

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
 Data File : BG055755.D
 Acq On : 23 Nov 2022 1:29
 Operator : CG/JU
 Sample : N5751-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE

Quant Time: Nov 23 02:52:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 01:35:20 2022
 Response via : Initial Calibration

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

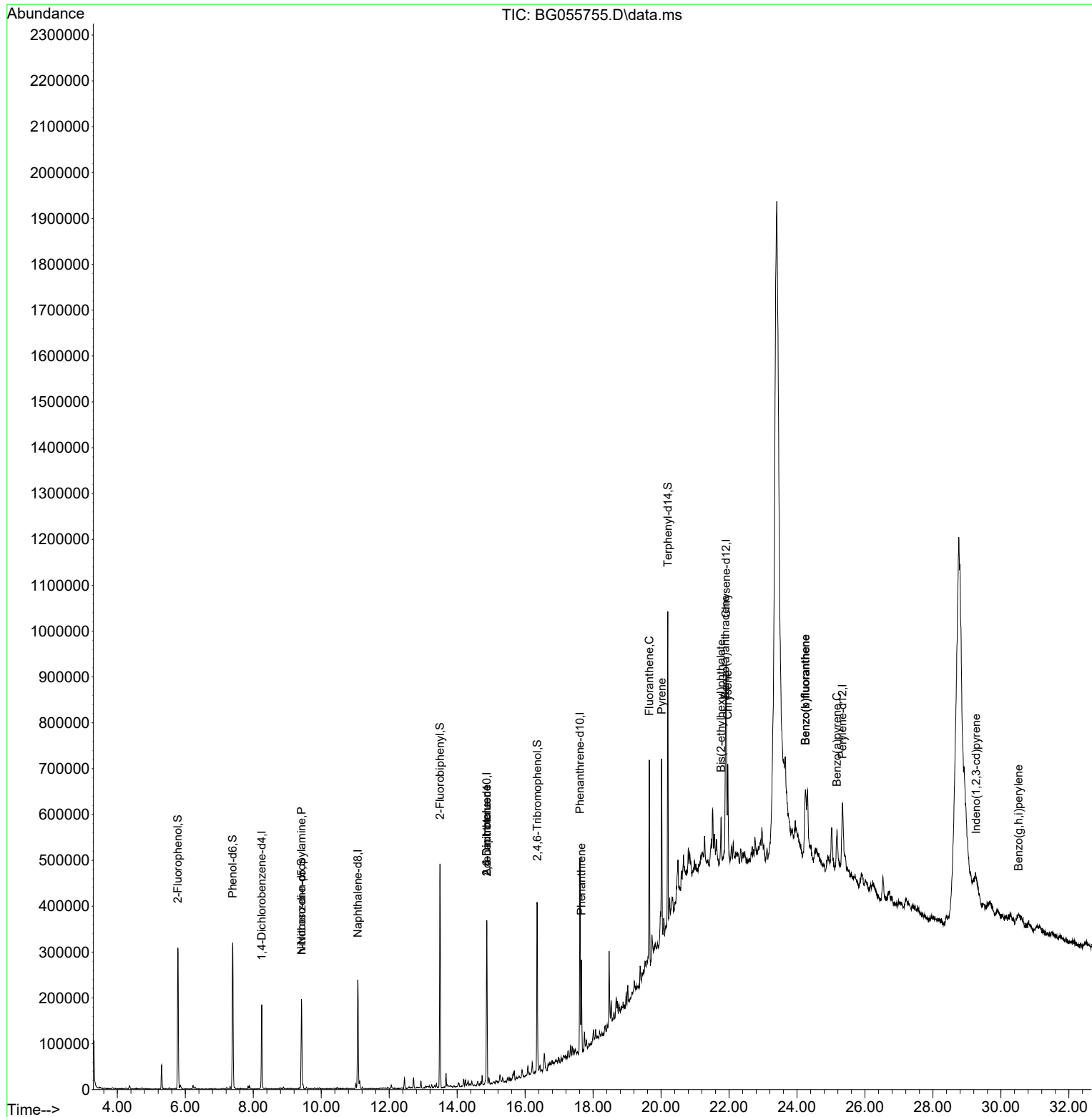
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.247	152	52966	20.000	ng	0.00
21) Naphthalene-d8	11.079	136	207983	20.000	ng	0.00
39) Acenaphthene-d10	14.869	164	130709	20.000	ng	0.00
64) Phenanthrene-d10	17.613	188	263214	20.000	ng	0.00
76) Chrysene-d12	21.914	240	244580	20.000	ng	0.00
86) Perylene-d12	25.339	264	206580	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.780	112	137749	47.008	ng	0.00
7) Phenol-d6	7.395	99	176246	45.183	ng	0.00
23) Nitrobenzene-d5	9.417	82	110764	28.148	ng	0.00
42) 2,4,6-Tribromophenol	16.356	330	79967	43.447	ng	0.00
45) 2-Fluorobiphenyl	13.494	172	260909	29.904	ng	0.00
79) Terphenyl-d14	20.198	244	343630	28.101	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.417	70	15479	5.165	ng	# 80
51) 2,6-Dinitrotoluene	14.869	165	17899	8.401	ng	# 26
57) 2,4-Dinitrotoluene	14.869	165	17899	5.959	ng	# 24
71) Phenanthrene	17.654	178	123687	8.708	ng	98
75) Fluoranthene	19.652	202	284833	16.483	ng	99
78) Pyrene	20.016	202	252197	15.234	ng	99
81) Benzo(a)anthracene	21.890	228	149452	8.872	ng	99
83) Chrysene	21.961	228	165711	10.333	ng	97
84) Bis(2-ethylhexyl)phtha...	21.767	149	40162	4.312	ng	# 97
87) Indeno(1,2,3-cd)pyrene	29.270	276	62481	3.692	ng	# 91
88) Benzo(b)fluoranthene	24.246	252	218201	16.219	ng	# 93
89) Benzo(k)fluoranthene	24.246	252	218201	16.271	ng	# 92
90) Benzo(a)pyrene	25.175	252	126217	10.933	ng	# 88
92) Benzo(g,h,i)perylene	30.515	276	56005	4.018	ng	# 86

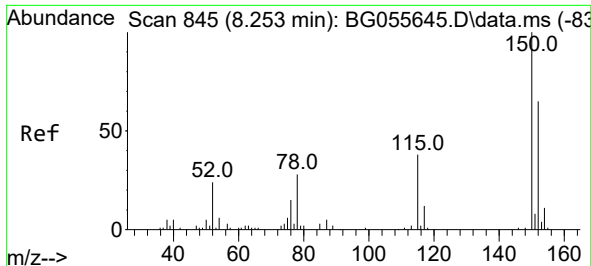
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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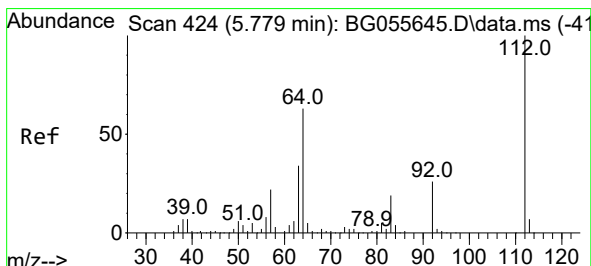
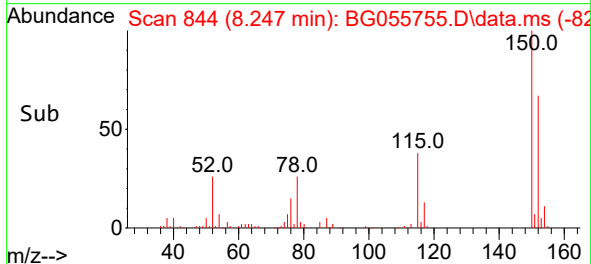
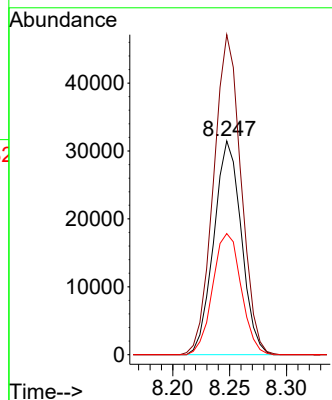
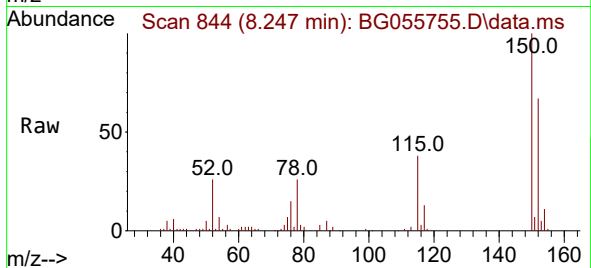




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.247 min Scan# 844
Delta R.T. 0.001 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

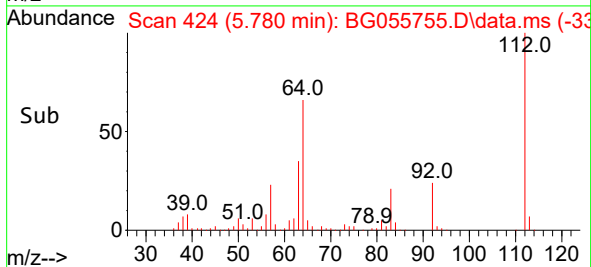
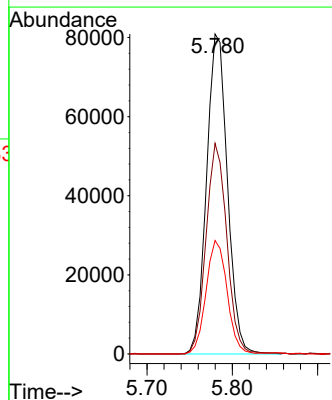
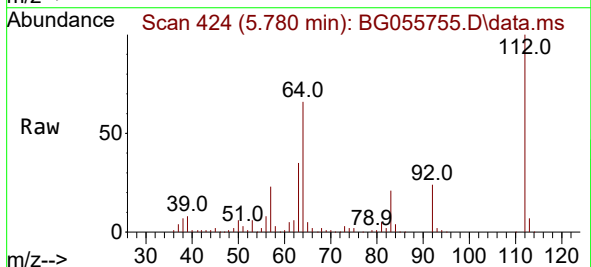
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

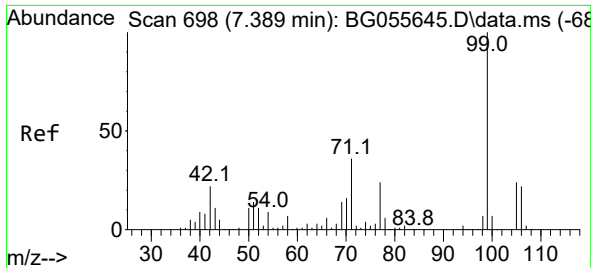
Tgt Ion:152 Resp: 52966
Ion Ratio Lower Upper
152 100
150 149.7 123.0 184.6
115 56.7 47.0 70.4



#5
2-Fluorophenol
Concen: 47.008 ng
RT: 5.780 min Scan# 424
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Tgt Ion:112 Resp: 137749
Ion Ratio Lower Upper
112 100
64 65.8 50.6 76.0
63 35.4 27.5 41.3

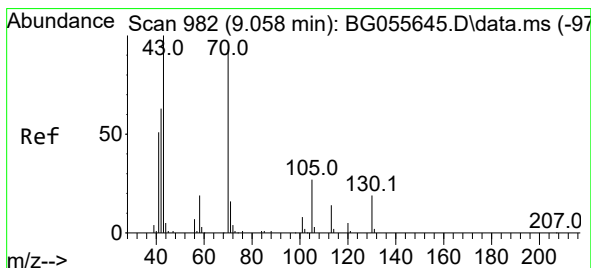
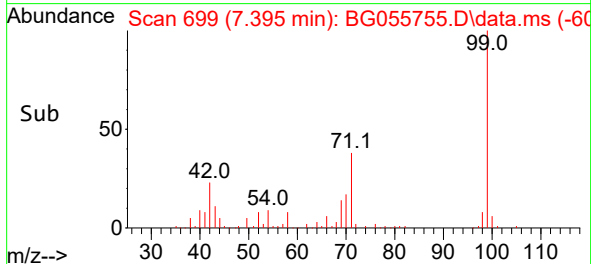
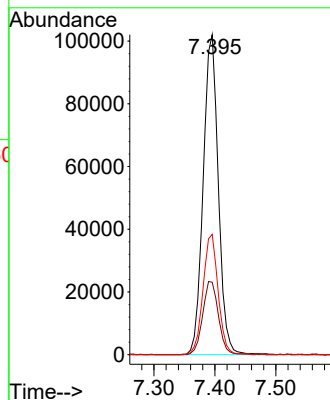
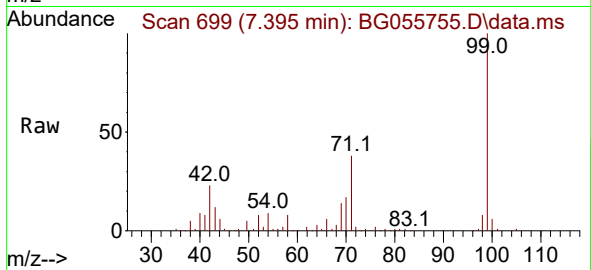




#7
Phenol-d6
Concen: 45.183 ng
RT: 7.395 min Scan# 61
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

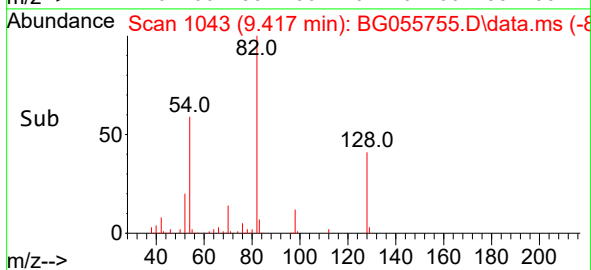
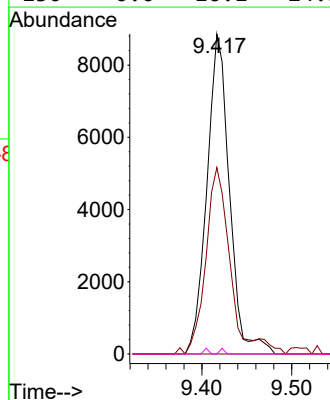
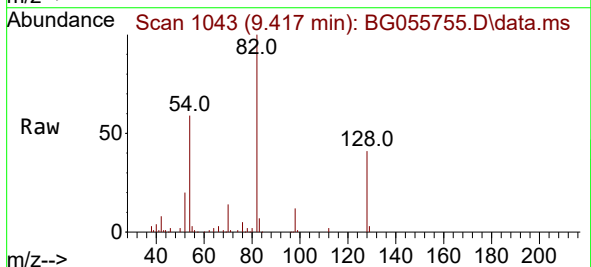
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

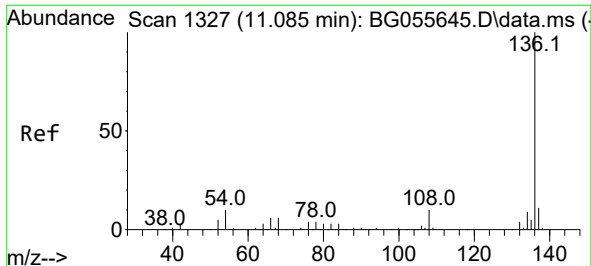
Tgt Ion: 99 Resp: 176246
Ion Ratio Lower Upper
99 100
42 22.7 18.0 27.0
71 37.6 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 5.165 ng
RT: 9.417 min Scan# 1043
Delta R.T. 0.372 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Tgt Ion: 70 Resp: 15479
Ion Ratio Lower Upper
70 100
42 58.3 55.2 82.8
101 0.0 7.1 10.7#
130 0.0 16.1 24.1#

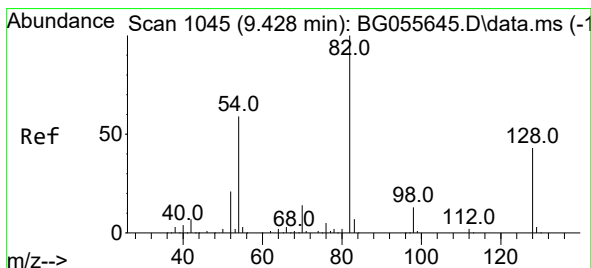
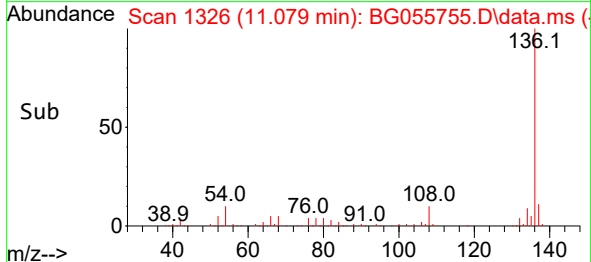
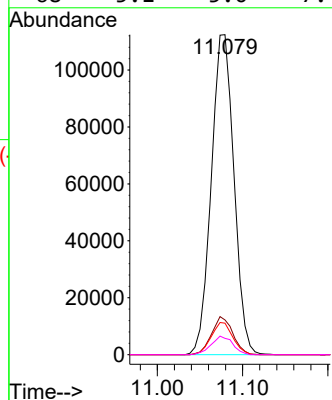
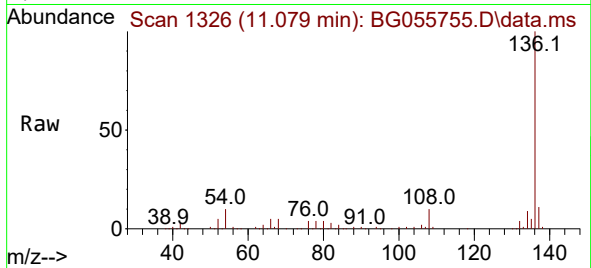




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.079 min Scan# 11
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

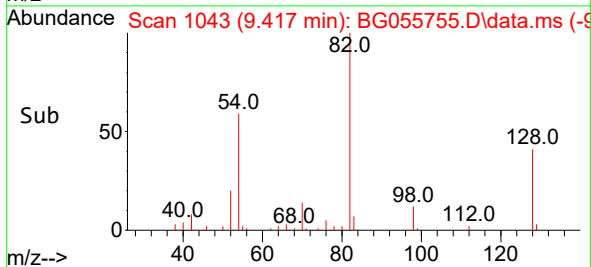
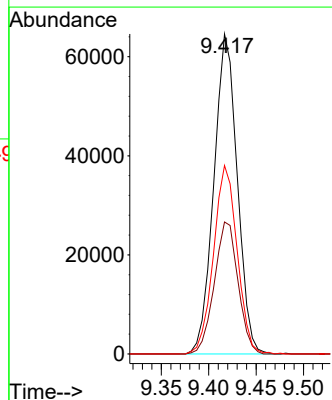
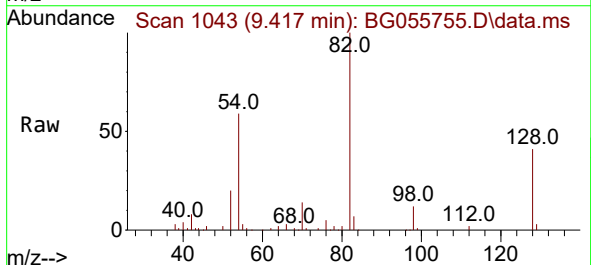
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

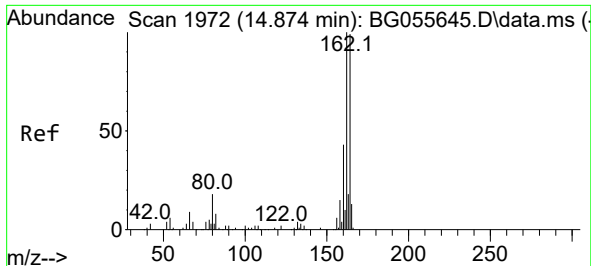
Tgt Ion:	136	Resp:	207983
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	9.9	7.8	11.6
68	5.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 28.148 ng
RT: 9.417 min Scan# 1043
Delta R.T. 0.002 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Tgt Ion:	82	Resp:	110764
Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.1	51.1
54	58.9	47.3	70.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.869 min Scan# 1972

Delta R.T. 0.002 min

Lab File: BG055755.D

Acq: 23 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

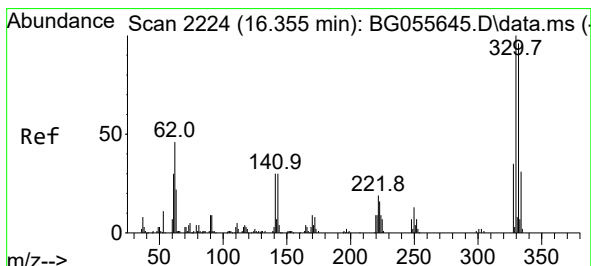
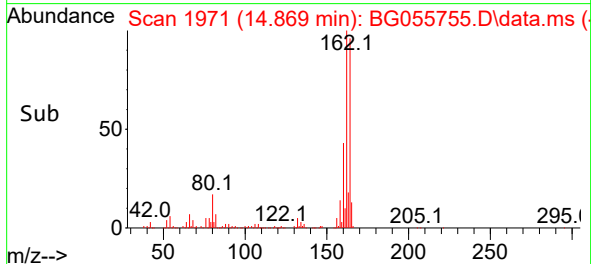
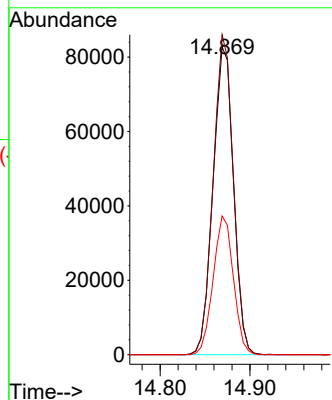
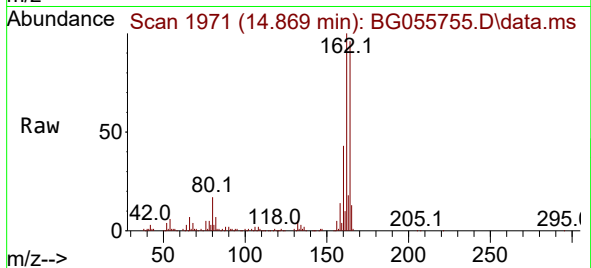
Tgt Ion:164 Resp: 130709

Ion Ratio Lower Upper

164 100

162 103.9 81.1 121.7

160 45.1 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 43.447 ng

RT: 16.356 min Scan# 2224

Delta R.T. 0.007 min

Lab File: BG055755.D

Acq: 23 Nov 2022 1:29

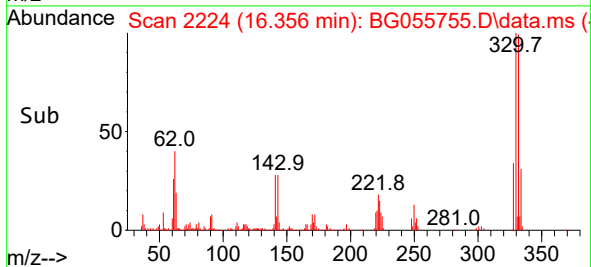
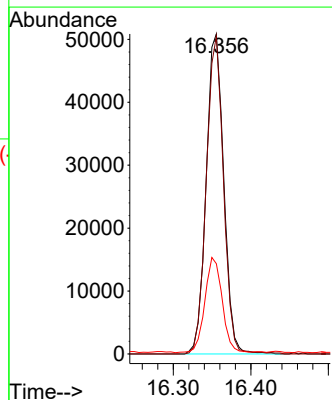
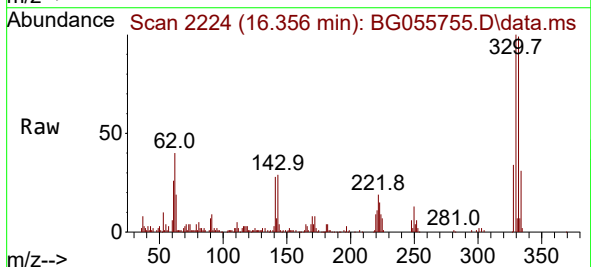
Tgt Ion:330 Resp: 79967

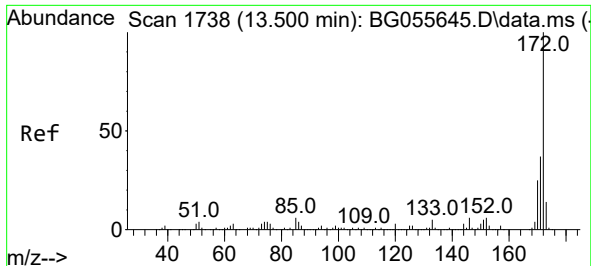
Ion Ratio Lower Upper

330 100

332 96.8 77.8 116.8

141 29.5 23.9 35.9

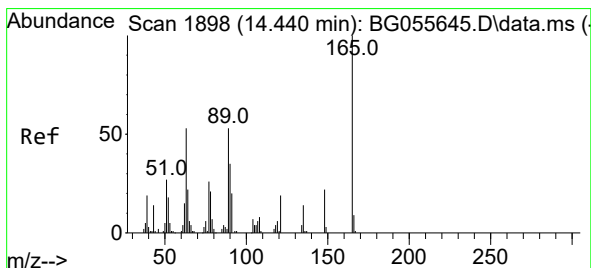
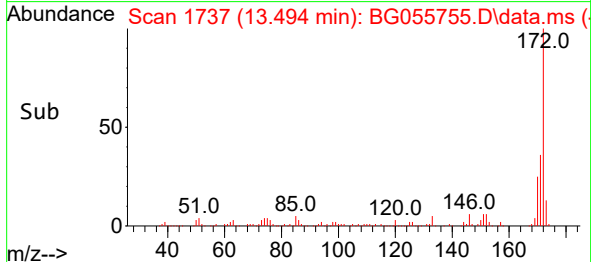
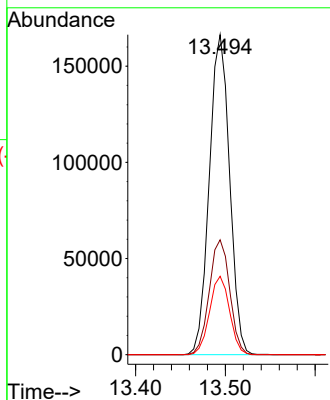
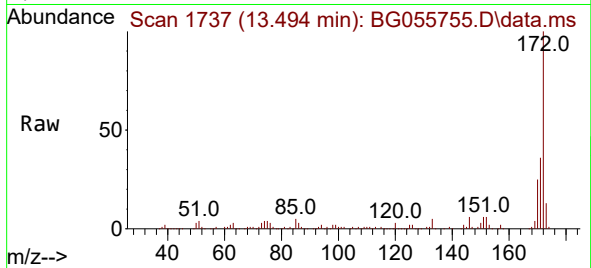




#45
2-Fluorobiphenyl
Concen: 29.904 ng
RT: 13.494 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

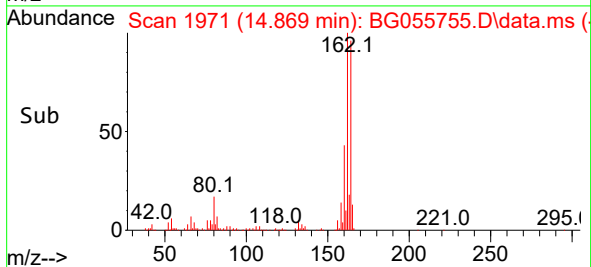
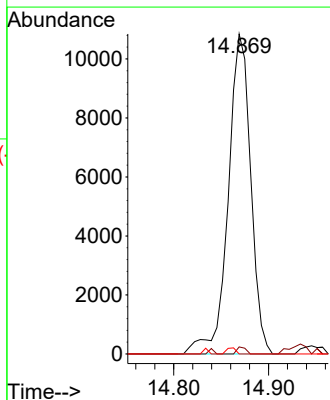
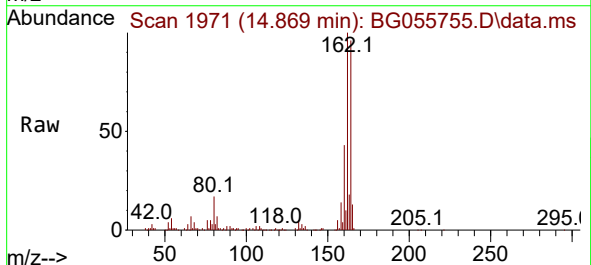
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ClientSampleId :
STOCK-PILE

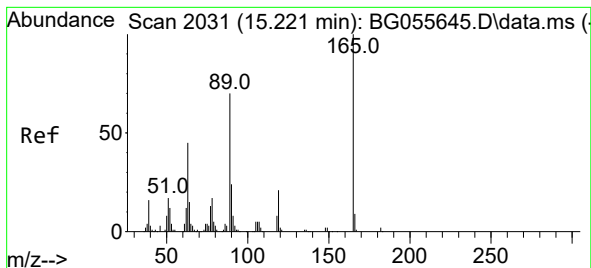
Tgt Ion:172 Resp: 260909
Ion Ratio Lower Upper
172 100
171 35.9 29.8 44.6
170 24.5 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.401 ng
RT: 14.869 min Scan# 1971
Delta R.T. 0.436 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

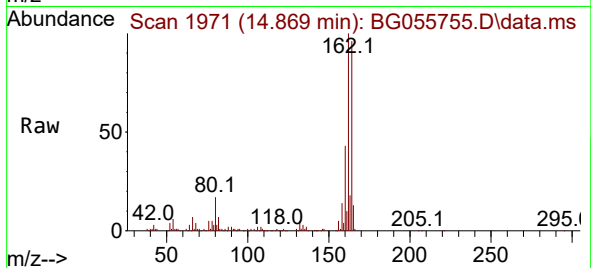
Tgt Ion:165 Resp: 17899
Ion Ratio Lower Upper
165 100
63 2.2 44.6 66.8#
89 0.0 42.2 63.4#



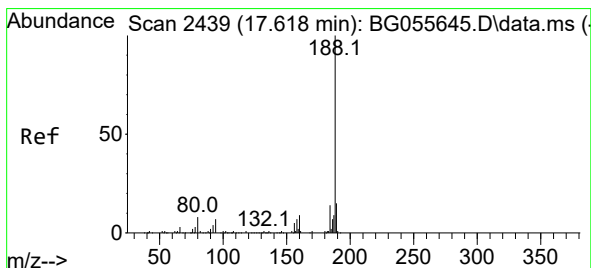
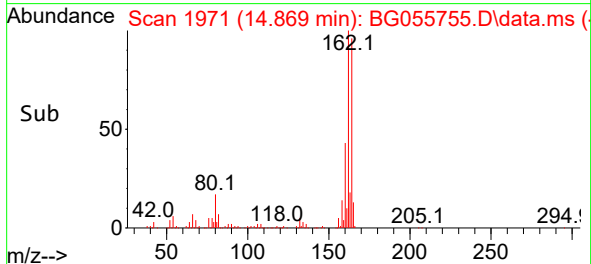
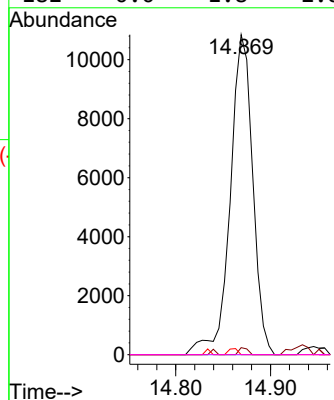


#57
2,4-Dinitrotoluene
Concen: 5.959 ng
RT: 14.869 min Scan# 1971
Delta R.T. -0.351 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

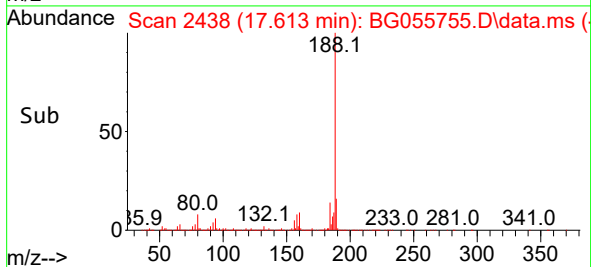
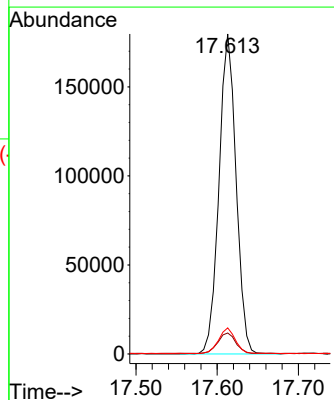
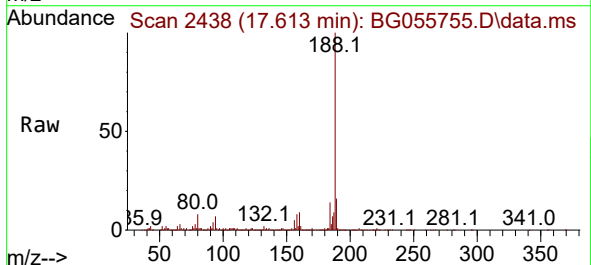


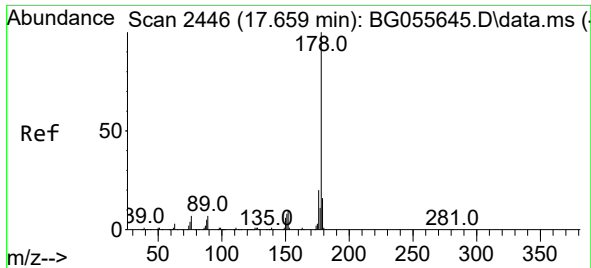
Tgt Ion:165 Resp: 17899
Ion Ratio Lower Upper
165 100
63 2.2 35.8 53.8#
89 0.0 56.2 84.4#
182 0.0 1.8 2.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.613 min Scan# 2438
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Tgt Ion:188 Resp: 263214
Ion Ratio Lower Upper
188 100
94 6.6 5.4 8.2
80 8.2 6.6 10.0

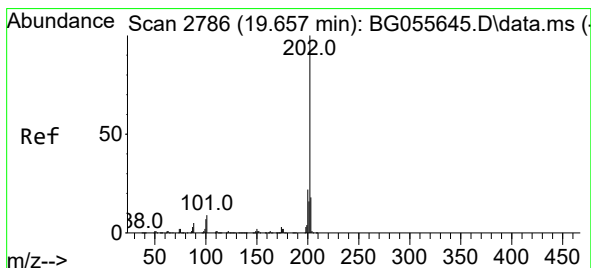
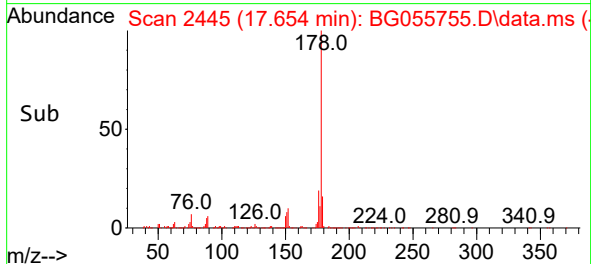
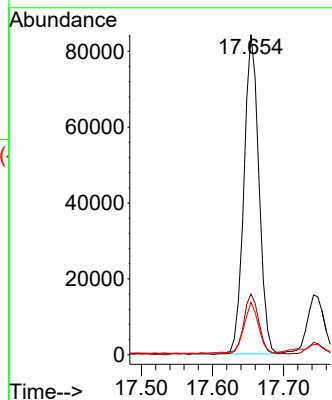
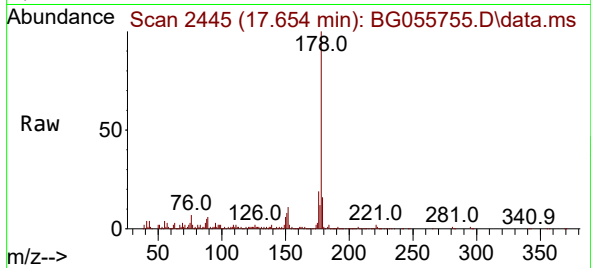




#71
Phenanthrene
Concen: 8.708 ng
RT: 17.654 min Scan# 2445
Delta R.T. 0.002 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

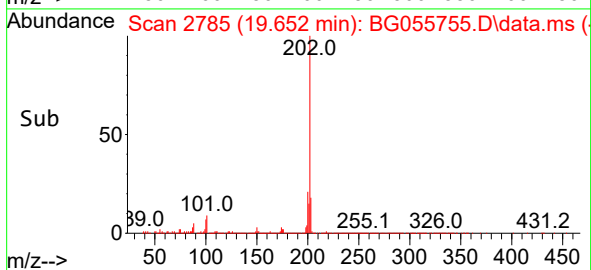
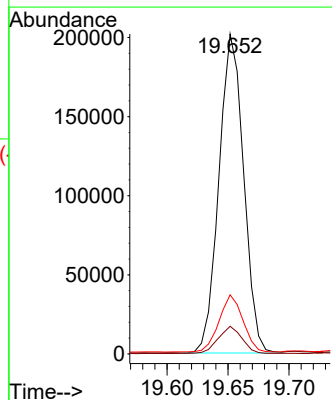
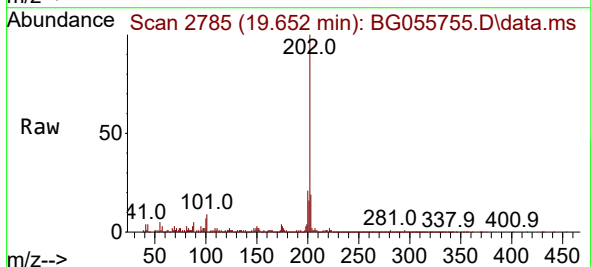
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

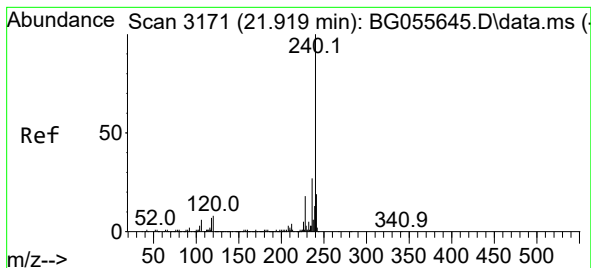
Tgt Ion:178 Resp: 123687
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 16.4 12.7 19.1



#75
Fluoranthene
Concen: 16.483 ng
RT: 19.652 min Scan# 2785
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Tgt Ion:202 Resp: 284833
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.8
203 18.5 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.914 min Scan# 3171

Delta R.T. 0.007 min

Lab File: BG055755.D

Acq: 23 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

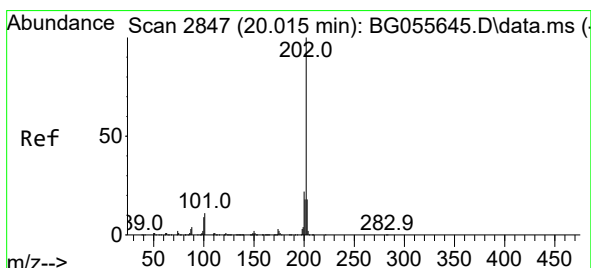
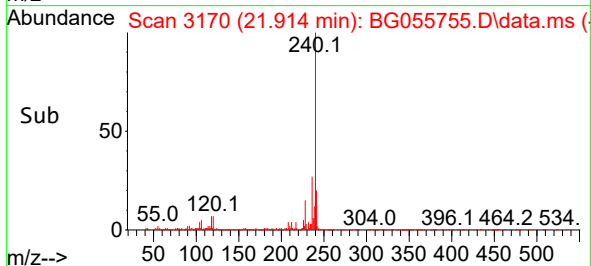
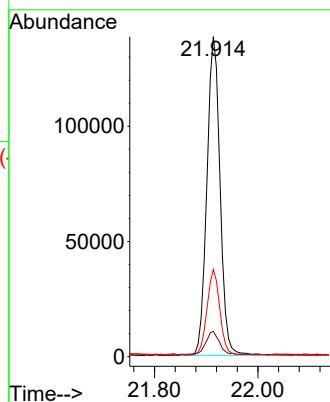
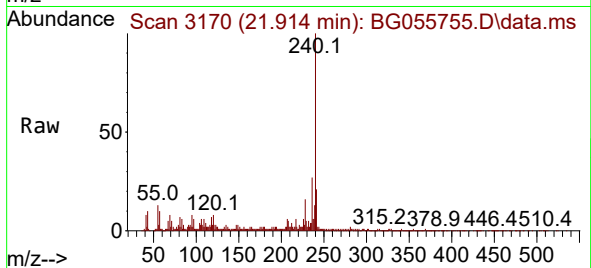
Tgt Ion:240 Resp: 244580

Ion Ratio Lower Upper

240 100

120 7.9 6.3 9.5

236 27.3 21.9 32.9



#78

Pyrene

Concen: 15.234 ng

RT: 20.016 min Scan# 2847

Delta R.T. 0.007 min

Lab File: BG055755.D

Acq: 23 Nov 2022 1:29

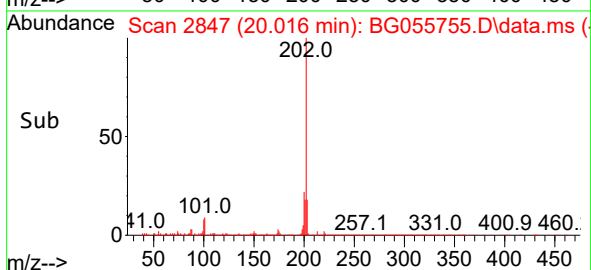
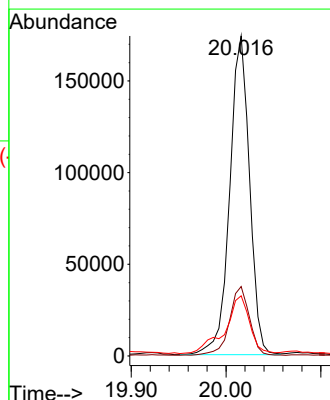
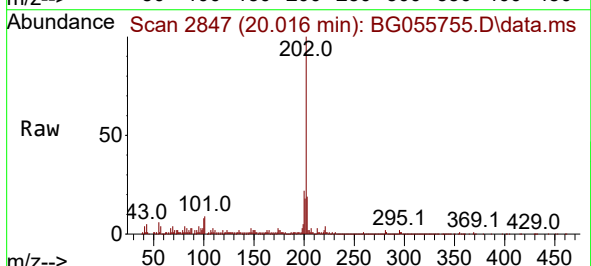
Tgt Ion:202 Resp: 252197

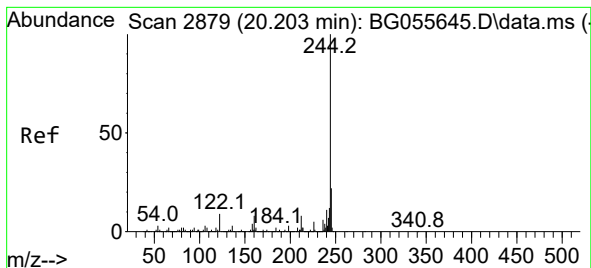
Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.6

203 18.8 14.4 21.6





#79

Terphenyl-d14

Concen: 28.101 ng

RT: 20.198 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG055755.D

Acq: 23 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

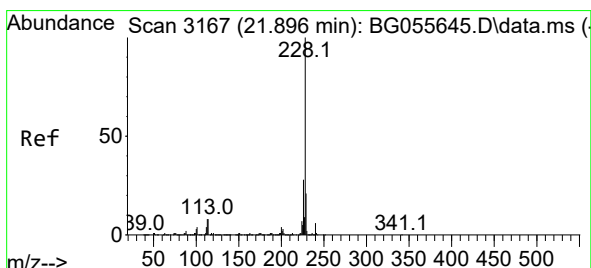
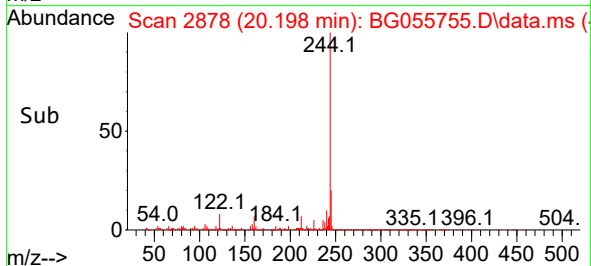
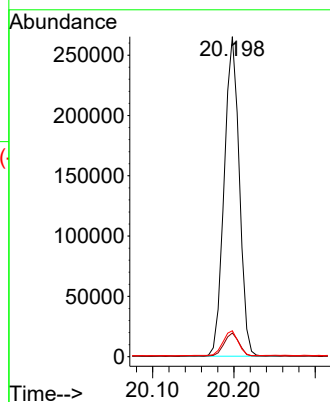
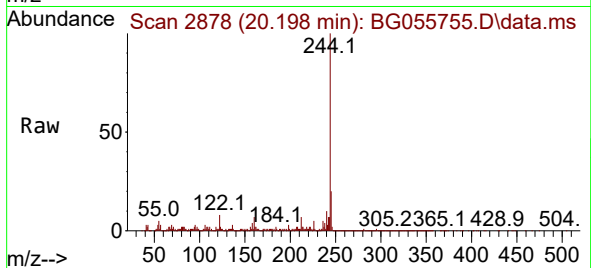
Tgt Ion:244 Resp: 343630

Ion Ratio Lower Upper

244 100

212 7.4 6.3 9.5

122 8.1 6.9 10.3



#81

Benzo(a)anthracene

Concen: 8.872 ng

RT: 21.890 min Scan# 3166

Delta R.T. 0.007 min

Lab File: BG055755.D

Acq: 23 Nov 2022 1:29

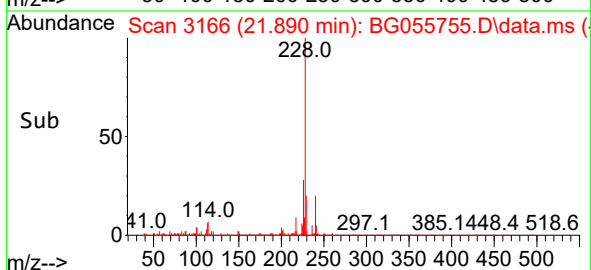
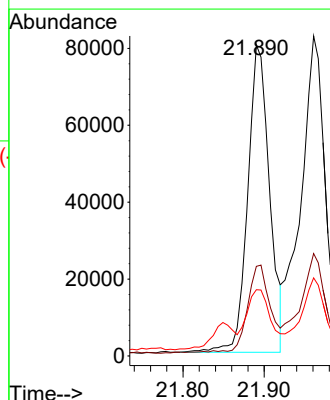
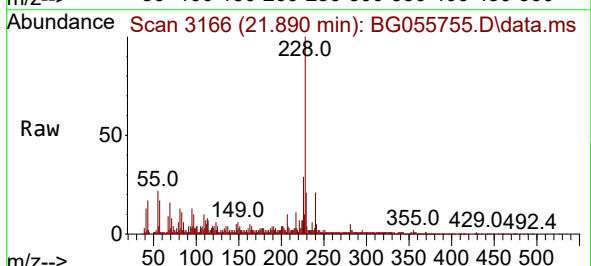
Tgt Ion:228 Resp: 149452

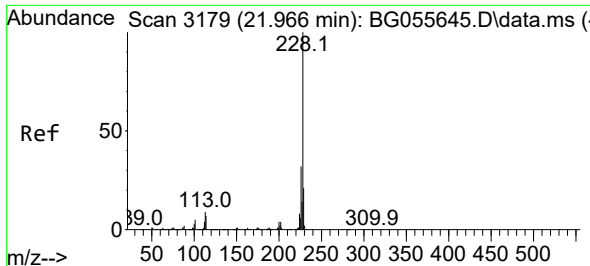
Ion Ratio Lower Upper

228 100

226 28.8 22.7 34.1

229 21.3 16.5 24.7

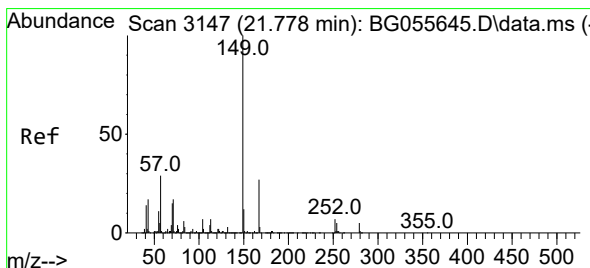
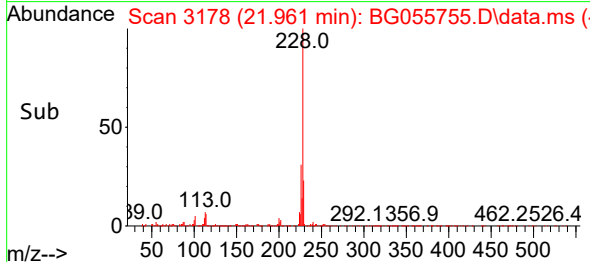
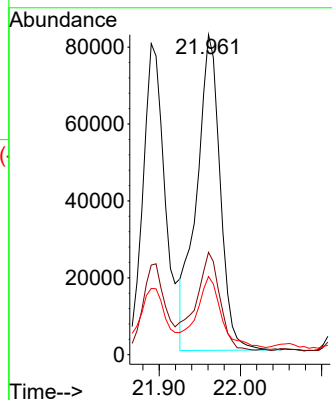
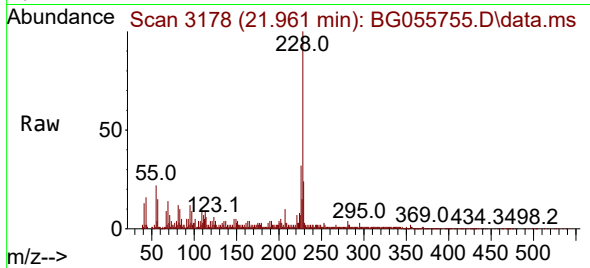




#83
Chrysene
Concen: 10.333 ng
RT: 21.961 min Scan# 3179
Delta R.T. 0.007 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

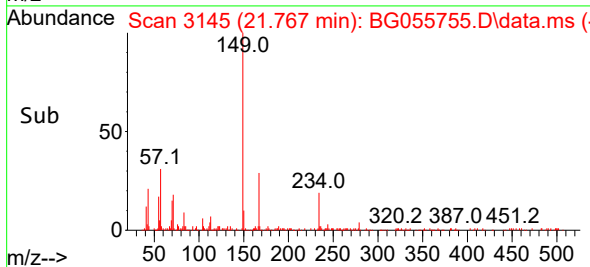
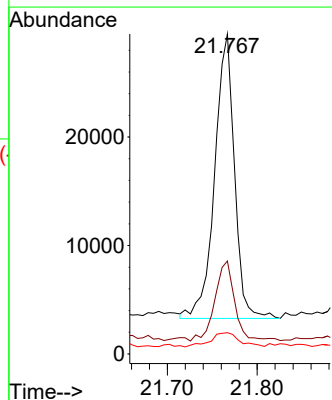
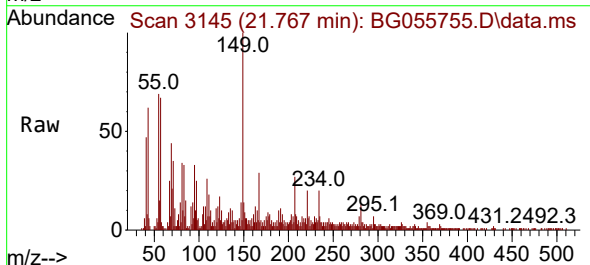
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

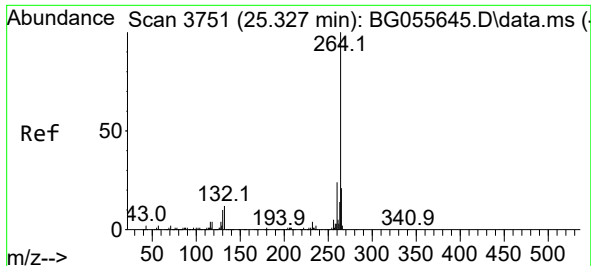
Tgt Ion:228 Resp: 165711
Ion Ratio Lower Upper
228 100
226 32.0 25.4 38.2
229 24.4 17.1 25.7



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.312 ng
RT: 21.767 min Scan# 3145
Delta R.T. 0.013 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Tgt Ion:149 Resp: 40162
Ion Ratio Lower Upper
149 100
167 29.0 22.0 33.0
279 6.6 3.7 5.5#

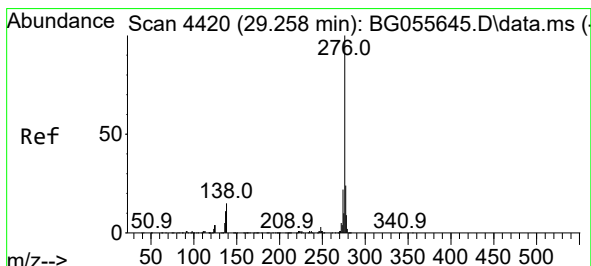
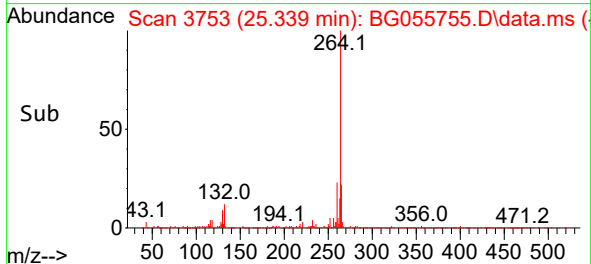
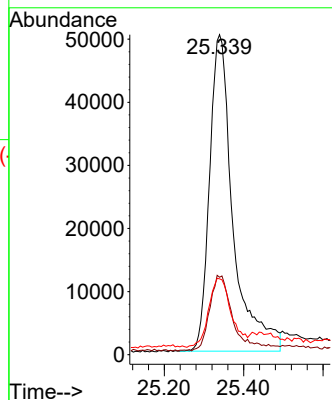
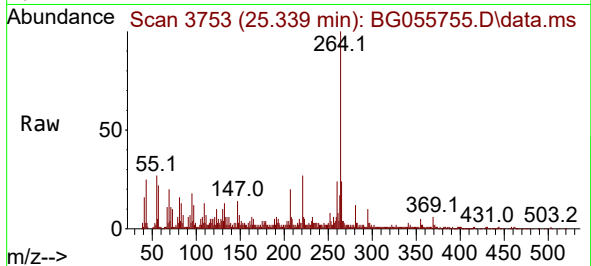




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.339 min Scan# 31
 Delta R.T. 0.037 min
 Lab File: BG055755.D
 Acq: 23 Nov 2022 1:29

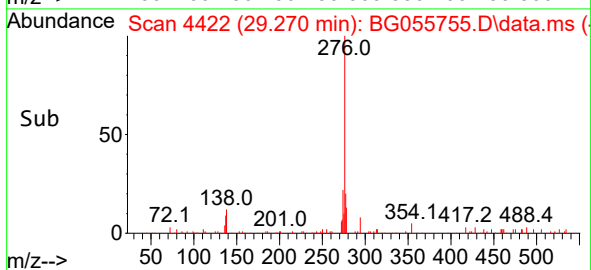
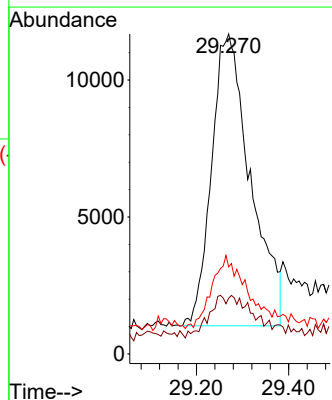
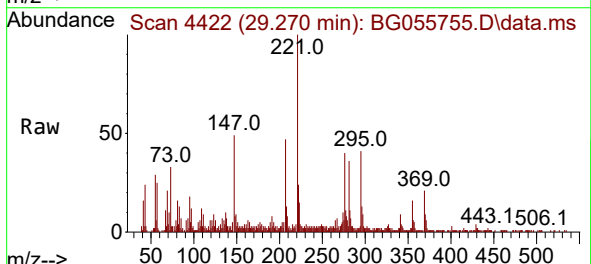
Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE

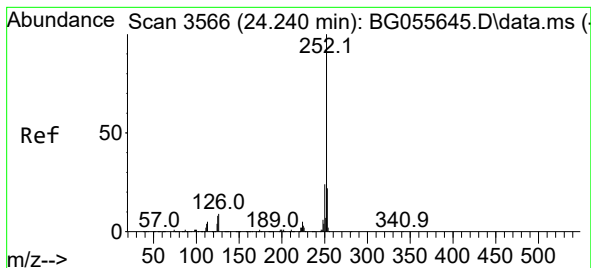
Tgt Ion:264 Resp: 206580
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 23.7 17.1 25.7



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.692 ng
 RT: 29.270 min Scan# 4422
 Delta R.T. 0.037 min
 Lab File: BG055755.D
 Acq: 23 Nov 2022 1:29

Tgt Ion:276 Resp: 62481
 Ion Ratio Lower Upper
 276 100
 138 6.6 10.4 15.6#
 277 22.4 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 16.219 ng

RT: 24.246 min Scan# 3567

Delta R.T. 0.025 min

Lab File: BG055755.D

Acq: 23 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

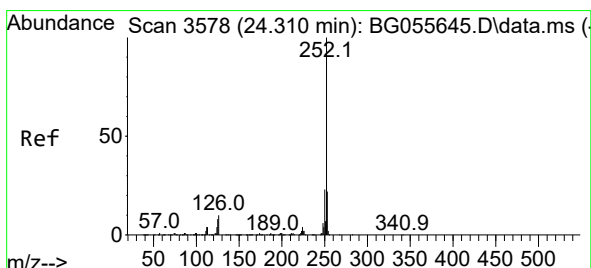
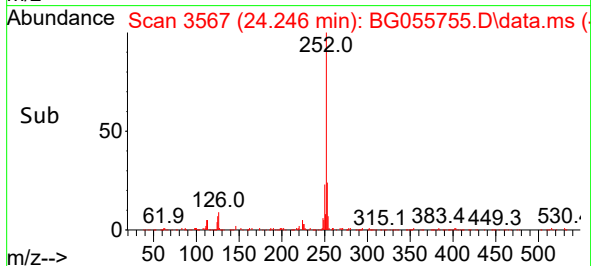
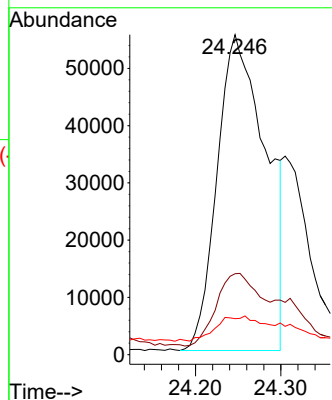
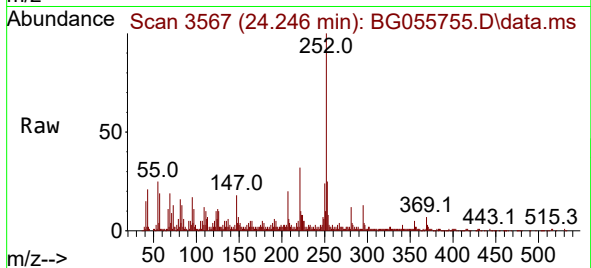
Tgt Ion:252 Resp: 218201

Ion Ratio Lower Upper

252 100

253 25.3 18.0 27.0

125 11.3 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 16.271 ng

RT: 24.246 min Scan# 3567

Delta R.T. -0.045 min

Lab File: BG055755.D

Acq: 23 Nov 2022 1:29

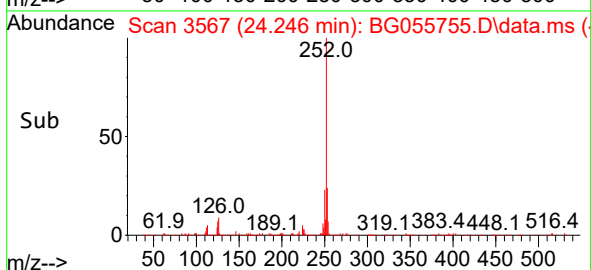
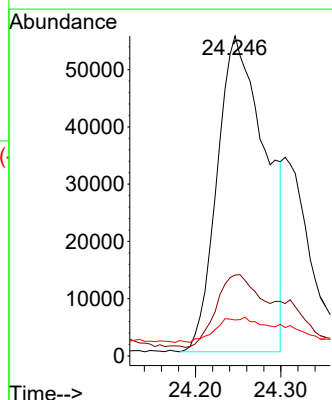
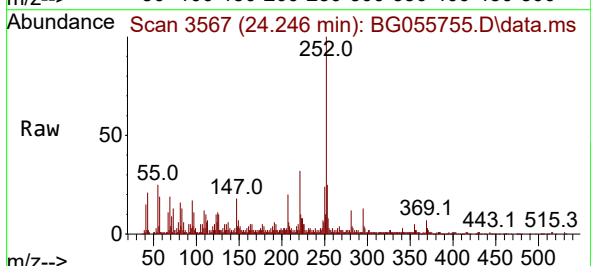
Tgt Ion:252 Resp: 218201

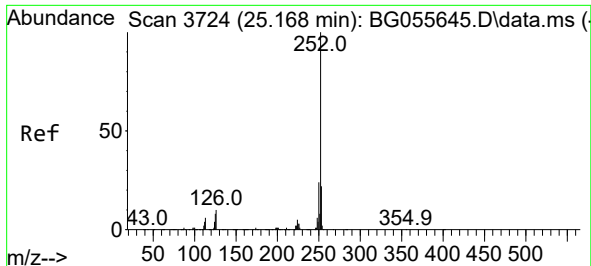
Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

125 11.3 6.1 9.1#

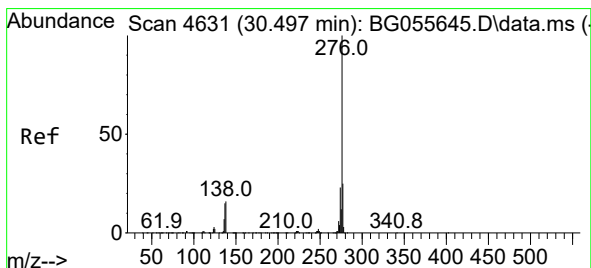
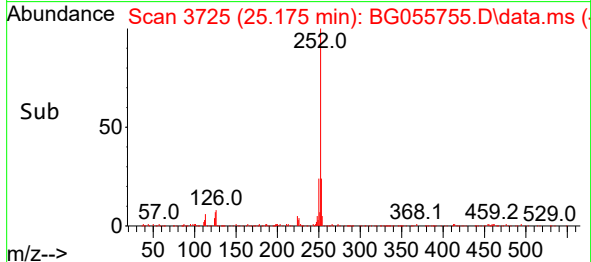
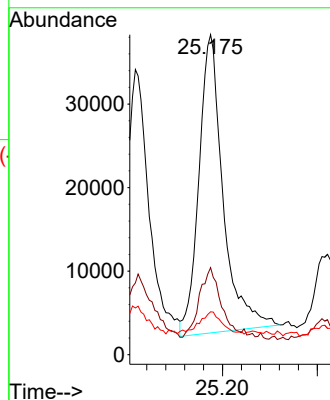
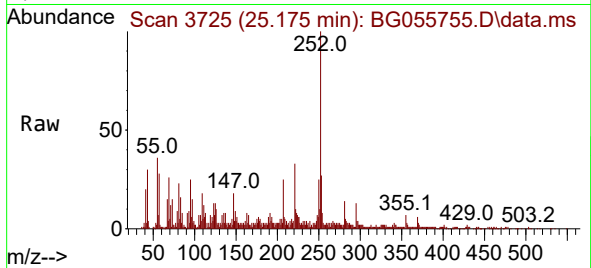




#90
Benzo(a)pyrene
Concen: 10.933 ng
RT: 25.175 min Scan# 31
Delta R.T. 0.025 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

Tgt Ion:252 Resp: 126217
Ion Ratio Lower Upper
252 100
253 27.2 17.8 26.6#
125 13.4 6.4 9.6#



#92
Benzo(g,h,i)perylene
Concen: 4.018 ng
RT: 30.515 min Scan# 4634
Delta R.T. 0.054 min
Lab File: BG055755.D
Acq: 23 Nov 2022 1:29

Tgt Ion:276 Resp: 56005
Ion Ratio Lower Upper
276 100
277 33.5 19.8 29.6#
138 19.8 13.1 19.7#

