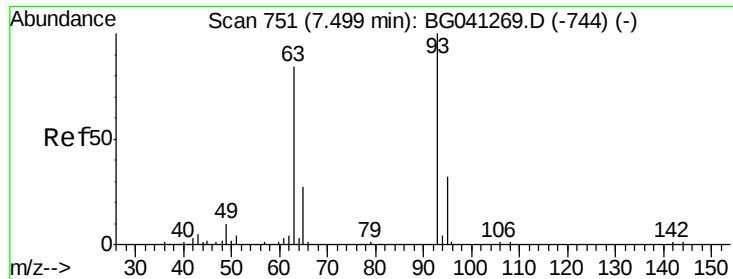
Acq: 24 Jun 2019 13:02

Tgt Ion:	94	Resp:	12977
Ion Ratio	Lower	Upper	
94	100		
65	42.0	18.7	58.7
66	63.4	35.5	75.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#11

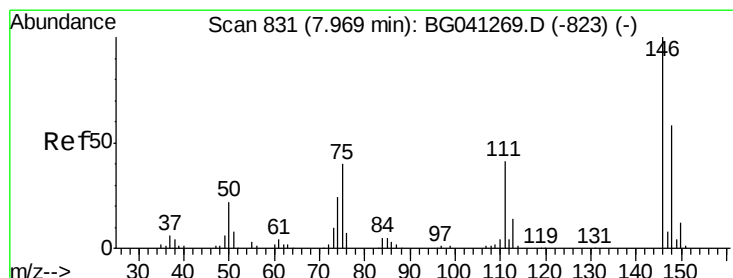
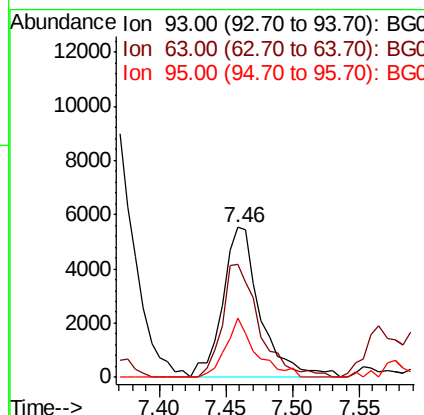
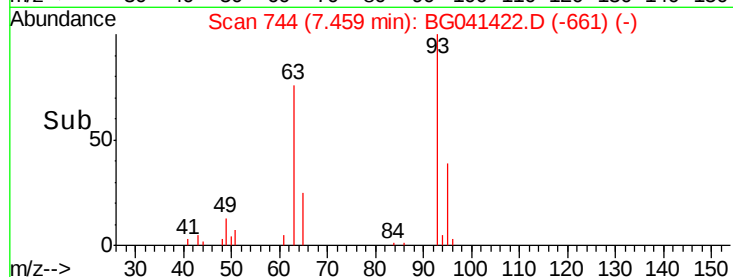
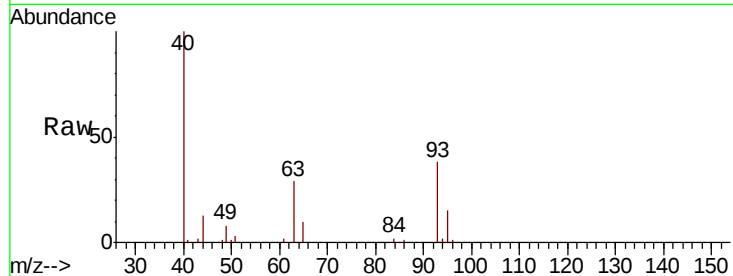
bis(2-Chloroethyl)ether
Concen: 7.536 ng
RT: 7.46 min Scan# 744
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	75.6	63.6	103.6
95	39.4	11.2	51.2

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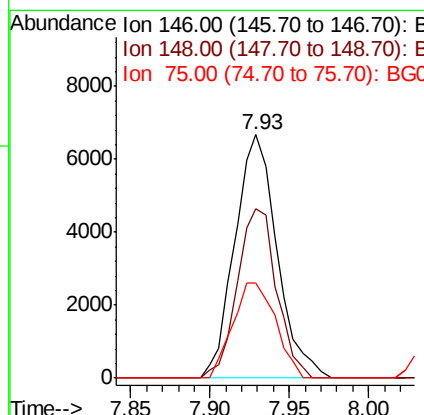
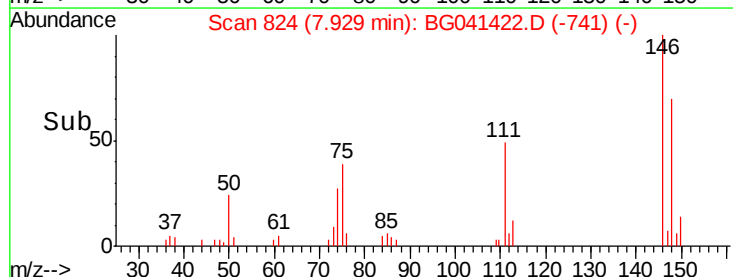
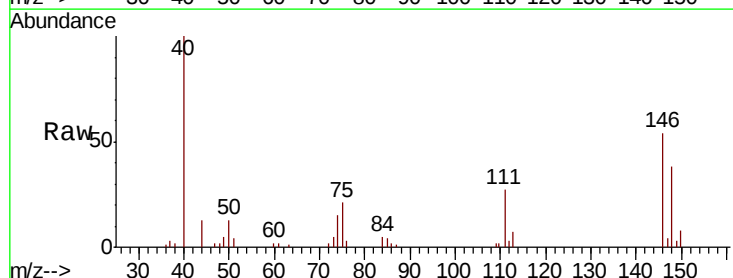
mohammad
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#12

1,3-Dichlorobenzene
Concen: 6.843 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
146	100		
148	69.6	46.5	69.7
75	38.8	32.2	48.4





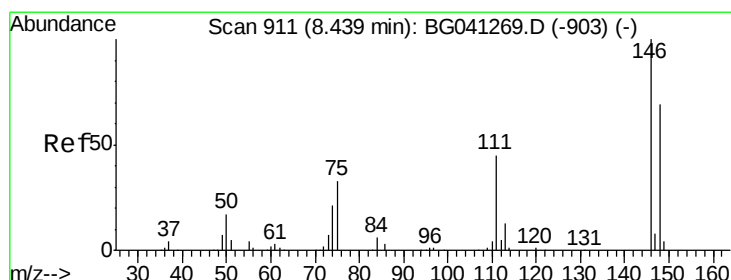
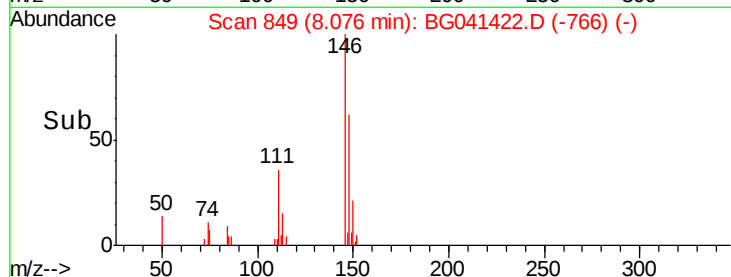
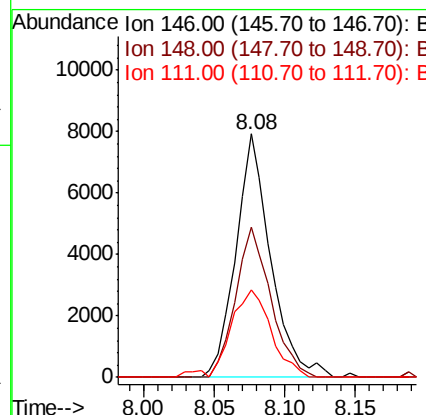
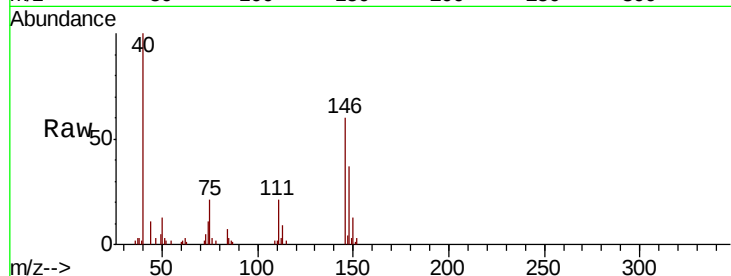
#13
1,4-Dichlorobenzene
Concen: 7.401 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	61.7	47.3	70.9
111	35.8	33.4	50.0

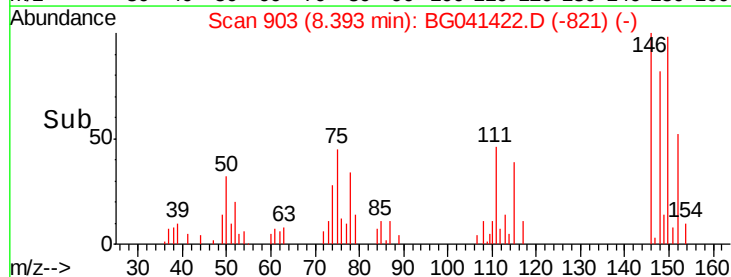
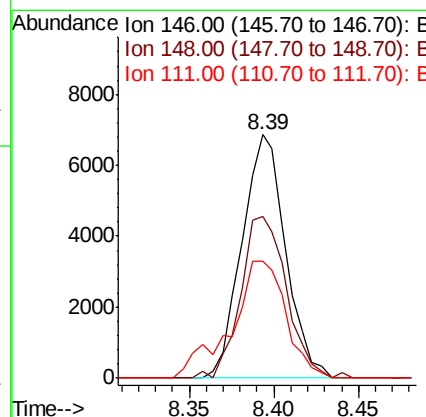
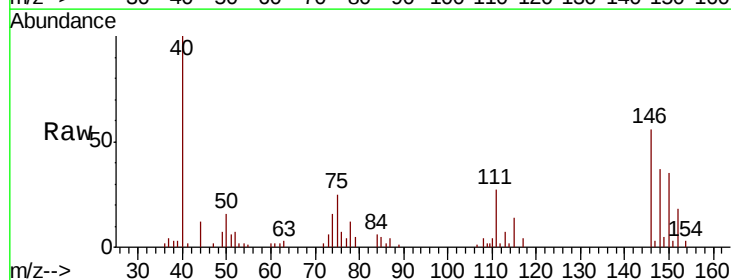
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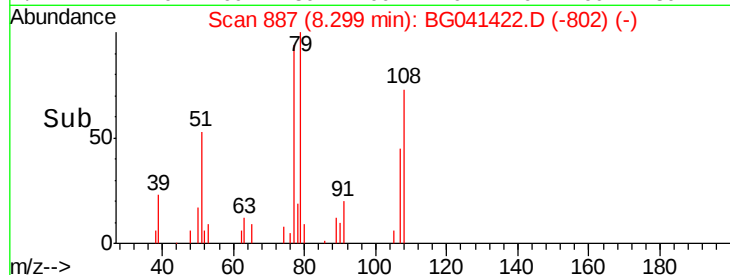
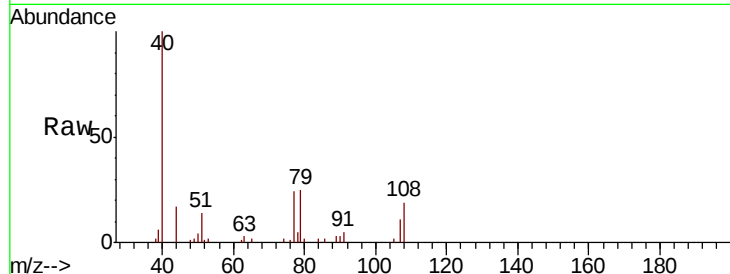
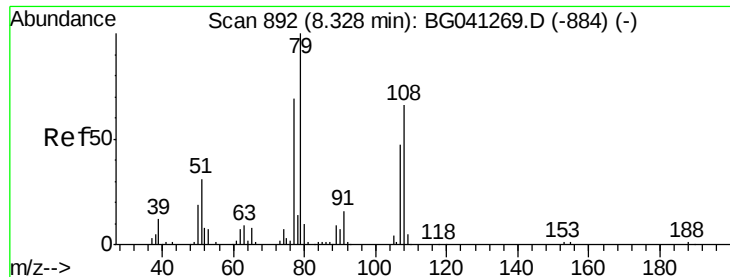
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#14
1,2-Dichlorobenzene
Concen: 7.004 ng
RT: 8.39 min Scan# 903
Delta R.T. -0.05 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.6	54.9	82.3
111	48.2	37.0	55.6





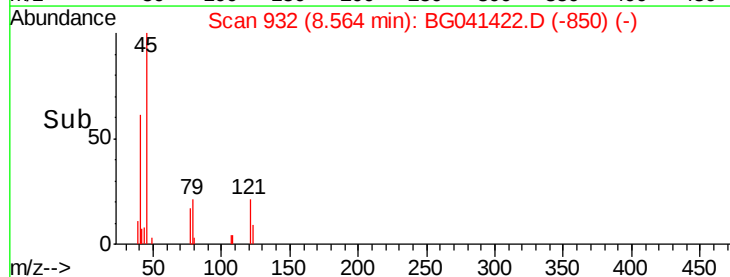
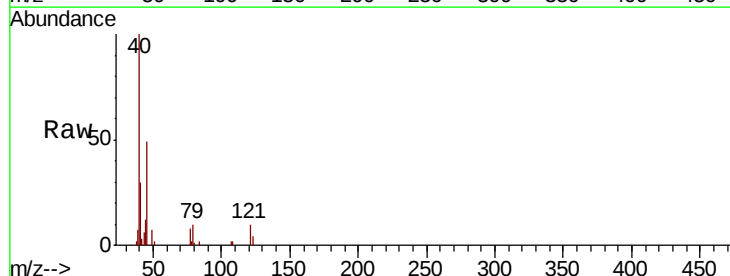
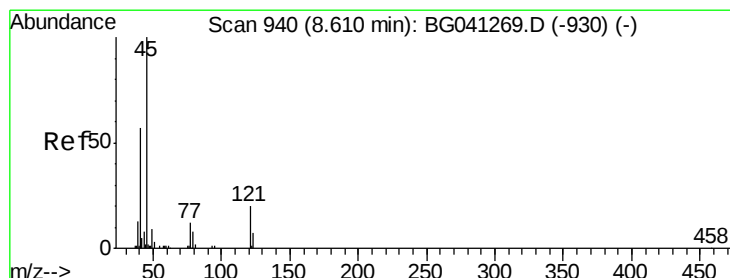
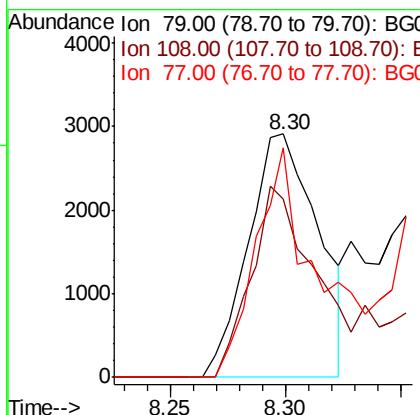
#15
Benzyl Alcohol
Concen: 3.623 ng
RT: 8.30 min Scan# 887
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tot Ion	Ratio	Lower	Upper
79	100		
108	73.3	52.7	79.1
77	94.4	55.2	82.8

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

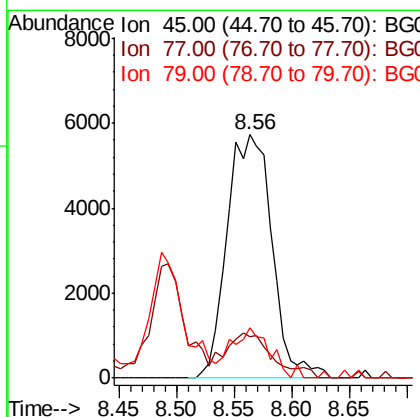
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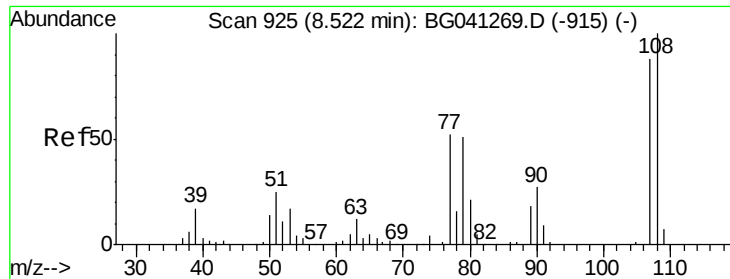
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#16
2,2'-oxybis(1-chloropropane)
Concen: 6.519 ng
RT: 8.56 min Scan# 932
Delta R.T. -0.05 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
45	100		
77	17.0	0.0	35.2
79	20.7	0.0	31.6





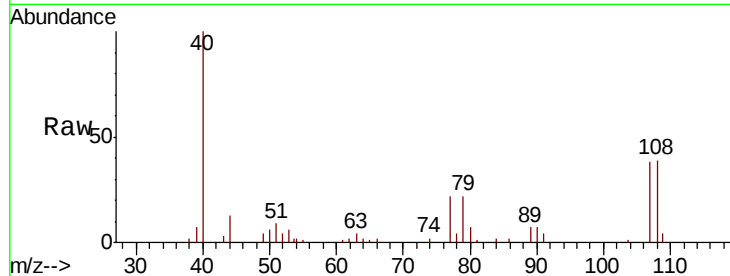
#17
2-Methylphenol
Concen: 7.615 ng
RT: 8.49 min Scan# 920
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	107	Resp	10385
Ion	Ratio	Lower	Upper
107	100		
108	102.4	91.7	137.5
77	57.0	47.8	71.8
79	57.6	46.8	70.2

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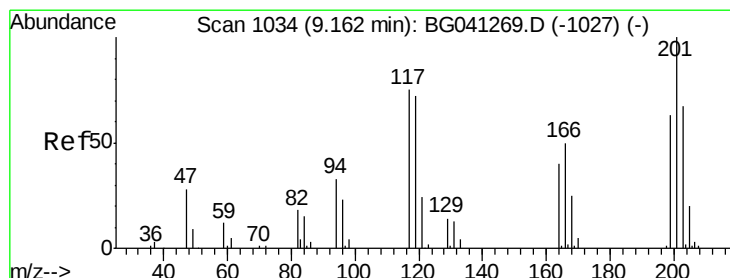
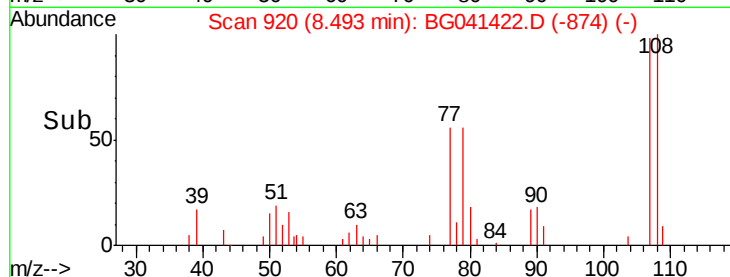
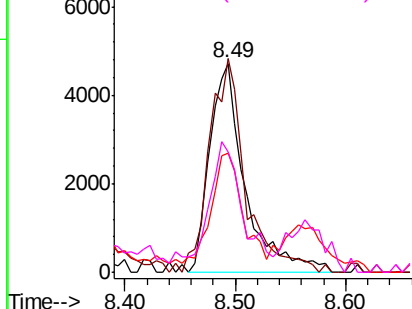
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

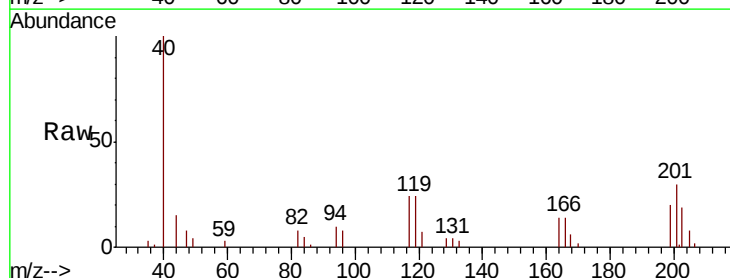
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 7.212 ng
RT: 9.12 min Scan# 1027
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	117	Resp	5256
Ion	Ratio	Lower	Upper
117	100		
119	101.2	76.8	115.2
201	125.1	106.3	159.5

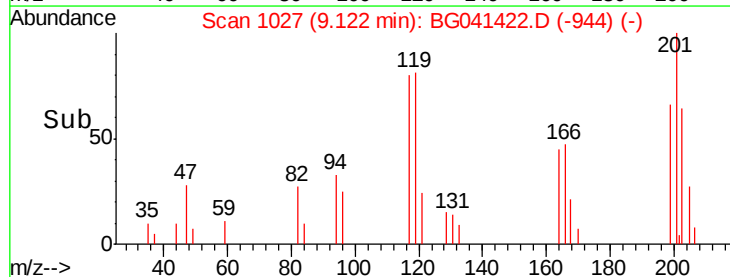
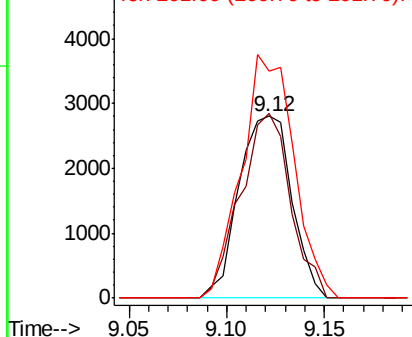


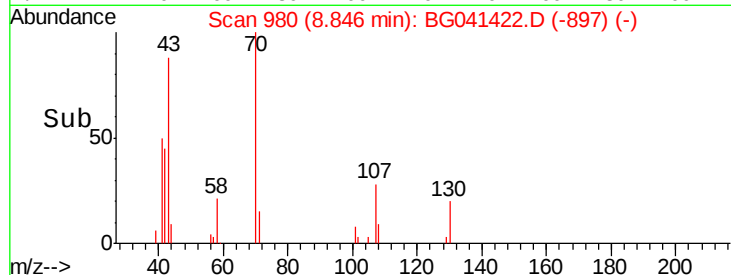
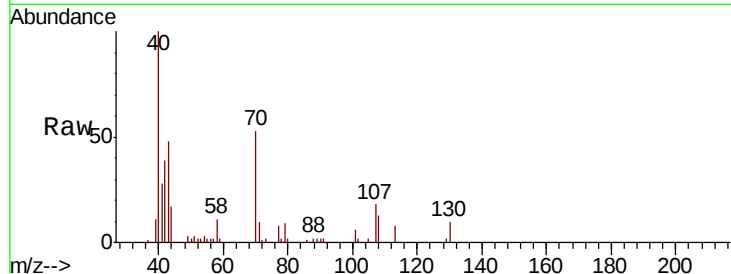
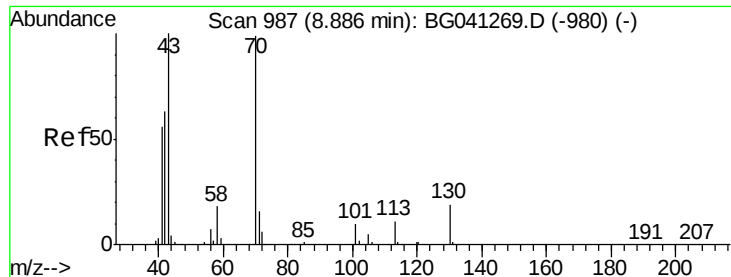
Abundance

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





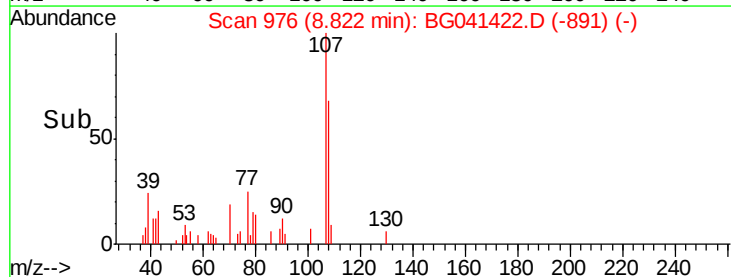
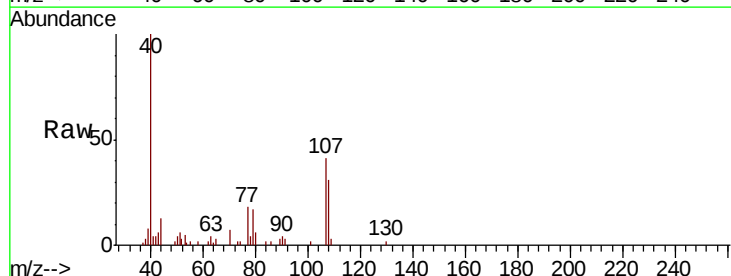
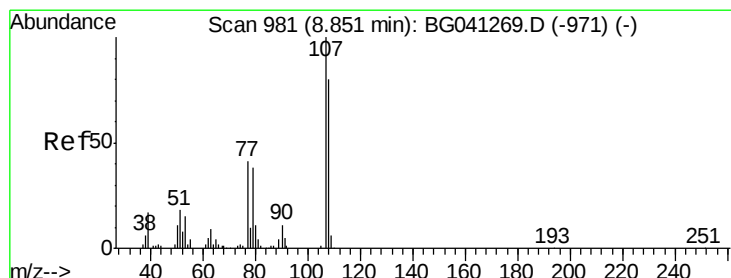
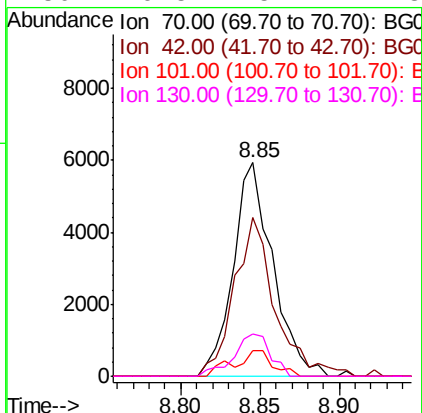
#19
n-Nitroso-di-n-propylamine
Concen: 7.142 ng
RT: 8.85 min Scan# 980
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tot Ion	Ratio	Lower	Upper
70	100		
42	74.1	51.4	77.2
101	11.7	8.2	12.2
130	19.5	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

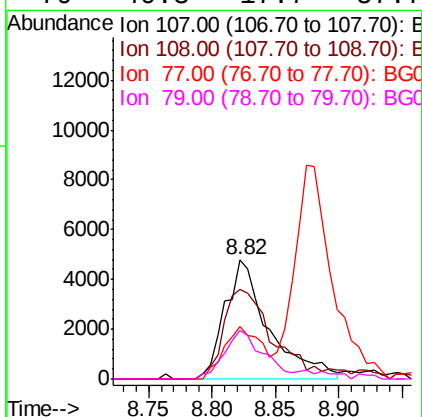
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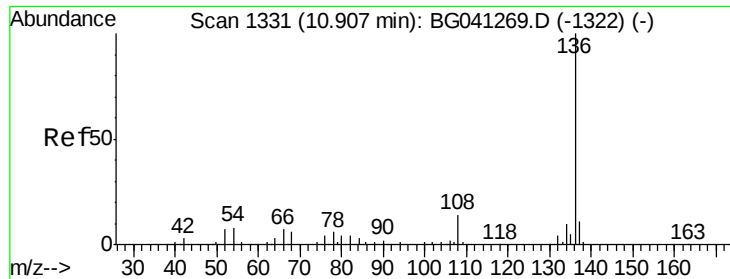
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#20
3+4-Methylphenols
Concen: 6.359 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
107	100		
108	75.1	60.4	100.4
77	44.2	21.2	61.2
79	40.3	17.7	57.7





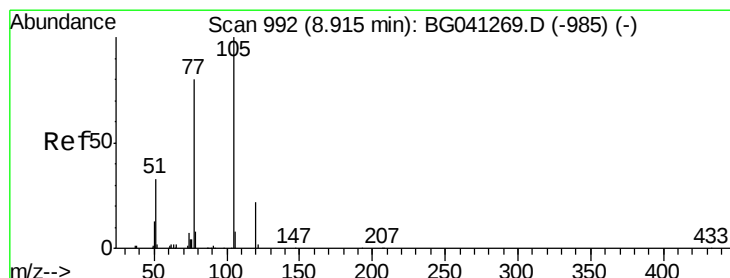
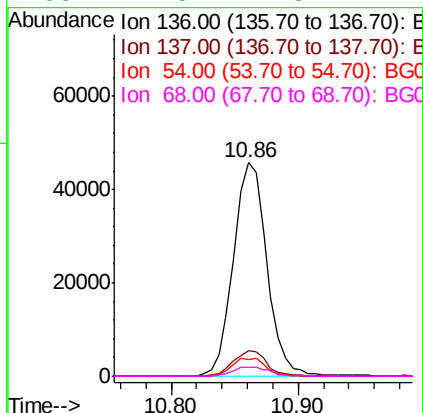
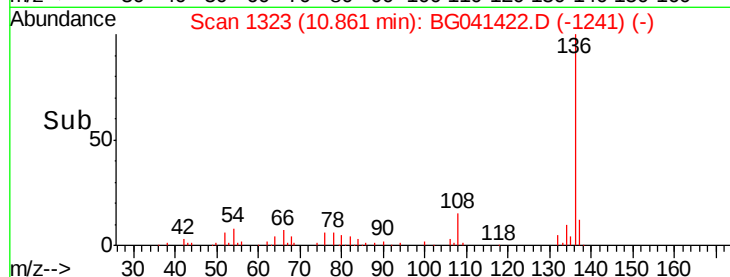
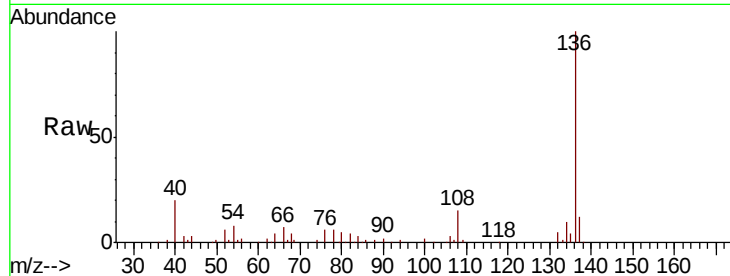
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.05 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
136	100	83610		
137	11.7		8.8	13.2
54	7.8		6.4	9.6
68	4.8		4.8	7.2

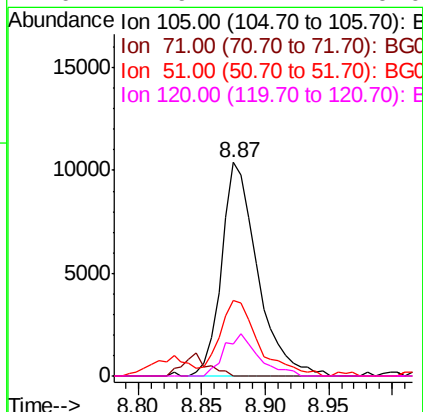
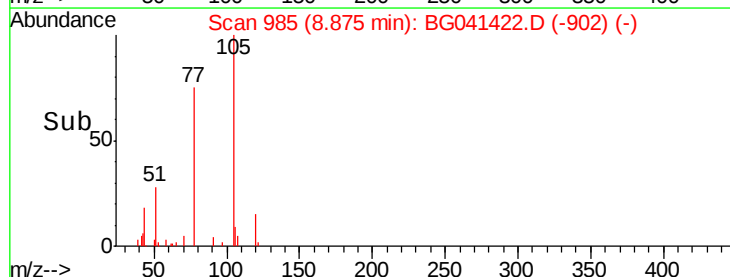
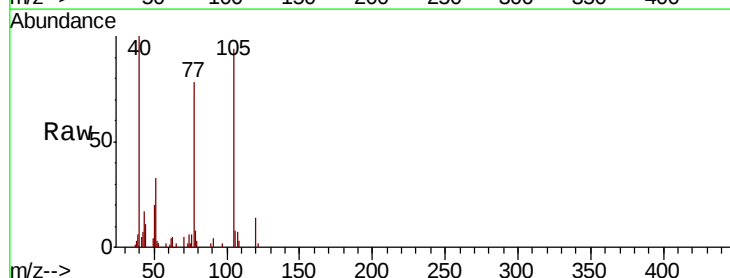
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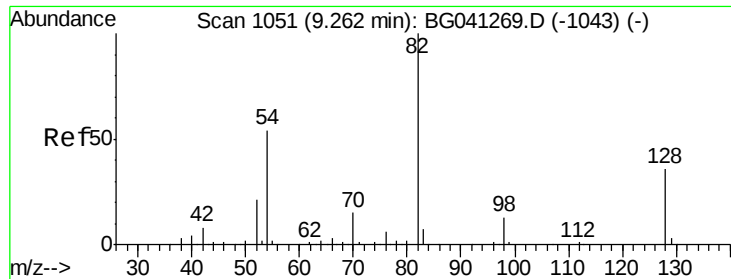
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#22
Acetophenone
Concen: 8.405 ng
RT: 8.87 min Scan# 985
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	20449		
71	0.0		0.4	0.6#
51	35.3		28.2	42.4
120	14.9		17.4	26.0#





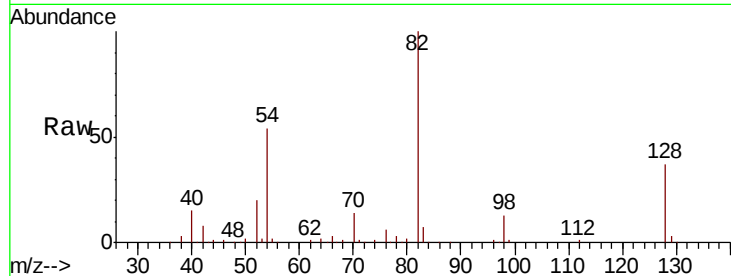
#23
Nitrobenzene-d5
Concen: 90.501 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

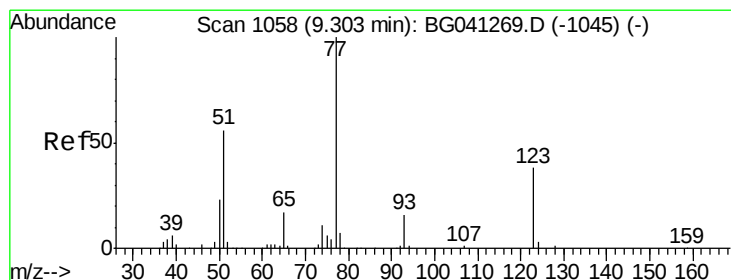
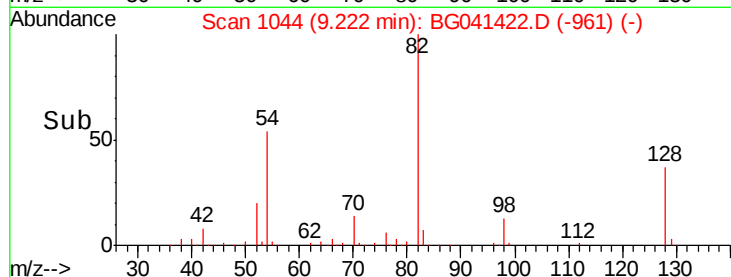
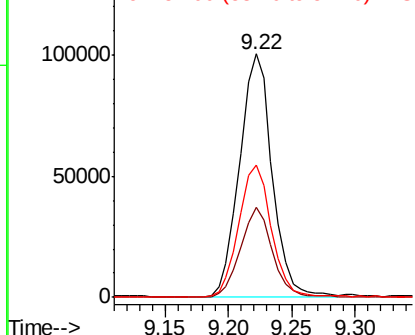
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.8	29.2	43.8	
54	54.3	43.4	65.0	

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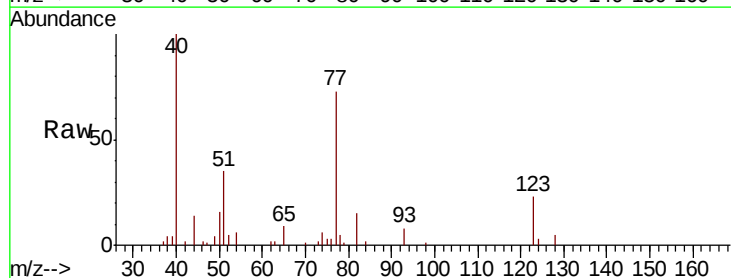


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

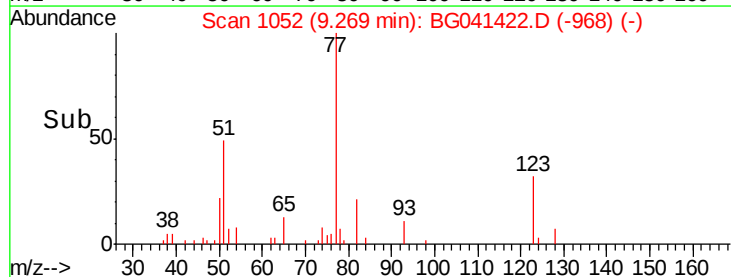
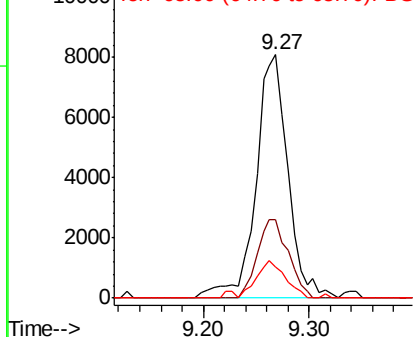


#24
Nitrobenzene
Concen: 8.511 ng
RT: 9.27 min Scan# 1052
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	32.2	30.4	45.6	
65	12.7	13.3	19.9	



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 7.859 ng

RT: 9.77 min Scan# 1138

Delta R.T. -0.05 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

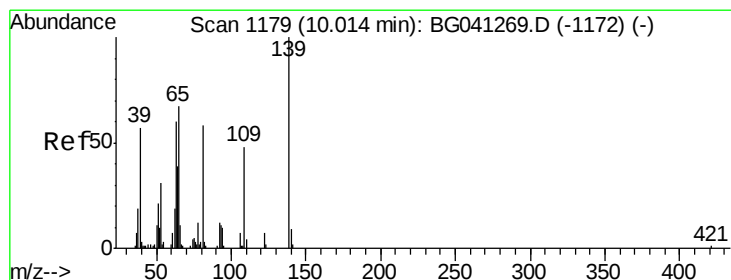
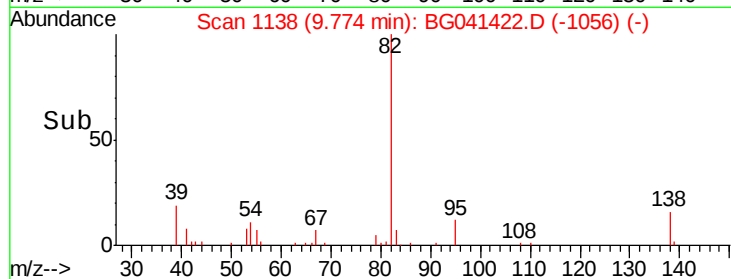
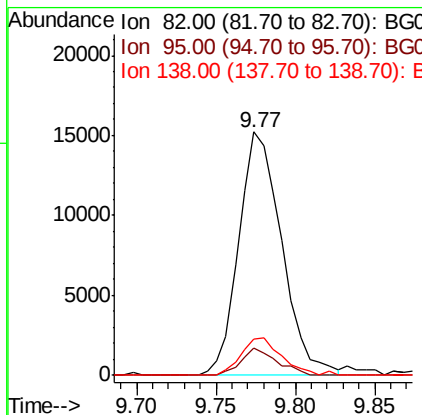
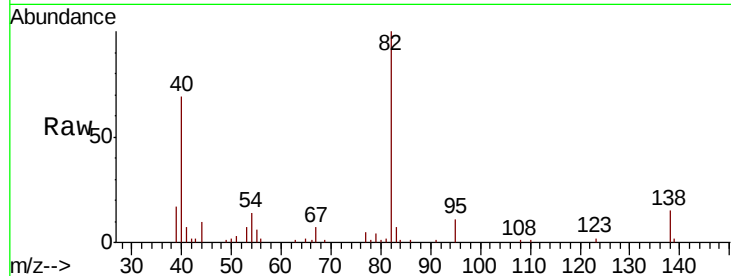
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	82	Resp:	28665
Ion Ratio	Lower	Upper	
82	100		
95	11.2	6.6	10.0#
138	14.7	12.3	18.5

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#26

2-Nitrophenol

Concen: 6.955 ng

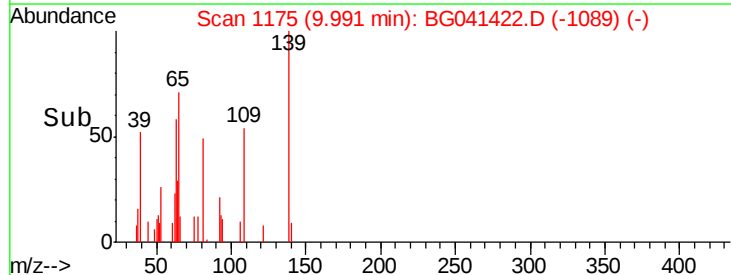
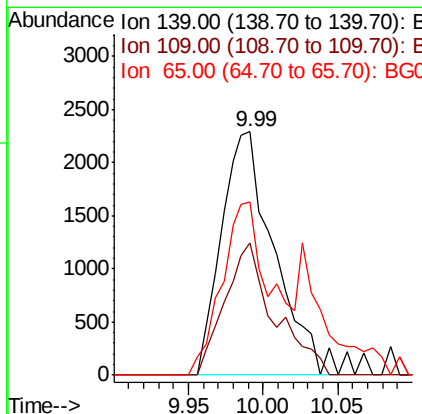
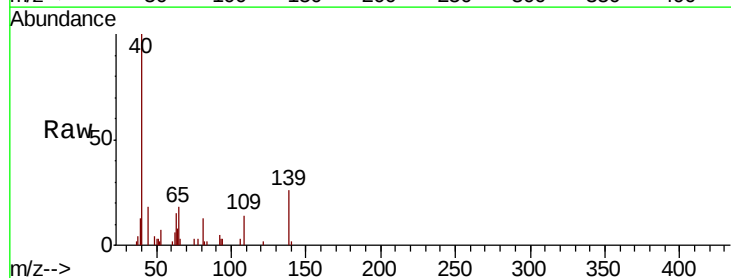
RT: 9.99 min Scan# 1175

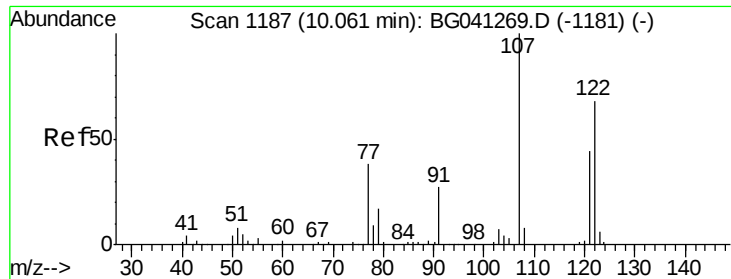
Delta R.T. -0.02 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Tgt Ion:	139	Resp:	5638
Ion Ratio	Lower	Upper	
139	100		
109	54.5	38.4	57.6
65	71.1	53.6	80.4





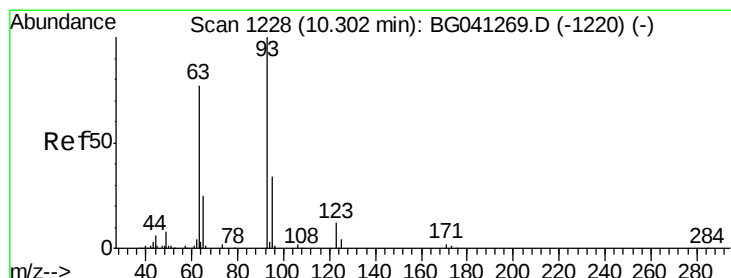
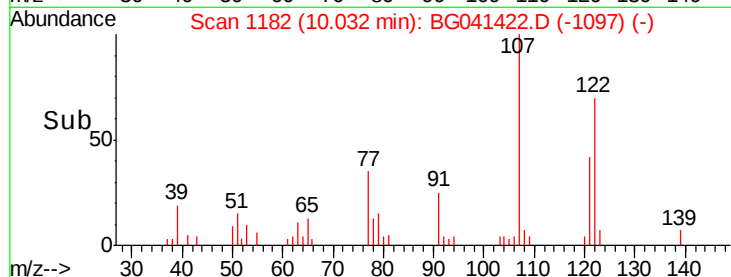
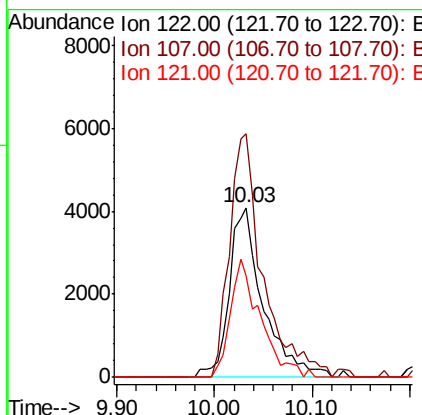
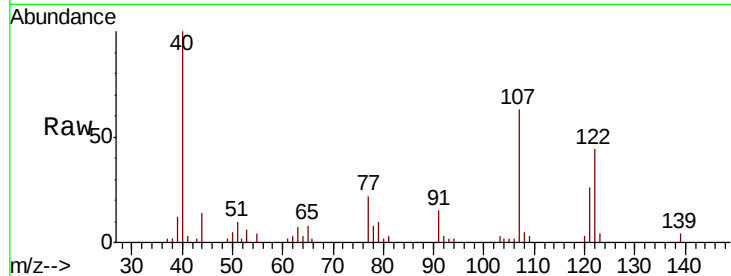
#27
 2,4-Dimethylphenol
 Concen: 8.107 ng
 RT: 10.03 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
122	100		
107	143.2	115.1	172.7
121	59.5	50.1	75.1

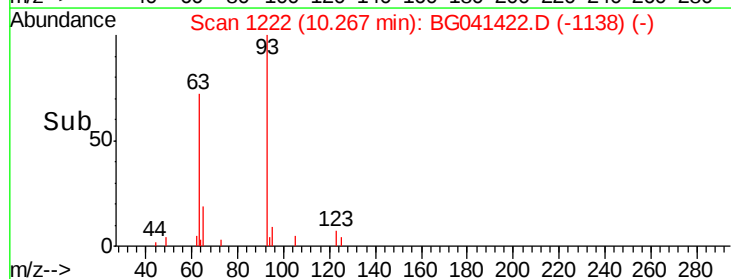
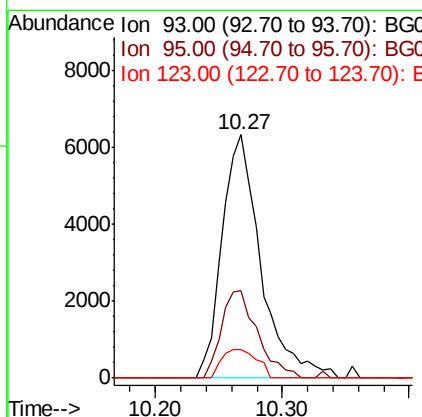
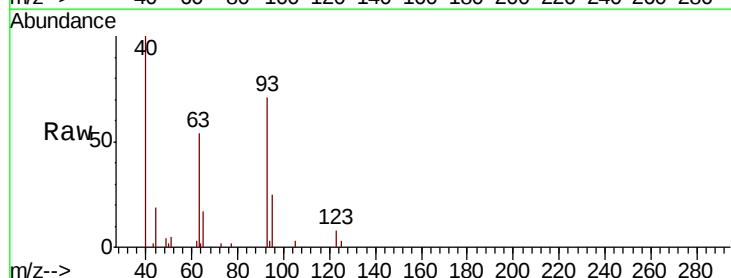
Manual Integrations
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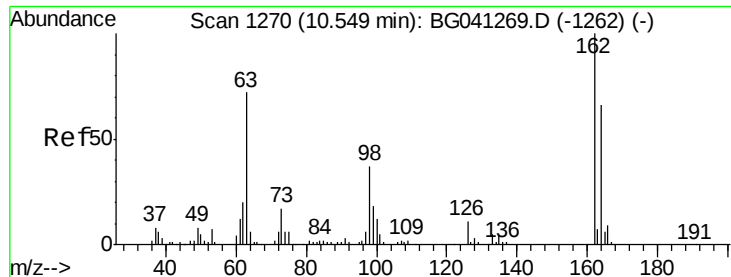
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 7.061 ng
 RT: 10.27 min Scan# 1222
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	35.7	27.3	40.9
123	11.8	9.6	14.4





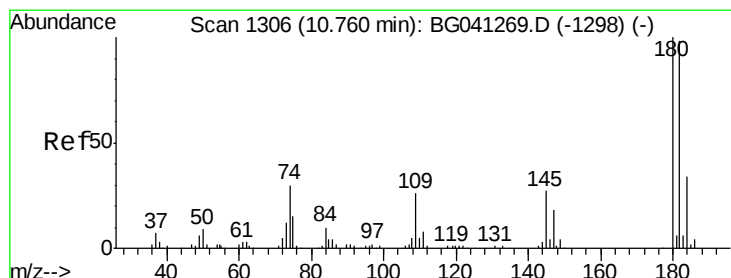
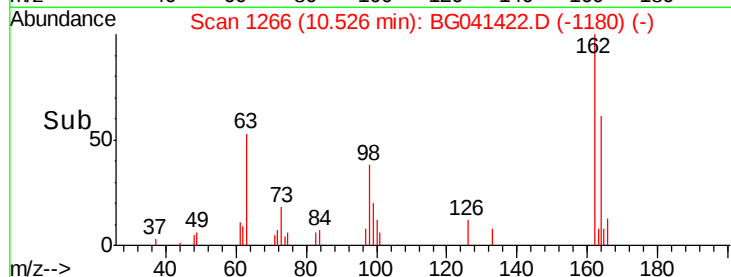
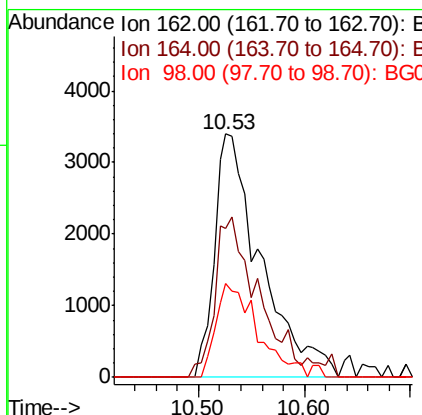
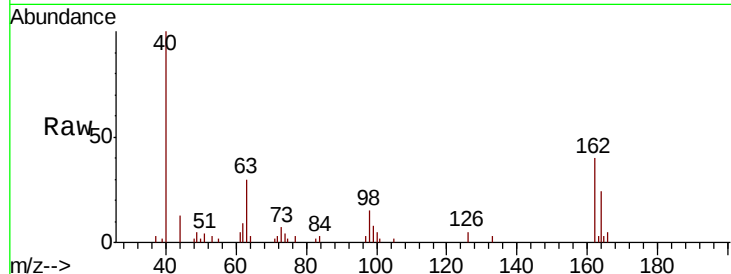
#29
2,4-Dichlorophenol
Concen: 6.884 ng
RT: 10.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	61.3	46.0	86.0
98	38.4	17.4	57.4

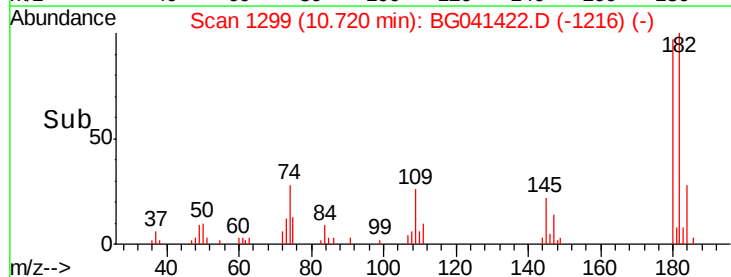
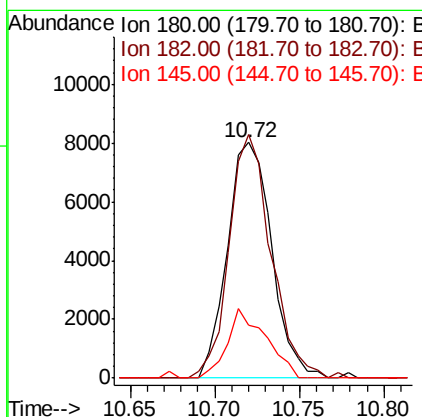
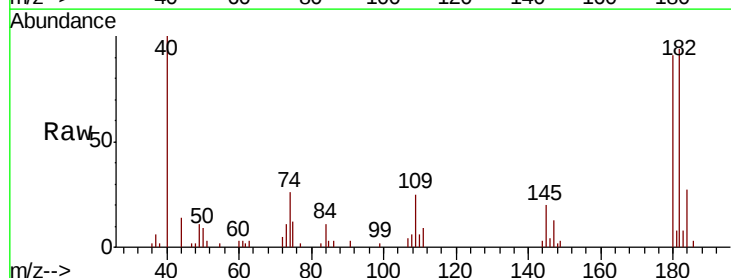
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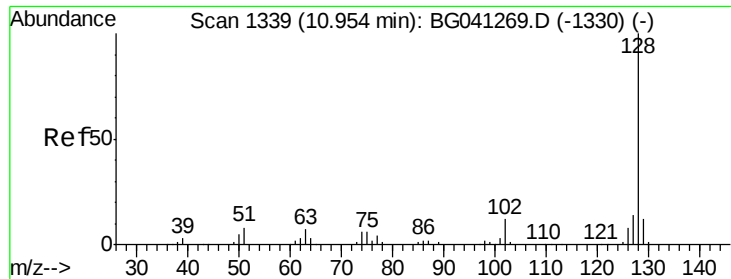
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#30
1,2,4-Trichlorobenzene
Concen: 7.574 ng
RT: 10.72 min Scan# 1299
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.4	78.6	117.8
145	22.3	21.7	32.5





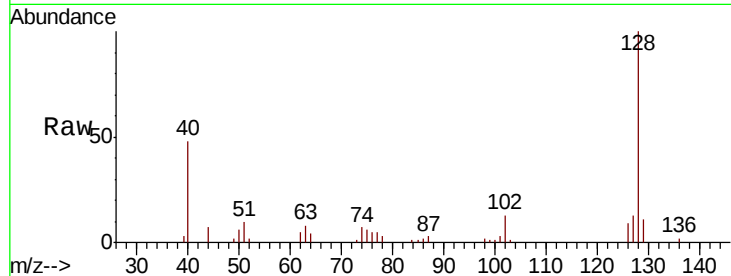
#31
Naphthalene
Concen: 7.939 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.0
127	12.5	11.2	16.8

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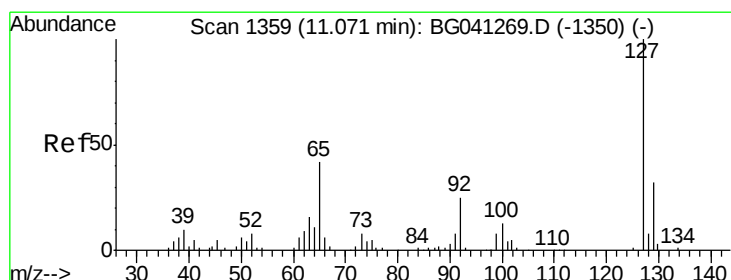
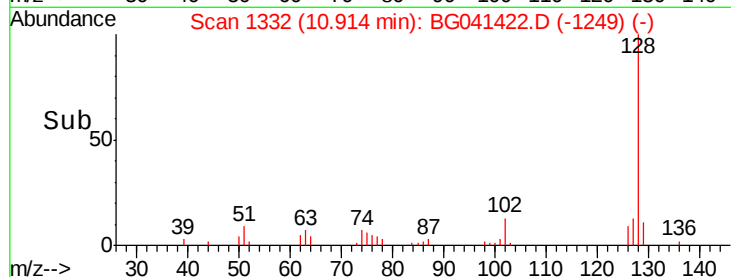
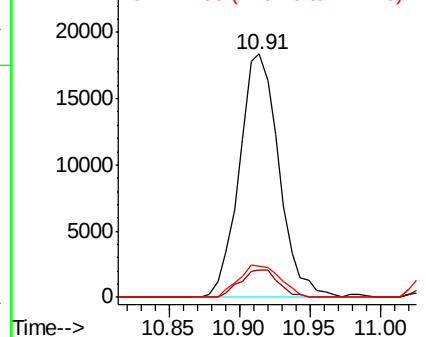


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33
4-Chloroaniline
Concen: 6.467 ng
RT: 11.04 min Scan# 1354
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
127	100		
129	27.9	25.8	38.8
65	33.3	33.8	50.8#
92	16.0	20.2	30.4#

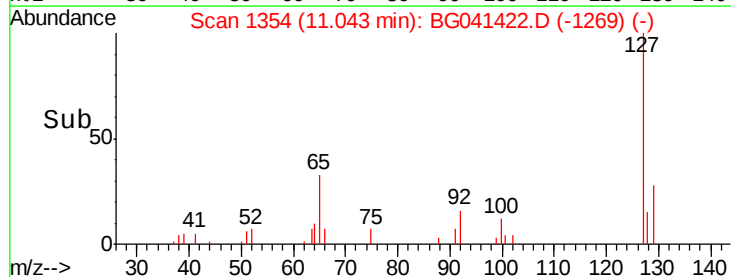
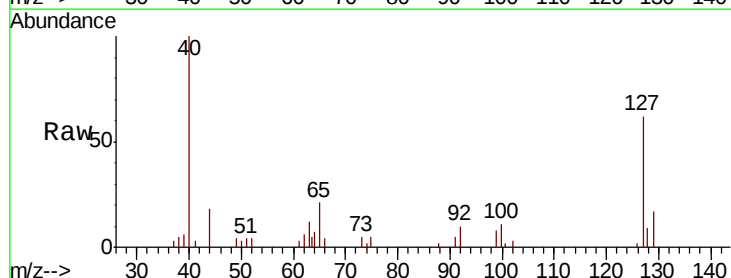
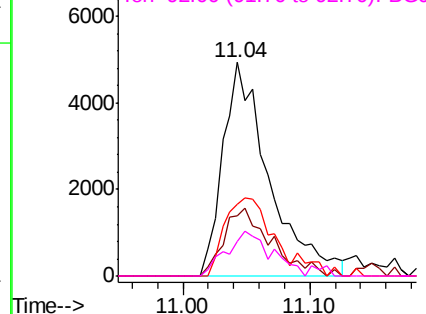
Abundance

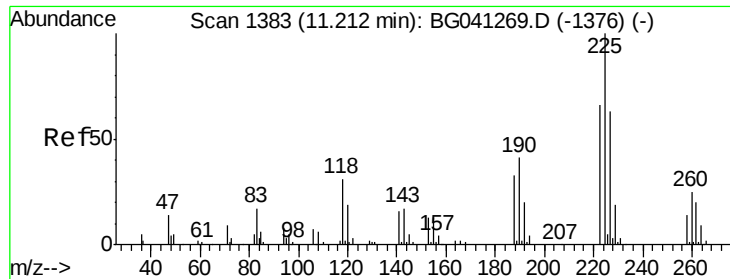
Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





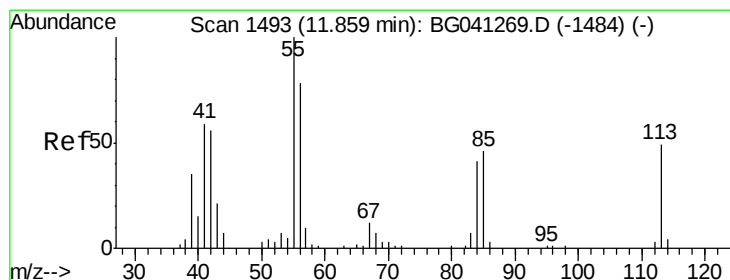
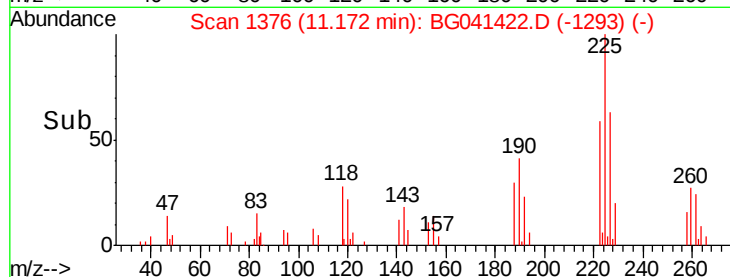
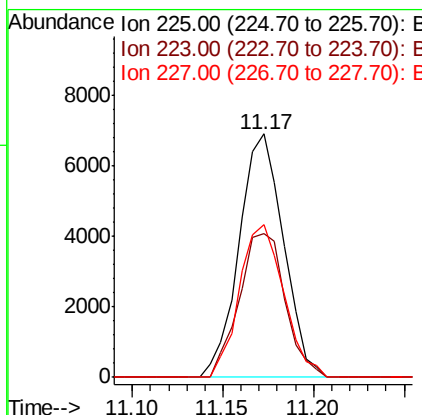
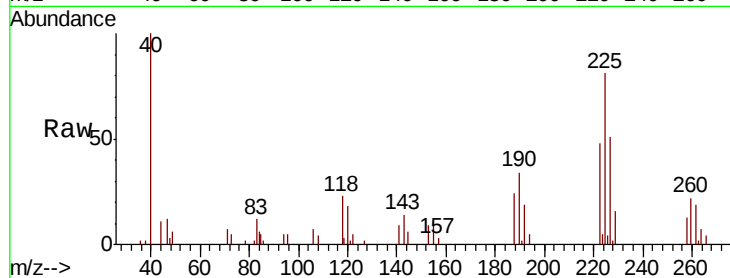
#34
Hexachlorobutadiene
Concen: 7.673 ng
RT: 11.17 min Scan# 1376
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
225	100		
223	58.8	52.5	78.7
227	65.5	50.2	75.2

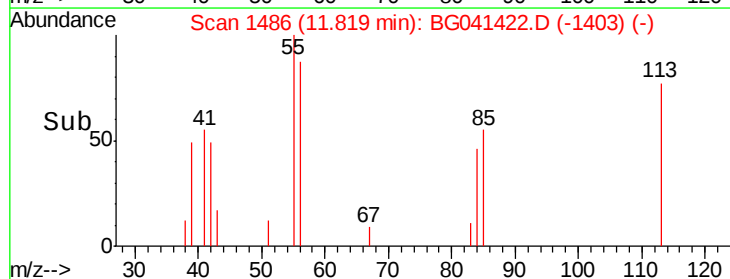
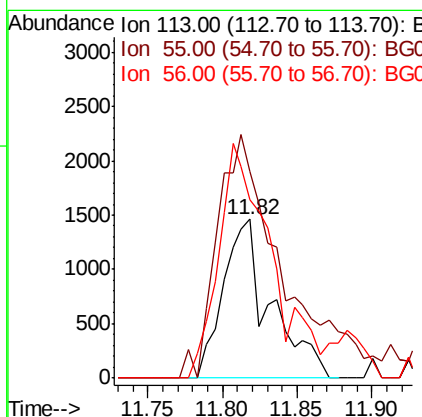
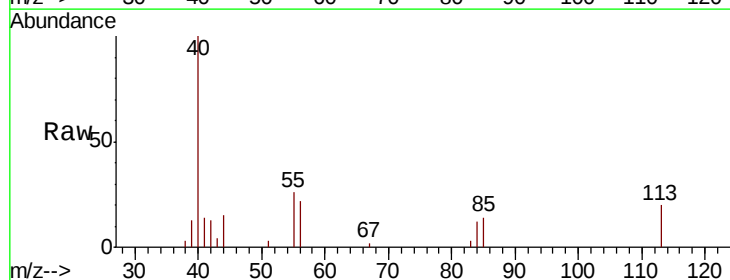
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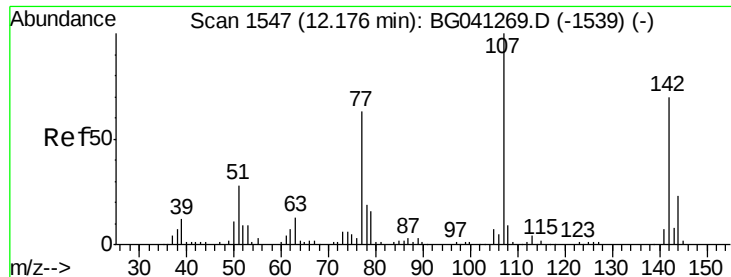
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#35
Caprolactam
Concen: 6.187 ng
RT: 11.82 min Scan# 1486
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
113	100		
55	130.0	182.6	222.6#
56	112.5	137.5	177.5#





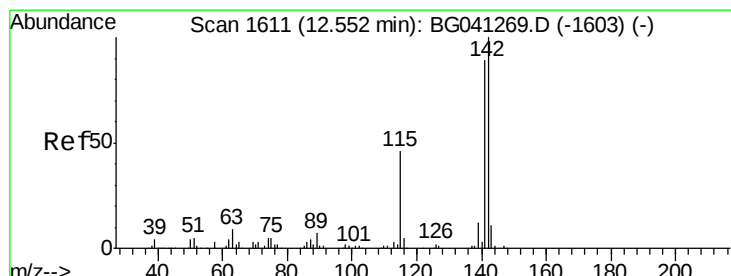
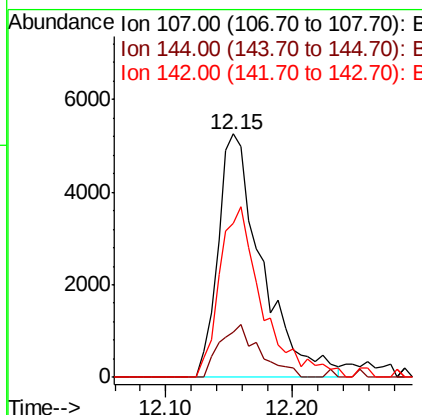
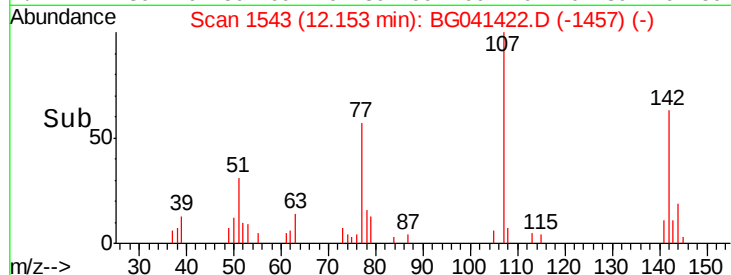
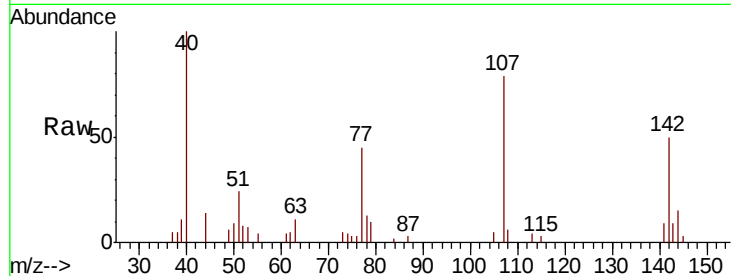
#36
4-Chloro-3-methylphenol
Concen: 7.219 ng
RT: 12.15 min Scan# 1543
Delta R.T. -0.02 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
107	100		
144	18.7	18.5	27.7
142	63.2	56.3	84.5

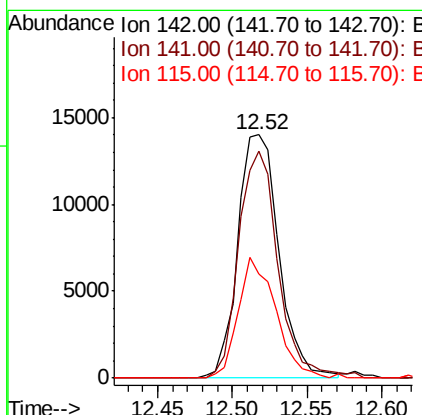
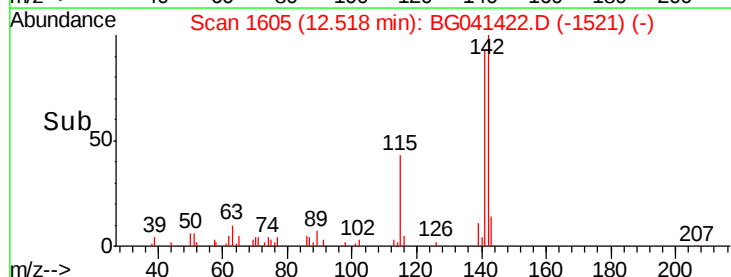
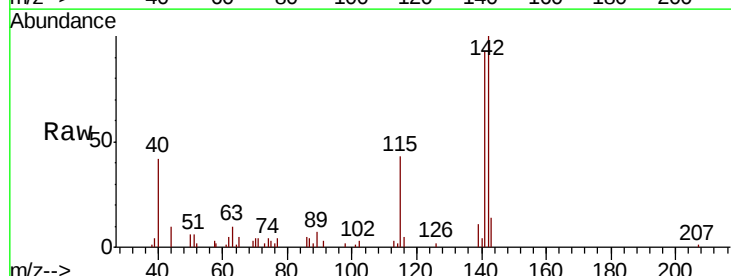
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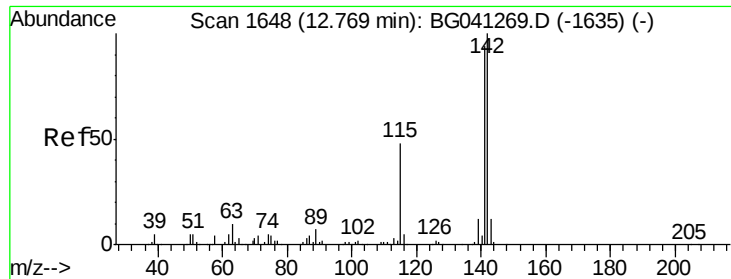
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#37
2-Methylnaphthalene
Concen: 7.991 ng
RT: 12.52 min Scan# 1605
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.1	71.5	107.3
115	42.9	37.0	55.6





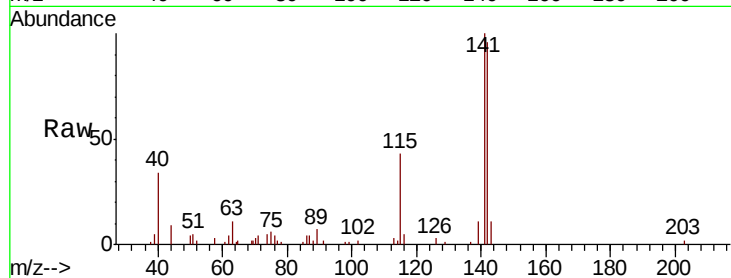
#38
1-Methylnaphthalene
Concen: 8.264 ng
RT: 12.74 min Scan# 1642
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	103.8	75.0	112.6
116	5.5	4.2	6.2

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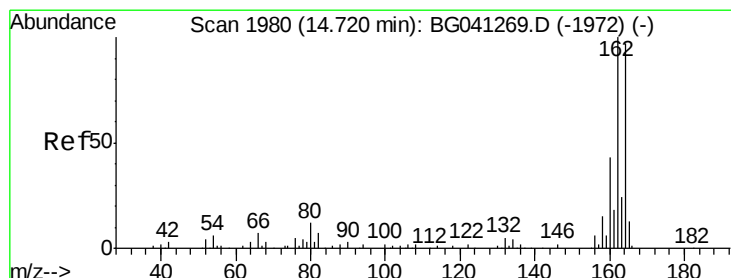
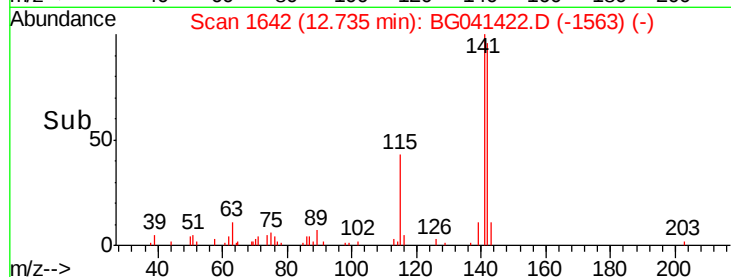
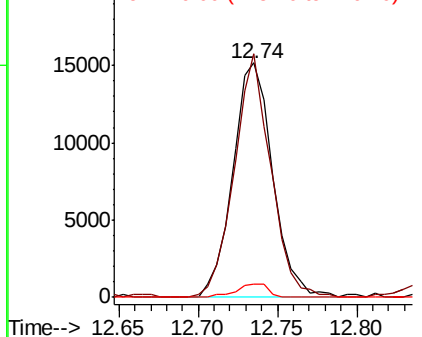


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

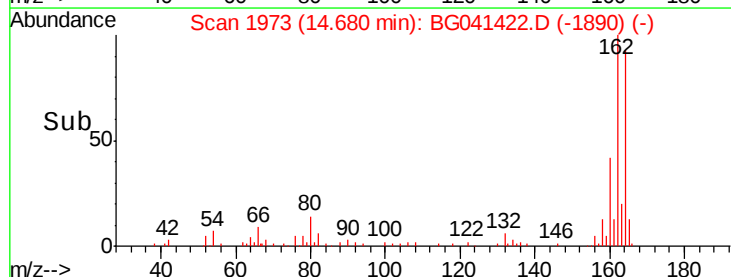
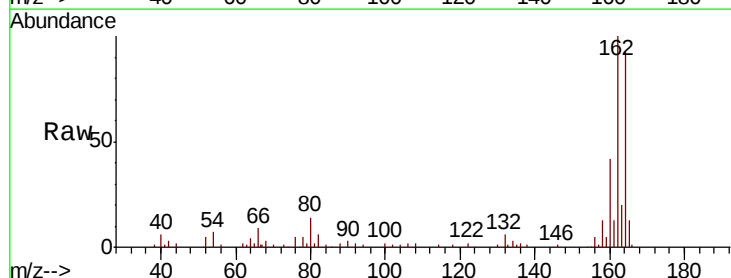
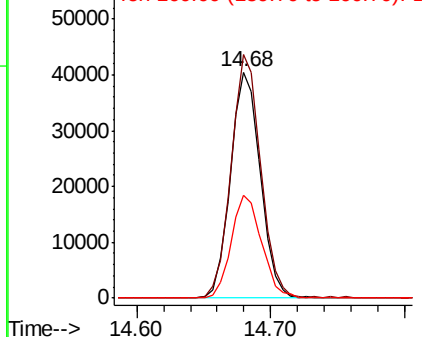
Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.7	82.8	124.2
160	45.2	35.8	53.8

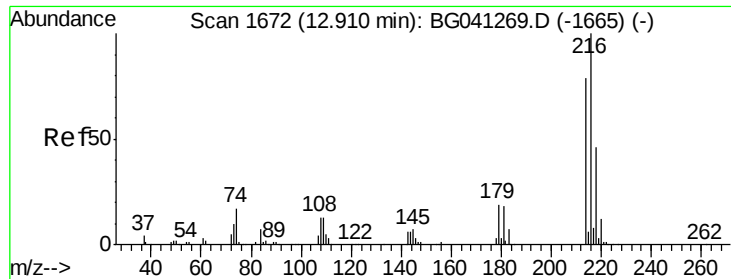
Abundance

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





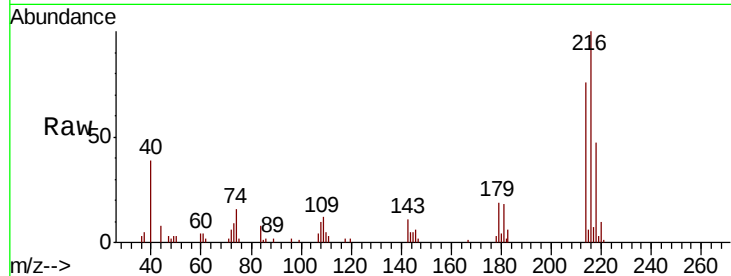
#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.444 ng
RT: 12.88 min Scan# 1666
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
216	100		
214	77.1	62.8	94.2
179	18.0	15.2	22.8
108	12.2	12.4	18.6

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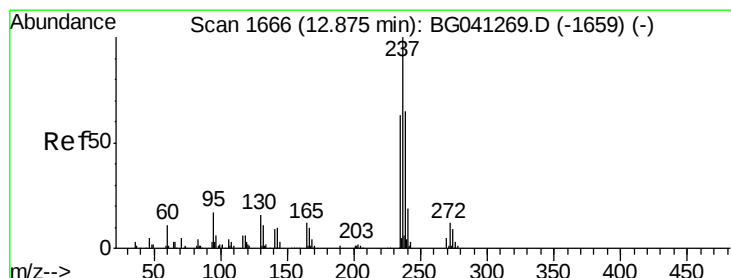
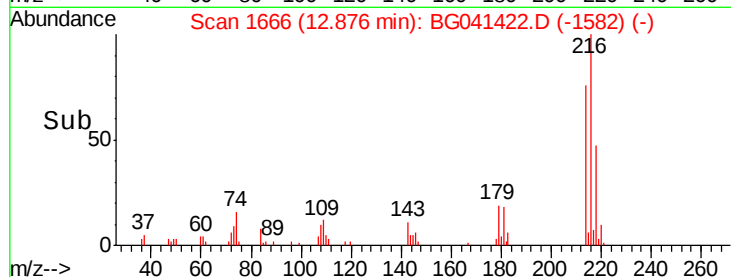
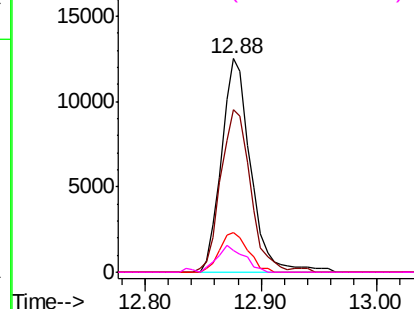
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

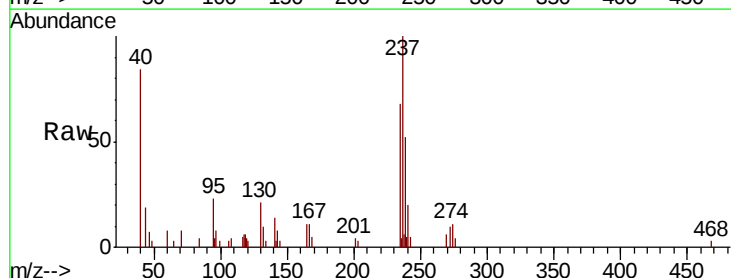
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#41
Hexachlorocyclopentadiene
Concen: 5.218 ng
RT: 12.84 min Scan# 1659
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
237	100		
235	67.9	42.9	82.9
272	9.5	0.0	32.0

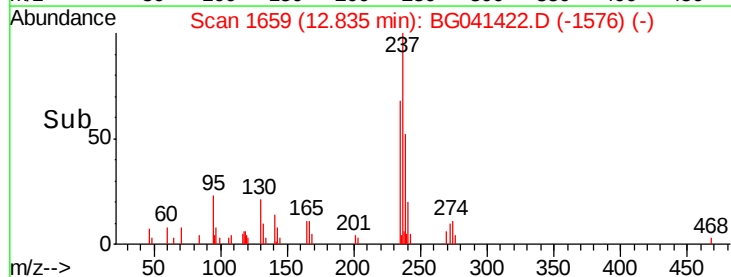
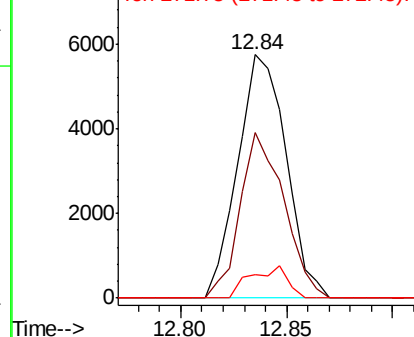


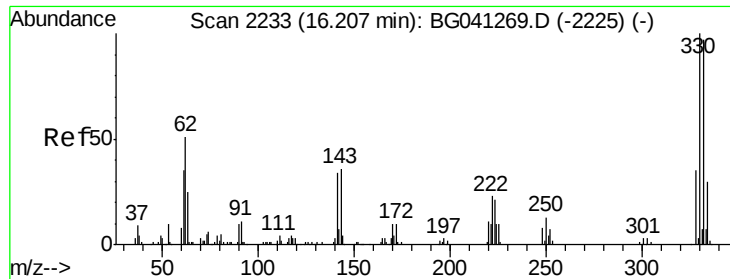
Abundance

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





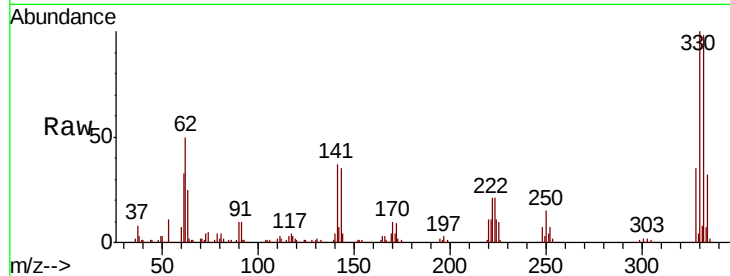
#42
 2,4,6-Tribromophenol
 Concen: 155.584 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
330	100	150018		
332	96.0	75.5	113.3	
141	36.4	29.0	43.4	

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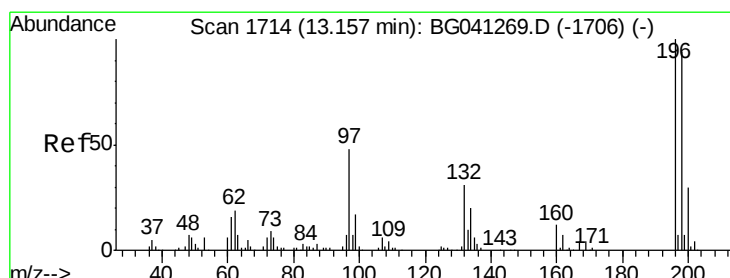
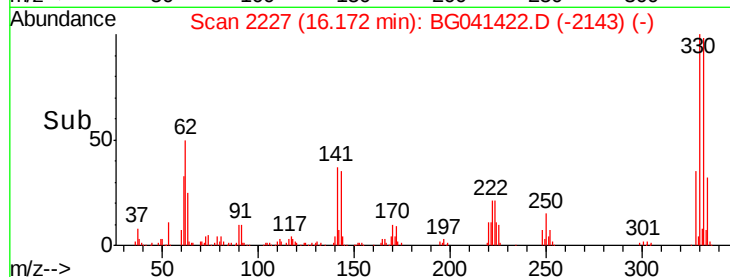
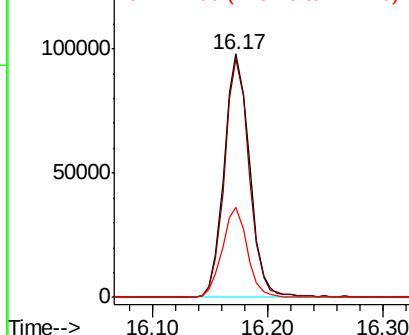


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#43
 2,4,6-Trichlorophenol
 Concen: 6.673 ng
 RT: 13.21 min Scan# 1723
 Delta R.T. 0.05 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

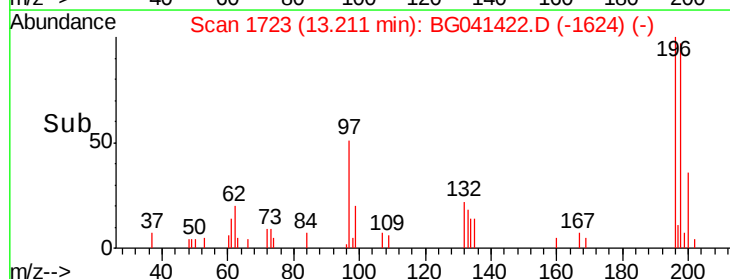
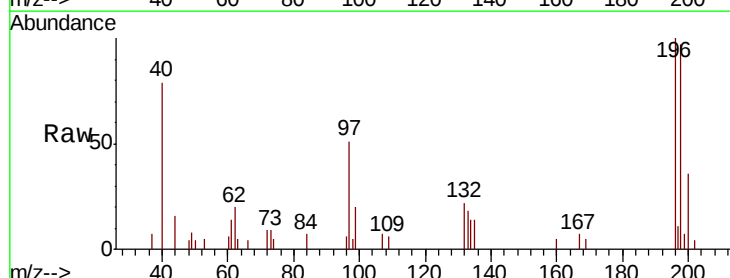
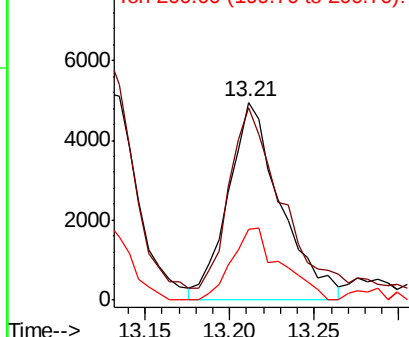
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	10706		
198	96.9	74.9	112.3	
200	35.7	24.2	36.2	

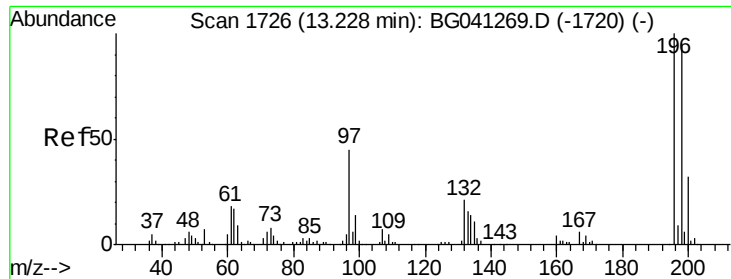
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





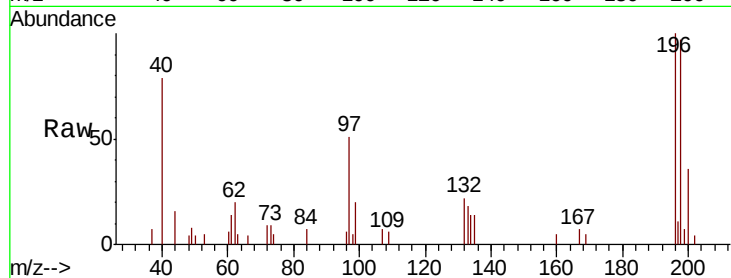
#44
 2,4,5-Trichlorophenol
 Concen: 6.485 ng
 RT: 13.21 min Scan# 1723
 Delta R.T. -0.02 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	196	Resp:	10706
Ion Ratio	Lower	Upper	
196	100		
198	96.9	76.1	114.1
97	50.8	35.9	53.9
132	21.7	17.0	25.6

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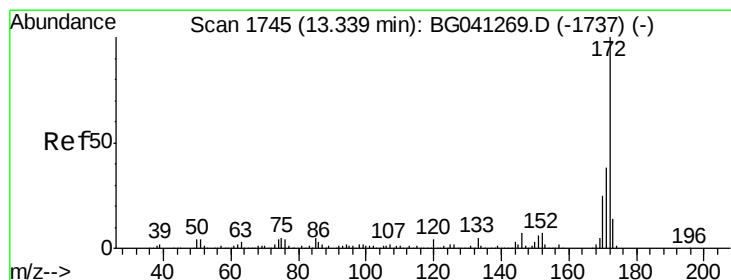
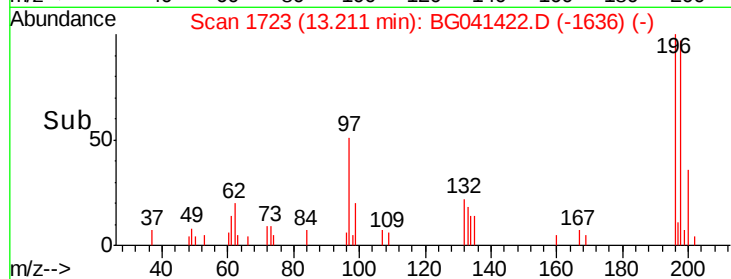
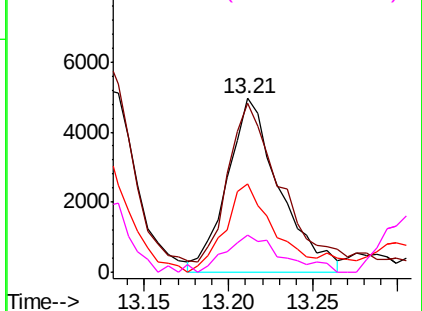
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



#45
 2-Fluorobiphenyl
 Concen: 95.179 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

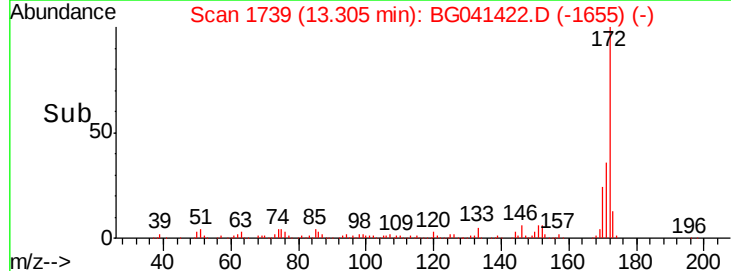
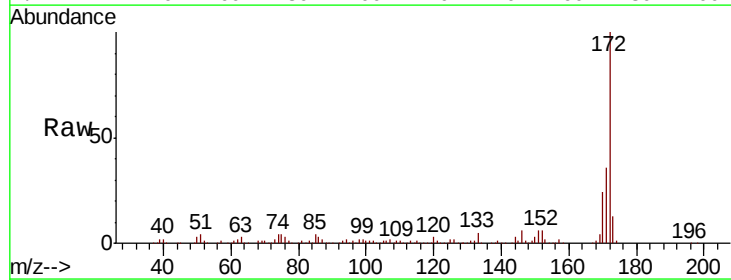
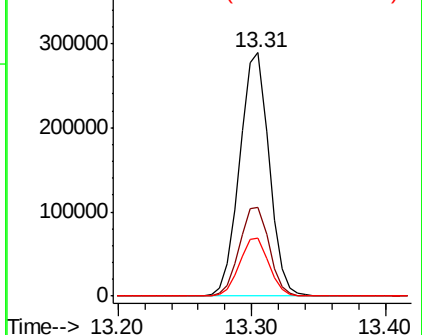
Tgt Ion:	172	Resp:	439824
Ion Ratio	Lower	Upper	
172	100		
171	36.5	30.0	45.0
170	24.0	19.8	29.6

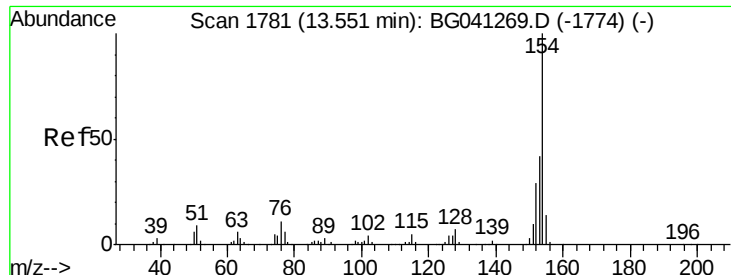
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





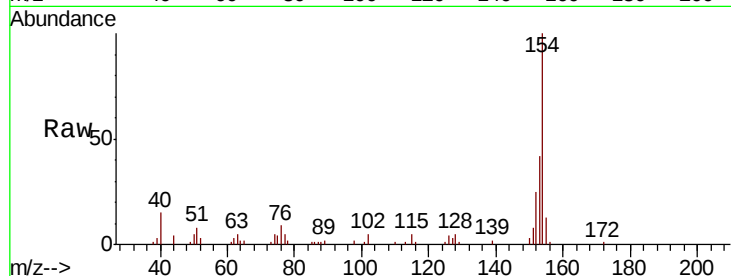
#46
1,1'-Biphenyl
Concen: 8.298 ng
RT: 13.52 min Scan# 1775
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

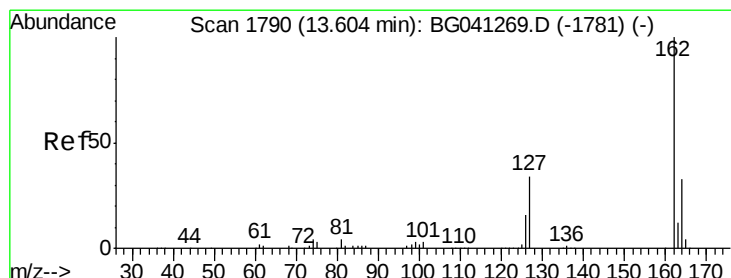
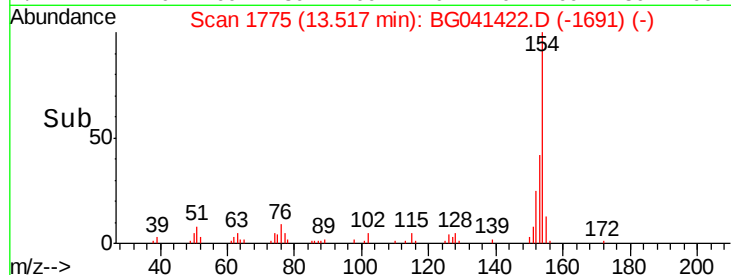
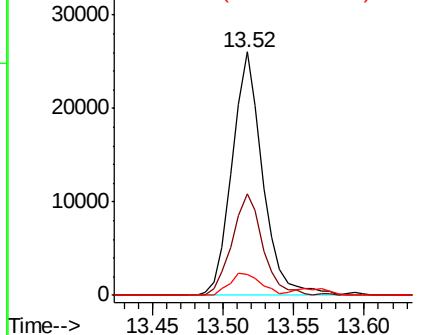
Tot Ion:	154	Resp:	39401
Ion Ratio	Lower	Upper	
154	100		
153	41.5	22.3	62.3
76	8.8	0.0	30.8

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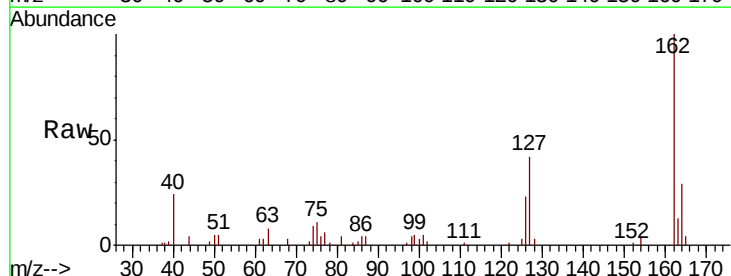


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): B

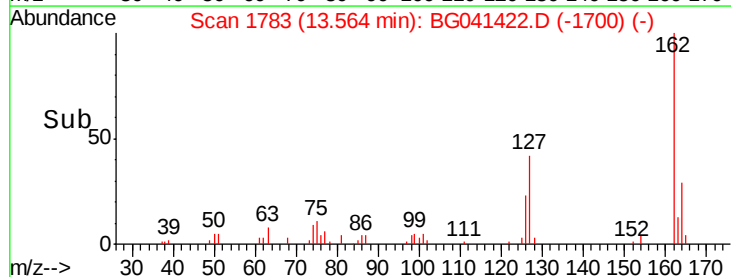
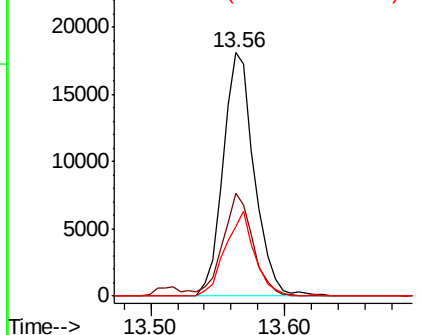


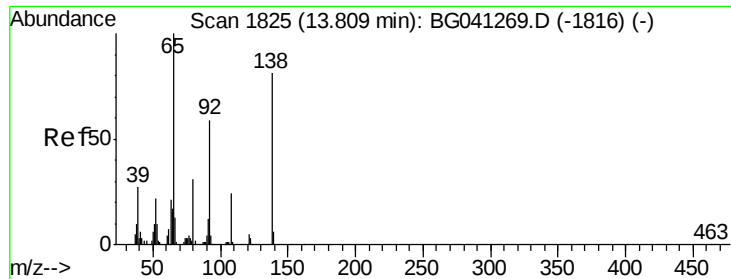
#47
2-Chloronaphthalene
Concen: 7.273 ng
RT: 13.56 min Scan# 1783
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:	162	Resp:	29731
Ion Ratio	Lower	Upper	
162	100		
127	42.5	31.0	46.4
164	28.7	26.1	39.1



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





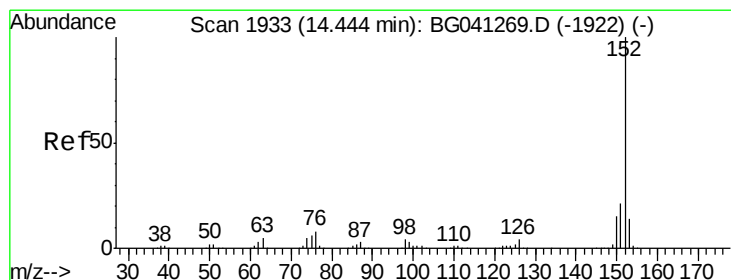
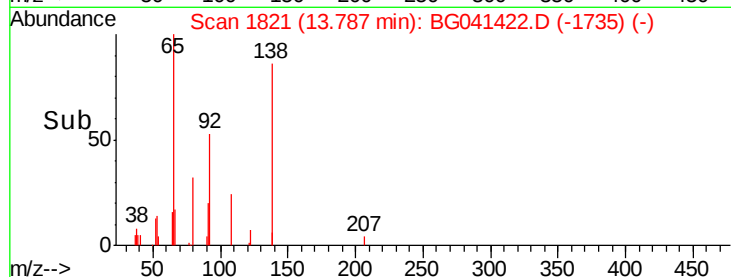
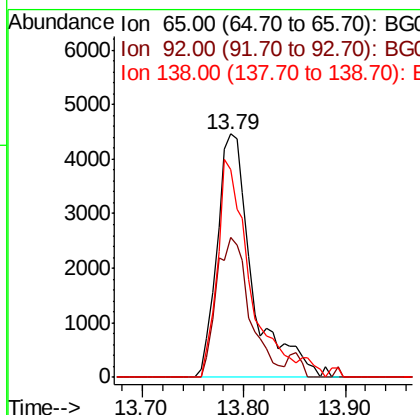
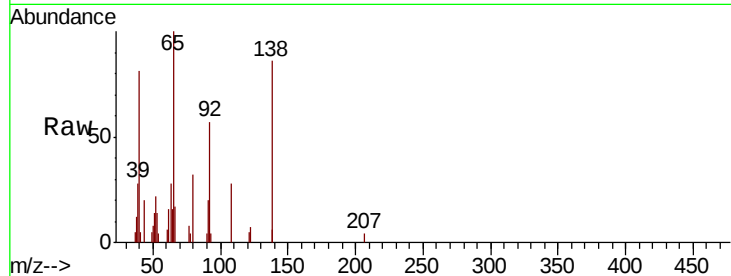
#48
2-Nitroaniline
Concen: 7.238 ng
RT: 13.79 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
65	100		
92	57.3	47.4	71.2
138	85.6	64.7	97.1

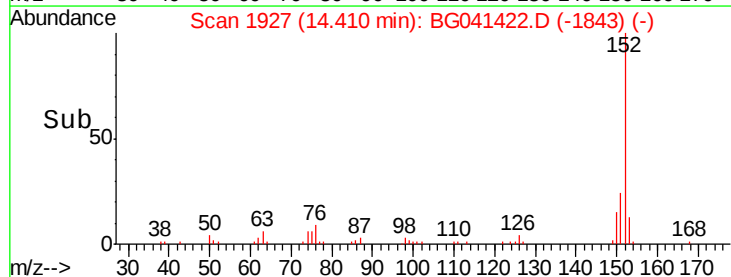
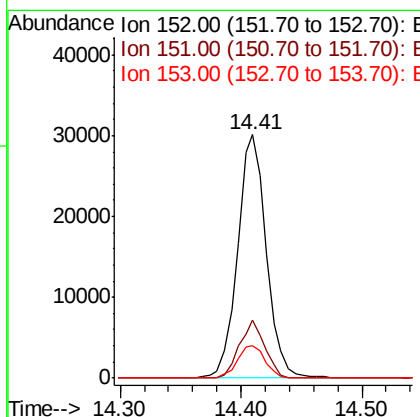
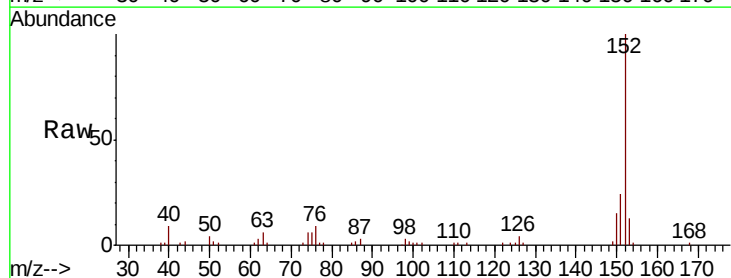
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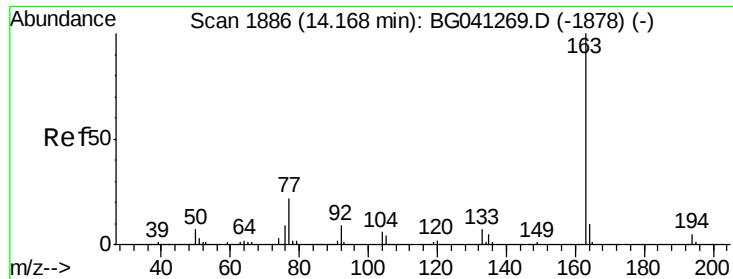
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#49
Acenaphthylene
Concen: 8.020 ng
RT: 14.41 min Scan# 1927
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.7	16.8	25.2
153	13.2	10.8	16.2





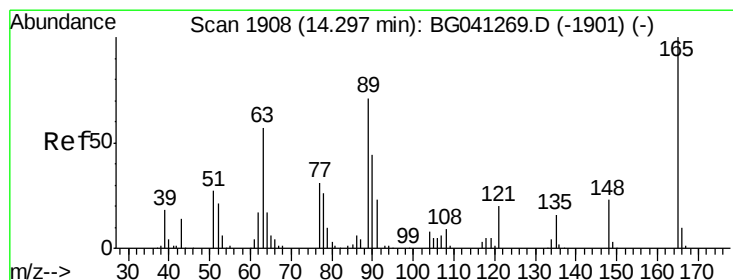
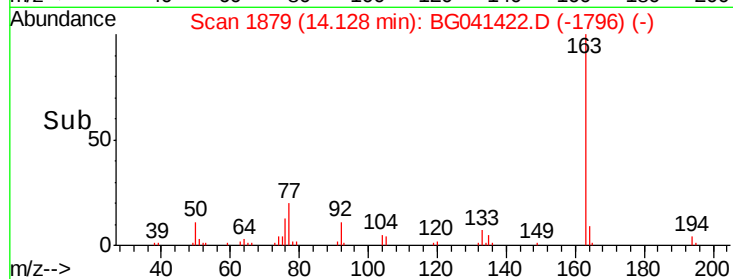
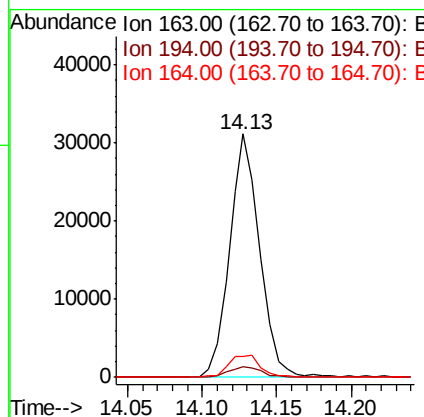
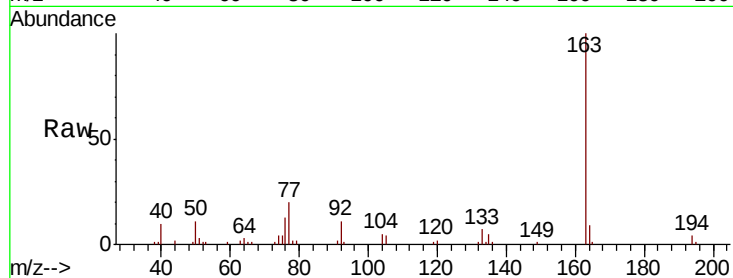
#50
Dimethylphthalate
Concen: 7.862 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.9	5.9
164	8.7	8.3	12.5

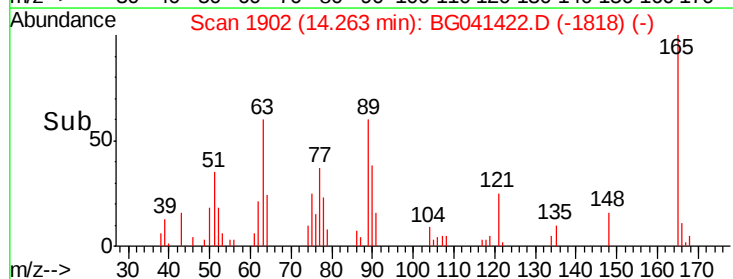
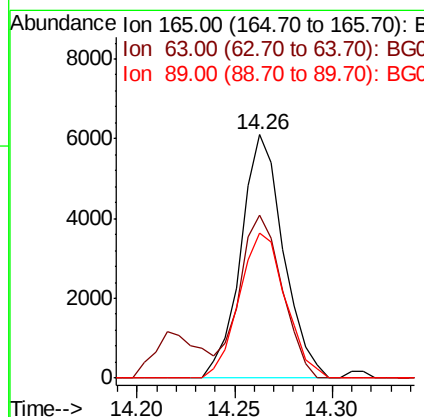
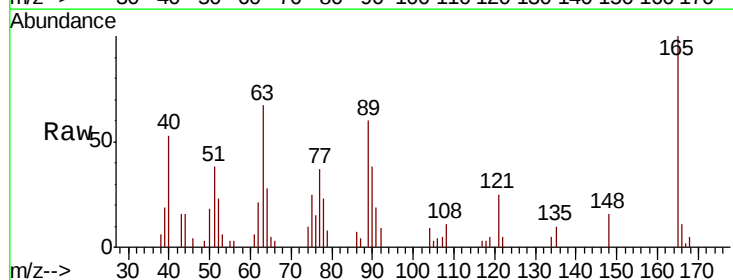
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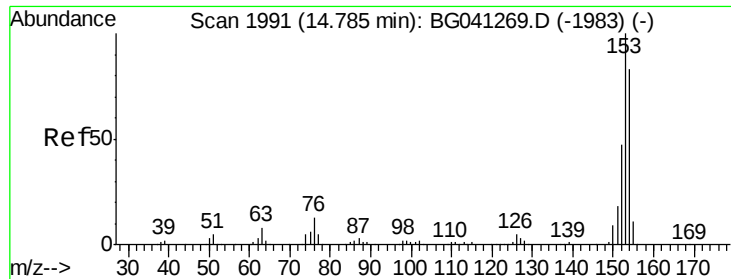
mohammad
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#51
2,6-Dinitrotoluene
Concen: 7.837 ng
RT: 14.26 min Scan# 1902
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	67.1	55.4	83.0
89	59.7	56.5	84.7





#52

Acenaphthene

Concen: 8.044 ng

RT: 14.74 min Scan# 1984

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

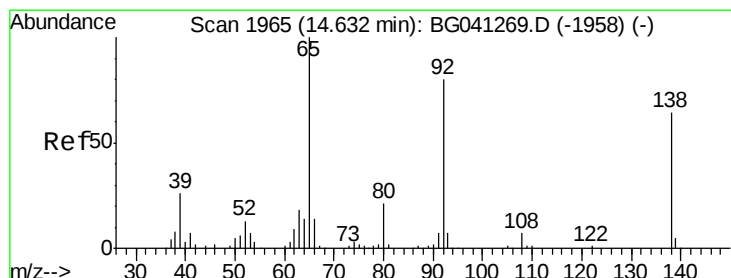
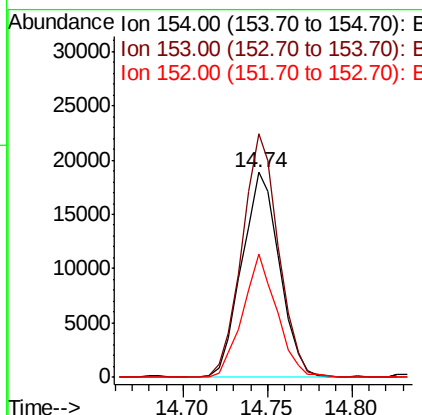
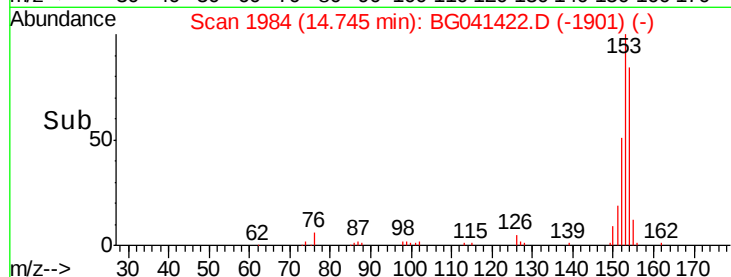
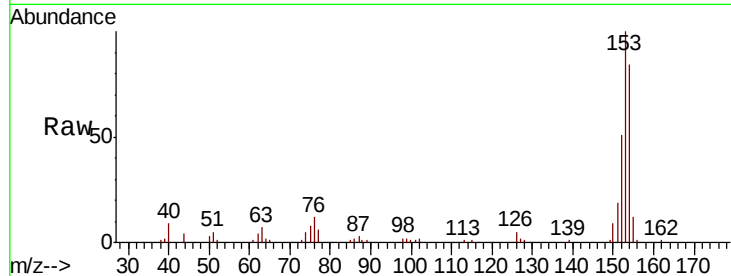
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	154	Resp:	29301
Ion Ratio	Lower	Upper	
154	100		
153	118.9	96.6	145.0
152	60.1	45.5	68.3

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#53

3-Nitroaniline

Concen: 6.127 ng

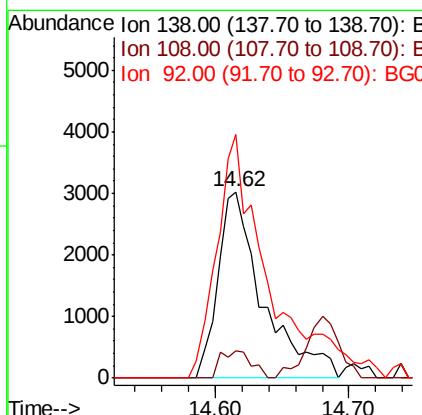
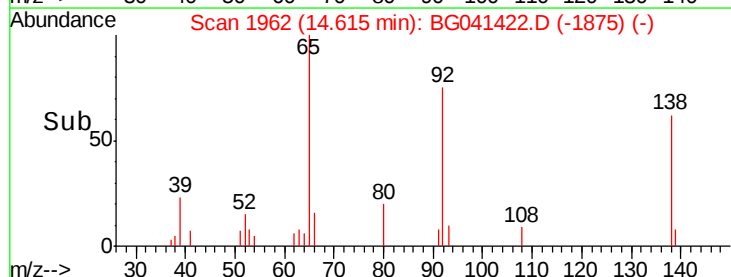
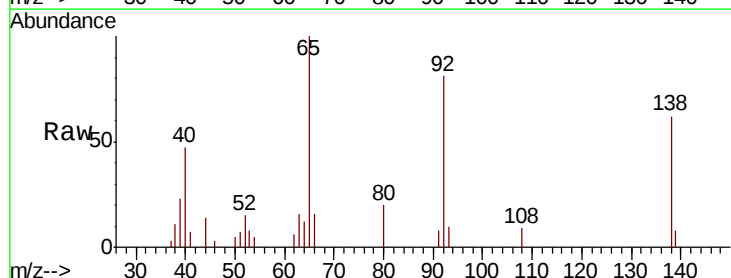
RT: 14.62 min Scan# 1962

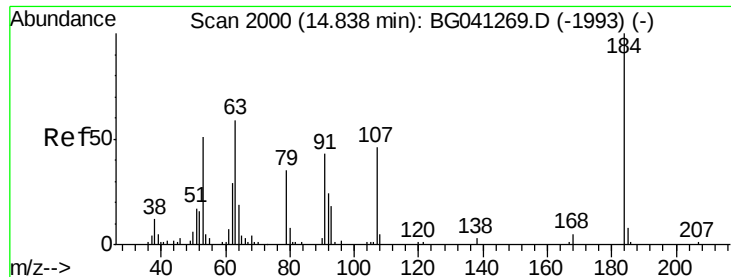
Delta R.T. -0.02 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Tgt Ion:	138	Resp:	7113
Ion Ratio	Lower	Upper	
138	100		
108	14.8	8.3	12.5#
92	130.6	100.2	150.4





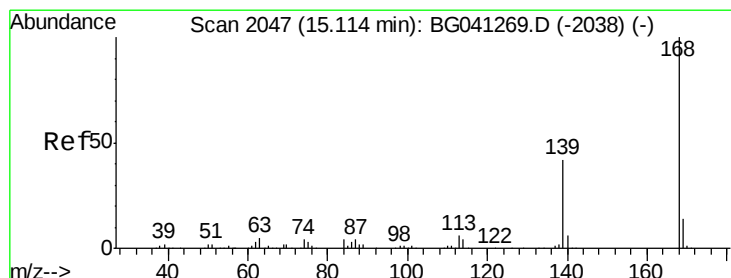
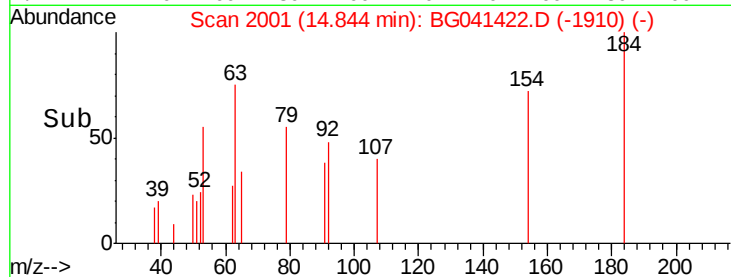
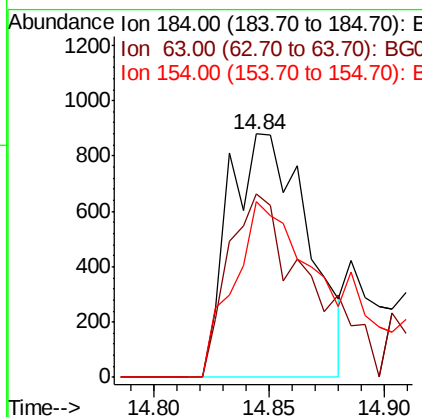
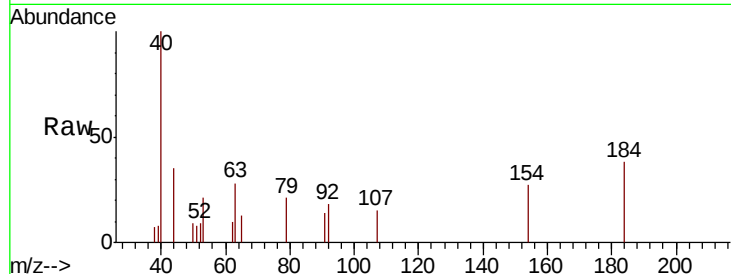
#54
2,4-Dinitrophenol
Concen: 7.161 ng
RT: 14.84 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
184	100		
63	75.5	60.0	90.0
154	72.3	58.3	87.5

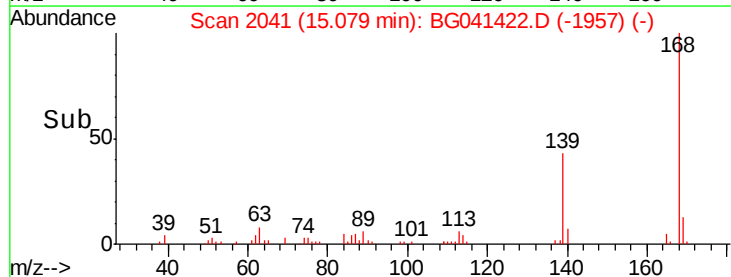
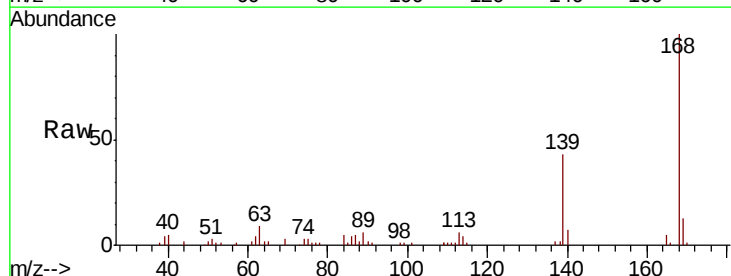
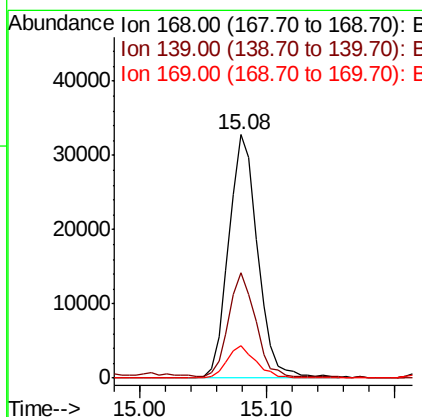
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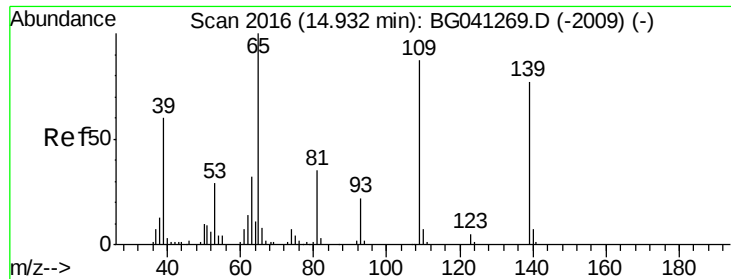
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#55
Dibenzofuran
Concen: 8.172 ng
RT: 15.08 min Scan# 2041
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
168	100		
139	43.1	33.6	50.4
169	13.3	10.8	16.2





#56

4-Nitrophenol

Concen: 6.805 ng

RT: 14.93 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:139 Resp: 3298

Ion Ratio Lower Upper

139 100

109 87.9 93.2 133.2#

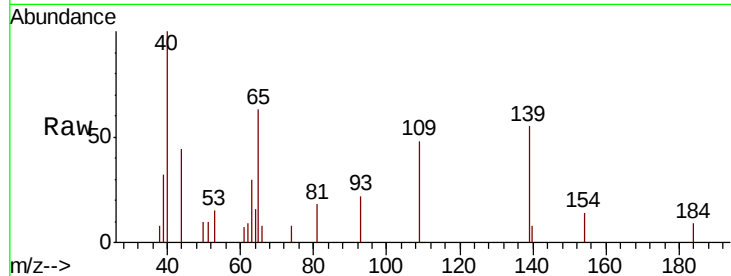
65 114.8 110.2 150.2

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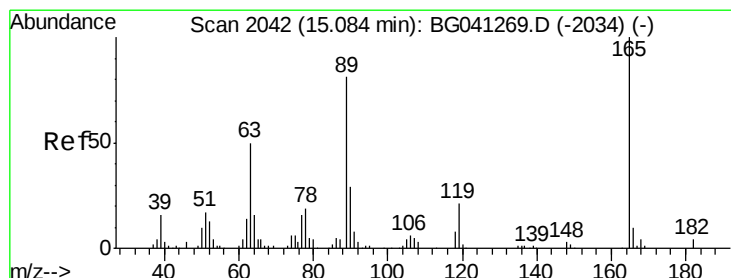
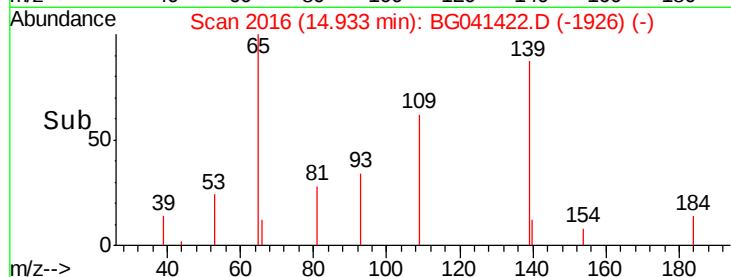
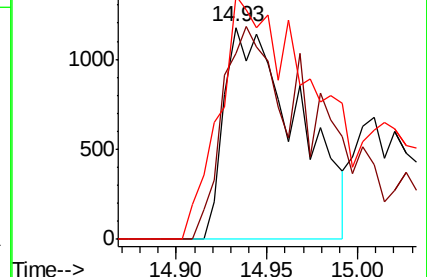
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Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 8.045 ng

RT: 15.06 min Scan# 2037

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Tgt Ion:165 Resp: 13857

Ion Ratio Lower Upper

165 100

63 42.1 40.0 60.0

89 70.6 64.6 96.8

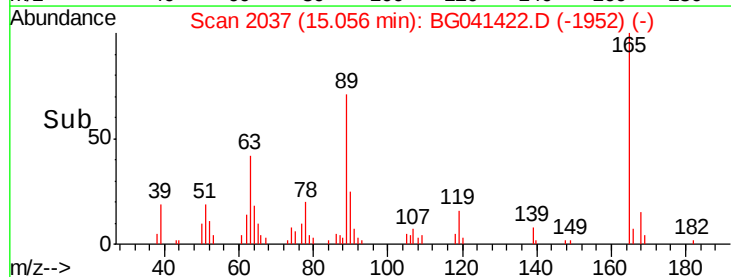
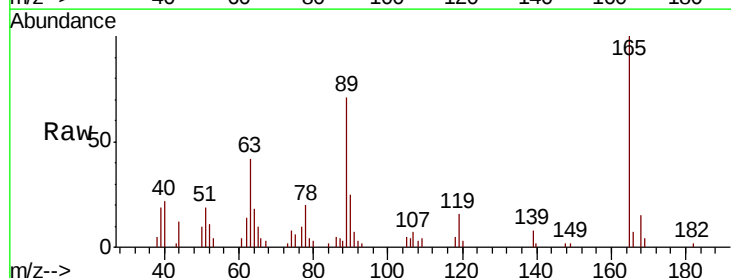
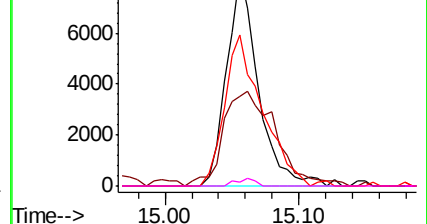
182 1.8 2.9 4.3#

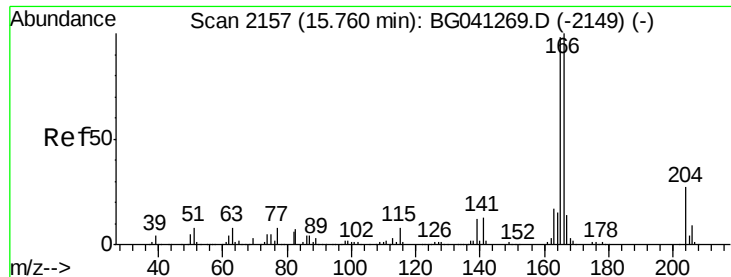
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





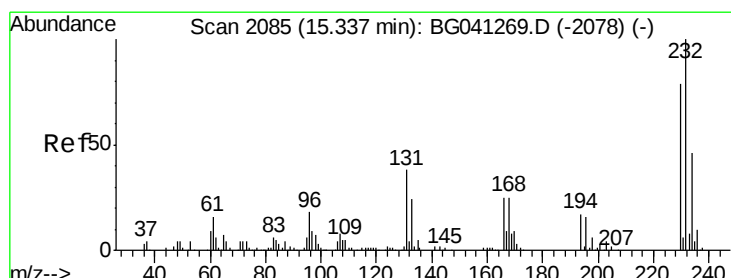
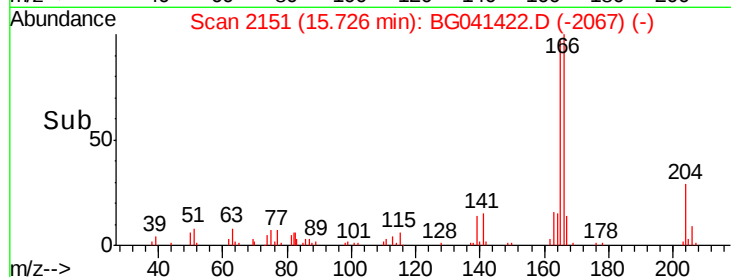
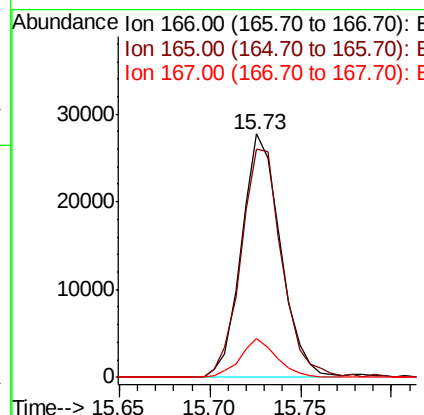
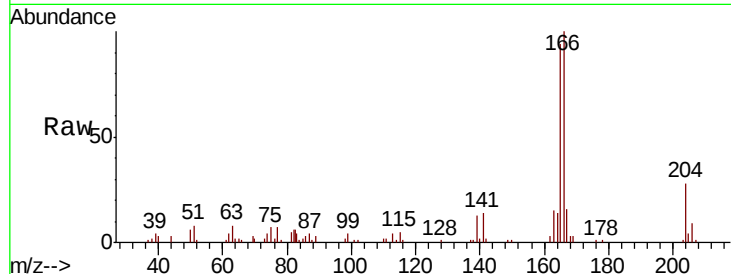
#58
Fluorene
Concen: 8.320 ng
RT: 15.73 min Scan# 2151
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.7	78.8	118.2
167	16.1	11.3	16.9

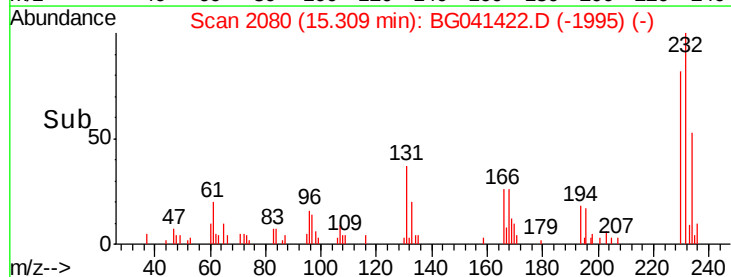
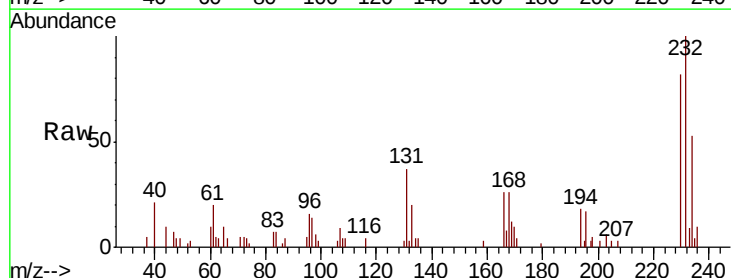
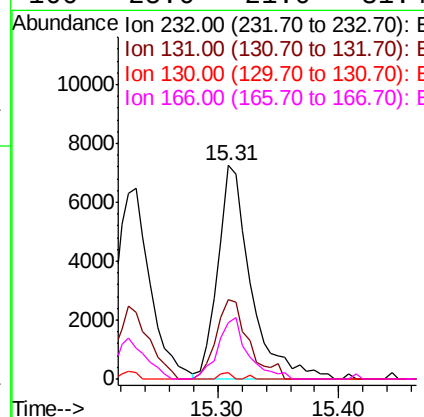
Manual Integrations
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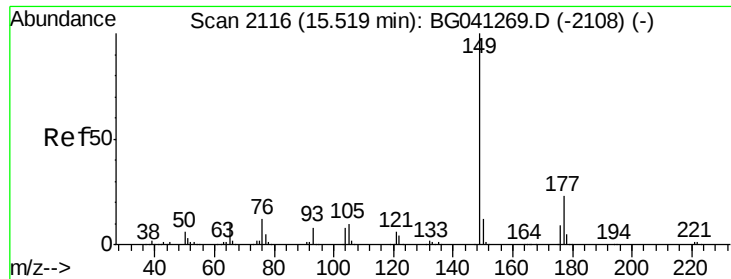
mohammad
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#59
2,3,4,6-Tetrachlorophenol
Concen: 8.025 ng
RT: 15.31 min Scan# 2080
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
232	100		
131	36.2	29.0	43.6
130	1.1	1.6	2.4#
166	25.6	21.0	31.4





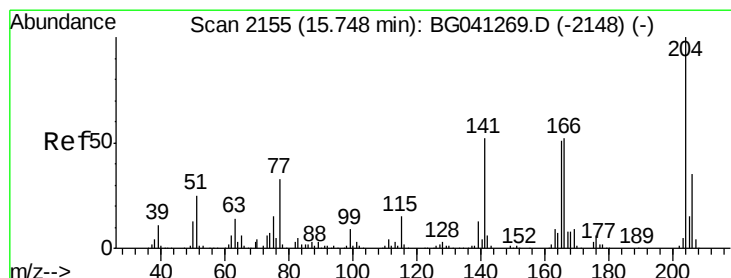
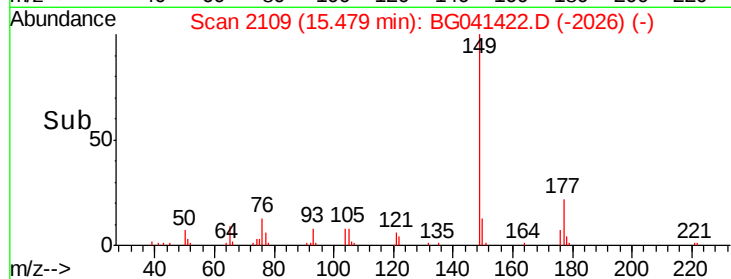
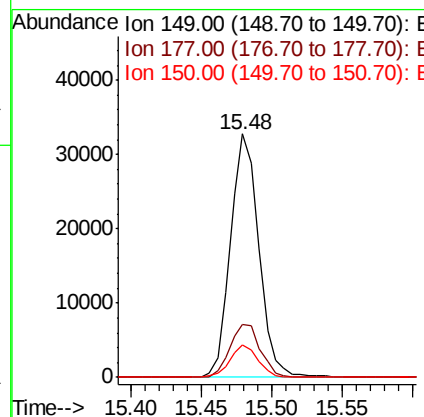
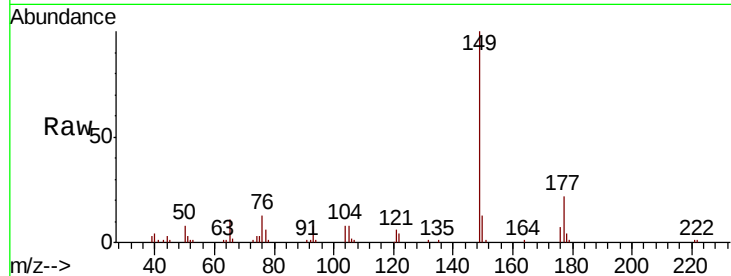
#60
Diethylphthalate
Concen: 8.019 ng
RT: 15.48 min Scan# 2109
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.6	18.4	27.6
150	13.4	9.9	14.9

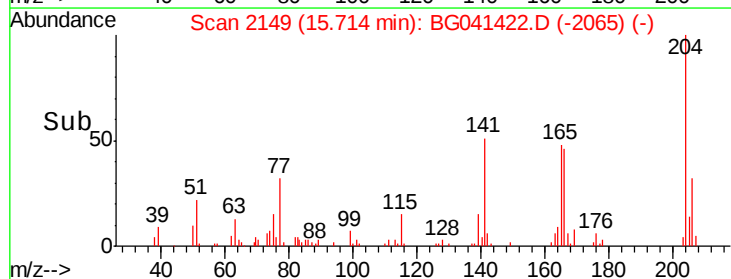
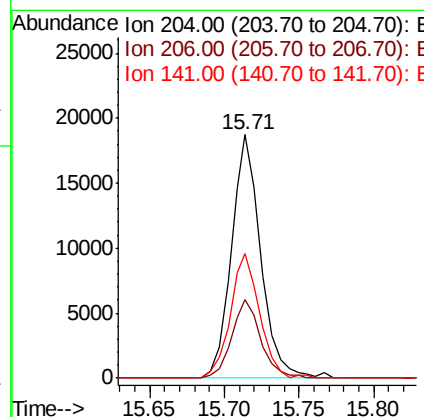
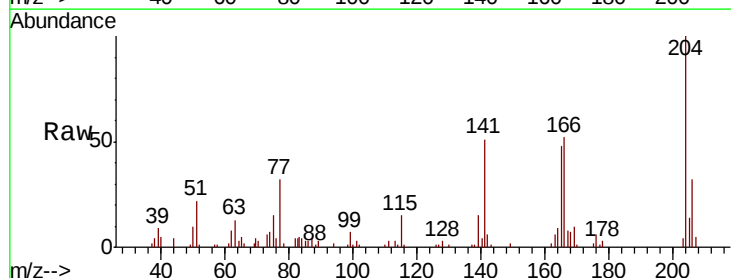
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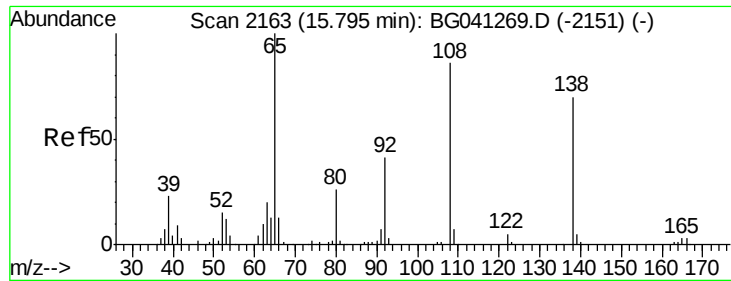
mohammad
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#61
4-Chlorophenyl-phenylether
Concen: 7.929 ng
RT: 15.71 min Scan# 2149
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.3	27.9	41.9
141	51.4	41.4	62.0





#62

4-Nitroaniline

Concen: 6.313 ng/mL

RT: 15.77 min Scan# 2159

Delta R.T. -0.02 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

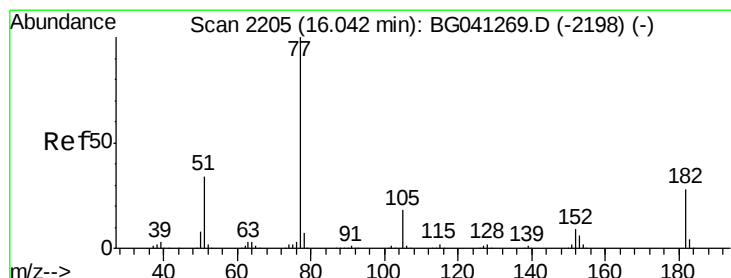
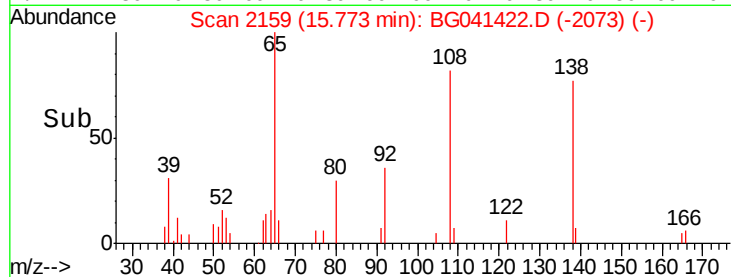
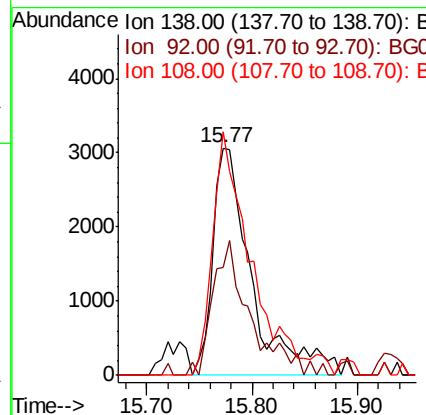
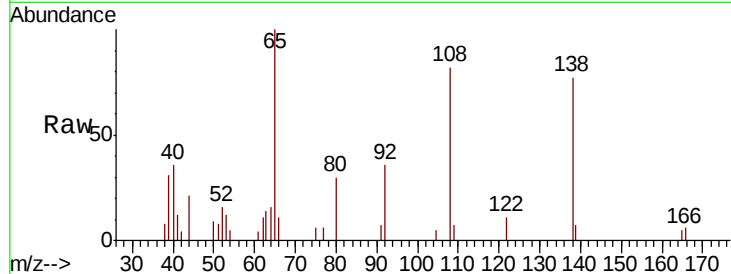
MDL-MDL-SOIL-03-QT2-2019

Tot Ion: 138 Resp: 7839

Ion	Ratio	Lower	Upper
138	100		
92	47.5	38.8	78.8
108	107.2	103.4	143.4

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#63

Azobenzene

Concen: 7.873 ng/mL

RT: 16.01 min Scan# 2199

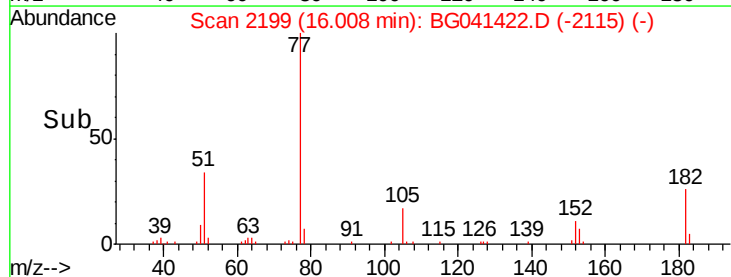
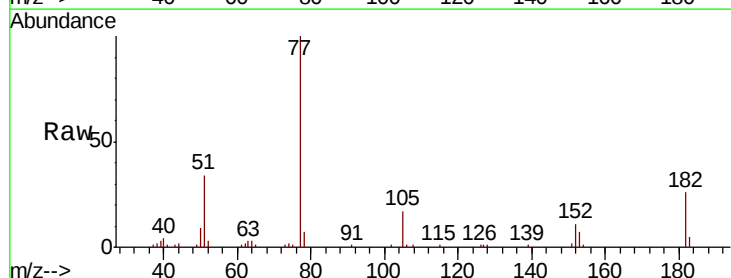
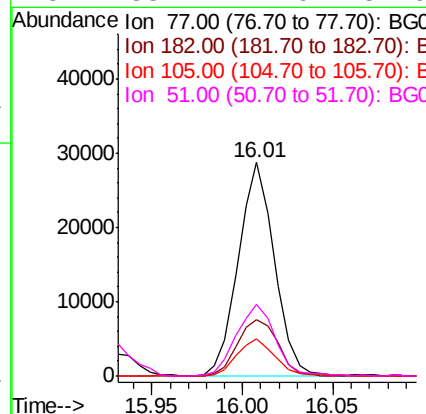
Delta R.T. -0.03 min

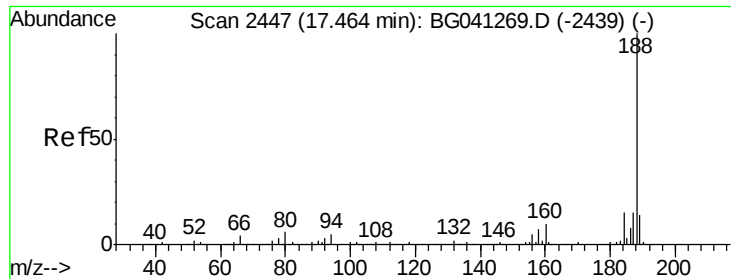
Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Tgt Ion: 77 Resp: 39897

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.5	47.5
105	17.4	0.0	37.7
51	33.7	14.6	54.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

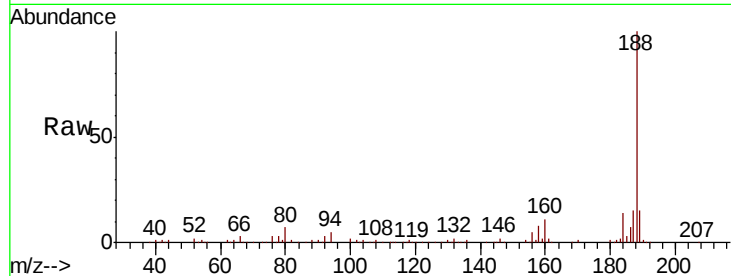
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	188	Resp:	174288
Ion Ratio	Lower	Upper	
188	100		
94	4.6	3.6	5.4
80	6.8	4.8	7.2

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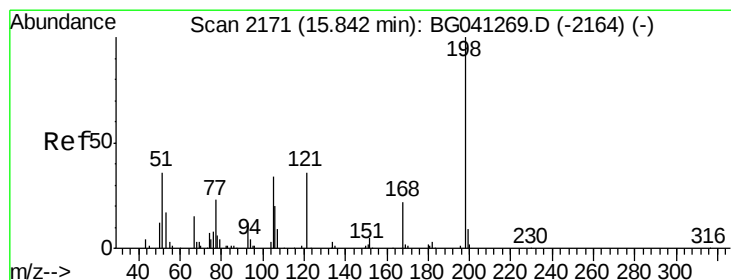
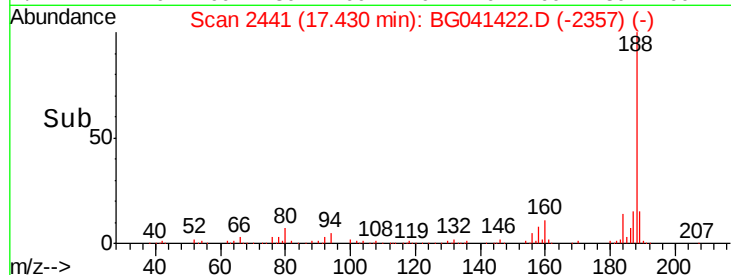
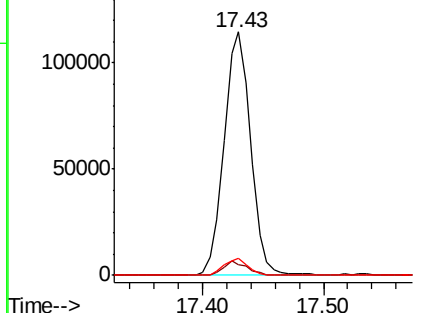
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 5.340 ng

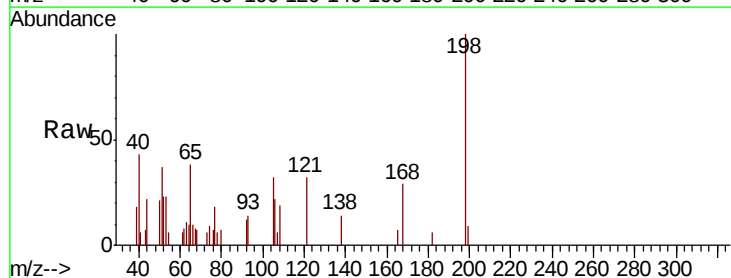
RT: 15.83 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

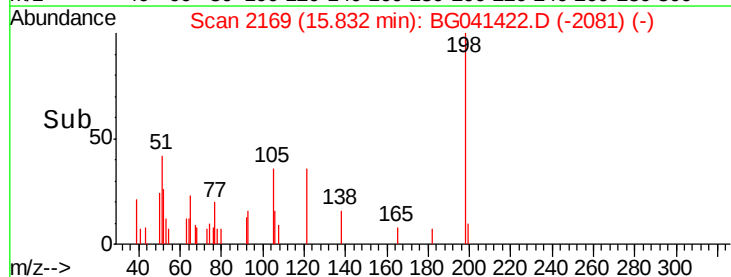
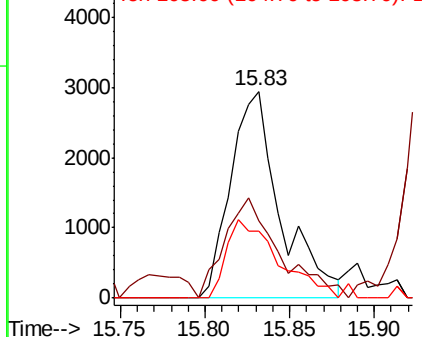
Tgt Ion:	198	Resp:	6041
Ion Ratio	Lower	Upper	
198	100		
51	37.1	23.4	63.4
105	32.2	15.8	55.8

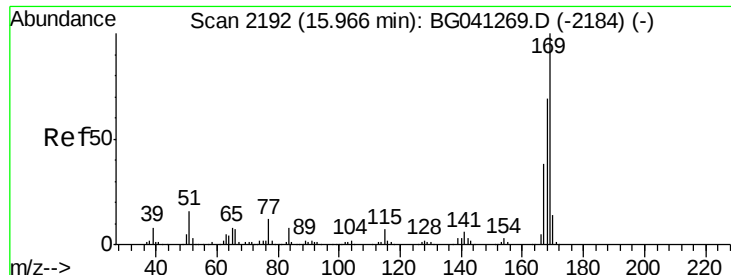


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





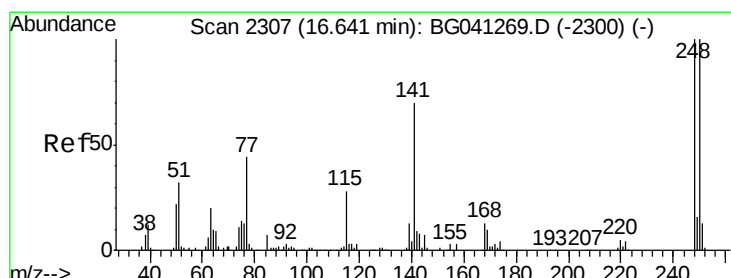
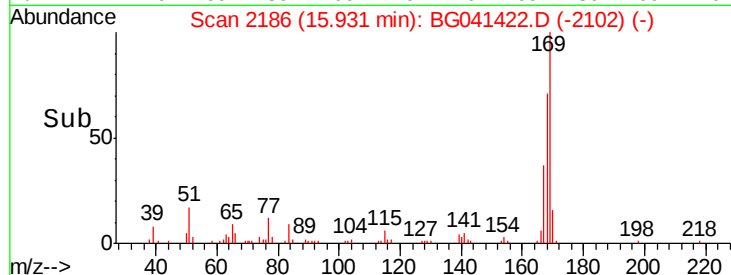
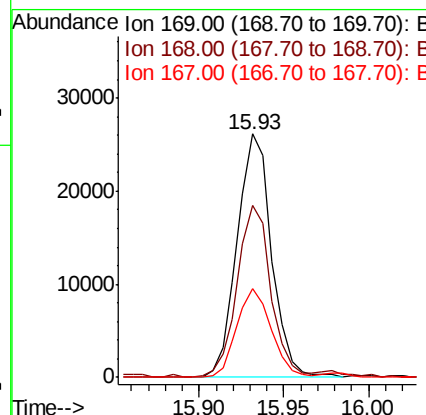
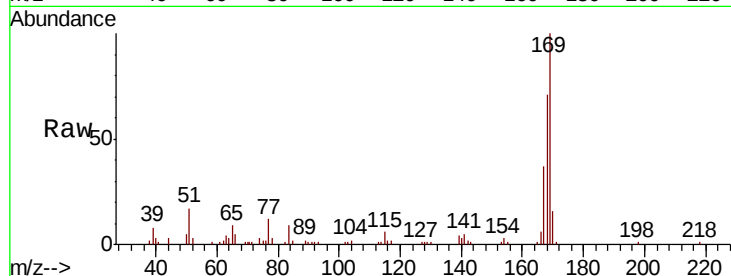
#66
 n-Nitrosodiphenylamine
 Concen: 8.015 ng
 RT: 15.93 min Scan# 2186
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ion	Ratio	Lower	Upper
169	100			
168	70.6	55.2	82.8	
167	36.6	30.4	45.6	

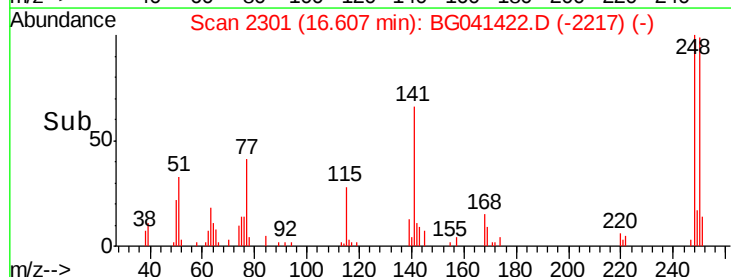
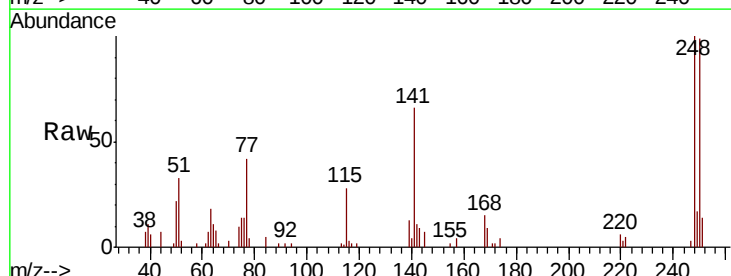
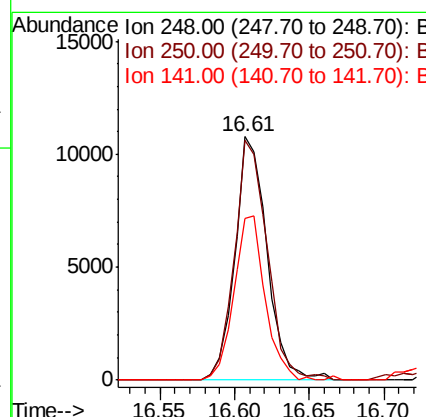
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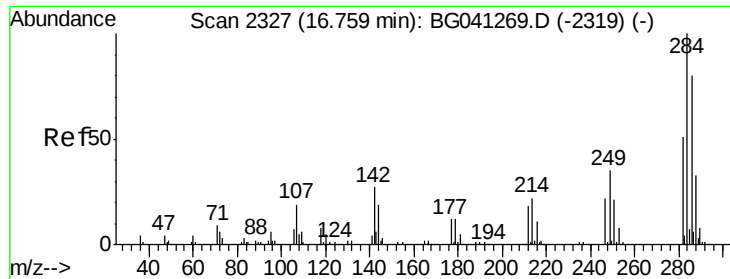
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#67
 4-Bromophenyl-phenylether
 Concen: 7.182 ng
 RT: 16.61 min Scan# 2301
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion	Ion	Ratio	Lower	Upper
248	100			
250	98.7	79.8	119.8	
141	66.3	55.8	83.6	





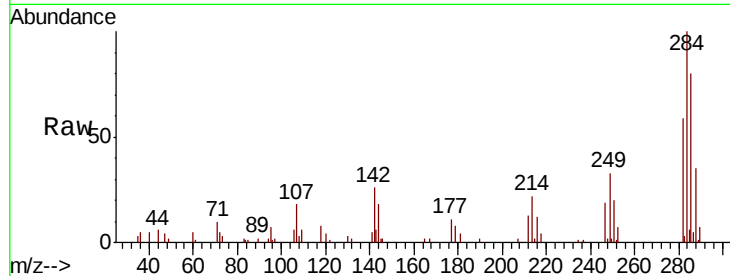
#68
Hexachlorobenzene
Concen: 7.634 ng
RT: 16.72 min Scan# 2321
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

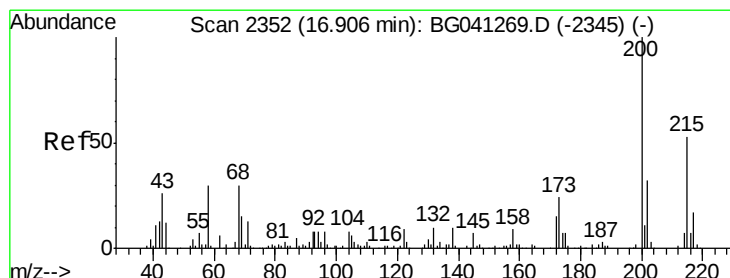
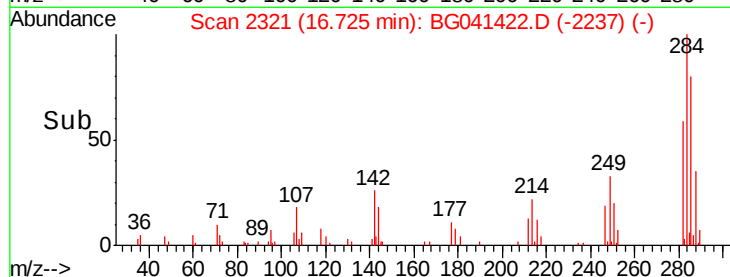
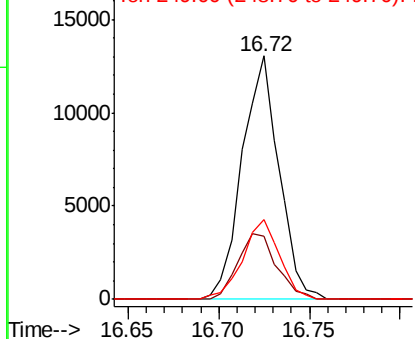
Tot Ion	Ratio	Lower	Upper
284	100		
142	26.0	21.8	32.8
249	32.6	27.8	41.6

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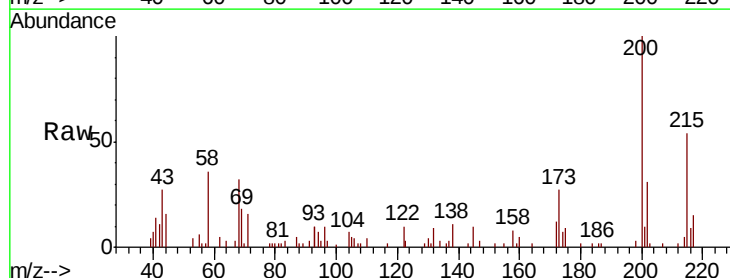


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

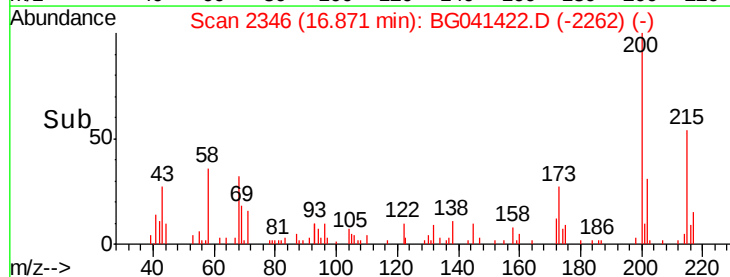
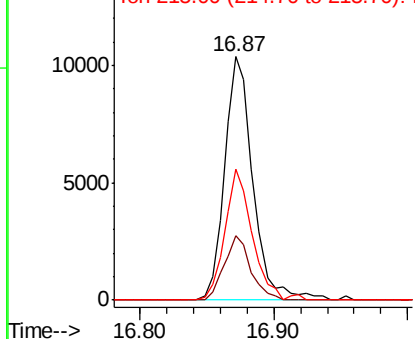


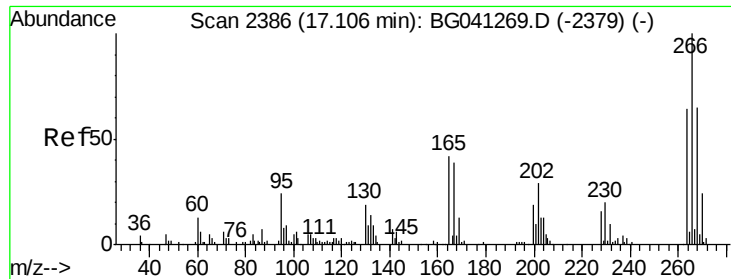
#69
Atrazine
Concen: 7.042 ng
RT: 16.87 min Scan# 2346
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.6	4.0	44.0
215	53.8	33.4	73.4



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





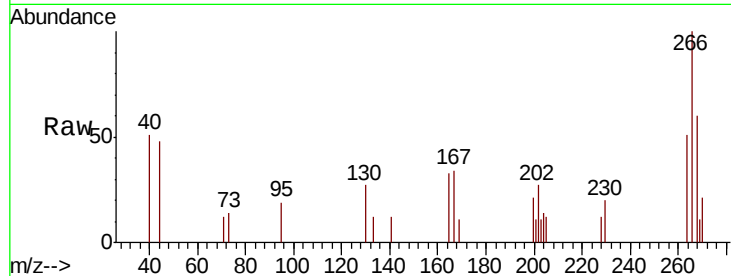
#70
 Pentachlorophenol
 Concen: 3.081 ng
 RT: 17.09 min Scan# 2384
 Delta R.T. -0.01 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

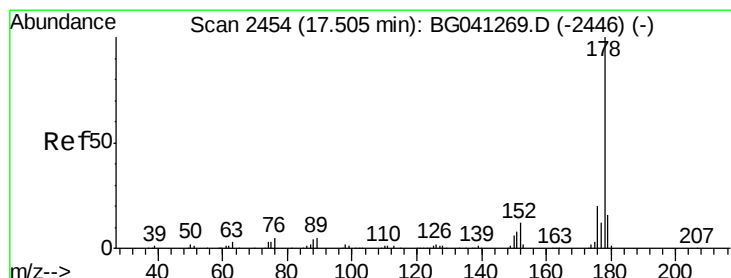
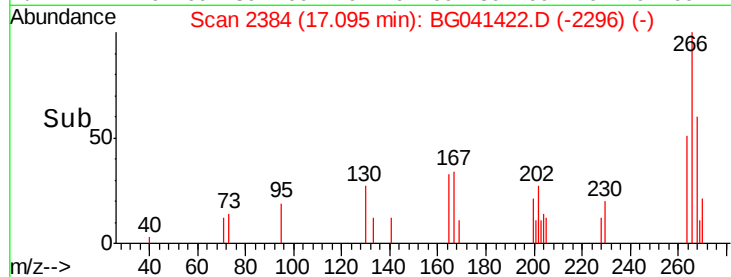
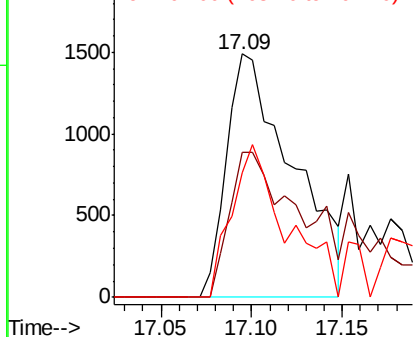
Tot Ion	Ratio	Lower	Upper
266	100		
268	59.5	52.0	78.0
264	51.2	51.2	76.8

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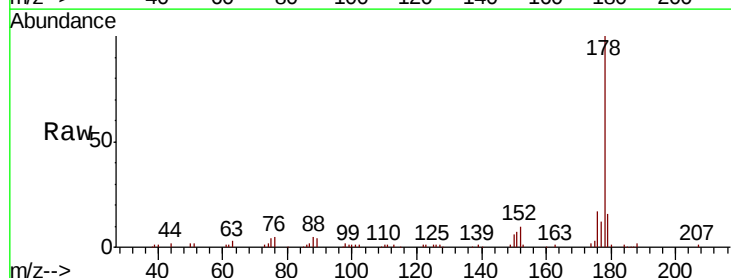


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

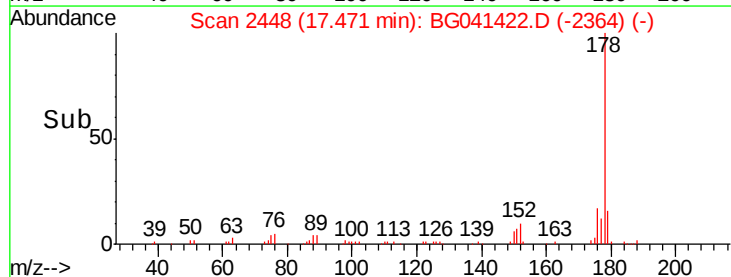
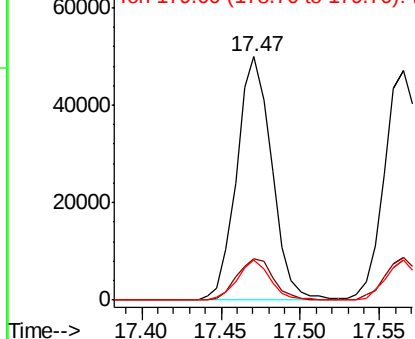


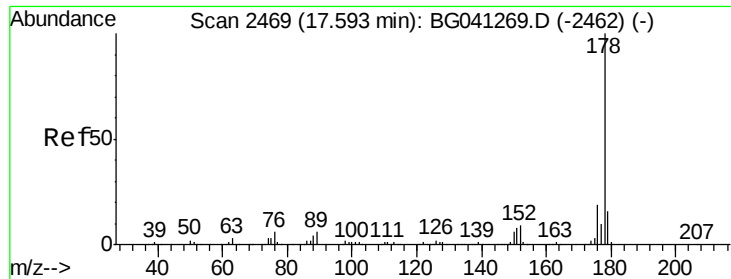
#71
 Phenanthrene
 Concen: 8.253 ng
 RT: 17.47 min Scan# 2448
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.8	16.1	24.1
179	16.3	12.9	19.3



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





#72

Anthracene

Concen: 8.542 ng

RT: 17.56 min Scan# 2464

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

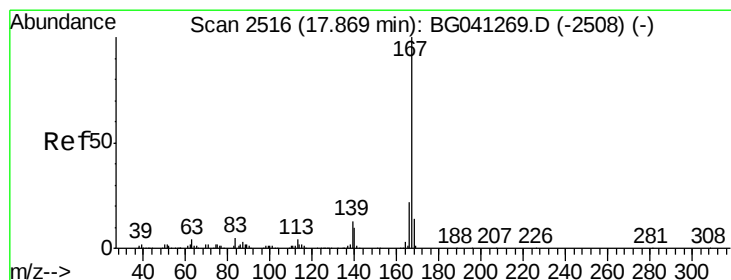
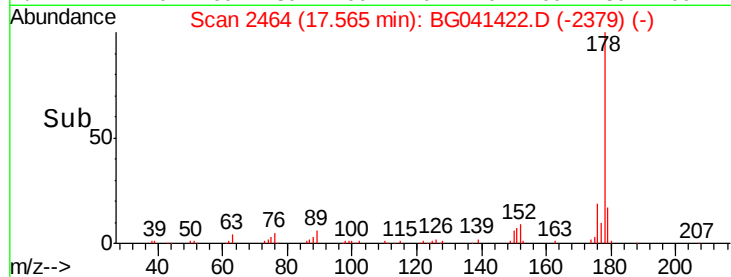
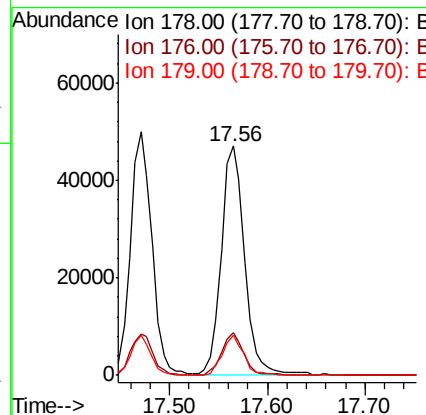
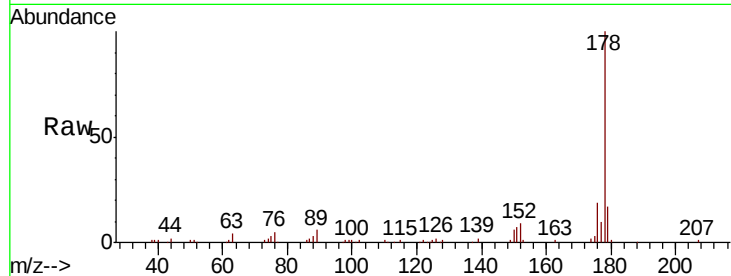
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	17.4	13.0	19.4

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#73

Carbazole

Concen: 8.158 ng

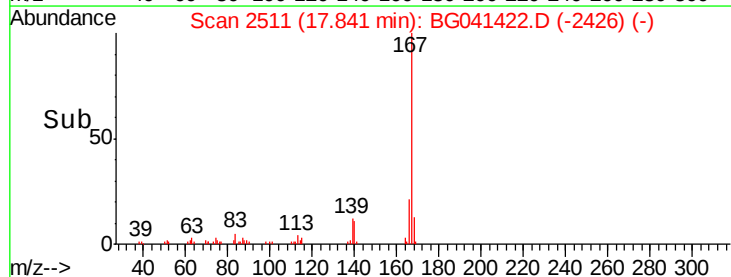
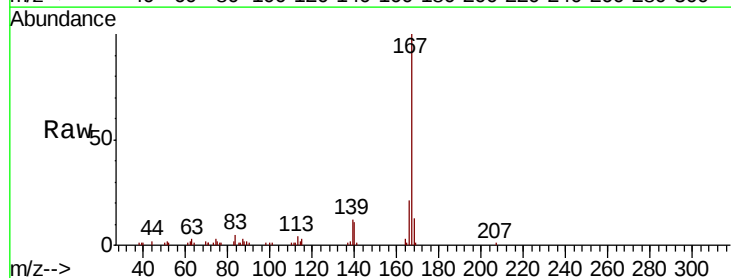
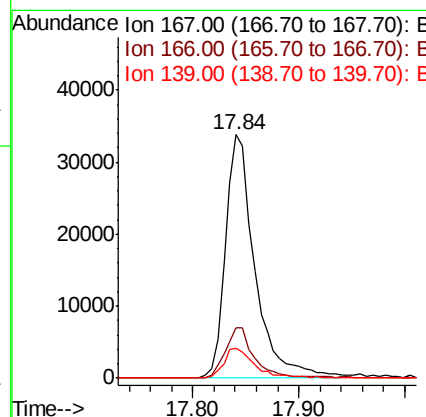
RT: 17.84 min Scan# 2511

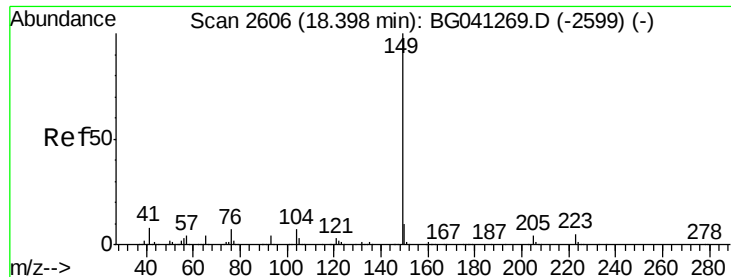
Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.9	26.9
139	12.3	10.7	16.1





#74

Di-n-butylphthalate

Concen: 7.893 ng

RT: 18.36 min Scan# 2600

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

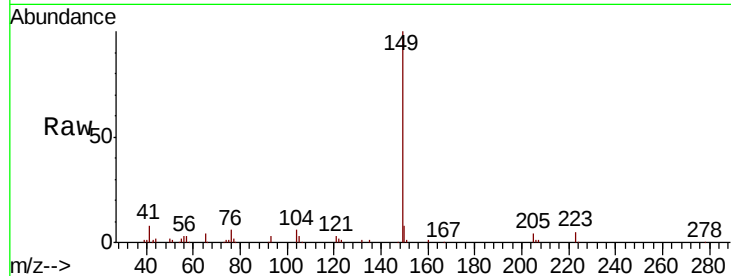
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

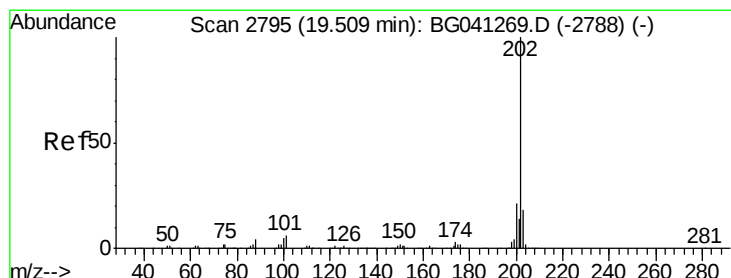
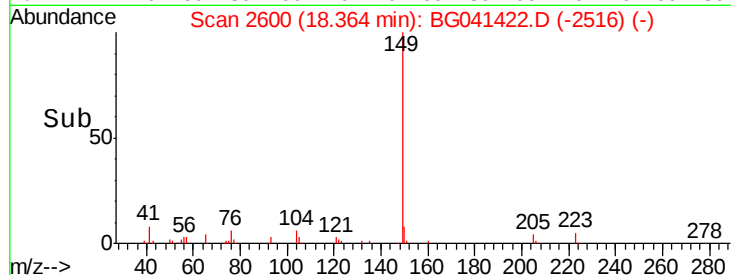
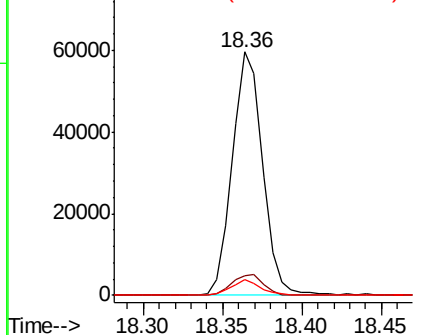
Tot Ion:	149	Resp:	78951
Ion Ratio	Lower	Upper	
149	100		
150	7.9	8.1	12.1#
104	6.3	5.4	8.0

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 8.385 ng

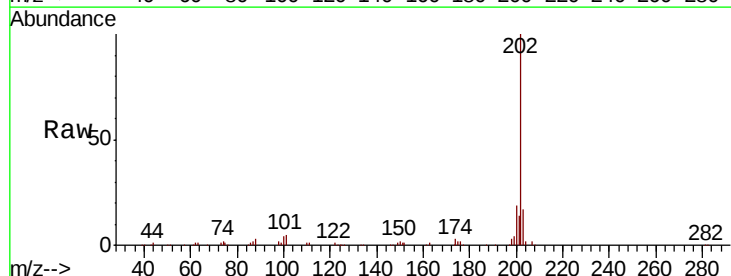
RT: 19.48 min Scan# 2790

Delta R.T. -0.03 min

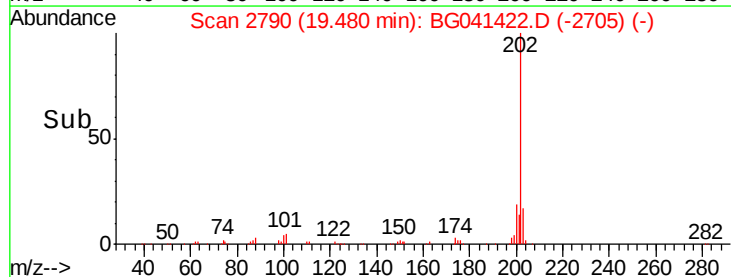
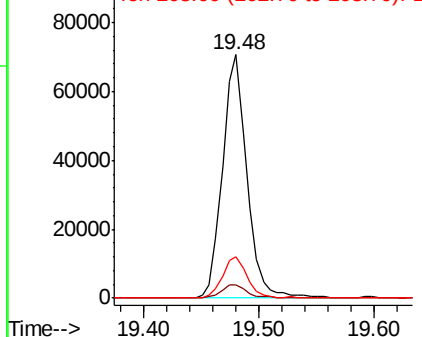
Lab File: BG041422.D

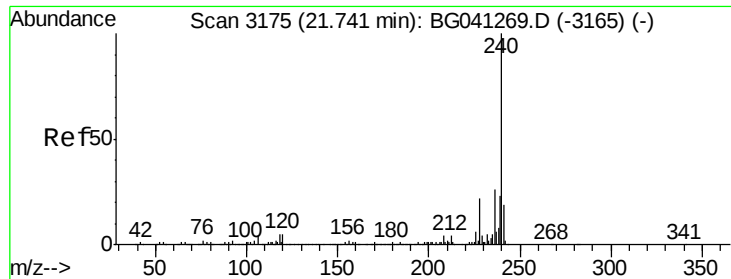
Acq: 24 Jun 2019 13:02

Tgt Ion:	202	Resp:	103553
Ion Ratio	Lower	Upper	
202	100		
101	5.3	0.0	26.0
203	16.9	0.0	37.7



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





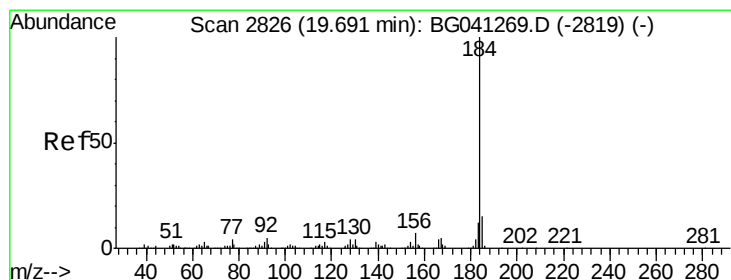
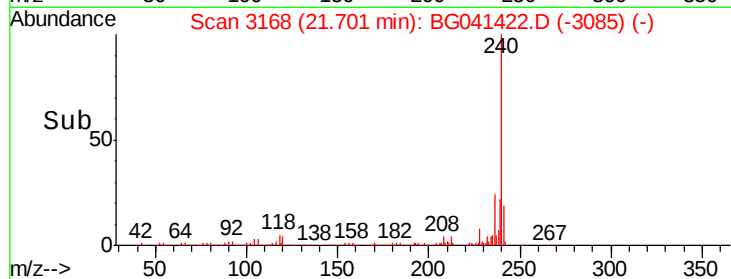
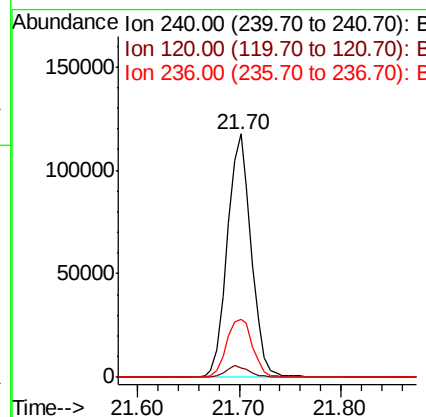
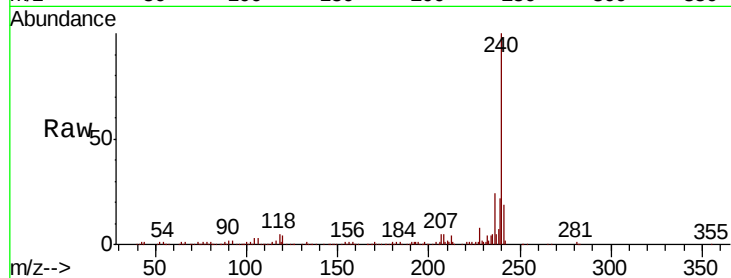
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
240	100		
120	3.8	3.7	5.5
236	24.0	21.1	31.7

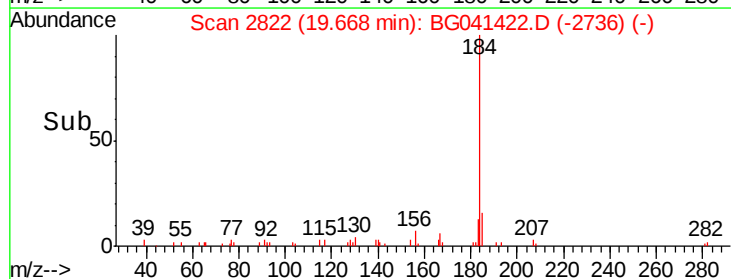
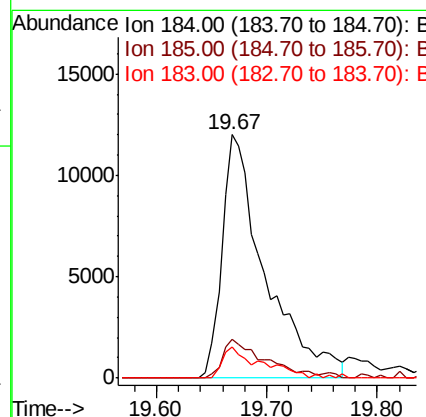
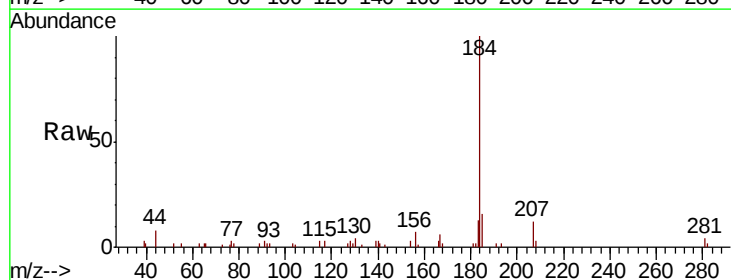
Manual Integrations
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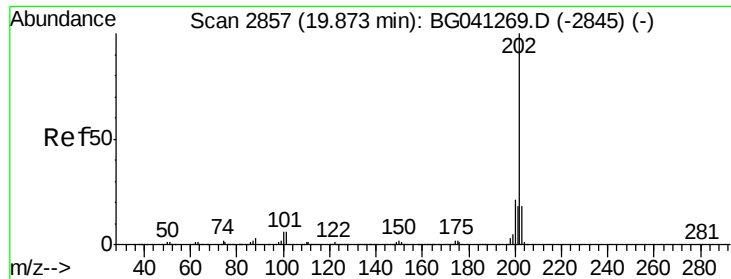
mohammad
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#77
Benzidine
Concen: 6.997 ng
RT: 19.67 min Scan# 2822
Delta R.T. -0.02 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.9	12.2	18.2
183	12.7	9.6	14.4





#78

Pvrene

Concen: 8.315 ng

RT: 19.84 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

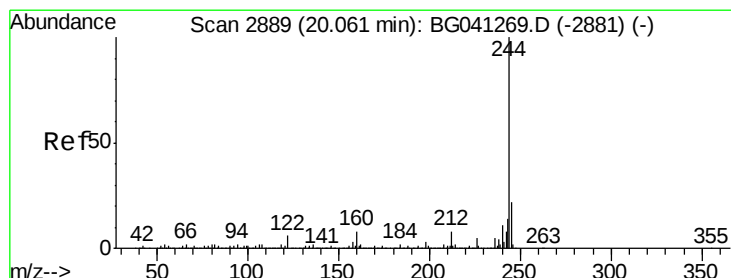
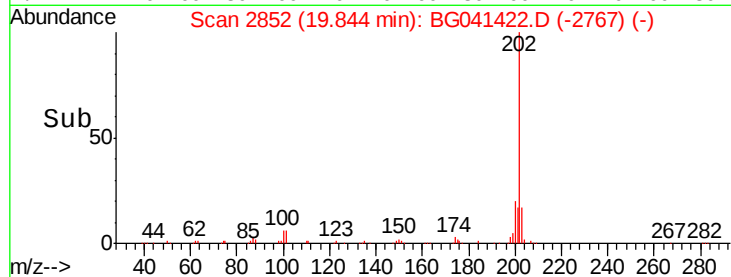
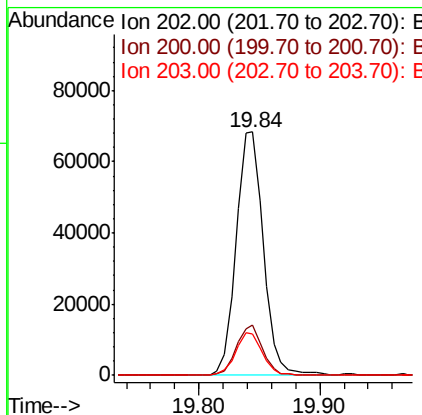
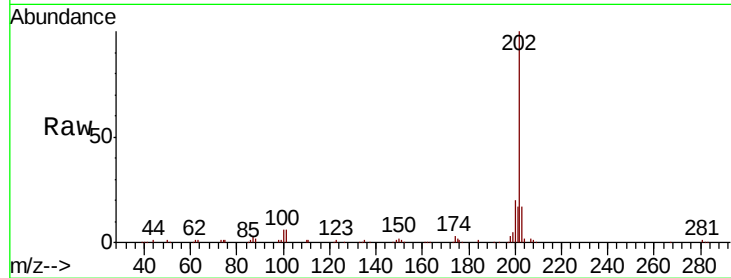
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	202	Resp:	107714
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.8	25.2
203	17.1	14.6	21.8

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#79

Terphenyl-d14

Concen: 96.681 ng

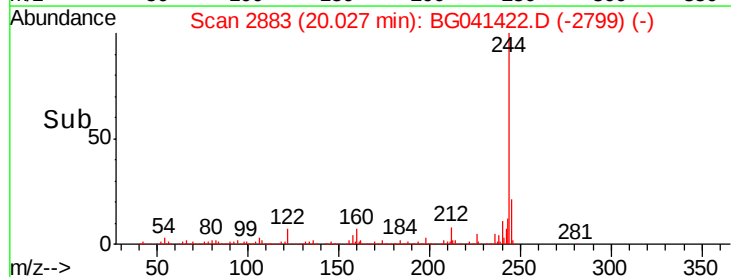
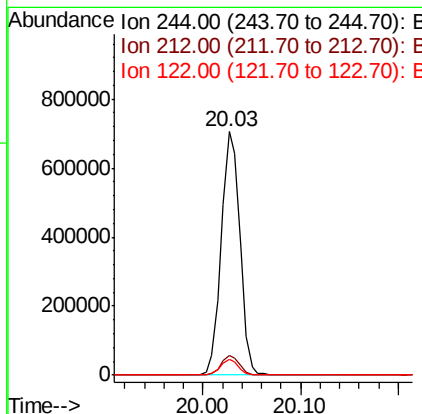
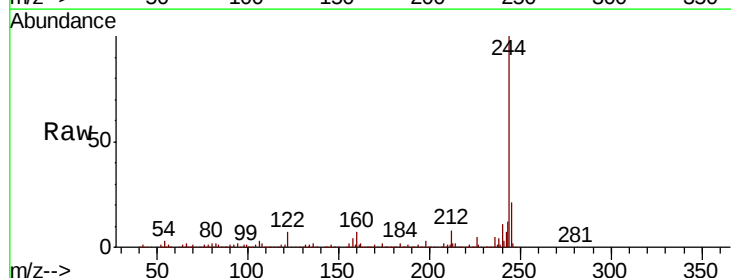
RT: 20.03 min Scan# 2883

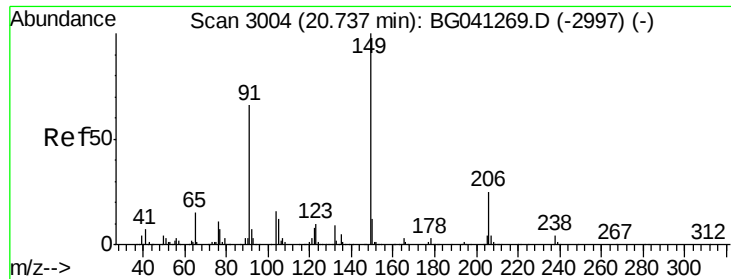
Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Tgt Ion:	244	Resp:	937088
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.6	10.0
122	6.5	5.0	7.4





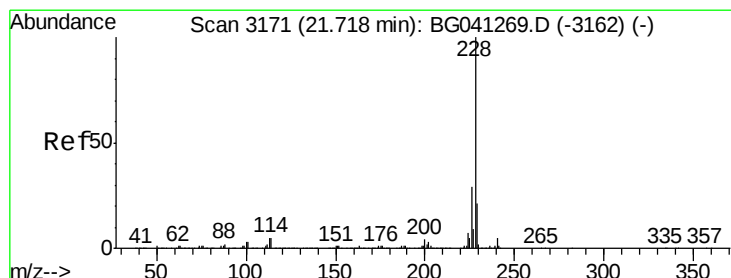
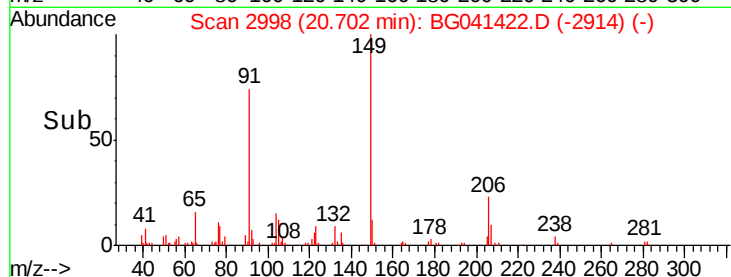
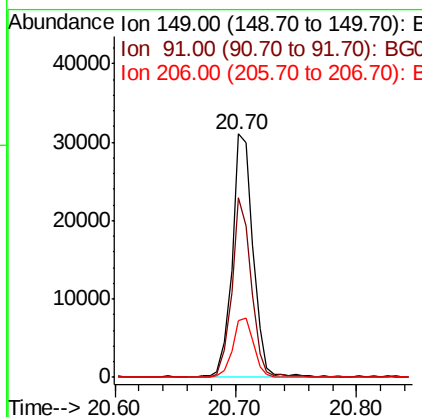
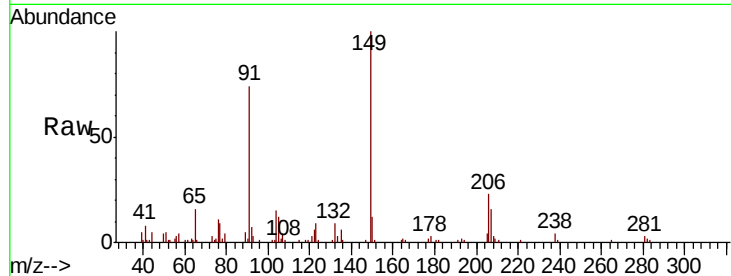
#80
Butylbenzylphthalate
Concen: 7.652 ng
RT: 20.70 min Scan# 2998
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
149	100		
91	73.6	53.2	79.8
206	23.4	20.3	30.5

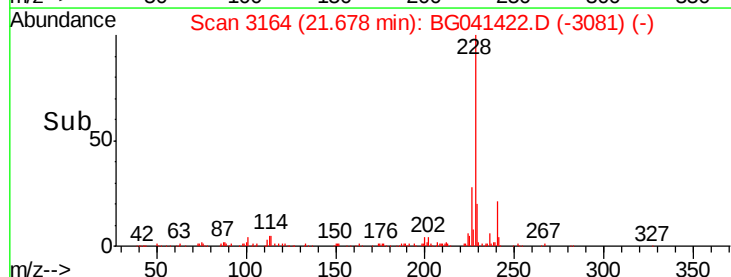
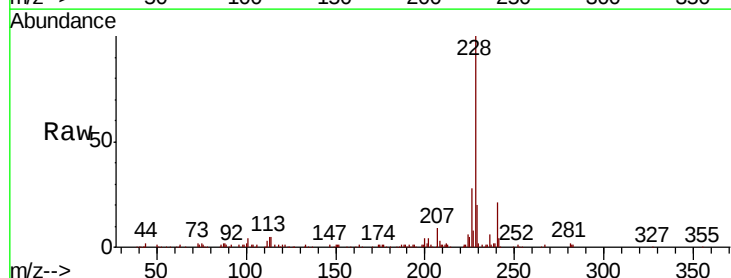
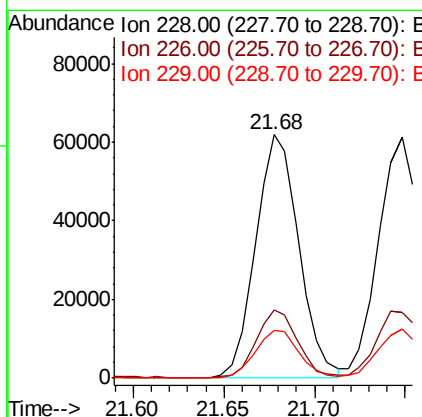
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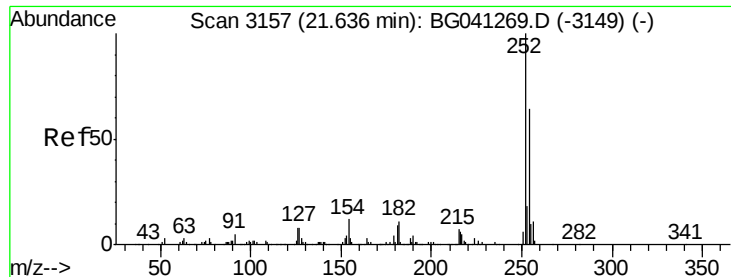
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#81
Benzo(a)anthracene
Concen: 7.859 ng
RT: 21.68 min Scan# 3164
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.2	34.8
229	19.8	16.8	25.2





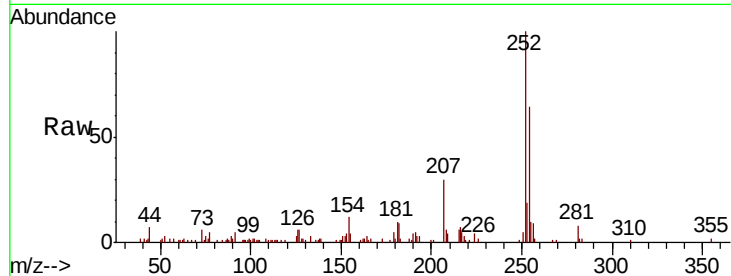
#82
 3,3'-Dichlorobenzidine
 Concen: 7.902 ng
 RT: 21.60 min Scan# 3151
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.4	77.0
126	6.2	6.0	9.0

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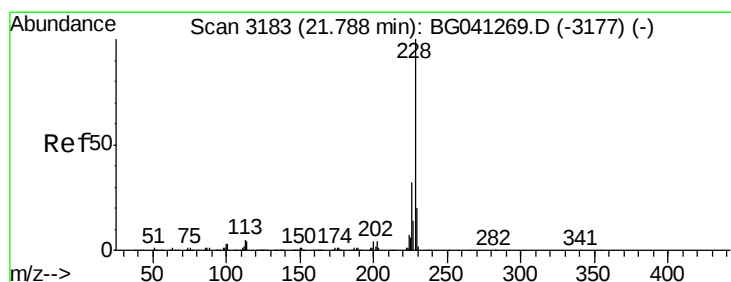
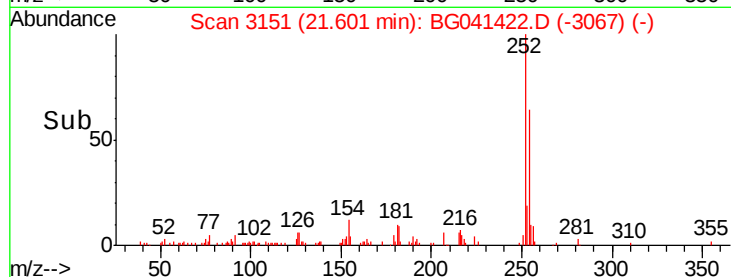
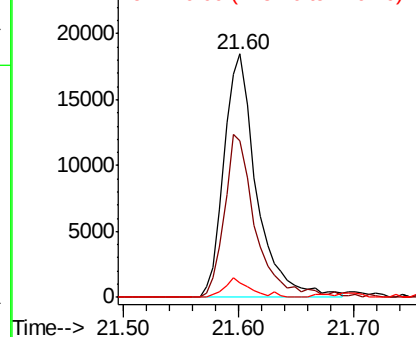


Abundance

Ion 252.00 (251.70 to 252.70): E

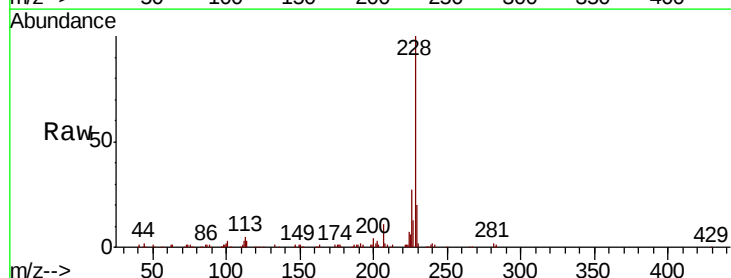
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83
 Chrysene
 Concen: 8.114 ng
 RT: 21.75 min Scan# 3176
 Delta R.T. -0.04 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	25.4	38.0
229	20.1	16.2	24.2

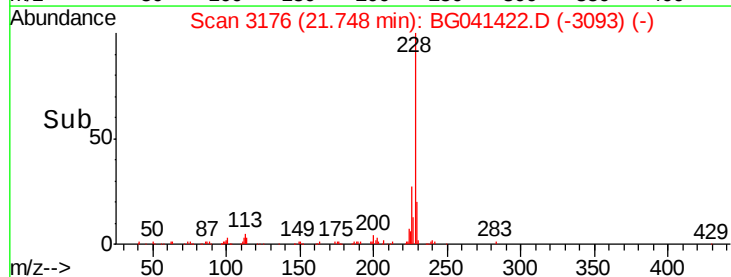
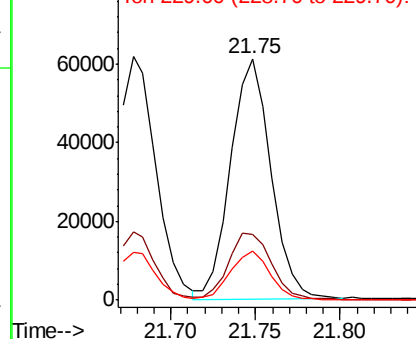


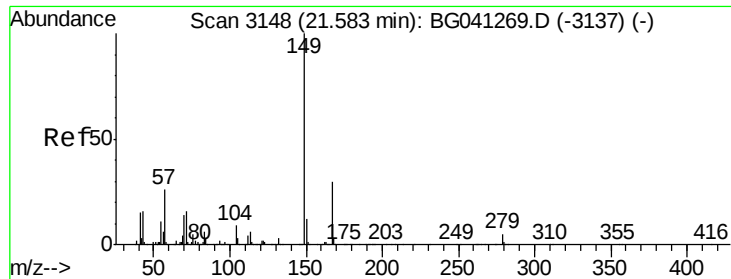
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.787 ng

RT: 21.55 min Scan# 3142

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

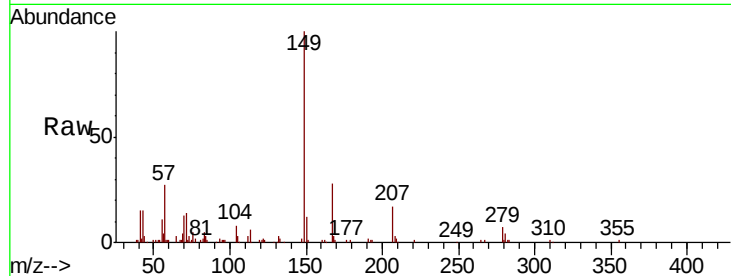
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

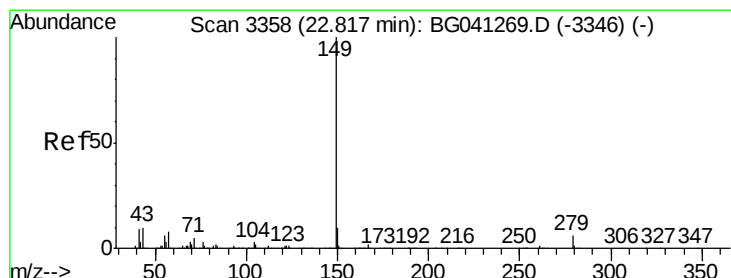
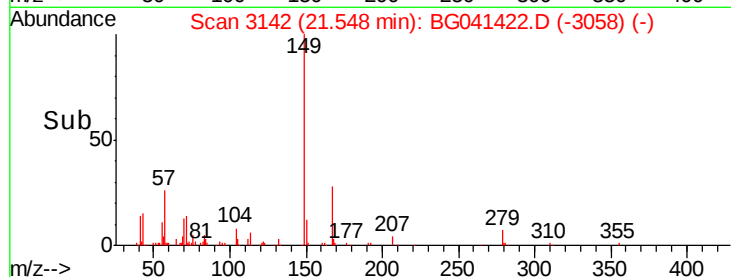
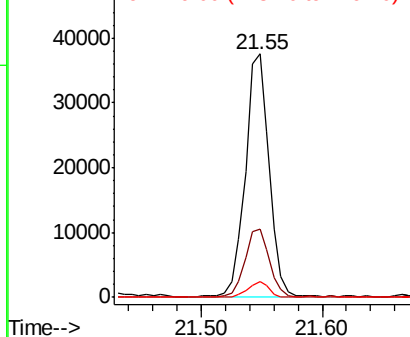
Tot Ion:	149	Resp:	51996
Ion Ratio	Lower	Upper	
149	100		
167	28.0	23.8	35.8
279	6.7	4.4	6.6#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 7.736 ng

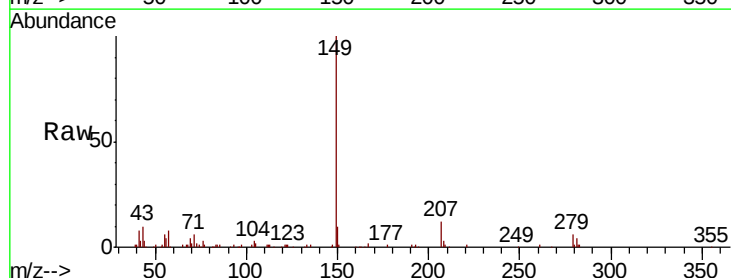
RT: 22.76 min Scan# 3349

Delta R.T. -0.05 min

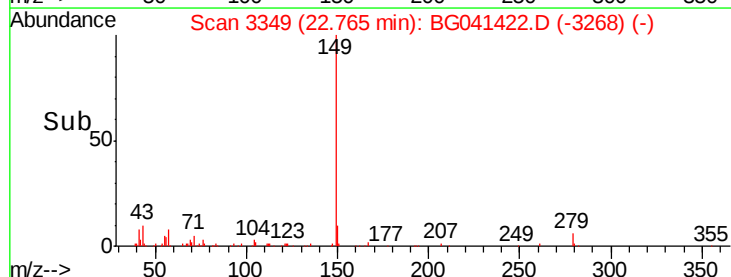
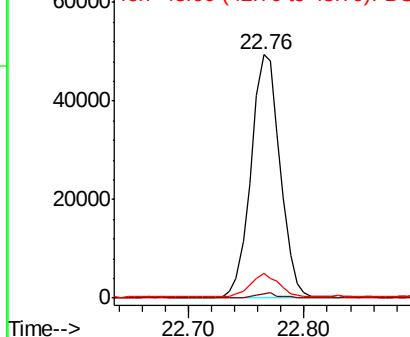
Lab File: BG041422.D

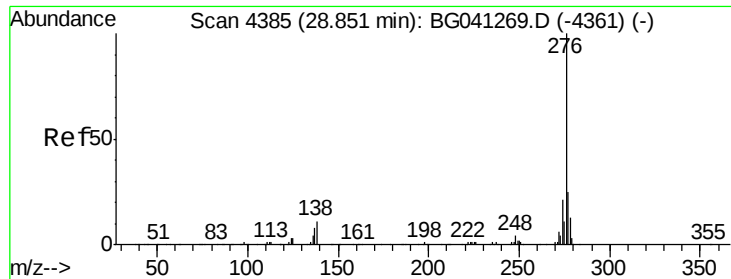
Acq: 24 Jun 2019 13:02

Tgt Ion:	149	Resp:	87393
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.4	2.0
43	9.5	8.2	12.2



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





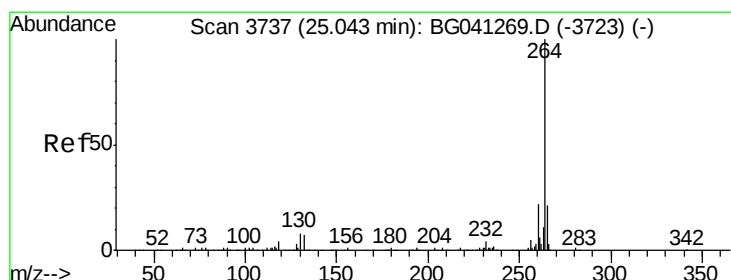
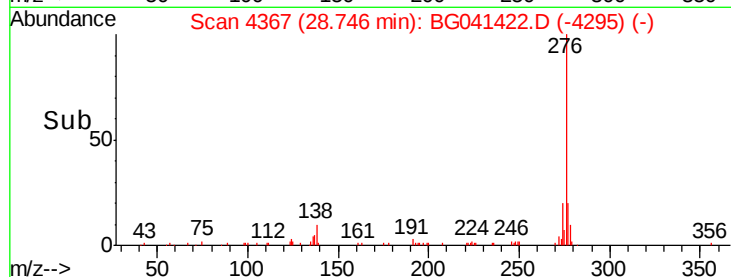
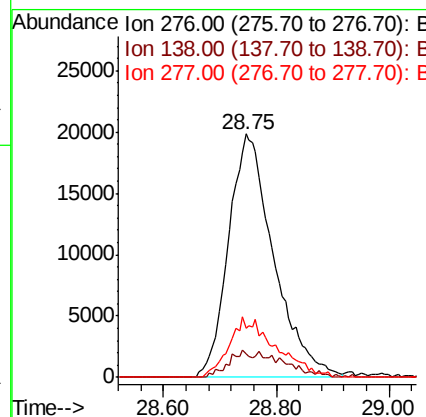
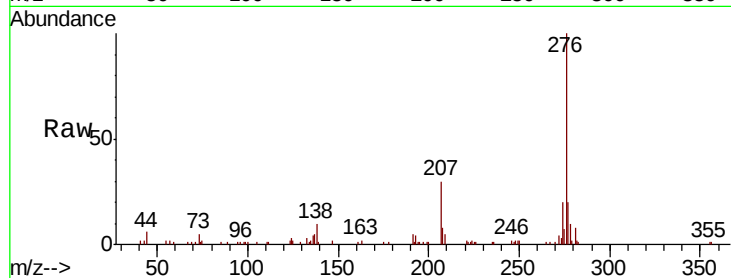
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.429 ng
RT: 28.75 min Scan# 4367
Delta R.T. -0.10 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.4	7.7	11.5#
277	12.3	20.6	31.0#

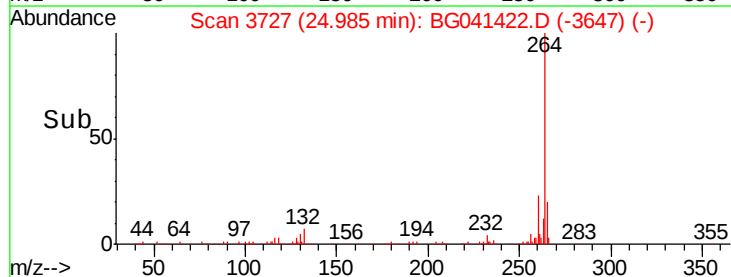
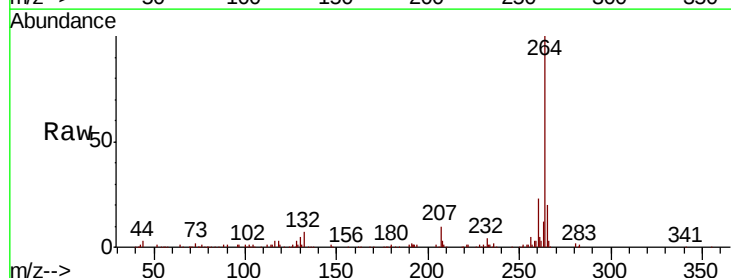
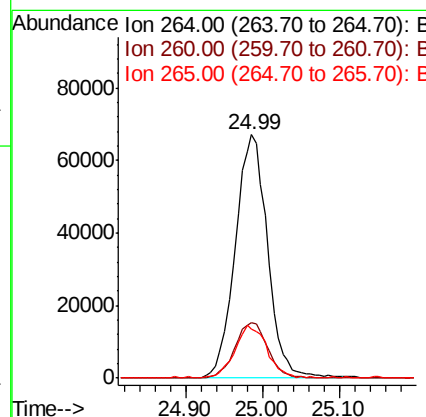
Manual Integrations
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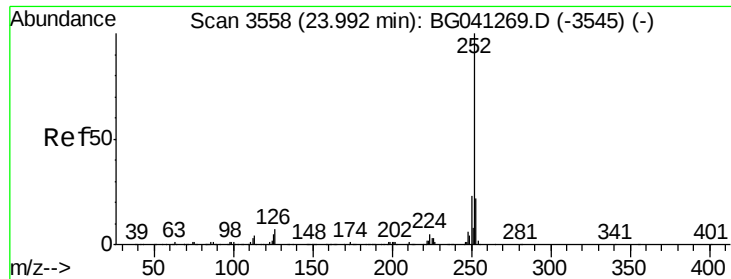
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 24.99 min Scan# 3727
Delta R.T. -0.06 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.4	26.2
265	20.2	17.2	25.8





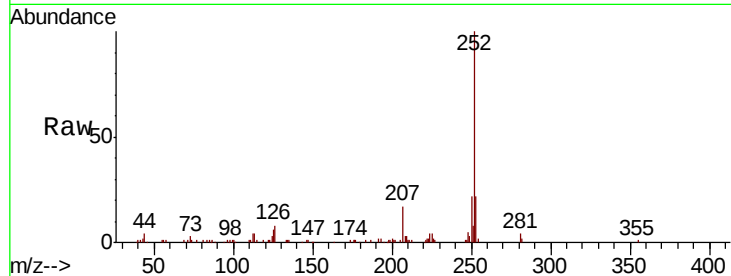
#88
Benzo(b)fluoranthene
Concen: 7.844 ng
RT: 23.93 min Scan# 3547
Delta R.T. -0.06 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	5.5	3.9	5.9

Manual Integrations
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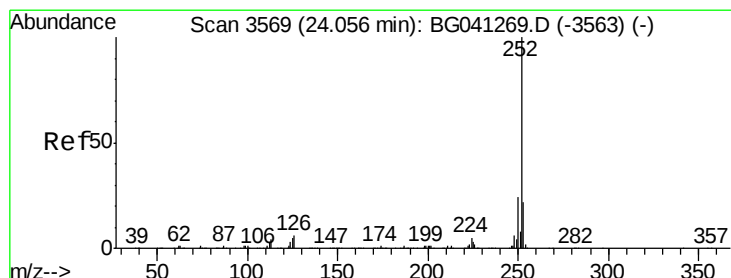
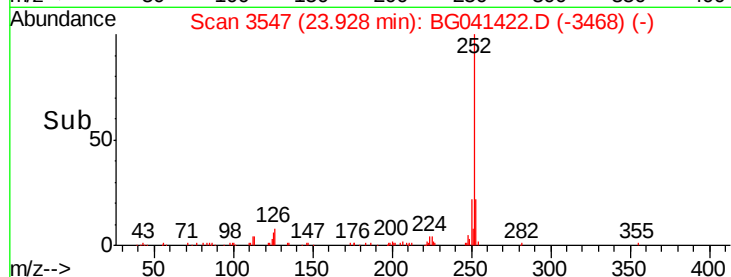
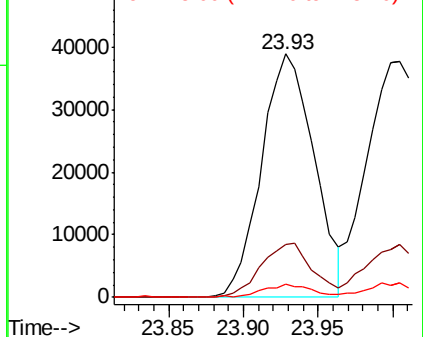


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 7.957 ng
RT: 24.00 min Scan# 3560
Delta R.T. -0.05 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

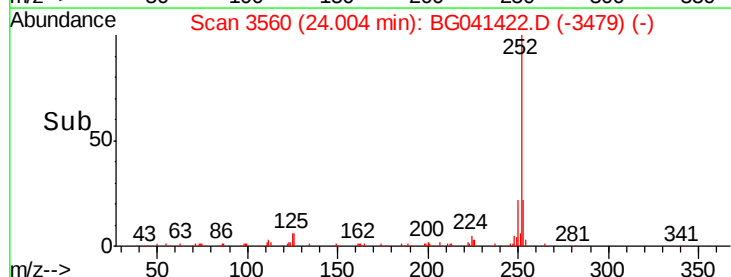
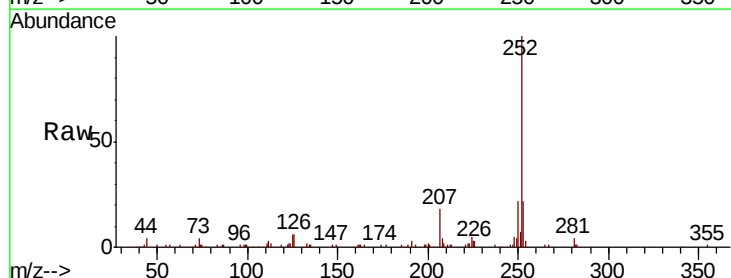
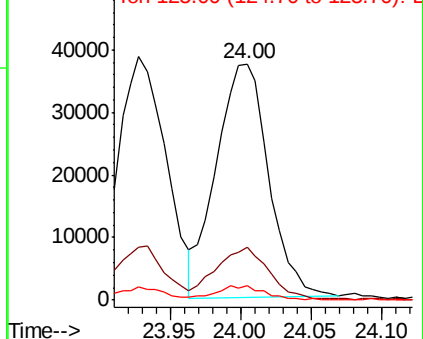
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	6.3	4.3	6.5

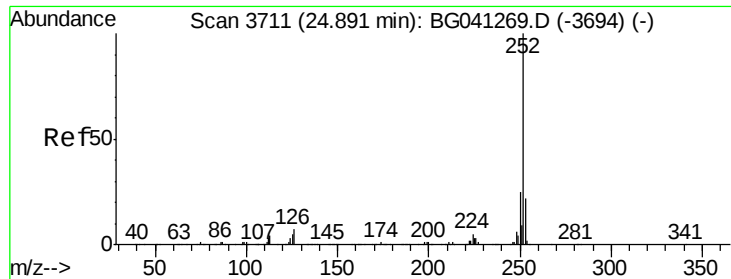
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





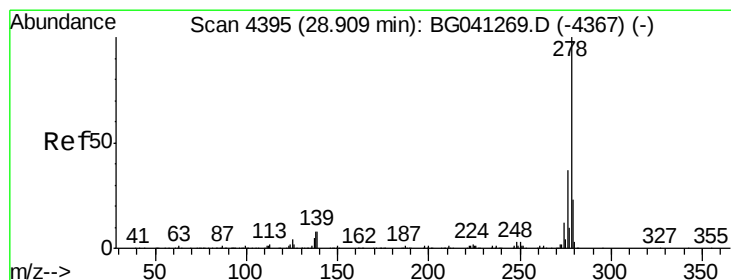
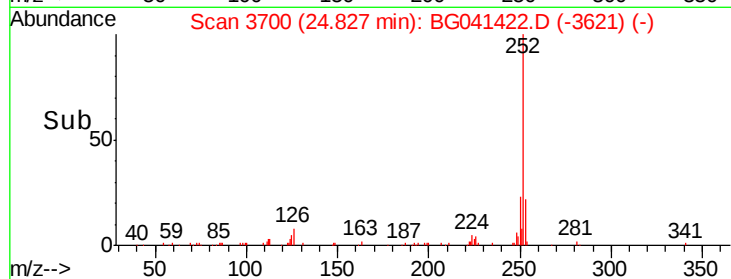
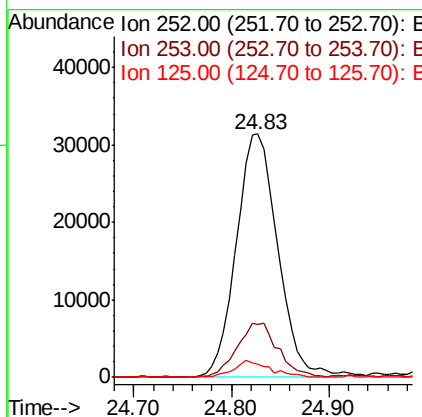
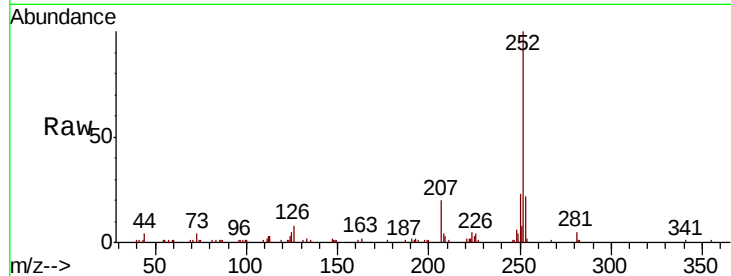
#90
Benzo(a)pyrene
Concen: 8.096 ng
RT: 24.83 min Scan# 3700
Delta R.T. -0.06 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	5.3	4.2	6.4

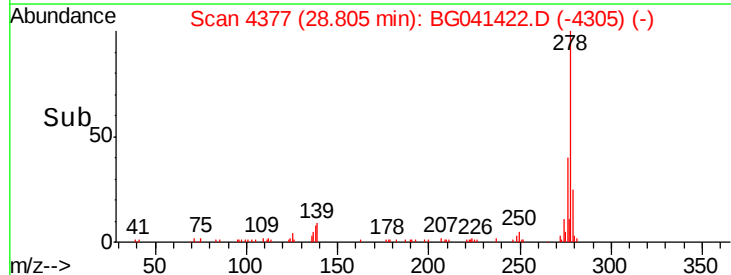
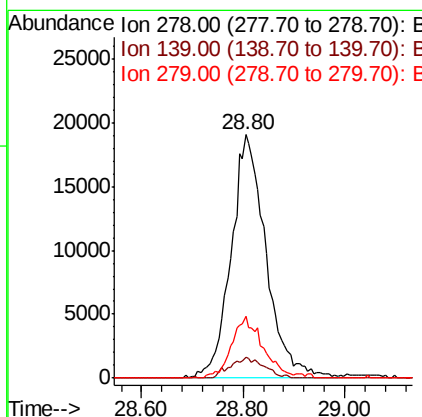
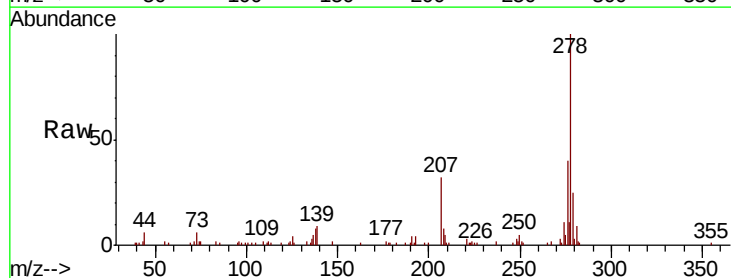
Manual Integrations
APPROVED

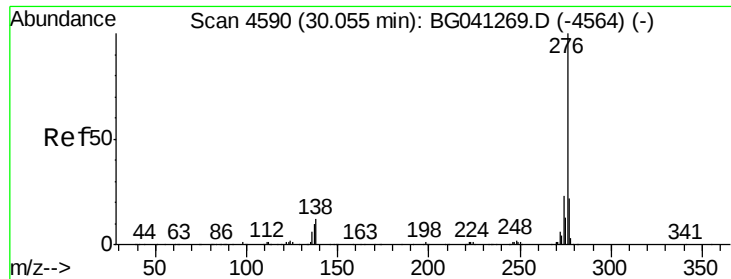
mohammad
6/28/2019 8:24:24 AM



#91
Dibenzo(a,h)anthracene
Concen: 7.857 ng
RT: 28.80 min Scan# 4377
Delta R.T. -0.10 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	8.5	6.6	10.0
279	25.2	18.5	27.7





#92
 Benzo(a,h,i)perylene
 Concen: 7.856 ng
 RT: 29.94 min Scan# 4570
 Delta R.T. -0.12 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.4	17.9	26.9
138	8.5	9.4	14.0

Manual Integrations
 APPROVED

mohammad
 6/28/2019 8:24:24 AM

