

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
 Data File : BG055852.D
 Acq On : 30 Nov 2022 21:58
 Operator : CG/JU
 Sample : N5801-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-13

Quant Time: Dec 01 02:15:22 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

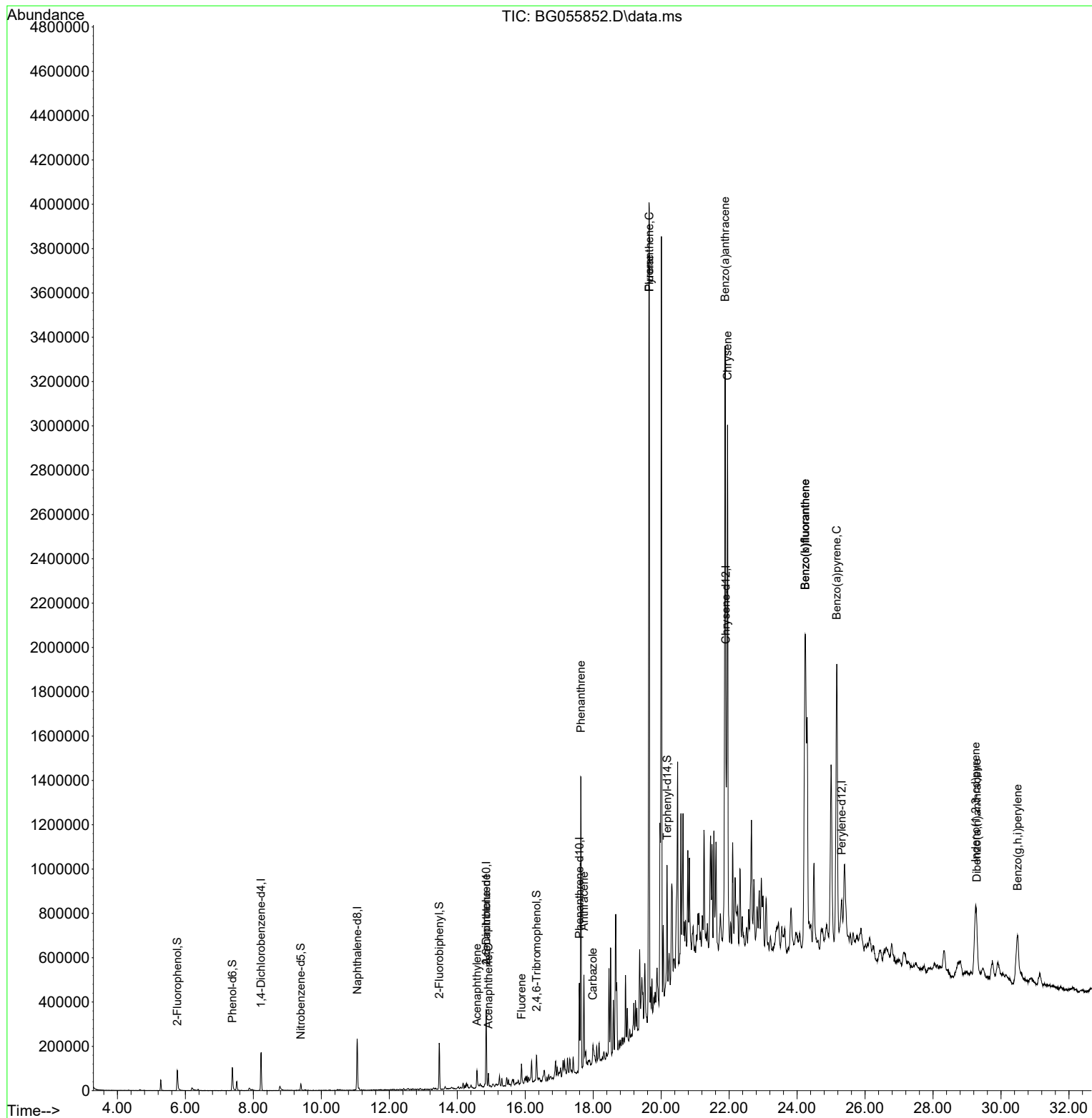
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.228	152	50180	20.000	ng	0.00
21) Naphthalene-d8	11.054	136	197200	20.000	ng	0.00
39) Acenaphthene-d10	14.850	164	130816	20.000	ng	0.00
64) Phenanthrene-d10	17.594	188	270059	20.000	ng	0.00
76) Chrysene-d12	21.900	240	247472	20.000	ng	0.02
86) Perylene-d12	25.314	264	232234	20.000	ng	# 0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.761	112	53507	19.274	ng	0.00
7) Phenol-d6	7.382	99	67057	18.145	ng	0.00
23) Nitrobenzene-d5	9.397	82	17838	4.781	ng	0.00
42) 2,4,6-Tribromophenol	16.336	330	21383	11.608	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	109797	12.574	ng	0.00
79) Terphenyl-d14	20.179	244	156828	12.675	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.580	152	85434	7.002	ng	98
51) 2,6-Dinitrotoluene	14.850	165	18421	8.639	ng	# 28
52) Acenaphthene	14.915	154	20304	2.546	ng	97
58) Fluorene	15.890	166	40318	4.103	ng	# 93
71) Phenanthrene	17.641	178	882501	60.555	ng	99
72) Anthracene	17.729	178	291179	20.564	ng	99
73) Carbazole	17.993	167	47351	3.720	ng	98
75) Fluoranthene	19.650	202	2568958	144.895	ng	94
78) Pyrene	19.650	202	2568958	153.362	ng	93
81) Benzo(a)anthracene	21.883	228	1865652	109.455	ng	94
83) Chrysene	21.953	228	1674930	103.221	ng	93
87) Indeno(1,2,3-cd)pyrene	29.251	276	720006	37.845	ng	95
88) Benzo(b)fluoranthene	24.239	252	2189173	144.745	ng	96
89) Benzo(k)fluoranthene	24.239	252	2189173	145.209	ng	95
90) Benzo(a)pyrene	25.167	252	1755327	135.247	ng	95
91) Dibenzo(a,h)anthracene	29.292	278	186993	12.028	ng	# 89
92) Benzo(g,h,i)perylene	30.490	276	603714	38.528	ng	97

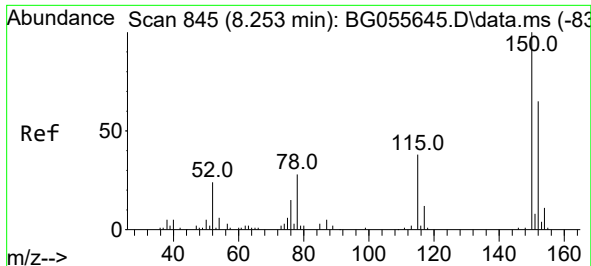
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

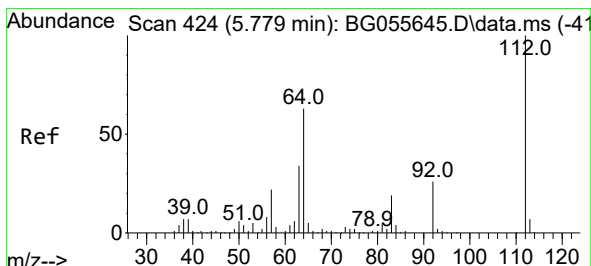
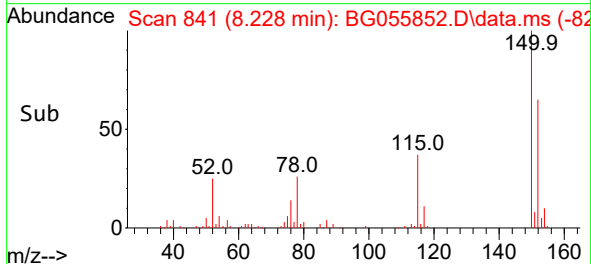
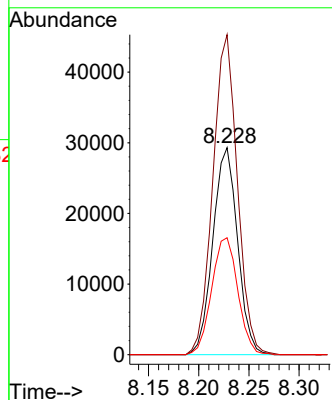
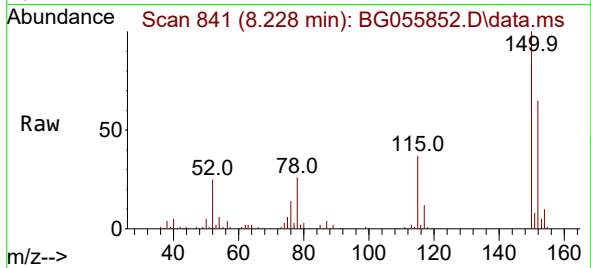




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.228 min Scan# 845
Delta R.T. 0.009 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

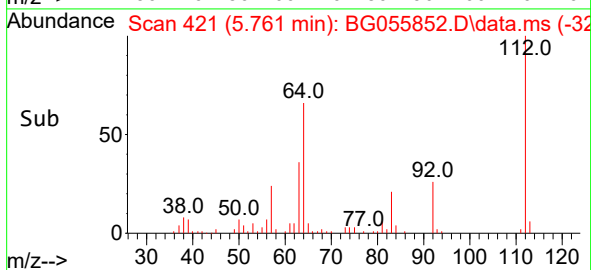
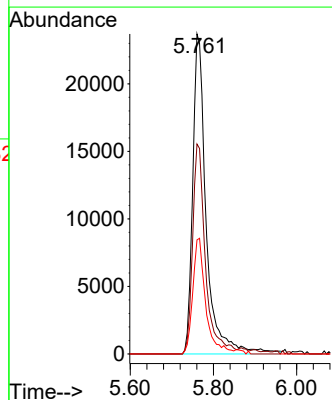
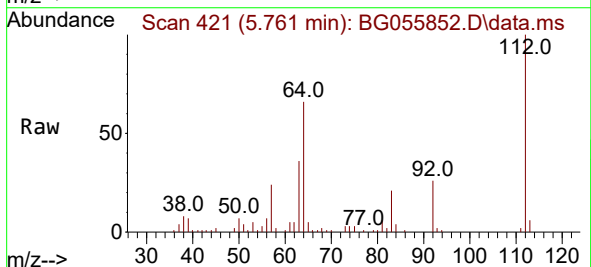
Instrument :
BNA_G
ClientSampleId :
TP-13

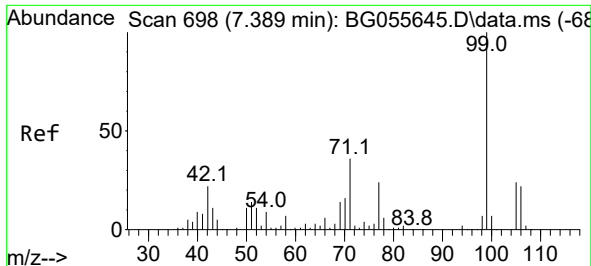
Tgt Ion:152 Resp: 50180
Ion Ratio Lower Upper
152 100
150 154.6 123.0 184.6
115 56.5 47.0 70.4



#5
2-Fluorophenol
Concen: 19.274 ng
RT: 5.761 min Scan# 421
Delta R.T. 0.009 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:112 Resp: 53507
Ion Ratio Lower Upper
112 100
64 65.6 50.6 76.0
63 35.6 27.5 41.3

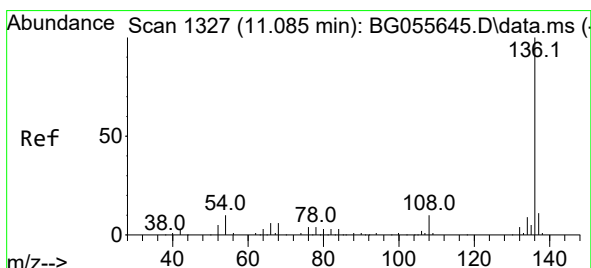
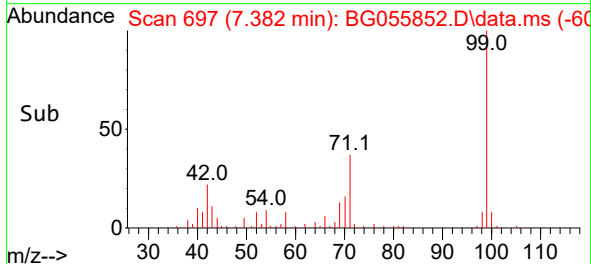
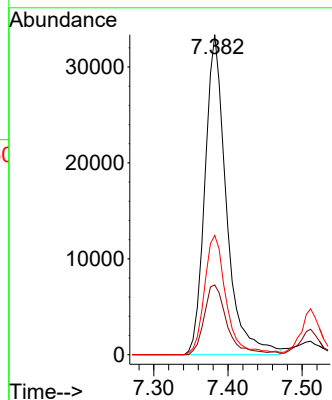
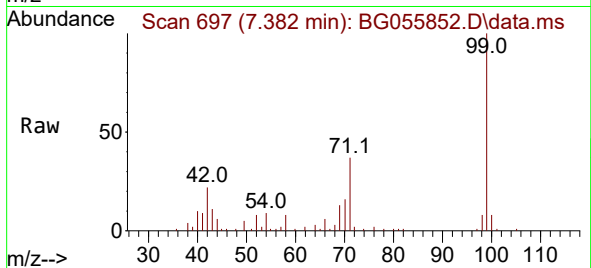




#7
Phenol-d6
Concen: 18.145 ng
RT: 7.382 min Scan# 697
Delta R.T. 0.009 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

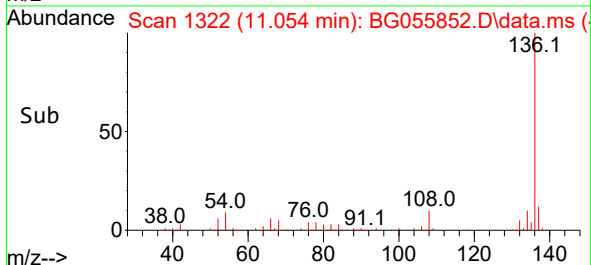
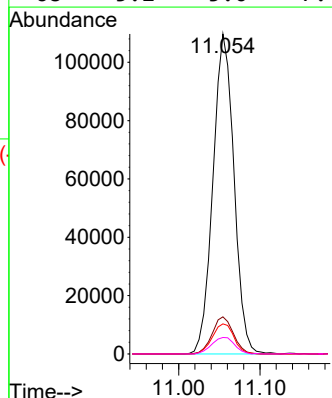
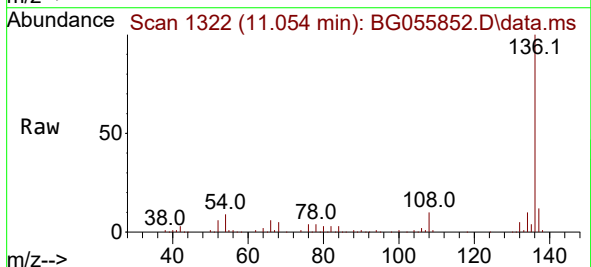
Instrument :
BNA_G
ClientSampleId :
TP-13

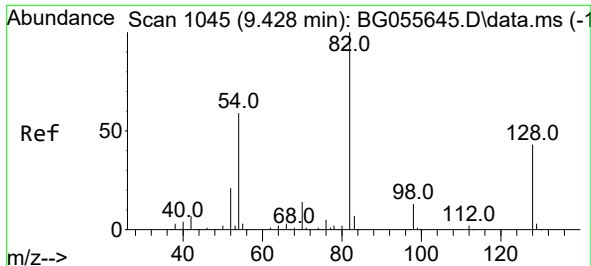
Tgt Ion: 99 Resp: 67057
Ion Ratio Lower Upper
99 100
42 21.8 18.0 27.0
71 37.2 29.0 43.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.054 min Scan# 1322
Delta R.T. 0.003 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:136 Resp: 197200
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 9.4 7.8 11.6
68 5.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 4.781 ng

RT: 9.397 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

Instrument :

BNA_G

ClientSampleId :

TP-13

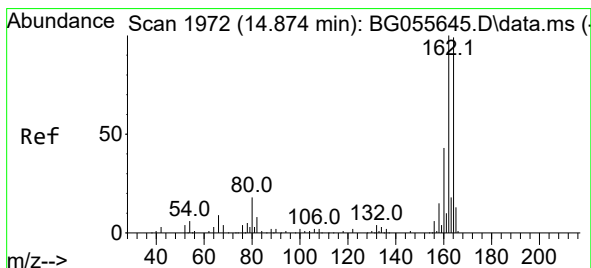
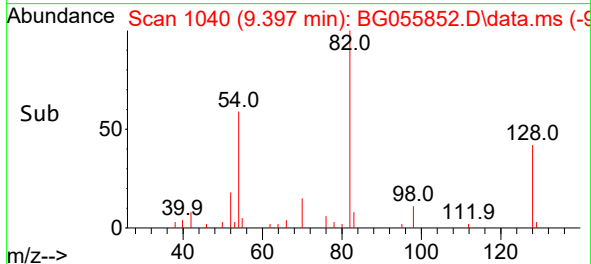
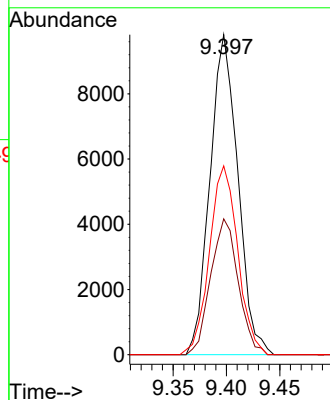
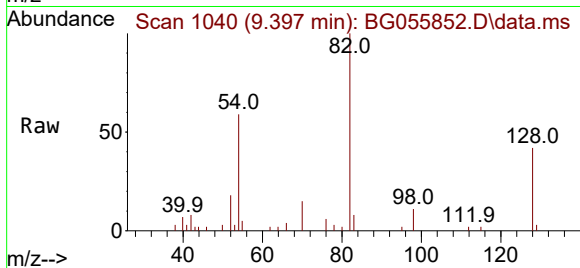
Tgt Ion: 82 Resp: 17838

Ion Ratio Lower Upper

82 100

128 42.5 34.1 51.1

54 59.0 47.3 70.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.850 min Scan# 1968

Delta R.T. 0.003 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

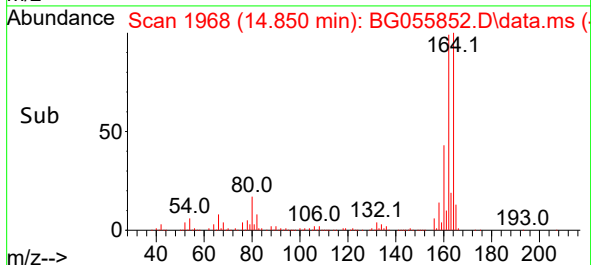
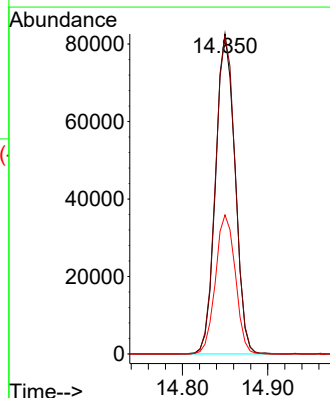
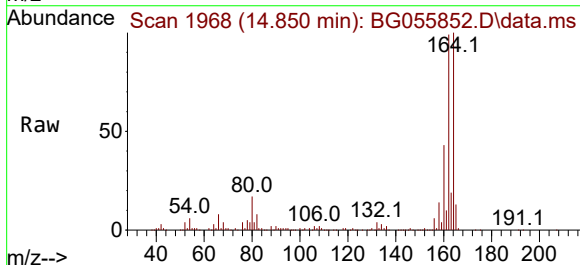
Tgt Ion:164 Resp: 130816

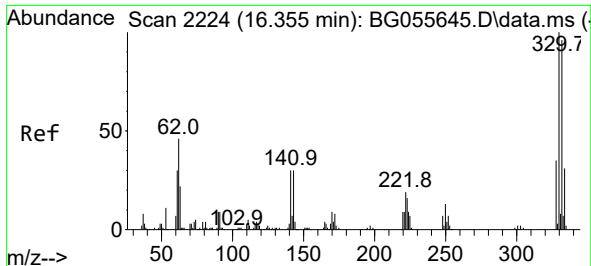
Ion Ratio Lower Upper

164 100

162 99.4 81.1 121.7

160 43.4 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 11.608 ng

RT: 16.336 min Scan# 21

Delta R.T. 0.009 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

Instrument :

BNA_G

ClientSampleId :

TP-13

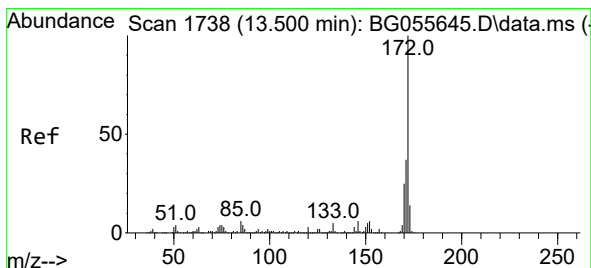
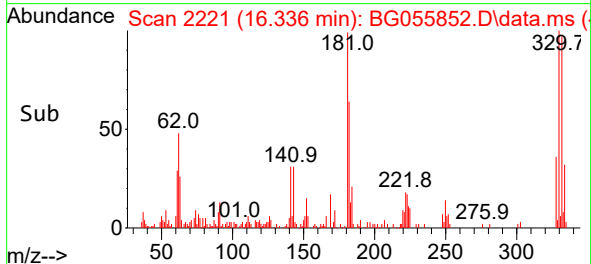
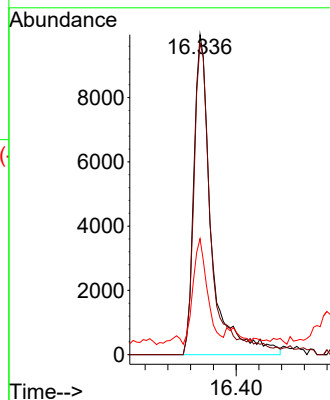
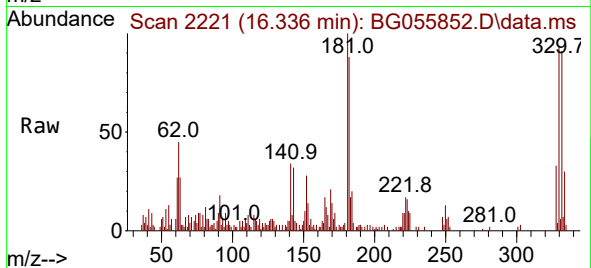
Tgt Ion:330 Resp: 21383

Ion Ratio Lower Upper

330 100

332 96.3 77.8 116.8

141 26.8 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 12.574 ng

RT: 13.469 min Scan# 1733

Delta R.T. -0.003 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

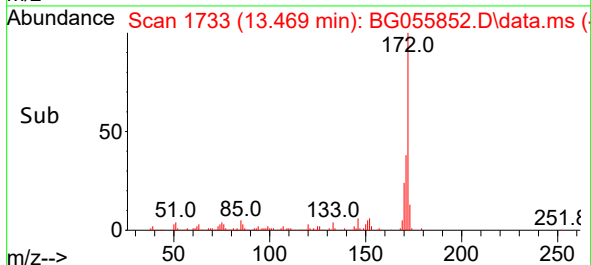
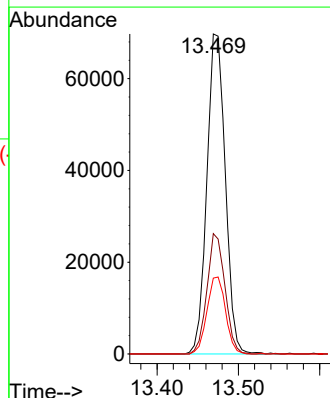
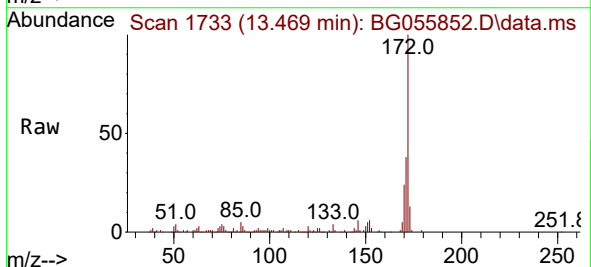
Tgt Ion:172 Resp: 109797

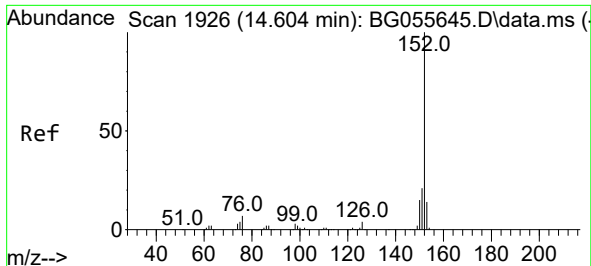
Ion Ratio Lower Upper

172 100

171 37.6 29.8 44.6

170 23.7 20.2 30.4

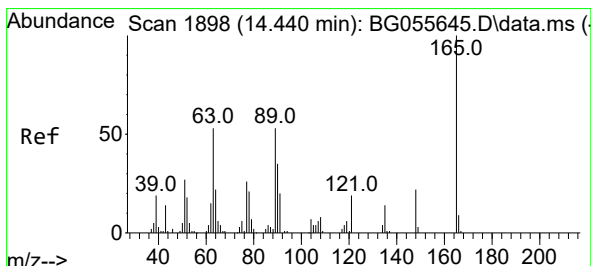
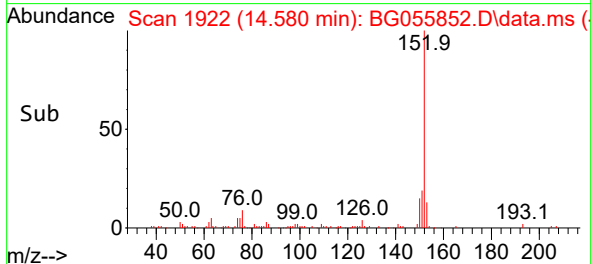
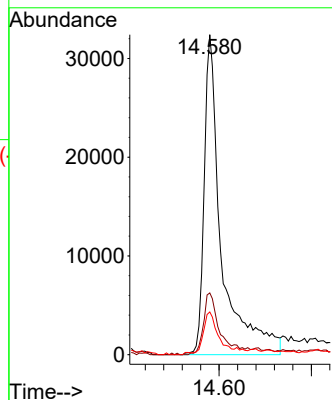
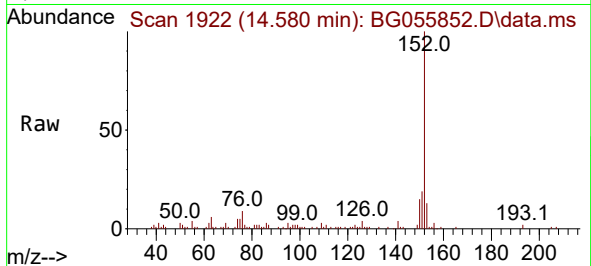




#49
Acenaphthylene
Concen: 7.002 ng
RT: 14.580 min Scan# 1922
Delta R.T. 0.003 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

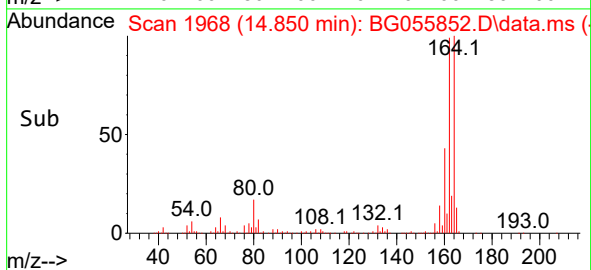
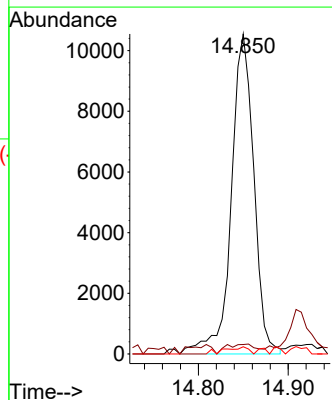
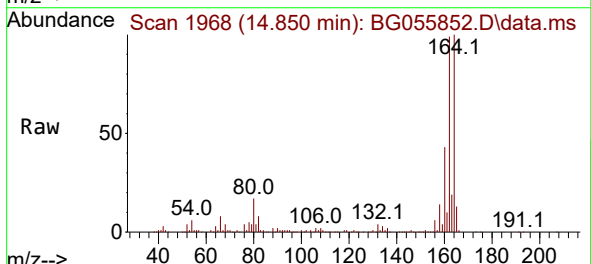
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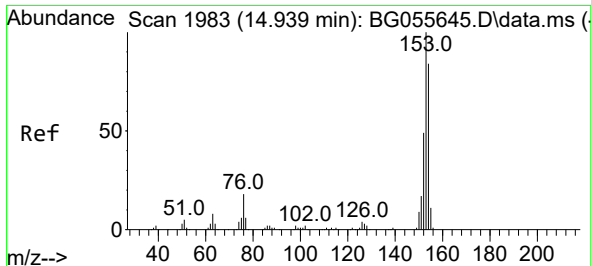
Tgt Ion:152 Resp: 85434
Ion Ratio Lower Upper
152 100
151 19.3 16.4 24.6
153 13.3 11.0 16.4



#51
2,6-Dinitrotoluene
Concen: 8.639 ng
RT: 14.850 min Scan# 1968
Delta R.T. 0.432 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:165 Resp: 18421
Ion Ratio Lower Upper
165 100
63 2.9 44.6 66.8#
89 2.3 42.2 63.4#

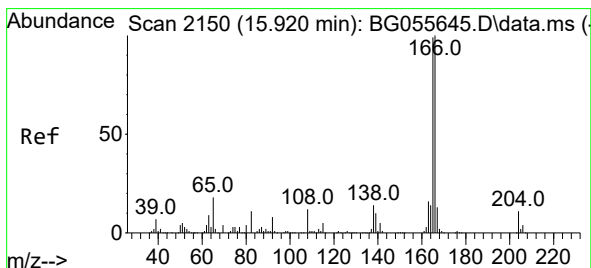
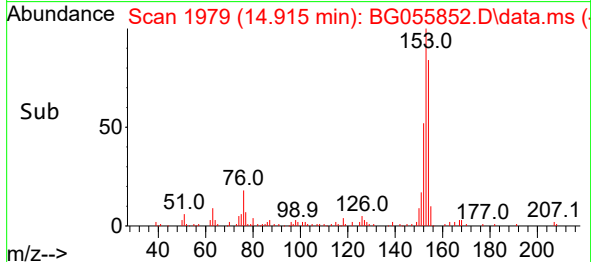
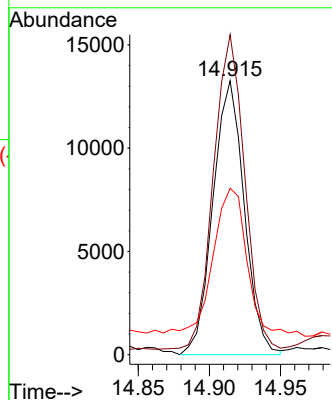
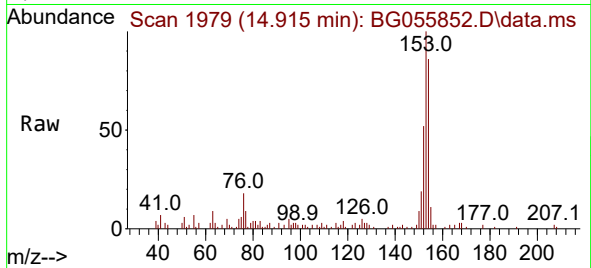




#52
Acenaphthene
Concen: 2.546 ng
RT: 14.915 min Scan# 1983
Delta R.T. 0.003 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

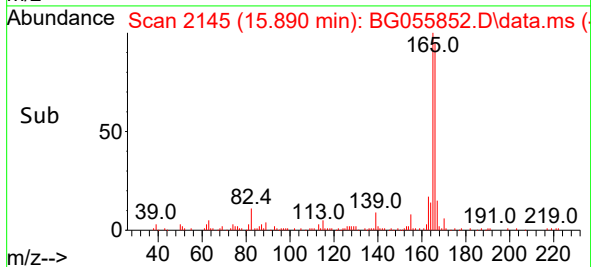
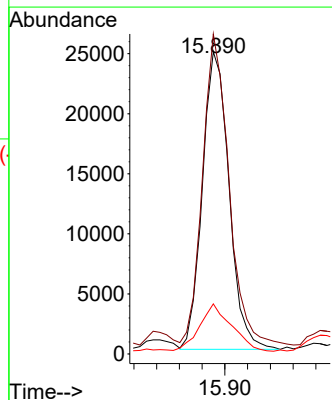
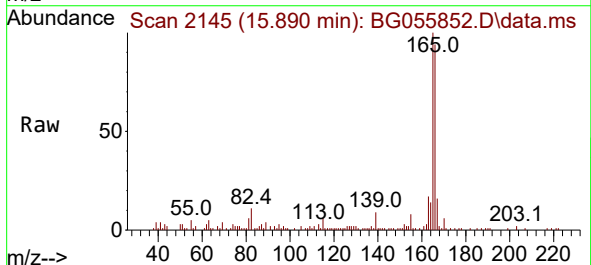
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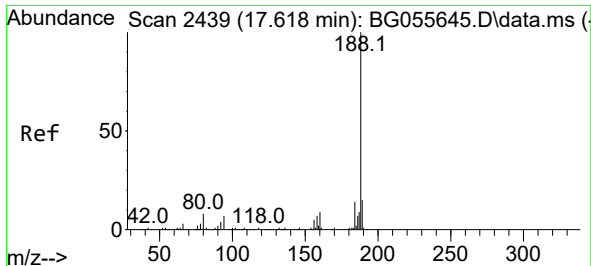
Tgt Ion:154 Resp: 20304
Ion Ratio Lower Upper
154 100
153 116.8 95.0 142.4
152 60.7 46.1 69.1



#58
Fluorene
Concen: 4.103 ng
RT: 15.890 min Scan# 2145
Delta R.T. 0.003 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:166 Resp: 40318
Ion Ratio Lower Upper
166 100
165 105.8 79.3 118.9
167 16.6 10.6 15.8#

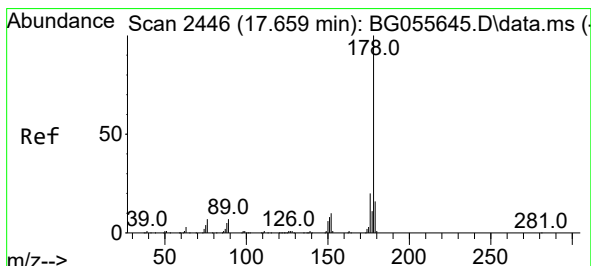
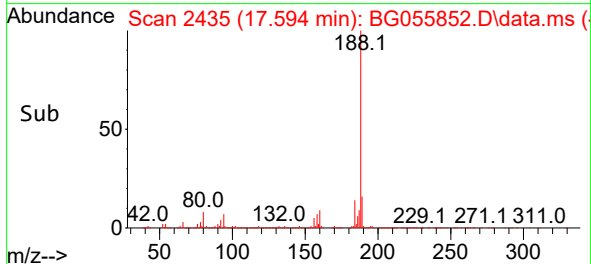
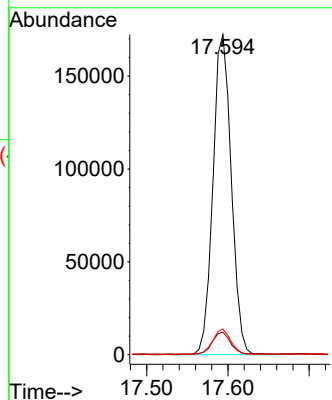
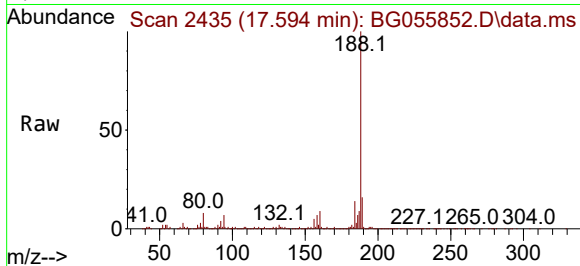




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.594 min Scan# 2435
Delta R.T. 0.009 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

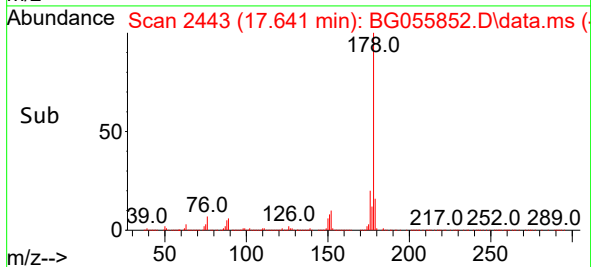
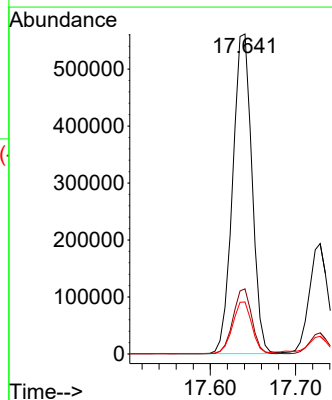
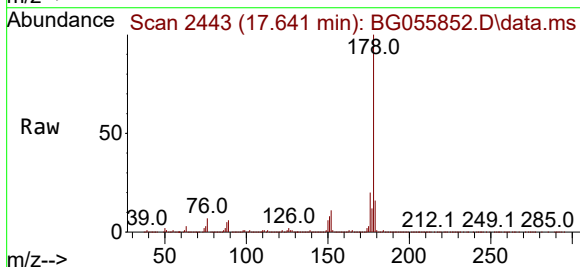
Instrument :
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ClientSampleId :
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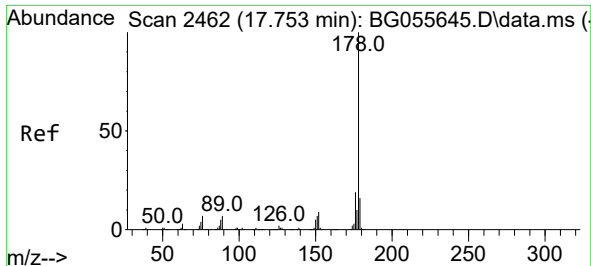
Tgt Ion:188 Resp: 270059
Ion Ratio Lower Upper
188 100
94 7.0 5.4 8.2
80 8.0 6.6 10.0



#71
Phenanthrene
Concen: 60.555 ng
RT: 17.641 min Scan# 2443
Delta R.T. 0.015 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:178 Resp: 882501
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 16.3 12.7 19.1

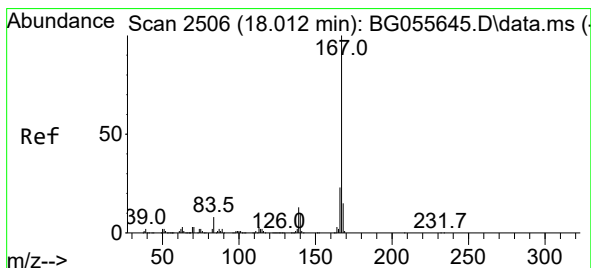
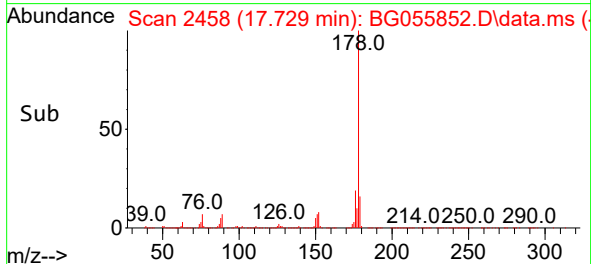
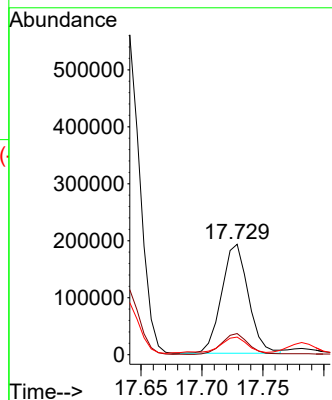
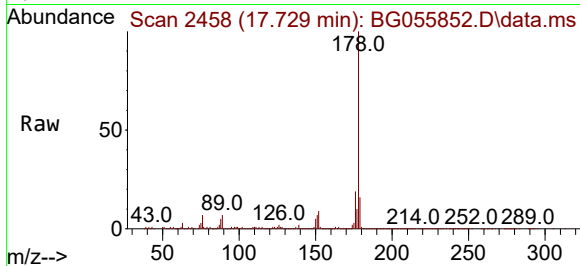




#72
 Anthracene
 Concen: 20.564 ng
 RT: 17.729 min Scan# 2462
 Delta R.T. 0.009 min
 Lab File: BG055852.D
 Acq: 30 Nov 2022 21:58

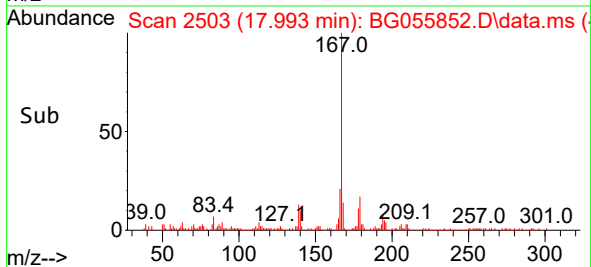
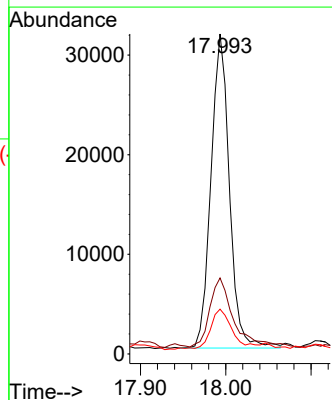
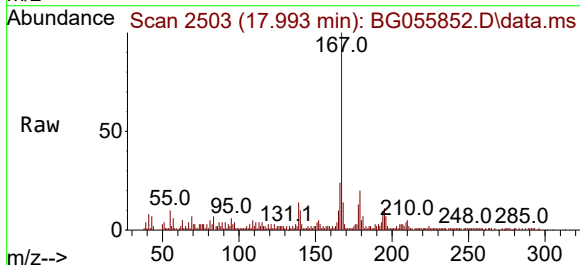
Instrument :
 BNA_G
 ClientSampleId :
 TP-13

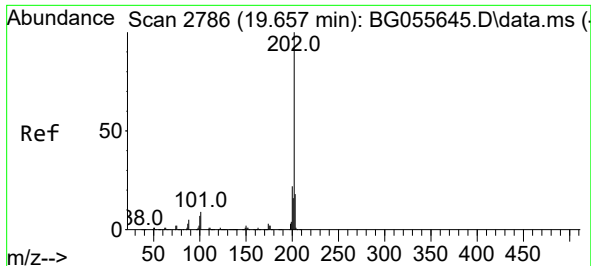
Tgt Ion:178 Resp: 291179
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.5 23.3
 179 16.0 12.5 18.7



#73
 Carbazole
 Concen: 3.720 ng
 RT: 17.993 min Scan# 2503
 Delta R.T. 0.009 min
 Lab File: BG055852.D
 Acq: 30 Nov 2022 21:58

Tgt Ion:167 Resp: 47351
 Ion Ratio Lower Upper
 167 100
 166 23.8 18.2 27.2
 139 14.0 10.2 15.4

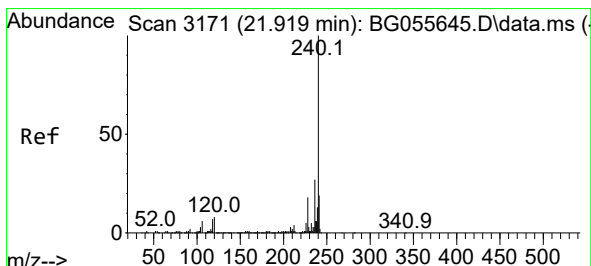
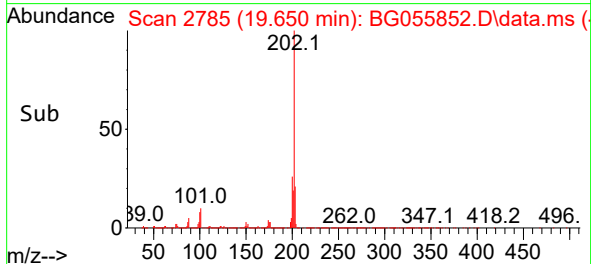
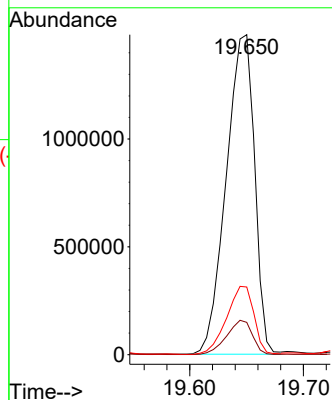
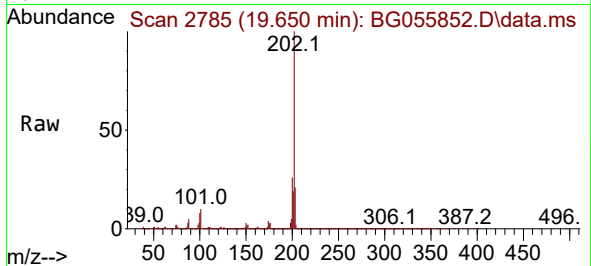




#75
Fluoranthene
Concen: 144.895 ng
RT: 19.650 min Scan# 21
Delta R.T. 0.027 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

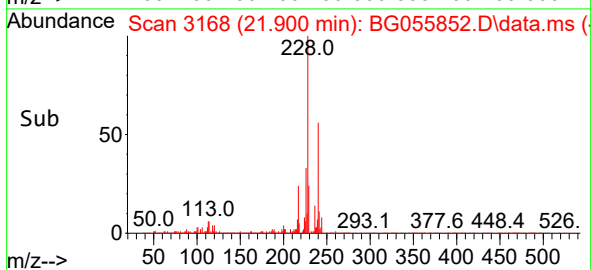
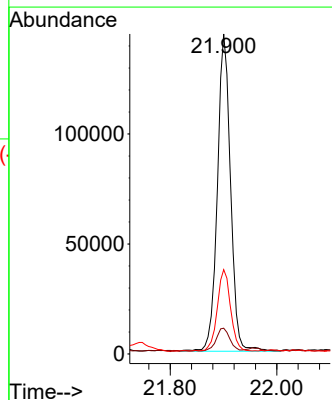
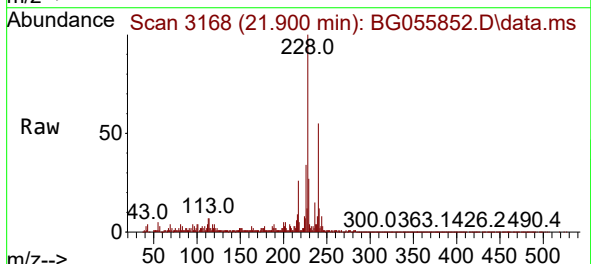
Instrument :
BNA_G
ClientSampleId :
TP-13

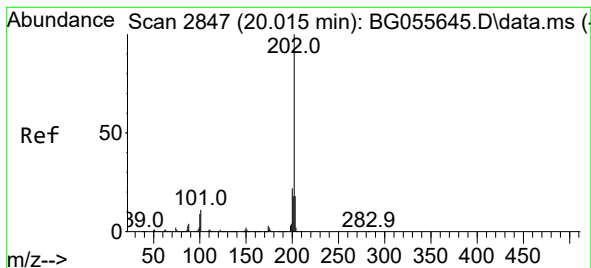
Tgt Ion:202 Resp: 2568958
Ion Ratio Lower Upper
202 100
101 10.1 0.0 28.8
203 21.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.900 min Scan# 3168
Delta R.T. 0.021 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:240 Resp: 247472
Ion Ratio Lower Upper
240 100
120 8.0 6.3 9.5
236 26.4 21.9 32.9





#78

Pyrene

Concen: 153.362 ng

RT: 19.650 min Scan# 21

Delta R.T. -0.338 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

Instrument :

BNA_G

ClientSampleId :

TP-13

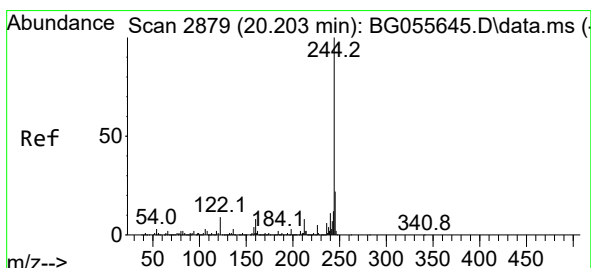
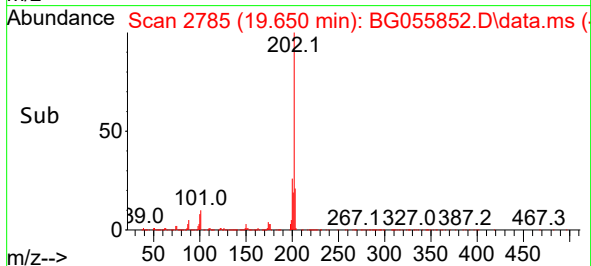
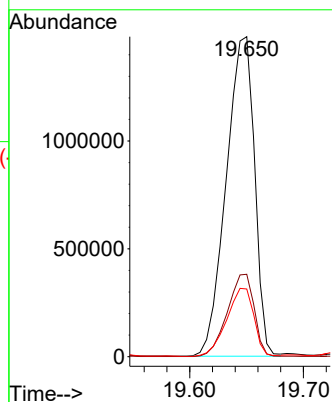
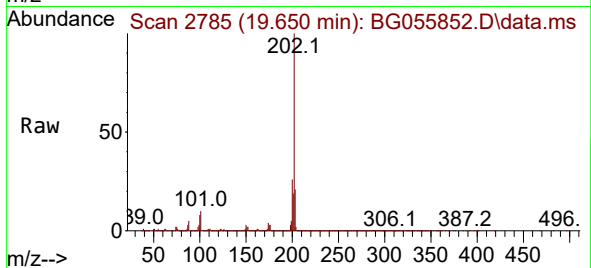
Tgt Ion:202 Resp: 2568958

Ion Ratio Lower Upper

202 100

200 25.8 17.8 26.6

203 21.1 14.4 21.6



#79

Terphenyl-d14

Concen: 12.675 ng

RT: 20.179 min Scan# 2875

Delta R.T. 0.009 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

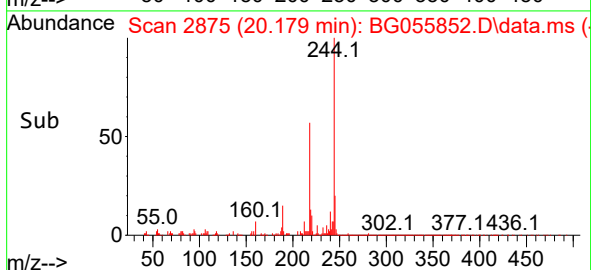
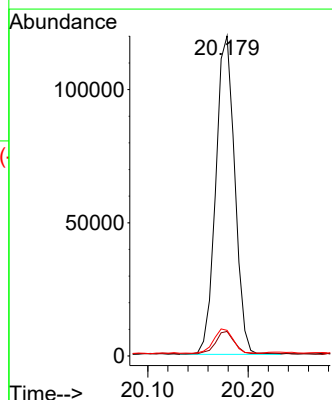
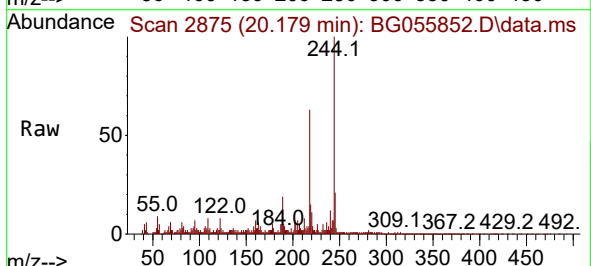
Tgt Ion:244 Resp: 156828

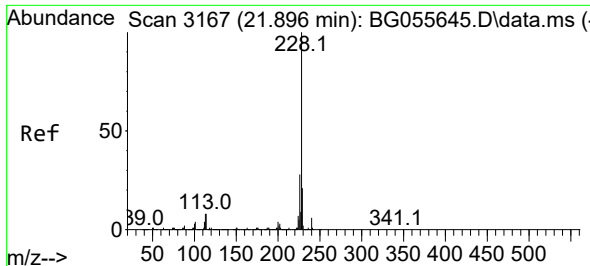
Ion Ratio Lower Upper

244 100

212 7.6 6.3 9.5

122 8.0 6.9 10.3

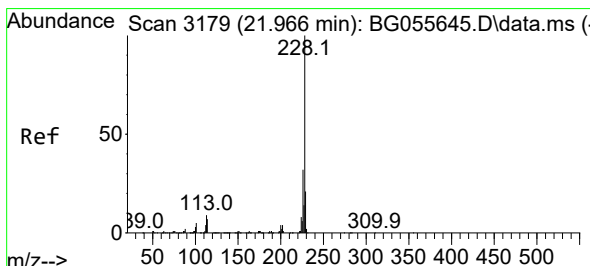
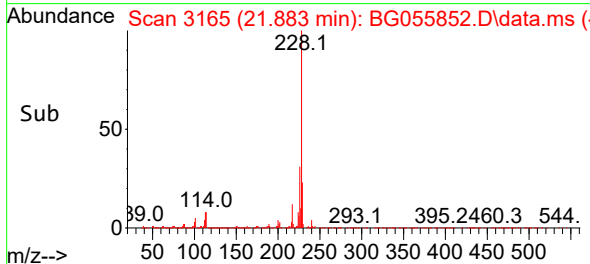
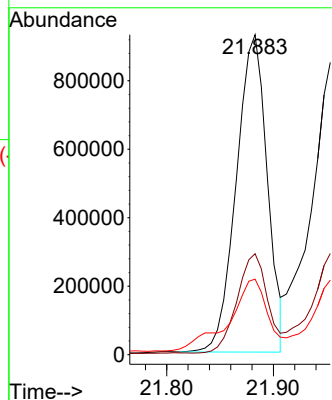
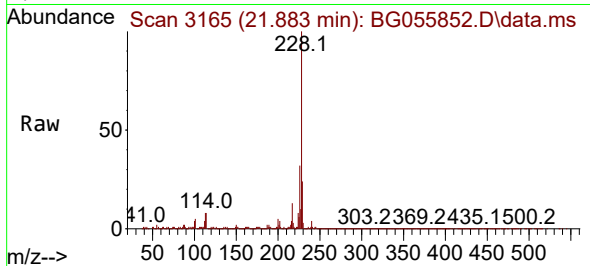




#81
Benzo(a)anthracene
Concen: 109.455 ng
RT: 21.883 min Scan# 3165
Delta R.T. 0.027 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

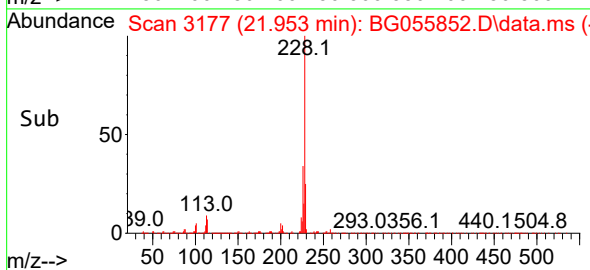
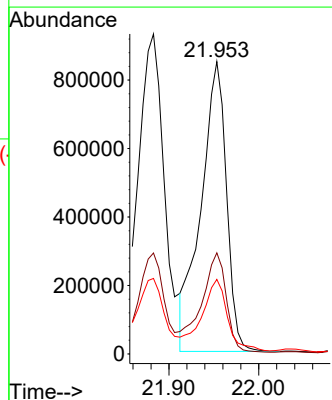
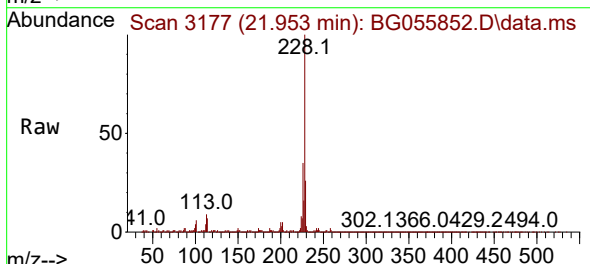
Instrument :
BNA_G
ClientSampleId :
TP-13

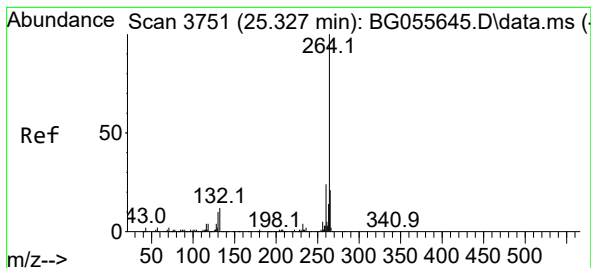
Tgt Ion:228 Resp: 1865652
Ion Ratio Lower Upper
228 100
226 31.5 22.7 34.1
229 23.6 16.5 24.7



#83
Chrysene
Concen: 103.221 ng
RT: 21.953 min Scan# 3177
Delta R.T. 0.027 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:228 Resp: 1674930
Ion Ratio Lower Upper
228 100
226 34.6 25.4 38.2
229 25.5 17.1 25.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.314 min Scan# 31

Delta R.T. 0.056 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

Instrument :

BNA_G

ClientSampleId :

TP-13

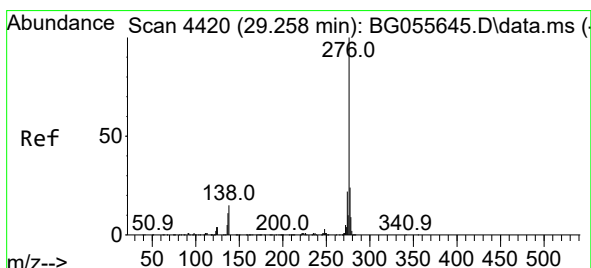
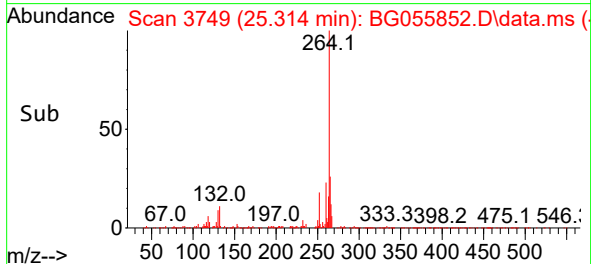
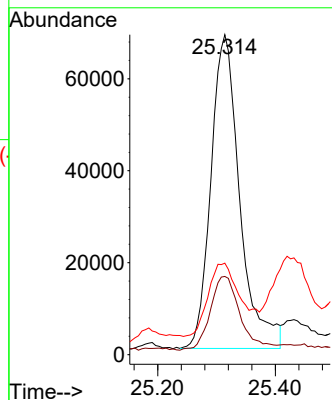
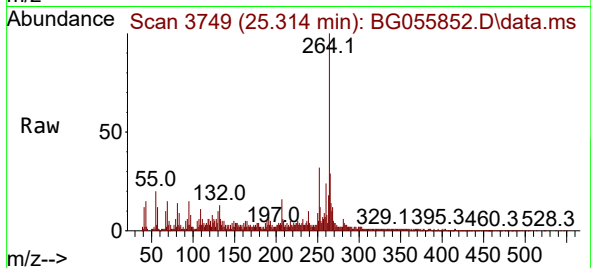
Tgt Ion:264 Resp: 232234

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 28.6 17.1 25.7#



#87

Indeno(1,2,3-cd)pyrene

Concen: 37.845 ng

RT: 29.251 min Scan# 4419

Delta R.T. 0.079 min

Lab File: BG055852.D

Acq: 30 Nov 2022 21:58

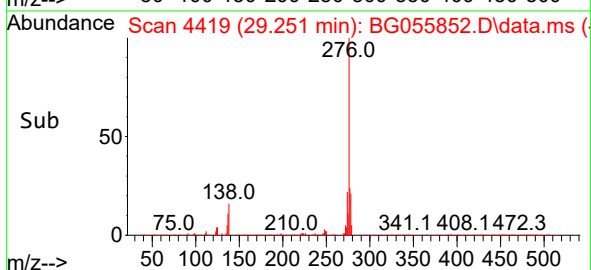
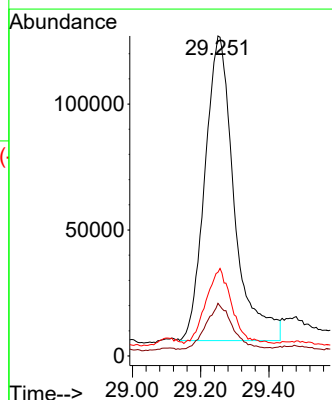
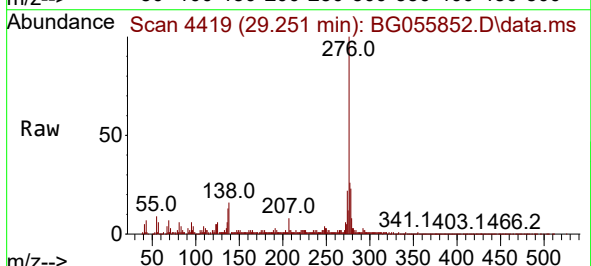
Tgt Ion:276 Resp: 720006

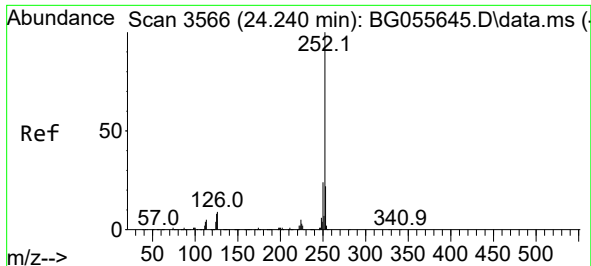
Ion Ratio Lower Upper

276 100

138 13.4 10.4 15.6

277 21.8 20.2 30.4

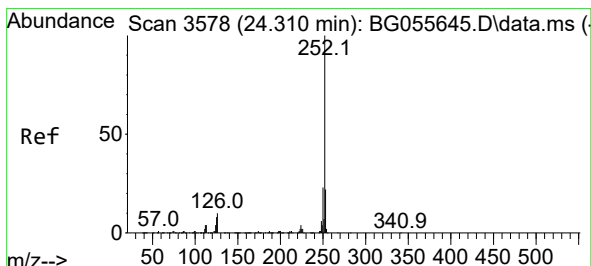
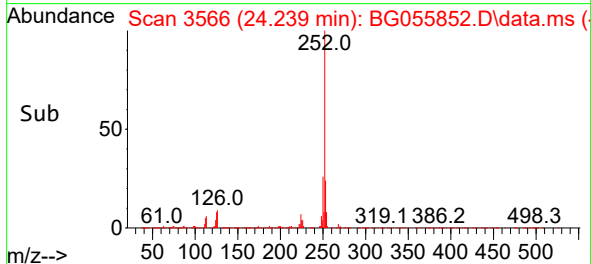
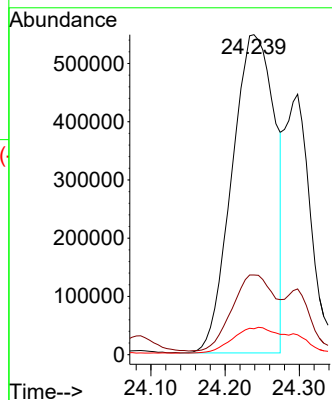
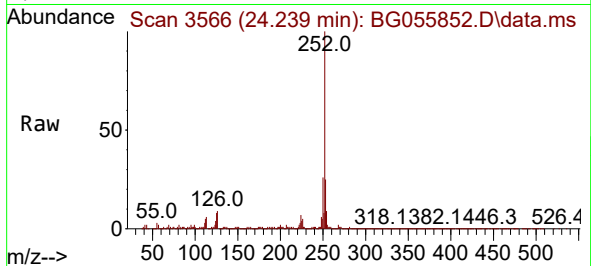




#88
Benzo(b)fluoranthene
Concen: 144.745 ng
RT: 24.239 min Scan# 3566
Delta R.T. 0.062 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

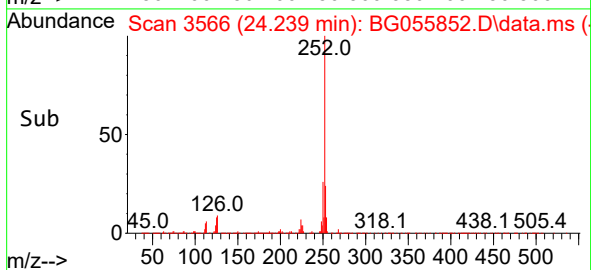
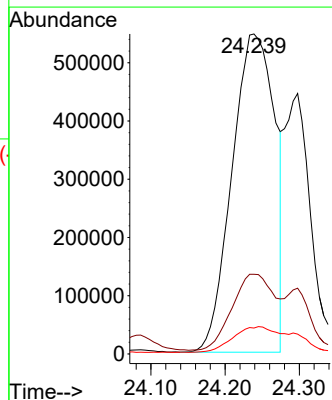
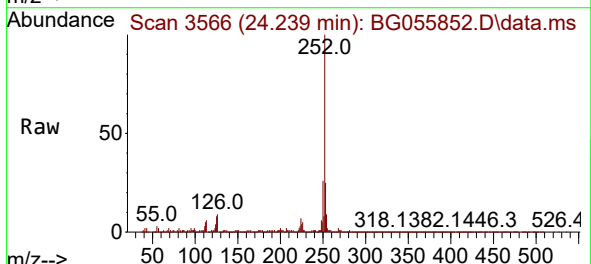
Instrument :
BNA_G
ClientSampleId :
TP-13

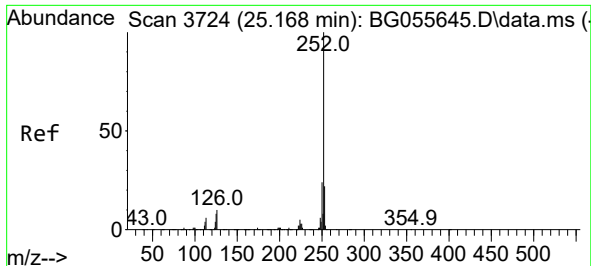
Tgt Ion:252 Resp: 2189173
Ion Ratio Lower Upper
252 100
253 24.9 18.0 27.0
125 8.1 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 145.209 ng
RT: 24.239 min Scan# 3566
Delta R.T. -0.014 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:252 Resp: 2189173
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.6
125 8.1 6.1 9.1

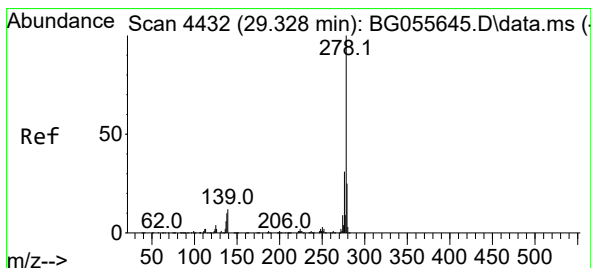
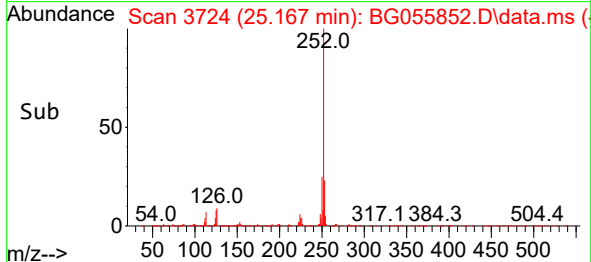
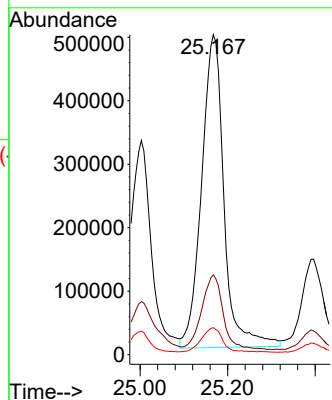
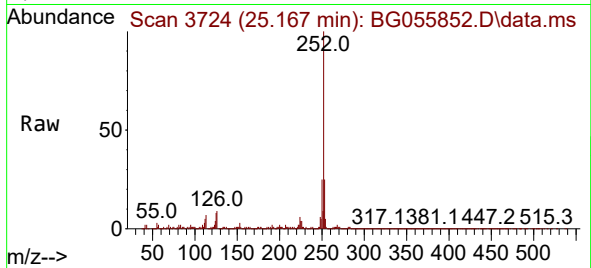




#90
Benzo(a)pyrene
Concen: 135.247 ng
RT: 25.167 min Scan# 31
Delta R.T. 0.068 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

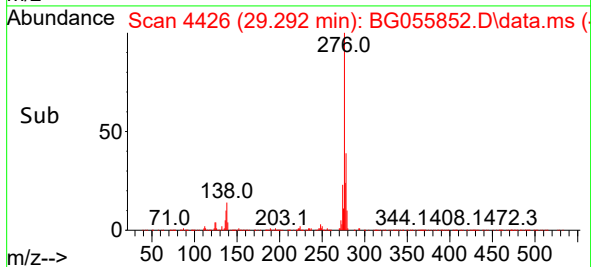
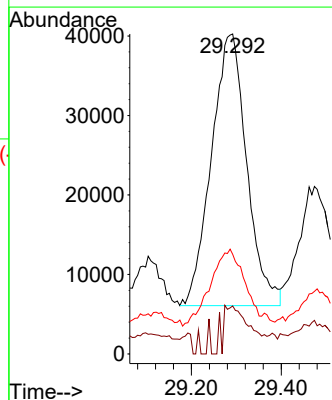
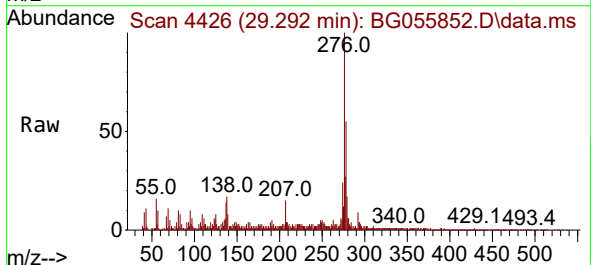
Instrument :
BNA_G
ClientSampleId :
TP-13

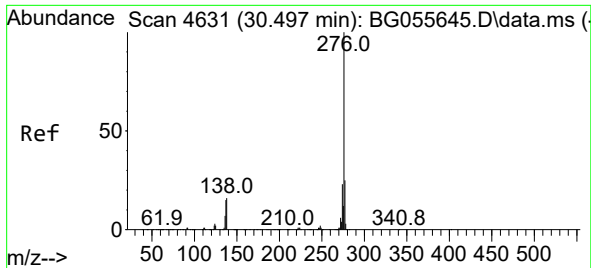
Tgt Ion:252 Resp: 1755327
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.6
125 8.4 6.4 9.6



#91
Dibenzo(a,h)anthracene
Concen: 12.028 ng
RT: 29.292 min Scan# 4426
Delta R.T. 0.068 min
Lab File: BG055852.D
Acq: 30 Nov 2022 21:58

Tgt Ion:278 Resp: 186993
Ion Ratio Lower Upper
278 100
139 15.0 9.8 14.8#
279 31.2 19.8 29.6#





#92
 Benzo(g,h,i)perylene
 Concen: 38.528 ng
 RT: 30.490 min Scan# 40
 Delta R.T. 0.091 min
 Lab File: BG055852.D
 Acq: 30 Nov 2022 21:58

Instrument :
 BNA_G
 ClientSampleId :
 TP-13

Tgt Ion:276 Resp: 603714

Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.8	29.6
138	15.2	13.1	19.7

