

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042623\
 Data File : BG057190.D
 Acq On : 26 Apr 2023 13:21
 Operator : CG/JU
 Sample : 02386-15DL2 50X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SPA-4WC-23-04DL2

Quant Time: Apr 27 03:05:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 03:02:41 2023
 Response via : Initial Calibration

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

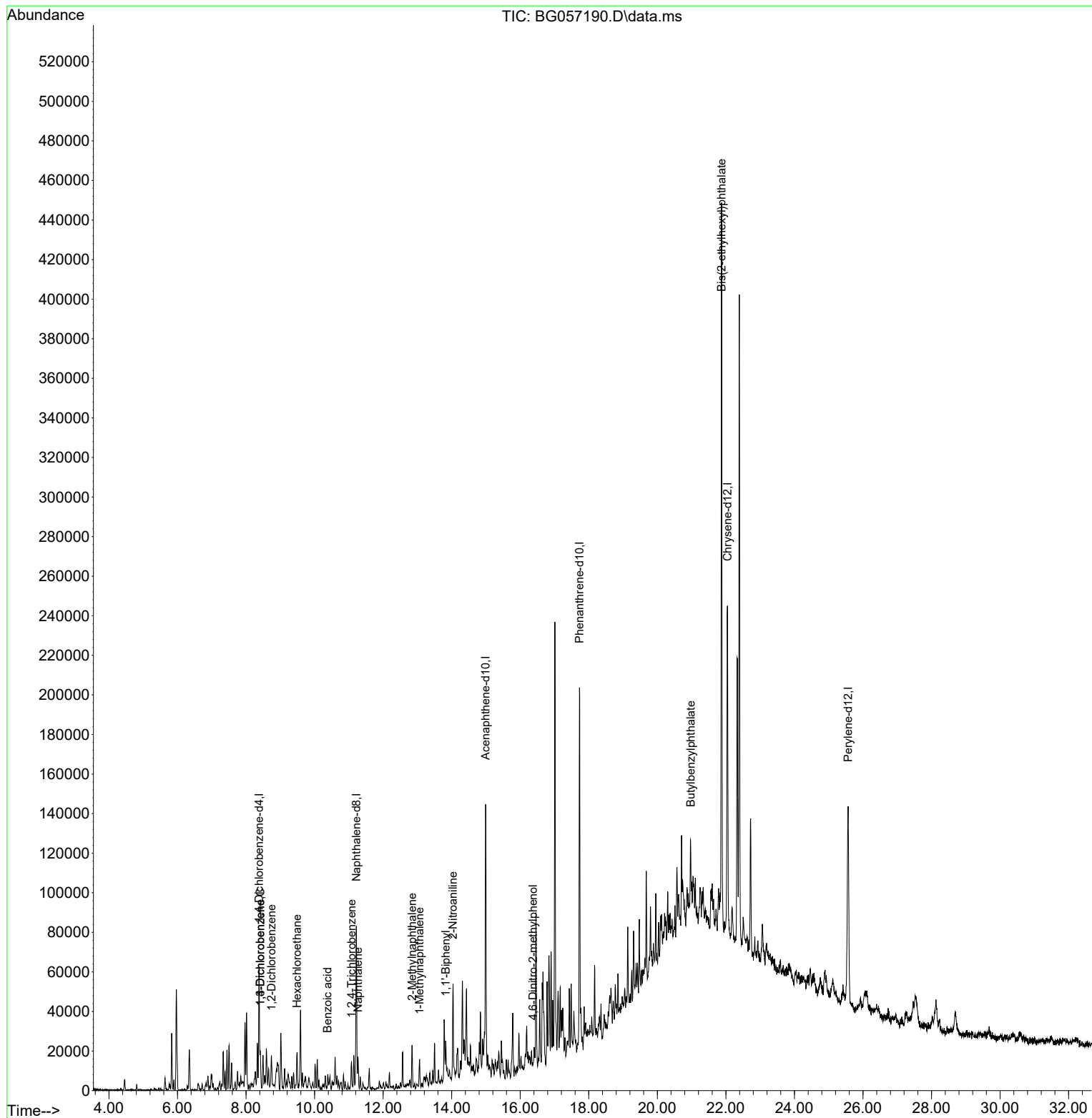
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.381	152	16923	20.000	ng	0.00
21) Naphthalene-d8	11.219	136	67195	20.000	ng	0.00
39) Acenaphthene-d10	14.990	164	48236	20.000	ng	0.00
64) Phenanthrene-d10	17.728	188	114237	20.000	ng	0.00
76) Chrysene-d12	22.045	240	108896	20.000	ng	# 0.00
86) Perylene-d12	25.564	264	115851	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.897	112	1321	1.415	ng	0.00
7) Phenol-d6	7.518	99	2129	1.576	ng	0.00
23) Nitrobenzene-d5	9.550	82	1688	1.242	ng	0.00
42) 2,4,6-Tribromophenol	16.476	330	904	1.420	ng	0.00
45) 2-Fluorobiphenyl	13.616	172	3979	1.109	ng	0.00
79) Terphenyl-d14	20.301	244	6833	1.098	ng	0.00
Target Compounds						Qvalue
12) 1,3-Dichlorobenzene	8.411	146	5382	4.644	ng	94
13) 1,4-Dichlorobenzene	8.411	146	5382	4.608	ng	95
14) 1,2-Dichlorobenzene	8.740	146	6586	5.840	ng	94
18) Hexachloroethane	9.486	117	1172	2.958	ng	# 1
30) 1,2,4-Trichlorobenzene	11.078	180	4473	3.351	ng	97
31) Naphthalene	11.266	128	11612	3.254	ng	# 93
32) Benzoic acid	10.379	122	130	6.383	ng	# 73
37) 2-Methylnaphthalene	12.846	142	10394	3.701	ng	95
38) 1-Methylnaphthalene	13.063	142	5890	2.271	ng	# 95
46) 1,1'-Biphenyl	13.827	154	8479	2.358	ng	96
48) 2-Nitroaniline	14.038	65	2015	7.312	ng	# 4
65) 4,6-Dinitro-2-methylph...	16.371	198	56	4.962	ng	# 1
80) Butylbenzylphthalate	20.976	149	3302	4.814	ng	# 38
84) Bis(2-ethylhexyl)phtha...	21.875	149	162976	53.019	ng	99

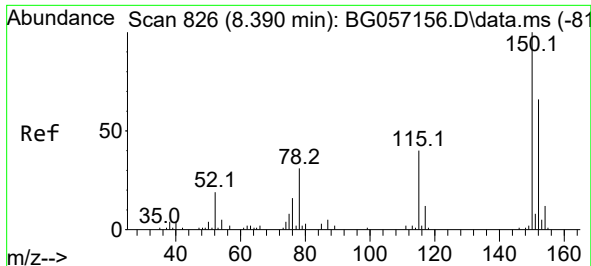
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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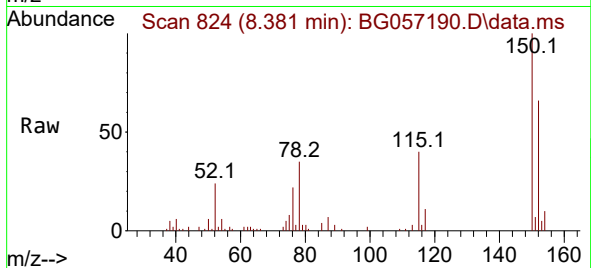
Quant Time: Apr 27 03:05:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
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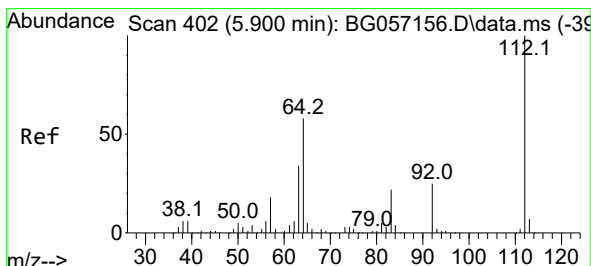
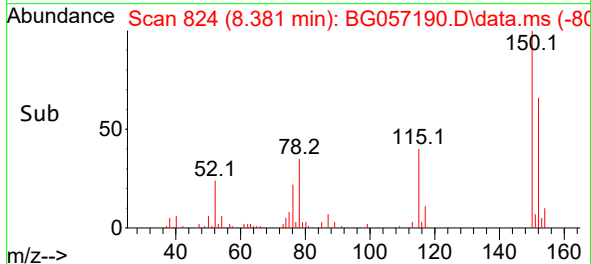
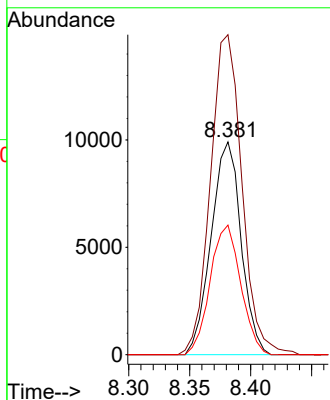


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.381 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

Instrument :
BNA_G
ClientSampleId :
SPA-4WC-23-04DL2

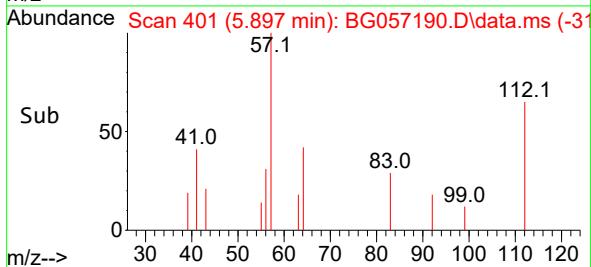
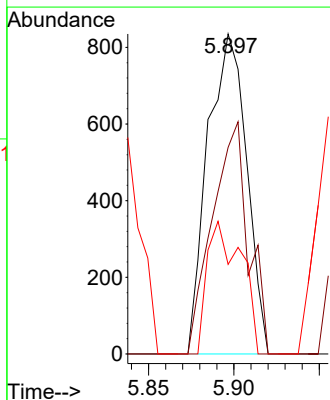
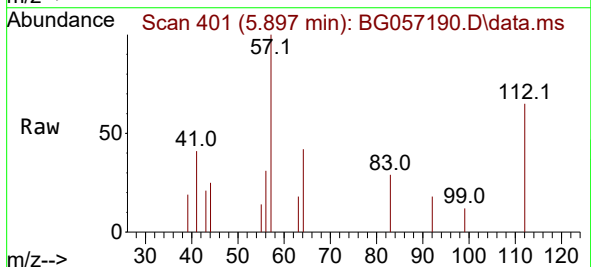


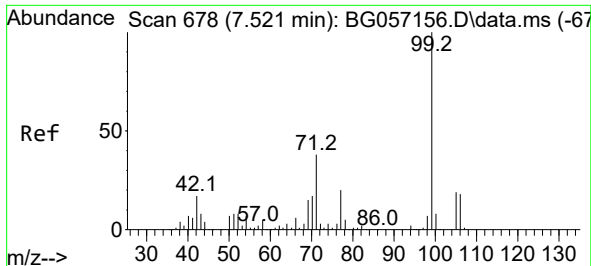
Tgt Ion:152 Resp: 16923
Ion Ratio Lower Upper
152 100
150 150.4 121.4 182.2
115 60.9 48.1 72.1



#5
2-Fluorophenol
Concen: 1.415 ng
RT: 5.897 min Scan# 401
Delta R.T. 0.004 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

Tgt Ion:112 Resp: 1321
Ion Ratio Lower Upper
112 100
64 64.6 46.7 70.1
63 28.0 26.9 40.3

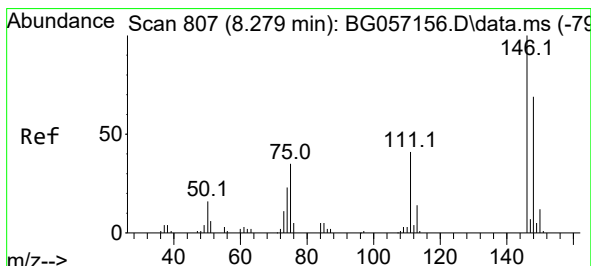
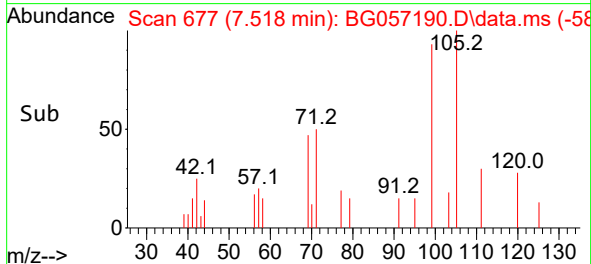
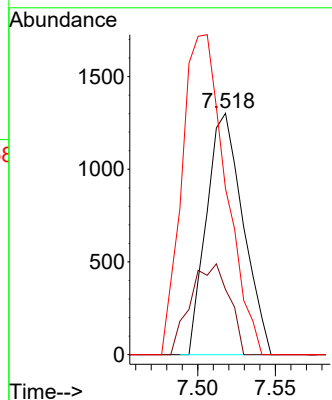
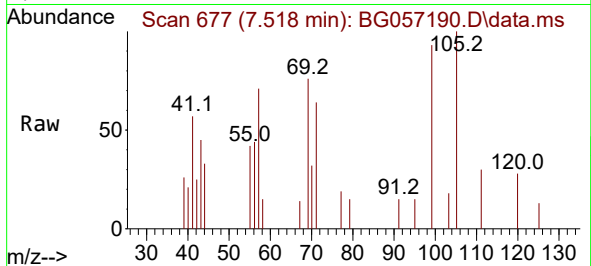




#7
Phenol-d6
Concen: 1.576 ng
RT: 7.518 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

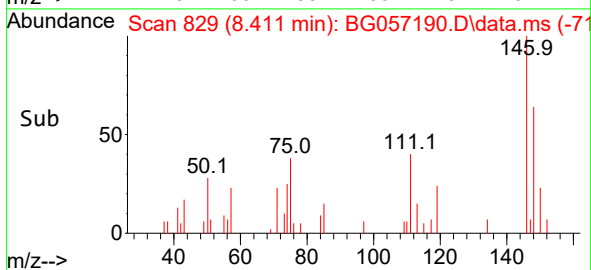
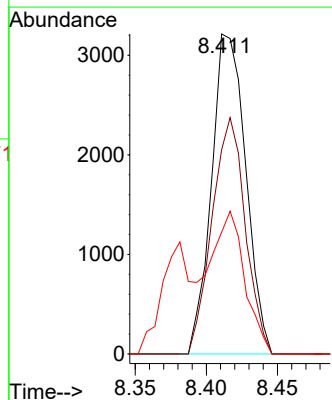
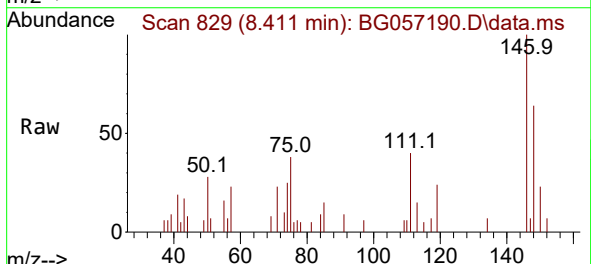
Instrument :
BNA_G
ClientSampleId :
SPA-4WC-23-04DL2

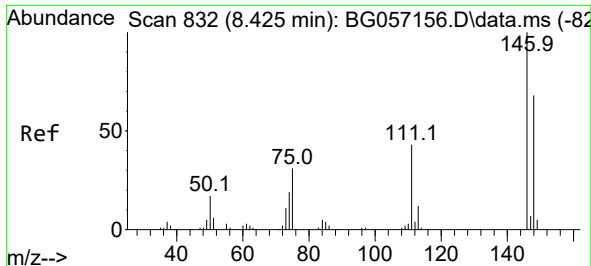
Tgt Ion: 99 Resp: 2129
Ion Ratio Lower Upper
99 100
42 27.0 13.4 20.0#
71 68.8 30.2 45.2#



#12
1,3-Dichlorobenzene
Concen: 4.644 ng
RT: 8.411 min Scan# 829
Delta R.T. 0.139 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

Tgt Ion: 146 Resp: 5382
Ion Ratio Lower Upper
146 100
148 63.8 55.4 83.2
75 38.1 28.2 42.4

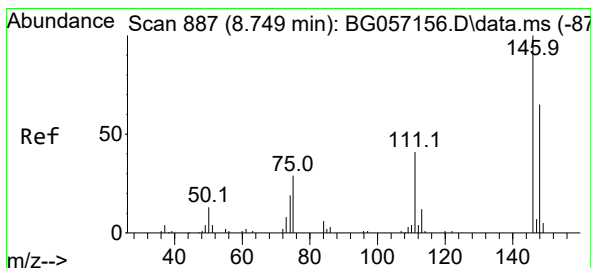
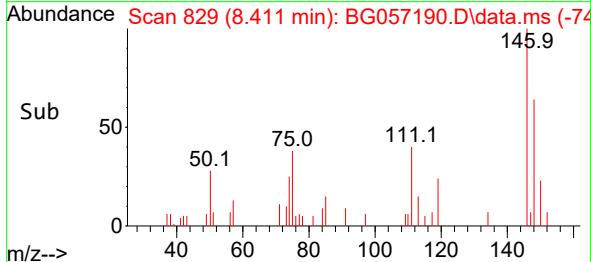
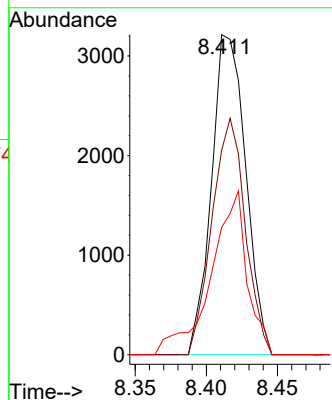
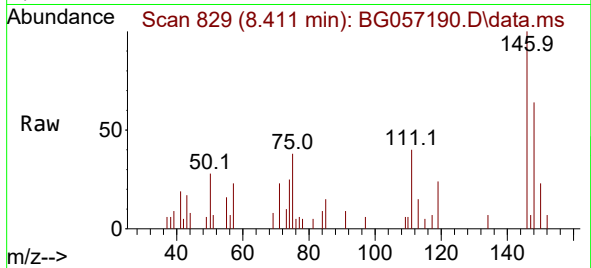




#13
1,4-Dichlorobenzene
Concen: 4.608 ng
RT: 8.411 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

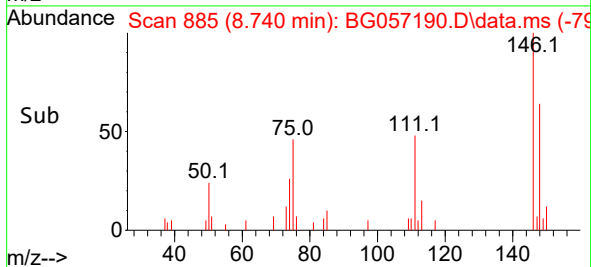
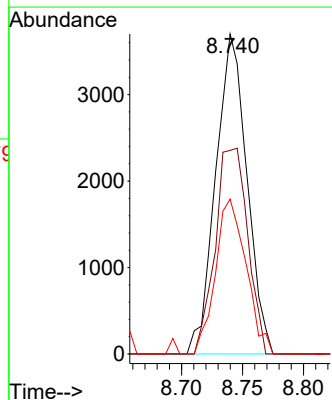
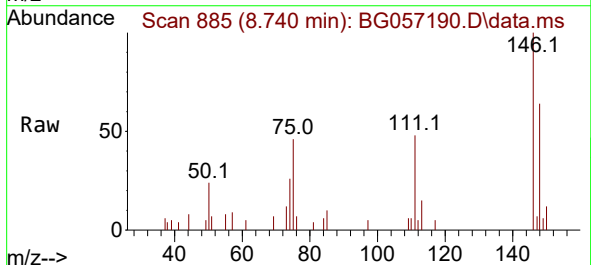
Instrument :
BNA_G
ClientSampleId :
SPA-4WC-23-04DL2

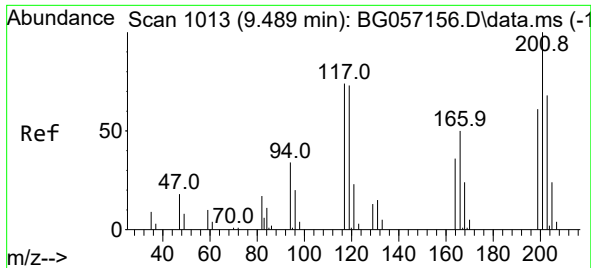
Tgt Ion:146 Resp: 5382
Ion Ratio Lower Upper
146 100
148 63.8 54.3 81.5
111 39.8 34.2 51.4



#14
1,2-Dichlorobenzene
Concen: 5.840 ng
RT: 8.740 min Scan# 885
Delta R.T. -0.002 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

Tgt Ion:146 Resp: 6586
Ion Ratio Lower Upper
146 100
148 63.6 52.3 78.5
111 48.4 33.1 49.7

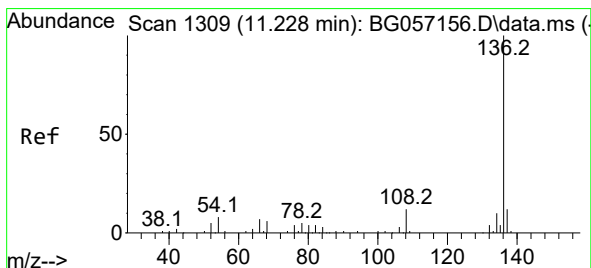
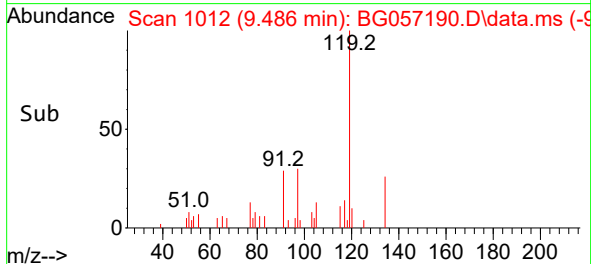
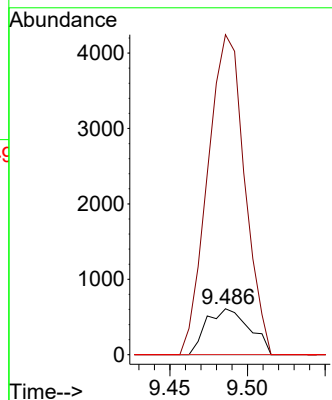
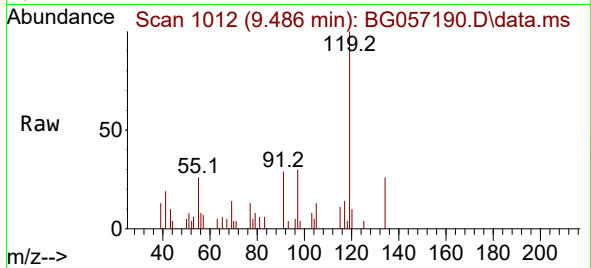




#18
Hexachloroethane
Concen: 2.958 ng
RT: 9.486 min Scan# 1013
Delta R.T. 0.004 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

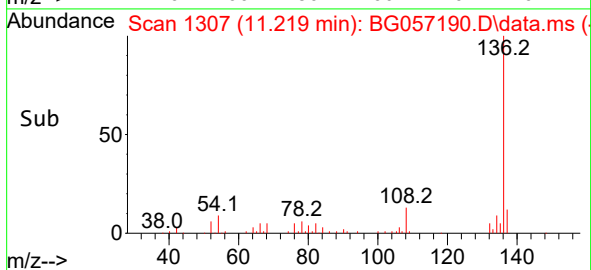
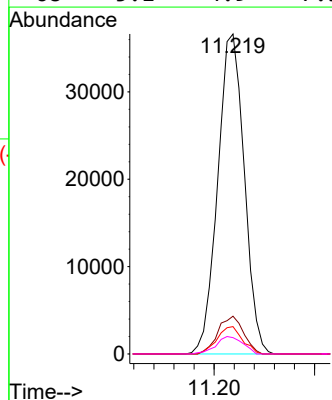
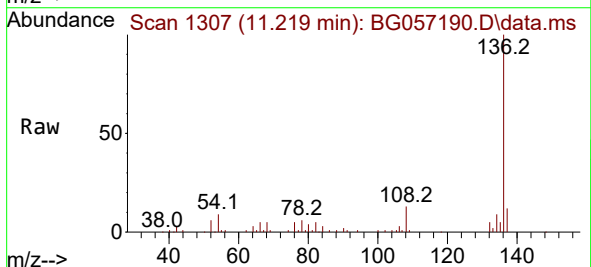
Instrument :
BNA_G
ClientSampleId :
SPA-4WC-23-04DL2

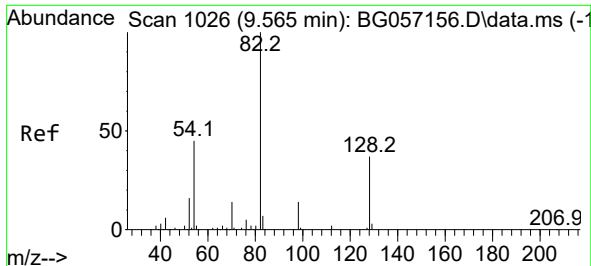
Tgt Ion:117 Resp: 1172
Ion Ratio Lower Upper
117 100
119 695.7 78.3 117.5#
201 0.0 107.6 161.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.219 min Scan# 1307
Delta R.T. -0.002 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

Tgt Ion:136 Resp: 67195
Ion Ratio Lower Upper
136 100
137 11.8 9.5 14.3
54 8.5 6.4 9.6
68 5.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 1.242 ng

RT: 9.550 min Scan# 1026

Delta R.T. -0.008 min

Lab File: BG057190.D

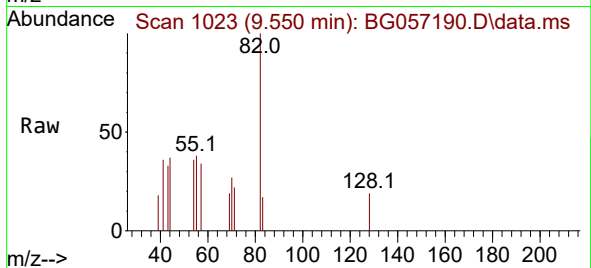
Acq: 26 Apr 2023 13:21

Instrument :

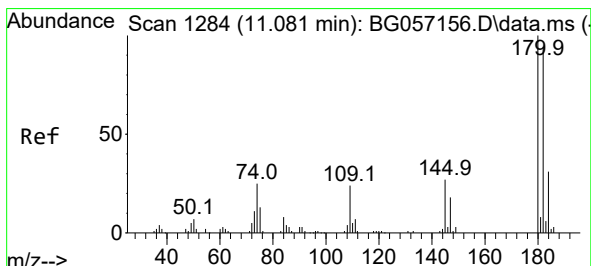
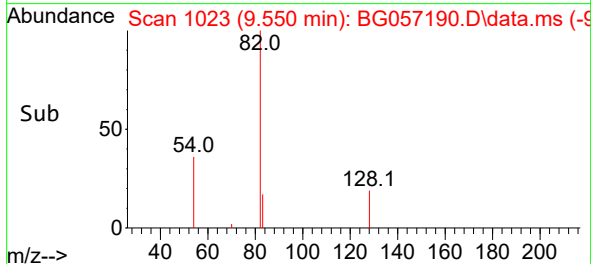
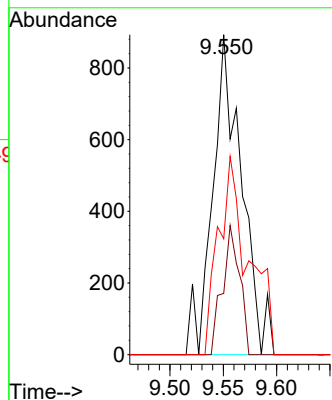
BNA_G

ClientSampleId :

SPA-4WC-23-04DL2



Tgt Ion:	82	Resp:	1688
Ion	Ratio	Lower	Upper
82	100		
128	19.1	29.4	44.2#
54	36.2	36.2	54.2



#30

1,2,4-Trichlorobenzene

Concen: 3.351 ng

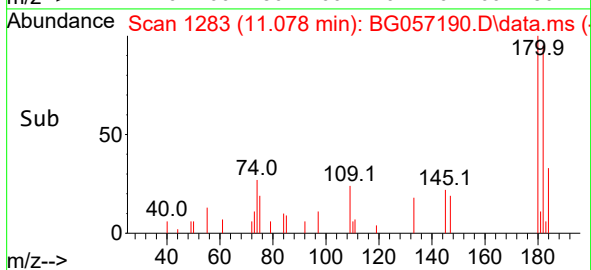
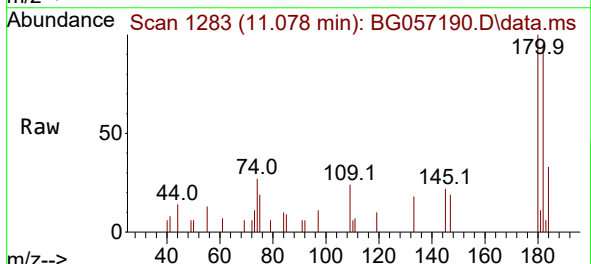
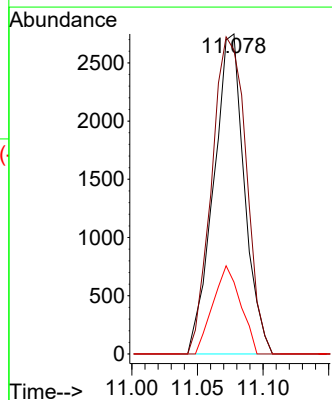
RT: 11.078 min Scan# 1283

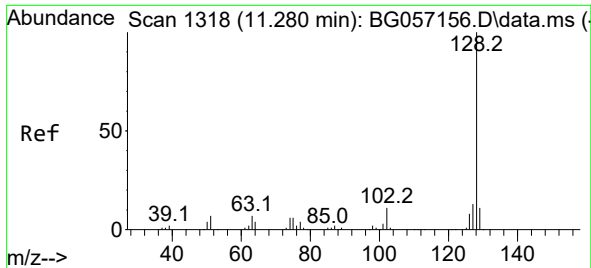
Delta R.T. 0.004 min

Lab File: BG057190.D

Acq: 26 Apr 2023 13:21

Tgt Ion:	180	Resp:	4473
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.0	112.6
145	22.5	21.4	32.2

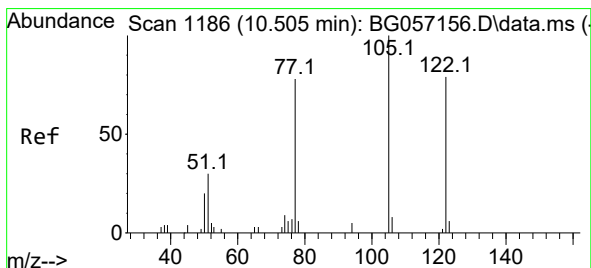
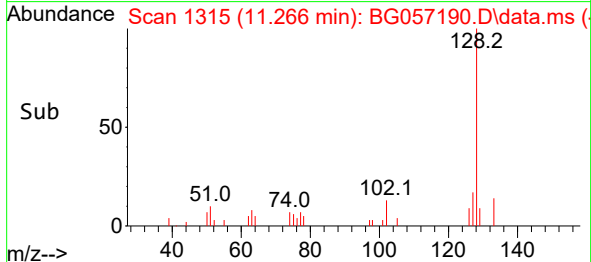
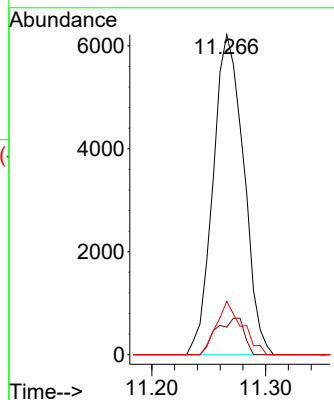
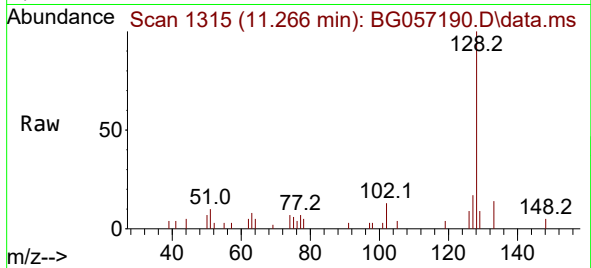




#31
Naphthalene
Concen: 3.254 ng
RT: 11.266 min Scan# 1164
Delta R.T. -0.008 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

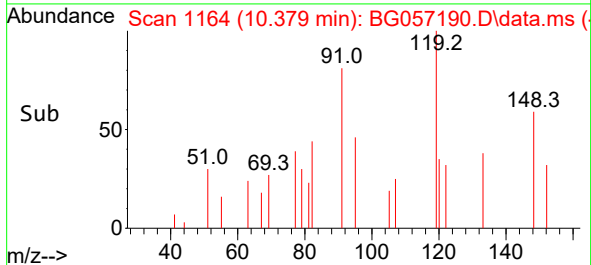
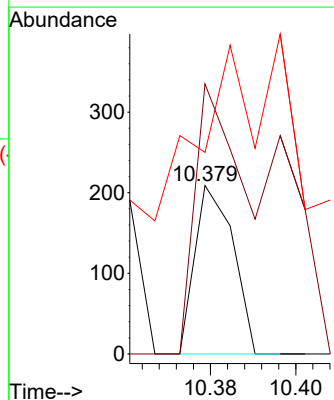
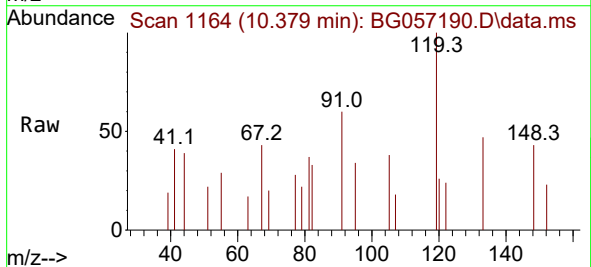
Instrument :
BNA_G
ClientSampleId :
SPA-4WC-23-04DL2

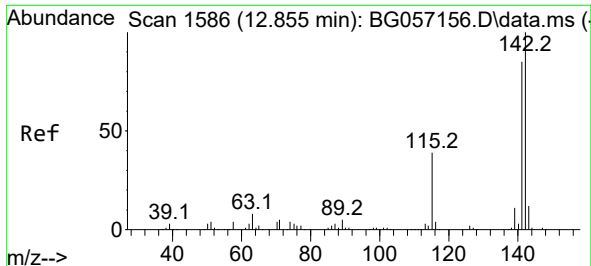
Tgt Ion:128 Resp: 11612
Ion Ratio Lower Upper
128 100
129 8.6 8.8 13.2#
127 16.6 10.6 16.0#



#32
Benzoic acid
Concen: 6.383 ng
RT: 10.379 min Scan# 1164
Delta R.T. -0.113 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

Tgt Ion:122 Resp: 130
Ion Ratio Lower Upper
122 100
105 160.3 104.3 144.3#
77 119.6 79.5 119.5#

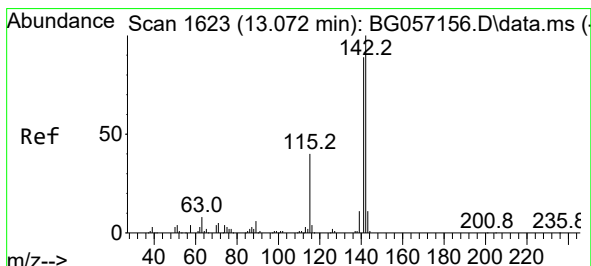
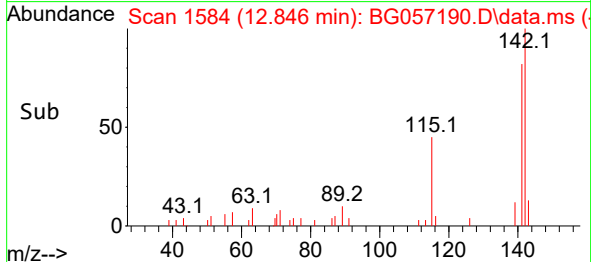
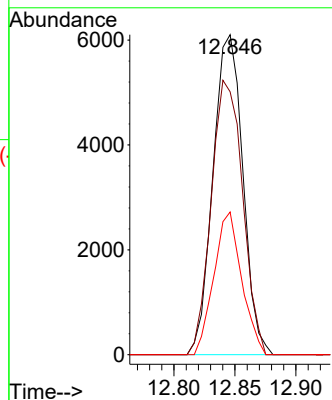
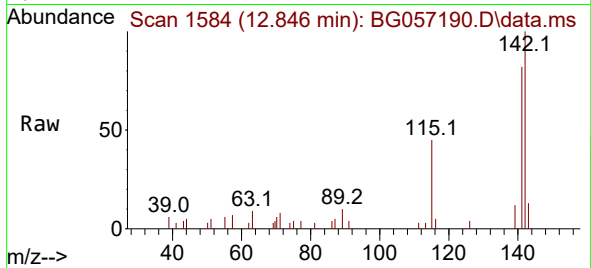




#37
2-Methylnaphthalene
Concen: 3.701 ng
RT: 12.846 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

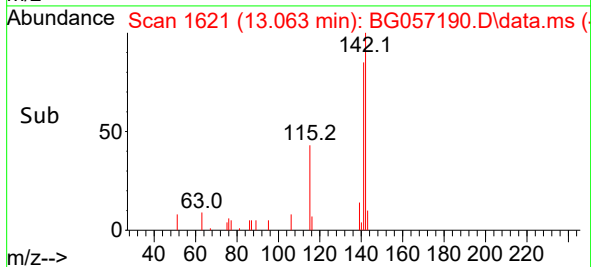
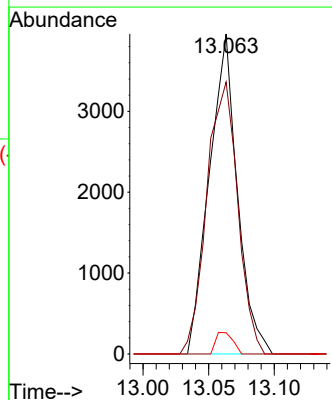
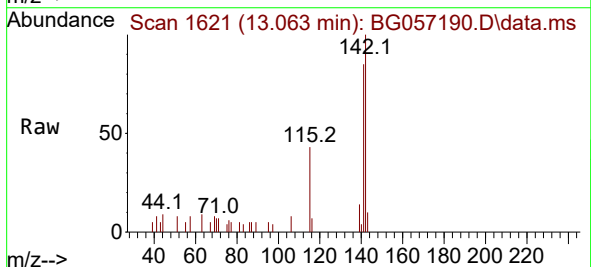
Instrument :
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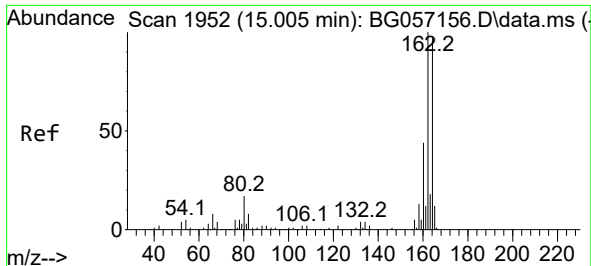
Tgt Ion:142 Resp: 10394
Ion Ratio Lower Upper
142 100
141 82.1 68.1 102.1
115 44.6 31.0 46.4



#38
1-Methylnaphthalene
Concen: 2.271 ng
RT: 13.063 min Scan# 1621
Delta R.T. -0.002 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

Tgt Ion:142 Resp: 5890
Ion Ratio Lower Upper
142 100
141 85.0 71.6 107.4
116 6.6 3.3 4.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.990 min Scan# 1949

Delta R.T. -0.002 min

Lab File: BG057190.D

Acq: 26 Apr 2023 13:21

Instrument :

BNA_G

ClientSampleId :

SPA-4WC-23-04DL2

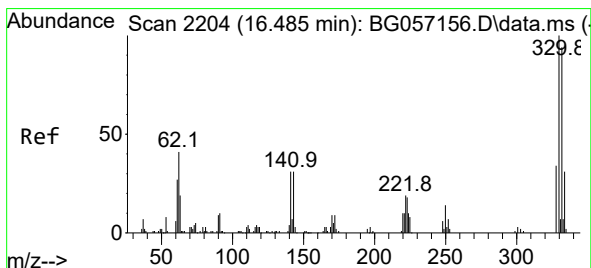
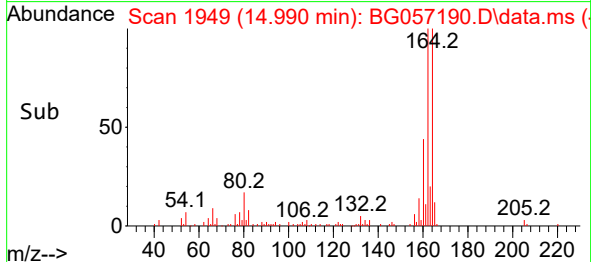
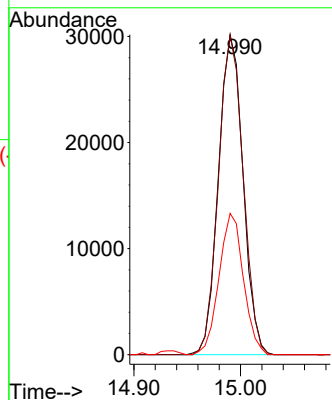
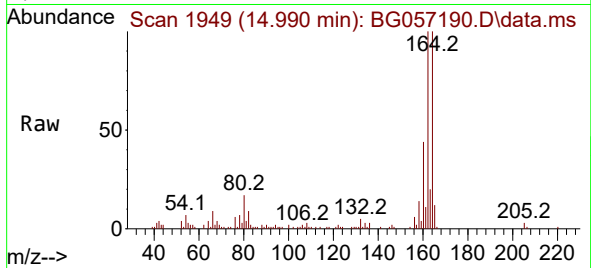
Tgt Ion:164 Resp: 48236

Ion Ratio Lower Upper

164 100

162 99.8 82.4 123.6

160 44.1 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 1.420 ng

RT: 16.476 min Scan# 2202

Delta R.T. -0.002 min

Lab File: BG057190.D

Acq: 26 Apr 2023 13:21

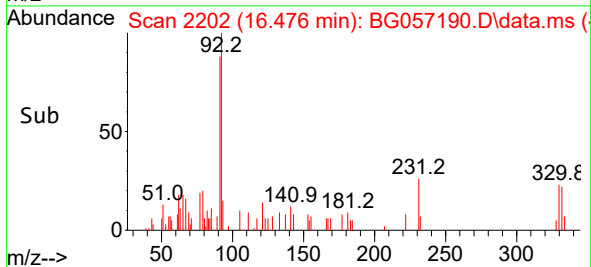
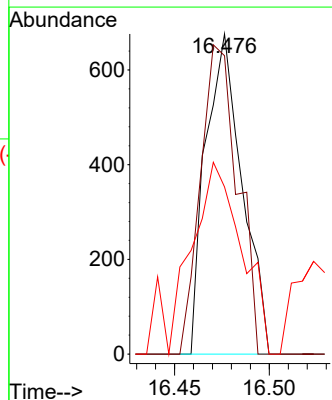
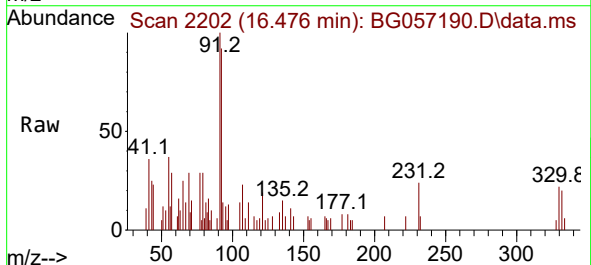
Tgt Ion:330 Resp: 904

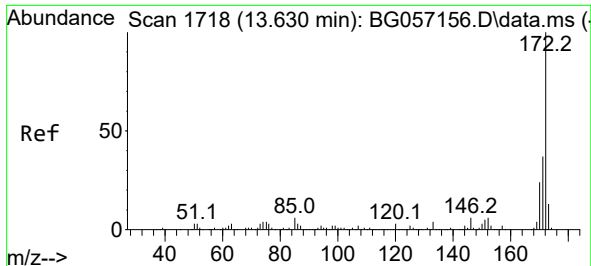
Ion Ratio Lower Upper

330 100

332 99.0 77.6 116.4

141 87.5 26.0 39.0#

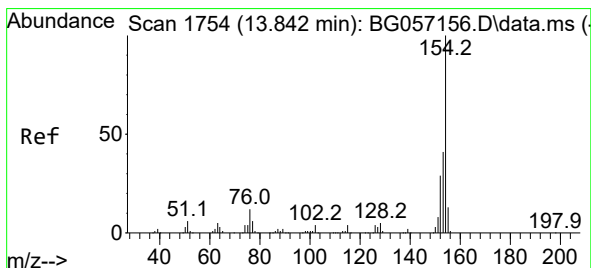
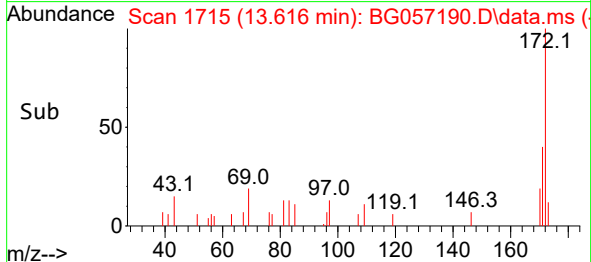
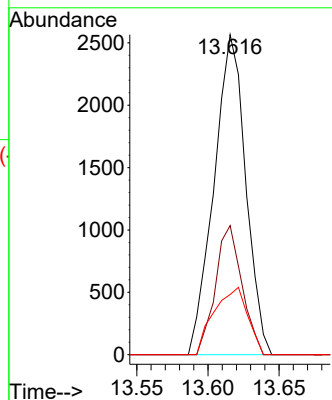
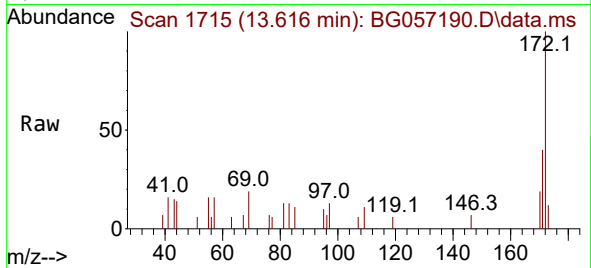




#45
2-Fluorobiphenyl
Concen: 1.109 ng
RT: 13.616 min Scan# 1715
Delta R.T. -0.002 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

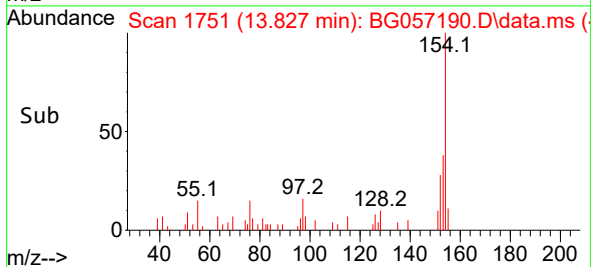
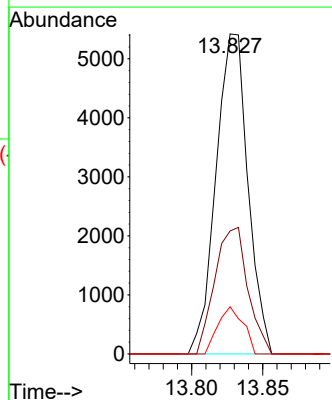
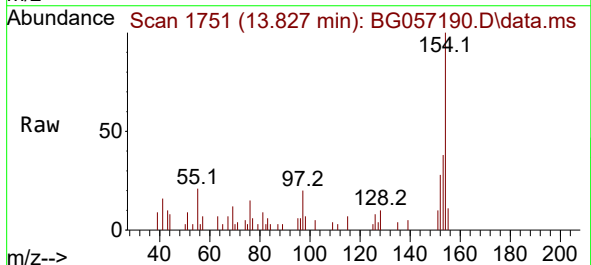
Instrument :
BNA_G
ClientSampleId :
SPA-4WC-23-04DL2

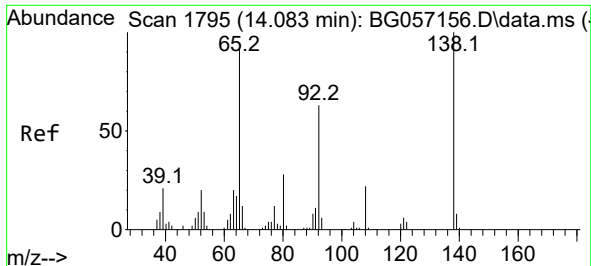
Tgt Ion:172 Resp: 3979
Ion Ratio Lower Upper
172 100
171 40.4 29.2 43.8
170 18.8 19.4 29.2#



#46
1,1'-Biphenyl
Concen: 2.358 ng
RT: 13.827 min Scan# 1751
Delta R.T. -0.008 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

Tgt Ion:154 Resp: 8479
Ion Ratio Lower Upper
154 100
153 38.5 20.9 60.9
76 14.8 0.0 32.3

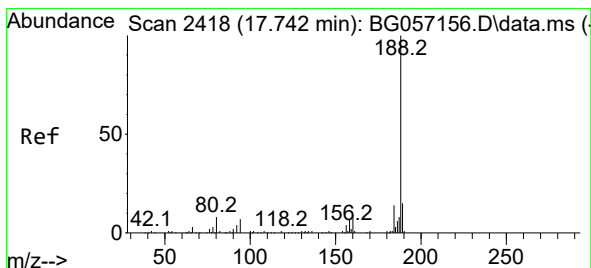
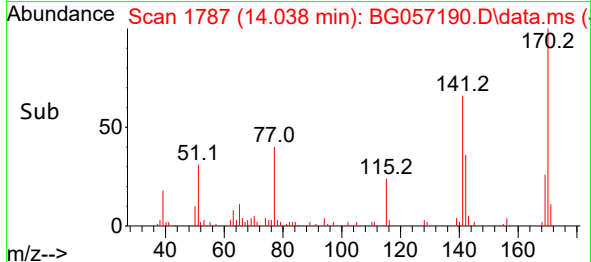
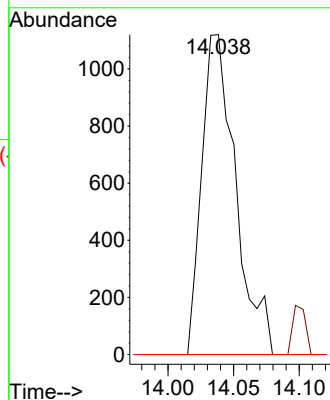
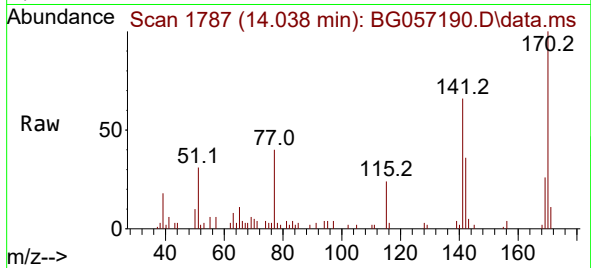




#48
2-Nitroaniline
Concen: 7.312 ng
RT: 14.038 min Scan# 11
Delta R.T. -0.043 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

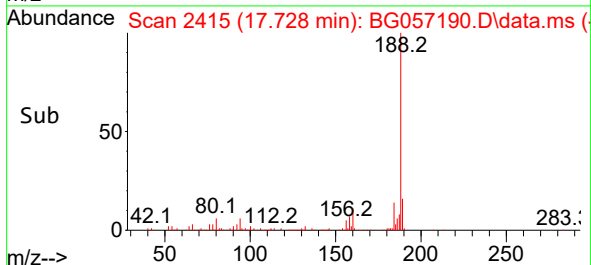
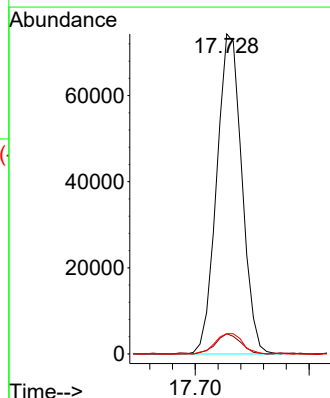
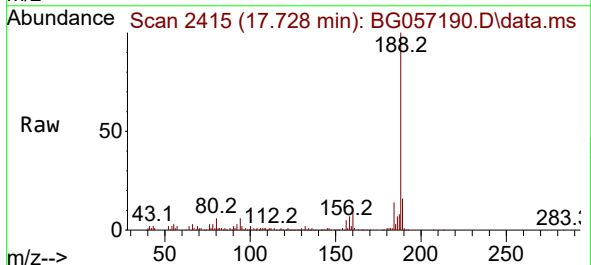
Instrument :
BNA_G
ClientSampleId :
SPA-4WC-23-04DL2

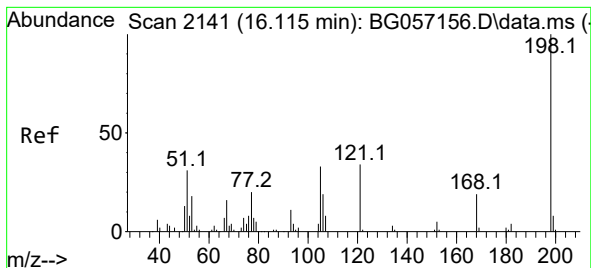
Tgt Ion: 65 Resp: 2015
Ion Ratio Lower Upper
65 100
92 0.0 54.9 82.3#
138 0.0 86.6 129.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.728 min Scan# 2415
Delta R.T. -0.008 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

Tgt Ion:188 Resp: 114237
Ion Ratio Lower Upper
188 100
94 6.3 5.4 8.0
80 6.4 6.2 9.2

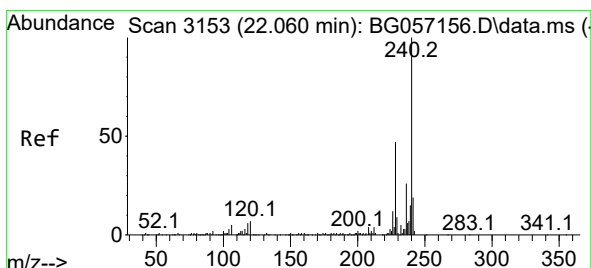
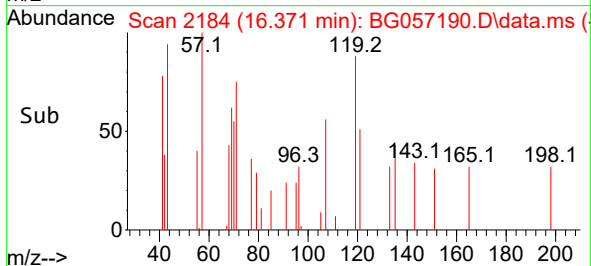
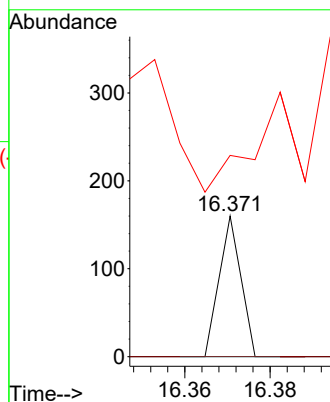
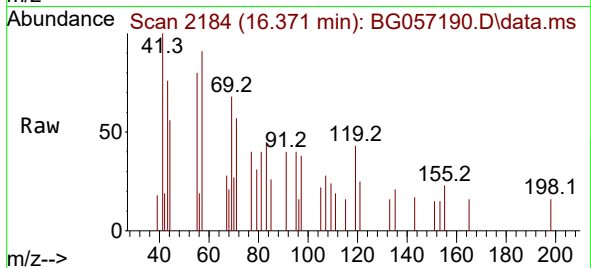




#65
4,6-Dinitro-2-methylphenol
Concen: 4.962 ng
RT: 16.371 min Scan# 2141
Delta R.T. 0.263 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

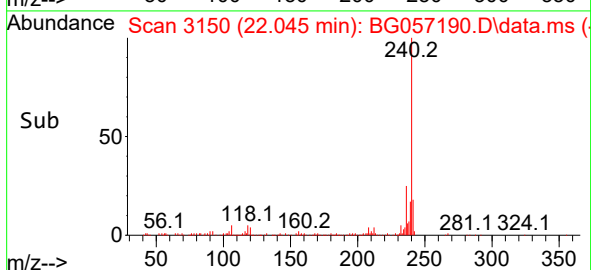
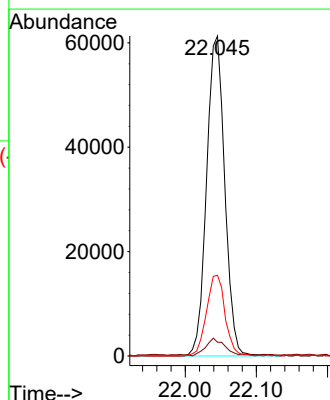
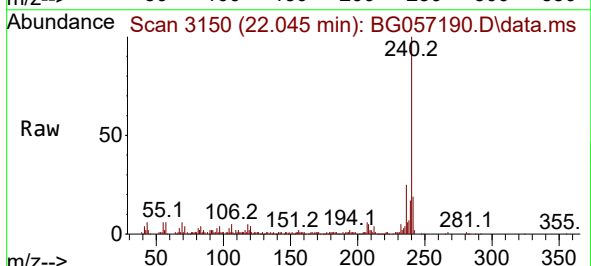
Instrument :
BNA_G
ClientSampleId :
SPA-4WC-23-04DL2

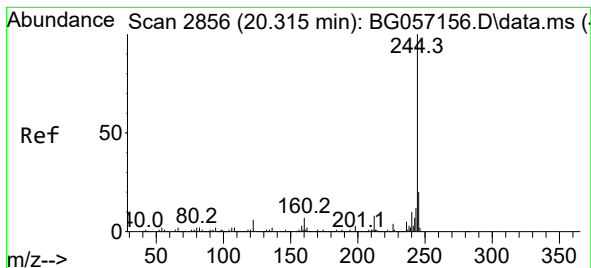
Tgt Ion:198 Resp: 56
Ion Ratio Lower Upper
198 100
51 0.0 13.1 53.1#
105 143.1 14.1 54.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.045 min Scan# 3150
Delta R.T. -0.002 min
Lab File: BG057190.D
Acq: 26 Apr 2023 13:21

Tgt Ion:240 Resp: 108896
Ion Ratio Lower Upper
240 100
120 4.3 5.5 8.3#
236 25.2 20.8 31.2





#79

Terphenyl-d14

Concen: 1.098 ng

RT: 20.301 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG057190.D

Acq: 26 Apr 2023 13:21

Instrument :

BNA_G

ClientSampleId :

SPA-4WC-23-04DL2

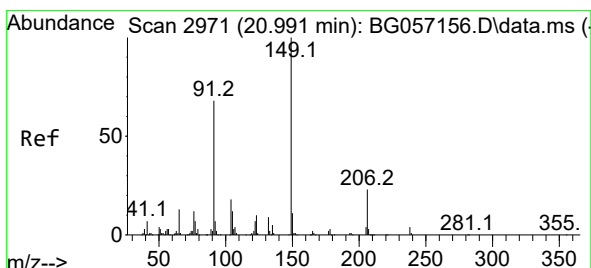
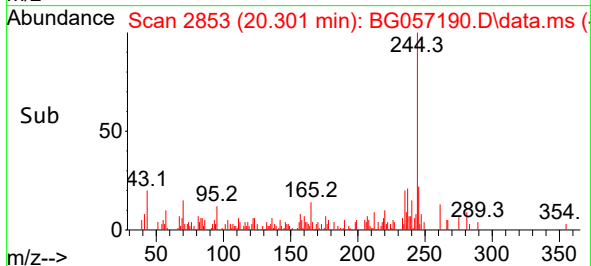
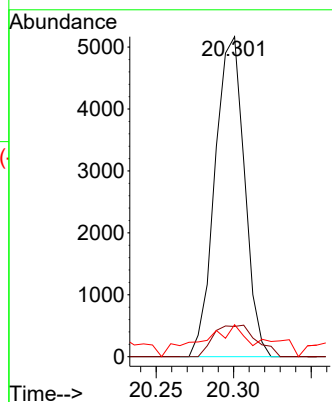
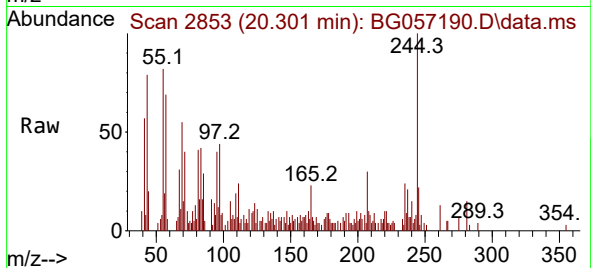
Tgt Ion:244 Resp: 6833

Ion Ratio Lower Upper

244 100

212 9.4 6.0 9.0#

122 10.0 5.0 7.4#



#80

Butylbenzylphthalate

Concen: 4.814 ng

RT: 20.976 min Scan# 2968

Delta R.T. -0.002 min

Lab File: BG057190.D

Acq: 26 Apr 2023 13:21

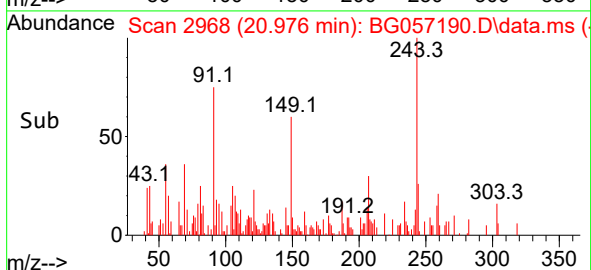
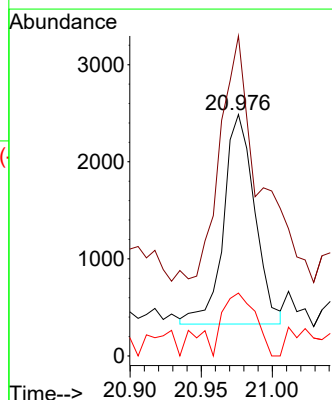
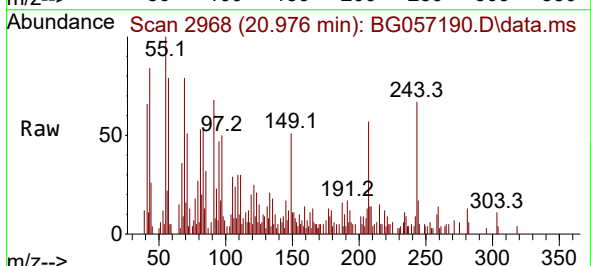
Tgt Ion:149 Resp: 3302

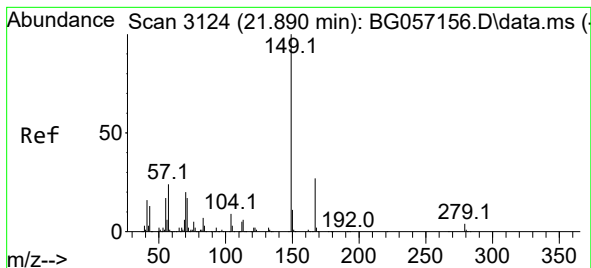
Ion Ratio Lower Upper

149 100

91 132.5 54.1 81.1#

206 26.1 18.2 27.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 53.019 ng

RT: 21.875 min Scan# 3121

Delta R.T. 0.004 min

Lab File: BG057190.D

Acq: 26 Apr 2023 13:21

Instrument :

BNA_G

ClientSampleId :

SPA-4WC-23-04DL2

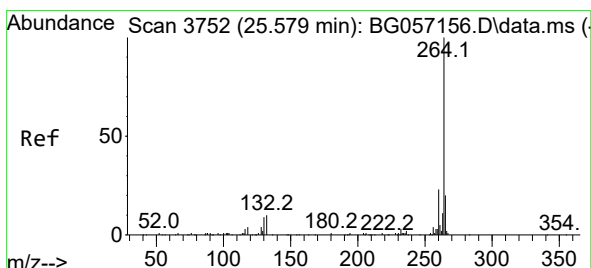
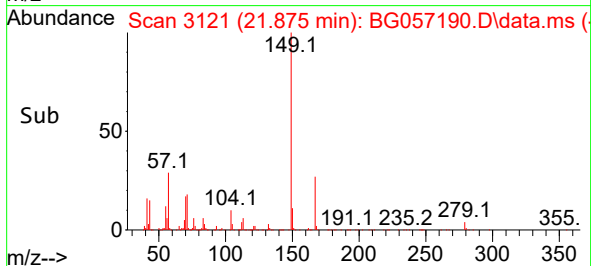
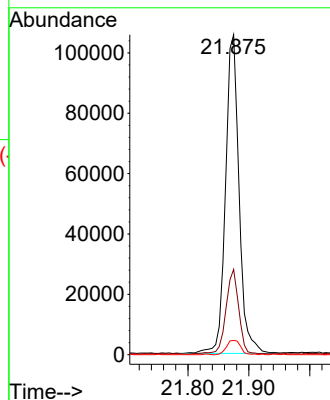
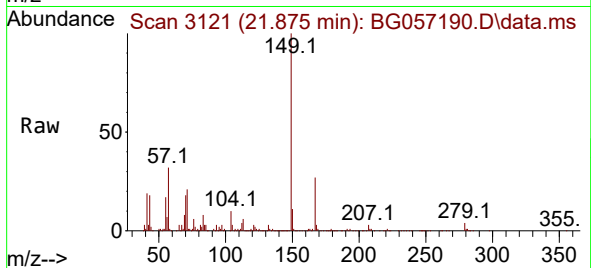
Tgt Ion:149 Resp: 162976

Ion Ratio Lower Upper

149 100

167 26.7 21.9 32.9

279 4.4 3.3 4.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.564 min Scan# 3749

Delta R.T. 0.004 min

Lab File: BG057190.D

Acq: 26 Apr 2023 13:21

Tgt Ion:264 Resp: 115851

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 22.3 16.4 24.6

