

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060322\
 Data File : BG053809.D
 Acq On : 3 Jun 2022 12:21
 Operator : CG/JU
 Sample : N3138-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-3-053122

Quant Time: Jun 03 13:29:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 23:22:27 2022
 Response via : Initial Calibration

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

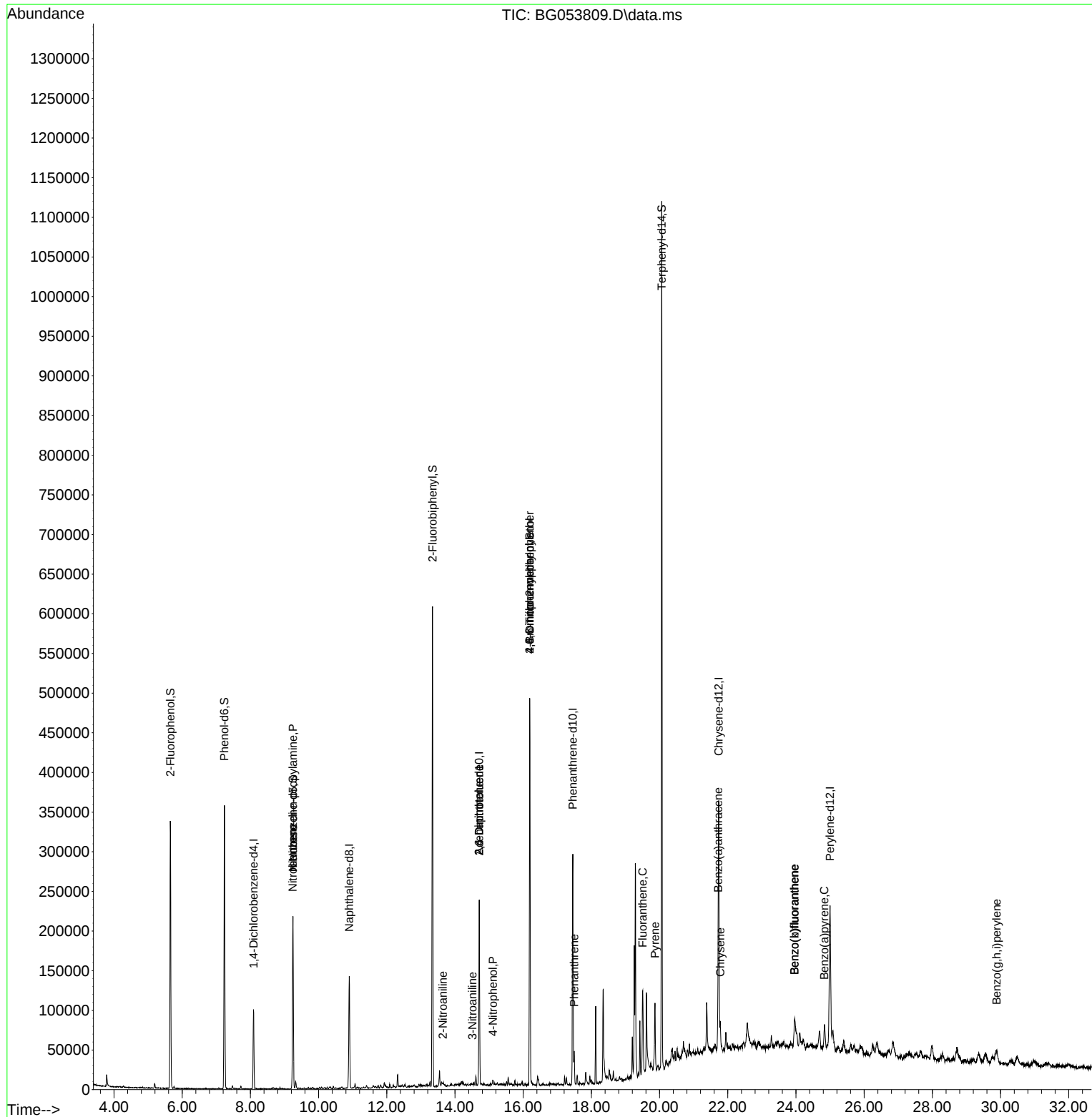
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.095	152	30712	20.000	ng	0.00
21) Naphthalene-d8	10.898	136	123525	20.000	ng	0.00
39) Acenaphthene-d10	14.711	164	86845	20.000	ng	0.00
64) Phenanthrene-d10	17.455	188	197779	20.000	ng	0.00
76) Chrysene-d12	21.732	240	199121	20.000	ng	0.00
86) Perylene-d12	24.999	264	202997	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.651	112	155791	93.152	ng	0.00
7) Phenol-d6	7.238	99	210099	92.738	ng	0.00
23) Nitrobenzene-d5	9.247	82	135103	71.823	ng	0.00
42) 2,4,6-Tribromophenol	16.192	330	104066	98.718	ng	0.00
45) 2-Fluorobiphenyl	13.342	172	351991	60.635	ng	0.00
79) Terphenyl-d14	20.064	244	589030	58.850	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.247	70	19053	11.874	ng	# 83
24) Nitrobenzene	9.241	77	349	3.128	ng	# 48
48) 2-Nitroaniline	13.642	65	54	5.080	ng	# 10
51) 2,6-Dinitrotoluene	14.711	165	12308	13.918	ng	# 16
53) 3-Nitroaniline	14.511	138	57	3.828	ng	# 1
56) 4-Nitrophenol	15.111	139	678	5.247	ng	# 19
57) 2,4-Dinitrotoluene	14.711	165	12308	11.589	ng	# 21
65) 4,6-Dinitro-2-methylph...	16.192	198	219	5.858	ng	# 76
67) 4-Bromophenyl-phenylether	16.192	248	6721	3.128	ng	# 1
71) Phenanthrene	17.496	178	29078	2.793	ng	99
75) Fluoranthene	19.500	202	56099	4.155	ng	98
78) Pyrene	19.864	202	52932	4.180	ng	99
81) Benzo(a)anthracene	21.715	228	29491	2.231	ng	96
83) Chrysene	21.779	228	26991	2.163	ng	95
88) Benzo(b)fluoranthene	23.959	252	45447	3.606	ng	# 90
89) Benzo(k)fluoranthene	23.959	252	45447	3.648	ng	# 91
90) Benzo(a)pyrene	24.835	252	35613	3.341	ng	# 97
92) Benzo(g,h,i)perylene	29.882	276	31600	2.593	ng	# 94

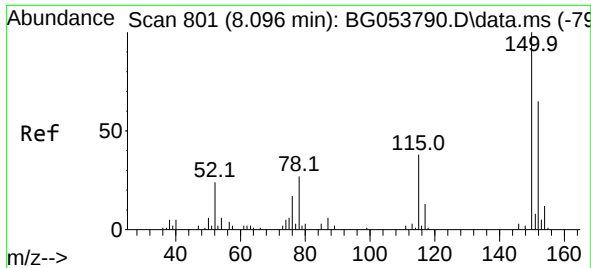
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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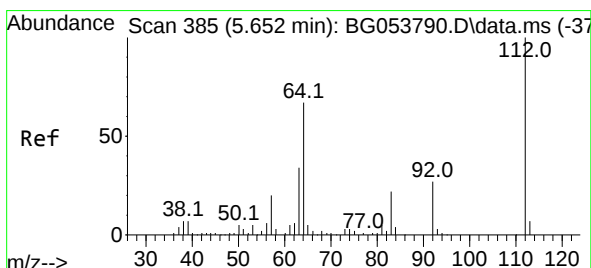
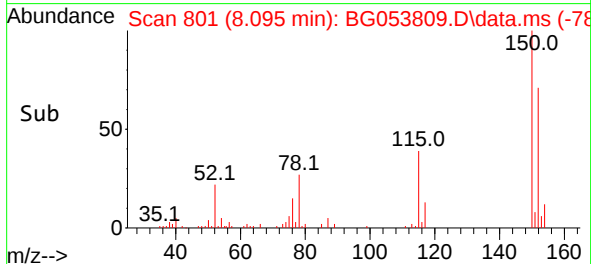
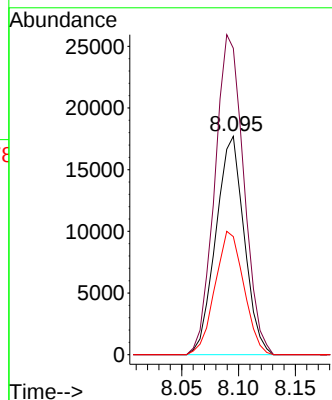
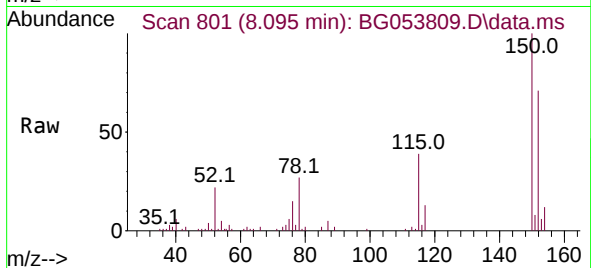




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.095 min Scan# 801
Delta R.T. -0.001 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

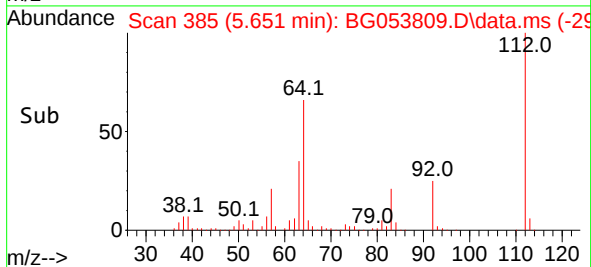
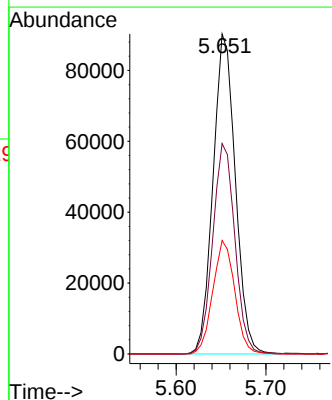
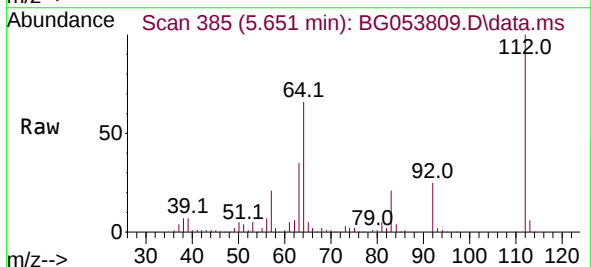
Instrument :
BNA_G
ClientSampleId :
OR-3-053122

Tgt Ion:152 Resp: 30712
Ion Ratio Lower Upper
152 100
150 140.2 131.6 197.4
115 54.1 50.9 76.3



#5
2-Fluorophenol
Concen: 93.152 ng
RT: 5.651 min Scan# 385
Delta R.T. -0.001 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

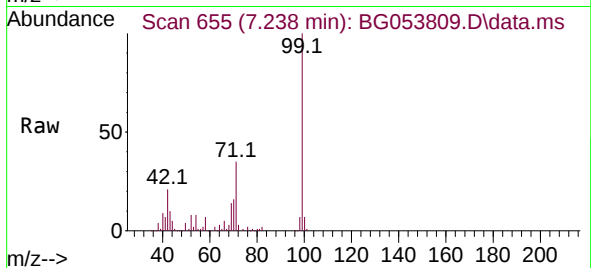
Tgt Ion:112 Resp: 155791
Ion Ratio Lower Upper
112 100
64 65.8 55.1 82.7
63 35.4 30.4 45.6





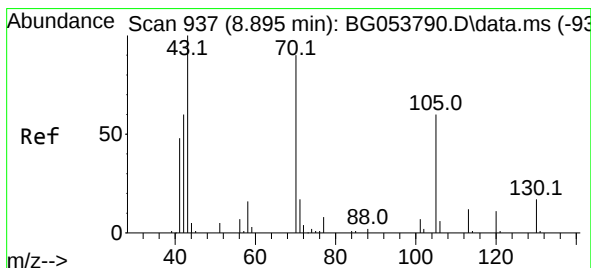
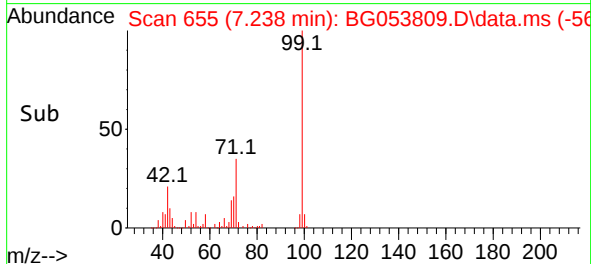
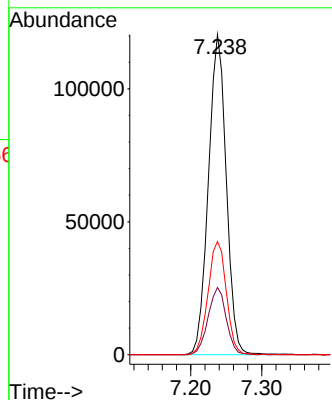
#7
Phenol-d6
Concen: 92.738 ng
RT: 7.238 min Scan# 611
Delta R.T. -0.000 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

Instrument :
BNA_G
ClientSampleId :
OR-3-053122



Tgt Ion: 99 Resp: 210099

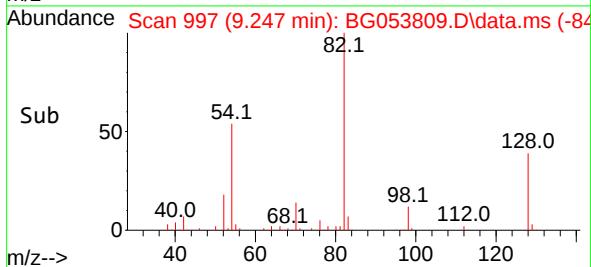
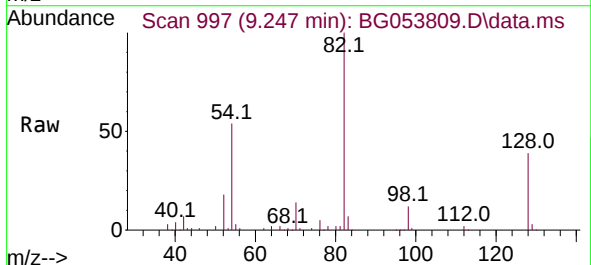
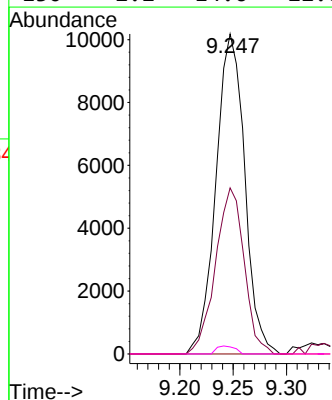
Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.0	25.6
71	35.3	33.8	50.8

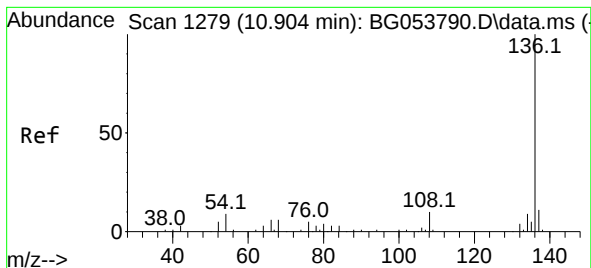


#19
n-Nitroso-di-n-propylamine
Concen: 11.874 ng
RT: 9.247 min Scan# 997
Delta R.T. 0.352 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

Tgt Ion: 70 Resp: 19053

Ion	Ratio	Lower	Upper
70	100		
42	51.9	47.3	70.9
101	0.0	7.0	10.4#
130	2.2	14.6	22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.898 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG053809.D

Acq: 3 Jun 2022 12:21

Instrument :

BNA_G

ClientSampleId :

OR-3-053122

Tgt Ion:136 Resp: 123525

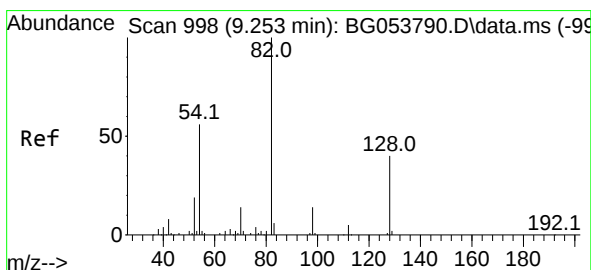
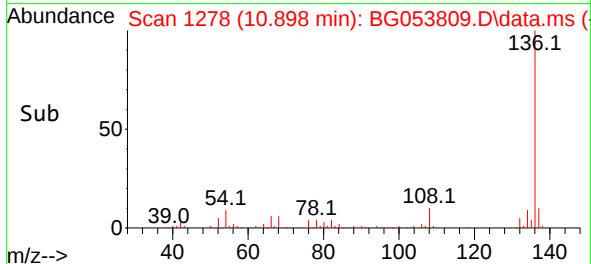
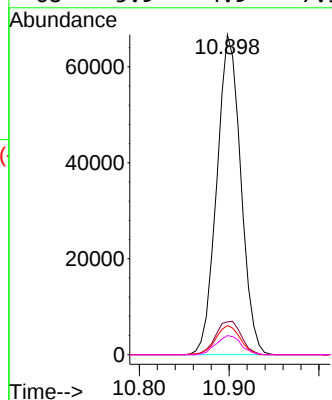
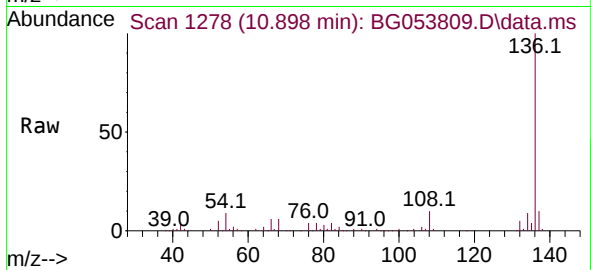
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 9.1 7.4 11.2

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 71.823 ng

RT: 9.247 min Scan# 997

Delta R.T. -0.006 min

Lab File: BG053809.D

Acq: 3 Jun 2022 12:21

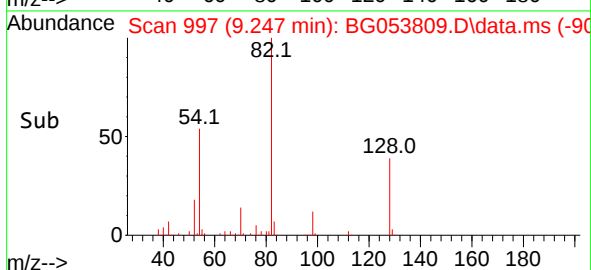
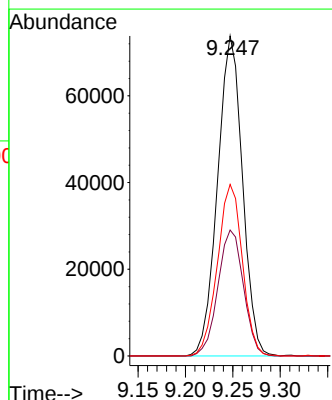
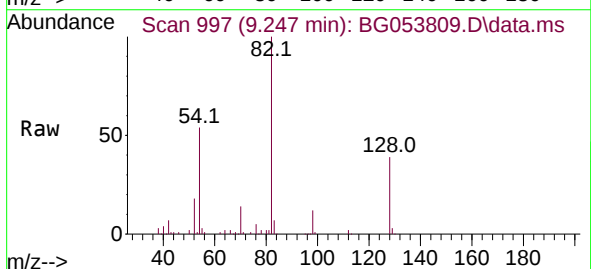
Tgt Ion: 82 Resp: 135103

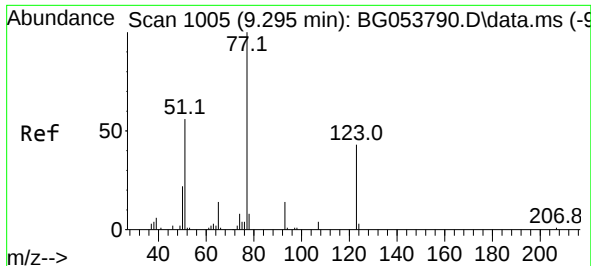
Ion Ratio Lower Upper

82 100

128 39.4 27.9 41.9

54 53.6 41.2 61.8

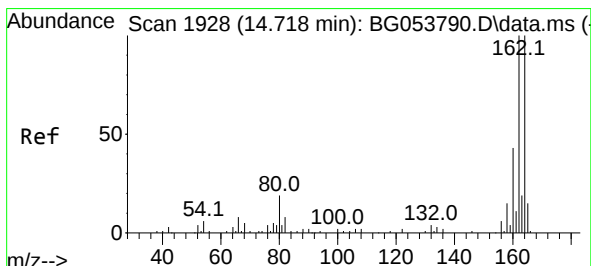
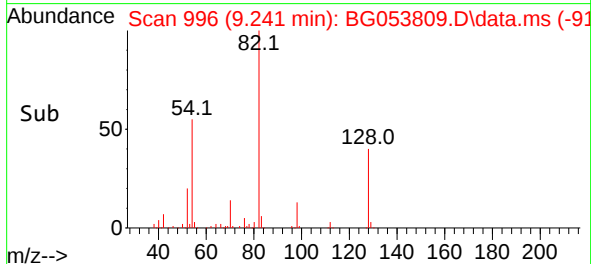
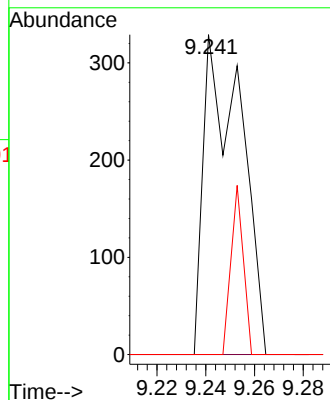
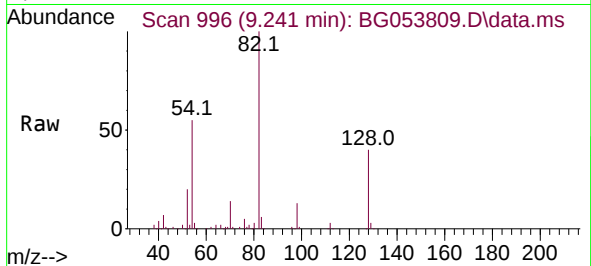




#24
Nitrobenzene
Concen: 3.128 ng
RT: 9.241 min Scan# 91
Delta R.T. -0.054 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

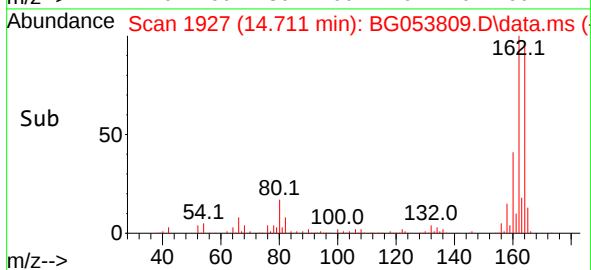
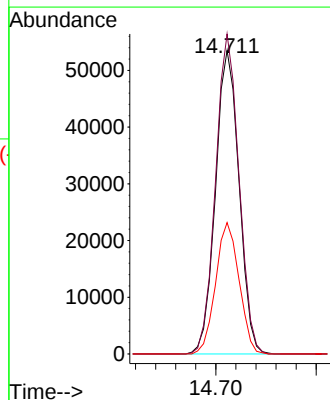
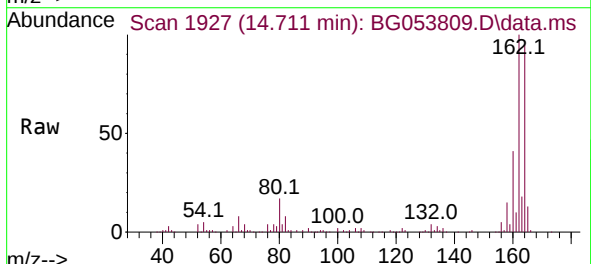
Instrument :
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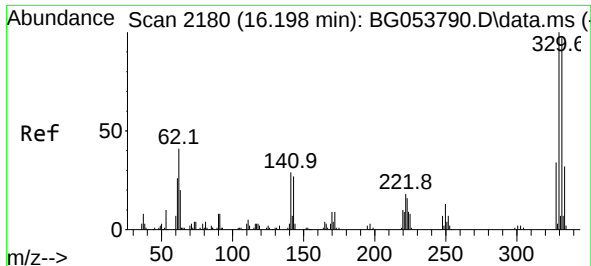
Tgt Ion: 77 Resp: 349
Ion Ratio Lower Upper
77 100
123 0.0 27.4 41.0#
65 0.0 11.4 17.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.711 min Scan# 1927
Delta R.T. -0.007 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

Tgt Ion: 164 Resp: 86845
Ion Ratio Lower Upper
164 100
162 105.4 82.3 123.5
160 43.3 34.2 51.2

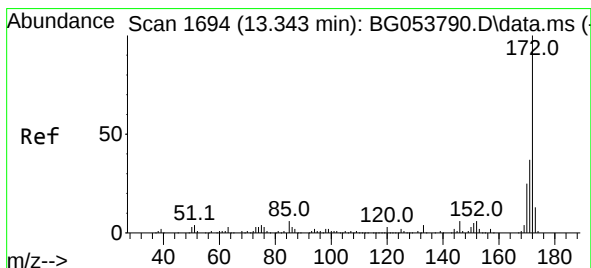
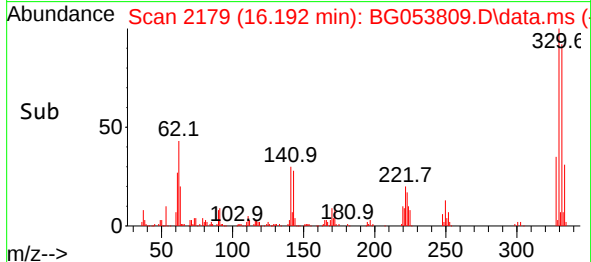
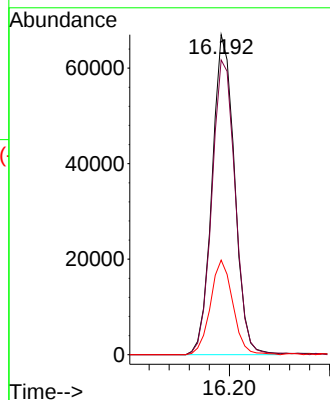
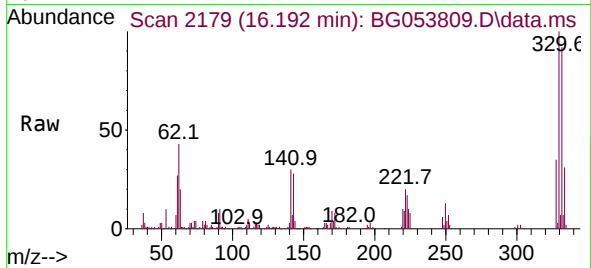




#42
2,4,6-Tribromophenol
Concen: 98.718 ng
RT: 16.192 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

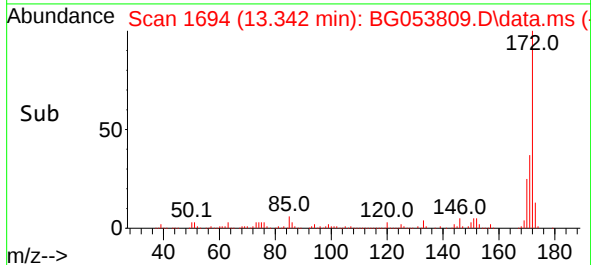
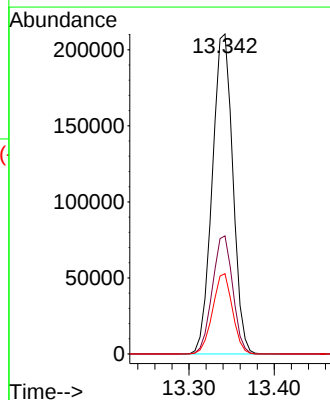
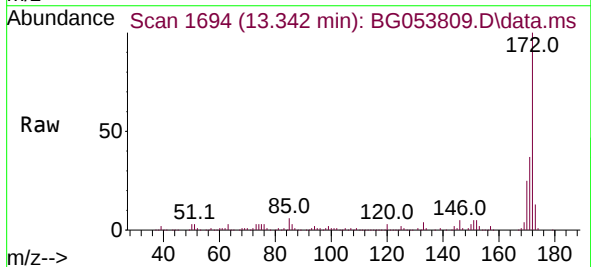
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ClientSampleId :
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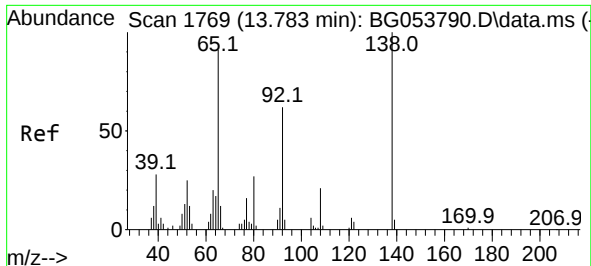
Tgt Ion:330 Resp: 104066
Ion Ratio Lower Upper
330 100
332 95.6 76.0 114.0
141 29.5 27.1 40.7



#45
2-Fluorobiphenyl
Concen: 60.635 ng
RT: 13.342 min Scan# 1694
Delta R.T. -0.001 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

Tgt Ion:172 Resp: 351991
Ion Ratio Lower Upper
172 100
171 36.9 28.5 42.7
170 25.1 18.9 28.3

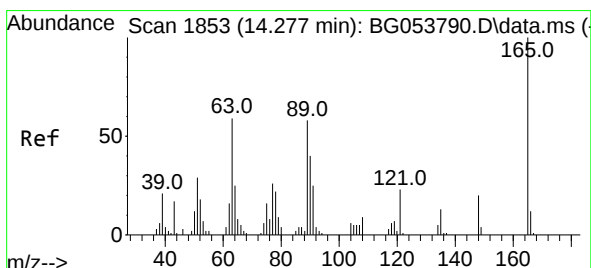
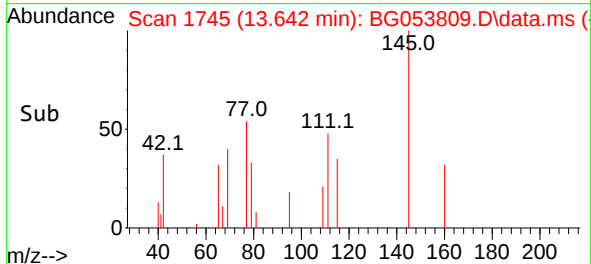
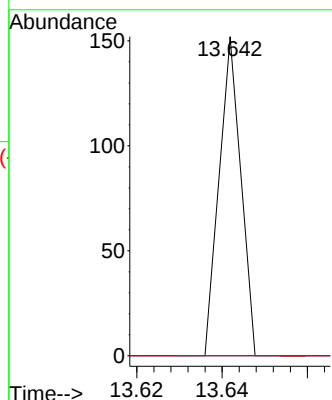
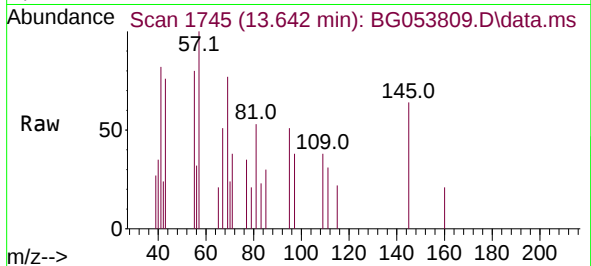




#48
2-Nitroaniline
Concen: 5.080 ng
RT: 13.642 min Scan# 1
Delta R.T. -0.141 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

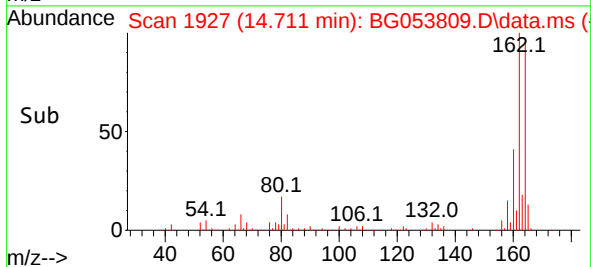
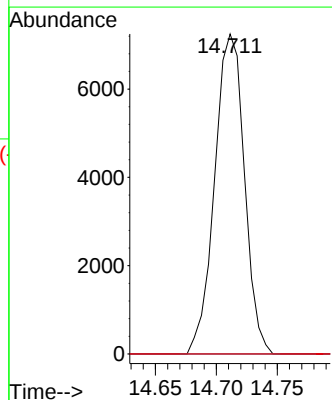
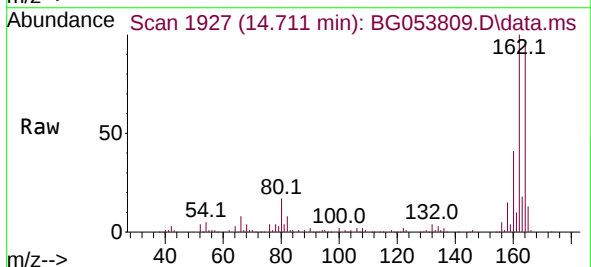
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OR-3-053122

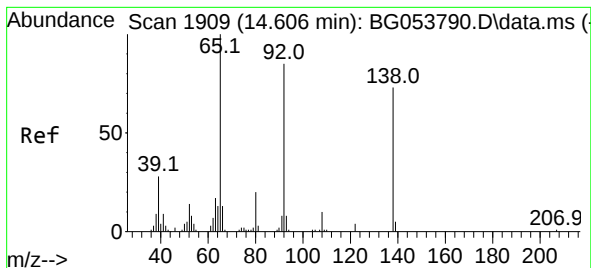
Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 51.5 77.3#
138 0.0 71.3 106.9#



#51
2,6-Dinitrotoluene
Concen: 13.918 ng
RT: 14.711 min Scan# 1927
Delta R.T. 0.434 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

Tgt Ion:165 Resp: 12308
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

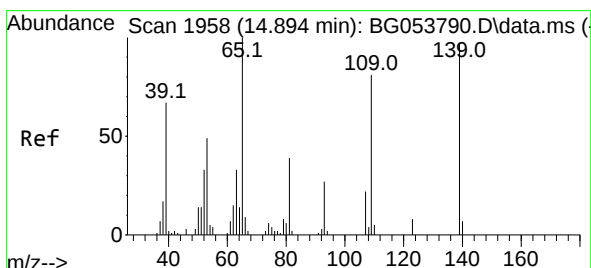
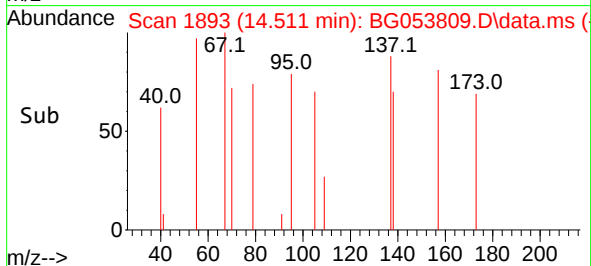
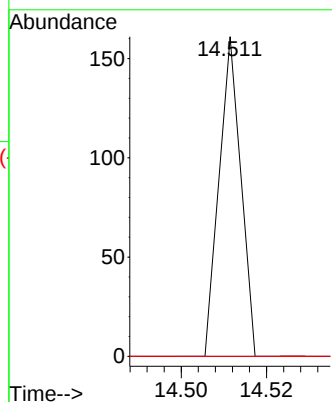
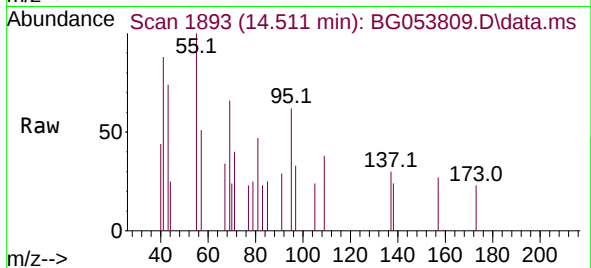




#53
3-Nitroaniline
Concen: 3.828 ng
RT: 14.511 min Scan# 1893
Delta R.T. -0.095 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

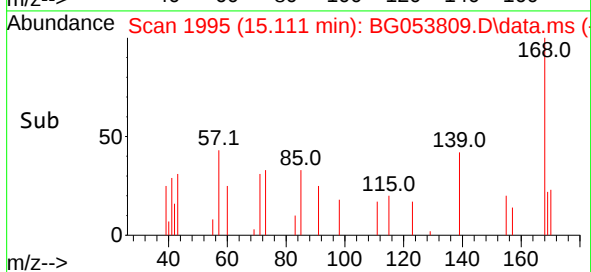
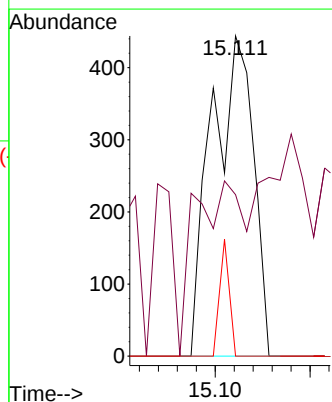
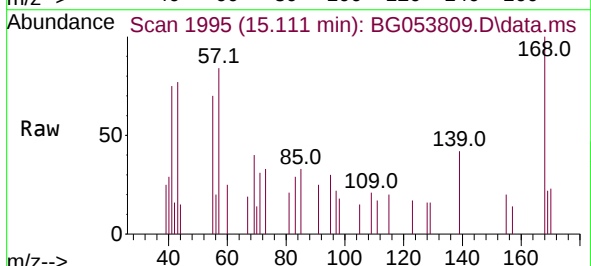
Instrument :
BNA_G
ClientSampleId :
OR-3-053122

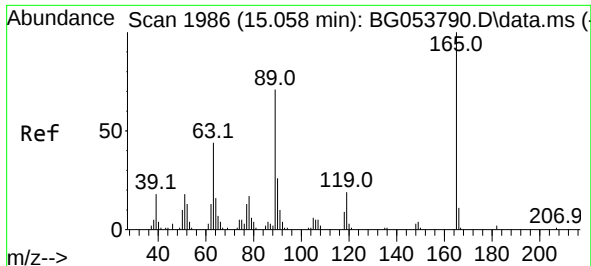
Tgt Ion:138 Resp: 57
Ion Ratio Lower Upper
138 100
108 0.0 9.2 13.8#
92 0.0 101.9 152.9#



#56
4-Nitrophenol
Concen: 5.247 ng
RT: 15.111 min Scan# 1995
Delta R.T. 0.217 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

Tgt Ion:139 Resp: 678
Ion Ratio Lower Upper
139 100
109 50.5 88.5 128.5#
65 0.0 93.9 133.9#

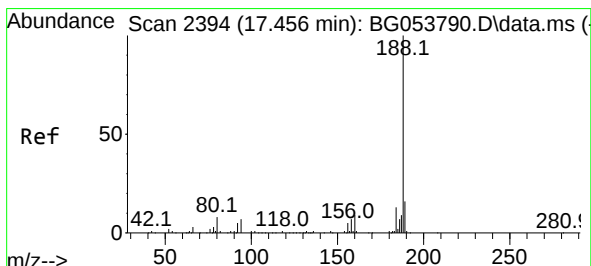
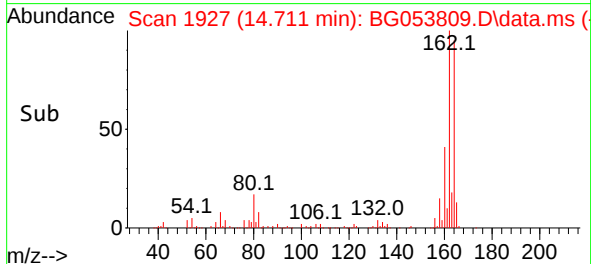
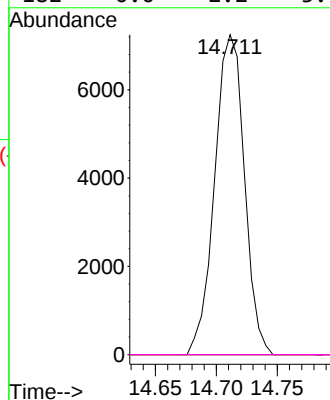
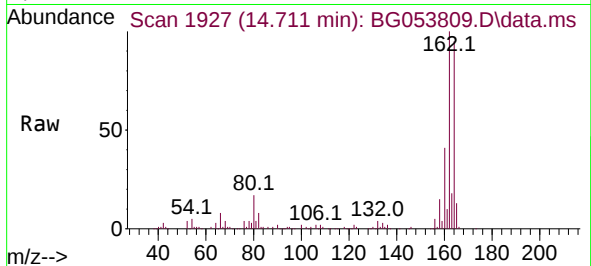




#57
2,4-Dinitrotoluene
Concen: 11.589 ng
RT: 14.711 min Scan# 1986
Delta R.T. -0.347 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

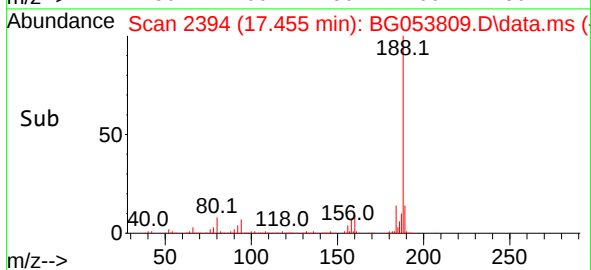
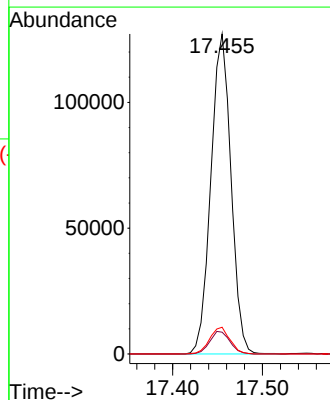
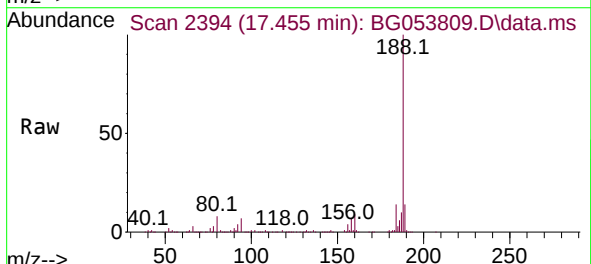
Instrument :
BNA_G
ClientSampleId :
OR-3-053122

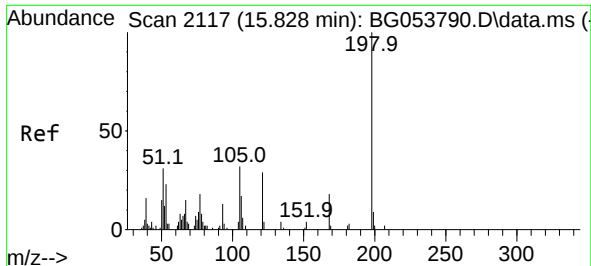
Tgt Ion:165 Resp: 12308
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.455 min Scan# 2394
Delta R.T. -0.001 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

Tgt Ion:188 Resp: 197779
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.0
80 8.4 6.8 10.2





#65

4,6-Dinitro-2-methylphenol

Concen: 5.858 ng

RT: 16.192 min Scan# 2117

Delta R.T. 0.364 min

Lab File: BG053809.D

Acq: 3 Jun 2022 12:21

Instrument :

BNA_G

ClientSampleId :

OR-3-053122

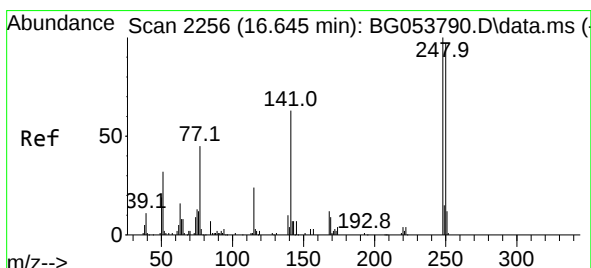
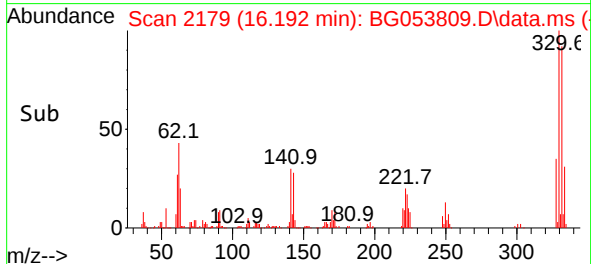
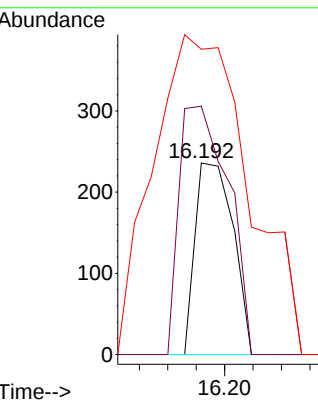
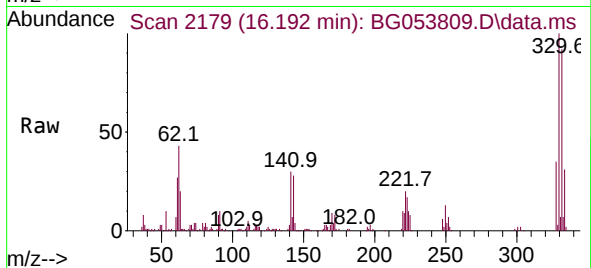
Tgt Ion:198 Resp: 219

Ion Ratio Lower Upper

198 100

51 26.2 28.1 68.1#

105 32.2 20.3 60.3



#67

4-Bromophenyl-phenylether

Concen: 3.128 ng

RT: 16.192 min Scan# 2179

Delta R.T. -0.453 min

Lab File: BG053809.D

Acq: 3 Jun 2022 12:21

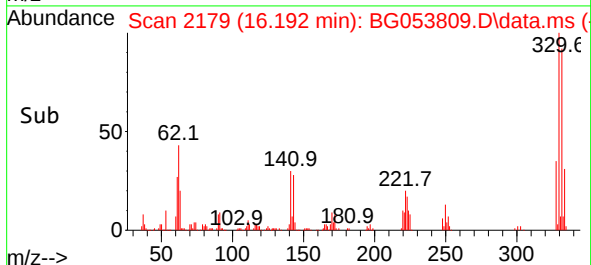
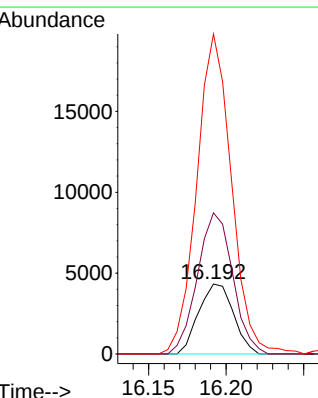
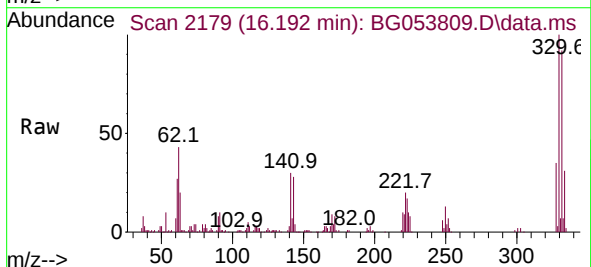
Tgt Ion:248 Resp: 6721

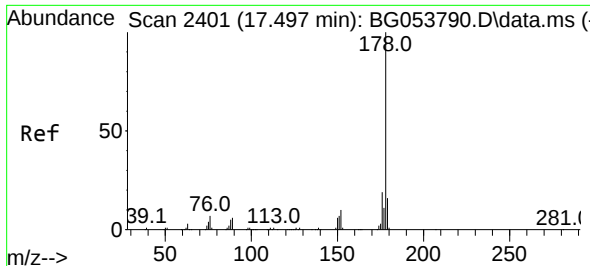
Ion Ratio Lower Upper

248 100

250 198.4 75.2 112.8#

141 348.1 50.0 75.0#

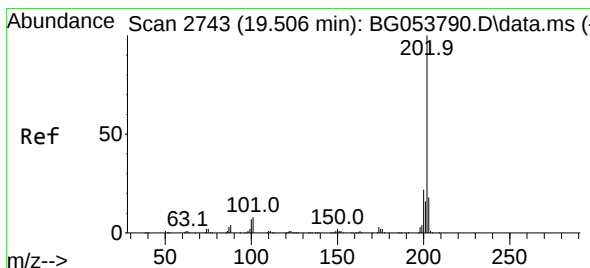
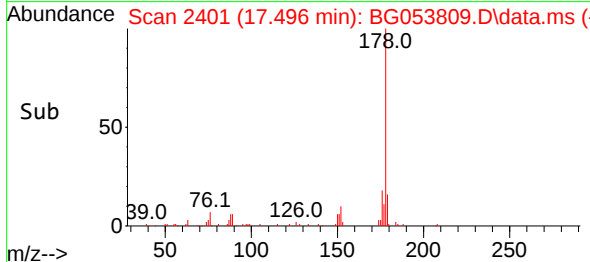
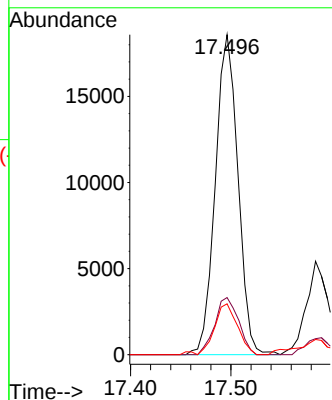
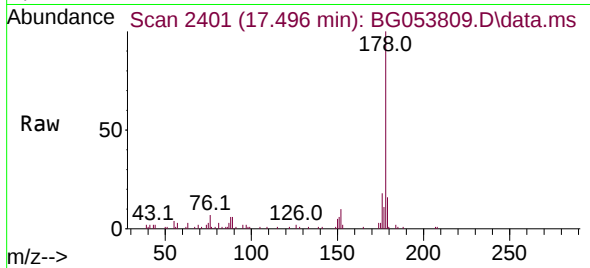




#71
Phenanthrene
Concen: 2.793 ng
RT: 17.496 min Scan# 2401
Delta R.T. -0.001 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

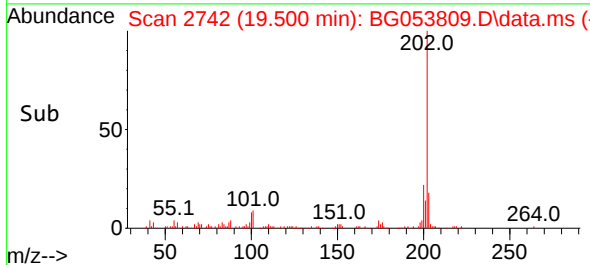
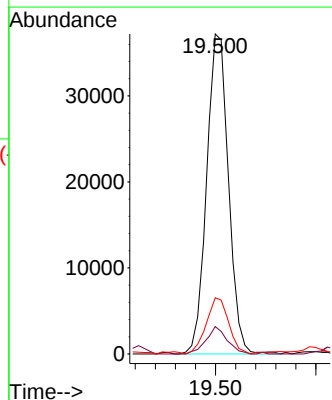
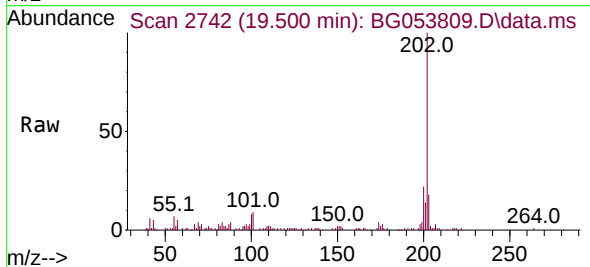
Instrument :
BNA_G
ClientSampleId :
OR-3-053122

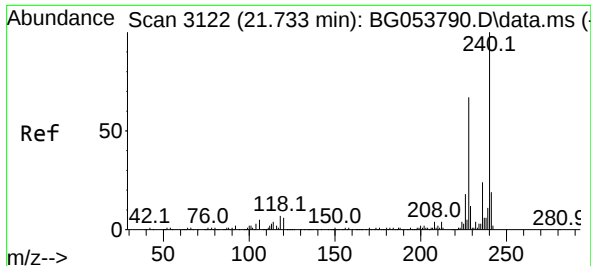
Tgt Ion:178 Resp: 29078
Ion Ratio Lower Upper
178 100
176 17.8 14.1 21.1
179 15.9 12.1 18.1



#75
Fluoranthene
Concen: 4.155 ng
RT: 19.500 min Scan# 2742
Delta R.T. -0.006 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

Tgt Ion:202 Resp: 56099
Ion Ratio Lower Upper
202 100
101 8.6 0.0 26.9
203 17.6 0.0 37.2

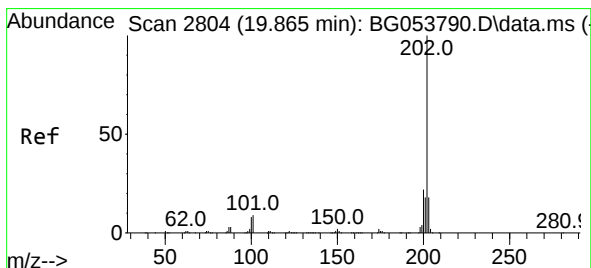
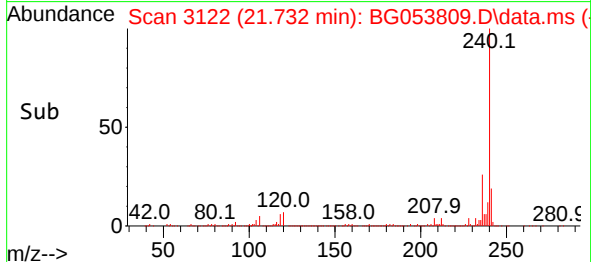
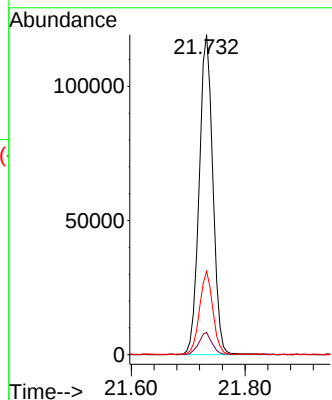
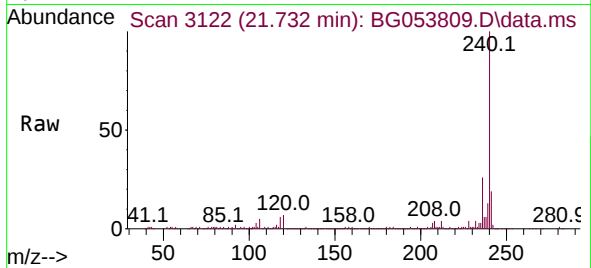




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.732 min Scan# 3122
Delta R.T. -0.001 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

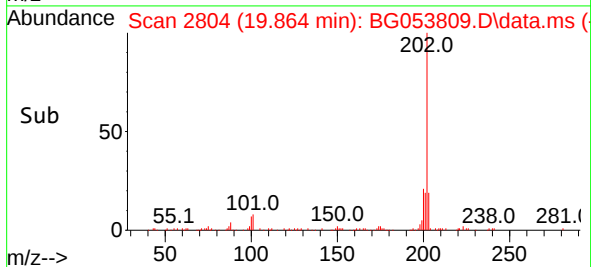
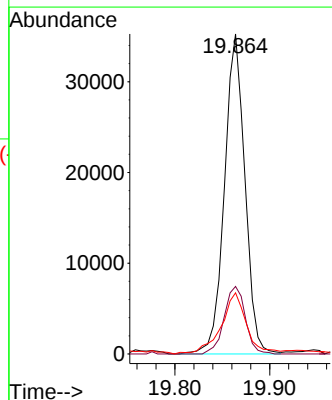
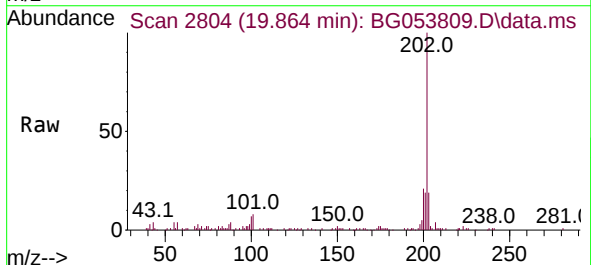
Instrument :
BNA_G
ClientSampleId :
OR-3-053122

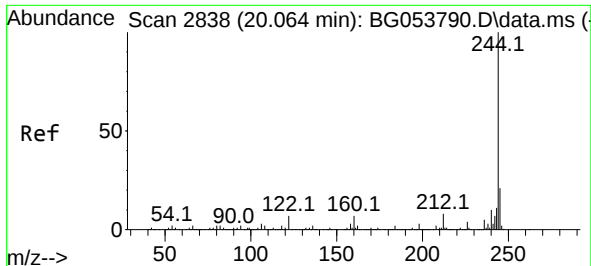
Tgt Ion:240 Resp: 199121
Ion Ratio Lower Upper
240 100
120 6.9 4.6 7.0
236 26.1 20.2 30.4



#78
Pyrene
Concen: 4.180 ng
RT: 19.864 min Scan# 2804
Delta R.T. -0.001 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

Tgt Ion:202 Resp: 52932
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 19.1 14.6 21.8

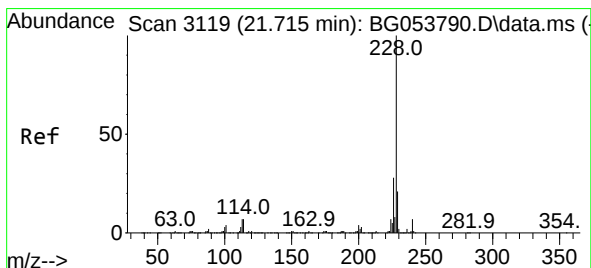
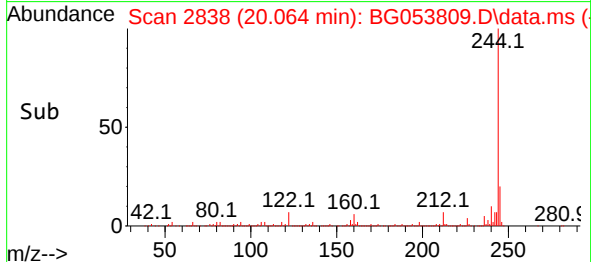
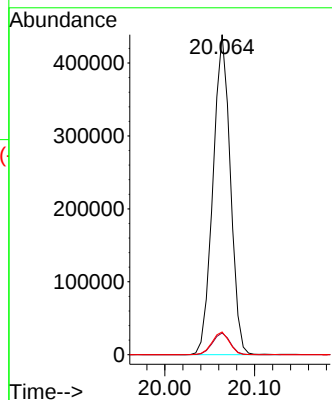
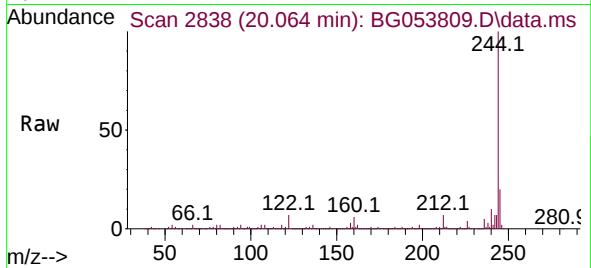




#79
 Terphenyl-d14
 Concen: 58.850 ng
 RT: 20.064 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG053809.D
 Acq: 3 Jun 2022 12:21

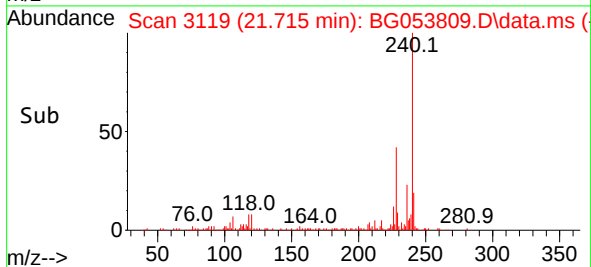
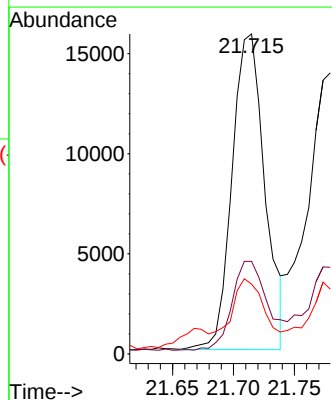
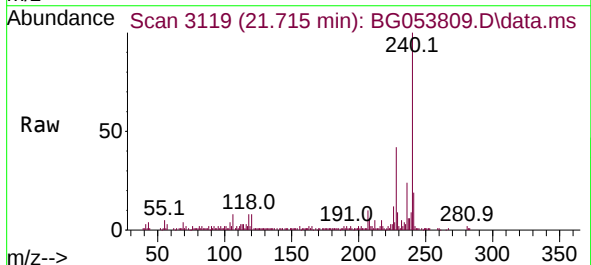
Instrument :
 BNA_G
 ClientSampleId :
 OR-3-053122

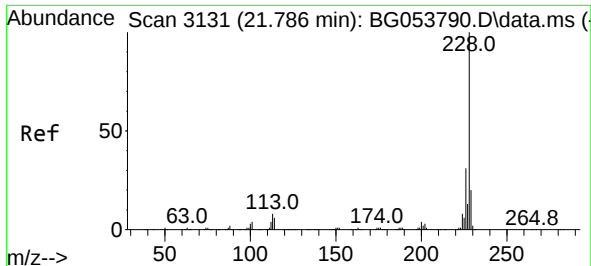
Tgt Ion:244 Resp: 589030
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 7.1 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 2.231 ng
 RT: 21.715 min Scan# 3119
 Delta R.T. -0.001 min
 Lab File: BG053809.D
 Acq: 3 Jun 2022 12:21

Tgt Ion:228 Resp: 29491
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.6 32.4
 229 21.8 16.2 24.2

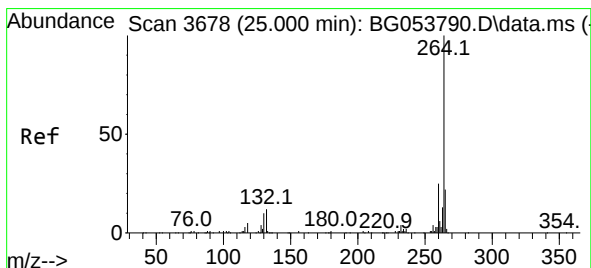
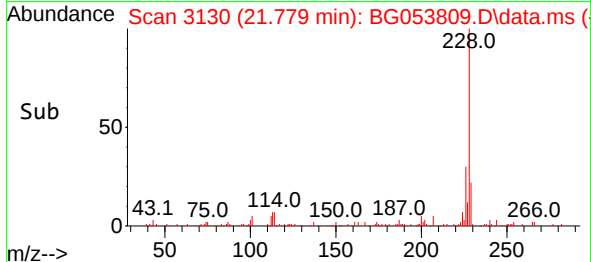
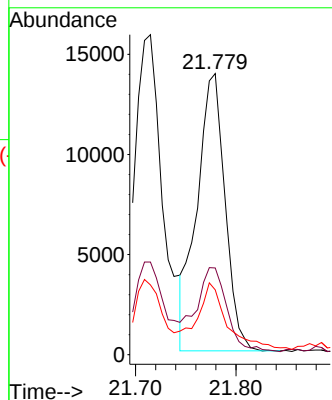
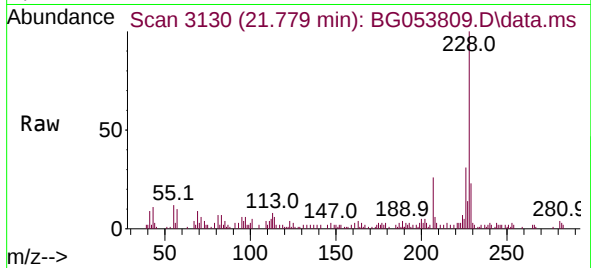




#83
Chrysene
Concen: 2.163 ng
RT: 21.779 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

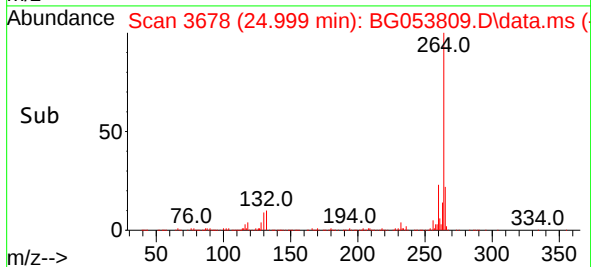
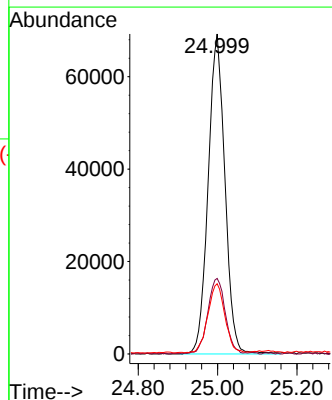
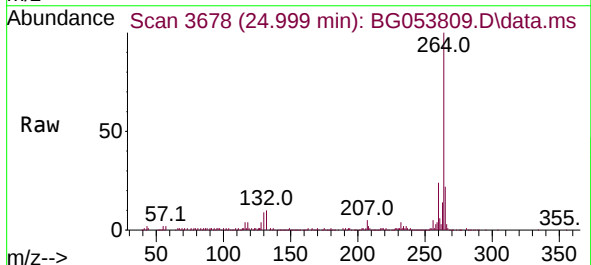
Instrument :
BNA_G
ClientSampleId :
OR-3-053122

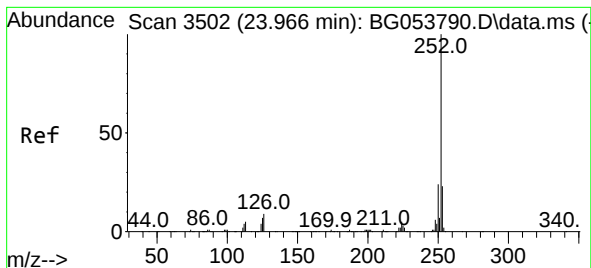
Tgt Ion:228 Resp: 26991
Ion Ratio Lower Upper
228 100
226 30.8 23.4 35.2
229 23.1 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.999 min Scan# 3678
Delta R.T. -0.001 min
Lab File: BG053809.D
Acq: 3 Jun 2022 12:21

Tgt Ion:264 Resp: 202997
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 22.0 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 3.606 ng

RT: 23.959 min Scan# 3501

Delta R.T. -0.006 min

Lab File: BG053809.D

Acq: 3 Jun 2022 12:21

Instrument :

BNA_G

ClientSampleId :

OR-3-053122

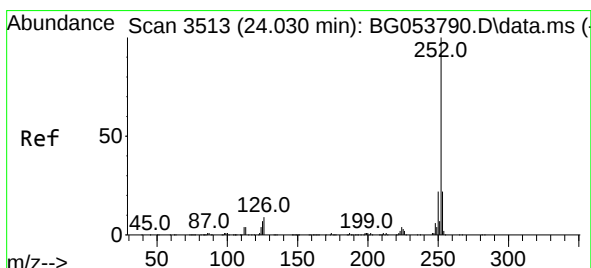
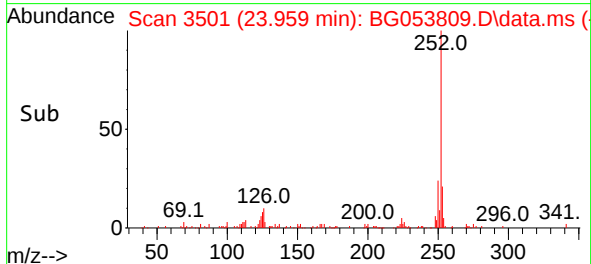
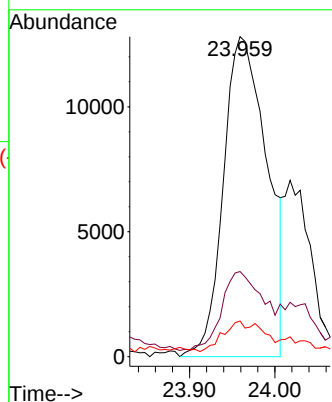
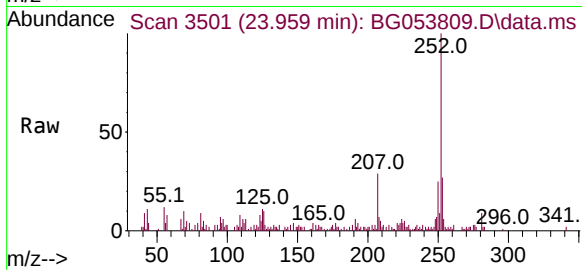
Tgt Ion:252 Resp: 45447

Ion Ratio Lower Upper

252 100

253 26.6 18.0 27.0

125 11.1 4.6 6.8#



#89

Benzo(k)fluoranthene

Concen: 3.648 ng

RT: 23.959 min Scan# 3501

Delta R.T. -0.071 min

Lab File: BG053809.D

Acq: 3 Jun 2022 12:21

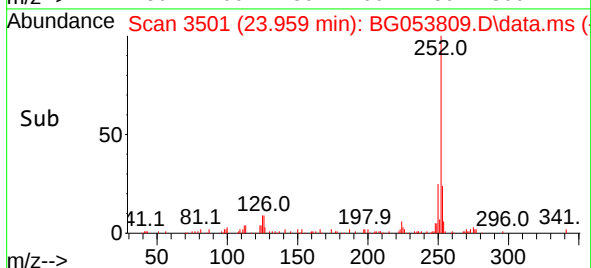
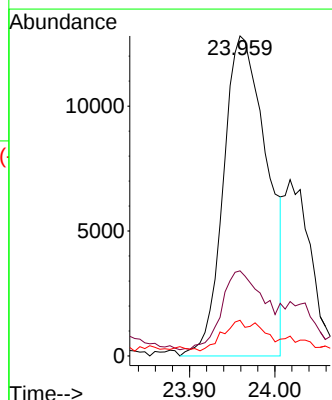
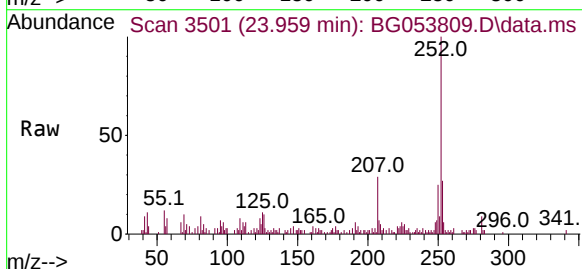
Tgt Ion:252 Resp: 45447

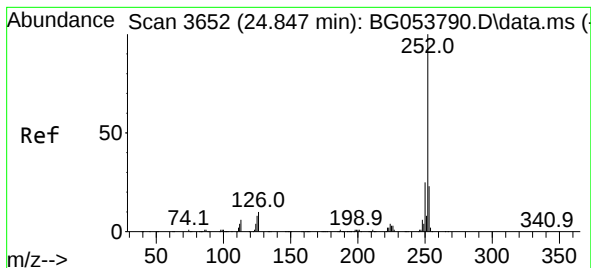
Ion Ratio Lower Upper

252 100

253 26.6 18.4 27.6

125 11.1 4.8 7.2#





#90

Benzo(a)pyrene

Concen: 3.341 ng

RT: 24.835 min Scan# 3

Delta R.T. -0.012 min

Lab File: BG053809.D

Acq: 3 Jun 2022 12:21

Instrument :

BNA_G

ClientSampleId :

OR-3-053122

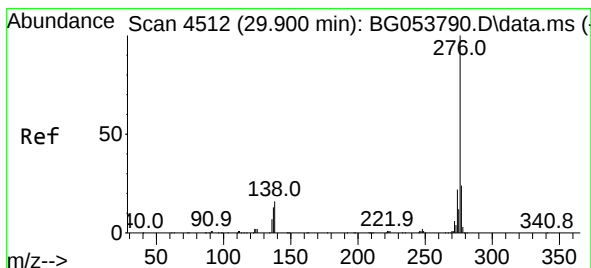
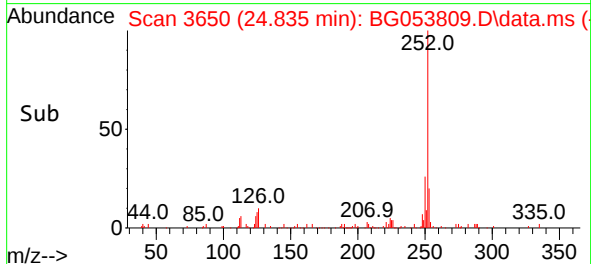
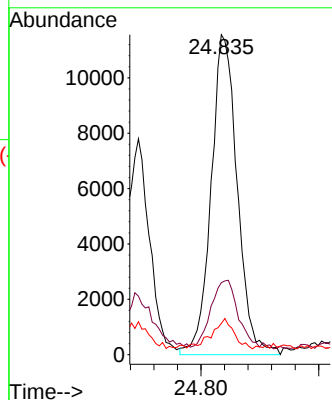
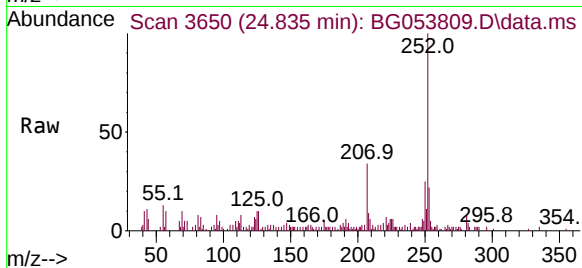
Tgt Ion:252 Resp: 35613

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 9.8 4.3 6.5#



#92

Benzo(g,h,i)perylene

Concen: 2.593 ng

RT: 29.882 min Scan# 4509

Delta R.T. -0.018 min

Lab File: BG053809.D

Acq: 3 Jun 2022 12:21

Tgt Ion:276 Resp: 31600

Ion Ratio Lower Upper

276 100

277 23.5 17.3 25.9

138 15.8 9.6 14.4#

