

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
 Data File : BG055766.D
 Acq On : 23 Nov 2022 22:21
 Operator : CG/JU
 Sample : N5754-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124019

Quant Time: Nov 24 06:09:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 06:05:02 2022
 Response via : Initial Calibration

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

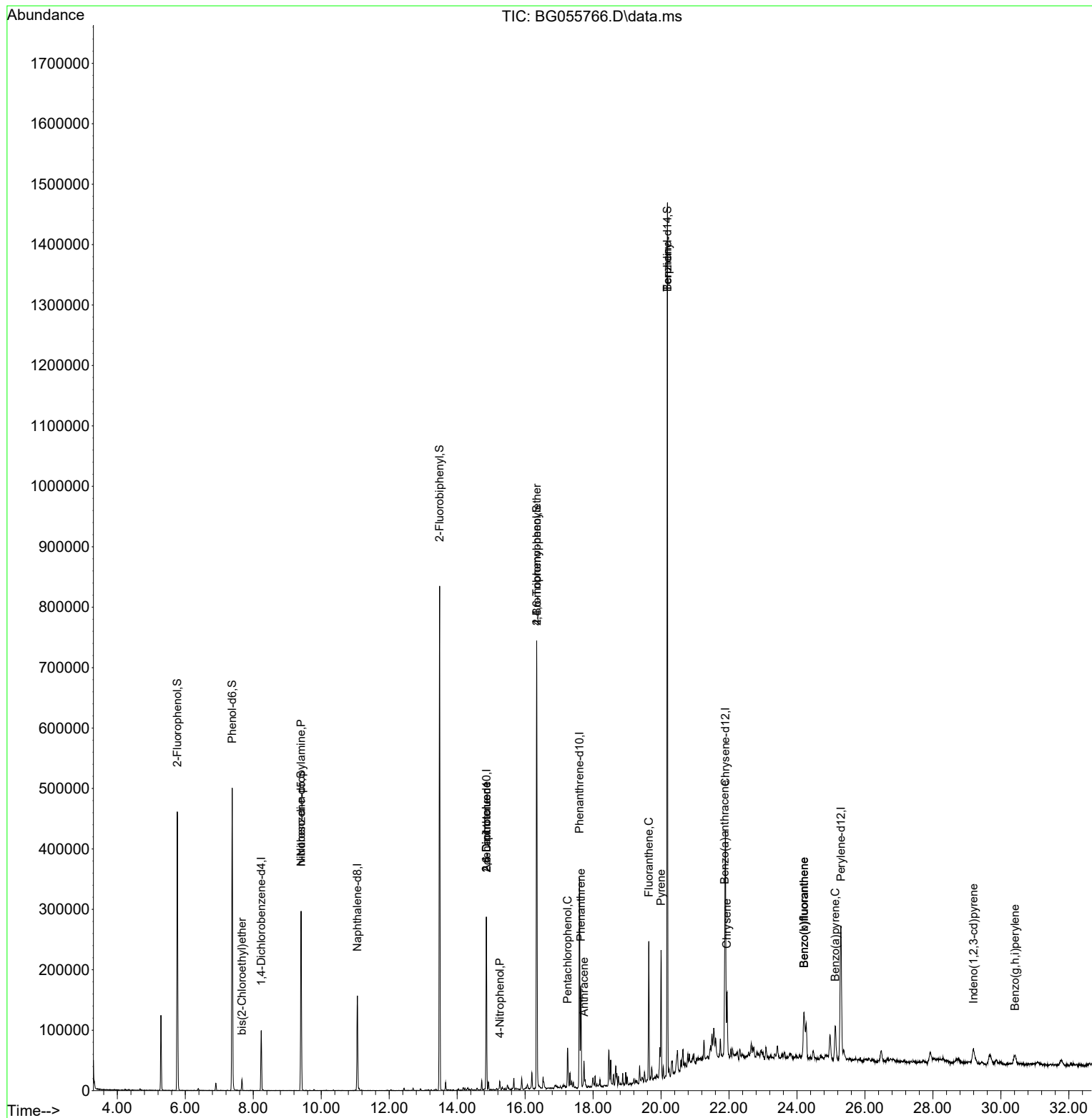
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.238	152	29467	20.000	ng	0.00
21) Naphthalene-d8	11.064	136	135104	20.000	ng	# 0.00
39) Acenaphthene-d10	14.859	164	103238	20.000	ng	0.00
64) Phenanthrene-d10	17.603	188	235624	20.000	ng	0.00
76) Chrysene-d12	21.892	240	226218	20.000	ng	0.00
86) Perylene-d12	25.294	264	239216	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.764	112	202724	124.352	ng	0.00
7) Phenol-d6	7.380	99	284092	130.911	ng	0.00
23) Nitrobenzene-d5	9.407	82	174907	68.426	ng	0.00
42) 2,4,6-Tribromophenol	16.346	330	162616	111.862	ng	0.00
45) 2-Fluorobiphenyl	13.484	172	435562	63.206	ng	0.00
79) Terphenyl-d14	20.188	244	720644	63.716	ng	0.00
Target Compounds						
						Qvalue
11) bis(2-Chloroethyl)ether	7.668	93	7030	3.775	ng	# 19
19) n-Nitroso-di-n-propyla...	9.407	70	23747	14.242	ng	# 76
51) 2,6-Dinitrotoluene	14.859	165	13659	8.117	ng	# 26
56) 4-Nitrophenol	15.259	139	3453	2.382	ng	# 4
57) 2,4-Dinitrotoluene	14.859	165	13659	5.757	ng	# 24
67) 4-Bromophenyl-phenylether	16.346	248	10469	3.900	ng	# 1
70) Pentachlorophenol	17.251	266	15116	8.301	ng	97
71) Phenanthrene	17.644	178	109697	8.627	ng	99
72) Anthracene	17.732	178	30628	2.479	ng	99
75) Fluoranthene	19.642	202	147944	9.564	ng	99
77) Benzidine	20.188	184	10957	2.094	ng	# 92
78) Pyrene	20.000	202	137035	8.949	ng	99
81) Benzo(a)anthracene	21.875	228	87249	5.600	ng	99
83) Chrysene	21.939	228	81481	5.493	ng	98
87) Indeno(1,2,3-cd)pyrene	29.195	276	40168	2.050	ng	# 95
88) Benzo(b)fluoranthene	24.207	252	99479	6.385	ng	99
89) Benzo(k)fluoranthene	24.207	252	99479	6.406	ng	98
90) Benzo(a)pyrene	25.124	252	67971	5.084	ng	100
92) Benzo(g,h,i)perylene	30.418	276	32841	2.035	ng	97

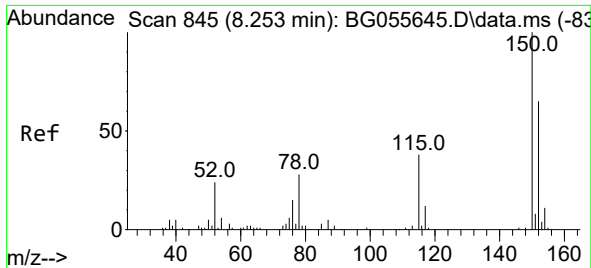
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
Data File : BG055766.D
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Misc :
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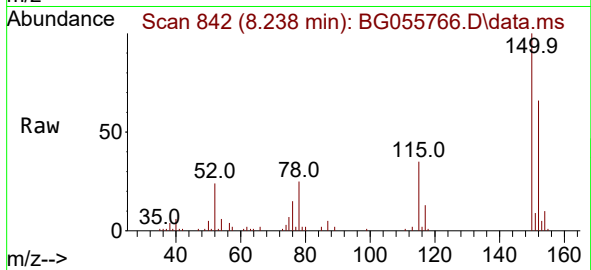
Quant Time: Nov 24 06:09:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 06:05:02 2022
Response via : Initial Calibration



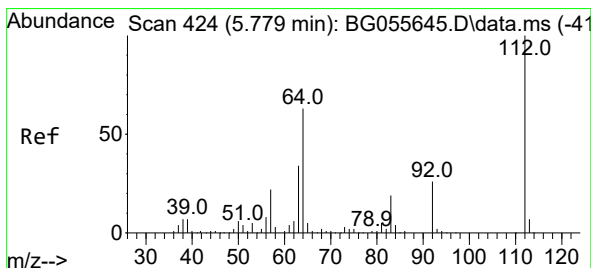
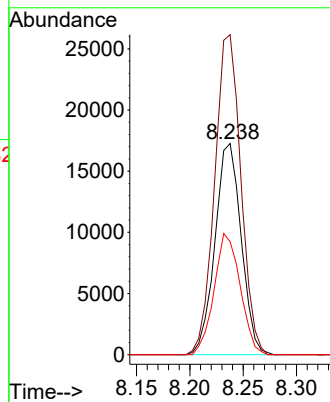
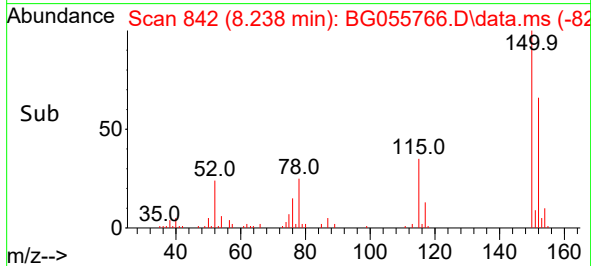


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.238 min Scan# 845
Delta R.T. 0.002 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Instrument :
BNA_G
ClientSampleId :
PSC-124019

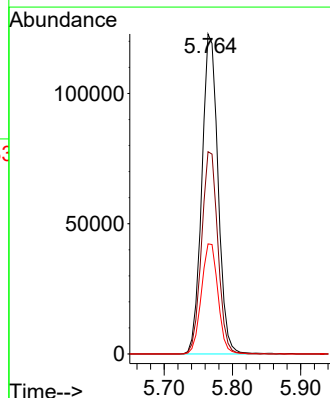
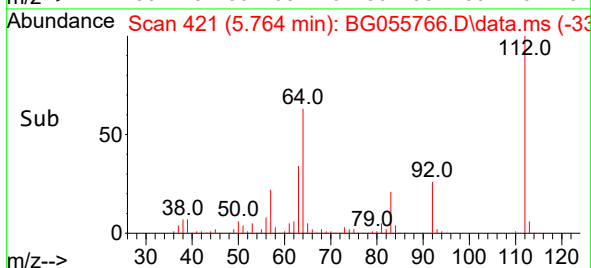
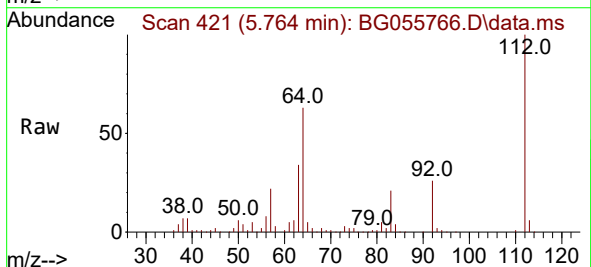


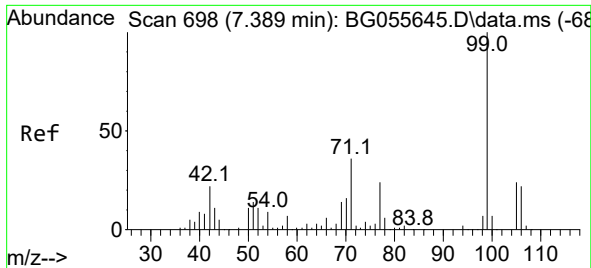
Tgt Ion:152 Resp: 29467
Ion Ratio Lower Upper
152 100
150 151.5 123.0 184.6
115 53.5 47.0 70.4



#5
2-Fluorophenol
Concen: 124.352 ng
RT: 5.764 min Scan# 421
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Tgt Ion:112 Resp: 202724
Ion Ratio Lower Upper
112 100
64 63.2 50.6 76.0
63 34.4 27.5 41.3

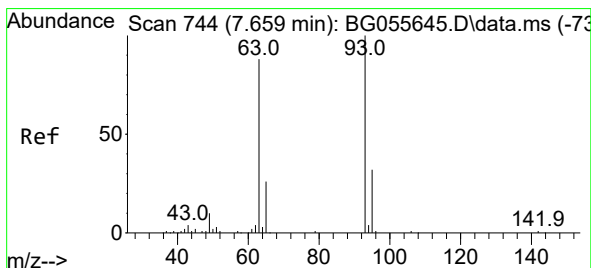
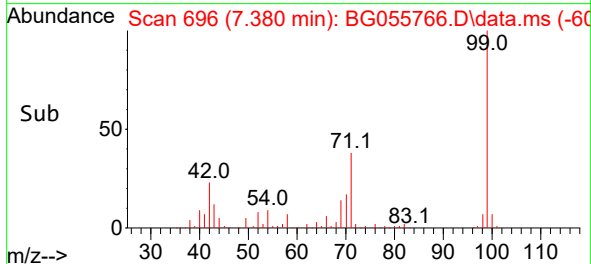
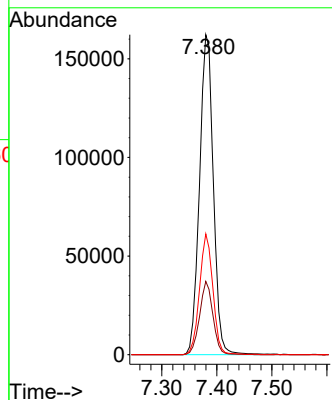
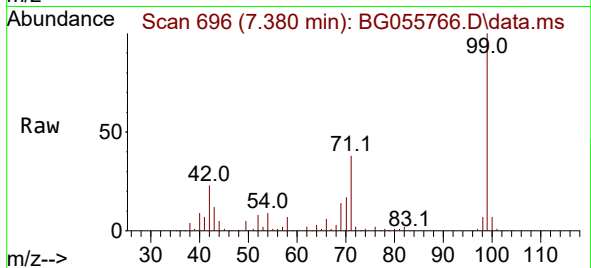




#7
Phenol-d6
Concen: 130.911 ng
RT: 7.380 min Scan# 698
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

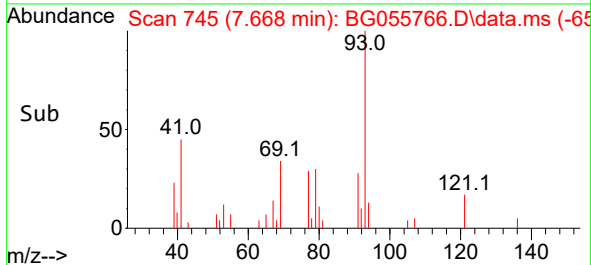
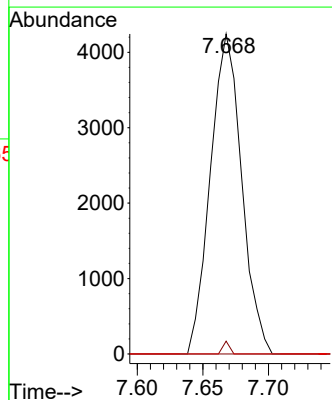
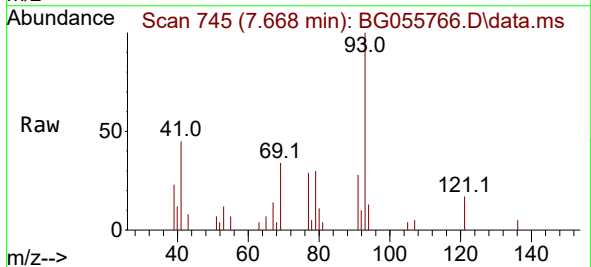
Instrument :
BNA_G
ClientSampleId :
PSC-124019

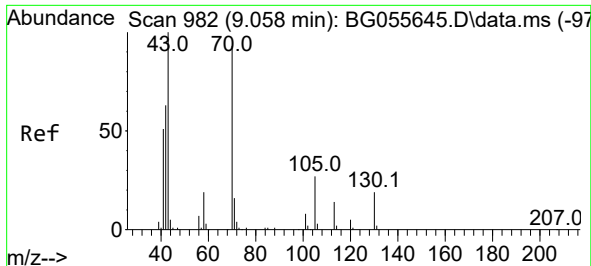
Tgt Ion: 99 Resp: 284092
Ion Ratio Lower Upper
99 100
42 22.9 18.0 27.0
71 37.8 29.0 43.6



#11
bis(2-Chloroethyl)ether
Concen: 3.775 ng
RT: 7.668 min Scan# 745
Delta R.T. 0.026 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Tgt Ion: 93 Resp: 7030
Ion Ratio Lower Upper
93 100
63 4.0 67.6 107.6#
95 0.0 11.8 51.8#

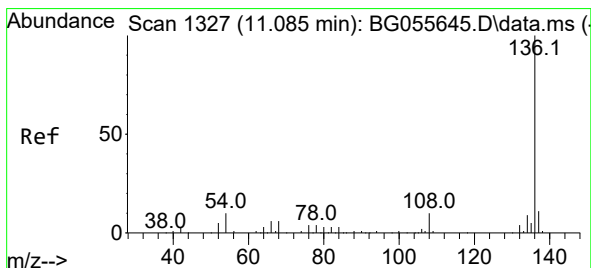
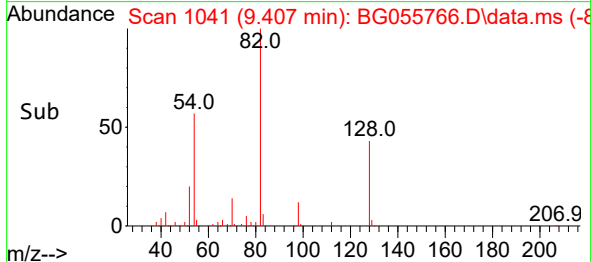
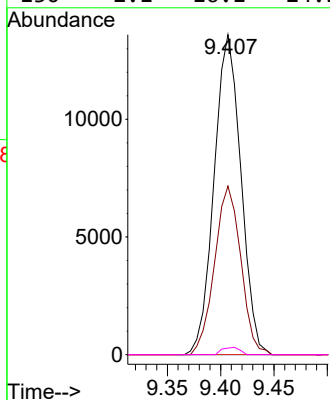
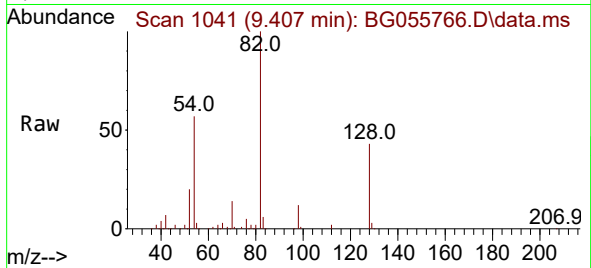




#19
n-Nitroso-di-n-propylamine
Concen: 14.242 ng
RT: 9.407 min Scan# 1041
Delta R.T. 0.361 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

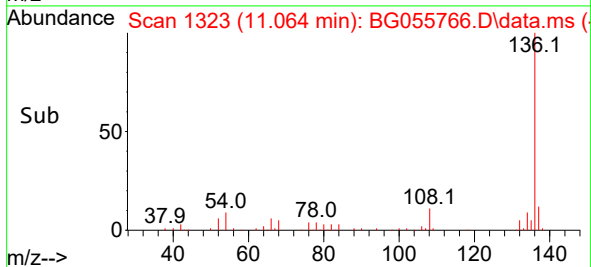
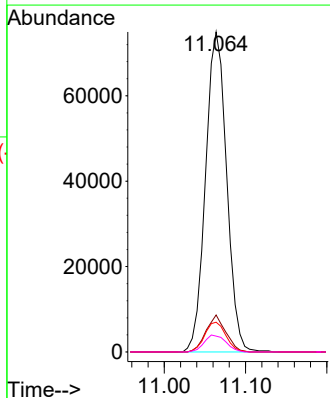
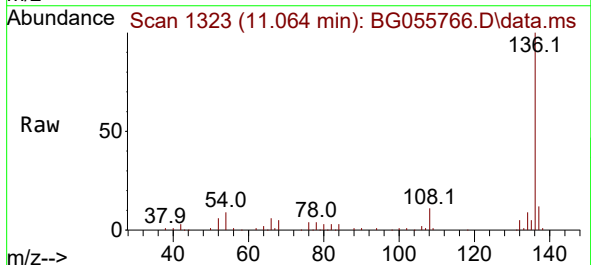
Instrument :
BNA_G
ClientSampleId :
PSC-124019

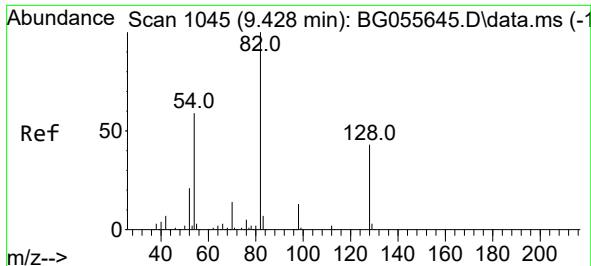
Tgt Ion: 70 Resp: 23747
Ion Ratio Lower Upper
70 100
42 52.7 55.2 82.8#
101 0.0 7.1 10.7#
130 2.1 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.064 min Scan# 1323
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Tgt Ion:136 Resp: 135104
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 9.3 7.8 11.6
68 5.0 5.0 7.4#

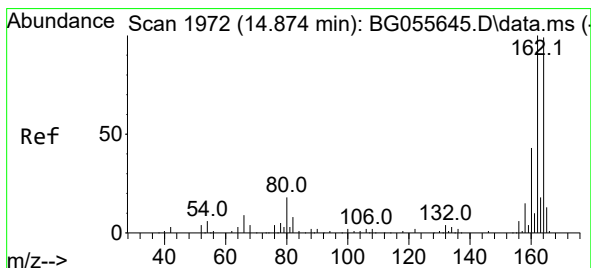
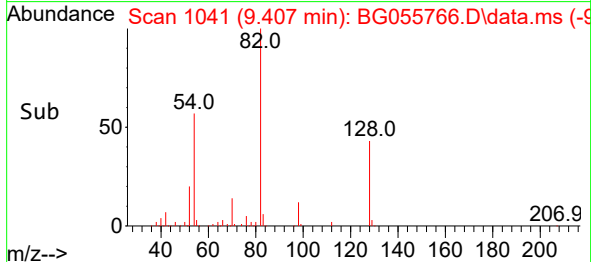
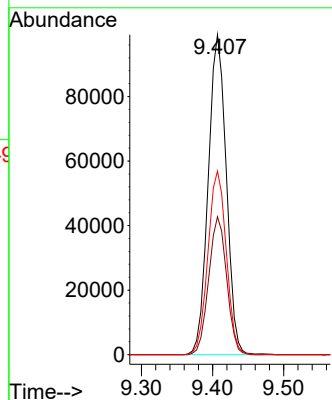
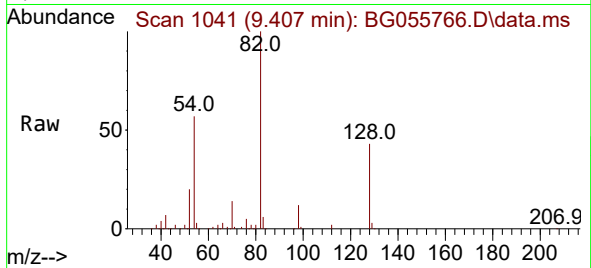




#23
Nitrobenzene-d5
Concen: 68.426 ng
RT: 9.407 min Scan# 1045
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

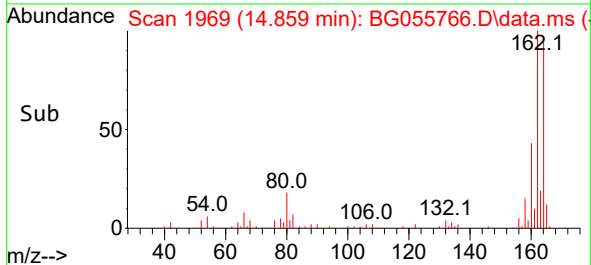
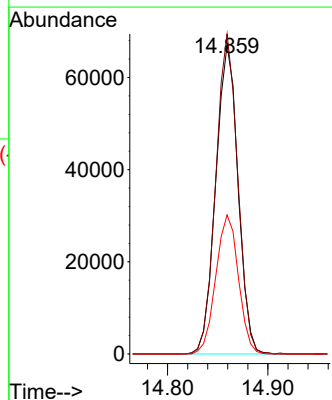
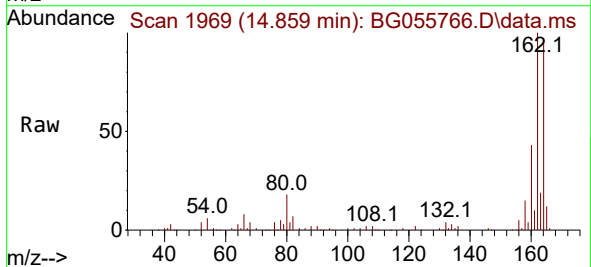
Instrument :
BNA_G
ClientSampleId :
PSC-124019

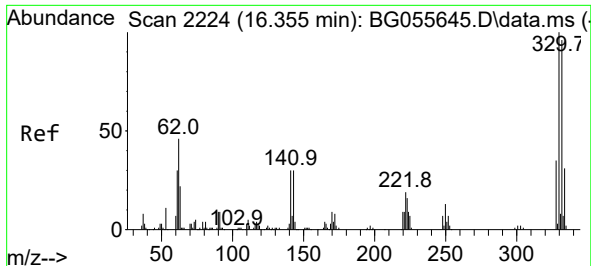
Tgt Ion: 82 Resp: 174907
Ion Ratio Lower Upper
82 100
128 43.1 34.1 51.1
54 57.4 47.3 70.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.859 min Scan# 1969
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Tgt Ion:164 Resp: 103238
Ion Ratio Lower Upper
164 100
162 103.6 81.1 121.7
160 45.0 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 111.862 ng

RT: 16.346 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG055766.D

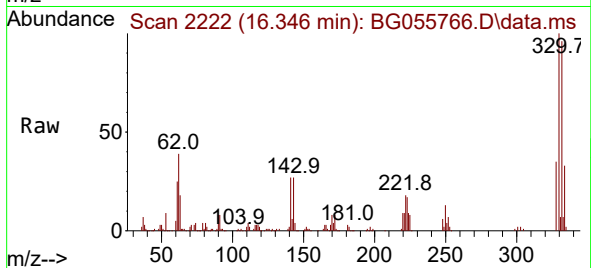
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Instrument :

BNA_G

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PSC-124019



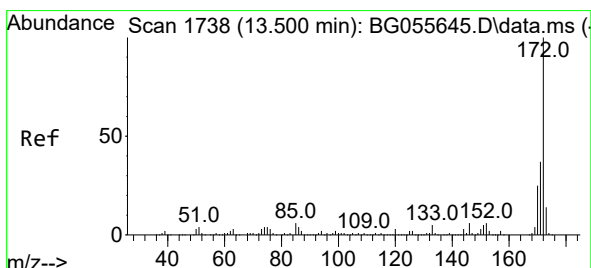
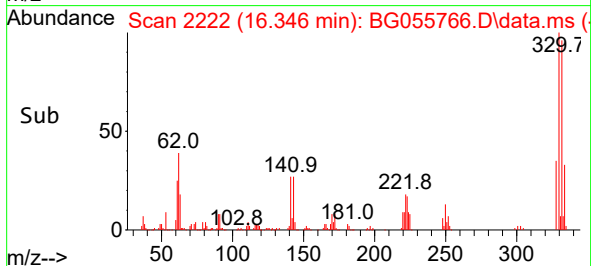
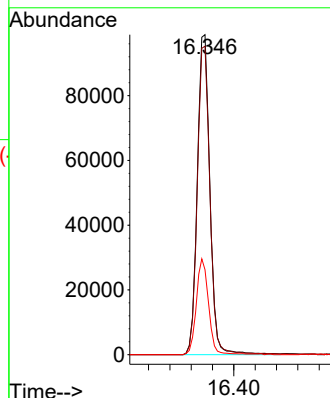
Tgt Ion:330 Resp: 162616

Ion Ratio Lower Upper

330 100

332 96.2 77.8 116.8

141 29.0 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 63.206 ng

RT: 13.484 min Scan# 1735

Delta R.T. -0.004 min

Lab File: BG055766.D

Acq: 23 Nov 2022 22:21

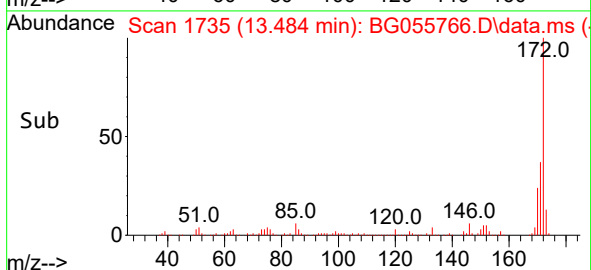
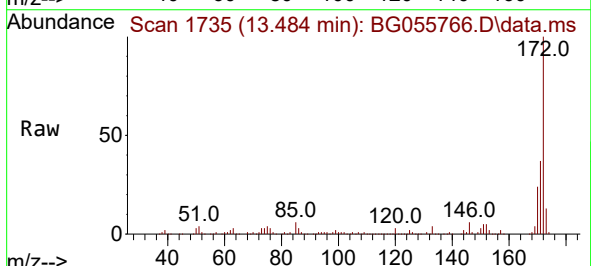
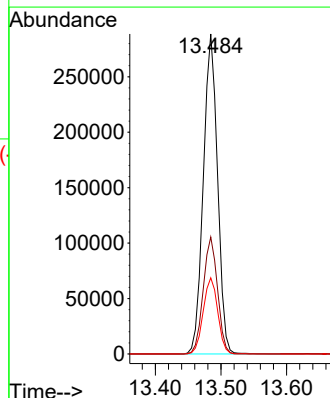
Tgt Ion:172 Resp: 435562

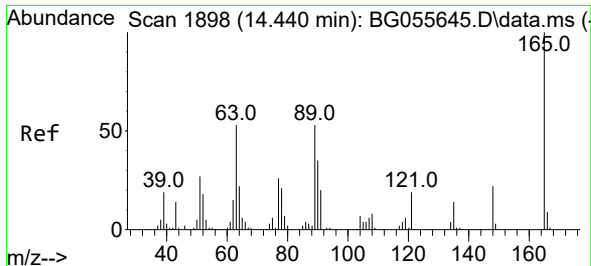
Ion Ratio Lower Upper

172 100

171 36.5 29.8 44.6

170 23.8 20.2 30.4

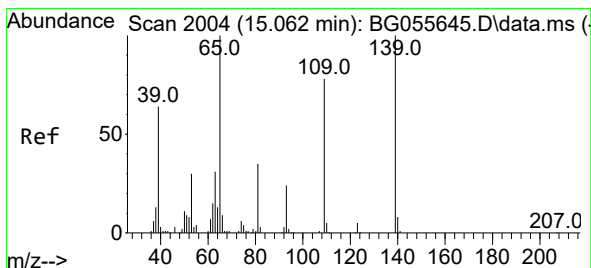
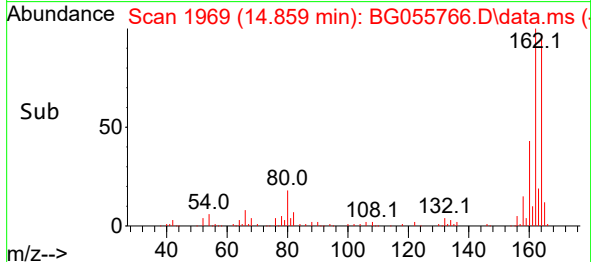
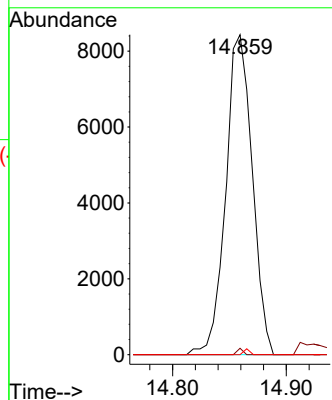
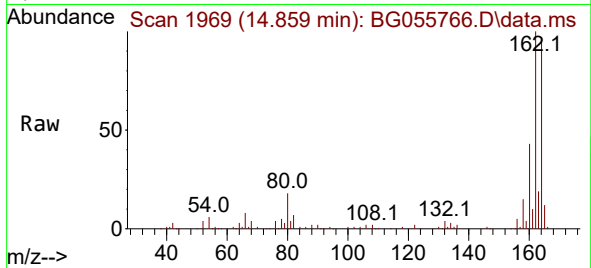




#51
2,6-Dinitrotoluene
Concen: 8.117 ng
RT: 14.859 min Scan# 1969
Delta R.T. 0.425 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

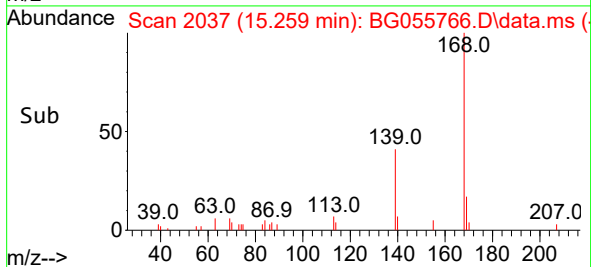
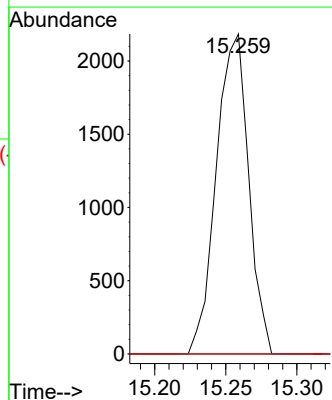
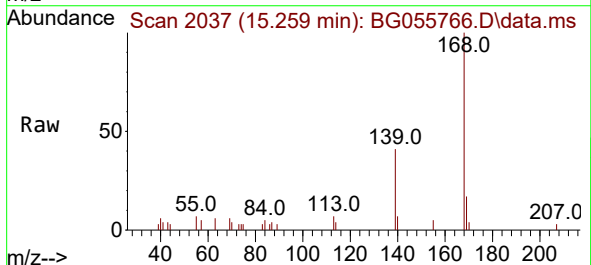
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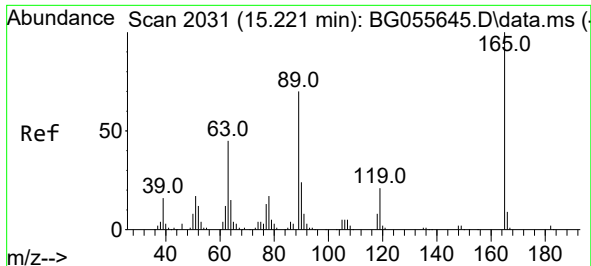
Tgt Ion:165 Resp: 13659
Ion Ratio Lower Upper
165 100
63 2.0 44.6 66.8#
89 0.0 42.2 63.4#



#56
4-Nitrophenol
Concen: 2.382 ng
RT: 15.259 min Scan# 2037
Delta R.T. 0.196 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Tgt Ion:139 Resp: 3453
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: 5.757 ng

RT: 14.859 min Scan# 1969

Delta R.T. -0.356 min

Lab File: BG055766.D

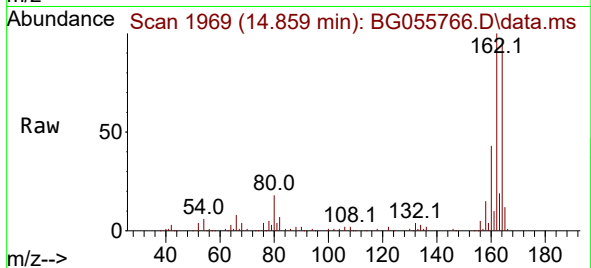
Acq: 23 Nov 2022 22:21

Instrument :

BNA_G

ClientSampleId :

PSC-124019



Tgt Ion:165 Resp: 13659

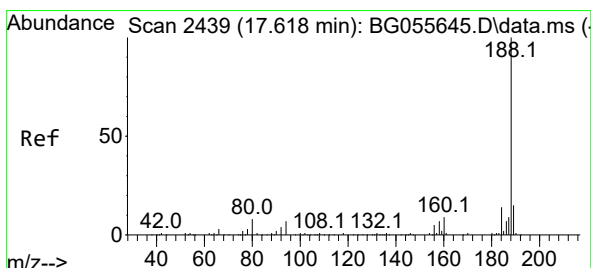
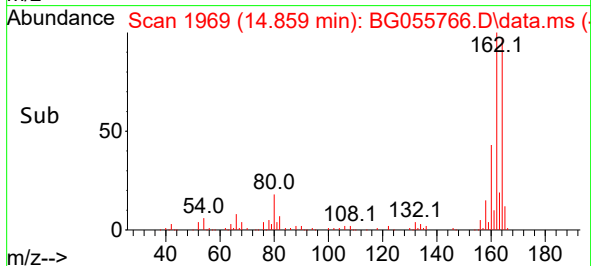
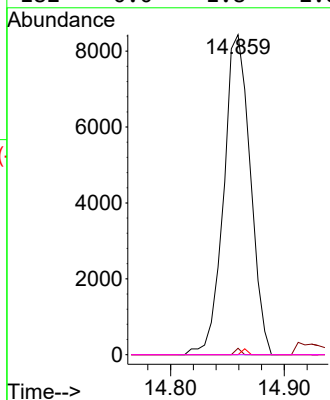
Ion Ratio Lower Upper

165 100

63 2.0 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: 17.603 min Scan# 2436

Delta R.T. -0.004 min

Lab File: BG055766.D

Acq: 23 Nov 2022 22:21

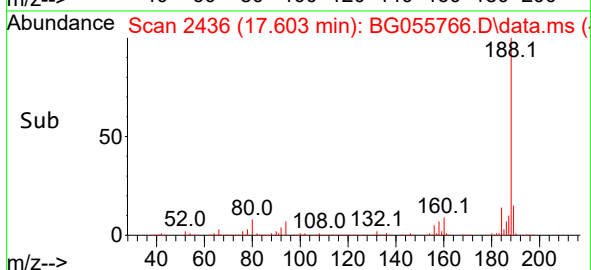
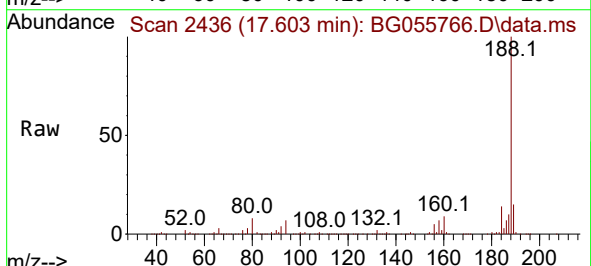
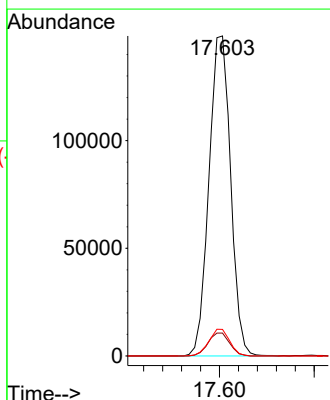
Tgt Ion:188 Resp: 235624

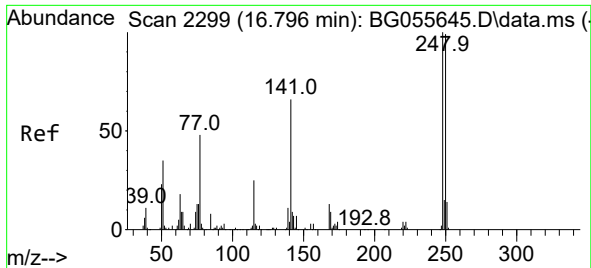
Ion Ratio Lower Upper

188 100

94 7.2 5.4 8.2

80 8.3 6.6 10.0

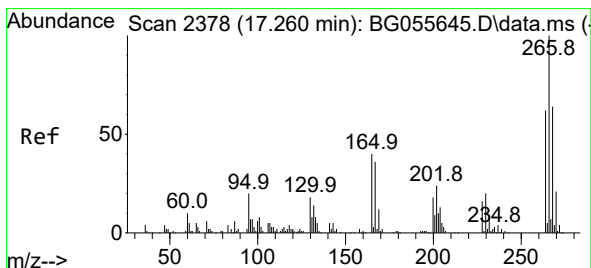
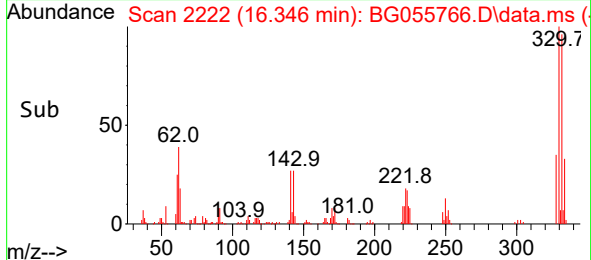
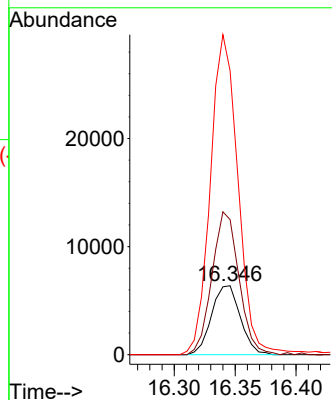
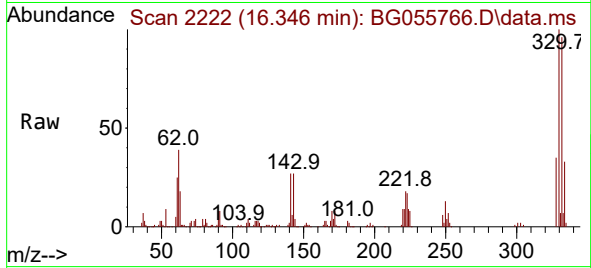




#67
4-Bromophenyl-phenylether
Concen: 3.900 ng
RT: 16.346 min Scan# 21
Delta R.T. -0.439 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

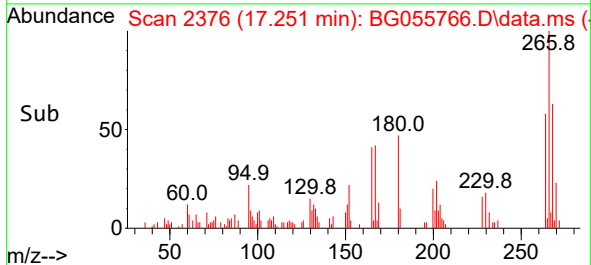
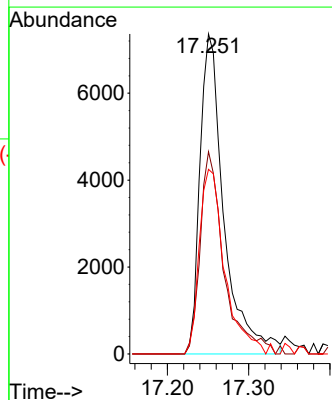
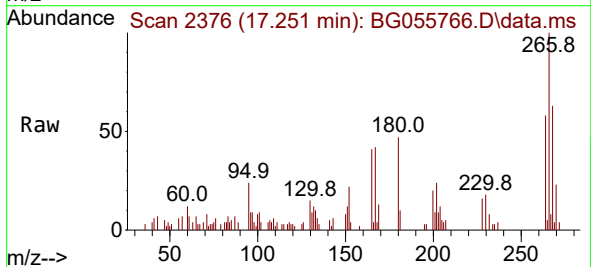
Instrument :
BNA_G
ClientSampleId :
PSC-124019

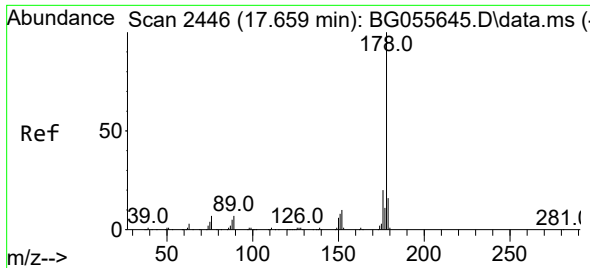
Tgt Ion:248 Resp: 10469
Ion Ratio Lower Upper
248 100
250 195.9 79.0 118.4#
141 411.3 52.9 79.3#



#70
Pentachlorophenol
Concen: 8.301 ng
RT: 17.251 min Scan# 2376
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Tgt Ion:266 Resp: 15116
Ion Ratio Lower Upper
266 100
268 63.2 51.2 76.8
264 57.7 49.5 74.3

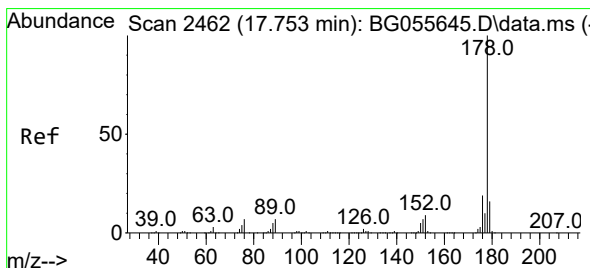
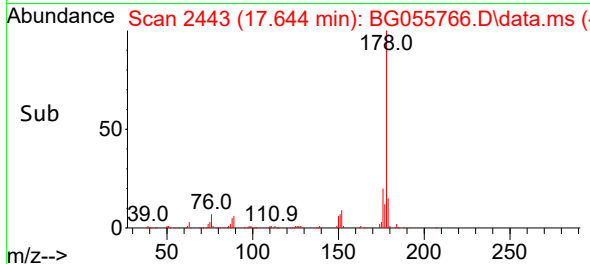
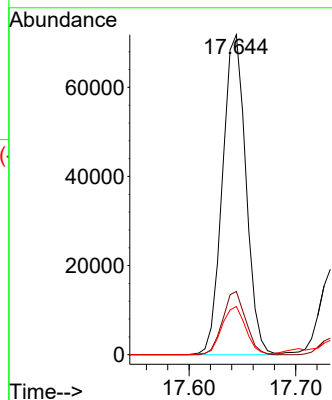
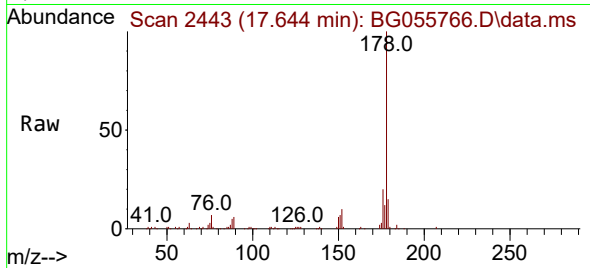




#71
Phenanthrene
Concen: 8.627 ng
RT: 17.644 min Scan# 2446
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

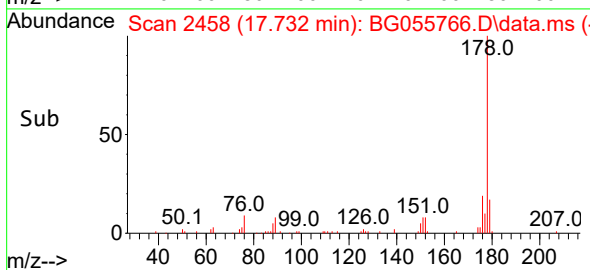
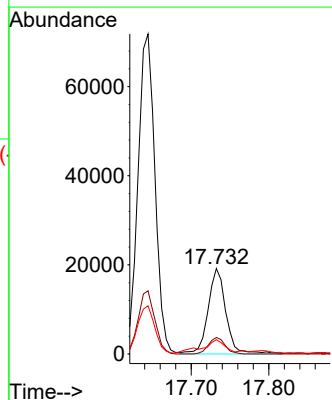
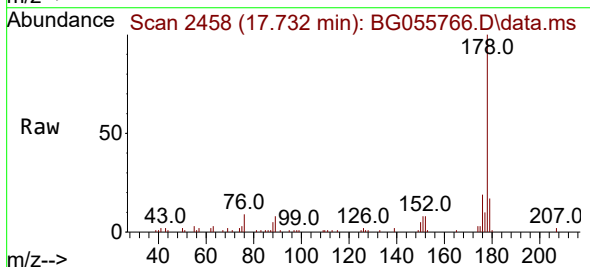
Instrument :
BNA_G
ClientSampleId :
PSC-124019

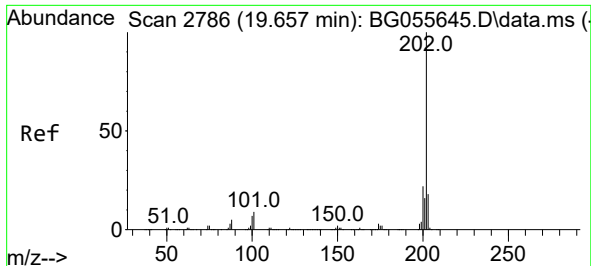
Tgt Ion:178 Resp: 109697
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.0 12.7 19.1



#72
Anthracene
Concen: 2.479 ng
RT: 17.732 min Scan# 2458
Delta R.T. -0.010 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Tgt Ion:178 Resp: 30628
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 16.7 12.5 18.7

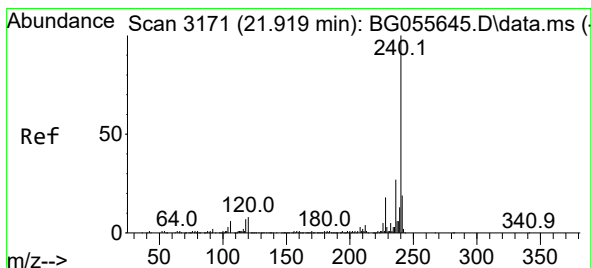
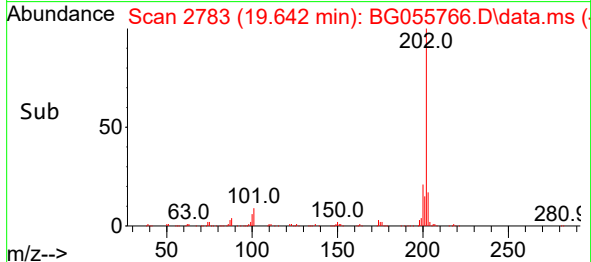
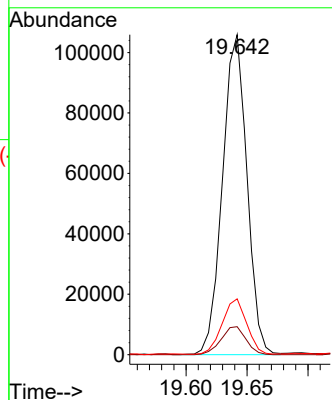
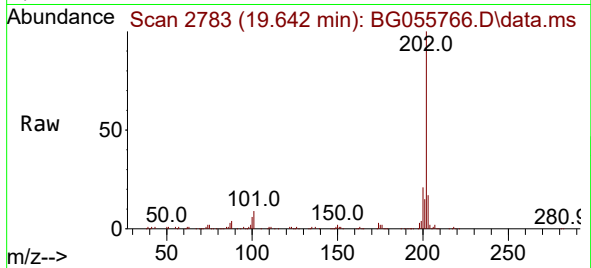




#75
Fluoranthene
Concen: 9.564 ng
RT: 19.642 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

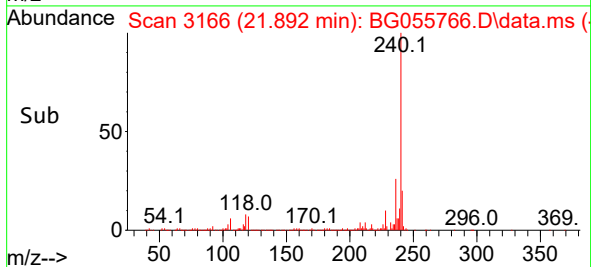
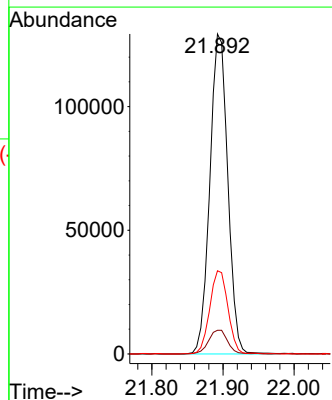
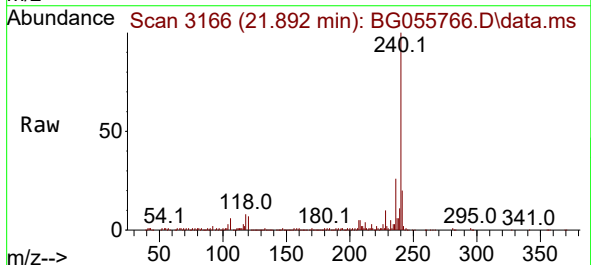
Instrument :
BNA_G
ClientSampleId :
PSC-124019

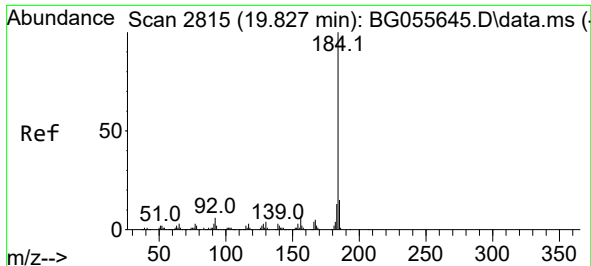
Tgt Ion:202 Resp: 147944
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.8
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.892 min Scan# 3166
Delta R.T. -0.010 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Tgt Ion:240 Resp: 226218
Ion Ratio Lower Upper
240 100
120 7.4 6.3 9.5
236 26.0 21.9 32.9

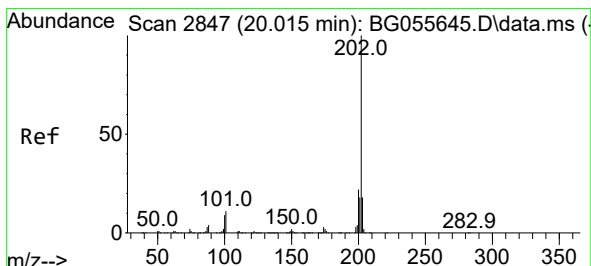
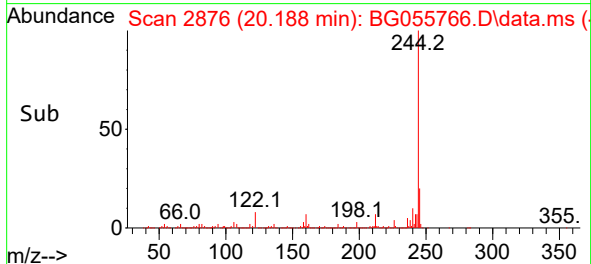
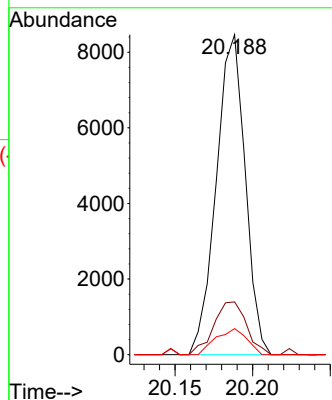
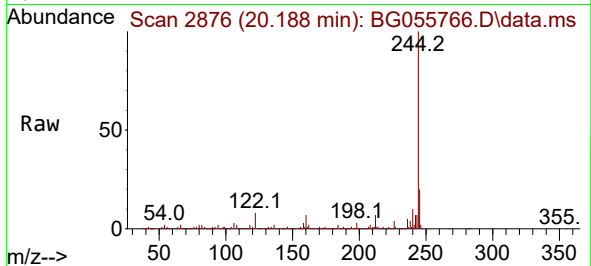




#77
Benzidine
Concen: 2.094 ng
RT: 20.188 min Scan# 2876
Delta R.T. 0.372 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

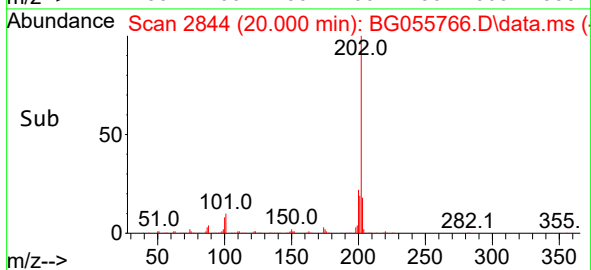
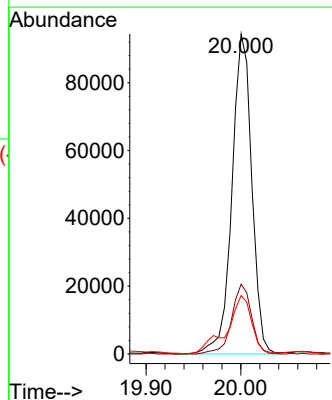
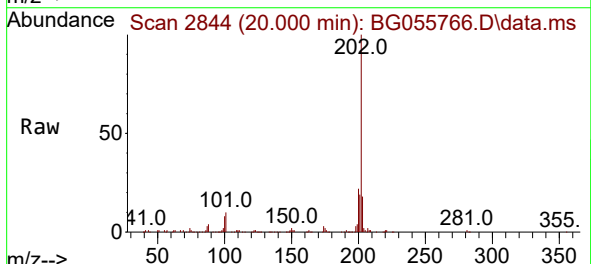
Instrument :
BNA_G
ClientSampleId :
PSC-124019

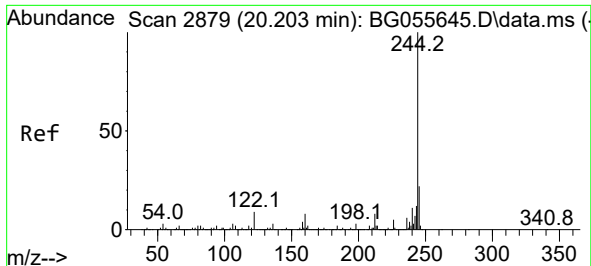
Tgt Ion:184 Resp: 10957
Ion Ratio Lower Upper
184 100
185 16.5 11.8 17.8
183 8.2 10.6 15.8#



#78
Pyrene
Concen: 8.949 ng
RT: 20.000 min Scan# 2844
Delta R.T. -0.010 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Tgt Ion:202 Resp: 137035
Ion Ratio Lower Upper
202 100
200 21.8 17.8 26.6
203 18.3 14.4 21.6

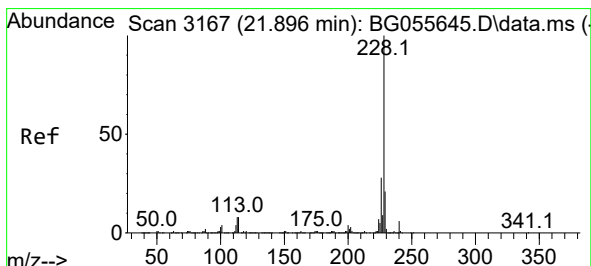
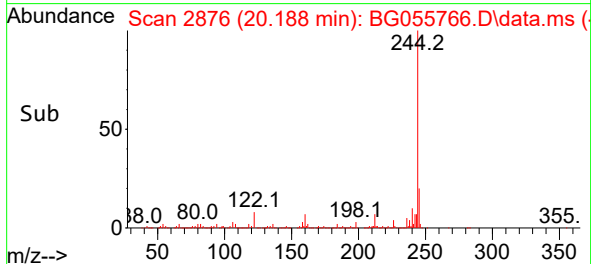
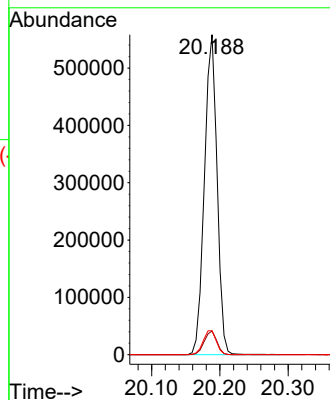
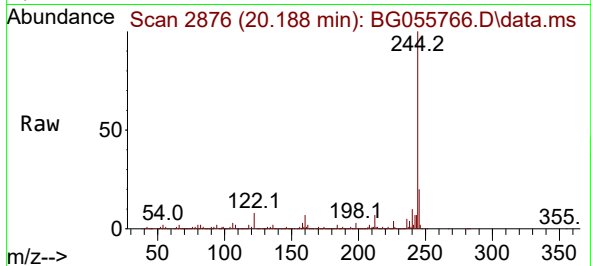




#79
 Terphenyl-d14
 Concen: 63.716 ng
 RT: 20.188 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG055766.D
 Acq: 23 Nov 2022 22:21

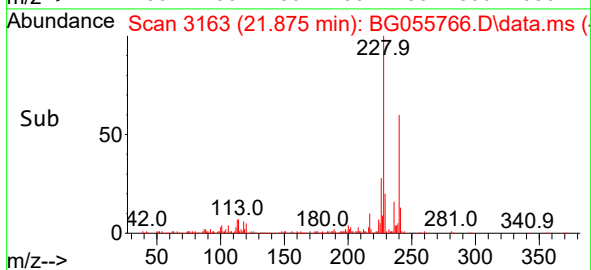
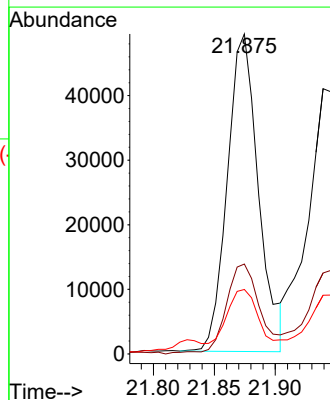
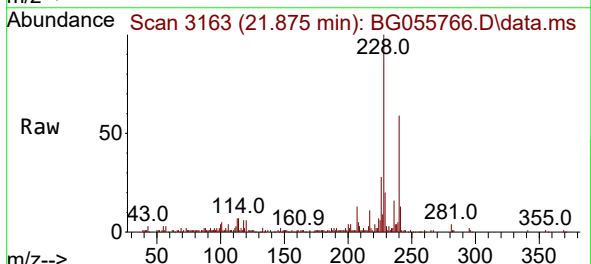
Instrument :
 BNA_G
 ClientSampleId :
 PSC-124019

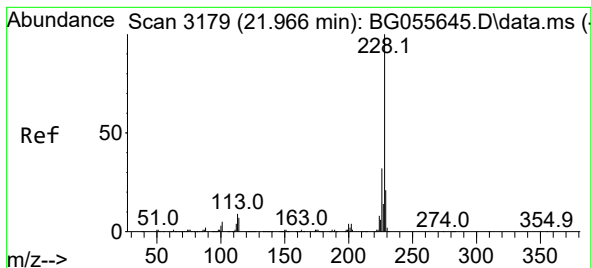
Tgt Ion:244 Resp: 720644
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.3 9.5
 122 7.5 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 5.600 ng
 RT: 21.875 min Scan# 3163
 Delta R.T. -0.010 min
 Lab File: BG055766.D
 Acq: 23 Nov 2022 22:21

Tgt Ion:228 Resp: 87249
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.7 34.1
 229 20.2 16.5 24.7





#83

Chrysene

Concen: 5.493 ng

RT: 21.939 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG055766.D

Acq: 23 Nov 2022 22:21

Instrument :

BNA_G

ClientSampleId :

PSC-124019

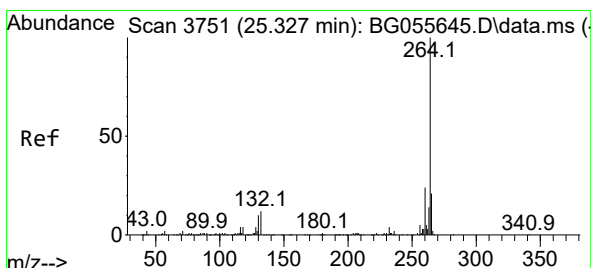
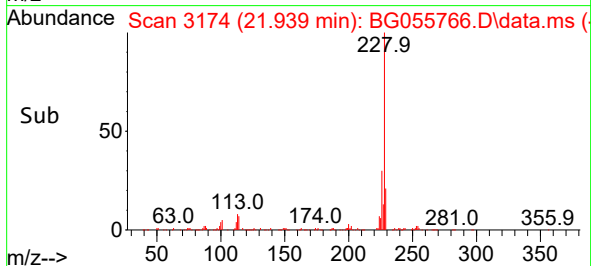
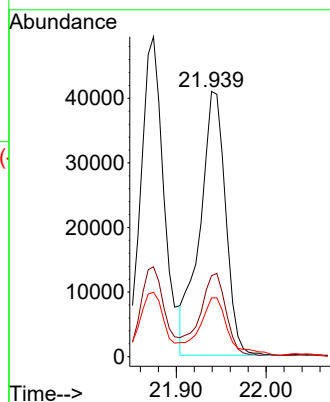
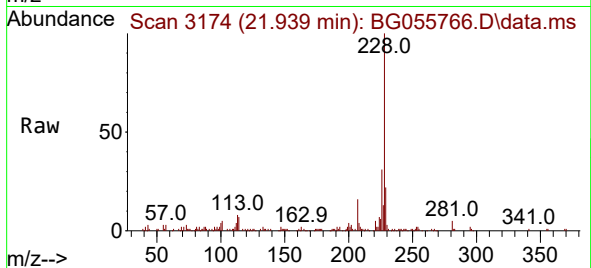
Tgt Ion:228 Resp: 81481

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.2

229 22.2 17.1 25.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.294 min Scan# 3745

Delta R.T. -0.010 min

Lab File: BG055766.D

Acq: 23 Nov 2022 22:21

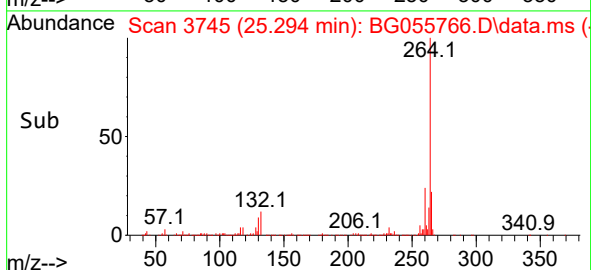
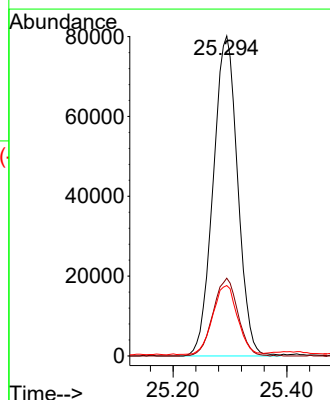
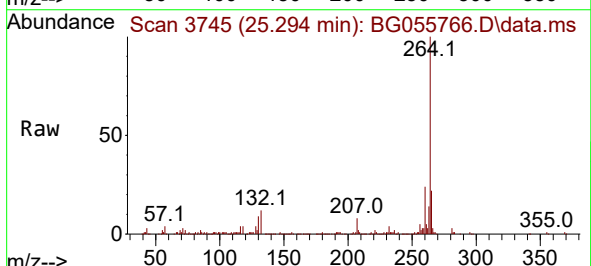
Tgt Ion:264 Resp: 239216

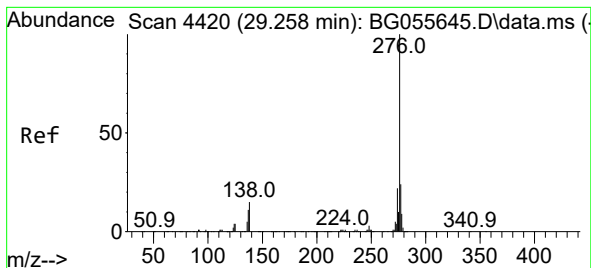
Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 22.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.050 ng

RT: 29.195 min Scan# 4420

Delta R.T. -0.039 min

Lab File: BG055766.D

Acq: 23 Nov 2022 22:21

Instrument :

BNA_G

ClientSampleId :

PSC-124019

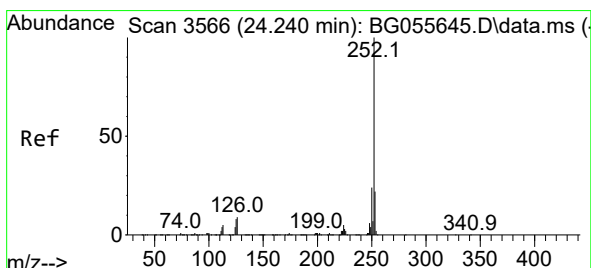
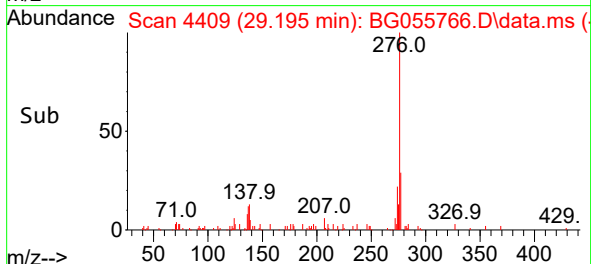
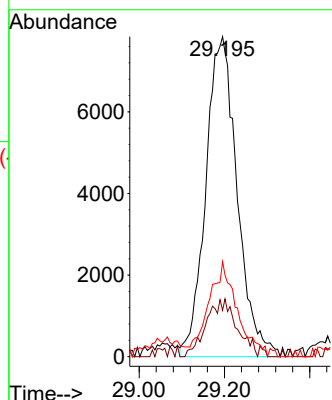
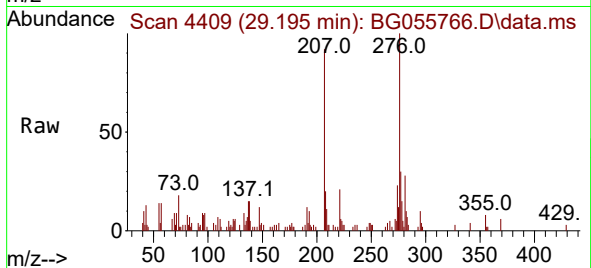
Tgt Ion:276 Resp: 40168

Ion Ratio Lower Upper

276 100

138 9.6 10.4 15.6#

277 26.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 6.385 ng

RT: 24.207 min Scan# 3560

Delta R.T. -0.010 min

Lab File: BG055766.D

Acq: 23 Nov 2022 22:21

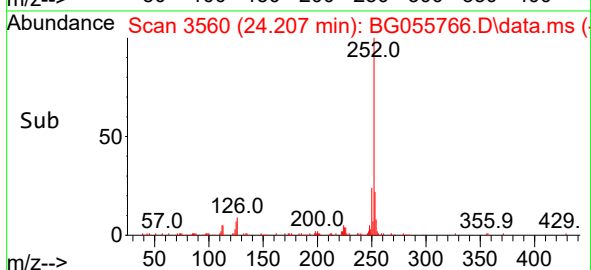
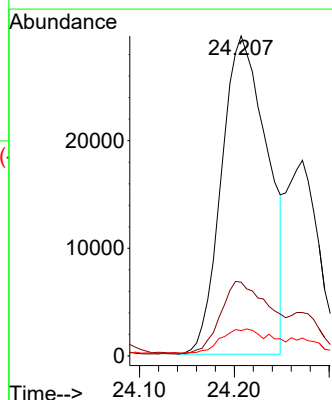
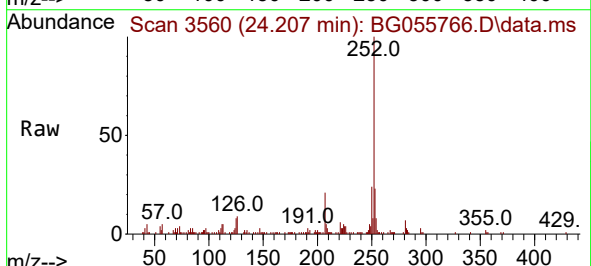
Tgt Ion:252 Resp: 99479

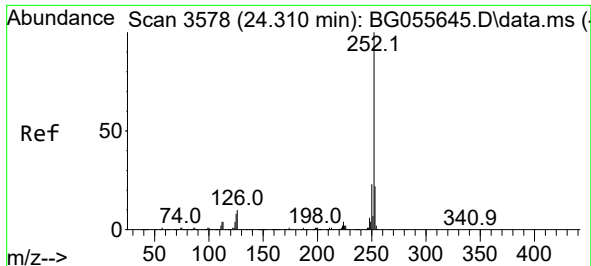
Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

125 7.9 6.2 9.2

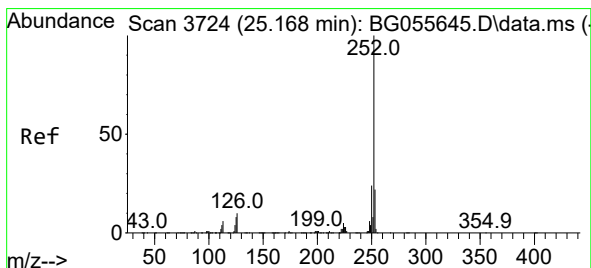
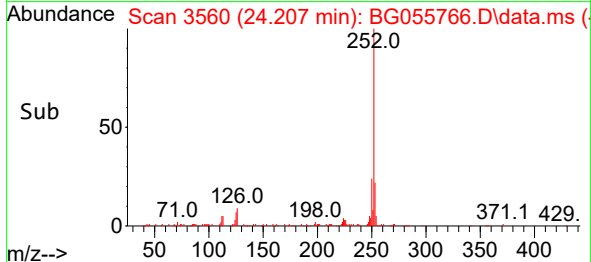
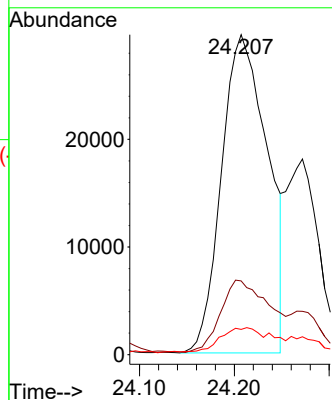
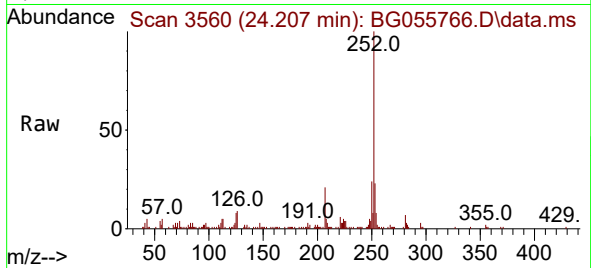




#89
Benzo(k)fluoranthene
Concen: 6.406 ng
RT: 24.207 min Scan# 31
Delta R.T. -0.086 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

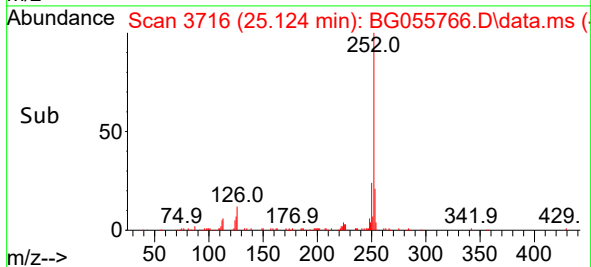
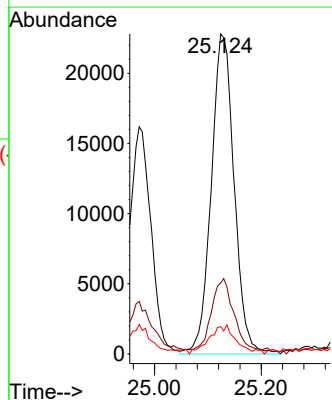
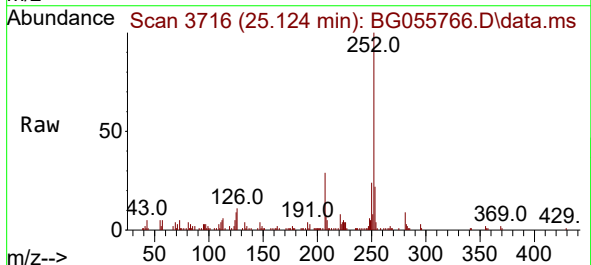
Instrument :
BNA_G
ClientSampleId :
PSC-124019

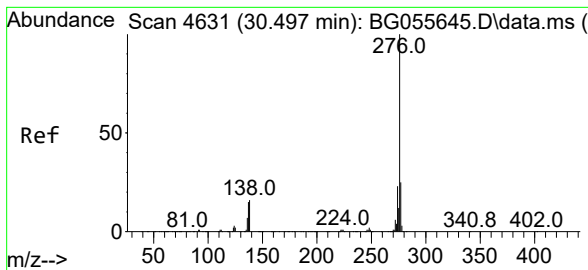
Tgt Ion:252 Resp: 99479
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 7.9 6.1 9.1



#90
Benzo(a)pyrene
Concen: 5.084 ng
RT: 25.124 min Scan# 3716
Delta R.T. -0.021 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

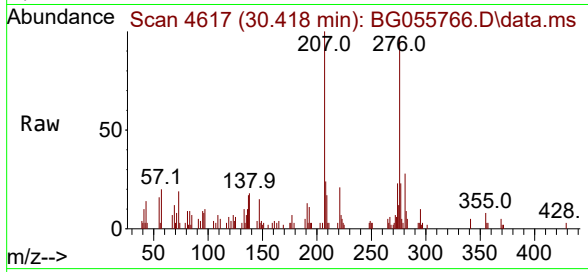
Tgt Ion:252 Resp: 67971
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 8.5 6.4 9.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.035 ng
 RT: 30.418 min Scan# 4
 Delta R.T. -0.045 min
 Lab File: BG055766.D
 Acq: 23 Nov 2022 22:21

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124019



Tgt Ion:	276	Resp:	32841
Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.8	29.6
138	19.0	13.1	19.7

