

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040121\
 Data File : BG048552.D
 Acq On : 1 Apr 2021 20:29
 Operator : CG/JU
 Sample : M1835-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ASR7

Quant Time: Apr 02 03:04:35 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 01 11:19:59 2021
 Response via : Initial Calibration

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

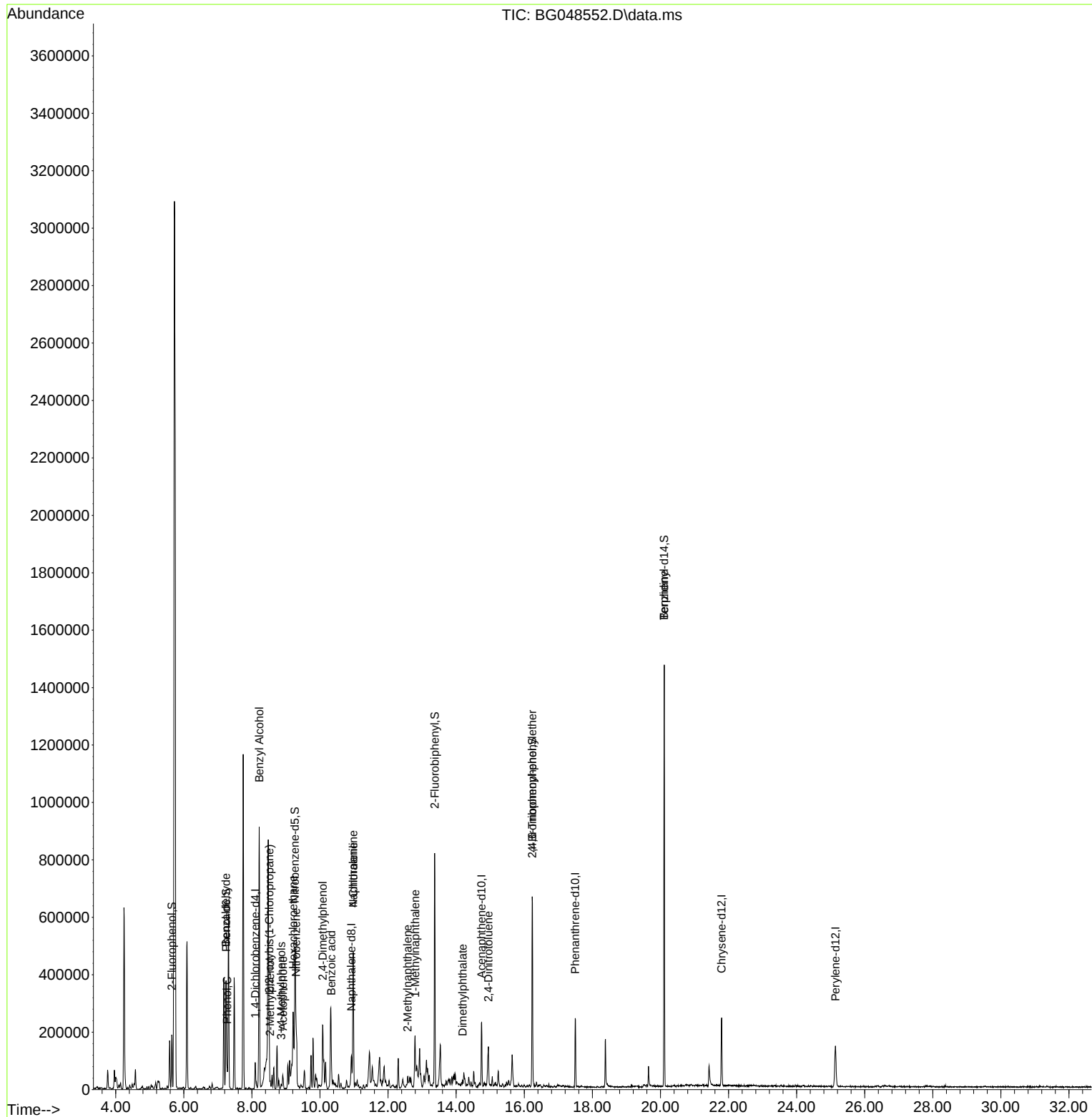
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.097	152	22866	20.00	ng	# 0.00
21) Naphthalene-d8	10.923	136	94953	20.00	ng	# 0.00
39) Acenaphthene-d10	14.742	164	66700	20.00	ng	-0.01
64) Phenanthrene-d10	17.498	188	148442	20.00	ng	# 0.00
76) Chrysene-d12	21.799	240	149612	20.00	ng	0.00
86) Perylene-d12	25.142	264	156537	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.647	112	76267	58.89	ng	0.00
7) Phenol-d6	7.245	99	57154	30.43	ng	0.00
23) Nitrobenzene-d5	9.266	82	180485	92.03	ng	0.00
42) 2,4,6-Tribromophenol	16.241	330	113846	129.84	ng	0.00
45) 2-Fluorobiphenyl	13.367	172	398231	88.74	ng	-0.01
79) Terphenyl-d14	20.113	244	662875	81.03	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.234	77	23076	19.22	ng	# 1
10) Phenol	7.275	94	31477	16.74	ng	98
15) Benzyl Alcohol	8.215	79	49650	32.27	ng	# 3
16) 2,2'-oxybis(1-Chloropr...	8.514	45	22708	18.04	ng	87
17) 2-Methylphenol	8.532	107	6587	5.41	ng	# 84
18) Hexachloroethane	9.214	117	19119	30.95	ng	# 1
20) 3+4-Methylphenols	8.861	107	7470	4.42	ng	# 84
22) Acetophenone	8.908	105	33887	13.84	ng	# 60
24) Nitrobenzene	9.296	77	6342	3.30	ng	# 18
27) 2,4-Dimethylphenol	10.077	122	84915	61.02	ng	97
31) Naphthalene	10.976	128	363794	74.51	ng	100
32) Benzoic acid	10.330	122	6921	6.47	ng	# 19
33) 4-Chloroaniline	10.976	127	48988	23.78	ng	# 36
37) 2-Methylnaphthalene	12.574	142	15954	4.10	ng	97
38) 1-Methylnaphthalene	12.798	142	27914	7.53	ng	# 92
50) Dimethylphthalate	14.190	163	12311	2.49	ng	# 90
57) 2,4-Dinitrotoluene	14.948	165	4556	2.84	ng	# 51
67) 4-Bromophenyl-phenylether	16.235	248	8956	5.44	ng	# 1
77) Benzidine	20.113	184	11849	2.34	ng	# 94

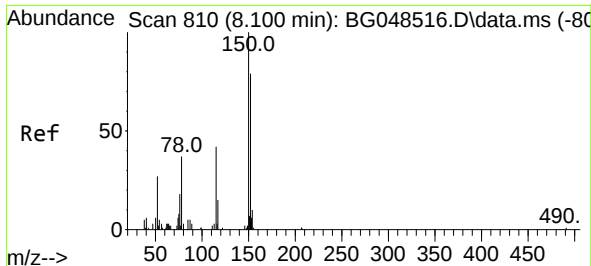
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 02 03:04:35 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 01 11:19:59 2021
Response via : Initial Calibration

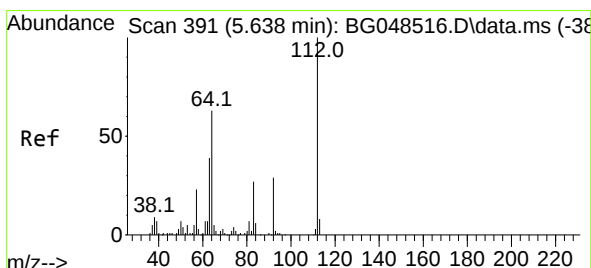
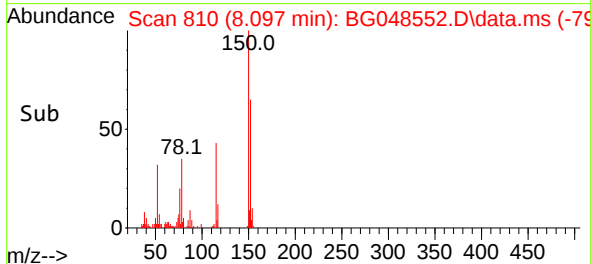
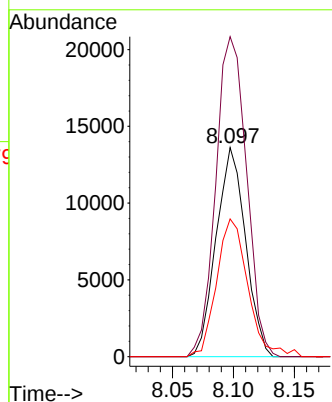
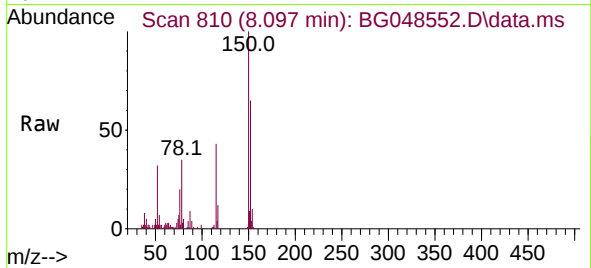




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.097 min Scan# 810
Delta R.T. -0.007 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

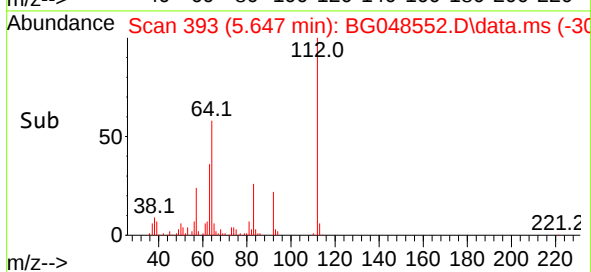
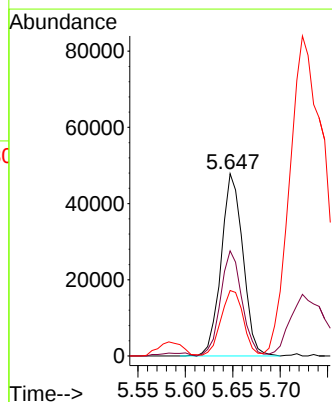
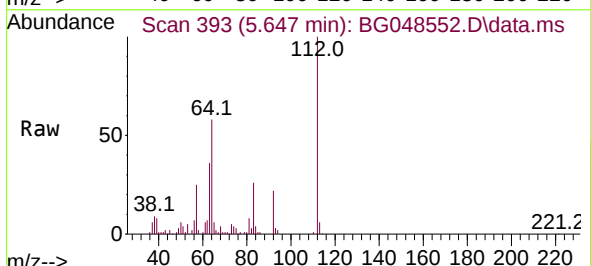
Instrument :
BNA_G
ClientSampleId :
ASR7

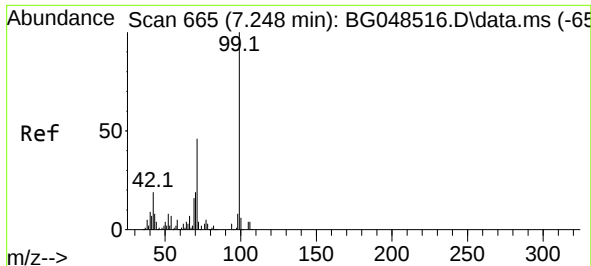
Tgt Ion:152 Resp: 22866
Ion Ratio Lower Upper
152 100
150 153.0 101.3 151.9#
115 65.9 42.3 63.5#



#5
2-Fluorophenol
Concen: 58.89 ng
RT: 5.647 min Scan# 393
Delta R.T. 0.005 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

Tgt Ion:112 Resp: 76267
Ion Ratio Lower Upper
112 100
64 57.7 50.4 75.6
63 35.9 31.4 47.2

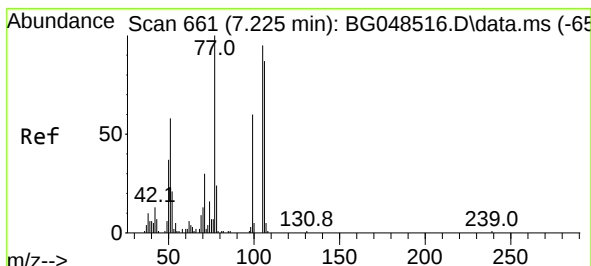
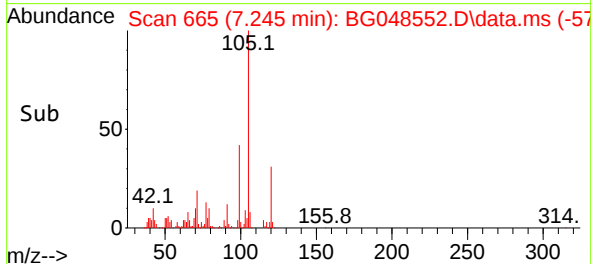
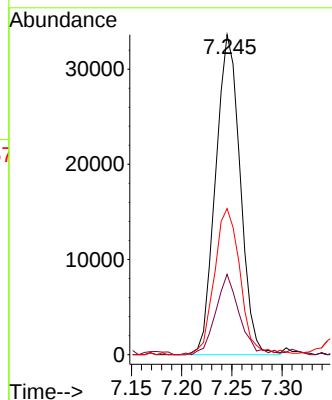
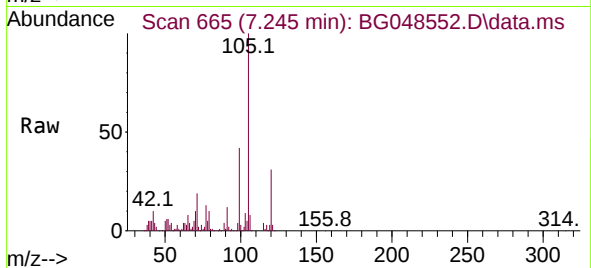




#7
Phenol-d6
Concen: 30.43 ng
RT: 7.245 min Scan# 665
Delta R.T. -0.006 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

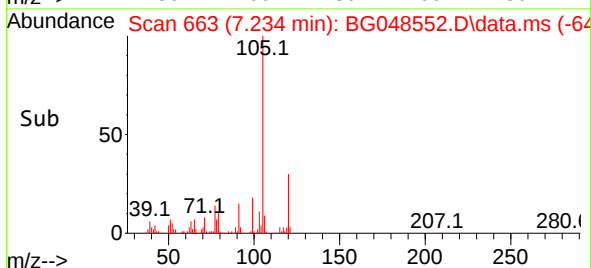
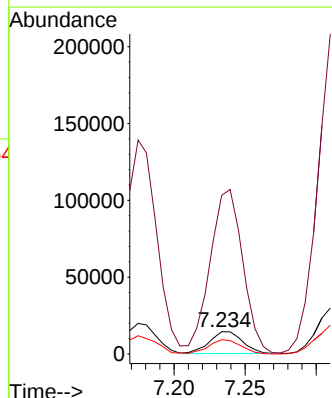
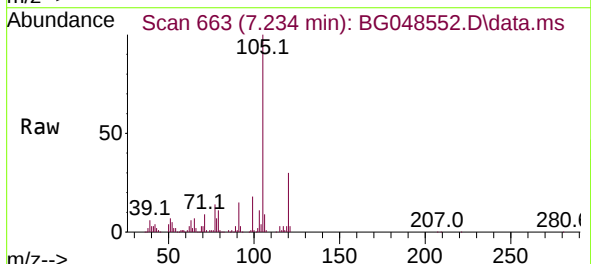
Instrument :
BNA_G
ClientSampleId :
ASR7

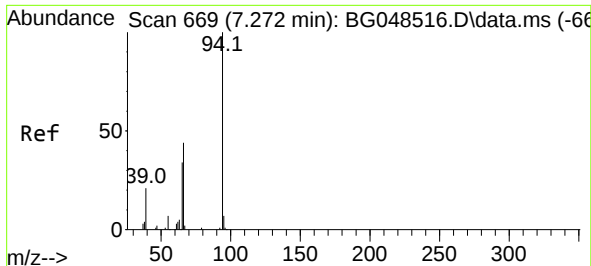
Tgt Ion: 99 Resp: 57154
Ion Ratio Lower Upper
99 100
42 25.1 15.5 23.3#
71 45.6 36.6 54.8



#9
Benzaldehyde
Concen: 19.22 ng
RT: 7.234 min Scan# 663
Delta R.T. -0.000 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

Tgt Ion: 77 Resp: 23076
Ion Ratio Lower Upper
77 100
105 711.4 75.2 115.2#
106 63.7 66.5 106.5#

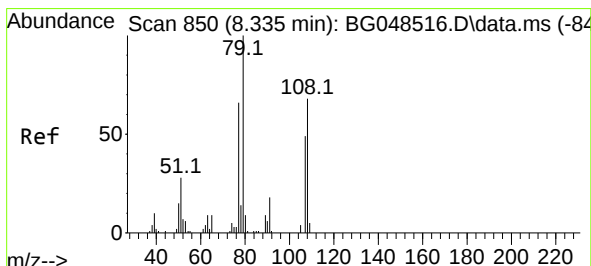
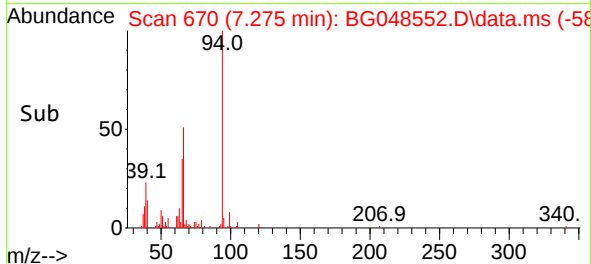
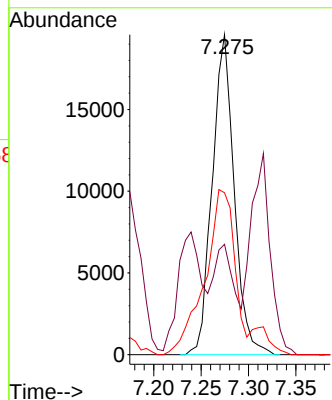
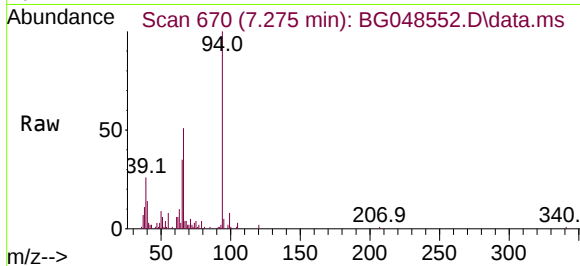




#10
Phenol
Concen: 16.74 ng
RT: 7.275 min Scan# 670
Delta R.T. -0.006 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

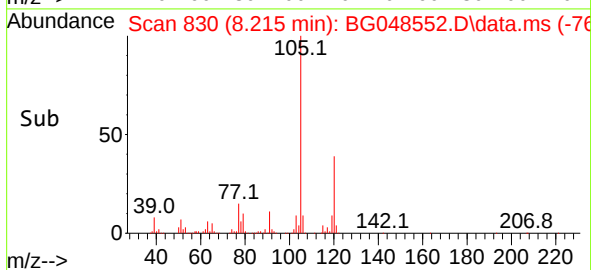
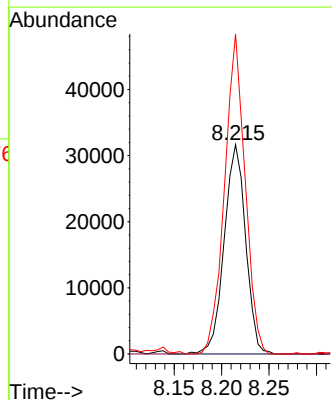
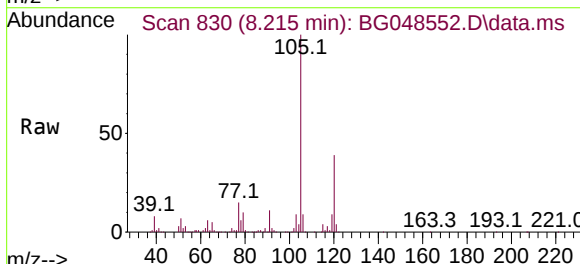
Instrument :
BNA_G
ClientSampleId :
ASR7

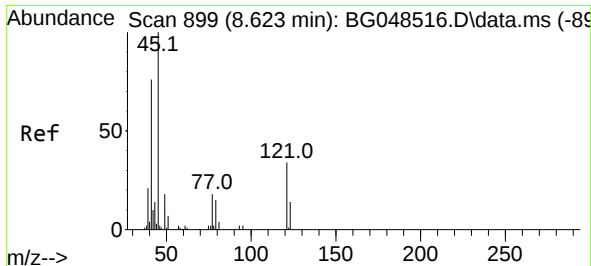
Tgt Ion: 94 Resp: 31477
Ion Ratio Lower Upper
94 100
65 34.5 15.1 55.1
66 50.6 28.9 68.9



#15
Benzyl Alcohol
Concen: 32.27 ng
RT: 8.215 min Scan# 830
Delta R.T. -0.124 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

Tgt Ion: 79 Resp: 49650
Ion Ratio Lower Upper
79 100
108 0.0 54.1 81.1#
77 152.9 52.6 79.0#

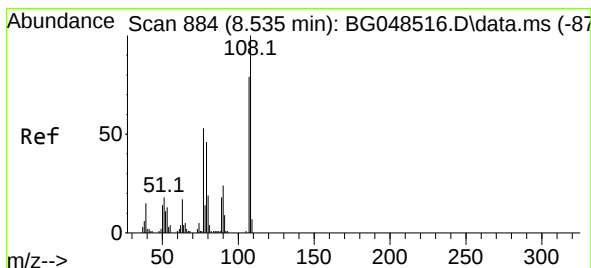
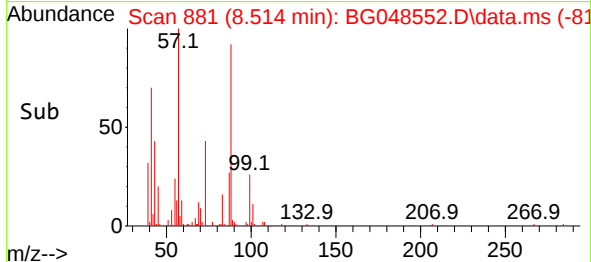
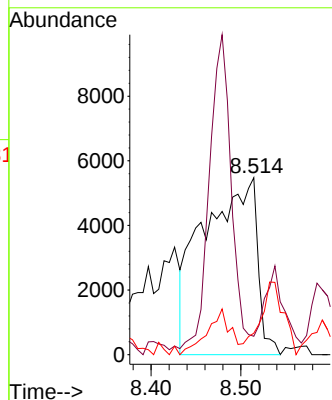
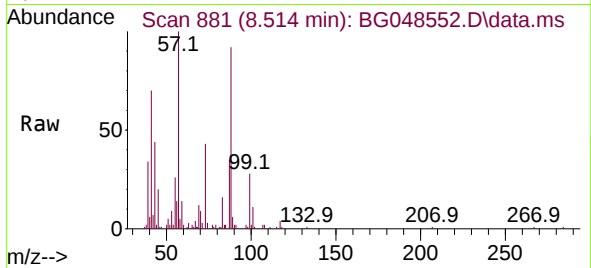




#16
2,2'-oxybis(1-Chloropropane)
Concen: 18.04 ng
RT: 8.514 min Scan# 881
Delta R.T. -0.112 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

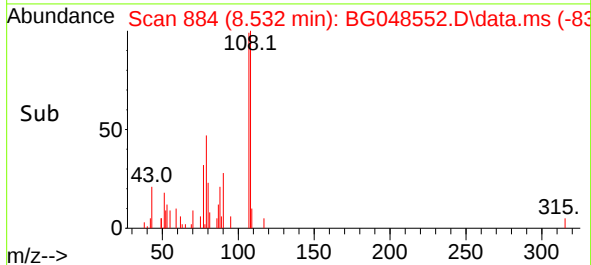
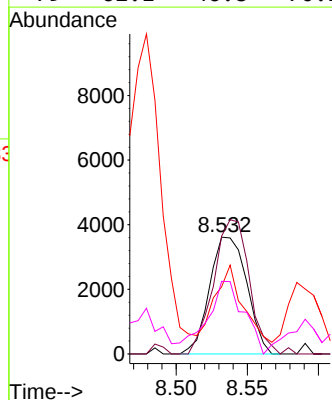
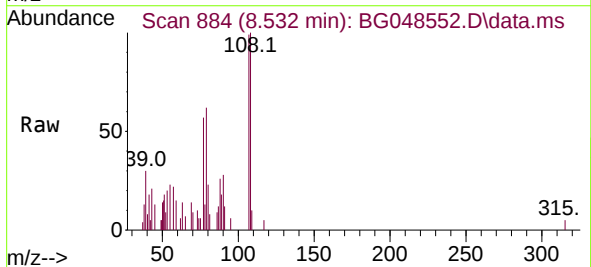
Instrument :
BNA_G
ClientSampleId :
ASR7

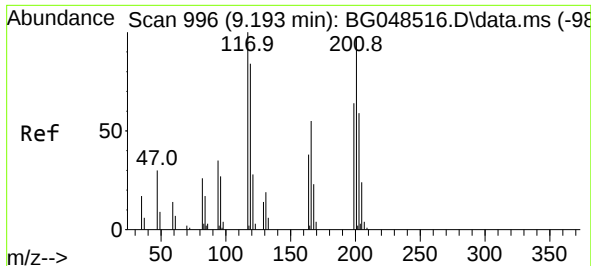
Tgt Ion: 45 Resp: 22708
Ion Ratio Lower Upper
45 100
77 10.4 0.0 38.4
79 12.1 0.0 34.5



#17
2-Methylphenol
Concen: 5.41 ng
RT: 8.532 min Scan# 884
Delta R.T. -0.012 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

Tgt Ion: 107 Resp: 6587
Ion Ratio Lower Upper
107 100
108 101.0 101.7 152.5#
77 57.5 54.4 81.6
79 62.1 46.8 70.2

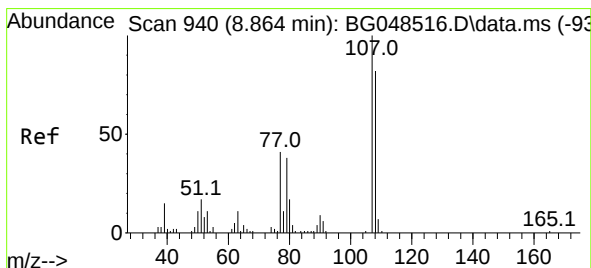
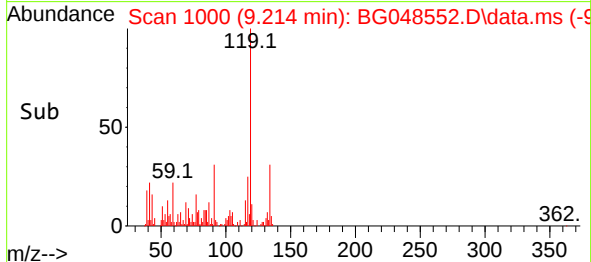
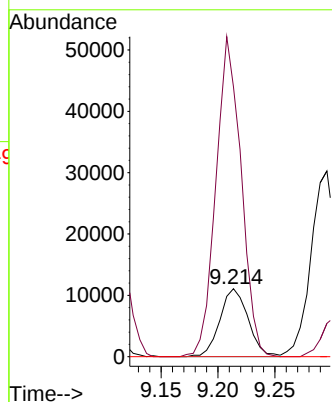
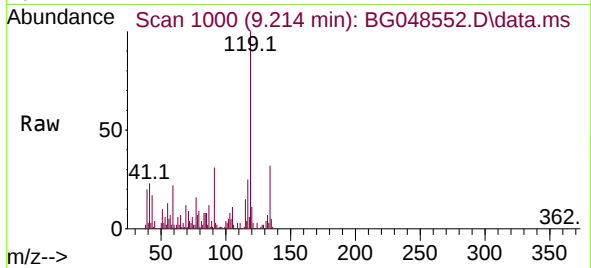




#18
Hexachloroethane
Concen: 30.95 ng
RT: 9.214 min Scan# 1000
Delta R.T. 0.017 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

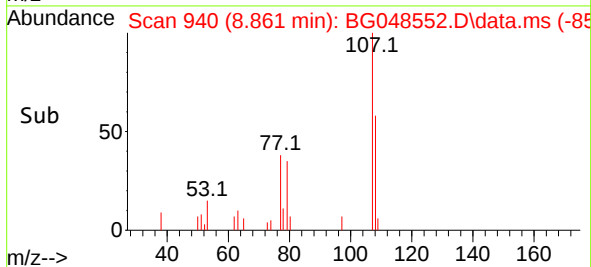
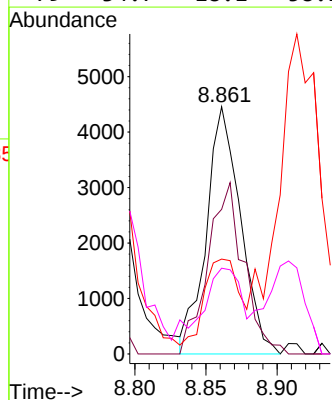
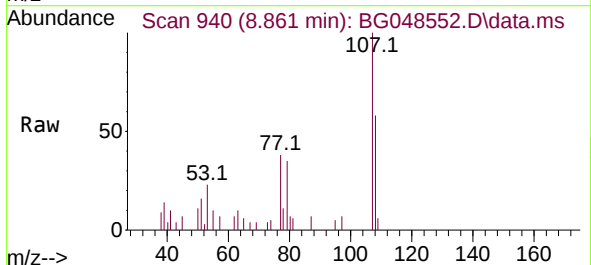
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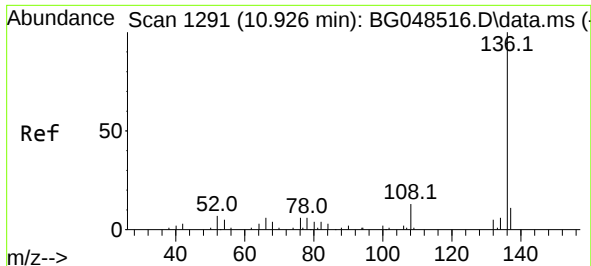
Tgt Ion:117 Resp: 19119
Ion Ratio Lower Upper
117 100
119 396.9 67.0 100.6#
201 0.0 79.8 119.6#



#20
3+4-Methylphenols
Concen: 4.42 ng
RT: 8.861 min Scan# 940
Delta R.T. -0.012 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

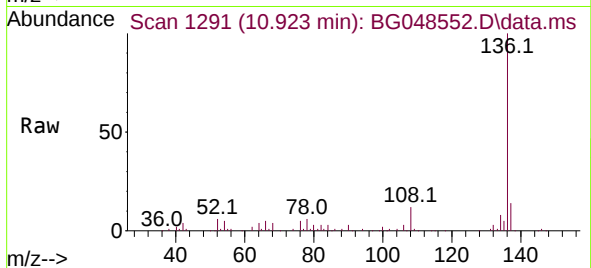
Tgt Ion:107 Resp: 7470
Ion Ratio Lower Upper
107 100
108 58.5 62.3 102.3#
77 38.4 21.3 61.3
79 34.7 18.1 58.1



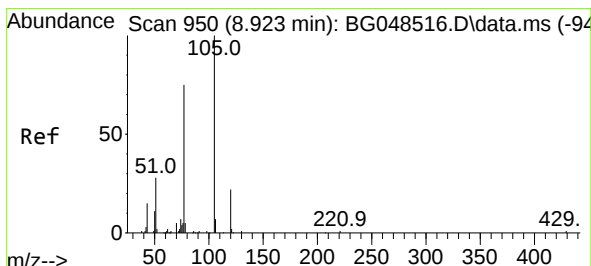
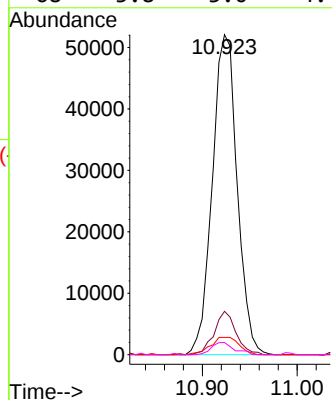
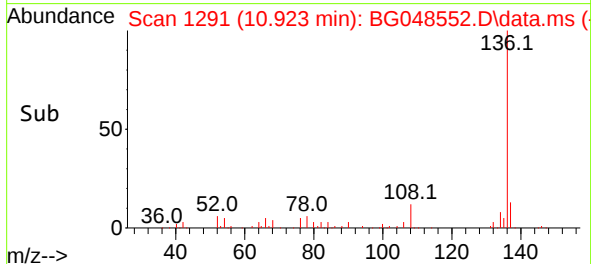


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.923 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

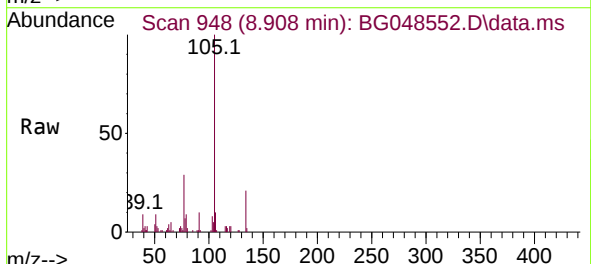
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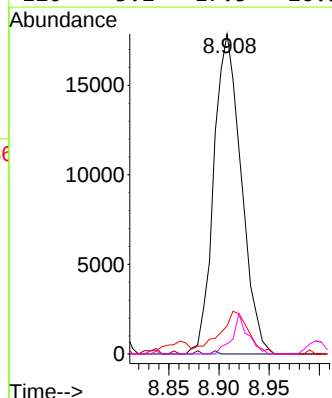
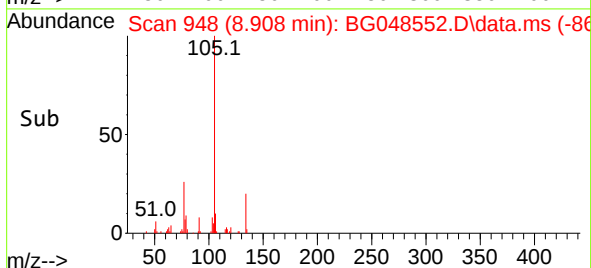
Tgt Ion:136 Resp: 94953
Ion Ratio Lower Upper
136 100
137 13.5 8.6 12.8#
54 5.4 4.2 6.4
68 3.8 3.0 4.4

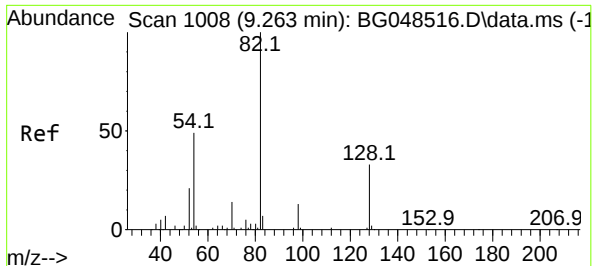


#22
Acetophenone
Concen: 13.84 ng
RT: 8.908 min Scan# 948
Delta R.T. -0.018 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29



Tgt Ion:105 Resp: 33887
Ion Ratio Lower Upper
105 100
71 0.0 1.1 1.7#
51 8.7 26.1 39.1#
120 3.2 17.5 26.3#





#23

Nitrobenzene-d5

Concen: 92.03 ng

RT: 9.266 min Scan# 1009

Delta R.T. -0.006 min

Lab File: BG048552.D

Acq: 1 Apr 2021 20:29

Instrument :

BNA_G

ClientSampleId :

ASR7

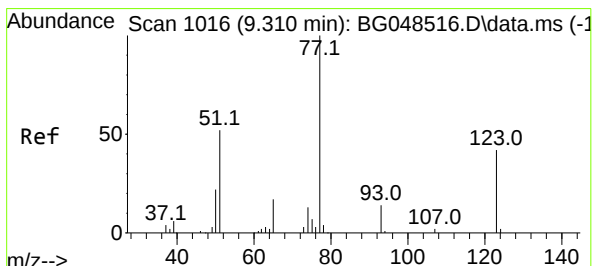
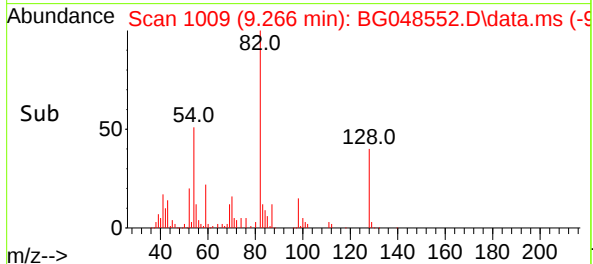
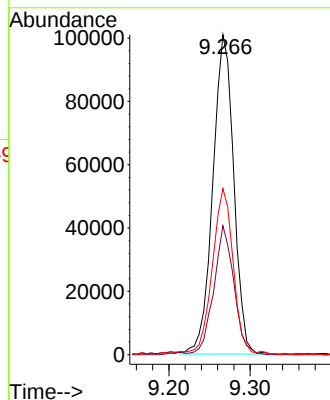
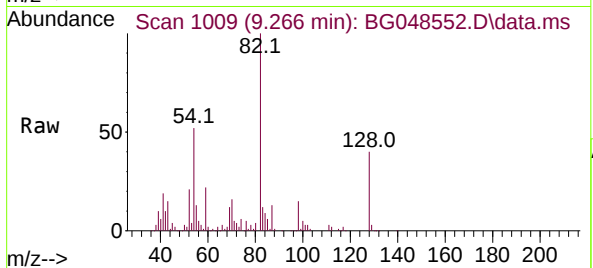
Tgt Ion: 82 Resp: 180485

Ion Ratio Lower Upper

82 100

128 40.3 26.2 39.4#

54 51.9 38.9 58.3



#24

Nitrobenzene

Concen: 3.30 ng

RT: 9.296 min Scan# 1014

Delta R.T. -0.018 min

Lab File: BG048552.D

Acq: 1 Apr 2021 20:29

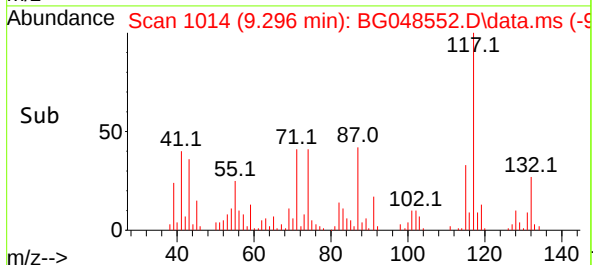
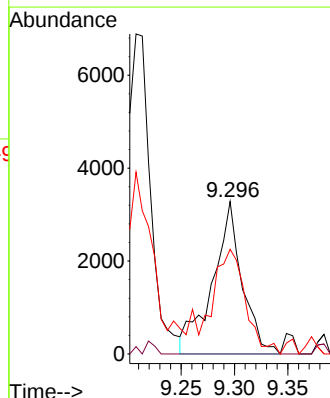
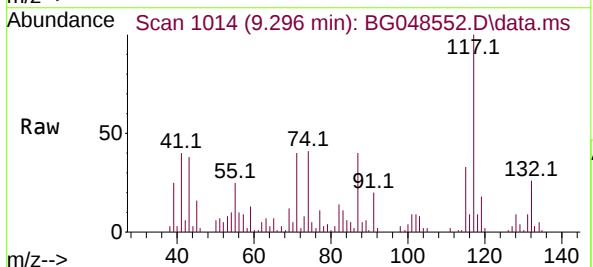
Tgt Ion: 77 Resp: 6342

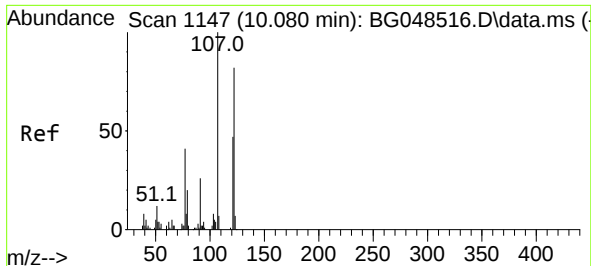
Ion Ratio Lower Upper

77 100

123 0.0 33.4 50.2#

65 68.6 13.3 19.9#

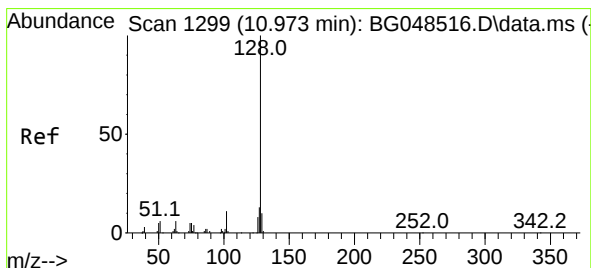
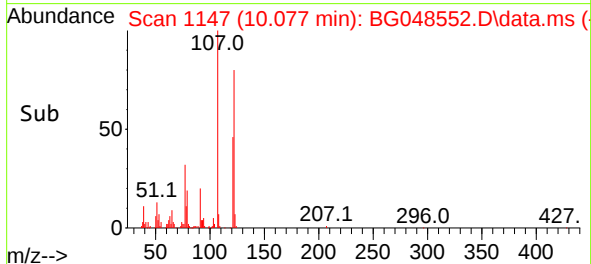
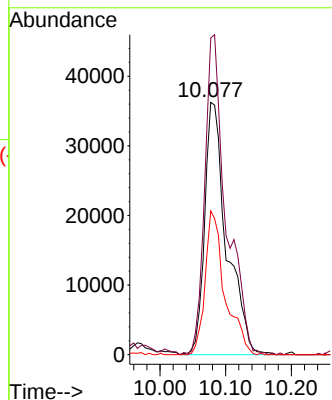
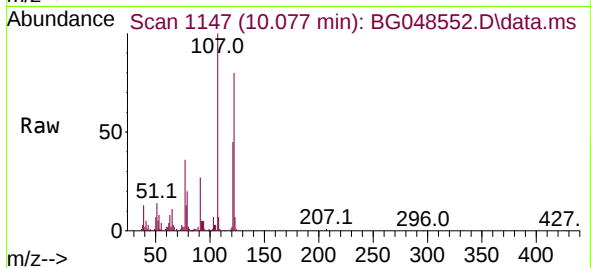




#27
2,4-Dimethylphenol
Concen: 61.02 ng
RT: 10.077 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

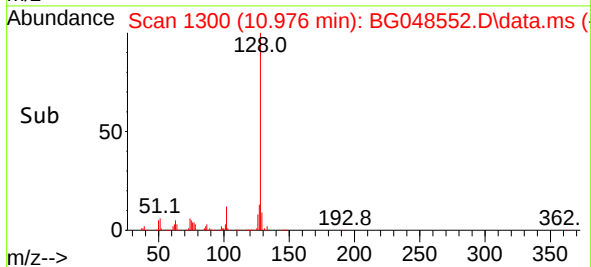
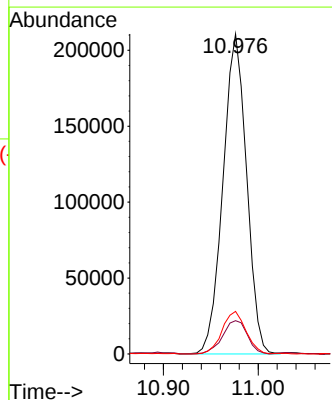
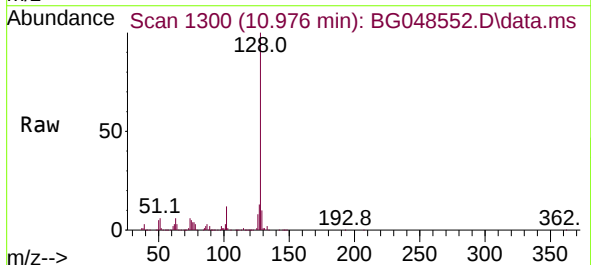
Instrument :
BNA_G
ClientSampleId :
ASR7

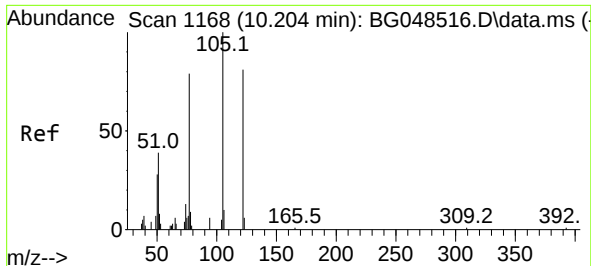
Tgt Ion:122 Resp: 84915
Ion Ratio Lower Upper
122 100
107 125.5 96.6 145.0
121 57.0 45.3 67.9



#31
Naphthalene
Concen: 74.51 ng
RT: 10.976 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

Tgt Ion:128 Resp: 363794
Ion Ratio Lower Upper
128 100
129 10.4 8.2 12.2
127 13.3 10.6 16.0

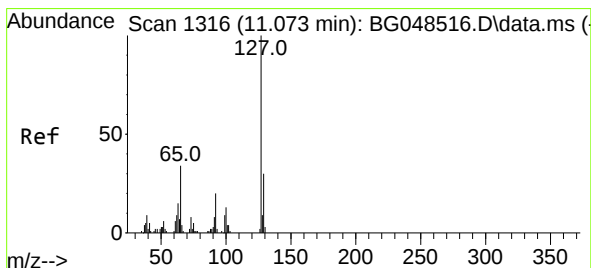
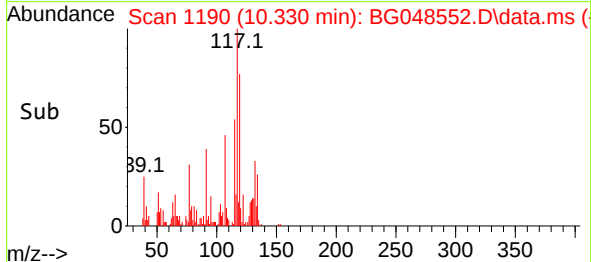
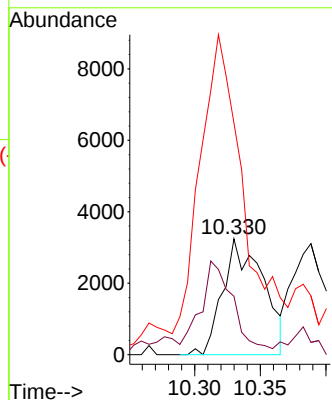
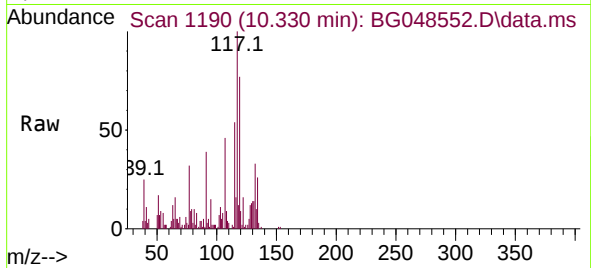




#32
Benzoic acid
Concen: 6.47 ng
RT: 10.330 min Scan# 1190
Delta R.T. 0.117 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

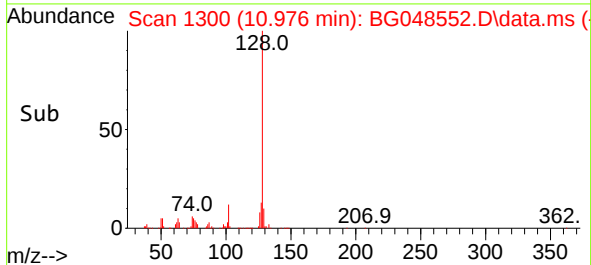
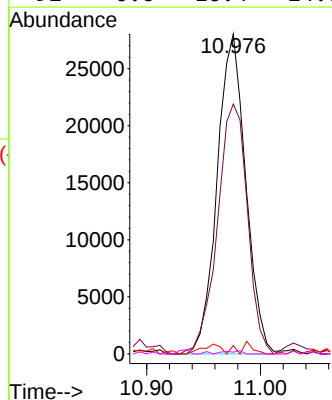
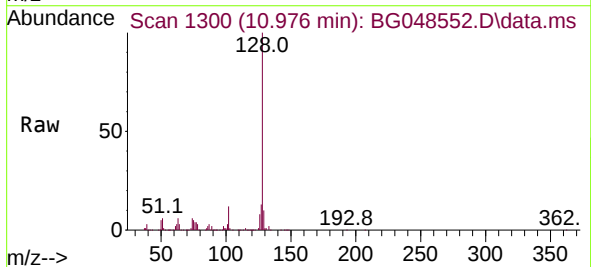
Instrument :
BNA_G
ClientSampleId :
ASR7

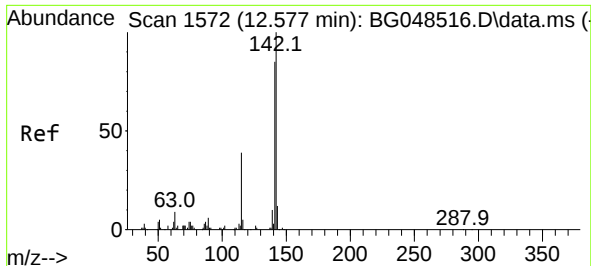
Tgt Ion:122 Resp: 6921
Ion Ratio Lower Upper
122 100
105 50.4 97.1 137.1#
77 199.8 76.8 116.8#



#33
4-Chloroaniline
Concen: 23.78 ng
RT: 10.976 min Scan# 1300
Delta R.T. -0.106 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

Tgt Ion:127 Resp: 48988
Ion Ratio Lower Upper
127 100
129 78.1 24.3 36.5#
65 2.7 27.0 40.4#
92 0.6 16.4 24.6#

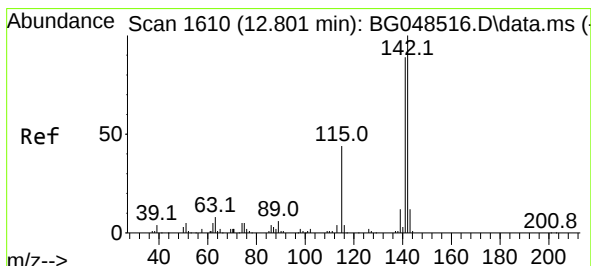
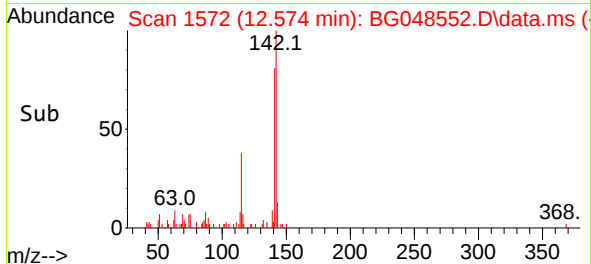
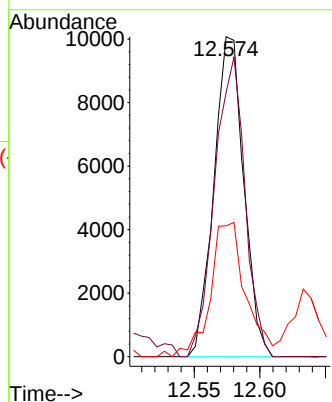
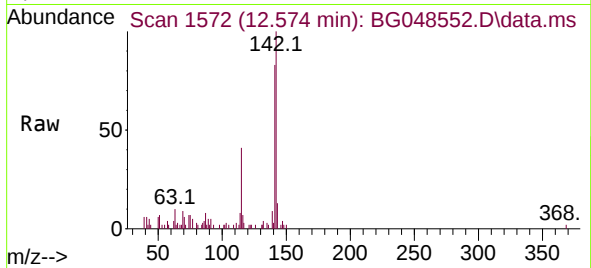




#37
2-Methylnaphthalene
Concen: 4.10 ng
RT: 12.574 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

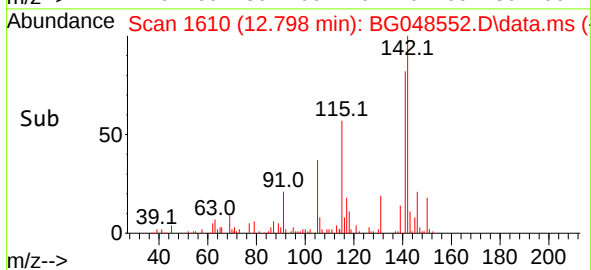
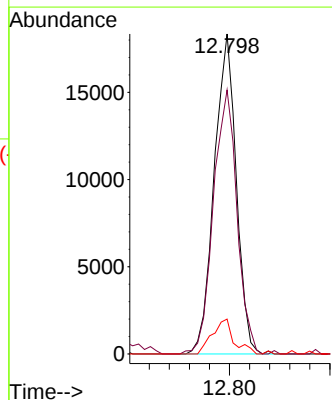
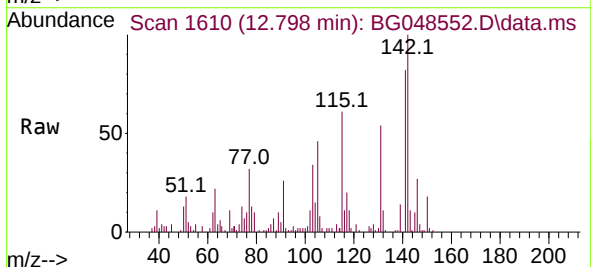
Instrument :
BNA_G
ClientSampleId :
ASR7

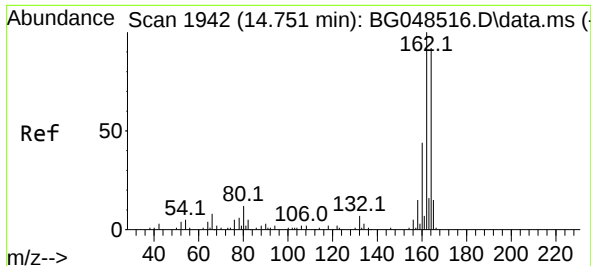
Tgt Ion:142 Resp: 15954
Ion Ratio Lower Upper
142 100
141 82.6 68.2 102.4
115 40.9 30.8 46.2



#38
1-Methylnaphthalene
Concen: 7.53 ng
RT: 12.798 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

Tgt Ion:142 Resp: 27914
Ion Ratio Lower Upper
142 100
141 82.5 71.2 106.8
116 10.9 3.4 5.0#

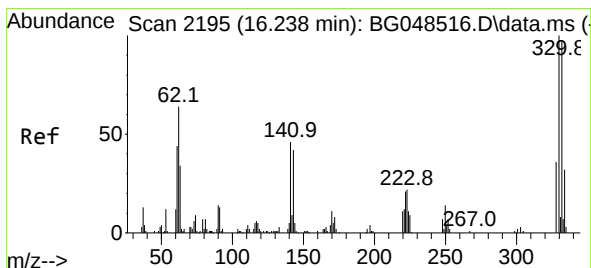
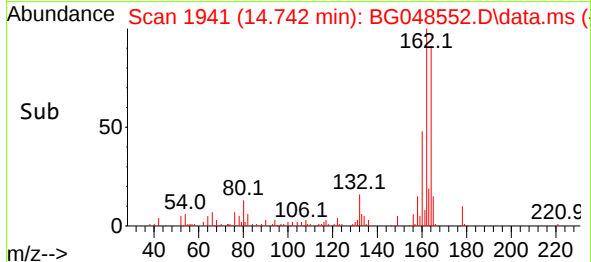
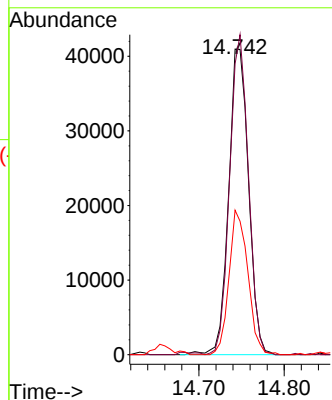
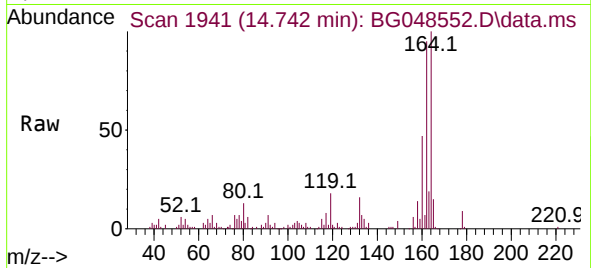




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.742 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

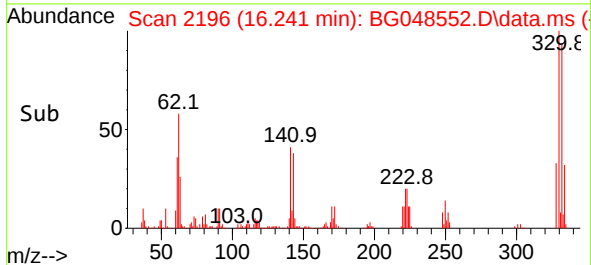
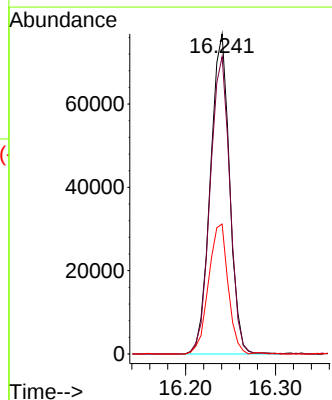
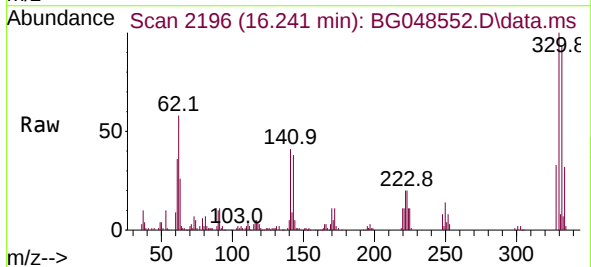
Instrument :
BNA_G
ClientSampled :
ASR7

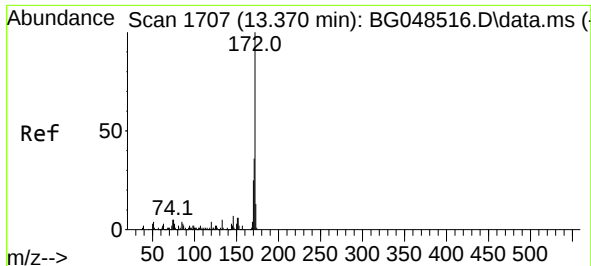
Tgt Ion:164 Resp: 66700
Ion Ratio Lower Upper
164 100
162 95.2 87.0 130.6
160 47.2 38.4 57.6



#42
2,4,6-Tribromophenol
Concen: 129.84 ng
RT: 16.241 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

Tgt Ion:330 Resp: 113846
Ion Ratio Lower Upper
330 100
332 95.2 77.6 116.4
141 41.5 34.6 52.0

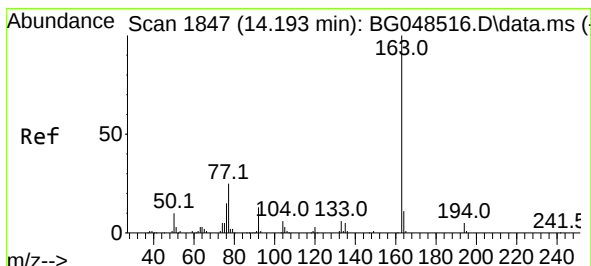
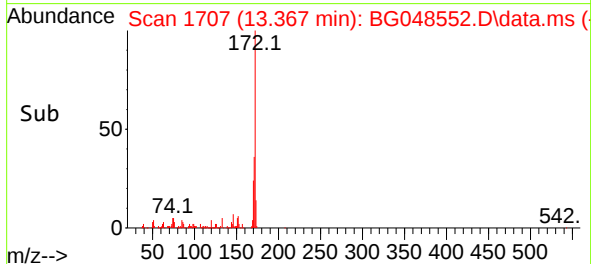
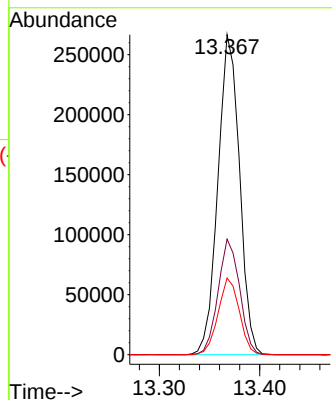
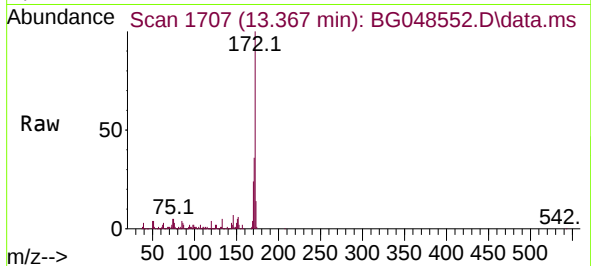




#45
2-Fluorobiphenyl
Concen: 88.74 ng
RT: 13.367 min Scan# 1707
Delta R.T. -0.012 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

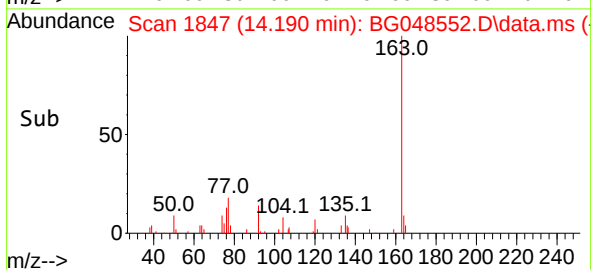
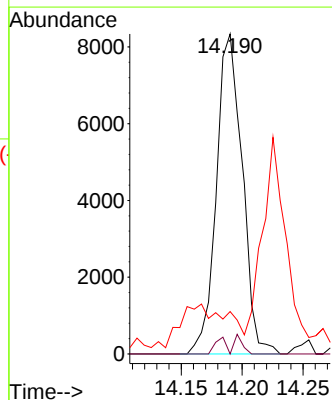
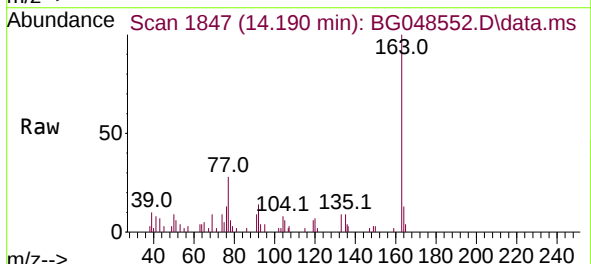
Instrument :
BNA_G
ClientSampleId :
ASR7

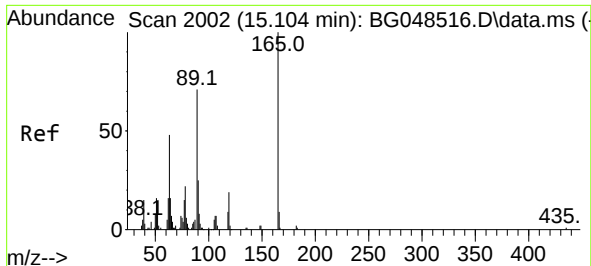
Tgt Ion:172 Resp: 398231
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 23.9 19.8 29.6



#50
Dimethylphthalate
Concen: 2.49 ng
RT: 14.190 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

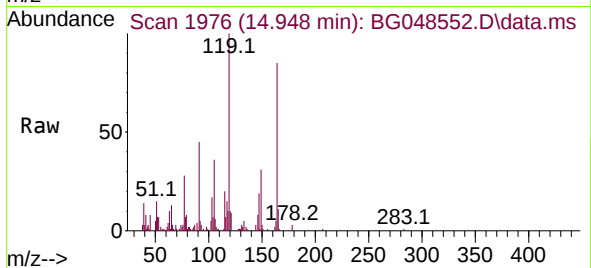
Tgt Ion:163 Resp: 12311
Ion Ratio Lower Upper
163 100
194 0.0 4.1 6.1#
164 13.2 8.6 12.8#



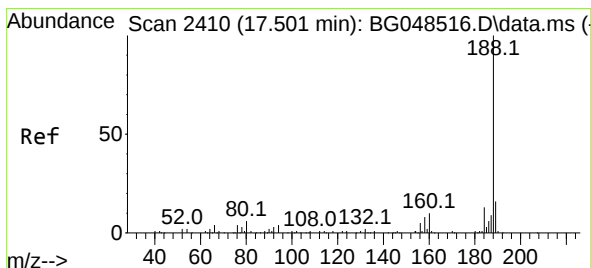
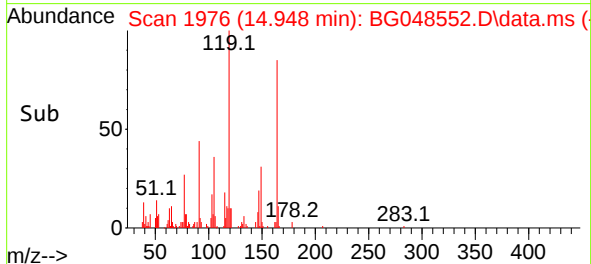
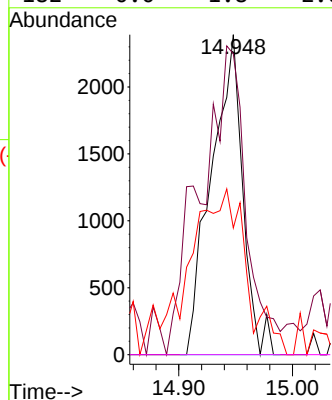


#57
2,4-Dinitrotoluene
Concen: 2.84 ng
RT: 14.948 min Scan# 1976
Delta R.T. -0.159 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

Instrument :
BNA_G
ClientSampleId :
ASR7

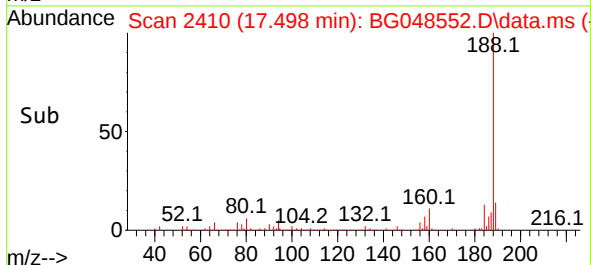
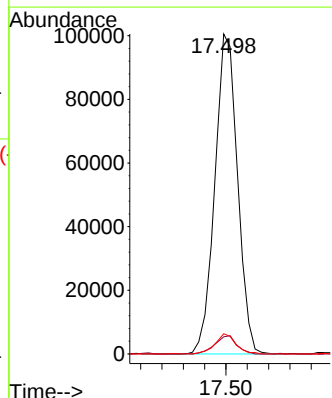
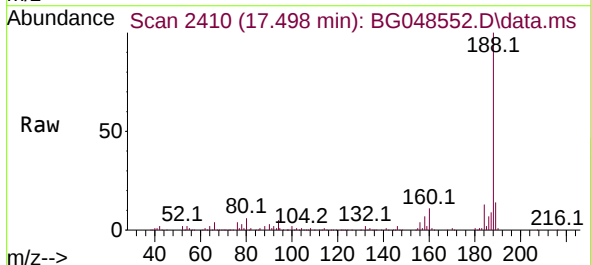


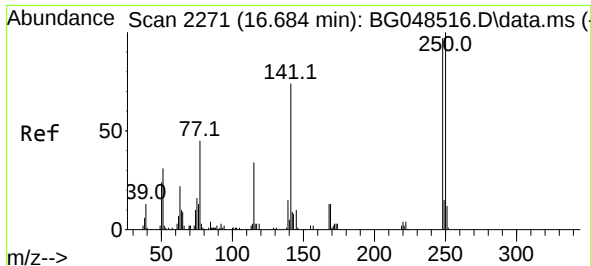
Tgt Ion:165 Resp: 4556
Ion Ratio Lower Upper
165 100
63 94.0 38.3 57.5#
89 39.6 56.5 84.7#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.498 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

Tgt Ion:188 Resp: 148442
Ion Ratio Lower Upper
188 100
94 6.0 3.0 4.6#
80 6.3 4.5 6.7

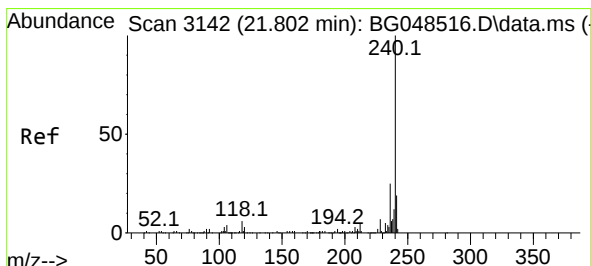
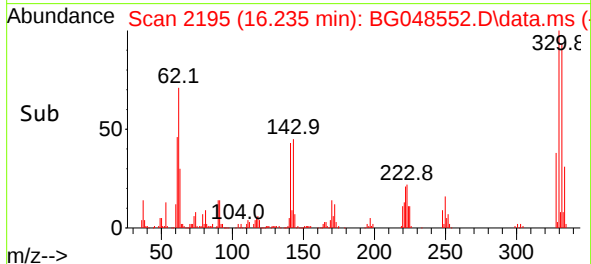
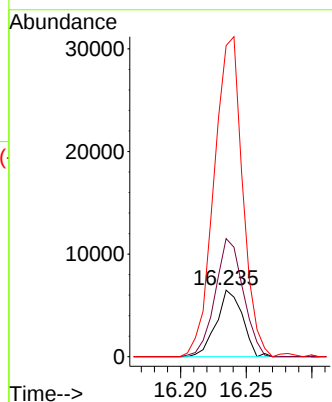
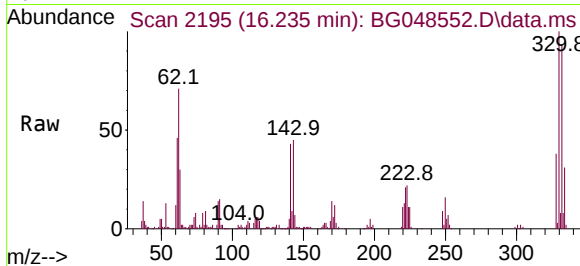




#67
4-Bromophenyl-phenylether
Concen: 5.44 ng
RT: 16.235 min Scan# 2195
Delta R.T. -0.453 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

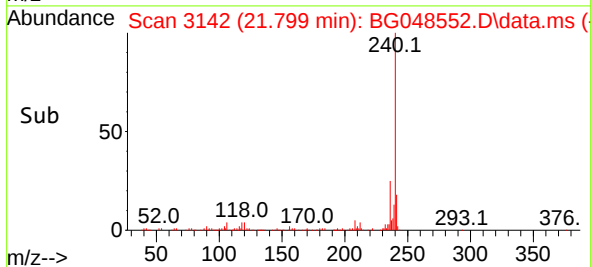
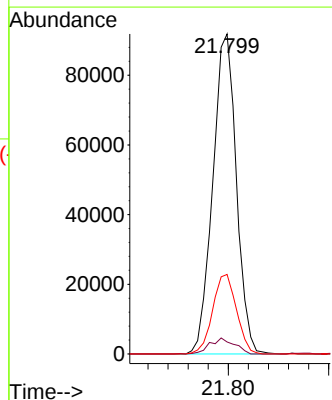
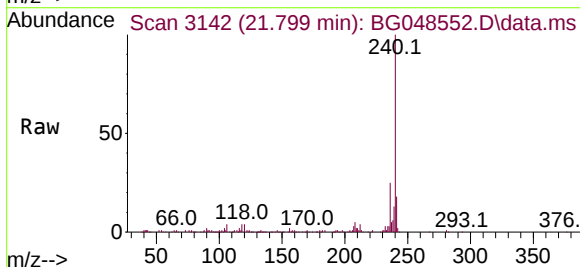
Instrument :
BNA_G
ClientSampled :
ASR7

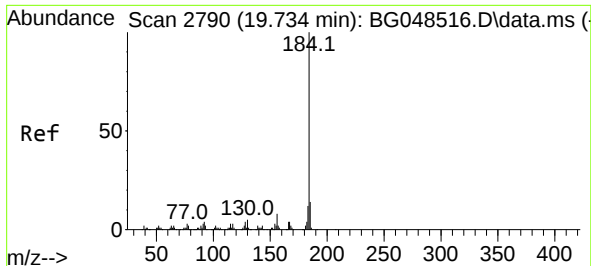
Tgt Ion:248 Resp: 8956
Ion Ratio Lower Upper
248 100
250 177.5 82.6 124.0#
141 467.6 61.0 91.6#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.799 min Scan# 3142
Delta R.T. -0.006 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

Tgt Ion:240 Resp: 149612
Ion Ratio Lower Upper
240 100
120 3.8 2.6 3.8
236 24.8 19.8 29.6

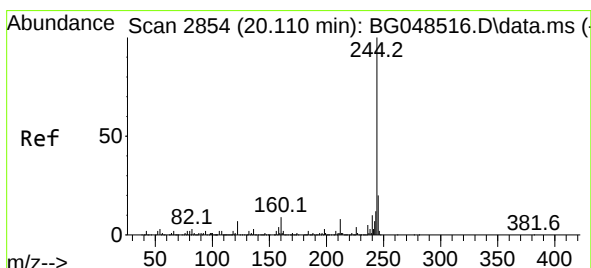
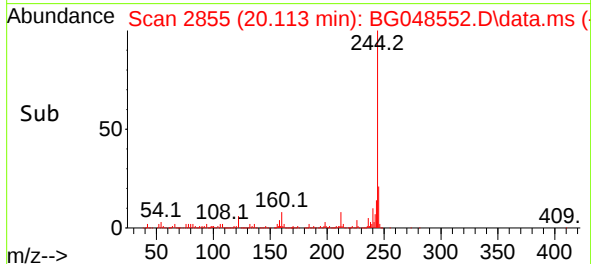
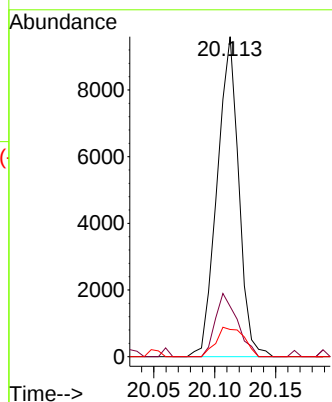
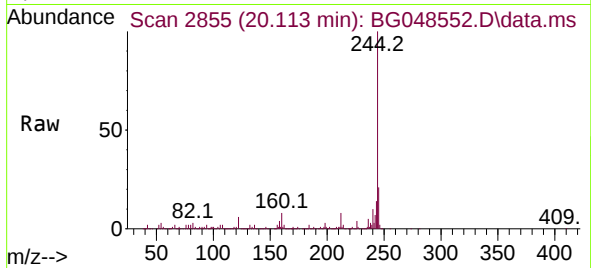




#77
Benzidine
Concen: 2.34 ng
RT: 20.113 min Scan# 2855
Delta R.T. 0.381 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

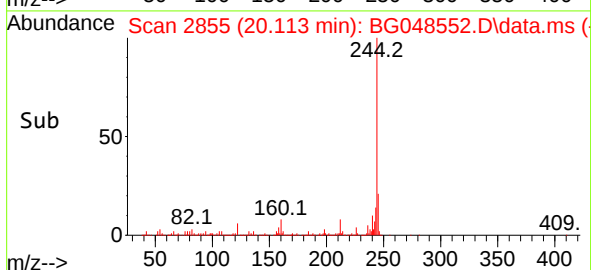
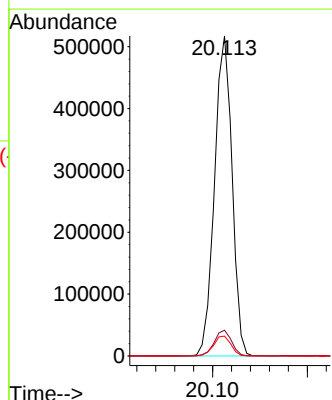
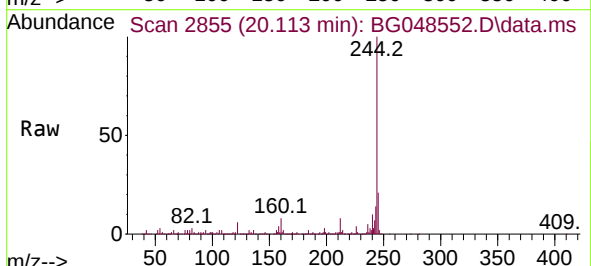
Instrument :
BNA_G
ClientSampleId :
ASR7

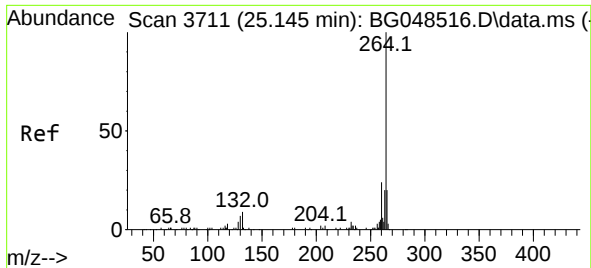
Tgt Ion:184 Resp: 11849
Ion Ratio Lower Upper
184 100
185 15.7 11.0 16.4
183 8.5 9.2 13.8#



#79
Terphenyl-d14
Concen: 81.03 ng
RT: 20.113 min Scan# 2855
Delta R.T. -0.000 min
Lab File: BG048552.D
Acq: 1 Apr 2021 20:29

Tgt Ion:244 Resp: 662875
Ion Ratio Lower Upper
244 100
212 8.0 6.0 9.0
122 6.2 5.8 8.6





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.142 min Scan# 3711
 Delta R.T. -0.006 min
 Lab File: BG048552.D
 Acq: 1 Apr 2021 20:29

Instrument :
 BNA_G
 ClientSampleId :
 ASR7

Tgt Ion:264 Resp: 156537
 Ion Ratio Lower Upper
 264 100
 260 22.3 19.1 28.7
 265 20.6 16.1 24.1

