

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053745.D
 Acq On : 27 May 2022 22:53
 Operator : CG/JU
 Sample : N3077-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-052622

Quant Time: May 28 02:01:38 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)

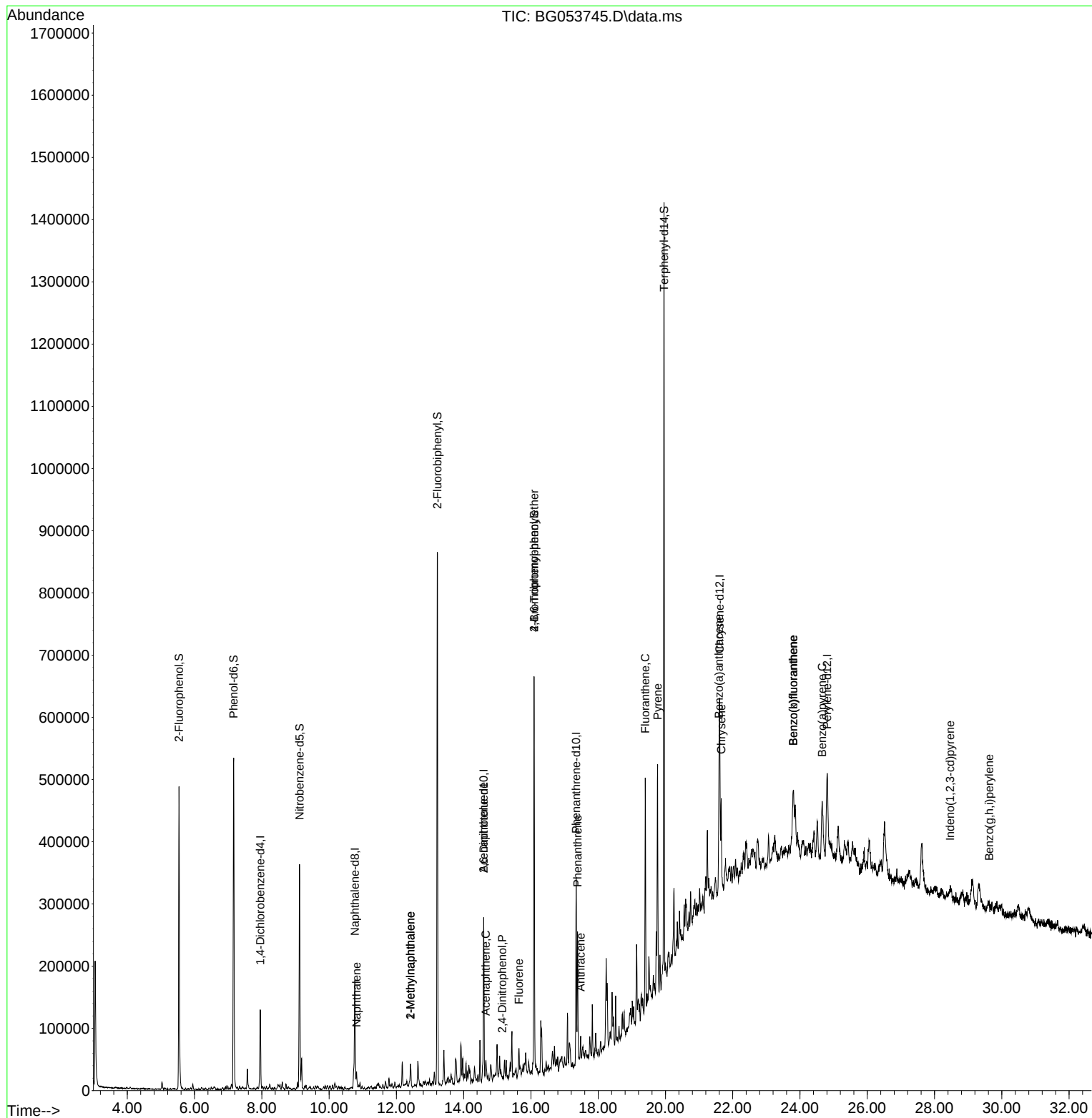
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	35684	20.000	ng	-0.03
21) Naphthalene-d8	10.765	136	135112	20.000	ng	-0.03
39) Acenaphthene-d10	14.595	164	89835	20.000	ng	-0.03
64) Phenanthrene-d10	17.344	188	178975	20.000	ng	-0.03
76) Chrysene-d12	21.609	240	164334	20.000	ng	-0.03
86) Perylene-d12	24.811	264	138442	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	213079	101.341	ng	-0.02
7) Phenol-d6	7.158	99	318240	99.730	ng	0.00
23) Nitrobenzene-d5	9.120	82	225080	70.914	ng	-0.03
42) 2,4,6-Tribromophenol	16.093	330	123817	93.449	ng	-0.02
45) 2-Fluorobiphenyl	13.221	172	462472	75.227	ng	-0.02
79) Terphenyl-d14	19.959	244	624988	70.833	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.818	128	17900	2.604	ng	99
37) 2-Methylnaphthalene	12.422	142	17229	3.359	ng	96
38) 1-Methylnaphthalene	12.422	142	17229	3.443	ng	90
51) 2,6-Dinitrotoluene	14.595	165	14651	10.534	ng	# 21
52) Acenaphthene	14.660	154	10482	2.297	ng	96
54) 2,4-Dinitrophenol	15.147	184	124	6.374	ng	# 11
58) Fluorene	15.647	166	17738	2.697	ng	# 95
67) 4-Bromophenyl-phenylether	16.093	248	8471	4.053	ng	# 1
71) Phenanthrene	17.386	178	132316	14.539	ng	99
72) Anthracene	17.480	178	29094	3.253	ng	98
75) Fluoranthene	19.401	202	228263	19.371	ng	98
78) Pyrene	19.765	202	232691	21.873	ng	100
81) Benzo(a)anthracene	21.592	228	104699	9.989	ng	95
83) Chrysene	21.656	228	110379	11.275	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.465	276	33607	3.485	ng	# 94
88) Benzo(b)fluoranthene	23.800	252	126636	15.454	ng	# 80
89) Benzo(k)fluoranthene	23.800	252	126636	15.726	ng	# 81
90) Benzo(a)pyrene	24.658	252	85117	12.203	ng	# 86
92) Benzo(g,h,i)perylene	29.628	276	34311	4.357	ng	# 78

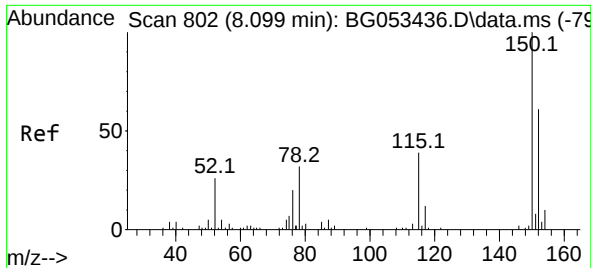
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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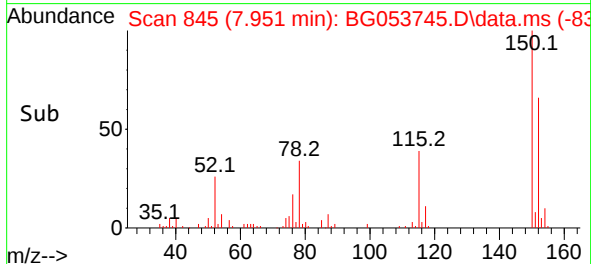
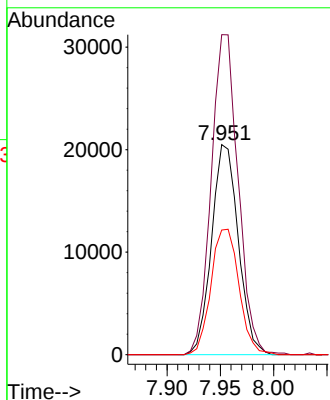
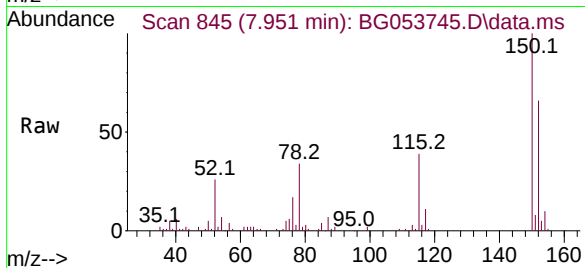




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.951 min Scan# 84
Delta R.T. -0.035 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

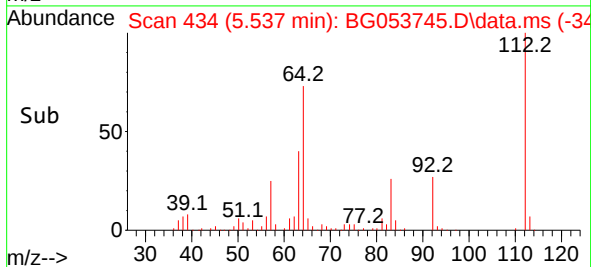
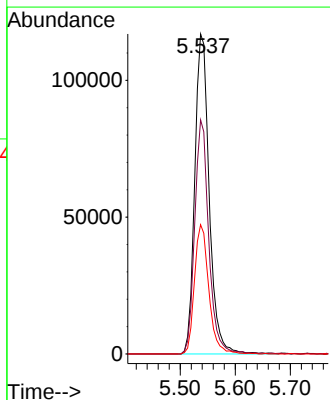
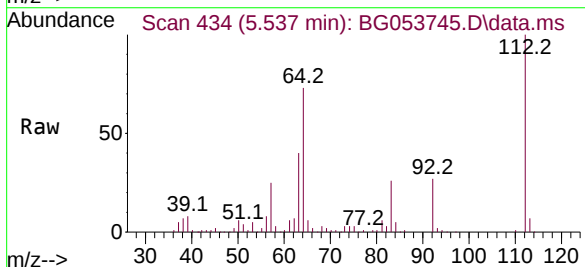
Instrument :
BNA_G
ClientSampleId :
CL-02-052622

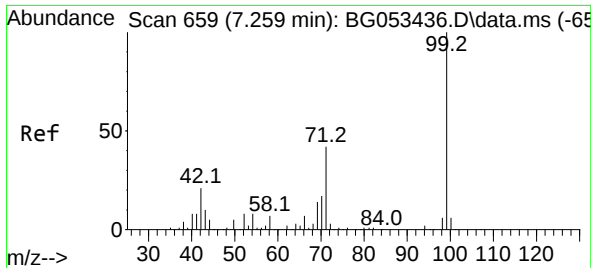
Tgt Ion:152 Resp: 35684
Ion Ratio Lower Upper
152 100
150 152.3 131.6 197.4
115 59.4 50.9 76.3



#5
2-Fluorophenol
Concen: 101.341 ng
RT: 5.537 min Scan# 434
Delta R.T. -0.017 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Tgt Ion:112 Resp: 213079
Ion Ratio Lower Upper
112 100
64 73.1 55.1 82.7
63 40.4 30.4 45.6

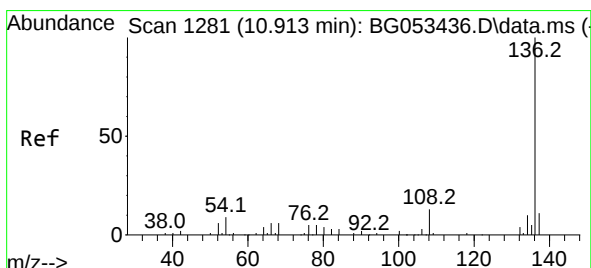
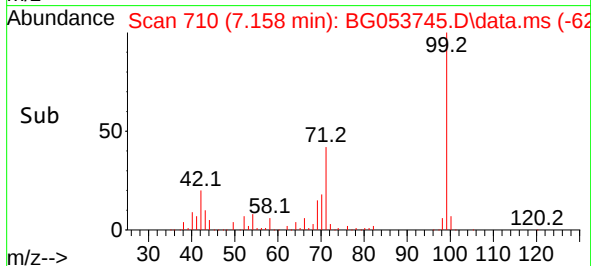
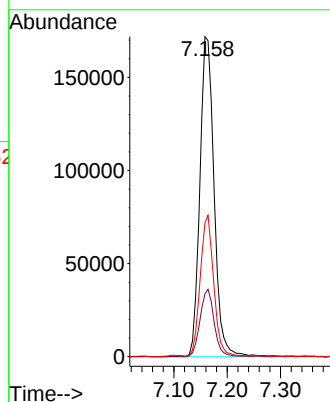
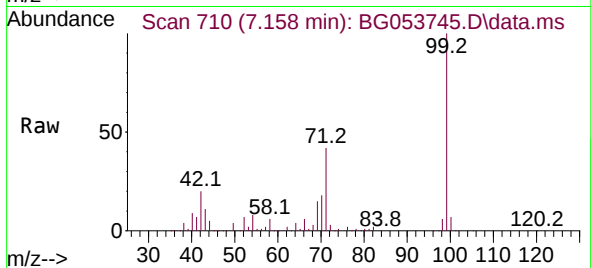




#7
Phenol-d6
Concen: 99.730 ng
RT: 7.158 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

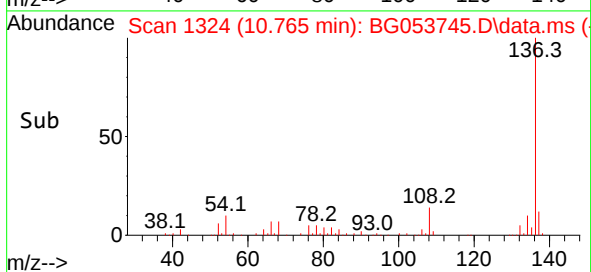
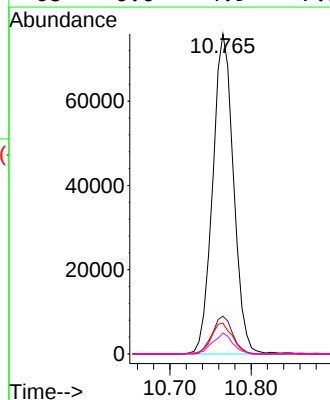
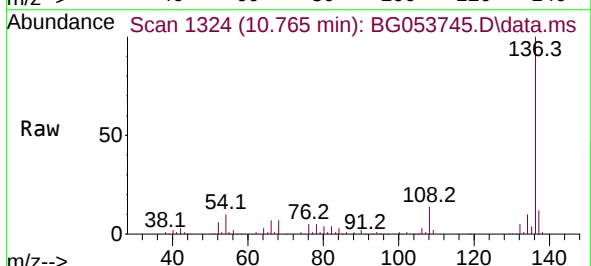
Instrument :
BNA_G
ClientSampleId :
CL-02-052622

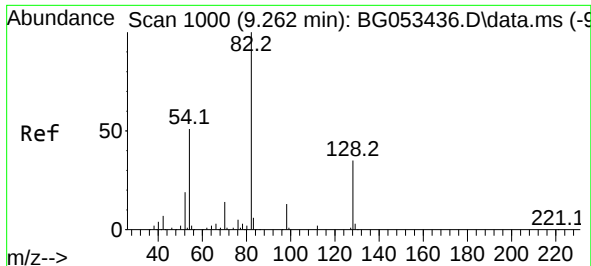
Tgt Ion: 99 Resp: 318240
Ion Ratio Lower Upper
99 100
42 19.7 17.0 25.6
71 41.9 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.765 min Scan# 1324
Delta R.T. -0.035 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Tgt Ion: 136 Resp: 135112
Ion Ratio Lower Upper
136 100
137 11.8 8.5 12.7
54 9.6 7.4 11.2
68 6.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 70.914 ng

RT: 9.120 min Scan# 1044

Delta R.T. -0.035 min

Lab File: BG053745.D

Acq: 27 May 2022 22:53

Instrument :

BNA_G

ClientSampleId :

CL-02-052622

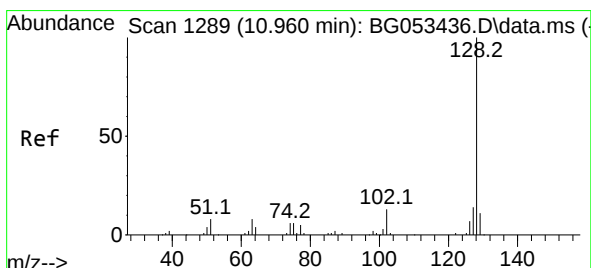
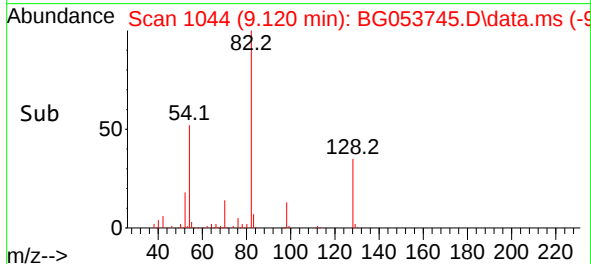
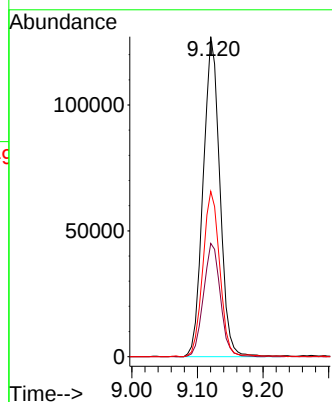
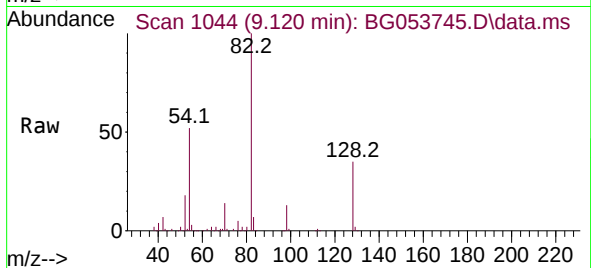
Tgt Ion: 82 Resp: 225080

Ion Ratio Lower Upper

82 100

128 35.4 27.9 41.9

54 51.7 41.2 61.8



#31

Naphthalene

Concen: 2.604 ng

RT: 10.818 min Scan# 1333

Delta R.T. -0.029 min

Lab File: BG053745.D

Acq: 27 May 2022 22:53

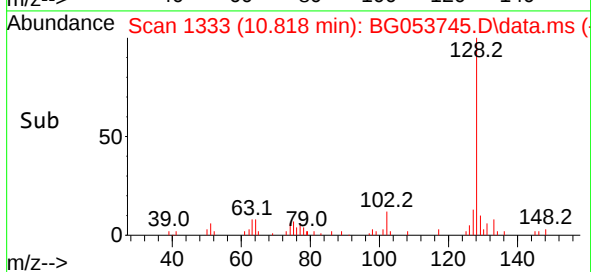
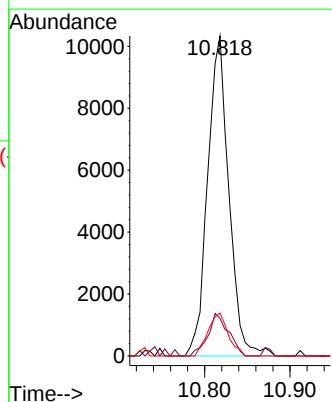
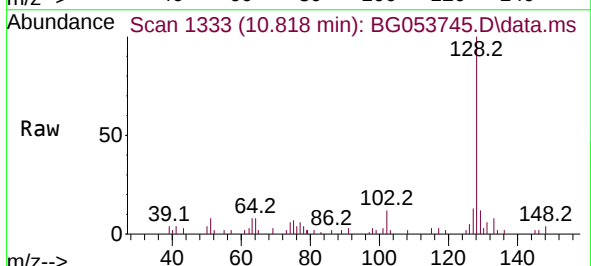
Tgt Ion: 128 Resp: 17900

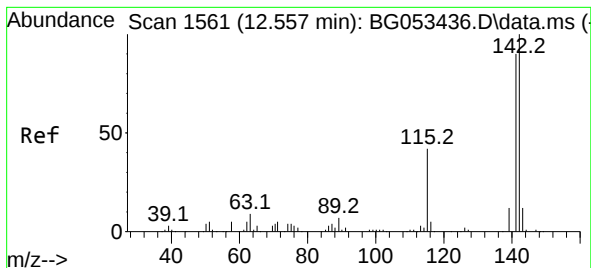
Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

127 13.4 11.1 16.7





#37

2-Methylnaphthalene

Concen: 3.359 ng

RT: 12.422 min Scan# 1

Delta R.T. -0.035 min

Lab File: BG053745.D

Acq: 27 May 2022 22:53

Instrument :

BNA_G

ClientSampleId :

CL-02-052622

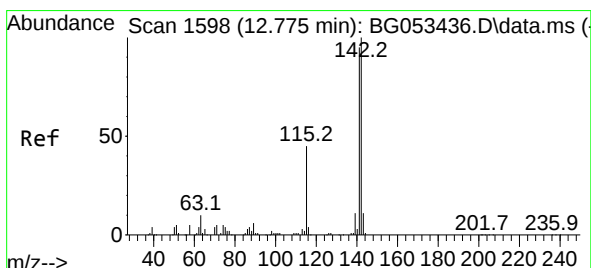
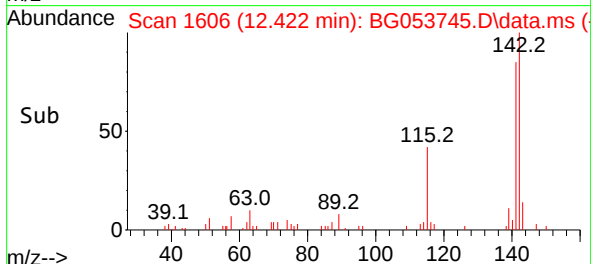
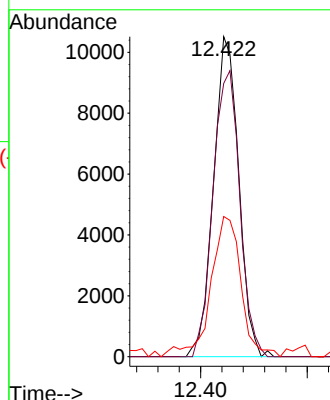
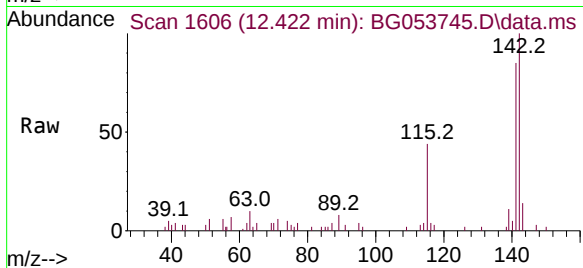
Tgt Ion:142 Resp: 17229

Ion Ratio Lower Upper

142 100

141 85.4 72.3 108.5

115 43.8 33.7 50.5



#38

1-Methylnaphthalene

Concen: 3.443 ng

RT: 12.422 min Scan# 1606

Delta R.T. -0.252 min

Lab File: BG053745.D

Acq: 27 May 2022 22:53

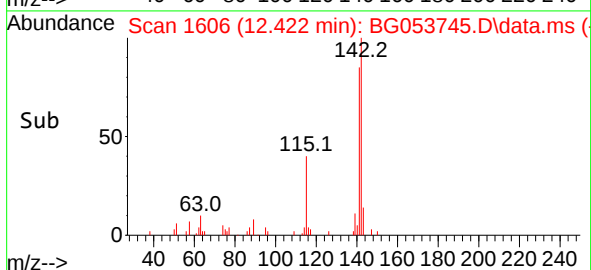
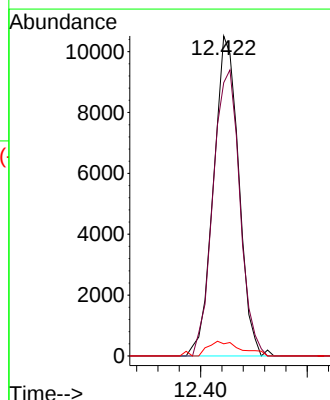
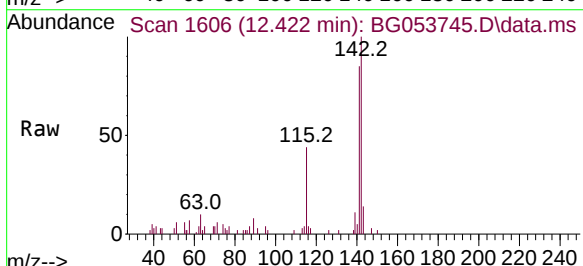
Tgt Ion:142 Resp: 17229

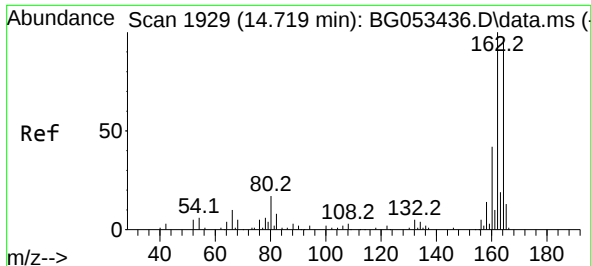
Ion Ratio Lower Upper

142 100

141 85.4 76.4 114.6

116 3.8 3.3 4.9

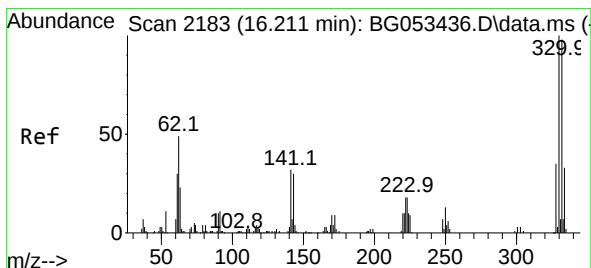
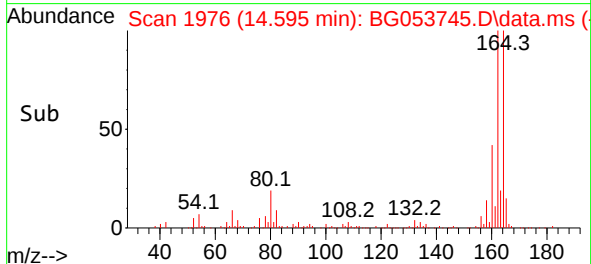
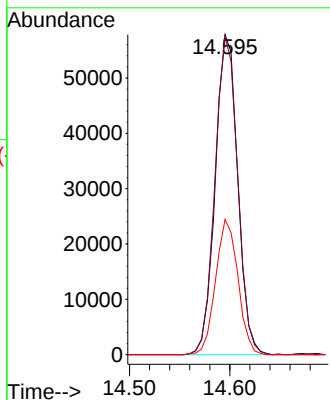
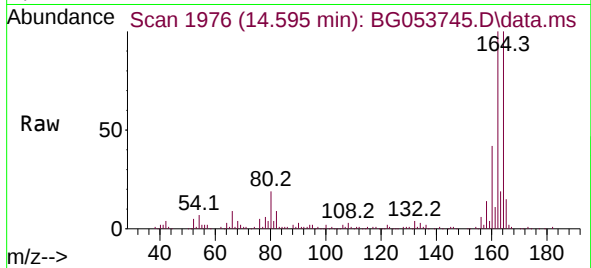




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.595 min Scan# 1929
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

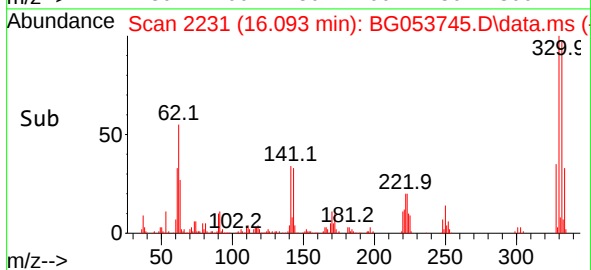
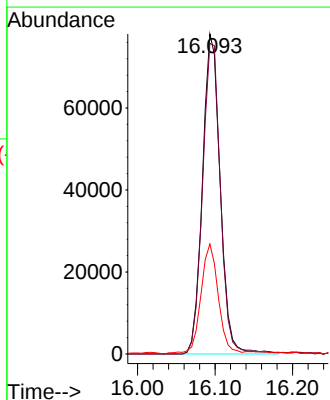
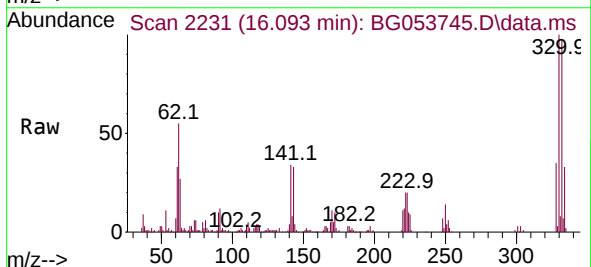
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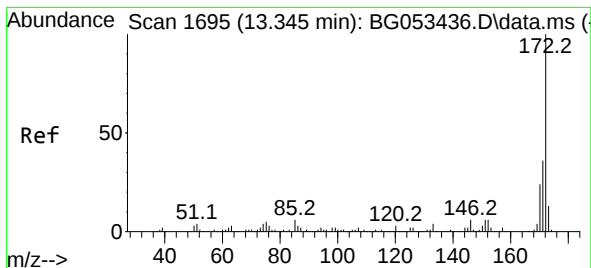
Tgt Ion:164 Resp: 89835
Ion Ratio Lower Upper
164 100
162 99.5 82.3 123.5
160 42.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 93.449 ng
RT: 16.093 min Scan# 2231
Delta R.T. -0.023 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Tgt Ion:330 Resp: 123817
Ion Ratio Lower Upper
330 100
332 98.1 76.0 114.0
141 33.8 27.1 40.7

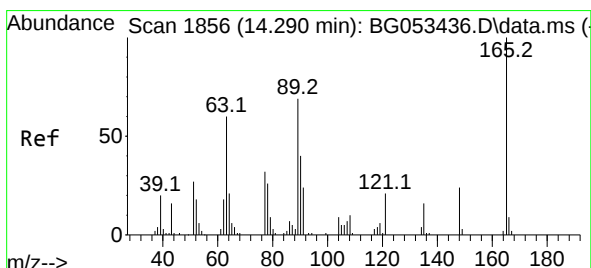
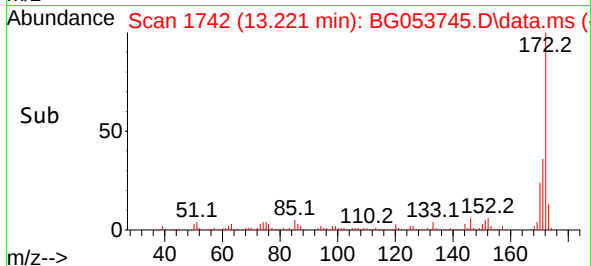
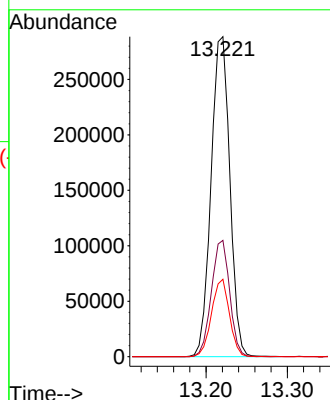
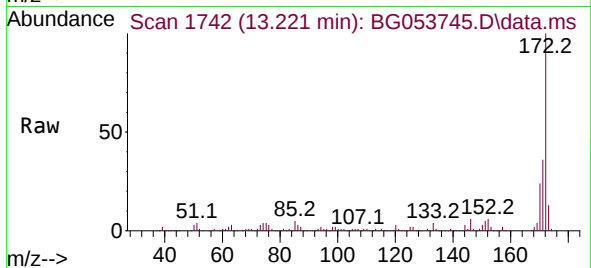




#45
2-Fluorobiphenyl
Concen: 75.227 ng
RT: 13.221 min Scan# 1
Delta R.T. -0.023 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

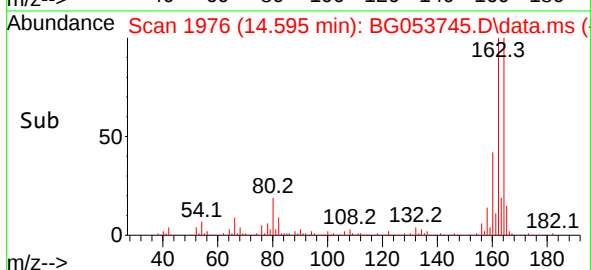
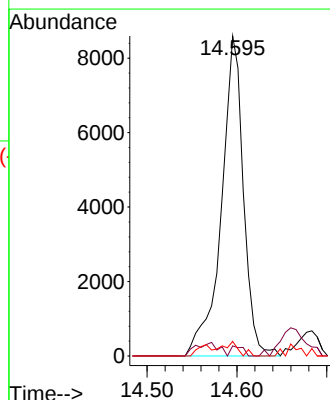
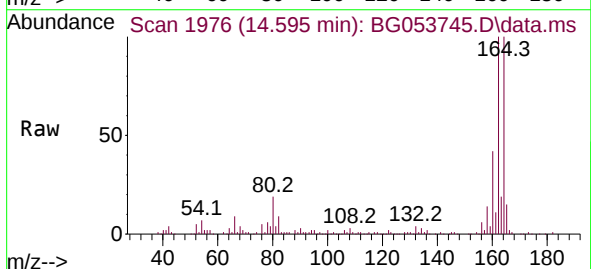
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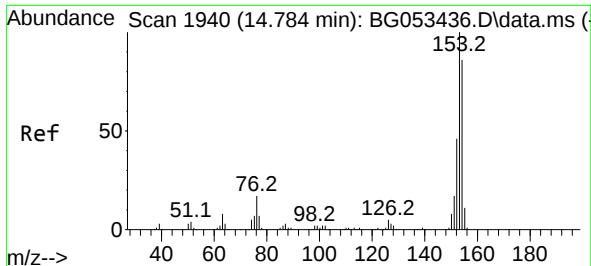
Tgt Ion:172 Resp: 462472
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 24.2 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 10.534 ng
RT: 14.595 min Scan# 1976
Delta R.T. 0.394 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Tgt Ion:165 Resp: 14651
Ion Ratio Lower Upper
165 100
63 3.1 54.1 81.1#
89 4.6 54.8 82.2#

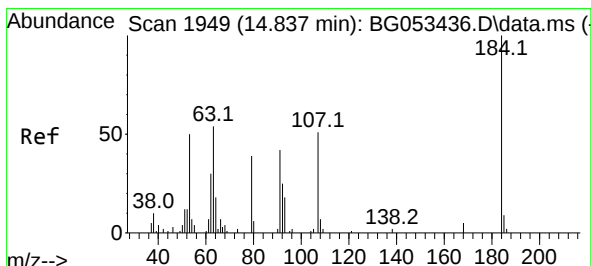
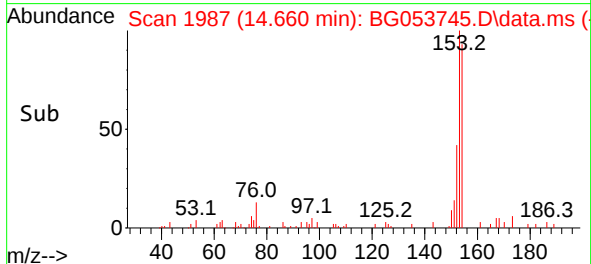
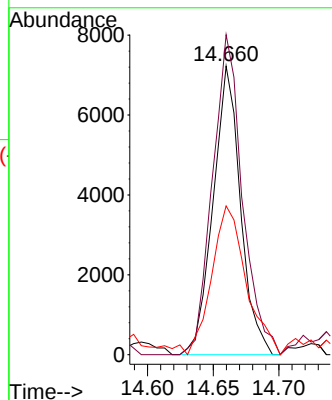
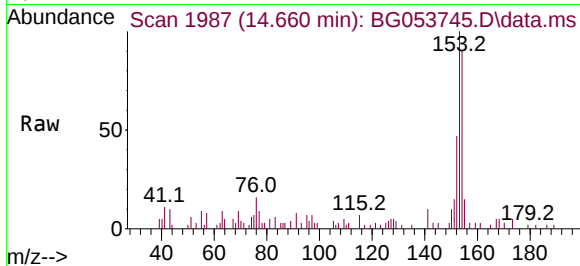




#52
Acenaphthene
Concen: 2.297 ng
RT: 14.660 min Scan# 1940
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

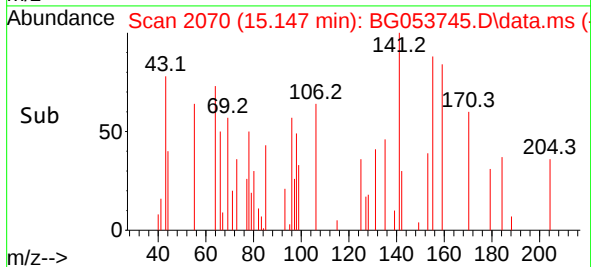
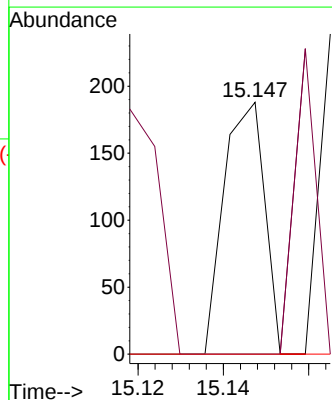
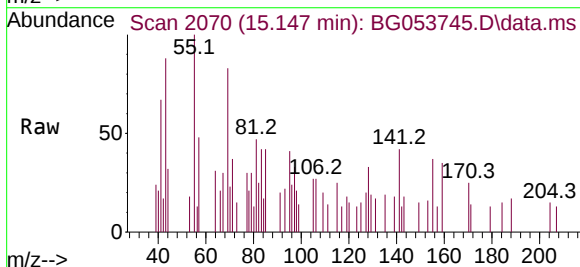
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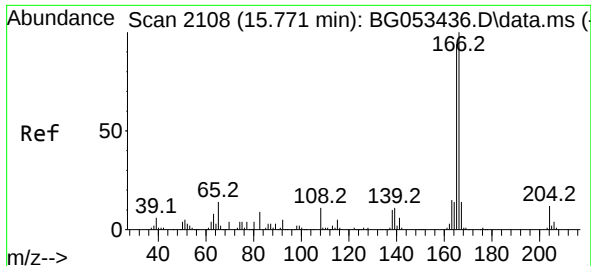
Tgt Ion:154 Resp: 10482
Ion Ratio Lower Upper
154 100
153 110.9 92.7 139.1
152 51.6 42.6 64.0



#54
2,4-Dinitrophenol
Concen: 6.374 ng
RT: 15.147 min Scan# 2070
Delta R.T. 0.394 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Tgt Ion:184 Resp: 124
Ion Ratio Lower Upper
184 100
63 0.0 61.1 91.7#
154 0.0 60.6 91.0#

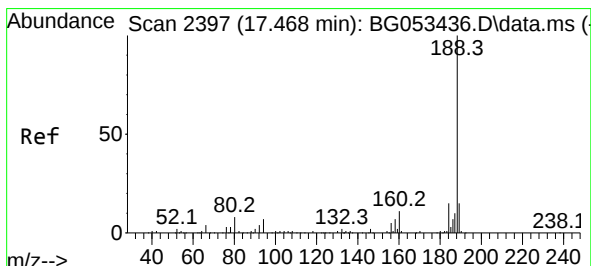
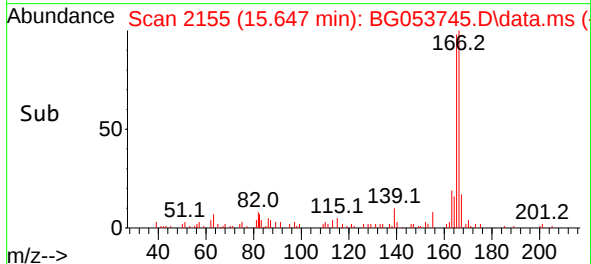
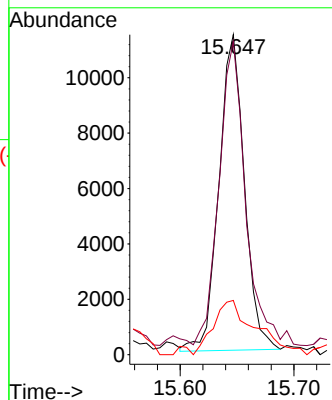
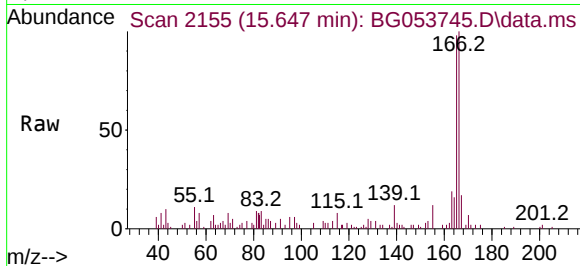




#58
Fluorene
Concen: 2.697 ng
RT: 15.647 min Scan# 2108
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

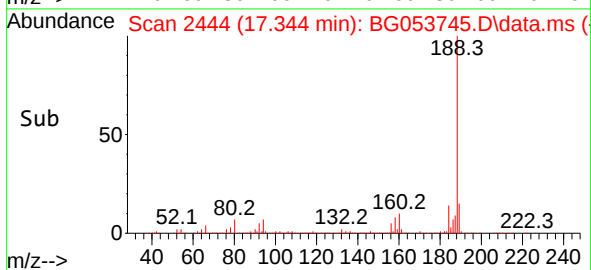
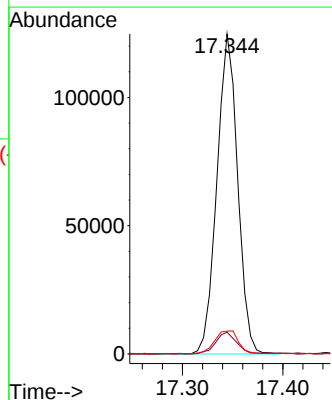
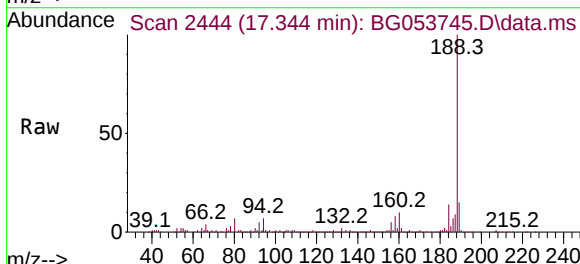
Instrument :
BNA_G
ClientSampleId :
CL-02-052622

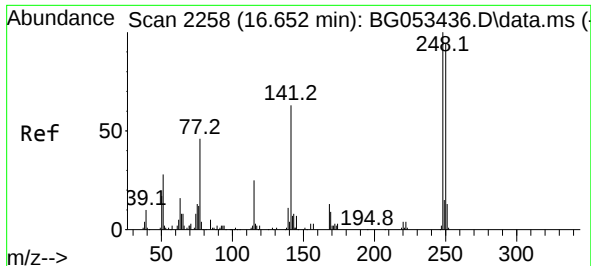
Tgt Ion:166 Resp: 17738
Ion Ratio Lower Upper
166 100
165 97.9 75.0 112.6
167 17.0 10.8 16.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.344 min Scan# 2444
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Tgt Ion:188 Resp: 178975
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.0
80 7.2 6.8 10.2





#67
4-Bromophenyl-phenylether
Concen: 4.053 ng
RT: 16.093 min Scan# 21
Delta R.T. -0.458 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

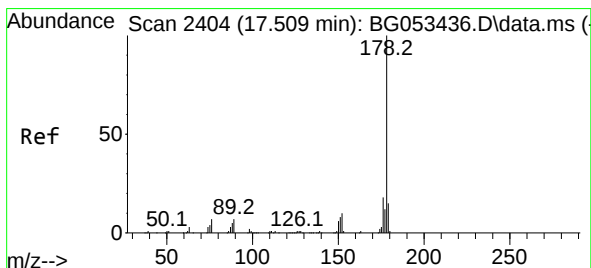
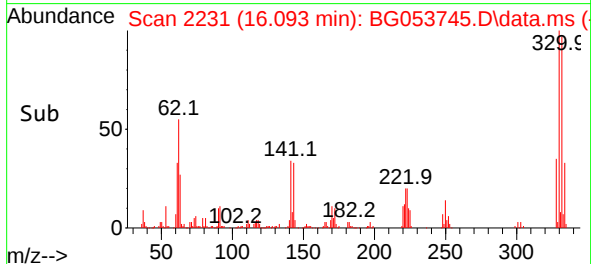
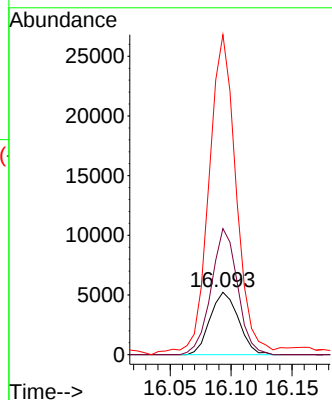
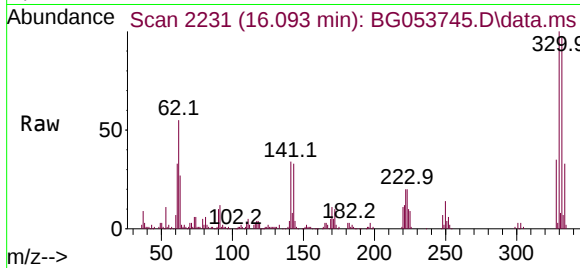
Instrument :

BNA_G

ClientSampleId :

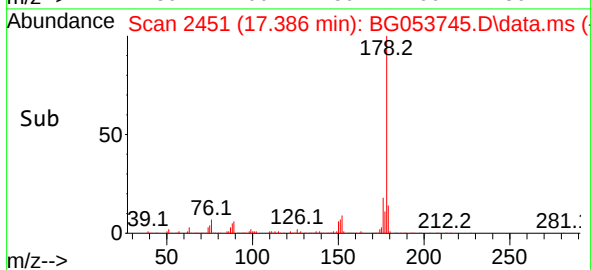
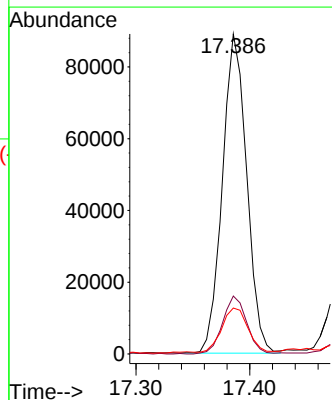
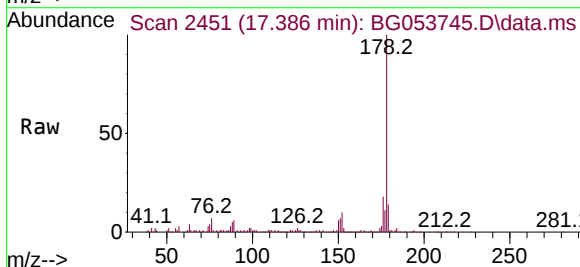
CL-02-052622

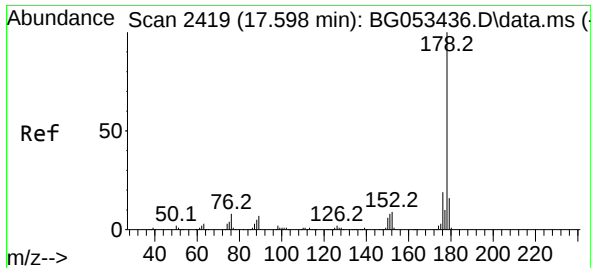
Tgt Ion:248 Resp: 8471
Ion Ratio Lower Upper
248 100
250 201.9 75.2 112.8#
141 512.3 50.0 75.0#



#71
Phenanthrene
Concen: 14.539 ng
RT: 17.386 min Scan# 2451
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Tgt Ion:178 Resp: 132316
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 14.4 12.1 18.1

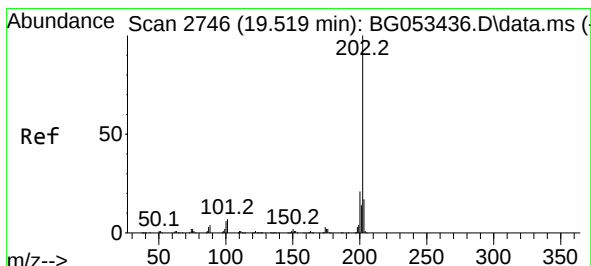
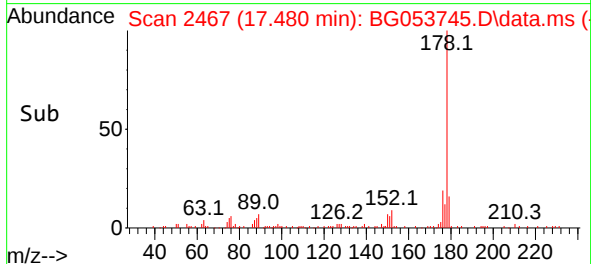
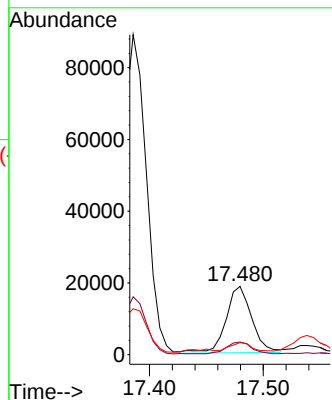
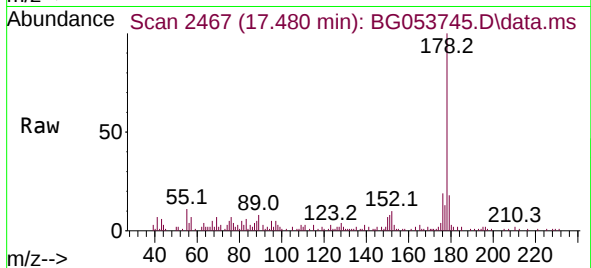




#72
 Anthracene
 Concen: 3.253 ng
 RT: 17.480 min Scan# 2419
 Delta R.T. -0.023 min
 Lab File: BG053745.D
 Acq: 27 May 2022 22:53

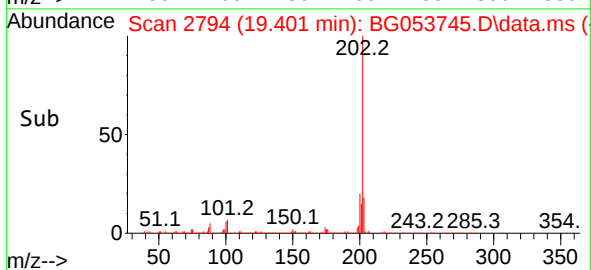
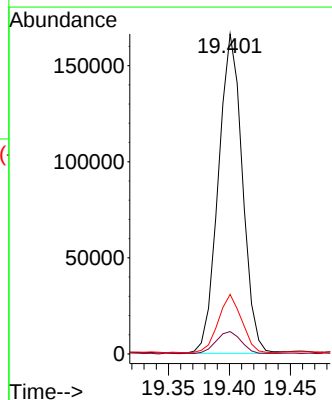
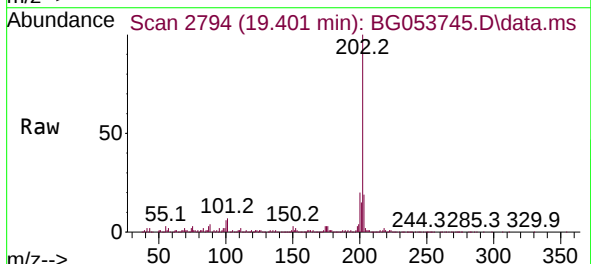
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-052622

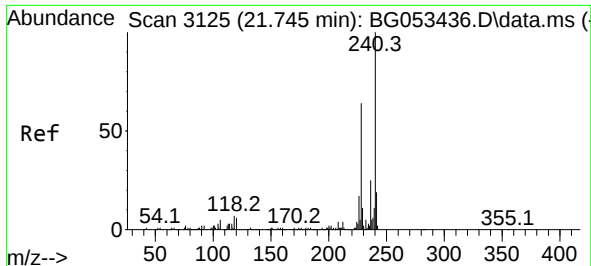
Tgt Ion:178 Resp: 29094
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.2 22.8
 179 17.6 13.0 19.4



#75
 Fluoranthene
 Concen: 19.371 ng
 RT: 19.401 min Scan# 2794
 Delta R.T. -0.023 min
 Lab File: BG053745.D
 Acq: 27 May 2022 22:53

Tgt Ion:202 Resp: 228263
 Ion Ratio Lower Upper
 202 100
 101 7.0 0.0 26.9
 203 18.6 0.0 37.2

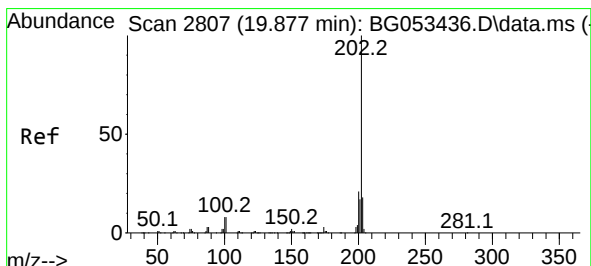
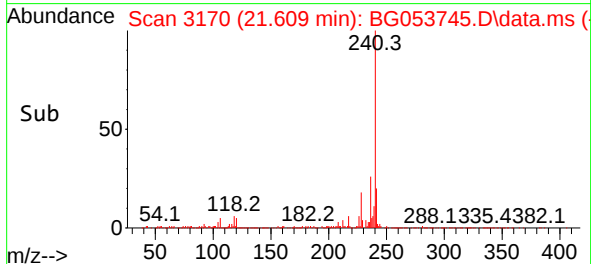
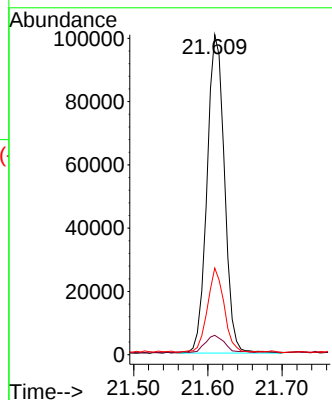
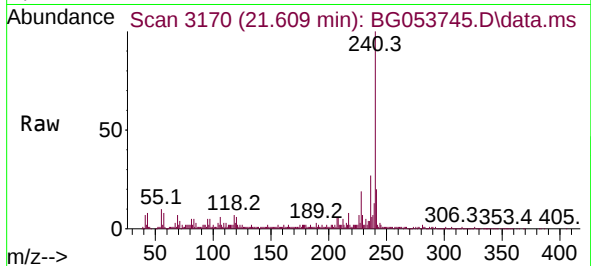




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.609 min Scan# 31
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

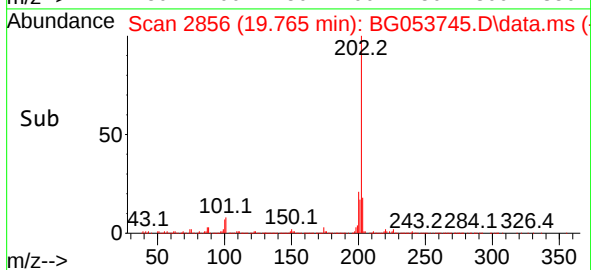
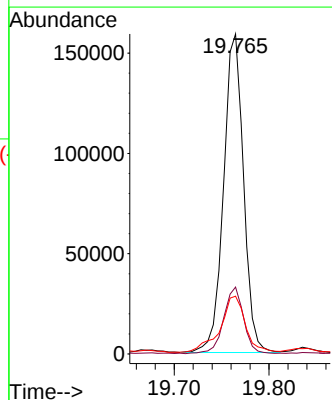
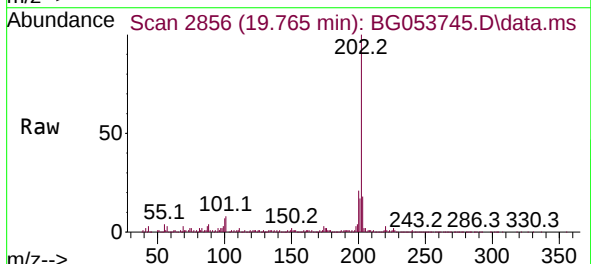
Instrument :
BNA_G
ClientSampleId :
CL-02-052622

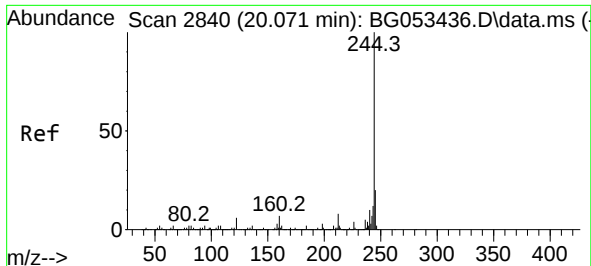
Tgt Ion:240 Resp: 164334
Ion Ratio Lower Upper
240 100
120 6.1 4.6 7.0
236 27.0 20.2 30.4



#78
Pyrene
Concen: 21.873 ng
RT: 19.765 min Scan# 2856
Delta R.T. -0.023 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Tgt Ion:202 Resp: 232691
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 18.0 14.6 21.8

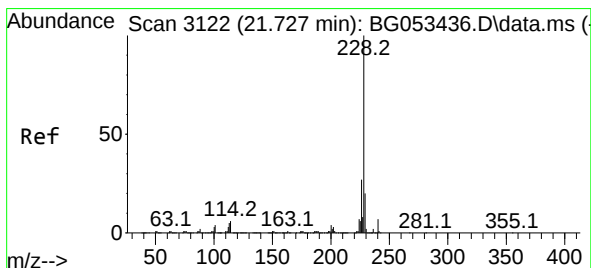
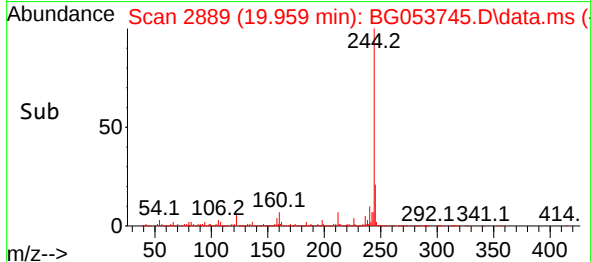
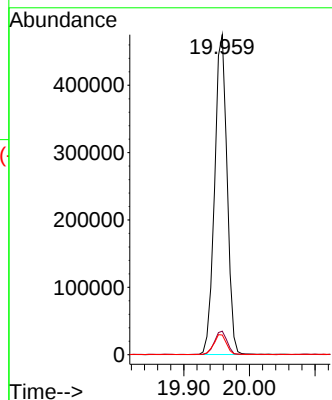
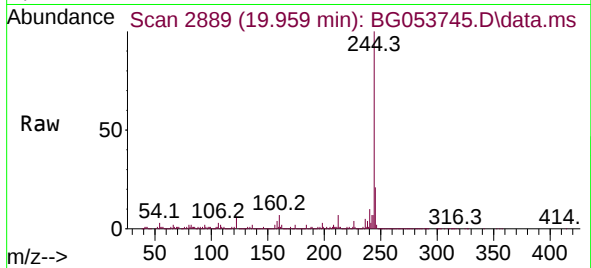




#79
 Terphenyl-d14
 Concen: 70.833 ng
 RT: 19.959 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BG053745.D
 Acq: 27 May 2022 22:53

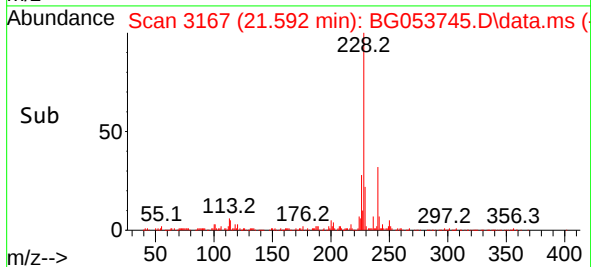
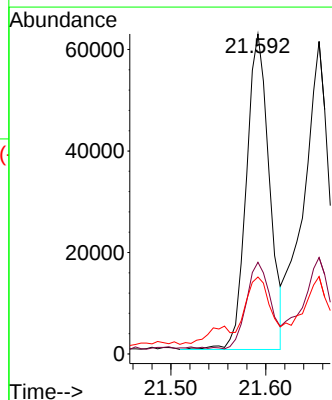
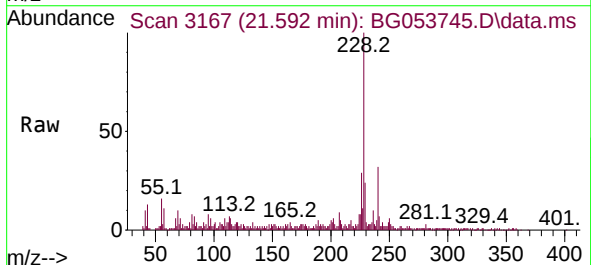
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-052622

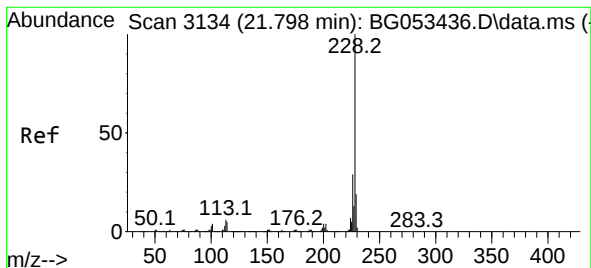
Tgt Ion:244 Resp: 624988
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 6.2 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 9.989 ng
 RT: 21.592 min Scan# 3167
 Delta R.T. -0.023 min
 Lab File: BG053745.D
 Acq: 27 May 2022 22:53

Tgt Ion:228 Resp: 104699
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.6 32.4
 229 24.0 16.2 24.2





#83

Chrysene

Concen: 11.275 ng

RT: 21.656 min Scan# 31

Delta R.T. -0.029 min

Lab File: BG053745.D

Acq: 27 May 2022 22:53

Instrument :

BNA_G

ClientSampleId :

CL-02-052622

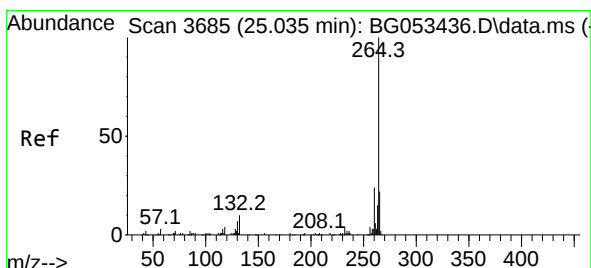
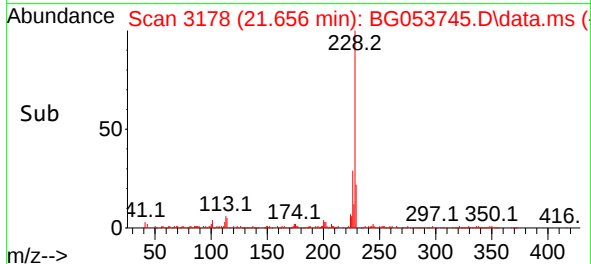
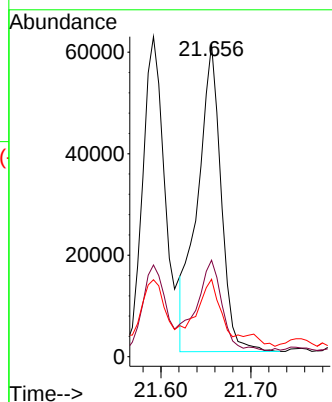
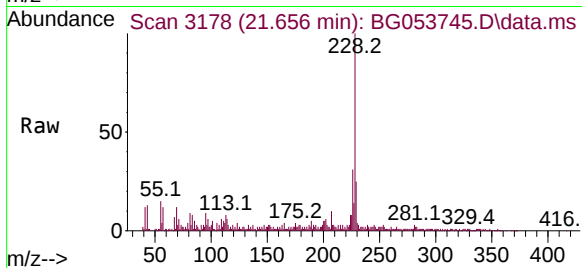
Tgt Ion:228 Resp: 110379

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

229 24.8 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.811 min Scan# 3715

Delta R.T. -0.029 min

Lab File: BG053745.D

Acq: 27 May 2022 22:53

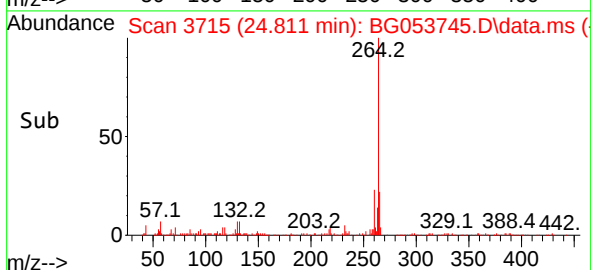
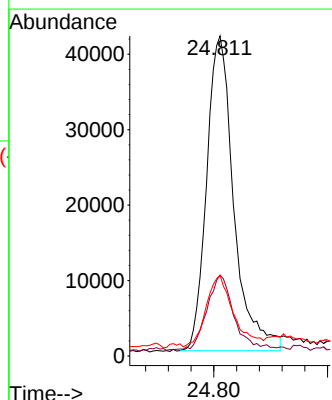
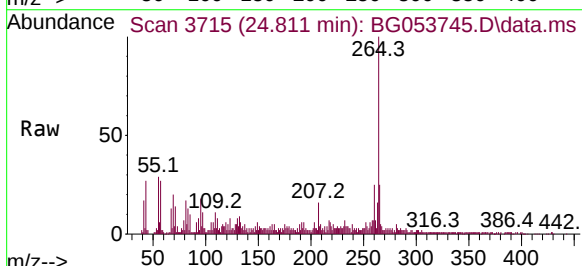
Tgt Ion:264 Resp: 138442

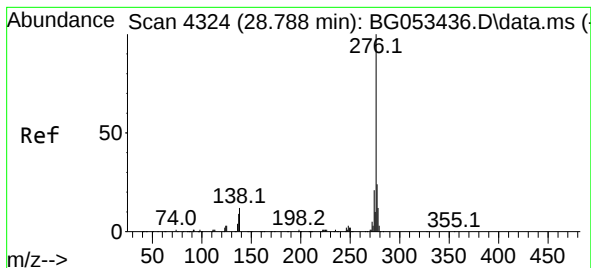
Ion Ratio Lower Upper

264 100

260 25.2 19.0 28.6

265 25.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.485 ng

RT: 28.465 min Scan# 41

Delta R.T. -0.047 min

Lab File: BG053745.D

Acq: 27 May 2022 22:53

Instrument :

BNA_G

ClientSampleId :

CL-02-052622

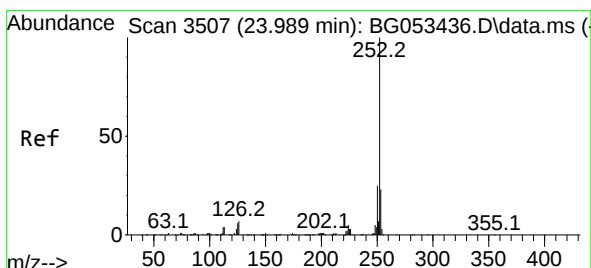
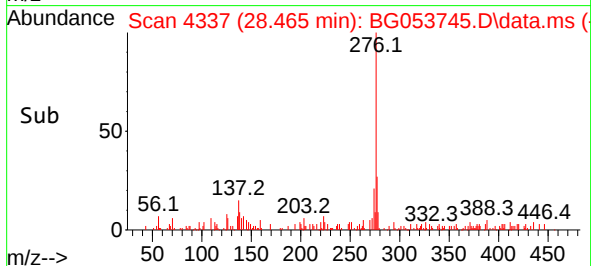
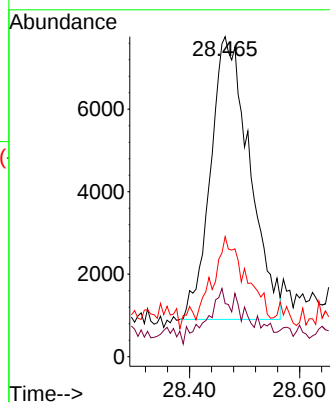
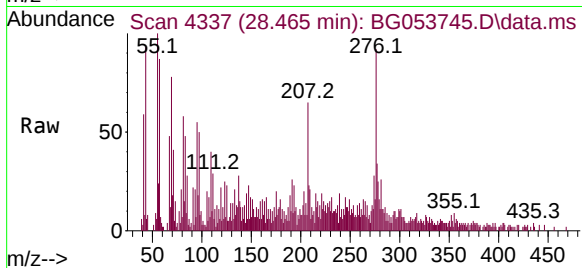
Tgt Ion:276 Resp: 33607

Ion Ratio Lower Upper

276 100

138 11.0 5.0 7.4#

277 27.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 15.454 ng

RT: 23.800 min Scan# 3543

Delta R.T. -0.023 min

Lab File: BG053745.D

Acq: 27 May 2022 22:53

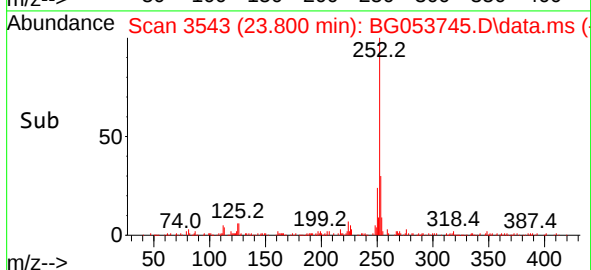
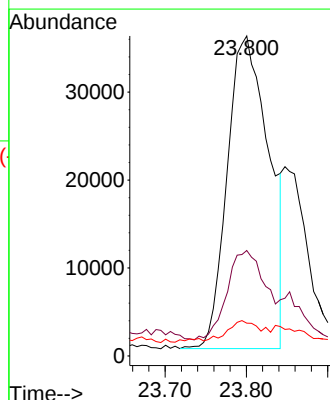
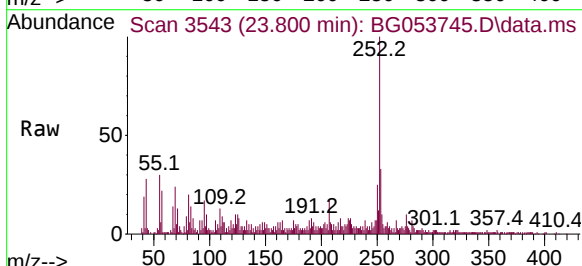
Tgt Ion:252 Resp: 126636

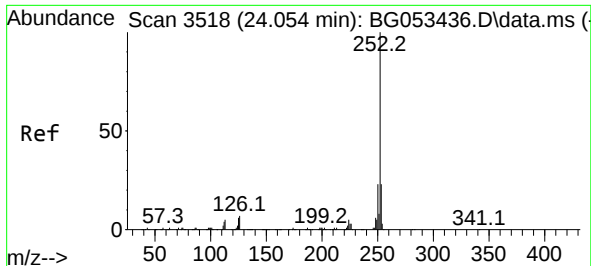
Ion Ratio Lower Upper

252 100

253 32.9 18.0 27.0#

125 10.2 4.6 6.8#

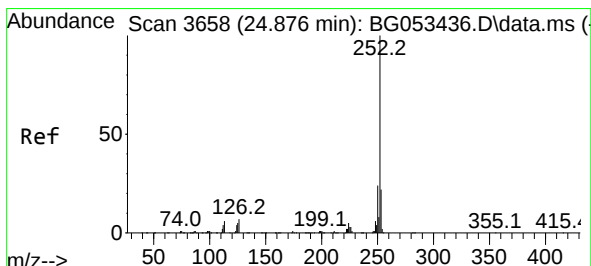
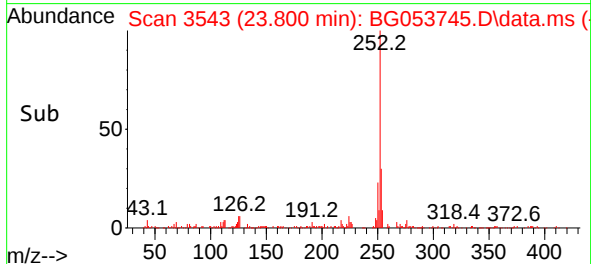
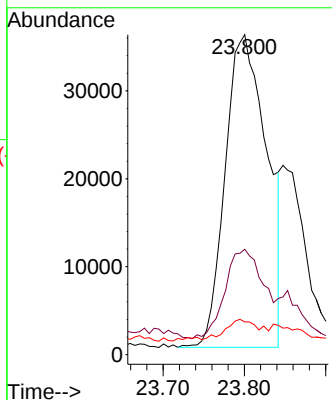
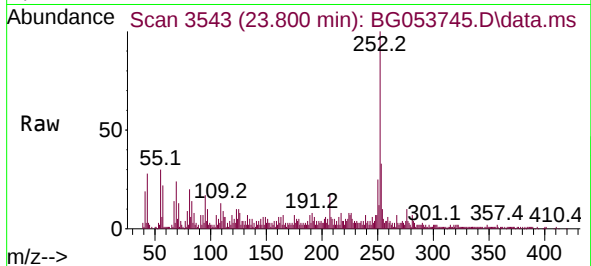




#89
Benzo(k)fluoranthene
Concen: 15.726 ng
RT: 23.800 min Scan# 31
Delta R.T. -0.088 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

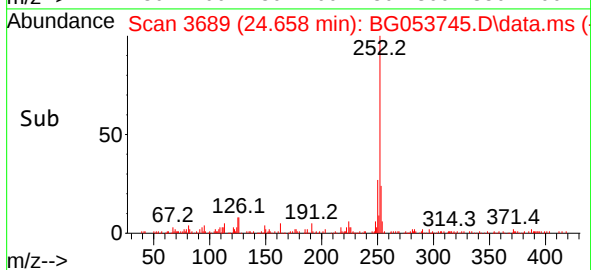
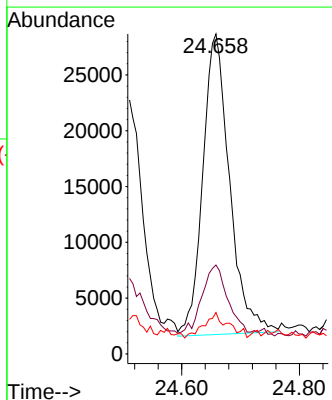
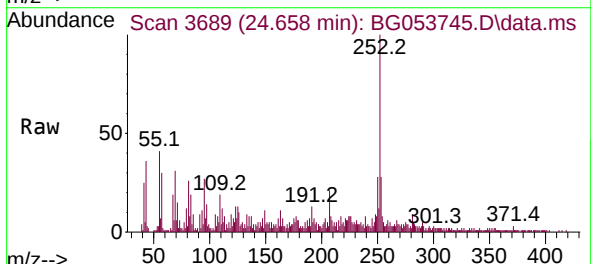
Instrument :
BNA_G
ClientSampleId :
CL-02-052622

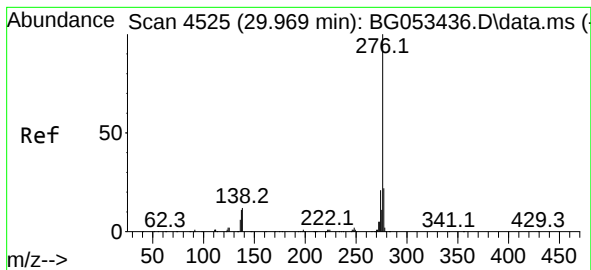
Tgt Ion:252 Resp: 126636
Ion Ratio Lower Upper
252 100
253 32.9 18.4 27.6#
125 10.2 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 12.203 ng
RT: 24.658 min Scan# 3689
Delta R.T. -0.029 min
Lab File: BG053745.D
Acq: 27 May 2022 22:53

Tgt Ion:252 Resp: 85117
Ion Ratio Lower Upper
252 100
253 27.8 17.8 26.8#
125 13.0 4.3 6.5#





#92

Benzo(g,h,i)perylene

Concen: 4.357 ng

RT: 29.628 min Scan# 4

Delta R.T. -0.023 min

Lab File: BG053745.D

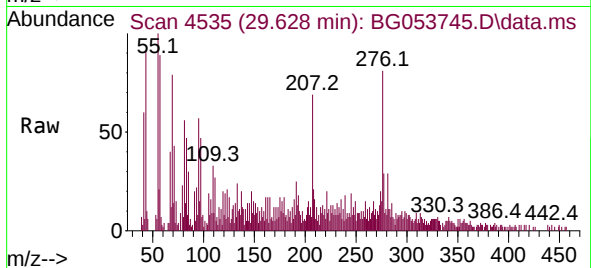
Acq: 27 May 2022 22:53

Instrument :

BNA_G

ClientSampleId :

CL-02-052622



Tgt Ion:276 Resp: 34311

Ion Ratio Lower Upper

276 100

277 35.5 17.3 25.9#

138 15.4 9.6 14.4#

