

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040121\
 Data File : BG048557.D
 Acq On : 1 Apr 2021 23:51
 Operator : CG/JU
 Sample : M1886-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-124037

Quant Time: Apr 02 03:05:54 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)

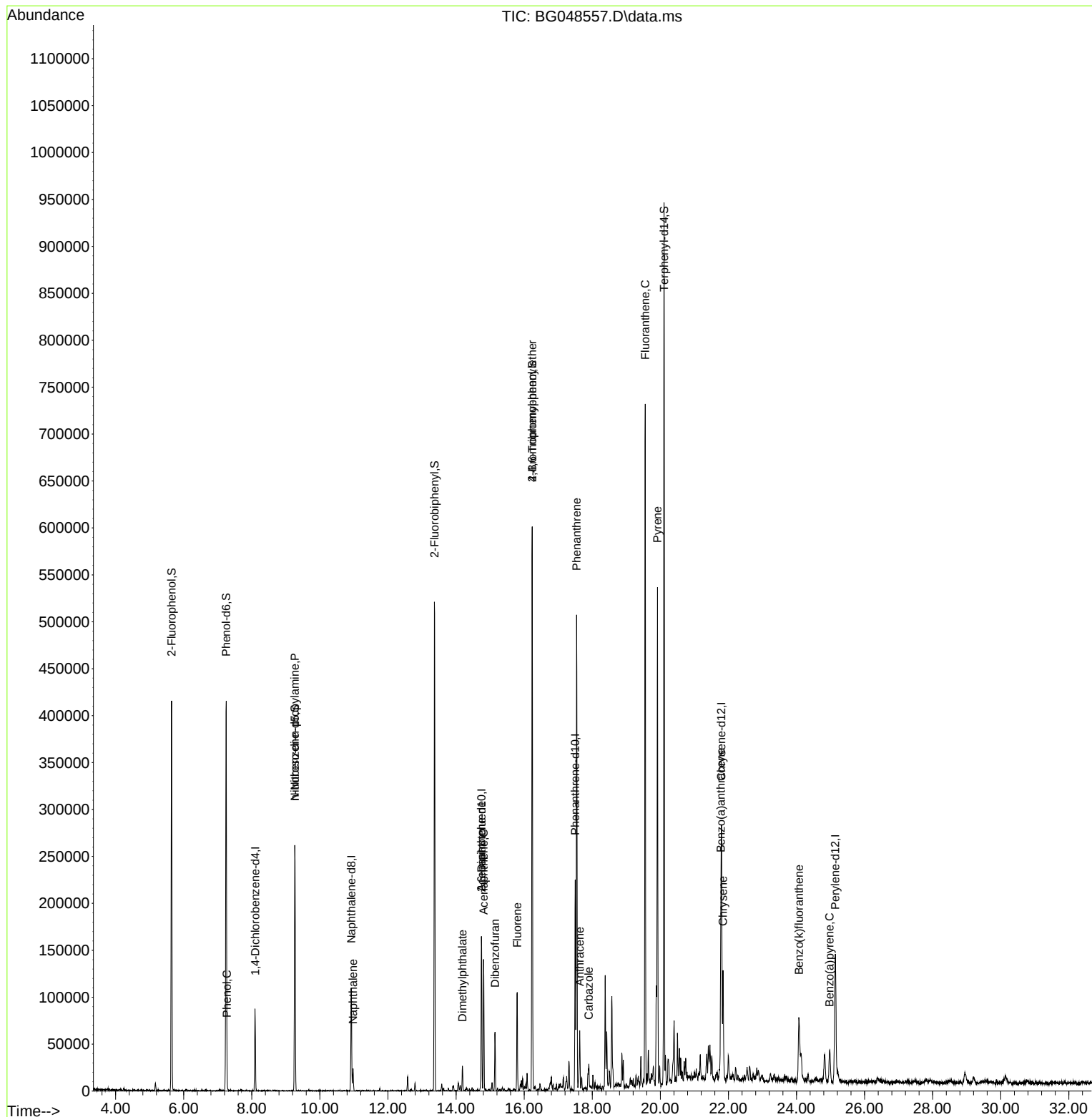
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.100	152	22302	20.00	ng	0.00
21) Naphthalene-d8	10.920	136	88901	20.00	ng	# 0.00
39) Acenaphthene-d10	14.745	164	60587	20.00	ng	0.00
64) Phenanthrene-d10	17.501	188	141598	20.00	ng	0.00
76) Chrysene-d12	21.796	240	150942	20.00	ng	# 0.00
86) Perylene-d12	25.139	264	154268	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.644	112	171936	136.11	ng	0.00
7) Phenol-d6	7.248	99	212330	115.90	ng	0.00
23) Nitrobenzene-d5	9.264	82	155425	84.64	ng	0.00
42) 2,4,6-Tribromophenol	16.238	330	100389	126.05	ng	0.00
45) 2-Fluorobiphenyl	13.365	172	268242	65.81	ng	-0.02
79) Terphenyl-d14	20.110	244	415505	50.34	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.272	94	3980	2.17	ng	# 78
19) n-Nitroso-di-n-propyla...	9.264	70	22810	18.06	ng	# 74
31) Naphthalene	10.973	128	18616	4.07	ng	98
50) Dimethylphthalate	14.187	163	16527	3.68	ng	# 93
51) 2,6-Dinitrotoluene	14.745	165	8597	8.36	ng	# 20
52) Acenaphthene	14.810	154	52400	13.70	ng	94
55) Dibenzofuran	15.145	168	36710	6.57	ng	96
58) Fluorene	15.797	166	47683	10.20	ng	95
67) 4-Bromophenyl-phenylether	16.238	248	6995	4.46	ng	# 1
71) Phenanthrene	17.542	178	317066	43.14	ng	99
72) Anthracene	17.630	178	41487	5.66	ng	96
73) Carbazole	17.901	167	14507	2.09	ng	99
75) Fluoranthene	19.557	202	459218	50.39	ng	96
78) Pyrene	19.916	202	341312	32.89	ng	99
81) Benzo(a)anthracene	21.778	228	96754	9.59	ng	98
83) Chrysene	21.843	228	93662	9.73	ng	95
89) Benzo(k)fluoranthene	24.076	252	88123	9.15	ng	98
90) Benzo(a)pyrene	24.969	252	41041	4.44	ng	97

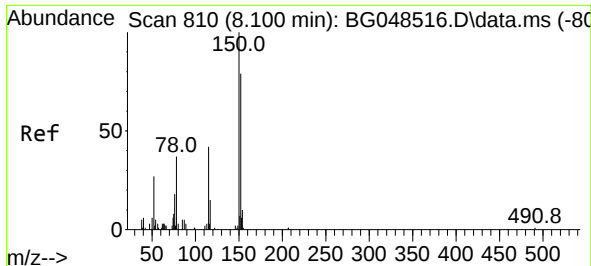
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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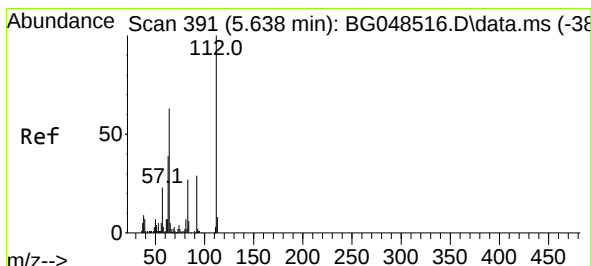
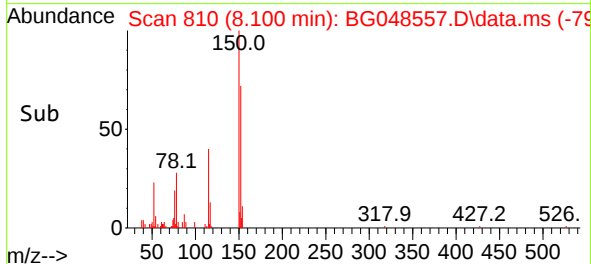
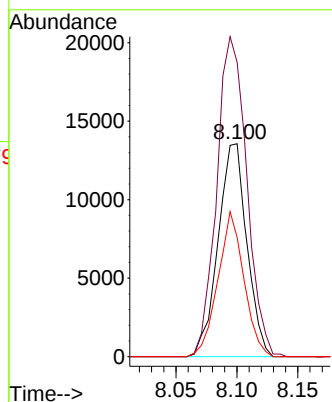
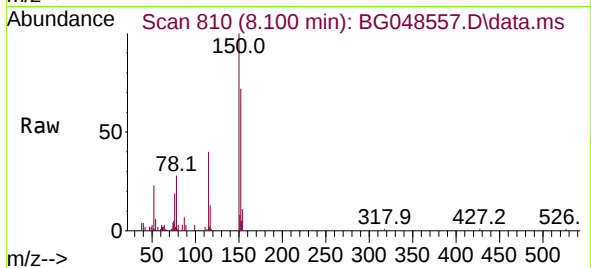




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.100 min Scan# 810
Delta R.T. -0.004 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

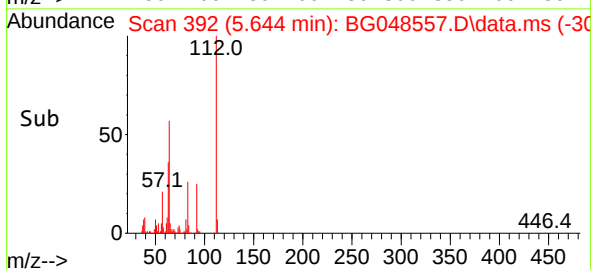
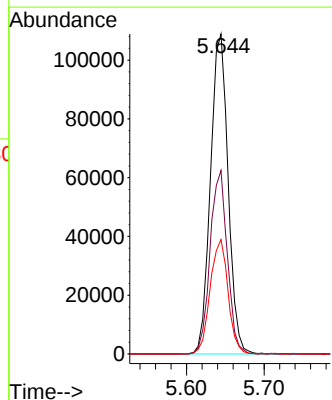
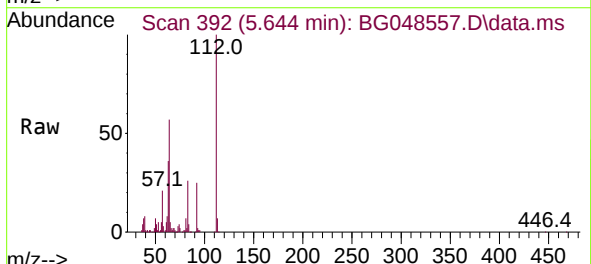
Instrument :
BNA_G
ClientSampleId :
RO-124037

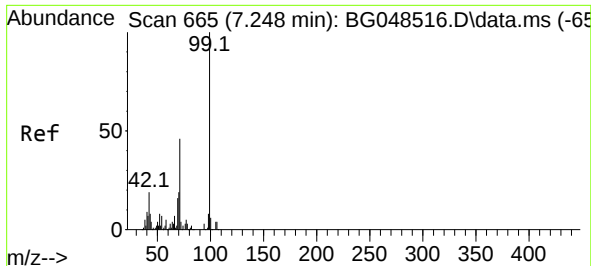
Tgt Ion:152 Resp: 22302
Ion Ratio Lower Upper
152 100
150 138.2 101.3 151.9
115 55.9 42.3 63.5



#5
2-Fluorophenol
Concen: 136.11 ng
RT: 5.644 min Scan# 392
Delta R.T. 0.003 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

Tgt Ion:112 Resp: 171936
Ion Ratio Lower Upper
112 100
64 57.4 50.4 75.6
63 35.8 31.4 47.2

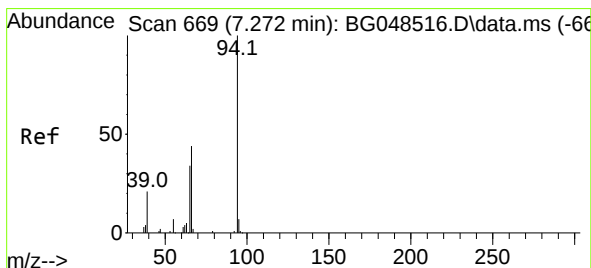
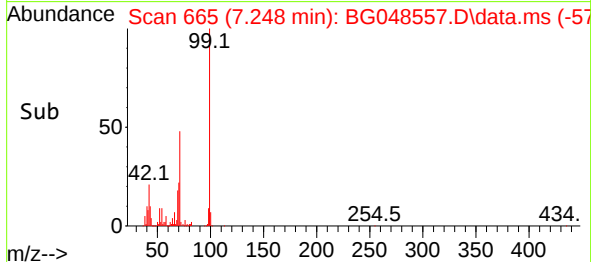
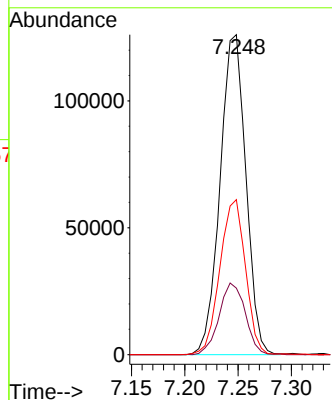
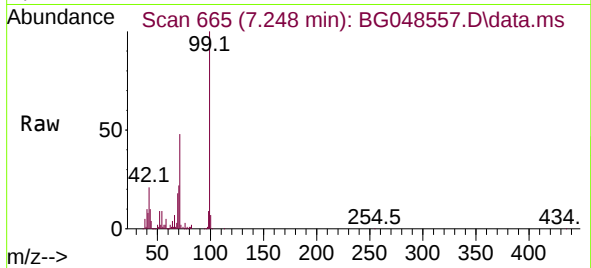




#7
Phenol-d6
Concen: 115.90 ng
RT: 7.248 min Scan# 665
Delta R.T. -0.003 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

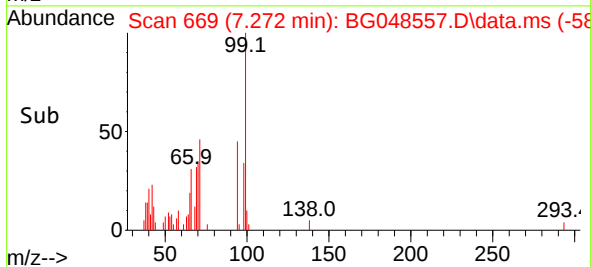
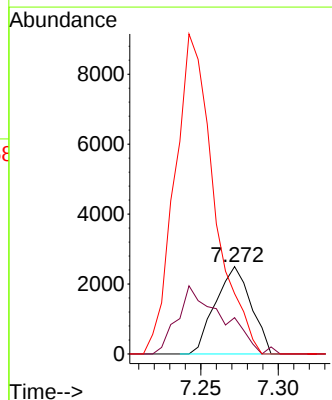
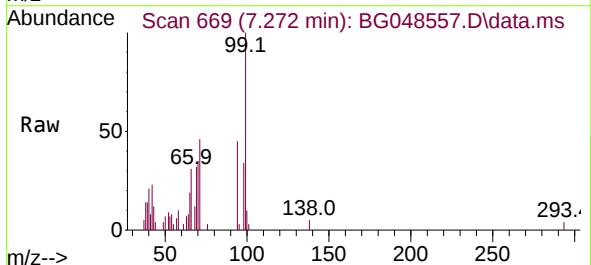
Instrument :
BNA_G
ClientSampleId :
RO-124037

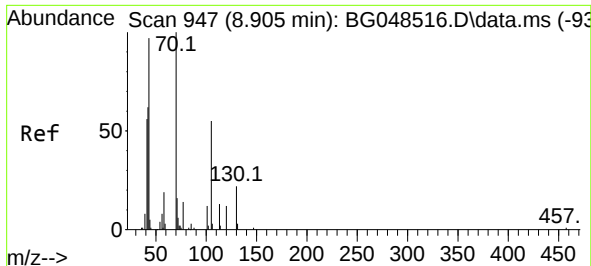
Tgt Ion: 99 Resp: 212330
Ion Ratio Lower Upper
99 100
42 20.8 15.5 23.3
71 48.5 36.6 54.8



#10
Phenol
Concen: 2.17 ng
RT: 7.272 min Scan# 669
Delta R.T. -0.009 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

Tgt Ion: 94 Resp: 3980
Ion Ratio Lower Upper
94 100
65 41.6 15.1 55.1
66 69.0 28.9 68.9#

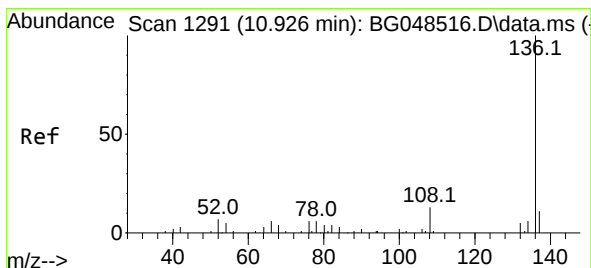
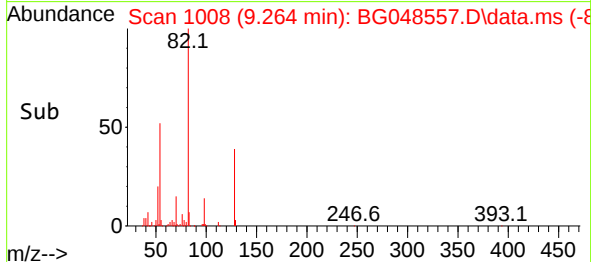
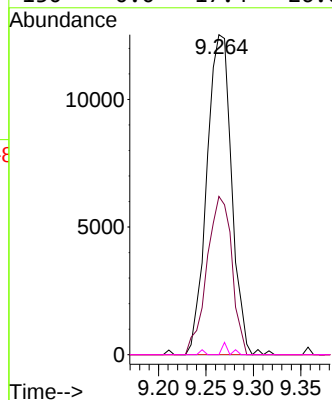
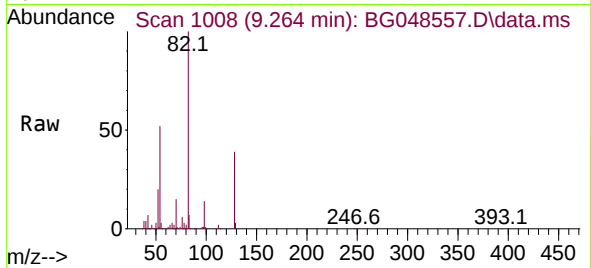




#19
n-Nitroso-di-n-propylamine
Concen: 18.06 ng
RT: 9.264 min Scan# 1008
Delta R.T. 0.355 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

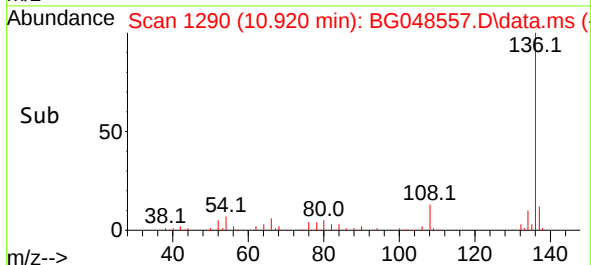
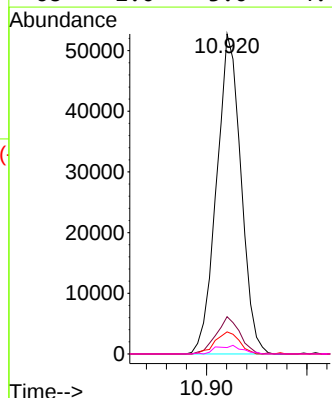
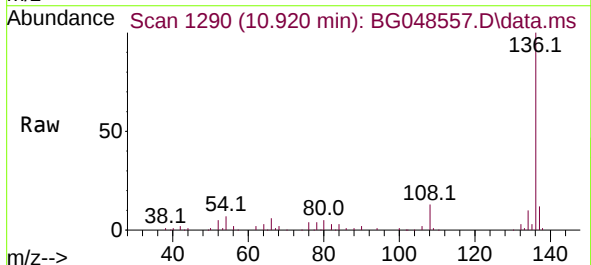
Instrument :
BNA_G
ClientSampleId :
RO-124037

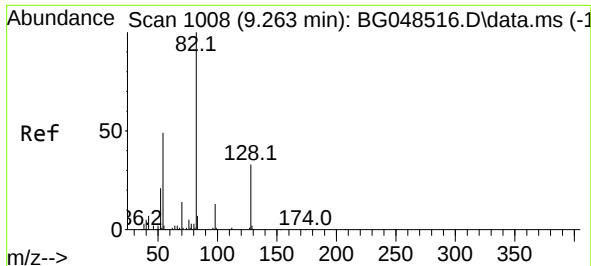
Tgt Ion: 70 Resp: 22810
Ion Ratio Lower Upper
70 100
42 49.4 50.8 76.2#
101 0.0 9.7 14.5#
130 0.0 17.4 26.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.920 min Scan# 1290
Delta R.T. -0.009 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

Tgt Ion:136 Resp: 88901
Ion Ratio Lower Upper
136 100
137 11.7 8.6 12.8
54 6.9 4.2 6.4#
68 2.0 3.0 4.4#





#23

Nitrobenzene-d5

Concen: 84.64 ng

RT: 9.264 min Scan# 1008

Delta R.T. -0.009 min

Lab File: BG048557.D

Acq: 1 Apr 2021 23:51

Tgt Ion: 82 Resp: 155425

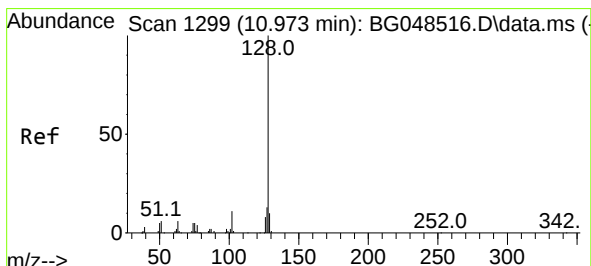
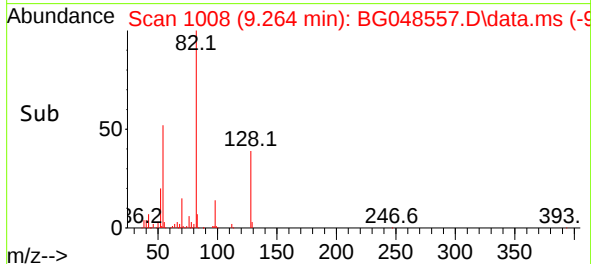
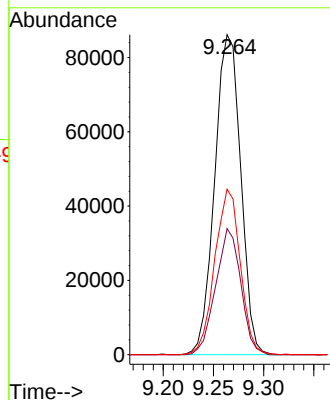
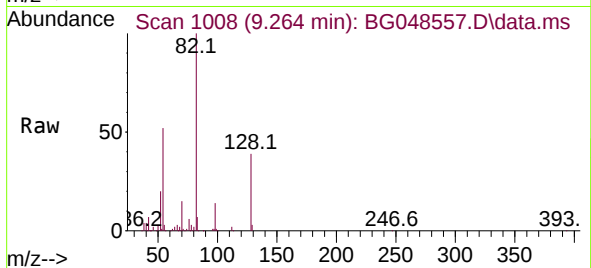
Ion	Ratio	Lower	Upper
82	100		
128	39.4	26.2	39.4#
54	51.7	38.9	58.3

Instrument :

BNA_G

ClientSampleId :

RO-124037



#31

Naphthalene

Concen: 4.07 ng

RT: 10.973 min Scan# 1299

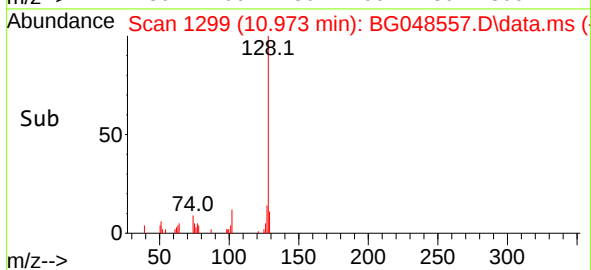
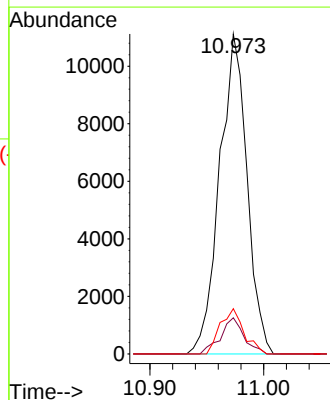
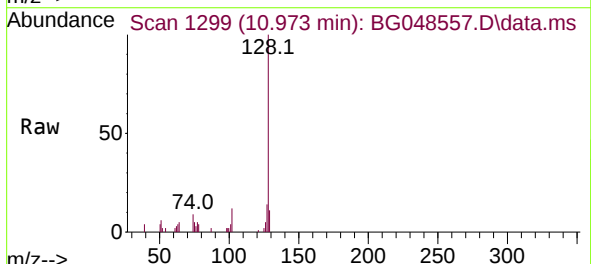
Delta R.T. -0.009 min

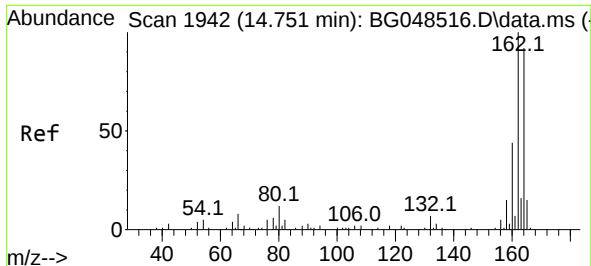
Lab File: BG048557.D

Acq: 1 Apr 2021 23:51

Tgt Ion: 128 Resp: 18616

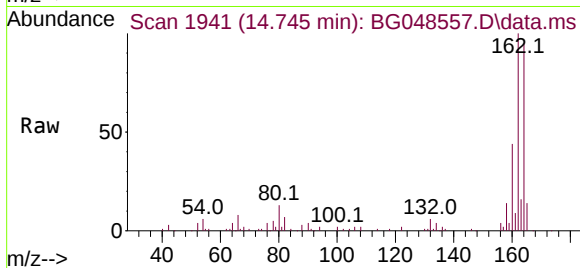
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.2	12.2
127	14.2	10.6	16.0



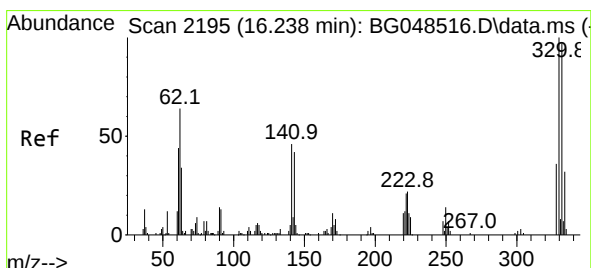
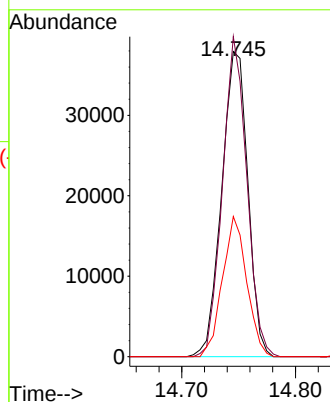
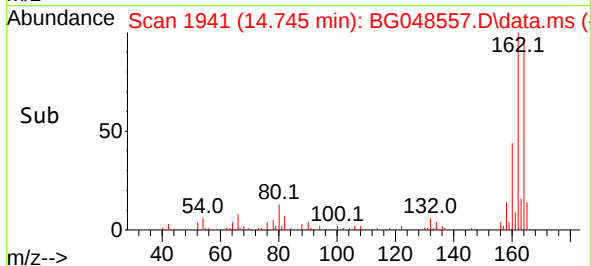


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.745 min Scan# 1941
Delta R.T. -0.009 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

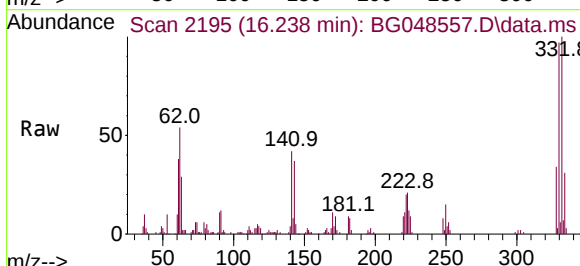
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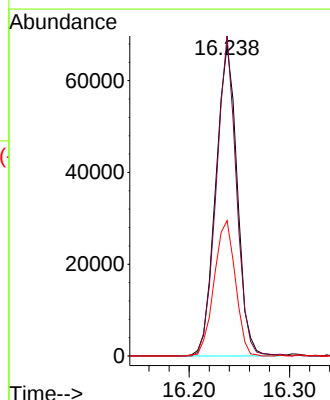
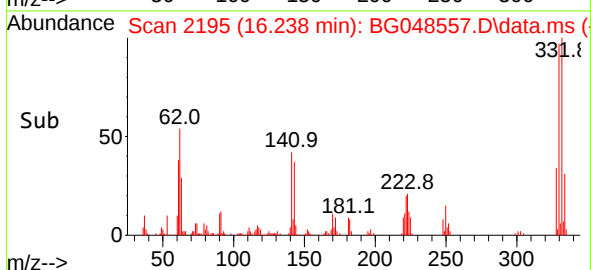
Tgt Ion:164 Resp: 60587
Ion Ratio Lower Upper
164 100
162 104.9 87.0 130.6
160 45.9 38.4 57.6

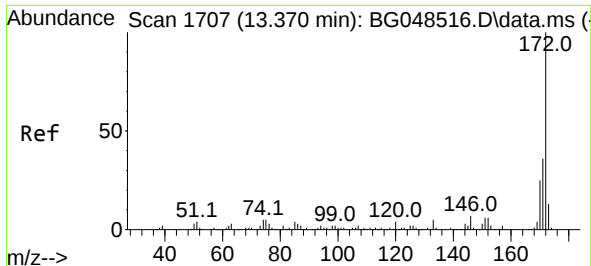


#42
2,4,6-Tribromophenol
Concen: 126.05 ng
RT: 16.238 min Scan# 2195
Delta R.T. -0.009 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51



Tgt Ion:330 Resp: 100389
Ion Ratio Lower Upper
330 100
332 96.3 77.6 116.4
141 43.1 34.6 52.0

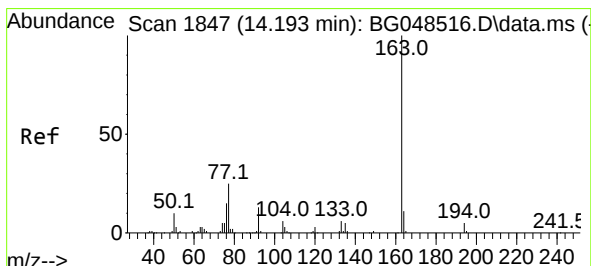
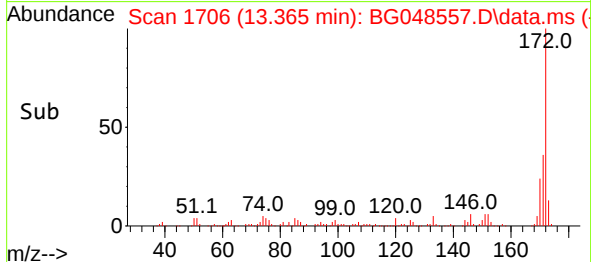
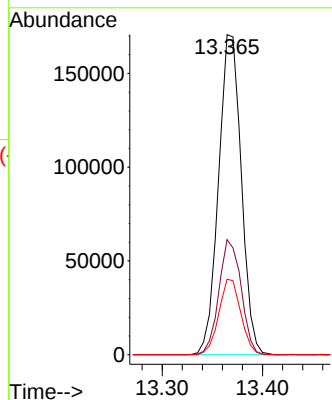
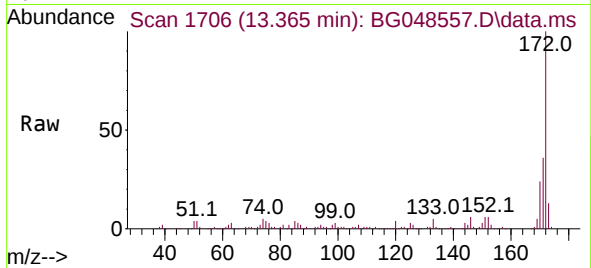




#45
2-Fluorobiphenyl
Concen: 65.81 ng
RT: 13.365 min Scan# 1706
Delta R.T. -0.015 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

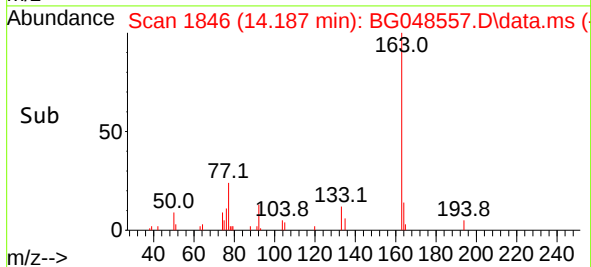
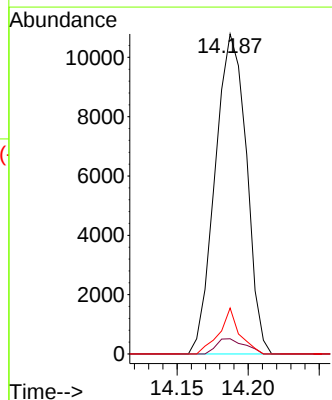
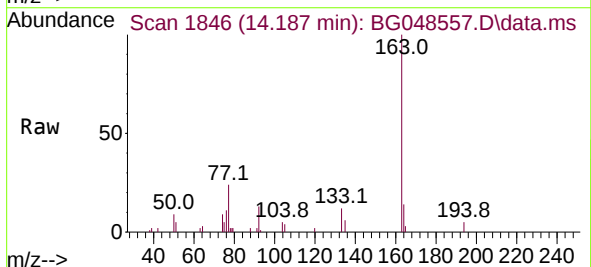
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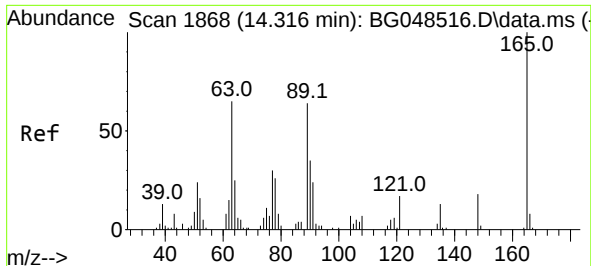
Tgt Ion:172 Resp: 268242
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 23.6 19.8 29.6



#50
Dimethylphthalate
Concen: 3.68 ng
RT: 14.187 min Scan# 1846
Delta R.T. -0.015 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

Tgt Ion:163 Resp: 16527
Ion Ratio Lower Upper
163 100
194 4.8 4.1 6.1
164 14.4 8.6 12.8#

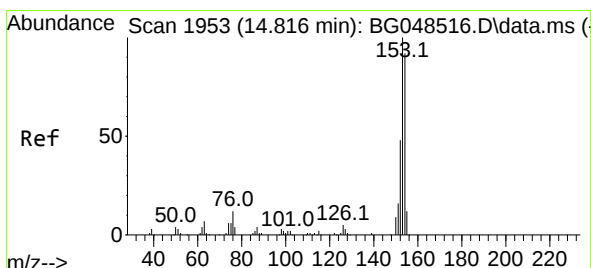
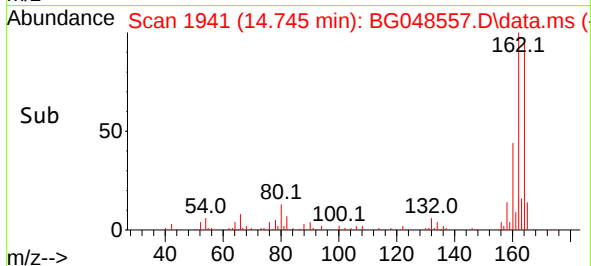
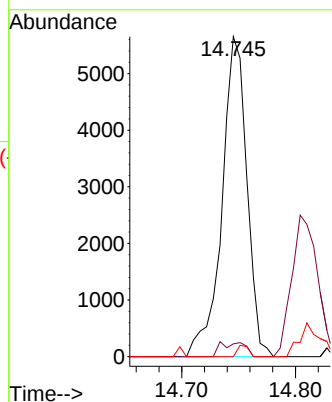
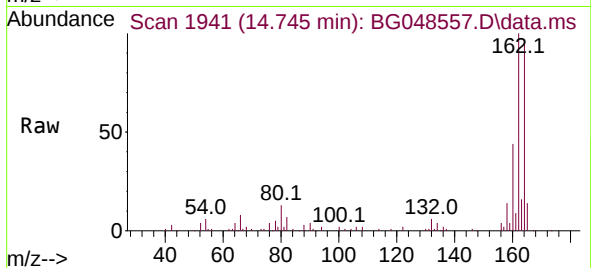




#51
2,6-Dinitrotoluene
Concen: 8.36 ng
RT: 14.745 min Scan# 1941
Delta R.T. 0.426 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

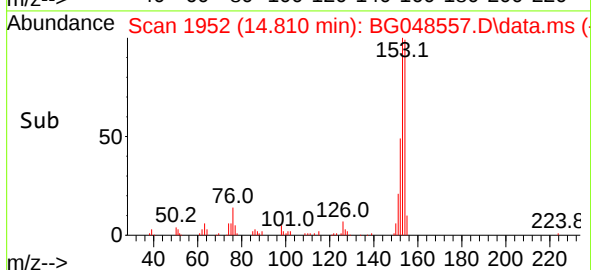
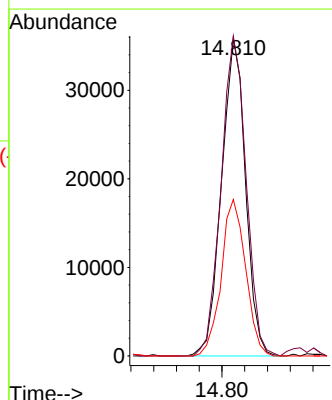
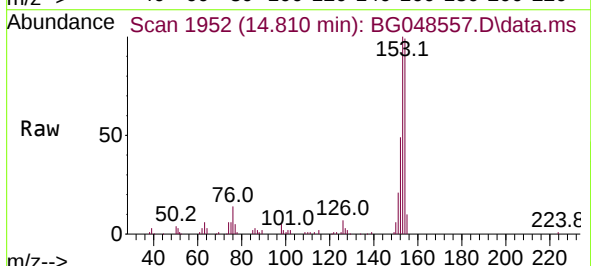
Instrument :
BNA_G
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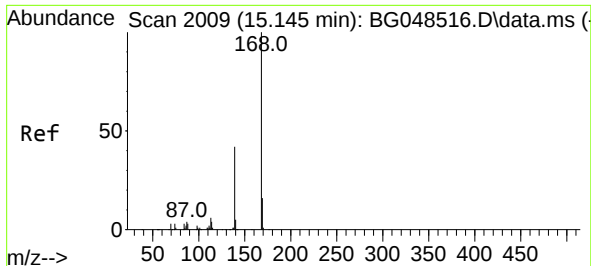
Tgt Ion:165 Resp: 8597
Ion Ratio Lower Upper
165 100
63 4.0 53.8 80.6#
89 0.0 50.8 76.2#



#52
Acenaphthene
Concen: 13.70 ng
RT: 14.810 min Scan# 1952
Delta R.T. -0.009 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

Tgt Ion:154 Resp: 52400
Ion Ratio Lower Upper
154 100
153 100.7 86.6 129.8
152 49.3 41.5 62.3

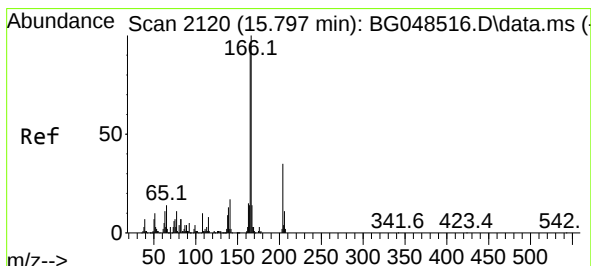
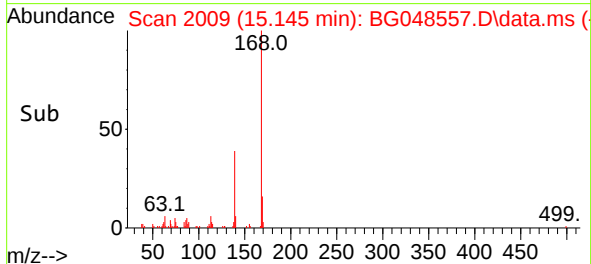
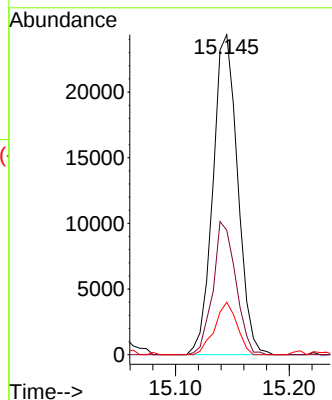
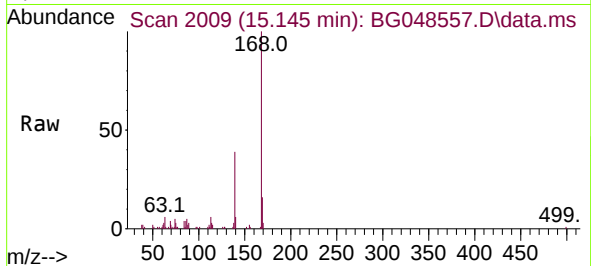




#55
Dibenzenofuran
Concen: 6.57 ng
RT: 15.145 min Scan# 2009
Delta R.T. -0.009 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

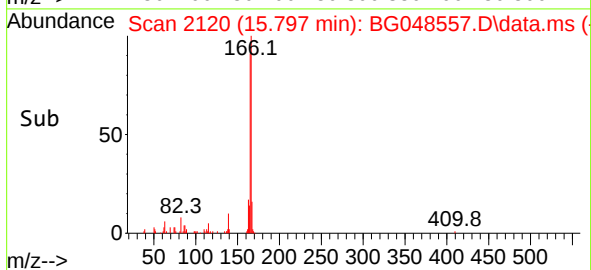
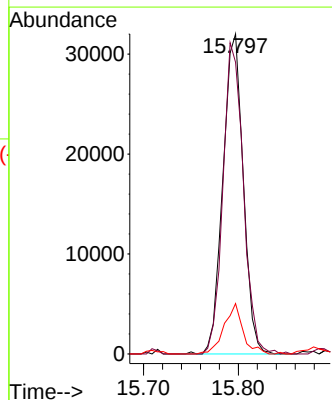
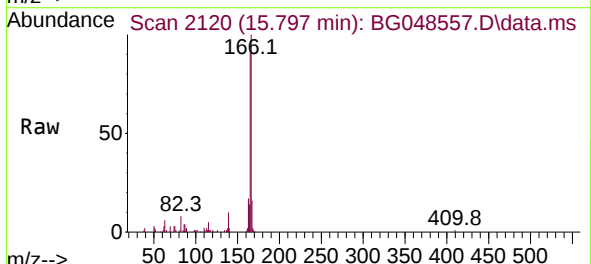
Instrument :
BNA_G
ClientSampleId :
RO-124037

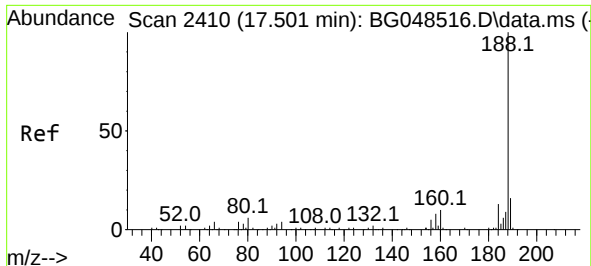
Tgt Ion:168 Resp: 36710
Ion Ratio Lower Upper
168 100
139 38.9 33.7 50.5
169 16.4 12.5 18.7



#58
Fluorene
Concen: 10.20 ng
RT: 15.797 min Scan# 2120
Delta R.T. -0.003 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

Tgt Ion:166 Resp: 47683
Ion Ratio Lower Upper
166 100
165 91.2 76.8 115.2
167 15.7 11.1 16.7

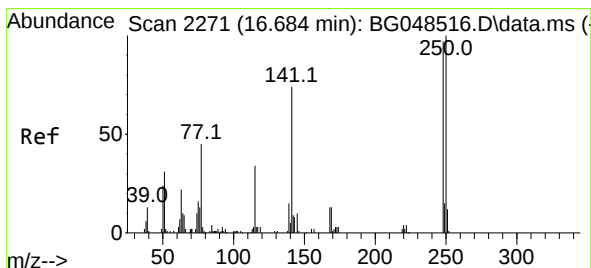
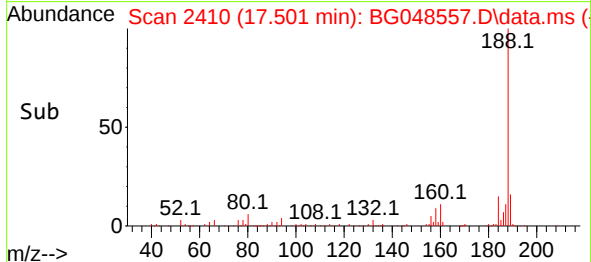
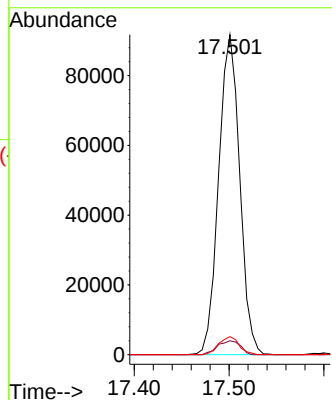
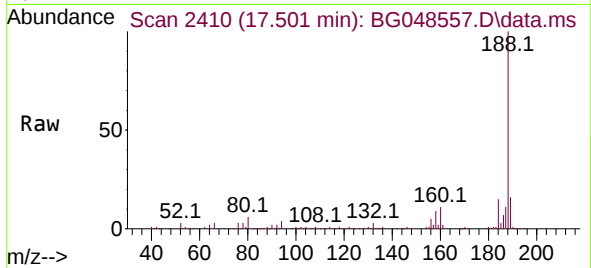




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.501 min Scan# 2410
Delta R.T. -0.003 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

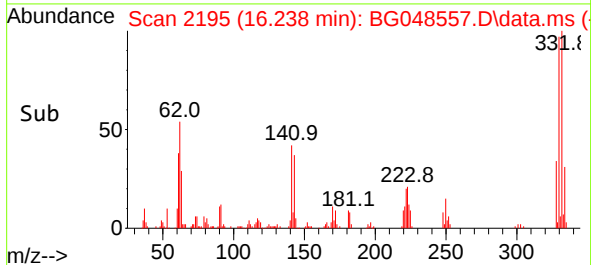
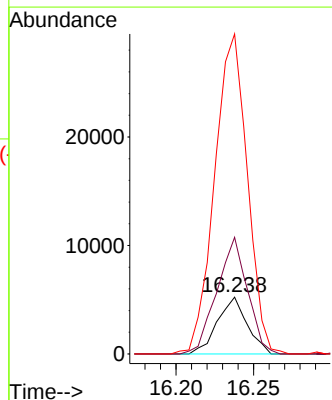
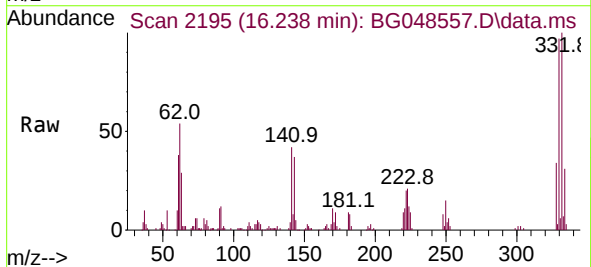
Instrument :
BNA_G
ClientSampleId :
RO-124037

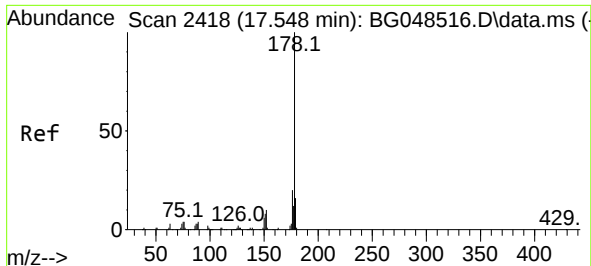
Tgt Ion:188	Resp: 141598
Ion Ratio	Lower Upper
188 100	
94 4.4	3.0 4.6
80 5.7	4.5 6.7



#67
4-Bromophenyl-phenylether
Concen: 4.46 ng
RT: 16.238 min Scan# 2195
Delta R.T. -0.450 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

Tgt Ion:248	Resp: 6995
Ion Ratio	Lower Upper
248 100	
250 205.5	82.6 124.0#
141 563.7	61.0 91.6#

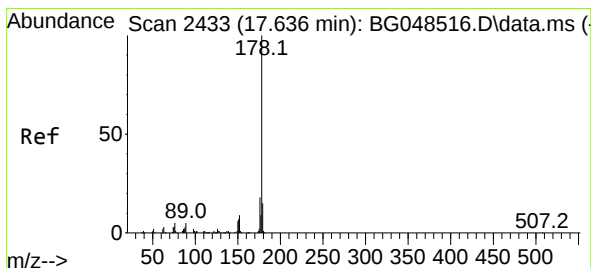
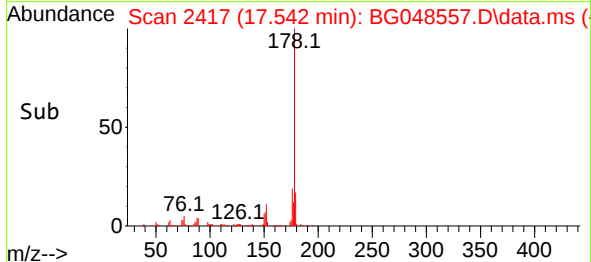
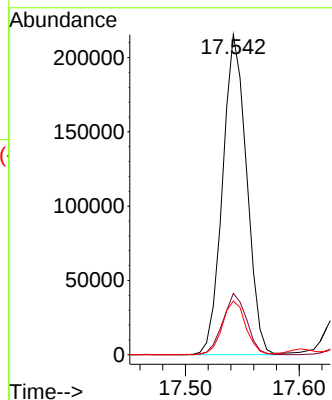
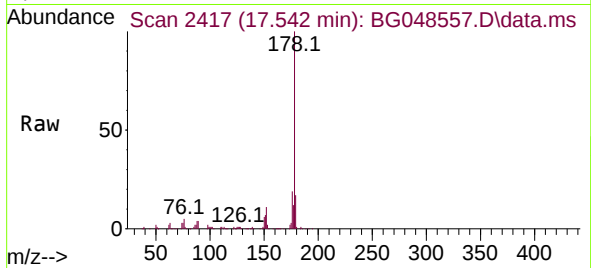




#71
Phenanthrene
Concen: 43.14 ng
RT: 17.542 min Scan# 2417
Delta R.T. -0.009 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

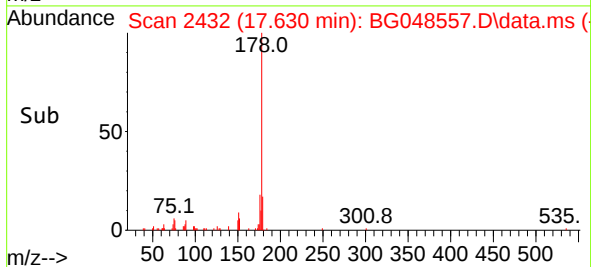
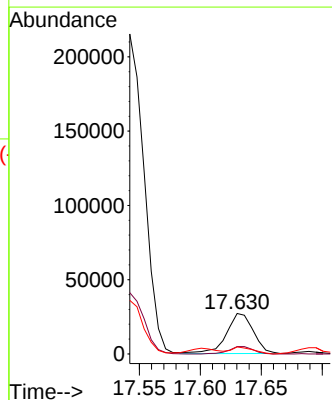
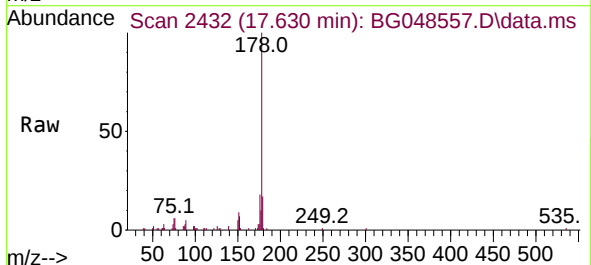
Instrument :
BNA_G
ClientSampleId :
RO-124037

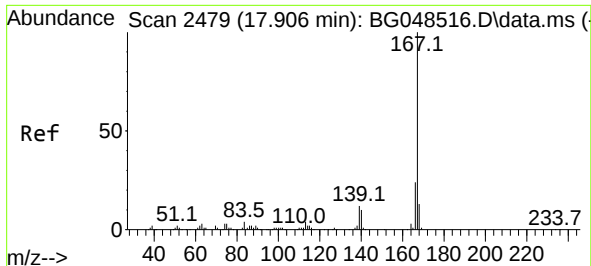
Tgt Ion:178 Resp: 317066
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 16.8 12.9 19.3



#72
Anthracene
Concen: 5.66 ng
RT: 17.630 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

Tgt Ion:178 Resp: 41487
Ion Ratio Lower Upper
178 100
176 18.3 14.1 21.1
179 17.4 11.9 17.9

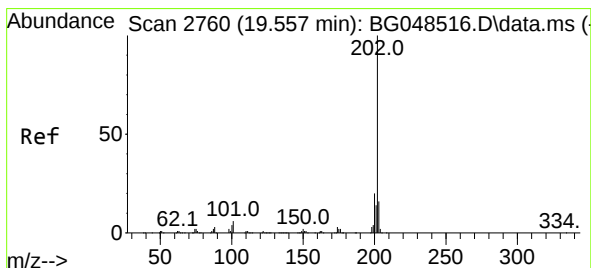
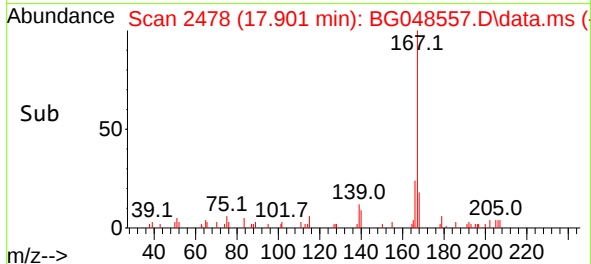
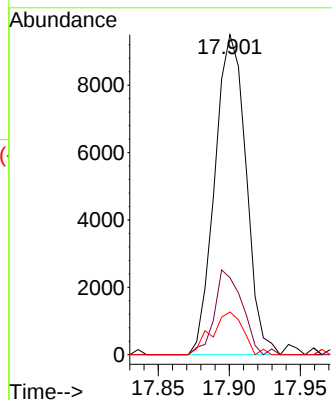
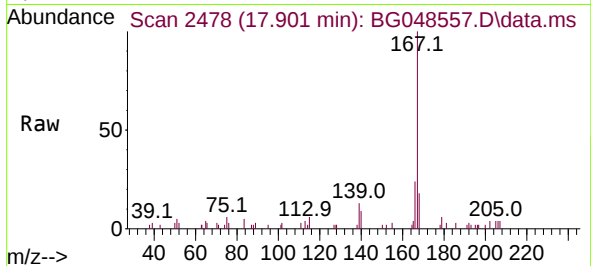




#73
 Carbazole
 Concen: 2.09 ng
 RT: 17.901 min Scan# 2478
 Delta R.T. -0.009 min
 Lab File: BG048557.D
 Acq: 1 Apr 2021 23:51

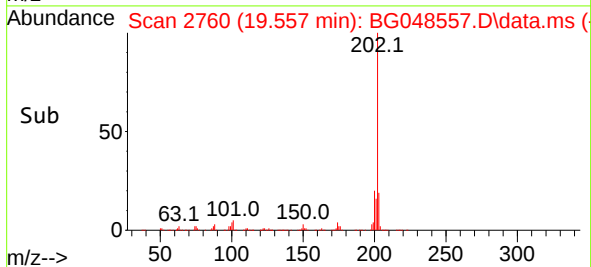
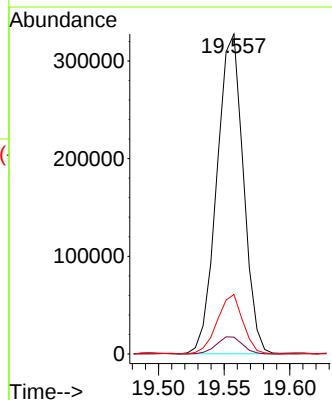
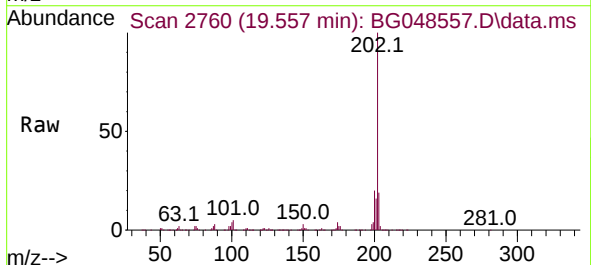
Instrument :
 BNA_G
 ClientSampleID :
 RO-124037

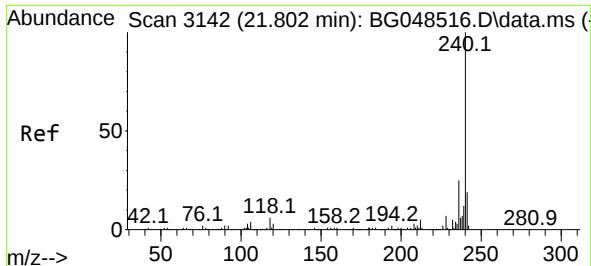
Tgt Ion:167	Resp:	14507
Ion Ratio	Lower	Upper
167	100	
166	24.0	19.0 28.6
139	13.4	10.0 15.0



#75
 Fluoranthene
 Concen: 50.39 ng
 RT: 19.557 min Scan# 2760
 Delta R.T. -0.003 min
 Lab File: BG048557.D
 Acq: 1 Apr 2021 23:51

Tgt Ion:202	Resp:	459218
Ion Ratio	Lower	Upper
202	100	
101	5.3	0.0 25.8
203	18.6	0.0 36.4

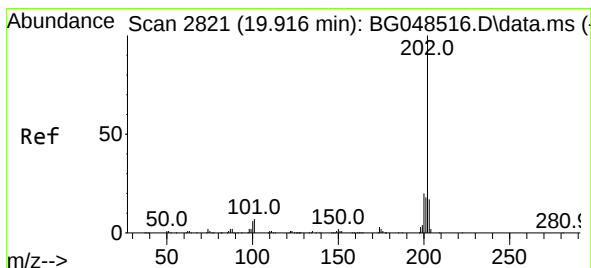
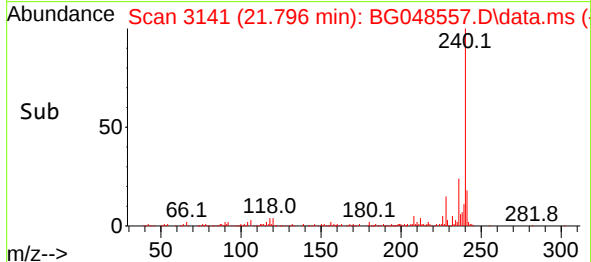
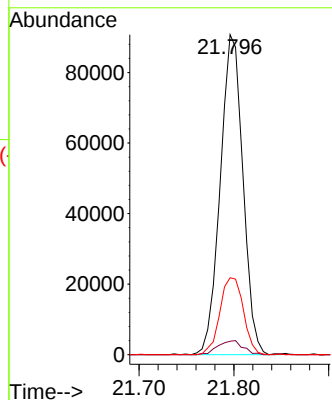
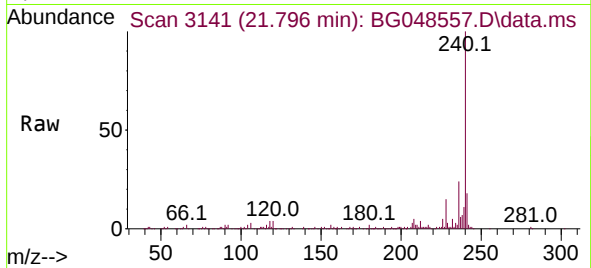




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.796 min Scan# 3141
Delta R.T. -0.009 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

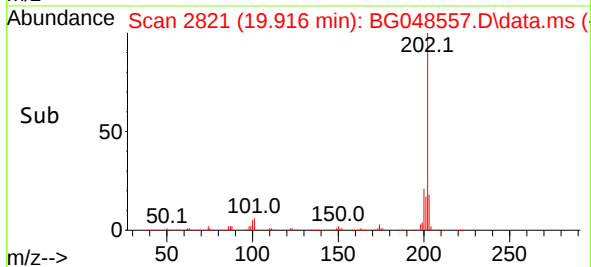
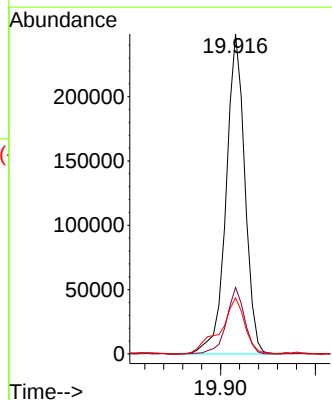
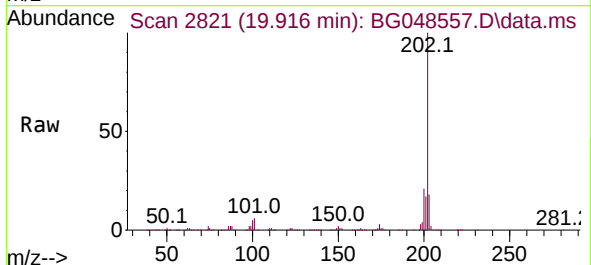
Instrument :
BNA_G
ClientSampleId :
RO-124037

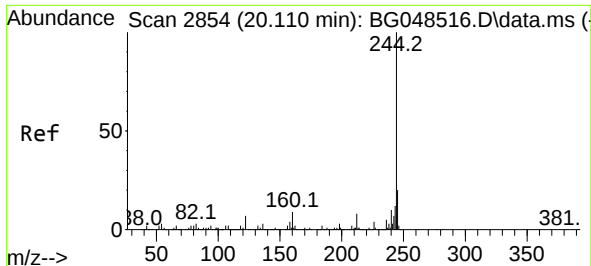
Tgt Ion:240 Resp: 150942
Ion Ratio Lower Upper
240 100
120 4.2 2.6 3.8#
236 24.0 19.8 29.6



#78
Pyrene
Concen: 32.89 ng
RT: 19.916 min Scan# 2821
Delta R.T. -0.003 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

Tgt Ion:202 Resp: 341312
Ion Ratio Lower Upper
202 100
200 20.8 16.1 24.1
203 17.5 13.6 20.4

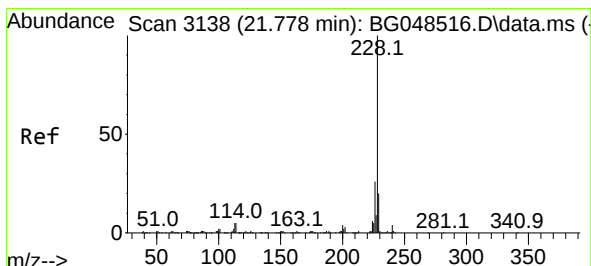
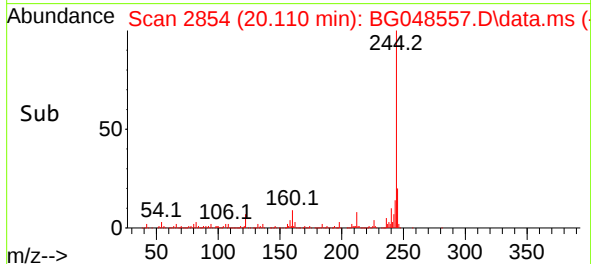
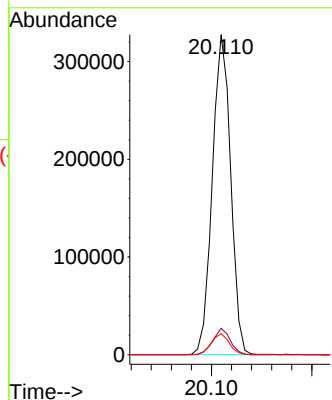
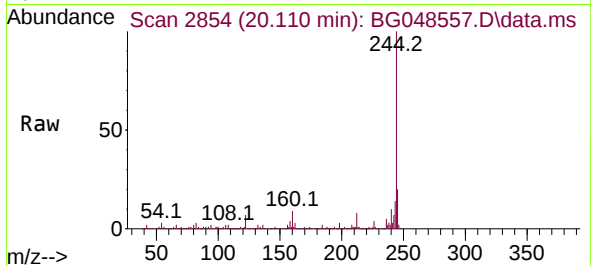




#79
Terphenyl-d14
Concen: 50.34 ng
RT: 20.110 min Scan# 2854
Delta R.T. -0.003 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

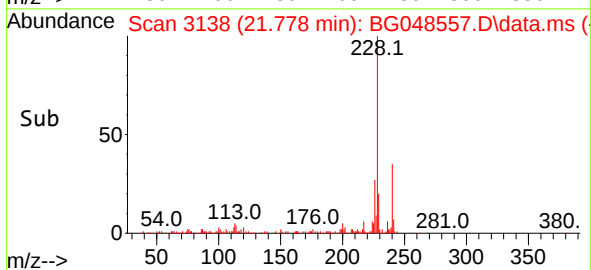
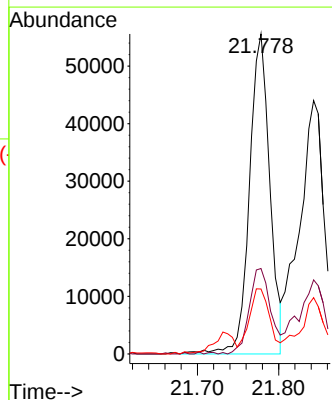
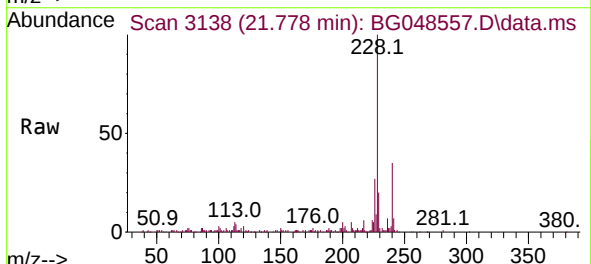
Instrument :
BNA_G
ClientSampleId :
RO-124037

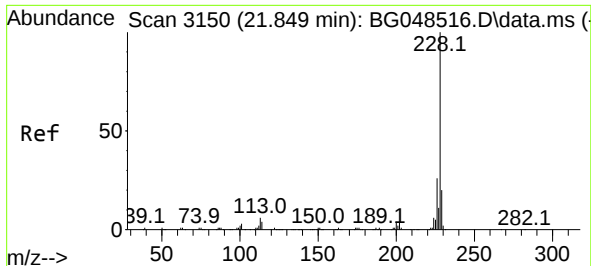
Tgt Ion:244 Resp: 415505
Ion Ratio Lower Upper
244 100
212 8.2 6.0 9.0
122 6.6 5.8 8.6



#81
Benzo(a)anthracene
Concen: 9.59 ng
RT: 21.778 min Scan# 3138
Delta R.T. -0.003 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

Tgt Ion:228 Resp: 96754
Ion Ratio Lower Upper
228 100
226 26.7 20.6 30.8
229 20.3 15.8 23.8

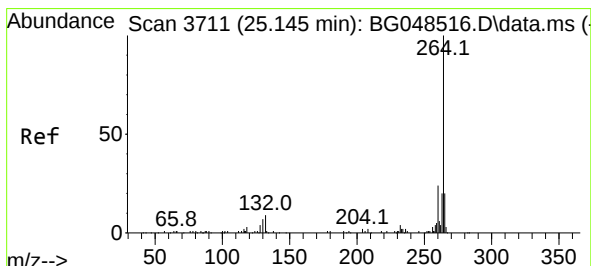
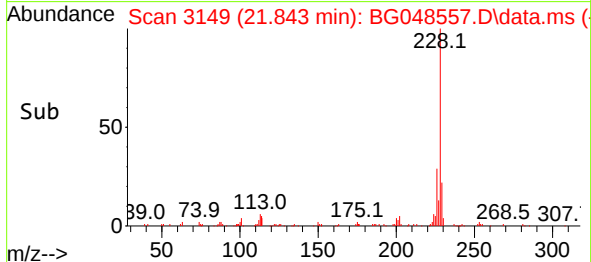
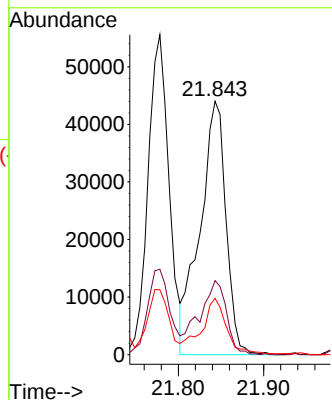
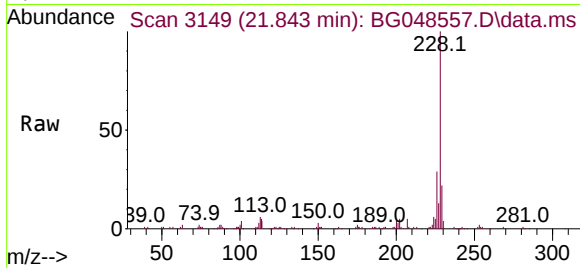




#83
Chrysene
Concen: 9.73 ng
RT: 21.843 min Scan# 3149
Delta R.T. -0.009 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

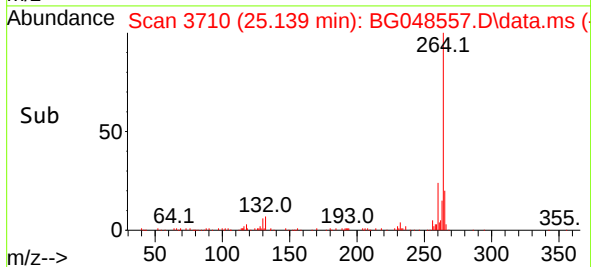
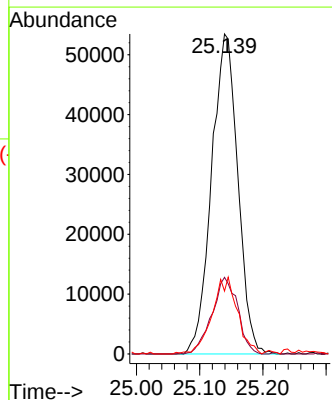
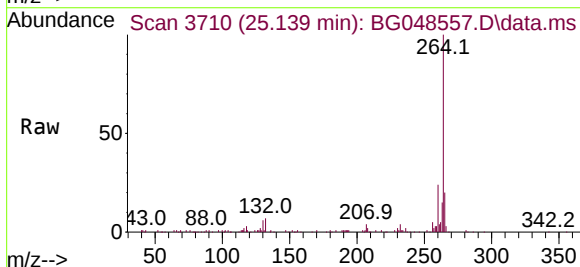
Instrument :
BNA_G
ClientSampleId :
RO-124037

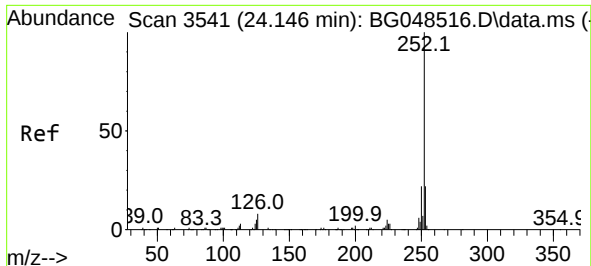
Tgt Ion:228	Resp:	93662
Ion Ratio	Lower	Upper
228	100	
226	29.2	20.6 31.0
229	22.2	16.3 24.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.139 min Scan# 3710
Delta R.T. -0.009 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

Tgt Ion:264	Resp:	154268
Ion Ratio	Lower	Upper
264	100	
260	23.9	19.1 28.7
265	19.7	16.1 24.1

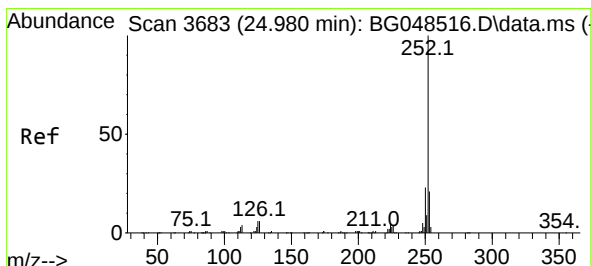
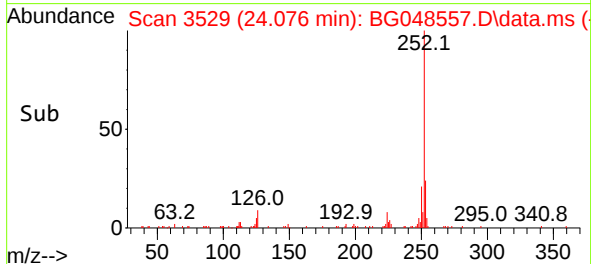
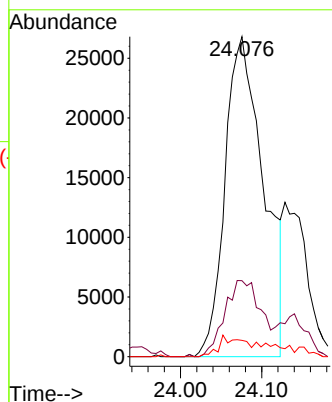
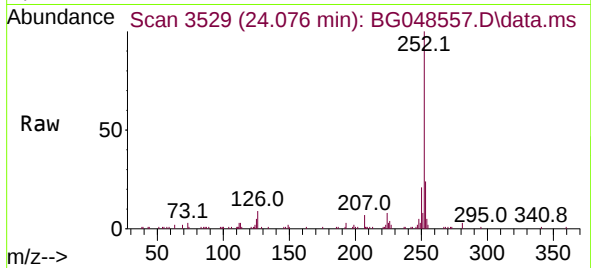




#89
Benzo(k)fluoranthene
Concen: 9.15 ng
RT: 24.076 min Scan# 3529
Delta R.T. -0.080 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

Instrument :
BNA_G
ClientSampleId :
RO-124037

Tgt Ion:252 Resp: 88123
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 5.1 3.9 5.9



#90
Benzo(a)pyrene
Concen: 4.44 ng
RT: 24.969 min Scan# 3681
Delta R.T. -0.021 min
Lab File: BG048557.D
Acq: 1 Apr 2021 23:51

Tgt Ion:252 Resp: 41041
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 6.4 4.4 6.6

