

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
 Data File : BG049901.D
 Acq On : 19 Aug 2021 20:20
 Operator : CG/JU
 Sample : M2250-05
 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT3-2021-05

Manual Integrations
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Quant Time: Aug 20 00:56:44 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 19 13:35:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.979	152	32390	20.000	ng/u1	0.00
20) Naphthalene-d8	10.799	136	131146	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.635	164	93119	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.384	188	212653	20.000	ng/u1	0.00
79) Chrysene-d12	21.655	240	214052	20.000	ng/u1	0.00
88) Perylene-d12	24.885	264	205033	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.350	96	2764	4.400	ng/uL	0.00
4) Pyridine-d5	3.773	84	30084	15.901	ng/u1	0.00
7) Phenol-d5	7.145	99	58935	21.427	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.298	67	35290	23.095	ng/u1	0.00
11) 2-Chlorophenol-d4	7.509	132	44947	21.840	ng/u1	0.00
15) 4-Methylphenol-d8	8.696	113	44778	20.672	ng/u1	0.00
21) Nitrobenzene-d5	9.148	128	23989	23.594	ng/u1	0.00
24) 2-Nitrophenol-d4	9.870	143	27388	22.622	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.423	165	46518	21.542	ng/u1	0.00
31) 4-Chloroaniline-d4	10.934	131	60386	20.545	ng/u1	0.00
46) Dimethylphthalate-d6	14.035	166	164516	23.085	ng/u1	0.00
49) Acenaphthylene-d8	14.329	160	192518	23.040	ng/u1	0.00
54) 4-Nitrophenol-d4	14.852	143	20096	19.490	ng/u1	0.00
60) Fluorene-d10	15.627	176	136570	22.602	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.757	200	26953	19.701	ng/u1	0.00
73) Anthracene-d10	17.484	188	219157	22.950	ng/u1	0.00
81) Pyrene-d10	19.775	212	257262	22.241	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.662	264	261097	24.003	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.391	88	945m	1.234	ng/uL	
5) Pyridine	3.796	79	8414m	4.115	ng/u1	
6) Benzaldehyde	7.110	77	7952	5.024	ng/u1	90
8) Phenol	7.174	94	11323	4.076	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.397	93	7718	4.024	ng/u1	96
12) 2-Chlorophenol	7.550	128	8571	4.215	ng/u1#	89
13) 2-Methylphenol	8.425	108	8329	3.886	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.514	45	8315	4.135	ng/u1	97
16) Acetophenone	8.807	105	14996	4.245	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.784	70	8492	4.788	ng/u1	94
18) 4-Methylphenol	8.760	108	9719	4.215	ng/u1	96
19) Hexachloroethane	9.066	117	4491	5.046	ng/u1#	83
22) Nitrobenzene	9.195	77	12723m	4.618	ng/u1	
23) Isophorone	9.712	82	21216	4.322	ng/u1	96
25) 2-Nitrophenol	9.906	139	4621m	3.926	ng/u1	
26) 2,4-Dimethylphenol	9.964	107	11675	4.463	ng/u1#	87
27) Bis(2-Chloroethoxy)met...	10.199	93	11401	4.498	ng/u1#	90
29) 2,4-Dichlorophenol	10.452	162	9043	4.563	ng/u1	94
30) Naphthalene	10.846	128	28891	4.407	ng/u1#	90
32) 4-Chloroaniline	10.957	127	11881	4.197	ng/u1	95
33) Hexachlorobutadiene	11.133	225	6804	4.244	ng/u1#	81
34) Caprolactam	11.739	113	2561m	3.689	ng/u1	
35) 4-Chloro-3-methylphenol	12.097	107	10683	4.510	ng/u1#	81
36) 2-Methylnaphthalene	12.461	142	22436	4.604	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.678	142	21922	4.457	ng/ul#	98
39) 1,2,4,5-Tetrachloroben...	12.831	216	12745	4.660	ng/ul#	89
40) Hexachlorocyclopentadiene	12.802	237	7920	6.470	ng/ul#	78
41) 2,4,6-Trichlorophenol	13.072	196	7400	4.246	ng/ul#	94
42) 2,4,5-Trichlorophenol	13.154	196	7582	4.151	ng/ul#	95
43) 1,1'-Biphenyl	13.466	154	28175	4.331	ng/ul	98
44) 2-Chloronaphthalene	13.507	162	23007	4.403	ng/ul	99
45) 2-Nitroaniline	13.718	65	7432	4.189	ng/ul	95
47) Dimethylphthalate	14.082	163	31685	4.493	ng/ul#	97
48) 2,6-Dinitrotoluene	14.212	165	6374	4.377	ng/ul	90
50) Acenaphthylene	14.359	152	34627	4.534	ng/ul	99
51) 3-Nitroaniline	14.547	138	6367	4.531	ng/ul#	79
52) Acenaphthene	14.699	153	25276	4.563	ng/ul	99
53) 2,4-Dinitrophenol	14.770	184	3813m	5.127	ng/ul	
55) 4-Nitrophenol	14.864	109	4791m	3.665	ng/ul	
56) Dibenzofuran	15.034	168	33499	4.366	ng/ul	95
57) 2,4-Dinitrotoluene	15.005	165	9246	4.414	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	15.269	232	5917	3.909	ng/ul#	95
59) Diethylphthalate	15.445	149	32921	4.563	ng/ul#	97
61) Fluorene	15.680	166	28466	4.398	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.674	204	15979	4.666	ng/ul	96
63) 4-Nitroaniline	15.704	138	6956m	4.961	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.774	198	5100	4.113	ng/ul#	84
67) N-Nitrosodiphenylamine	15.886	169	23469	4.192	ng/ul	98
68) 4-Bromophenyl-phenylether	16.567	248	10109	4.297	ng/ul	97
69) Hexachlorobenzene	16.691	284	11505	4.235	ng/ul	97
70) Atrazine	16.832	200	11753	4.725	ng/ul	96
71) Pentachlorophenol	17.061	266	5112m	4.444	ng/ul	
72) Phenanthrene	17.425	178	46408	4.378	ng/ul	96
74) Anthracene	17.525	178	46345	4.314	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.436	216	11433	4.007	ng/ul	89
76) Pentachlorobenzene	14.958	250	12513	4.139	ng/ul	97
77) Carbazole	17.789	167	41457	4.337	ng/ul#	91
78) Di-n-butylphthalate	18.341	149	55681	4.554	ng/ul	98
80) Fluoranthene	19.440	202	60574	4.244	ng/ul	99
82) Pyrene	19.804	202	61572	4.353	ng/ul	98
83) Butylbenzylphthalate	20.679	149	24212	4.338	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.555	252	22534	4.441	ng/ul#	99
85) Benzo(a)anthracene	21.643	228	59098	4.431	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.531	149	33196	4.331	ng/ul	96
87) Chrysene	21.702	228	55383	4.393	ng/ul	97
89) Di-n-octyl phthalate	22.735	149	52729	4.335	ng/ul	100
90) Benzo(b)fluoranthene	23.852	252	57508	4.385	ng/ul#	99
91) Benzo(k)fluoranthene	23.916	252	58022m	4.654	ng/ul	
93) Benzo(a)pyrene	24.733	252	49171	4.317	ng/ul#	99
94) Indeno(1,2,3-cd)pyrene	28.575	276	62473	4.158	ng/ul	99
95) Dibenzo(a,h)anthracene	28.616	278	53832	4.280	ng/ul#	96
96) Benzo(g,h,i)perylene	29.726	276	54309m	4.299	ng/ul	

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

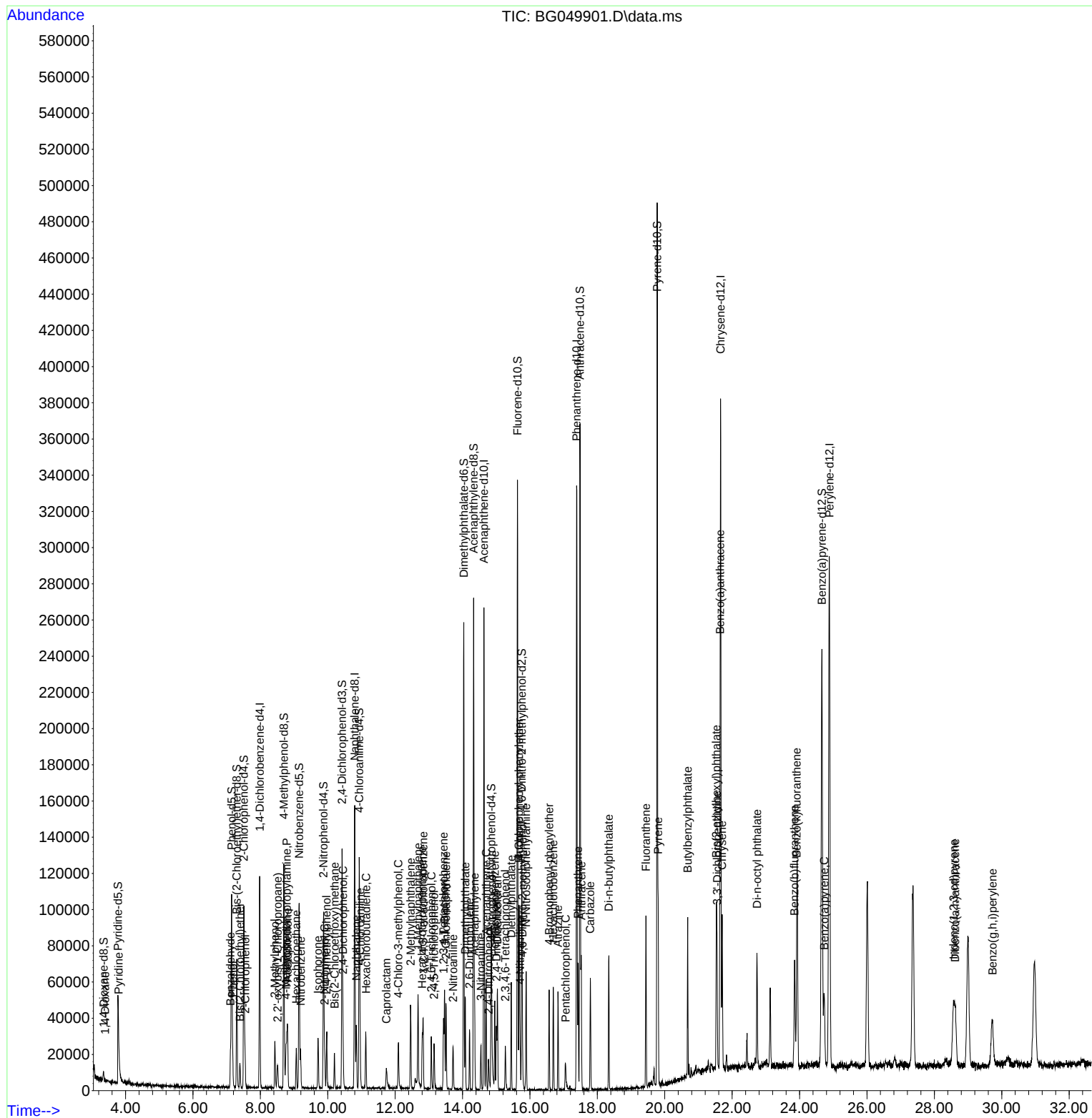
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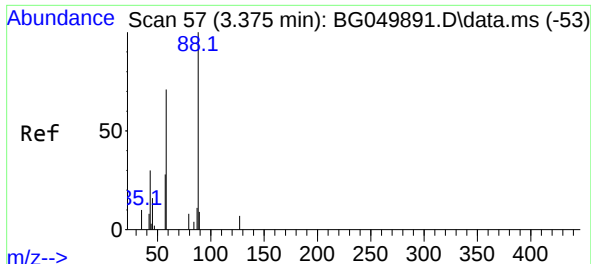
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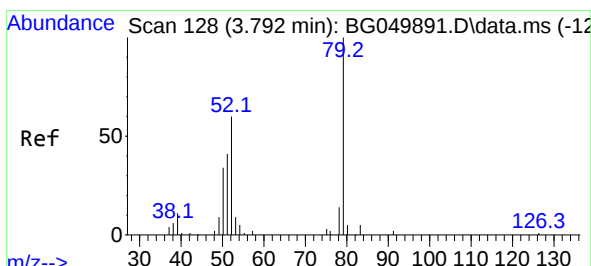
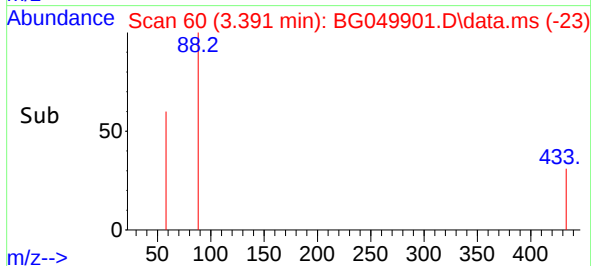
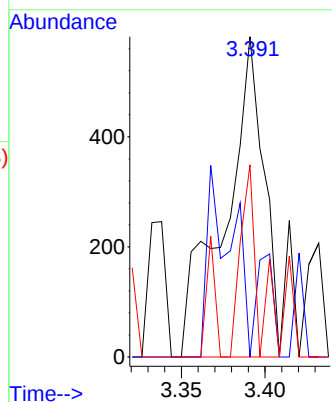
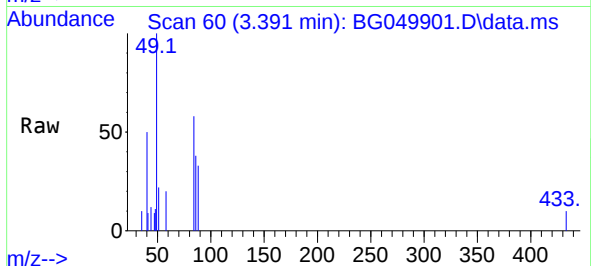
#2
1,4-Dioxane
Concen: 1.234 ng/uL m
RT: 3.391 min Scan# 60
Delta R.T. 0.016 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion: 88 Resp: 945
Ion Ratio Lower Upper
88 100
43 0.0 21.6 32.4#
58 60.0 52.0 78.0

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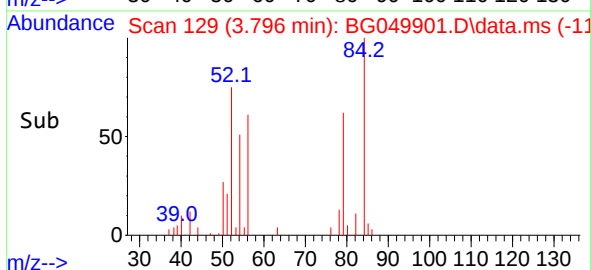
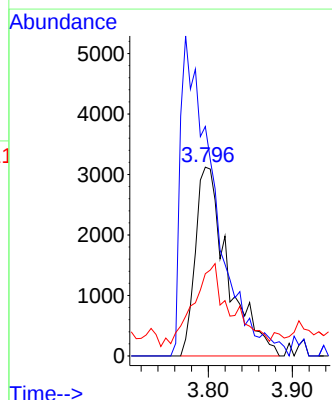
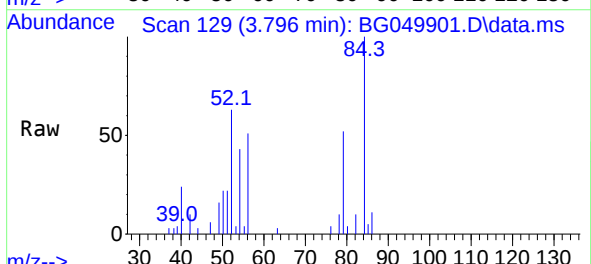
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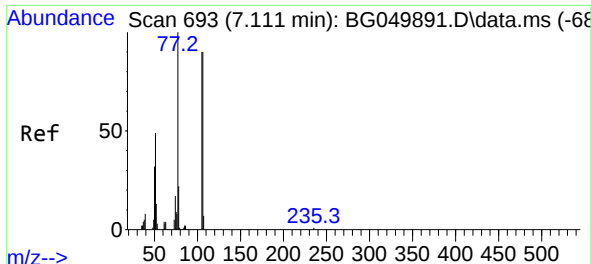
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#5
Pyridine
Concen: 4.115 ng/uL m
RT: 3.796 min Scan# 129
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

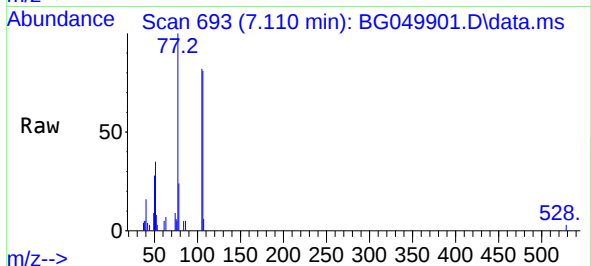
Tgt Ion: 79 Resp: 8414
Ion Ratio Lower Upper
79 100
52 121.6 61.1 91.7#
51 43.6 34.8 52.2





#6
Benzaldehyde
Concen: 5.024 ng/ul
RT: 7.110 min Scan# 693
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

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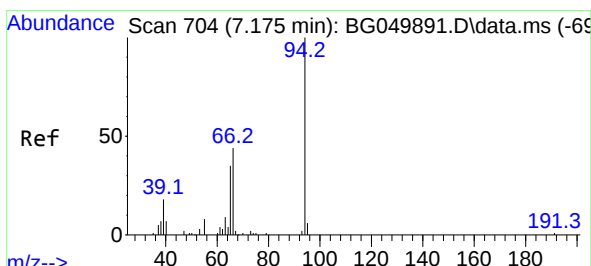
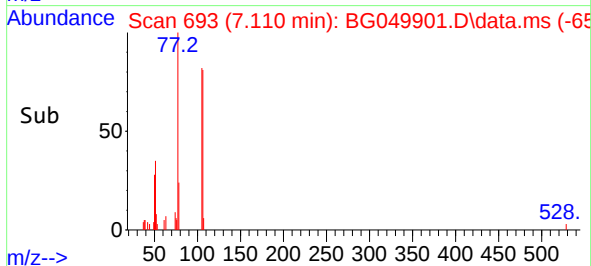
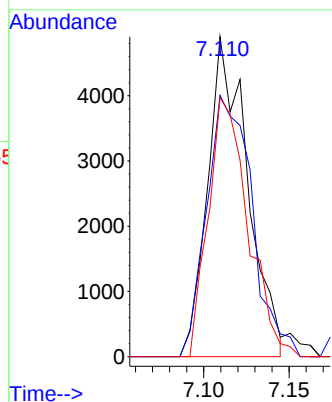


Tgt Ion: 77 Resp: 7952

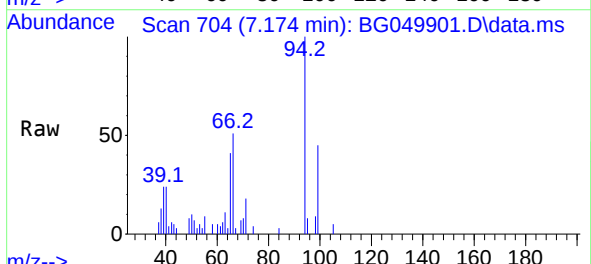
Ion	Ratio	Lower	Upper
77	100		
105	81.6	72.3	108.5
106	81.0	72.3	108.5

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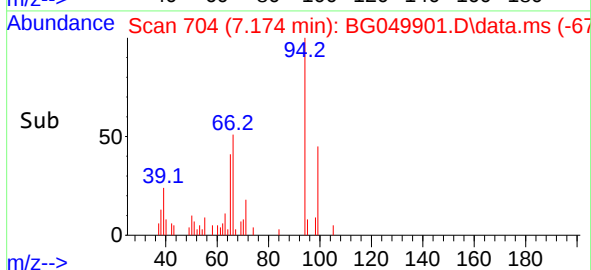
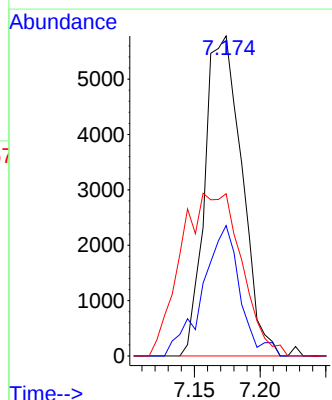


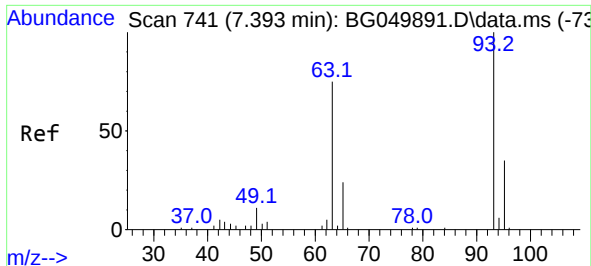
#8
Phenol
Concen: 4.076 ng/ul
RT: 7.174 min Scan# 704
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



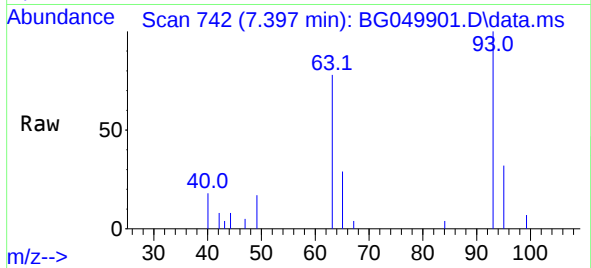
Tgt Ion: 94 Resp: 11323

Ion	Ratio	Lower	Upper
94	100		
65	40.8	27.7	41.5
66	50.7	39.0	58.4



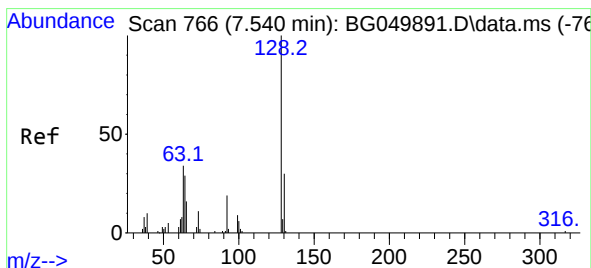
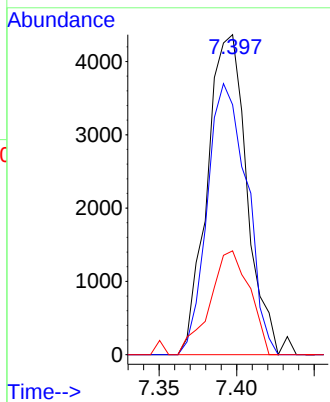
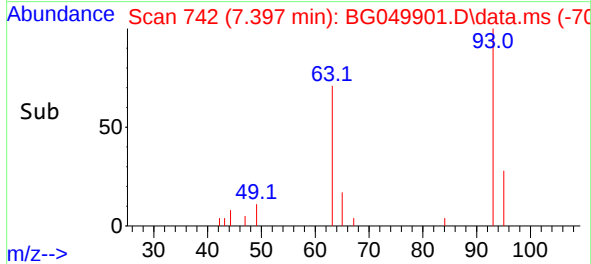


#10
Bis(2-Chloroethyl)ether
Concen: 4.024 ng/ul
RT: 7.397 min Scan# 742
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

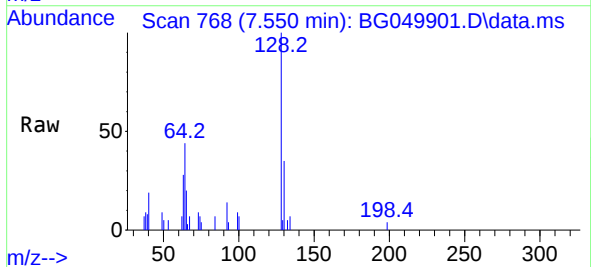


Tgt Ion: 93 Resp: 7718

Ion	Ratio	Lower	Upper
93	100		
63	78.1	59.9	89.9
95	32.4	27.6	41.4

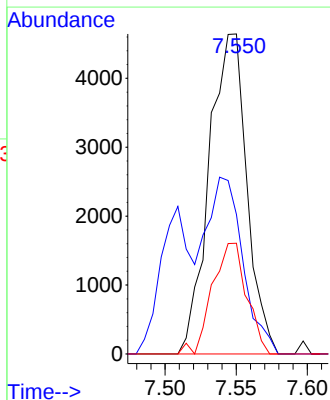
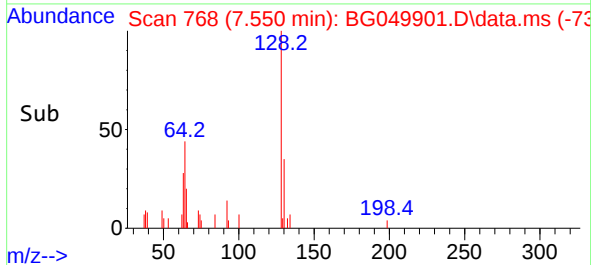


#12
2-Chlorophenol
Concen: 4.215 ng/ul
RT: 7.550 min Scan# 768
Delta R.T. 0.010 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



Tgt Ion: 128 Resp: 8571

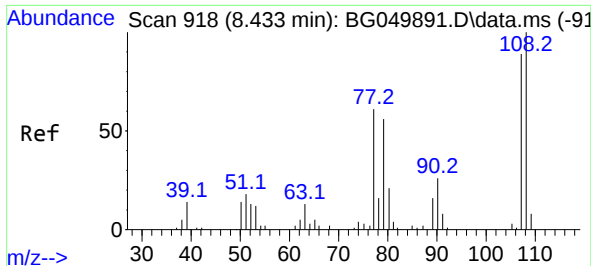
Ion	Ratio	Lower	Upper
128	100		
64	43.6	28.0	42.0#
130	34.6	24.4	36.6



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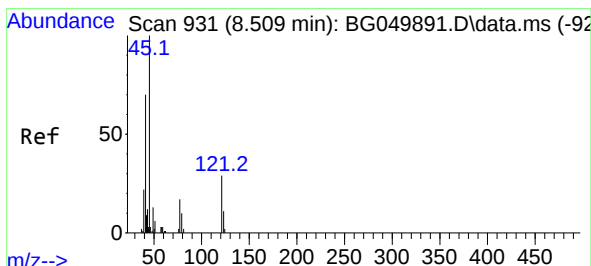
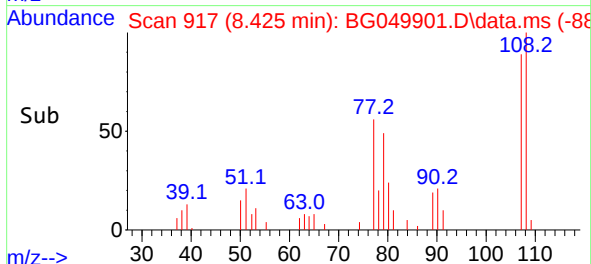
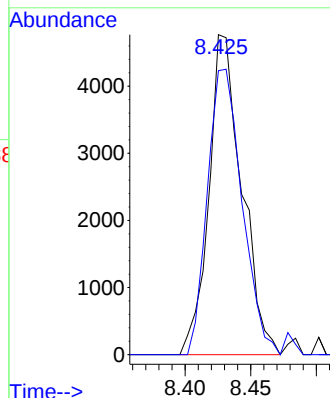
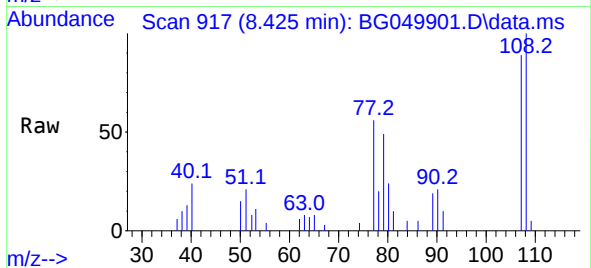
#13
2-Methylphenol
Concen: 3.886 ng/ul
RT: 8.425 min Scan# 917
Delta R.T. -0.007 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion: 108 Resp: 8329
Ion Ratio Lower Upper
108 100
107 88.7 71.0 106.4

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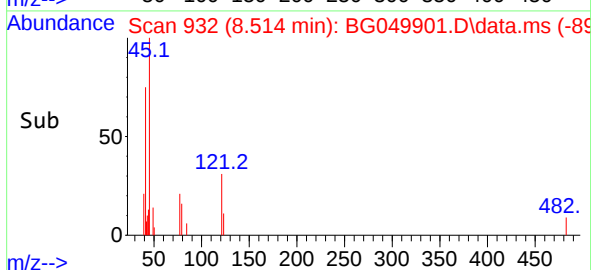
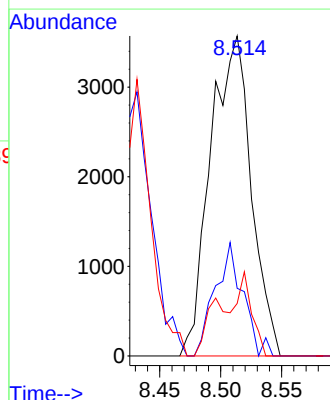
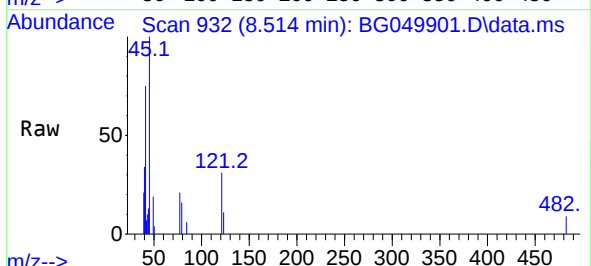
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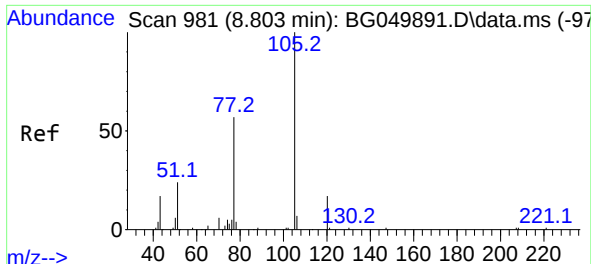
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#14
2,2'-oxybis(1-Chloropropane)
Concen: 4.135 ng/ul
RT: 8.514 min Scan# 932
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

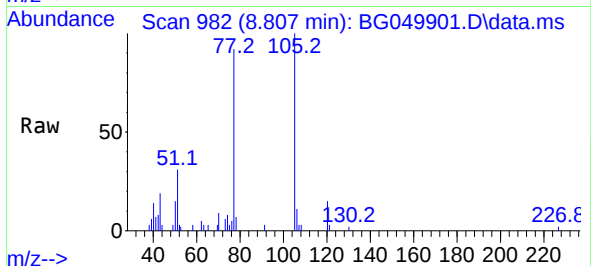
Tgt Ion: 45 Resp: 8315
Ion Ratio Lower Upper
45 100
77 21.1 16.9 25.3
79 16.4 11.0 16.4





#16
Acetophenone
Concen: 4.245 ng/ul
RT: 8.807 min Scan# 982
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

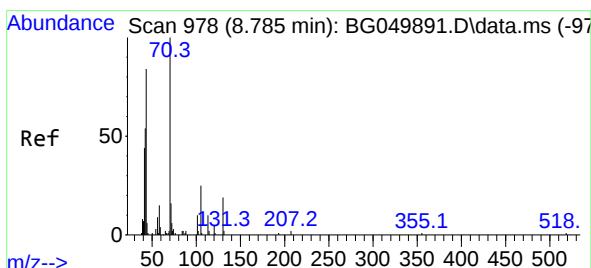
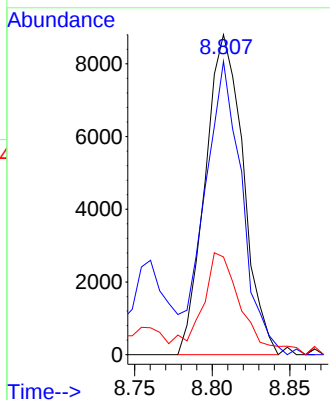
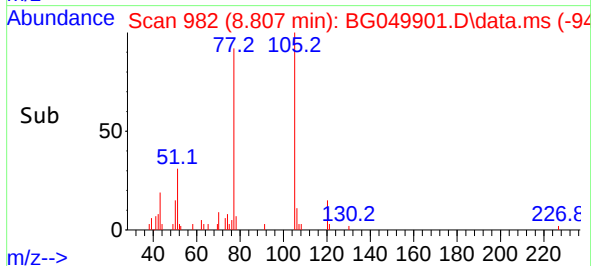
Instrument :
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ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



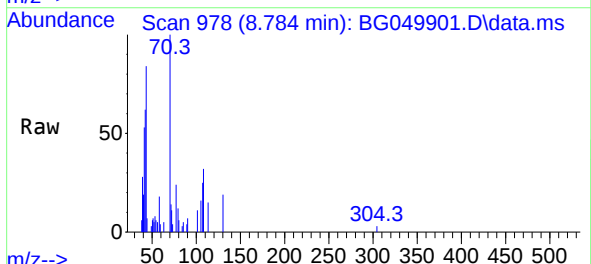
Tgt Ion:105 Resp: 14996
Ion Ratio Lower Upper
105 100
77 91.7 67.7 101.5
51 30.5 25.3 37.9

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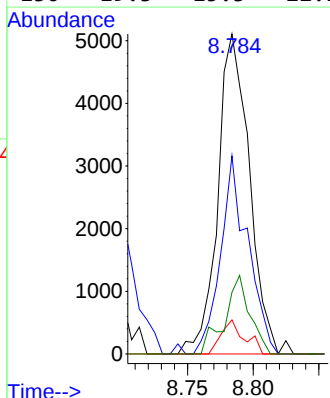
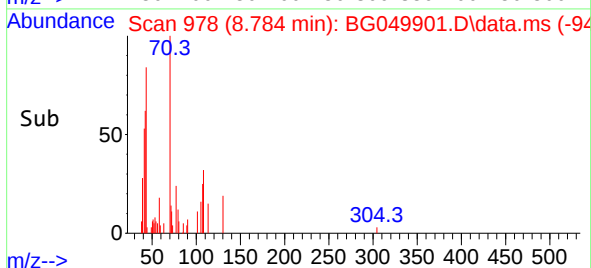
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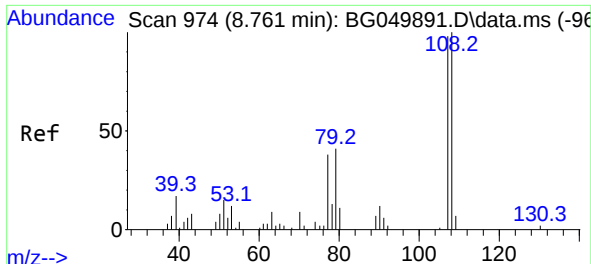


#17
N-Nitroso-di-n-propylamine
Concen: 4.788 ng/ul
RT: 8.784 min Scan# 978
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



Tgt Ion: 70 Resp: 8492
Ion Ratio Lower Upper
70 100
42 61.9 44.2 66.4
101 10.6 7.8 11.8
130 19.3 15.3 22.9





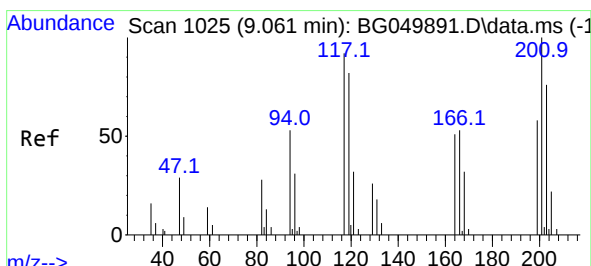
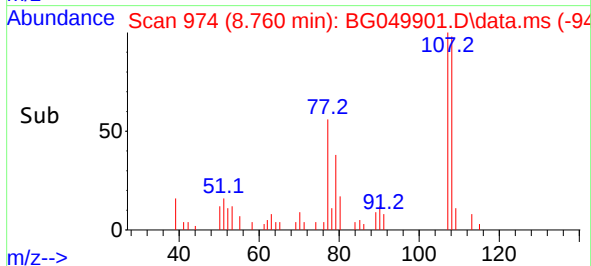
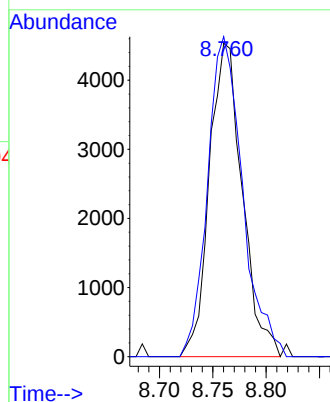
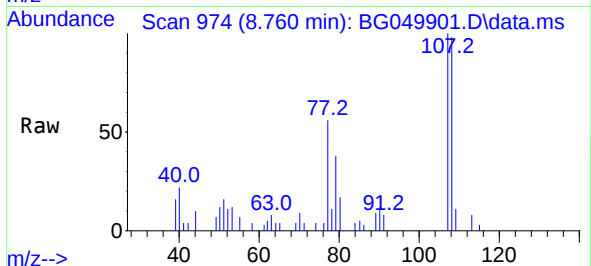
#18
4-Methylphenol
Concen: 4.215 ng/ul
RT: 8.760 min Scan# 974
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:108 Resp: 9719
Ion Ratio Lower Upper
108 100
107 102.1 78.3 117.5

Instrument :
BNA_G
ClientSampleId :
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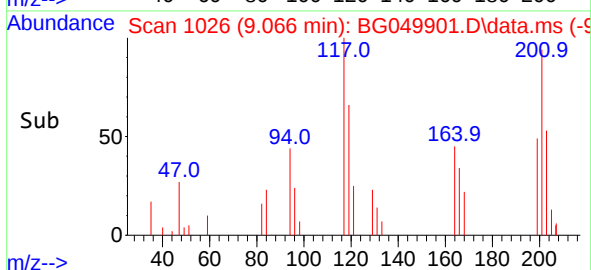
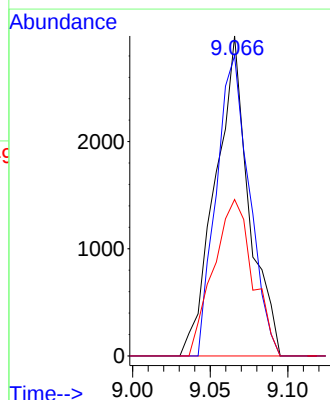
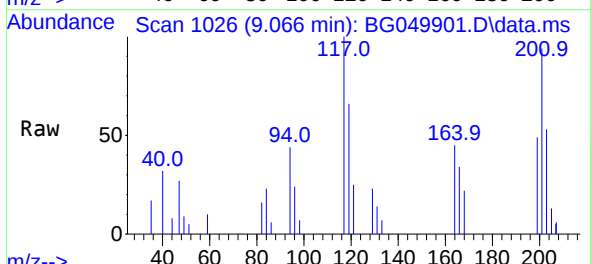
Manual Integrations
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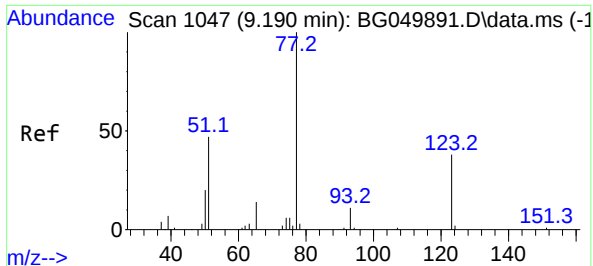
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#19
Hexachloroethane
Concen: 5.046 ng/ul
RT: 9.066 min Scan# 1026
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:117 Resp: 4491
Ion Ratio Lower Upper
117 100
201 93.9 89.3 133.9
199 48.9 50.5 75.7#





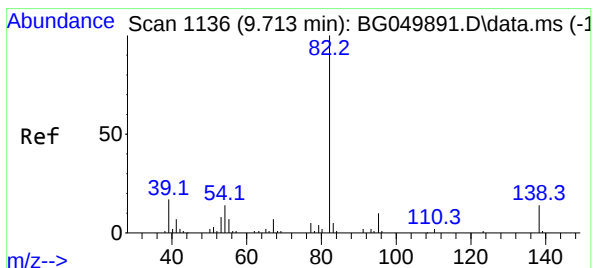
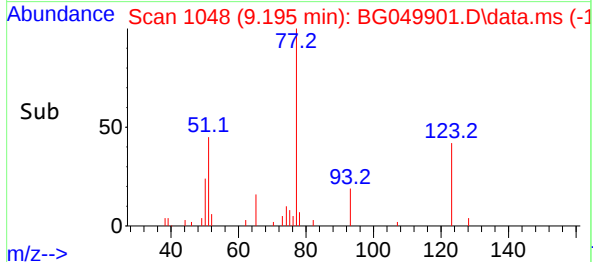
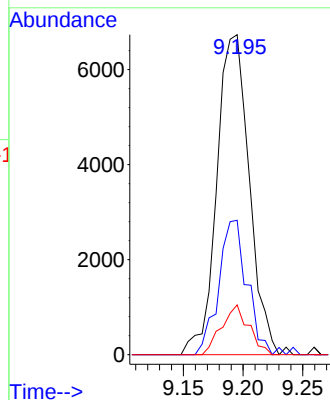
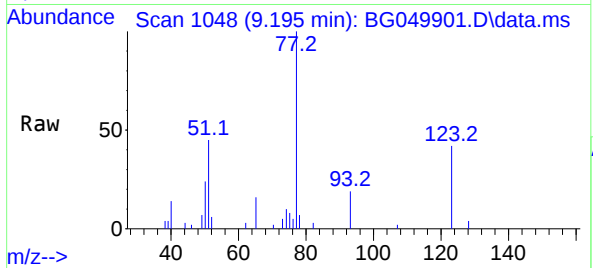
#22
Nitrobenzene
Concen: 4.618 ng/ul m
RT: 9.195 min Scan# 1048
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion: 77 Resp: 12723
Ion Ratio Lower Upper
77 100
123 42.0 30.4 45.6
65 15.6 11.3 16.9

Instrument :
BNA_G
ClientSampleId :
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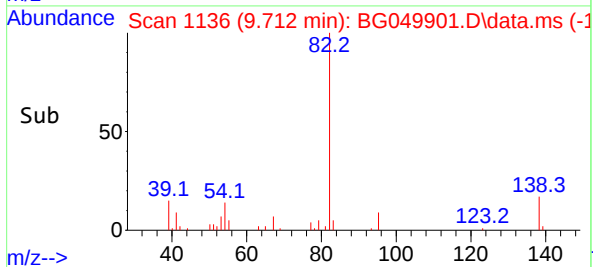
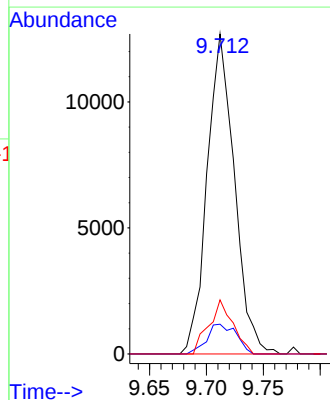
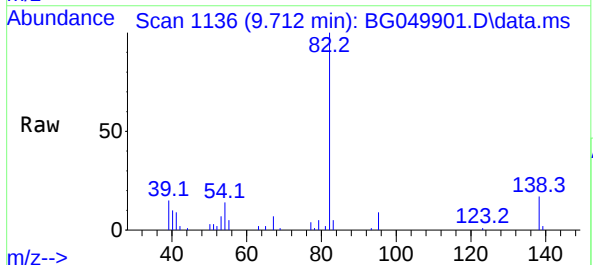
Manual Integrations
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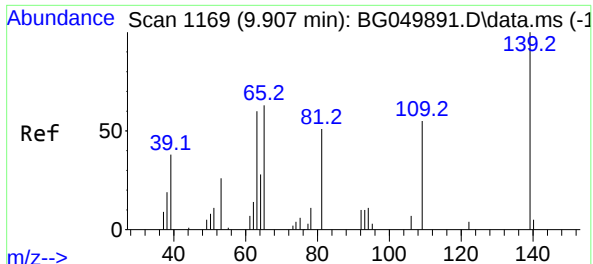
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#23
Isophorone
Concen: 4.322 ng/ul
RT: 9.712 min Scan# 1136
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

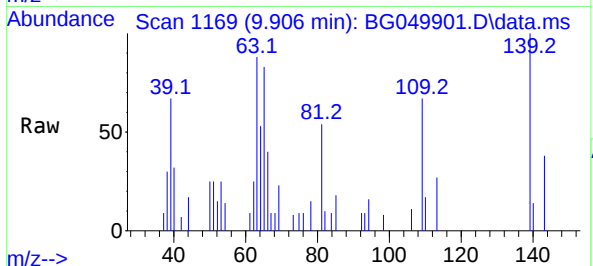
Tgt Ion: 82 Resp: 21216
Ion Ratio Lower Upper
82 100
95 9.3 7.8 11.8
138 16.9 11.4 17.0





#25
2-Nitrophenol
Concen: 3.926 ng/ul m
RT: 9.906 min Scan# 1169
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

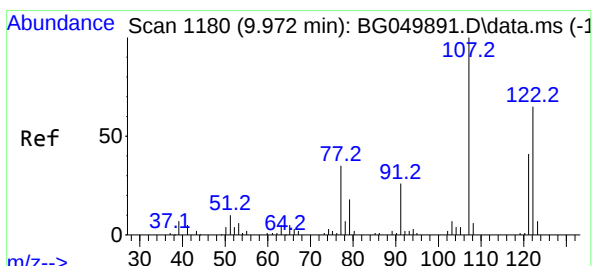
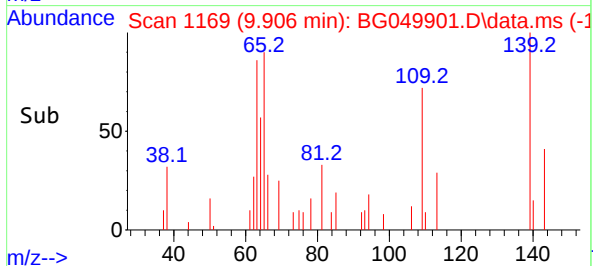
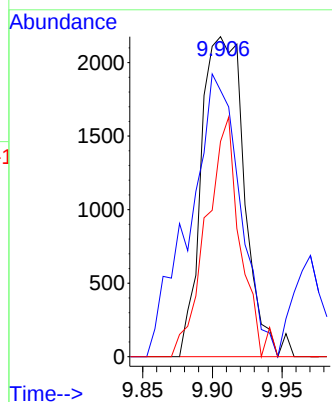
Instrument :
BNA_G
ClientSampleId :
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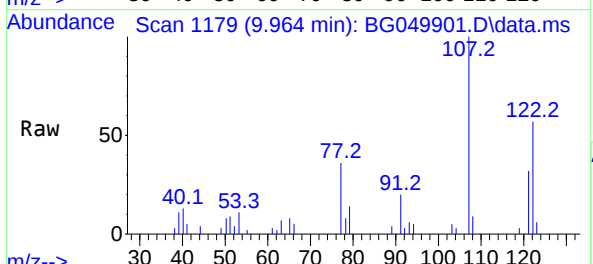
Tgt Ion:139 Resp: 4621
Ion Ratio Lower Upper
139 100
65 83.2 53.1 79.7#
109 67.3 44.1 66.1#

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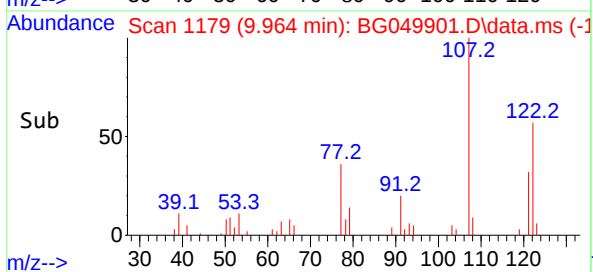
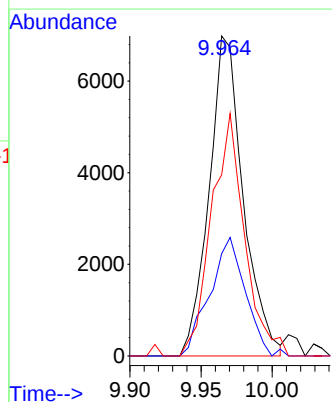
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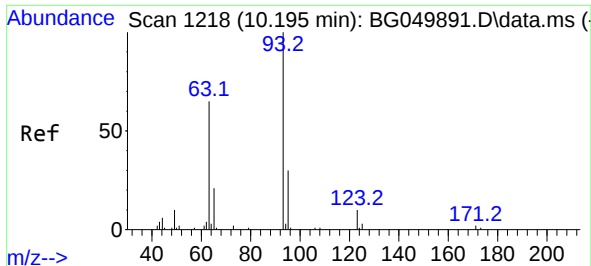


#26
2,4-Dimethylphenol
Concen: 4.463 ng/ul
RT: 9.964 min Scan# 1179
Delta R.T. -0.007 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



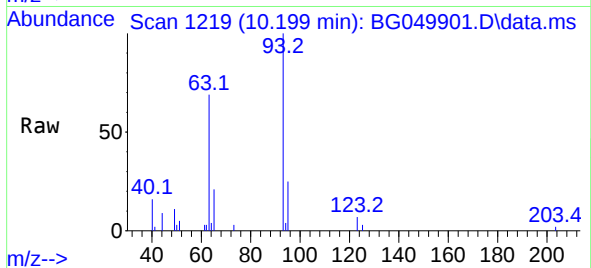
Tgt Ion:107 Resp: 11675
Ion Ratio Lower Upper
107 100
121 31.9 32.7 49.1#
122 56.6 52.6 79.0





#27
Bis(2-Chloroethoxy)methane
Concen: 4.498 ng/ul
RT: 10.199 min Scan# 1219
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

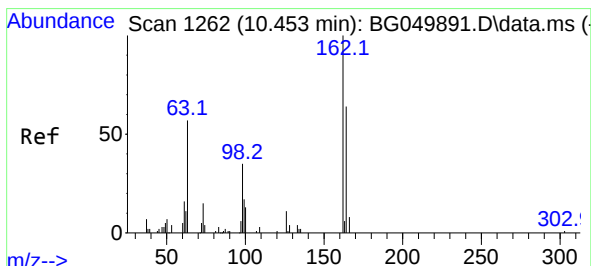
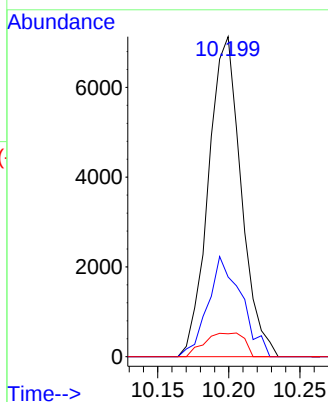
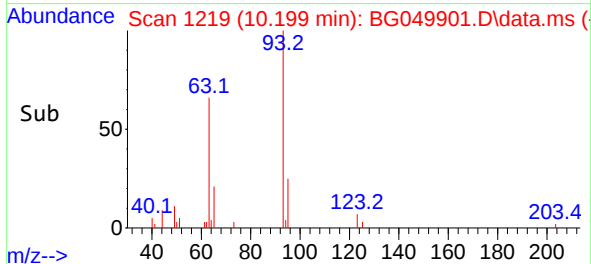
Instrument :
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ClientSampleId :
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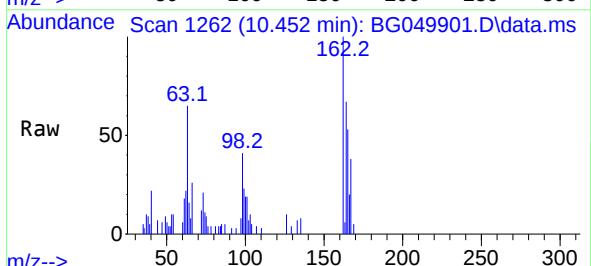
Tgt Ion: 93 Resp: 11401
Ion Ratio Lower Upper
93 100
95 24.9 24.8 37.2
123 7.1 8.2 12.2#

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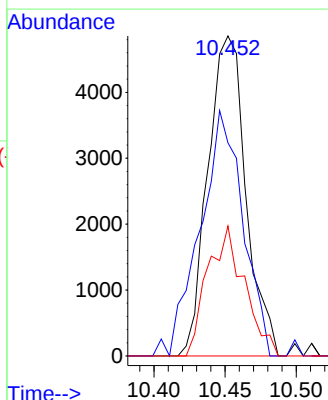
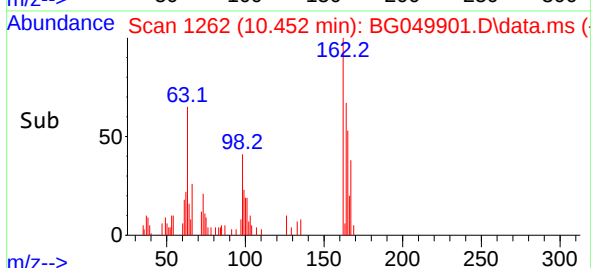
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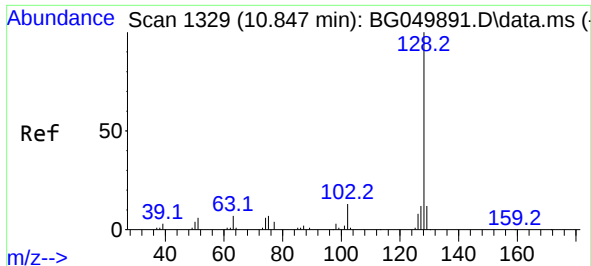


#29
2,4-Dichlorophenol
Concen: 4.563 ng/ul
RT: 10.452 min Scan# 1262
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



Tgt Ion: 162 Resp: 9043
Ion Ratio Lower Upper
162 100
164 66.6 51.0 76.6
98 40.6 27.8 41.8





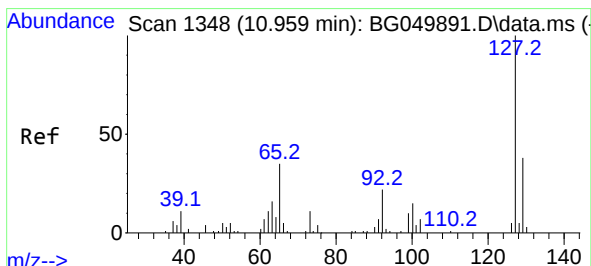
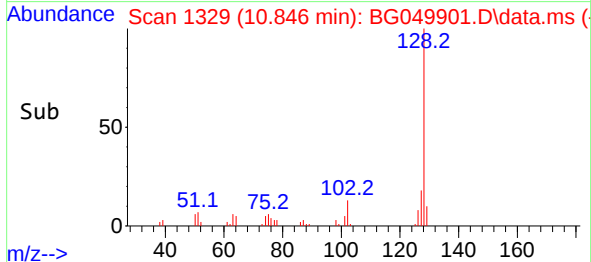
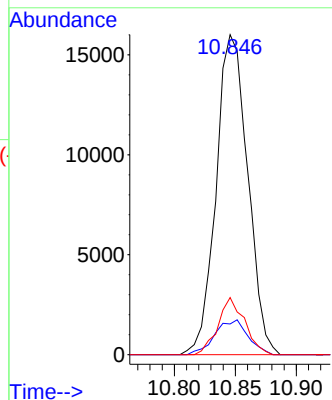
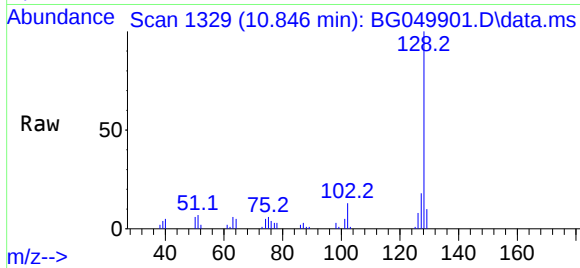
#30
Naphthalene
Concen: 4.407 ng/ul
RT: 10.846 min Scan# 1329
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:	128	Resp:	28891
Ion Ratio	Lower	Upper	
128	100		
129	9.6	9.3	13.9
127	17.9	9.8	14.6#

Instrument :
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ClientSampleId :
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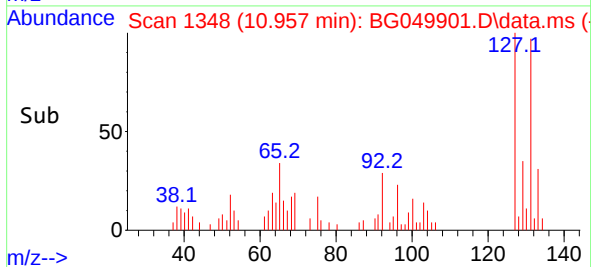
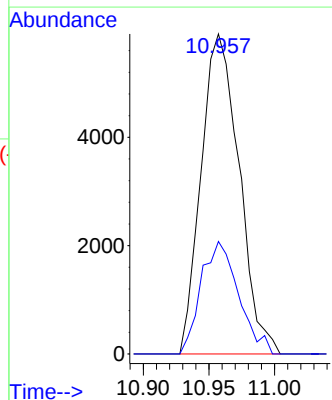
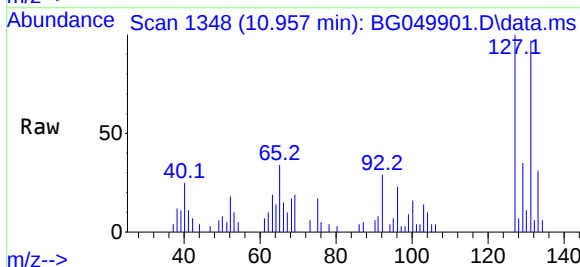
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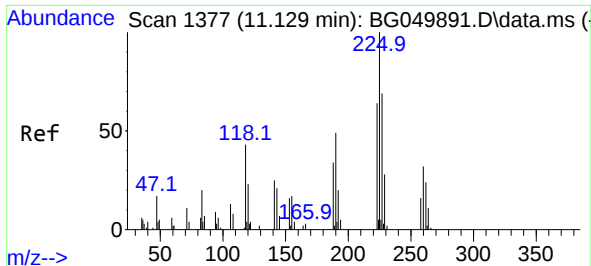
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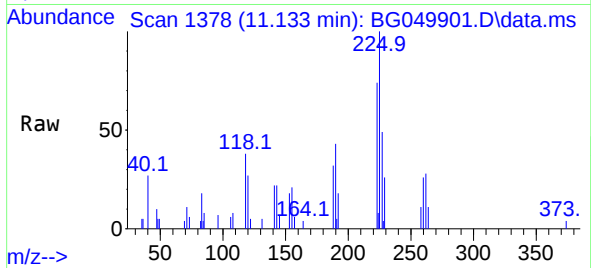
#32
4-Chloroaniline
Concen: 4.197 ng/ul
RT: 10.957 min Scan# 1348
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:	127	Resp:	11881
Ion Ratio	Lower	Upper	
127	100		
129	35.2	30.3	45.5

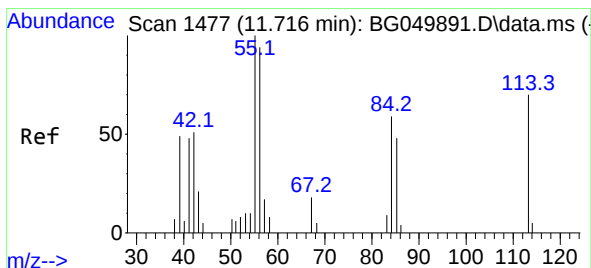
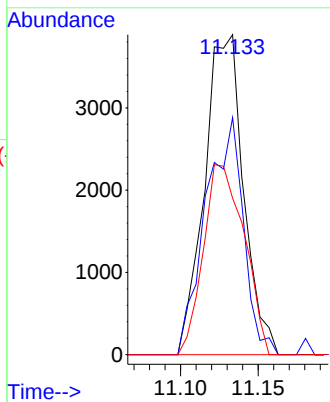
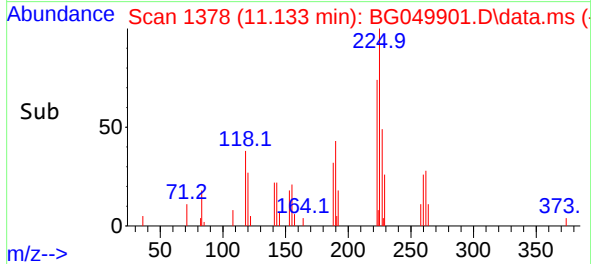




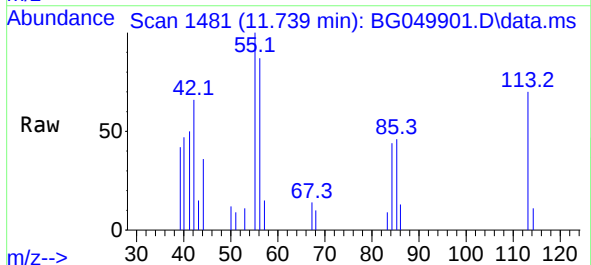
#33
Hexachlorobutadiene
Concen: 4.244 ng/ul
RT: 11.133 min Scan# 1378
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



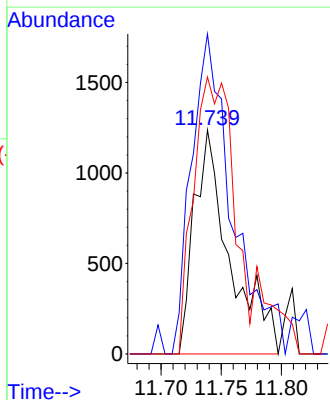
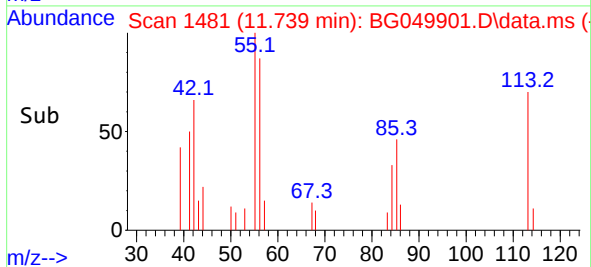
Tgt Ion:225 Resp: 6804
Ion Ratio Lower Upper
225 100
223 74.1 51.3 76.9
227 48.9 55.1 82.7#



#34
Caprolactam
Concen: 3.689 ng/ul m
RT: 11.739 min Scan# 1481
Delta R.T. 0.022 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



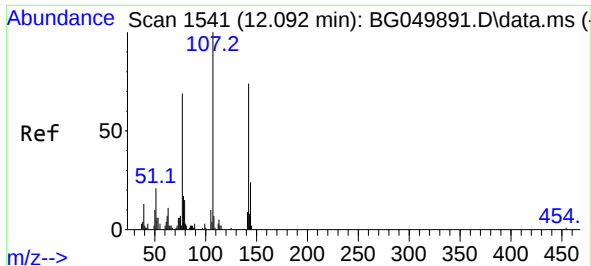
Tgt Ion:113 Resp: 2561
Ion Ratio Lower Upper
113 100
55 142.8 114.0 171.0
56 123.6 107.4 161.0



Instrument :
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ClientSampleId :
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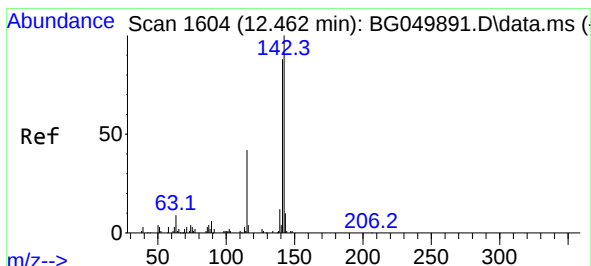
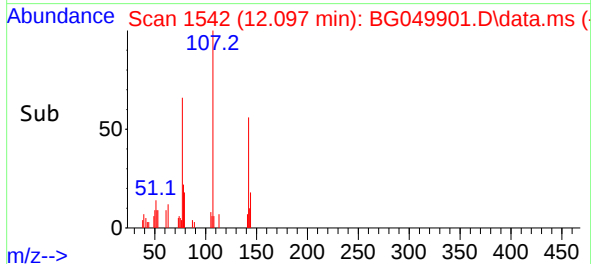
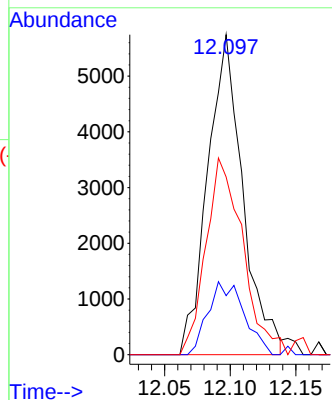
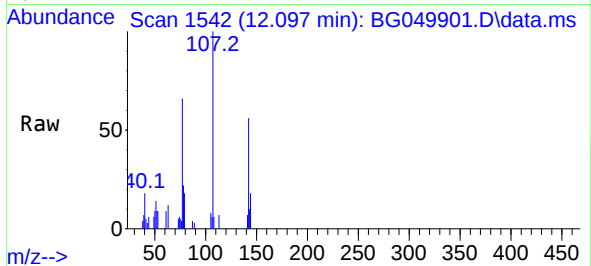
#35
4-Chloro-3-methylphenol
Concen: 4.510 ng/ul
RT: 12.097 min Scan# 1542
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:	107	Resp:	10683
Ion	Ratio	Lower	Upper
107	100		
144	18.5	18.9	28.3#
142	55.6	59.2	88.8#

Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05

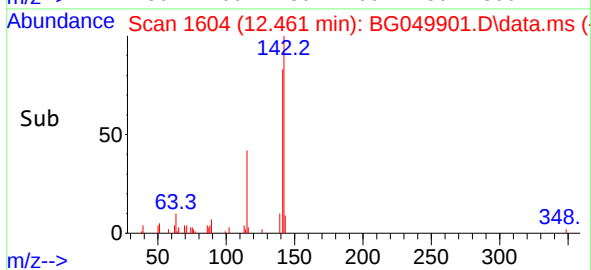
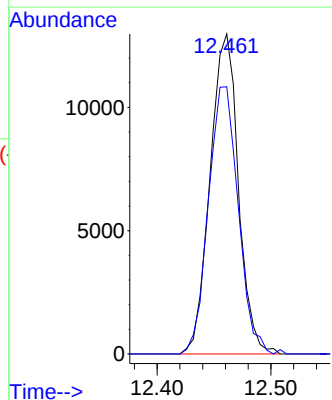
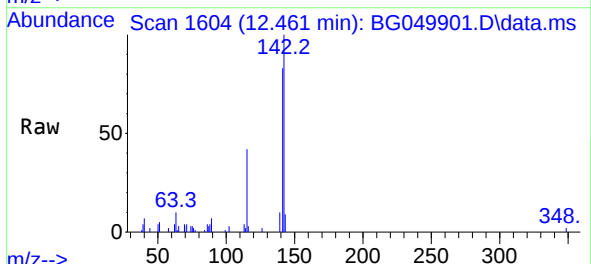
Manual Integrations
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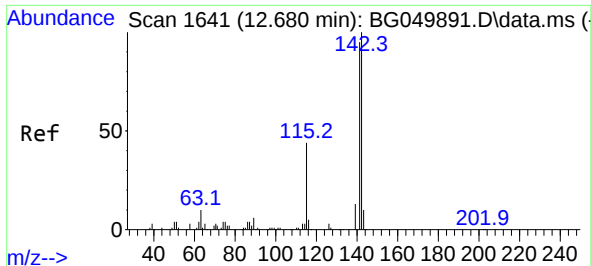
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#36
2-Methylnaphthalene
Concen: 4.604 ng/ul
RT: 12.461 min Scan# 1604
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:	142	Resp:	22436
Ion	Ratio	Lower	Upper
142	100		
141	83.5	70.5	105.7





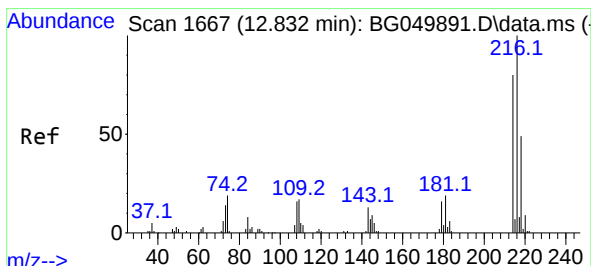
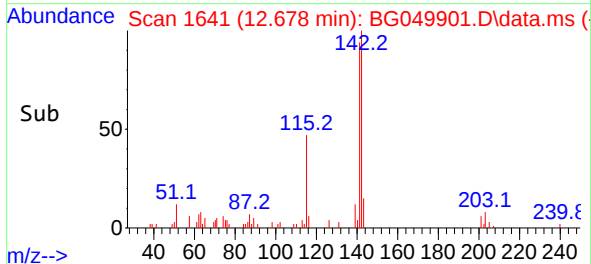
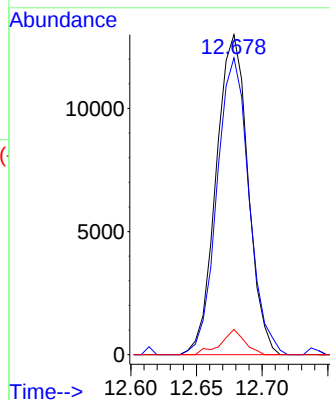
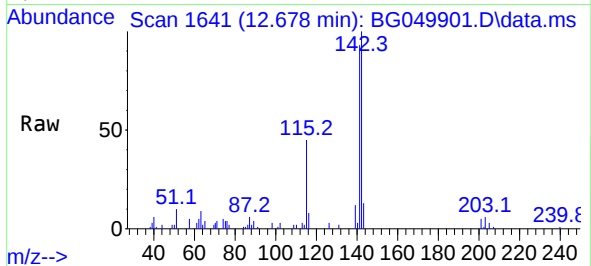
#37
1-Methylnaphthalene
Concen: 4.457 ng/ul
RT: 12.678 min Scan# 1641
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:142 Resp: 21922
Ion Ratio Lower Upper
142 100
141 92.7 75.8 113.8
116 7.9 3.7 5.5#

Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05

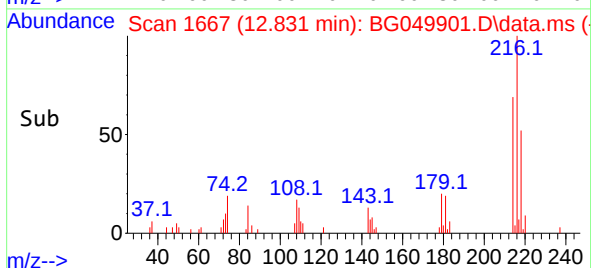
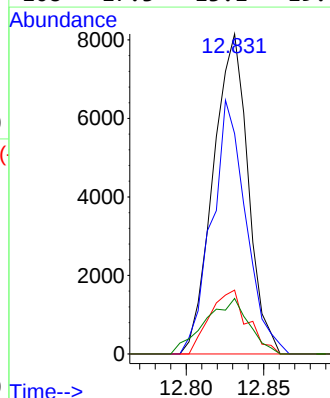
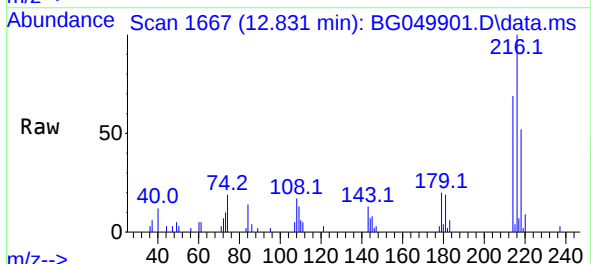
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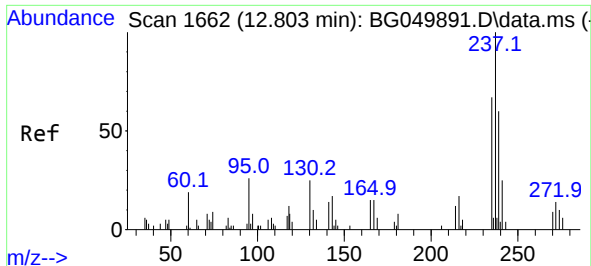
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#39
1,2,4,5-Tetrachlorobenzene
Concen: 4.660 ng/ul
RT: 12.831 min Scan# 1667
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

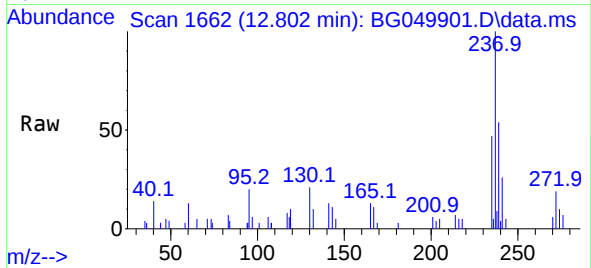
Tgt Ion:216 Resp: 12745
Ion Ratio Lower Upper
216 100
214 68.9 64.2 96.2
179 19.9 12.8 19.2#
108 17.3 13.1 19.7





#40
Hexachlorocyclopentadiene
Concen: 6.470 ng/ul
RT: 12.802 min Scan# 1662
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

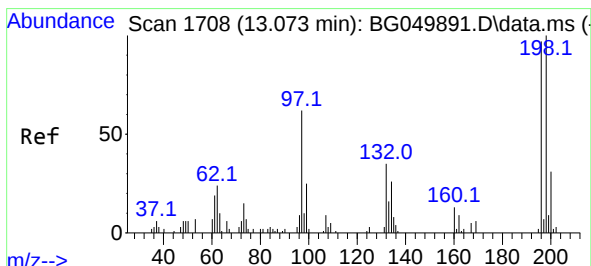
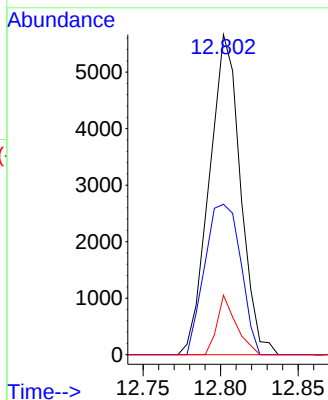
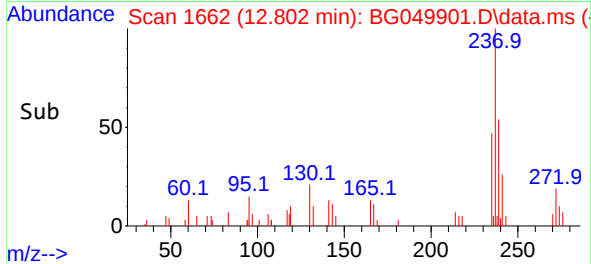
Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



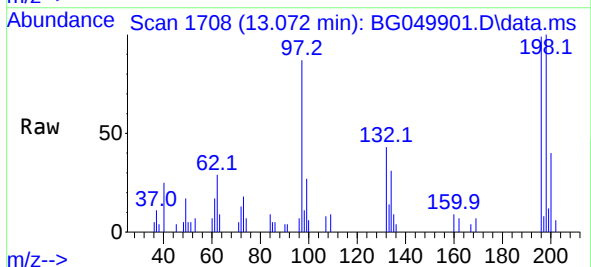
Tgt Ion:237 Resp: 7920
Ion Ratio Lower Upper
237 100
235 47.0 53.5 80.3#
272 18.6 11.5 17.3#

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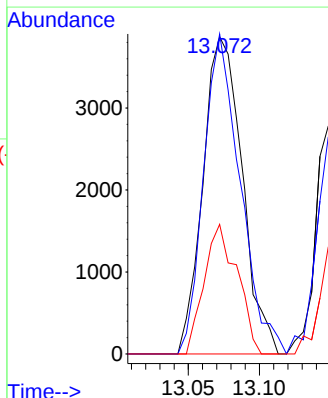
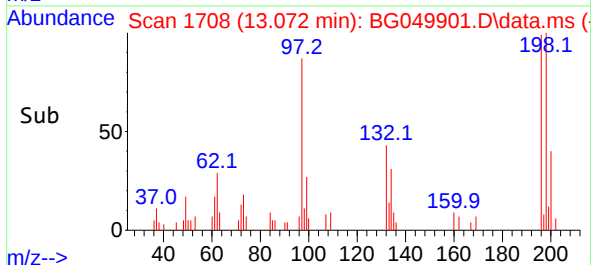
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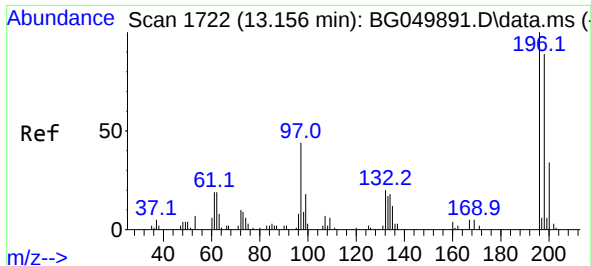


#41
2,4,6-Trichlorophenol
Concen: 4.246 ng/ul
RT: 13.072 min Scan# 1708
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

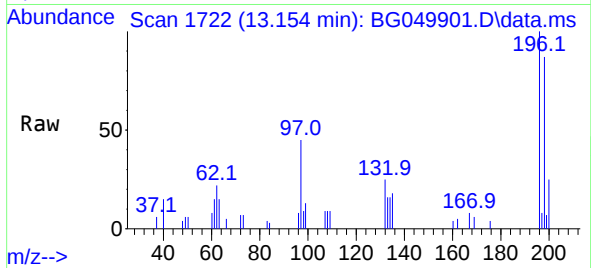


Tgt Ion:196 Resp: 7400
Ion Ratio Lower Upper
196 100
198 100.9 83.7 125.5
200 40.9 25.9 38.9#

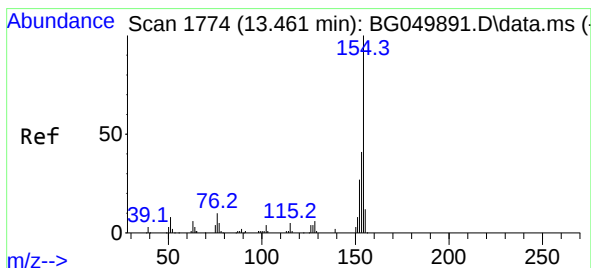
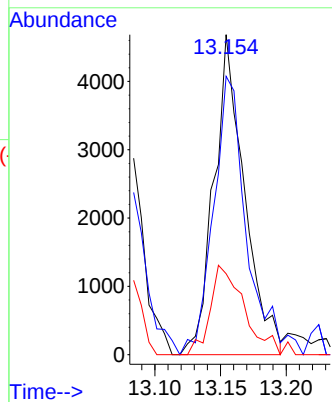
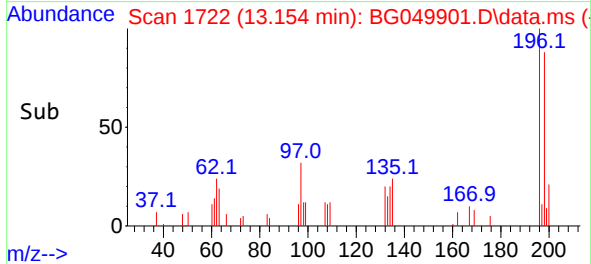




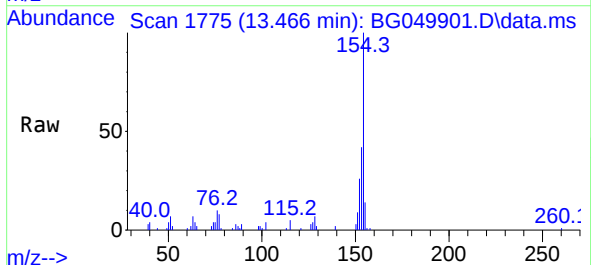
#42
2,4,5-Trichlorophenol
Concen: 4.151 ng/ul
RT: 13.154 min Scan# 1722
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



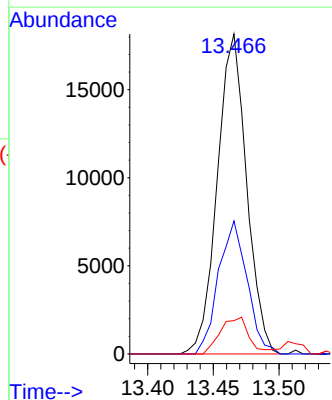
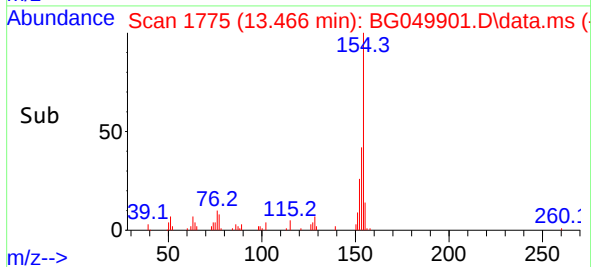
Tgt Ion:196 Resp: 7582
Ion Ratio Lower Upper
196 100
198 87.0 70.3 105.5
200 25.3 26.6 40.0#



#43
1,1'-Biphenyl
Concen: 4.331 ng/ul
RT: 13.466 min Scan# 1775
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



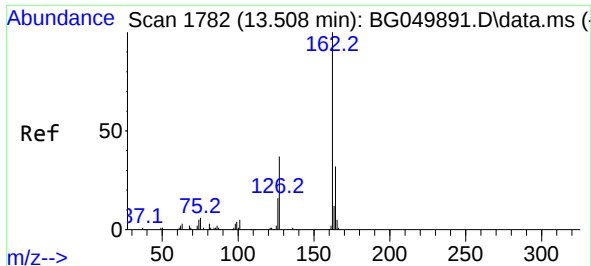
Tgt Ion:154 Resp: 28175
Ion Ratio Lower Upper
154 100
153 41.6 32.5 48.7
76 10.4 7.8 11.8



Instrument :
BNA_G
ClientSampleId :
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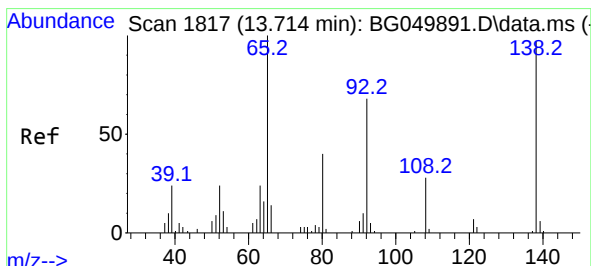
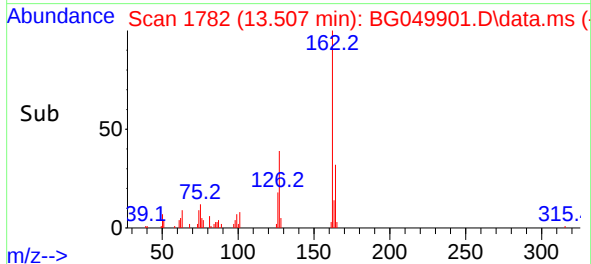
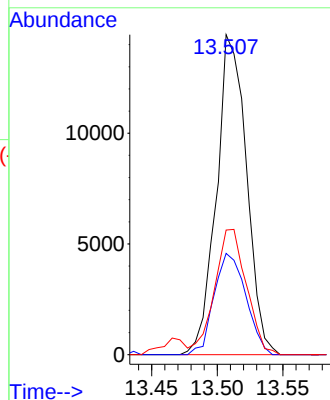
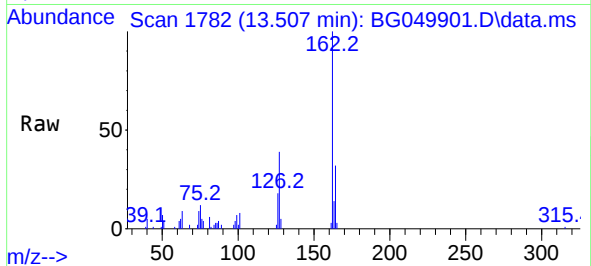
#44
2-Chloronaphthalene
Concen: 4.403 ng/ul
RT: 13.507 min Scan# 1782
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:	162	Resp:	23007
Ion Ratio	Lower	Upper	
162	100		
164	31.7	25.2	37.8
127	39.0	31.9	47.9

Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05

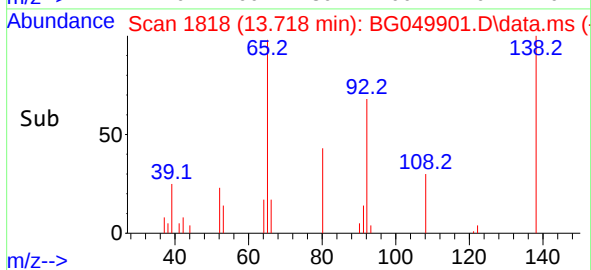
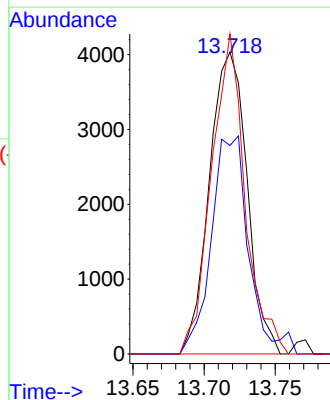
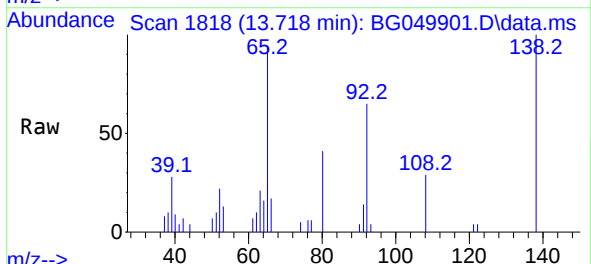
Manual Integrations
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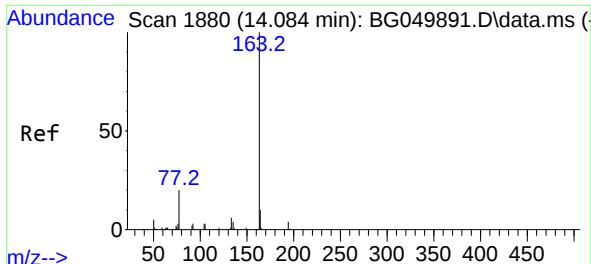
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#45
2-Nitroaniline
Concen: 4.189 ng/ul
RT: 13.718 min Scan# 1818
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

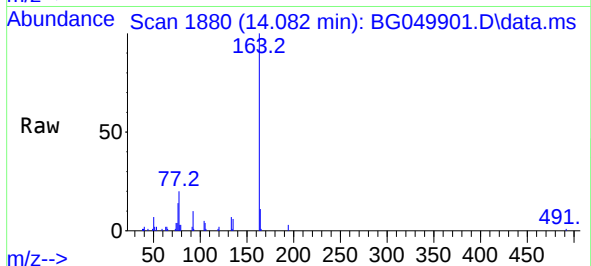
Tgt Ion:	65	Resp:	7432
Ion Ratio	Lower	Upper	
65	100		
92	69.1	55.6	83.4
138	106.0	78.7	118.1





#47
Dimethylphthalate
Concen: 4.493 ng/ul
RT: 14.082 min Scan# 1880
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

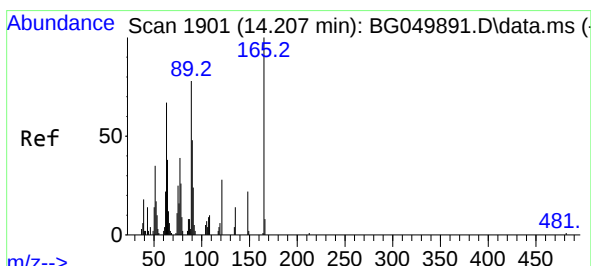
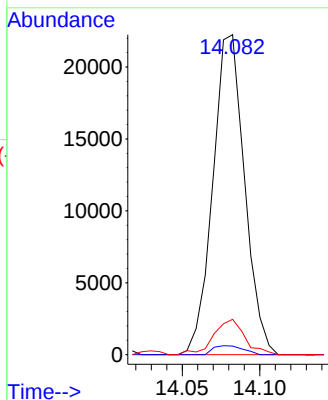
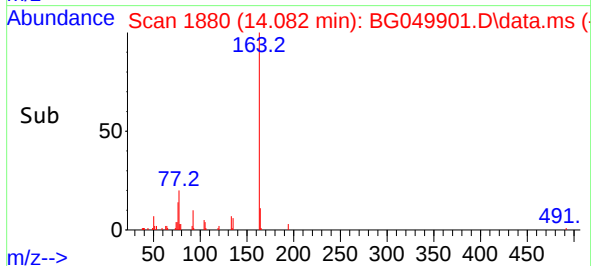
Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



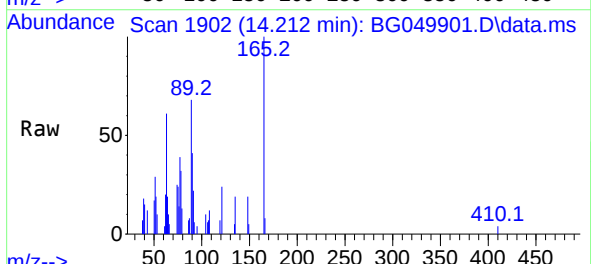
Tgt Ion:163 Resp: 31685
Ion Ratio Lower Upper
163 100
194 2.7 3.4 5.0#
164 11.1 8.2 12.4

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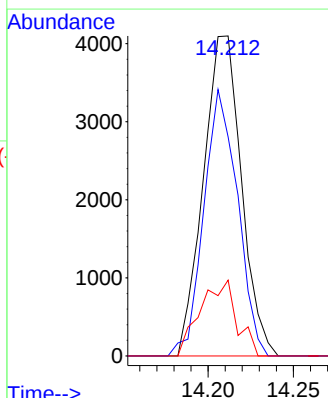
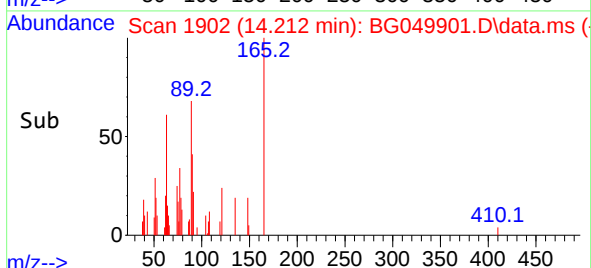
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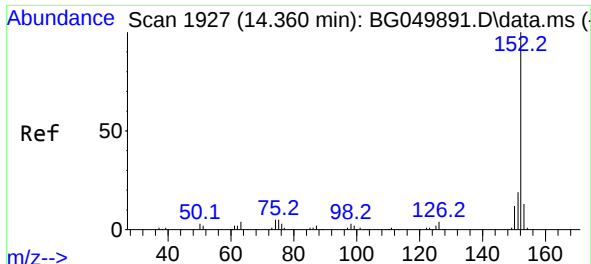


#48
2,6-Dinitrotoluene
Concen: 4.377 ng/ul
RT: 14.212 min Scan# 1902
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



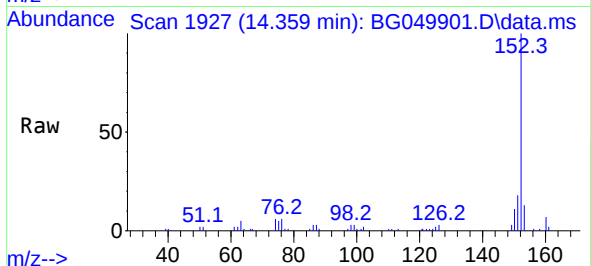
Tgt Ion:165 Resp: 6374
Ion Ratio Lower Upper
165 100
89 68.4 62.5 93.7
121 23.7 22.2 33.2





#50
Acenaphthylene
Concen: 4.534 ng/ul
RT: 14.359 min Scan# 1927
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

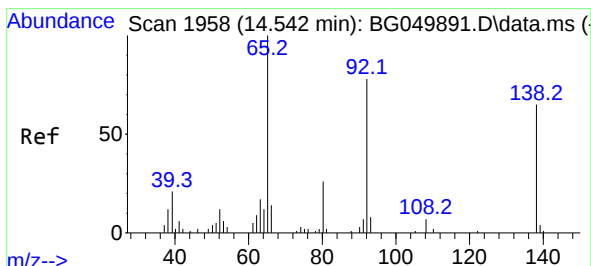
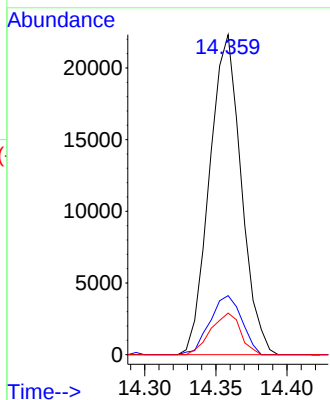
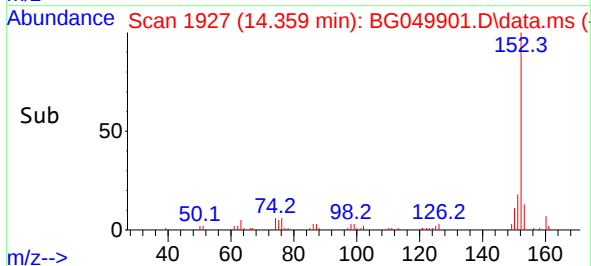
Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



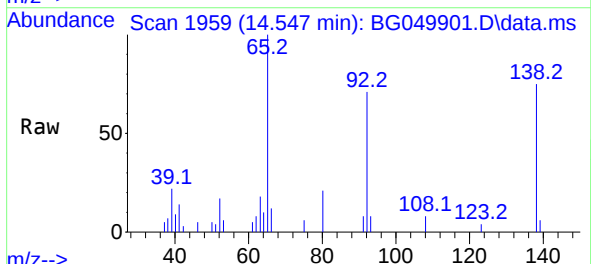
Tgt Ion:152 Resp: 34627
Ion Ratio Lower Upper
152 100
151 18.5 15.2 22.8
153 13.0 10.7 16.1

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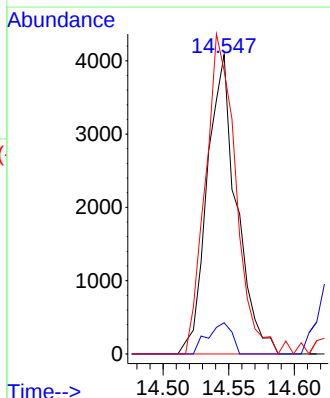
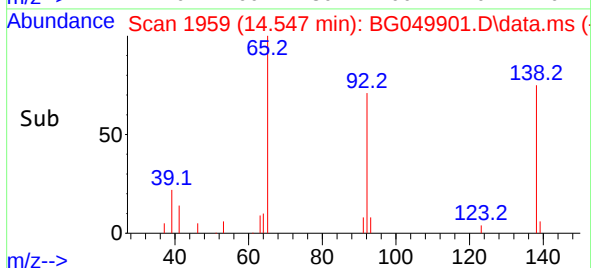
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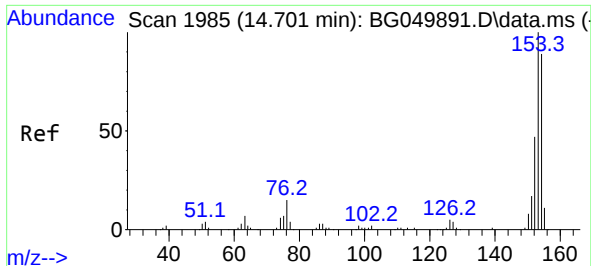


#51
3-Nitroaniline
Concen: 4.531 ng/ul
RT: 14.547 min Scan# 1959
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



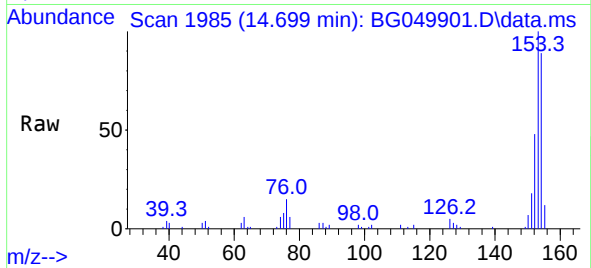
Tgt Ion:138 Resp: 6367
Ion Ratio Lower Upper
138 100
108 10.4 9.0 13.4
92 94.7 96.4 144.6#





#52
Acenaphthene
Concen: 4.563 ng/ul
RT: 14.699 min Scan# 1985
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

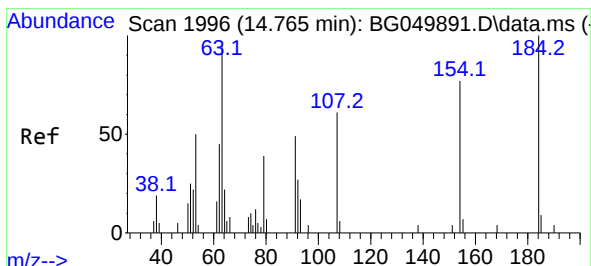
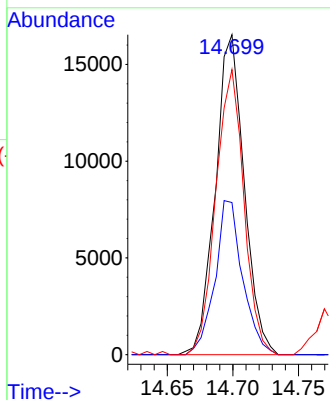
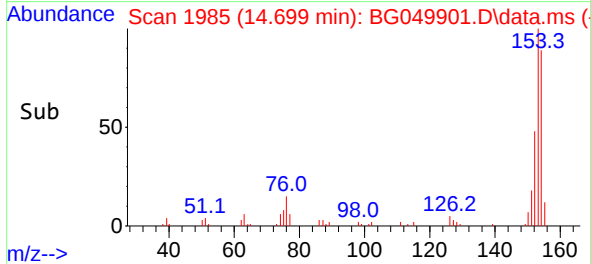
Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



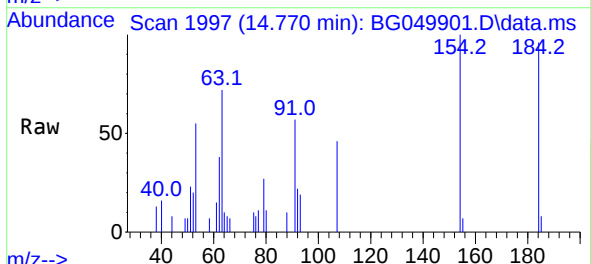
Tgt Ion:153 Resp: 25276
Ion Ratio Lower Upper
153 100
152 47.6 37.4 56.2
154 89.1 71.5 107.3

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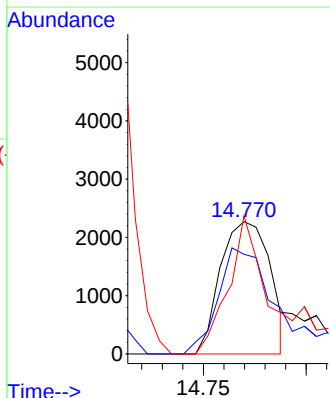
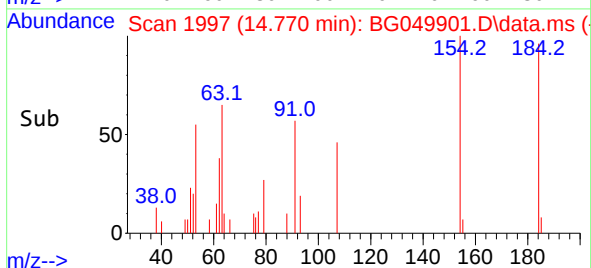
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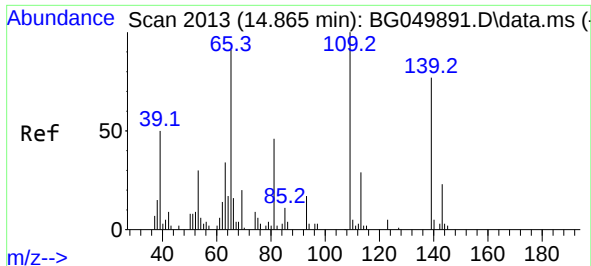


#53
2,4-Dinitrophenol
Concen: 5.127 ng/ul m
RT: 14.770 min Scan# 1997
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



Tgt Ion:184 Resp: 3813
Ion Ratio Lower Upper
184 100
63 75.4 75.8 113.8#
154 104.4 64.6 96.8#





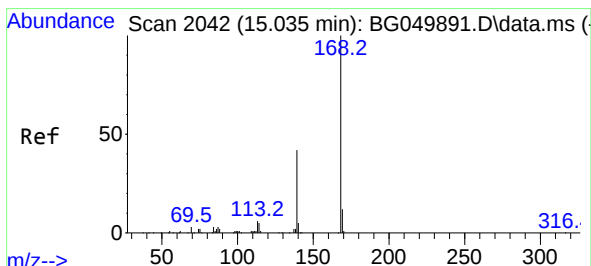
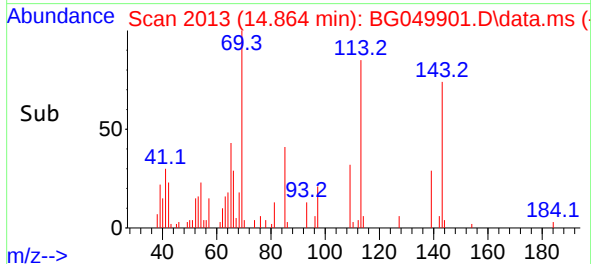
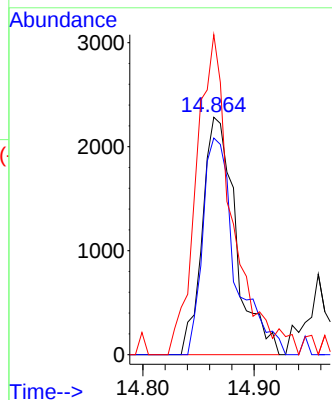
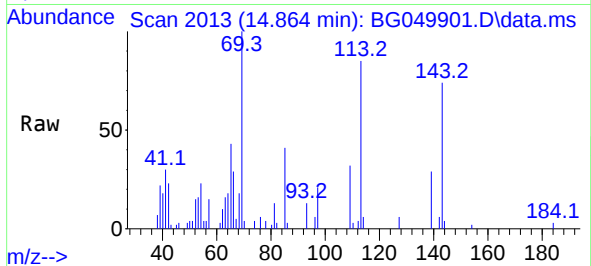
#55
4-Nitrophenol
Concen: 3.665 ng/ul m
RT: 14.864 min Scan# 2013
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:109 Resp: 4791
Ion Ratio Lower Upper
109 100
139 91.2 61.4 92.0
65 134.7 76.5 114.7#

Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05

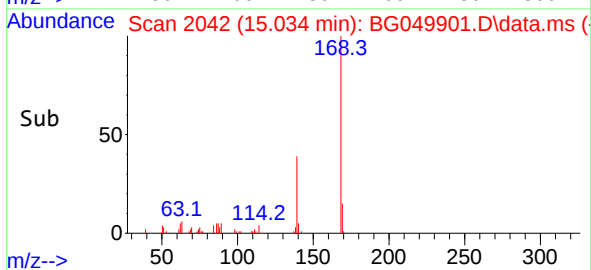
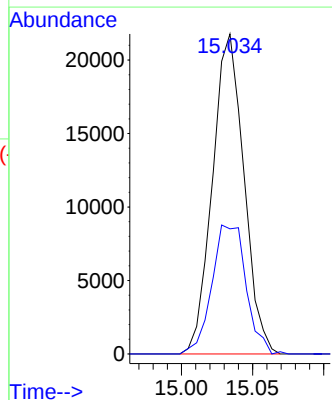
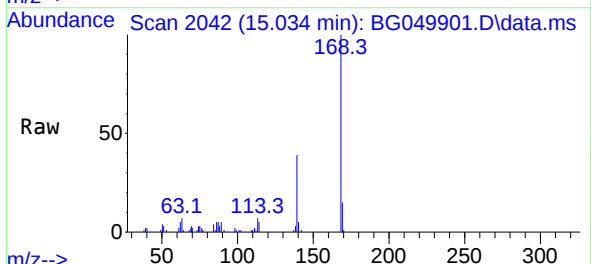
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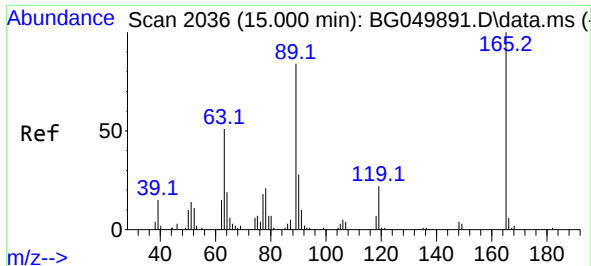
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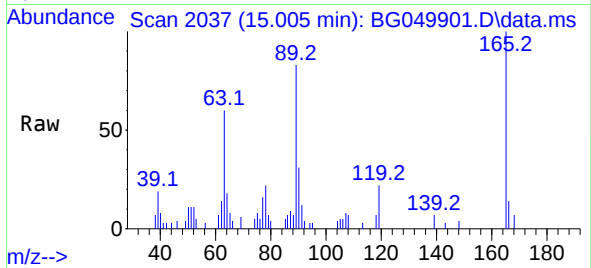
#56
Dibenzofuran
Concen: 4.366 ng/ul
RT: 15.034 min Scan# 2042
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:168 Resp: 33499
Ion Ratio Lower Upper
168 100
139 39.1 33.8 50.8

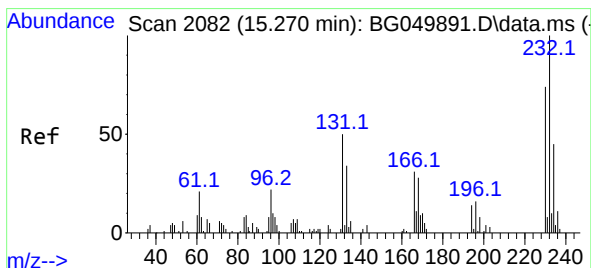
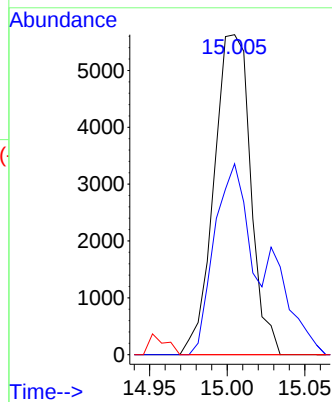
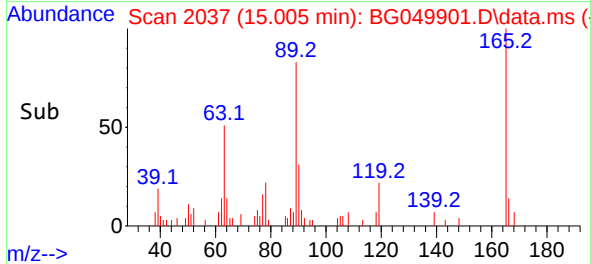




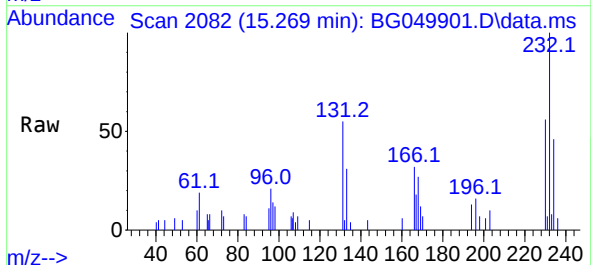
#57
2,4-Dinitrotoluene
Concen: 4.414 ng/ul
RT: 15.005 min Scan# 2037
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



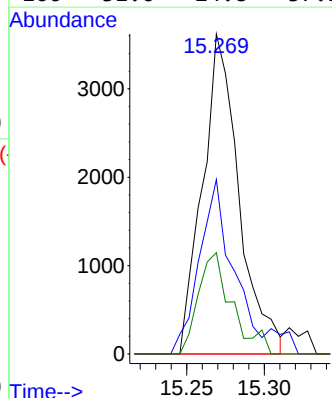
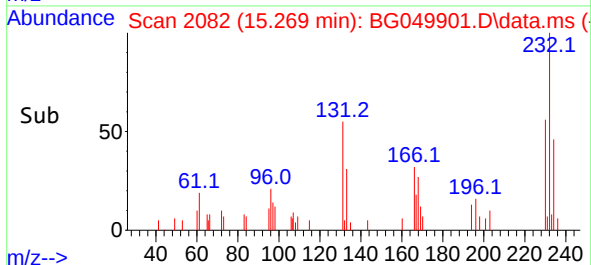
Tgt Ion:165 Resp: 9246
Ion Ratio Lower Upper
165 100
63 59.7 42.3 63.5
182 0.0 2.6 4.0#



#58
2,3,4,6-Tetrachlorophenol
Concen: 3.909 ng/ul
RT: 15.269 min Scan# 2082
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



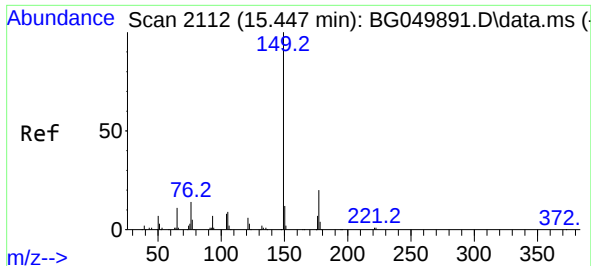
Tgt Ion:232 Resp: 5917
Ion Ratio Lower Upper
232 100
131 54.5 40.0 60.0
130 0.0 1.8 2.8#
166 31.6 24.8 37.2



Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05

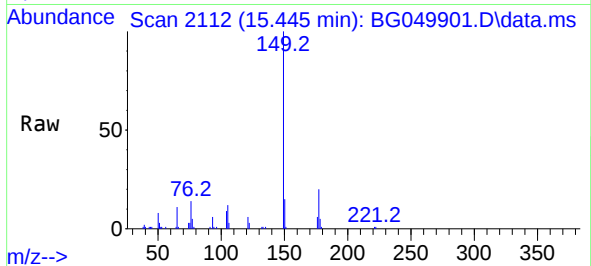
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#59
Diethylphthalate
Concen: 4.563 ng/ul
RT: 15.445 min Scan# 2112
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

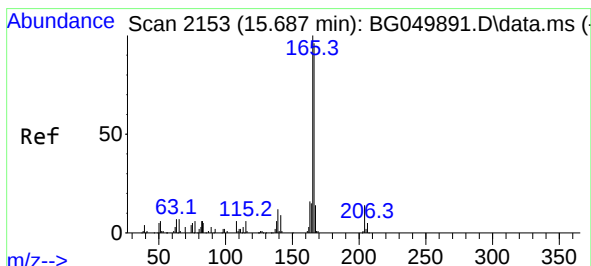
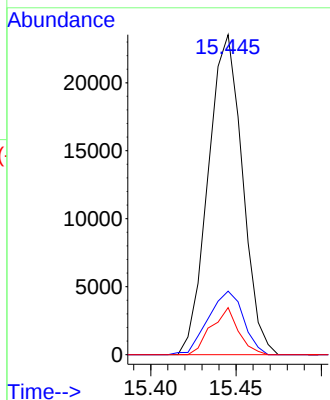
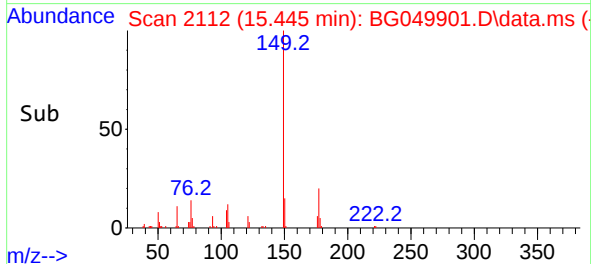
Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



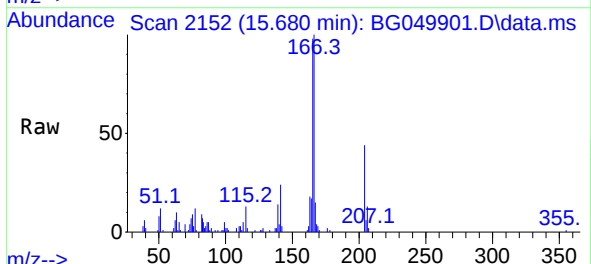
Tgt Ion:149 Resp: 32921
Ion Ratio Lower Upper
149 100
177 19.9 15.8 23.6
150 14.7 9.7 14.5#

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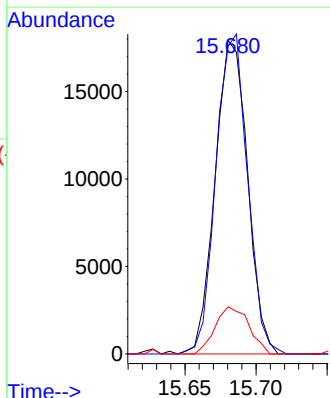
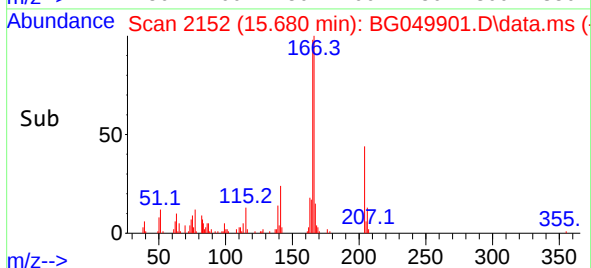
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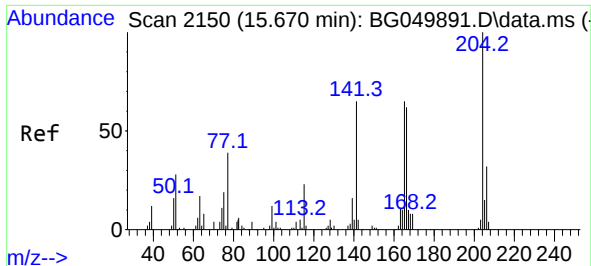


#61
Fluorene
Concen: 4.398 ng/ul
RT: 15.680 min Scan# 2152
Delta R.T. -0.007 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



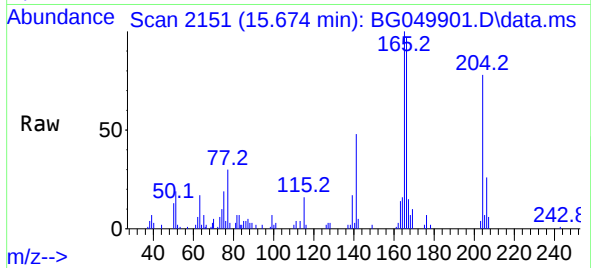
Tgt Ion:166 Resp: 28466
Ion Ratio Lower Upper
166 100
165 98.0 83.3 124.9
167 15.1 11.8 17.6





#62
4-Chlorophenyl-phenylether
Concen: 4.666 ng/ul
RT: 15.674 min Scan# 2151
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

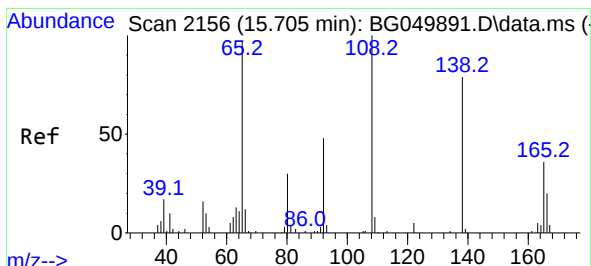
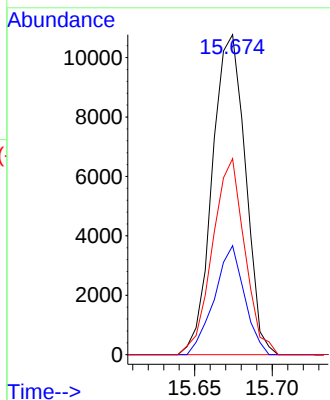
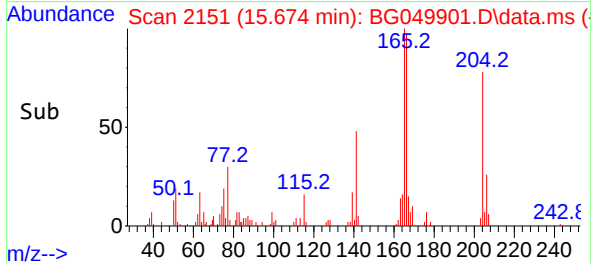
Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



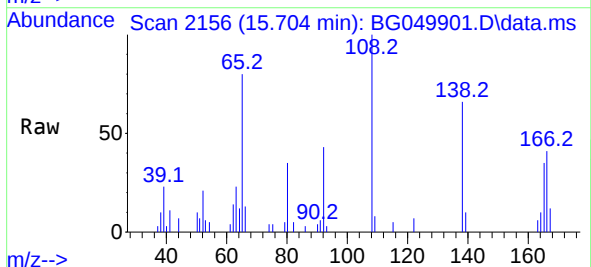
Tgt Ion:204 Resp: 15979
Ion Ratio Lower Upper
204 100
206 34.1 25.4 38.2
141 61.2 51.8 77.6

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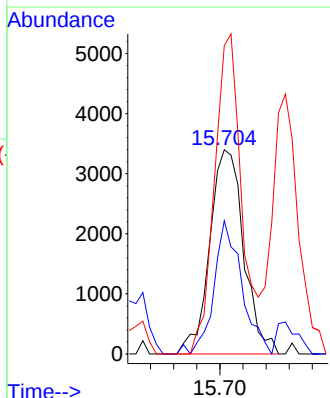
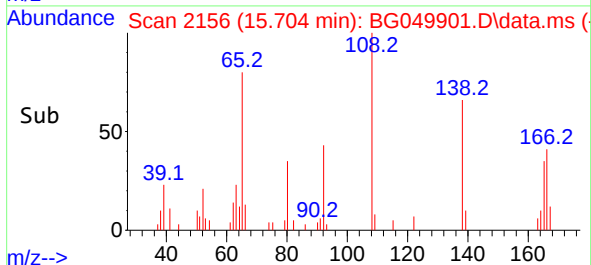
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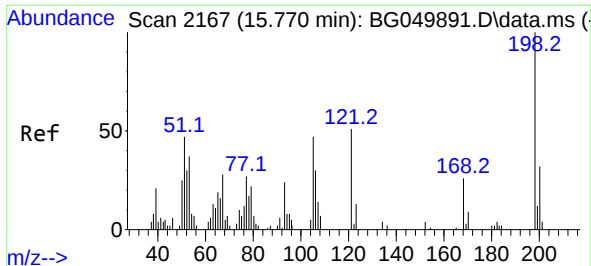


#63
4-Nitroaniline
Concen: 4.961 ng/ul m
RT: 15.704 min Scan# 2156
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

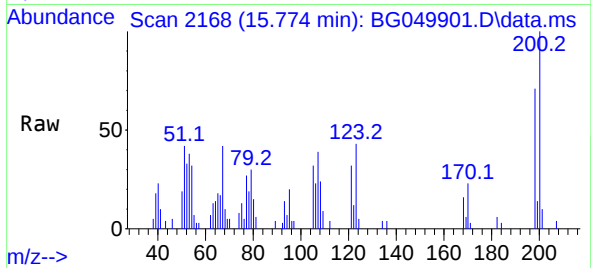


Tgt Ion:138 Resp: 6956
Ion Ratio Lower Upper
138 100
92 65.2 50.0 75.0
108 151.0 101.8 152.8

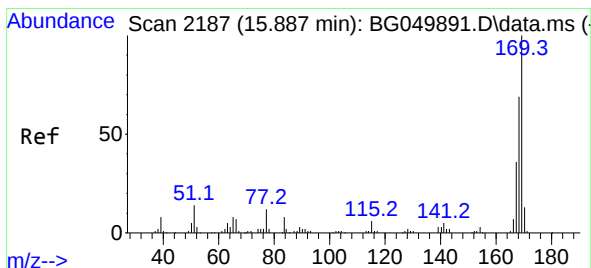
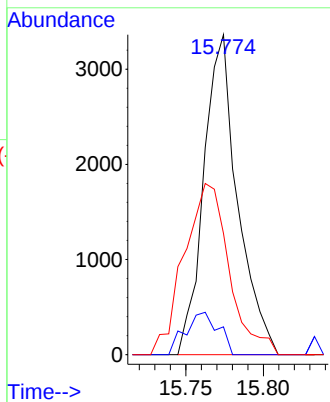
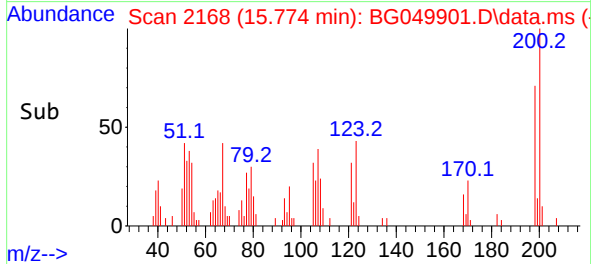




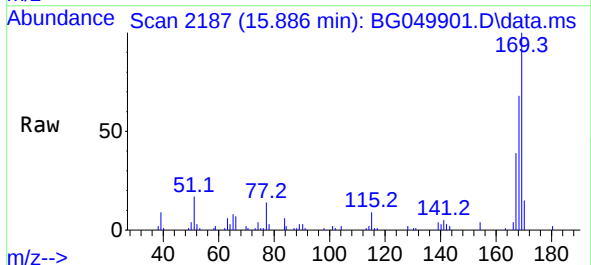
#66
4,6-Dinitro-2-methylphenol
Concen: 4.113 ng/ul
RT: 15.774 min Scan# 2168
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



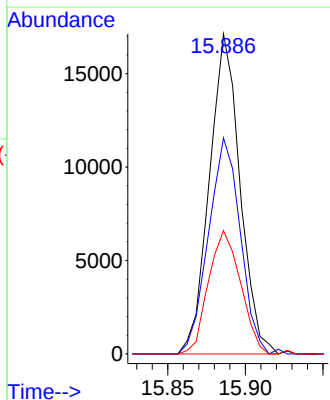
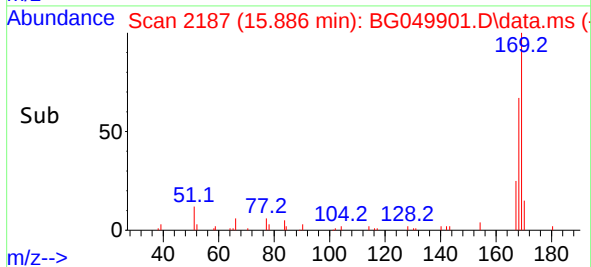
Tgt Ion:198 Resp: 5100
Ion Ratio Lower Upper
198 100
182 8.7 3.0 4.6#
77 37.9 23.4 35.2#



#67
N-Nitrosodiphenylamine
Concen: 4.192 ng/ul
RT: 15.886 min Scan# 2187
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



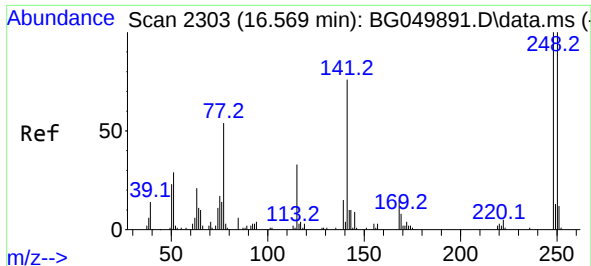
Tgt Ion:169 Resp: 23469
Ion Ratio Lower Upper
169 100
168 67.5 55.0 82.6
167 38.5 29.0 43.4



Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05

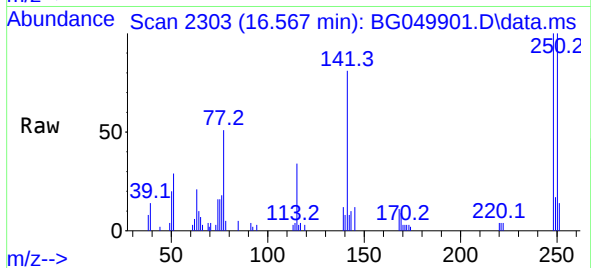
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#68
4-Bromophenyl-phenylether
Concen: 4.297 ng/ul
RT: 16.567 min Scan# 2303
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

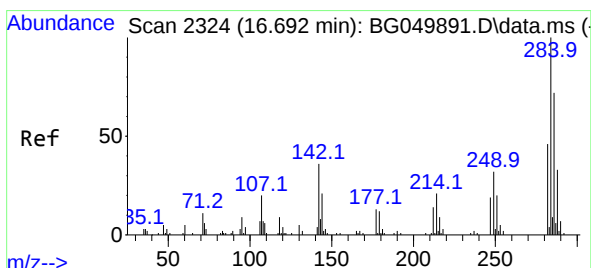
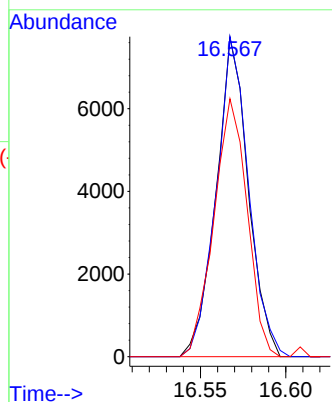
Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



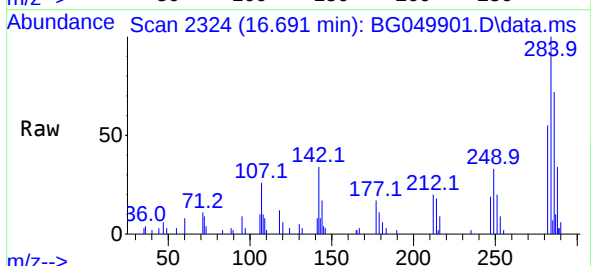
Tgt Ion:248 Resp: 10109
Ion Ratio Lower Upper
248 100
250 100.2 80.2 120.2
141 80.8 60.6 90.8

Manual Integrations
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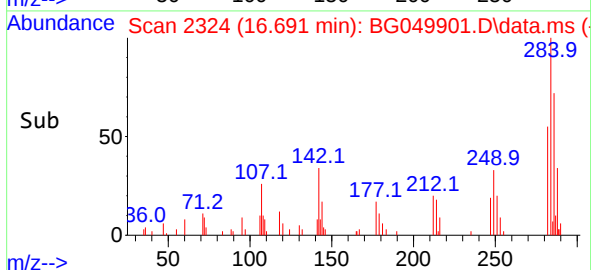
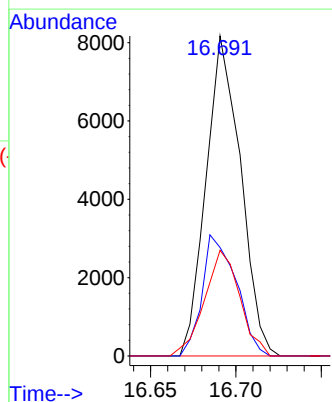
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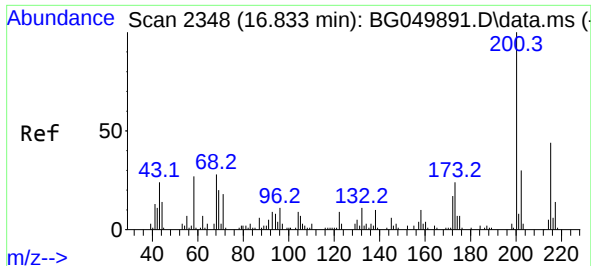


#69
Hexachlorobenzene
Concen: 4.235 ng/ul
RT: 16.691 min Scan# 2324
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



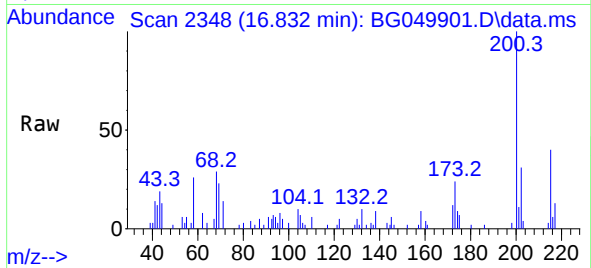
Tgt Ion:284 Resp: 11505
Ion Ratio Lower Upper
284 100
142 33.9 28.7 43.1
249 33.0 25.5 38.3





#70
Atrazine
Concen: 4.725 ng/ul
RT: 16.832 min Scan# 2348
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

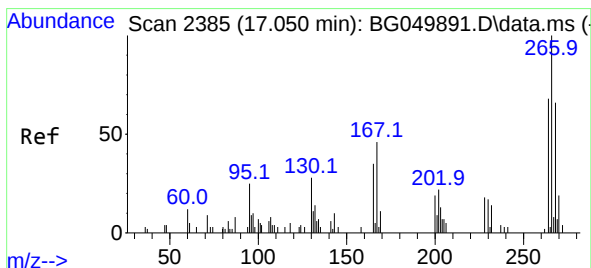
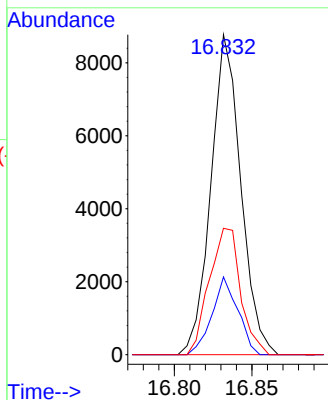
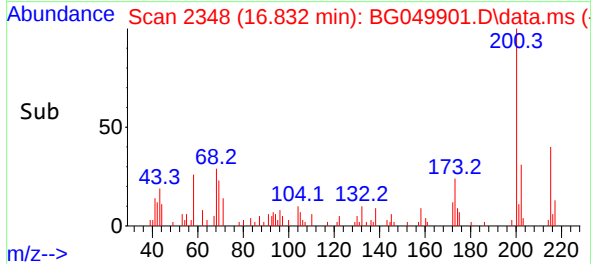
Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



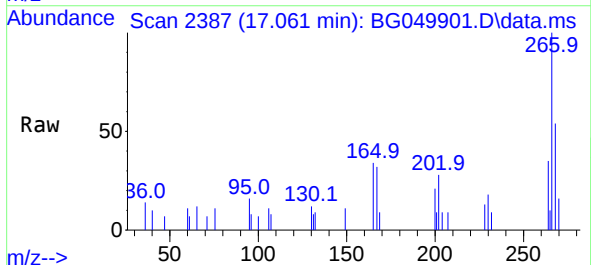
Tgt Ion:200 Resp: 11753
Ion Ratio Lower Upper
200 100
173 24.3 19.3 28.9
215 39.5 34.9 52.3

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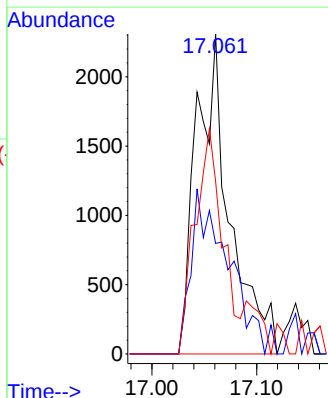
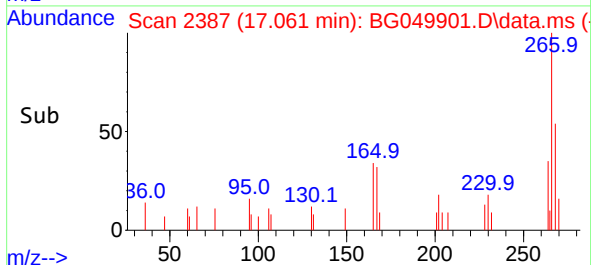
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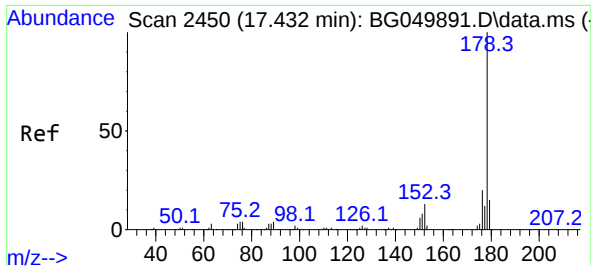


#71
Pentachlorophenol
Concen: 4.444 ng/ul m
RT: 17.061 min Scan# 2387
Delta R.T. 0.010 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



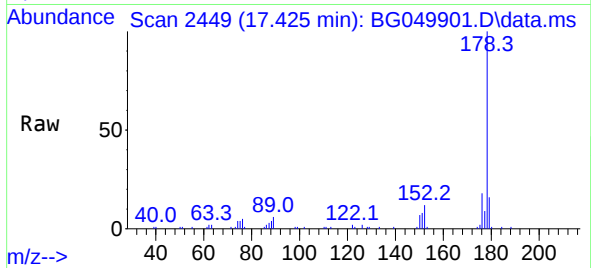
Tgt Ion:266 Resp: 5112
Ion Ratio Lower Upper
266 100
264 34.6 54.1 81.1#
268 53.8 52.6 78.8





#72
Phenanthrene
Concen: 4.378 ng/ul
RT: 17.425 min Scan# 2449
Delta R.T. -0.007 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

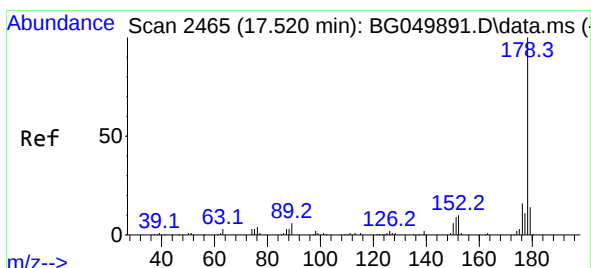
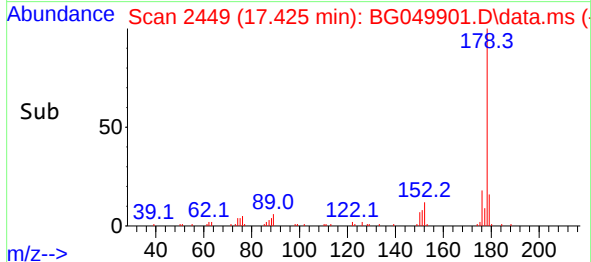
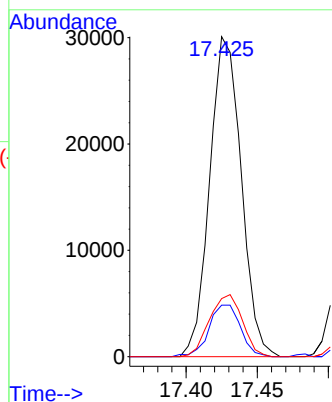
Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



Tgt Ion:178 Resp: 46408
Ion Ratio Lower Upper
178 100
179 16.1 11.7 17.5
176 18.2 16.2 24.2

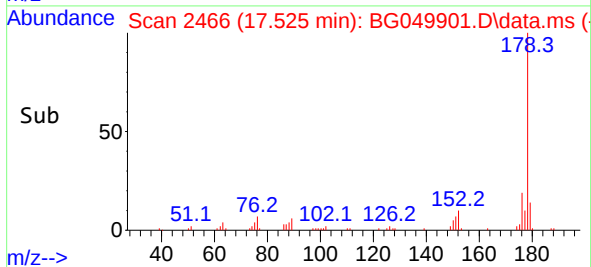
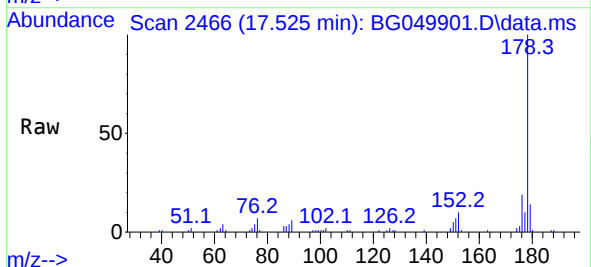
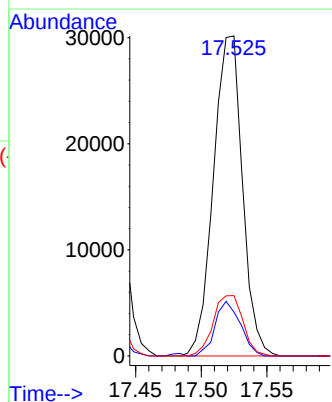
Manual Integrations
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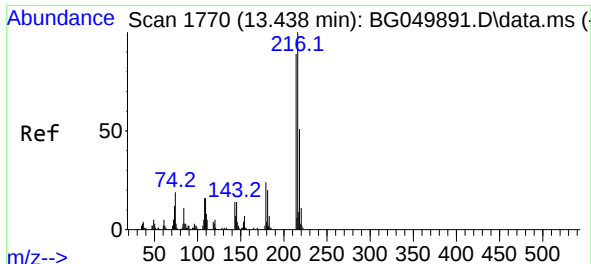
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#74
Anthracene
Concen: 4.314 ng/ul
RT: 17.525 min Scan# 2466
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

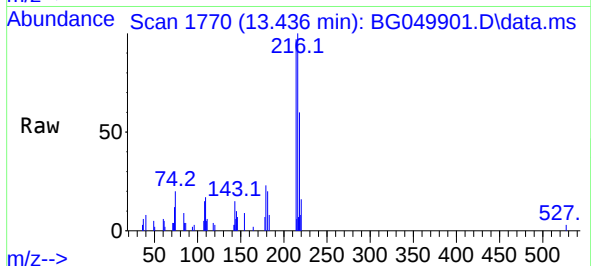
Tgt Ion:178 Resp: 46345
Ion Ratio Lower Upper
178 100
179 13.7 11.4 17.0
176 18.8 12.8 19.2





#75
1,2,3,4-Tetrachlorobenzene
Concen: 4.007 ng/uL
RT: 13.436 min Scan# 1770
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

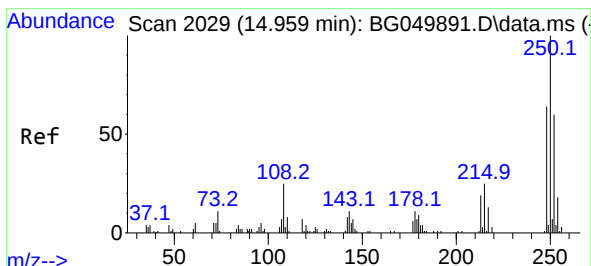
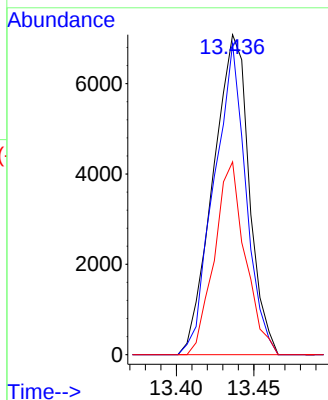
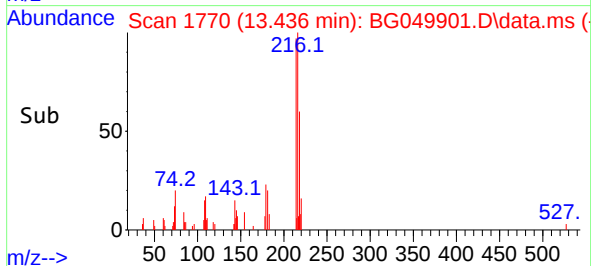
Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-05



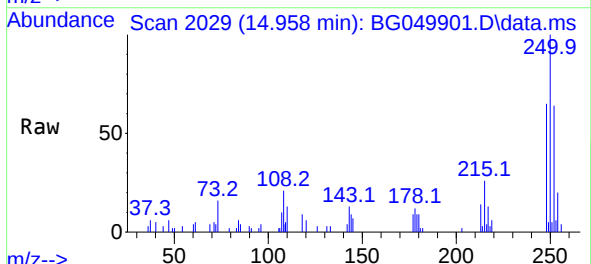
Tgt Ion:216 Resp: 11433
Ion Ratio Lower Upper
216 100
214 97.1 70.9 106.3
218 60.3 40.9 61.3

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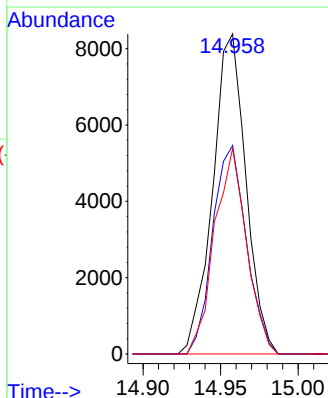
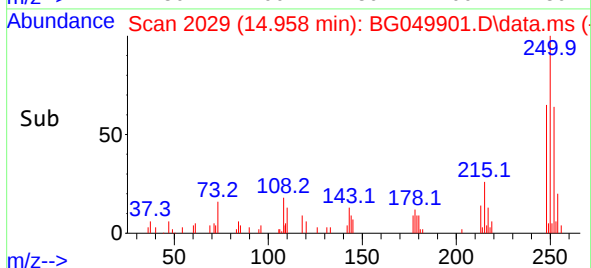
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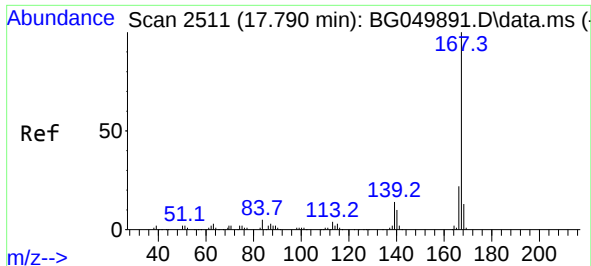


#76
Pentachlorobenzene
Concen: 4.139 ng/uL
RT: 14.958 min Scan# 2029
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



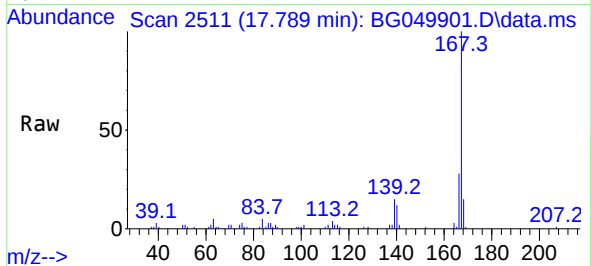
Tgt Ion:250 Resp: 12513
Ion Ratio Lower Upper
250 100
248 65.1 51.5 77.3
252 64.3 47.9 71.9





#77
 Carbazole
 Concen: 4.337 ng/ul
 RT: 17.789 min Scan# 2511
 Delta R.T. -0.001 min
 Lab File: BG049901.D
 Acq: 19 Aug 2021 20:20

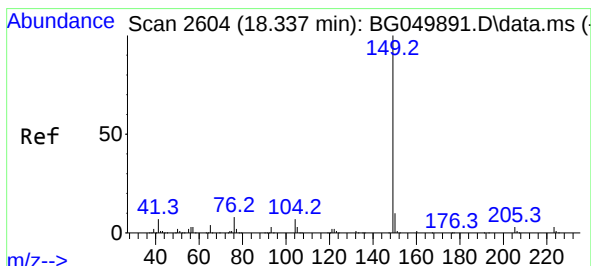
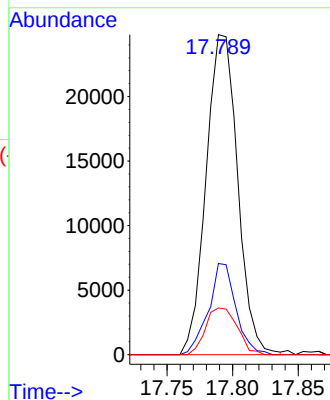
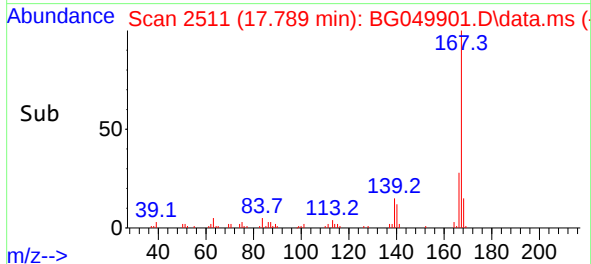
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT3-2021-05



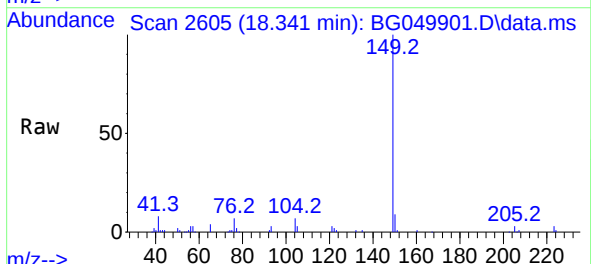
Tgt Ion:167 Resp: 41457
 Ion Ratio Lower Upper
 167 100
 166 28.5 17.8 26.8#
 139 14.6 11.1 16.7

Manual Integrations
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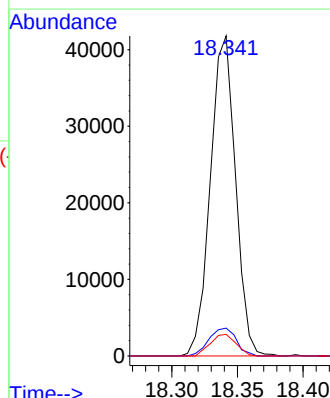
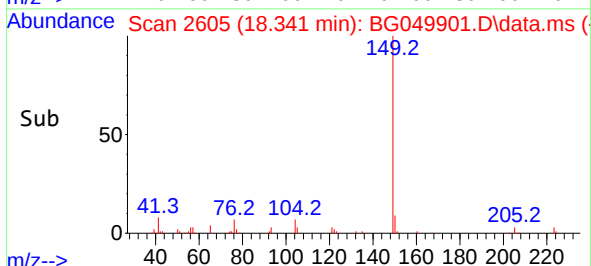
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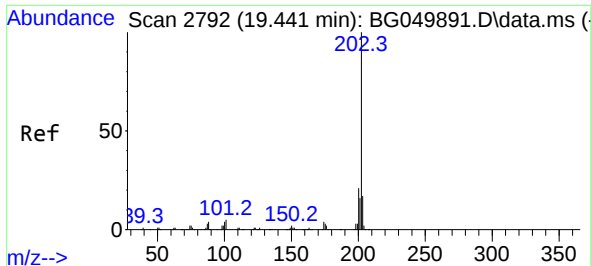


#78
 Di-n-butylphthalate
 Concen: 4.554 ng/ul
 RT: 18.341 min Scan# 2605
 Delta R.T. 0.005 min
 Lab File: BG049901.D
 Acq: 19 Aug 2021 20:20



Tgt Ion:149 Resp: 55681
 Ion Ratio Lower Upper
 149 100
 150 8.7 8.1 12.1
 104 6.8 5.3 7.9





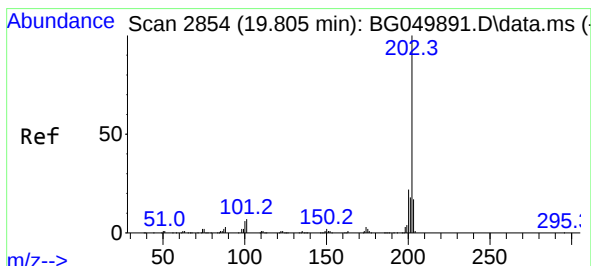
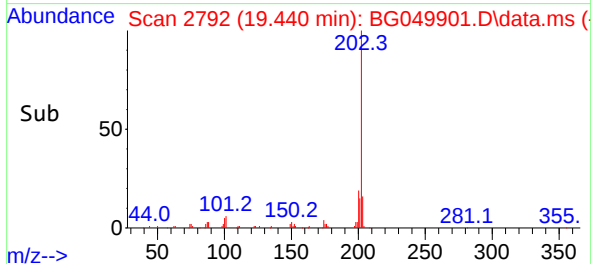
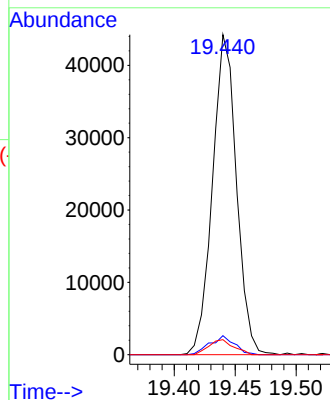
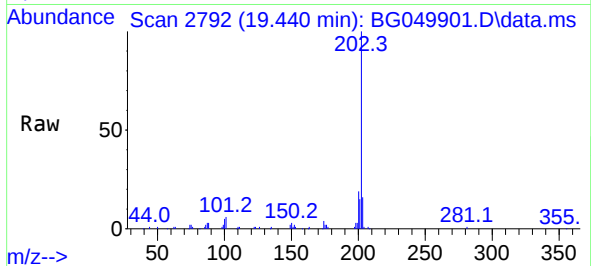
#80
Fluoranthene
Concen: 4.244 ng/ul
RT: 19.440 min Scan# 2792
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:	202	Resp:	60574
Ion Ratio	Lower	Upper	
202	100		
101	5.9	4.3	6.5
100	4.7	3.5	5.3

Instrument :
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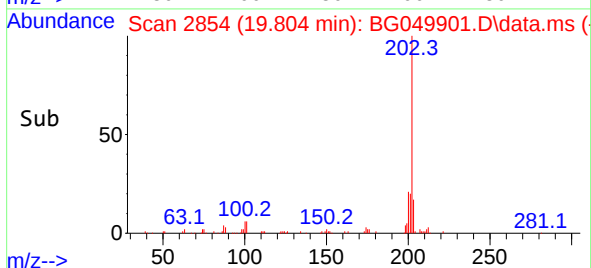
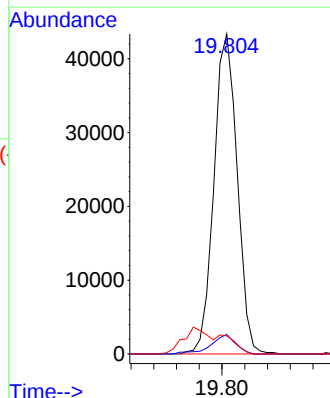
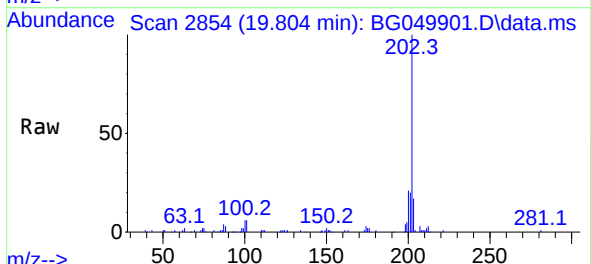
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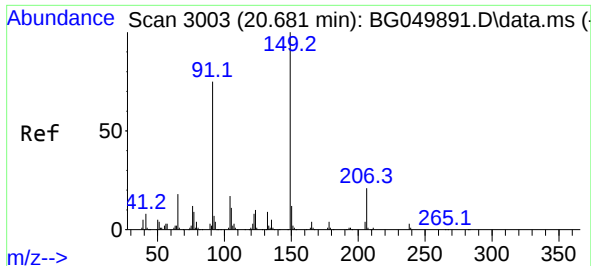
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#82
Pyrene
Concen: 4.353 ng/ul
RT: 19.804 min Scan# 2854
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:	202	Resp:	61572
Ion Ratio	Lower	Upper	
202	100		
101	6.1	5.4	8.0
100	5.6	5.0	7.6





#83

Butylbenzylphthalate

Concen: 4.338 ng/ul

RT: 20.679 min Scan# 3003

Delta R.T. -0.001 min

Lab File: BG049901.D

Acq: 19 Aug 2021 20:20

Tgt Ion:	149	Resp:	24212
Ion Ratio	Lower	Upper	
149	100		
91	76.9	60.6	90.8
206	21.8	16.8	25.2

Instrument :

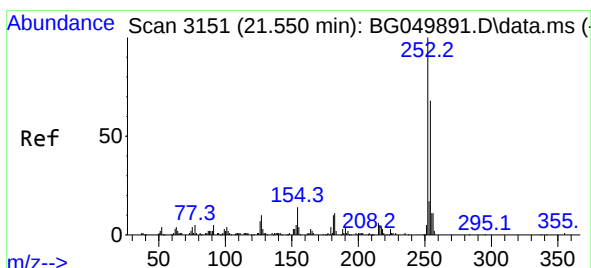
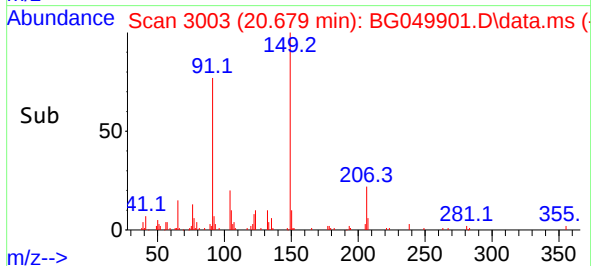
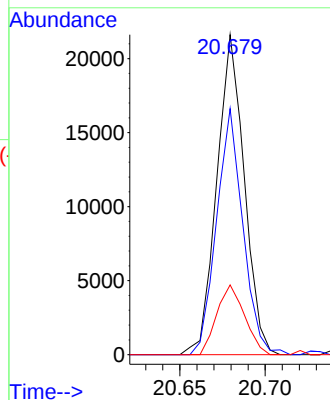
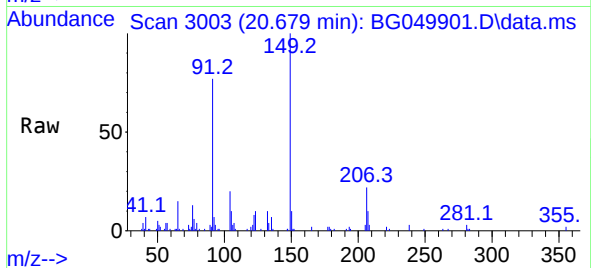
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ClientSampleId :

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#84

3,3'-Dichlorobenzidine

Concen: 4.441 ng/ul

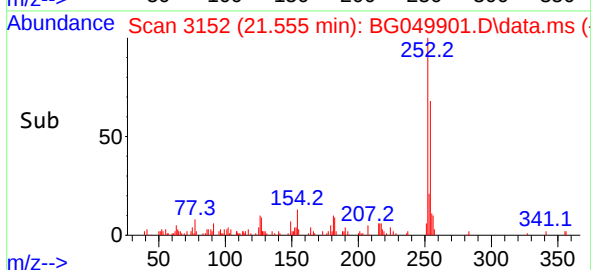
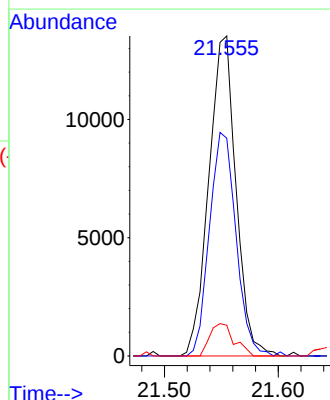
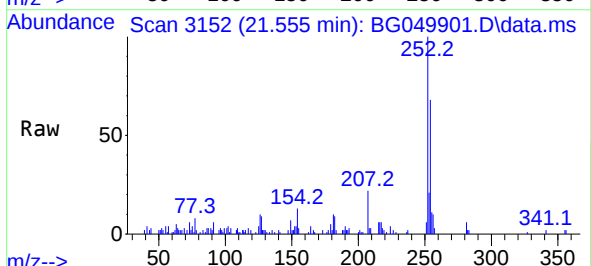
RT: 21.555 min Scan# 3152

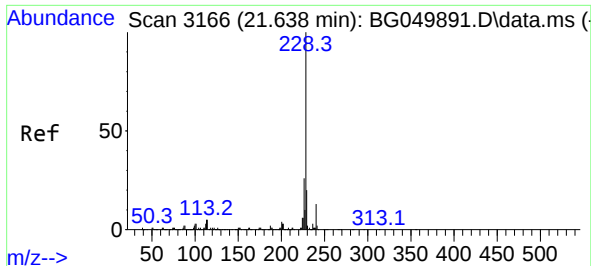
Delta R.T. 0.005 min

Lab File: BG049901.D

Acq: 19 Aug 2021 20:20

Tgt Ion:	252	Resp:	22534
Ion Ratio	Lower	Upper	
252	100		
254	68.1	54.2	81.2
126	9.6	5.4	8.0





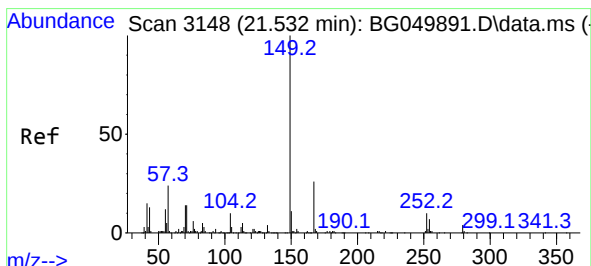
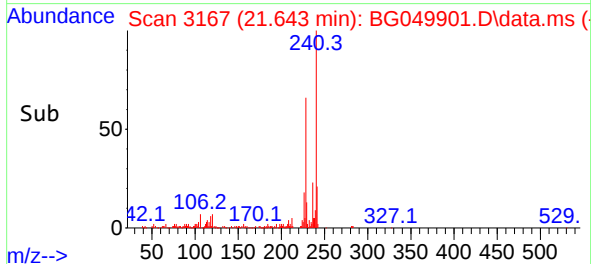
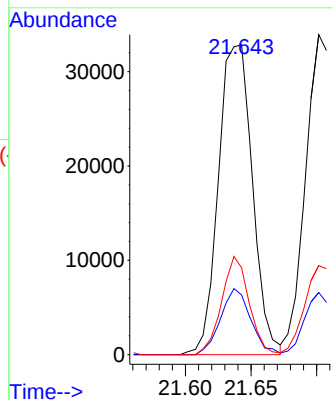
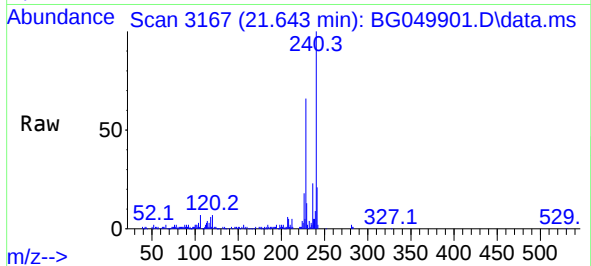
#85
Benzo(a)anthracene
Concen: 4.431 ng/ul
RT: 21.643 min Scan# 3167
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:	228	Resp:	59098
Ion Ratio	Lower	Upper	
228	100		
229	19.2	16.2	24.4
226	28.0	21.0	31.4

Instrument :
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ClientSampleId :
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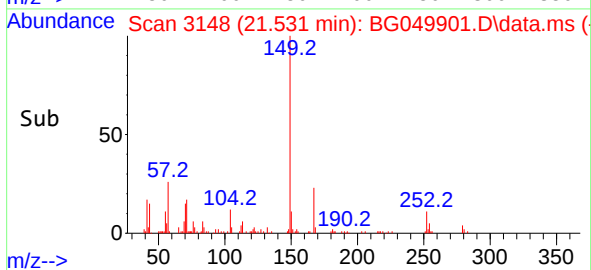
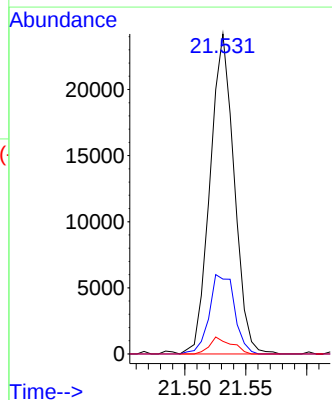
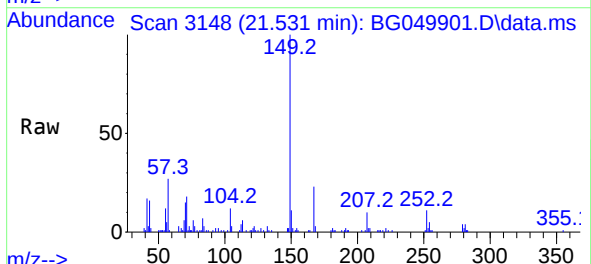
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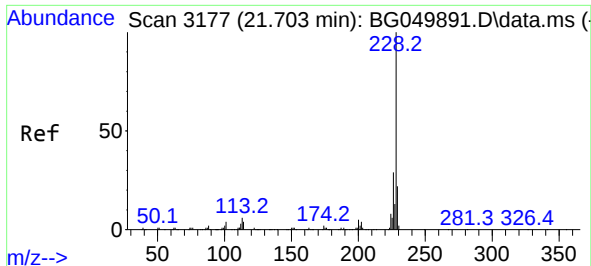
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#86
Bis(2-ethylhexyl)phthalate
Concen: 4.331 ng/ul
RT: 21.531 min Scan# 3148
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:	149	Resp:	33196
Ion Ratio	Lower	Upper	
149	100		
167	23.4	20.4	30.6
279	3.9	3.7	5.5





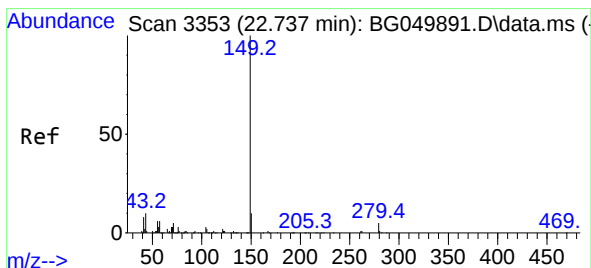
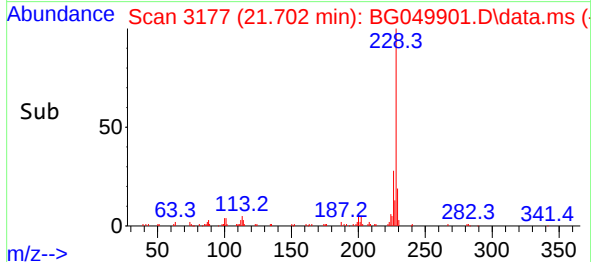
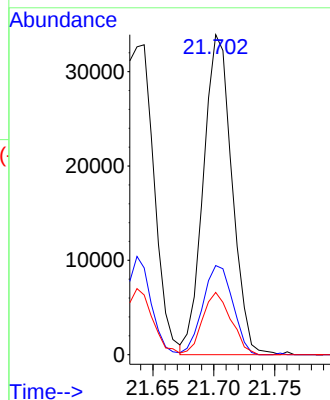
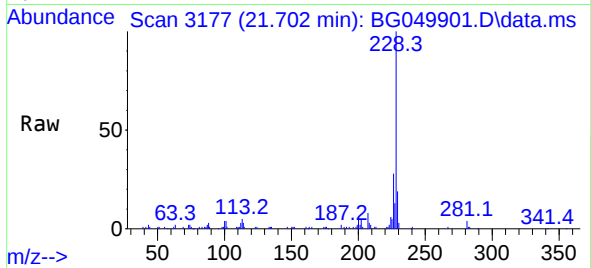
#87
Chrysene
Concen: 4.393 ng/ul
RT: 21.702 min Scan# 3177
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

Tgt Ion:228 Resp: 55383
Ion Ratio Lower Upper
228 100
226 27.9 23.0 34.4
229 19.4 17.8 26.6

Instrument :
BNA_G
ClientSampleId :
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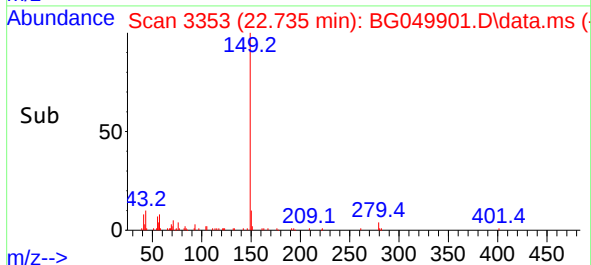
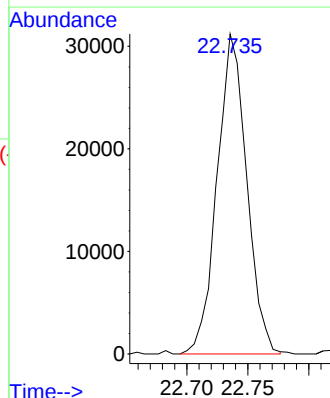
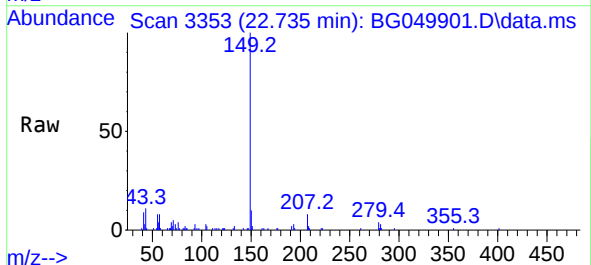
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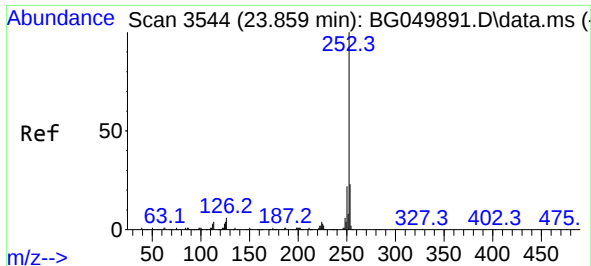
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#89
Di-n-octyl phthalate
Concen: 4.335 ng/ul
RT: 22.735 min Scan# 3353
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

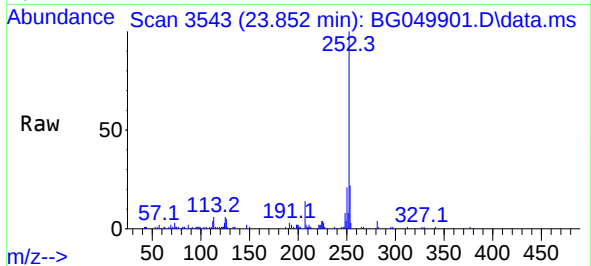
Tgt Ion:149 Resp: 52729





#90
Benzo(b)fluoranthene
Concen: 4.385 ng/ul
RT: 23.852 min Scan# 3543
Delta R.T. -0.007 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

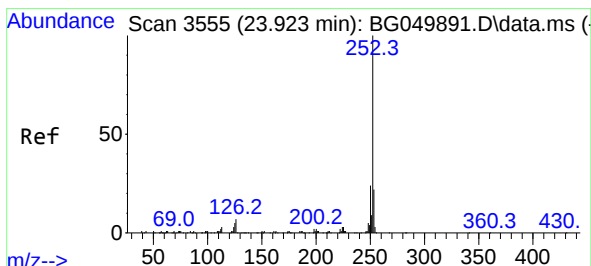
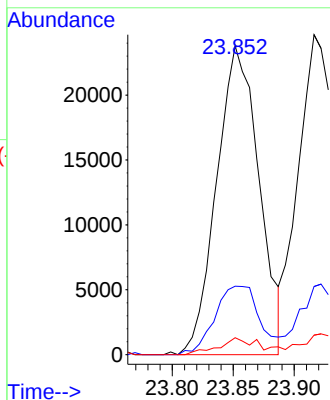
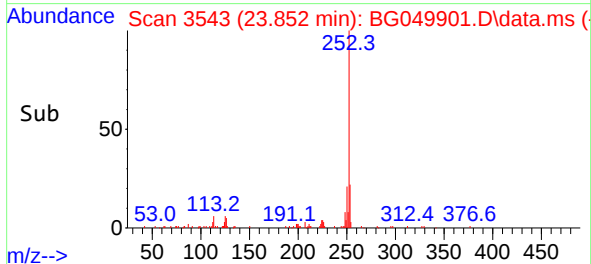
Instrument :
BNA_G
ClientSampleId :
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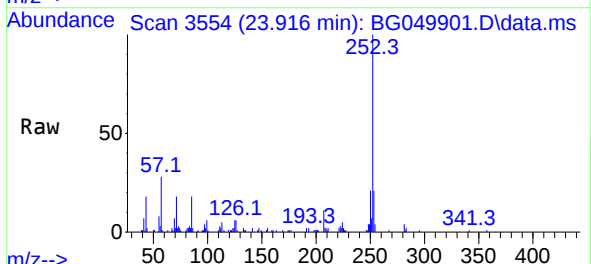
Tgt Ion:252 Resp: 57508
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 5.5 3.4 5.0#

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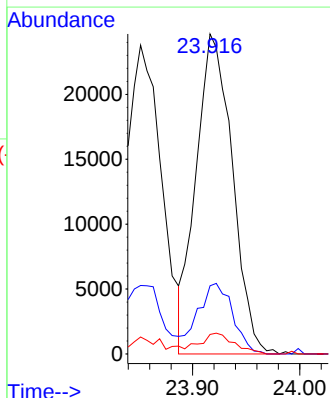
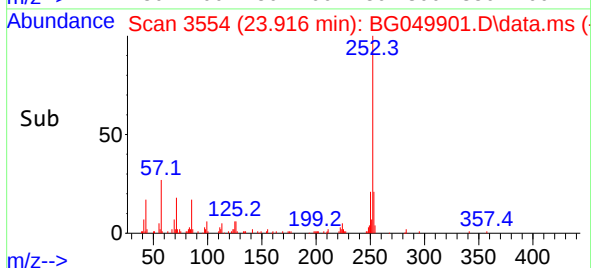
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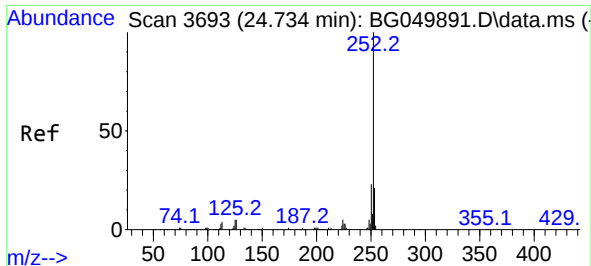


#91
Benzo(k)fluoranthene
Concen: 4.654 ng/ul m
RT: 23.916 min Scan# 3554
Delta R.T. -0.007 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



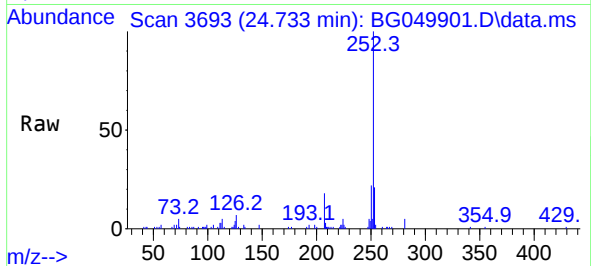
Tgt Ion:252 Resp: 58022
Ion Ratio Lower Upper
252 100
253 21.3 17.7 26.5
125 6.1 4.1 6.1#





#93
Benzo(a)pyrene
Concen: 4.317 ng/ul
RT: 24.733 min Scan# 3693
Delta R.T. -0.001 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

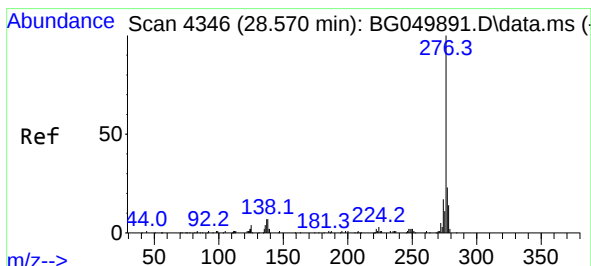
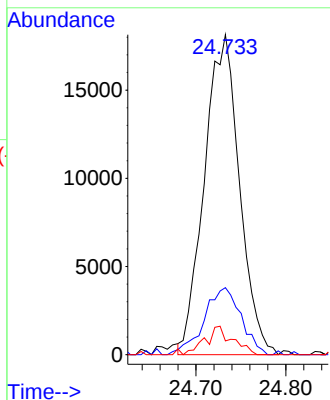
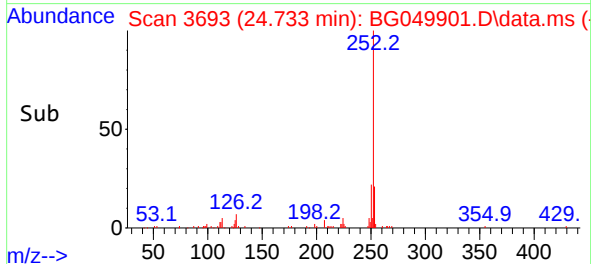
Instrument :
BNA_G
ClientSampleId :
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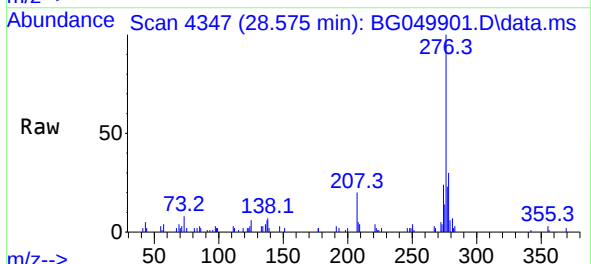
Tgt Ion:252 Resp: 49171
Ion Ratio Lower Upper
252 100
253 20.9 17.0 25.4
125 4.3 4.4 6.6#

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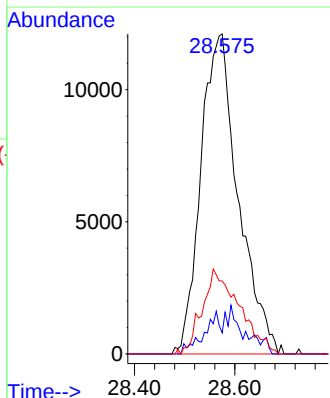
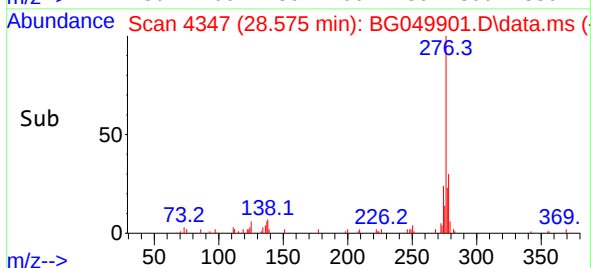
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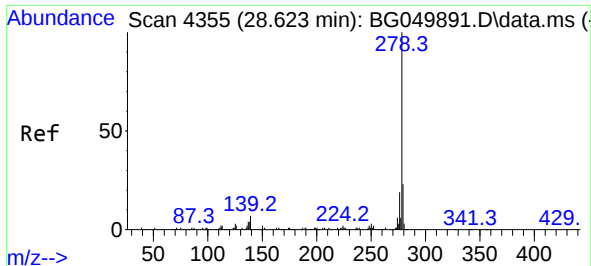


#94
Indeno(1,2,3-cd)pyrene
Concen: 4.158 ng/ul
RT: 28.575 min Scan# 4347
Delta R.T. 0.005 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



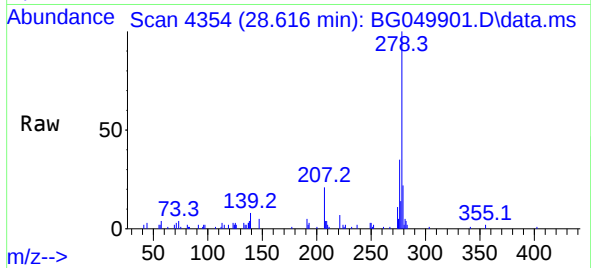
Tgt Ion:276 Resp: 62473
Ion Ratio Lower Upper
276 100
138 6.6 5.5 8.3
277 22.8 18.6 27.8





#95
Dibenzo(a,h)anthracene
Concen: 4.280 ng/ul
RT: 28.616 min Scan# 4354
Delta R.T. -0.007 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20

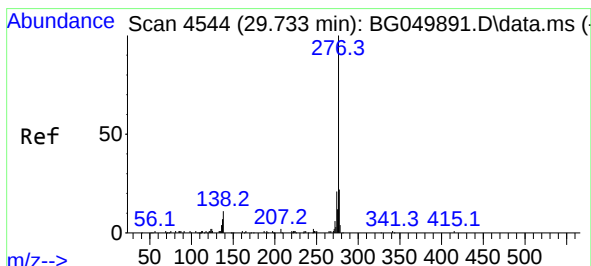
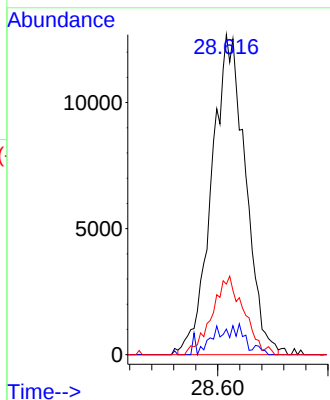
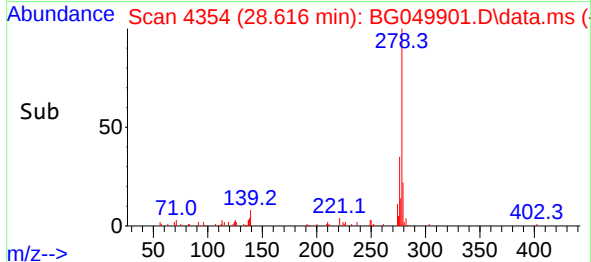
Instrument :
BNA_G
ClientSampleId :
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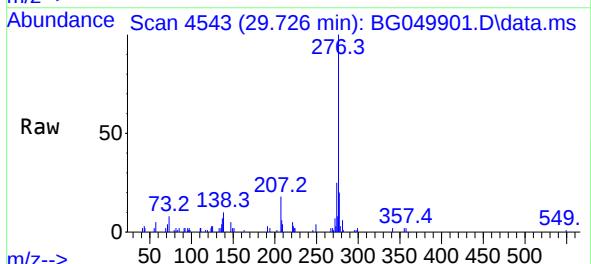
Tgt Ion:278 Resp: 53832
Ion Ratio Lower Upper
278 100
139 8.0 5.2 7.8#
279 22.0 19.0 28.4

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#96
Benzo(g,h,i)perylene
Concen: 4.299 ng/ul m
RT: 29.726 min Scan# 4543
Delta R.T. -0.007 min
Lab File: BG049901.D
Acq: 19 Aug 2021 20:20



Tgt Ion:276 Resp: 54309
Ion Ratio Lower Upper
276 100
138 9.6 8.6 13.0
277 19.6 17.4 26.0

