

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052822\
 Data File : BG053761.D
 Acq On : 28 May 2022 21:51
 Operator : CG/JU
 Sample : N3072-03DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124035DL

Quant Time: May 29 02:20:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun May 29 02:17:06 2022
 Response via : Initial Calibration

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

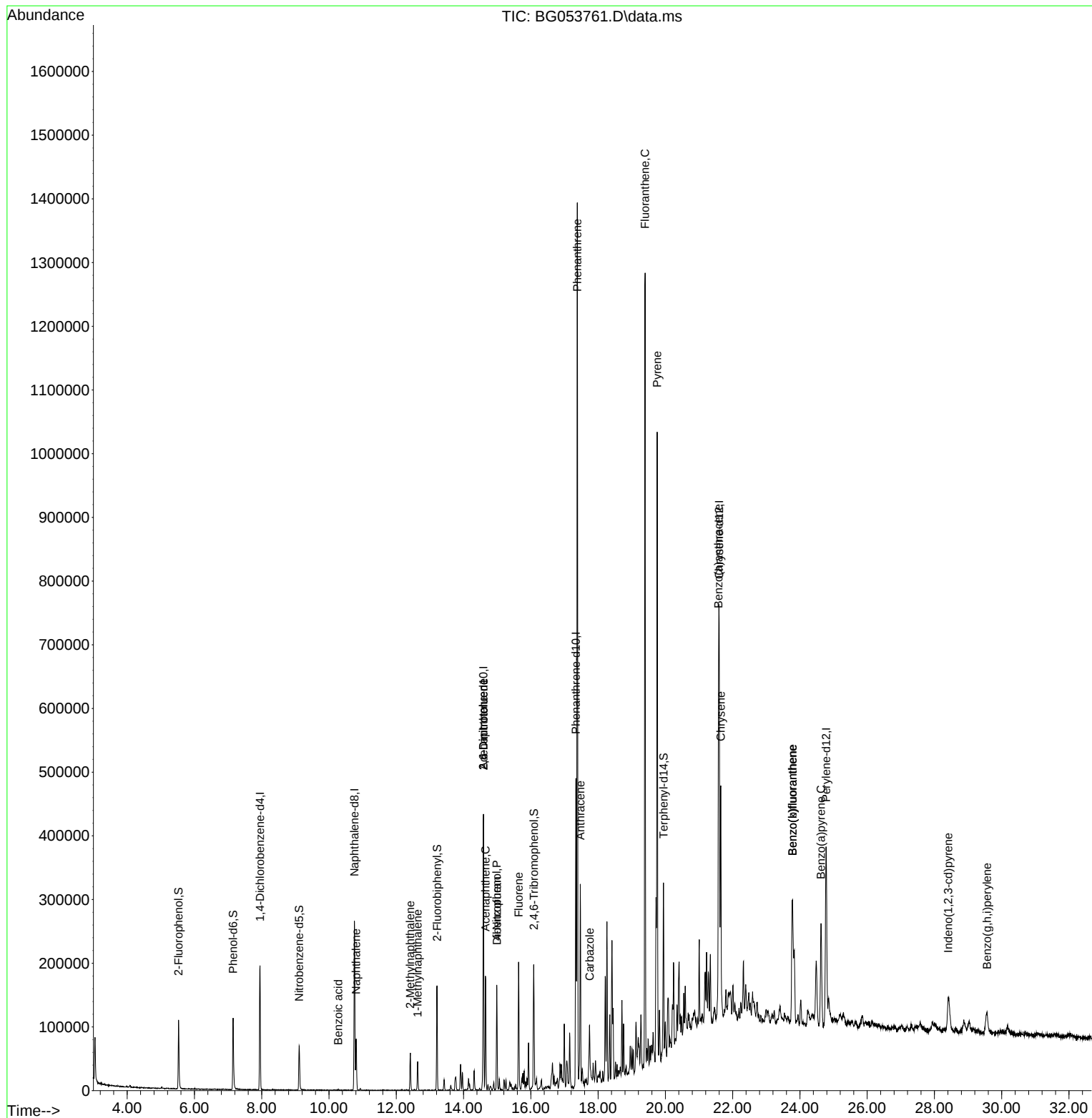
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	56435	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	223562	20.000	ng	0.00
39) Acenaphthene-d10	14.593	164	155706	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	318951	20.000	ng	0.00
76) Chrysene-d12	21.601	240	289181	20.000	ng	# 0.00
86) Perylene-d12	24.779	264	301391	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	50791	15.274	ng	0.00
7) Phenol-d6	7.150	99	74817	14.825	ng	0.00
23) Nitrobenzene-d5	9.112	82	51886	9.880	ng	0.00
42) 2,4,6-Tribromophenol	16.091	330	28534	12.425	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	90716	8.514	ng	0.00
79) Terphenyl-d14	19.945	244	114776	7.392	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.810	128	69873	6.144	ng	97
32) Benzoic acid	10.276	122	142	8.546	ng	# 23
37) 2-Methylnaphthalene	12.420	142	28182	3.321	ng	95
38) 1-Methylnaphthalene	12.637	142	21129	2.552	ng	89
51) 2,6-Dinitrotoluene	14.593	165	21327	8.847	ng	# 18
52) Acenaphthene	14.652	154	66690	8.433	ng	98
55) Dibenzofuran	14.993	168	102845	7.241	ng	96
56) 4-Nitrophenol	14.987	139	37388	20.097	ng	# 1
57) 2,4-Dinitrotoluene	14.593	165	21327	6.104	ng	# 23
58) Fluorene	15.639	166	88277	7.745	ng	94
71) Phenanthrene	17.384	178	850727	52.456	ng	96
72) Anthracene	17.472	178	207318	13.005	ng	98
73) Carbazole	17.748	167	61446	3.933	ng	99
75) Fluoranthene	19.399	202	807086	38.434	ng	96
78) Pyrene	19.757	202	633484	33.840	ng	99
81) Benzo(a)anthracene	21.584	228	324095	17.571	ng	98
83) Chrysene	21.648	228	253298	14.704	ng	96
87) Indeno(1,2,3-cd)pyrene	28.410	276	91615	4.364	ng	# 93
88) Benzo(b)fluoranthene	23.781	252	252080	14.130	ng	# 93
89) Benzo(k)fluoranthene	23.781	252	252080	14.379	ng	# 94
90) Benzo(a)pyrene	24.627	252	184291	12.137	ng	# 96
92) Benzo(g,h,i)perylene	29.567	276	71048	4.144	ng	95

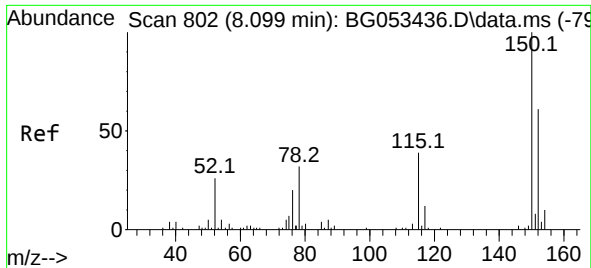
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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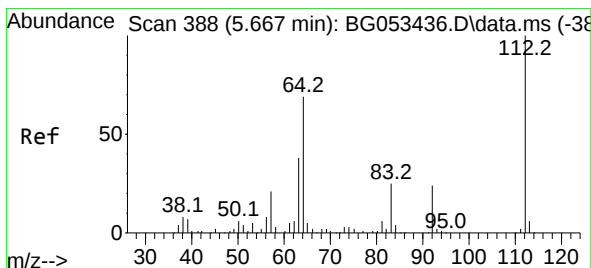
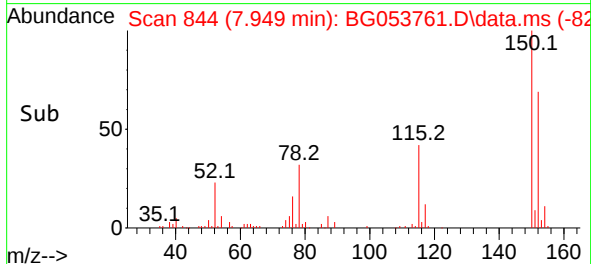
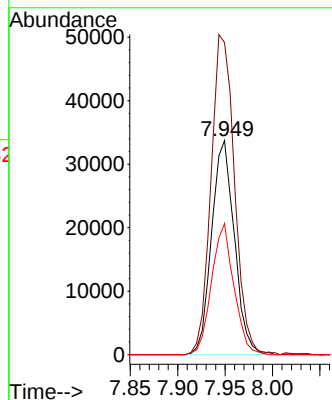
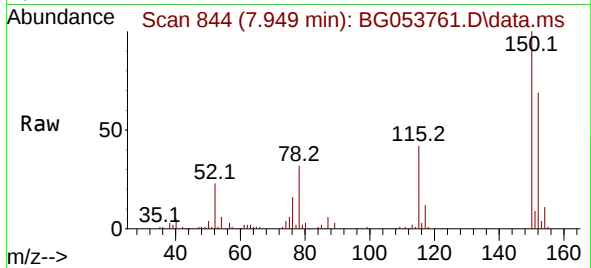




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.949 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

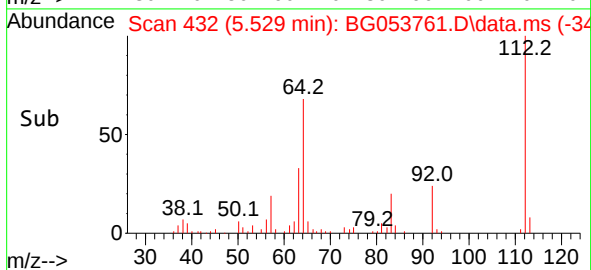
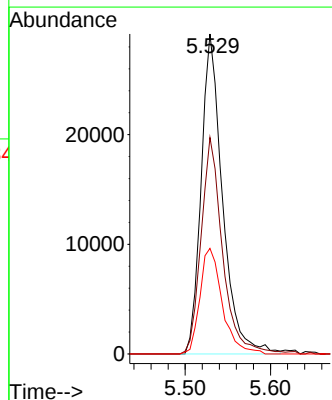
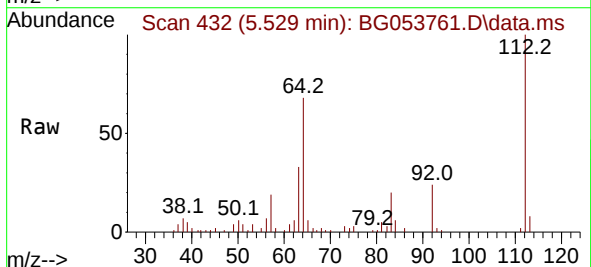
Instrument :
BNA_G
ClientSampleId :
PSC-124035DL

Tgt Ion:152 Resp: 56435
Ion Ratio Lower Upper
152 100
150 145.8 131.6 197.4
115 61.3 50.9 76.3



#5
2-Fluorophenol
Concen: 15.274 ng
RT: 5.529 min Scan# 432
Delta R.T. 0.004 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Tgt Ion:112 Resp: 50791
Ion Ratio Lower Upper
112 100
64 67.7 55.1 82.7
63 33.0 30.4 45.6

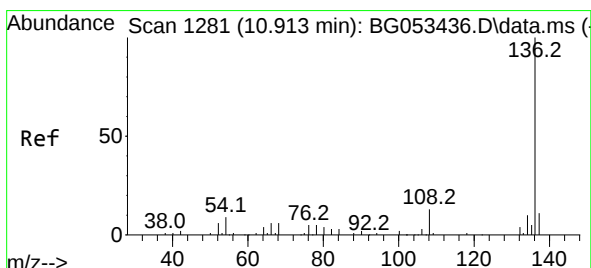
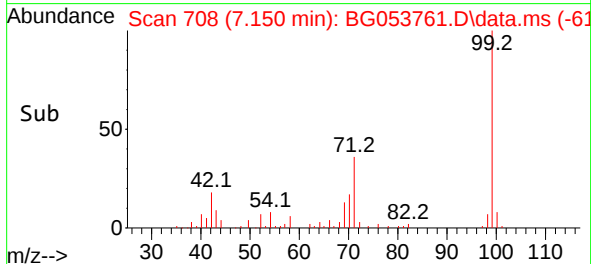
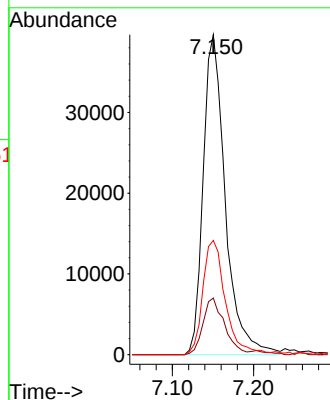
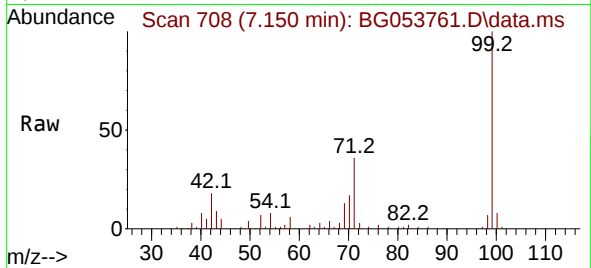




#7
Phenol-d6
Concen: 14.825 ng
RT: 7.150 min Scan# 70
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

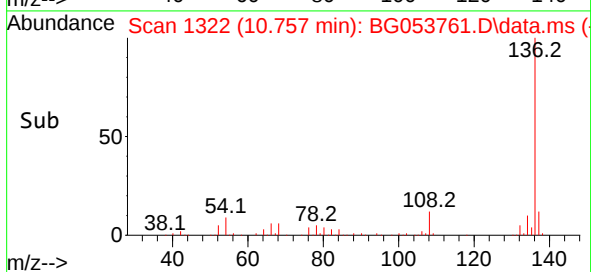
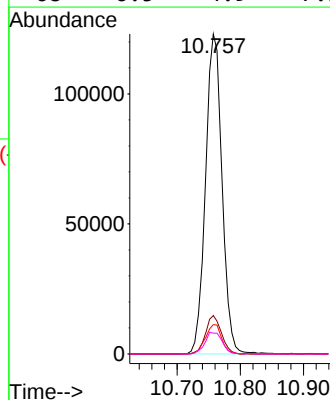
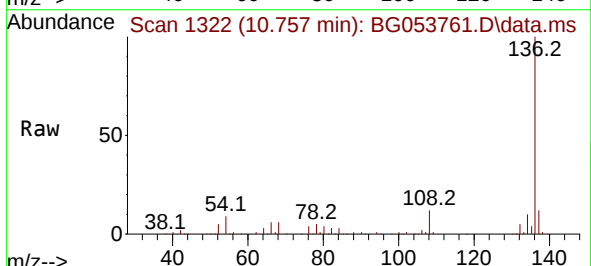
Instrument :
BNA_G
ClientSampleId :
PSC-124035DL

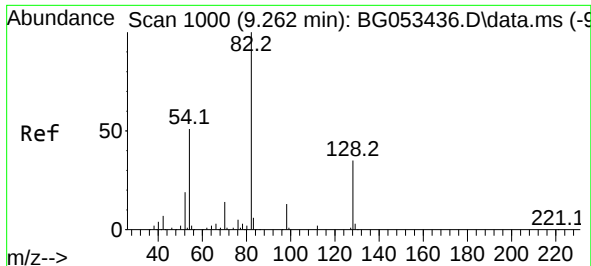
Tgt Ion: 99 Resp: 74817
Ion Ratio Lower Upper
99 100
42 17.7 17.0 25.6
71 35.7 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1322
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Tgt Ion: 136 Resp: 223562
Ion Ratio Lower Upper
136 100
137 12.0 8.5 12.7
54 9.1 7.4 11.2
68 6.5 4.9 7.3





#23

Nitrobenzene-d5

Concen: 9.880 ng

RT: 9.112 min Scan# 1042

Delta R.T. -0.008 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

Instrument :

BNA_G

ClientSampleId :

PSC-124035DL

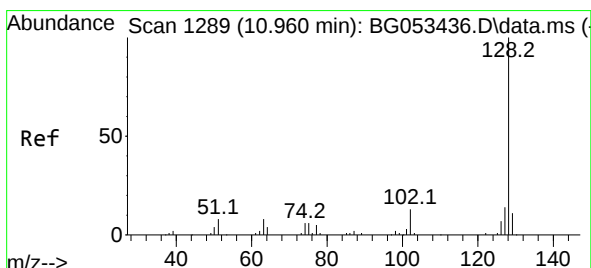
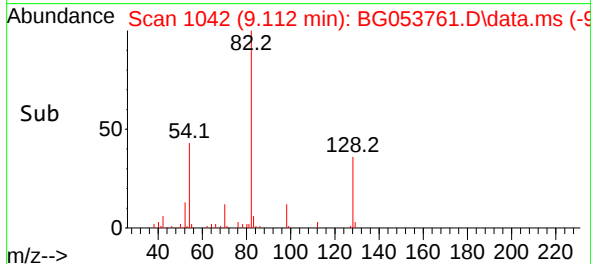
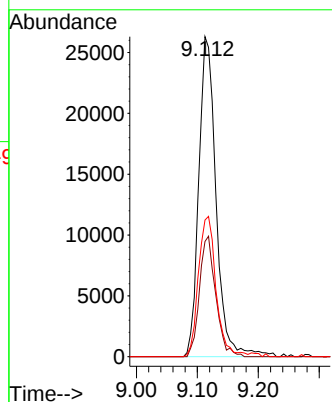
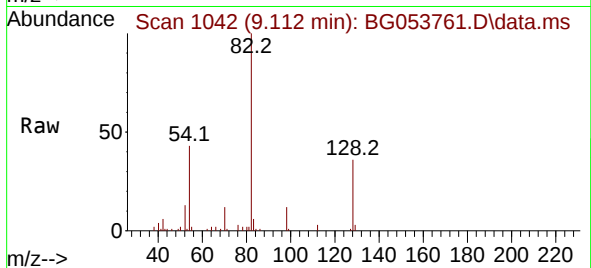
Tgt Ion: 82 Resp: 51886

Ion Ratio Lower Upper

82 100

128 36.0 27.9 41.9

54 42.7 41.2 61.8



#31

Naphthalene

Concen: 6.144 ng

RT: 10.810 min Scan# 1331

Delta R.T. -0.002 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

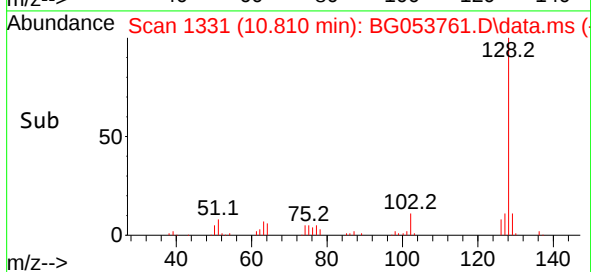
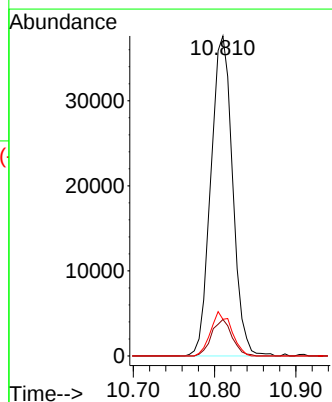
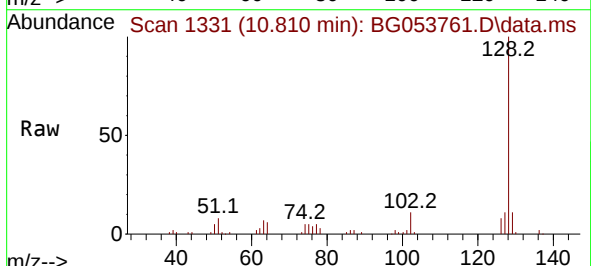
Tgt Ion: 128 Resp: 69873

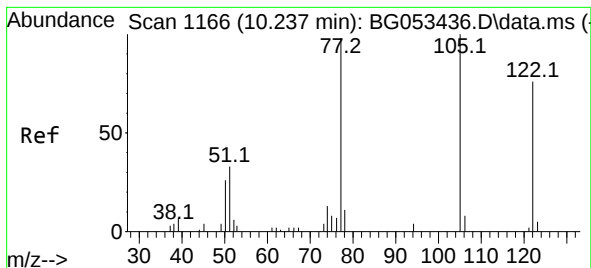
Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

127 11.4 11.1 16.7





#32

Benzoic acid

Concen: 8.546 ng

RT: 10.276 min Scan# 11

Delta R.T. 0.121 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

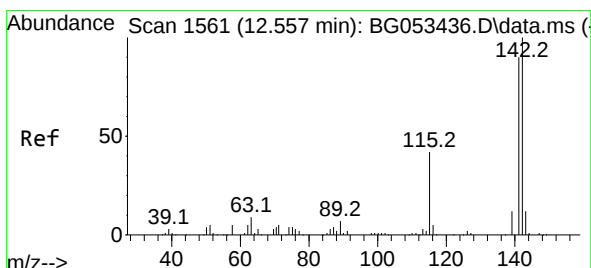
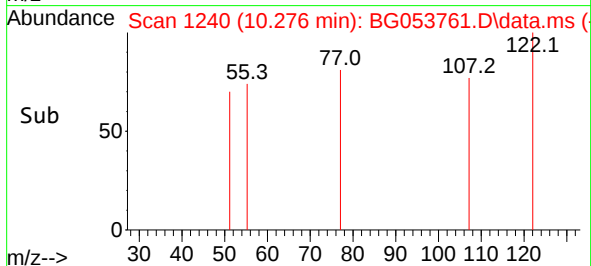
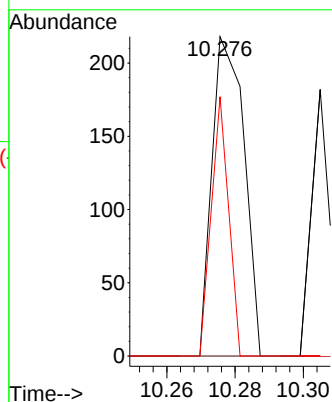
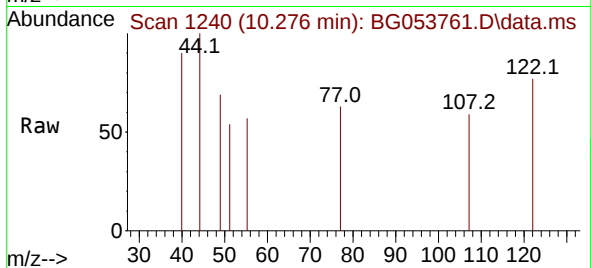
Instrument :

BNA_G

ClientSampleId :

PSC-124035DL

Tgt Ion:122	Resp:	142
Ion	Ratio	Lower Upper
122	100	
105	0.0	111.8 151.8#
77	81.2	109.4 149.4#



#37

2-Methylnaphthalene

Concen: 3.321 ng

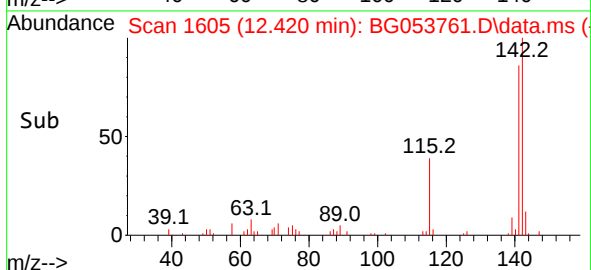
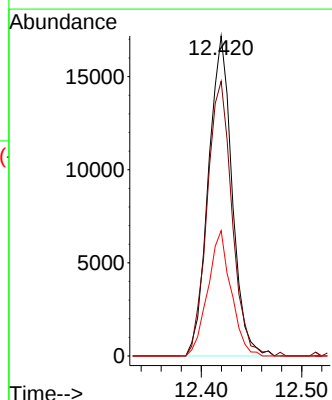
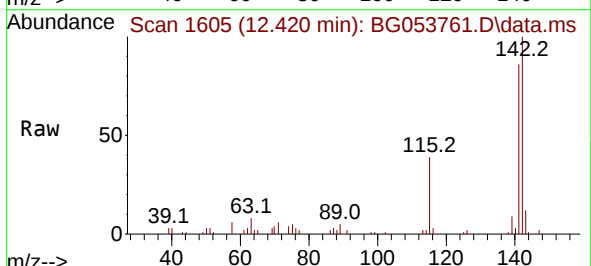
RT: 12.420 min Scan# 1605

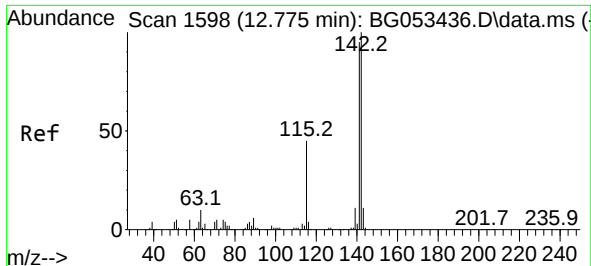
Delta R.T. -0.002 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

Tgt Ion:142	Resp:	28182
Ion	Ratio	Lower Upper
142	100	
141	85.9	72.3 108.5
115	39.2	33.7 50.5

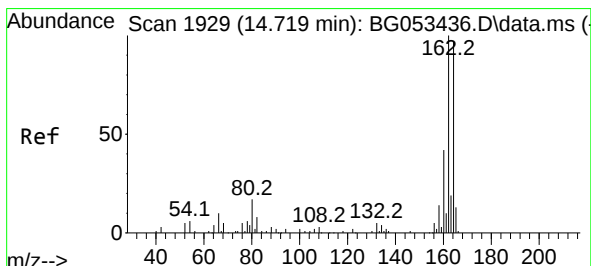
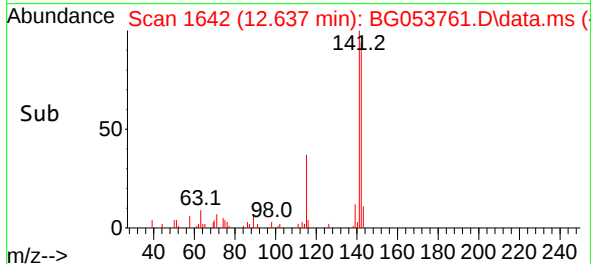
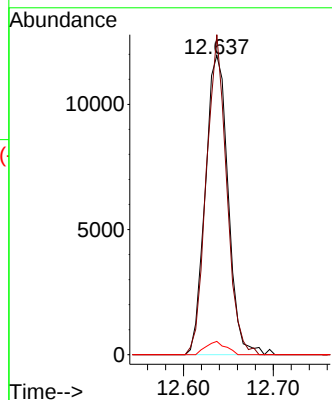
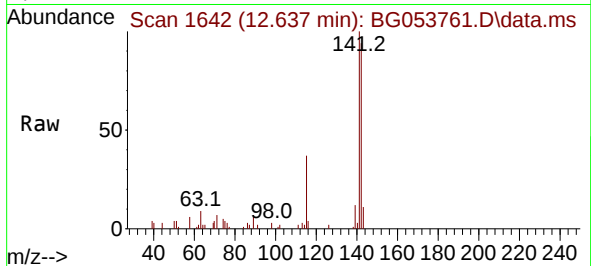




#38
1-Methylnaphthalene
Concen: 2.552 ng
RT: 12.637 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

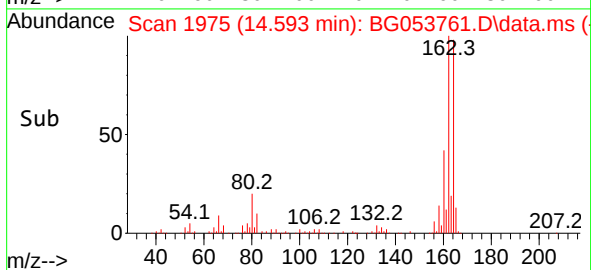
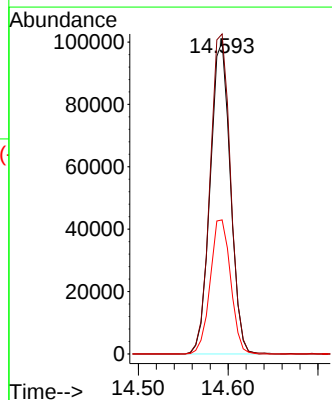
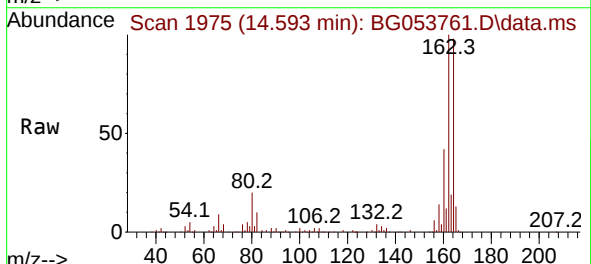
Instrument :
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ClientSampleId :
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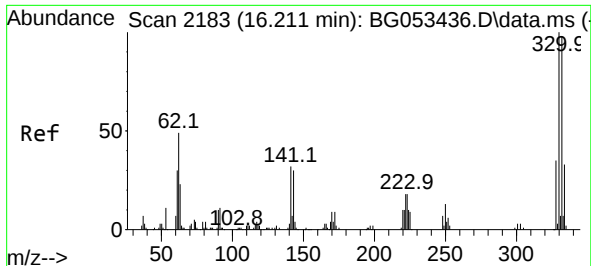
Tgt Ion:142 Resp: 21129
Ion Ratio Lower Upper
142 100
141 106.9 76.4 114.6
116 4.4 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.593 min Scan# 1975
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Tgt Ion:164 Resp: 155706
Ion Ratio Lower Upper
164 100
162 102.4 82.3 123.5
160 42.9 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 12.425 ng

RT: 16.091 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

Instrument :

BNA_G

ClientSampleId :

PSC-124035DL

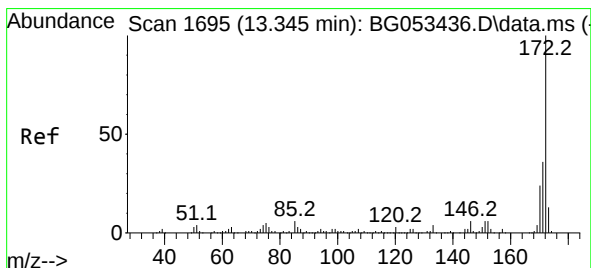
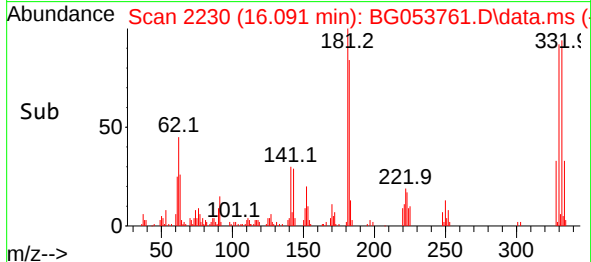
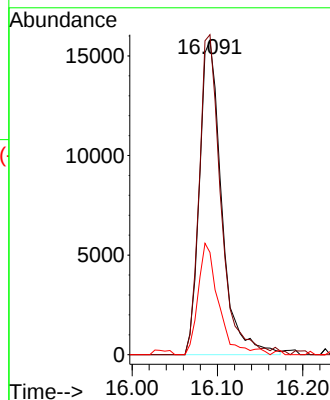
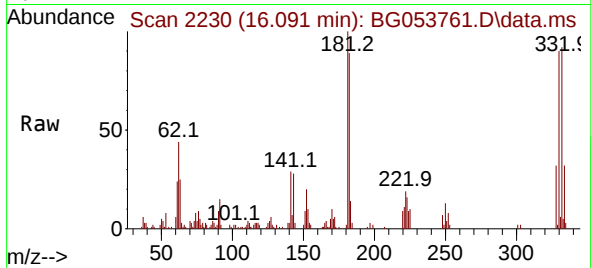
Tgt Ion:330 Resp: 28534

Ion Ratio Lower Upper

330 100

332 99.5 76.0 114.0

141 32.8 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 8.514 ng

RT: 13.213 min Scan# 1740

Delta R.T. -0.002 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

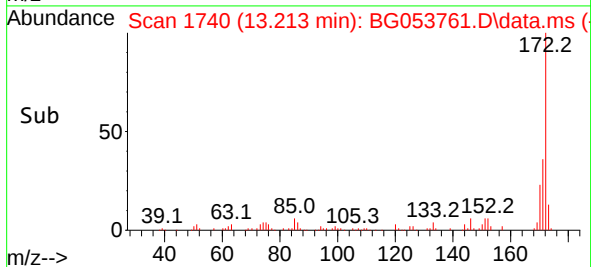
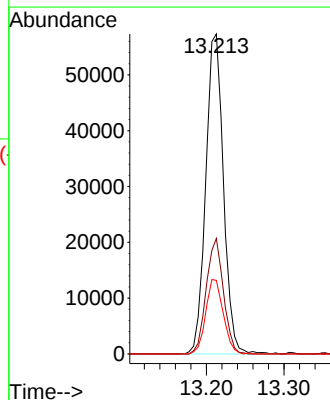
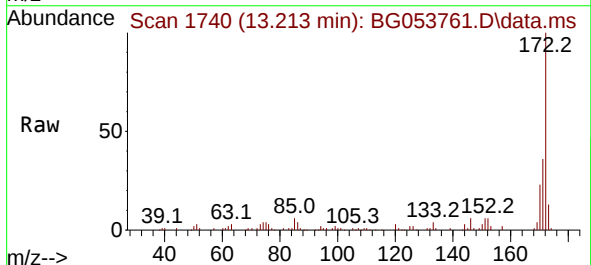
Tgt Ion:172 Resp: 90716

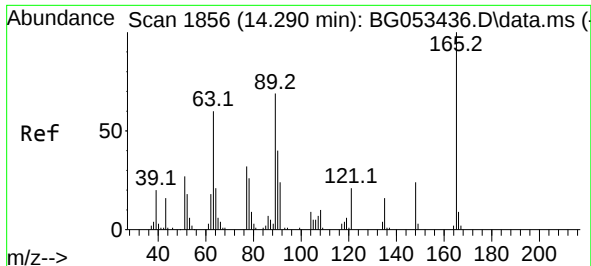
Ion Ratio Lower Upper

172 100

171 36.1 28.5 42.7

170 23.0 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.847 ng

RT: 14.593 min Scan# 1985

Delta R.T. 0.421 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

Instrument :

BNA_G

ClientSampleId :

PSC-124035DL

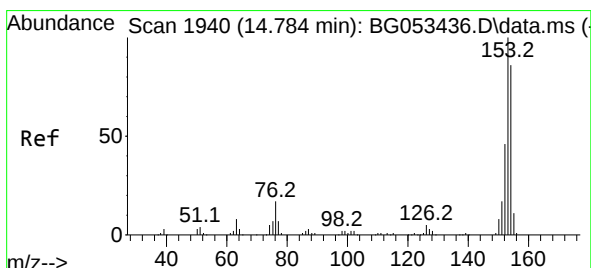
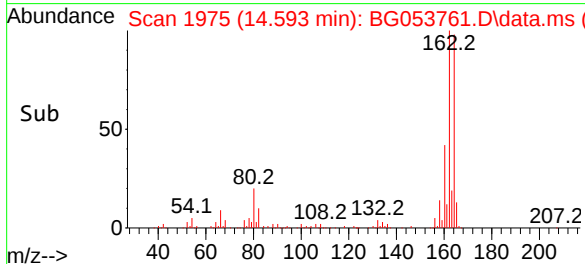
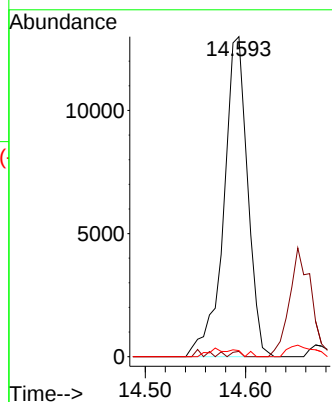
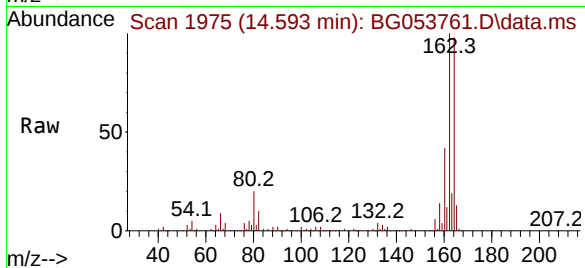
Tgt Ion:165 Resp: 21327

Ion Ratio Lower Upper

165 100

63 1.6 54.1 81.1#

89 1.9 54.8 82.2#



#52

Acenaphthene

Concen: 8.433 ng

RT: 14.652 min Scan# 1985

Delta R.T. -0.008 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

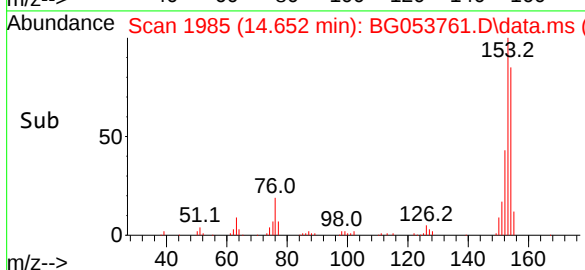
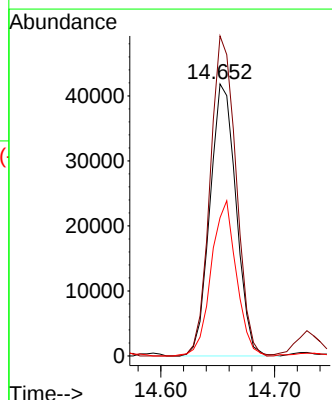
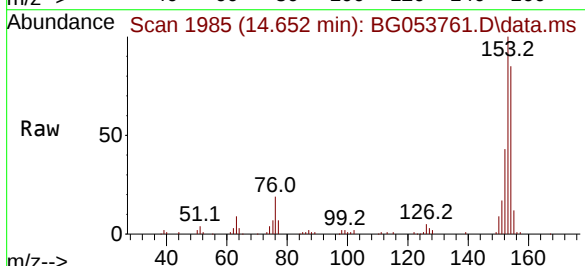
Tgt Ion:154 Resp: 66690

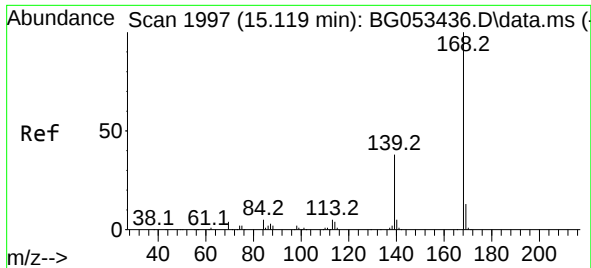
Ion Ratio Lower Upper

154 100

153 117.6 92.7 139.1

152 50.8 42.6 64.0

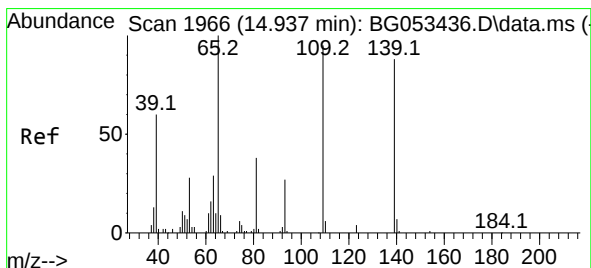
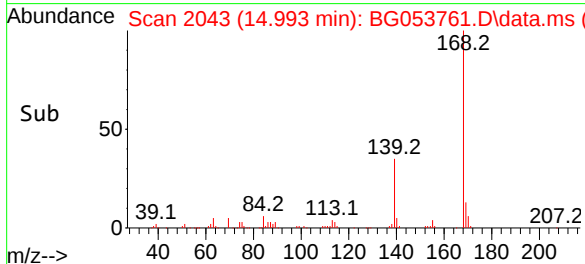
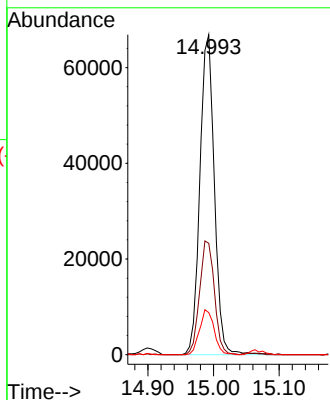
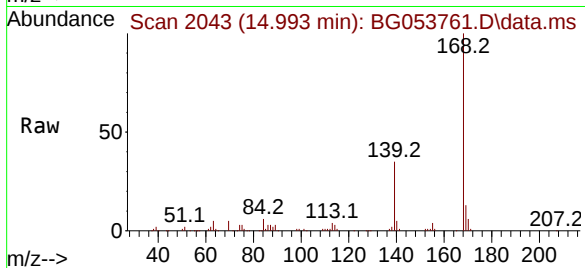




#55
Dibenzenofuran
Concen: 7.241 ng
RT: 14.993 min Scan# 2043
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

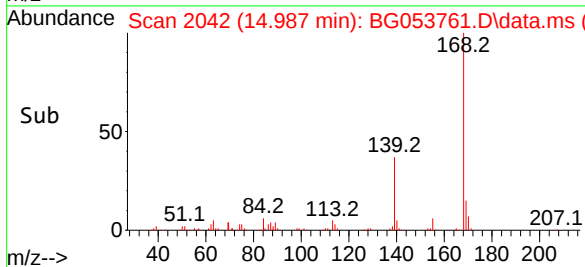
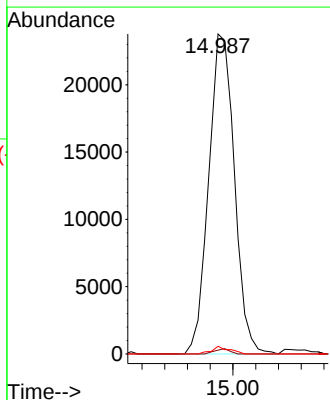
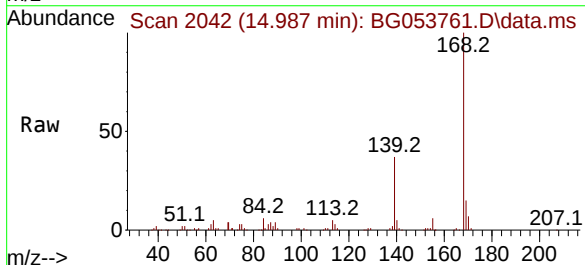
Instrument :
BNA_G
ClientSampleId :
PSC-124035DL

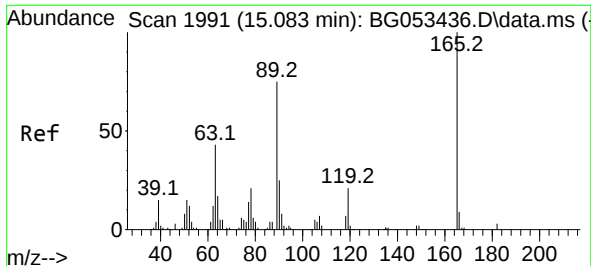
Tgt Ion:168 Resp: 102845
Ion Ratio Lower Upper
168 100
139 34.8 30.5 45.7
169 13.1 10.3 15.5



#56
4-Nitrophenol
Concen: 20.097 ng
RT: 14.987 min Scan# 2042
Delta R.T. 0.115 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Tgt Ion:139 Resp: 37388
Ion Ratio Lower Upper
139 100
109 1.2 88.5 128.5#
65 2.4 93.9 133.9#





#57

2,4-Dinitrotoluene

Concen: 6.104 ng

RT: 14.593 min Scan# 1991

Delta R.T. -0.372 min

Lab File: BG053761.D

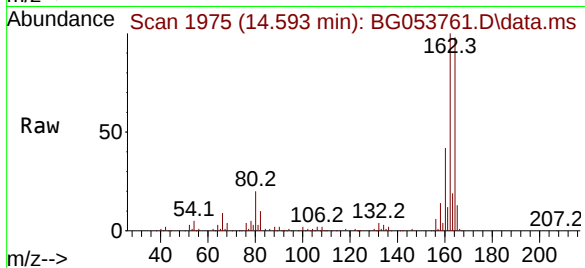
Acq: 28 May 2022 21:51

Instrument :

BNA_G

ClientSampleId :

PSC-124035DL



Tgt Ion:165 Resp: 21327

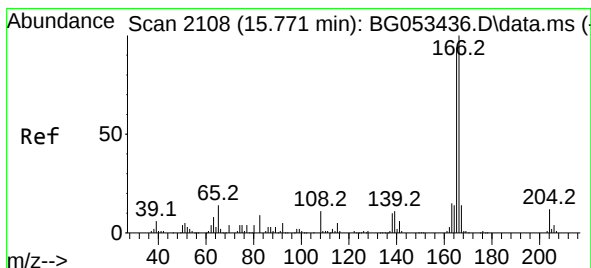
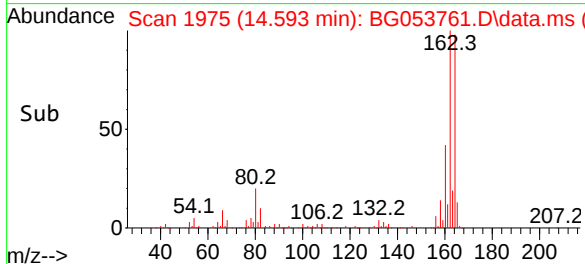
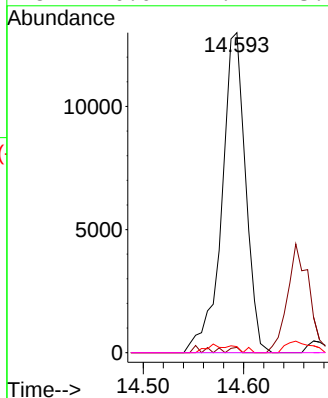
Ion Ratio Lower Upper

165 100

63 1.6 34.6 52.0#

89 1.9 60.3 90.5#

182 0.0 2.2 3.4#



#58

Fluorene

Concen: 7.745 ng

RT: 15.639 min Scan# 2153

Delta R.T. -0.002 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

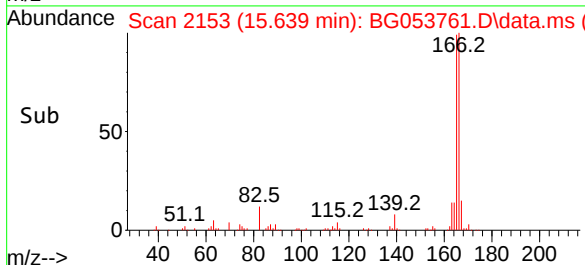
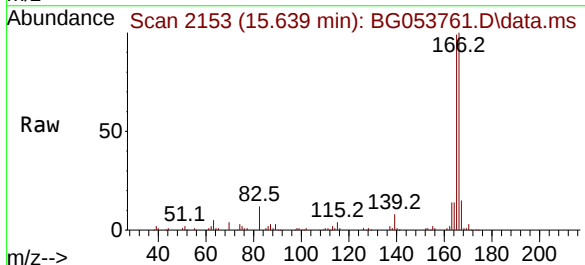
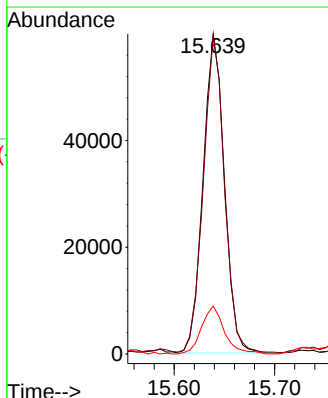
Tgt Ion:166 Resp: 88277

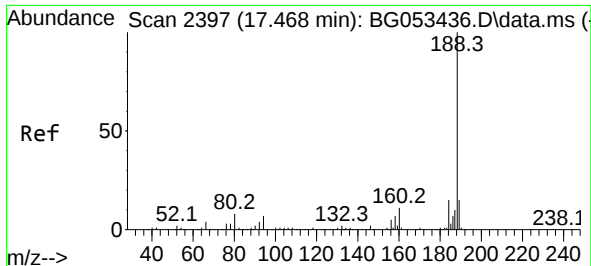
Ion Ratio Lower Upper

166 100

165 99.4 75.0 112.6

167 15.0 10.8 16.2

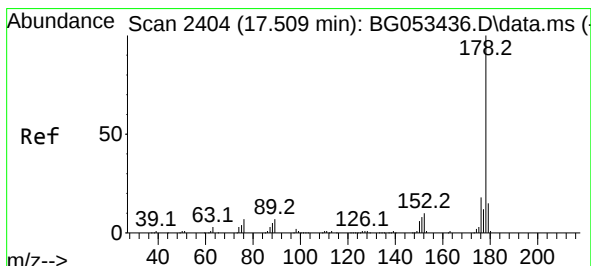
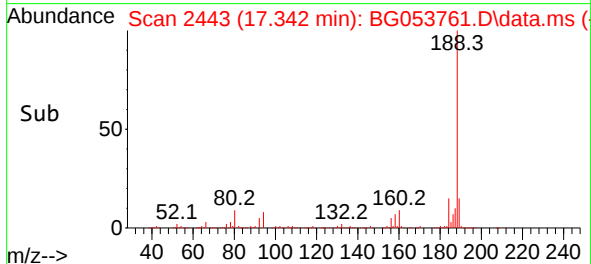
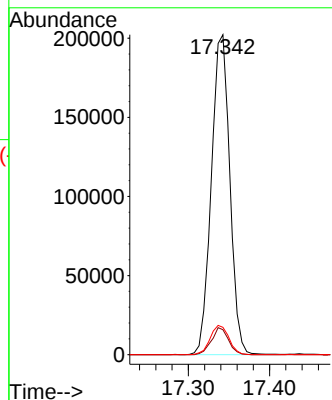
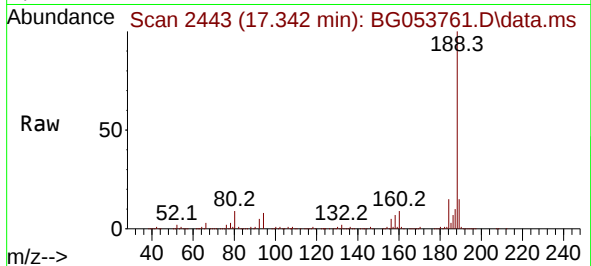




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

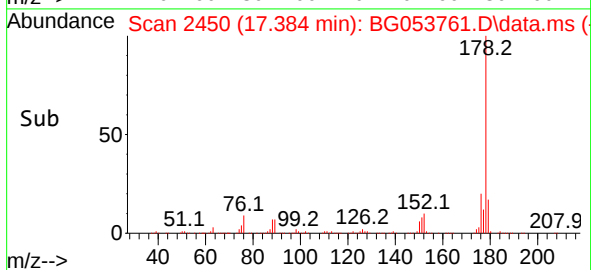
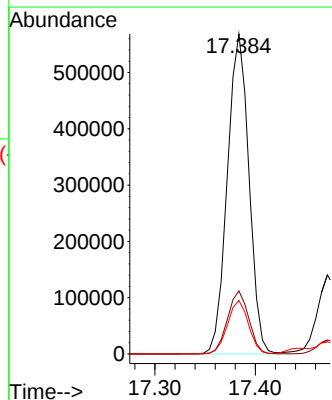
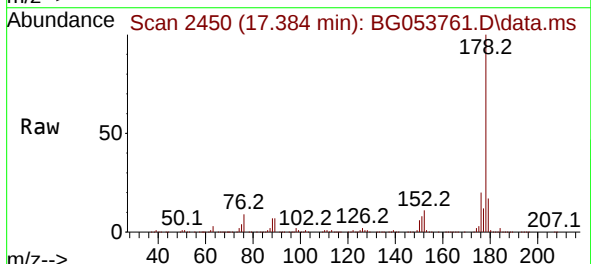
Instrument :
BNA_G
ClientSampleId :
PSC-124035DL

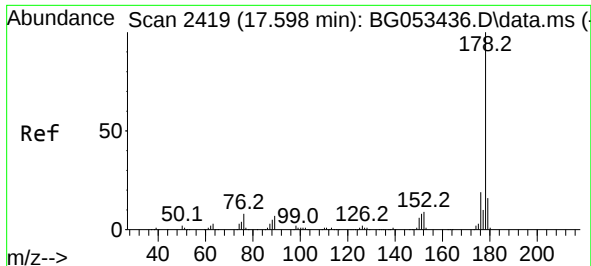
Tgt Ion:188 Resp: 318951
Ion Ratio Lower Upper
188 100
94 7.8 5.4 8.0
80 8.6 6.8 10.2



#71
Phenanthrene
Concen: 52.456 ng
RT: 17.384 min Scan# 2450
Delta R.T. -0.002 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Tgt Ion:178 Resp: 850727
Ion Ratio Lower Upper
178 100
176 19.7 14.1 21.1
179 16.7 12.1 18.1

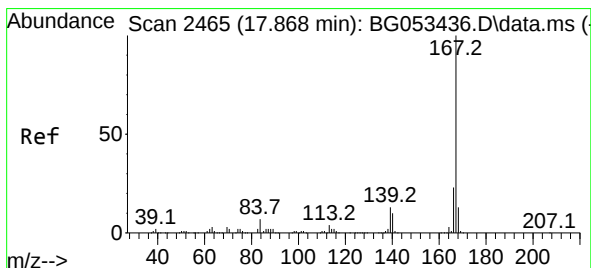
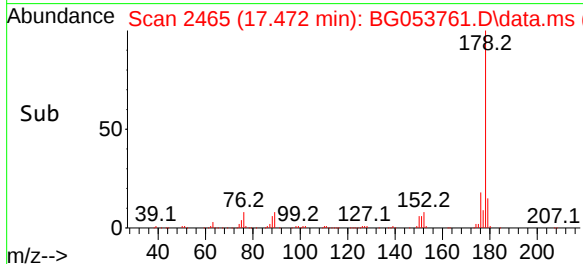
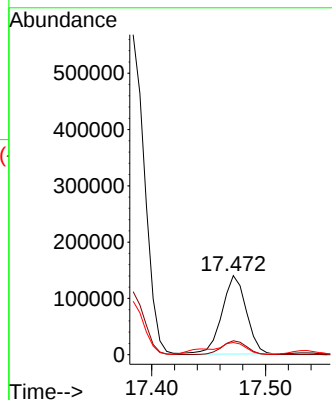
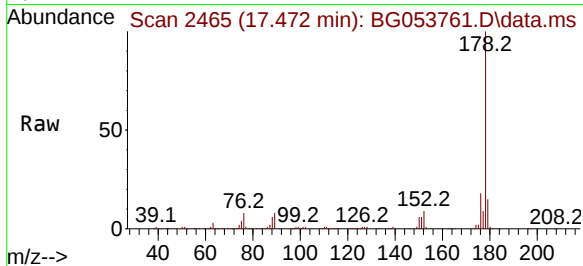




#72
 Anthracene
 Concen: 13.005 ng
 RT: 17.472 min Scan# 2419
 Delta R.T. -0.002 min
 Lab File: BG053761.D
 Acq: 28 May 2022 21:51

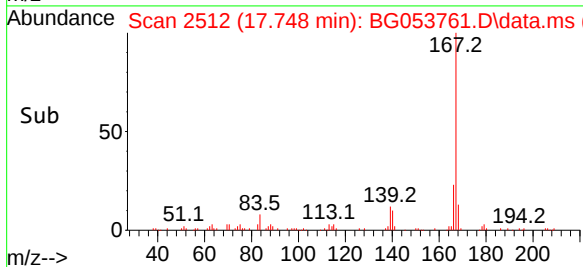
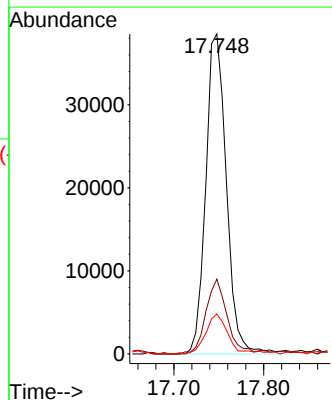
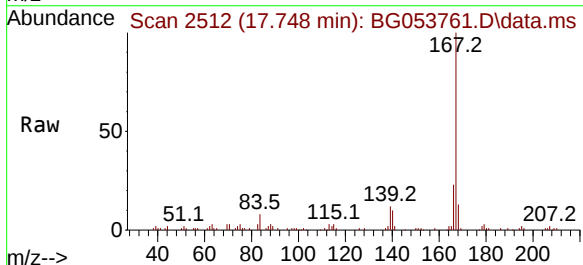
Instrument :
 BNA_G
 ClientSampleId :
 PSC-124035DL

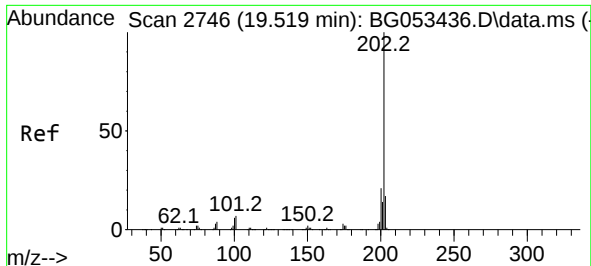
Tgt Ion:178 Resp: 207318
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.2 22.8
 179 15.3 13.0 19.4



#73
 Carbazole
 Concen: 3.933 ng
 RT: 17.748 min Scan# 2512
 Delta R.T. -0.002 min
 Lab File: BG053761.D
 Acq: 28 May 2022 21:51

Tgt Ion:167 Resp: 61446
 Ion Ratio Lower Upper
 167 100
 166 23.4 18.2 27.2
 139 12.5 10.1 15.1

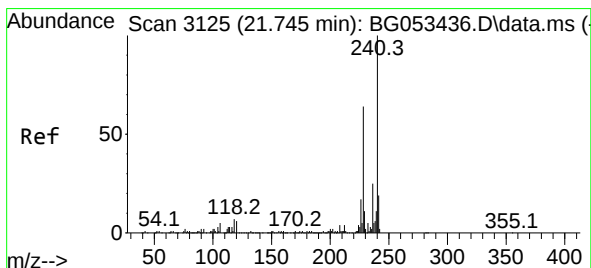
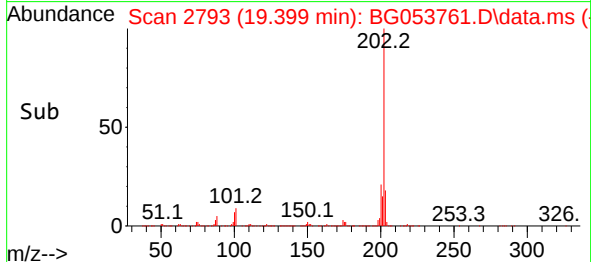
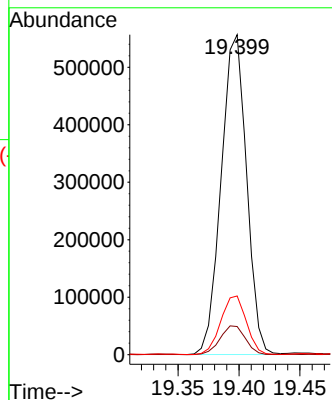
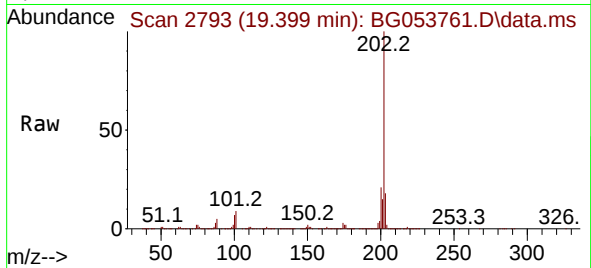




#75
Fluoranthene
Concen: 38.434 ng
RT: 19.399 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

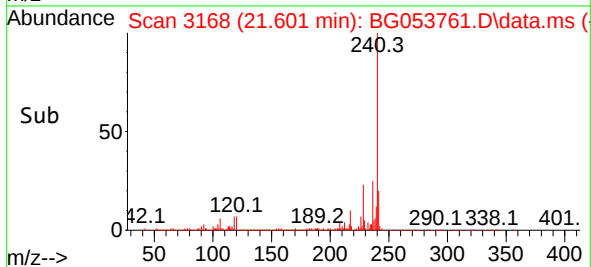
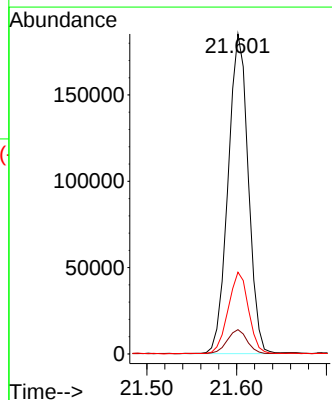
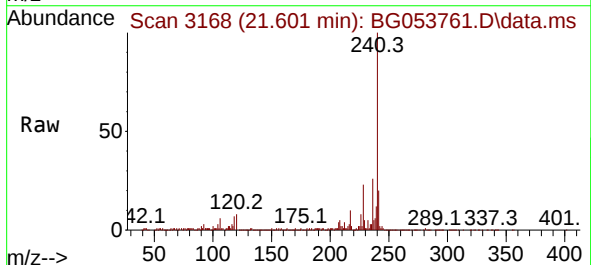
Instrument :
BNA_G
ClientSampleId :
PSC-124035DL

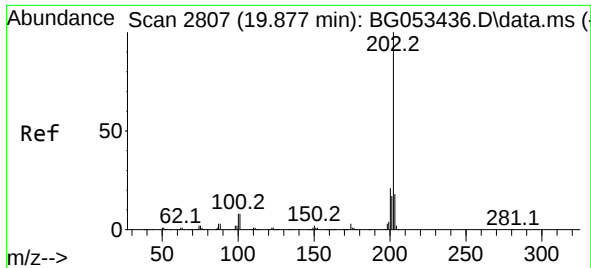
Tgt Ion:202 Resp: 807086
Ion Ratio Lower Upper
202 100
101 8.8 0.0 26.9
203 18.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.601 min Scan# 3168
Delta R.T. -0.008 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Tgt Ion:240 Resp: 289181
Ion Ratio Lower Upper
240 100
120 7.6 4.6 7.0#
236 25.5 20.2 30.4

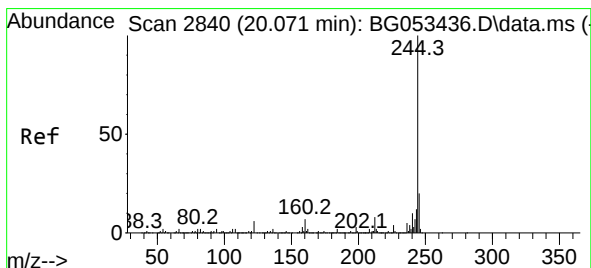
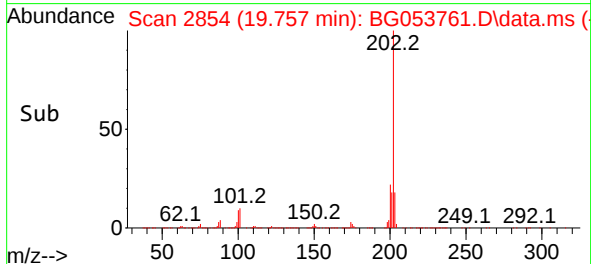
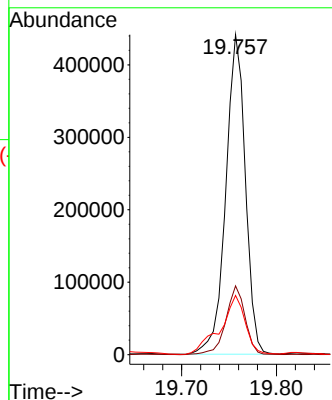
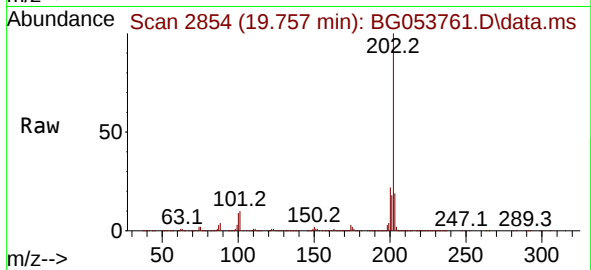




#78
 Pyrene
 Concen: 33.840 ng
 RT: 19.757 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG053761.D
 Acq: 28 May 2022 21:51

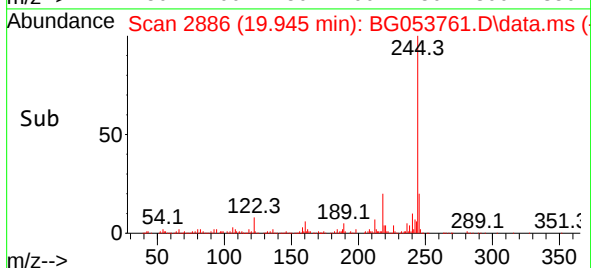
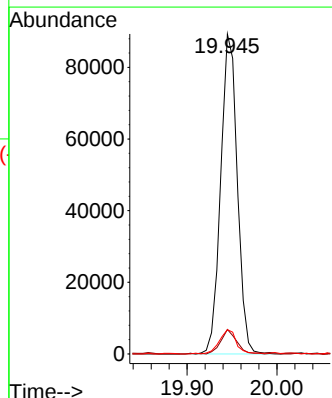
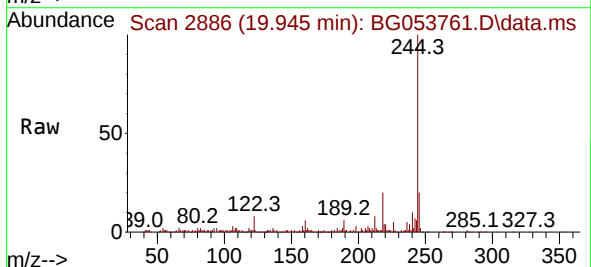
Instrument :
 BNA_G
 ClientSampleId :
 PSC-124035DL

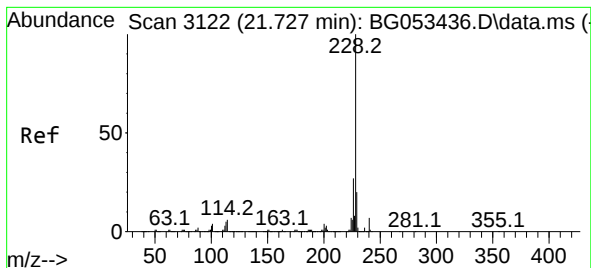
Tgt Ion:202 Resp: 633484
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.6 24.8
 203 18.5 14.6 21.8



#79
 Terphenyl-d14
 Concen: 7.392 ng
 RT: 19.945 min Scan# 2886
 Delta R.T. -0.008 min
 Lab File: BG053761.D
 Acq: 28 May 2022 21:51

Tgt Ion:244 Resp: 114776
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 7.6 5.0 7.4#





#81

Benzo(a)anthracene

Concen: 17.571 ng

RT: 21.584 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

Instrument :

BNA_G

ClientSampleId :

PSC-124035DL

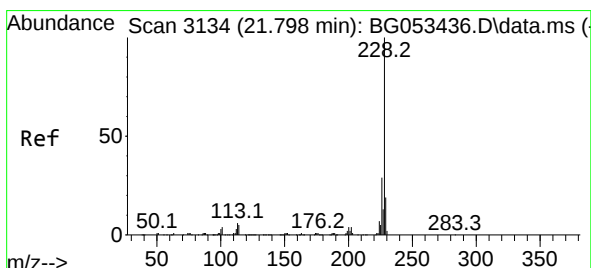
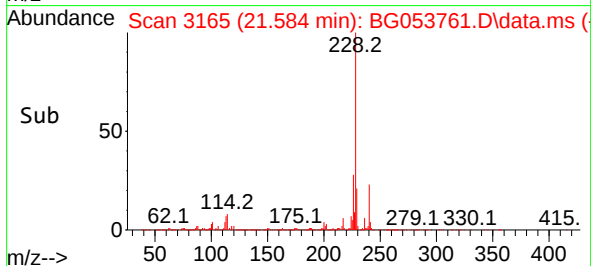
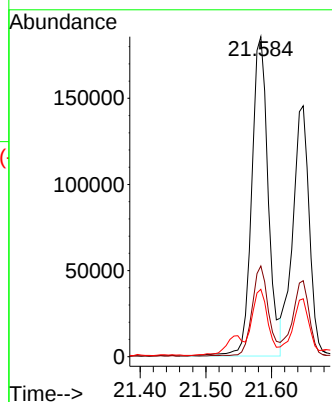
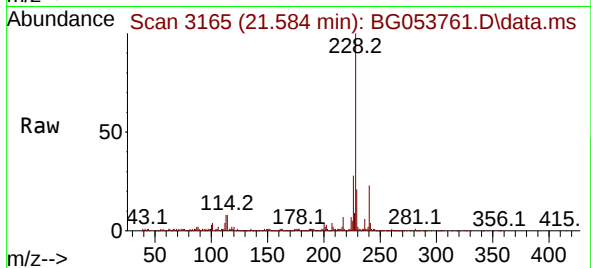
Tgt Ion:228 Resp: 324095

Ion Ratio Lower Upper

228 100

226 28.4 21.6 32.4

229 21.0 16.2 24.2



#83

Chrysene

Concen: 14.704 ng

RT: 21.648 min Scan# 3176

Delta R.T. -0.002 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

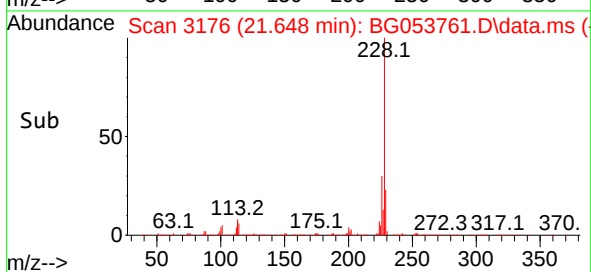
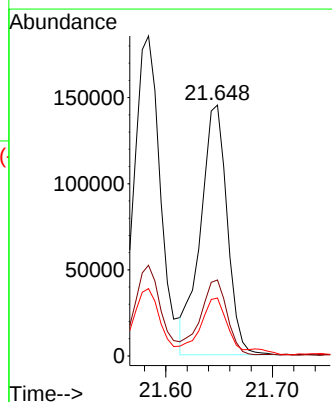
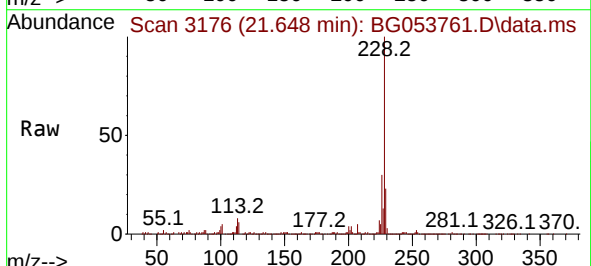
Tgt Ion:228 Resp: 253298

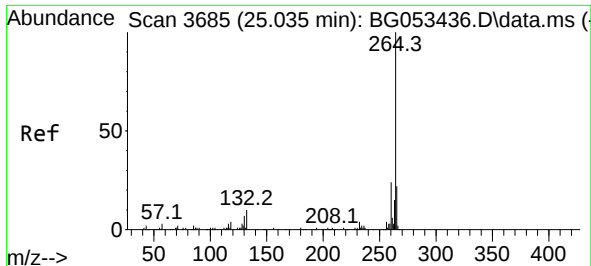
Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

229 23.1 15.5 23.3

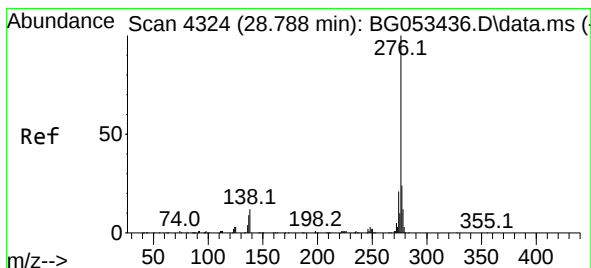
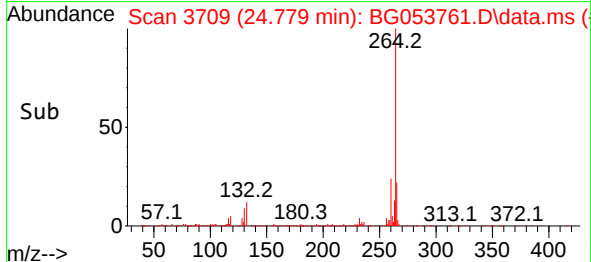
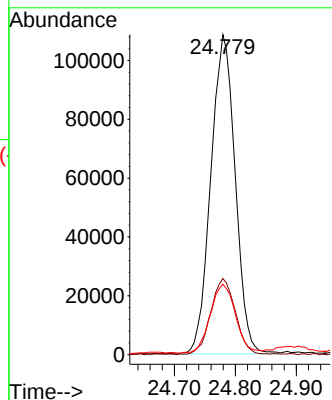
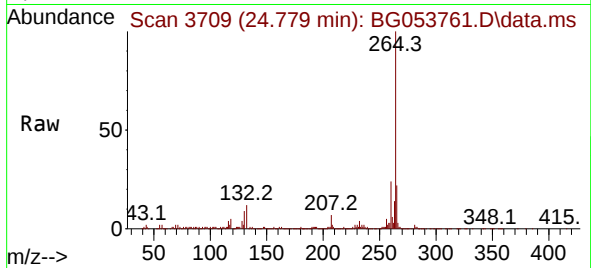




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.779 min Scan# 31
 Delta R.T. -0.008 min
 Lab File: BG053761.D
 Acq: 28 May 2022 21:51

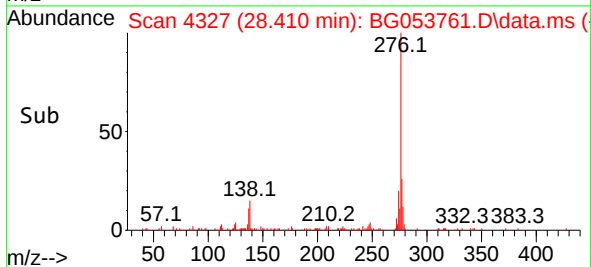
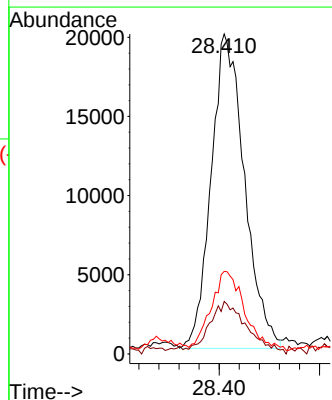
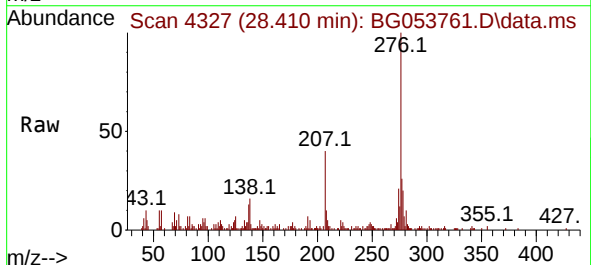
Instrument :
 BNA_G
 ClientSampleId :
 PSC-124035DL

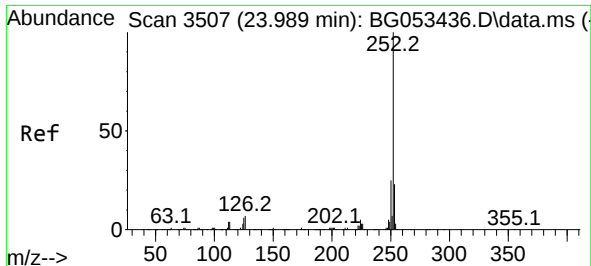
Tgt Ion:264 Resp: 301391
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.6
 265 22.0 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.364 ng
 RT: 28.410 min Scan# 4327
 Delta R.T. -0.026 min
 Lab File: BG053761.D
 Acq: 28 May 2022 21:51

Tgt Ion:276 Resp: 91615
 Ion Ratio Lower Upper
 276 100
 138 18.8 5.0 7.4#
 277 25.4 20.3 30.5

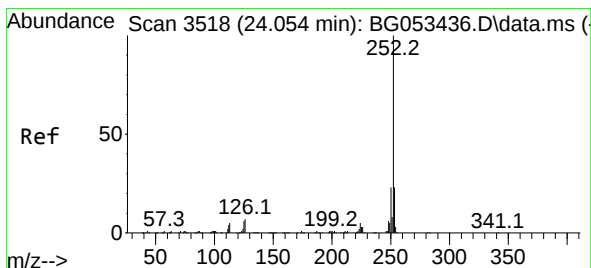
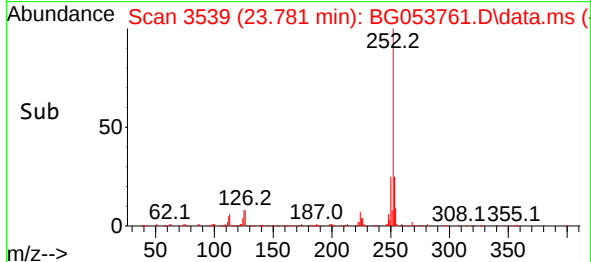
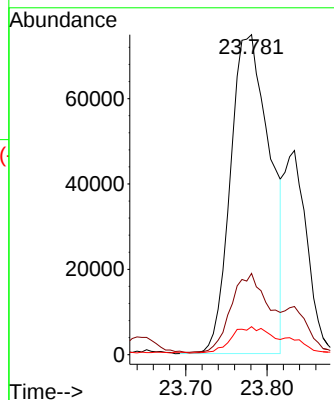
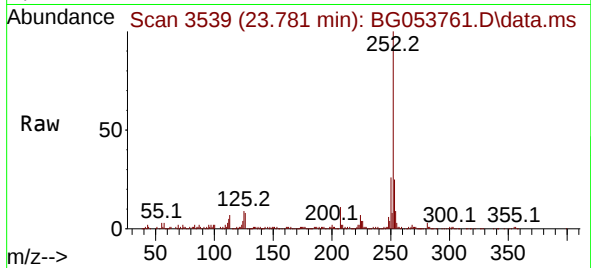




#88
Benzo(b)fluoranthene
Concen: 14.130 ng
RT: 23.781 min Scan# 3539
Delta R.T. 0.004 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

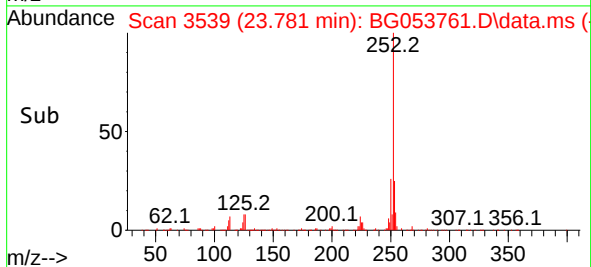
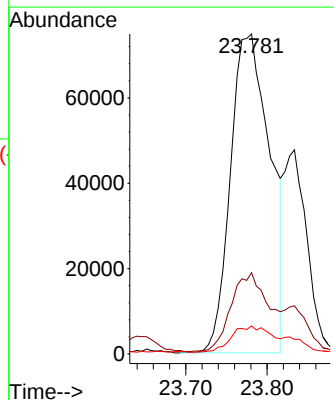
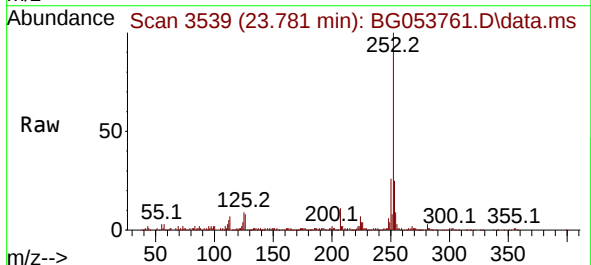
Instrument :
BNA_G
ClientSampleId :
PSC-124035DL

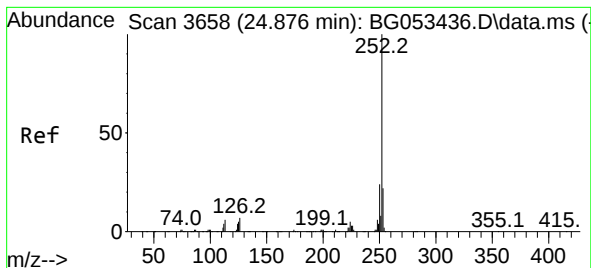
Tgt Ion:252 Resp: 252080
Ion Ratio Lower Upper
252 100
253 25.4 18.0 27.0
125 8.7 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 14.379 ng
RT: 23.781 min Scan# 3539
Delta R.T. -0.061 min
Lab File: BG053761.D
Acq: 28 May 2022 21:51

Tgt Ion:252 Resp: 252080
Ion Ratio Lower Upper
252 100
253 25.4 18.4 27.6
125 8.7 4.8 7.2#





#90

Benzo(a)pyrene

Concen: 12.137 ng

RT: 24.627 min Scan# 3

Delta R.T. -0.014 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

Instrument :

BNA_G

ClientSampleId :

PSC-124035DL

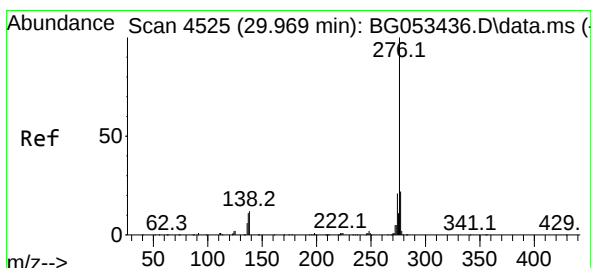
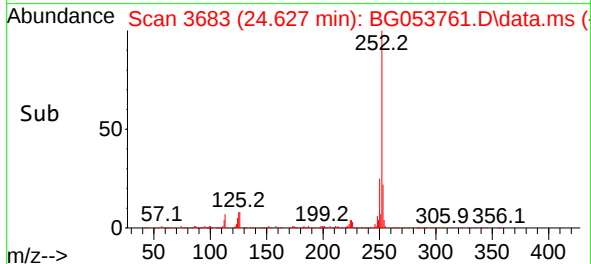
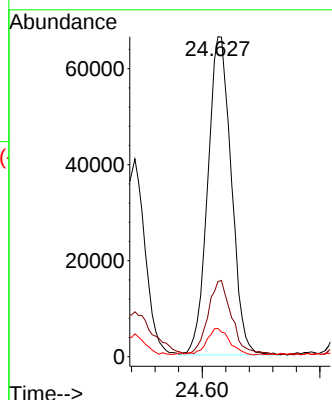
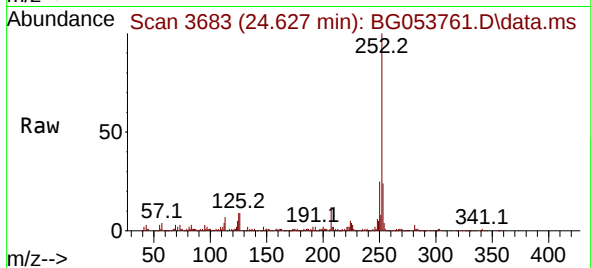
Tgt Ion:252 Resp: 184291

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 8.8 4.3 6.5#



#92

Benzo(g,h,i)perylene

Concen: 4.144 ng

RT: 29.567 min Scan# 4524

Delta R.T. -0.002 min

Lab File: BG053761.D

Acq: 28 May 2022 21:51

Tgt Ion:276 Resp: 71048

Ion Ratio Lower Upper

276 100

277 25.0 17.3 25.9

138 12.7 9.6 14.4

