

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053742.D
 Acq On : 27 May 2022 20:53
 Operator : CG/JU
 Sample : N3051-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11944

Quant Time: May 28 02:00:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

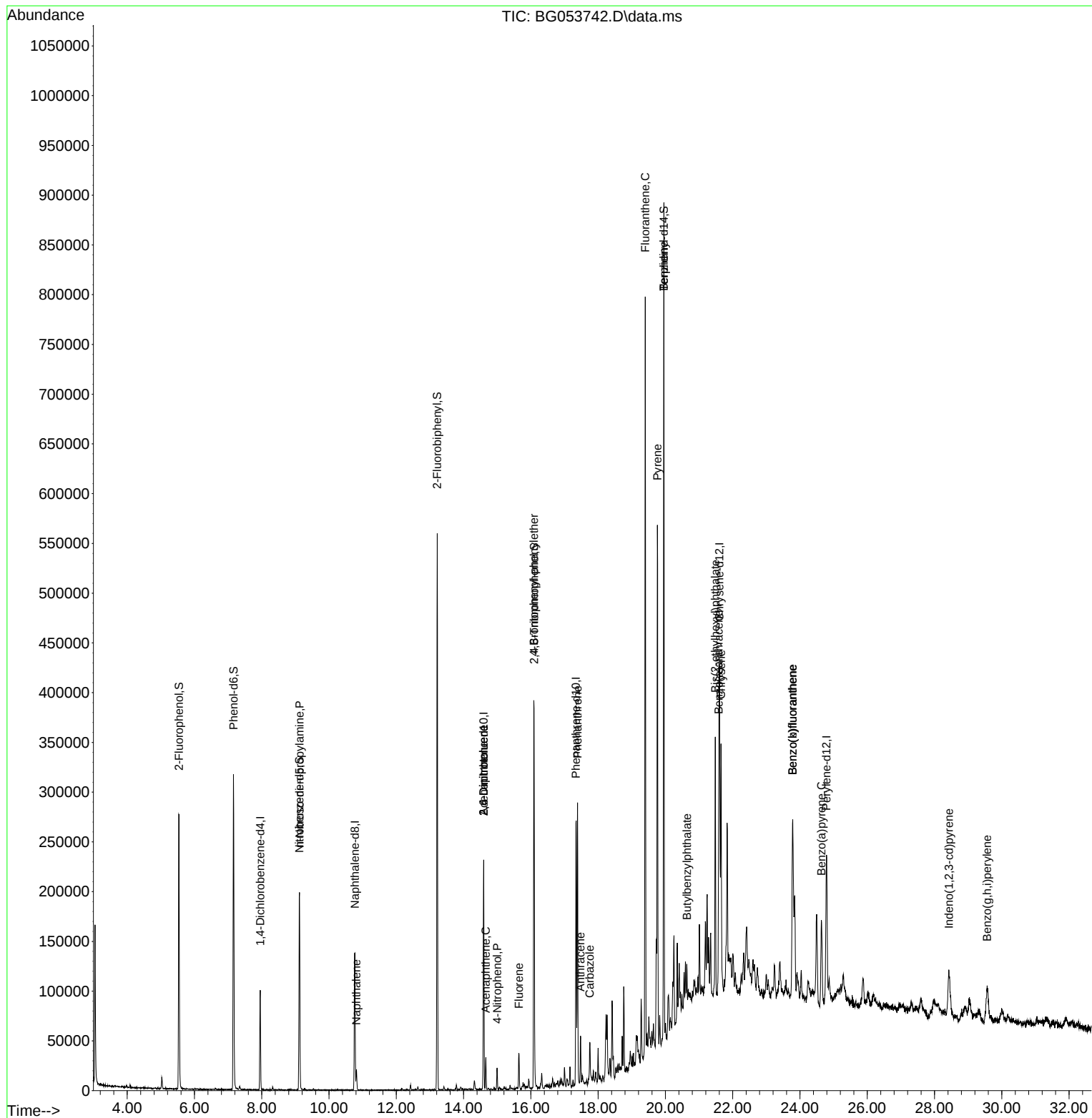
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	27561	20.000	ng	-0.03
21) Naphthalene-d8	10.766	136	111272	20.000	ng	-0.03
39) Acenaphthene-d10	14.596	164	82066	20.000	ng	-0.03
64) Phenanthrene-d10	17.340	188	171841	20.000	ng	-0.03
76) Chrysene-d12	21.605	240	152845	20.000	ng	-0.03
86) Perylene-d12	24.788	264	158178	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	117309	72.236	ng	-0.02
7) Phenol-d6	7.159	99	179053	72.649	ng	0.00
23) Nitrobenzene-d5	9.116	82	125189	47.893	ng	-0.04
42) 2,4,6-Tribromophenol	16.094	330	82293	67.989	ng	-0.02
45) 2-Fluorobiphenyl	13.216	172	283300	50.445	ng	-0.03
79) Terphenyl-d14	19.954	244	403414	49.157	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.121	70	17946	10.148	ng	# 78
31) Naphthalene	10.813	128	16488	2.913	ng	100
51) 2,6-Dinitrotoluene	14.596	165	10851	8.541	ng	# 17
52) Acenaphthene	14.661	154	11390	2.733	ng	97
56) 4-Nitrophenol	14.996	139	5326	5.432	ng	# 1
57) 2,4-Dinitrotoluene	14.596	165	10851	5.892	ng	# 23
58) Fluorene	15.642	166	17138	2.853	ng	# 99
67) 4-Bromophenyl-phenylether	16.089	248	5141	2.562	ng	# 1
71) Phenanthrene	17.387	178	170366	19.498	ng	96
72) Anthracene	17.475	178	35358	4.117	ng	94
73) Carbazole	17.751	167	26768	3.180	ng	97
75) Fluoranthene	19.402	202	474214	41.915	ng	99
77) Benzidine	19.954	184	6875	2.087	ng	# 89
78) Pyrene	19.760	202	353047	35.681	ng	98
80) Butylbenzylphthalate	20.635	149	9516	2.623	ng	88
81) Benzo(a)anthracene	21.587	228	126273	12.953	ng	99
83) Chrysene	21.652	228	192089	21.097	ng	98
84) Bis(2-ethylhexyl)phtha...	21.481	149	92515	18.474	ng	97
87) Indeno(1,2,3-cd)pyrene	28.431	276	73898	6.708	ng	# 95
88) Benzo(b)fluoranthene	23.784	252	229494	24.511	ng	97
89) Benzo(k)fluoranthene	23.784	252	229494	24.944	ng	97
90) Benzo(a)pyrene	24.636	252	95418	11.973	ng	# 98
92) Benzo(g,h,i)perylene	29.564	276	74910	8.325	ng	97

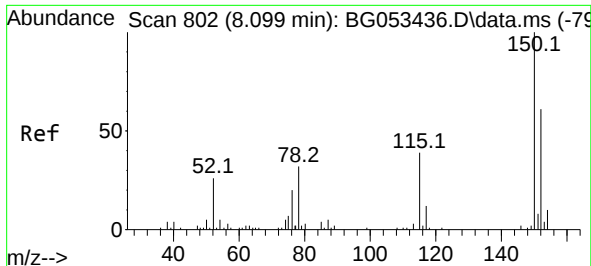
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
Data File : BG053742.D
Acq On : 27 May 2022 20:53
Operator : CG/JU
Sample : N3051-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
72-11944

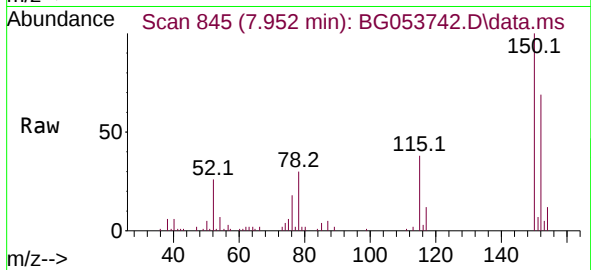
Quant Time: May 28 02:00:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 15:11:41 2022
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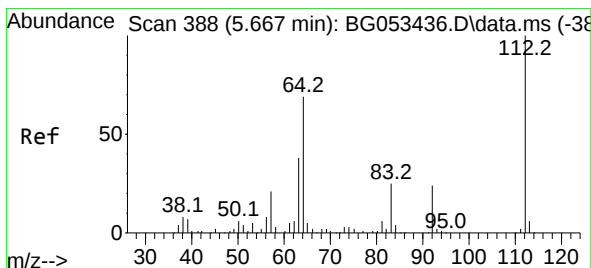
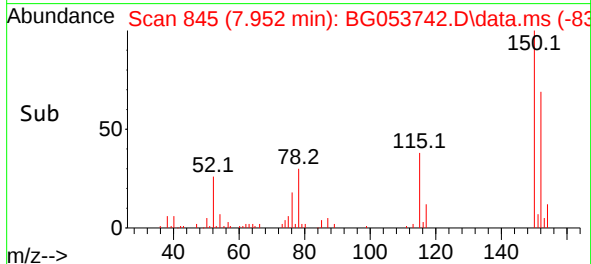
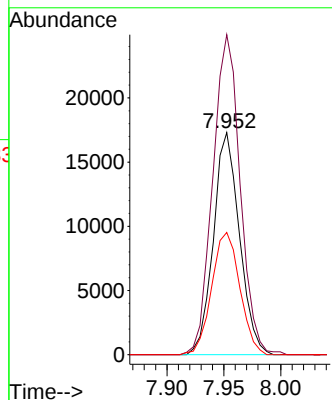


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 84
Delta R.T. -0.034 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Instrument :
BNA_G
ClientSampleId :
72-11944

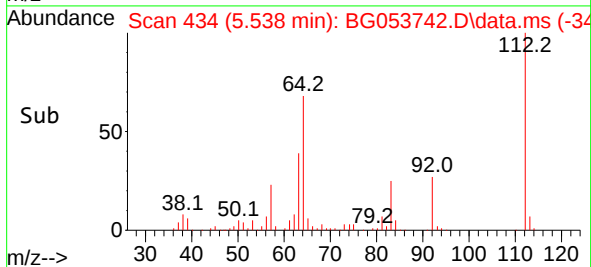
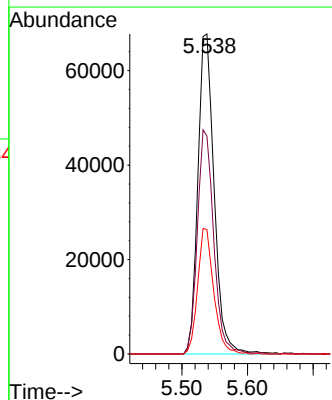
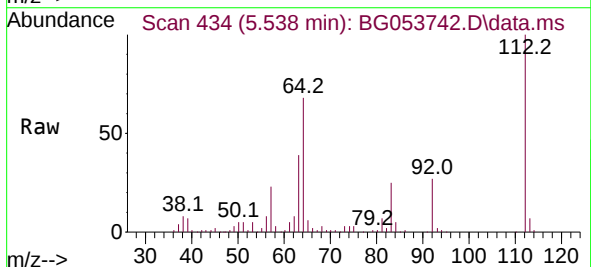


Tgt Ion:152 Resp: 27561
Ion Ratio Lower Upper
152 100
150 144.1 131.6 197.4
115 55.1 50.9 76.3



#5
2-Fluorophenol
Concen: 72.236 ng
RT: 5.538 min Scan# 434
Delta R.T. -0.016 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Tgt Ion:112 Resp: 117309
Ion Ratio Lower Upper
112 100
64 68.1 55.1 82.7
63 38.9 30.4 45.6

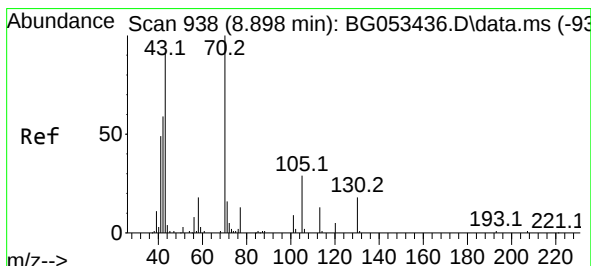
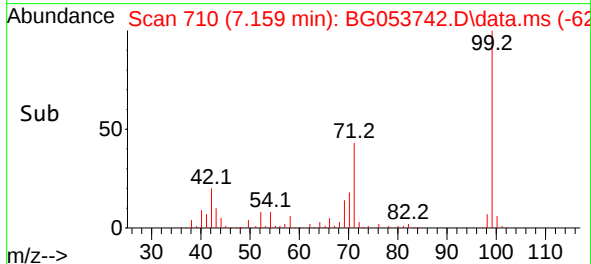
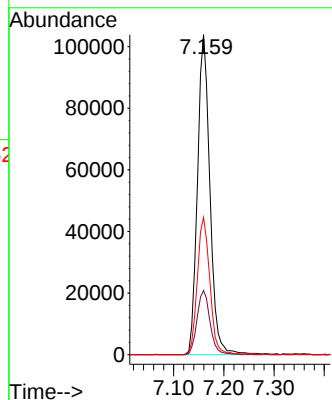
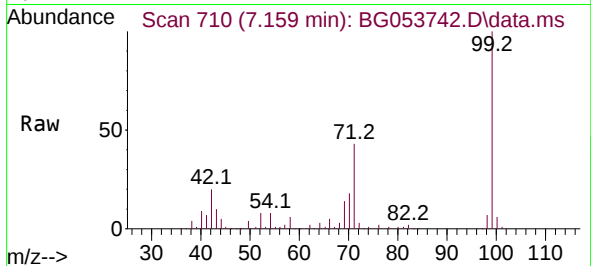




#7
Phenol-d6
Concen: 72.649 ng
RT: 7.159 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

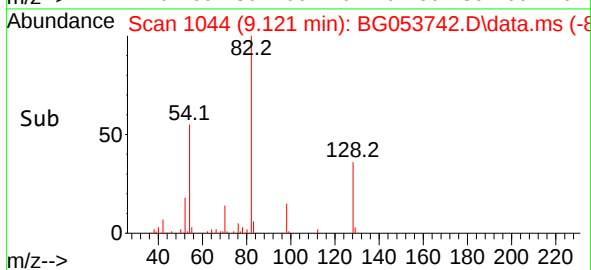
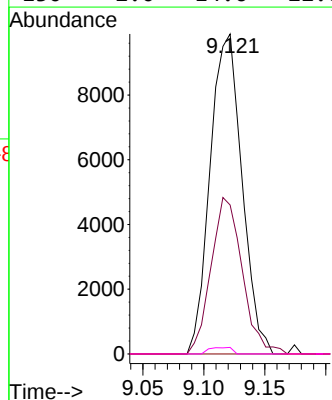
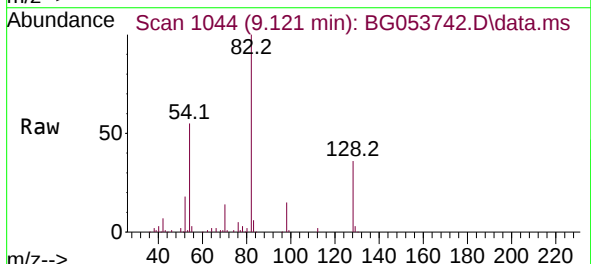
Instrument :
BNA_G
ClientSampleId :
72-11944

Tgt Ion: 99 Resp: 179053
Ion Ratio Lower Upper
99 100
42 20.1 17.0 25.6
71 42.9 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.148 ng
RT: 9.121 min Scan# 1044
Delta R.T. 0.325 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Tgt Ion: 70 Resp: 17946
Ion Ratio Lower Upper
70 100
42 46.5 47.3 70.9#
101 0.0 7.0 10.4#
130 2.0 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.766 min Scan# 11

Delta R.T. -0.034 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

Instrument :

BNA_G

ClientSampleId :

72-11944

Tgt Ion:136 Resp: 111272

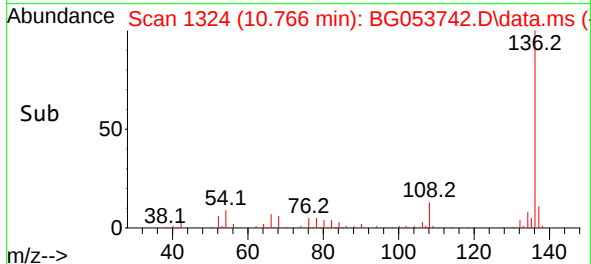
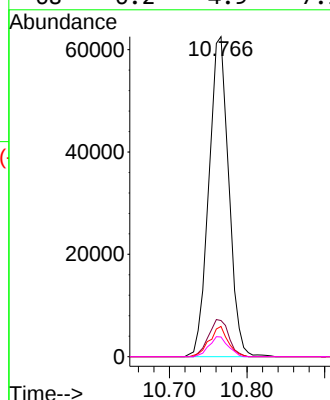
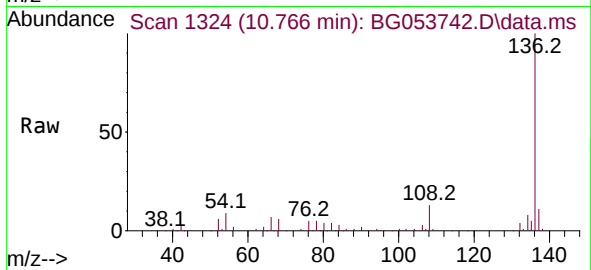
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 9.5 7.4 11.2

68 6.2 4.9 7.3



#23

Nitrobenzene-d5

Concen: 47.893 ng

RT: 9.116 min Scan# 1043

Delta R.T. -0.040 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

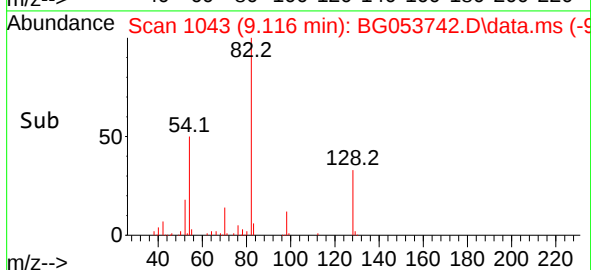
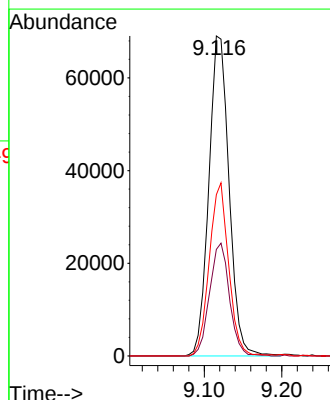
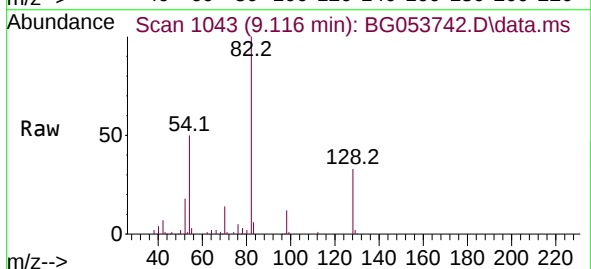
Tgt Ion: 82 Resp: 125189

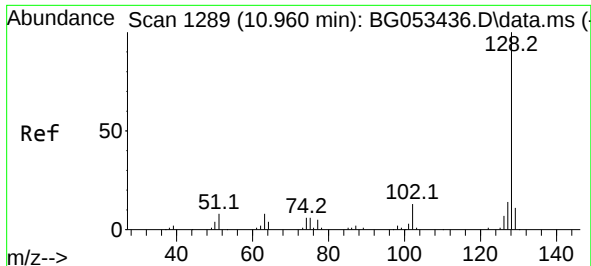
Ion Ratio Lower Upper

82 100

128 33.3 27.9 41.9

54 50.4 41.2 61.8

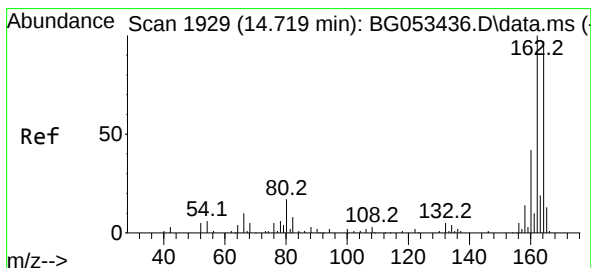
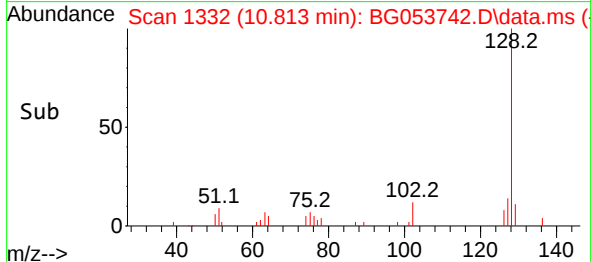
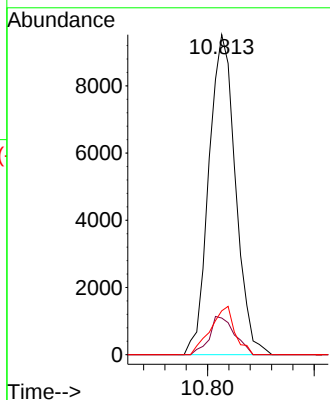
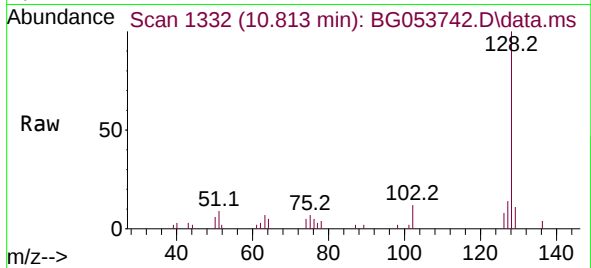




#31
Naphthalene
Concen: 2.913 ng
RT: 10.813 min Scan# 11
Delta R.T. -0.034 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

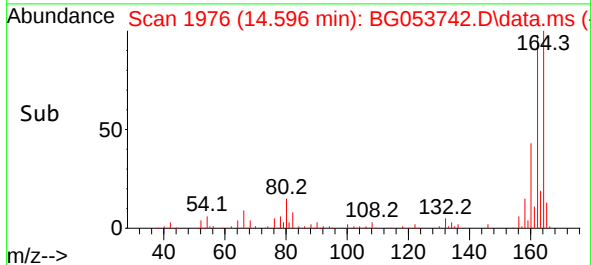
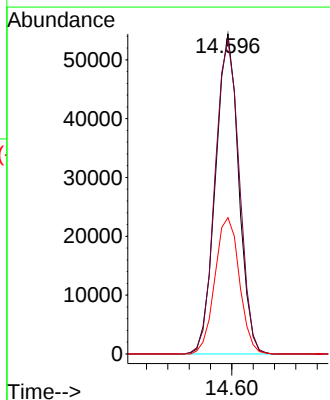
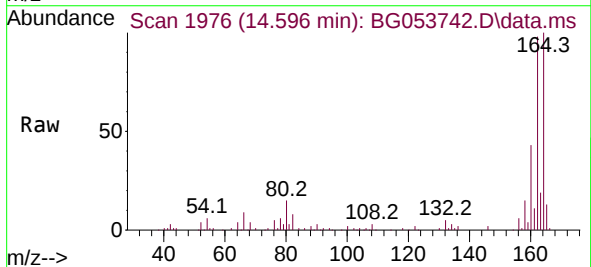
Instrument :
BNA_G
ClientSampleId :
72-11944

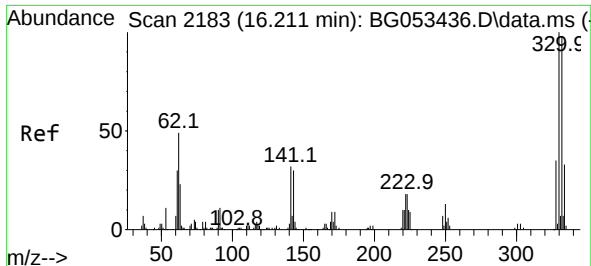
Tgt Ion:128 Resp: 16488
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.7 11.1 16.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.596 min Scan# 1976
Delta R.T. -0.028 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Tgt Ion:164 Resp: 82066
Ion Ratio Lower Upper
164 100
162 98.1 82.3 123.5
160 42.6 34.2 51.2

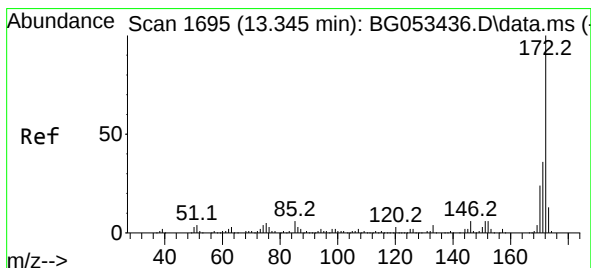
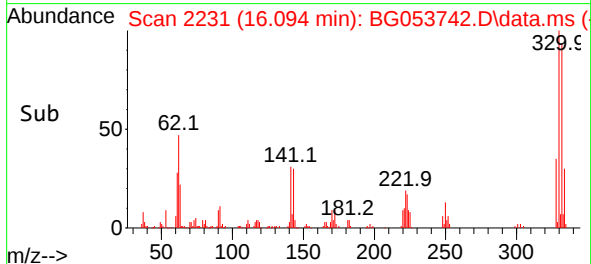
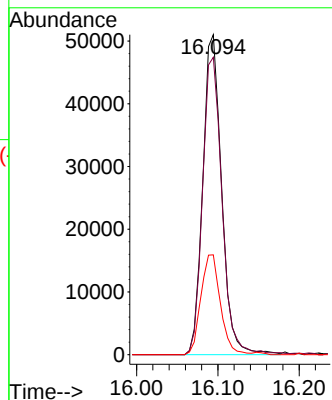
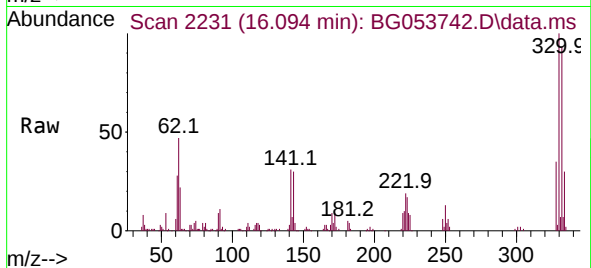




#42
2,4,6-Tribromophenol
Concen: 67.989 ng
RT: 16.094 min Scan# 2183
Delta R.T. -0.022 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

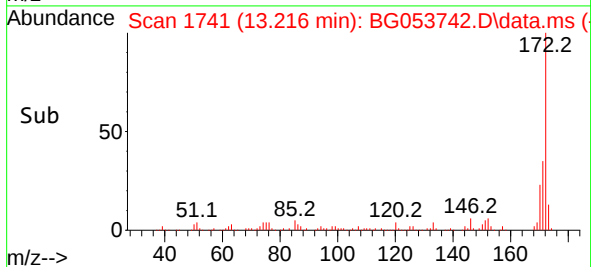
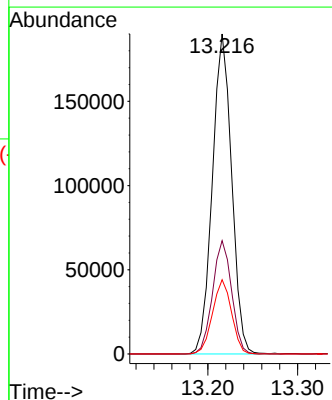
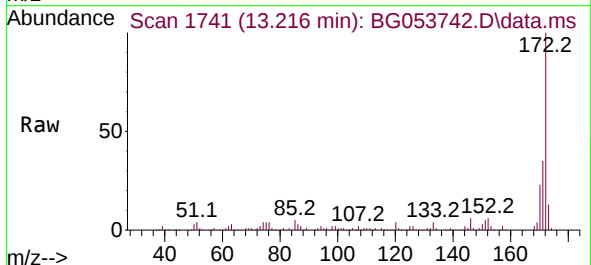
Instrument :
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ClientSampleId :
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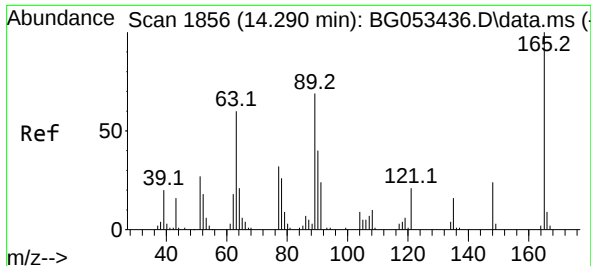
Tgt Ion:330 Resp: 82293
Ion Ratio Lower Upper
330 100
332 96.1 76.0 114.0
141 32.4 27.1 40.7



#45
2-Fluorobiphenyl
Concen: 50.445 ng
RT: 13.216 min Scan# 1741
Delta R.T. -0.028 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Tgt Ion:172 Resp: 283300
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 23.2 18.9 28.3

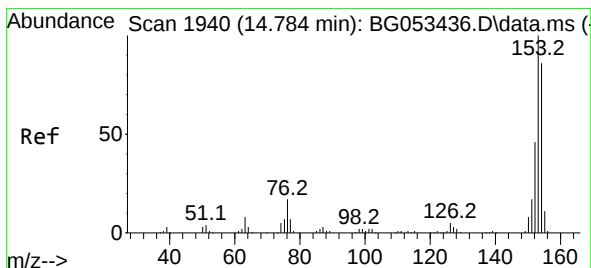
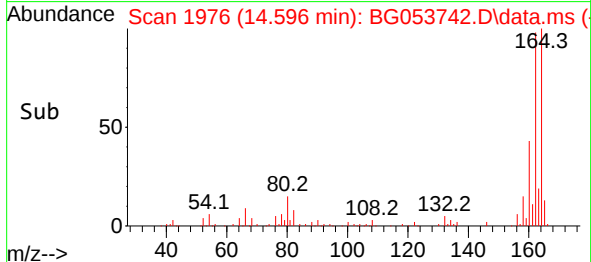
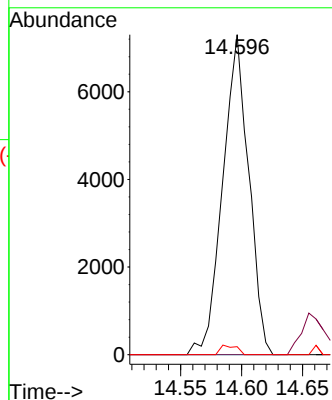
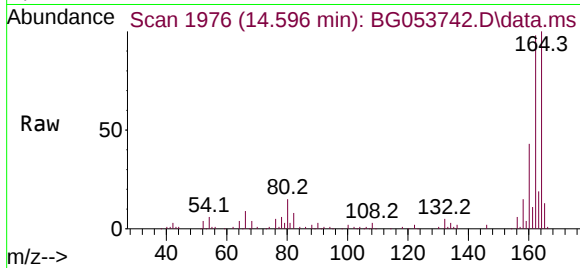




#51
2,6-Dinitrotoluene
Concen: 8.541 ng
RT: 14.596 min Scan# 1976
Delta R.T. 0.395 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

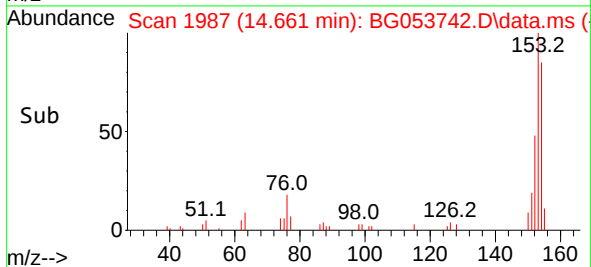
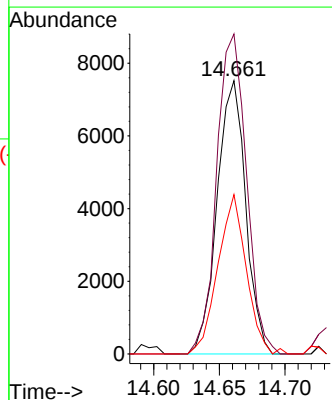
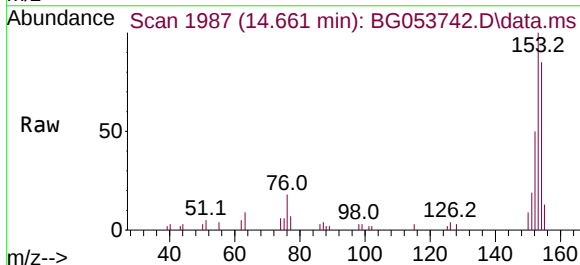
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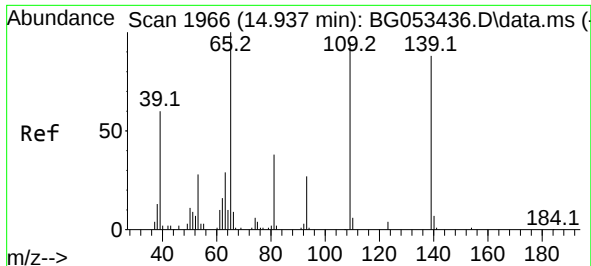
Tgt Ion:165 Resp: 10851
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 2.5 54.8 82.2#



#52
Acenaphthene
Concen: 2.733 ng
RT: 14.661 min Scan# 1987
Delta R.T. -0.028 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Tgt Ion:154 Resp: 11390
Ion Ratio Lower Upper
154 100
153 117.1 92.7 139.1
152 58.3 42.6 64.0

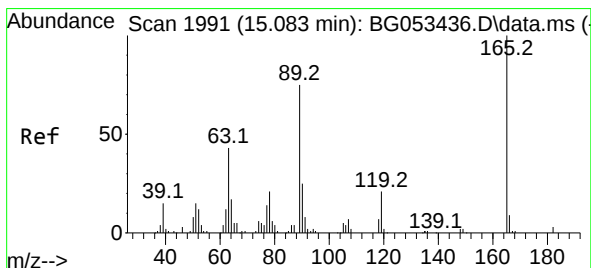
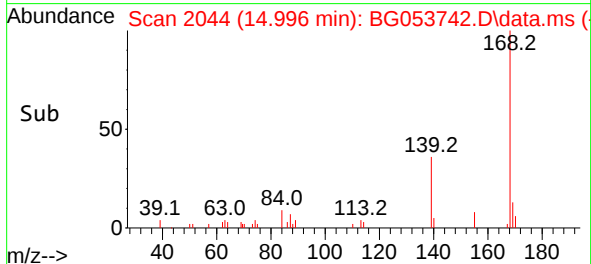
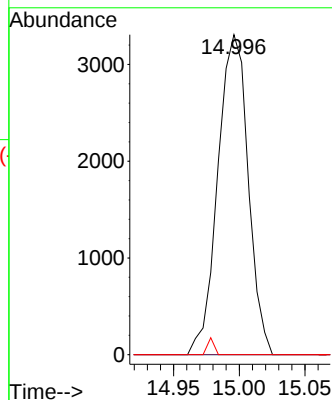
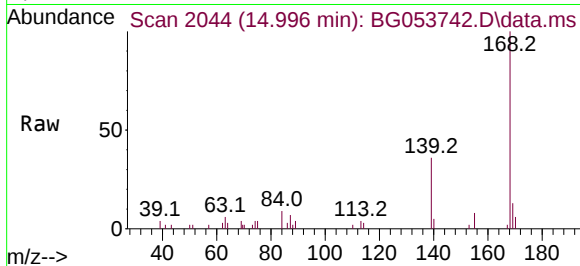




#56
4-Nitrophenol
Concen: 5.432 ng
RT: 14.996 min Scan# 2044
Delta R.T. 0.131 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

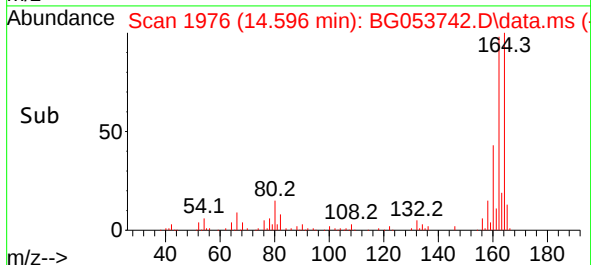
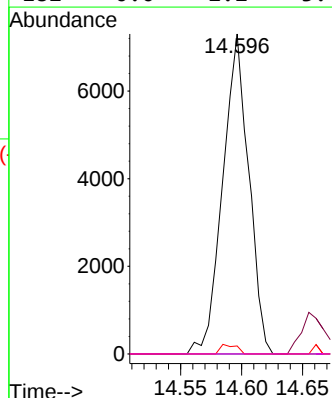
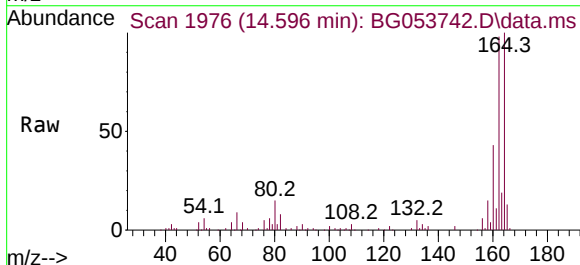
Instrument :
BNA_G
ClientSampleId :
72-11944

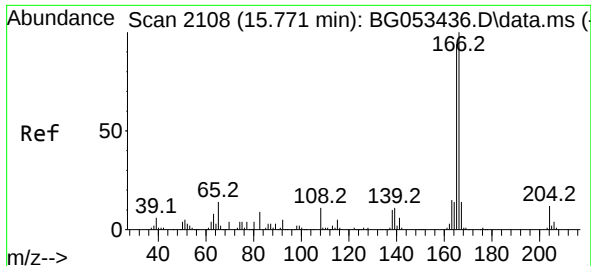
Tgt Ion:139 Resp: 5326
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#



#57
2,4-Dinitrotoluene
Concen: 5.892 ng
RT: 14.596 min Scan# 1976
Delta R.T. -0.398 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Tgt Ion:165 Resp: 10851
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 2.5 60.3 90.5#
182 0.0 2.2 3.4#

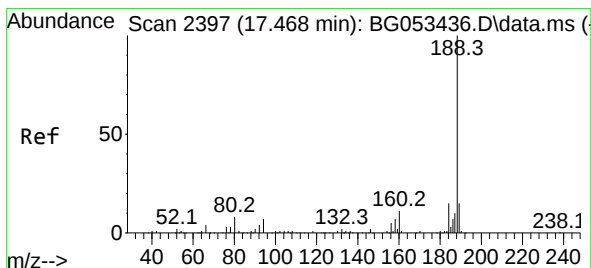
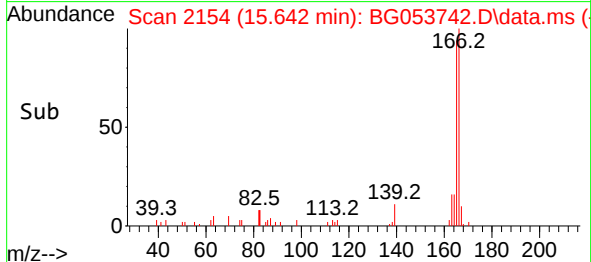
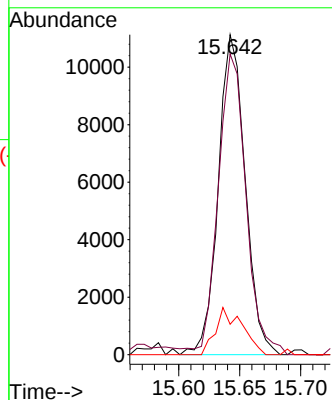
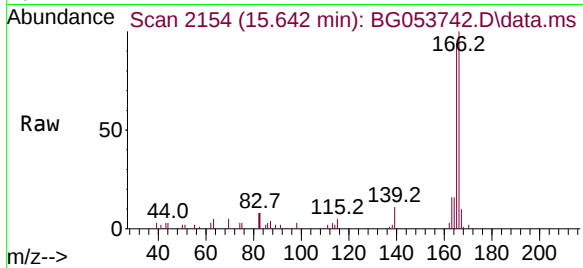




#58
 Fluorene
 Concen: 2.853 ng
 RT: 15.642 min Scan# 2108
 Delta R.T. -0.034 min
 Lab File: BG053742.D
 Acq: 27 May 2022 20:53

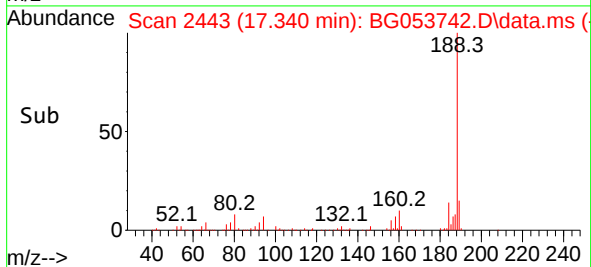
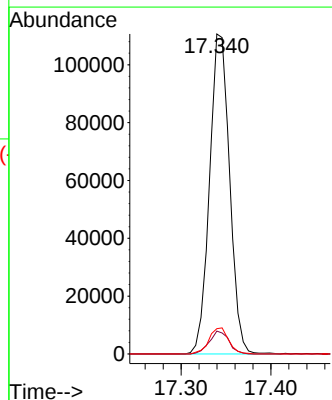
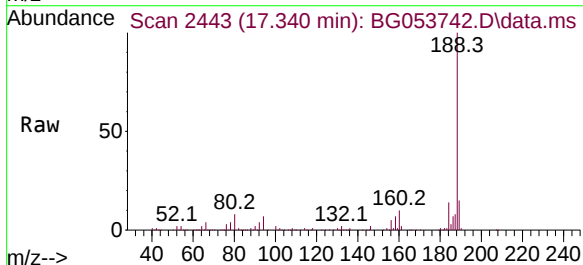
Instrument :
 BNA_G
 ClientSampleId :
 72-11944

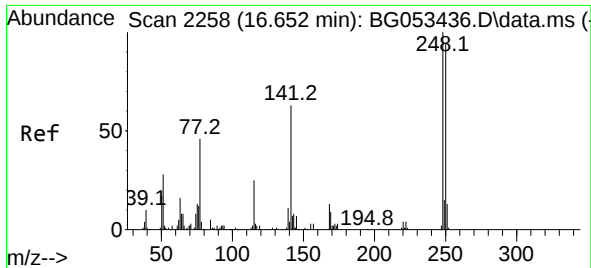
Tgt Ion:166 Resp: 17138
 Ion Ratio Lower Upper
 166 100
 165 93.9 75.0 112.6
 167 9.5 10.8 16.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.340 min Scan# 2443
 Delta R.T. -0.034 min
 Lab File: BG053742.D
 Acq: 27 May 2022 20:53

Tgt Ion:188 Resp: 171841
 Ion Ratio Lower Upper
 188 100
 94 7.2 5.4 8.0
 80 7.9 6.8 10.2

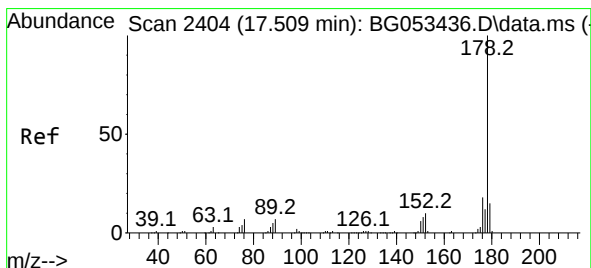
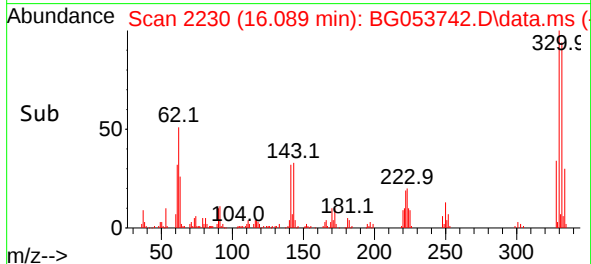
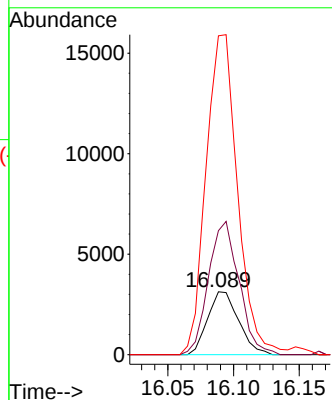
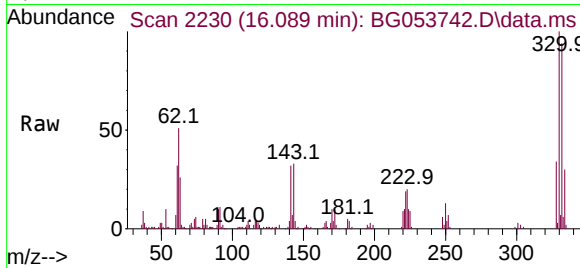




#67
4-Bromophenyl-phenylether
Concen: 2.562 ng
RT: 16.089 min Scan# 21
Delta R.T. -0.463 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

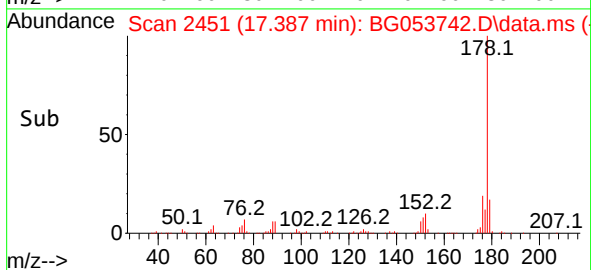
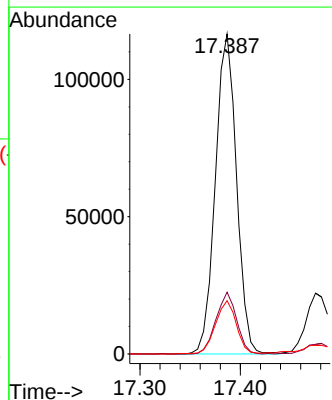
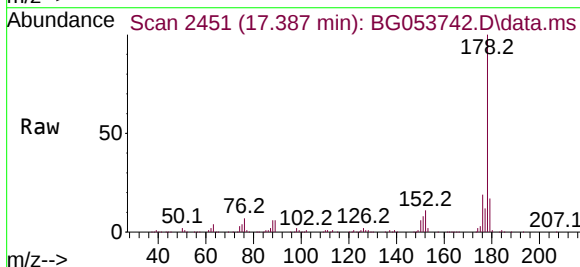
Instrument :
BNA_G
ClientSampleId :
72-11944

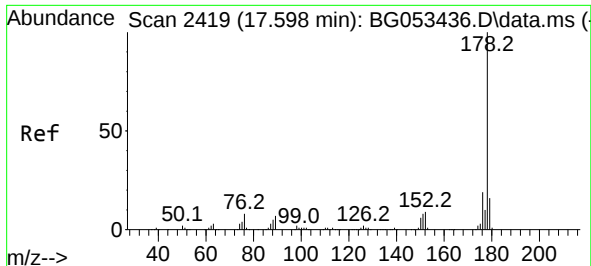
Tgt Ion:248 Resp: 5141
Ion Ratio Lower Upper
248 100
250 197.2 75.2 112.8#
141 506.9 50.0 75.0#



#71
Phenanthrene
Concen: 19.498 ng
RT: 17.387 min Scan# 2451
Delta R.T. -0.028 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Tgt Ion:178 Resp: 170366
Ion Ratio Lower Upper
178 100
176 19.3 14.1 21.1
179 16.7 12.1 18.1

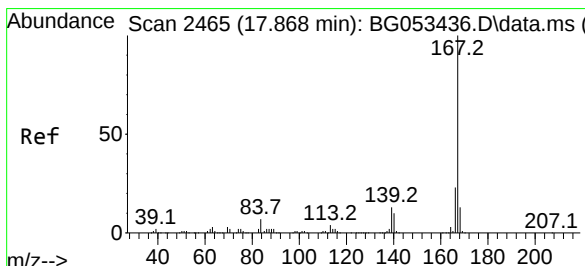
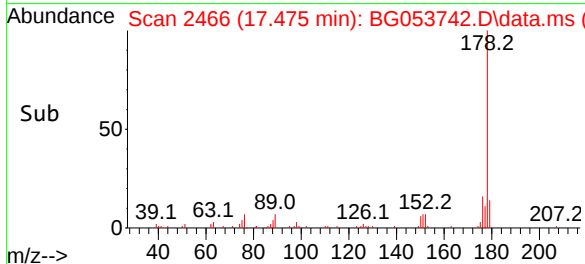
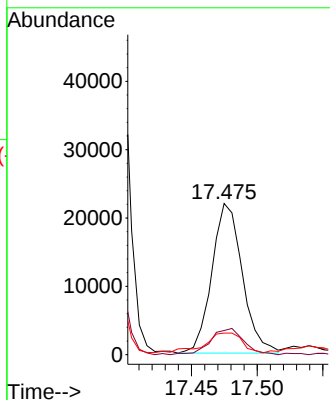
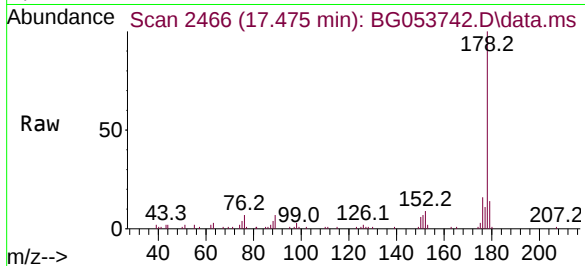




#72
 Anthracene
 Concen: 4.117 ng
 RT: 17.475 min Scan# 2419
 Delta R.T. -0.028 min
 Lab File: BG053742.D
 Acq: 27 May 2022 20:53

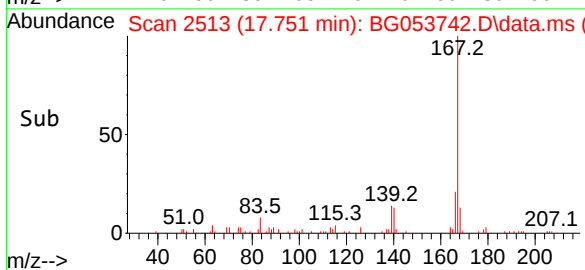
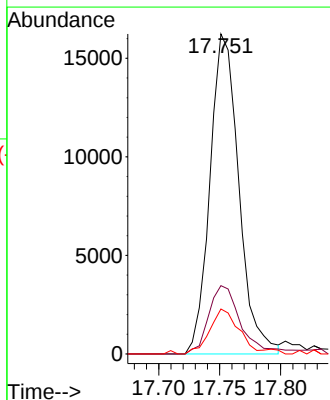
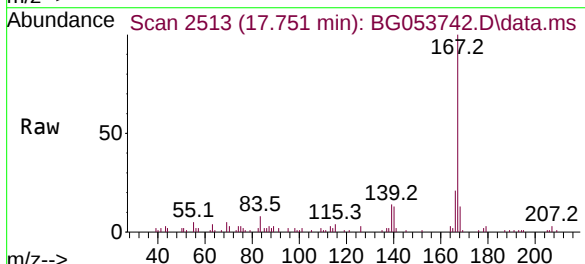
Instrument :
 BNA_G
 ClientSampleId :
 72-11944

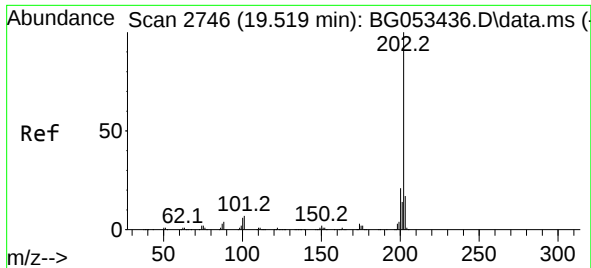
Tgt Ion:178 Resp: 35358
 Ion Ratio Lower Upper
 178 100
 176 16.0 15.2 22.8
 179 14.3 13.0 19.4



#73
 Carbazole
 Concen: 3.180 ng
 RT: 17.751 min Scan# 2513
 Delta R.T. -0.028 min
 Lab File: BG053742.D
 Acq: 27 May 2022 20:53

Tgt Ion:167 Resp: 26768
 Ion Ratio Lower Upper
 167 100
 166 21.4 18.2 27.2
 139 14.1 10.1 15.1

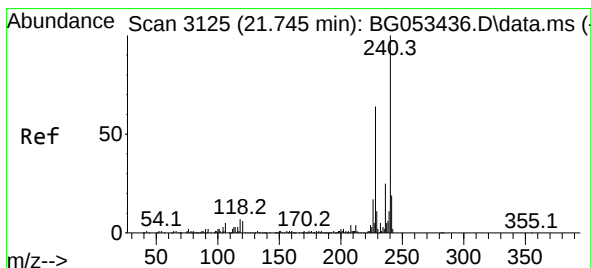
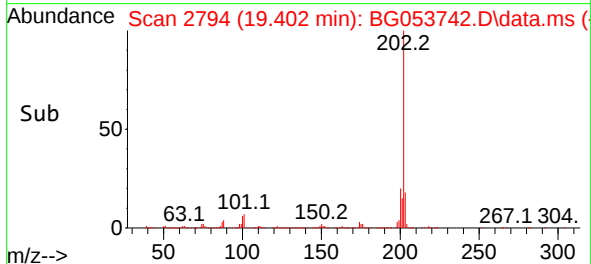
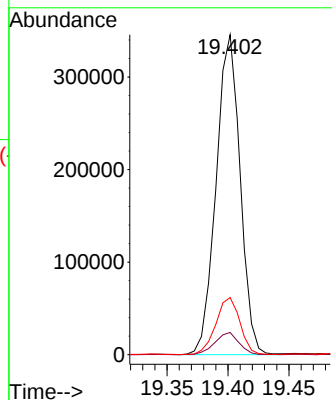
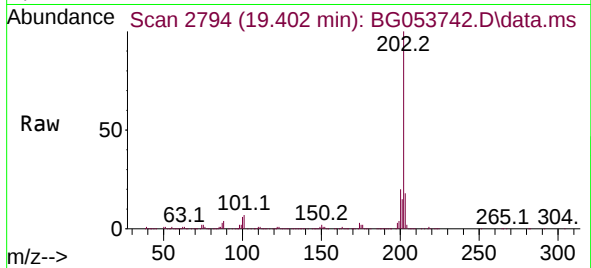




#75
Fluoranthene
Concen: 41.915 ng
RT: 19.402 min Scan# 21
Delta R.T. -0.022 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

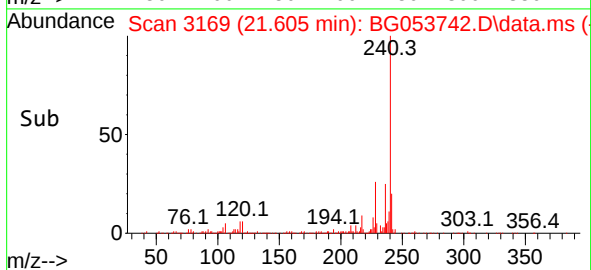
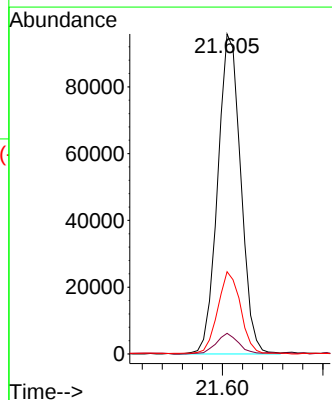
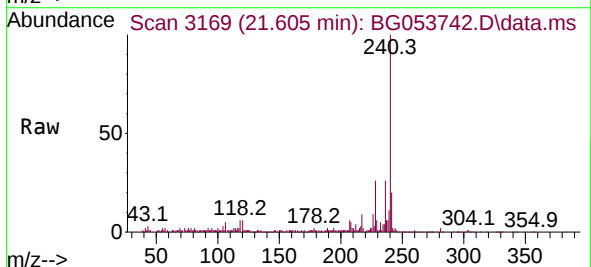
Instrument :
BNA_G
ClientSampleId :
72-11944

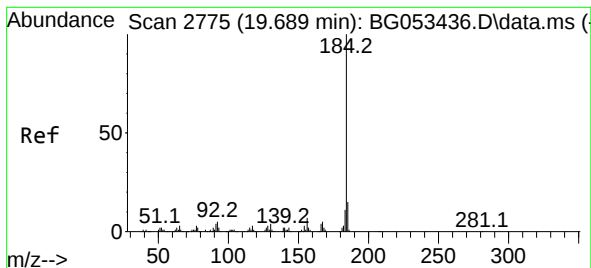
Tgt Ion:202 Resp: 474214
Ion Ratio Lower Upper
202 100
101 7.0 0.0 26.9
203 17.9 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.605 min Scan# 3169
Delta R.T. -0.034 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Tgt Ion:240 Resp: 152845
Ion Ratio Lower Upper
240 100
120 6.4 4.6 7.0
236 25.7 20.2 30.4





#77

Benzidine

Concen: 2.087 ng

RT: 19.954 min Scan# 21

Delta R.T. 0.354 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

Instrument :

BNA_G

ClientSampleId :

72-11944

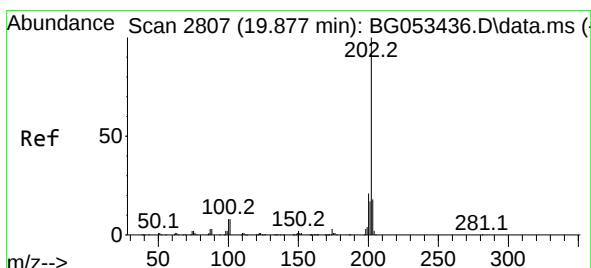
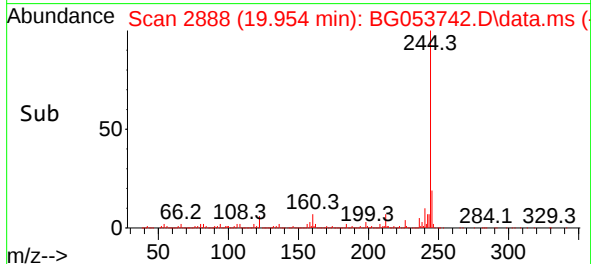
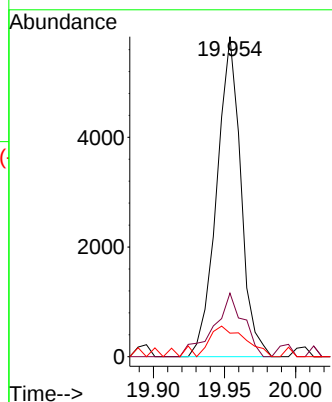
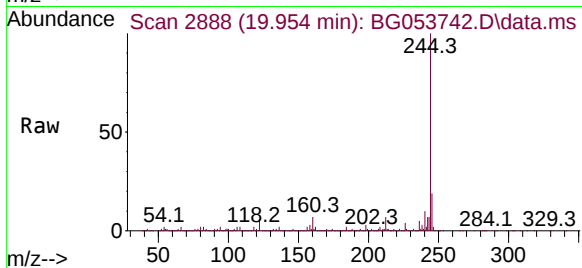
Tgt Ion:184 Resp: 6875

Ion Ratio Lower Upper

184 100

185 19.9 11.8 17.6#

183 7.3 8.9 13.3#



#78

Pyrene

Concen: 35.681 ng

RT: 19.760 min Scan# 2855

Delta R.T. -0.028 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

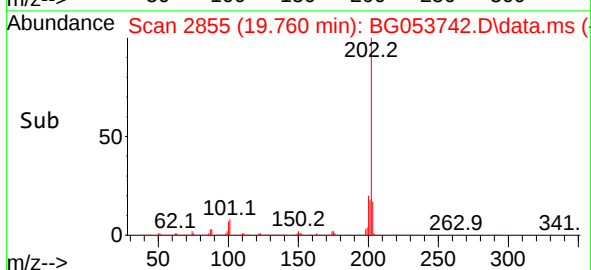
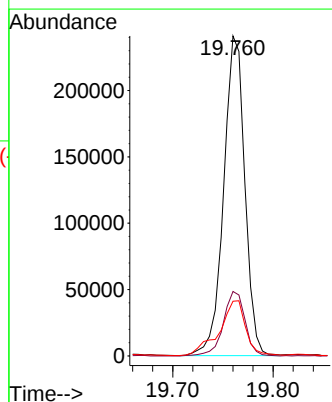
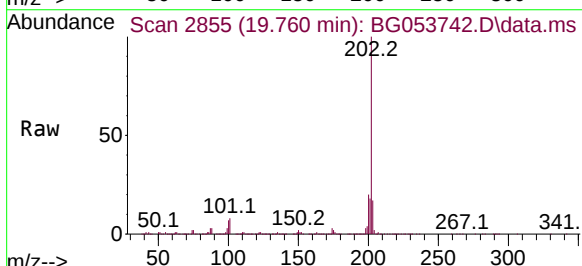
Tgt Ion:202 Resp: 353047

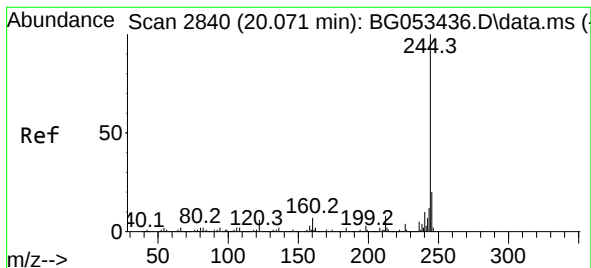
Ion Ratio Lower Upper

202 100

200 20.1 16.6 24.8

203 17.1 14.6 21.8





#79

Terphenyl-d14

Concen: 49.157 ng

RT: 19.954 min Scan# 21

Delta R.T. -0.022 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

Instrument :

BNA_G

ClientSampleId :

72-11944

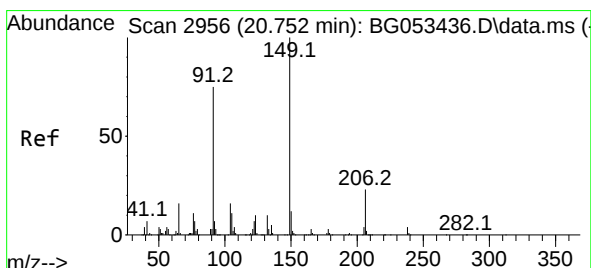
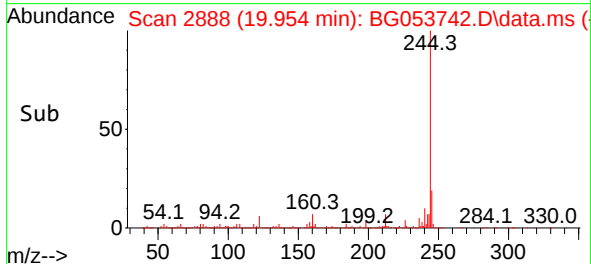
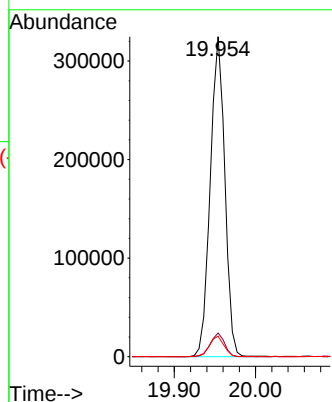
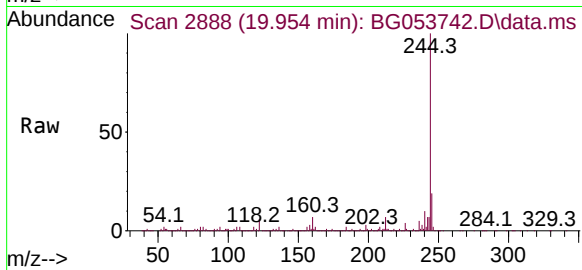
Tgt Ion:244 Resp: 403414

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

122 6.4 5.0 7.4



#80

Butylbenzylphthalate

Concen: 2.623 ng

RT: 20.635 min Scan# 3004

Delta R.T. -0.028 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

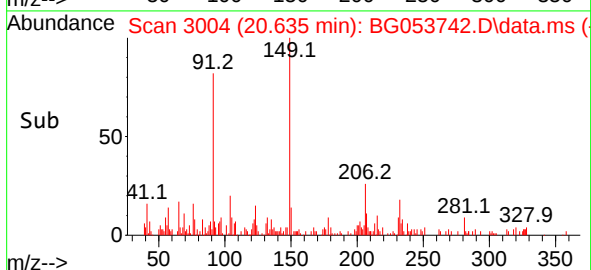
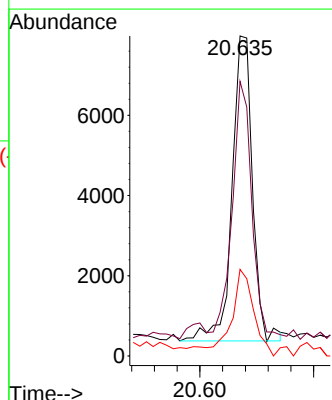
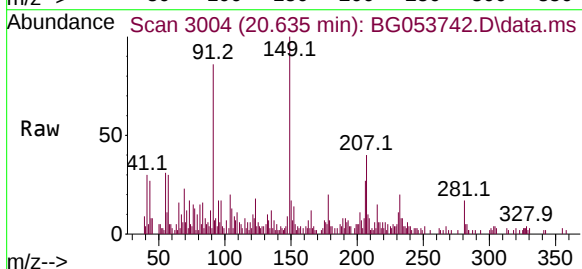
Tgt Ion:149 Resp: 9516

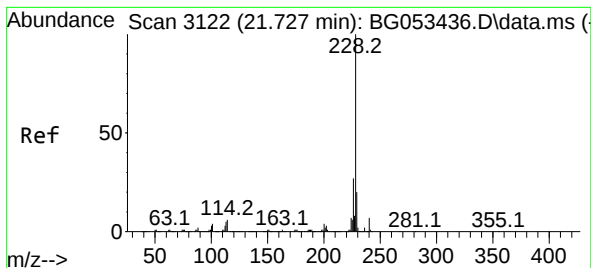
Ion Ratio Lower Upper

149 100

91 85.8 59.6 89.4

206 27.1 18.6 28.0





#81

Benzo(a)anthracene

Concen: 12.953 ng

RT: 21.587 min Scan# 3116

Delta R.T. -0.028 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

Instrument :

BNA_G

ClientSampleId :

72-11944

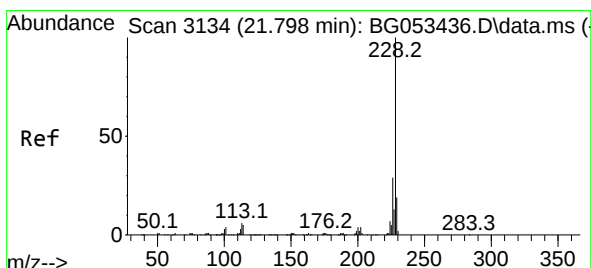
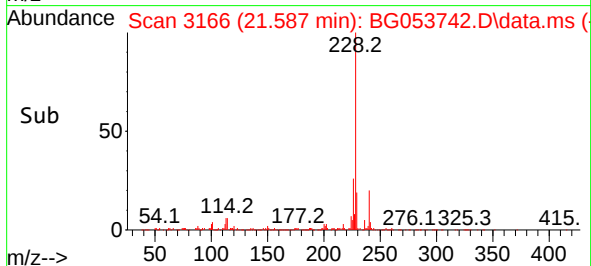
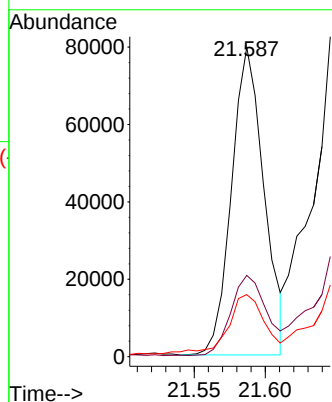
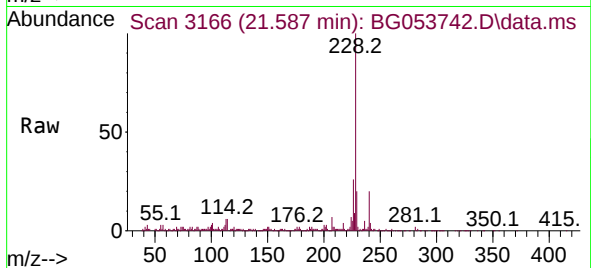
Tgt Ion:228 Resp: 126273

Ion Ratio Lower Upper

228 100

226 26.3 21.6 32.4

229 20.0 16.2 24.2



#83

Chrysene

Concen: 21.097 ng

RT: 21.652 min Scan# 3177

Delta R.T. -0.034 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

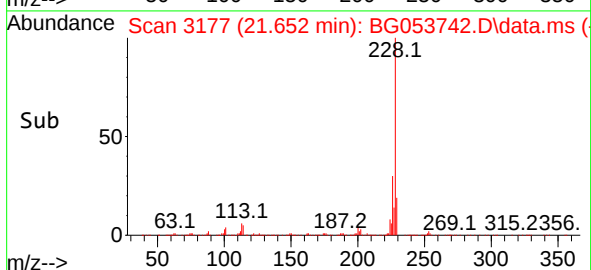
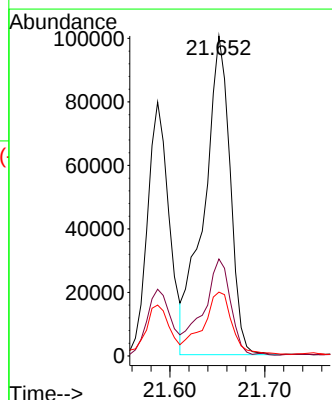
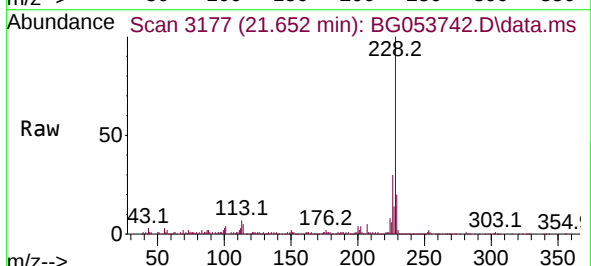
Tgt Ion:228 Resp: 192089

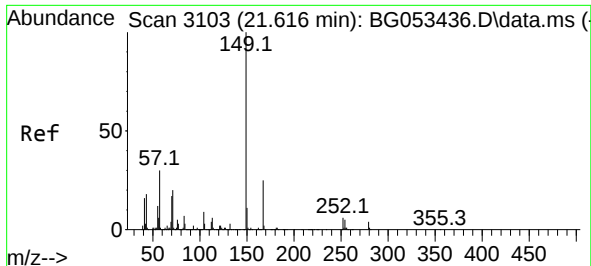
Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

229 20.0 15.5 23.3

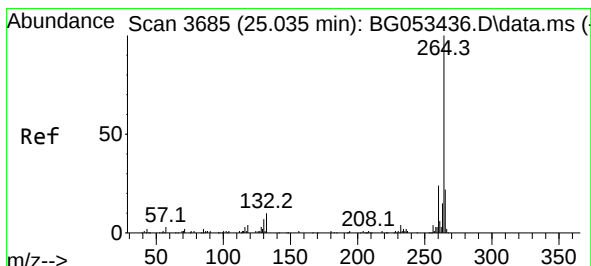
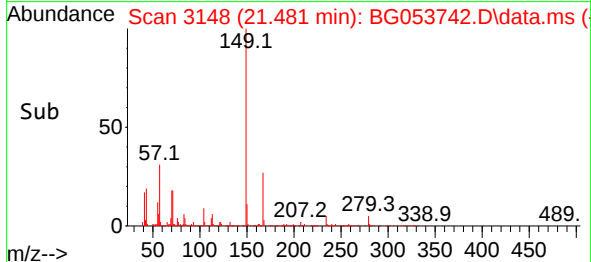
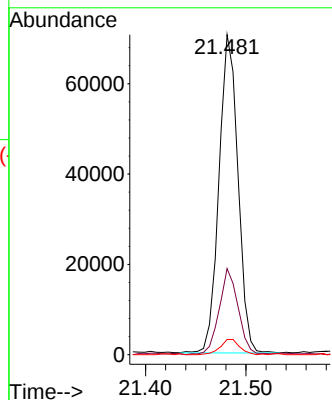
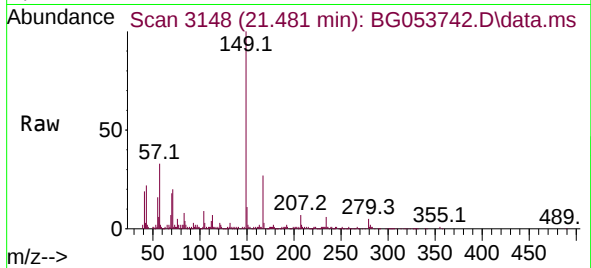




#84
Bis(2-ethylhexyl)phthalate
Concen: 18.474 ng
RT: 21.481 min Scan# 3103
Delta R.T. -0.028 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

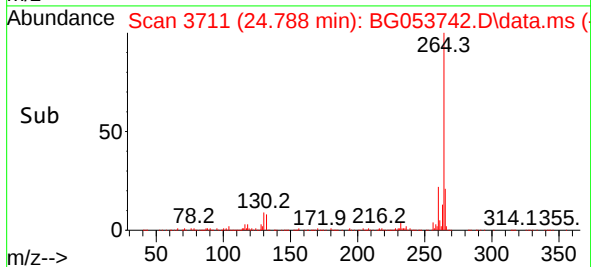
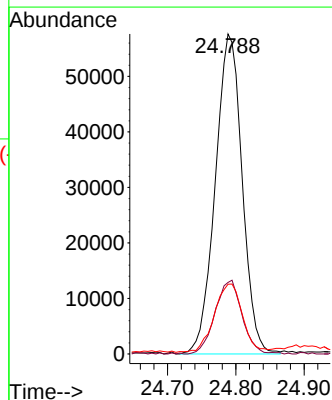
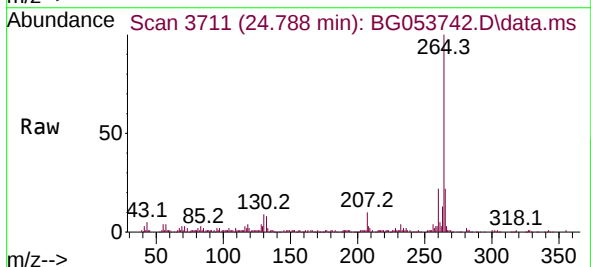
Instrument :
BNA_G
ClientSampleId :
72-11944

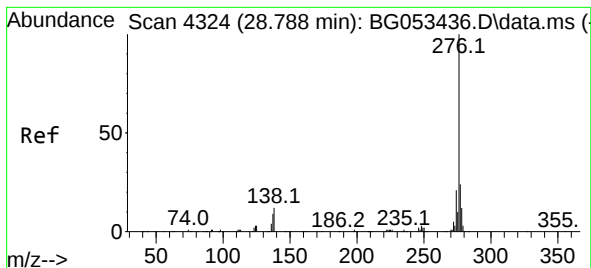
Tgt Ion:149 Resp: 92515
Ion Ratio Lower Upper
149 100
167 26.9 20.2 30.4
279 4.8 3.6 5.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.788 min Scan# 3711
Delta R.T. -0.051 min
Lab File: BG053742.D
Acq: 27 May 2022 20:53

Tgt Ion:264 Resp: 158178
Ion Ratio Lower Upper
264 100
260 22.4 19.0 28.6
265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.708 ng

RT: 28.431 min Scan# 41

Delta R.T. -0.081 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

Instrument :

BNA_G

ClientSampleId :

72-11944

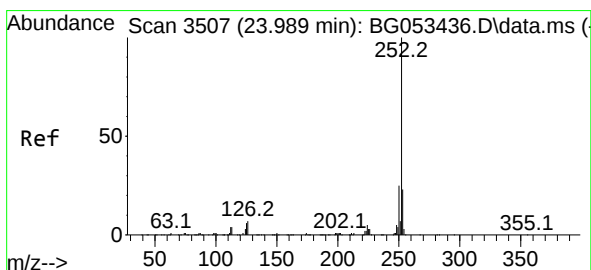
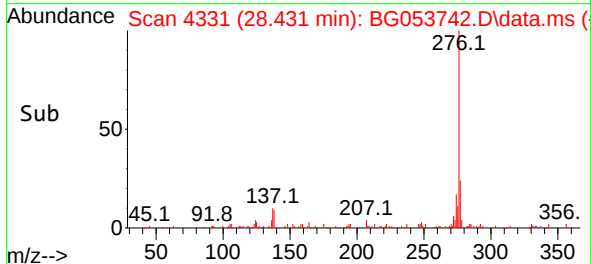
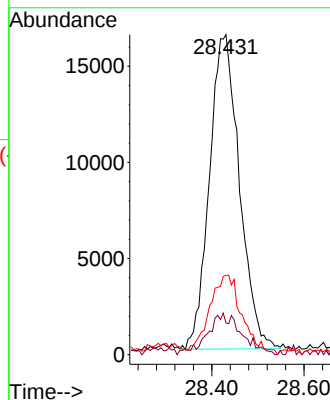
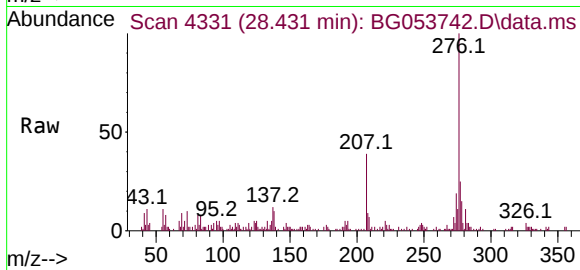
Tgt Ion:276 Resp: 73898

Ion Ratio Lower Upper

276 100

138 9.0 5.0 7.4#

277 27.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 24.511 ng

RT: 23.784 min Scan# 3540

Delta R.T. -0.040 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

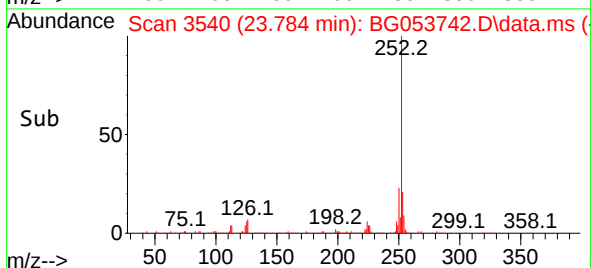
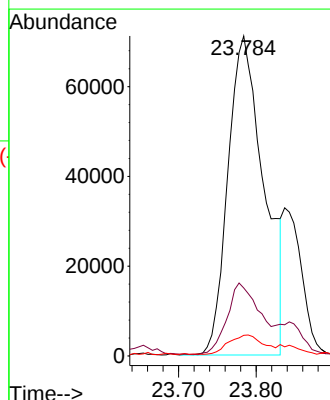
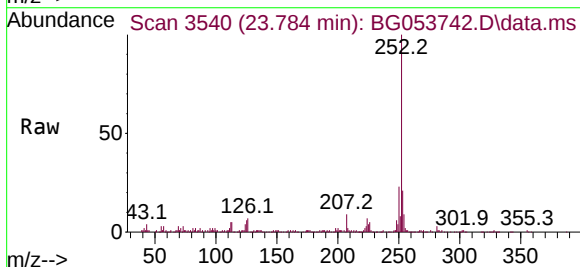
Tgt Ion:252 Resp: 229494

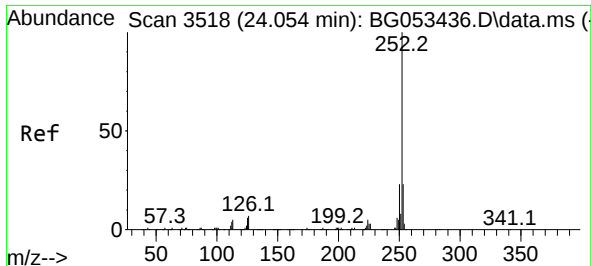
Ion Ratio Lower Upper

252 100

253 21.2 18.0 27.0

125 6.5 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 24.944 ng

RT: 23.784 min Scan# 3

Delta R.T. -0.104 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

Instrument :

BNA_G

ClientSampleId :

72-11944

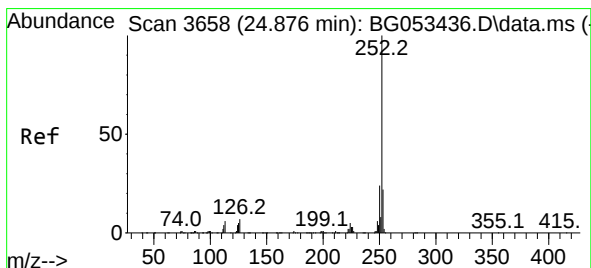
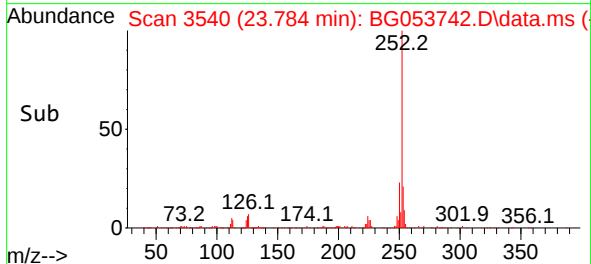
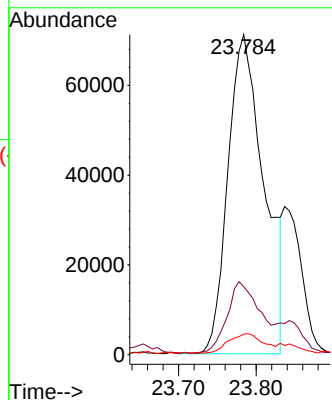
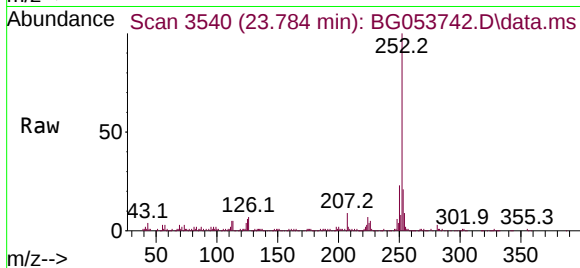
Tgt Ion:252 Resp: 229494

Ion Ratio Lower Upper

252 100

253 21.2 18.4 27.6

125 6.5 4.8 7.2



#90

Benzo(a)pyrene

Concen: 11.973 ng

RT: 24.636 min Scan# 3685

Delta R.T. -0.051 min

Lab File: BG053742.D

Acq: 27 May 2022 20:53

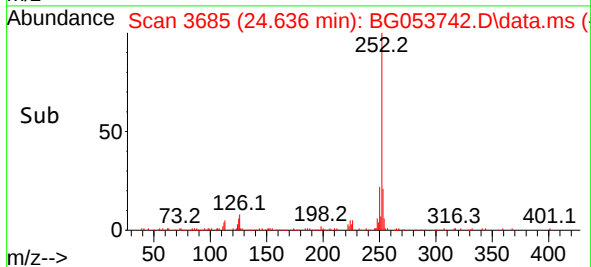
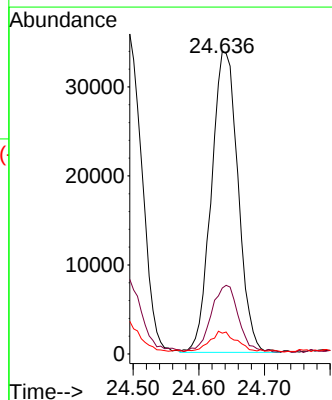
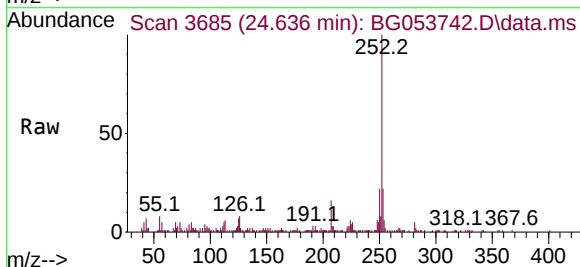
Tgt Ion:252 Resp: 95418

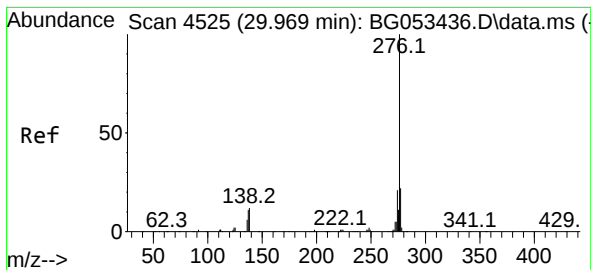
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 6.9 4.3 6.5#





#92

Benzo(g,h,i)perylene

Concen: 8.325 ng

RT: 29.564 min Scan# 4

Delta R.T. -0.087 min

Lab File: BG053742.D

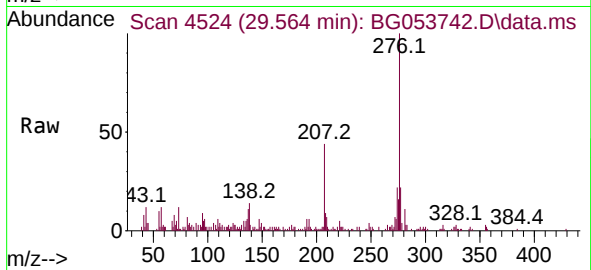
Acq: 27 May 2022 20:53

Instrument :

BNA_G

ClientSampleId :

72-11944



Tgt Ion:276 Resp: 74910

Ion Ratio Lower Upper

276 100

277 22.2 17.3 25.9

138 14.1 9.6 14.4

