

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021723\
 Data File : BG056667.D
 Acq On : 17 Feb 2023 22:35
 Operator : CG/JU
 Sample : 01574-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WASTE

Quant Time: Feb 18 00:10:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 16 01:33:33 2023
 Response via : Initial Calibration

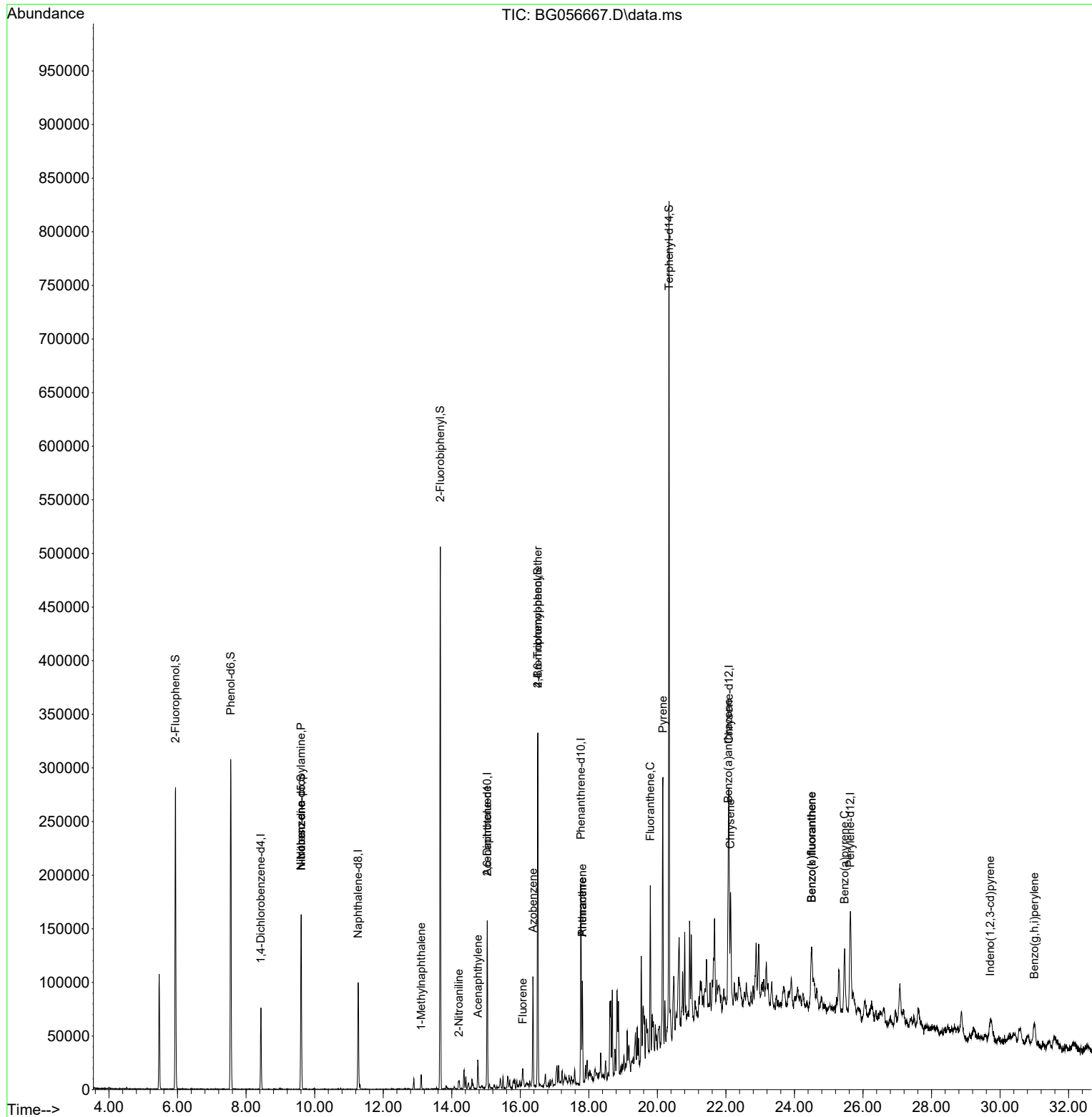
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.433	152	20403	20.000	ng	0.00
21) Naphthalene-d8	11.270	136	78450	20.000	ng	0.00
39) Acenaphthene-d10	15.037	164	54267	20.000	ng	0.00
64) Phenanthrene-d10	17.769	188	119161	20.000	ng	0.00
76) Chrysene-d12	22.087	240	106218	20.000	ng	-0.01
86) Perylene-d12	25.630	264	118960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.941	112	123901	98.807	ng	0.00
7) Phenol-d6	7.551	99	175502	94.748	ng	0.00
23) Nitrobenzene-d5	9.608	82	98999	64.613	ng	0.00
42) 2,4,6-Tribromophenol	16.511	330	66932	90.086	ng	0.00
45) 2-Fluorobiphenyl	13.668	172	253536	62.561	ng	0.00
79) Terphenyl-d14	20.342	244	404482	62.304	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.608	70	13895	10.020	ng	# 75
24) Nitrobenzene	9.608	77	175	2.781	ng	# 43
38) 1-Methylnaphthalene	13.109	142	6411	2.001	ng	91
48) 2-Nitroaniline	14.208	65	56	5.299	ng	# 3
49) Acenaphthylene	14.766	152	21104	3.993	ng	# 93
51) 2,6-Dinitrotoluene	15.037	165	7500	10.739	ng	# 24
58) Fluorene	16.071	166	10069	2.312	ng	96
63) Azobenzene	16.370	77	30235	6.676	ng	# 1
67) 4-Bromophenyl-phenylether	16.511	248	4785	3.128	ng	# 1
71) Phenanthrene	17.810	178	63262	9.758	ng	98
72) Anthracene	17.810	178	63262	9.537	ng	99
75) Fluoranthene	19.796	202	95613	11.177	ng	96
78) Pyrene	20.160	202	164286	20.480	ng	98
81) Benzo(a)anthracene	22.070	228	78203	9.900	ng	# 90
83) Chrysene	22.134	228	90766	12.291	ng	# 95
87) Indeno(1,2,3-cd)pyrene	29.714	276	43780	4.699	ng	# 77
88) Benzo(b)fluoranthene	24.502	252	83492	10.743	ng	# 96
89) Benzo(k)fluoranthene	24.502	252	83492	10.925	ng	# 99
90) Benzo(a)pyrene	25.466	252	66569	8.911	ng	97
92) Benzo(g,h,i)perylene	31.000	276	47625	6.317	ng	96

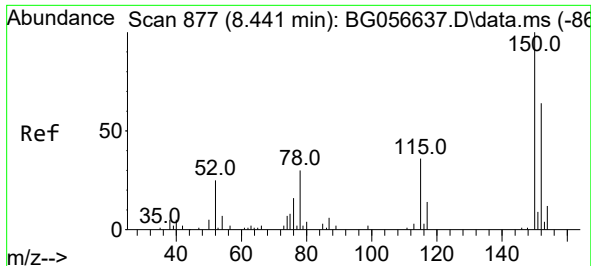
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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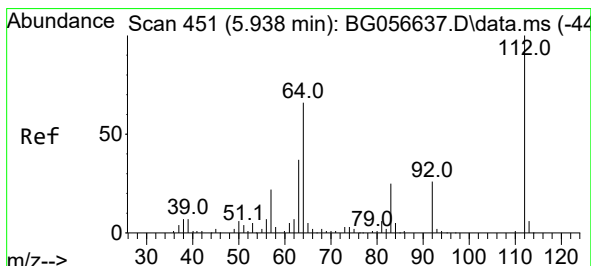
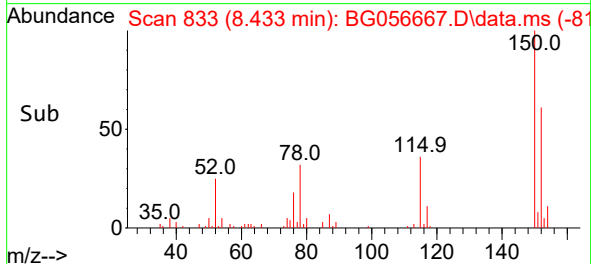
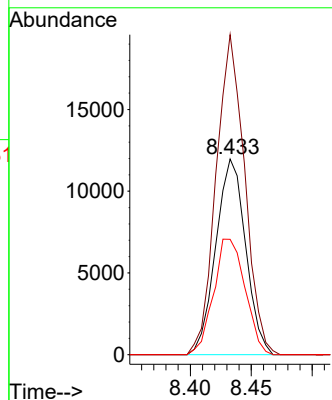
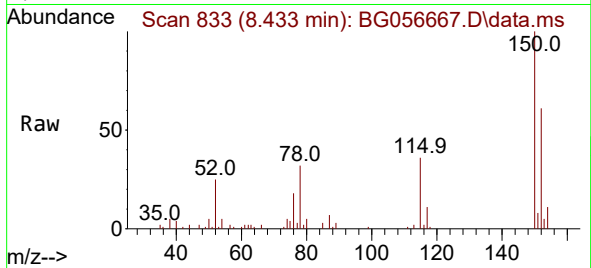




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.433 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

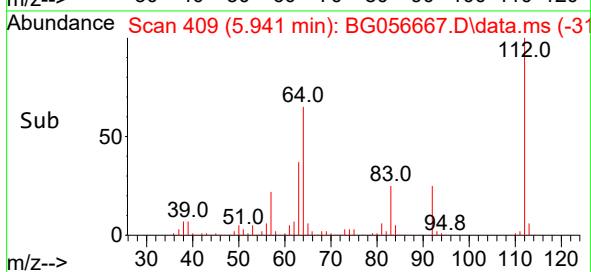
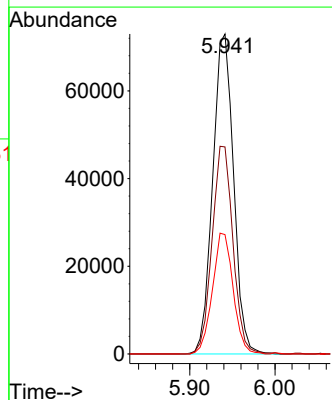
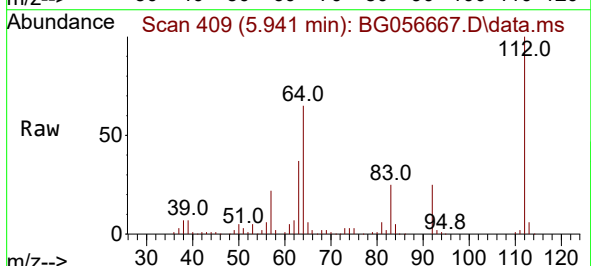
Instrument :
BNA_G
ClientSampleId :
WASTE

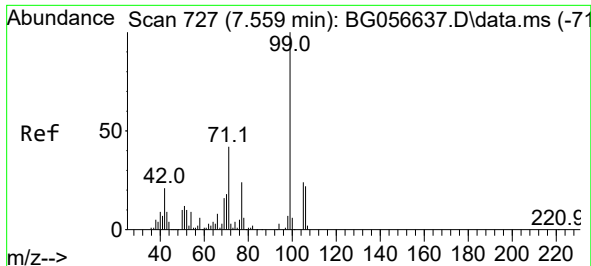
Tgt Ion:152 Resp: 20403
Ion Ratio Lower Upper
152 100
150 163.5 124.8 187.2
115 58.9 44.7 67.1



#5
2-Fluorophenol
Concen: 98.807 ng
RT: 5.941 min Scan# 409
Delta R.T. 0.004 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

Tgt Ion:112 Resp: 123901
Ion Ratio Lower Upper
112 100
64 64.7 52.6 78.8
63 37.3 29.8 44.6

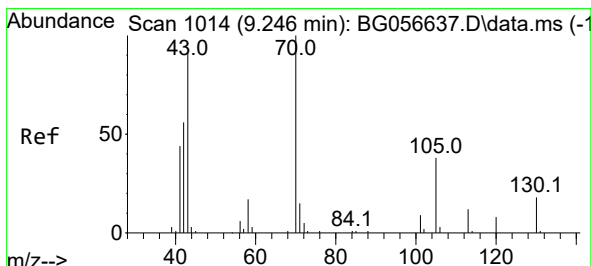
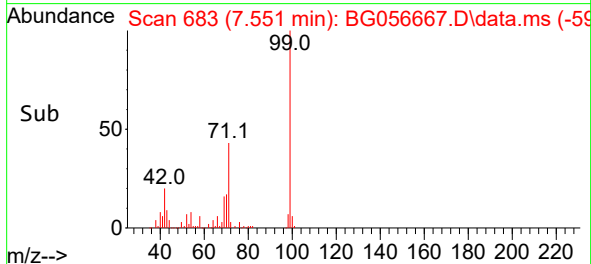
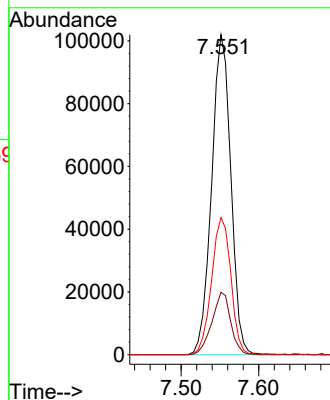
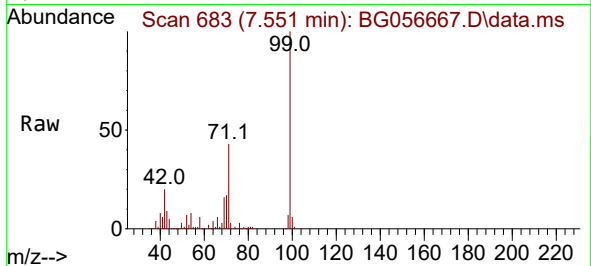




#7
Phenol-d6
Concen: 94.748 ng
RT: 7.551 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

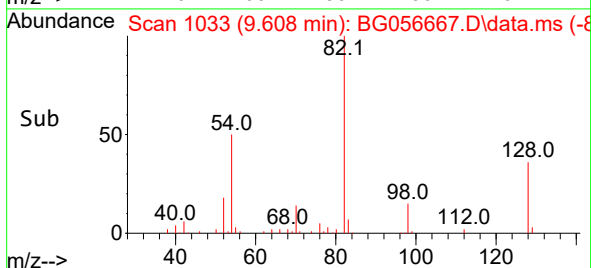
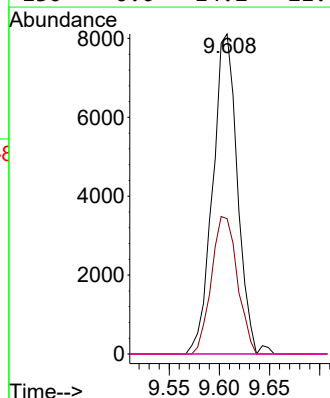
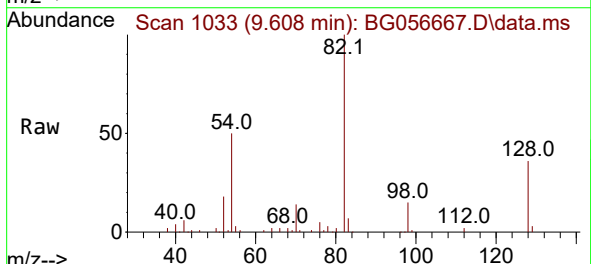
Instrument :
BNA_G
ClientSampleId :
WASTE

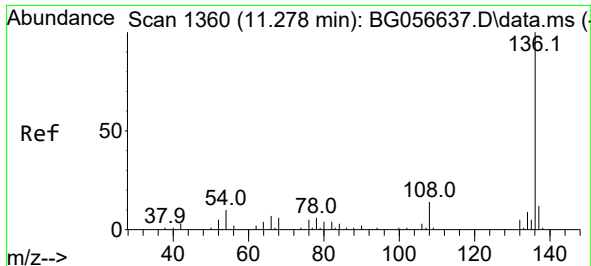
Tgt Ion: 99 Resp: 175502
Ion Ratio Lower Upper
99 100
42 19.5 16.8 25.2
71 42.9 33.9 50.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.020 ng
RT: 9.608 min Scan# 1033
Delta R.T. 0.362 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

Tgt Ion: 70 Resp: 13895
Ion Ratio Lower Upper
70 100
42 42.3 45.7 68.5#
101 0.0 7.4 11.0#
130 0.0 14.2 21.4#

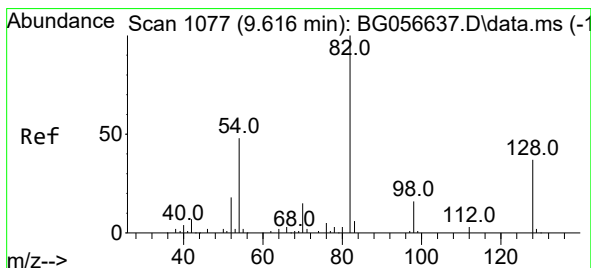
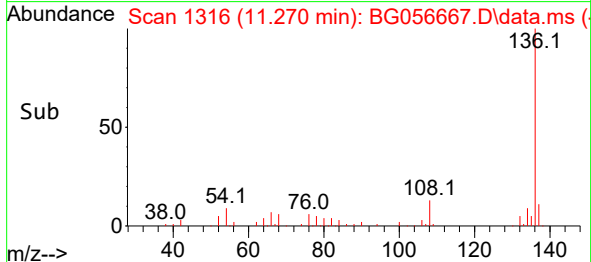
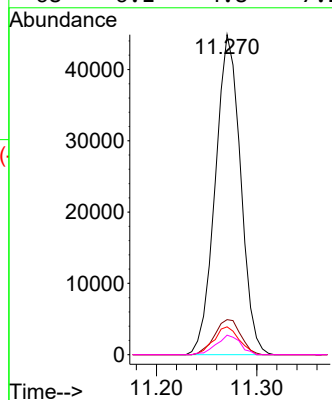
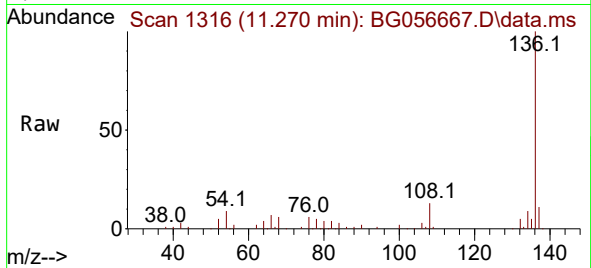




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.270 min Scan# 111
Delta R.T. -0.008 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

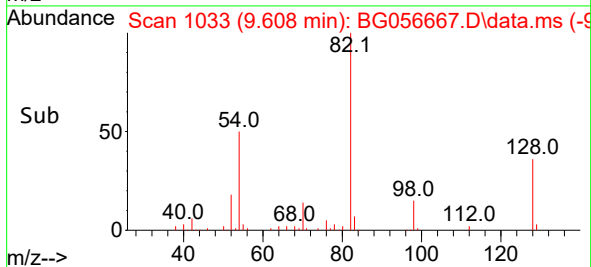
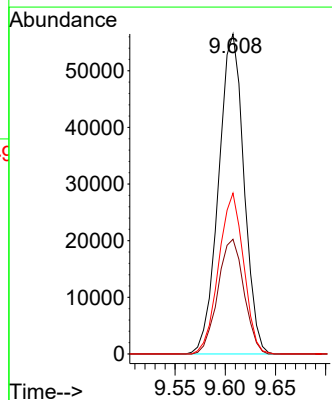
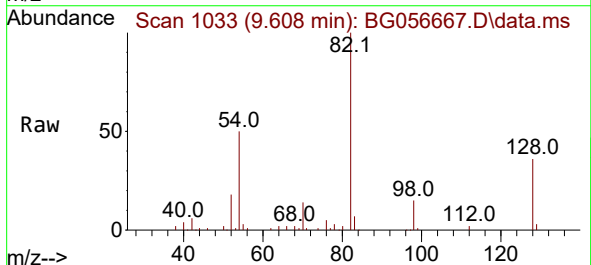
Instrument :
BNA_G
ClientSampleId :
WASTE

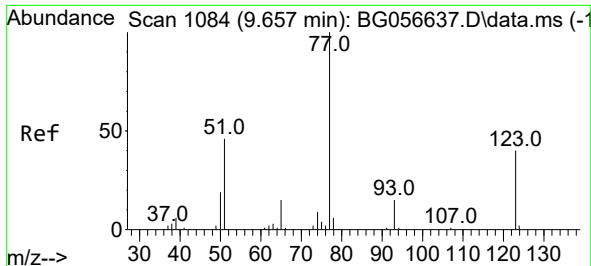
Tgt Ion:	136	Resp:	78450
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.7	14.5
54	8.7	7.7	11.5
68	6.1	4.8	7.2



#23
Nitrobenzene-d5
Concen: 64.613 ng
RT: 9.608 min Scan# 1033
Delta R.T. -0.008 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

Tgt Ion:	82	Resp:	98999
Ion Ratio	Lower	Upper	
82	100		
128	35.8	29.4	44.2
54	50.3	37.8	56.6

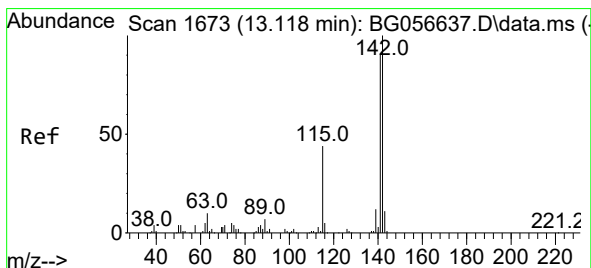
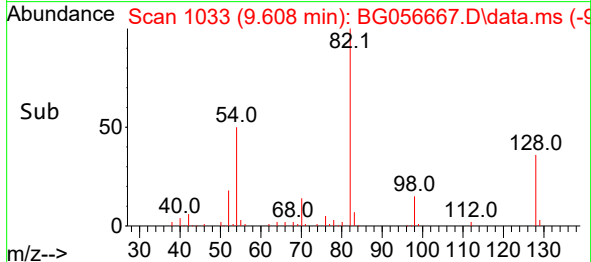
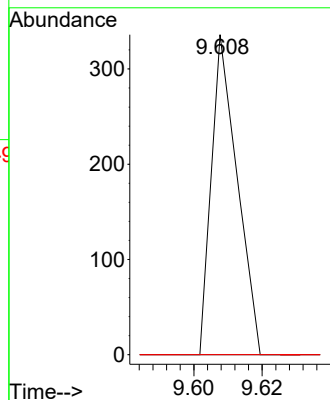
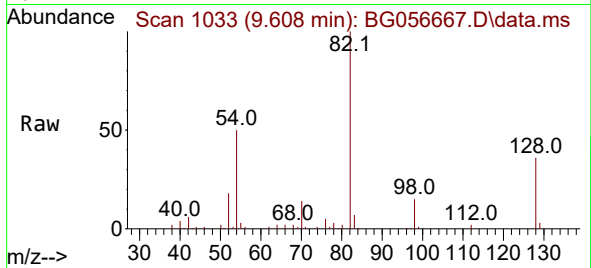




#24
Nitrobenzene
Concen: 2.781 ng
RT: 9.608 min Scan# 1084
Delta R.T. -0.049 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

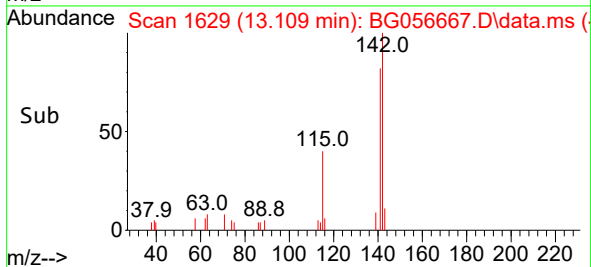
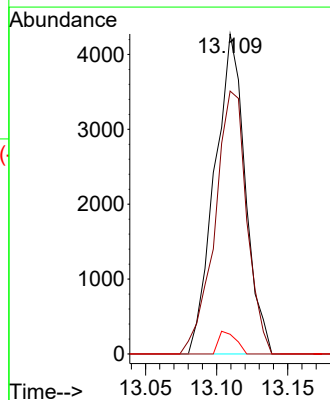
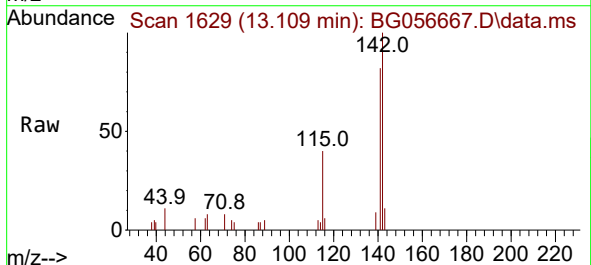
Instrument :
BNA_G
ClientSampleId :
WASTE

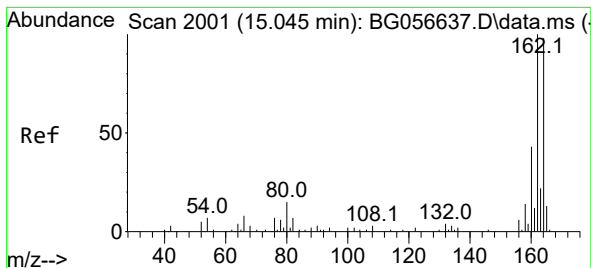
Tgt Ion: 77 Resp: 175
Ion Ratio Lower Upper
77 100
123 0.0 31.8 47.8#
65 0.0 12.0 18.0#



#38
1-Methylnaphthalene
Concen: 2.001 ng
RT: 13.109 min Scan# 1629
Delta R.T. -0.008 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

Tgt Ion: 142 Resp: 6411
Ion Ratio Lower Upper
142 100
141 82.2 72.7 109.1
116 6.2 4.2 6.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.037 min Scan# 1957

Delta R.T. -0.008 min

Lab File: BG056667.D

Acq: 17 Feb 2023 22:35

Instrument :

BNA_G

ClientSampleId :

WASTE

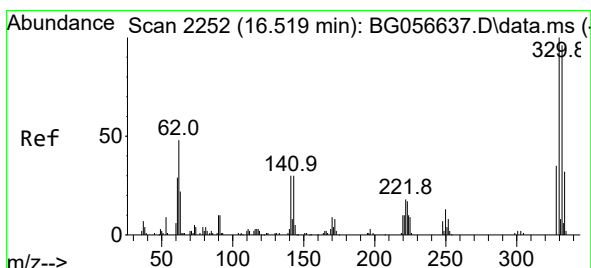
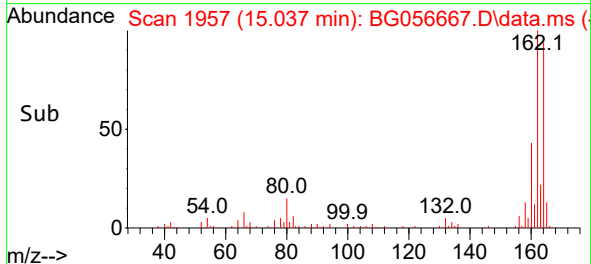
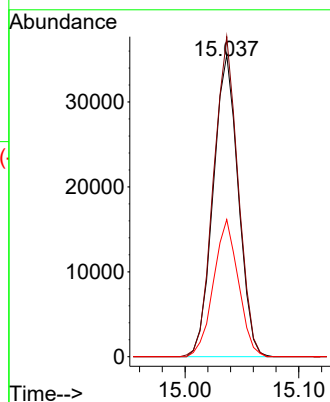
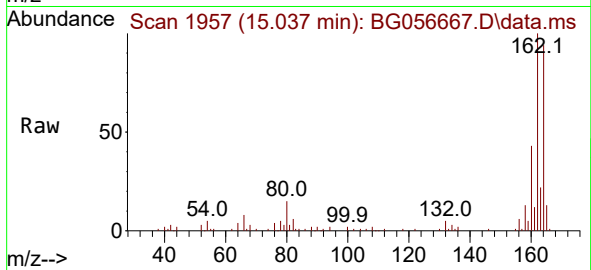
Tgt Ion:164 Resp: 54267

Ion Ratio Lower Upper

164 100

162 106.0 81.3 121.9

160 45.4 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 90.086 ng

RT: 16.511 min Scan# 2208

Delta R.T. -0.008 min

Lab File: BG056667.D

Acq: 17 Feb 2023 22:35

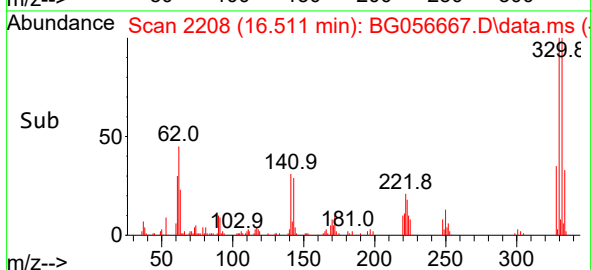
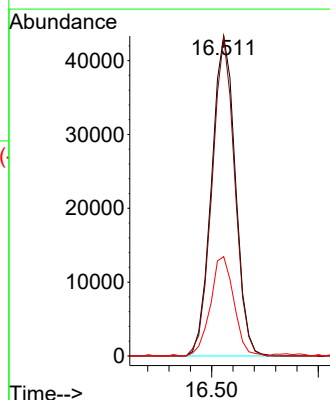
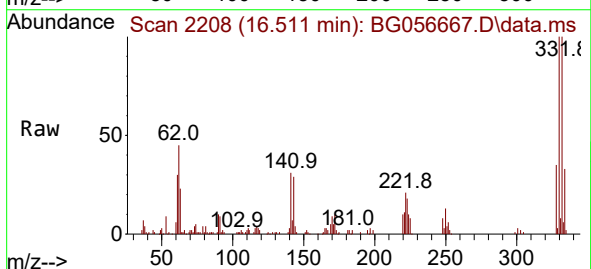
Tgt Ion:330 Resp: 66932

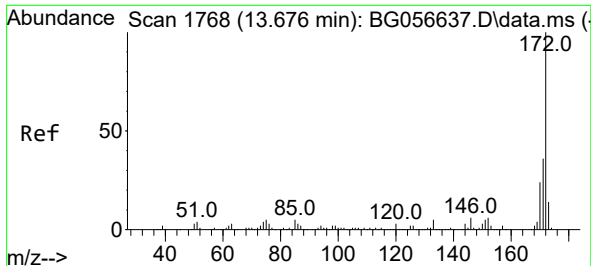
Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

141 30.7 24.6 37.0

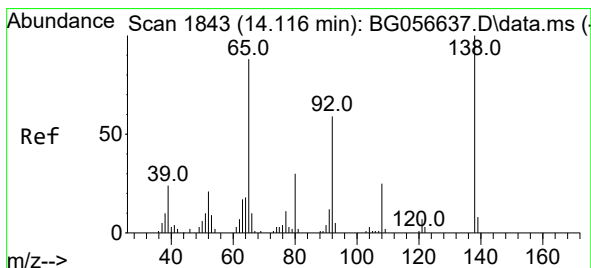
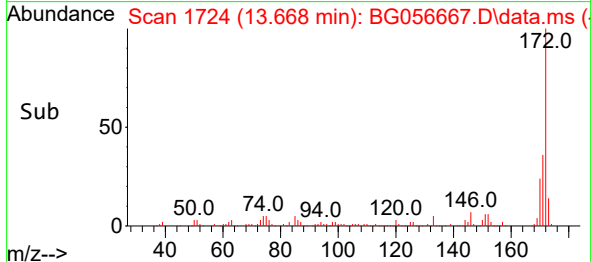
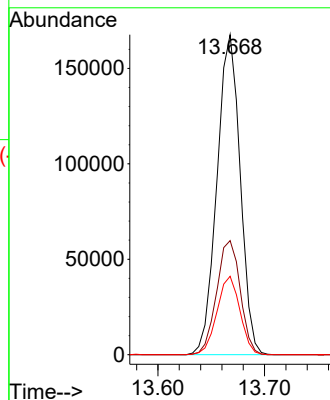
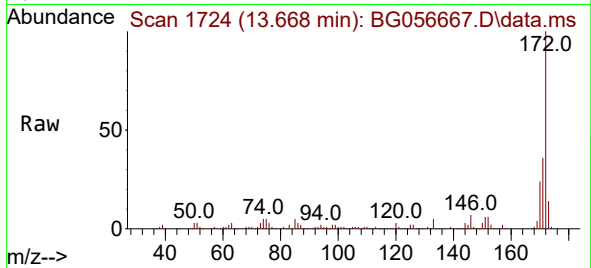




#45
2-Fluorobiphenyl
Concen: 62.561 ng
RT: 13.668 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

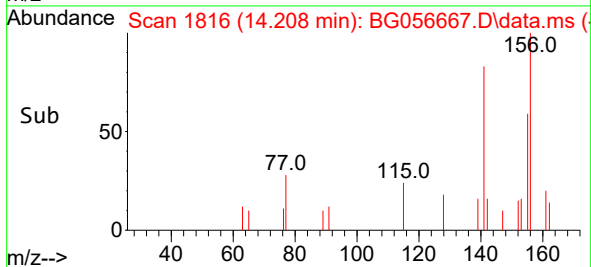
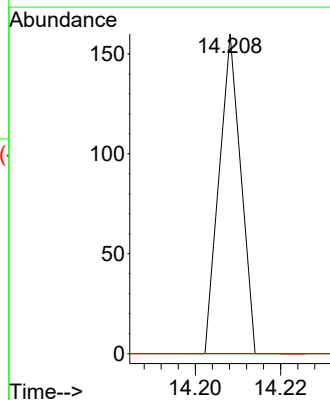
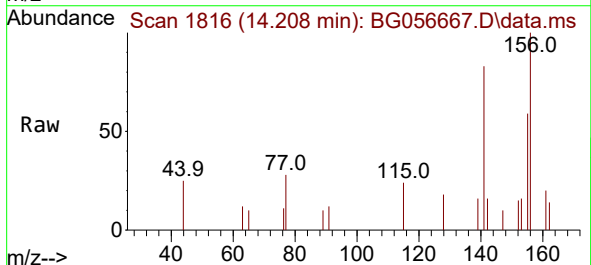
Instrument :
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ClientSampleId :
WASTE

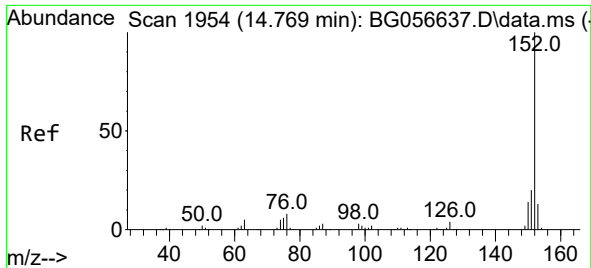
Tgt Ion:172 Resp: 253536
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 24.5 19.4 29.0



#48
2-Nitroaniline
Concen: 5.299 ng
RT: 14.208 min Scan# 1816
Delta R.T. 0.092 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

Tgt Ion: 65 Resp: 56
Ion Ratio Lower Upper
65 100
92 0.0 53.8 80.6#
138 0.0 90.6 135.8#

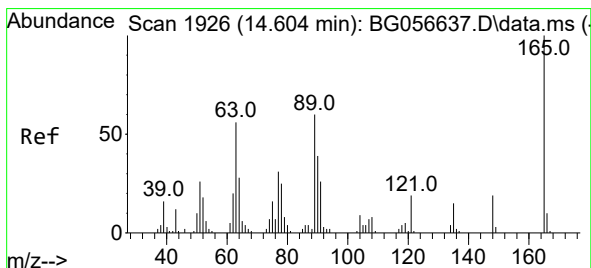
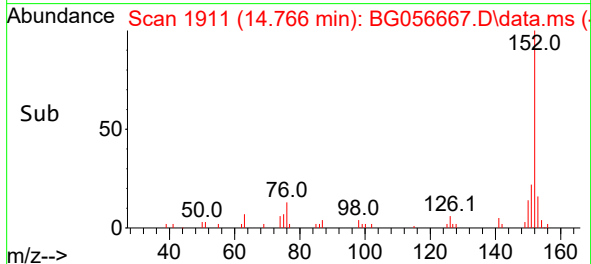
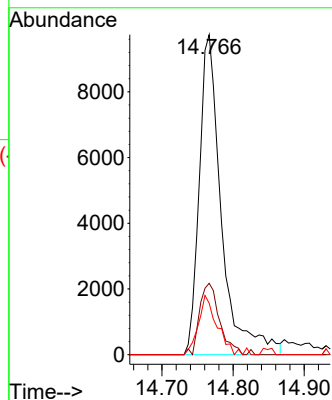
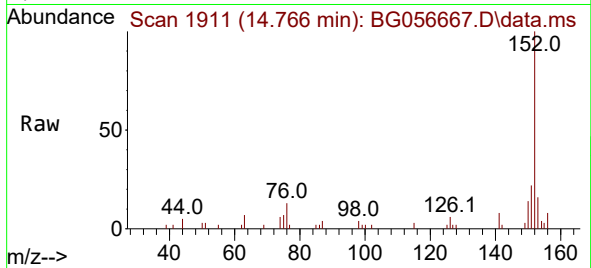




#49
Acenaphthylene
Concen: 3.993 ng
RT: 14.766 min Scan# 1911
Delta R.T. -0.002 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

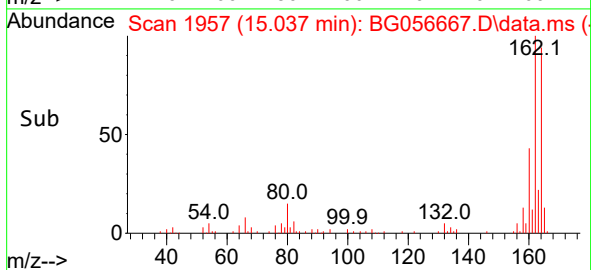
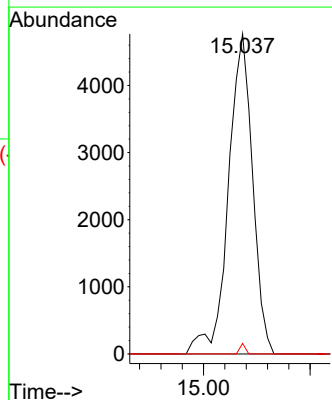
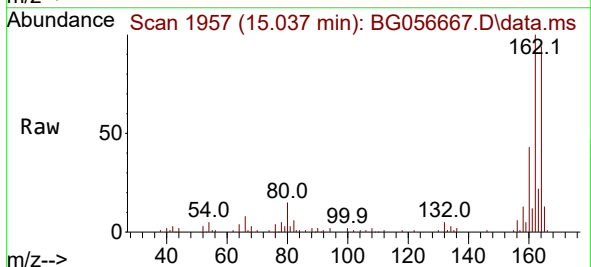
Instrument :
BNA_G
ClientSampleId :
WASTE

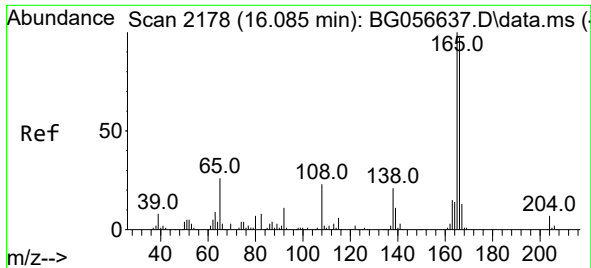
Tgt Ion:152 Resp: 21104
Ion Ratio Lower Upper
152 100
151 22.3 15.6 23.4
153 16.1 10.3 15.5#



#51
2,6-Dinitrotoluene
Concen: 10.739 ng
RT: 15.037 min Scan# 1957
Delta R.T. 0.433 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

Tgt Ion:165 Resp: 7500
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 3.3 48.2 72.2#

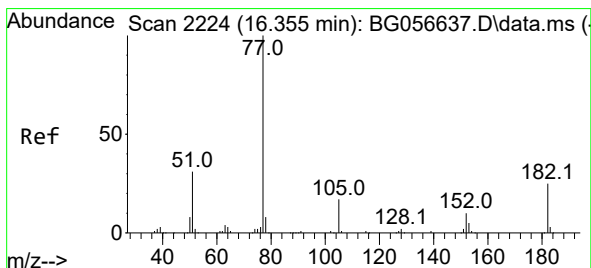
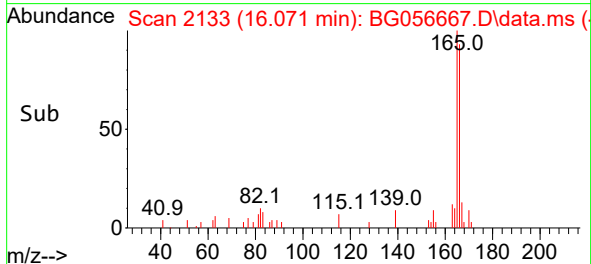
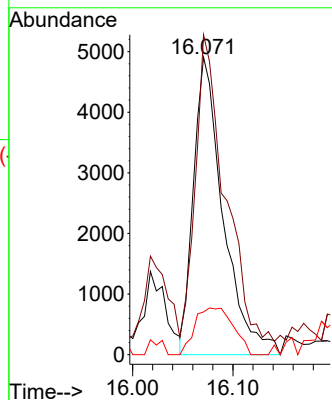
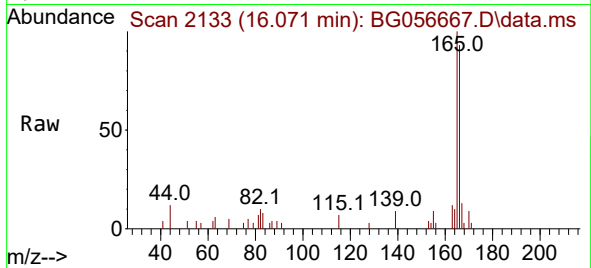




#58
Fluorene
Concen: 2.312 ng
RT: 16.071 min Scan# 2178
Delta R.T. -0.014 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

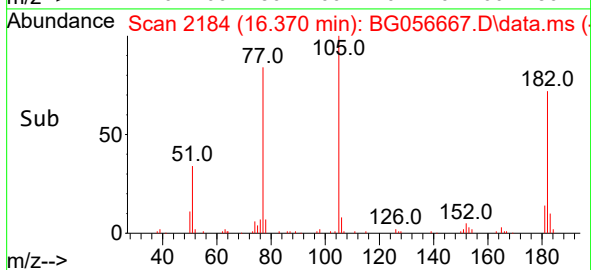
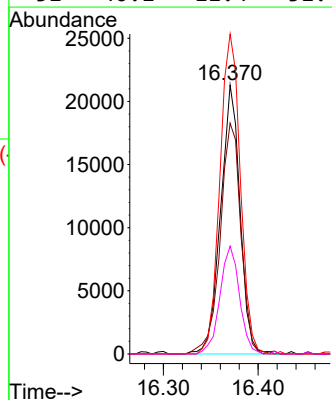
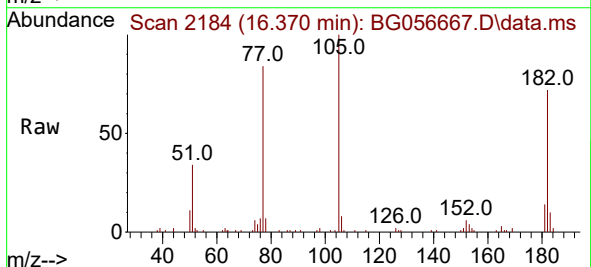
Instrument :
BNA_G
ClientSampleId :
WASTE

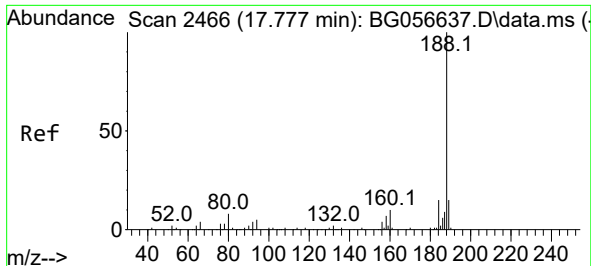
Tgt Ion:166 Resp: 10069
Ion Ratio Lower Upper
166 100
165 107.6 82.9 124.3
167 14.3 11.1 16.7



#63
Azobenzene
Concen: 6.676 ng
RT: 16.370 min Scan# 2184
Delta R.T. 0.015 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

Tgt Ion: 77 Resp: 30235
Ion Ratio Lower Upper
77 100
182 85.8 5.2 45.2#
105 119.0 0.0 37.3#
51 40.1 11.4 51.4

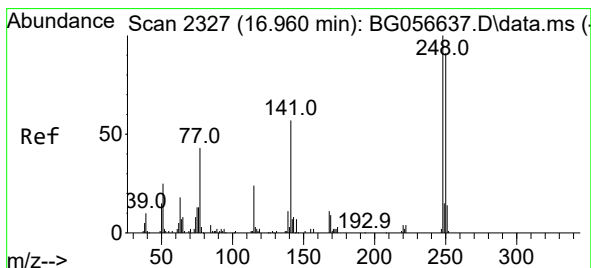
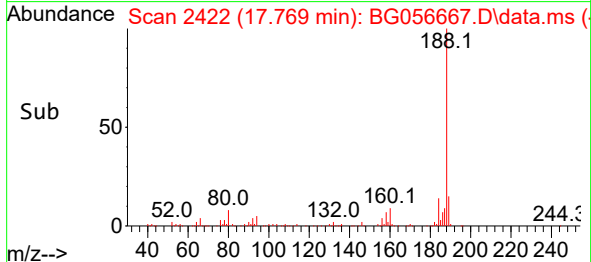
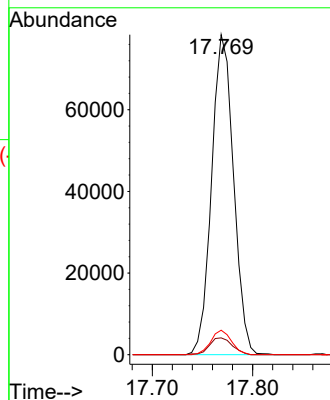
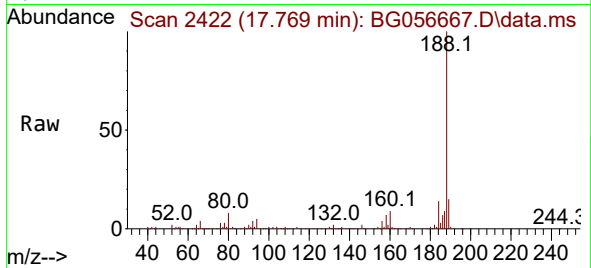




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.769 min Scan# 2466
Delta R.T. -0.008 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

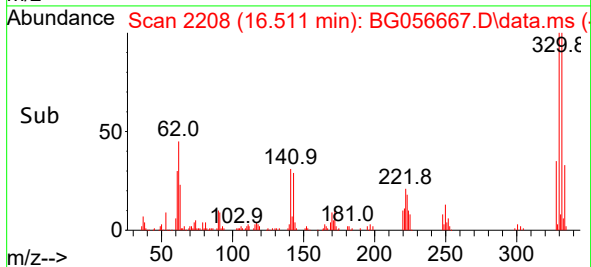
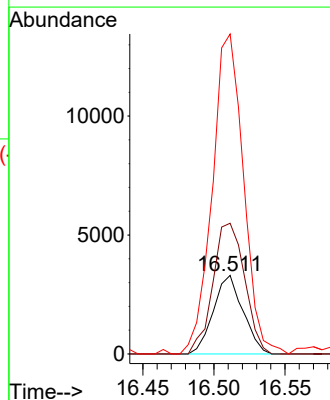
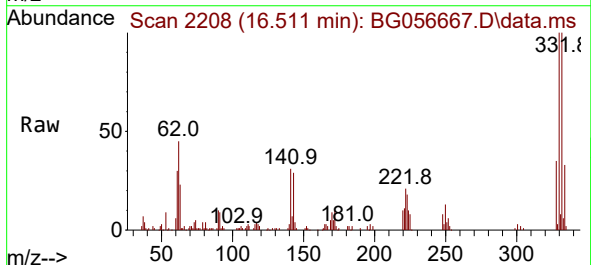
Instrument :
BNA_G
ClientSampleId :
WASTE

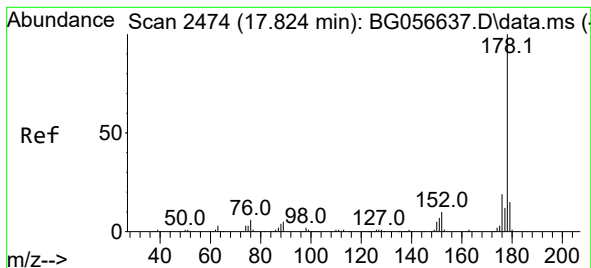
Tgt Ion:188 Resp: 119161
Ion Ratio Lower Upper
188 100
94 5.2 4.0 6.0
80 7.6 6.3 9.5



#67
4-Bromophenyl-phenylether
Concen: 3.128 ng
RT: 16.511 min Scan# 2208
Delta R.T. -0.449 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

Tgt Ion:248 Resp: 4785
Ion Ratio Lower Upper
248 100
250 166.6 73.0 109.6#
141 407.6 45.6 68.4#





#71

Phenanthrene

Concen: 9.758 ng

RT: 17.810 min Scan# 2429

Delta R.T. -0.014 min

Lab File: BG056667.D

Acq: 17 Feb 2023 22:35

Instrument :

BNA_G

ClientSampleId :

WASTE

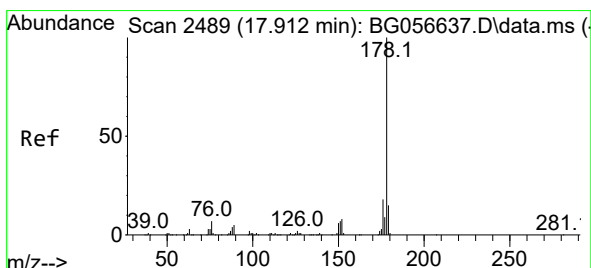
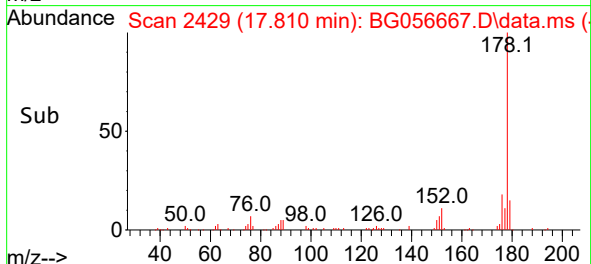
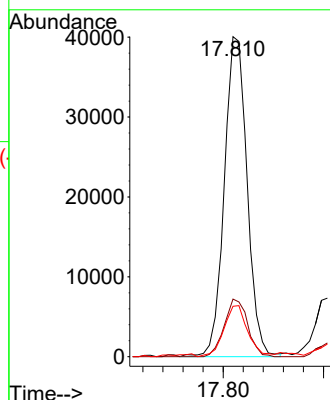
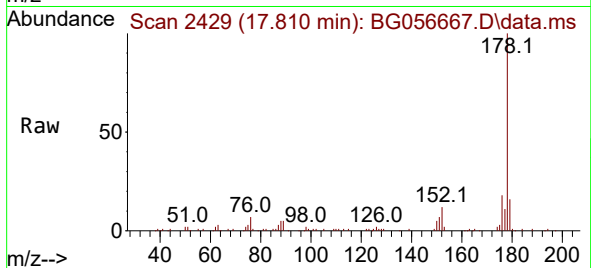
Tgt Ion:178 Resp: 63262

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

179 15.8 12.2 18.4



#72

Anthracene

Concen: 9.537 ng

RT: 17.810 min Scan# 2429

Delta R.T. -0.102 min

Lab File: BG056667.D

Acq: 17 Feb 2023 22:35

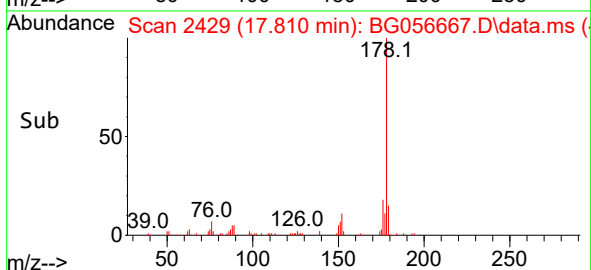
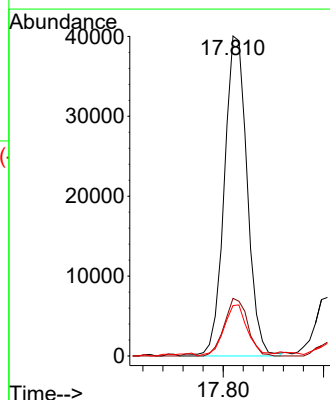
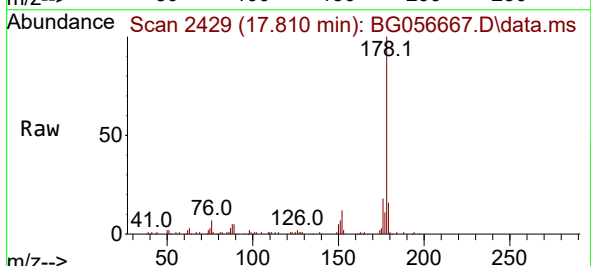
Tgt Ion:178 Resp: 63262

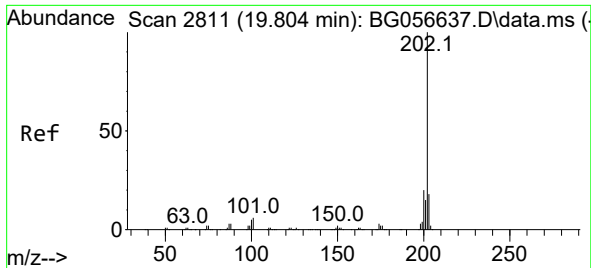
Ion Ratio Lower Upper

178 100

176 18.0 14.3 21.5

179 15.8 12.2 18.4

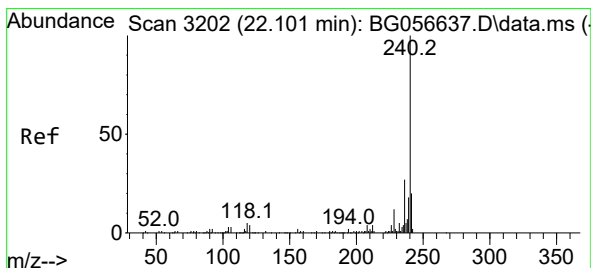
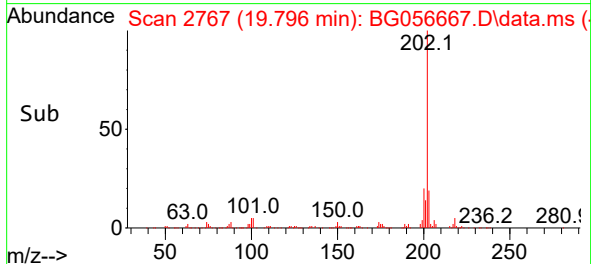
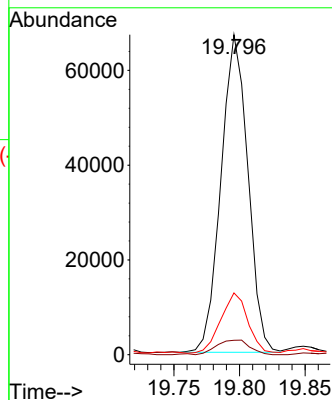
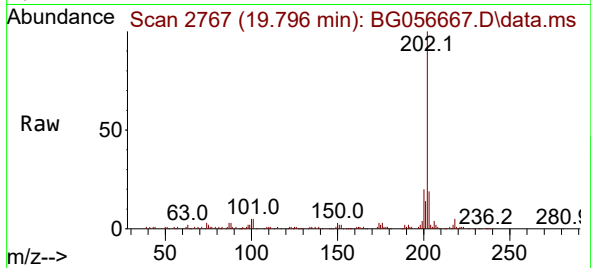




#75
Fluoranthene
Concen: 11.177 ng
RT: 19.796 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

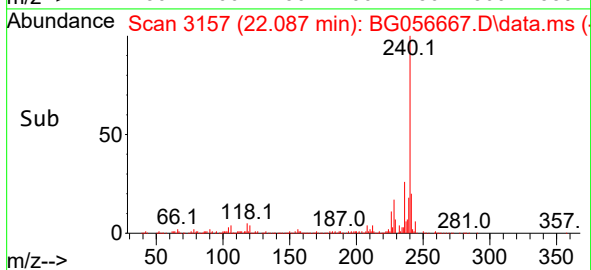
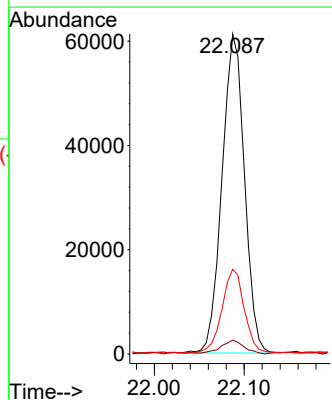
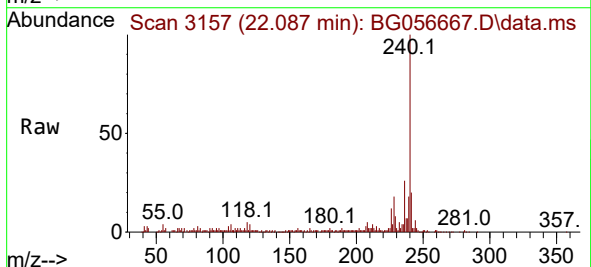
Instrument :
BNA_G
ClientSampleId :
WASTE

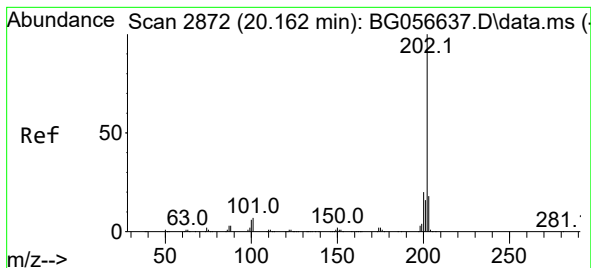
Tgt Ion:202 Resp: 95613
Ion Ratio Lower Upper
202 100
101 4.5 0.0 25.8
203 19.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.087 min Scan# 3157
Delta R.T. -0.014 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

Tgt Ion:240 Resp: 106218
Ion Ratio Lower Upper
240 100
120 4.4 3.5 5.3
236 26.4 21.5 32.3





#78

Pyrene

Concen: 20.480 ng

RT: 20.160 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG056667.D

Acq: 17 Feb 2023 22:35

Instrument :

BNA_G

ClientSampleId :

WASTE

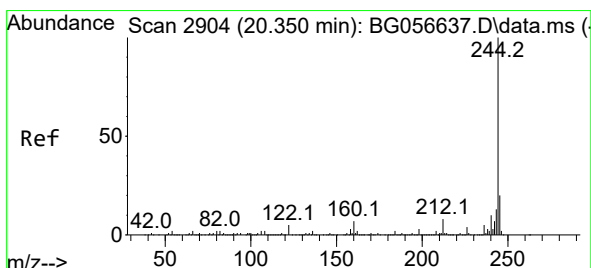
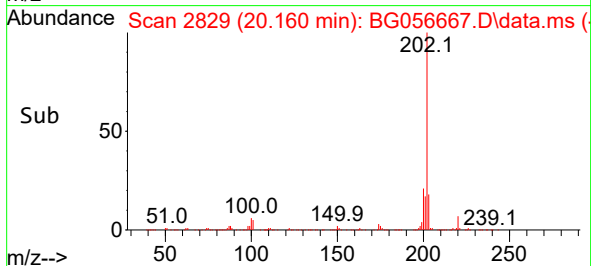
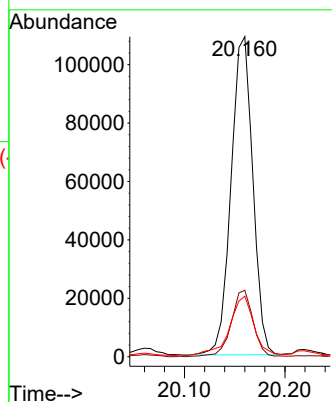
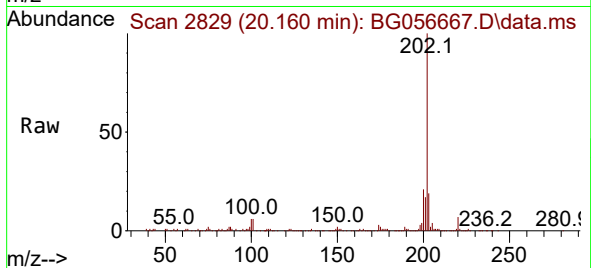
Tgt Ion:202 Resp: 164286

Ion Ratio Lower Upper

202 100

200 20.8 15.8 23.8

203 18.9 14.2 21.4



#79

Terphenyl-d14

Concen: 62.304 ng

RT: 20.342 min Scan# 2860

Delta R.T. -0.008 min

Lab File: BG056667.D

Acq: 17 Feb 2023 22:35

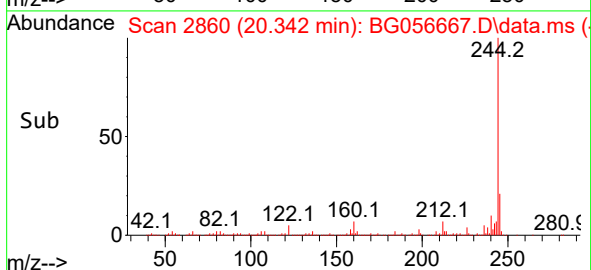
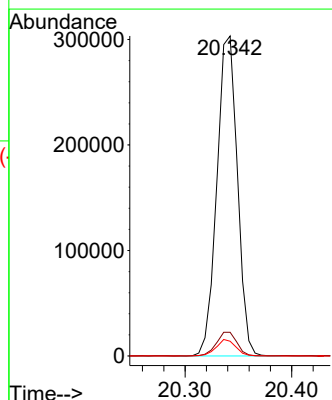
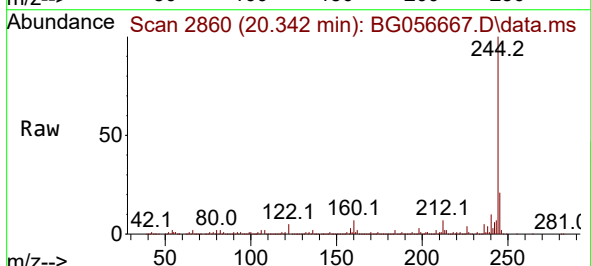
Tgt Ion:244 Resp: 404482

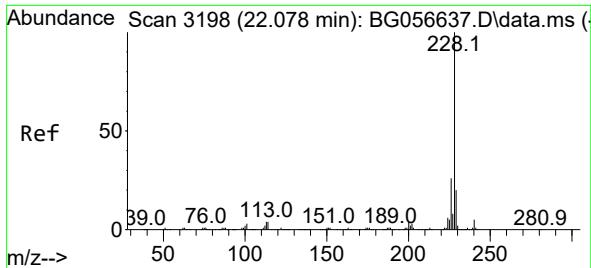
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 4.6 3.8 5.8

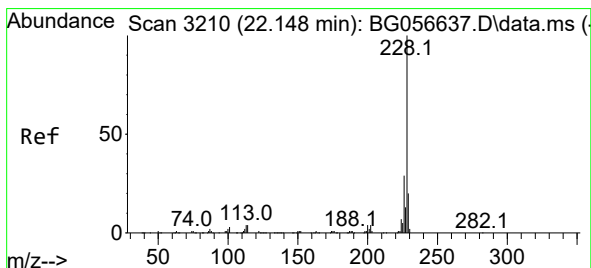
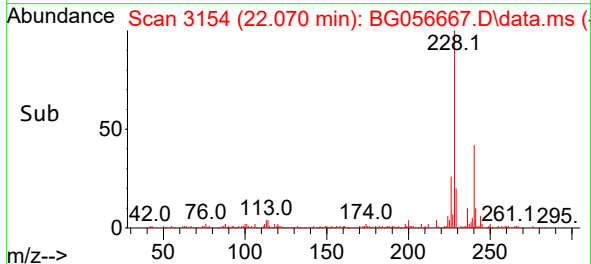
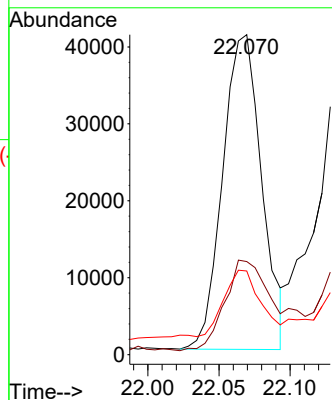
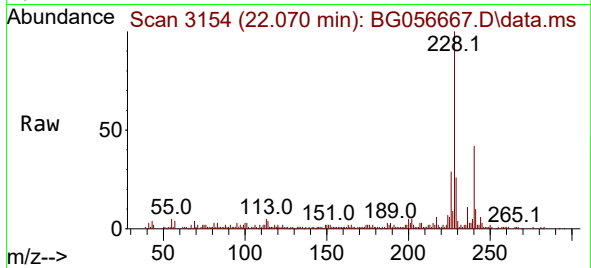




#81
Benzo(a)anthracene
Concen: 9.900 ng
RT: 22.070 min Scan# 3114
Delta R.T. -0.008 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

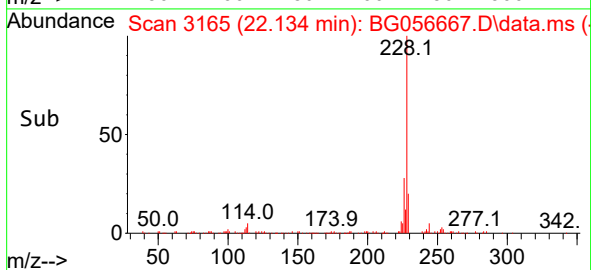
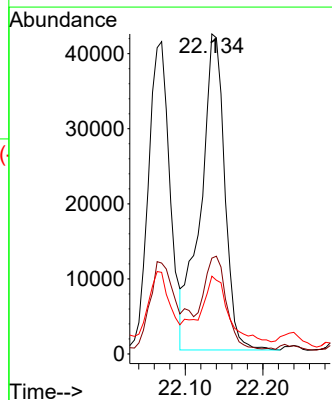
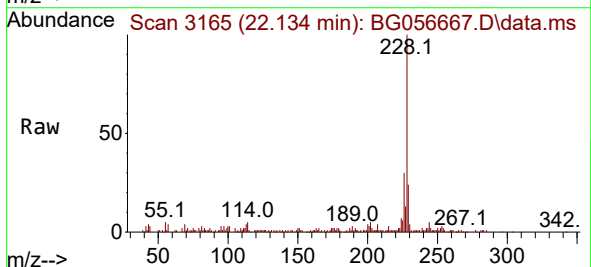
Instrument :
BNA_G
ClientSampleId :
WASTE

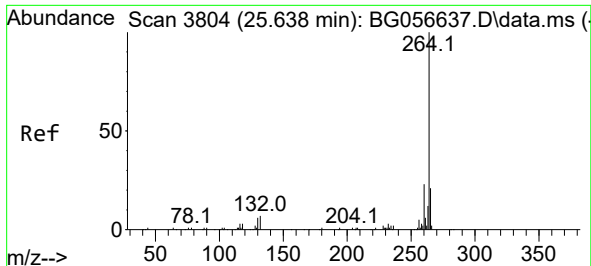
Tgt Ion:228 Resp: 78203
Ion Ratio Lower Upper
228 100
226 29.1 20.4 30.6
229 26.1 16.0 24.0#



#83
Chrysene
Concen: 12.291 ng
RT: 22.134 min Scan# 3165
Delta R.T. -0.014 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

Tgt Ion:228 Resp: 90766
Ion Ratio Lower Upper
228 100
226 29.9 23.0 34.6
229 24.3 15.8 23.8#

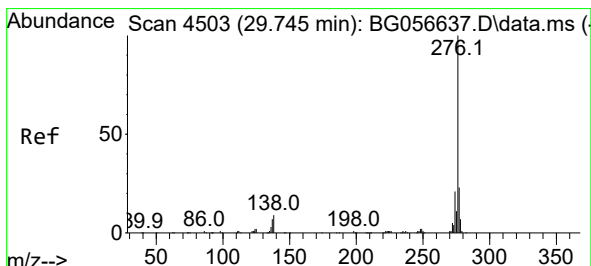
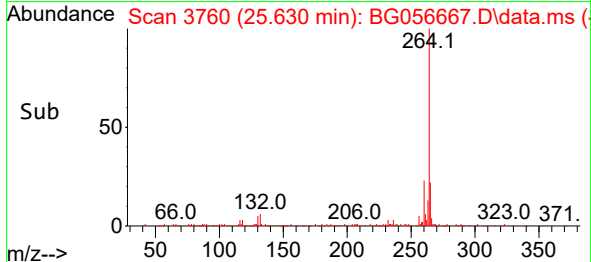
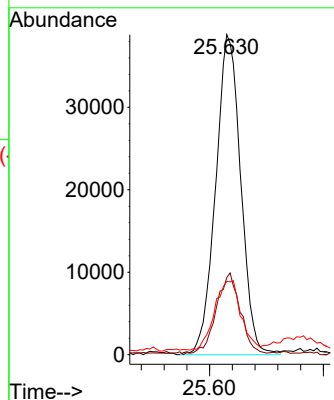
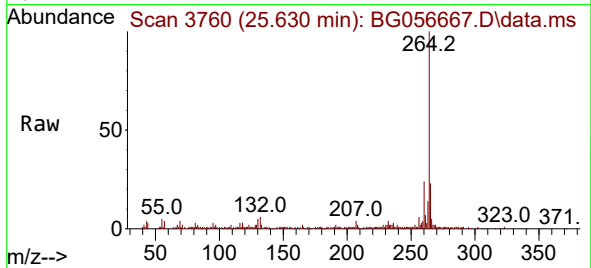




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.630 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

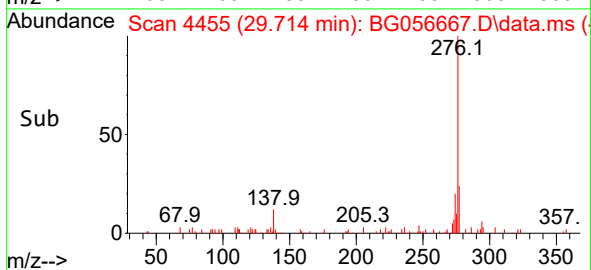
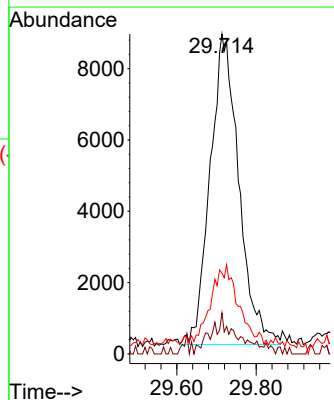
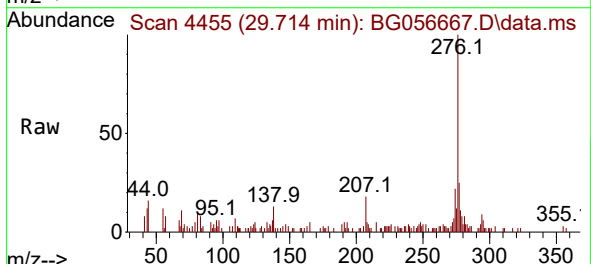
Instrument :
BNA_G
ClientSampleId :
WASTE

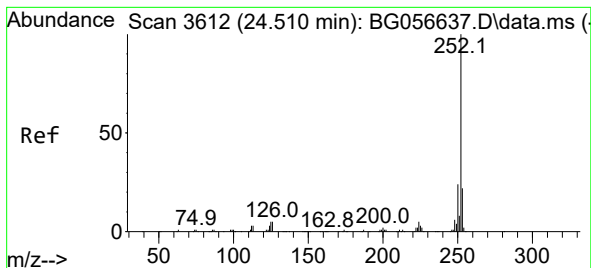
Tgt Ion:264 Resp: 118960
Ion Ratio Lower Upper
264 100
260 24.1 18.6 27.8
265 22.9 17.0 25.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.699 ng
RT: 29.714 min Scan# 4455
Delta R.T. -0.032 min
Lab File: BG056667.D
Acq: 17 Feb 2023 22:35

Tgt Ion:276 Resp: 43780
Ion Ratio Lower Upper
276 100
138 4.9 3.8 5.8
277 11.4 20.3 30.5#





#88

Benzo(b)fluoranthene

Concen: 10.743 ng

RT: 24.502 min Scan# 3568

Delta R.T. -0.008 min

Lab File: BG056667.D

Acq: 17 Feb 2023 22:35

Instrument :

BNA_G

ClientSampleId :

WASTE

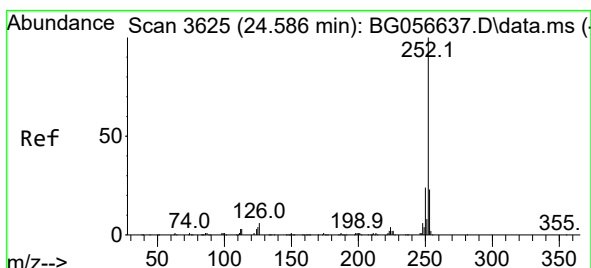
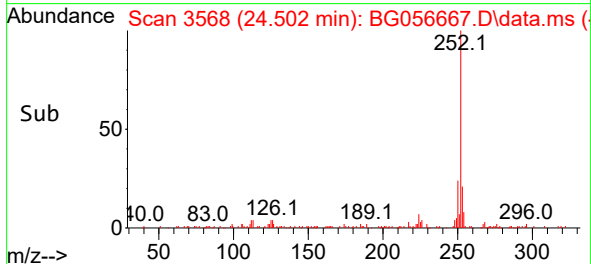
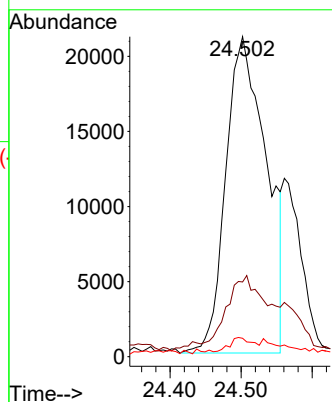
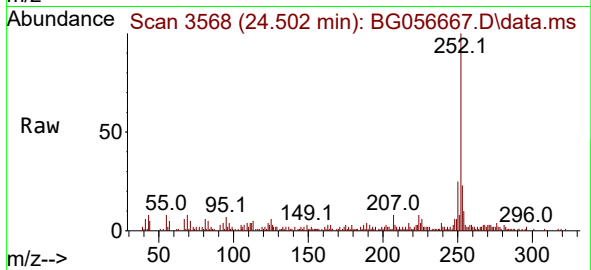
Tgt Ion:252 Resp: 83492

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 5.8 3.7 5.5#



#89

Benzo(k)fluoranthene

Concen: 10.925 ng

RT: 24.502 min Scan# 3568

Delta R.T. -0.084 min

Lab File: BG056667.D

Acq: 17 Feb 2023 22:35

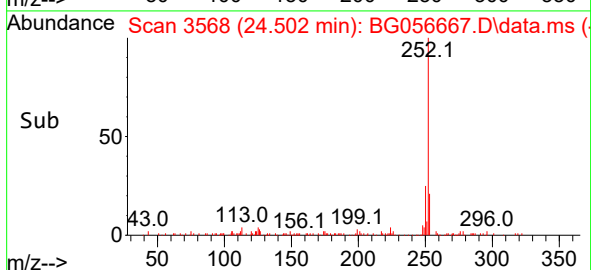
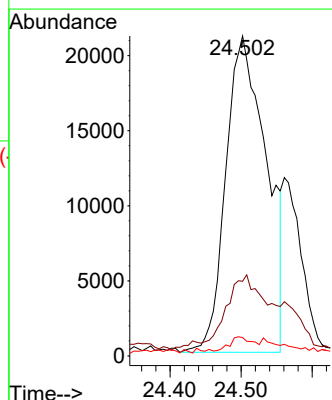
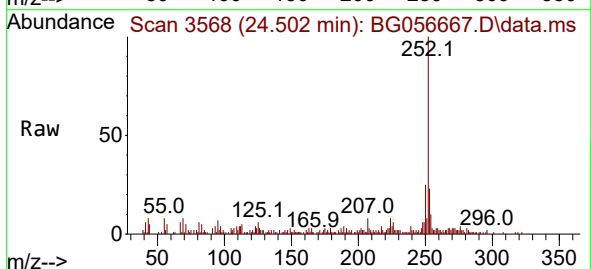
Tgt Ion:252 Resp: 83492

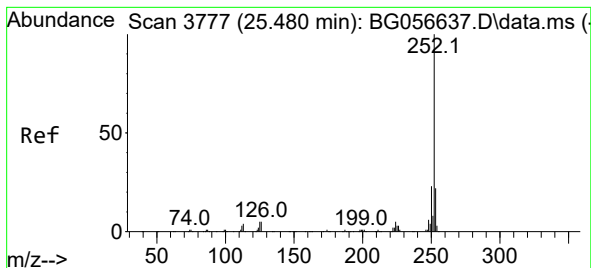
Ion Ratio Lower Upper

252 100

253 23.3 18.5 27.7

125 5.8 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 8.911 ng

RT: 25.466 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG056667.D

Acq: 17 Feb 2023 22:35

Instrument :

BNA_G

ClientSampleId :

WASTE

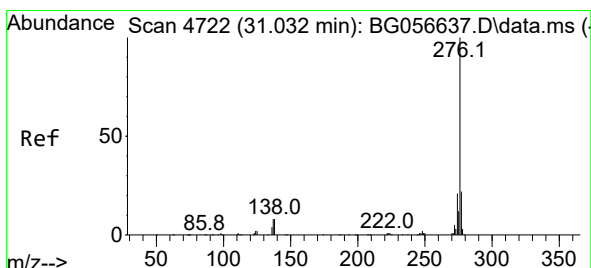
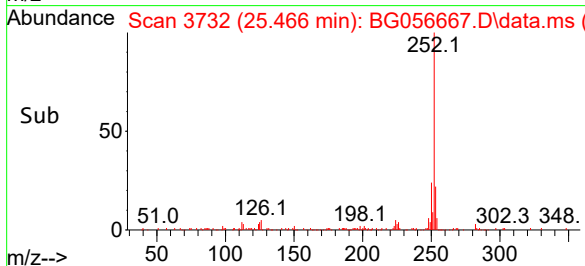
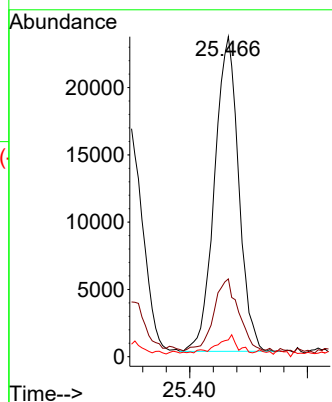
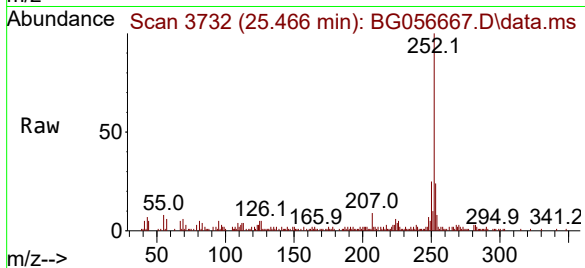
Tgt Ion:252 Resp: 66569

Ion Ratio Lower Upper

252 100

253 24.3 17.9 26.9

125 5.2 4.0 6.0



#92

Benzo(g,h,i)perylene

Concen: 6.317 ng

RT: 31.000 min Scan# 4674

Delta R.T. -0.032 min

Lab File: BG056667.D

Acq: 17 Feb 2023 22:35

Tgt Ion:276 Resp: 47625

Ion Ratio Lower Upper

276 100

277 24.6 17.5 26.3

138 7.8 6.4 9.6

