

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072919\
 Data File : BG041787.D
 Acq On : 29 Jul 2019 13:36
 Operator : HP/JU
 Sample : K3591-01
 Misc : LOD-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Manual Integrations
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 7/30/2019 4:52:24 PM

Quant Time: Jul 30 07:45:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 29 12:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	89531	20.00	ng	0.02
21) Naphthalene-d8	10.89	136	385114	20.00	ng	0.02
39) Acenaphthene-d10	14.72	164	285710	20.00	ng	0.01
64) Phenanthrene-d10	17.46	188	645774	20.00	ng	0.00
76) Chrysene-d12	21.74	240	674819	20.00	ng	0.00
87) Perylene-d12	25.02	264	754207	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	591573	128.56	ng	0.02
7) Phenol-d6	7.22	99	780301	125.78	ng	0.02
23) Nitrobenzene-d5	9.23	82	480030	85.78	ng	0.02
42) 2,4,6-Tribromophenol	16.20	330	423237	130.42	ng	0.01
45) 2-Fluorobiphenyl	13.34	172	1347997	83.21	ng	0.01
79) Terphenyl-d14	20.07	244	2150364	72.92	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.48	88	12619	5.826	ng	89
3) Pyridine	3.90	79	25019	4.212	ng	88
4) n-Nitrosodimethylamine	3.80	42	10236	4.347	ng	# 97
6) Aniline	7.38	93	42749	4.894	ng	97
8) 2-Chlorophenol	7.62	128	26778	5.082	ng	98
9) Benzaldehyde	7.19	77	26027	5.962	ng	99
10) Phenol	7.24	94	32735	5.072	ng	99
11) bis(2-Chloroethyl)ether	7.48	93	26630	5.019	ng	90
12) 1,3-Dichlorobenzene	7.96	146	32866	4.779	ng	96
13) 1,4-Dichlorobenzene	8.11	146	34582	5.025	ng	93
14) 1,2-Dichlorobenzene	8.42	146	30814	4.693	ng	96
15) Benzyl Alcohol	8.30	79	22702	4.651	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.59	45	44271	4.690	ng	94
17) 2-Methylphenol	8.51	107	22255	4.741	ng	94
18) Hexachloroethane	9.16	117	11601	4.923	ng	96
19) n-Nitroso-di-n-propylamine	8.88	70	21503	4.774	ng	# 89
20) 3+4-Methylphenols	8.83	107	30694	4.779	ng	97
22) Acetophenone	8.89	105	42776	4.966	ng	# 91
24) Nitrobenzene	9.27	77	30975	5.254	ng	92
25) Isophorone	9.80	82	60120	4.938	ng	98
26) 2-Nitrophenol	9.99	139	13158	4.809	ng	92
27) 2,4-Dimethylphenol	10.04	122	26475	5.482	ng	92
28) bis(2-Chloroethoxy)methane	10.29	93	37335	4.908	ng	98
29) 2,4-Dichlorophenol	10.53	162	27378	4.655	ng	95
30) 1,2,4-Trichlorobenzene	10.75	180	35126	4.710	ng	# 93
31) Naphthalene	10.94	128	90236	5.120	ng	95
32) Benzoic acid	10.14	122	2939m	9.425	ng	
33) 4-Chloroaniline	11.04	127	39493	4.725	ng	94
34) Hexachlorobutadiene	11.24	225	23298	4.629	ng	99
35) Caprolactam	11.78	113	9517	4.656	ng	# 81
36) 4-Chloro-3-methylphenol	12.15	107	28264	4.848	ng	97
37) 2-Methylnaphthalene	12.55	142	73061	5.237	ng	99
38) 1-Methylnaphthalene	12.76	142	69859	5.284	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.91	216	45601	5.042	ng	97

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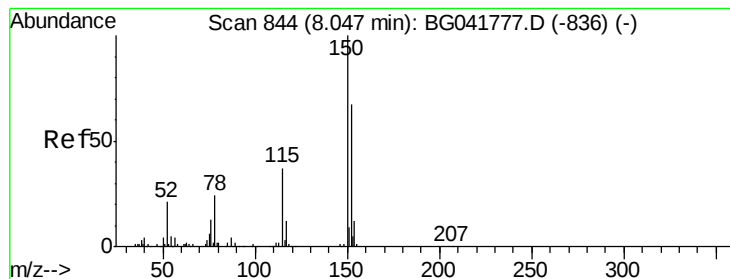
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	22606	4.446	nq	96
43) 2,4,6-Trichlorophenol	13.15	196	24958	4.366	nq	98
44) 2,4,5-Trichlorophenol	13.22	196	27493	4.628	nq	# 94
46) 1,1'-Biphenyl	13.55	154	95323	5.190	nq	96
47) 2-Chloronaphthalene	13.59	162	78380	5.013	nq	94
48) 2-Nitroaniline	13.78	65	15983	4.030	nq	95
49) Acenaphthylene	14.43	152	125908	5.383	nq	96
50) Dimethylphthalate	14.16	163	102695	5.263	nq	97
51) 2,6-Dinitrotoluene	14.27	165	20473	5.018	nq	# 87
52) Acenaphthene	14.78	154	75537	4.965	nq	97
53) 3-Nitroaniline	14.60	138	19610	4.493	nq	# 89
54) 2,4-Dinitrophenol	14.81	184	4227	5.627	nq	# 89
55) Dibenzofuran	15.11	168	130452	5.606	nq	# 88
56) 4-Nitrophenol	14.90	139	12845	3.877	nq	# 82
57) 2,4-Dinitrotoluene	15.06	165	24388	4.346	nq	96
58) Fluorene	15.76	166	102590	5.494	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.33	232	26781	4.552	nq	# 96
60) Diethylphthalate	15.53	149	102320	5.341	nq	98
61) 4-Chlorophenyl-phenylether	15.76	204	59063	5.181	nq	96
62) 4-Nitroaniline	15.76	138	22156	4.686	nq	89
63) Azobenzene	16.04	77	82515	5.273	nq	95
65) 4,6-Dinitro-2-methylphenol	15.83	198	11411	9.947	nq	92
66) n-Nitrosodiphenylamine	15.96	169	93538	5.318	nq	97
67) 4-Bromophenyl-phenylether	16.65	248	38074	4.786	nq	97
68) Hexachlorobenzene	16.77	284	39448	4.740	nq	92
69) Atrazine	16.91	200	33119	4.792	nq	97
70) Pentachlorophenol	17.11	266	17074	3.612	nq	91
71) Phenanthrene	17.51	178	174940	5.652	nq	# 91
72) Anthracene	17.59	178	176057	5.703	nq	# 89
73) Carbazole	17.86	167	152069	5.488	nq	# 93
74) Di-n-butylphthalate	18.43	149	166960	5.315	nq	# 91
75) Fluoranthene	19.52	202	217133	5.771	nq	87
77) Benzidine	19.69	184	96878	4.398	nq	97
78) Pyrene	19.87	202	228472	5.714	nq	# 89
80) Butylbenzylphthalate	20.76	149	69345	4.524	nq	89
81) Benzo(a)anthracene	21.72	228	216295m	5.417	nq	
82) 3,3'-Dichlorobenzidine	21.64	252	78271	4.883	nq	# 97
83) Chrysene	21.79	228	210021	5.488	nq	90
84) Bis(2-ethylhexyl)phthalate	21.64	149	104155	4.926	nq	95
85) Di-n-octyl phthalate	22.88	149	167668	4.712	nq	# 89
86) Indeno(1,2,3-cd)pyrene	28.76	276	234882	4.636	nq	# 89
88) Benzo(b)fluoranthene	23.98	252	208301	5.049	nq	# 94
89) Benzo(k)fluoranthene	24.05	252	220556	5.488	nq	# 92
90) Benzo(a)pyrene	24.87	252	206912	5.229	nq	# 94
91) Dibenzo(a,h)anthracene	28.84	278	193413	4.978	nq	96
92) Benzo(g,h,i)perylene	29.93	276	192226	4.952	nq	# 90

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.07 min Scan# 848

Delta R.T. 0.02 min

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Instrument :

BNA_G

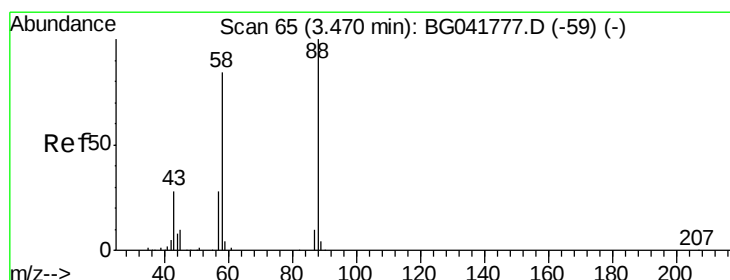
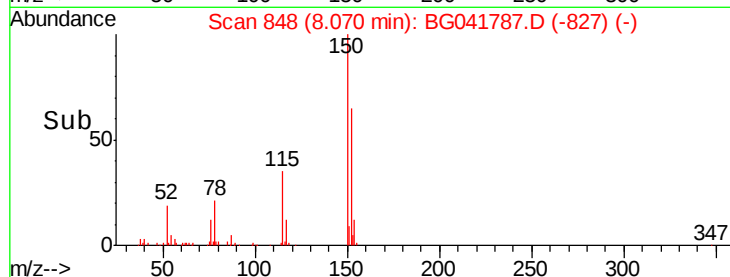
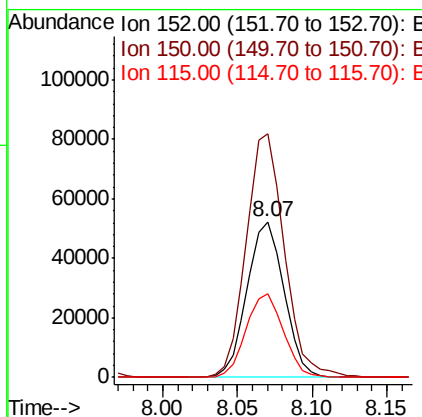
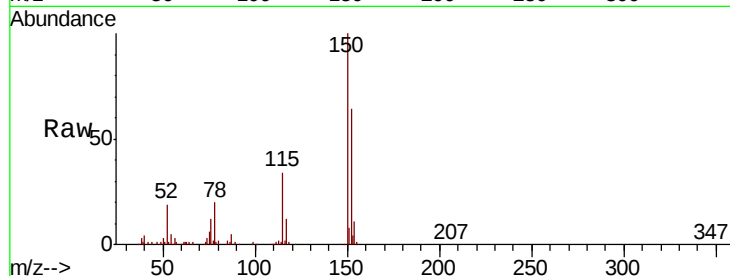
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	152	Resp:	89531
Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.9	190.3
115	53.5	45.0	67.6

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#2

1,4-Dioxane

Concen: 5.826 ng

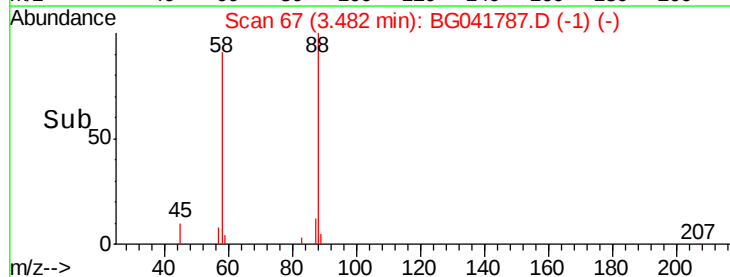
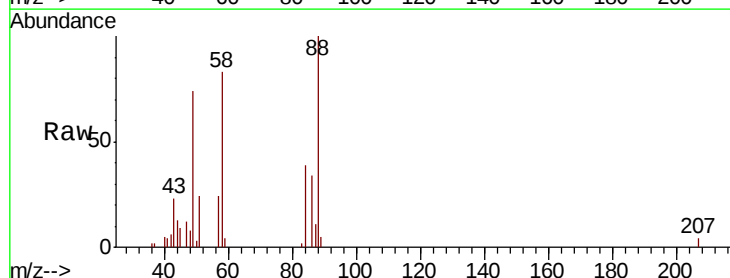
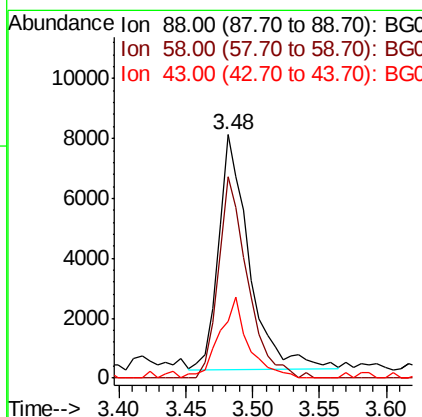
RT: 3.48 min Scan# 67

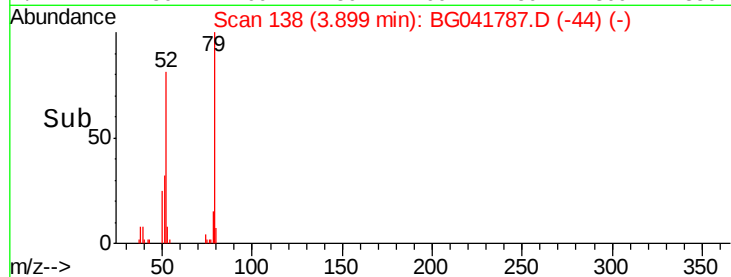
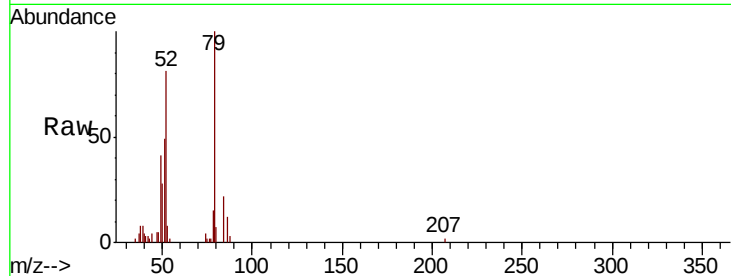
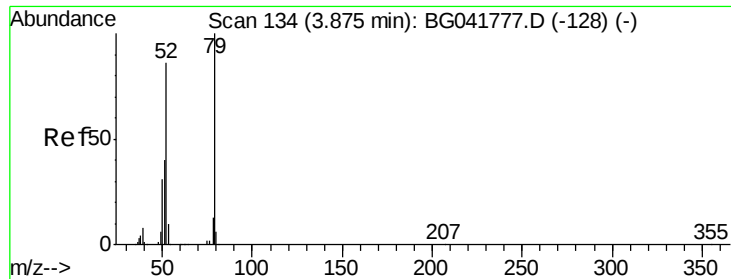
Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tgt Ion:	88	Resp:	12619
Ion	Ratio	Lower	Upper
88	100		
58	81.9	76.2	114.2
43	32.9	27.2	40.8





#3

Pvridine

Concen: 4.212 ng

RT: 3.90 min Scan# 138

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tot Ion:	79	Resp:	25019
Ion Ratio	Lower	Upper	
79	100		
52	80.8	77.1	115.7
51	49.1	37.8	56.8

Instrument :

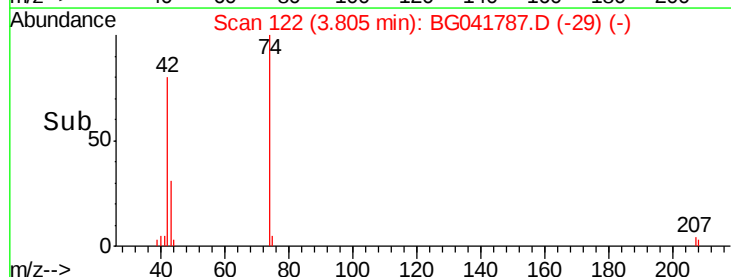
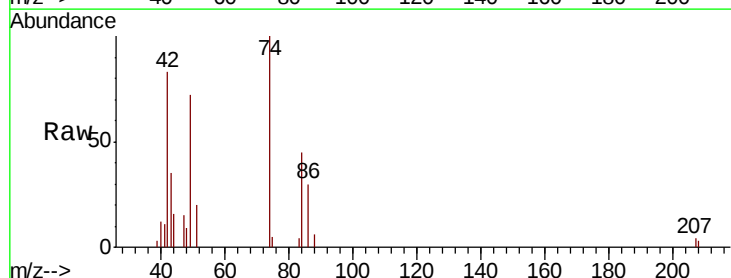
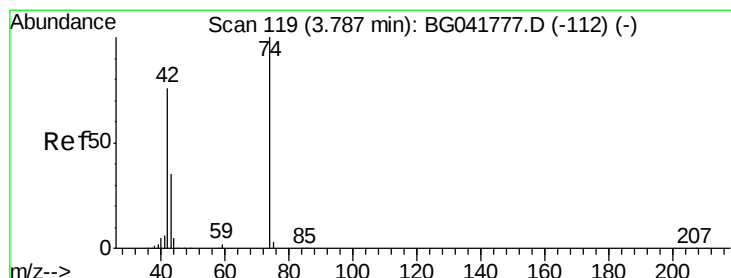
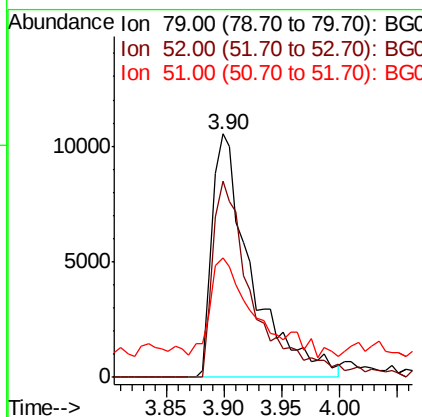
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

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#4

n-Nitrosodimethylamine

Concen: 4.347 ng

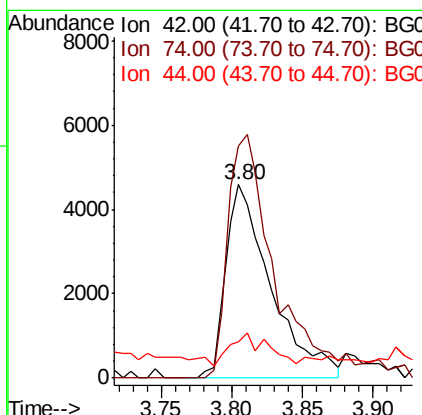
RT: 3.80 min Scan# 122

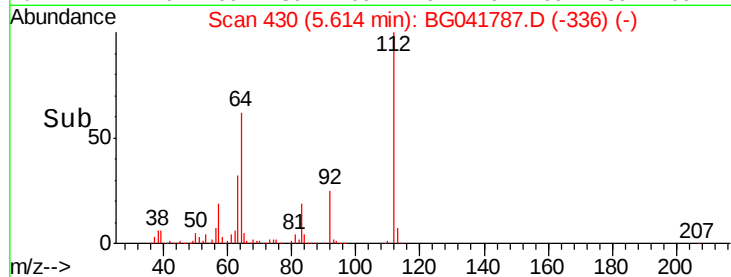
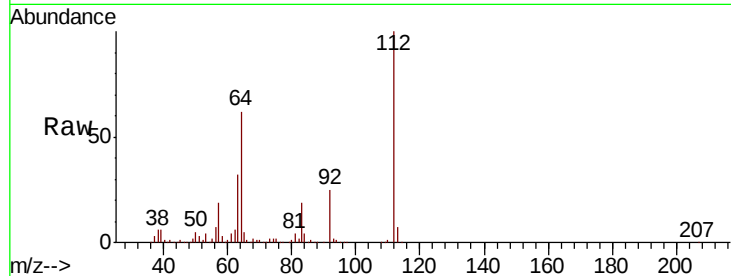
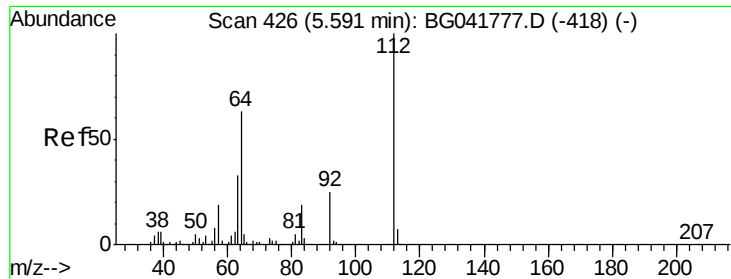
Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tgt Ion:	42	Resp:	10236
Ion Ratio	Lower	Upper	
42	100		
74	120.1	97.4	146.2
44	19.0	6.6	9.8#





#5

2-Fluorophenol

Concen: 128.556 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

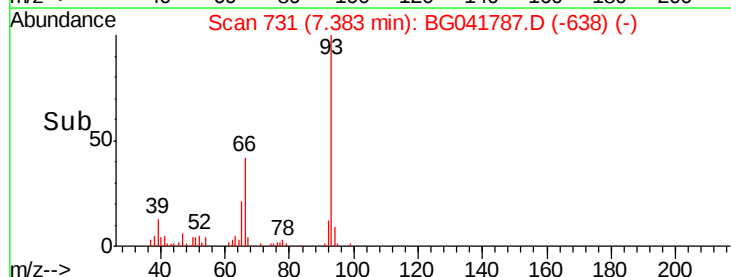
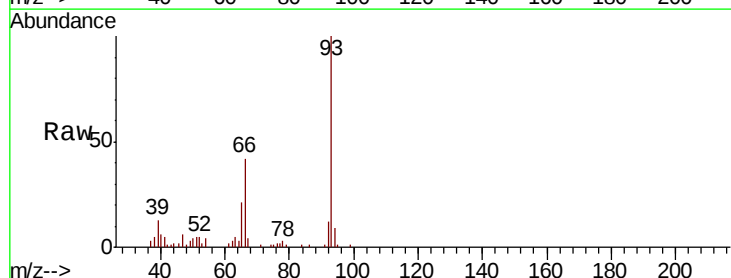
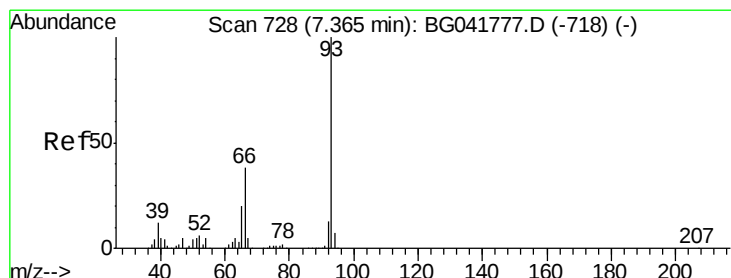
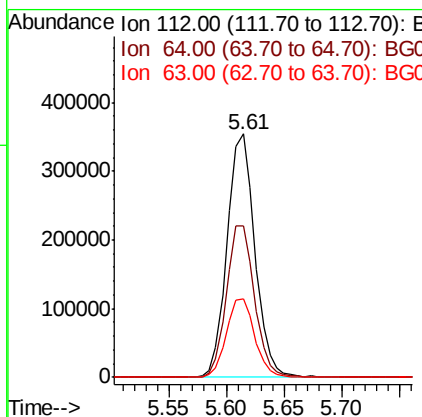
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
112	100	591573		
64	62.2	55.4	83.2	
63	32.5	29.1	43.7	

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#6

Aniline

Concen: 4.894 ng

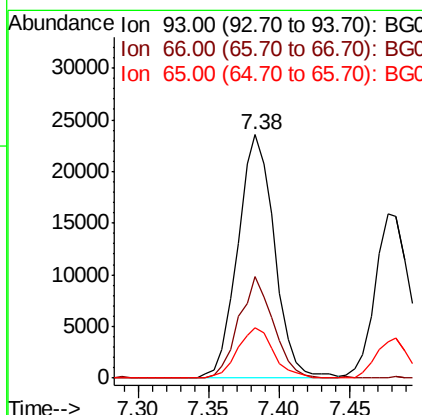
RT: 7.38 min Scan# 731

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	42749		
66	41.5	34.2	51.2	
65	20.7	18.2	27.2	





#7

Phenol-d6

Concen: 125.778 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

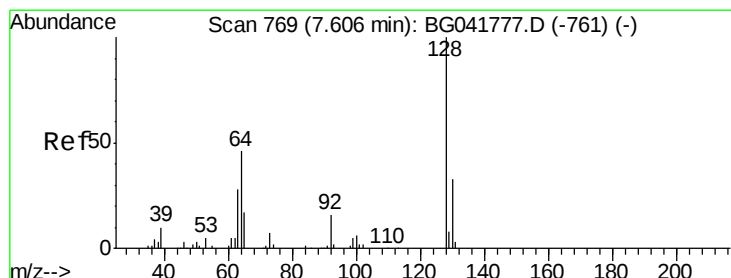
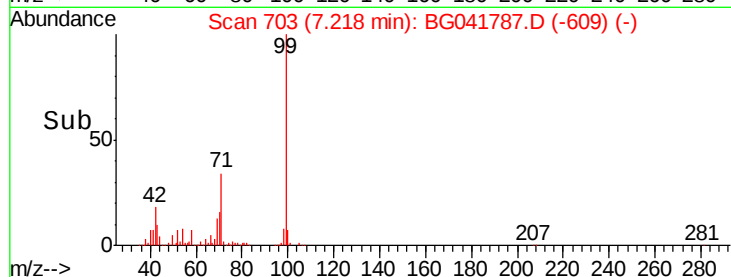
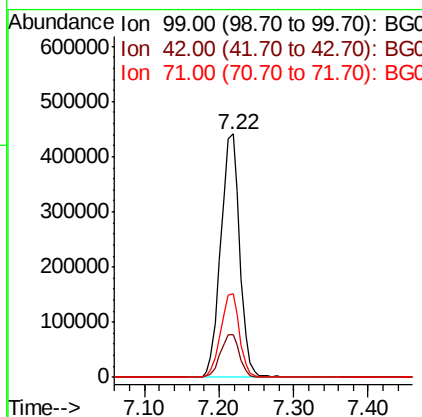
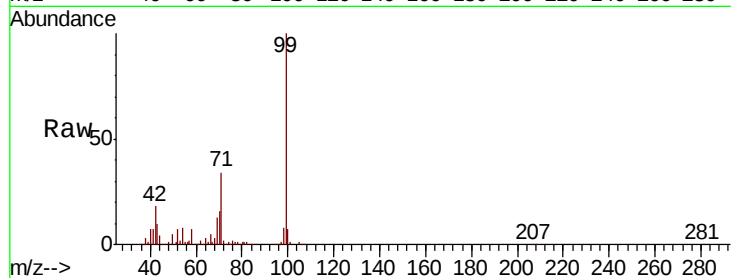
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	99	Resp:	780301
Ion Ratio	Lower	Upper	
99	100		
42	17.5	17.6	26.4#
71	34.3	27.8	41.6

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#8

2-Chlorophenol

Concen: 5.082 ng

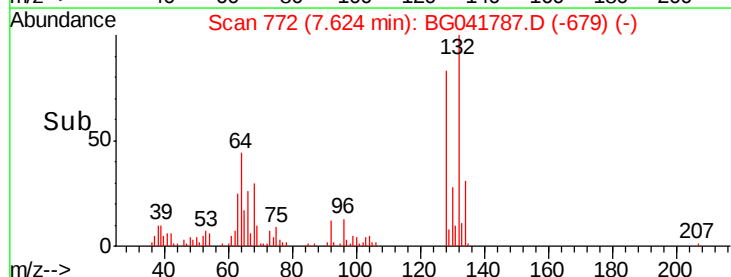
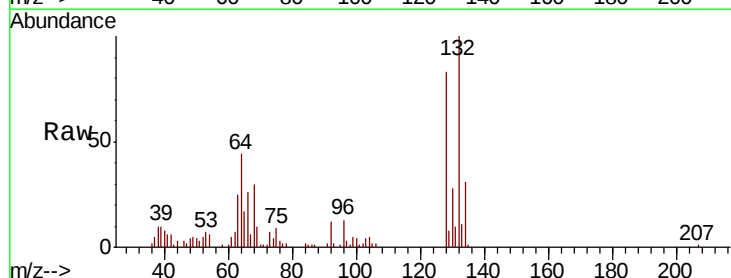
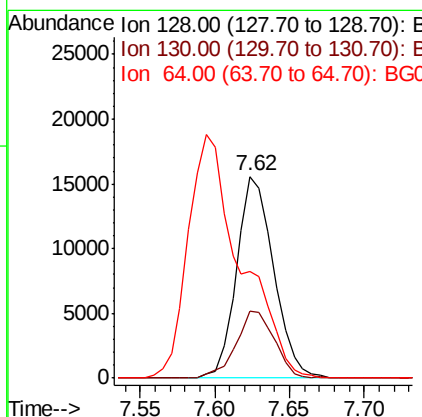
RT: 7.62 min Scan# 772

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tgt Ion:	128	Resp:	26778
Ion Ratio	Lower	Upper	
128	100		
130	33.3	12.4	52.4
64	52.8	34.9	74.9





#9

Benzaldehyde

Concen: 5.962 ng

RT: 7.19 min Scan# 699

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

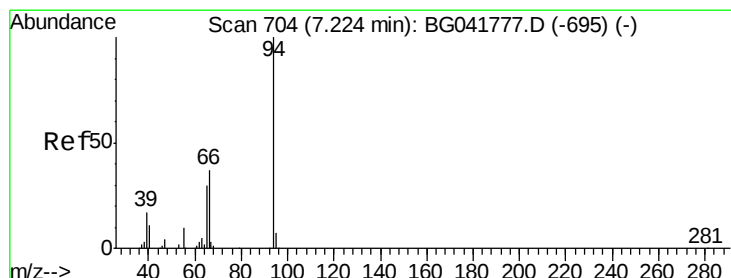
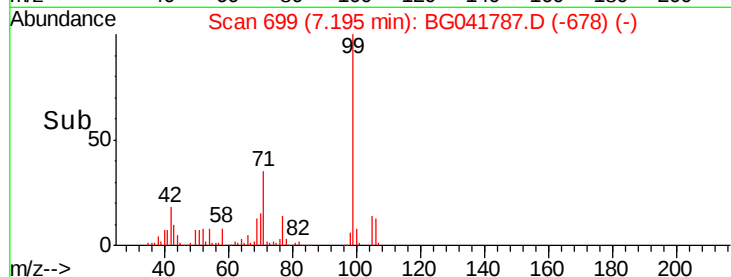
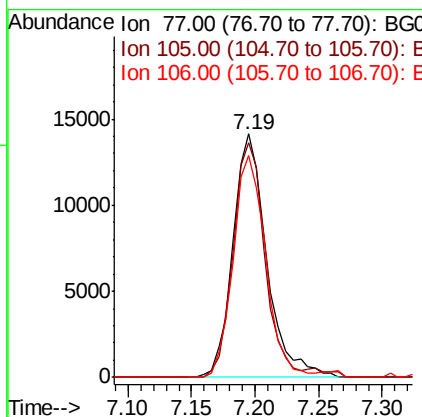
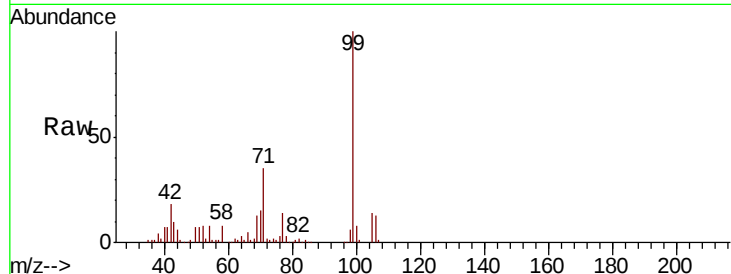
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	77	Resp:	26027
Ion Ratio	Lower	Upper	
77	100		
105	96.4	74.6	114.6
106	91.0	71.1	111.1

Manual Integrations
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#10

Phenol

Concen: 5.072 ng

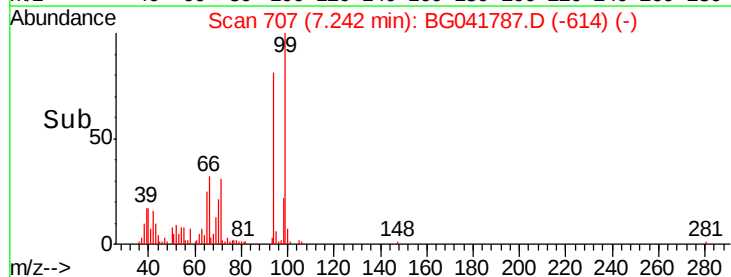
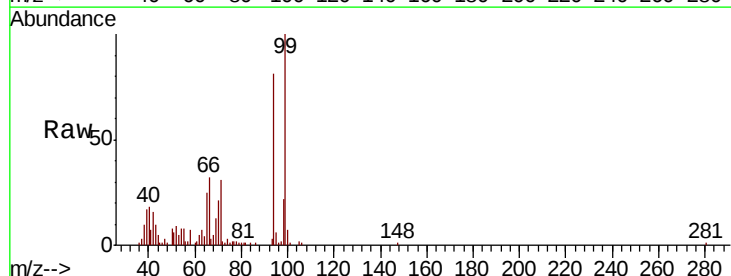
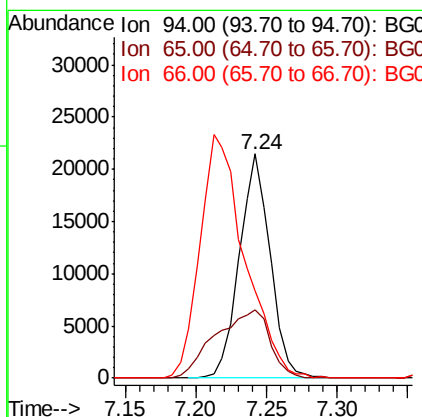
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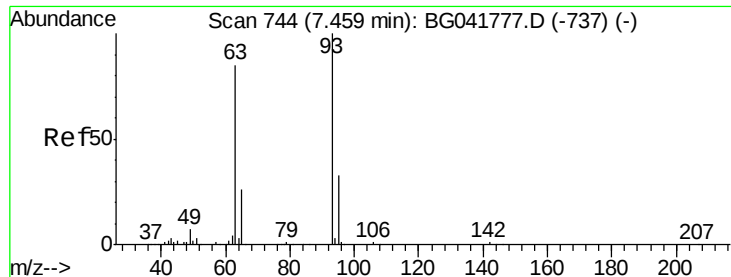
Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tgt Ion:	94	Resp:	32735
Ion Ratio	Lower	Upper	
94	100		
65	30.5	10.6	50.6
66	39.1	18.2	58.2





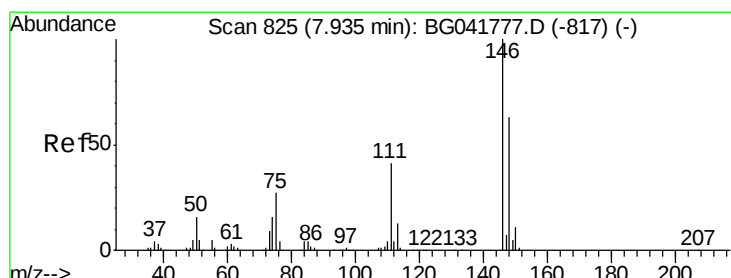
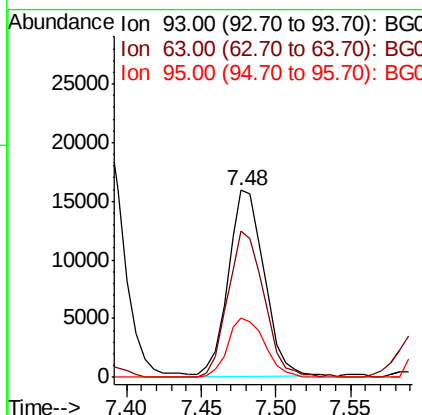
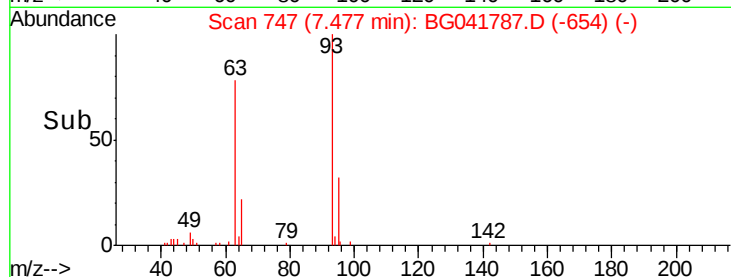
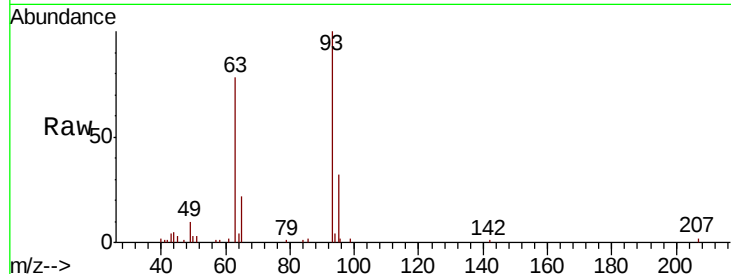
#11
bis(2-Chloroethyl)ether
Concen: 5.019 ng
RT: 7.48 min Scan# 747
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	78.4	70.4	110.4
95	33.8	12.8	52.8

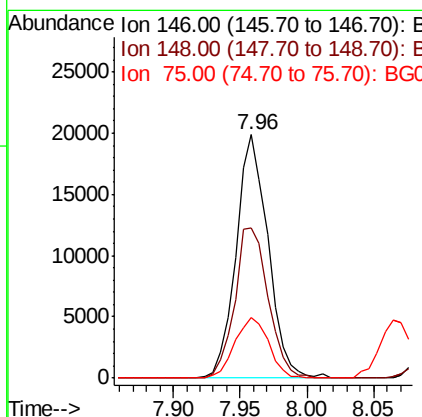
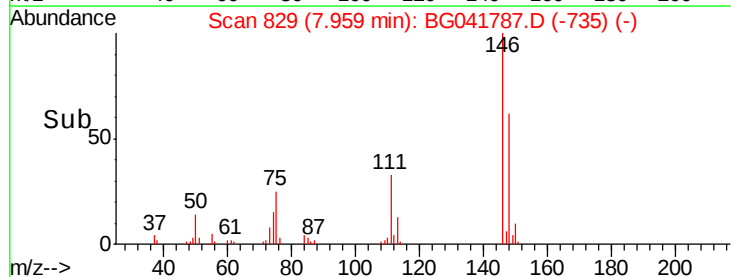
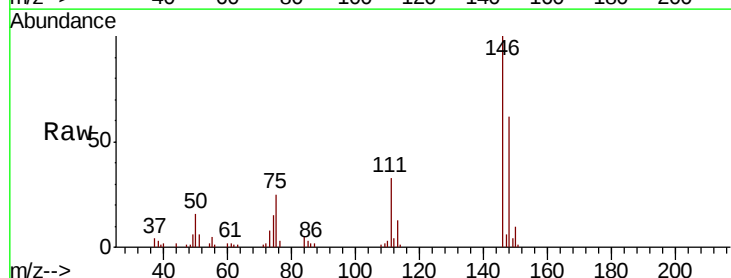
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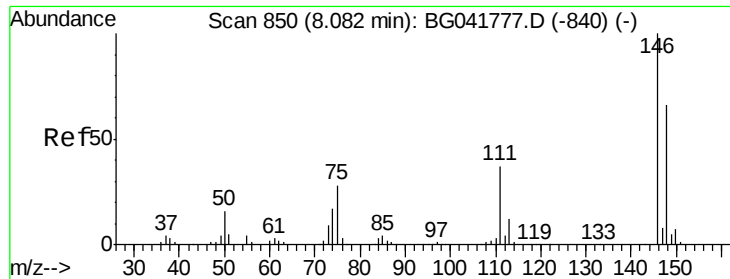
mohammad
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#12
1,3-Dichlorobenzene
Concen: 4.779 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.9	51.5	77.3
75	25.1	23.2	34.8





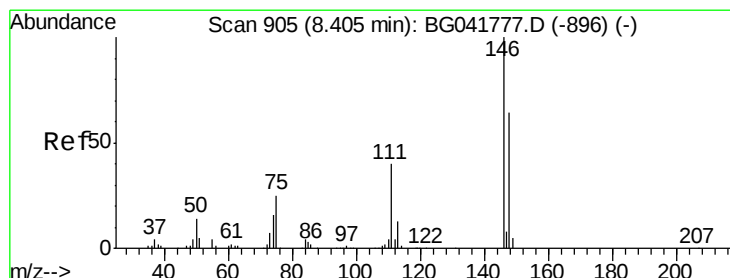
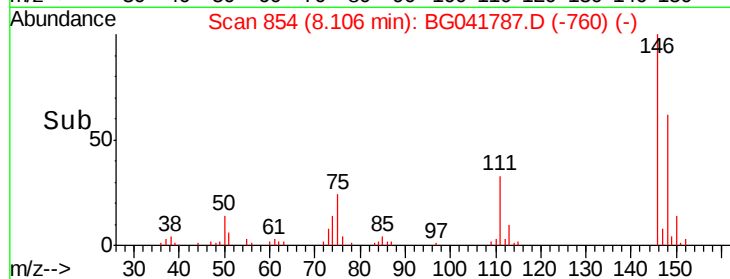
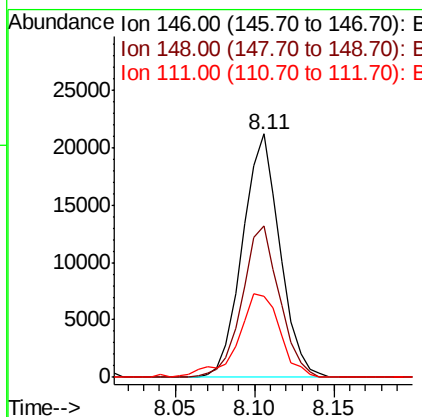
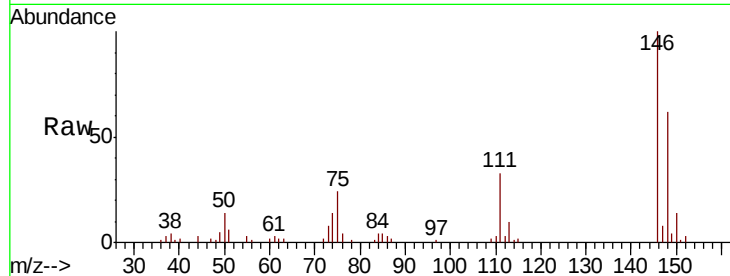
#13
1,4-Dichlorobenzene
Concen: 5.025 ng
RT: 8.11 min Scan# 854
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.2	52.6	79.0
111	33.2	32.5	48.7

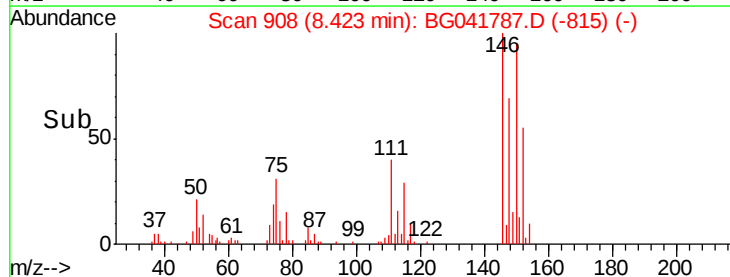
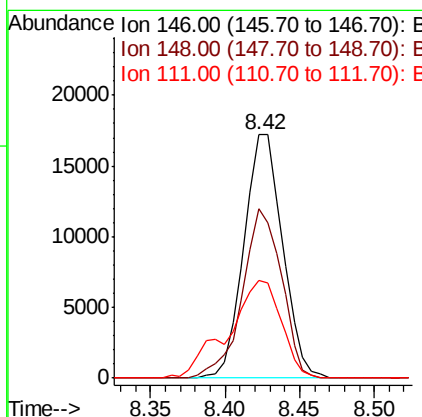
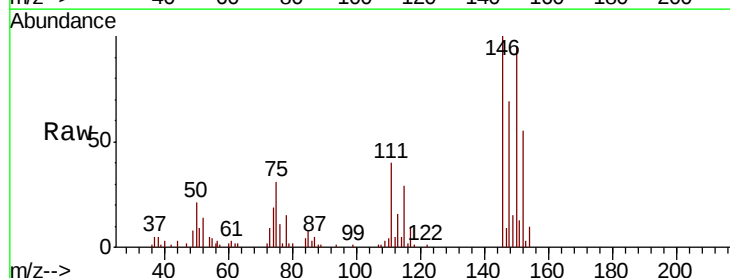
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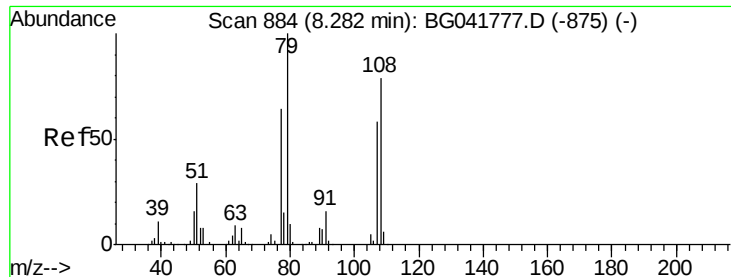
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#14
1,2-Dichlorobenzene
Concen: 4.693 ng
RT: 8.42 min Scan# 908
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
148	69.3	53.5	80.3
111	40.2	35.4	53.0





#15

Benzyl Alcohol

Concen: 4.651 ng

RT: 8.30 min Scan# 887

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

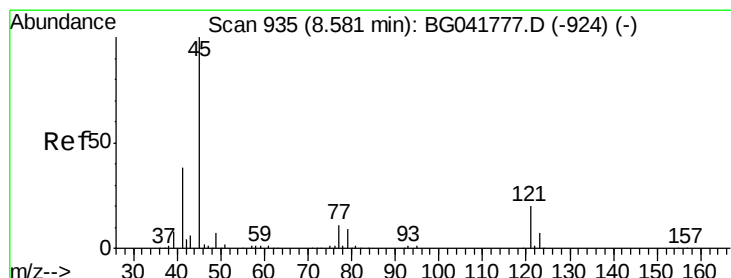
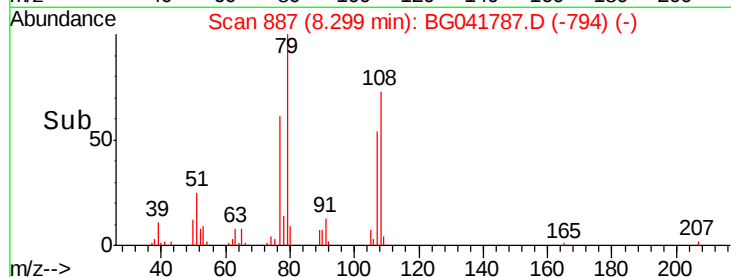
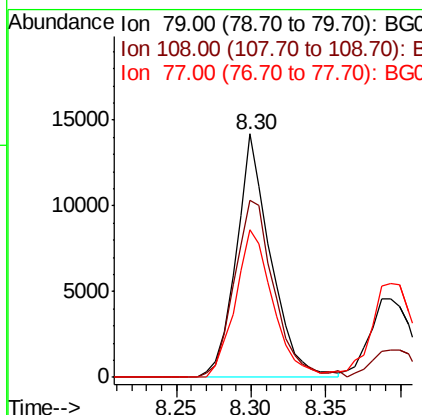
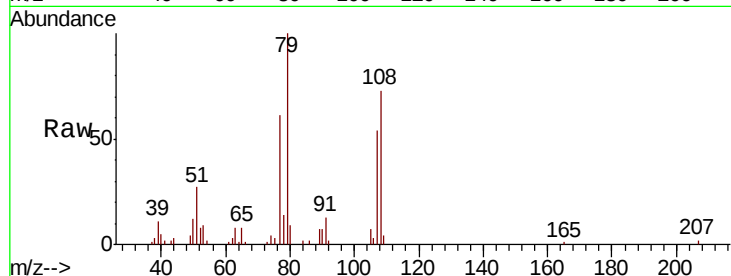
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	79	Resp:	22702
Ion Ratio	Lower	Upper	
79	100		
108	72.6	60.5	90.7
77	60.8	50.6	75.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 4.690 ng

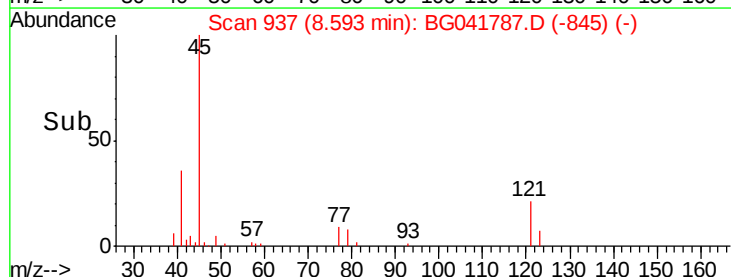
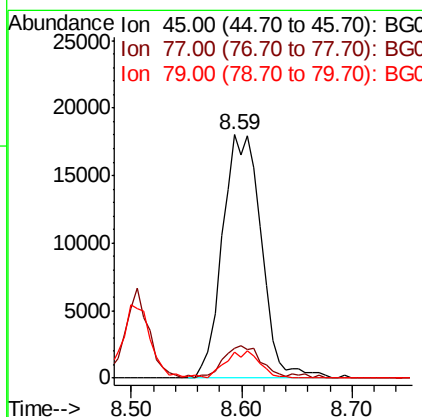
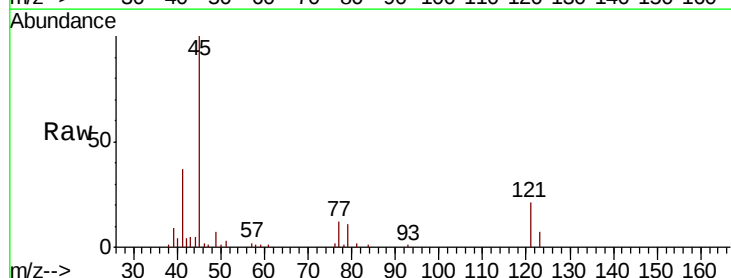
RT: 8.59 min Scan# 937

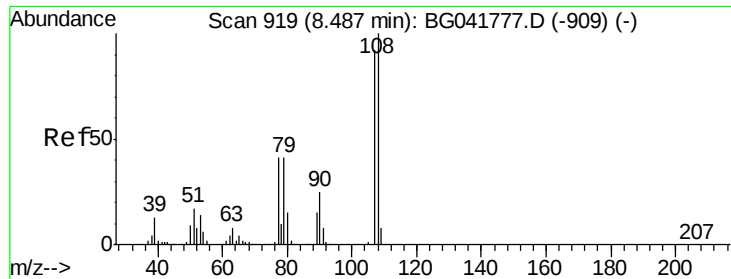
Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tgt Ion:	45	Resp:	44271
Ion Ratio	Lower	Upper	
45	100		
77	12.3	0.0	30.4
79	10.5	0.0	27.9





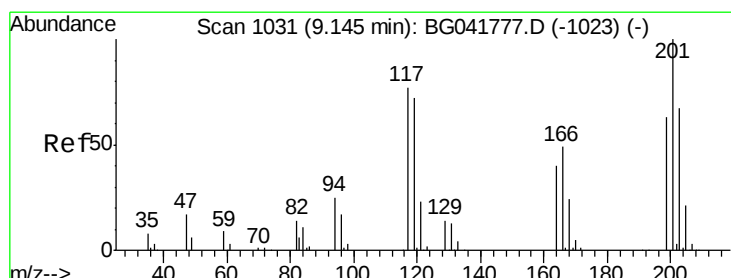
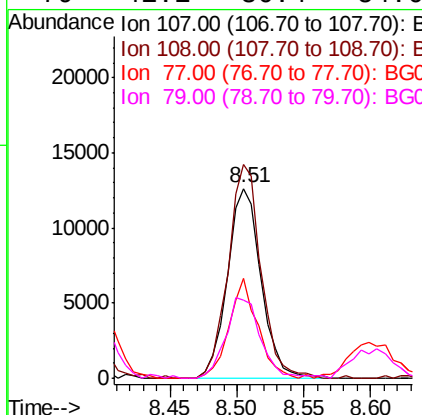
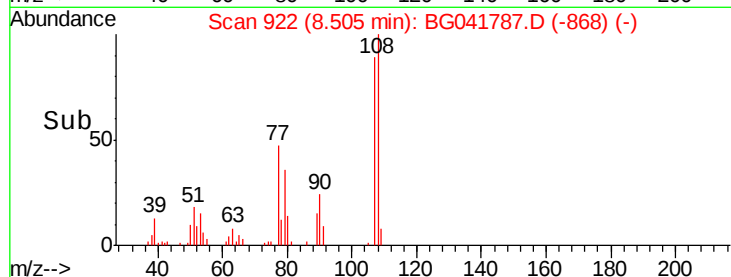
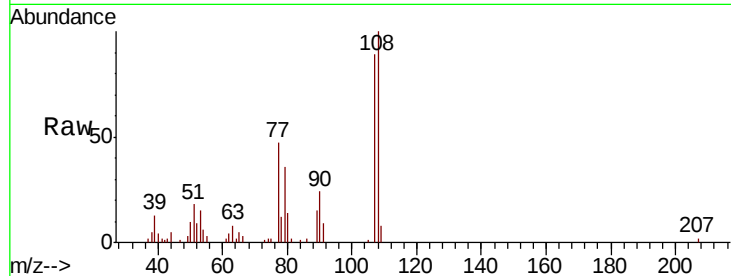
#17
2-Methylphenol
Concen: 4.741 ng
RT: 8.51 min Scan# 922
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.7	87.6	131.4	
77	52.7	36.1	54.1	
79	41.1	36.4	54.6	

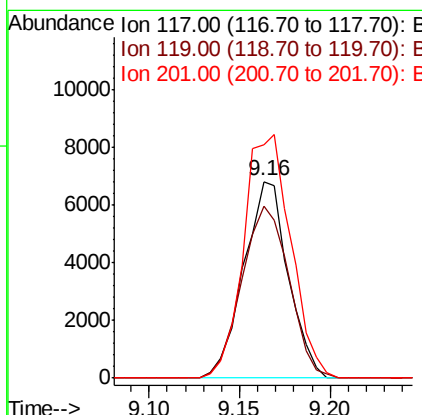
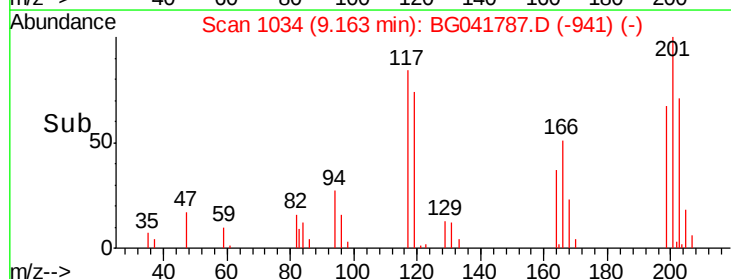
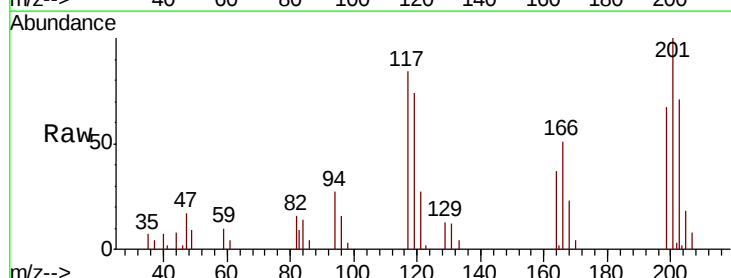
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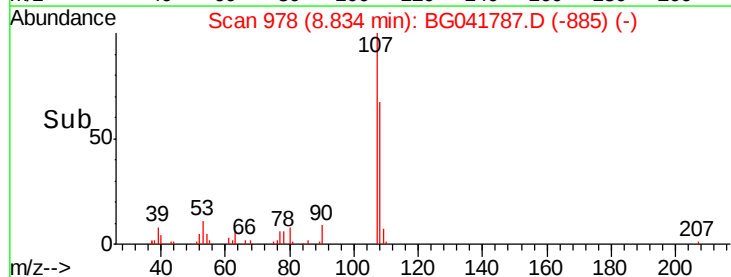
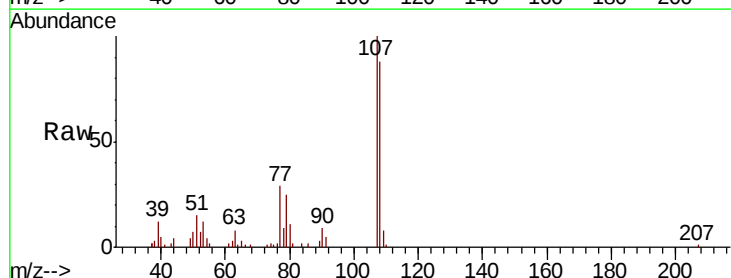
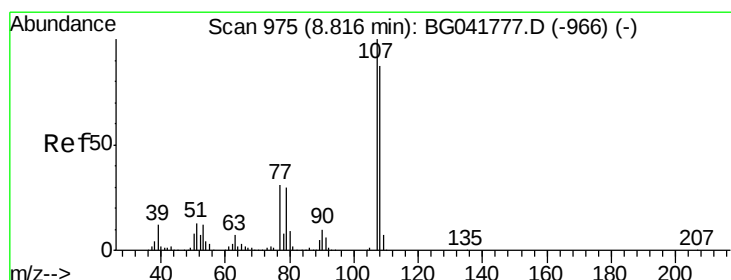
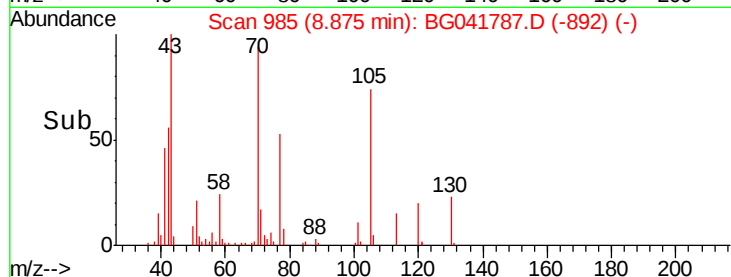
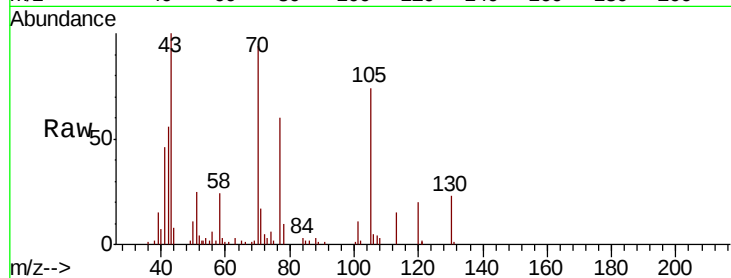
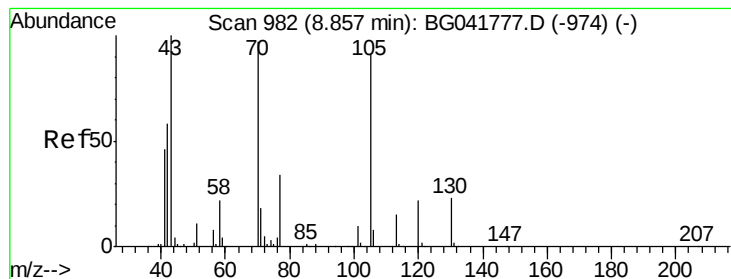
mohammad
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#18
Hexachloroethane
Concen: 4.923 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	87.5	76.2	114.2	
201	118.9	94.1	141.1	





#19

n-Nitroso-di-n-propylamine

Concen: 4.774 ng

RT: 8.88 min Scan# 985

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

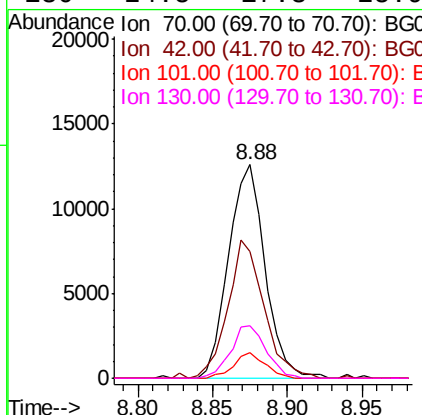
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
70	100		
42	59.2	55.8	83.6
101	12.1	8.1	12.1#
130	24.5	17.3	25.9

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#20

3+4-Methylphenols

Concen: 4.779 ng

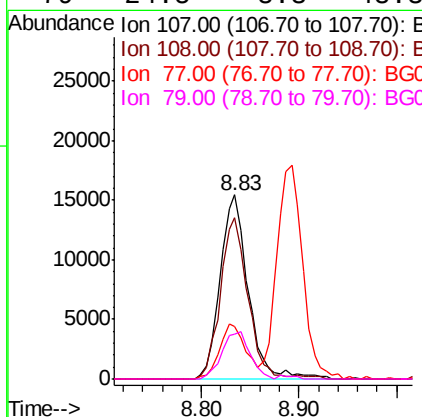
RT: 8.83 min Scan# 978

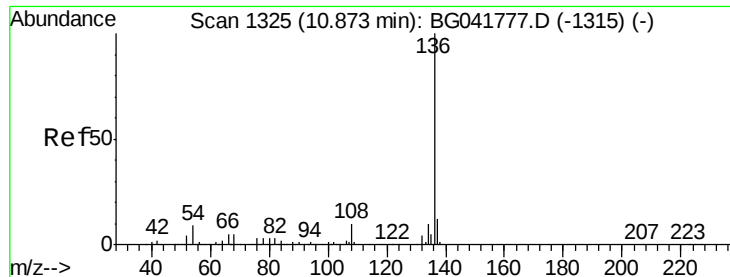
Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.8	67.5	107.5
77	28.5	12.3	52.3
79	24.5	8.3	48.3





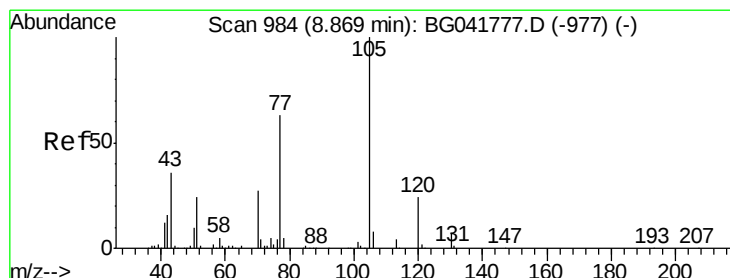
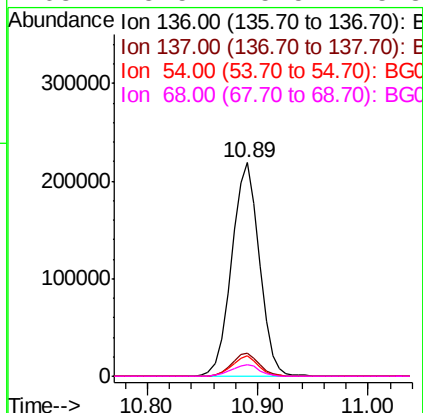
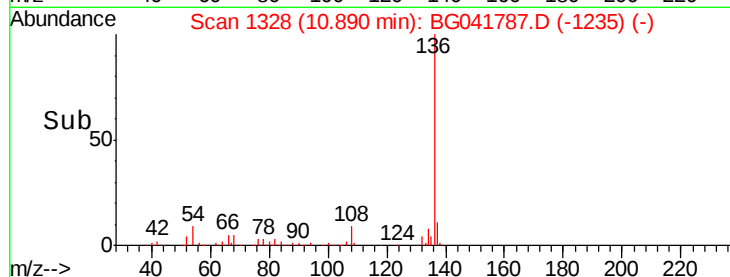
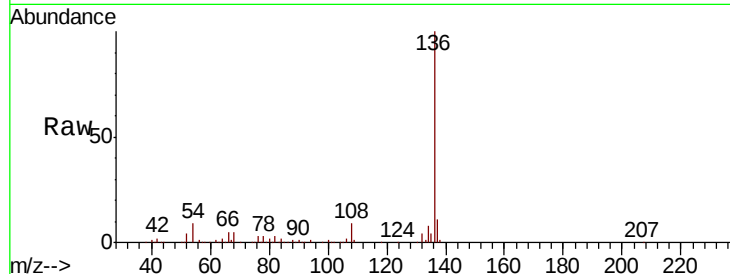
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1328
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	9.2	13.8	
54	9.3	8.7	13.1	
68	5.5	5.5	8.3#	

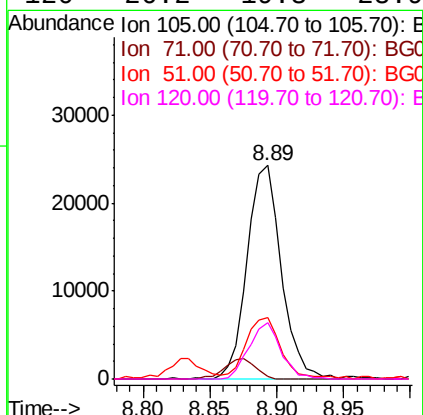
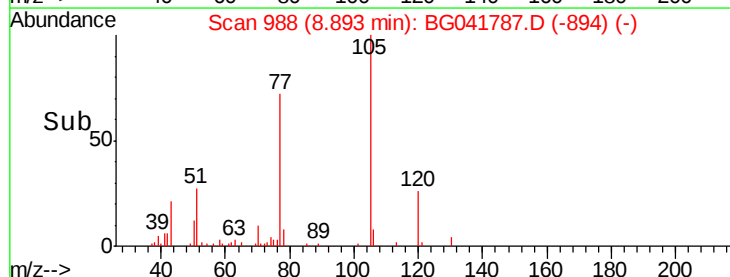
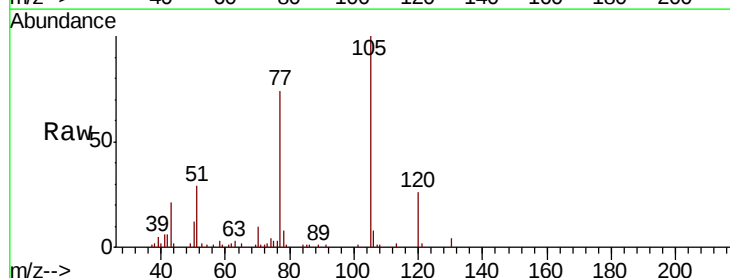
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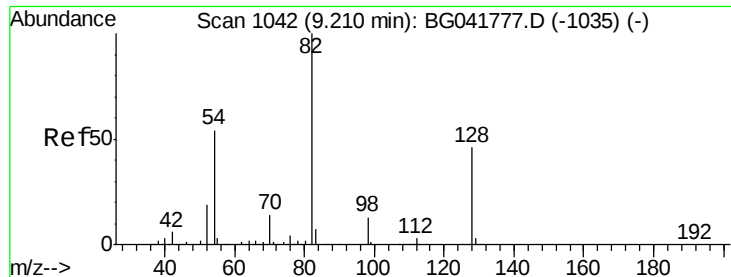
mohammad
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#22
Acetophenone
Concen: 4.966 ng
RT: 8.89 min Scan# 988
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	1.3	5.9	8.9#	
51	28.5	27.7	41.5	
120	26.2	19.3	28.9	





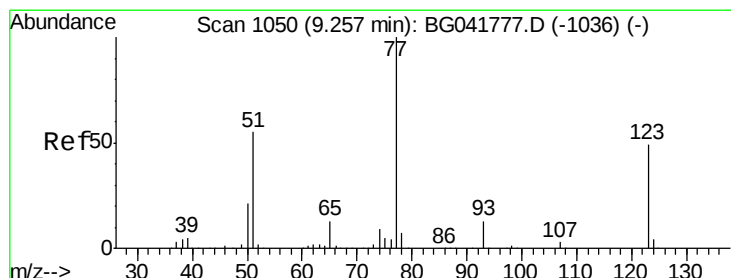
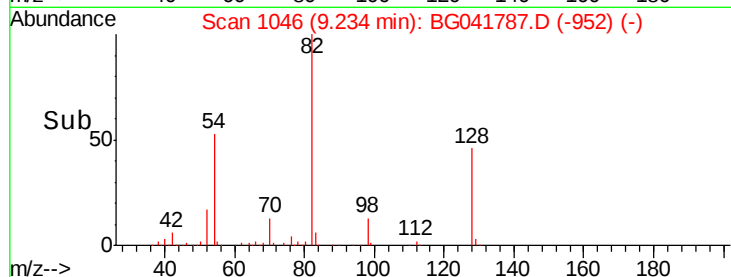
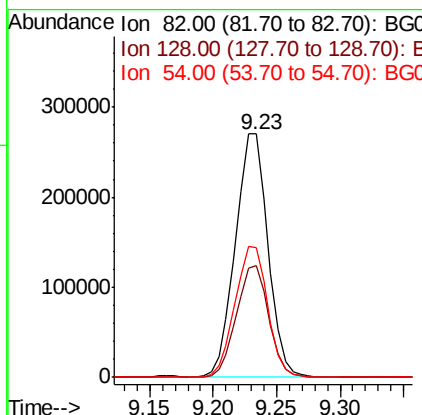
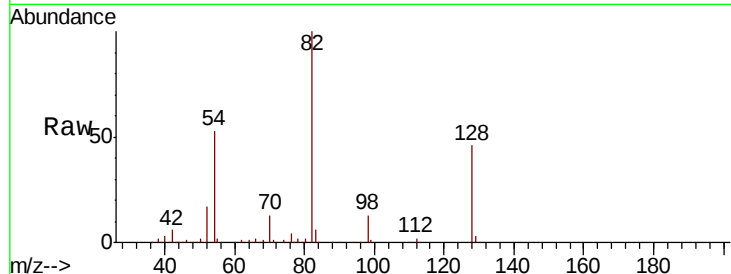
#23
Nitrobenzene-d5
Concen: 85.777 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.1	52.7
54	53.2	48.7	73.1

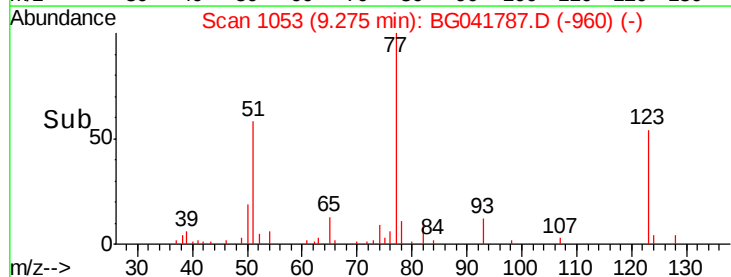
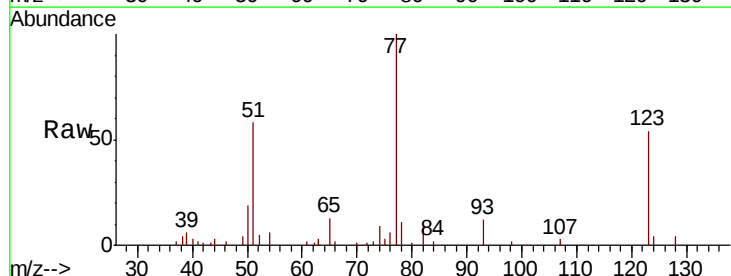
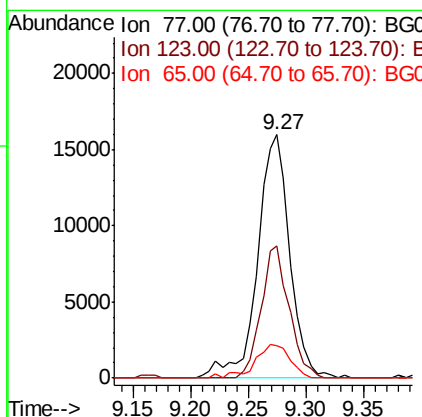
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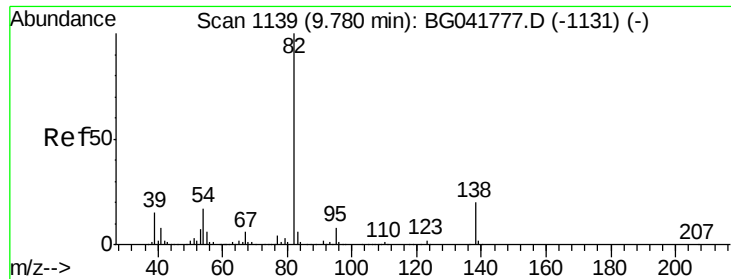
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#24
Nitrobenzene
Concen: 5.254 ng
RT: 9.27 min Scan# 1053
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
77	100		
123	54.4	38.1	57.1
65	13.2	11.0	16.6





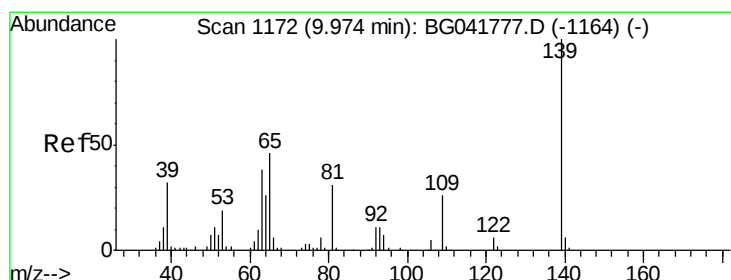
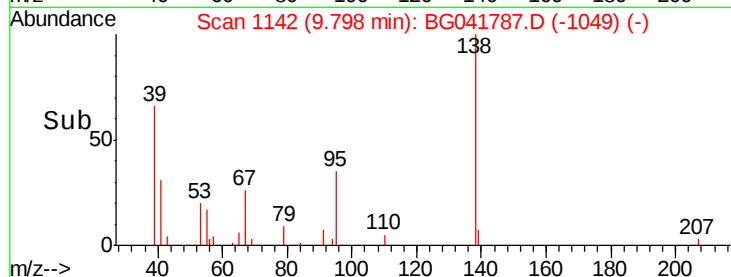
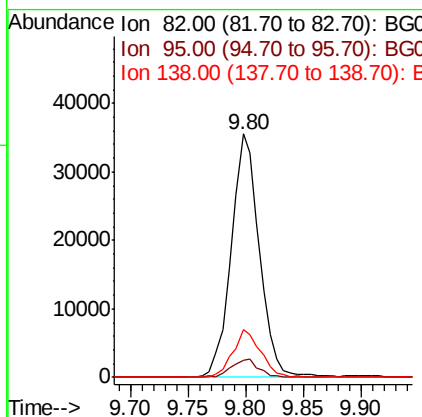
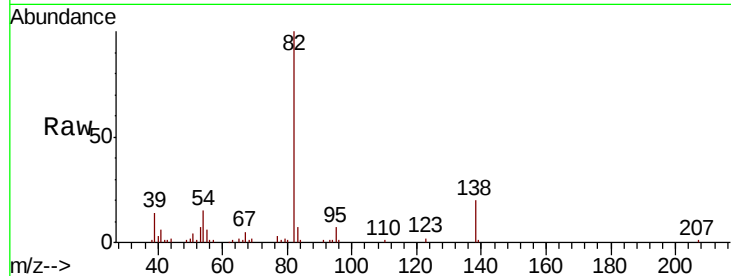
#25
Isophorone
Concen: 4.938 ng
RT: 9.80 min Scan# 1142
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
82	100	60120		
95	6.8		5.9	8.9
138	19.6		16.3	24.5

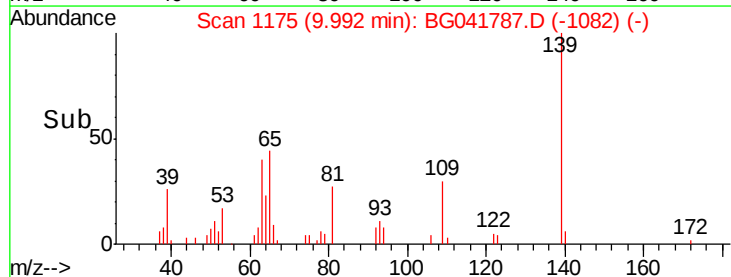
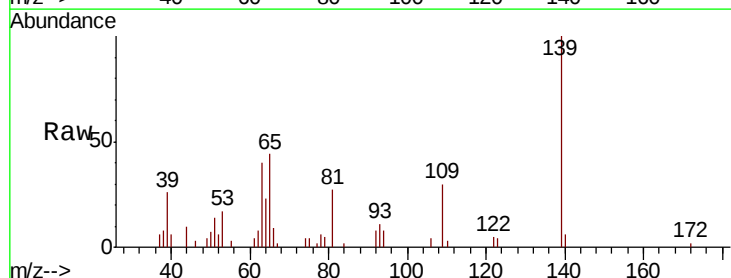
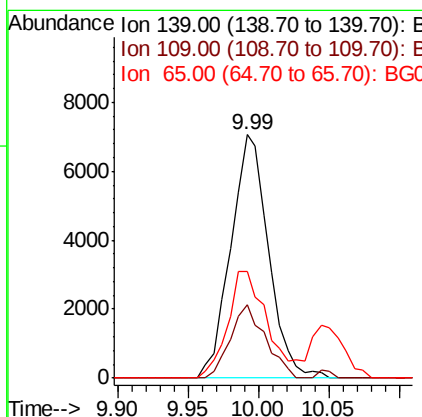
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#26
2-Nitrophenol
Concen: 4.809 ng
RT: 9.99 min Scan# 1175
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	13158		
109	30.3		22.7	34.1
65	43.9		41.1	61.7





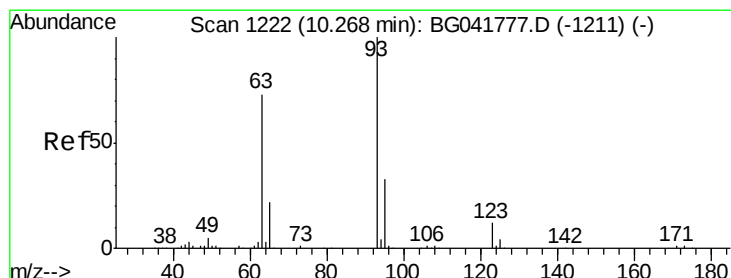
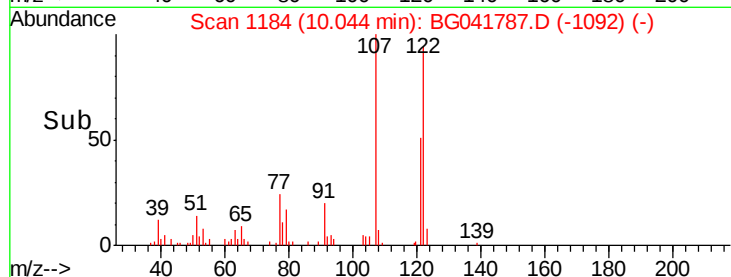
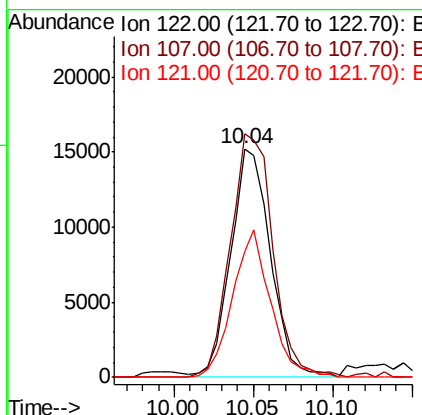
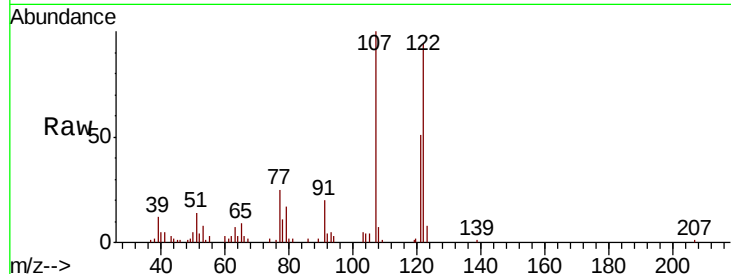
#27
2,4-Dimethylphenol
Concen: 5.482 ng
RT: 10.04 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
122	100		
107	106.5	91.3	136.9
121	54.9	49.2	73.8

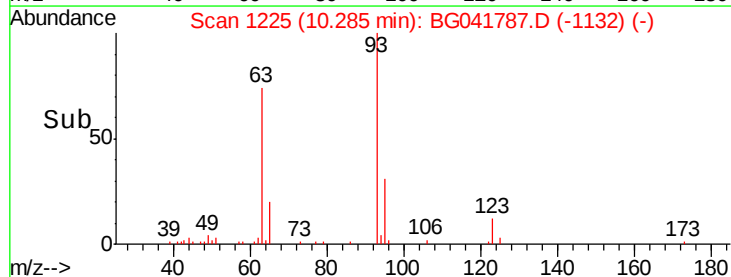
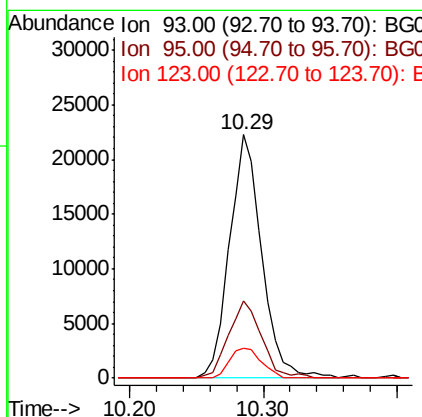
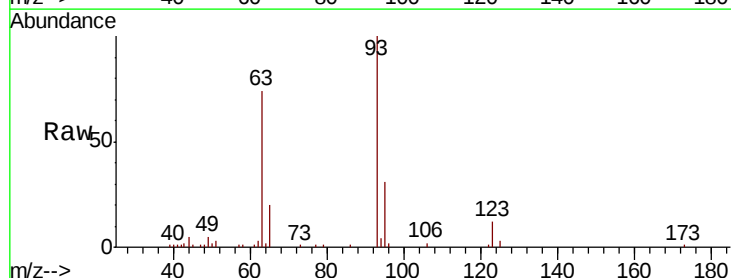
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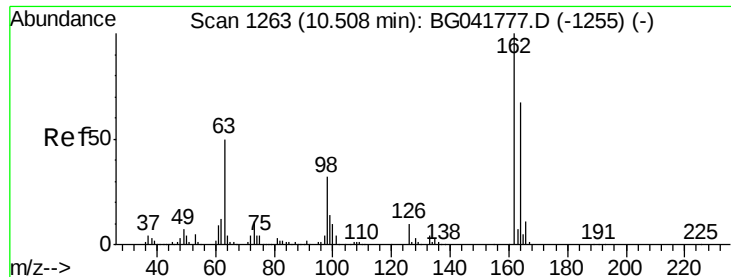
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 4.908 ng
RT: 10.29 min Scan# 1225
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.5	26.2	39.4
123	12.1	9.9	14.9





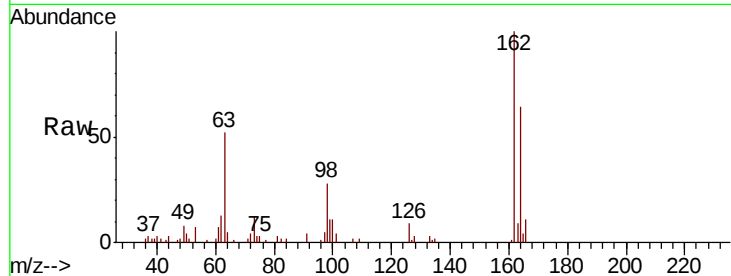
#29
2,4-Dichlorophenol
Concen: 4.655 ng
RT: 10.53 min Scan# 1267
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.4	46.1	86.1
98	28.1	14.7	54.7

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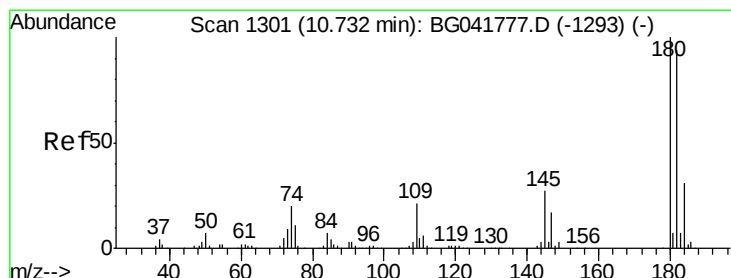
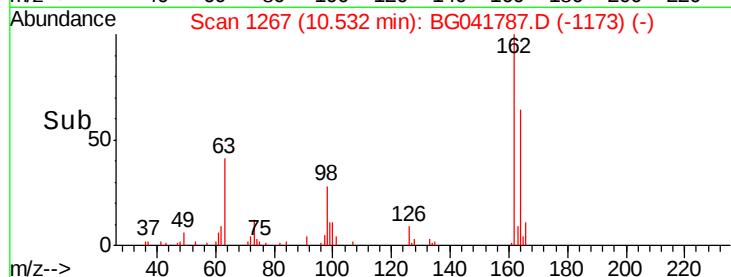
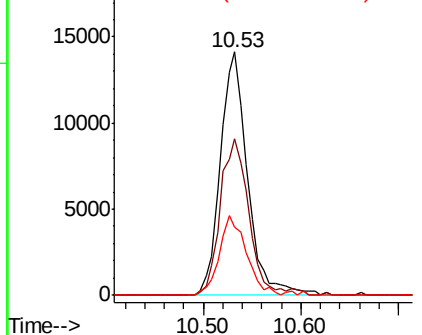


Abundance

Ion 162.00 (161.70 to 162.70): E

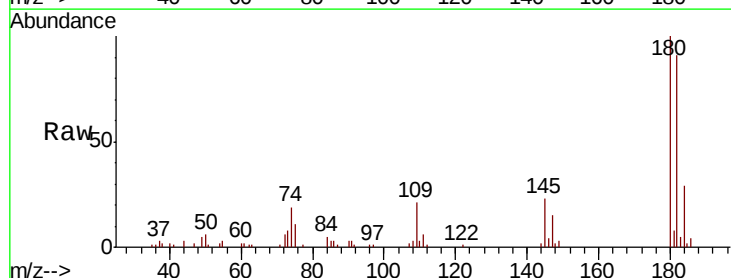
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30
1,2,4-Trichlorobenzene
Concen: 4.710 ng
RT: 10.75 min Scan# 1304
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.6	76.2	114.2
145	23.1	23.8	35.8#

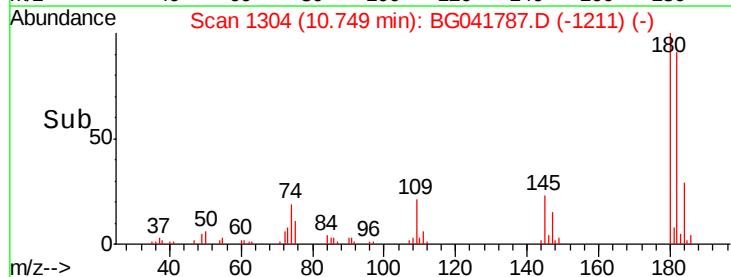
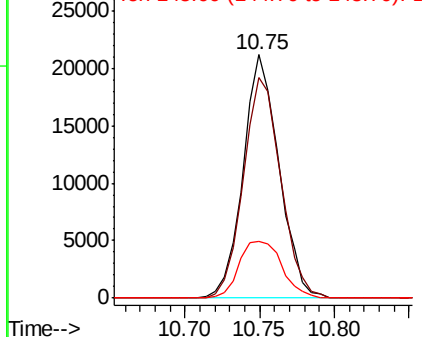


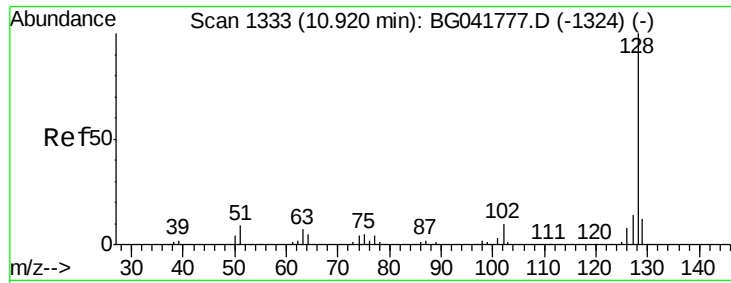
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





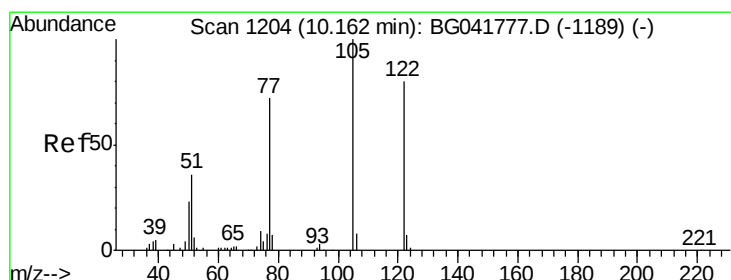
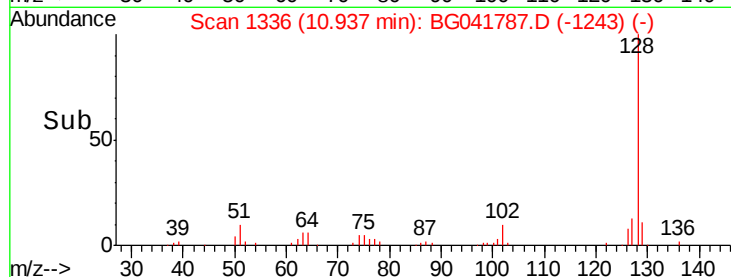
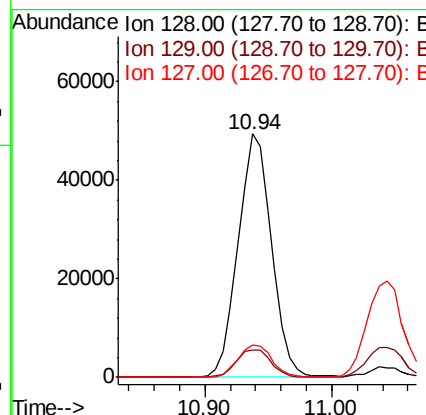
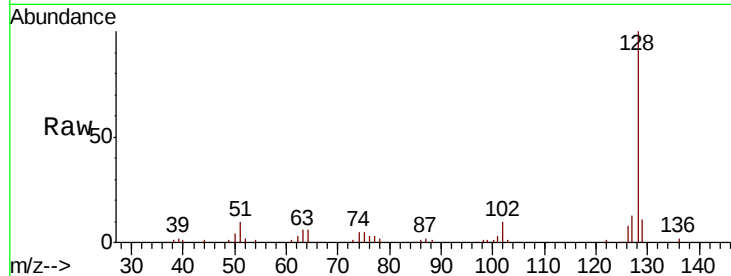
#31
Naphthalene
Concen: 5.120 ng
RT: 10.94 min Scan# 1336
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	10.0	15.0
127	13.2	12.3	18.5

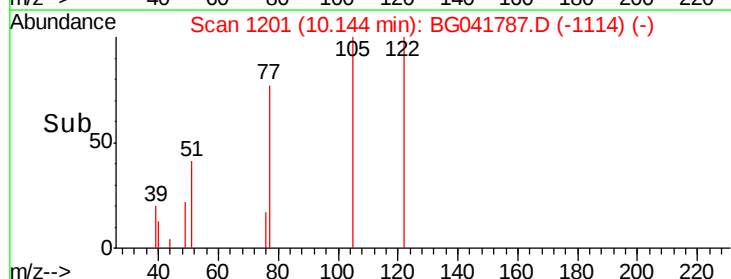
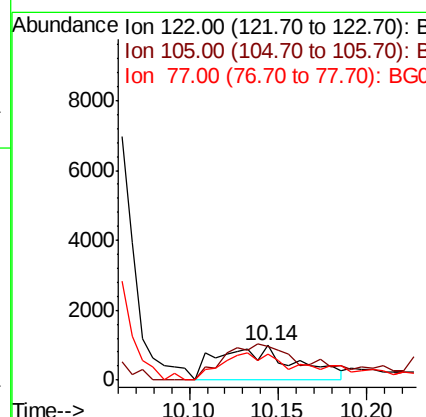
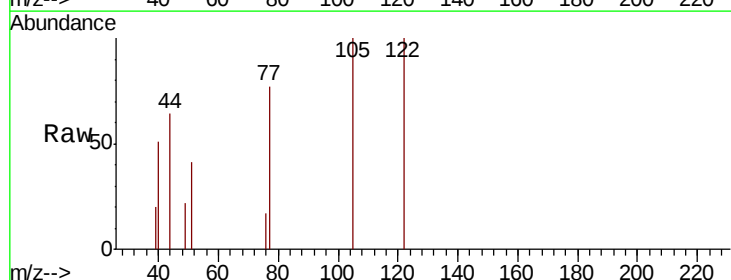
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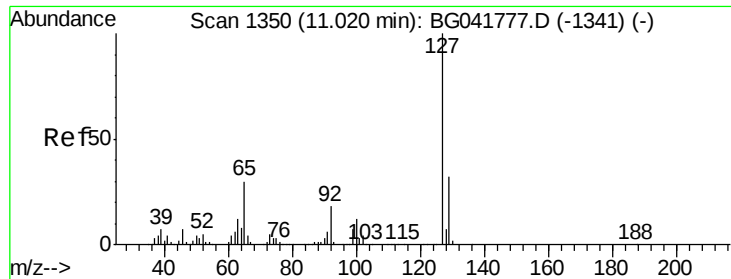
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#32
Benzoic acid
Concen: 9.425 ng m
RT: 10.14 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
122	100		
105	99.7	101.5	141.5#
77	77.3	73.0	113.0





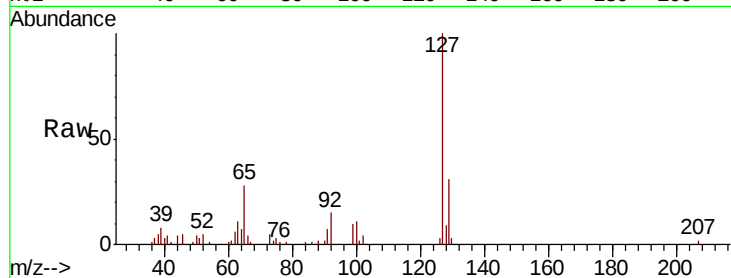
#33
4-Chloroaniline
Concen: 4.725 ng
RT: 11.04 min Scan# 1354
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

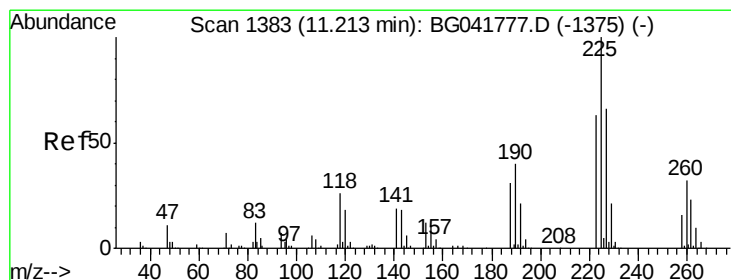
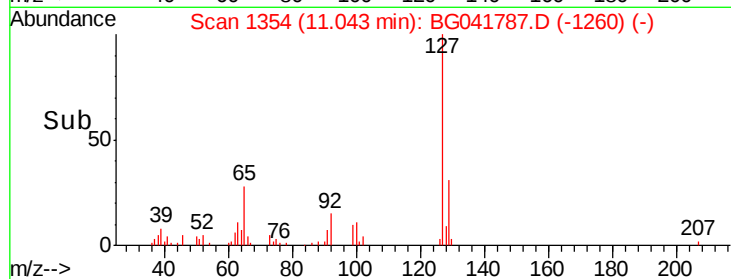
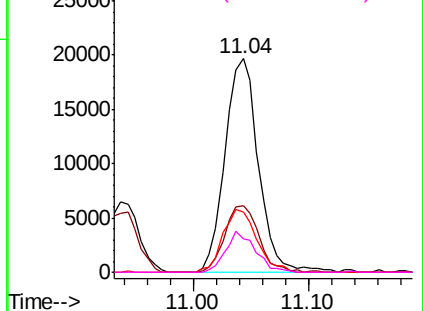
Tot Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.8	38.8
65	28.2	26.7	40.1
92	15.4	15.4	23.0

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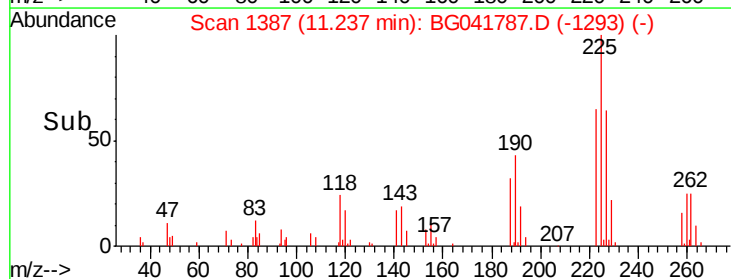
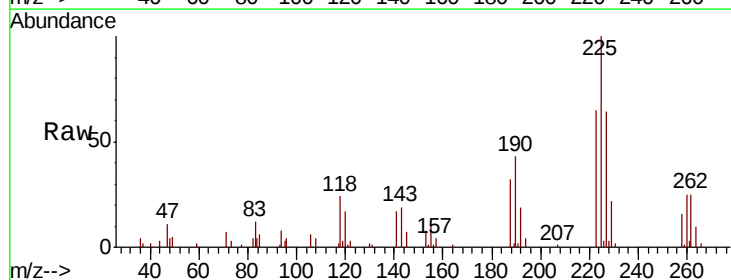
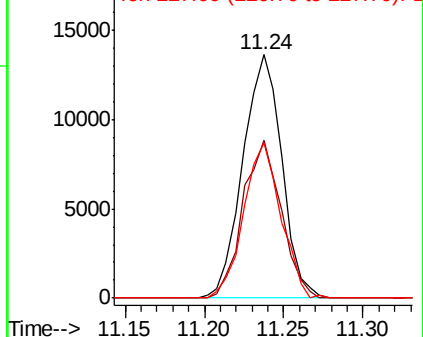
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

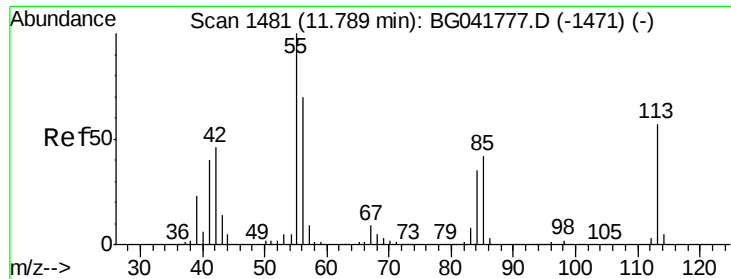


#34
Hexachlorobutadiene
Concen: 4.629 ng
RT: 11.24 min Scan# 1387
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	51.1	76.7
227	63.6	50.9	76.3

Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 4.656 ng

RT: 11.78 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

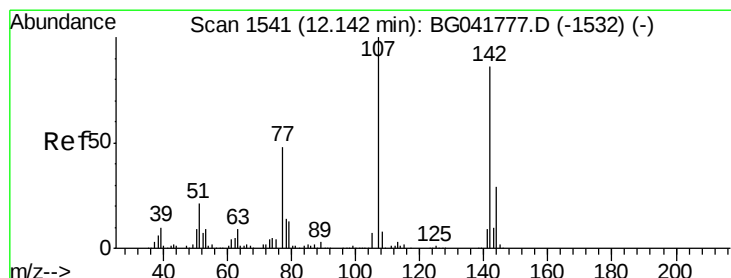
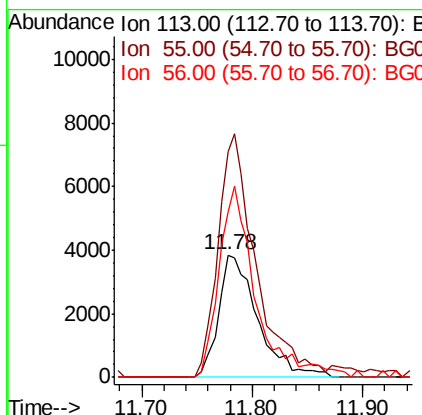
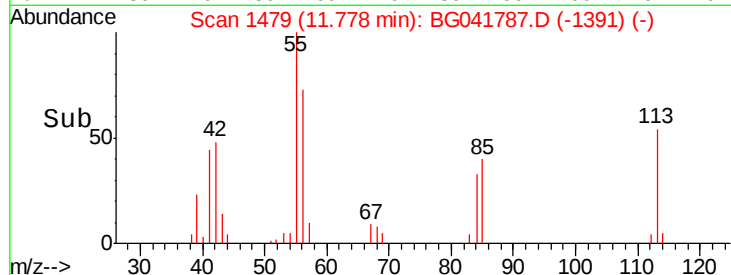
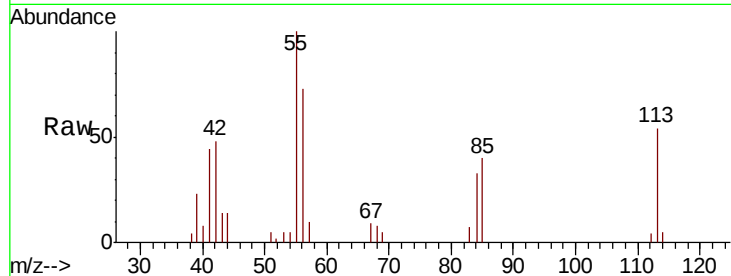
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:113 Resp: 9517
 Ion Ratio Lower Upper
 113 100
 55 184.1 199.4 239.4#
 56 135.2 133.6 173.6

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#36

4-Chloro-3-methylphenol

Concen: 4.848 ng

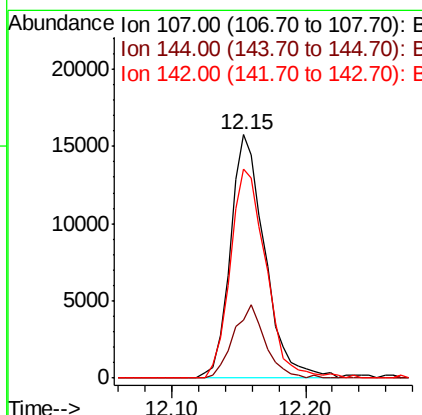
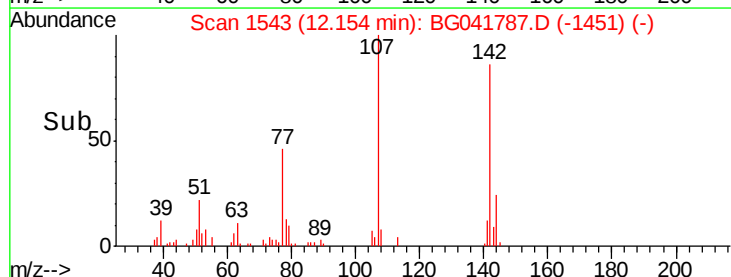
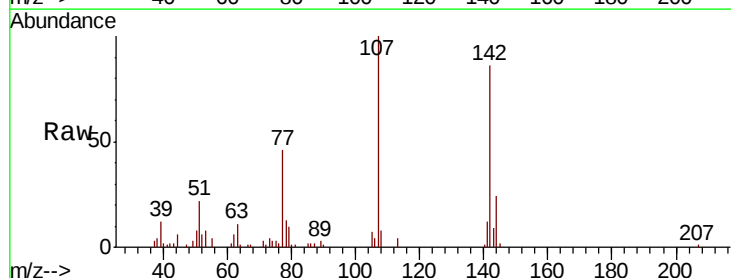
RT: 12.15 min Scan# 1543

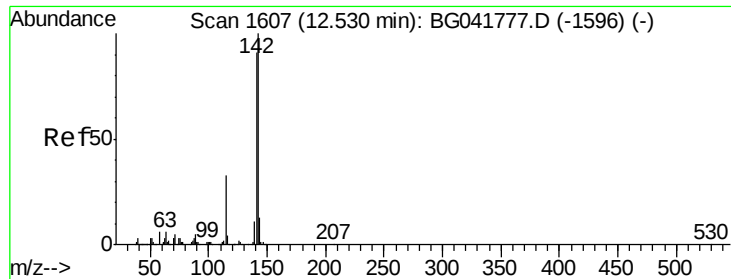
Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tgt Ion:107 Resp: 28264
 Ion Ratio Lower Upper
 107 100
 144 23.7 22.2 33.2
 142 85.7 67.3 100.9





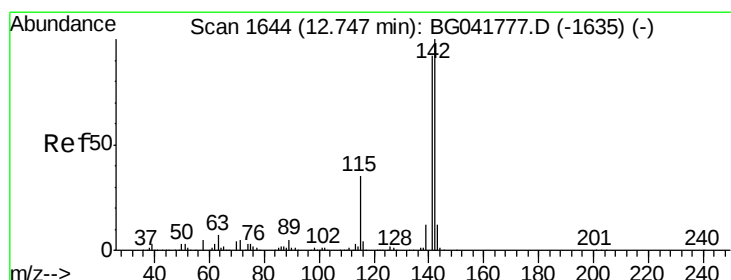
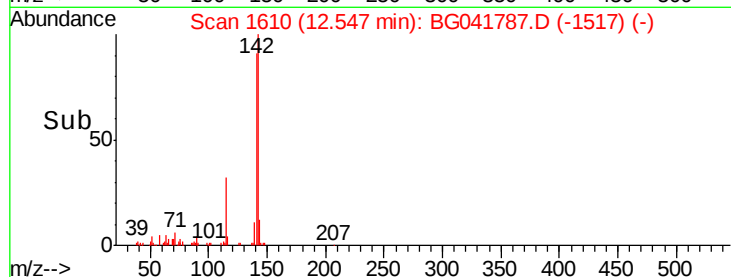
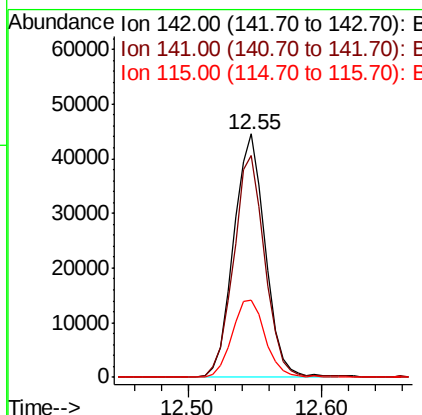
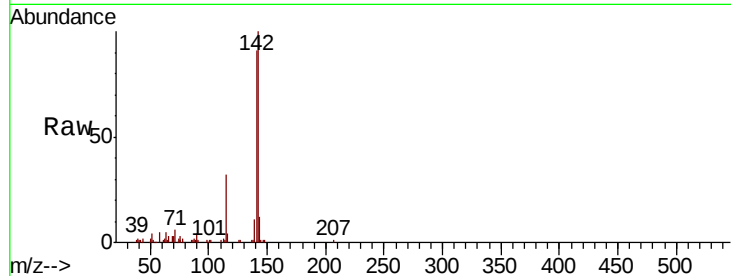
#37
2-Methylnaphthalene
Concen: 5.237 ng
RT: 12.55 min Scan# 1610
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.7	109.1
115	31.6	27.0	40.4

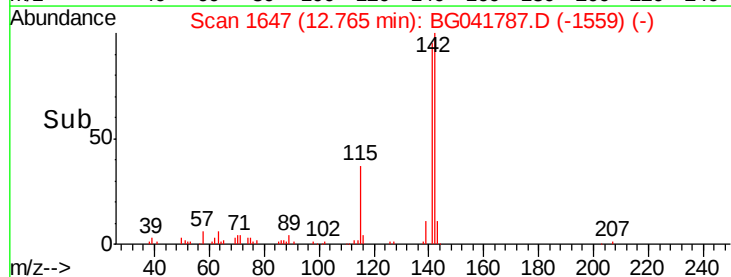
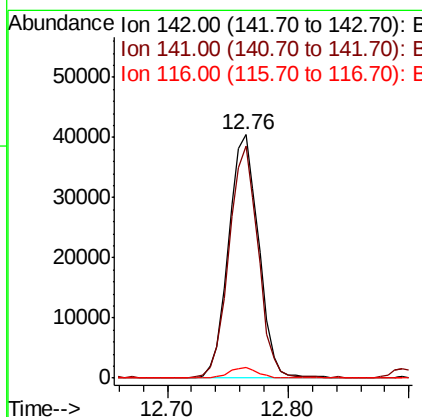
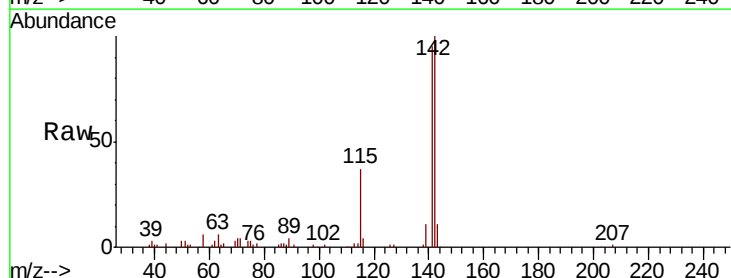
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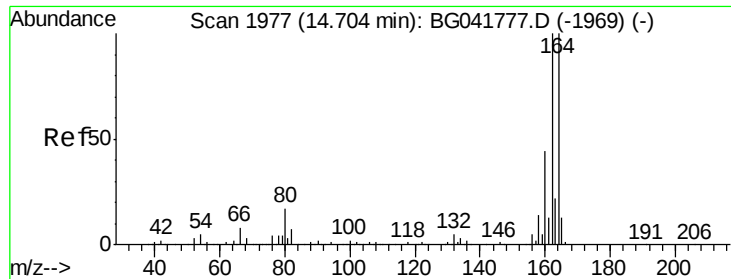
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#38
1-Methylnaphthalene
Concen: 5.284 ng
RT: 12.76 min Scan# 1647
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.4	75.4	113.2
116	4.2	3.2	4.8





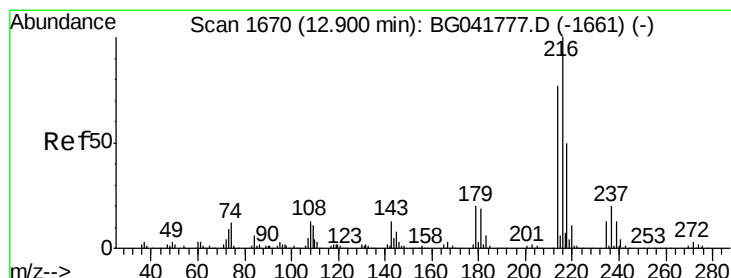
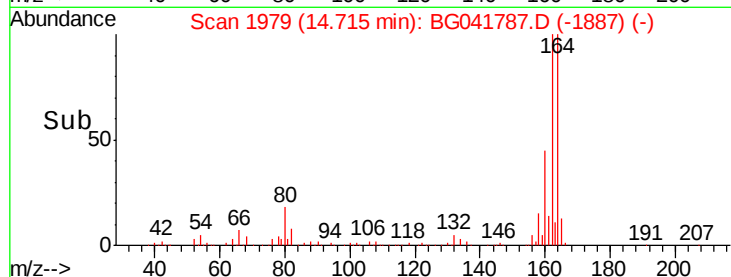
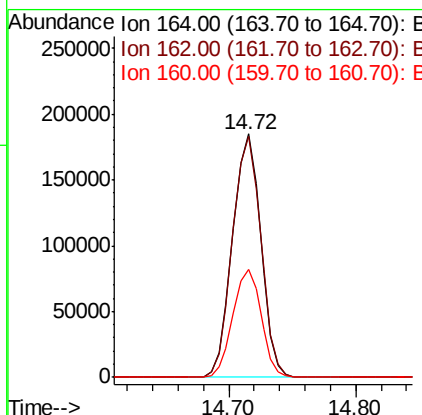
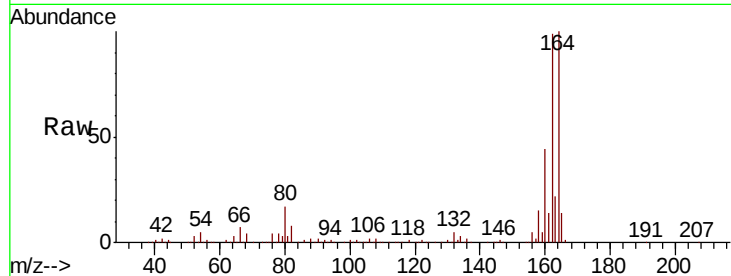
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.6	119.4
160	44.1	35.4	53.0

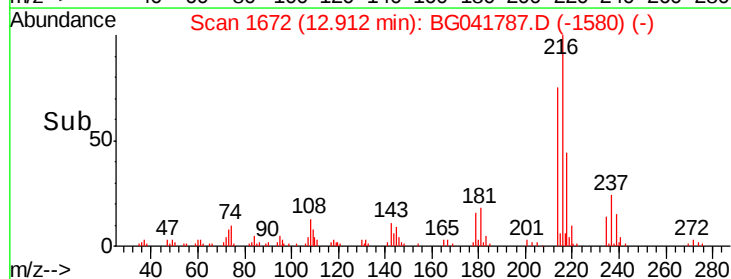
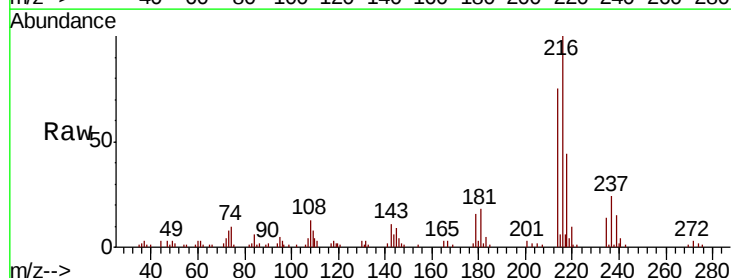
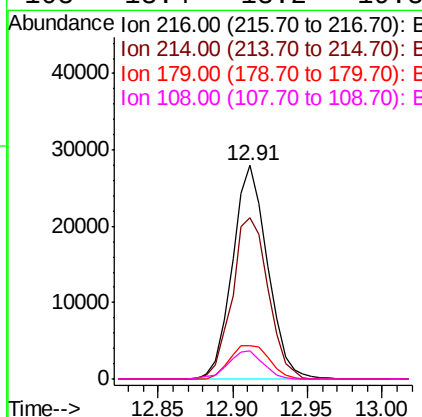
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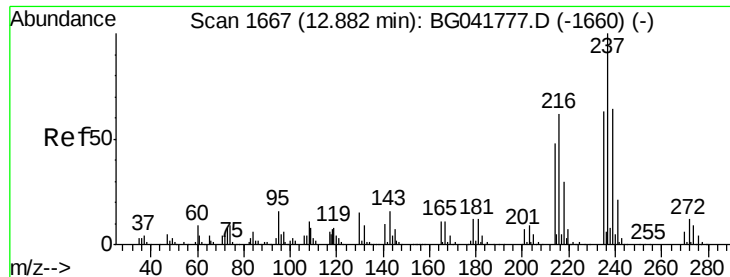
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.042 ng
RT: 12.91 min Scan# 1672
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.0	61.5	92.3
179	18.1	16.2	24.2
108	13.4	13.2	19.8





#41

Hexachlorocyclopentadiene

Concen: 4.446 ng

RT: 12.90 min Scan# 1670

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

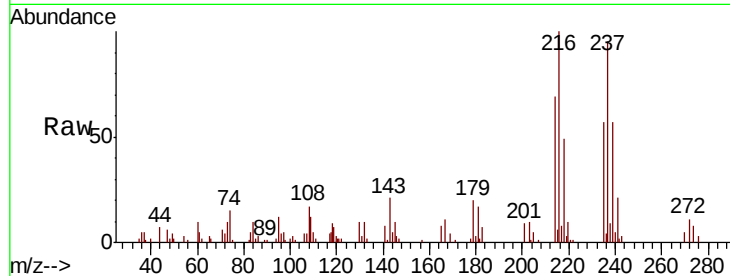
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

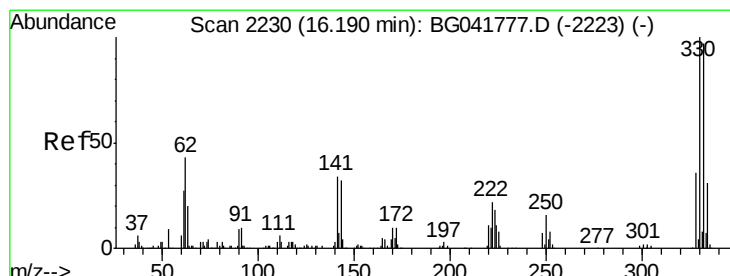
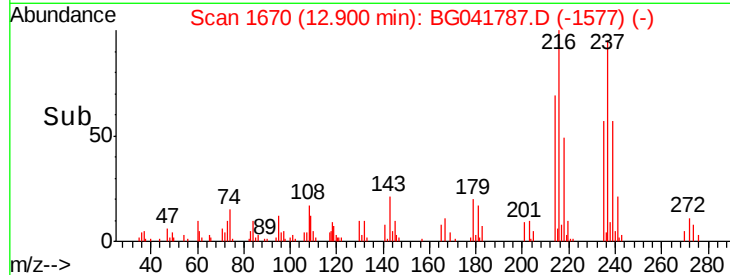
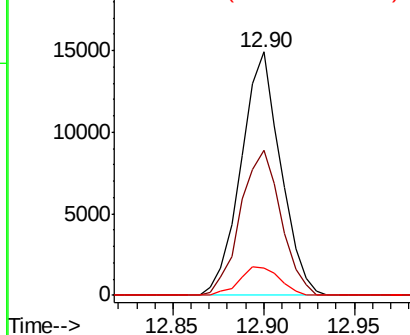
Tot Ion:	237	Resp:	22606
Ion Ratio	Lower	Upper	
237	100		
235	59.5	43.5	83.5
272	11.3	0.0	31.2

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



#42

2,4,6-Tribromophenol

Concen: 130.416 ng

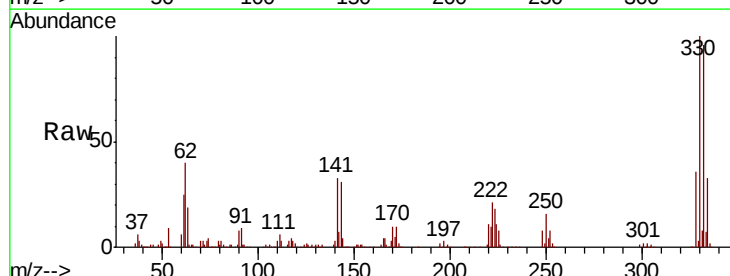
RT: 16.20 min Scan# 2232

Delta R.T. 0.01 min

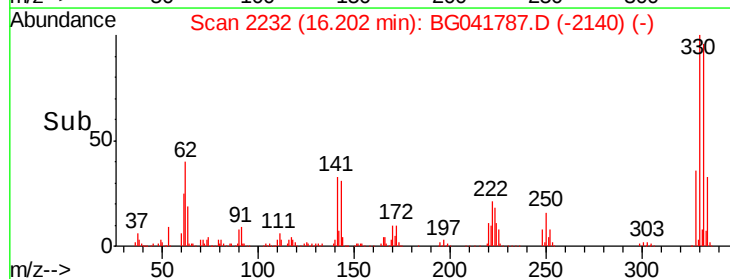
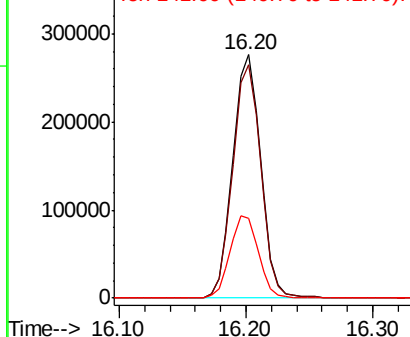
Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tgt Ion:	330	Resp:	423237
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.4	116.0
141	34.1	31.9	47.9



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





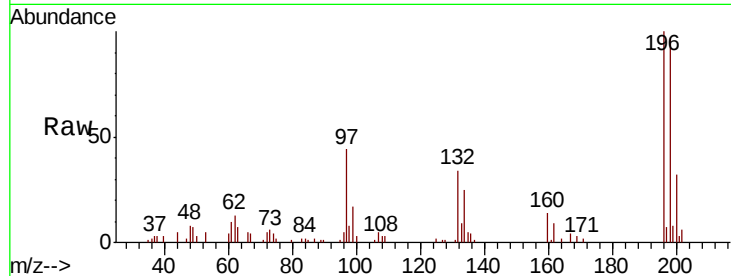
#43
 2,4,6-Trichlorophenol
 Concen: 4.366 ng
 RT: 13.15 min Scan# 1712
 Delta R.T. 0.02 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
196	100	24958		
198	97.0	79.6	119.4	
200	32.0	25.2	37.8	

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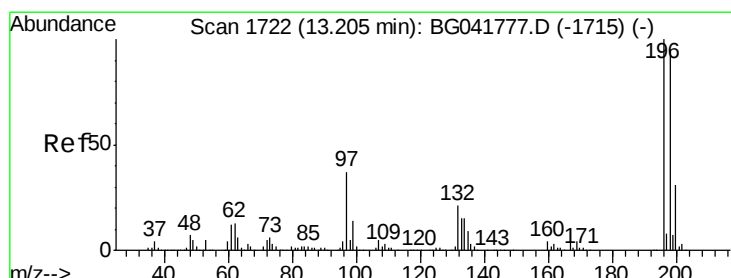
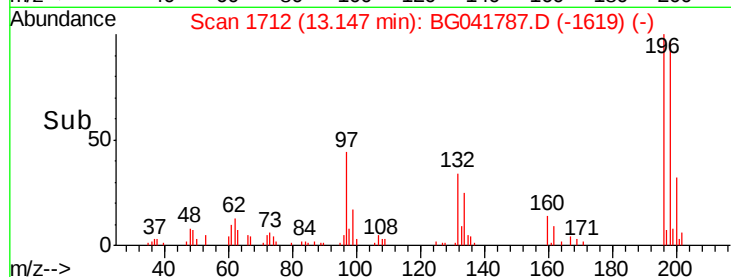
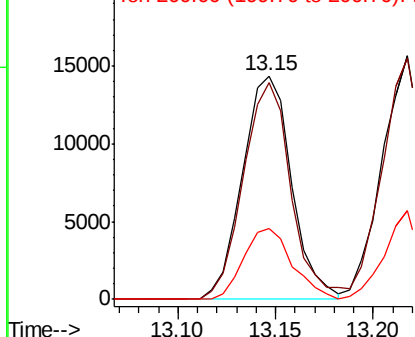


Abundance

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: 4.628 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	27493		
198	99.0	80.6	121.0	
97	32.5	33.9	50.9	
132	21.3	20.2	30.2	

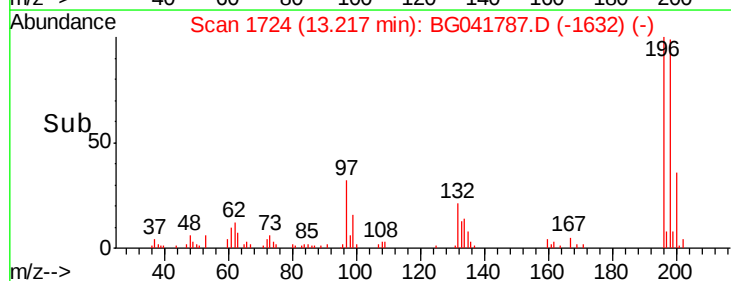
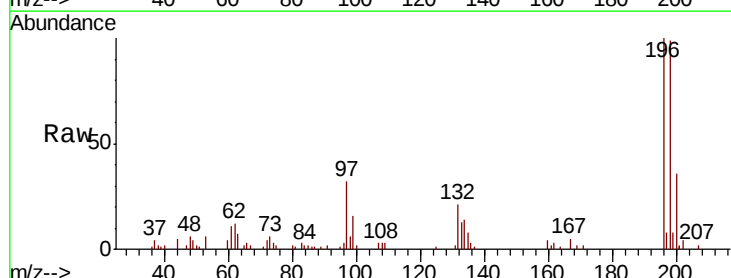
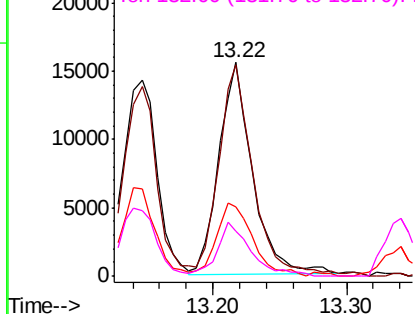
Abundance

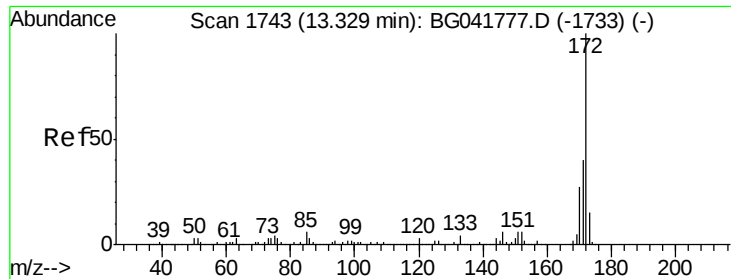
Ion 196.00 (195.70 to 196.70): E

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





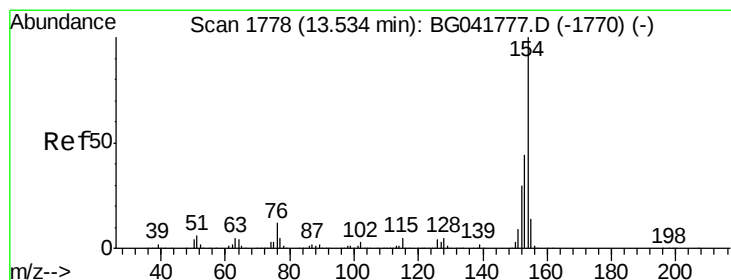
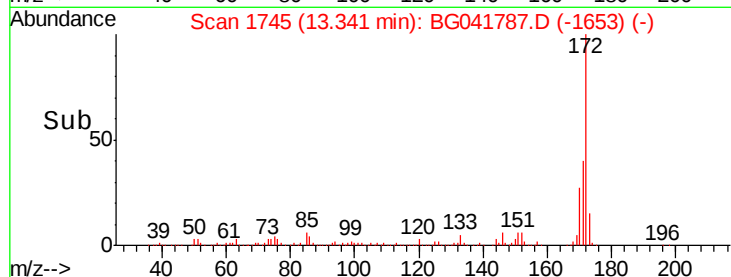
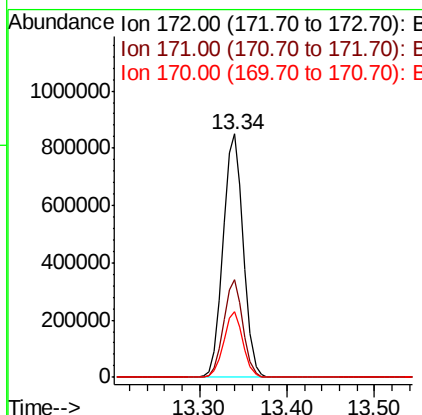
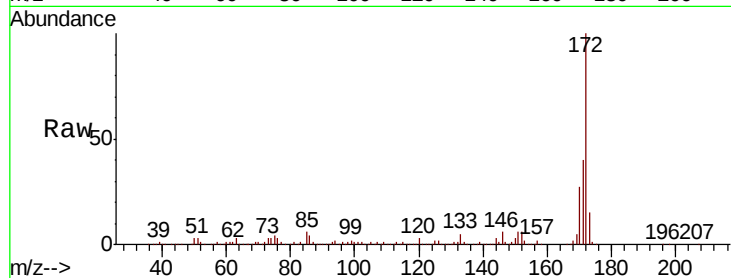
#45
2-Fluorobiphenyl
Concen: 83.213 ng
RT: 13.34 min Scan# 1745
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.0	35.0	52.4
170	26.8	23.5	35.3

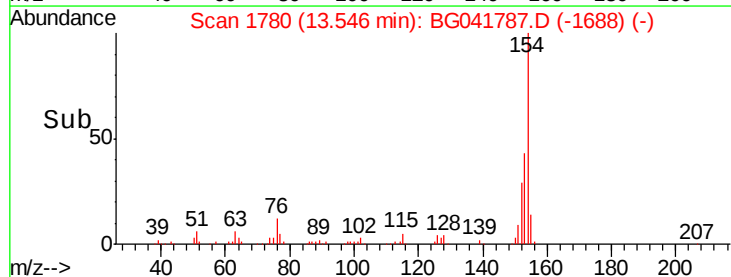
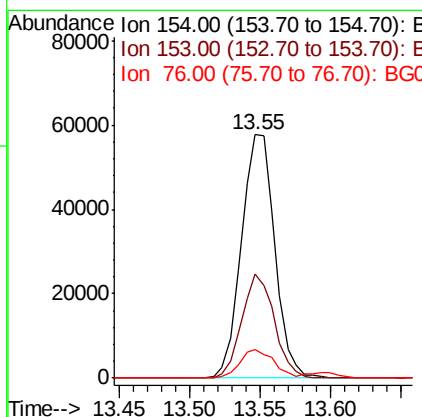
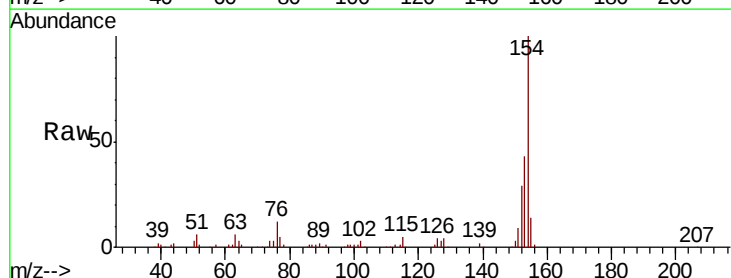
Manual Integrations
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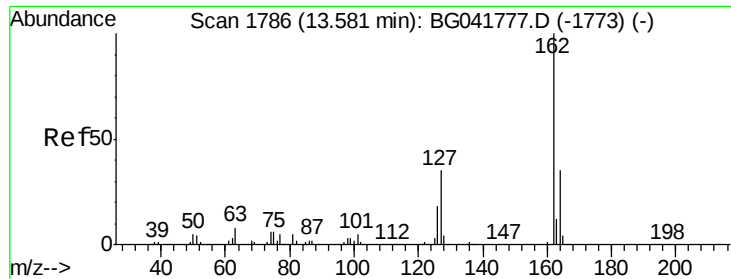
mohammad
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#46
1,1'-Biphenyl
Concen: 5.190 ng
RT: 13.55 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.6	25.0	65.0
76	11.9	0.0	34.5





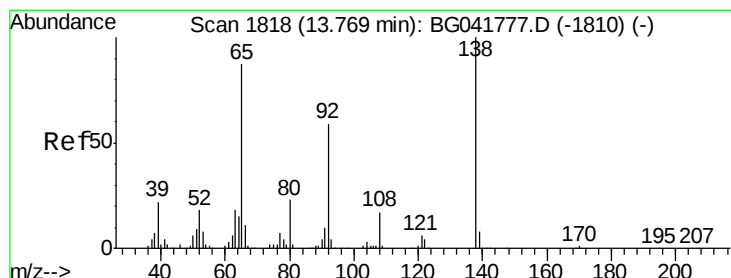
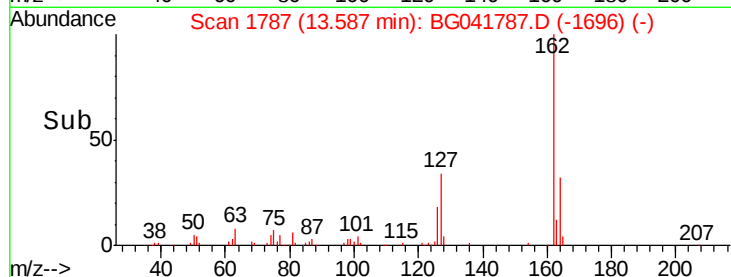
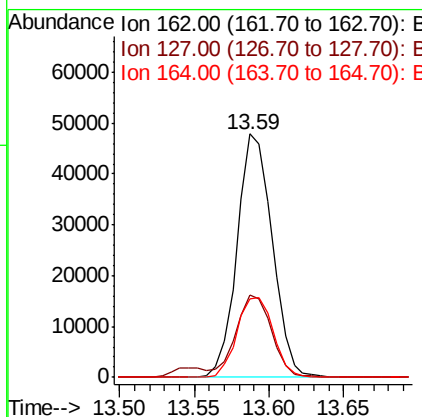
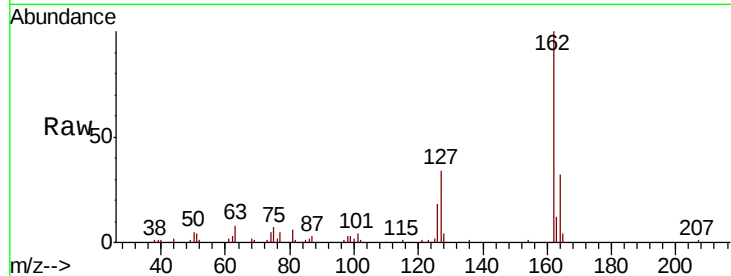
#47
2-Chloronaphthalene
Concen: 5.013 ng
RT: 13.59 min Scan# 1787
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
162	100		
127	33.7	30.4	45.6
164	32.3	28.6	42.8

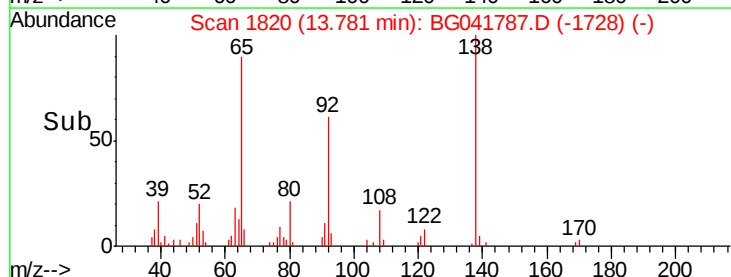
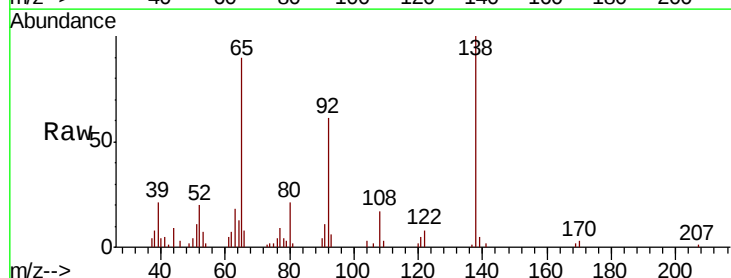
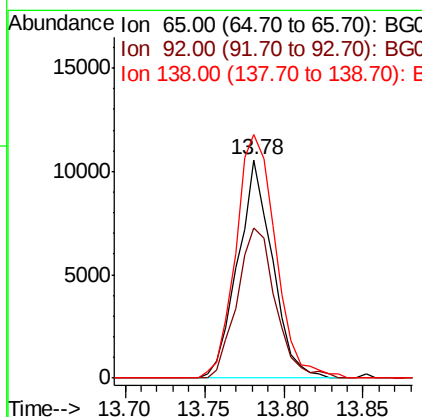
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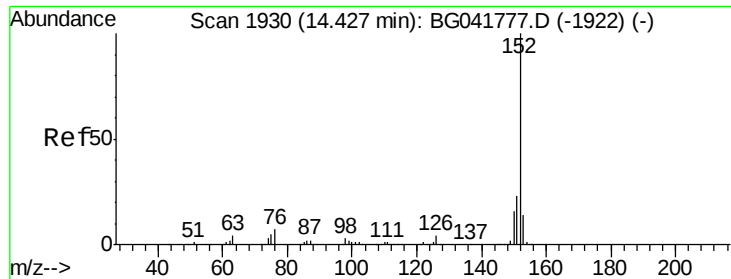
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#48
2-Nitroaniline
Concen: 4.030 ng
RT: 13.78 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.5	53.9	80.9
138	111.4	83.5	125.3





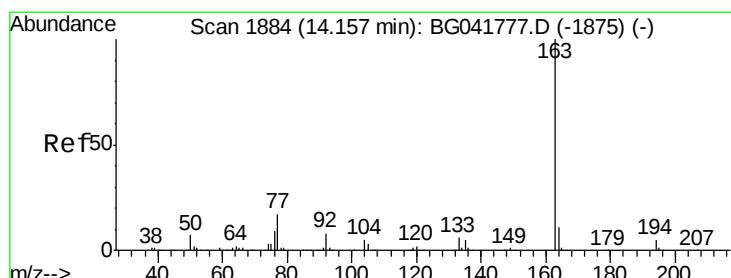
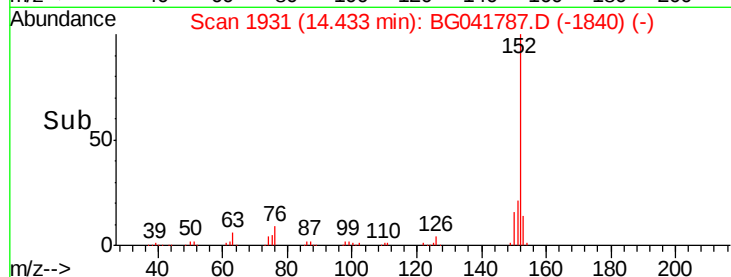
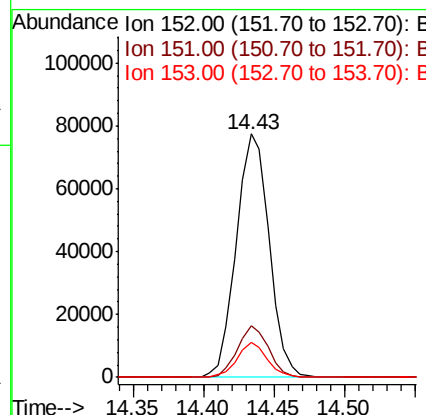
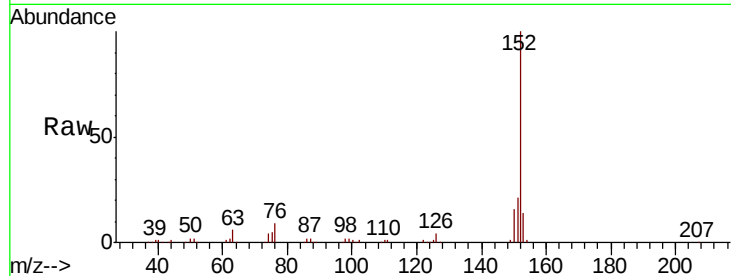
#49
Acenaphthylene
Concen: 5.383 ng
RT: 14.43 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.4	18.7	28.1
153	14.4	12.4	18.6

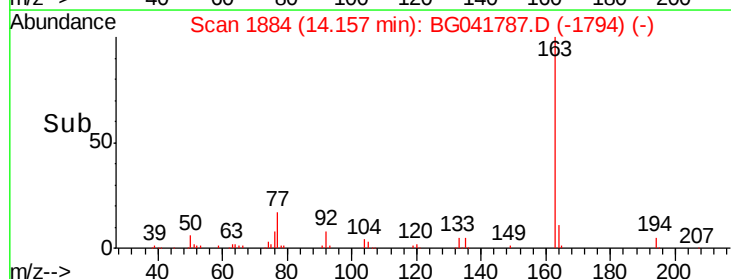
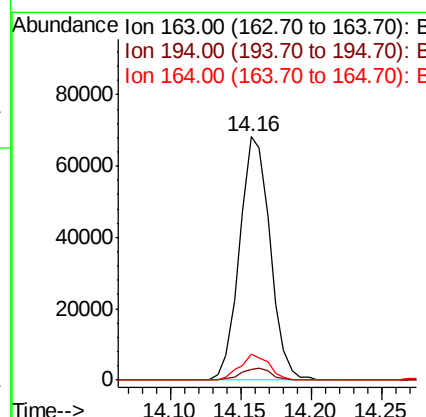
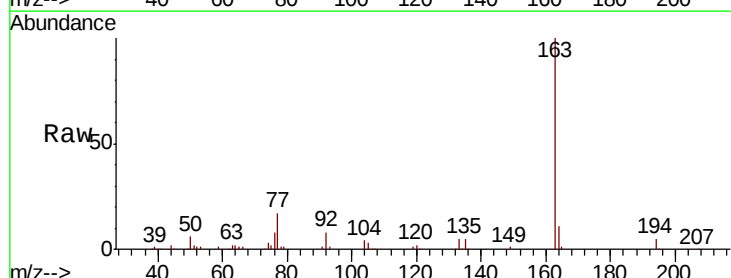
Manual Integrations
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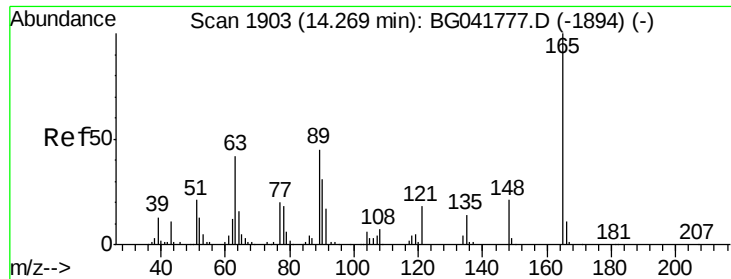
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#50
Dimethylphthalate
Concen: 5.263 ng
RT: 14.16 min Scan# 1884
Delta R.T. 0.00 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	4.2	6.2
164	10.7	9.4	14.2





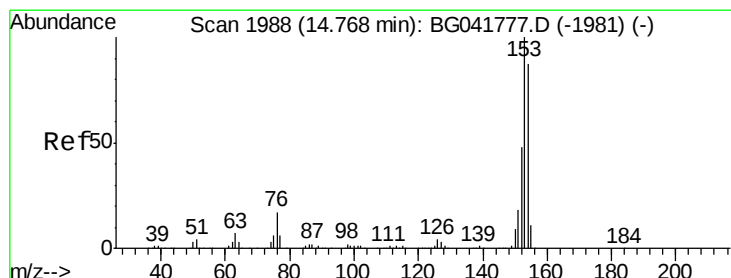
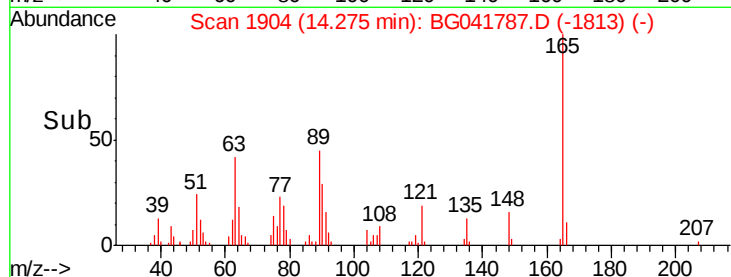
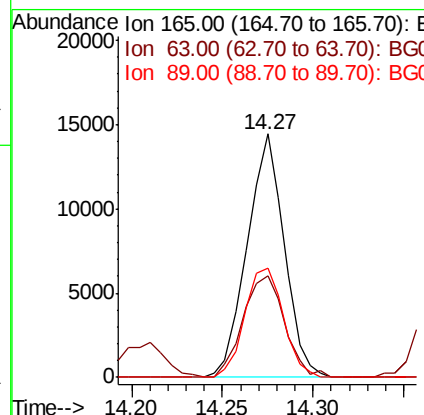
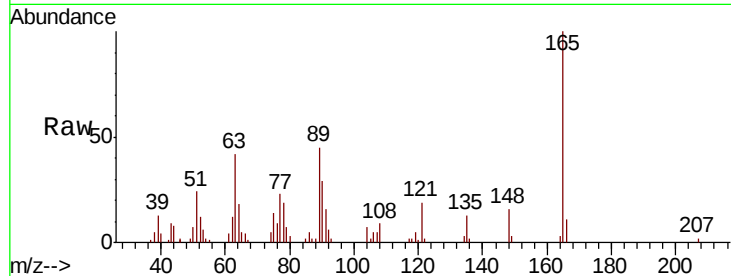
#51
 2,6-Dinitrotoluene
 Concen: 5.018 ng
 RT: 14.27 min Scan# 1904
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
165	100		
63	41.6	42.4	63.6#
89	45.0	42.1	63.1

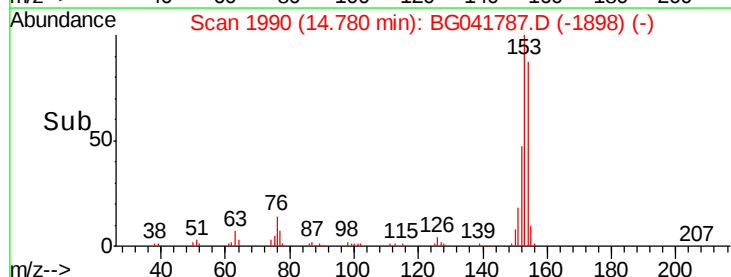
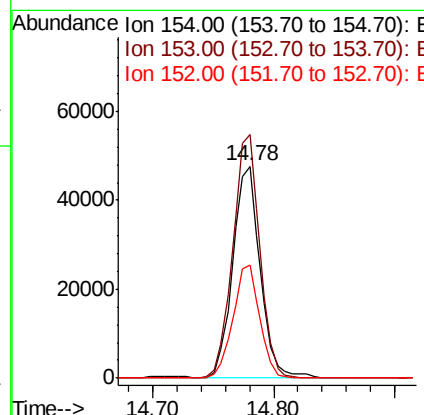
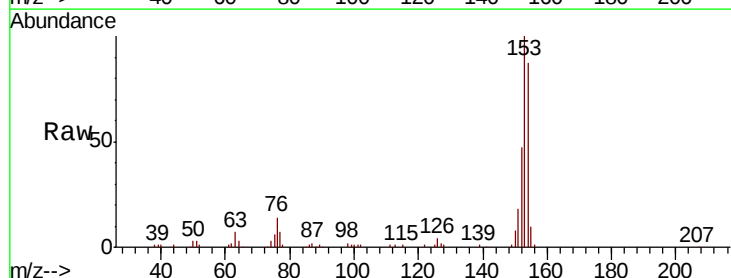
Manual Integrations
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#52
 Acenaphthene
 Concen: 4.965 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.0	89.8	134.6
152	53.5	44.9	67.3





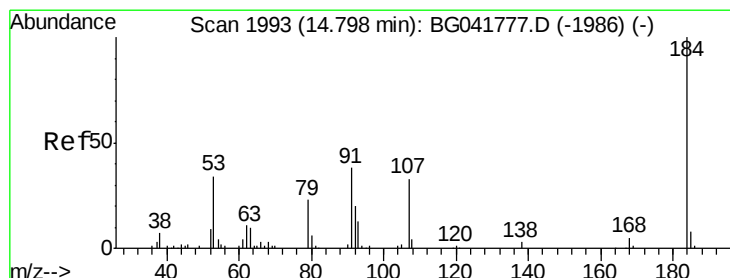
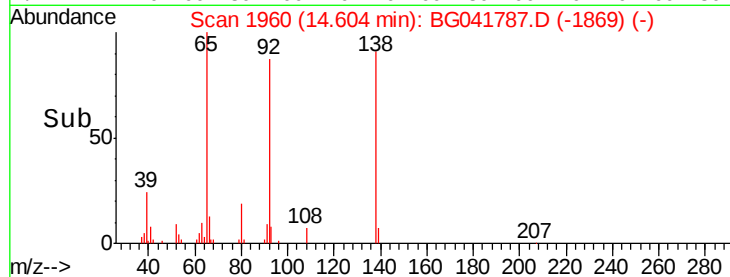
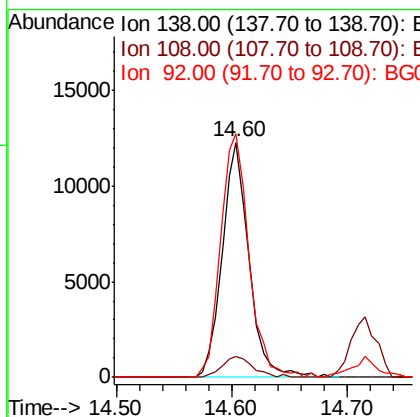
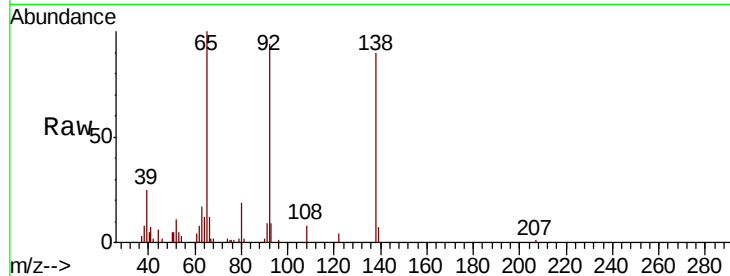
#53
3-Nitroaniline
Concen: 4.493 ng
RT: 14.60 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	8.7	10.3	15.5#
92	103.7	93.0	139.4

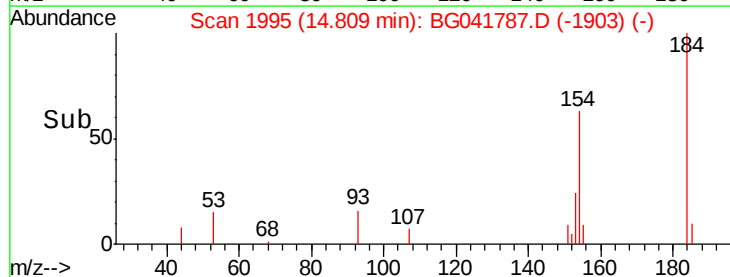
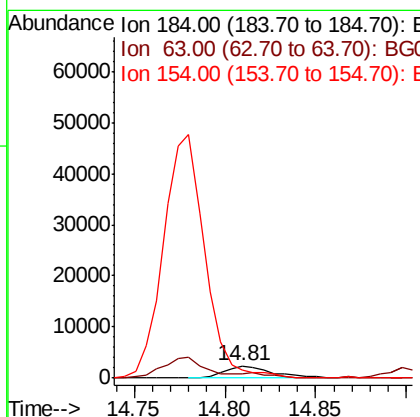
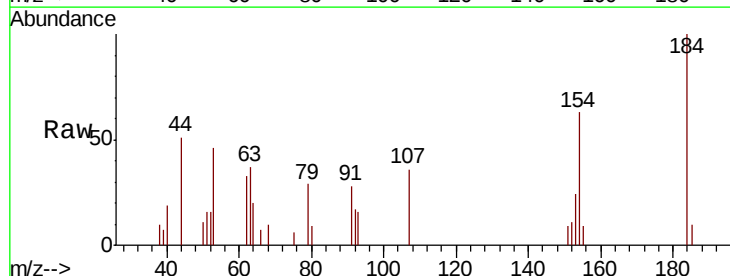
Manual Integrations
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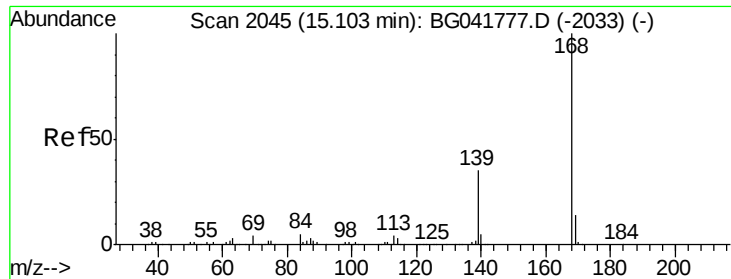
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#54
2,4-Dinitrophenol
Concen: 5.627 ng
RT: 14.81 min Scan# 1995
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
184	100		
63	37.0	43.2	64.8#
154	63.4	51.4	77.2





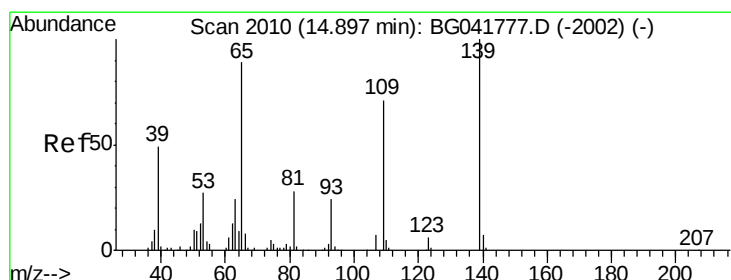
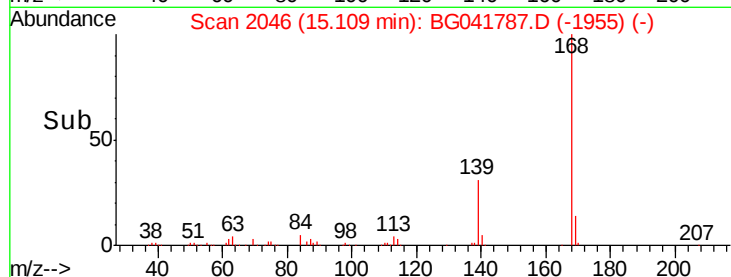
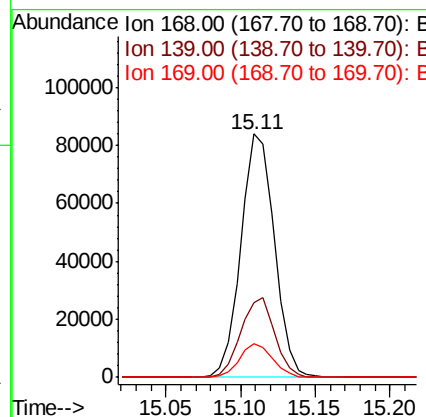
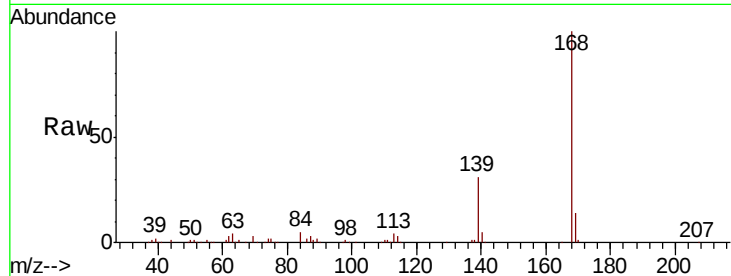
#55
Dibenzenofuran
Concen: 5.606 ng
RT: 15.11 min Scan# 2046
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
168	100		
139	30.8	31.9	47.9#
169	13.6	12.5	18.7

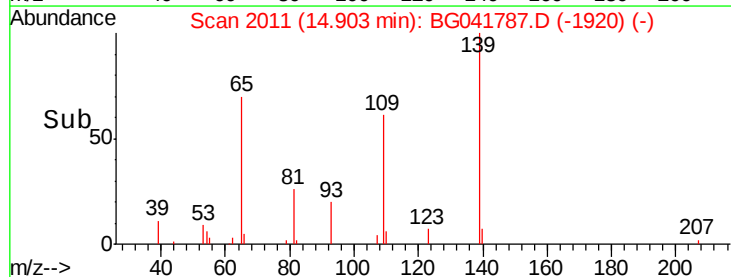
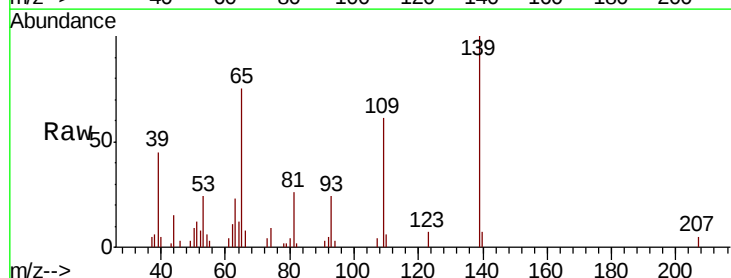
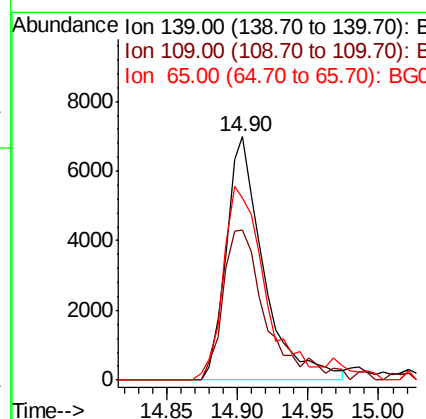
Manual Integrations
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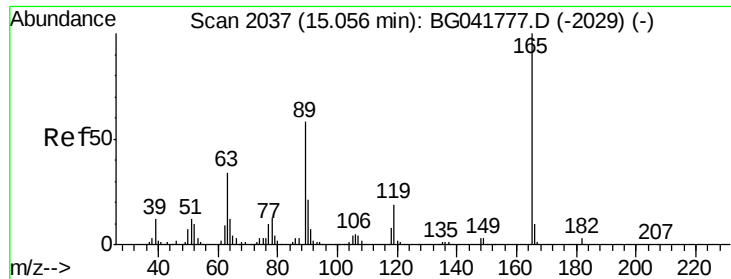
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#56
4-Nitrophenol
Concen: 3.877 ng
RT: 14.90 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
139	100		
109	61.5	51.3	91.3
65	75.1	77.6	117.6#





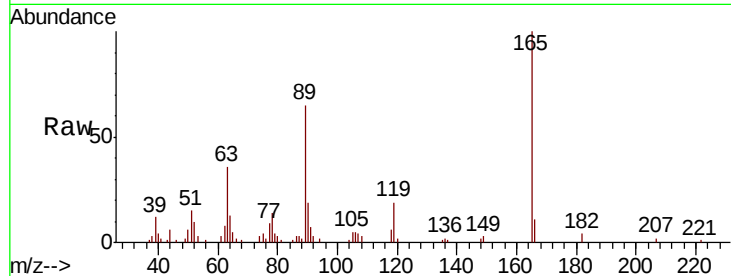
#57
2,4-Dinitrotoluene
Concen: 4.346 ng
RT: 15.06 min Scan# 2038
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
165	100	24388		
63	36.0		31.7	47.5
89	64.8		50.2	75.4
182	3.8		2.6	4.0

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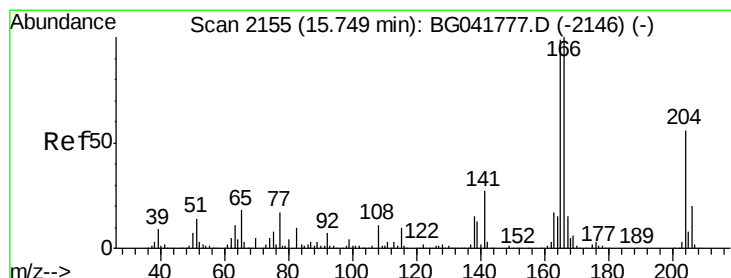
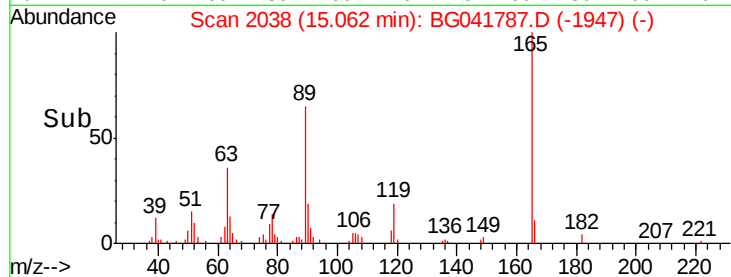
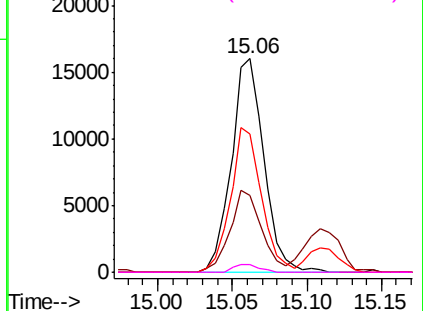
Abundance

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: 5.494 ng
RT: 15.76 min Scan# 2157
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

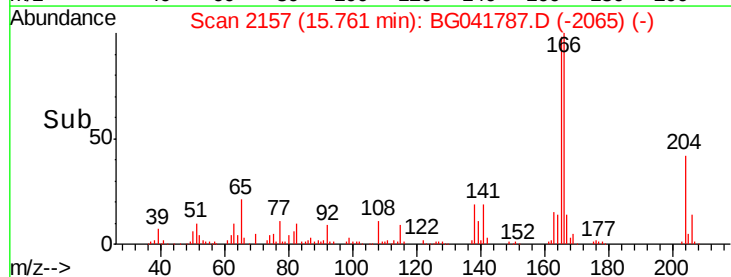
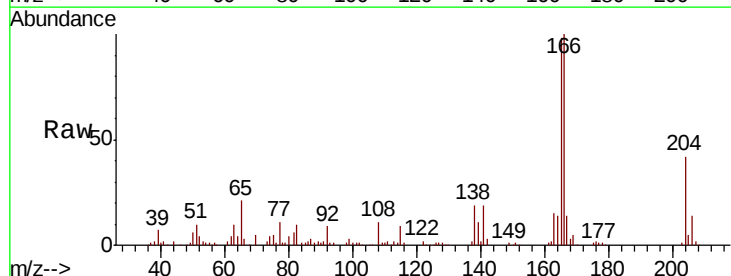
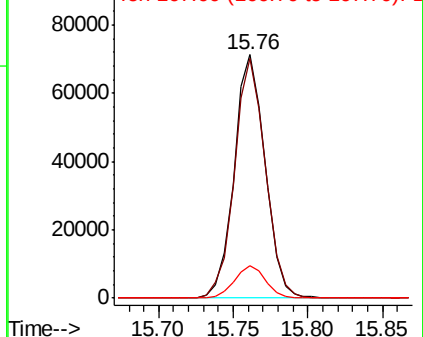
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	102590		
165	98.5		80.5	120.7
167	13.6		12.4	18.6

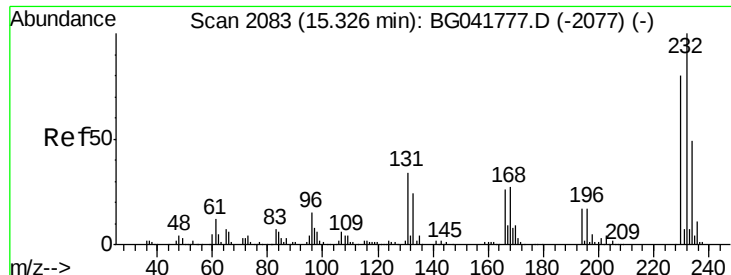
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





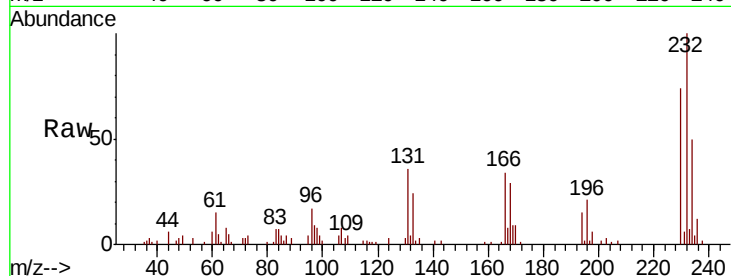
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.552 ng
 RT: 15.33 min Scan# 2084
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
232	100	26781		
131	35.7		31.8	47.6
130	1.4		1.8	2.8
166	28.4		23.5	35.3

Manual Integrations
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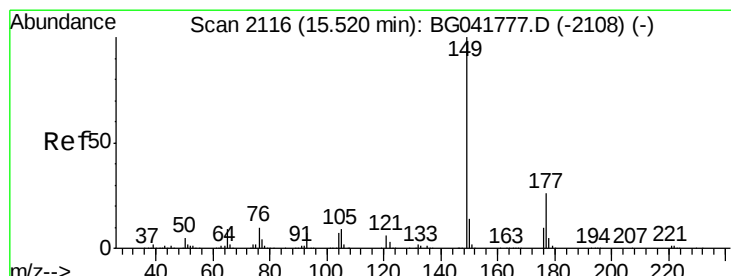
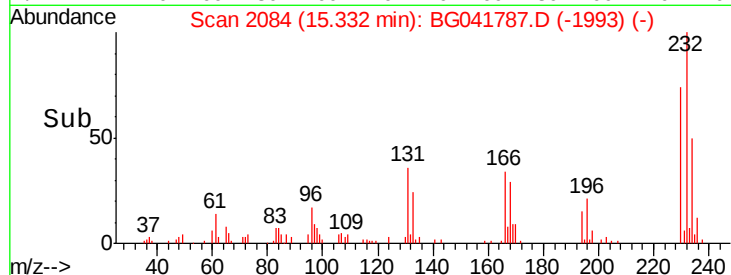
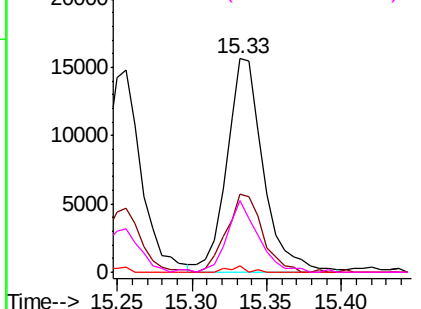
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

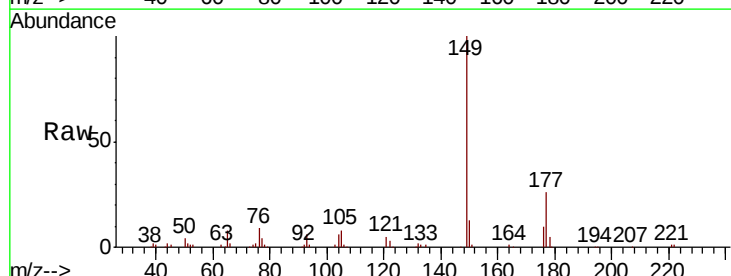
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 5.341 ng
 RT: 15.53 min Scan# 2117
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	102320		
177	25.6		20.7	31.1
150	12.7		11.5	17.3

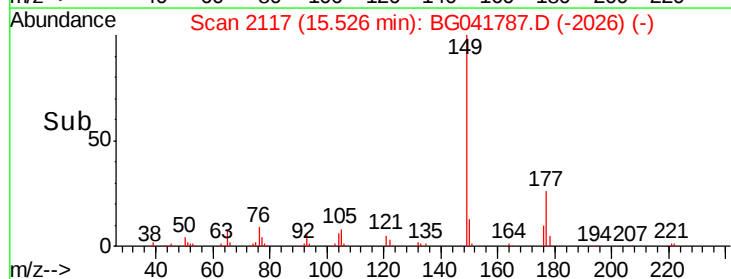
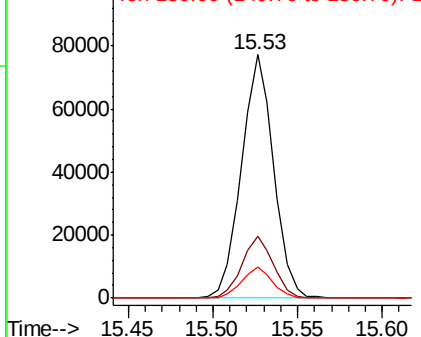


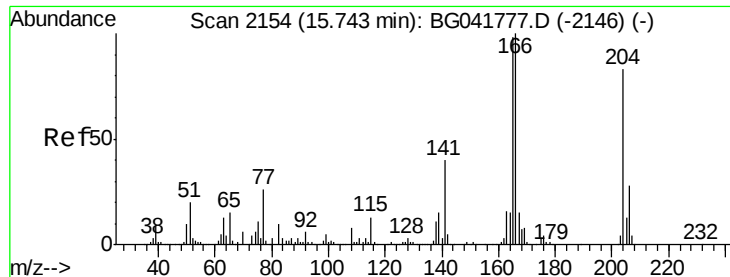
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





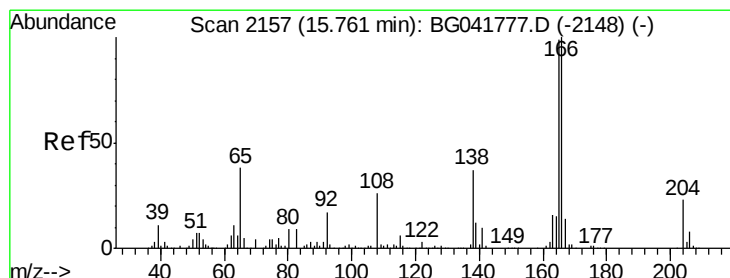
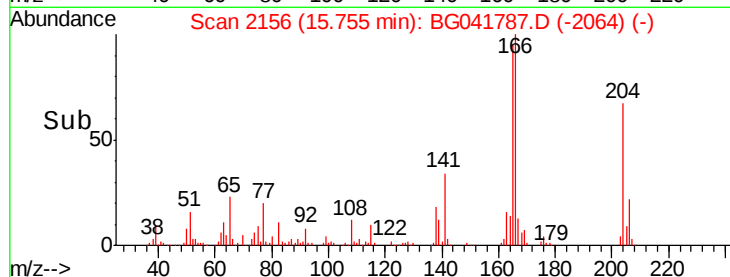
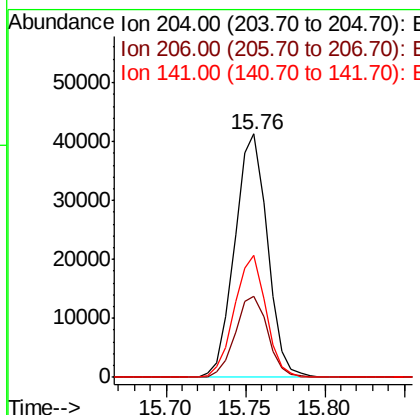
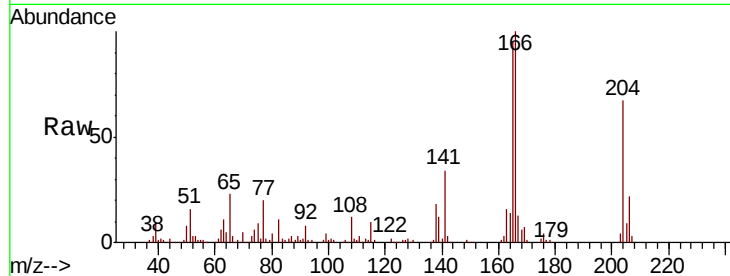
#61
 4-Chlorophenyl-phenylether
 Concen: 5.181 ng
 RT: 15.76 min Scan# 2156
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.3	28.6	42.8
141	50.3	42.9	64.3

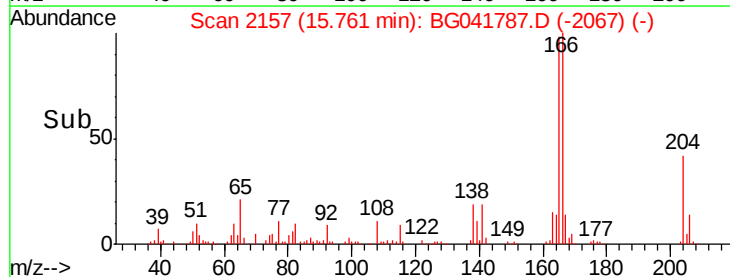
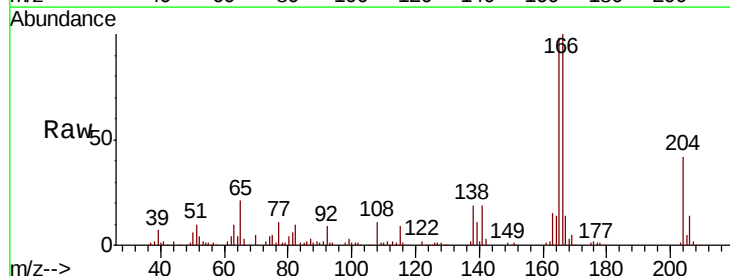
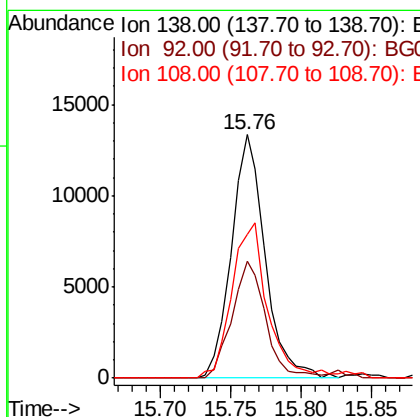
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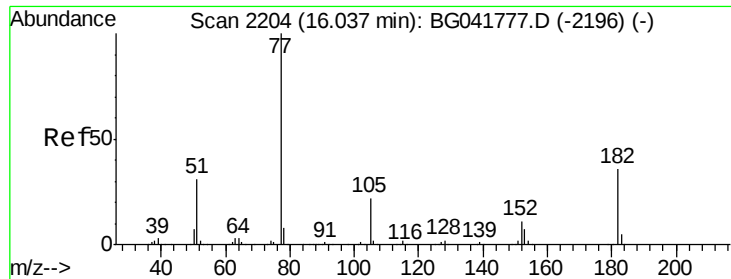
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#62
 4-Nitroaniline
 Concen: 4.686 ng
 RT: 15.76 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.8	29.8	69.8
108	59.0	52.2	92.2





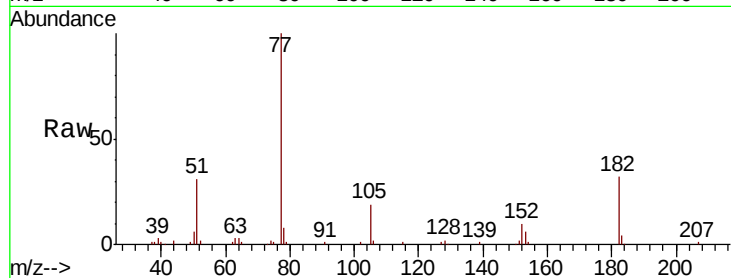
#63
Azobenzene
Concen: 5.273 ng
RT: 16.04 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	31.5	13.2	53.2		
105	18.6	2.2	42.2		
51	31.5	14.6	54.6		

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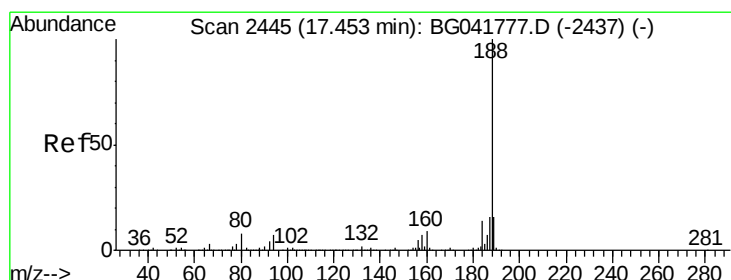
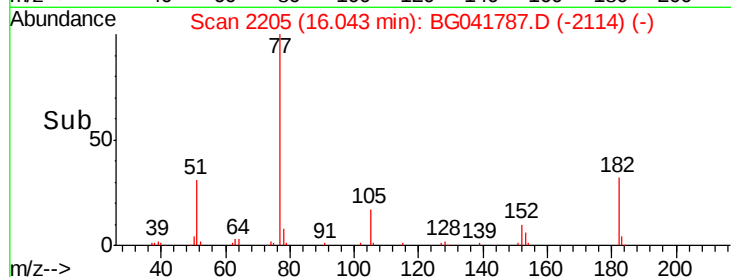
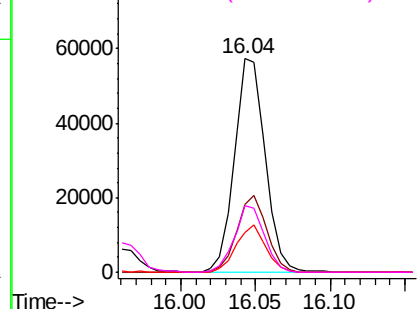
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.46 min Scan# 2446
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

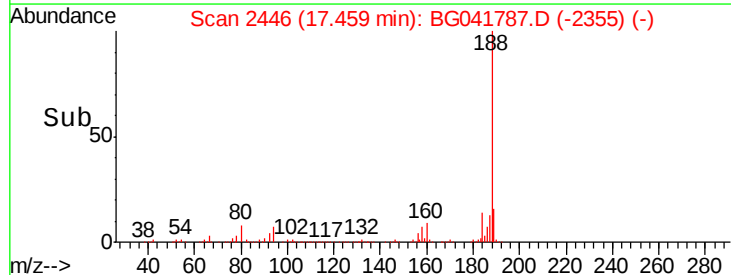
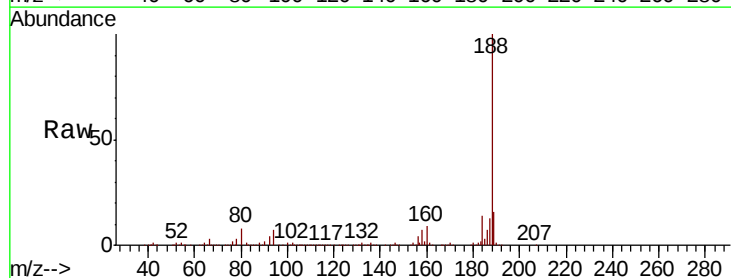
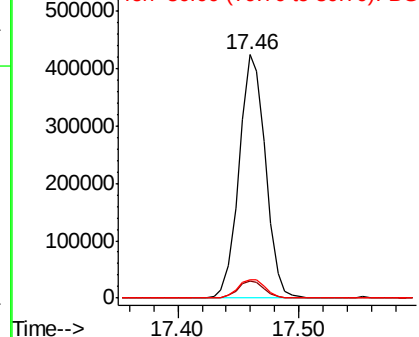
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	7.1	6.9	10.3		
80	7.7	8.0	12.0		

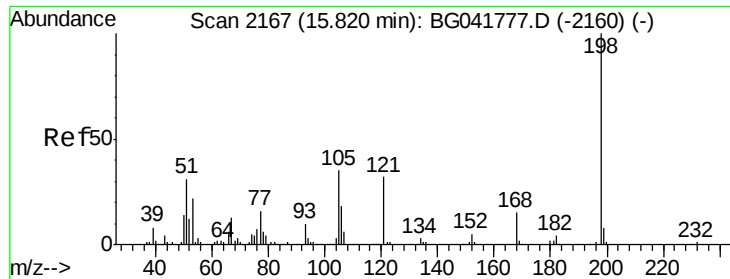
Abundance

Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





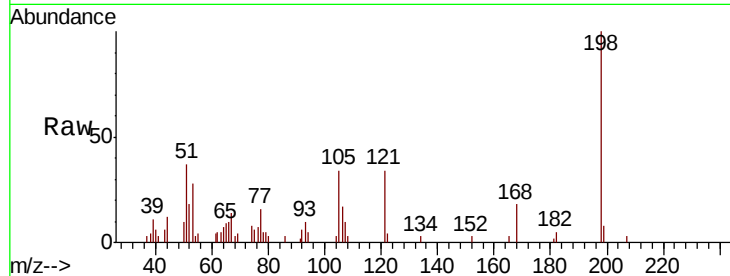
#65
4,6-Dinitro-2-methylphenol
Concen: 9.947 ng
RT: 15.83 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

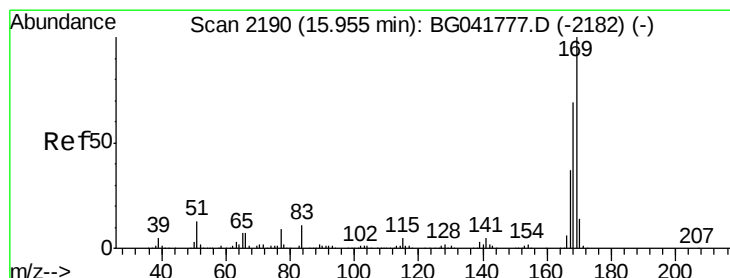
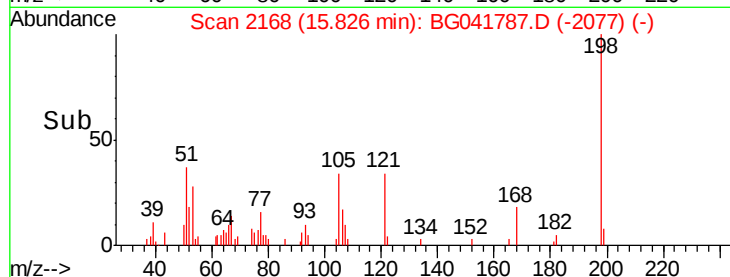
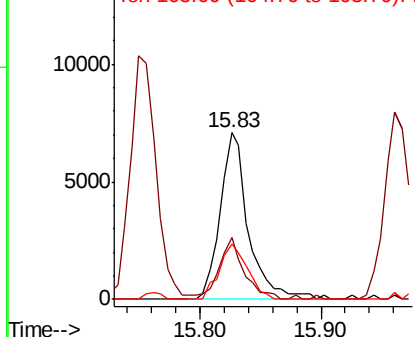
Tot Ion	Ratio	Lower	Upper
198	100		
51	37.1	22.3	62.3
105	33.7	18.0	58.0

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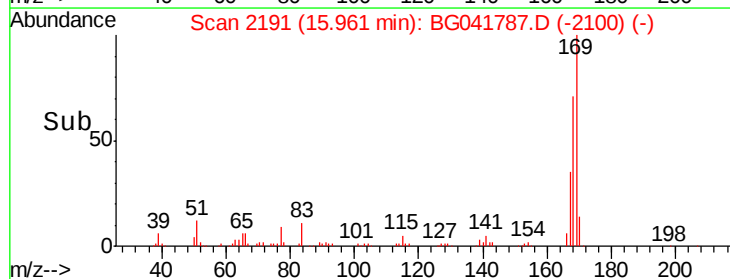
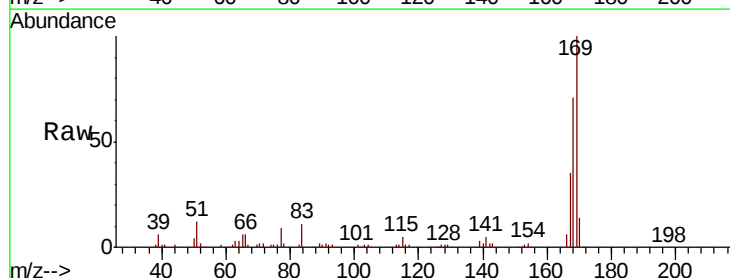
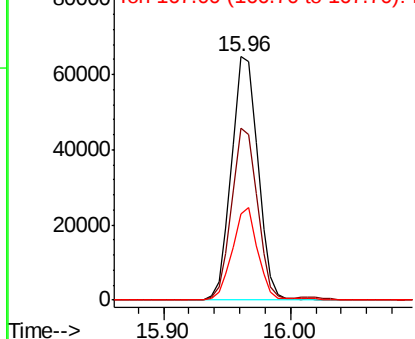
Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

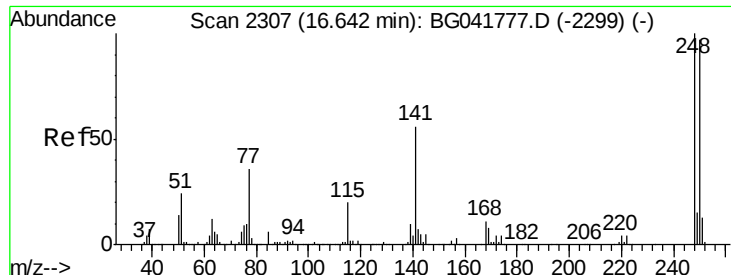


#66
n-Nitrosodiphenylamine
Concen: 5.318 ng
RT: 15.96 min Scan# 2191
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
169	100		
168	70.8	56.9	85.3
167	35.3	31.5	47.3

Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.786 ng

RT: 16.65 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

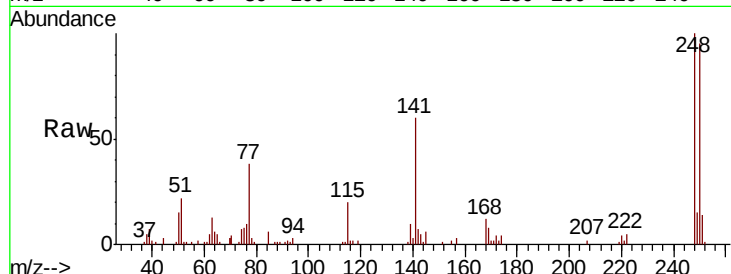
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

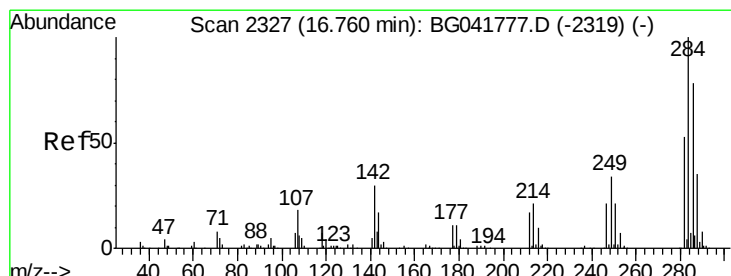
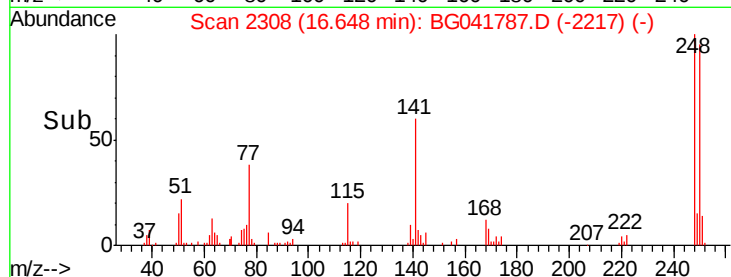
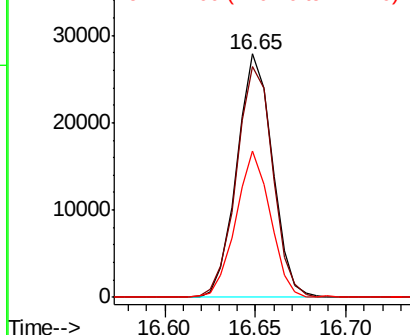
Tot Ion:	248	Resp:	38074
Ion Ratio	Lower	Upper	
248	100		
250	94.7	78.1	117.1
141	60.1	49.6	74.4

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



#68

Hexachlorobenzene

Concen: 4.740 ng

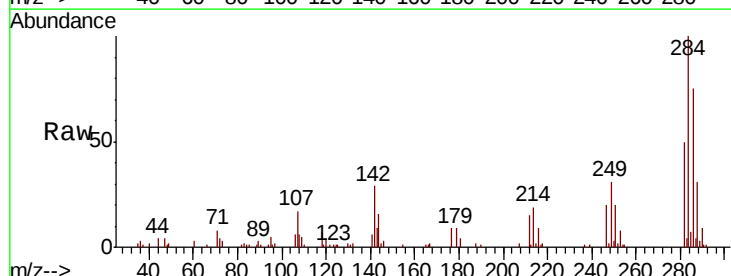
RT: 16.77 min Scan# 2328

Delta R.T. 0.01 min

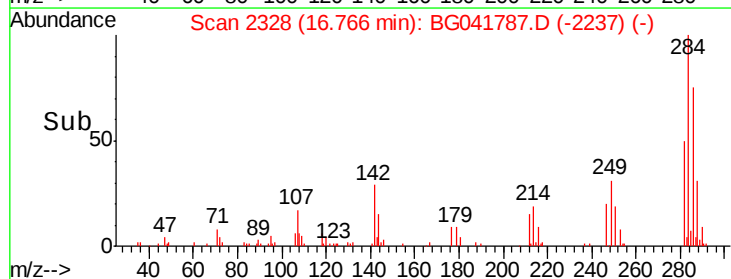
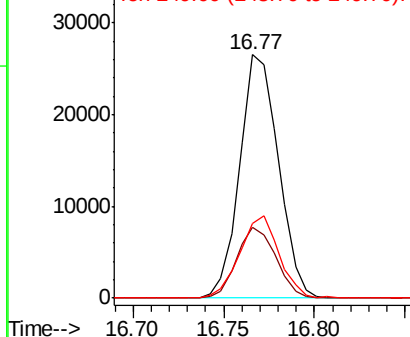
Lab File: BG041787.D

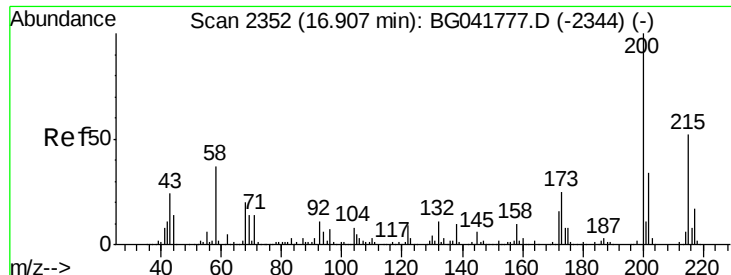
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Tgt Ion:	284	Resp:	39448
Ion Ratio	Lower	Upper	
284	100		
142	29.2	27.0	40.6
249	30.6	28.4	42.6



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





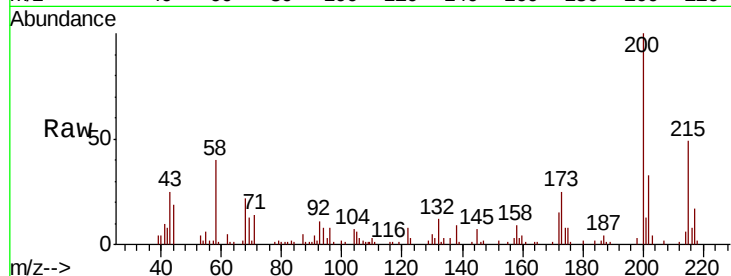
#69
 Atrazine
 Concen: 4.792 ng
 RT: 16.91 min Scan# 2352
 Delta R.T. 0.00 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.2	5.3	45.3
215	48.9	31.8	71.8

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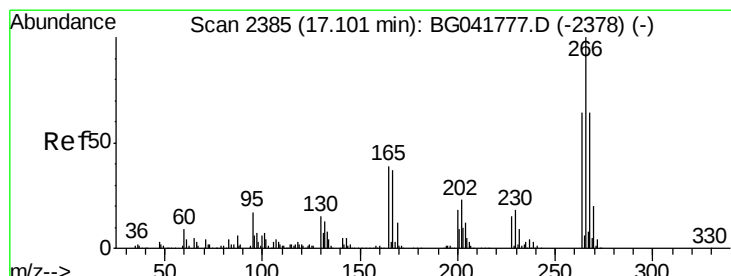
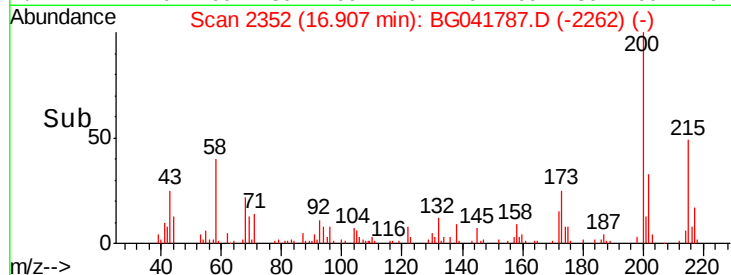
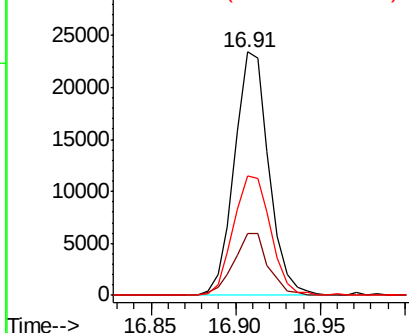


Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
 Pentachlorophenol
 Concen: 3.612 ng
 RT: 17.11 min Scan# 2387
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

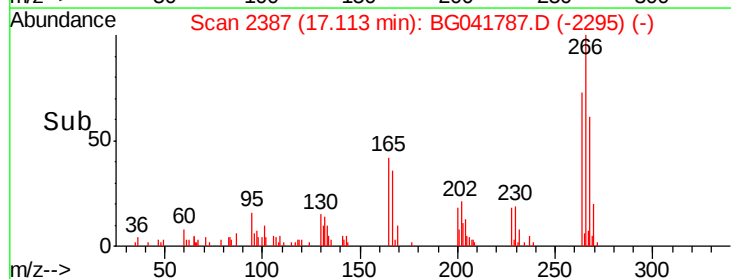
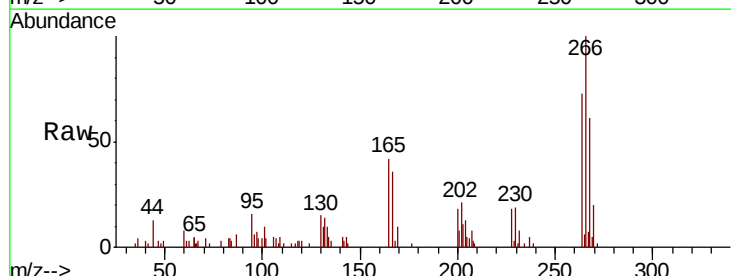
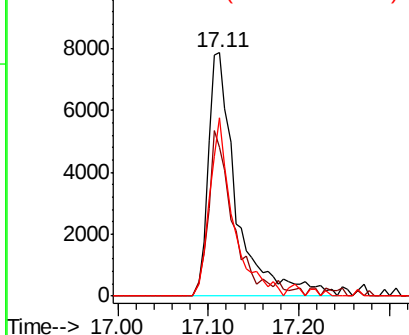
Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.4	52.9	79.3
264	73.2	51.4	77.2

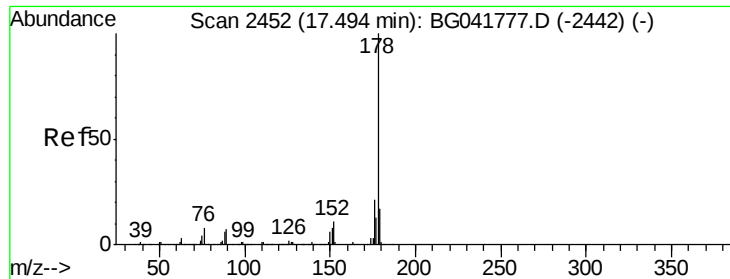
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





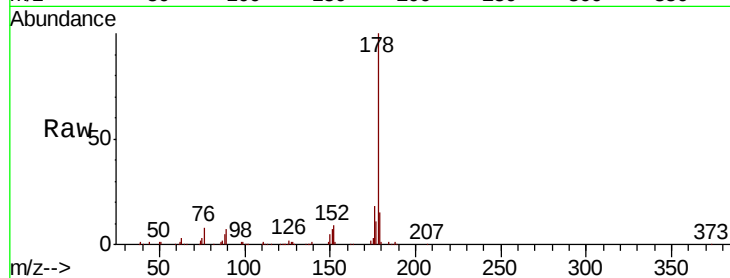
#71
Phenanthrene
Concen: 5.652 ng
RT: 17.51 min Scan# 2454
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	18.6	28.0#
179	15.4	15.4	23.0

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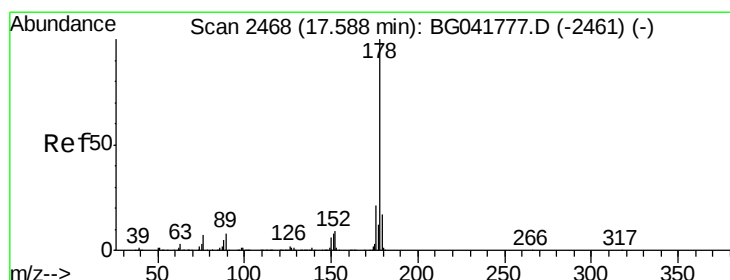
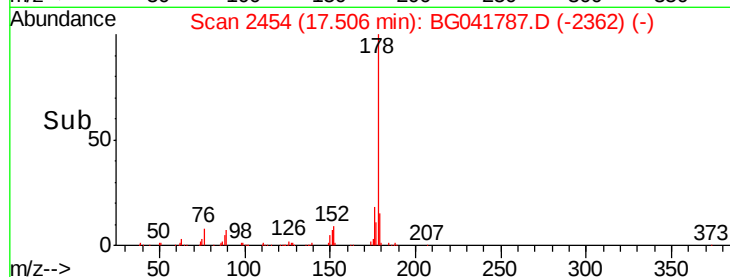
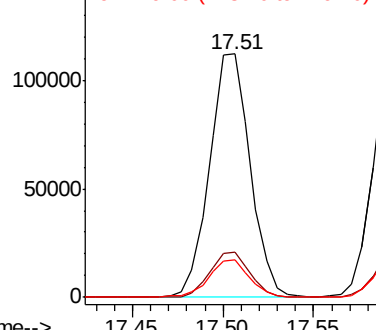


Abundance

Ion 178.00 (177.70 to 178.70): E

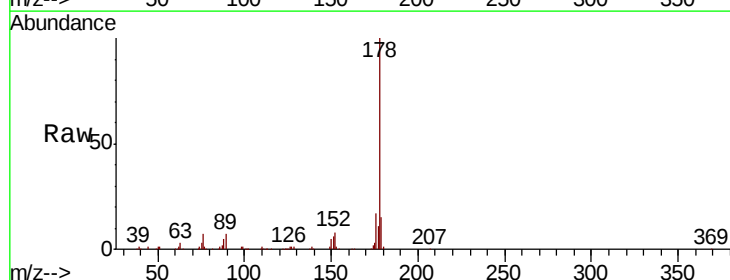
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 5.703 ng
RT: 17.59 min Scan# 2469
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	18.6	28.0#
179	15.0	15.1	22.7#

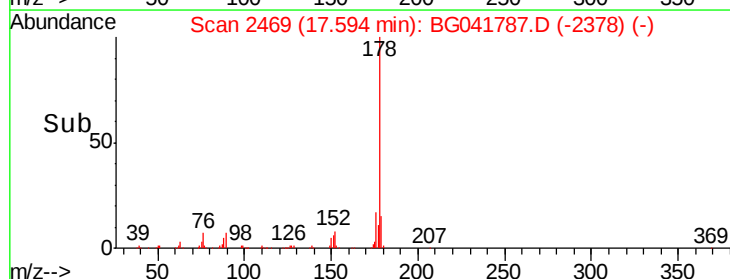
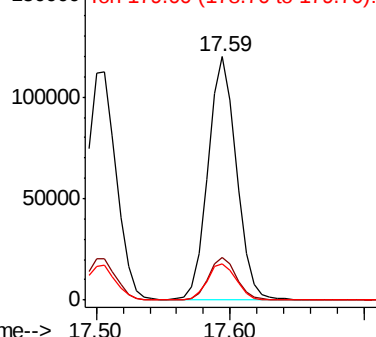


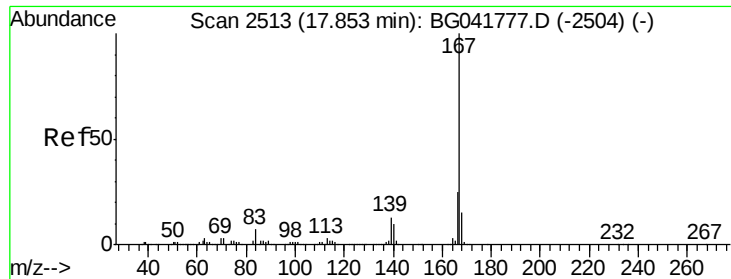
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





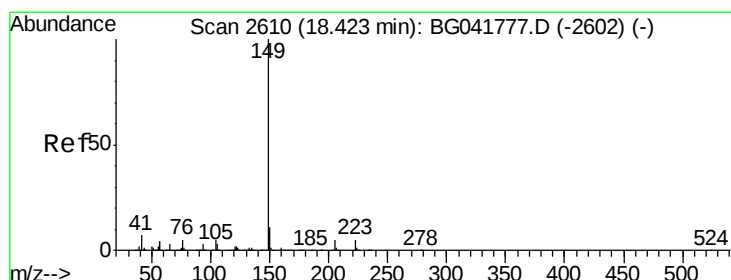
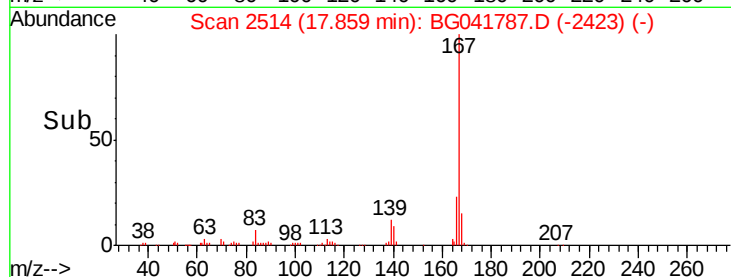
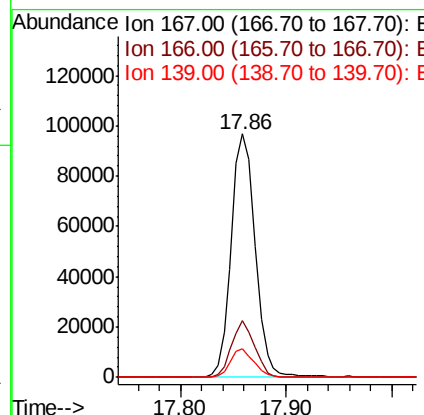
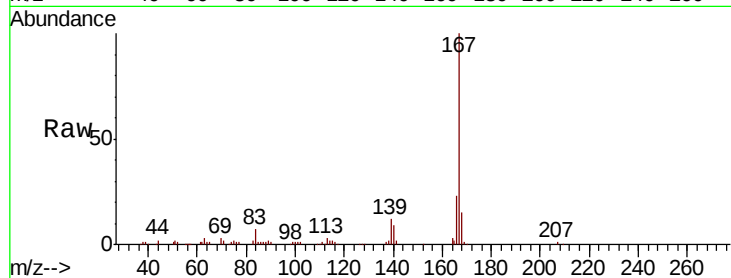
#73
 Carbazole
 Concen: 5.488 ng
 RT: 17.86 min Scan# 2514
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.2	21.4	32.2
139	11.8	12.1	18.1

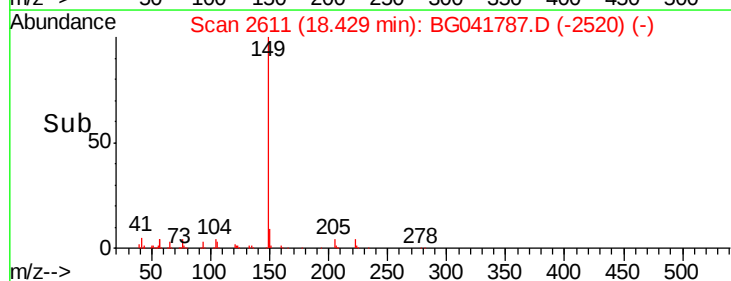
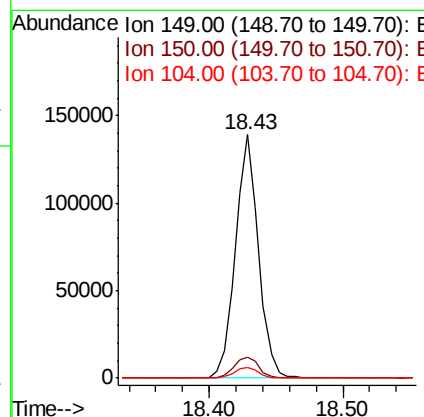
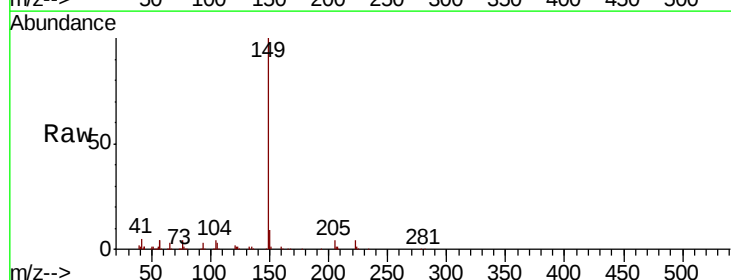
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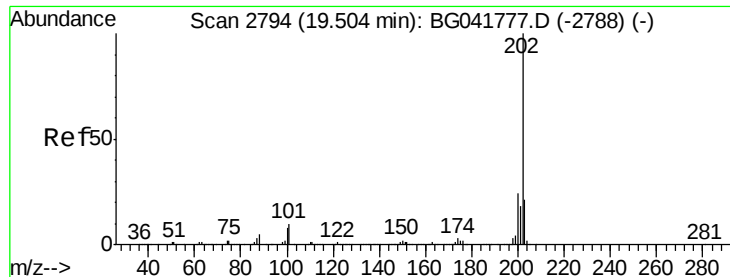
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#74
 Di-n-butylphthalate
 Concen: 5.315 ng
 RT: 18.43 min Scan# 2611
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.8	10.2	15.2
104	4.4	5.3	7.9





#75

Fluoranthene

Concen: 5.771 ng

RT: 19.52 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

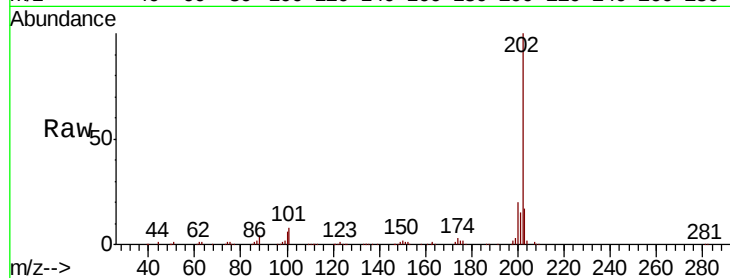
ClientSampleId :

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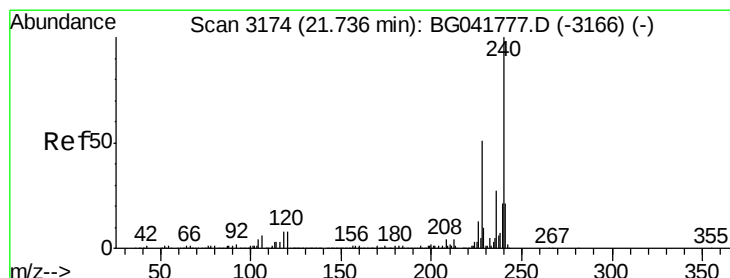
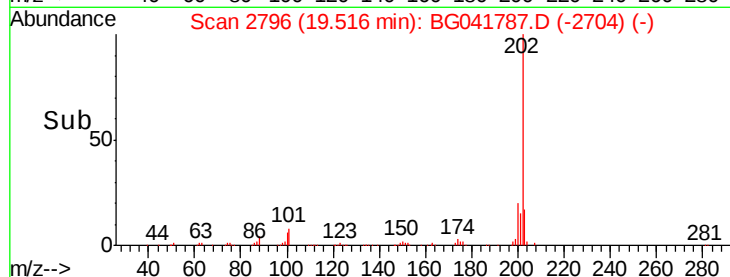
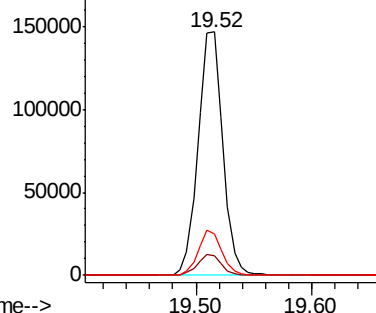
Tot Ion	Ratio	Resp	Lower	Upper
202	100	217133		
101	7.8	0.0	32.8	
203	17.2	3.7	43.7	

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



#76

Chrysene-d12

Concen: 20.000 ng

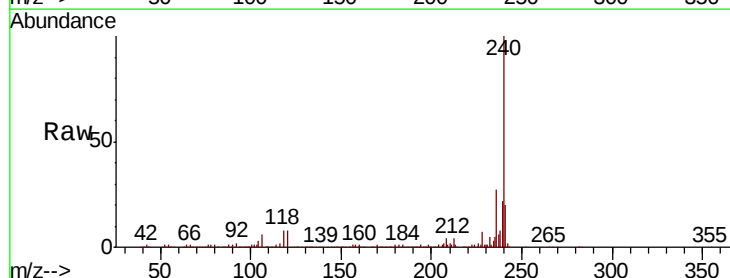
RT: 21.74 min Scan# 3175

Delta R.T. 0.01 min

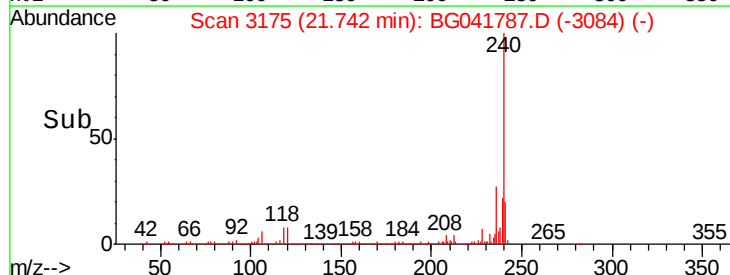
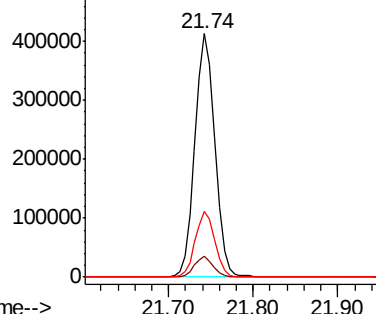
Lab File: BG041787.D

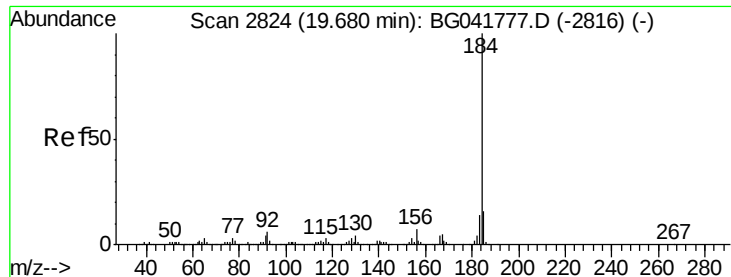
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	674819		
120	8.4	8.0	12.0	
236	27.2	22.6	33.8	



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





#77

Benzidine

Concen: 4.398 ng

RT: 19.69 min Scan# 2825

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

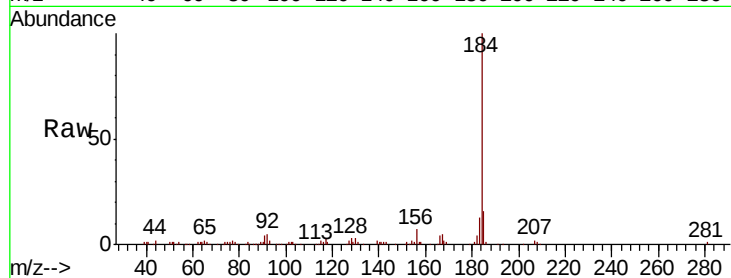
ClientSampleId :

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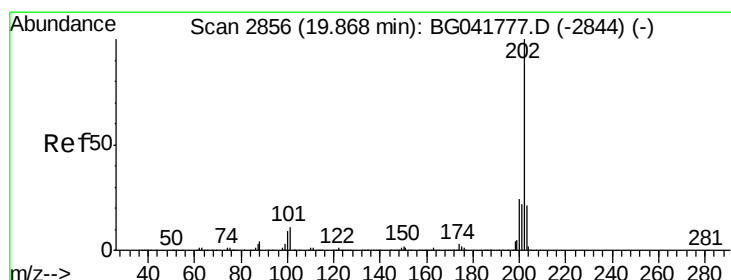
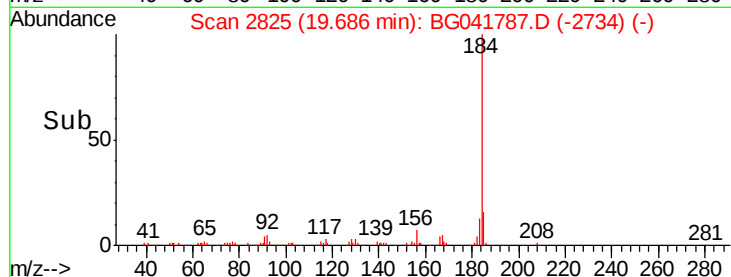
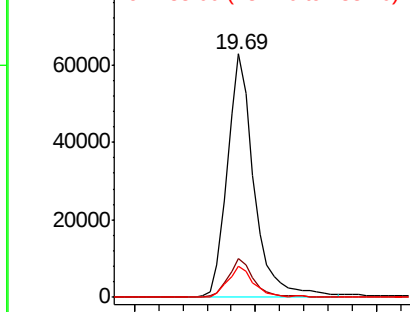
Tot Ion:	184	Resp:	96878
Ion Ratio	Lower	Upper	
184	100		
185	16.0	13.0	19.4
183	12.6	11.8	17.6

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



#78

Pyrene

Concen: 5.714 ng

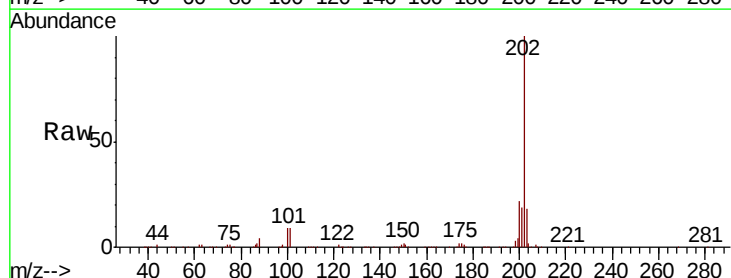
RT: 19.87 min Scan# 2857

Delta R.T. 0.01 min

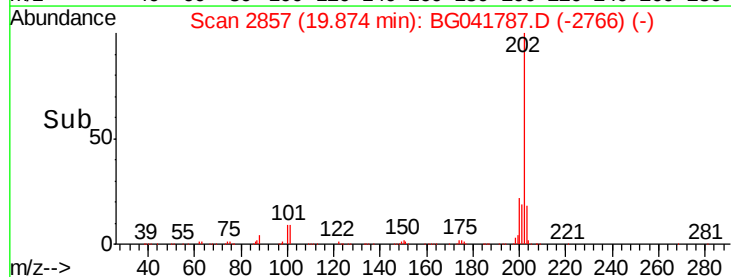
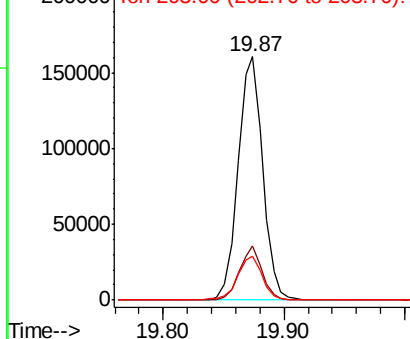
Lab File: BG041787.D

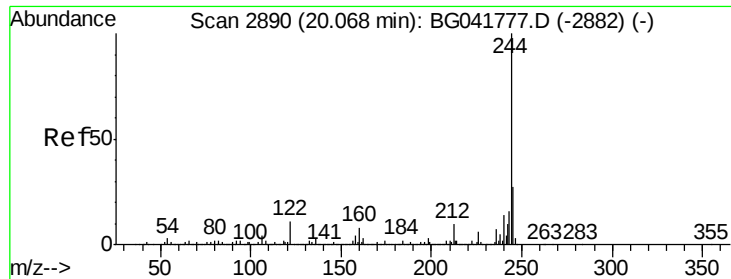
Acq: 29 Jul 2019 13:36

Tgt Ion:	202	Resp:	228472
Ion Ratio	Lower	Upper	
202	100		
200	22.2	22.2	33.2
203	18.1	18.9	28.3#



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





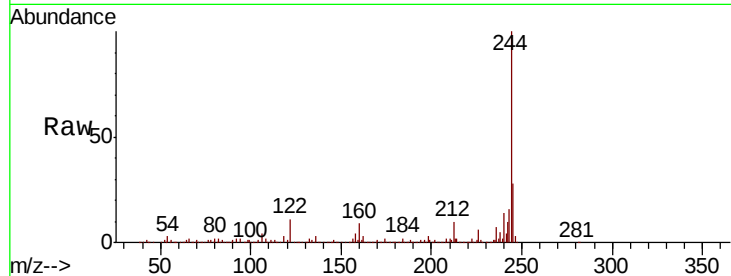
#79
 Terphenyl-d14
 Concen: 72.917 ng
 RT: 20.07 min Scan# 2891
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

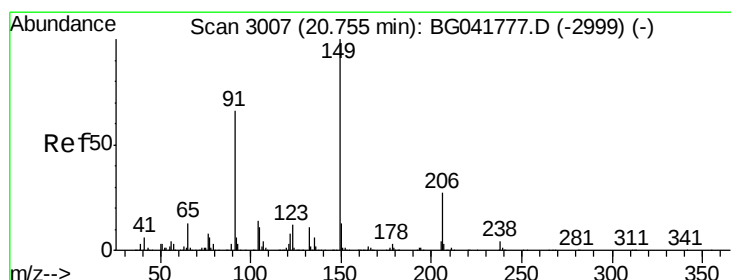
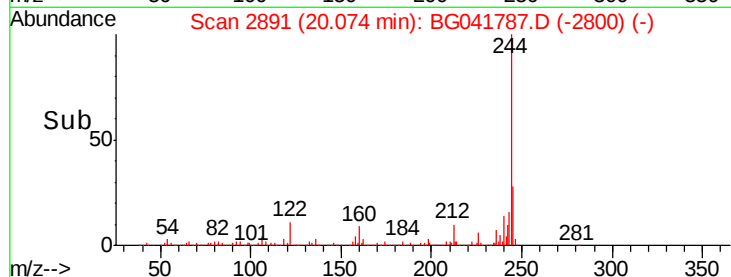
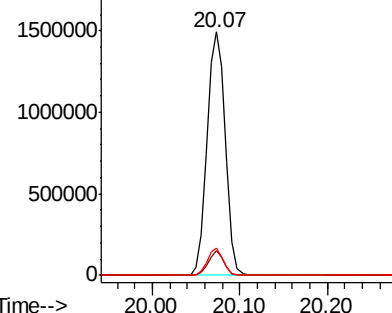
Tot Ion	Ratio	Lower	Upper
244	100		
212	10.0	9.7	14.5
122	11.5	12.5	18.7#

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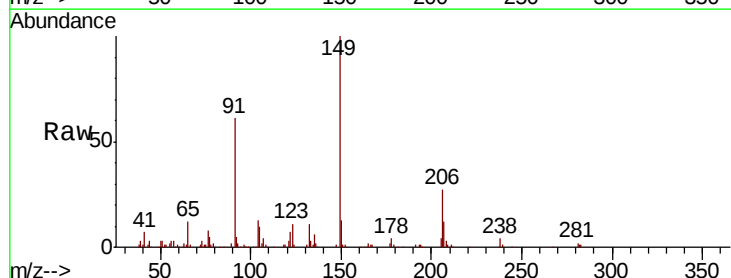


Abundance Ion 244.00 (243.70 to 244.70): E
 2000000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

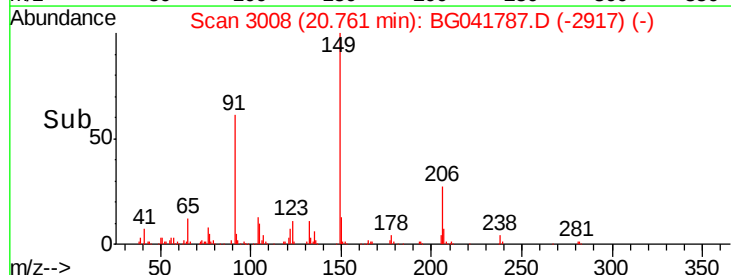
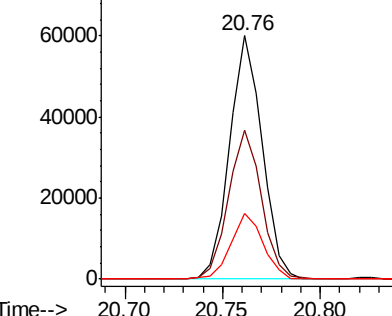


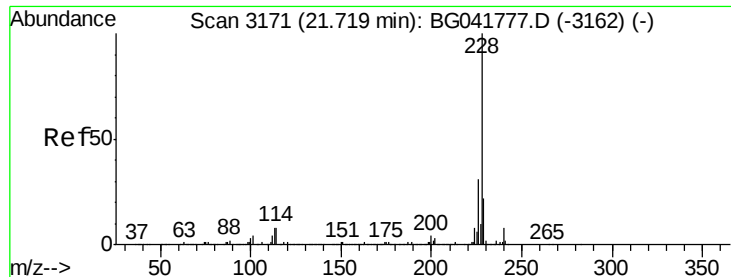
#80
 Butylbenzylphthalate
 Concen: 4.524 ng
 RT: 20.76 min Scan# 3008
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
149	100		
91	61.4	58.9	88.3
206	27.0	20.8	31.2



Abundance Ion 149.00 (148.70 to 149.70): E
 80000 Ion 91.00 (90.70 to 91.70): BG
 Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 5.417 ng

RT: 21.72 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

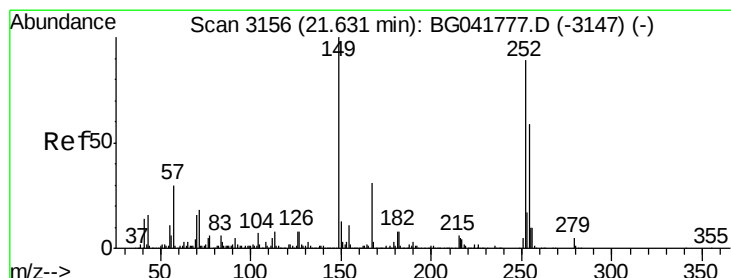
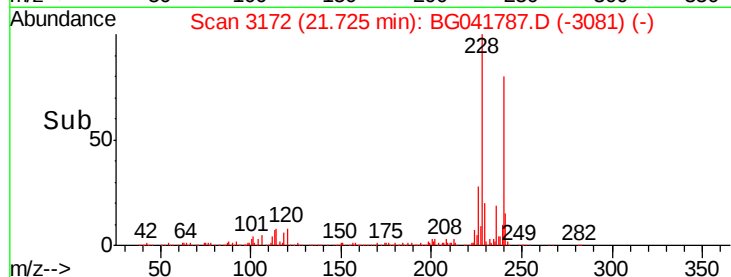
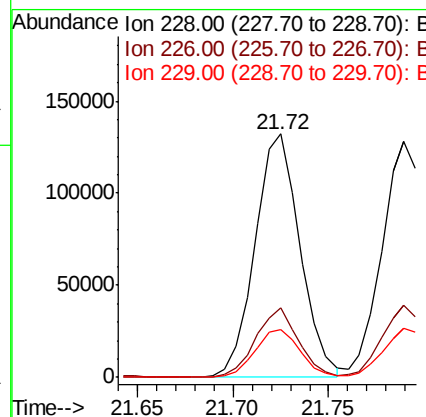
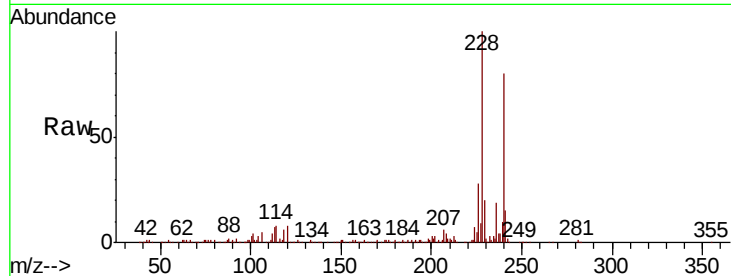
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	27.3	40.9
229	19.6	19.7	29.5#

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#82

3,3'-Dichlorobenzidine

Concen: 4.883 ng

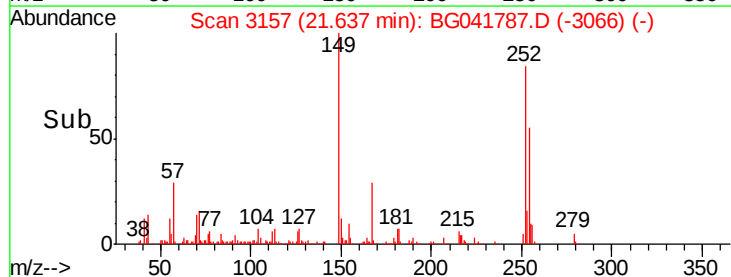
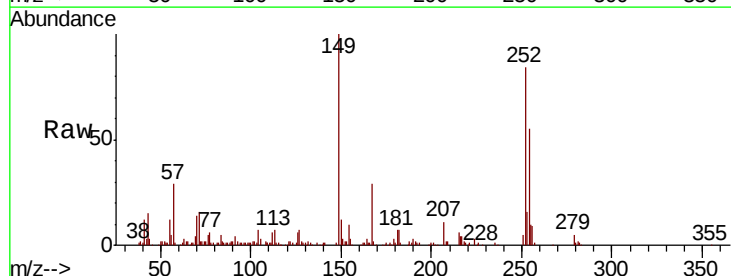
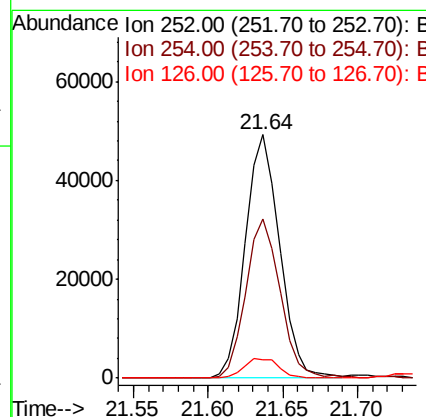
RT: 21.64 min Scan# 3157

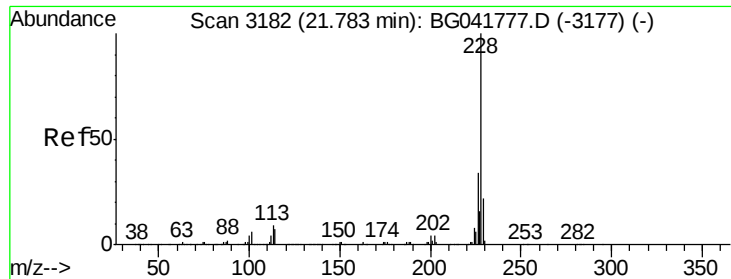
Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.5	53.8	80.6
126	7.8	7.8	11.8#





#83

Chrysene

Concen: 5.488 ng

RT: 21.79 min Scan# 3183

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

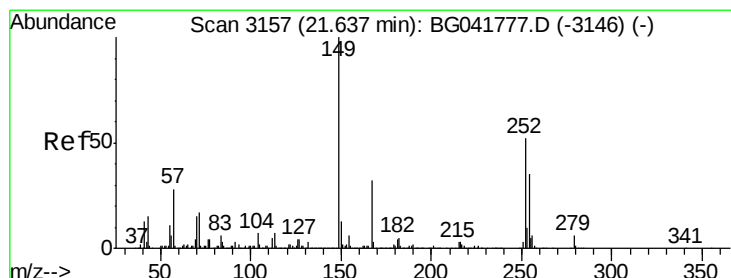
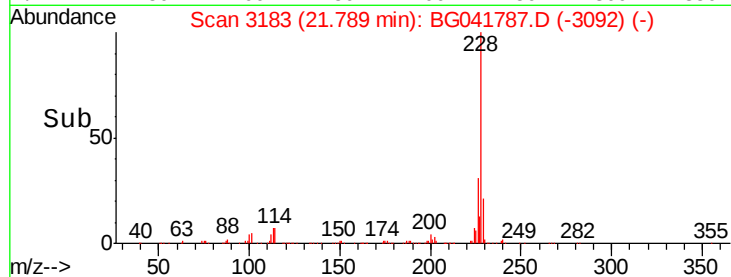
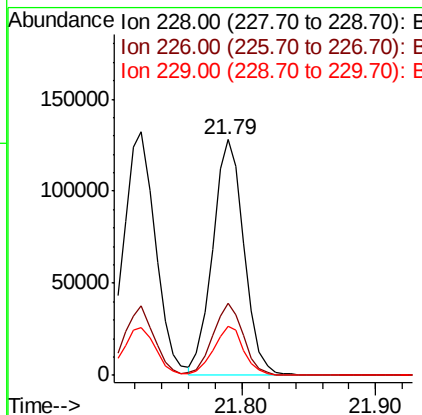
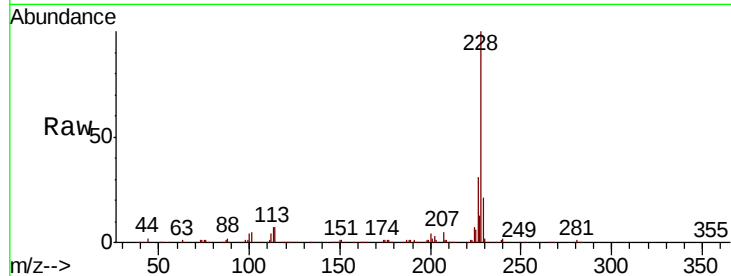
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	228	Resp:	210021
Ion Ratio	Lower	Upper	
228	100		
226	30.7	30.1	45.1
229	20.8	19.8	29.6

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#84

Bis(2-ethylhexyl)phthalate

Concen: 4.926 ng

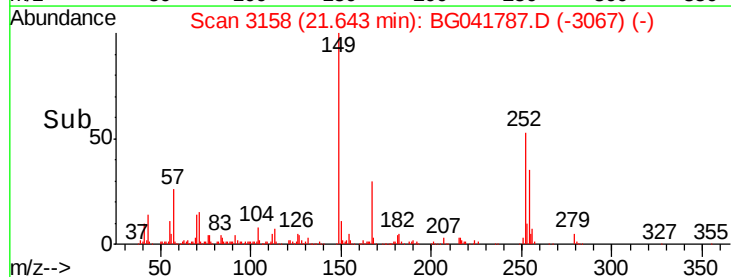
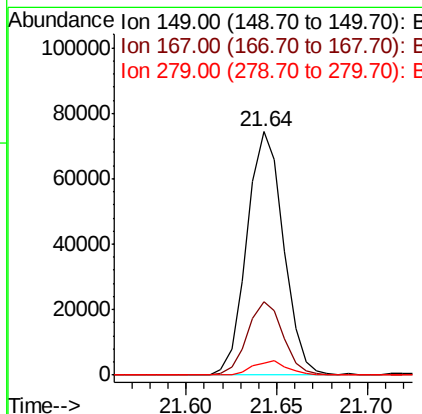
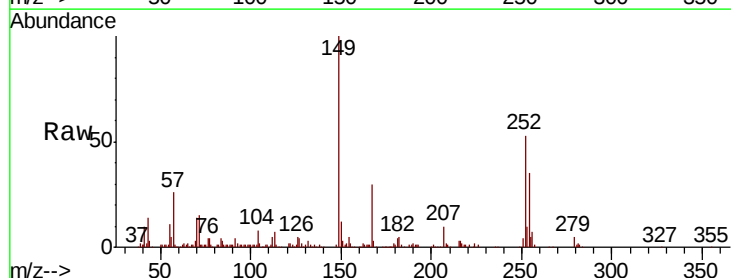
RT: 21.64 min Scan# 3158

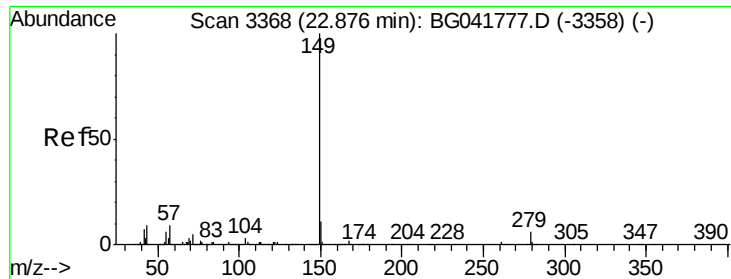
Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tgt Ion:	149	Resp:	104155
Ion Ratio	Lower	Upper	
149	100		
167	30.4	27.0	40.4
279	5.1	5.0	7.6





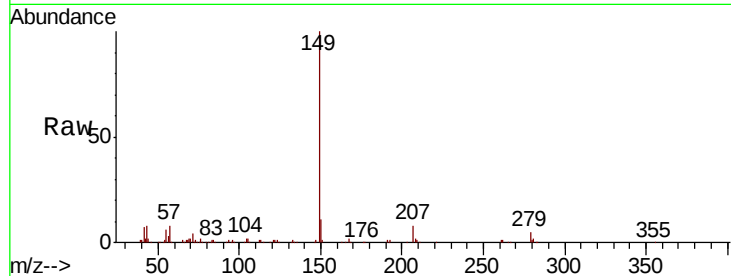
#85
Di-n-octyl phthalate
Concen: 4.712 ng
RT: 22.88 min Scan# 3369
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.7	1.6	2.4	
43	8.5	10.6	16.0	

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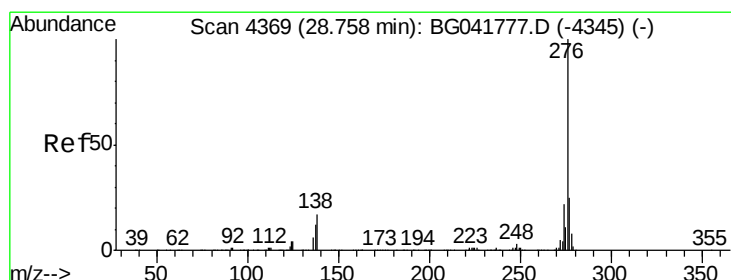
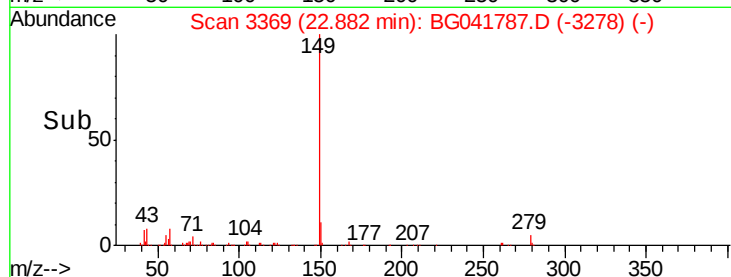
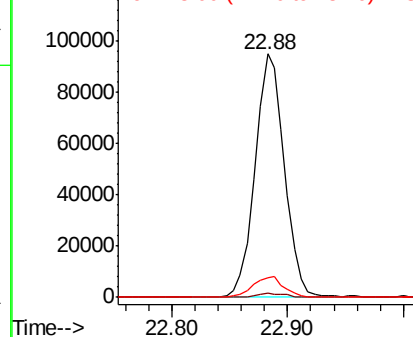


Abundance

Ion 149.00 (148.70 to 149.70): E

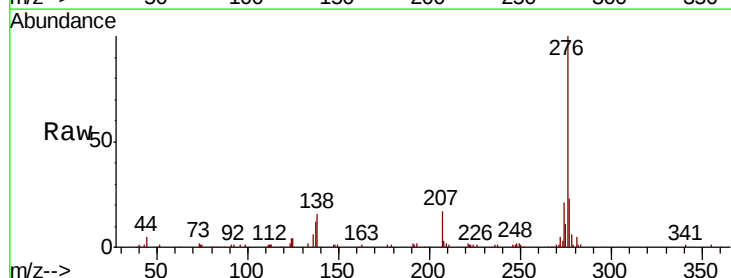
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.636 ng
RT: 28.76 min Scan# 4369
Delta R.T. 0.00 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	13.4	19.4	29.0	
277	25.6	21.2	31.8	

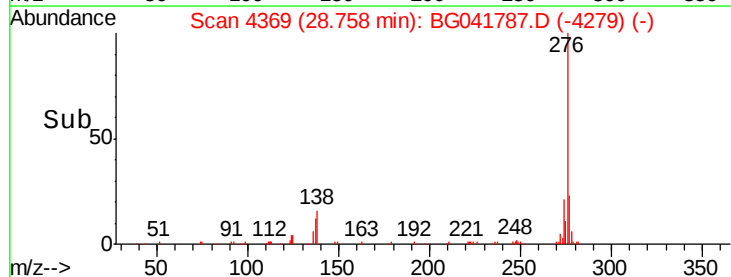
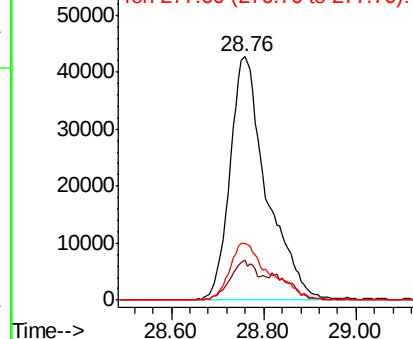


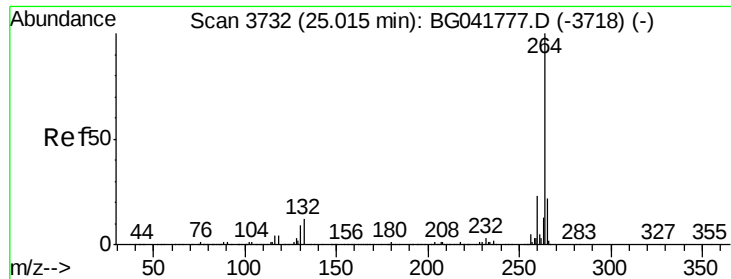
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





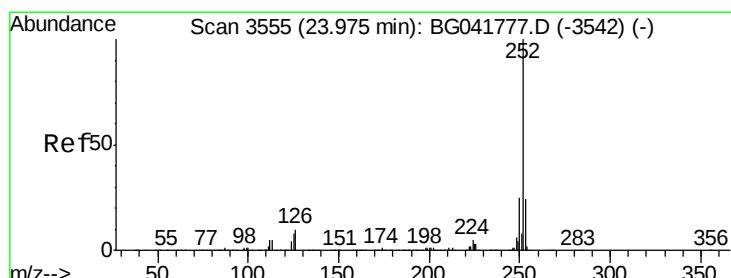
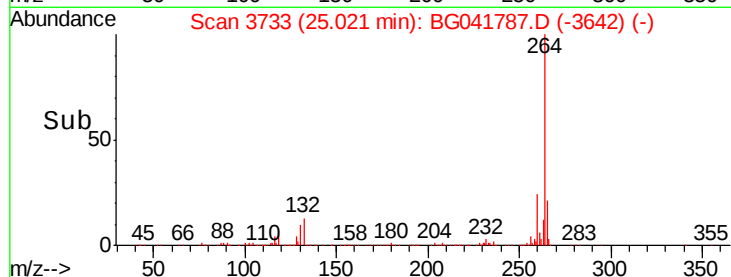
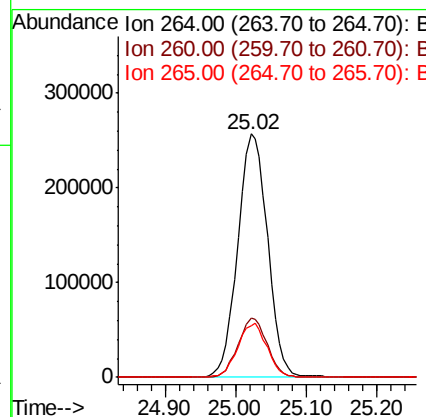
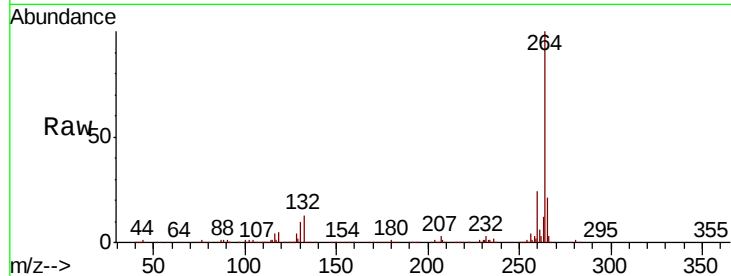
#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3733
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.4	18.0	27.0

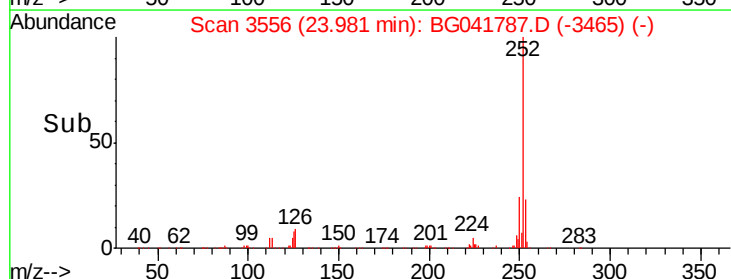
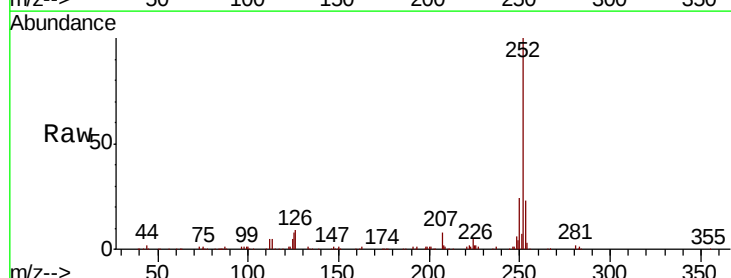
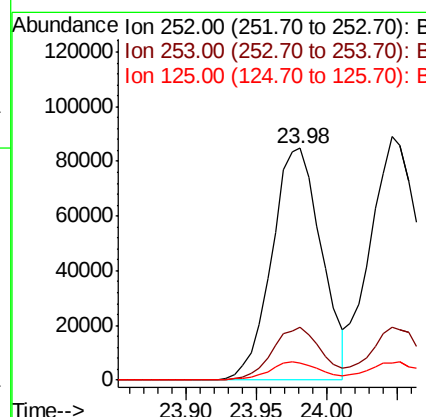
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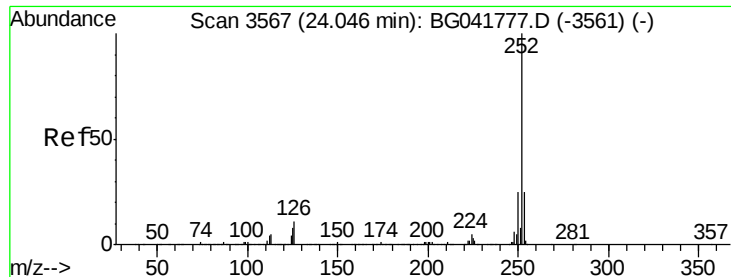
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#88
Benzo(b)fluoranthene
Concen: 5.049 ng
RT: 23.98 min Scan# 3556
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	20.6	30.8
125	7.6	8.0	12.0





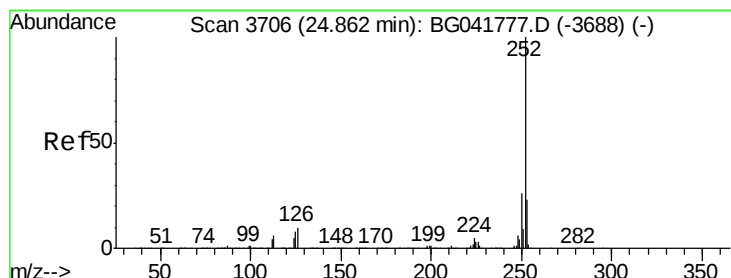
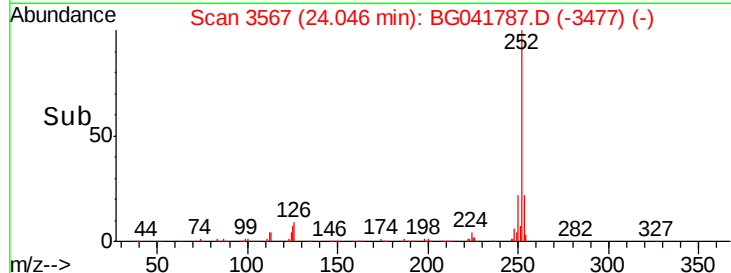
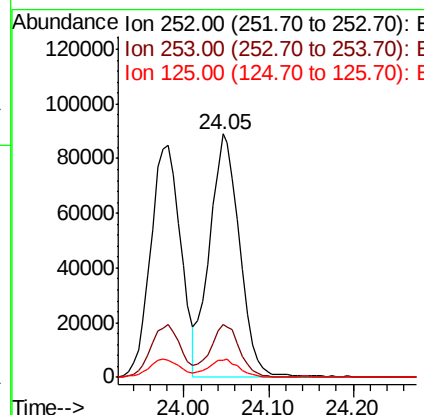
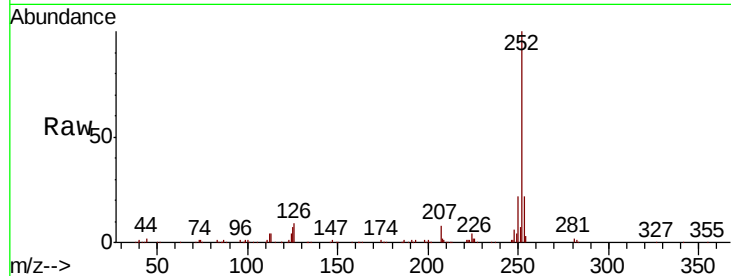
#89
Benzo(k)fluoranthene
Concen: 5.488 ng
RT: 24.05 min Scan# 3567
Delta R.T. 0.00 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.7	20.5	30.7
125	7.2	8.4	12.6

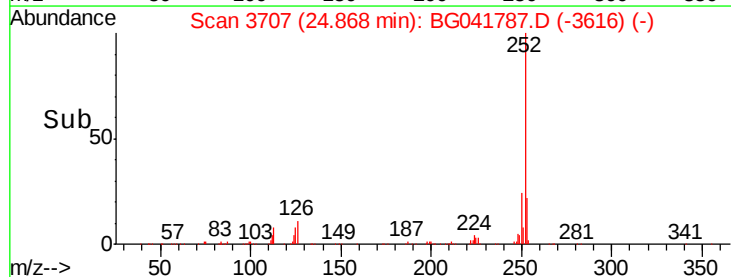
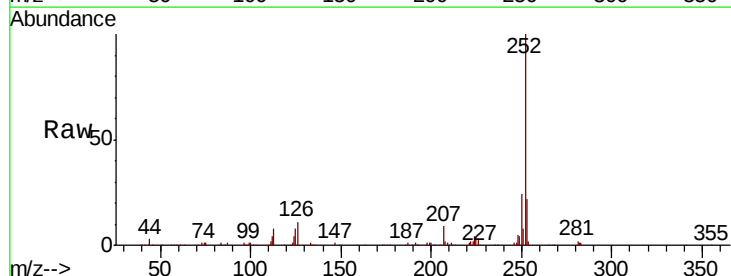
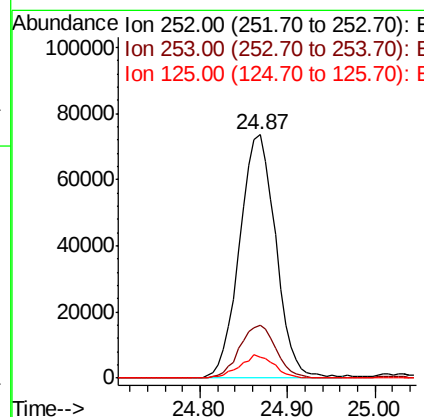
Manual Integrations
APPROVED

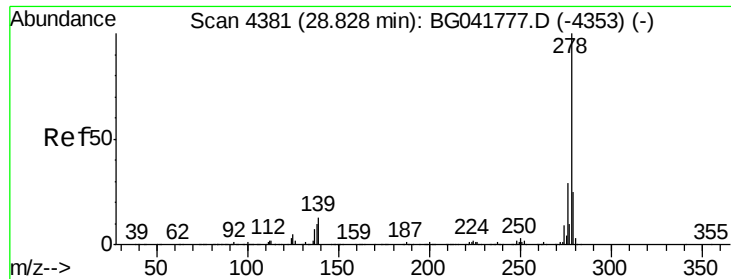
mohammad
7/30/2019 4:52:24 PM



#90
Benzo(a)pyrene
Concen: 5.229 ng
RT: 24.87 min Scan# 3707
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	19.8	29.8
125	8.5	8.8	13.2





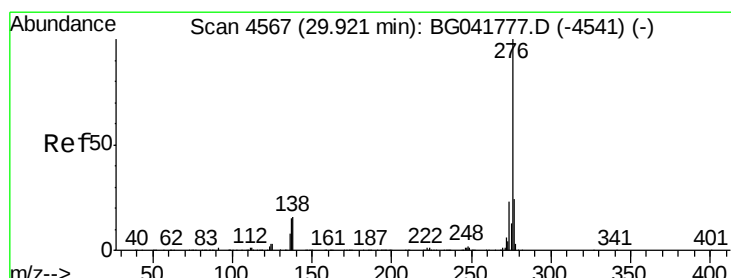
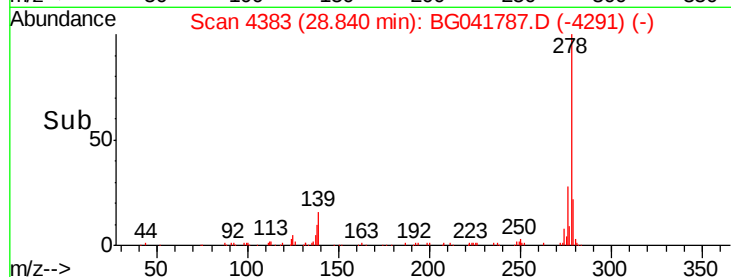
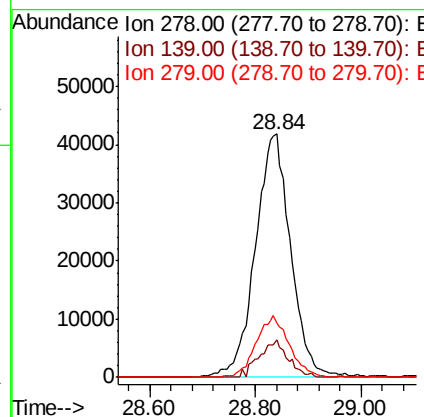
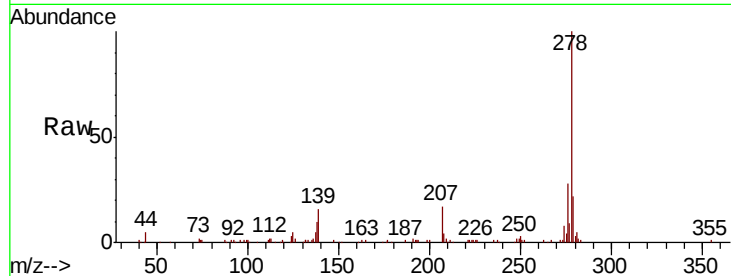
#91
Dibenzo(a,h)anthracene
Concen: 4.978 ng
RT: 28.84 min Scan# 4383
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.6	19.0
279	22.3	20.5	30.7

Manual Integrations
APPROVED

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#92
Benzo(g,h,i)perylene
Concen: 4.952 ng
RT: 29.93 min Scan# 4569
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	19.8	19.8	29.8#
138	16.2	16.6	25.0#

