

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082021\
 Data File : BG049909.D
 Acq On : 20 Aug 2021 14:24
 Operator : CG/JU
 Sample : M2250-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT3-2021-06

Manual Integrations
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Quant Time: Aug 20 14:59:20 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 20 10:07:50 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.977	152	22245	20.000	ng/u1	0.00
20) Naphthalene-d8	10.803	136	94380	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.639	164	68877	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.394	188	158901	20.000	ng/u1	0.00
79) Chrysene-d12	21.665	240	183250	20.000	ng/u1	0.00
88) Perylene-d12	24.896	264	178428	20.000	ng/u1	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.348	96	2355	5.459	ng/uL	0.00
4) Pyridine-d5	3.777	84	22317	17.175	ng/u1	0.00
7) Phenol-d5	7.143	99	43121	22.828	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.302	67	26181	24.948	ng/u1	0.00
11) 2-Chlorophenol-d4	7.513	132	32803	23.209	ng/u1	0.00
15) 4-Methylphenol-d8	8.700	113	33612	22.594	ng/u1	0.00
21) Nitrobenzene-d5	9.152	128	16818	22.985	ng/u1	0.00
24) 2-Nitrophenol-d4	9.875	143	20460	23.483	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.427	165	33764	21.727	ng/u1	0.00
31) 4-Chloroaniline-d4	10.938	131	45674	21.593	ng/u1	0.00
46) Dimethylphthalate-d6	14.040	166	120754	22.908	ng/u1	0.00
49) Acenaphthylene-d8	14.333	160	135368	21.902	ng/u1	0.00
54) 4-Nitrophenol-d4	14.856	143	15240	19.983	ng/u1	0.00
60) Fluorene-d10	15.632	176	102620	22.961	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.761	200	20866	20.411	ng/u1	0.00
73) Anthracene-d10	17.488	188	167151	23.425	ng/u1	0.00
81) Pyrene-d10	19.779	212	210160	21.223	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.666	264	227566	24.040	ng/u1	0.00

Target Compounds	Qvalue					
2) 1,4-Dioxane	3.384	88	681m	1.295	ng/uL	
5) Pyridine	3.795	79	4723m	3.363	ng/u1	
6) Benzaldehyde	7.120	77	5840	5.372	ng/u1#	84
8) Phenol	7.173	94	6931	3.633	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.396	93	4753	3.609	ng/u1	93
12) 2-Chlorophenol	7.548	128	5252	3.760	ng/u1#	79
13) 2-Methylphenol	8.436	108	5380	3.655	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.518	45	5771m	4.178	ng/u1	
16) Acetophenone	8.812	105	9348	3.853	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.788	70	5121	4.204	ng/u1#	87
18) 4-Methylphenol	8.770	108	6028	3.807	ng/u1#	75
19) Hexachloroethane	9.064	117	2518	4.120	ng/u1	89
22) Nitrobenzene	9.199	77	8061	4.066	ng/u1#	81
23) Isophorone	9.716	82	13839	3.918	ng/u1	96
25) 2-Nitrophenol	9.916	139	3256	3.844	ng/u1	92
26) 2,4-Dimethylphenol	9.975	107	7799	4.143	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.204	93	6490	3.558	ng/u1	97
29) 2,4-Dichlorophenol	10.462	162	4939	3.463	ng/u1#	85
30) Naphthalene	10.856	128	17510	3.712	ng/u1#	91
32) 4-Chloroaniline	10.967	127	7661	3.761	ng/u1#	75
33) Hexachlorobutadiene	11.132	225	4188	3.630	ng/u1#	84
34) Caprolactam	11.743	113	1797m	3.597	ng/u1	
35) 4-Chloro-3-methylphenol	12.107	107	6231m	3.655	ng/u1	
36) 2-Methylnaphthalene	12.465	142	13671	3.899	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.677	142	13146	3.714	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.835	216	7903	3.907	ng/ul#	83
40) Hexachlorocyclopentadiene	12.812	237	3885	4.291	ng/ul#	92
41) 2,4,6-Trichlorophenol	13.082	196	4397	3.411	ng/ul	83
42) 2,4,5-Trichlorophenol	13.159	196	4186m	3.098	ng/ul	
43) 1,1'-Biphenyl	13.470	154	17610	3.660	ng/ul	97
44) 2-Chloronaphthalene	13.517	162	13298	3.440	ng/ul	96
45) 2-Nitroaniline	13.723	65	5044	3.844	ng/ul#	74
47) Dimethylphthalate	14.087	163	18930	3.629	ng/ul#	96
48) 2,6-Dinitrotoluene	14.210	165	3901	3.622	ng/ul#	85
50) Acenaphthylene	14.363	152	21970	3.889	ng/ul	97
51) 3-Nitroaniline	14.551	138	3445	3.315	ng/ul#	64
52) Acenaphthene	14.704	153	14404	3.515	ng/ul	96
53) 2,4-Dinitrophenol	14.774	184	2174	3.952	ng/ul#	77
55) 4-Nitrophenol	14.868	109	4412	4.563	ng/ul#	86
56) Dibenzofuran	15.038	168	21856	3.852	ng/ul	97
57) 2,4-Dinitrotoluene	15.009	165	5416	3.496	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.279	232	3887	3.472	ng/ul#	73
59) Diethylphthalate	15.450	149	20346	3.812	ng/ul#	94
61) Fluorene	15.685	166	17555	3.667	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.679	204	9298	3.671	ng/ul	90
63) 4-Nitroaniline	15.714	138	4058	3.913	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.773	198	3202	3.456	ng/ul#	73
67) N-Nitrosodiphenylamine	15.890	169	15864	3.792	ng/ul	98
68) 4-Bromophenyl-phenylether	16.572	248	6687	3.804	ng/ul	92
69) Hexachlorobenzene	16.695	284	7572	3.730	ng/ul	93
70) Atrazine	16.836	200	7247	3.899	ng/ul#	90
71) Pentachlorophenol	17.059	266	3176	3.695	ng/ul	87
72) Phenanthrene	17.429	178	30186	3.811	ng/ul	99
74) Anthracene	17.523	178	31951	3.980	ng/ul#	94
75) 1,2,3,4-Tetrachloroben...	13.441	216	7426	3.483	ng/ul#	88
76) Pentachlorobenzene	14.962	250	7939	3.514	ng/ul	93
77) Carbazole	17.799	167	28501	3.990	ng/ul	93
78) Di-n-butylphthalate	18.346	149	36353	3.979	ng/ul#	97
80) Fluoranthene	19.444	202	40760	3.336	ng/ul#	95
82) Pyrene	19.808	202	40861	3.374	ng/ul	100
83) Butylbenzylphthalate	20.684	149	16838	3.524	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.559	252	15204	3.500	ng/ul	94
85) Benzo(a)anthracene	21.641	228	42669	3.737	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.535	149	22961	3.499	ng/ul#	98
87) Chrysene	21.712	228	41680	3.862	ng/ul	95
89) Di-n-octyl phthalate	22.746	149	38705	3.657	ng/ul	100
90) Benzo(b)fluoranthene	23.862	252	43111	3.777	ng/ul#	98
91) Benzo(k)fluoranthene	23.932	252	41423	3.818	ng/ul	98
93) Benzo(a)pyrene	24.737	252	36165	3.649	ng/ul#	99
94) Indeno(1,2,3-cd)pyrene	28.567	276	46484m	3.555	ng/ul	
95) Dibenzo(a,h)anthracene	28.643	278	37693m	3.444	ng/ul	
96) Benzo(g,h,i)perylene	29.736	276	38666m	3.518	ng/ul	

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

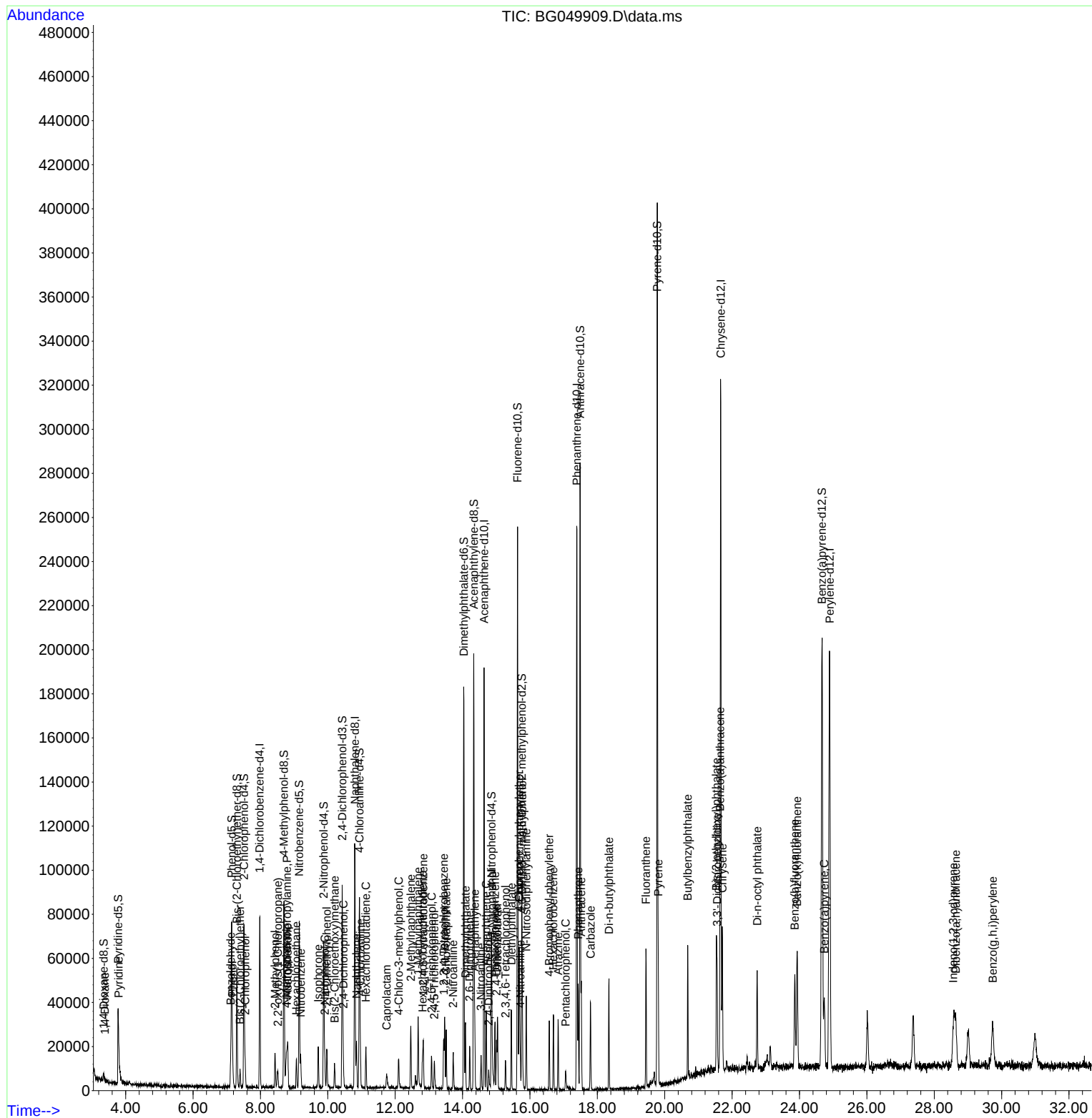
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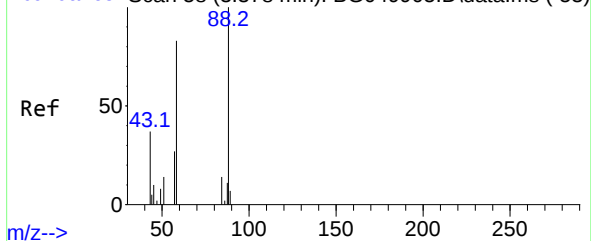
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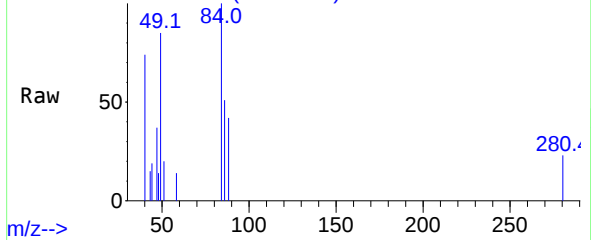
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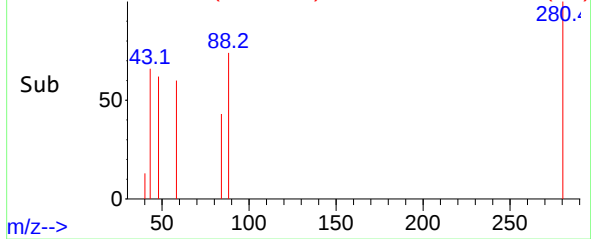
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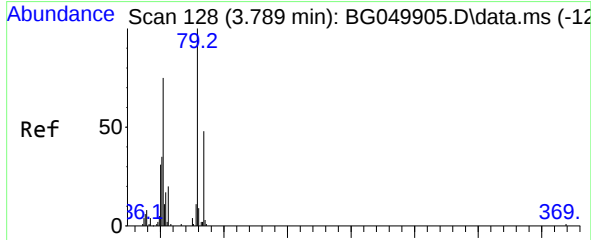
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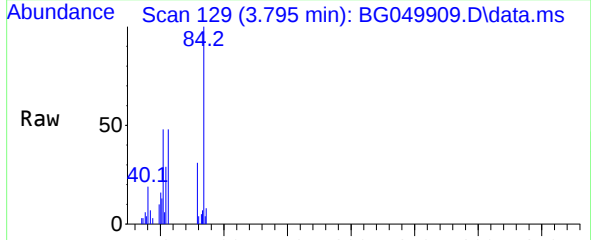
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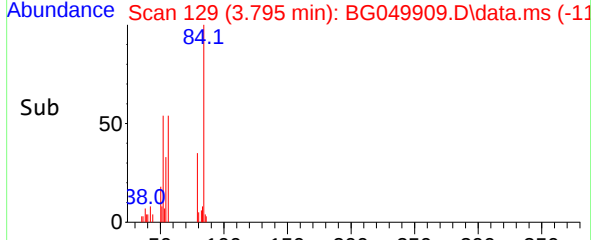
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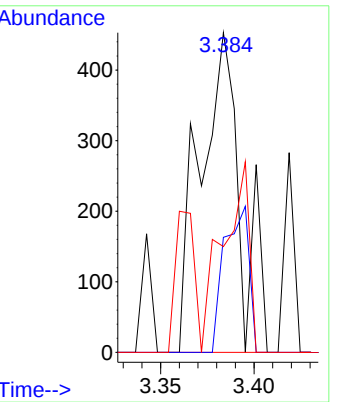
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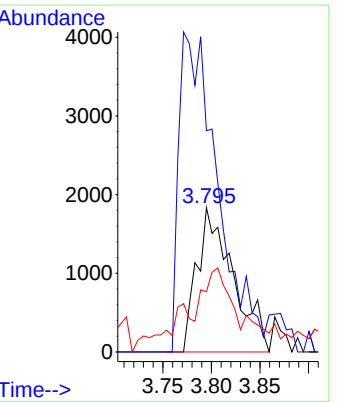
#2
1,4-Dioxane
Concen: 1.295 ng/uL m
RT: 3.384 min Scan# 59
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:	88	Resp:	681
Ion	Ratio	Lower	Upper
88	100		
43	36.0	21.6	32.4#
58	33.1	52.0	78.0#



#5
Pyridine
Concen: 3.363 ng/uL m
RT: 3.795 min Scan# 129
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

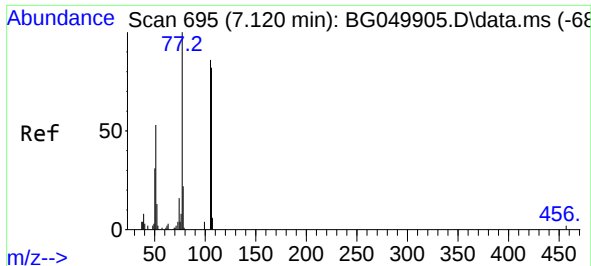
Tgt Ion:	79	Resp:	4723
Ion	Ratio	Lower	Upper
79	100		
52	153.4	61.1	91.7#
51	41.8	34.8	52.2



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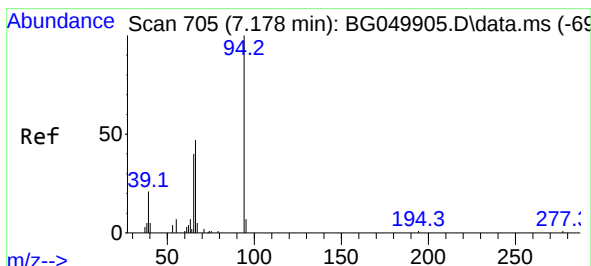
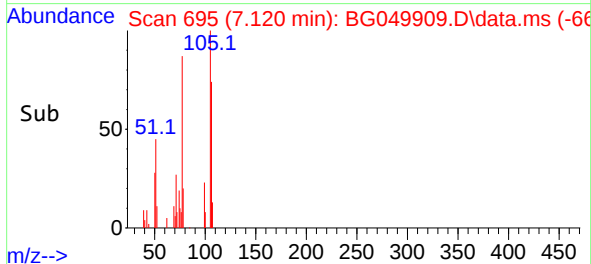
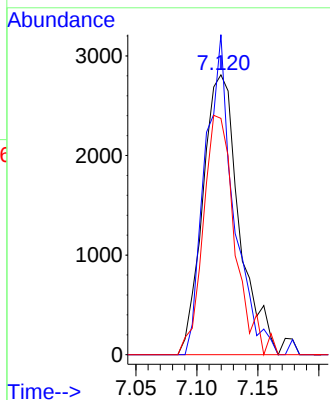
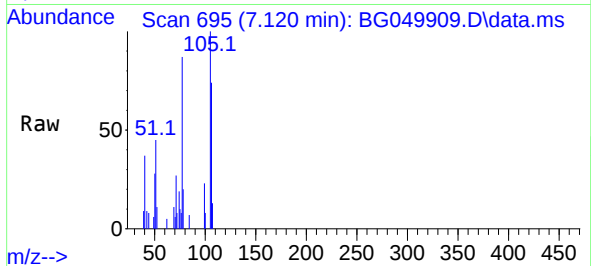
#6
Benzaldehyde
Concen: 5.372 ng/ul
RT: 7.120 min Scan# 695
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion: 77 Resp: 5840
Ion Ratio Lower Upper
77 100
105 114.3 72.3 108.5#
106 84.4 72.3 108.5

Instrument :
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ClientSampleId :
MDL-SOIL-QT3-2021-06

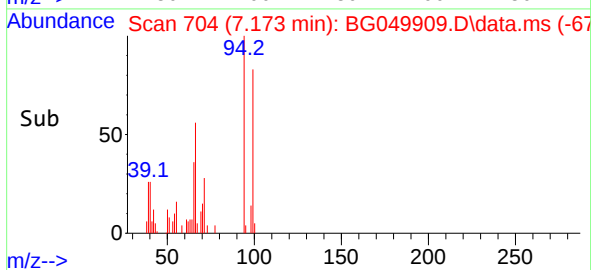
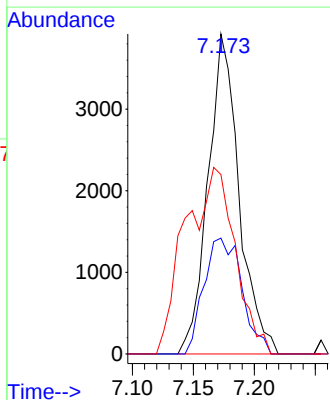
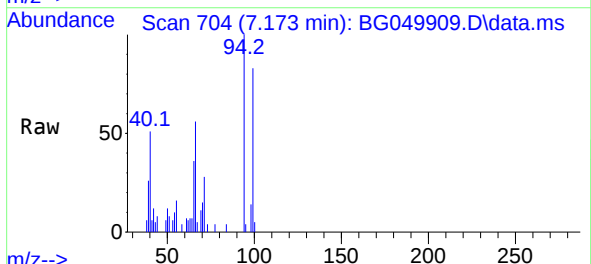
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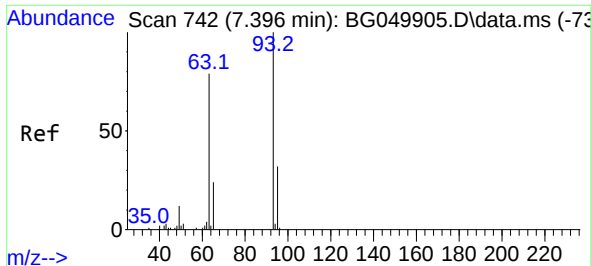
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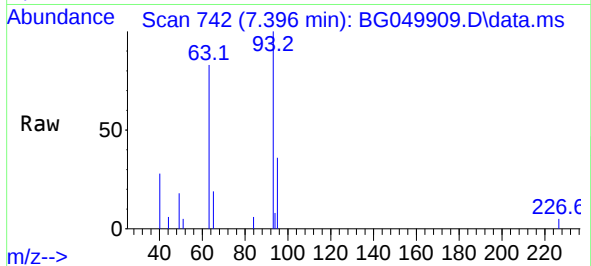
#8
Phenol
Concen: 3.633 ng/ul
RT: 7.173 min Scan# 704
Delta R.T. -0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion: 94 Resp: 6931
Ion Ratio Lower Upper
94 100
65 36.2 27.7 41.5
66 56.1 39.0 58.4

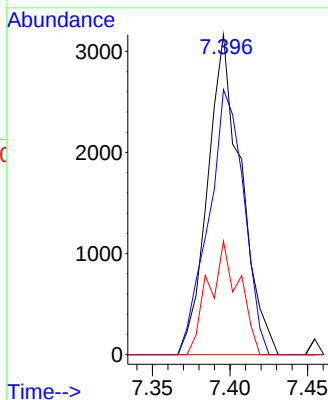
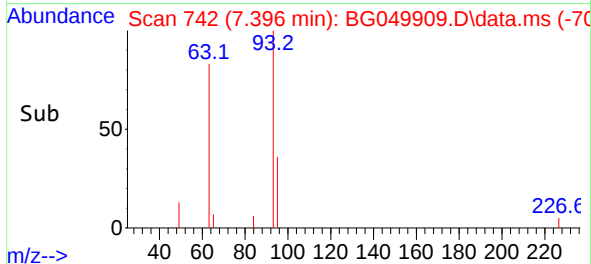




#10
Bis(2-Chloroethyl)ether
Concen: 3.609 ng/ul
RT: 7.396 min Scan# 742
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



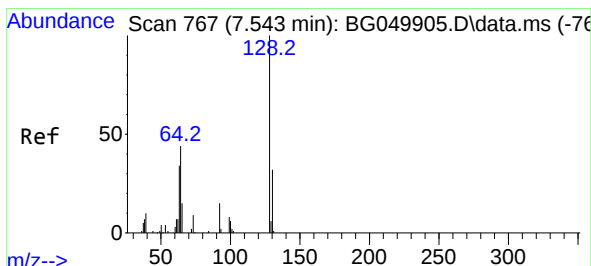
Tgt Ion:	93	Resp:	4753
Ion	Ratio	Lower	Upper
93	100		
63	82.8	59.9	89.9
95	35.5	27.6	41.4



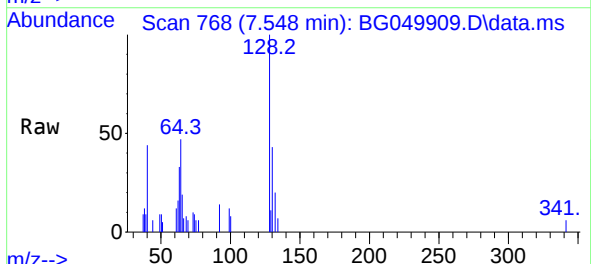
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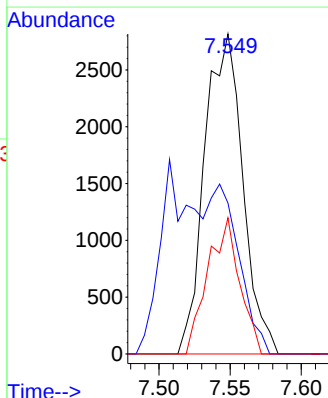
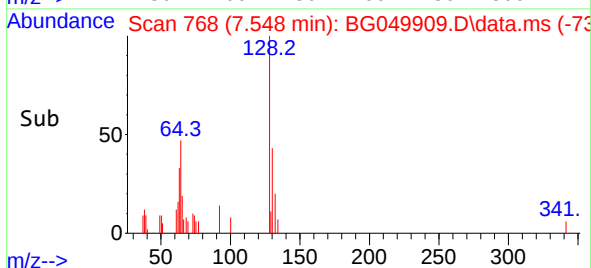
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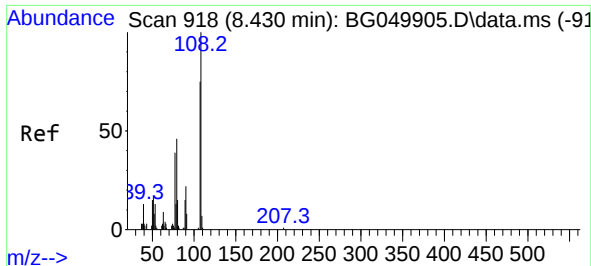


#12
2-Chlorophenol
Concen: 3.760 ng/ul
RT: 7.548 min Scan# 768
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



Tgt Ion:	128	Resp:	5252
Ion	Ratio	Lower	Upper
128	100		
64	47.1	28.0	42.0#
130	42.5	24.4	36.6#





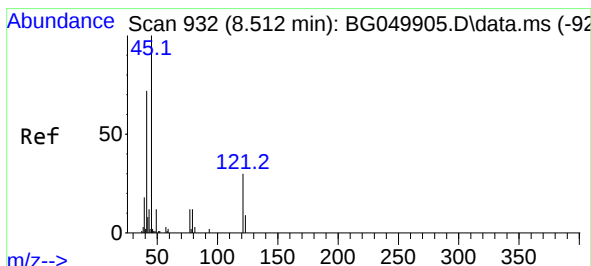
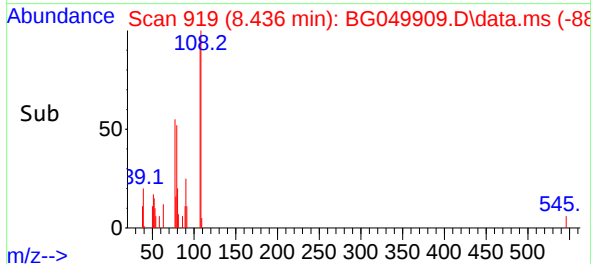
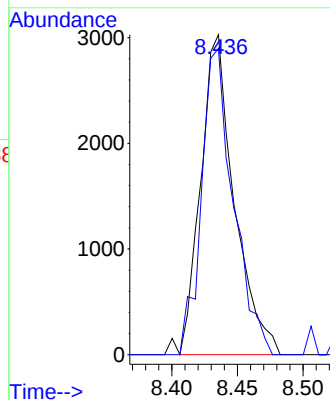
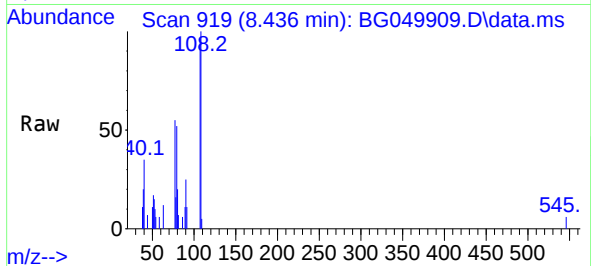
#13
2-Methylphenol
Concen: 3.655 ng/ul
RT: 8.436 min Scan# 919
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion: 108 Resp: 5380
Ion Ratio Lower Upper
108 100
107 95.7 71.0 106.4

Instrument :
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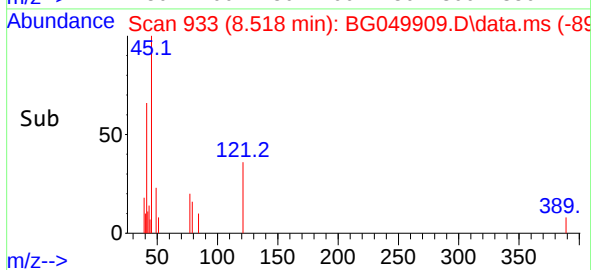
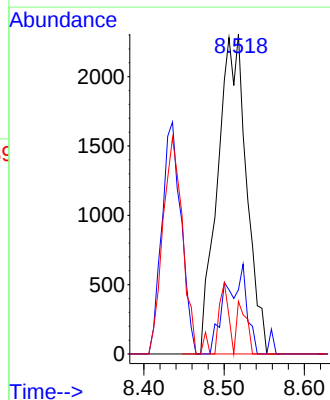
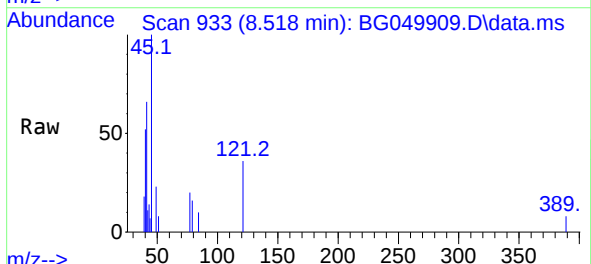
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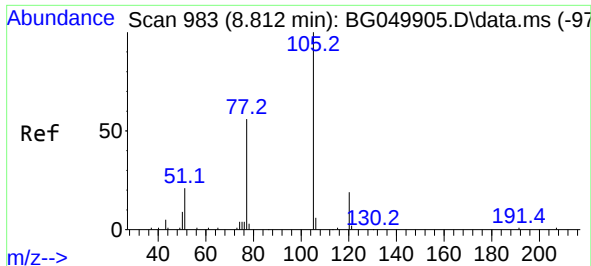
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#14
2,2'-oxybis(1-Chloropropane)
Concen: 4.178 ng/ul m
RT: 8.518 min Scan# 933
Delta R.T. 0.006 min
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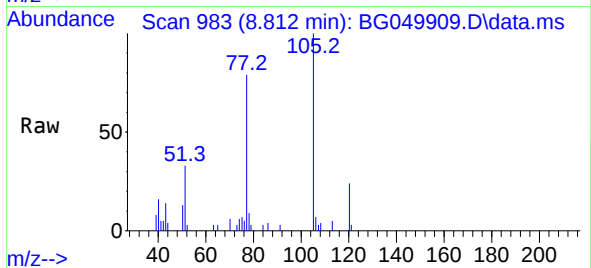
Tgt Ion: 45 Resp: 5771
Ion Ratio Lower Upper
45 100
77 20.1 16.9 25.3
79 16.5 11.0 16.4#





#16
Acetophenone
Concen: 3.853 ng/ul
RT: 8.812 min Scan# 983
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

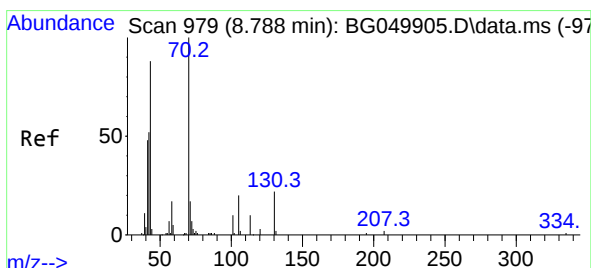
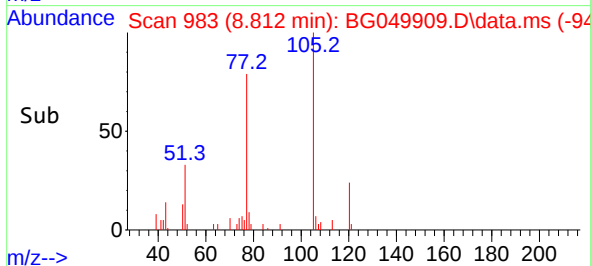
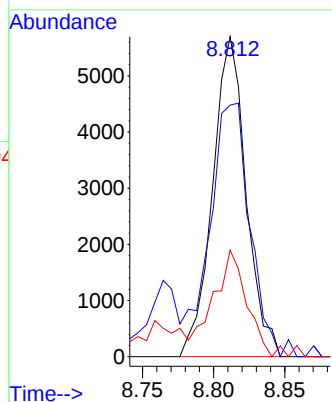
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-06



Tgt Ion:	105	Resp:	9348
Ion	Ratio	Lower	Upper
105	100		
77	78.6	67.7	101.5
51	33.3	25.3	37.9

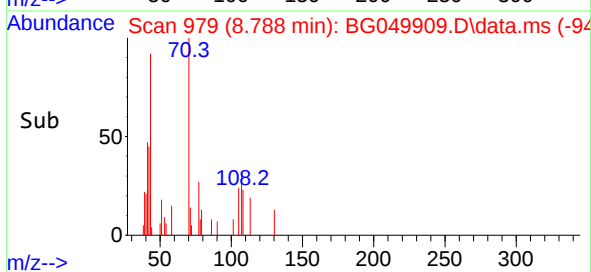
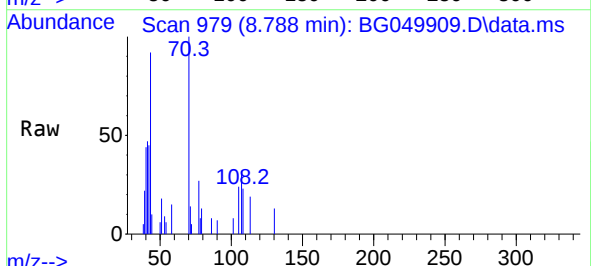
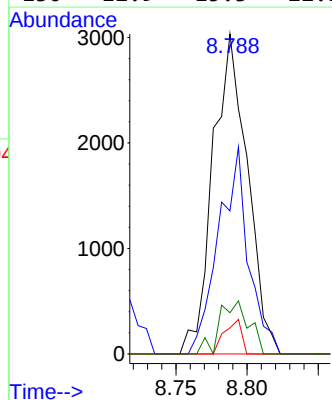
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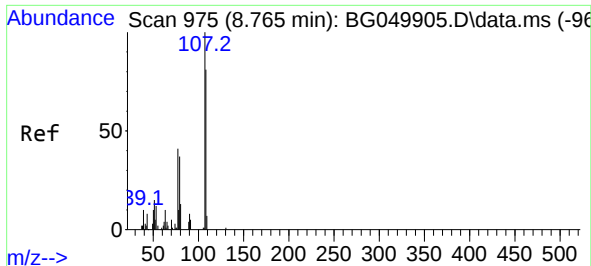
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#17
N-Nitroso-di-n-propylamine
Concen: 4.204 ng/ul
RT: 8.788 min Scan# 979
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:	70	Resp:	5121
Ion	Ratio	Lower	Upper
70	100		
42	44.7	44.2	66.4
101	8.1	7.8	11.8
130	12.9	15.3	22.9





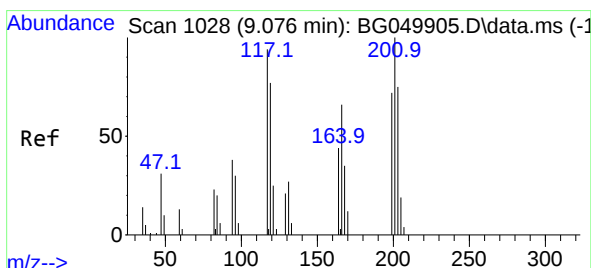
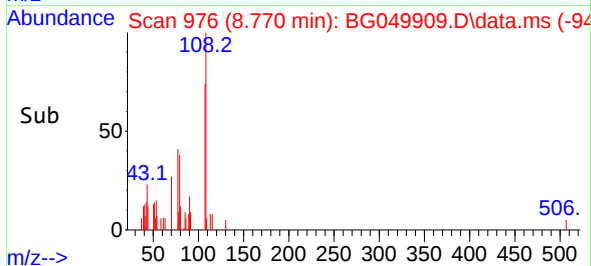
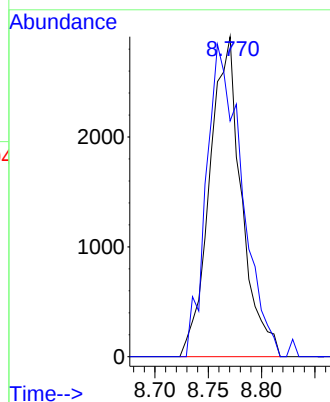
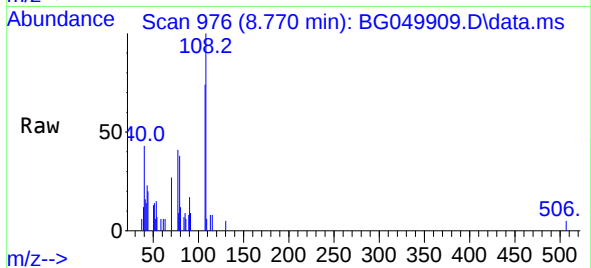
#18
4-Methylphenol
Concen: 3.807 ng/ul
RT: 8.770 min Scan# 976
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:108 Resp: 6028
Ion Ratio Lower Upper
108 100
107 73.7 78.3 117.5#

Instrument :
BNA_G
ClientSampleId :
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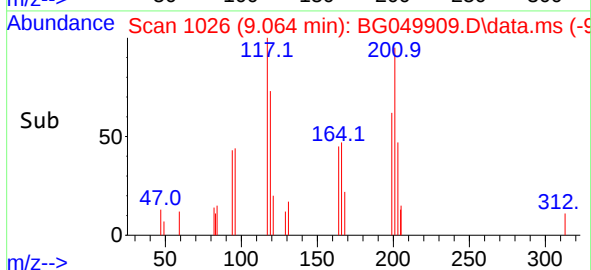
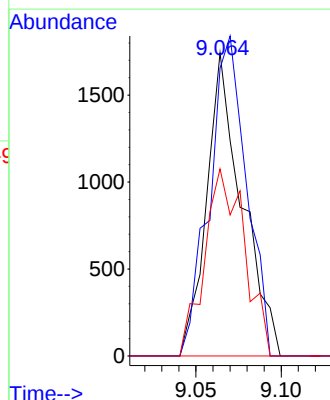
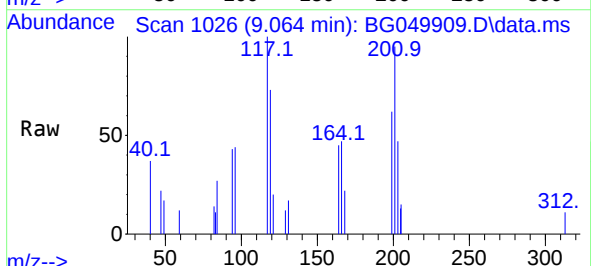
Manual Integrations
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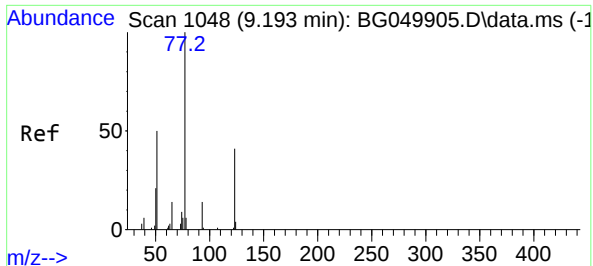
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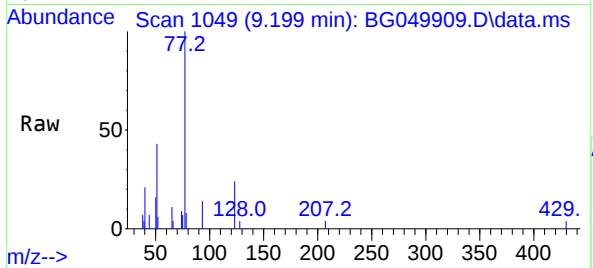
#19
Hexachloroethane
Concen: 4.120 ng/ul
RT: 9.064 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:117 Resp: 2518
Ion Ratio Lower Upper
117 100
201 94.9 89.3 133.9
199 61.7 50.5 75.7

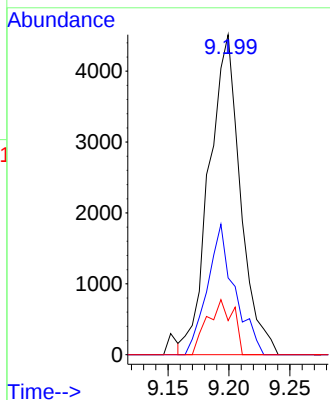
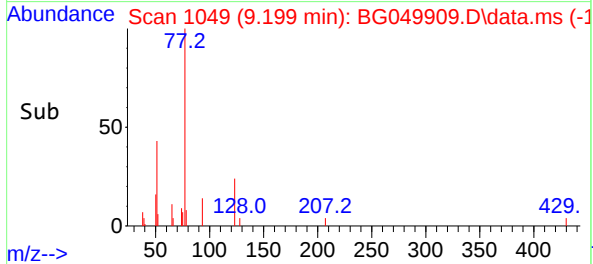




#22
Nitrobenzene
Concen: 4.066 ng/ul
RT: 9.199 min Scan# 1049
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



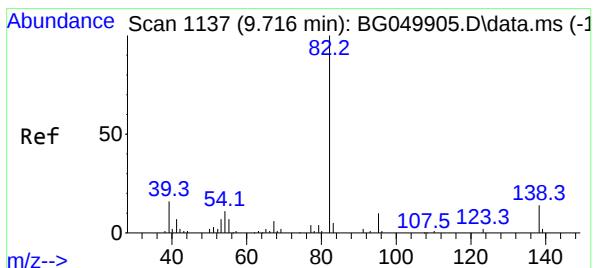
Tgt Ion: 77 Resp: 8061
Ion Ratio Lower Upper
77 100
123 24.0 30.4 45.6#
65 10.7 11.3 16.9#



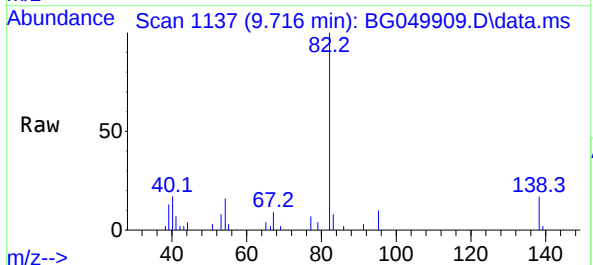
Instrument :
BNA_G
ClientSampleId :
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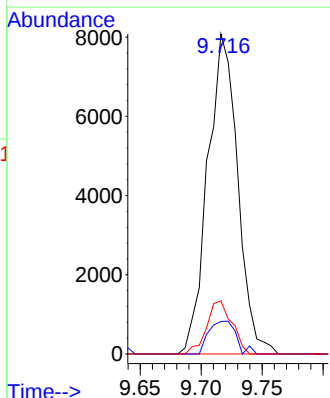
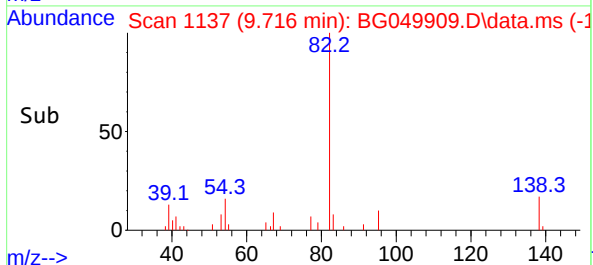
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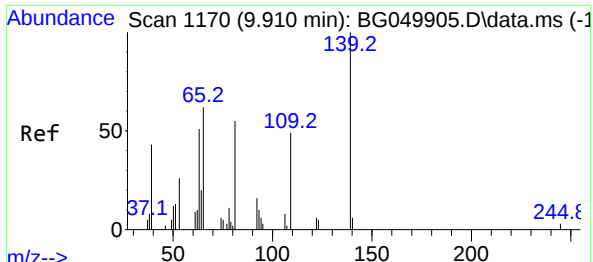


#23
Isophorone
Concen: 3.918 ng/ul
RT: 9.716 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



Tgt Ion: 82 Resp: 13839
Ion Ratio Lower Upper
82 100
95 10.2 7.8 11.8
138 16.6 11.4 17.0





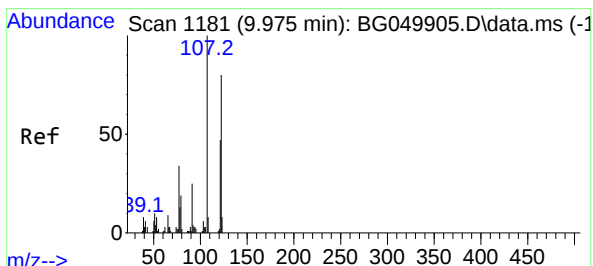
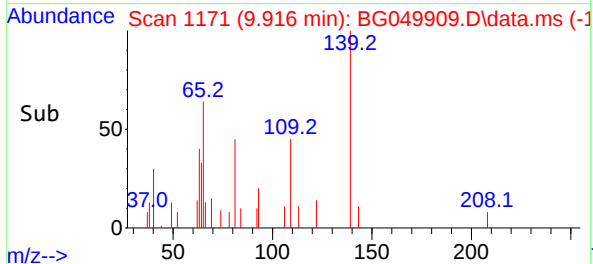
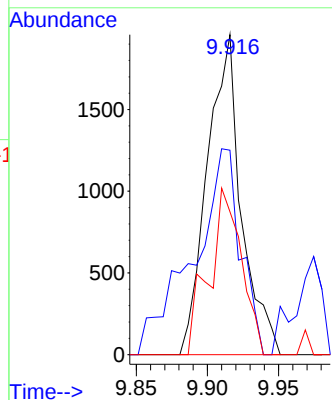
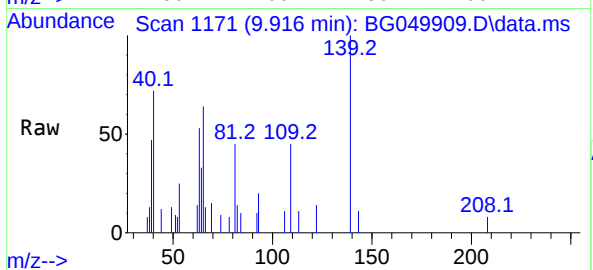
#25
2-Nitrophenol
Concen: 3.844 ng/ul
RT: 9.916 min Scan# 1171
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:139 Resp: 3256
Ion Ratio Lower Upper
139 100
65 63.9 53.1 79.7
109 44.6 44.1 66.1

Instrument :
BNA_G
ClientSampleId :
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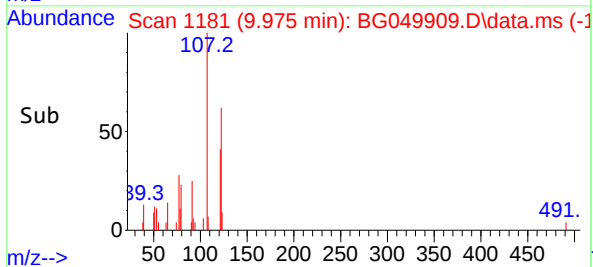
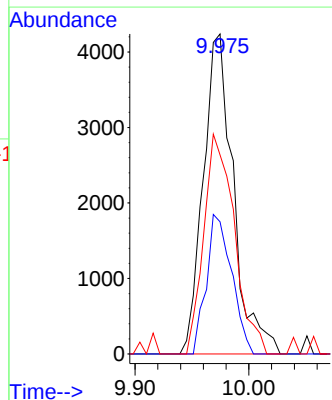
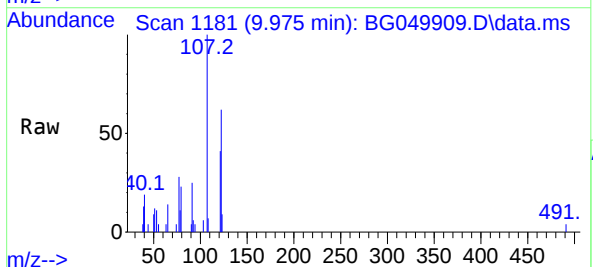
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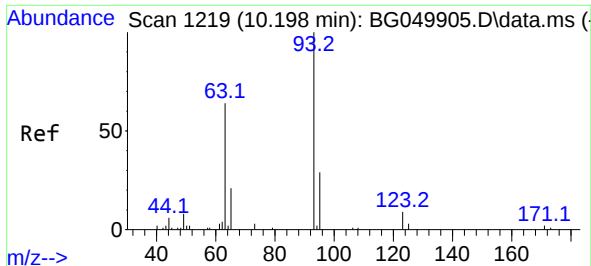
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#26
2,4-Dimethylphenol
Concen: 4.143 ng/ul
RT: 9.975 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:107 Resp: 7799
Ion Ratio Lower Upper
107 100
121 41.3 32.7 49.1
122 62.2 52.6 79.0





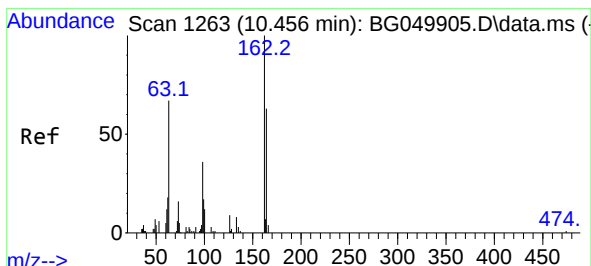
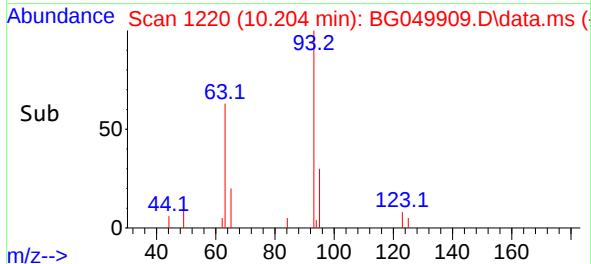
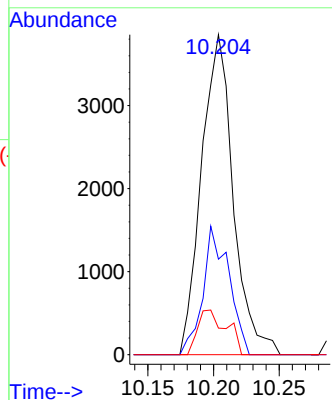
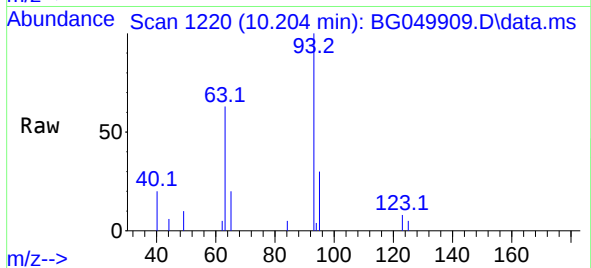
#27
Bis(2-Chloroethoxy)methane
Concen: 3.558 ng/ul
RT: 10.204 min Scan# 1220
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion: 93	Resp:	6490
Ion Ratio	Lower	Upper
93	100	
95	29.8	24.8 37.2
123	8.3	8.2 12.2

Instrument :
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ClientSampleId :
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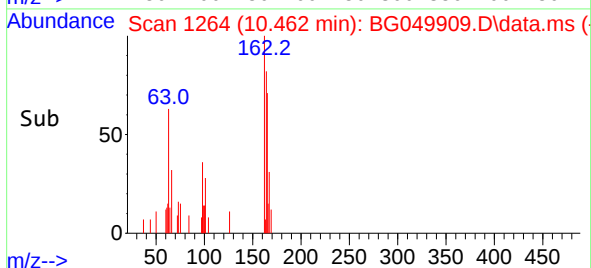
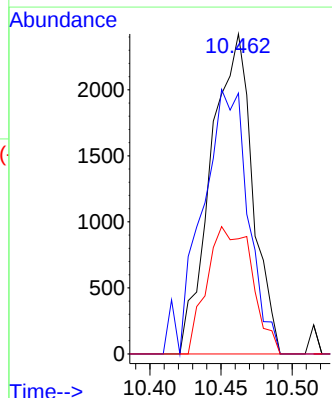
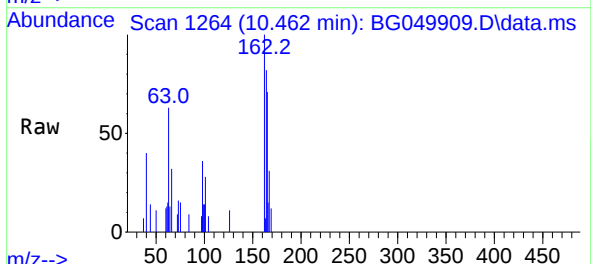
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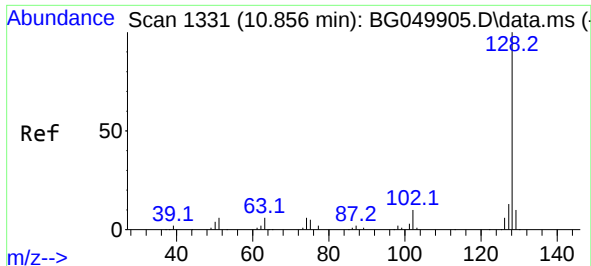
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#29
2,4-Dichlorophenol
Concen: 3.463 ng/ul
RT: 10.462 min Scan# 1264
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion: 162	Resp:	4939
Ion Ratio	Lower	Upper
162	100	
164	81.5	51.0 76.6#
98	36.0	27.8 41.8





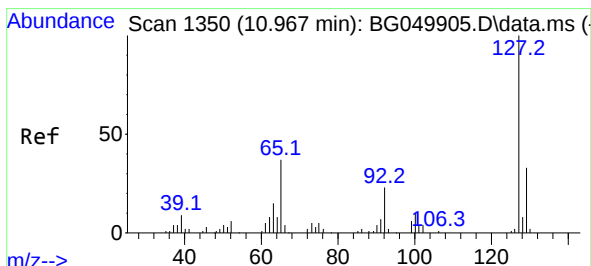
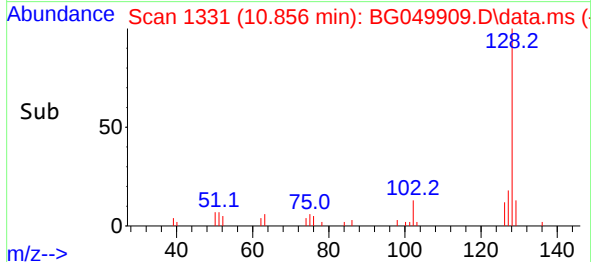
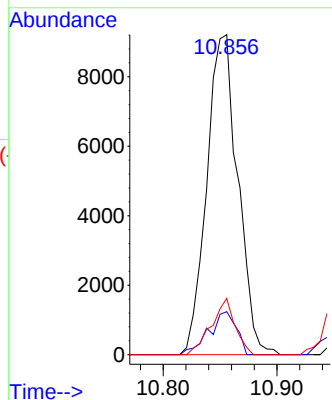
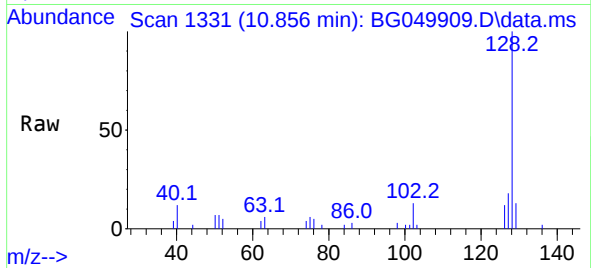
#30
Naphthalene
Concen: 3.712 ng/ul
RT: 10.856 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.3	13.9
127	17.6	9.8	14.6#

Instrument :
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ClientSampleId :
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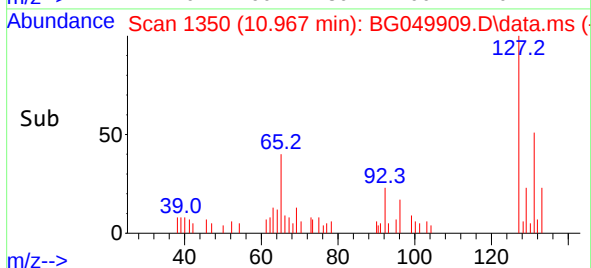
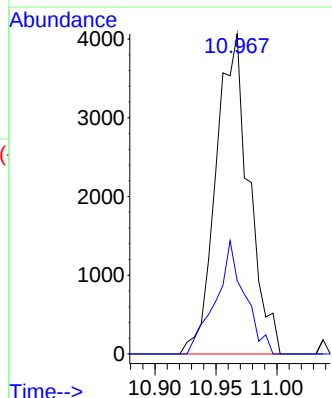
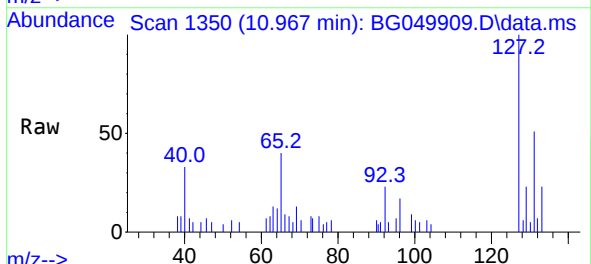
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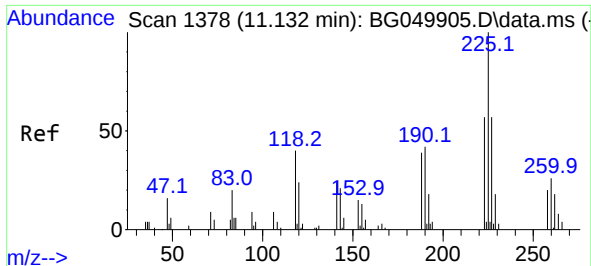
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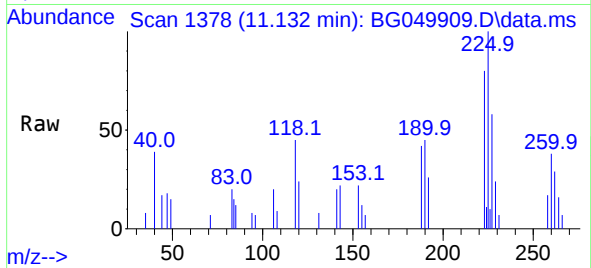
#32
4-Chloroaniline
Concen: 3.761 ng/ul
RT: 10.967 min Scan# 1350
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion	Ratio	Lower	Upper
127	100		
129	22.9	30.3	45.5#

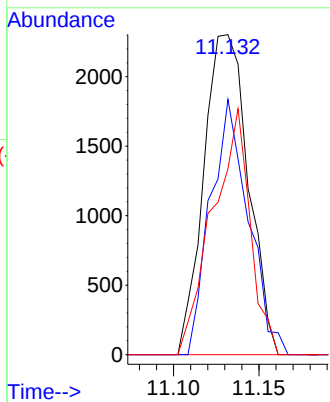
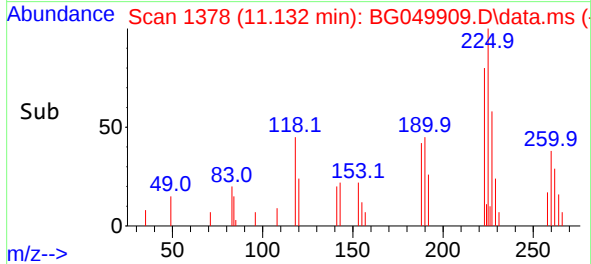




#33
Hexachlorobutadiene
Concen: 3.630 ng/ul
RT: 11.132 min Scan# 1378
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



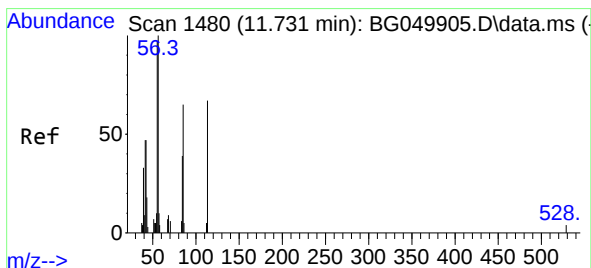
Tgt Ion:225 Resp: 4188
Ion Ratio Lower Upper
225 100
223 79.8 51.3 76.9#
227 58.1 55.1 82.7



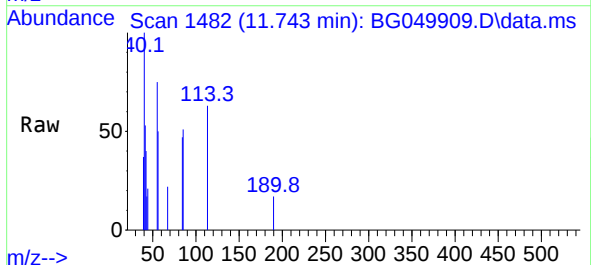
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-06

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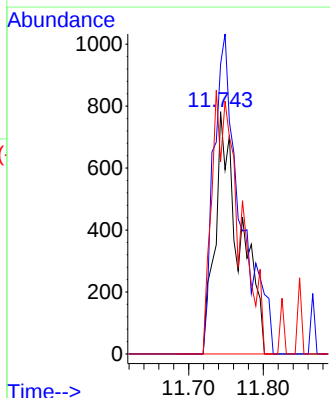
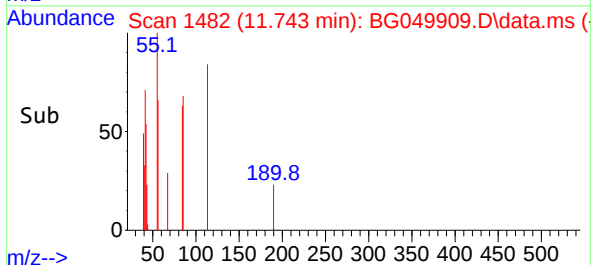
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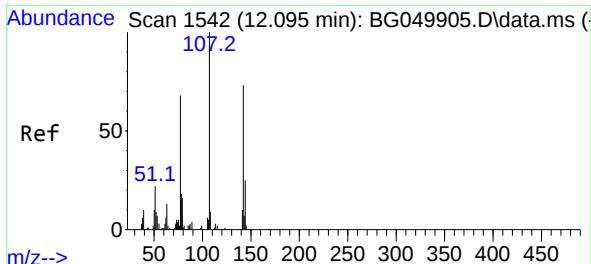


#34
Caprolactam
Concen: 3.597 ng/ul m
RT: 11.743 min Scan# 1482
Delta R.T. 0.012 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



Tgt Ion:113 Resp: 1797
Ion Ratio Lower Upper
113 100
55 119.7 114.0 171.0
56 79.4 107.4 161.0#





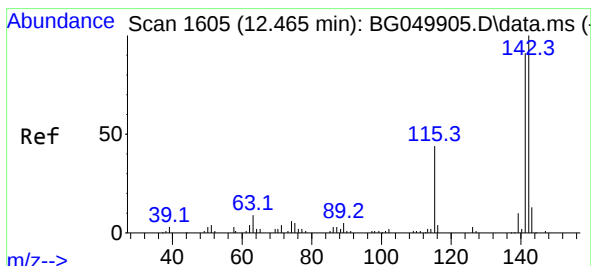
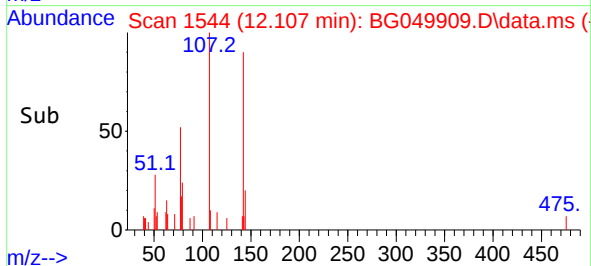
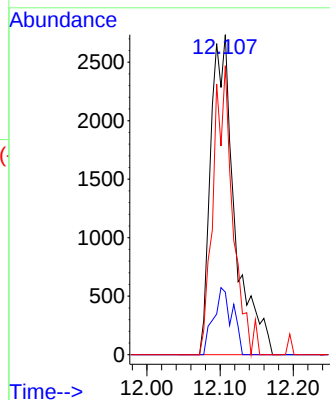
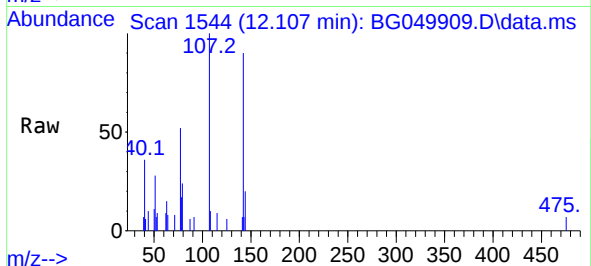
#35
4-Chloro-3-methylphenol
Concen: 3.655 ng/ul m
RT: 12.107 min Scan# 1544
Delta R.T. 0.012 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:107 Resp: 6231
Ion Ratio Lower Upper
107 100
144 19.6 18.9 28.3
142 90.3 59.2 88.8#

Instrument :
BNA_G
ClientSampleId :
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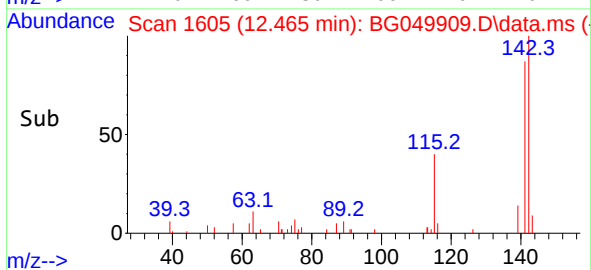
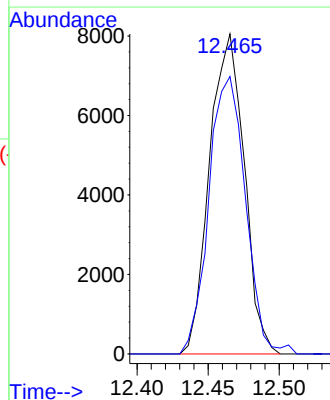
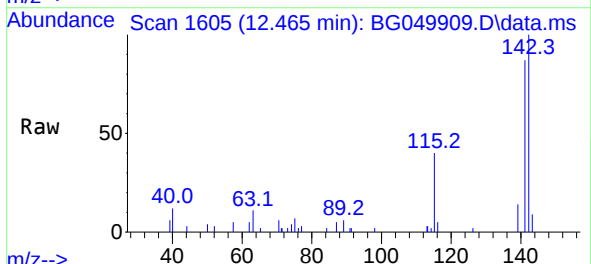
Manual Integrations
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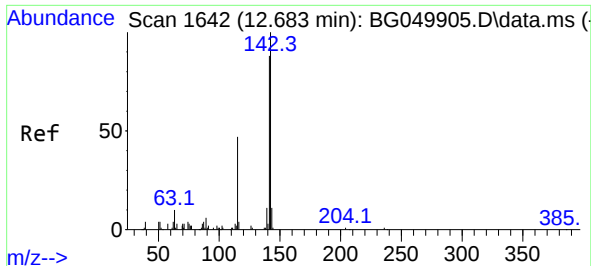
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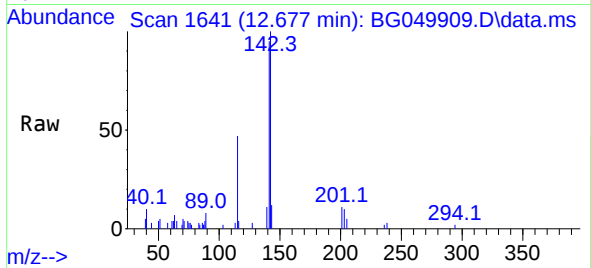
#36
2-Methylnaphthalene
Concen: 3.899 ng/ul
RT: 12.465 min Scan# 1605
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:142 Resp: 13671
Ion Ratio Lower Upper
142 100
141 86.7 70.5 105.7

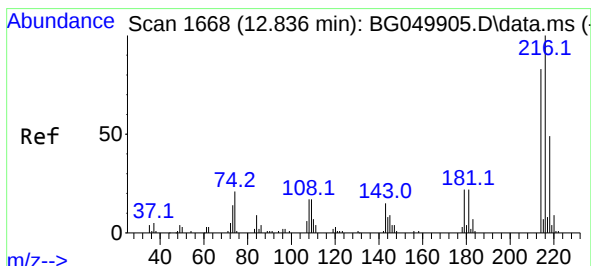
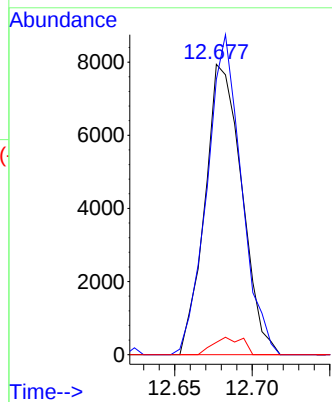
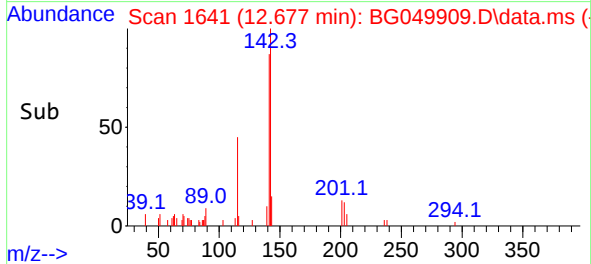




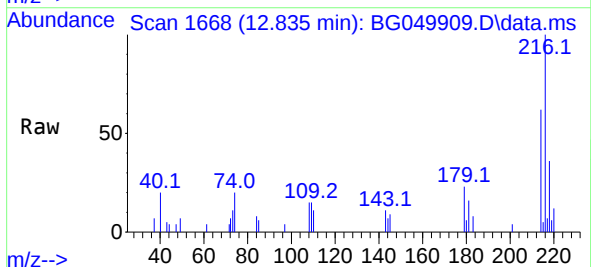
#37
1-Methylnaphthalene
Concen: 3.714 ng/ul
RT: 12.677 min Scan# 1641
Delta R.T. -0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



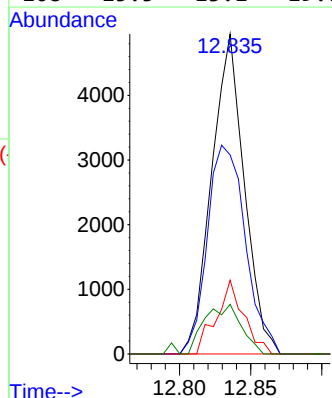
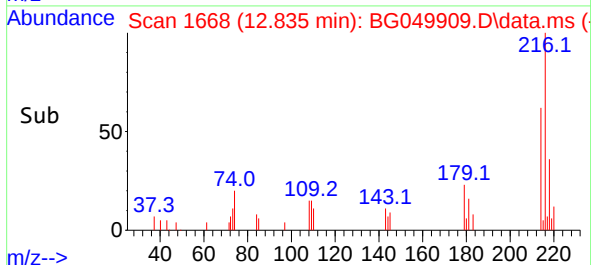
Tgt Ion:142 Resp: 13146
Ion Ratio Lower Upper
142 100
141 94.8 75.8 113.8
116 4.2 3.7 5.5



#39
1,2,4,5-Tetrachlorobenzene
Concen: 3.907 ng/ul
RT: 12.835 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



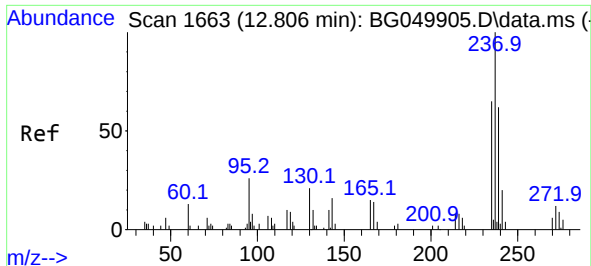
Tgt Ion:216 Resp: 7903
Ion Ratio Lower Upper
216 100
214 62.2 64.2 96.2#
179 23.0 12.8 19.2#
108 15.5 13.1 19.7



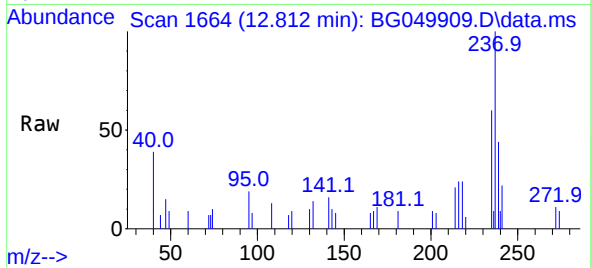
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-06

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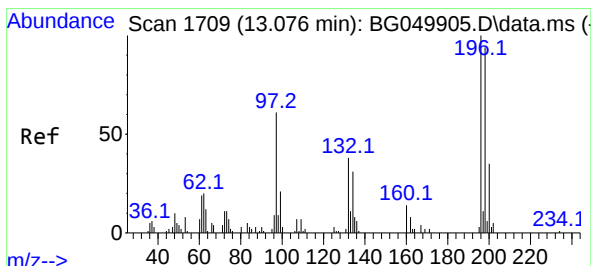
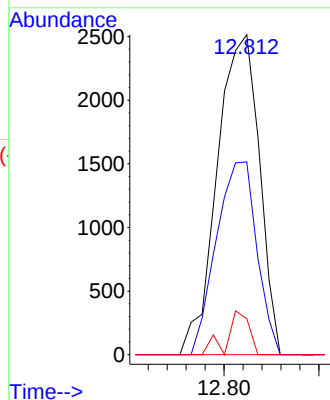
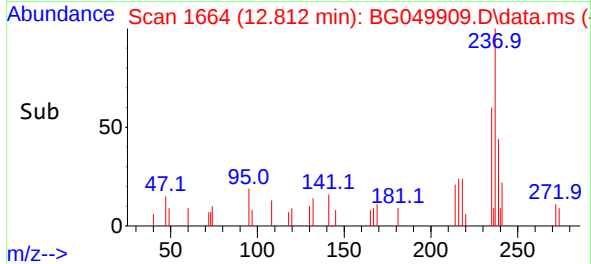
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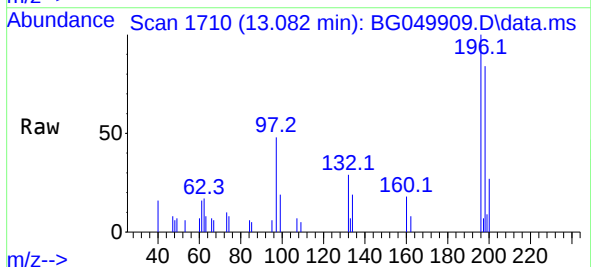
#40
Hexachlorocyclopentadiene
Concen: 4.291 ng/ul
RT: 12.812 min Scan# 1664
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



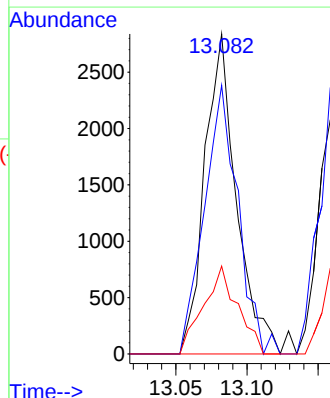
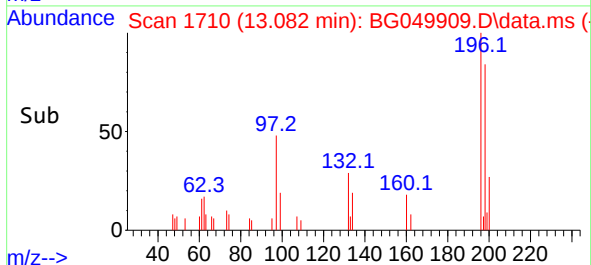
Tgt Ion:237 Resp: 3885
Ion Ratio Lower Upper
237 100
235 60.2 53.5 80.3
272 11.3 11.5 17.3#



#41
2,4,6-Trichlorophenol
Concen: 3.411 ng/ul
RT: 13.082 min Scan# 1710
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



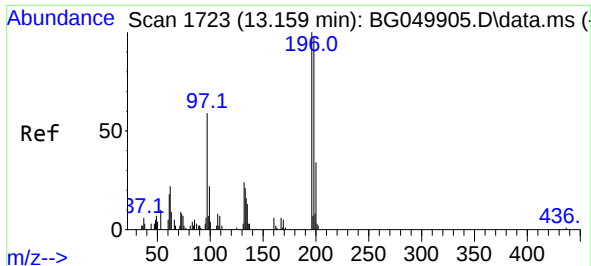
Tgt Ion:196 Resp: 4397
Ion Ratio Lower Upper
196 100
198 83.9 83.7 125.5
200 27.5 25.9 38.9



Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-06

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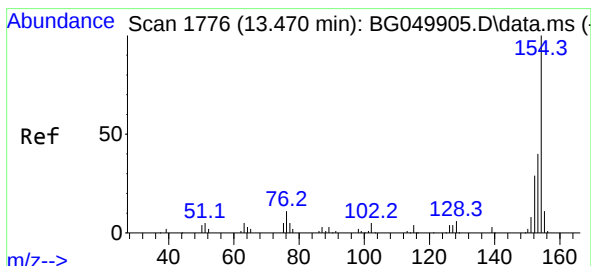
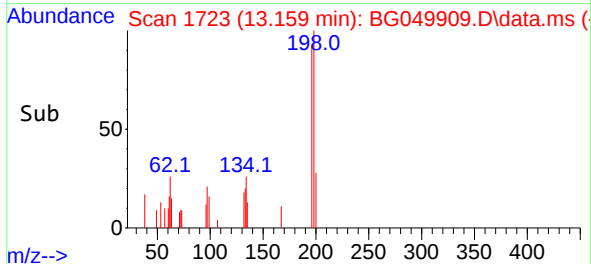
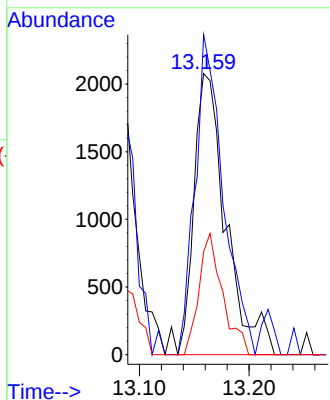
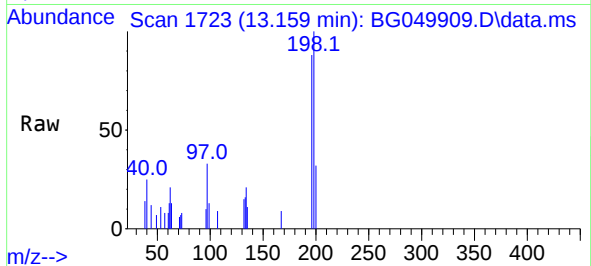
#42
2,4,5-Trichlorophenol
Concen: 3.098 ng/ul m
RT: 13.159 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:196 Resp: 4186
Ion Ratio Lower Upper
196 100
198 113.8 70.3 105.5#
200 36.7 26.6 40.0

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-06

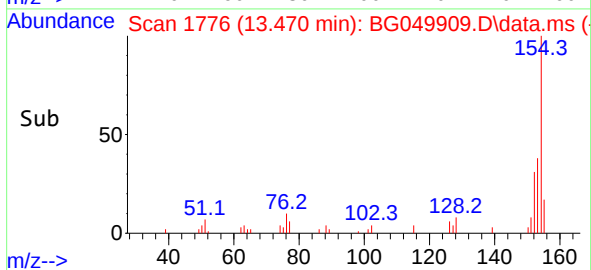
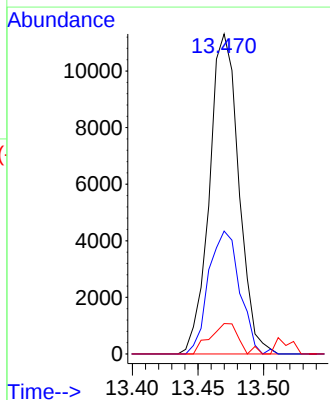
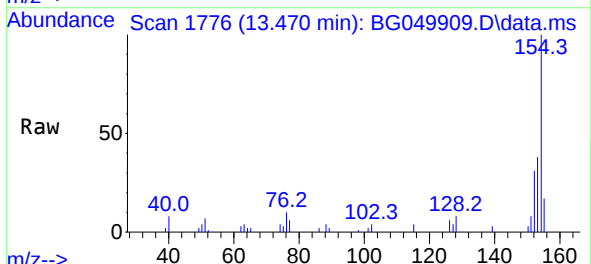
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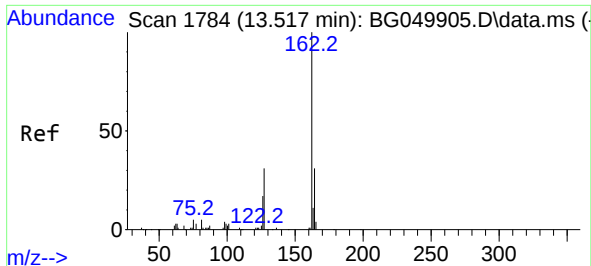
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#43
1,1'-Biphenyl
Concen: 3.660 ng/ul
RT: 13.470 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:154 Resp: 17610
Ion Ratio Lower Upper
154 100
153 38.4 32.5 48.7
76 9.5 7.8 11.8





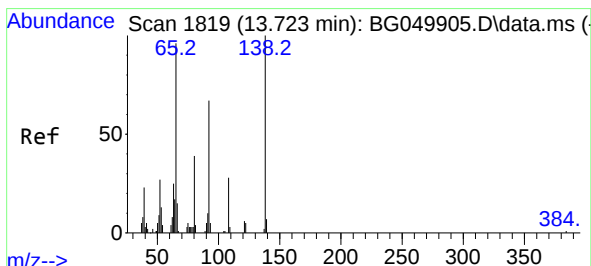
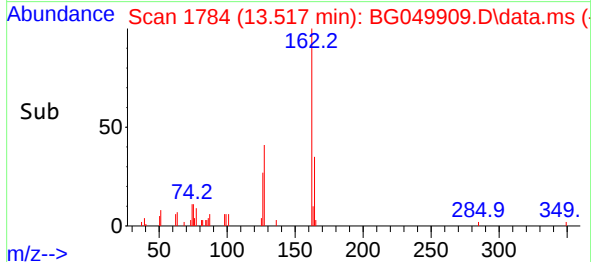
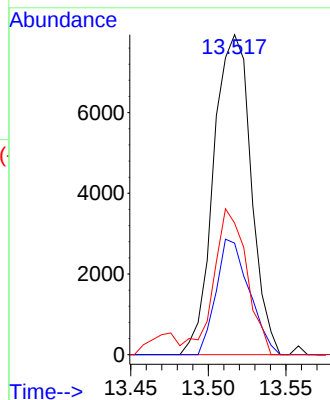
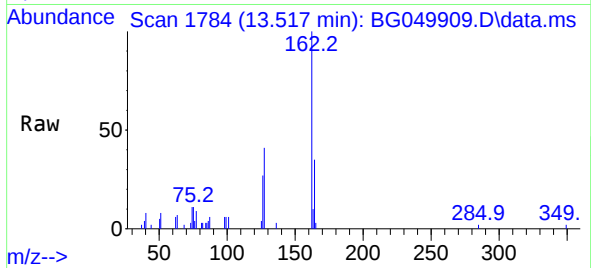
#44
2-Chloronaphthalene
Concen: 3.440 ng/ul
RT: 13.517 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:	162	Resp:	13298
Ion Ratio	Lower	Upper	
162	100		
164	34.8	25.2	37.8
127	41.1	31.9	47.9

Instrument :
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ClientSampleId :
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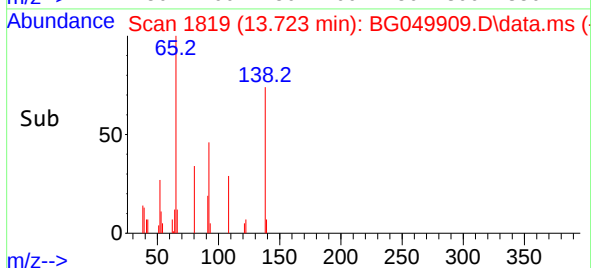
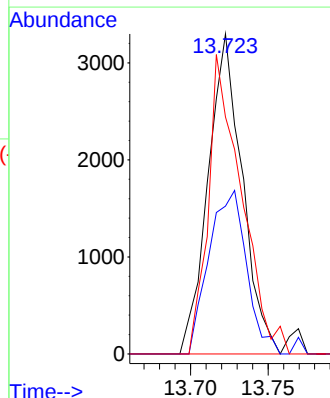
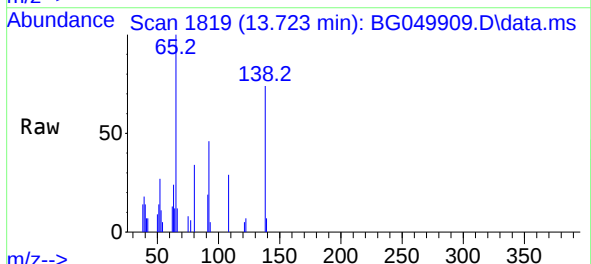
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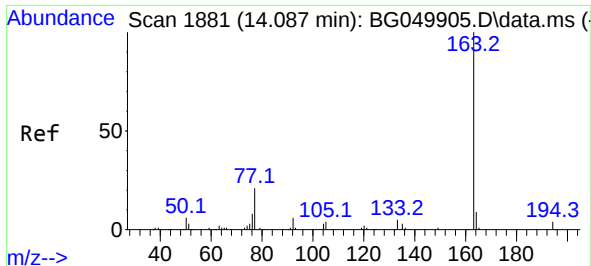
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#45
2-Nitroaniline
Concen: 3.844 ng/ul
RT: 13.723 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:	65	Resp:	5044
Ion Ratio	Lower	Upper	
65	100		
92	46.2	55.6	83.4#
138	74.0	78.7	118.1#





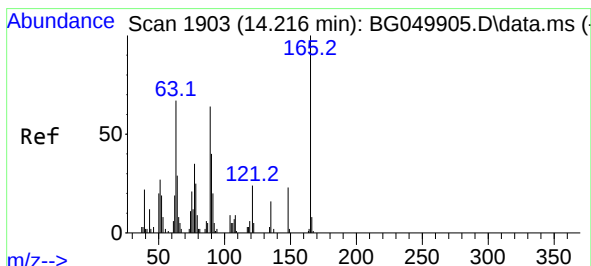
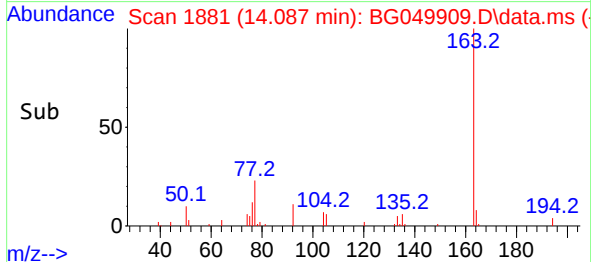
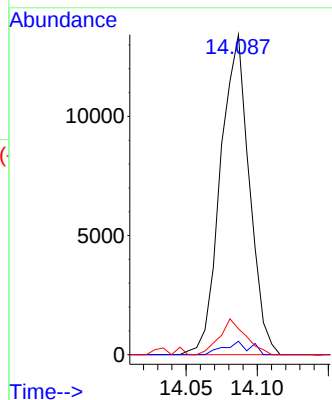
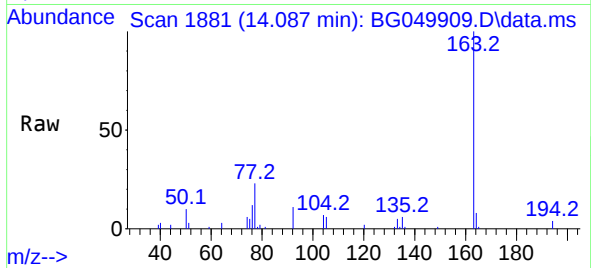
#47
Dimethylphthalate
Concen: 3.629 ng/ul
RT: 14.087 min Scan# 1881
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:163 Resp: 18930
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 8.1 8.2 12.4#

Instrument :
BNA_G
ClientSampleId :
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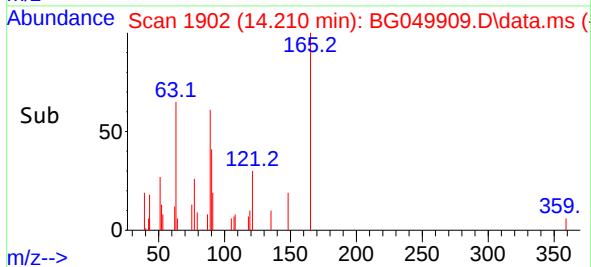
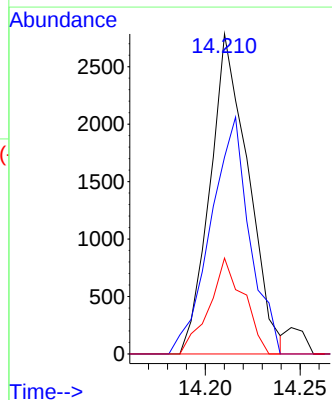
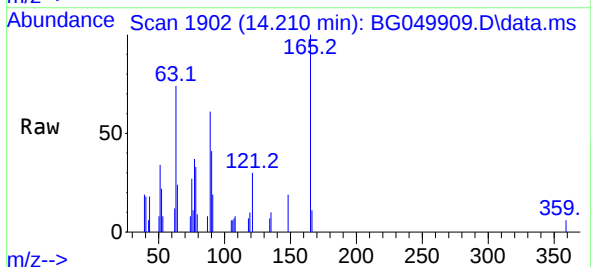
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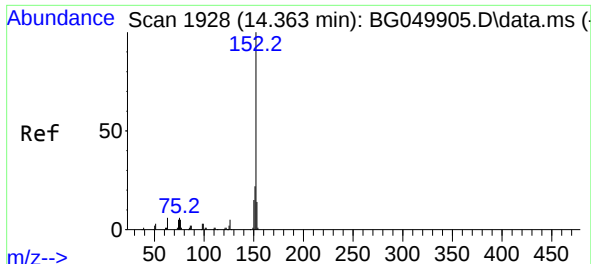
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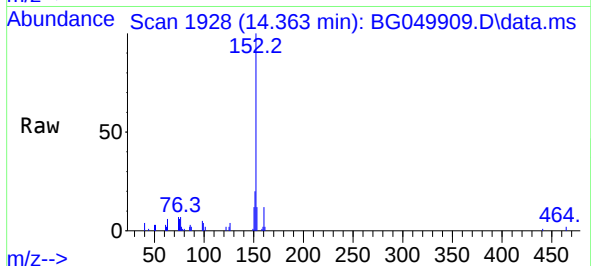
#48
2,6-Dinitrotoluene
Concen: 3.622 ng/ul
RT: 14.210 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:165 Resp: 3901
Ion Ratio Lower Upper
165 100
89 61.5 62.5 93.7#
121 29.9 22.2 33.2

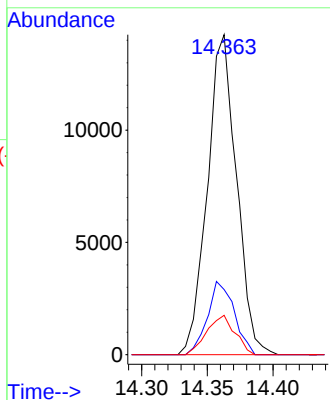
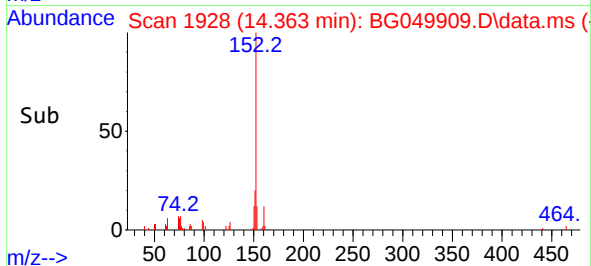




#50
Acenaphthylene
Concen: 3.889 ng/ul
RT: 14.363 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



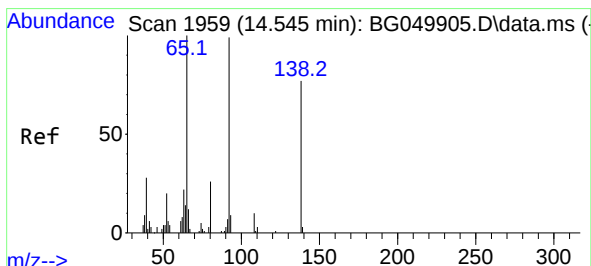
Tgt Ion:	152	Resp:	21970
Ion Ratio	Lower	Upper	
152	100		
151	20.3	15.2	22.8
153	12.3	10.7	16.1



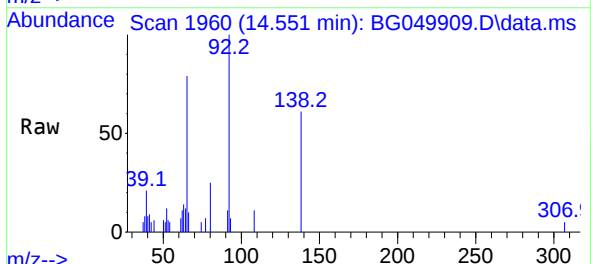
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-06

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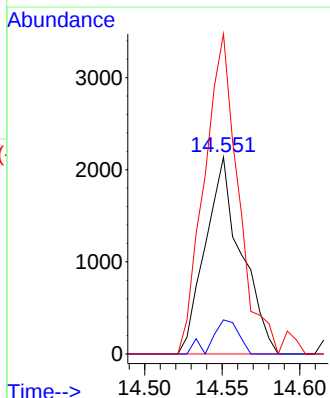
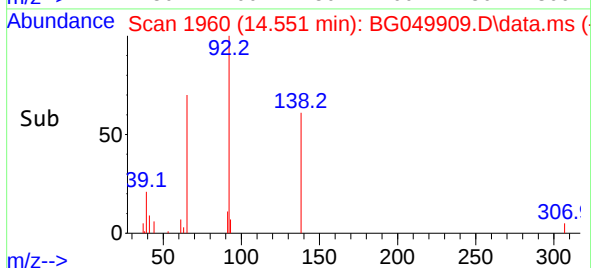
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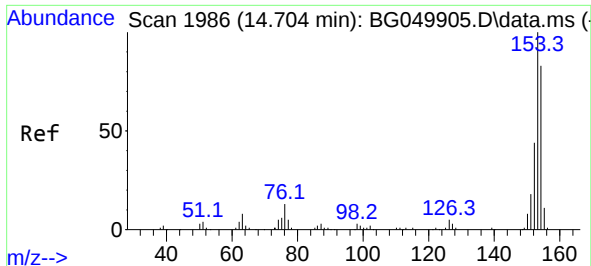


#51
3-Nitroaniline
Concen: 3.315 ng/ul
RT: 14.551 min Scan# 1960
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



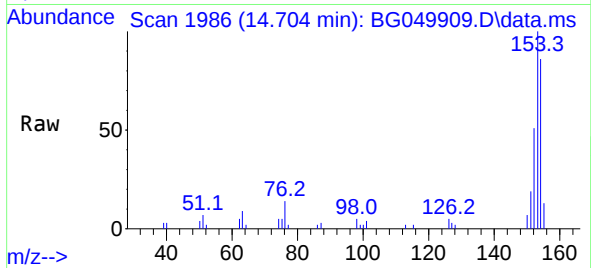
Tgt Ion:	138	Resp:	3445
Ion Ratio	Lower	Upper	
138	100		
108	17.4	9.0	13.4#
92	162.6	96.4	144.6#





#52
Acenaphthene
Concen: 3.515 ng/ul
RT: 14.704 min Scan# 1986
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

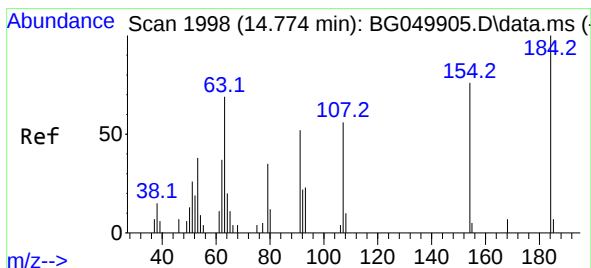
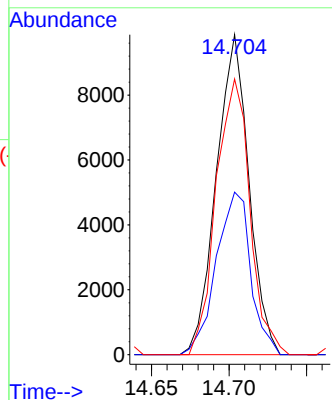
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-06



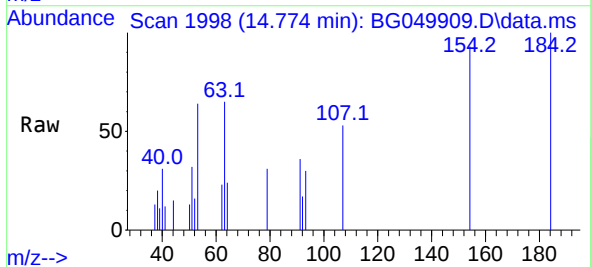
Tgt Ion:153 Resp: 14404
Ion Ratio Lower Upper
153 100
152 50.8 37.4 56.2
154 86.1 71.5 107.3

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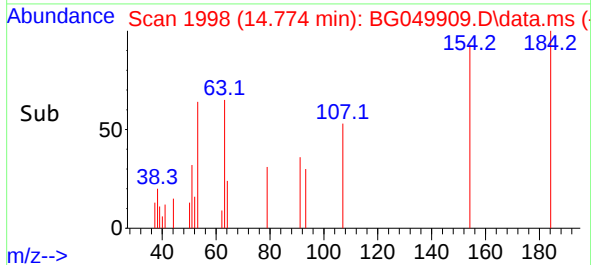
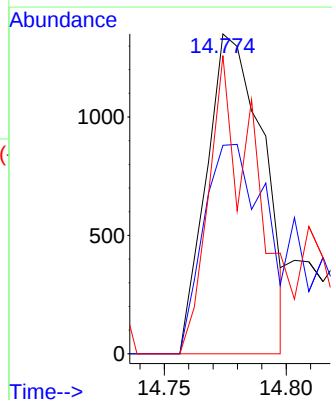
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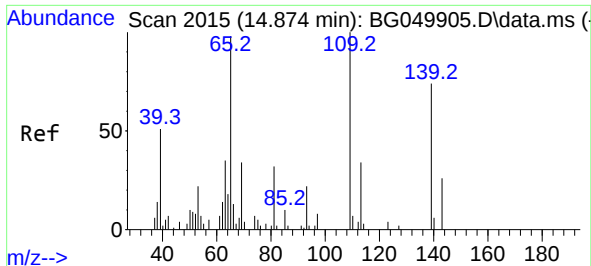


#53
2,4-Dinitrophenol
Concen: 3.952 ng/ul
RT: 14.774 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

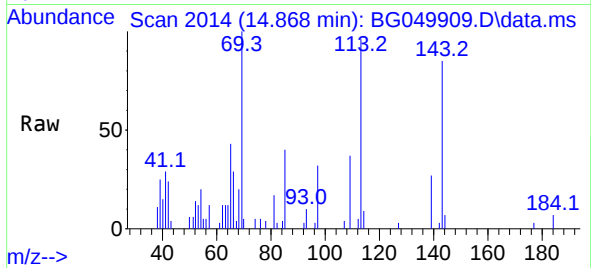


Tgt Ion:184 Resp: 2174
Ion Ratio Lower Upper
184 100
63 65.2 75.8 113.8#
154 93.3 64.6 96.8

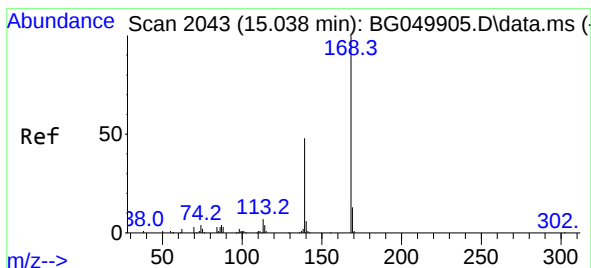
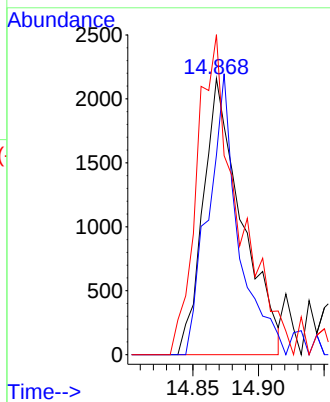
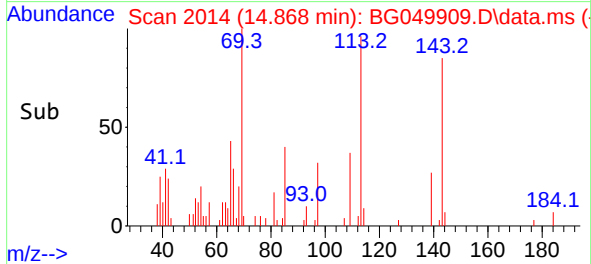




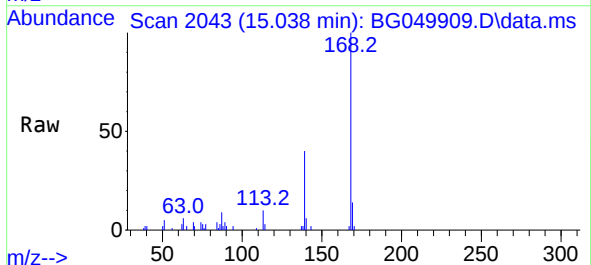
#55
4-Nitrophenol
Concen: 4.563 ng/ul
RT: 14.868 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



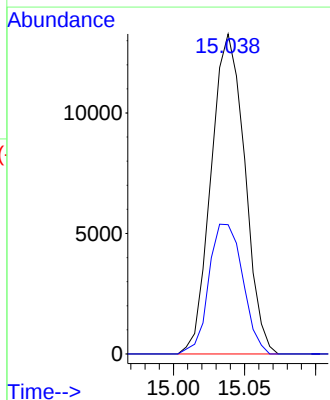
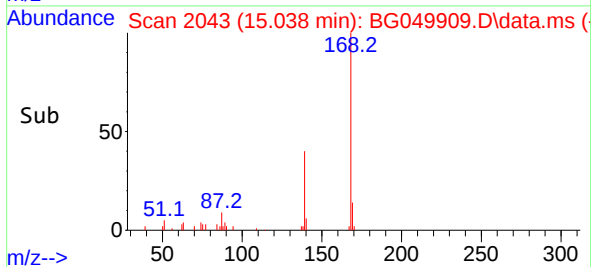
Tgt Ion:109 Resp: 4412
Ion Ratio Lower Upper
109 100
139 72.3 61.4 92.0
65 115.9 76.5 114.7#



#56
Dibenzofuran
Concen: 3.852 ng/ul
RT: 15.038 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



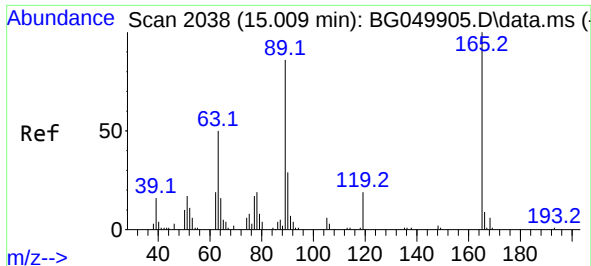
Tgt Ion:168 Resp: 21856
Ion Ratio Lower Upper
168 100
139 40.4 33.8 50.8



Instrument :
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ClientSampleId :
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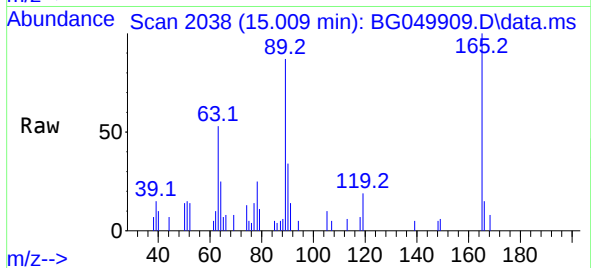
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#57
2,4-Dinitrotoluene
Concen: 3.496 ng/ul
RT: 15.009 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

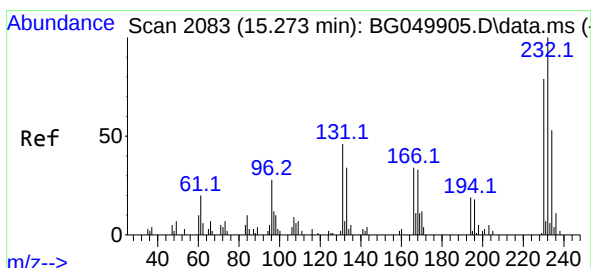
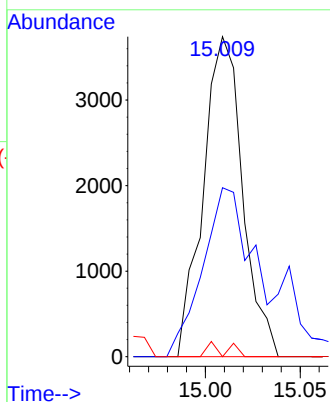
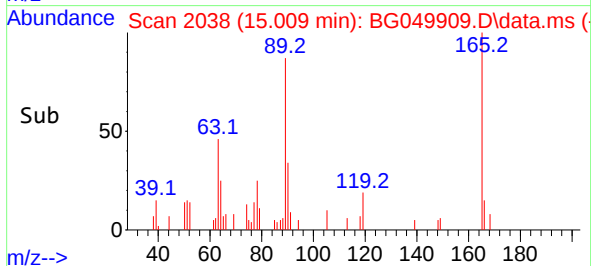
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-06



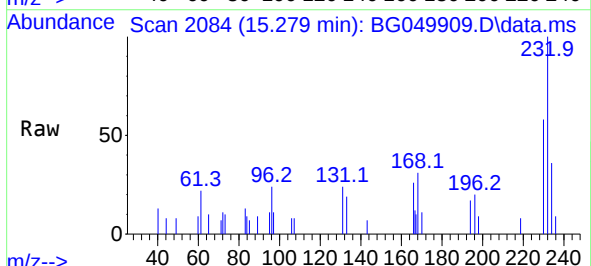
Tgt Ion:165 Resp: 5416
Ion Ratio Lower Upper
165 100
63 52.8 42.3 63.5
182 0.0 2.6 4.0#

Manual Integrations
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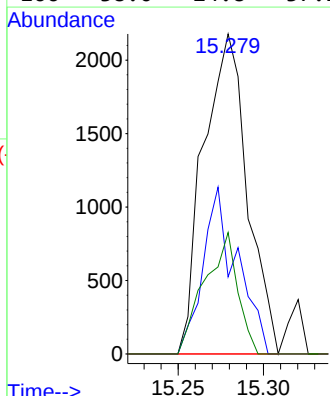
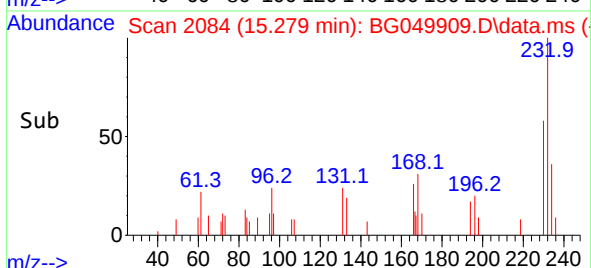
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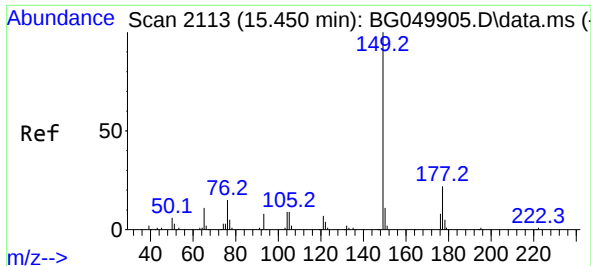


#58
2,3,4,6-Tetrachlorophenol
Concen: 3.472 ng/ul
RT: 15.279 min Scan# 2084
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

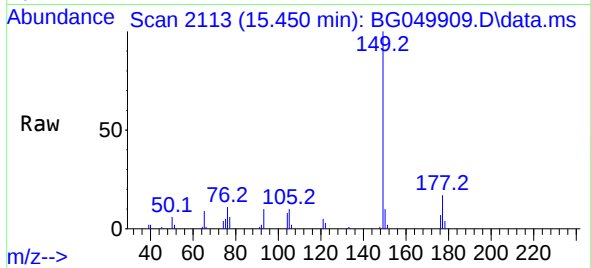


Tgt Ion:232 Resp: 3887
Ion Ratio Lower Upper
232 100
131 24.1 40.0 60.0#
130 0.0 1.8 2.8#
166 38.0 24.8 37.2#

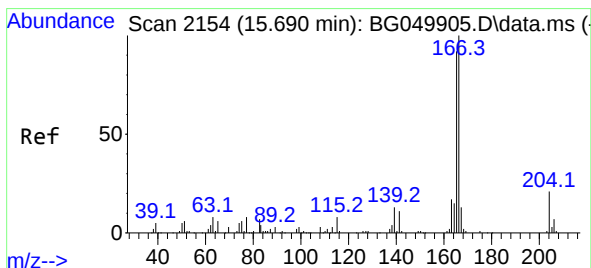
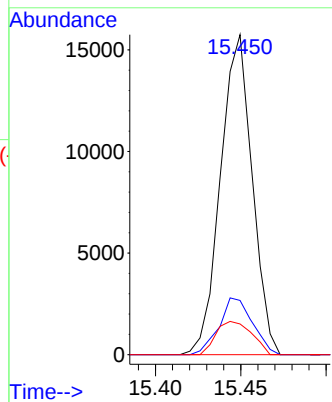
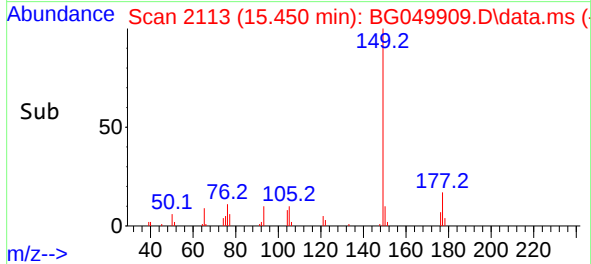




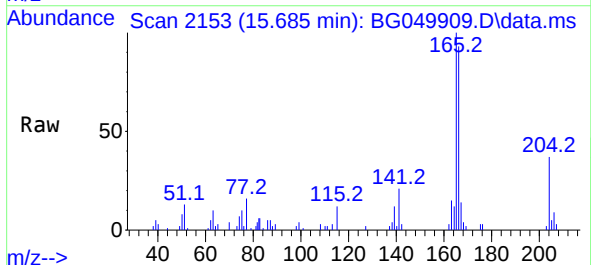
#59
Diethylphthalate
Concen: 3.812 ng/ul
RT: 15.450 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



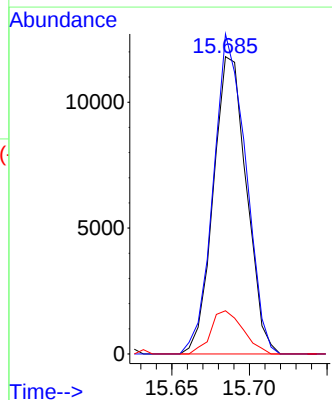
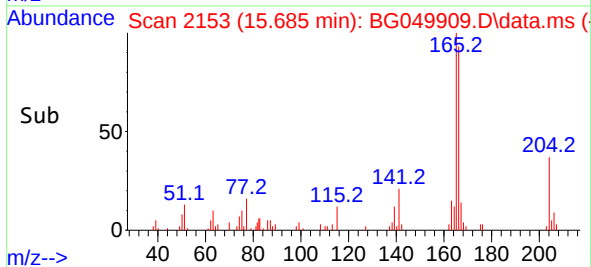
Tgt Ion:149 Resp: 20346
Ion Ratio Lower Upper
149 100
177 17.0 15.8 23.6
150 9.6 9.7 14.5#



#61
Fluorene
Concen: 3.667 ng/ul
RT: 15.685 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



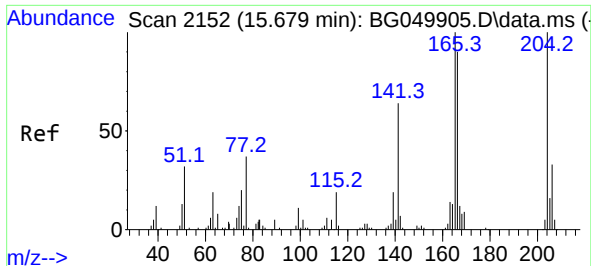
Tgt Ion:166 Resp: 17555
Ion Ratio Lower Upper
166 100
165 107.7 83.3 124.9
167 14.6 11.8 17.6



Instrument :
BNA_G
ClientSampleId :
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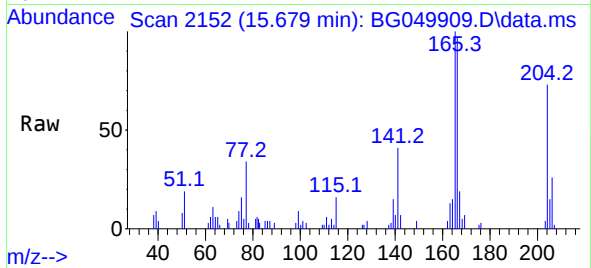
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#62
4-Chlorophenyl-phenylether
Concen: 3.671 ng/ul
RT: 15.679 min Scan# 2152
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

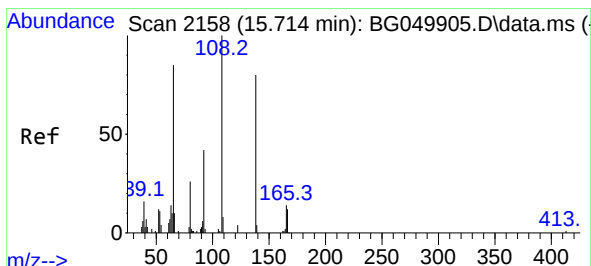
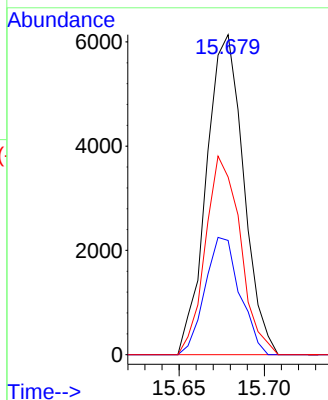
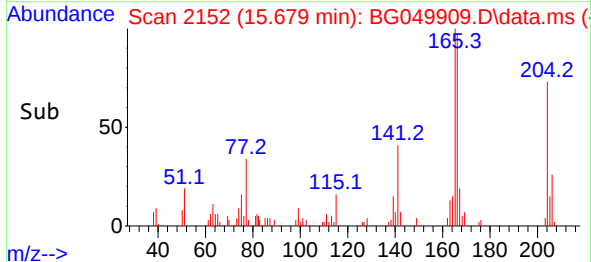
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-06



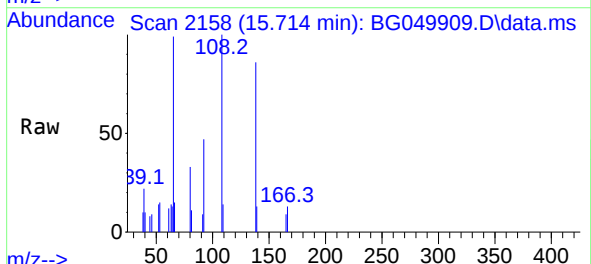
Tgt Ion:204 Resp: 9298
Ion Ratio Lower Upper
204 100
206 35.7 25.4 38.2
141 55.5 51.8 77.6

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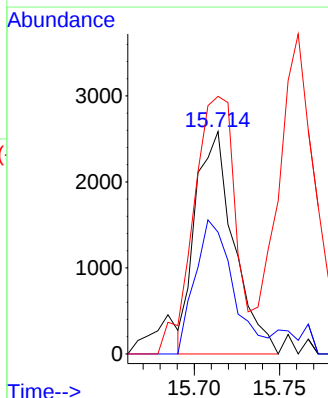
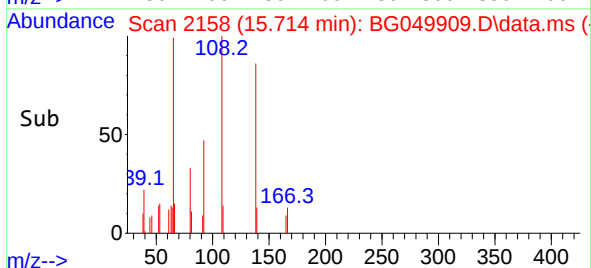
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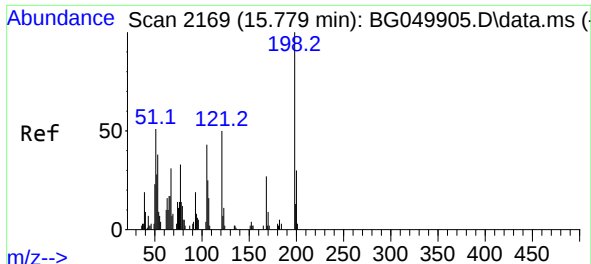


#63
4-Nitroaniline
Concen: 3.913 ng/ul
RT: 15.714 min Scan# 2158
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



Tgt Ion:138 Resp: 4058
Ion Ratio Lower Upper
138 100
92 54.7 50.0 75.0
108 115.8 101.8 152.8





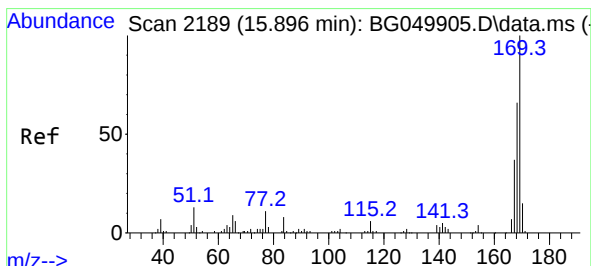
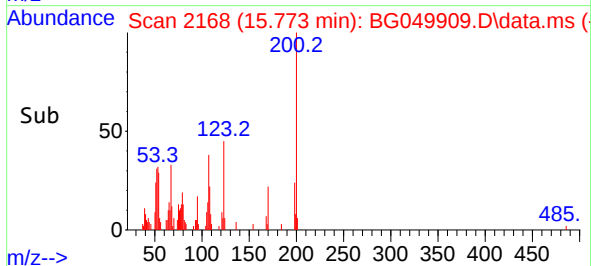
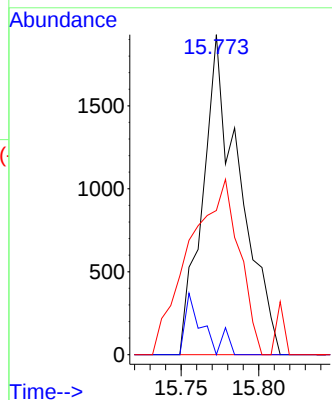
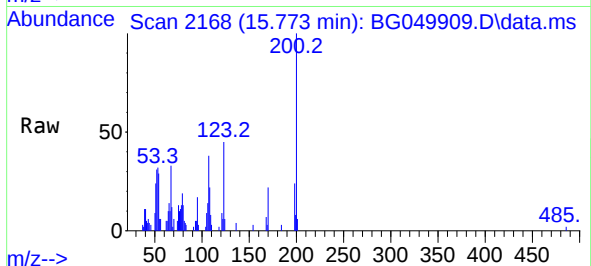
#66
4,6-Dinitro-2-methylphenol
Concen: 3.456 ng/ul
RT: 15.773 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:198 Resp: 3202
Ion Ratio Lower Upper
198 100
182 0.0 3.0 4.6#
77 45.0 23.4 35.2#

Instrument :
BNA_G
ClientSampleId :
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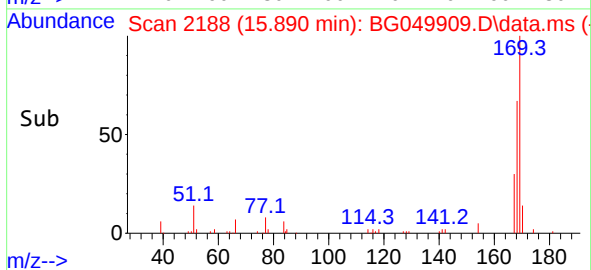
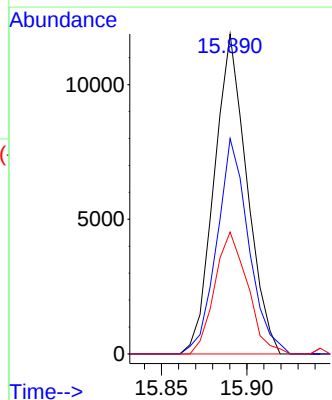
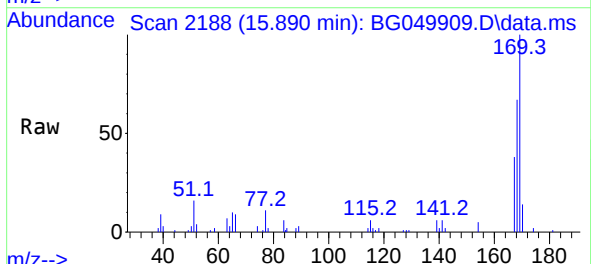
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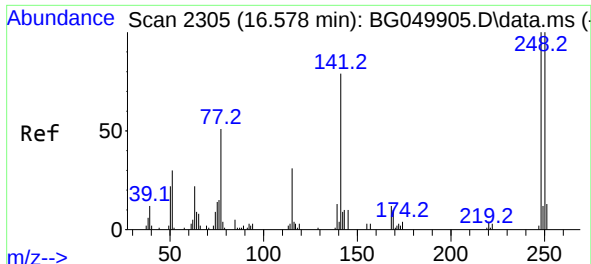
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#67
N-Nitrosodiphenylamine
Concen: 3.792 ng/ul
RT: 15.890 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

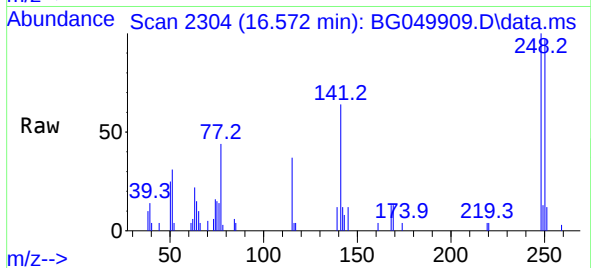
Tgt Ion:169 Resp: 15864
Ion Ratio Lower Upper
169 100
168 67.3 55.0 82.6
167 38.1 29.0 43.4





#68
4-Bromophenyl-phenylether
Concen: 3.804 ng/ul
RT: 16.572 min Scan# 2304
Delta R.T. -0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

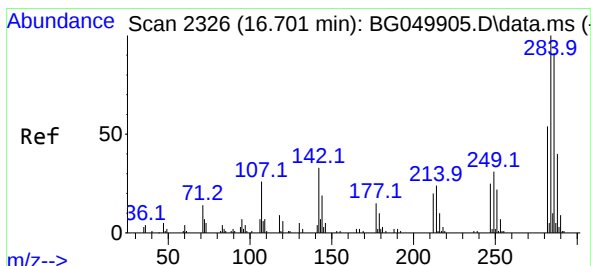
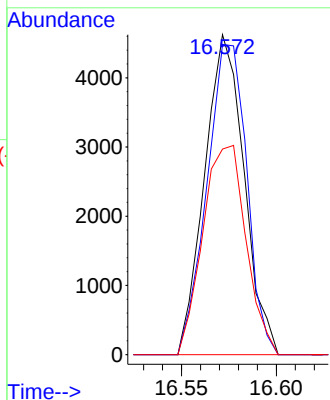
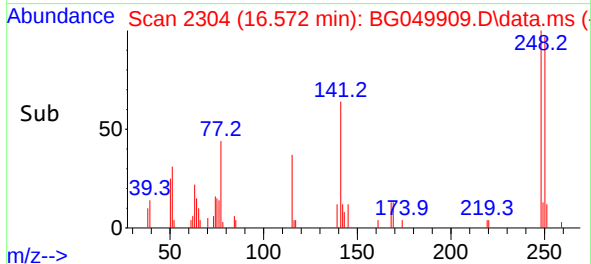
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-06



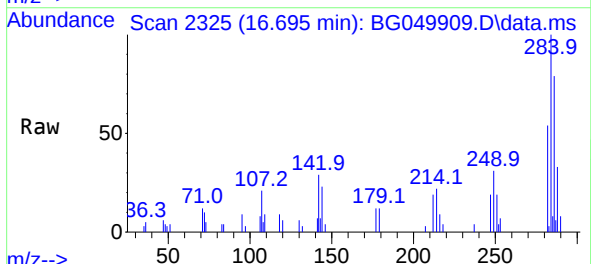
Tgt Ion:248 Resp: 6687
Ion Ratio Lower Upper
248 100
250 97.0 80.2 120.2
141 64.2 60.6 90.8

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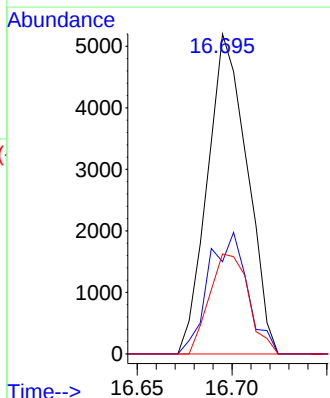
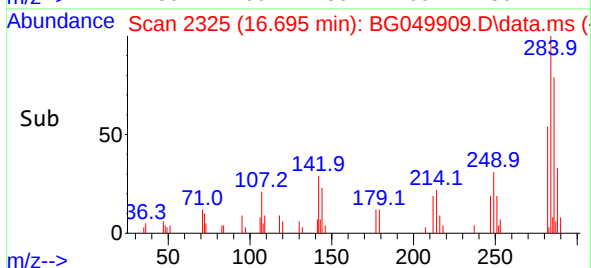
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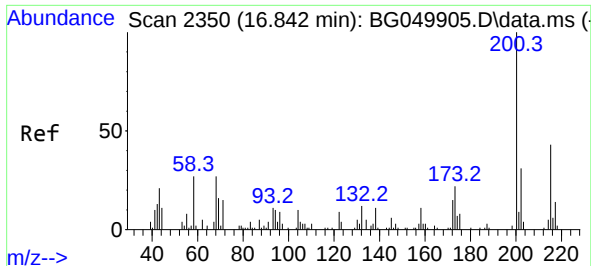


#69
Hexachlorobenzene
Concen: 3.730 ng/ul
RT: 16.695 min Scan# 2325
Delta R.T. -0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



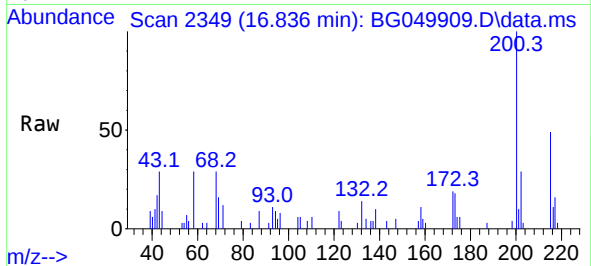
Tgt Ion:284 Resp: 7572
Ion Ratio Lower Upper
284 100
142 28.8 28.7 43.1
249 31.3 25.5 38.3





#70
Atrazine
Concen: 3.899 ng/ul
RT: 16.836 min Scan# 2349
Delta R.T. -0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

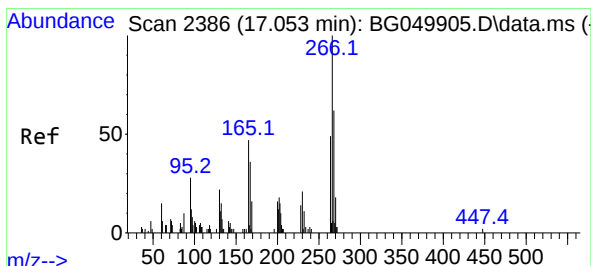
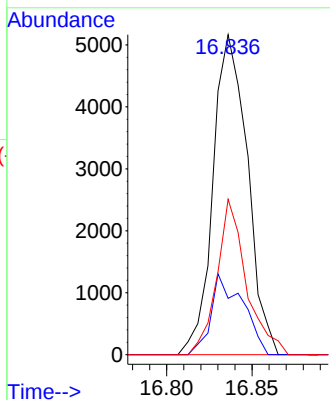
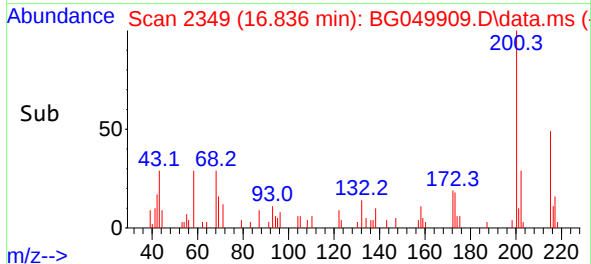
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-06



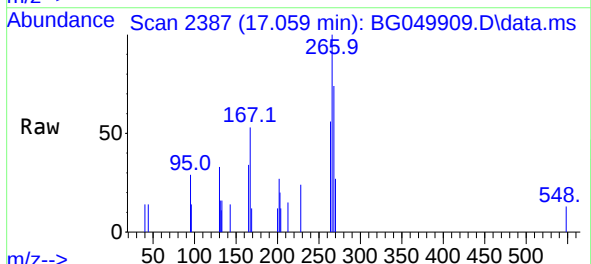
Tgt Ion:200 Resp: 7247
Ion Ratio Lower Upper
200 100
173 17.6 19.3 28.9#
215 48.6 34.9 52.3

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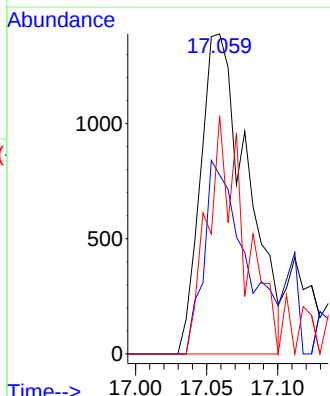
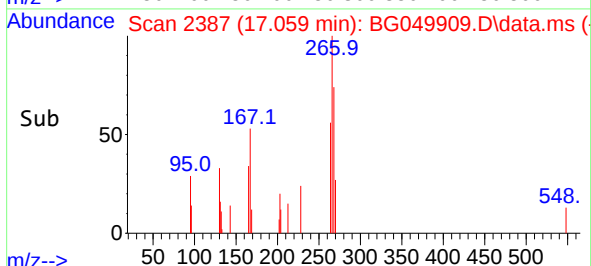
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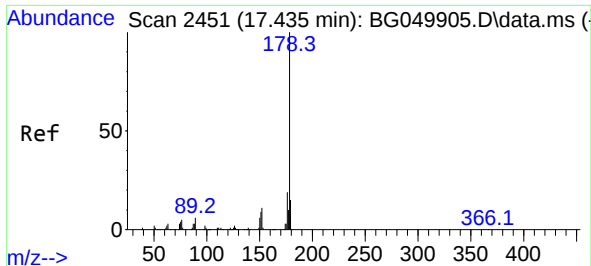


#71
Pentachlorophenol
Concen: 3.695 ng/ul
RT: 17.059 min Scan# 2387
Delta R.T. 0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



Tgt Ion:266 Resp: 3176
Ion Ratio Lower Upper
266 100
264 55.9 54.1 81.1
268 74.4 52.6 78.8





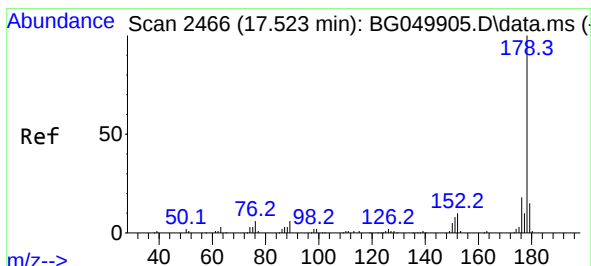
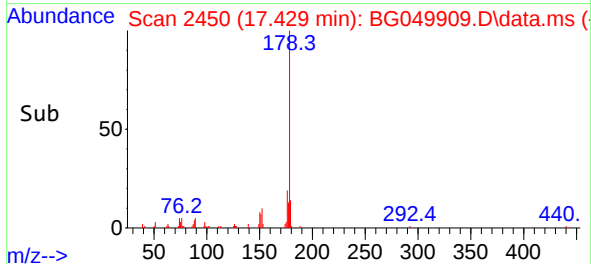
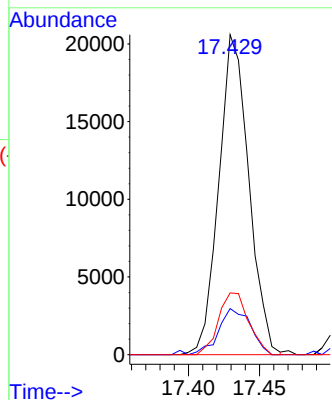
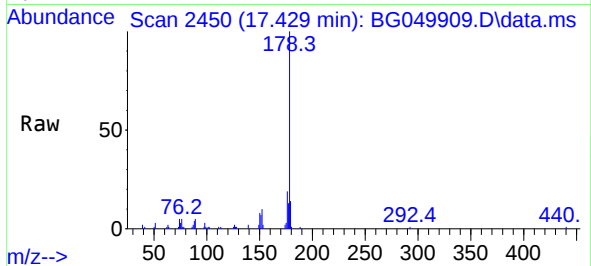
#72
Phenanthrene
Concen: 3.811 ng/uI
RT: 17.429 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:	178	Resp:	30186
Ion Ratio	Lower	Upper	
178	100		
179	14.4	11.7	17.5
176	19.3	16.2	24.2

Instrument :
BNA_G
ClientSampleId :
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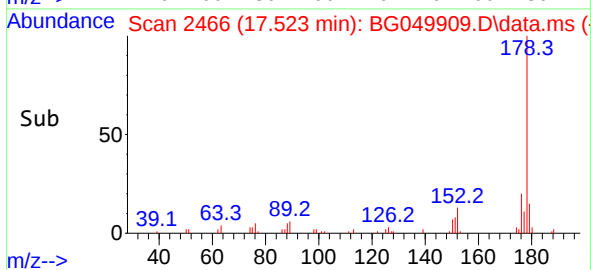
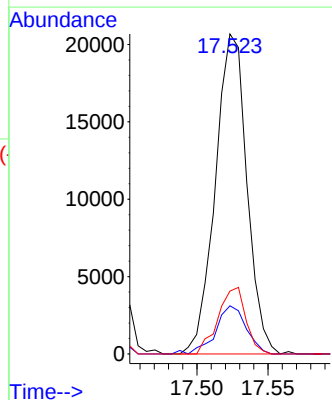
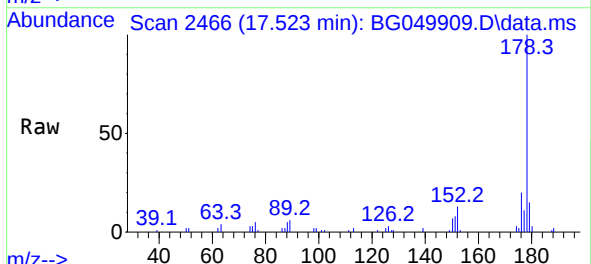
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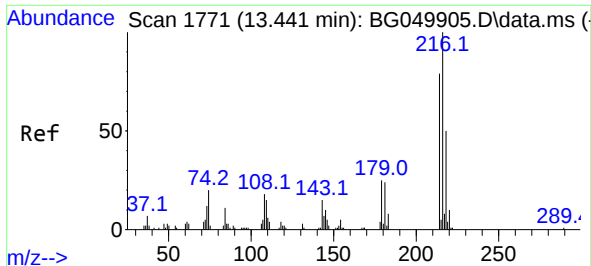
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#74
Anthracene
Concen: 3.980 ng/uI
RT: 17.523 min Scan# 2466
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

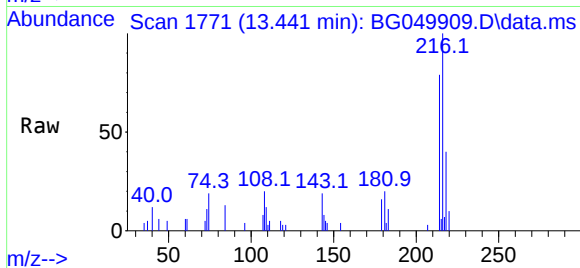
Tgt Ion:	178	Resp:	31951
Ion Ratio	Lower	Upper	
178	100		
179	15.1	11.4	17.0
176	19.7	12.8	19.2#





#75
1,2,3,4-Tetrachlorobenzene
Concen: 3.483 ng/uL
RT: 13.441 min Scan# 1771
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

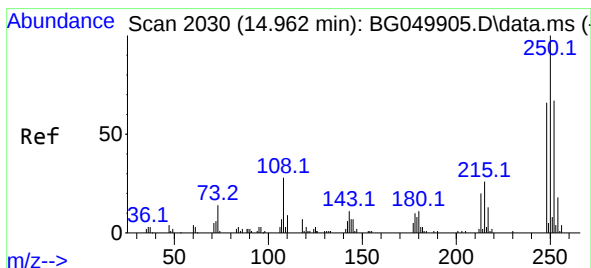
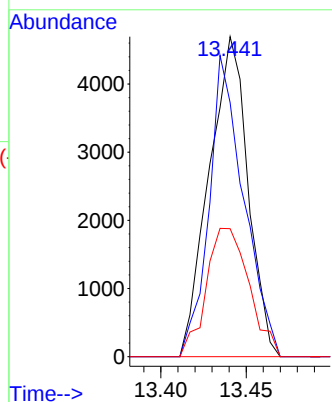
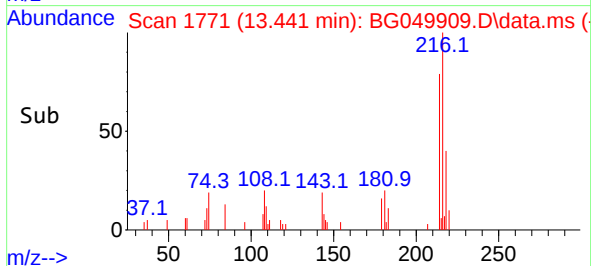
Instrument :
BNA_G
ClientSampleId :
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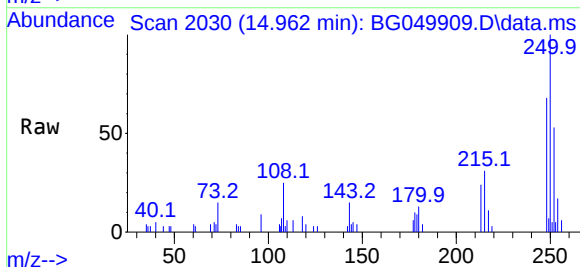
Tgt Ion:216 Resp: 7426
Ion Ratio Lower Upper
216 100
214 79.4 70.9 106.3
218 40.0 40.9 61.3#

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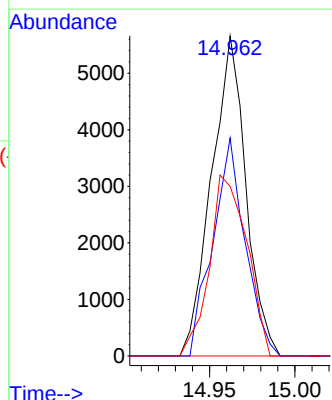
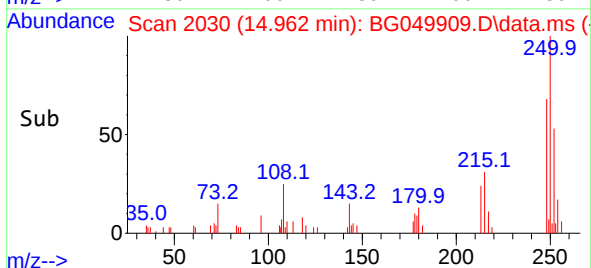
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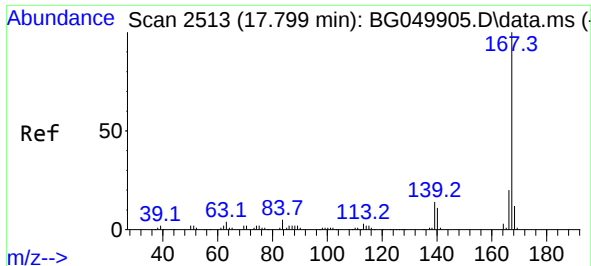


#76
Pentachlorobenzene
Concen: 3.514 ng/uL
RT: 14.962 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

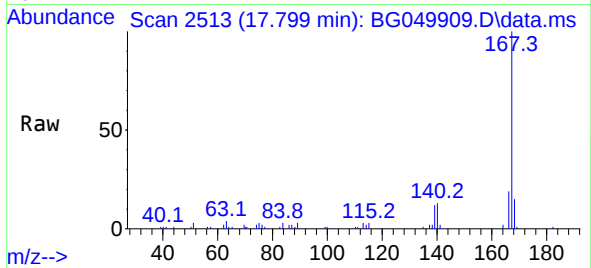


Tgt Ion:250 Resp: 7939
Ion Ratio Lower Upper
250 100
248 68.1 51.5 77.3
252 53.0 47.9 71.9

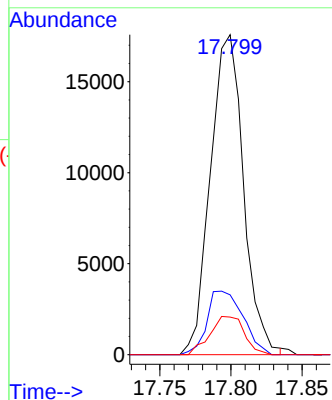




#77
 Carbazole
 Concen: 3.990 ng/ul
 RT: 17.799 min Scan# 2513
 Delta R.T. -0.000 min
 Lab File: BG049909.D
 Acq: 20 Aug 2021 14:24



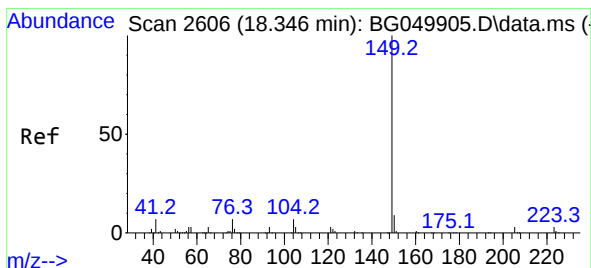
Tgt Ion:	167	Resp:	28501
Ion Ratio	Lower	Upper	
167	100		
166	18.7	17.8	26.8
139	11.7	11.1	16.7



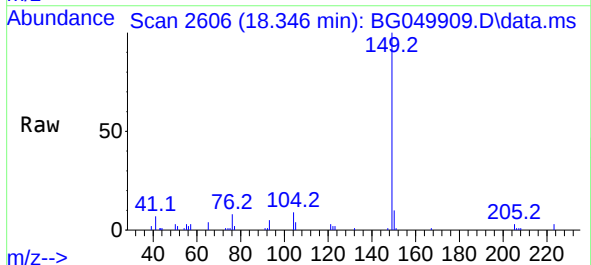
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT3-2021-06

Manual Integrations
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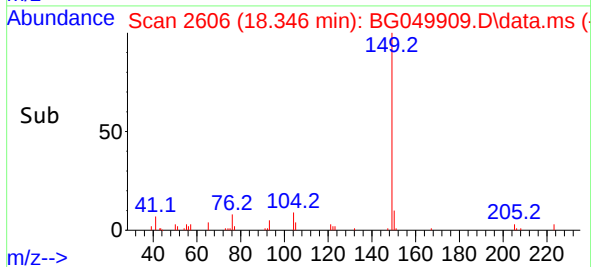
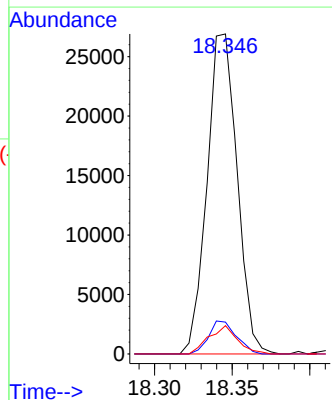
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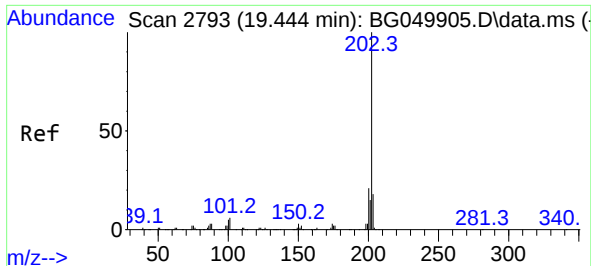


#78
 Di-n-butylphthalate
 Concen: 3.979 ng/ul
 RT: 18.346 min Scan# 2606
 Delta R.T. -0.000 min
 Lab File: BG049909.D
 Acq: 20 Aug 2021 14:24



Tgt Ion:	149	Resp:	36353
Ion Ratio	Lower	Upper	
149	100		
150	9.9	8.1	12.1
104	8.9	5.3	7.9#





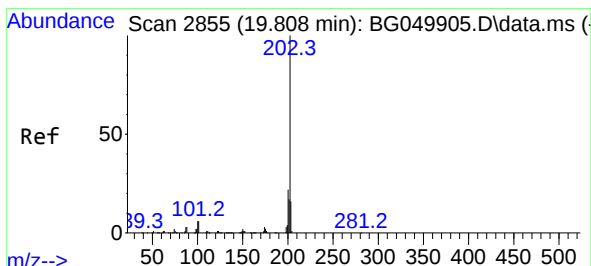
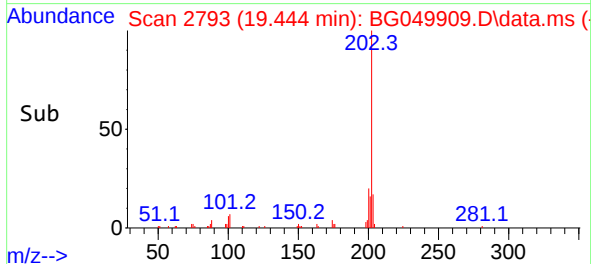
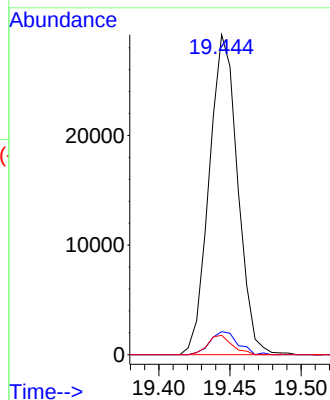
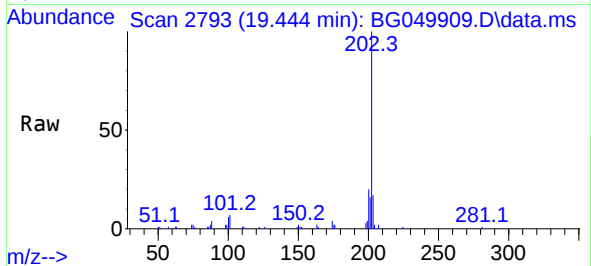
#80
Fluoranthene
Concen: 3.336 ng/u1
RT: 19.444 min Scan# 2793
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

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Tgt Ion:202 Resp: 40760
Ion Ratio Lower Upper
202 100
101 7.2 4.3 6.5#
100 6.1 3.5 5.3#

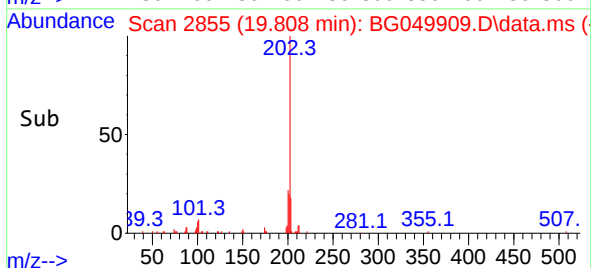
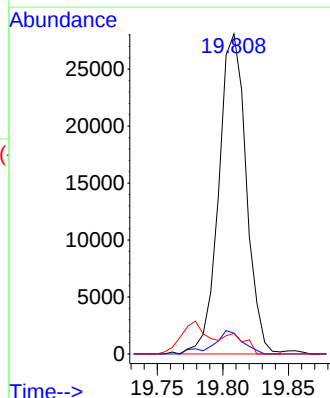
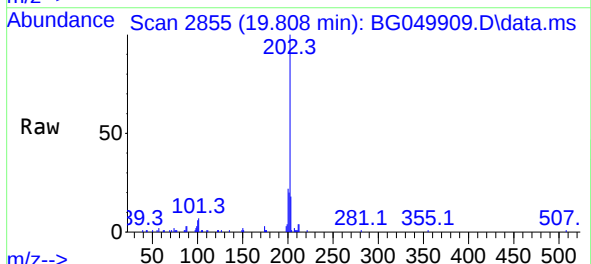
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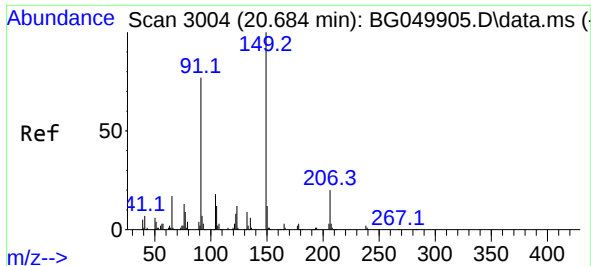
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#82
Pyrene
Concen: 3.374 ng/u1
RT: 19.808 min Scan# 2855
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:202 Resp: 40861
Ion Ratio Lower Upper
202 100
101 6.5 5.4 8.0
100 6.4 5.0 7.6





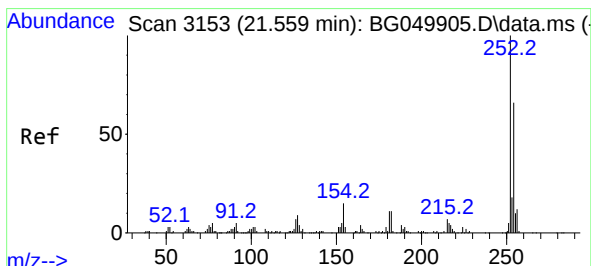
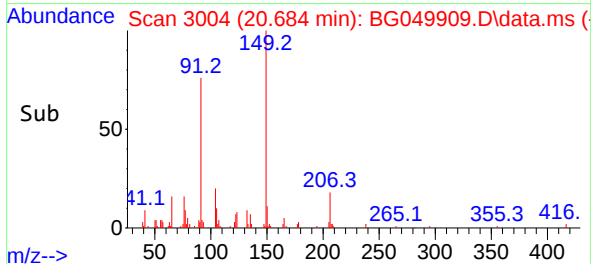
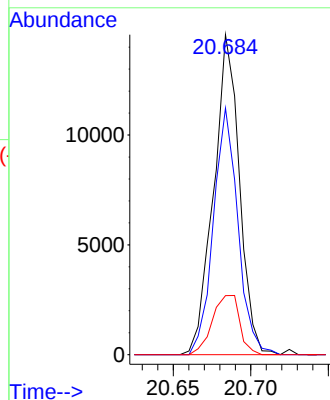
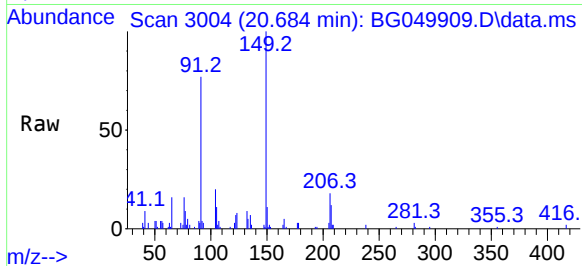
#83
Butylbenzylphthalate
Concen: 3.524 ng/ul
RT: 20.684 min Scan# 3004
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:	149	Resp:	16838
Ion Ratio	Lower	Upper	
149	100		
91	77.0	60.6	90.8
206	18.4	16.8	25.2

Instrument :
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ClientSampleId :
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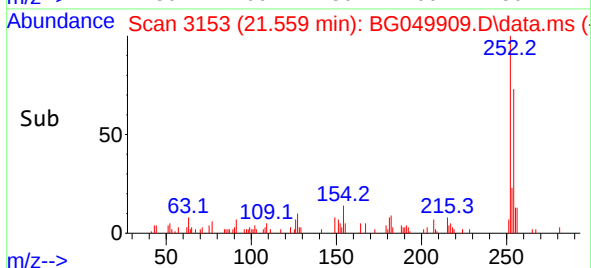
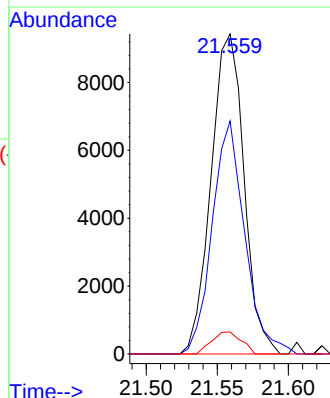
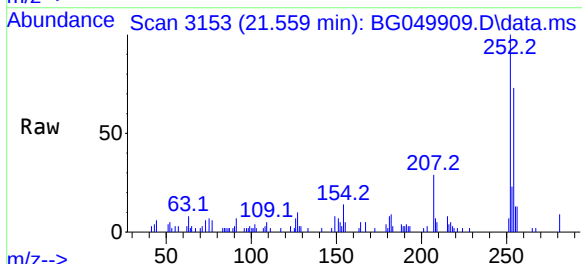
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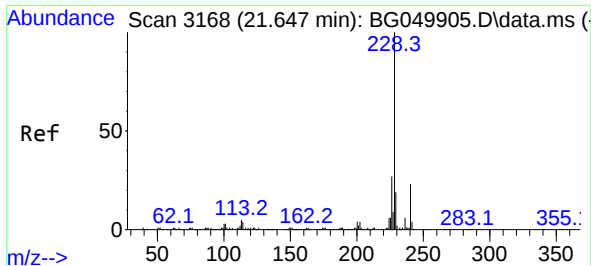
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#84
3,3'-Dichlorobenzidine
Concen: 3.500 ng/ul
RT: 21.559 min Scan# 3153
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

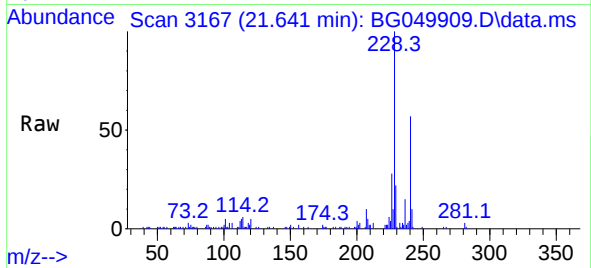
Tgt Ion:	252	Resp:	15204
Ion Ratio	Lower	Upper	
252	100		
254	72.8	54.2	81.2
126	6.8	5.4	8.0





#85
Benzo(a)anthracene
Concen: 3.737 ng/ul
RT: 21.641 min Scan# 3167
Delta R.T. -0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

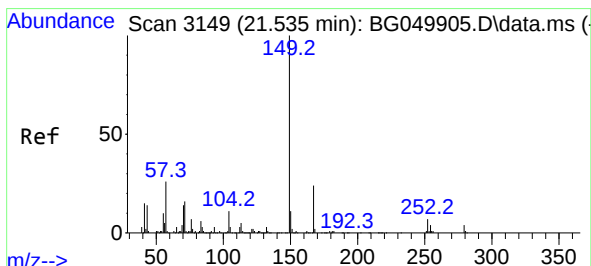
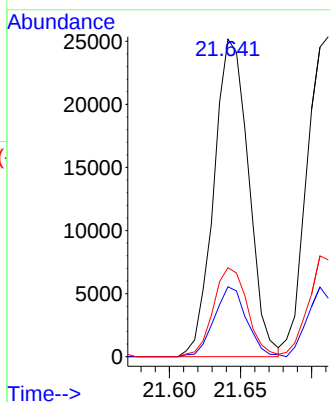
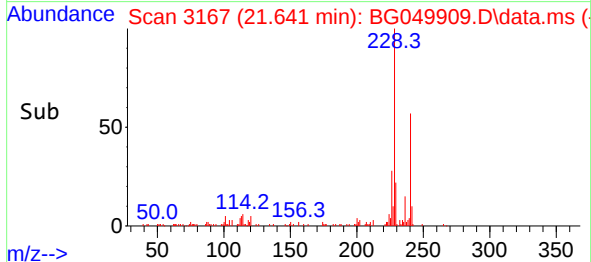
Instrument :
BNA_G
ClientSampleId :
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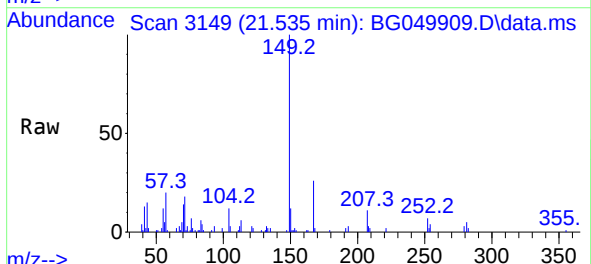
Tgt Ion:228 Resp: 42669
Ion Ratio Lower Upper
228 100
229 22.0 16.2 24.4
226 28.0 21.0 31.4

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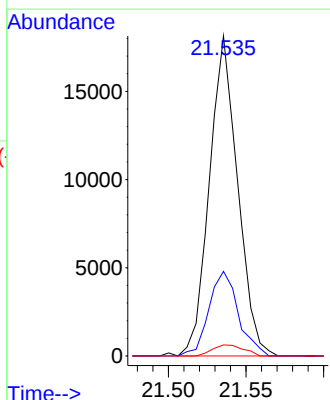
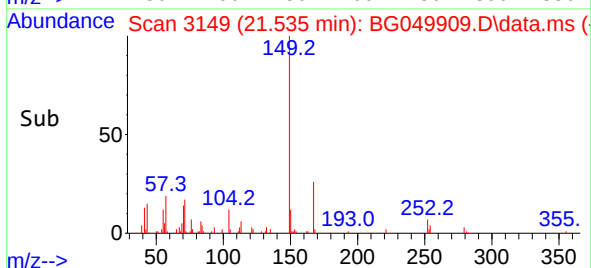
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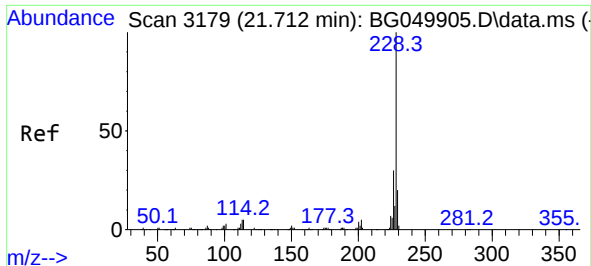


#86
Bis(2-ethylhexyl)phthalate
Concen: 3.499 ng/ul
RT: 21.535 min Scan# 3149
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

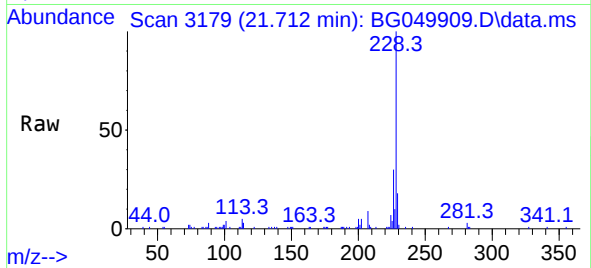


Tgt Ion:149 Resp: 22961
Ion Ratio Lower Upper
149 100
167 26.5 20.4 30.6
279 3.5 3.7 5.5#

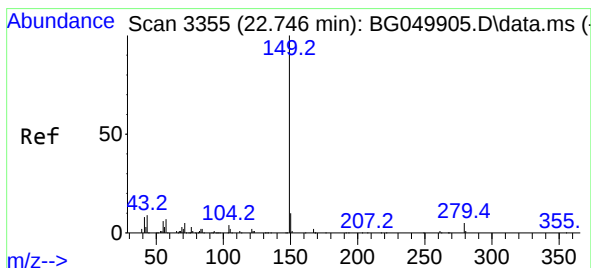
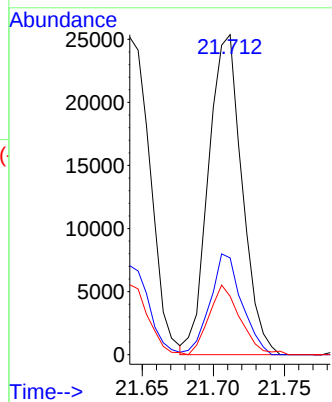
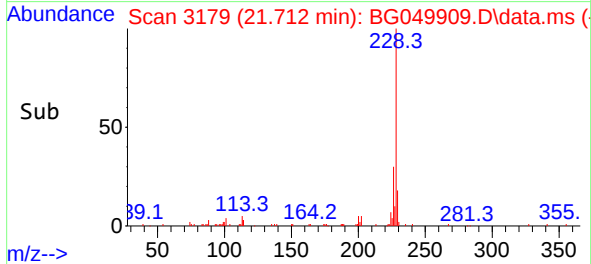




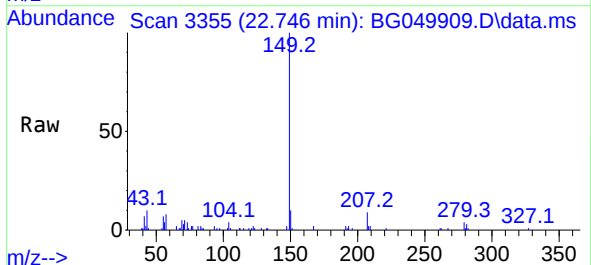
#87
Chrysene
Concen: 3.862 ng/u1
RT: 21.712 min Scan# 3179
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



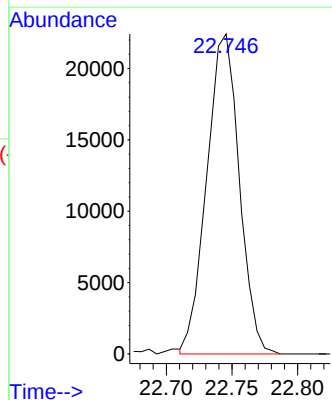
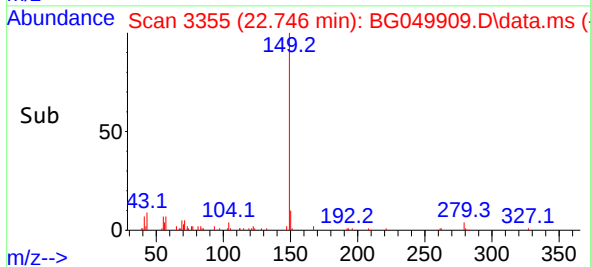
Tgt Ion:228 Resp: 41680
Ion Ratio Lower Upper
228 100
226 30.2 23.0 34.4
229 18.3 17.8 26.6



#89
Di-n-octyl phthalate
Concen: 3.657 ng/u1
RT: 22.746 min Scan# 3355
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



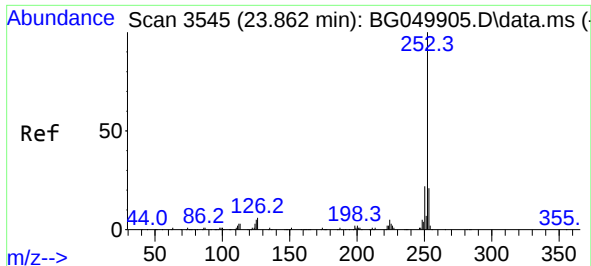
Tgt Ion:149 Resp: 38705



Instrument :
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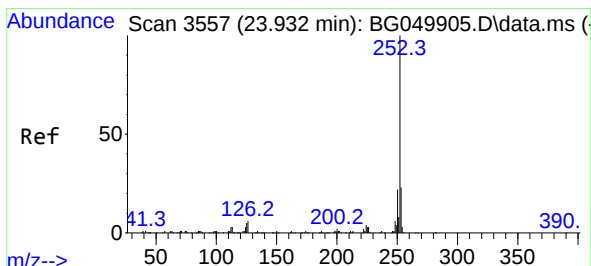
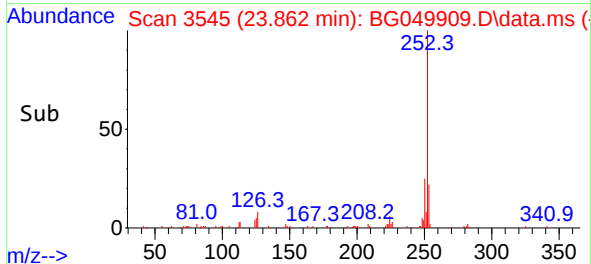
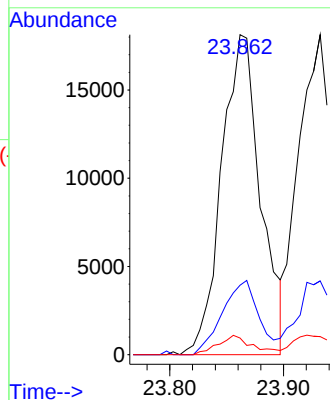
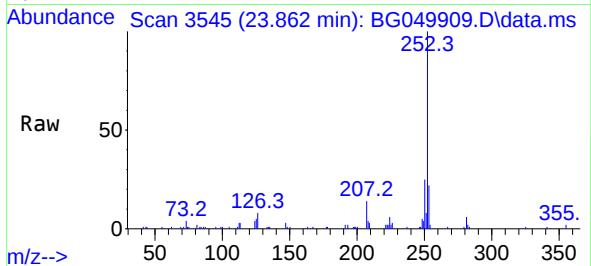
#90
Benzo(b)fluoranthene
Concen: 3.777 ng/ul
RT: 23.862 min Scan# 3545
Delta R.T. -0.000 min
Lab File: BG049909.D
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Tgt Ion:252 Resp: 43111
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 5.2 3.4 5.0#

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-06

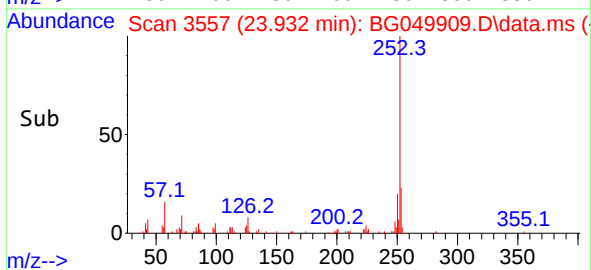
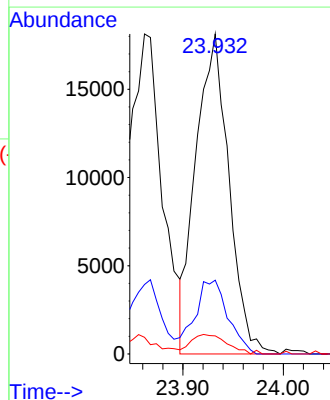
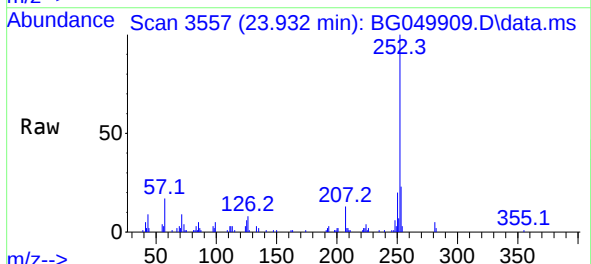
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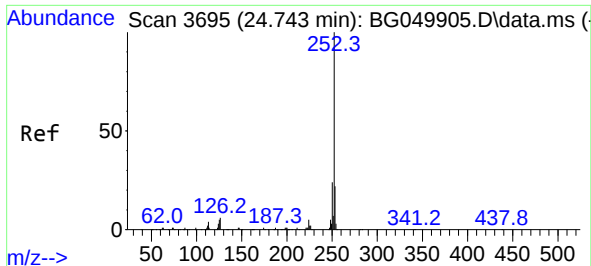
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#91
Benzo(k)fluoranthene
Concen: 3.818 ng/ul
RT: 23.932 min Scan# 3557
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:252 Resp: 41423
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 5.7 4.1 6.1





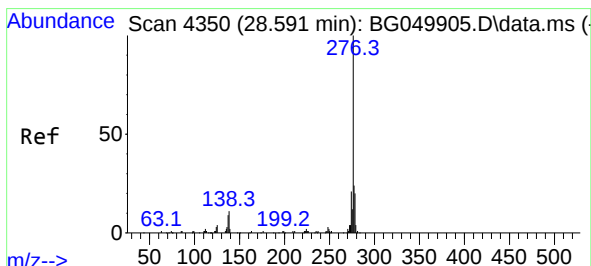
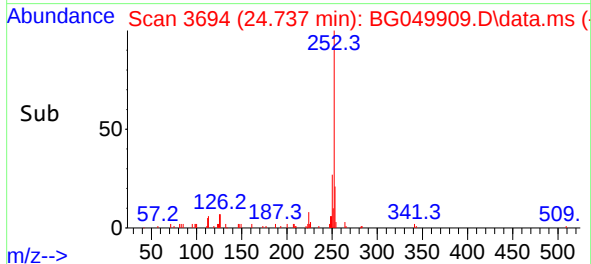
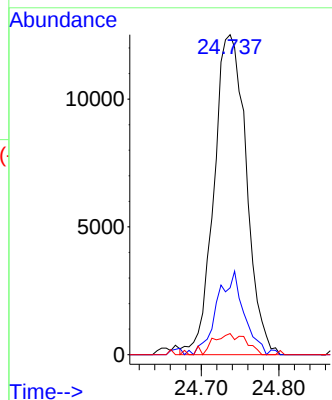
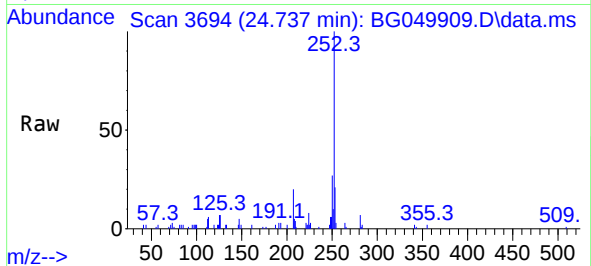
#93
Benzo(a)pyrene
Concen: 3.649 ng/ul
RT: 24.737 min Scan# 3694
Delta R.T. -0.006 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

Tgt Ion:	252	Resp:	36165
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.0	25.4
125	6.6	4.4	6.6#

Instrument :
BNA_G
ClientSampleId :
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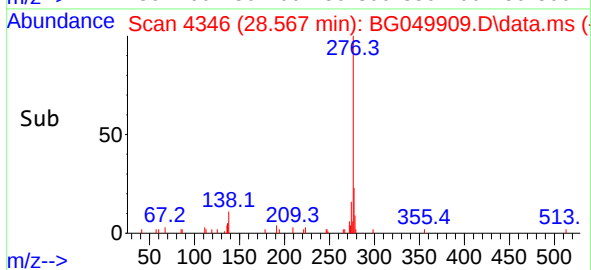
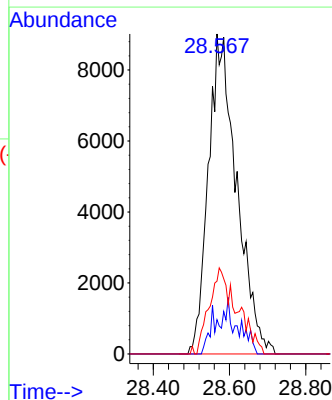
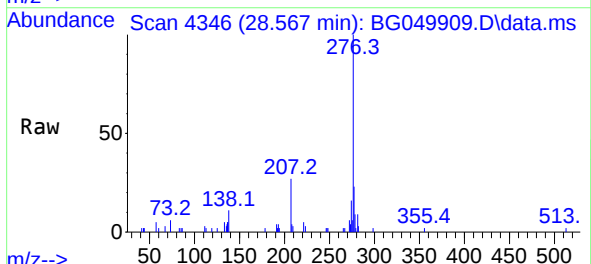
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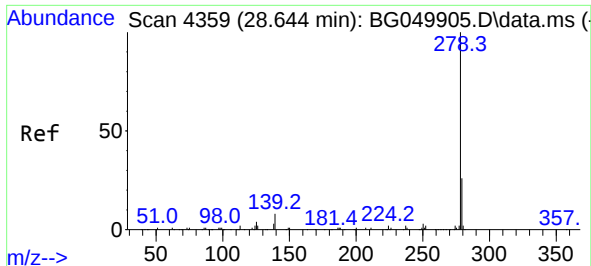
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#94
Indeno(1,2,3-cd)pyrene
Concen: 3.555 ng/ul m
RT: 28.567 min Scan# 4346
Delta R.T. -0.024 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

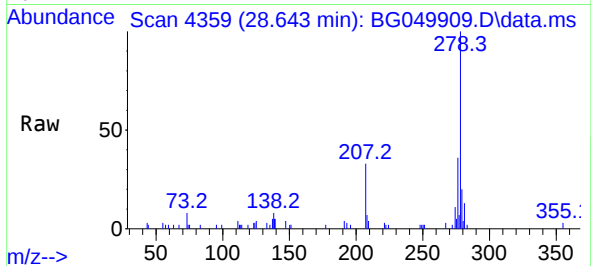
Tgt Ion:	276	Resp:	46484
Ion Ratio	Lower	Upper	
276	100		
138	10.7	5.5	8.3#
277	22.8	18.6	27.8





#95
Dibenzo(a,h)anthracene
Concen: 3.444 ng/ul m
RT: 28.643 min Scan# 4359
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24

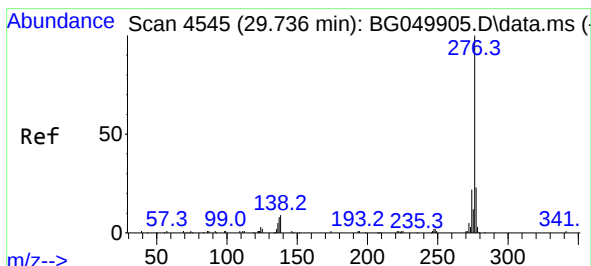
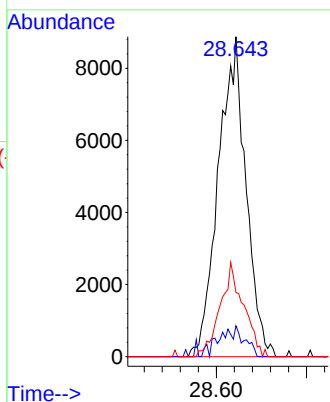
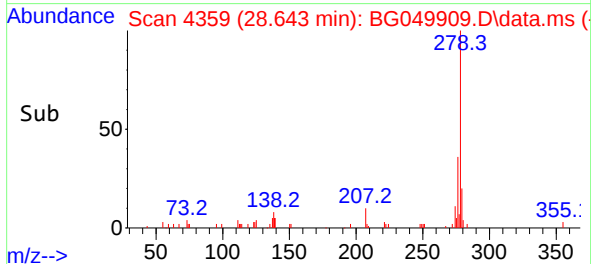
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-06



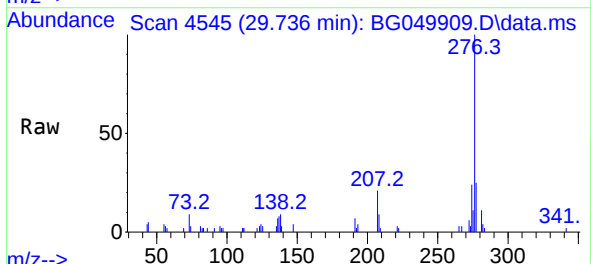
Tgt Ion:278 Resp: 37693
Ion Ratio Lower Upper
278 100
139 5.0 5.2 7.8#
279 20.1 19.0 28.4

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#96
Benzo(g,h,i)perylene
Concen: 3.518 ng/ul m
RT: 29.736 min Scan# 4545
Delta R.T. -0.000 min
Lab File: BG049909.D
Acq: 20 Aug 2021 14:24



Tgt Ion:276 Resp: 38666
Ion Ratio Lower Upper
276 100
138 9.3 8.6 13.0
277 24.9 17.4 26.0

