

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
 Data File : BG055844.D
 Acq On : 30 Nov 2022 16:25
 Operator : CG/JU
 Sample : N5807-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

Quant Time: Dec 01 02:13:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 01 02:10:33 2022
 Response via : Initial Calibration

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

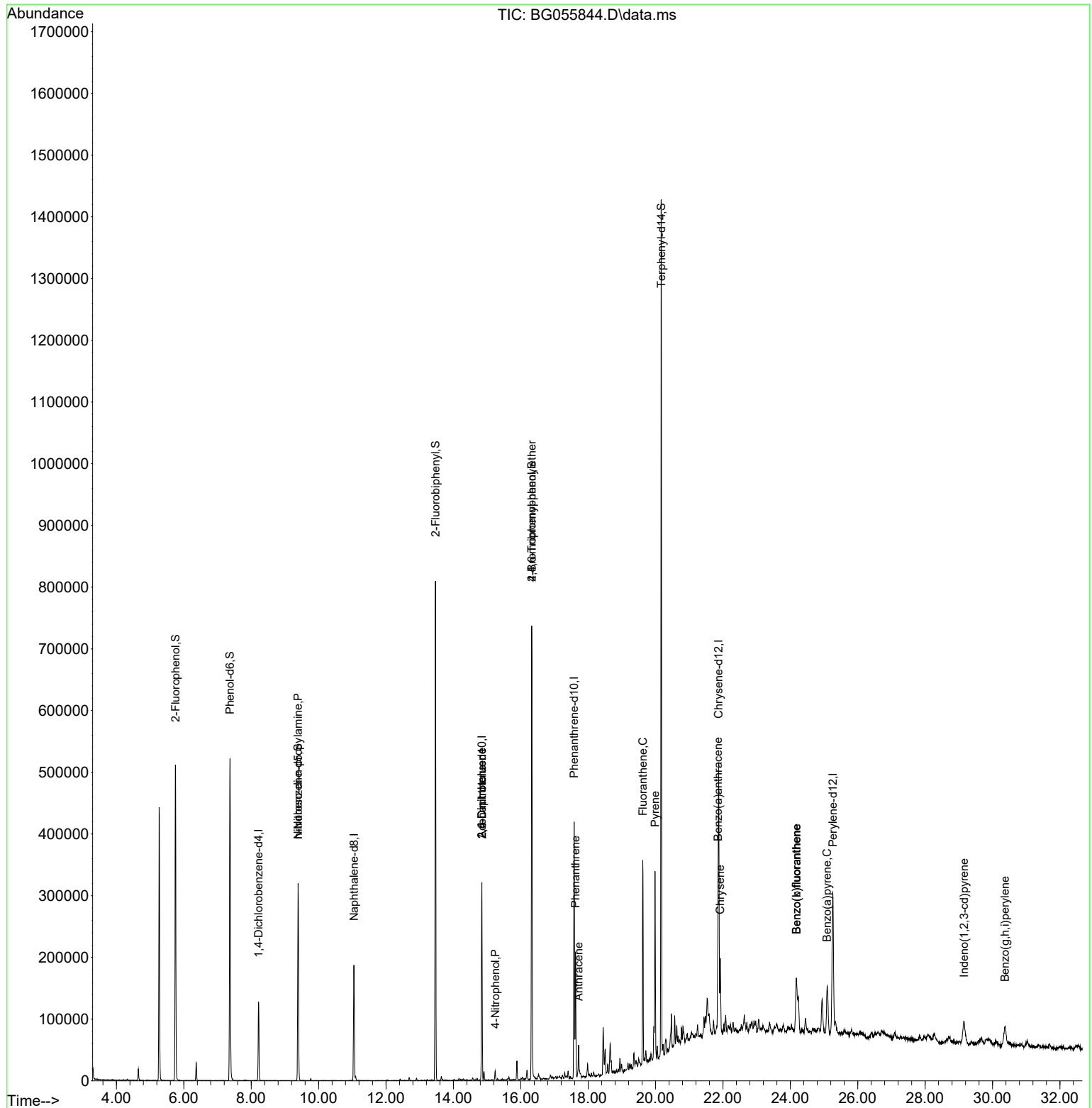
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	37905	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	162347	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	117194	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	266215	20.000	ng	0.00
76) Chrysene-d12	21.871	240	248128	20.000	ng	0.00
86) Perylene-d12	25.261	264	265874	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.755	112	224803	107.198	ng	0.00
7) Phenol-d6	7.371	99	301058	107.847	ng	0.00
23) Nitrobenzene-d5	9.392	82	190277	61.948	ng	0.00
42) 2,4,6-Tribromophenol	16.325	330	160277	97.123	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	427831	54.691	ng	0.00
79) Terphenyl-d14	20.167	244	676788	54.555	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.392	70	26025	12.134	ng	# 74
51) 2,6-Dinitrotoluene	14.844	165	15782	8.262	ng	# 24
56) 4-Nitrophenol	15.244	139	3470	2.108	ng	# 4
57) 2,4-Dinitrotoluene	14.844	165	15782	5.860	ng	# 22
67) 4-Bromophenyl-phenylether	16.325	248	10137	3.342	ng	# 1
71) Phenanthrene	17.623	178	130687	9.097	ng	99
72) Anthracene	17.717	178	34345	2.461	ng	98
75) Fluoranthene	19.621	202	214789	12.290	ng	99
78) Pyrene	19.985	202	190237	11.327	ng	99
81) Benzo(a)anthracene	21.854	228	107444	6.287	ng	99
83) Chrysene	21.918	228	92140	5.663	ng	99
87) Indeno(1,2,3-cd)pyrene	29.157	276	62681	2.878	ng	# 93
88) Benzo(b)fluoranthene	24.180	252	121037	6.990	ng	95
89) Benzo(k)fluoranthene	24.180	252	121037	7.013	ng	95
90) Benzo(a)pyrene	25.091	252	96710	6.509	ng	97
92) Benzo(g,h,i)perylene	30.373	276	64700	3.607	ng	99

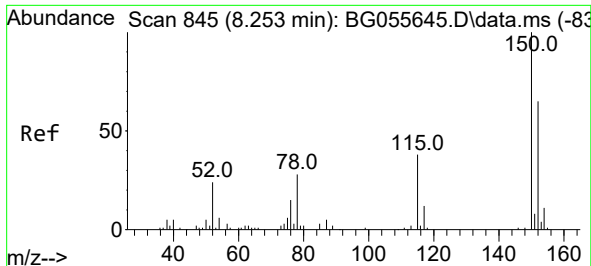
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 01 02:13:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 01 02:10:33 2022
Response via : Initial Calibration

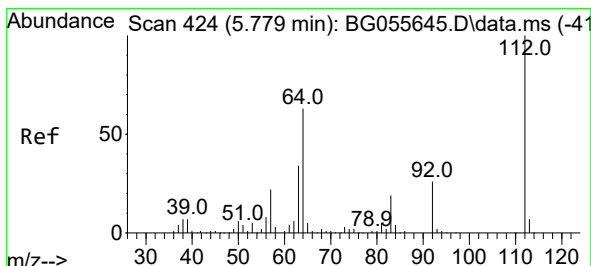
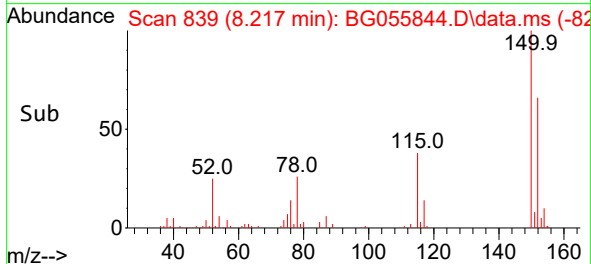
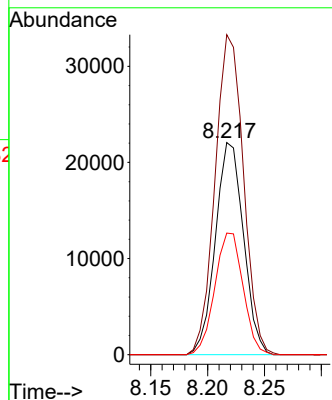
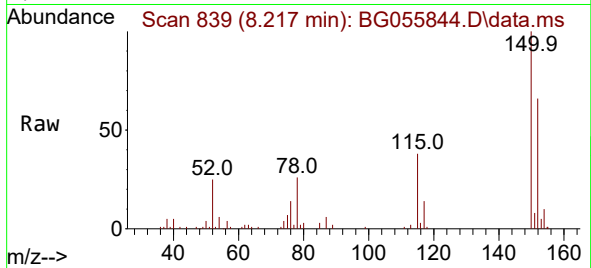




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.217 min Scan# 81
 Delta R.T. -0.002 min
 Lab File: BG055844.D
 Acq: 30 Nov 2022 16:25

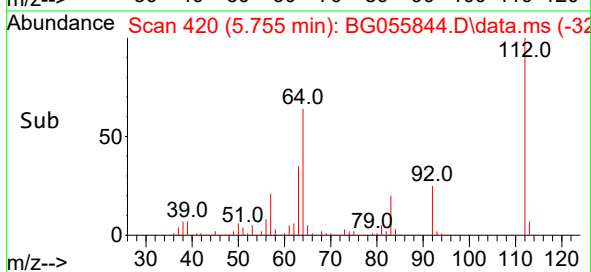
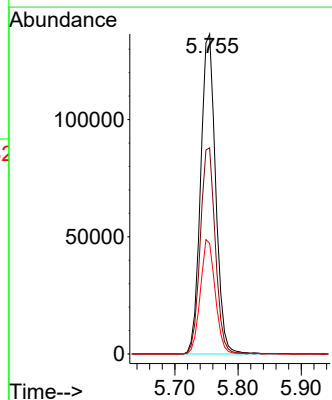
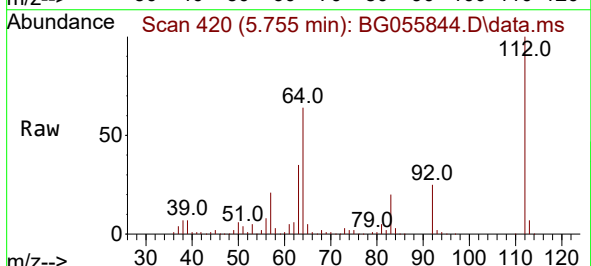
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

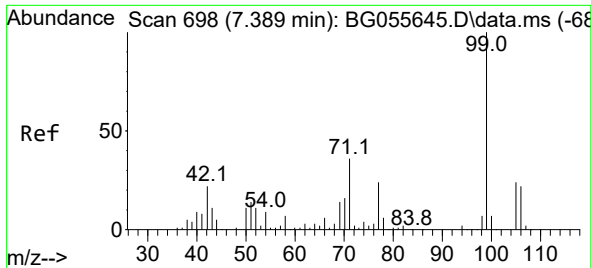
Tgt Ion:152 Resp: 37905
 Ion Ratio Lower Upper
 152 100
 150 150.8 123.0 184.6
 115 57.3 47.0 70.4



#5
 2-Fluorophenol
 Concen: 107.198 ng
 RT: 5.755 min Scan# 420
 Delta R.T. 0.003 min
 Lab File: BG055844.D
 Acq: 30 Nov 2022 16:25

Tgt Ion:112 Resp: 224803
 Ion Ratio Lower Upper
 112 100
 64 64.4 50.6 76.0
 63 34.6 27.5 41.3

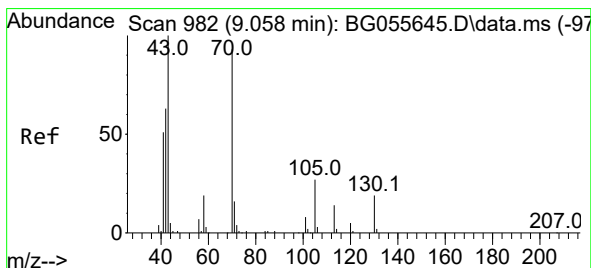
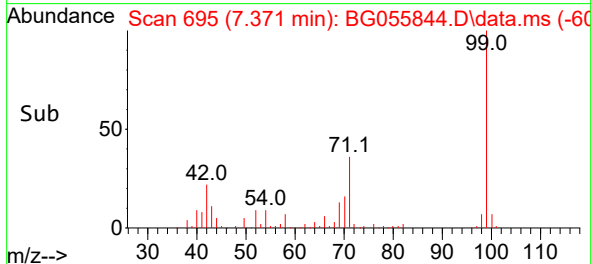
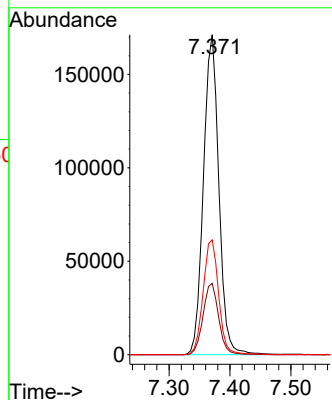
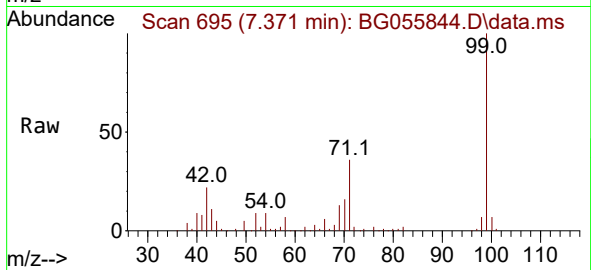




#7
Phenol-d6
Concen: 107.847 ng
RT: 7.371 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

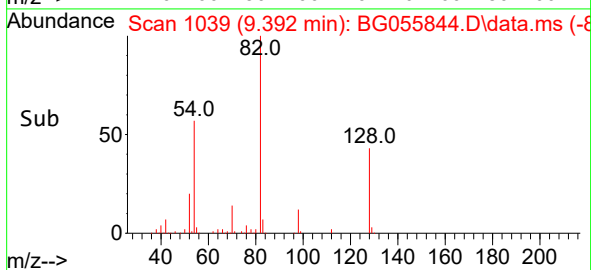
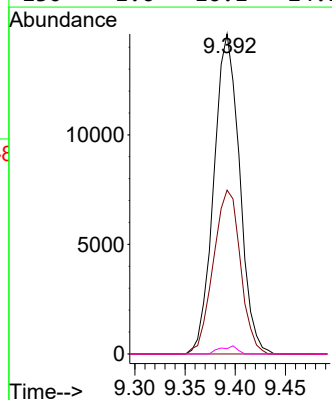
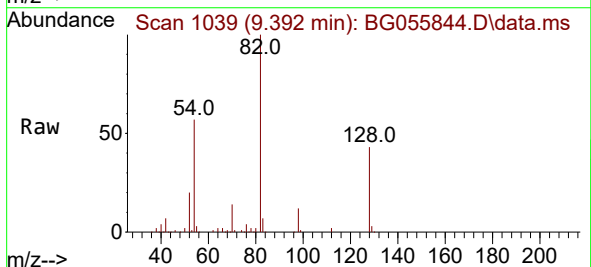
Instrument :
BNA_G
ClientSampleId :
COMP-3

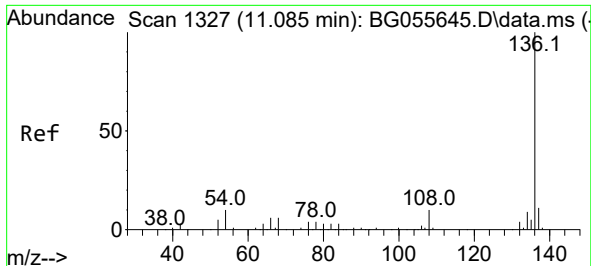
Tgt Ion: 99 Resp: 301058
Ion Ratio Lower Upper
99 100
42 22.3 18.0 27.0
71 35.9 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.134 ng
RT: 9.392 min Scan# 1039
Delta R.T. 0.368 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

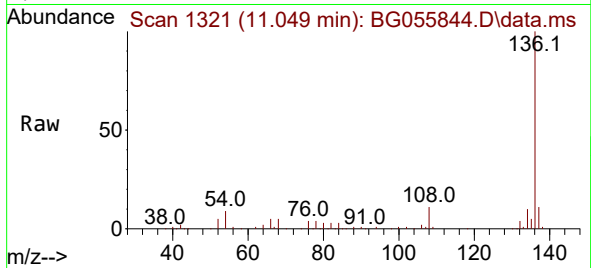
Tgt Ion: 70 Resp: 26025
Ion Ratio Lower Upper
70 100
42 51.2 55.2 82.8#
101 0.0 7.1 10.7#
130 1.6 16.1 24.1#



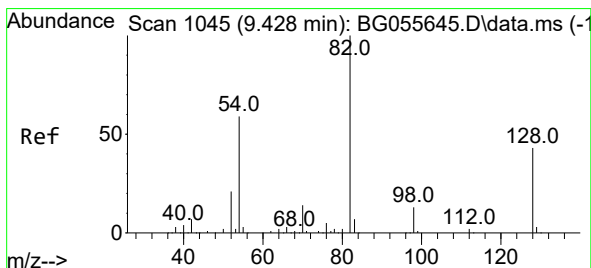
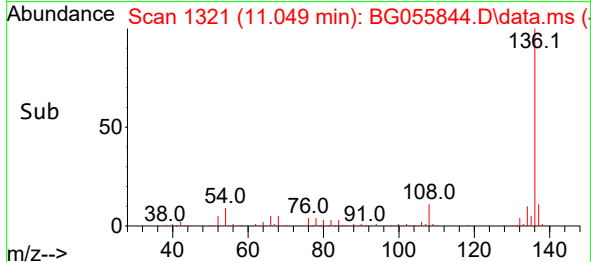
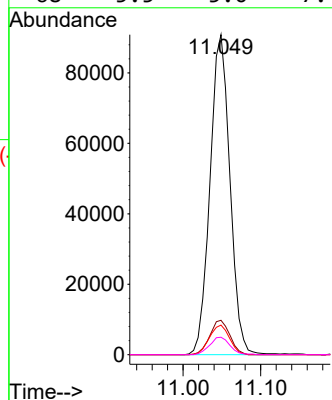


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

Instrument :
BNA_G
ClientSampleId :
COMP-3

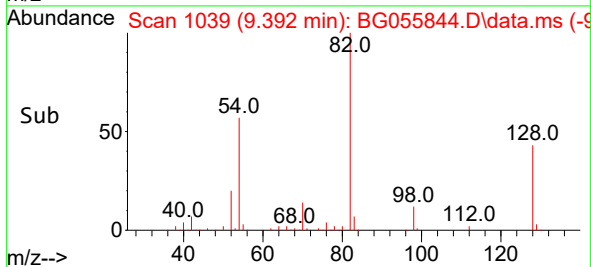
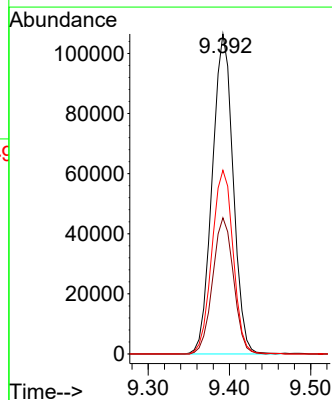
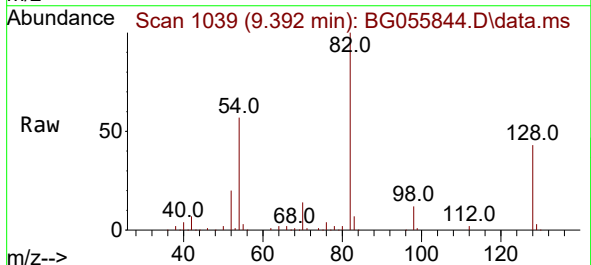


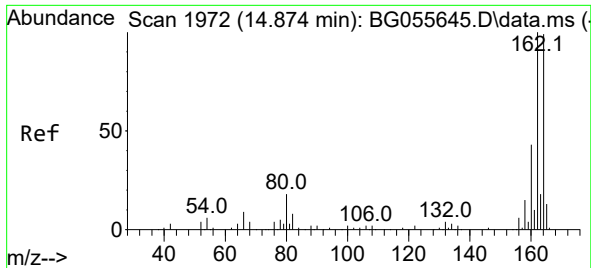
Tgt Ion:136 Resp: 162347
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 9.2 7.8 11.6
68 5.5 5.0 7.4



#23
Nitrobenzene-d5
Concen: 61.948 ng
RT: 9.392 min Scan# 1039
Delta R.T. -0.002 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

Tgt Ion: 82 Resp: 190277
Ion Ratio Lower Upper
82 100
128 42.6 34.1 51.1
54 57.4 47.3 70.9

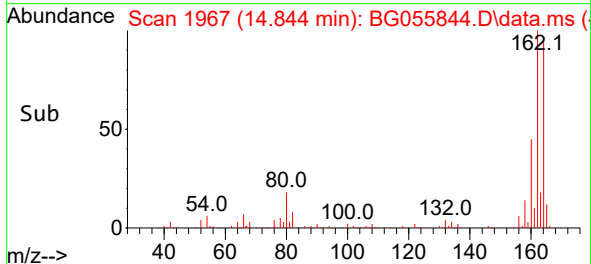
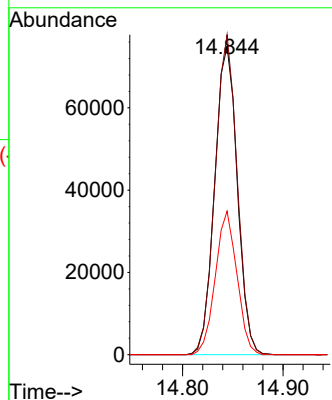
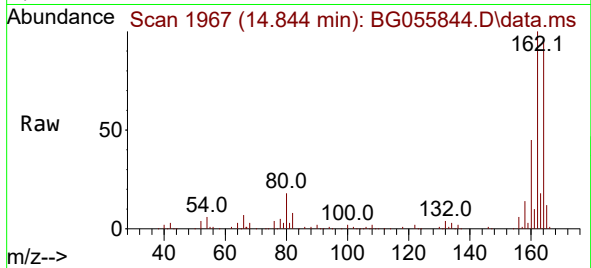




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.844 min Scan# 1972
Delta R.T. -0.002 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

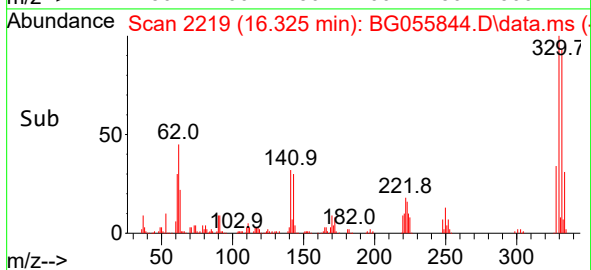
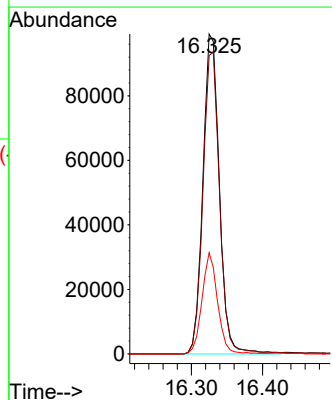
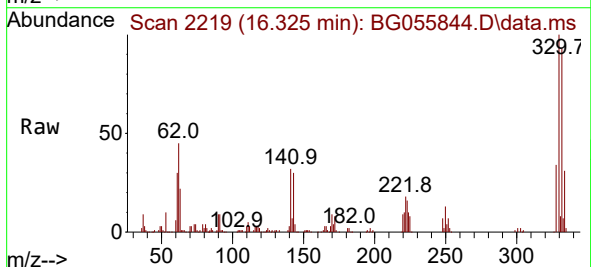
Instrument :
BNA_G
ClientSampleId :
COMP-3

Tgt Ion:164 Resp: 117194
Ion Ratio Lower Upper
164 100
162 103.8 81.1 121.7
160 46.6 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 97.123 ng
RT: 16.325 min Scan# 2219
Delta R.T. -0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

Tgt Ion:330 Resp: 160277
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.8
141 29.9 23.9 35.9

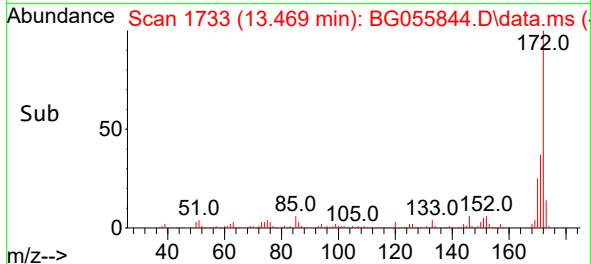
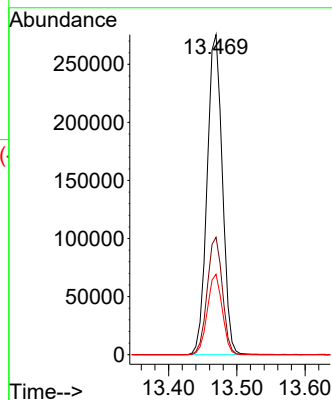
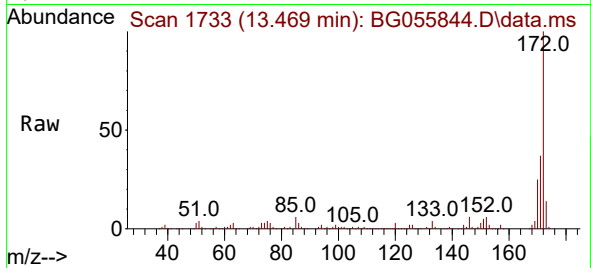




#45
2-Fluorobiphenyl
Concen: 54.691 ng
RT: 13.469 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

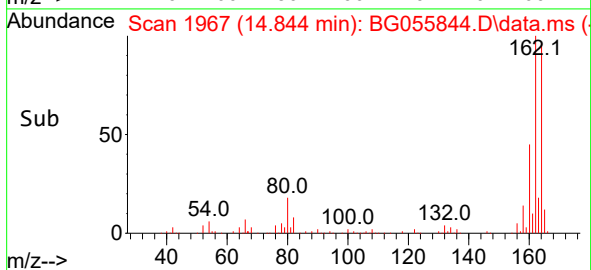
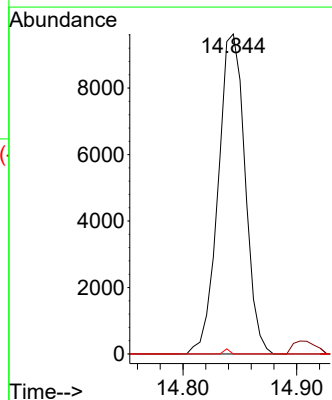
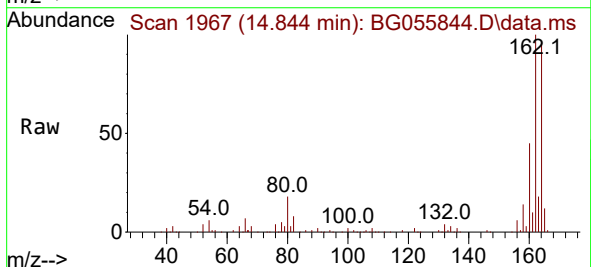
Instrument :
BNA_G
ClientSampleId :
COMP-3

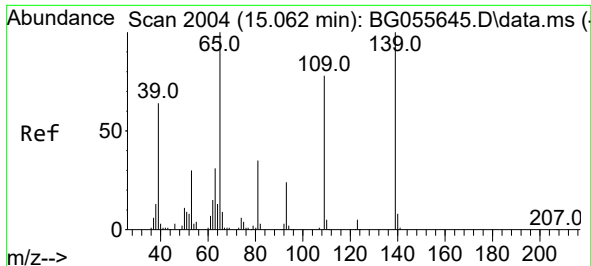
Tgt Ion:172 Resp: 427831
Ion Ratio Lower Upper
172 100
171 36.7 29.8 44.6
170 25.1 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.262 ng
RT: 14.844 min Scan# 1967
Delta R.T. 0.426 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

Tgt Ion:165 Resp: 15782
Ion Ratio Lower Upper
165 100
63 0.0 44.6 66.8#
89 0.0 42.2 63.4#

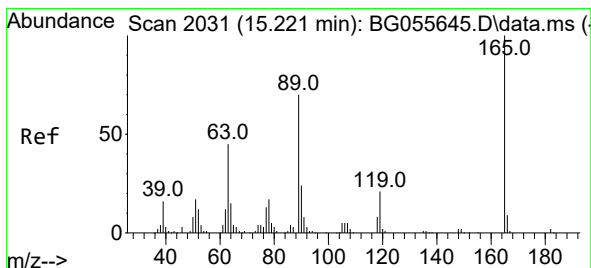
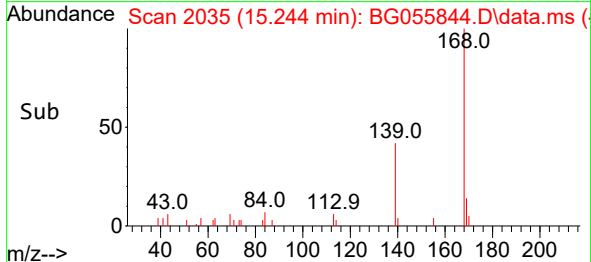
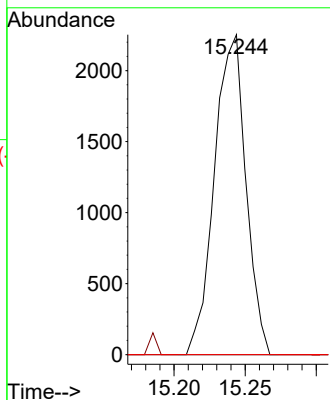
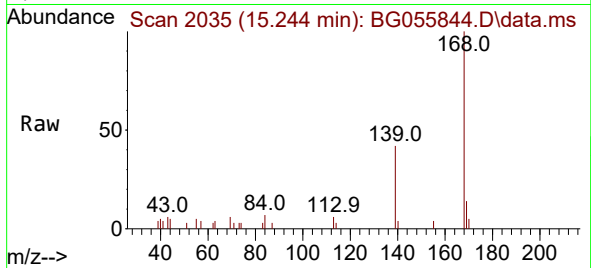




#56
4-Nitrophenol
Concen: 2.108 ng
RT: 15.244 min Scan# 20
Delta R.T. 0.191 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

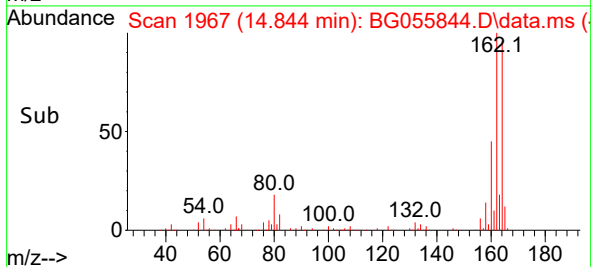
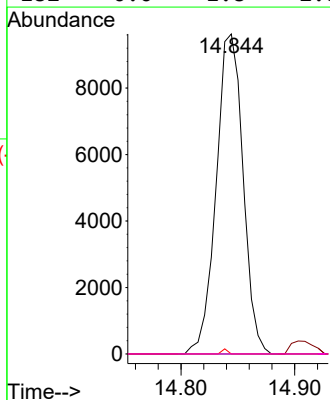
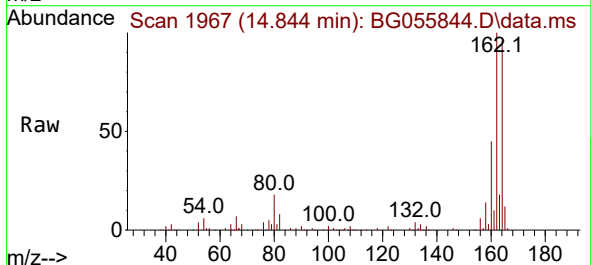
Instrument :
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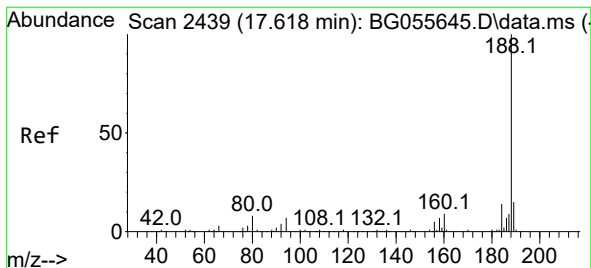
Tgt Ion:139 Resp: 3470
Ion Ratio Lower Upper
139 100
109 0.0 58.6 98.6#
65 0.0 80.5 120.5#



#57
2,4-Dinitrotoluene
Concen: 5.860 ng
RT: 14.844 min Scan# 1967
Delta R.T. -0.355 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

Tgt Ion:165 Resp: 15782
Ion Ratio Lower Upper
165 100
63 0.0 35.8 53.8#
89 0.0 56.2 84.4#
182 0.0 1.8 2.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.582 min Scan# 2439

Delta R.T. -0.003 min

Lab File: BG055844.D

Acq: 30 Nov 2022 16:25

Instrument :

BNA_G

ClientSampleId :

COMP-3

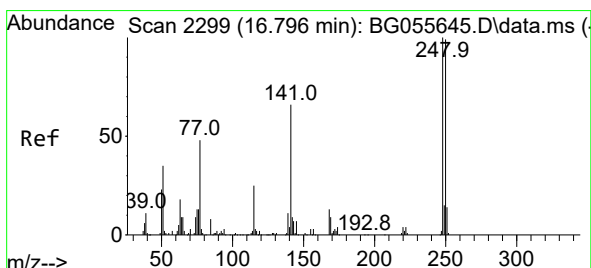
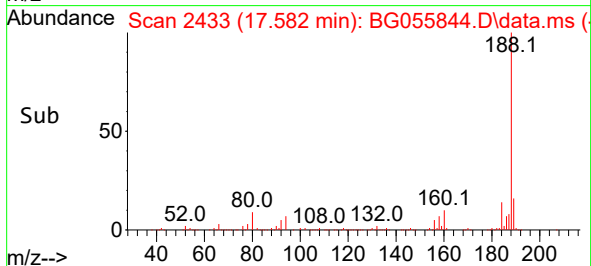
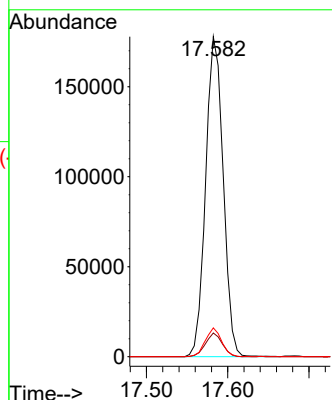
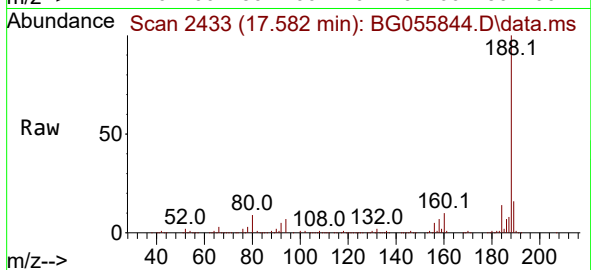
Tgt Ion:188 Resp: 266215

Ion Ratio Lower Upper

188 100

94 7.4 5.4 8.2

80 9.0 6.6 10.0



#67

4-Bromophenyl-phenylether

Concen: 3.342 ng

RT: 16.325 min Scan# 2219

Delta R.T. -0.437 min

Lab File: BG055844.D

Acq: 30 Nov 2022 16:25

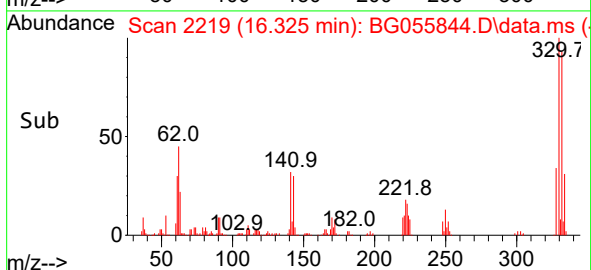
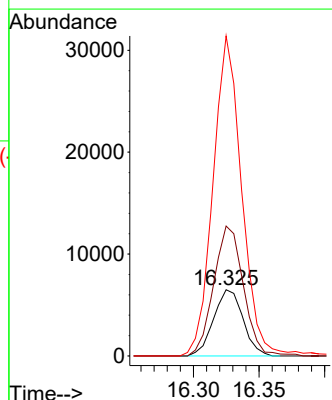
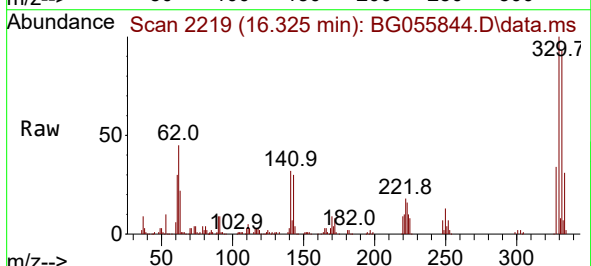
Tgt Ion:248 Resp: 10137

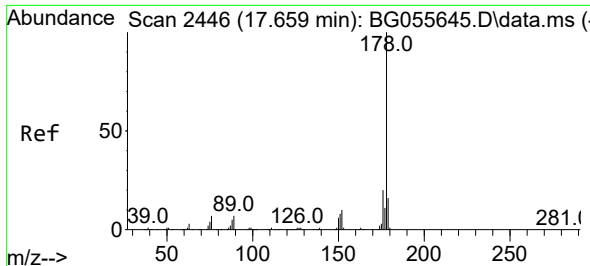
Ion Ratio Lower Upper

248 100

250 196.2 79.0 118.4#

141 483.4 52.9 79.3#

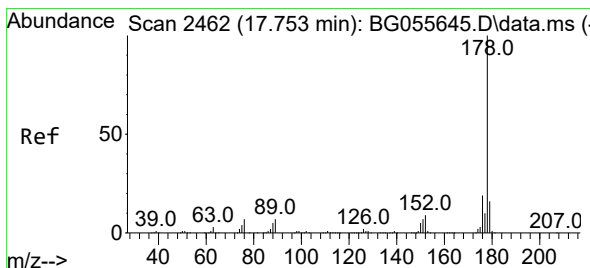
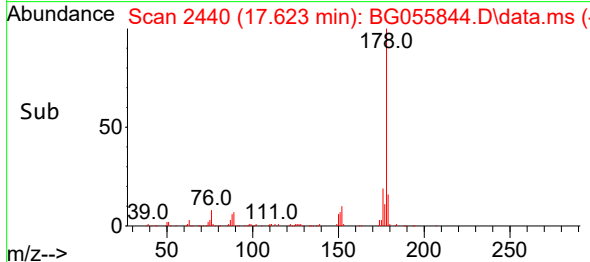
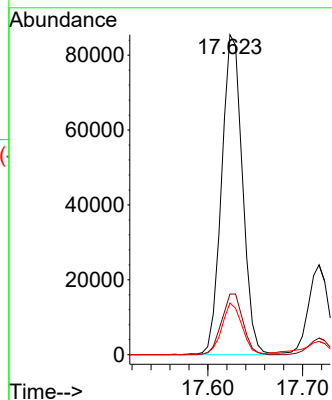
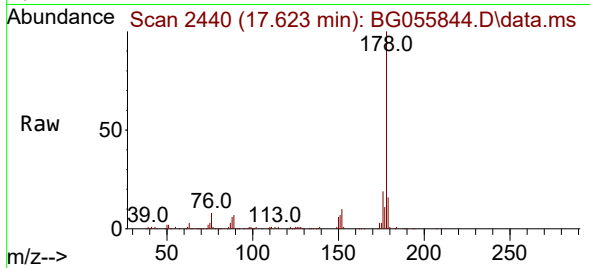




#71
Phenanthrene
Concen: 9.097 ng
RT: 17.623 min Scan# 2440
Delta R.T. -0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

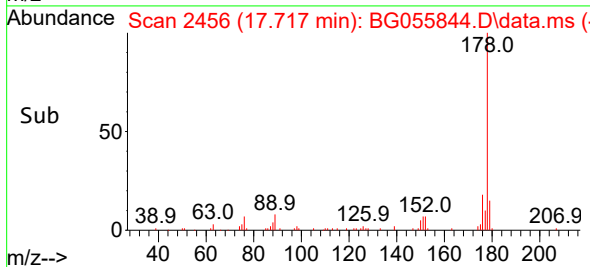
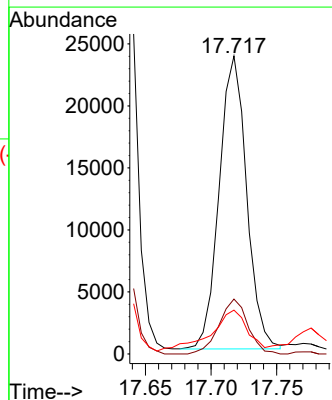
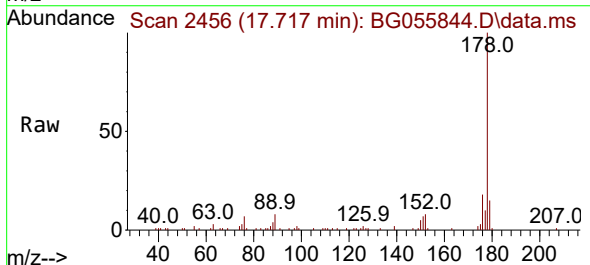
Instrument :
BNA_G
ClientSampleId :
COMP-3

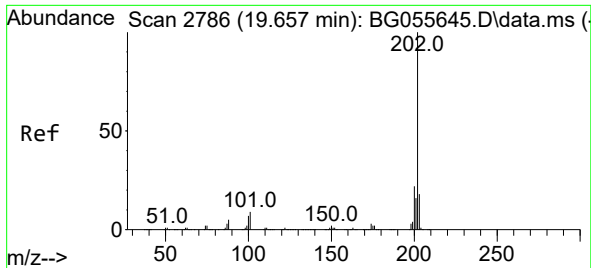
Tgt Ion:178 Resp: 130687
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 16.1 12.7 19.1



#72
Anthracene
Concen: 2.461 ng
RT: 17.717 min Scan# 2456
Delta R.T. -0.002 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

Tgt Ion:178 Resp: 34345
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 14.7 12.5 18.7

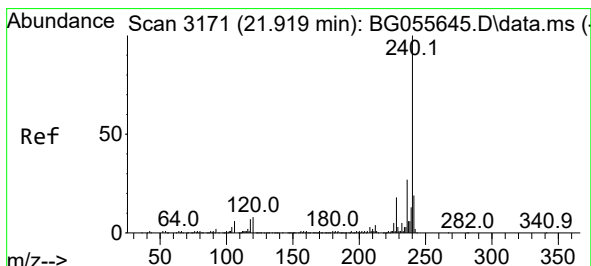
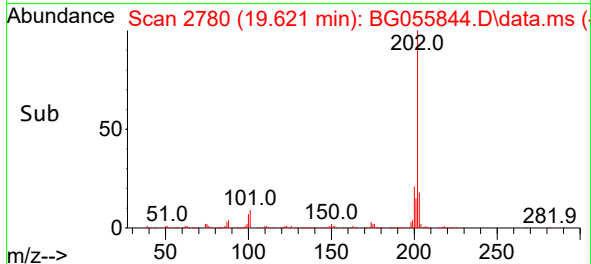
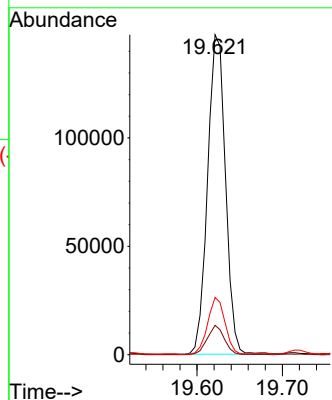
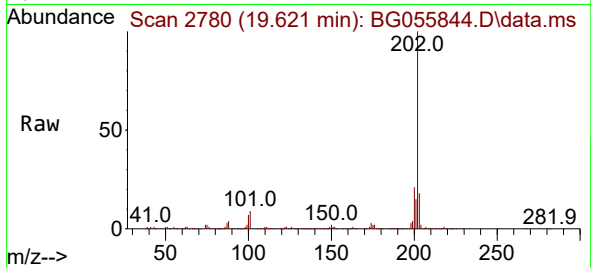




#75
Fluoranthene
Concen: 12.290 ng
RT: 19.621 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

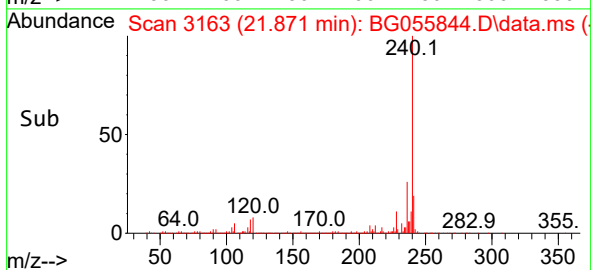
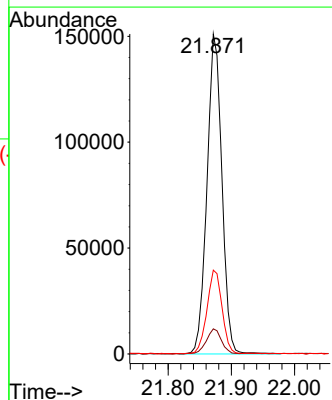
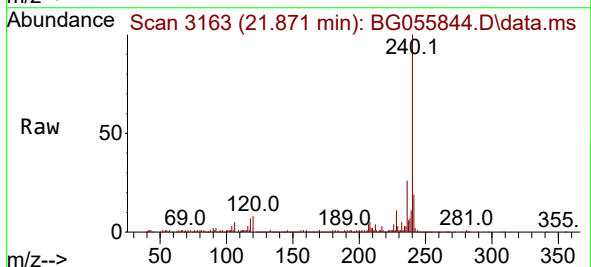
Instrument :
BNA_G
ClientSampleId :
COMP-3

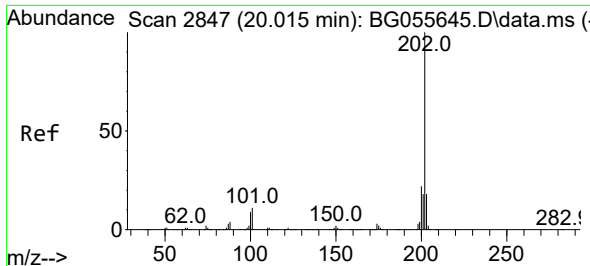
Tgt Ion:202 Resp: 214789
Ion Ratio Lower Upper
202 100
101 9.1 0.0 28.8
203 17.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.871 min Scan# 3163
Delta R.T. -0.008 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

Tgt Ion:240 Resp: 248128
Ion Ratio Lower Upper
240 100
120 7.9 6.3 9.5
236 26.2 21.9 32.9

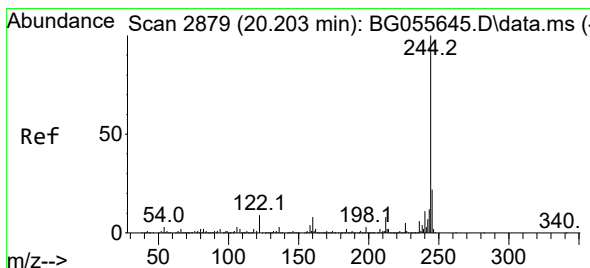
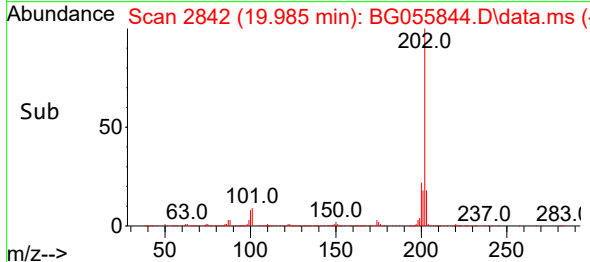
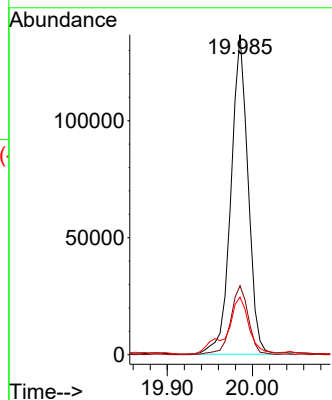
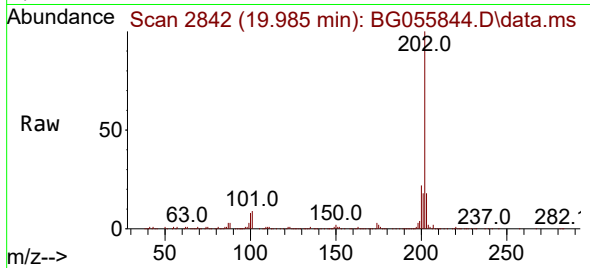




#78
 Pyrene
 Concen: 11.327 ng
 RT: 19.985 min Scan# 2842
 Delta R.T. -0.003 min
 Lab File: BG055844.D
 Acq: 30 Nov 2022 16:25

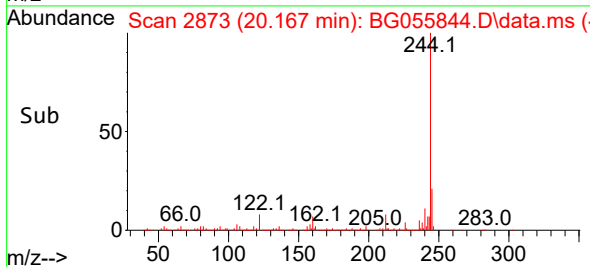
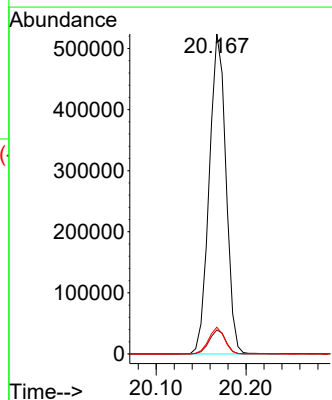
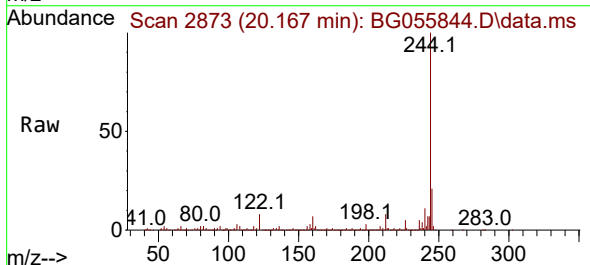
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

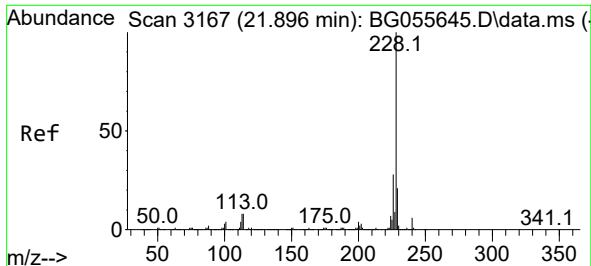
Tgt Ion:202 Resp: 190237
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.8 26.6
 203 18.0 14.4 21.6



#79
 Terphenyl-d14
 Concen: 54.555 ng
 RT: 20.167 min Scan# 2873
 Delta R.T. -0.003 min
 Lab File: BG055844.D
 Acq: 30 Nov 2022 16:25

Tgt Ion:244 Resp: 676788
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.3 9.5
 122 8.3 6.9 10.3

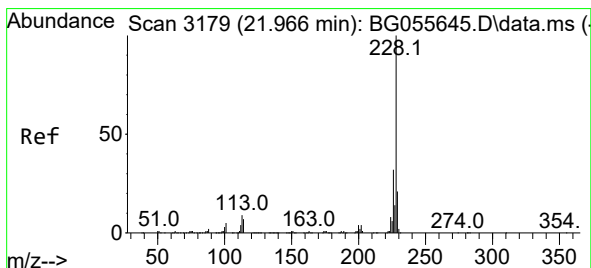
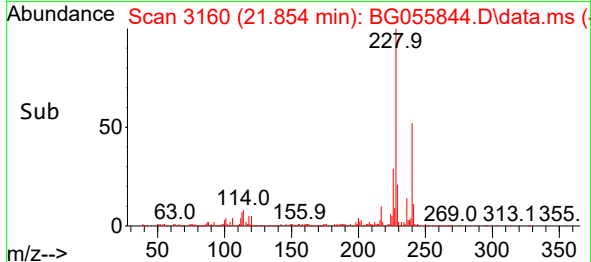
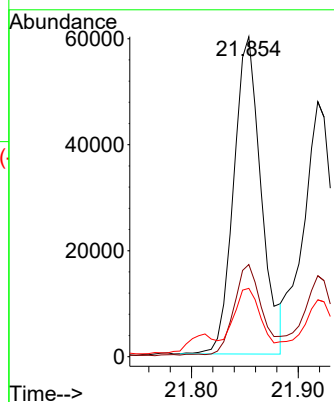
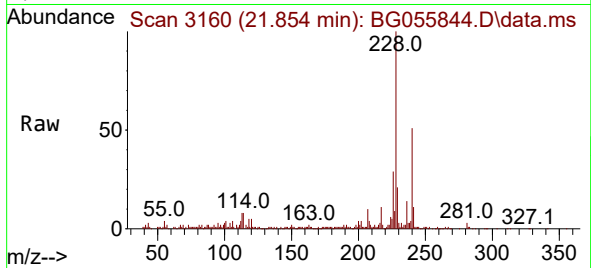




#81
Benzo(a)anthracene
Concen: 6.287 ng
RT: 21.854 min Scan# 3160
Delta R.T. -0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

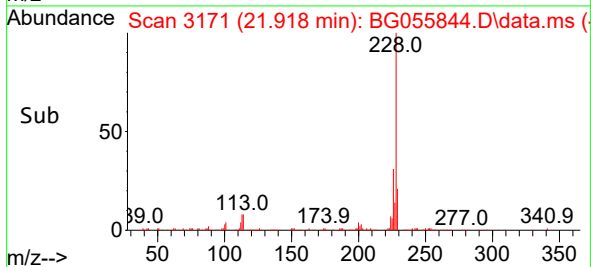
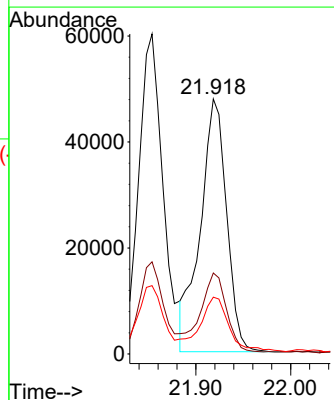
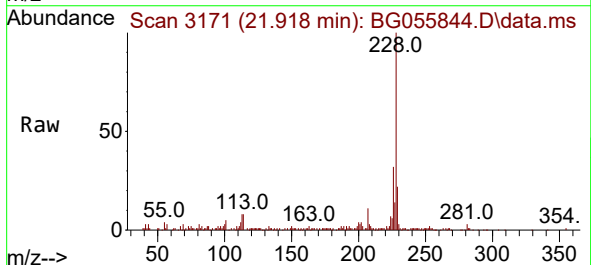
Instrument :
BNA_G
ClientSampleId :
COMP-3

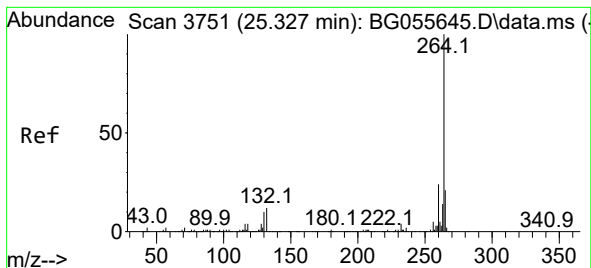
Tgt Ion:228 Resp: 107444
Ion Ratio Lower Upper
228 100
226 28.8 22.7 34.1
229 21.4 16.5 24.7



#83
Chrysene
Concen: 5.663 ng
RT: 21.918 min Scan# 3171
Delta R.T. -0.008 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

Tgt Ion:228 Resp: 92140
Ion Ratio Lower Upper
228 100
226 31.7 25.4 38.2
229 22.3 17.1 25.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.261 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG055844.D

Acq: 30 Nov 2022 16:25

Instrument :

BNA_G

ClientSampleId :

COMP-3

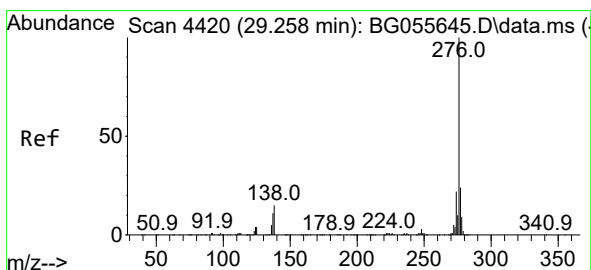
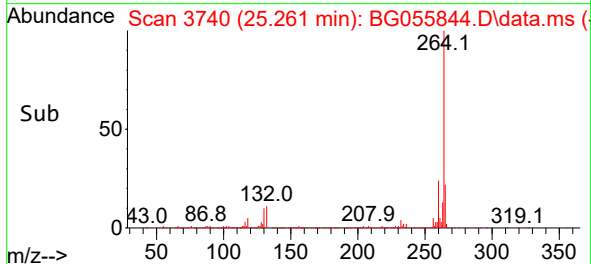
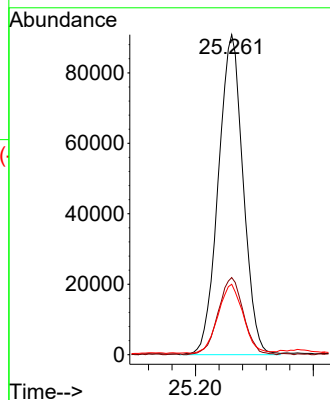
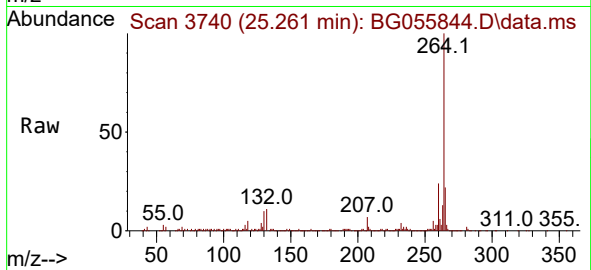
Tgt Ion:264 Resp: 265874

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 22.0 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.878 ng

RT: 29.157 min Scan# 4403

Delta R.T. -0.014 min

Lab File: BG055844.D

Acq: 30 Nov 2022 16:25

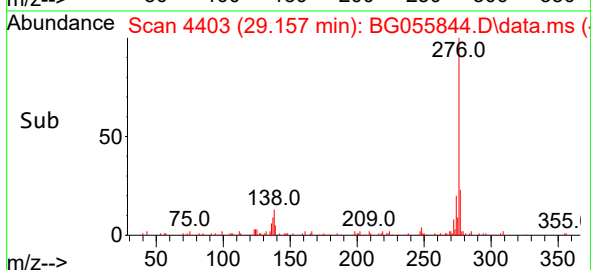
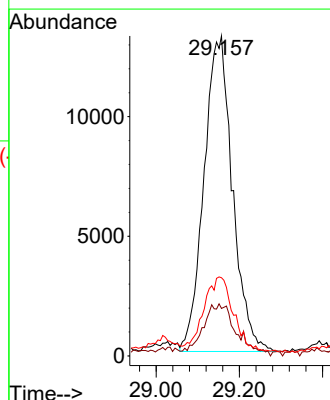
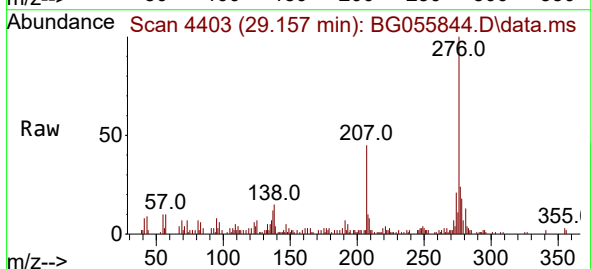
Tgt Ion:276 Resp: 62681

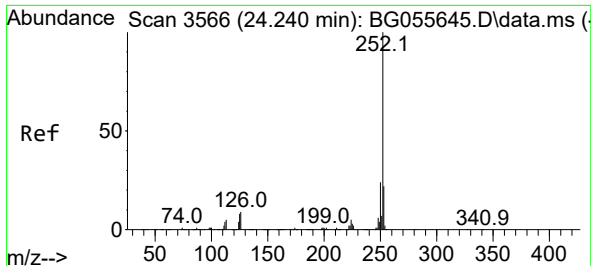
Ion Ratio Lower Upper

276 100

138 19.4 10.4 15.6#

277 24.3 20.2 30.4

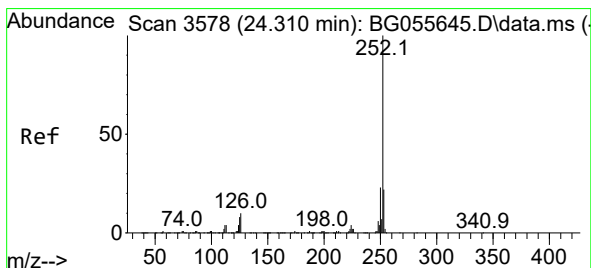
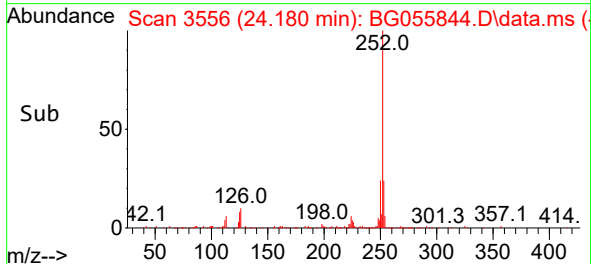
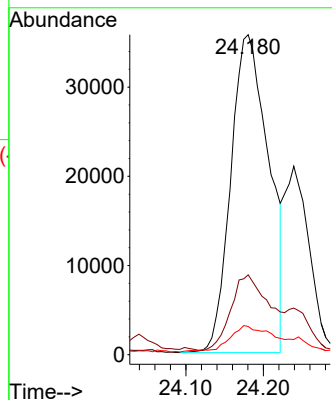
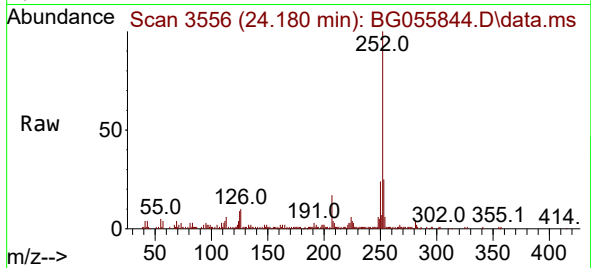




#88
Benzo(b)fluoranthene
Concen: 6.990 ng
RT: 24.180 min Scan# 3556
Delta R.T. 0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

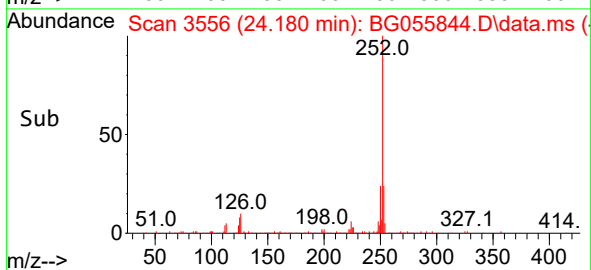
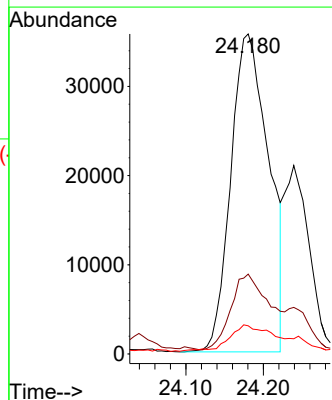
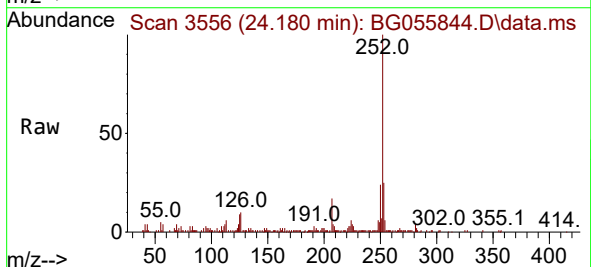
Instrument :
BNA_G
ClientSampleId :
COMP-3

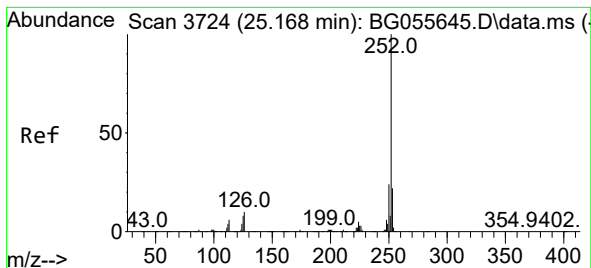
Tgt Ion:252 Resp: 121037
Ion Ratio Lower Upper
252 100
253 24.9 18.0 27.0
125 8.8 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 7.013 ng
RT: 24.180 min Scan# 3556
Delta R.T. -0.073 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

Tgt Ion:252 Resp: 121037
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.6
125 8.8 6.1 9.1





#90

Benzo(a)pyrene

Concen: 6.509 ng

RT: 25.091 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG055844.D

Acq: 30 Nov 2022 16:25

Instrument :

BNA_G

ClientSampleId :

COMP-3

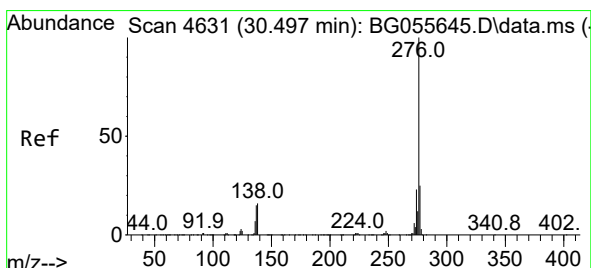
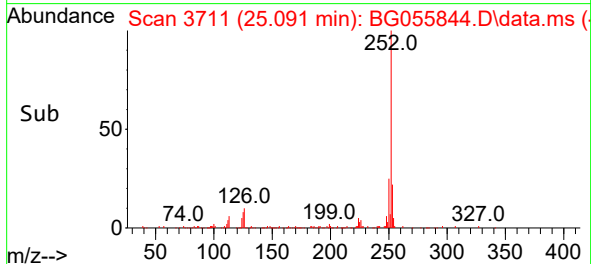
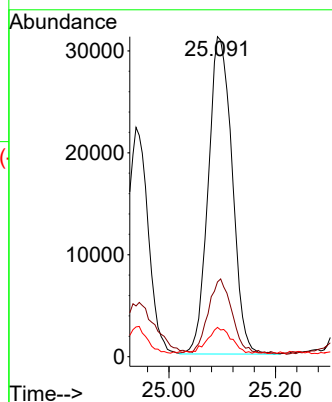
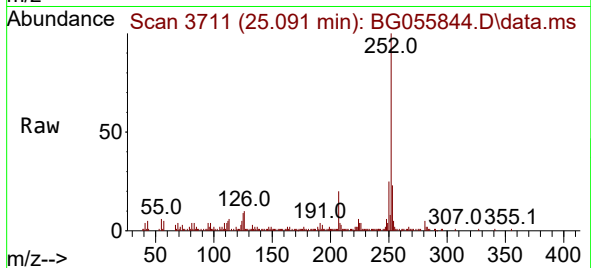
Tgt Ion:252 Resp: 96710

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 9.1 6.4 9.6



#92

Benzo(g,h,i)perylene

Concen: 3.607 ng

RT: 30.373 min Scan# 4610

Delta R.T. -0.026 min

Lab File: BG055844.D

Acq: 30 Nov 2022 16:25

Tgt Ion:276 Resp: 64700

Ion Ratio Lower Upper

276 100

277 24.8 19.8 29.6

138 15.0 13.1 19.7

