

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG033123\
 Data File : BG056947.D
 Acq On : 31 Mar 2023 16:54
 Operator : CG/JU
 Sample : PB151350BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB151350BL

Quant Time: Apr 01 02:37:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

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

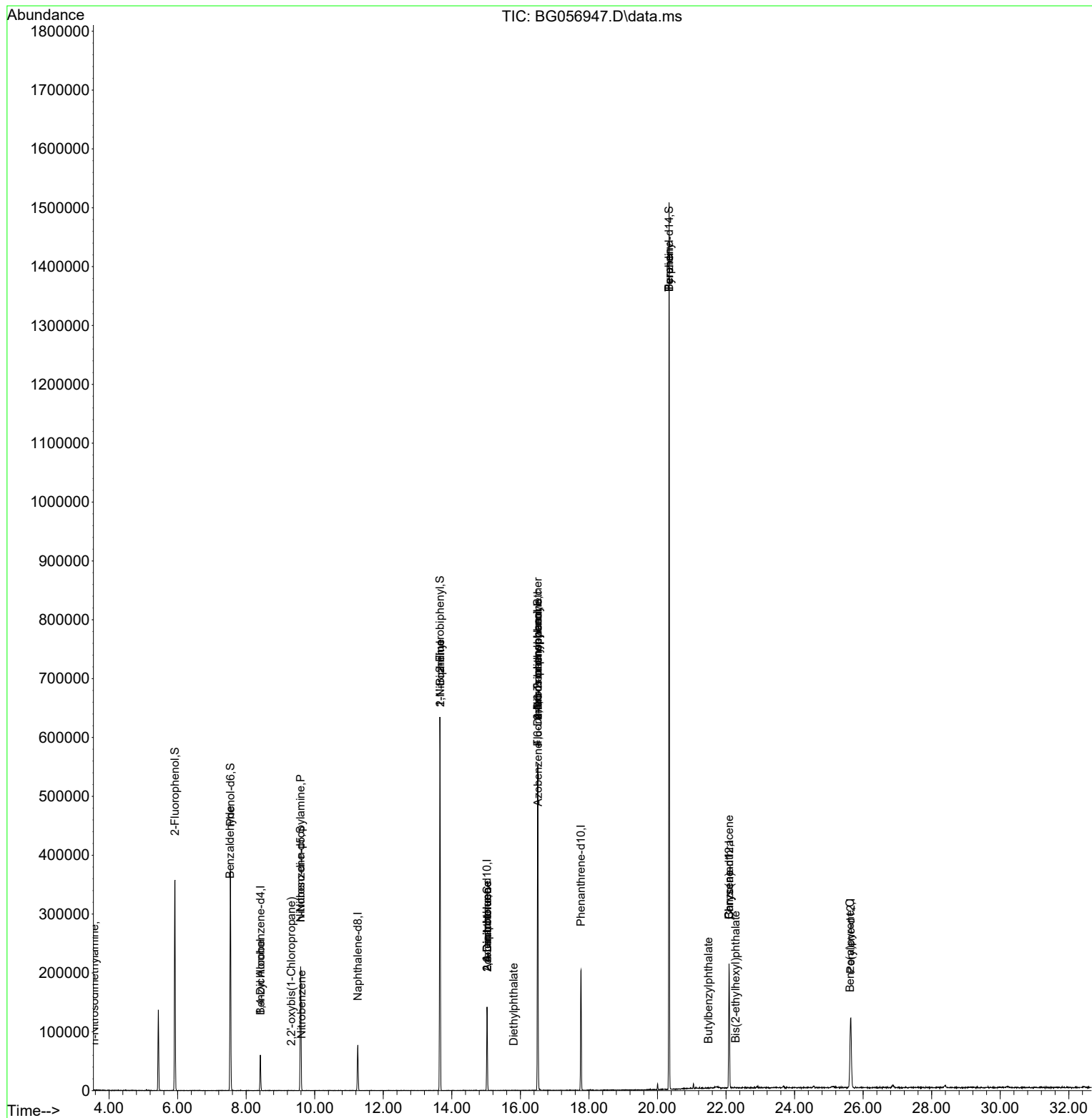
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.419	152	15820	20.000	ng	0.00
21) Naphthalene-d8	11.256	136	64022	20.000	ng	0.00
39) Acenaphthene-d10	15.028	164	49929	20.000	ng	0.00
64) Phenanthrene-d10	17.765	188	135074	20.000	ng	0.00
76) Chrysene-d12	22.089	240	137007	20.000	ng	0.00
86) Perylene-d12	25.637	264	147142	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.922	112	148210	149.938	ng	0.00
7) Phenol-d6	7.544	99	205879	139.259	ng	0.00
23) Nitrobenzene-d5	9.588	82	132960	84.977	ng	0.00
42) 2,4,6-Tribromophenol	16.508	330	106097	133.015	ng	0.00
45) 2-Fluorobiphenyl	13.653	172	321855	87.412	ng	0.00
79) Terphenyl-d14	20.338	244	733324	90.572	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.572	42	54	0.084	ng	# 1
9) Benzaldehyde	7.532	77	392	0.423	ng	# 7
15) Benzyl Alcohol	8.419	79	500	0.407	ng	# 1
16) 2,2'-oxybis(1-Chloropr...	9.312	45	68	0.054	ng	# 61
19) n-Nitroso-di-n-propyla...	9.588	70	19031	17.997	ng	# 80
24) Nitrobenzene	9.617	77	56	0.035	ng	# 47
46) 1,1'-Biphenyl	13.659	154	522	0.143	ng	# 1
48) 2-Nitroaniline	13.659	65	490	0.507	ng	# 1
51) 2,6-Dinitrotoluene	15.033	165	6411	7.542	ng	# 21
52) Acenaphthene	15.033	154	72	0.024	ng	# 5
57) 2,4-Dinitrotoluene	15.033	165	6411	5.348	ng	# 21
58) Fluorene	16.502	166	2553	0.671	ng	# 81
60) Diethylphthalate	15.803	149	57	0.014	ng	# 58
63) Azobenzene	16.514	77	487	0.124	ng	# 24
65) 4,6-Dinitro-2-methylph...	16.502	198	333	0.407	ng	# 1
66) n-Nitrosodiphenylamine	16.508	169	3376	0.931	ng	# 38
67) 4-Bromophenyl-phenylether	16.508	248	6447	3.857	ng	# 1
77) Benzidine	20.338	184	12407	3.313	ng	# 89
78) Pyrene	20.338	202	2638	0.278	ng	# 65
80) Butylbenzylphthalate	21.489	149	54	0.017	ng	# 19
81) Benzo(a)anthracene	22.089	228	263	0.028	ng	# 51
83) Chrysene	22.089	228	263	0.030	ng	# 50
84) Bis(2-ethylhexyl)phtha...	22.277	149	62	0.013	ng	# 54
90) Benzo(a)pyrene	25.619	252	125	0.014	ng	# 60

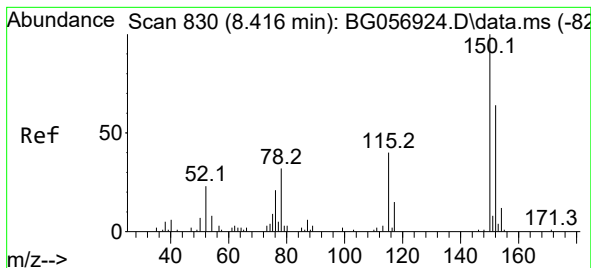
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG033123\
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Quant Time: Apr 01 02:37:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 03:23:11 2023
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.419 min Scan# 8

Delta R.T. 0.003 min

Lab File: BG056947.D

Acq: 31 Mar 2023 16:54

Instrument :

BNA_G

ClientSampleId :

PB151350BL

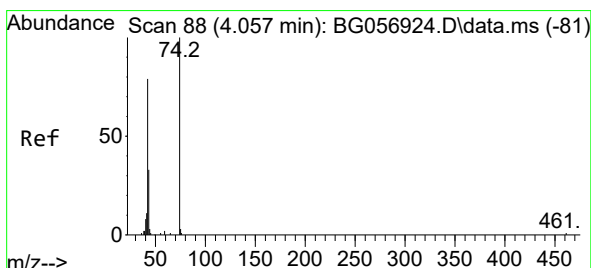
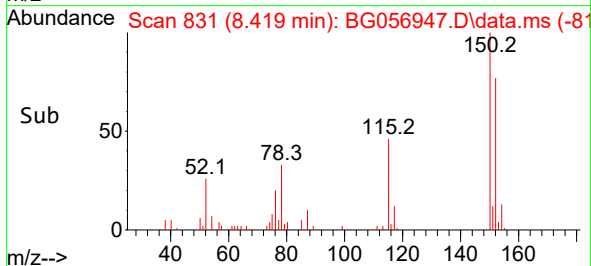
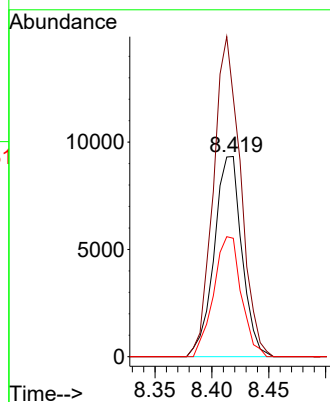
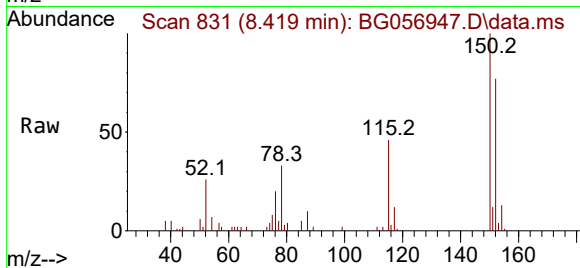
Tgt Ion:152 Resp: 15820

Ion Ratio Lower Upper

152 100

150 129.2 124.1 186.1

115 59.1 49.1 73.7



#4

n-Nitrosodimethylamine

Concen: 0.084 ng

RT: 3.572 min Scan# 6

Delta R.T. -0.485 min

Lab File: BG056947.D

Acq: 31 Mar 2023 16:54

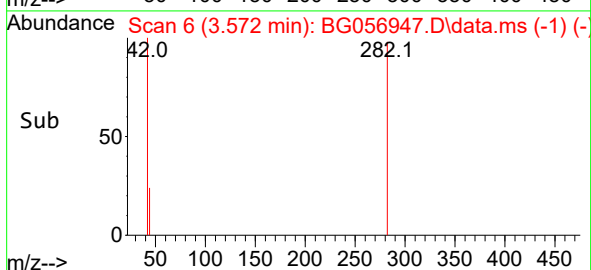
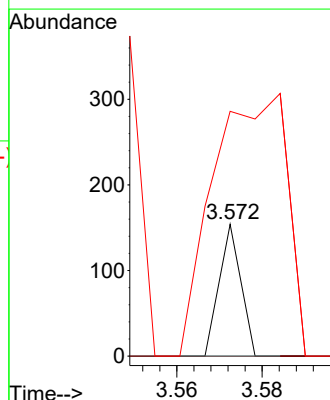
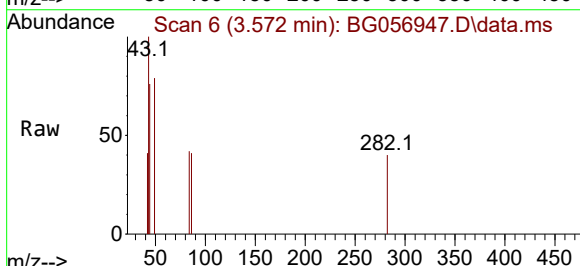
Tgt Ion: 42 Resp: 54

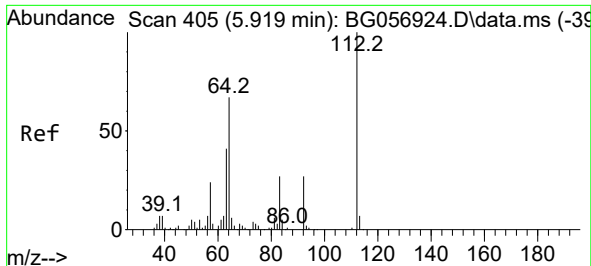
Ion Ratio Lower Upper

42 100

74 0.0 100.6 151.0#

44 185.7 4.6 7.0#

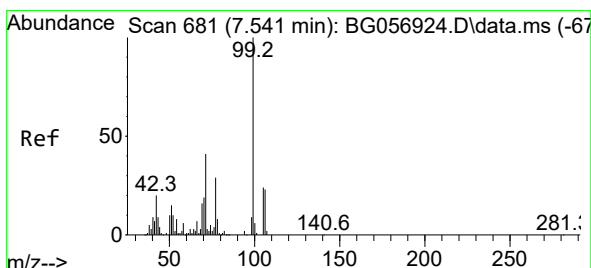
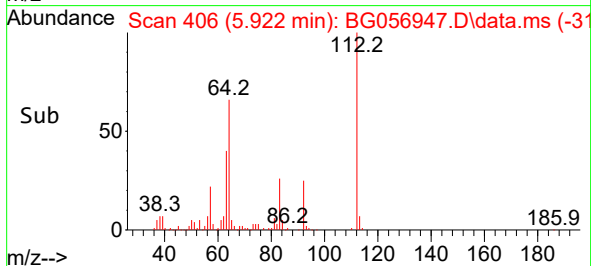
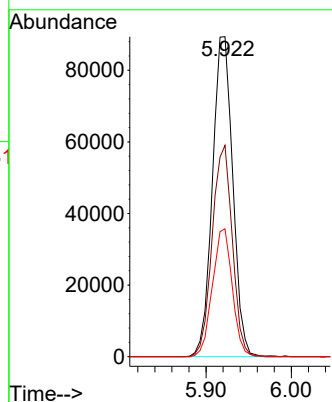
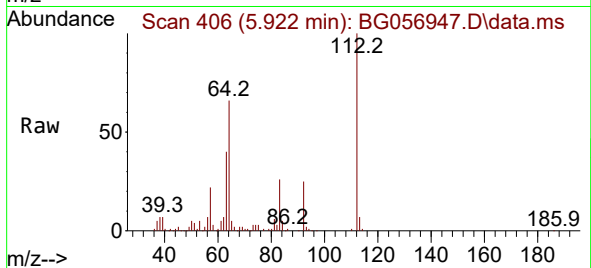




#5
2-Fluorophenol
Concen: 149.938 ng
RT: 5.922 min Scan# 405
Delta R.T. 0.003 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

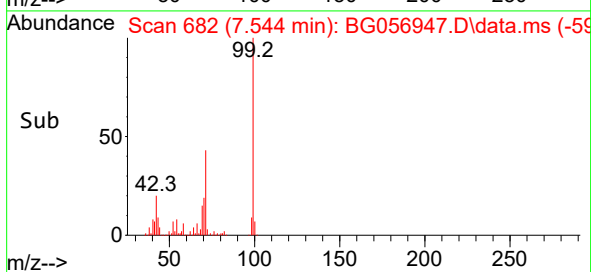
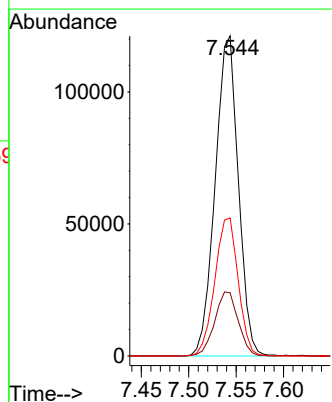
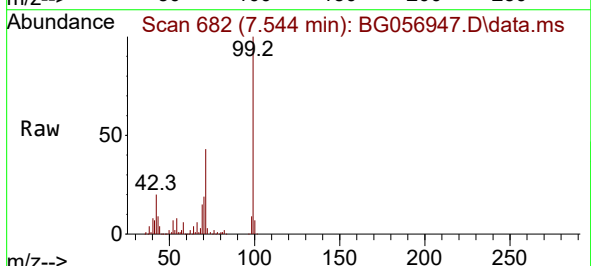
Instrument :
BNA_G
ClientSampleId :
PB151350BL

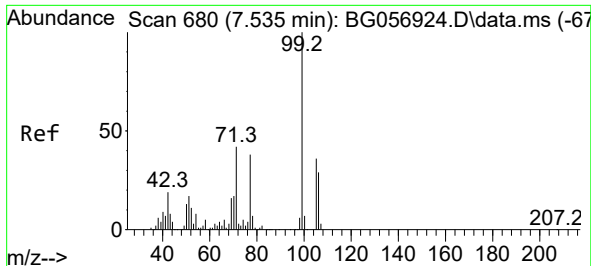
Tgt Ion:112 Resp: 148210
Ion Ratio Lower Upper
112 100
64 66.1 53.2 79.8
63 39.9 32.6 48.8



#7
Phenol-d6
Concen: 139.259 ng
RT: 7.544 min Scan# 682
Delta R.T. 0.003 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

Tgt Ion: 99 Resp: 205879
Ion Ratio Lower Upper
99 100
42 19.7 15.7 23.5
71 43.2 32.5 48.7

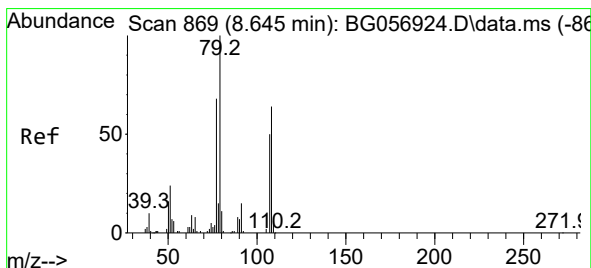
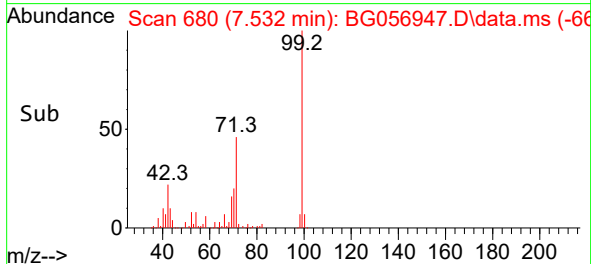
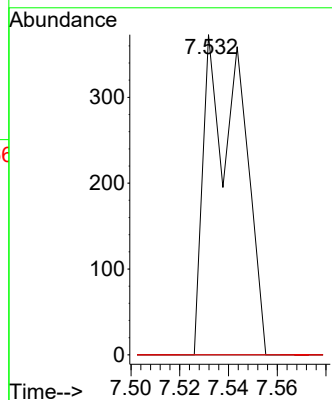
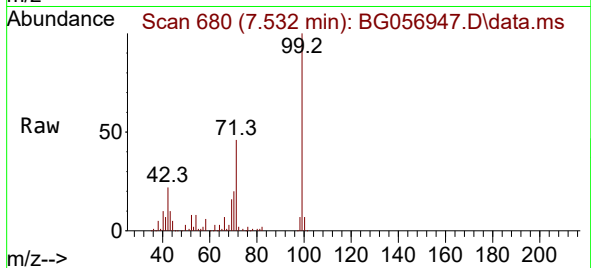




#9
Benzaldehyde
Concen: 0.423 ng
RT: 7.532 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

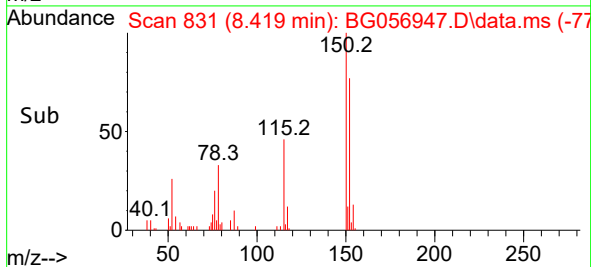
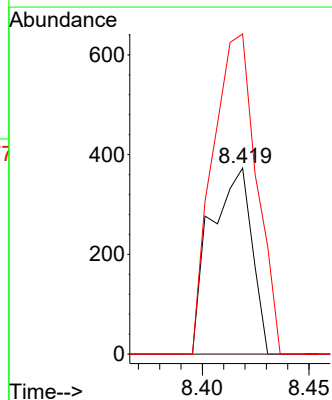
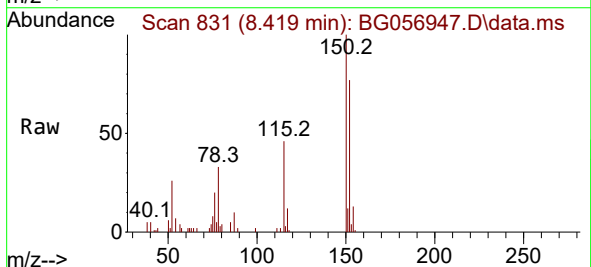
Instrument :
BNA_G
ClientSampleId :
PB151350BL

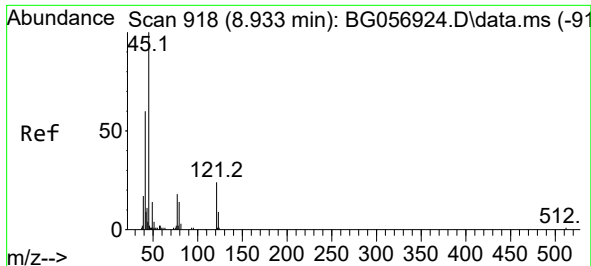
Tgt Ion: 77 Resp: 392
Ion Ratio Lower Upper
77 100
105 0.0 73.6 113.6#
106 0.0 56.7 96.7#



#15
Benzyl Alcohol
Concen: 0.407 ng
RT: 8.419 min Scan# 831
Delta R.T. -0.226 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

Tgt Ion: 79 Resp: 500
Ion Ratio Lower Upper
79 100
108 0.0 51.2 76.8#
77 172.1 54.4 81.6#

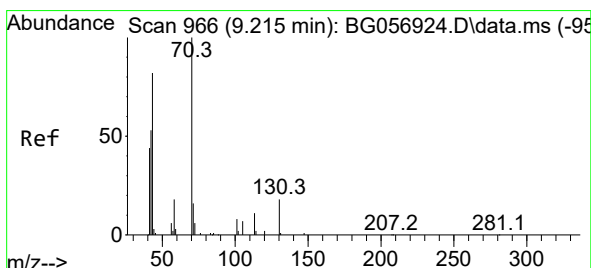
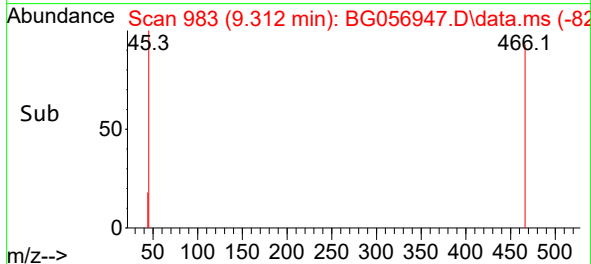
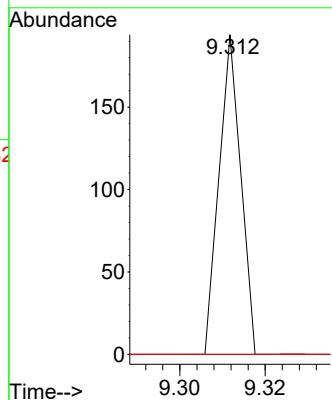
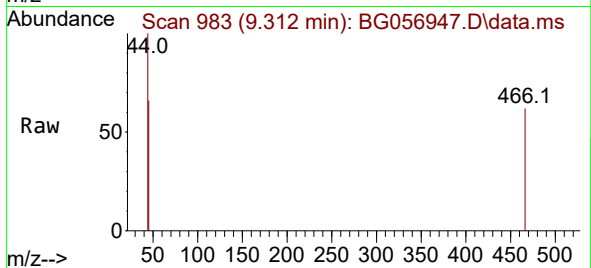




#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.054 ng
RT: 9.312 min Scan# 918
Delta R.T. 0.379 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

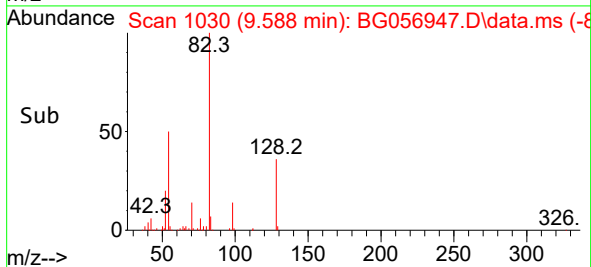
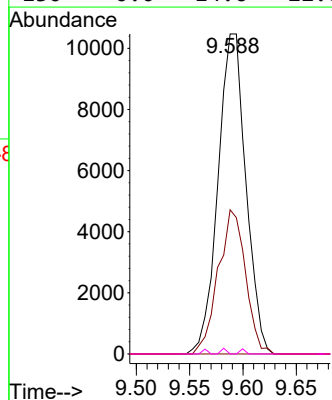
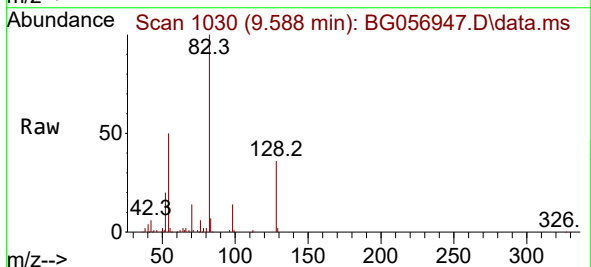
Instrument :
BNA_G
ClientSampleId :
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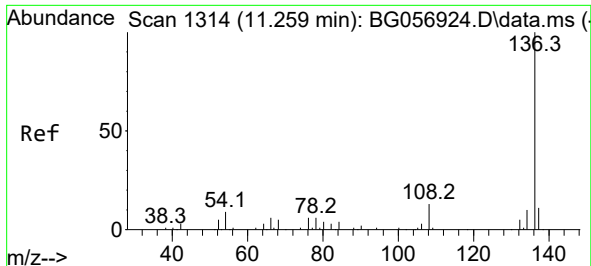
Tgt Ion: 45 Resp: 68
Ion Ratio Lower Upper
45 100
77 0.0 0.0 38.7
79 0.0 0.0 35.1



#19
n-Nitroso-di-n-propylamine
Concen: 17.997 ng
RT: 9.588 min Scan# 1030
Delta R.T. 0.373 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

Tgt Ion: 70 Resp: 19031
Ion Ratio Lower Upper
70 100
42 45.1 43.4 65.0
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#





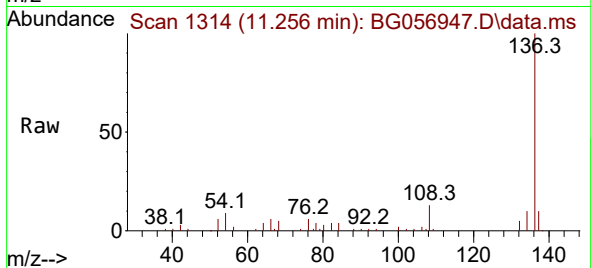
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.256 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

Instrument :

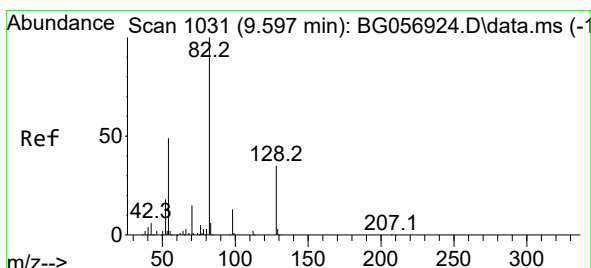
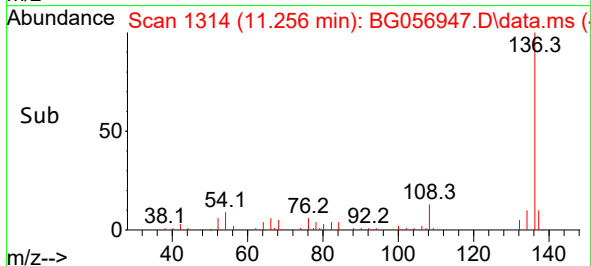
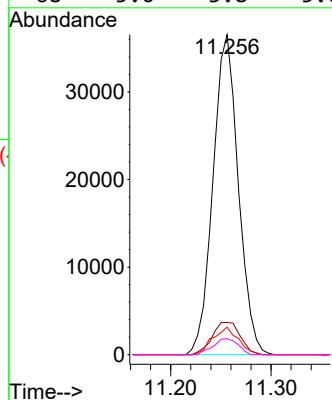
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ClientSampleId :

PB151350BL

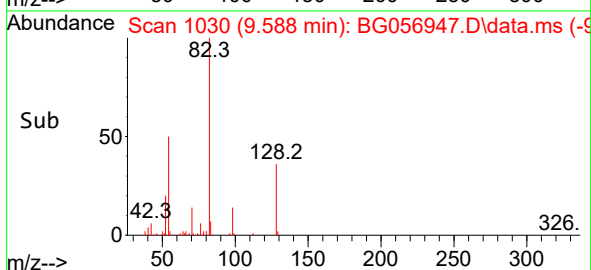
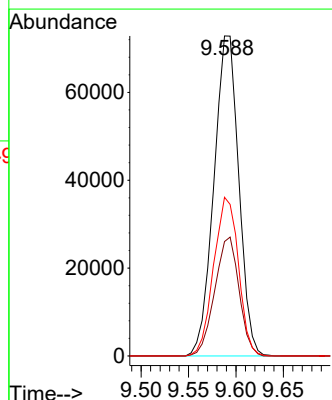
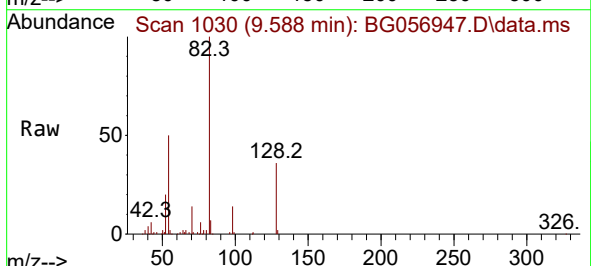


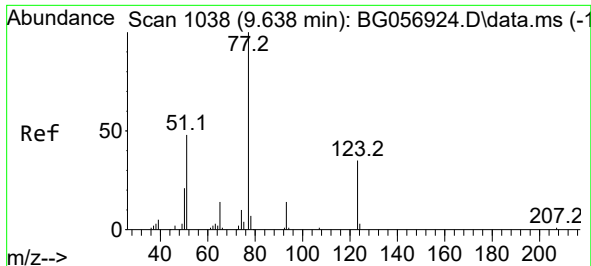
Tgt Ion:136 Resp: 64022
Ion Ratio Lower Upper
136 100
137 10.0 8.6 13.0
54 8.6 6.9 10.3
68 5.0 3.8 5.6



#23
Nitrobenzene-d5
Concen: 84.977 ng
RT: 9.588 min Scan# 1030
Delta R.T. -0.009 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

Tgt Ion: 82 Resp: 132960
Ion Ratio Lower Upper
82 100
128 35.8 27.9 41.9
54 49.6 39.4 59.2

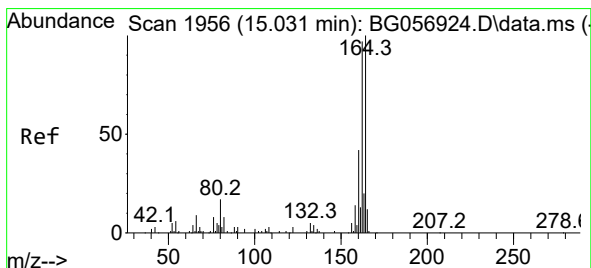
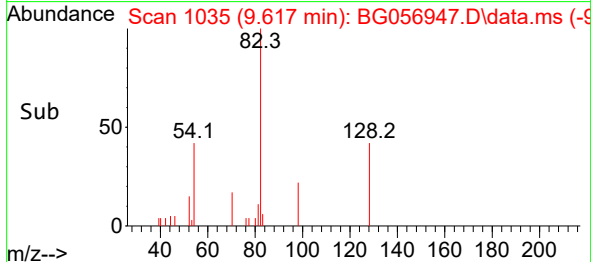
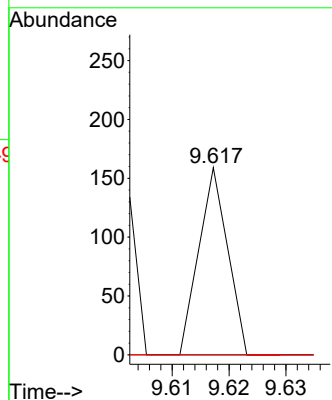
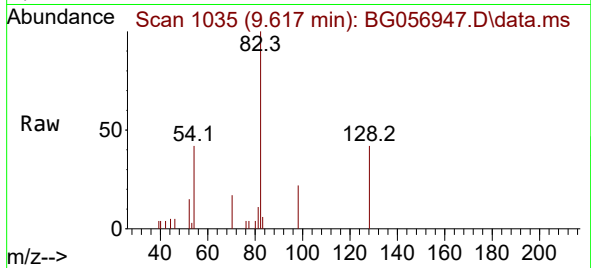




#24
Nitrobenzene
Concen: 0.035 ng
RT: 9.617 min Scan# 1035
Delta R.T. -0.021 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

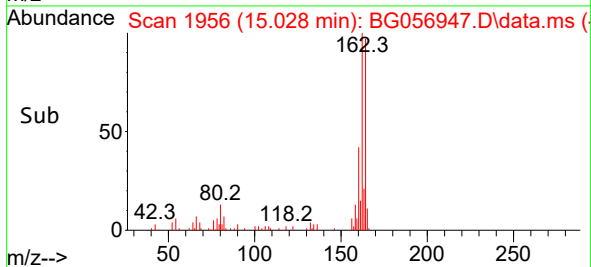
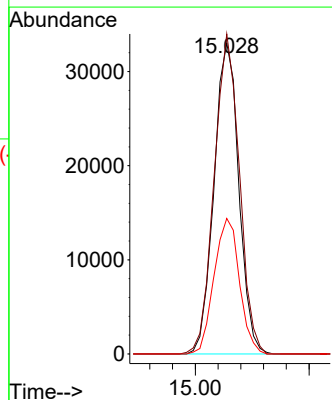
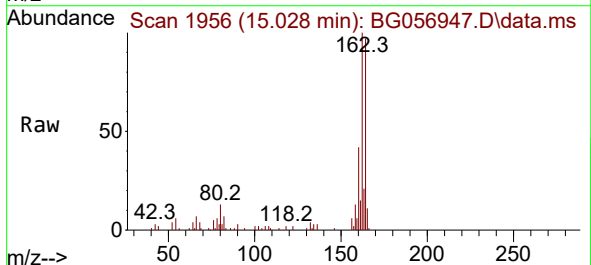
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ClientSampleId :
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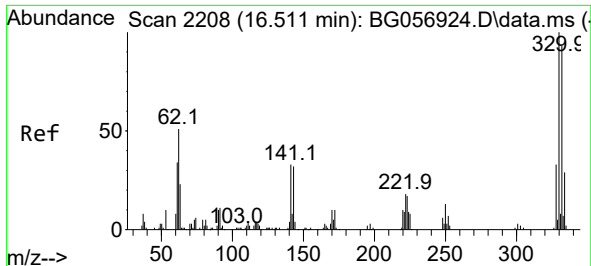
Tgt Ion: 77 Resp: 56
Ion Ratio Lower Upper
77 100
123 0.0 27.6 41.4#
65 0.0 11.5 17.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.028 min Scan# 1956
Delta R.T. -0.003 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

Tgt Ion: 164 Resp: 49929
Ion Ratio Lower Upper
164 100
162 103.0 77.8 116.8
160 43.6 33.5 50.3

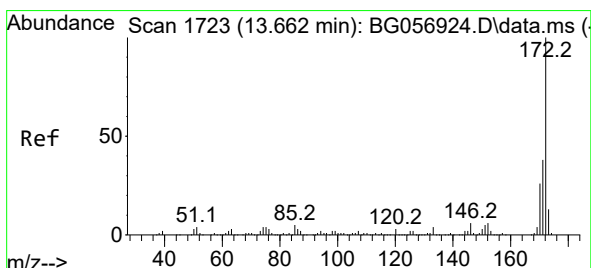
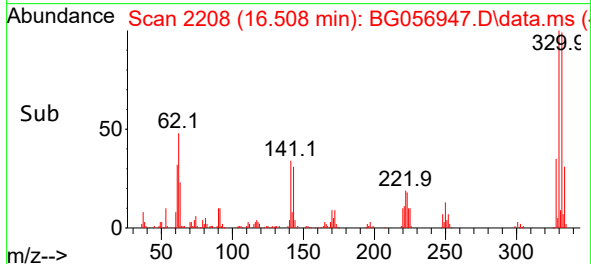
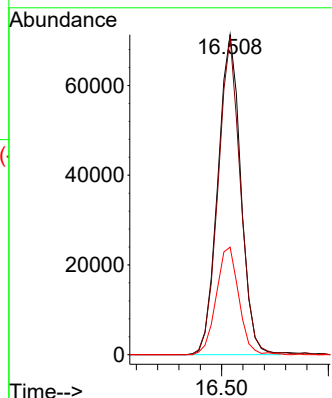
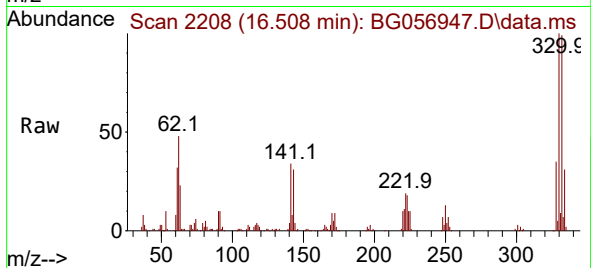




#42
2,4,6-Tribromophenol
Concen: 133.015 ng
RT: 16.508 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

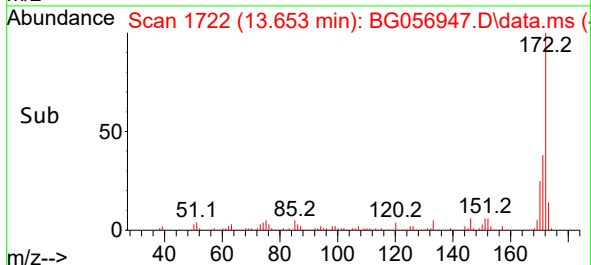
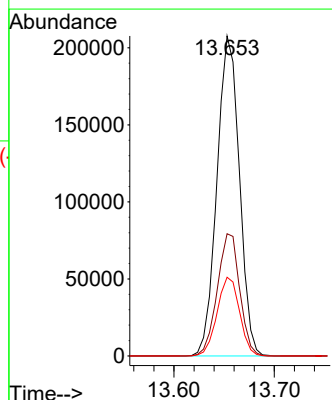
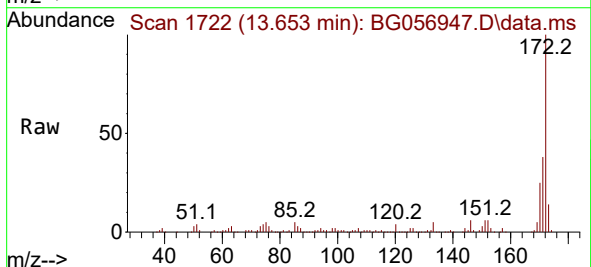
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ClientSampleId :
PB151350BL

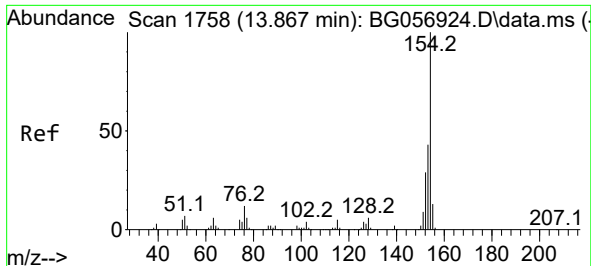
Tgt Ion:330 Resp: 106097
Ion Ratio Lower Upper
330 100
332 96.8 76.1 114.1
141 33.1 25.8 38.6



#45
2-Fluorobiphenyl
Concen: 87.412 ng
RT: 13.653 min Scan# 1722
Delta R.T. -0.009 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

Tgt Ion:172 Resp: 321855
Ion Ratio Lower Upper
172 100
171 38.2 30.6 46.0
170 24.6 20.6 30.8

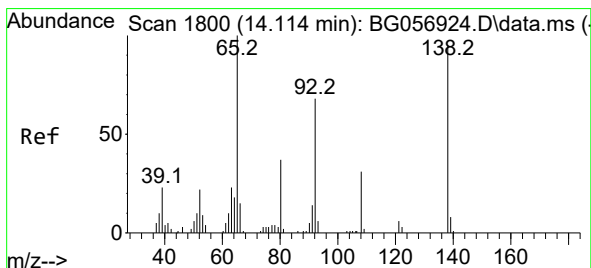
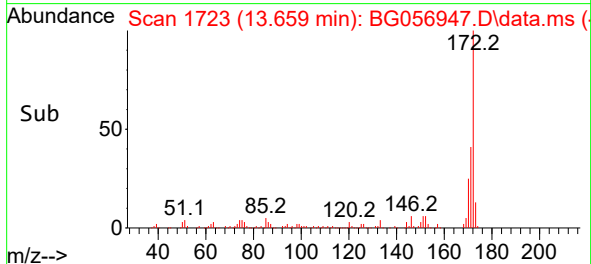
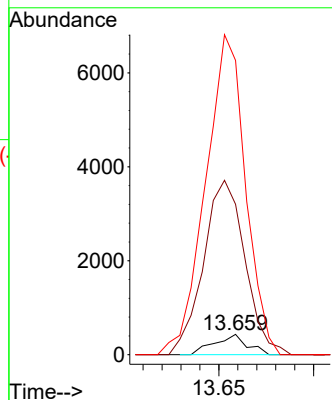
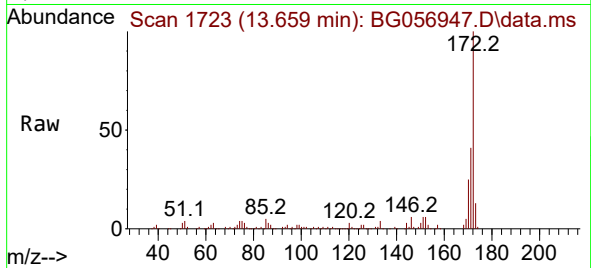




#46
1,1'-Biphenyl
Concen: 0.143 ng
RT: 13.659 min Scan# 1723
Delta R.T. -0.209 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

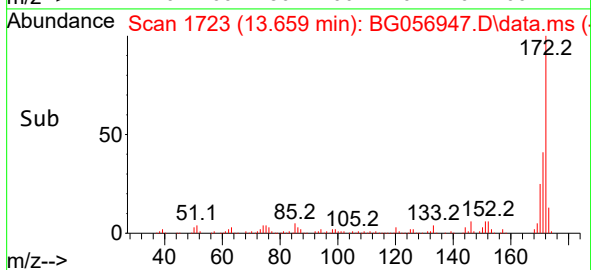
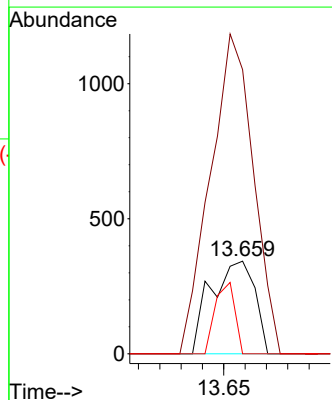
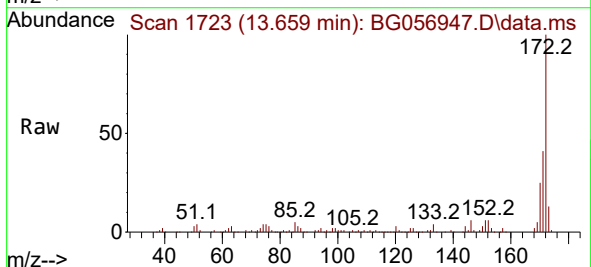
Instrument :
BNA_G
ClientSampleId :
PB151350BL

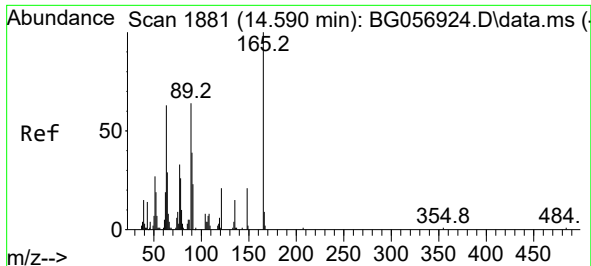
Tgt Ion:154 Resp: 522
Ion Ratio Lower Upper
154 100
153 741.0 23.4 63.4#
76 1450.0 0.0 31.6#



#48
2-Nitroaniline
Concen: 0.507 ng
RT: 13.659 min Scan# 1723
Delta R.T. -0.455 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

Tgt Ion: 65 Resp: 490
Ion Ratio Lower Upper
65 100
92 306.7 54.3 81.5#
138 0.0 76.0 114.0#

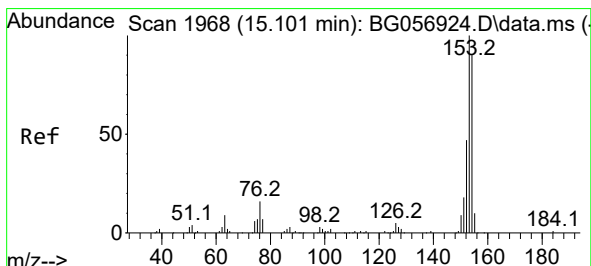
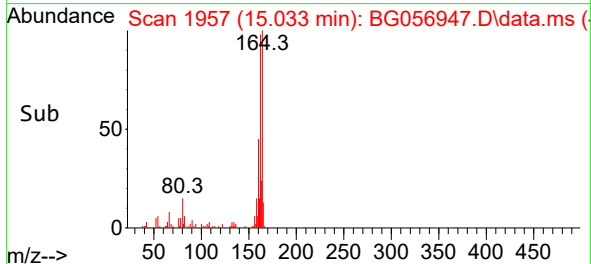
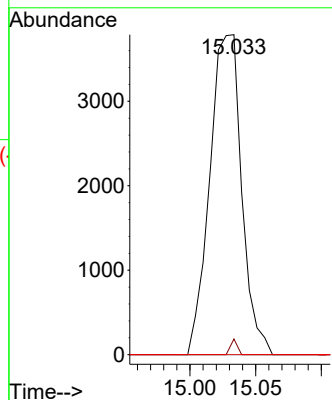
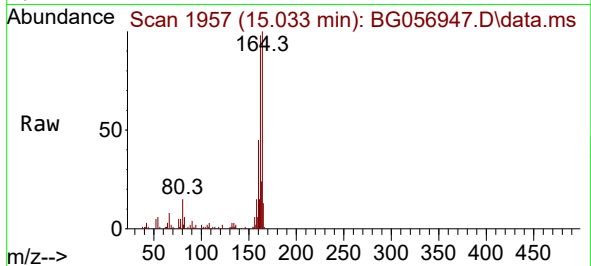




#51
2,6-Dinitrotoluene
Concen: 7.542 ng
RT: 15.033 min Scan# 1957
Delta R.T. 0.443 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

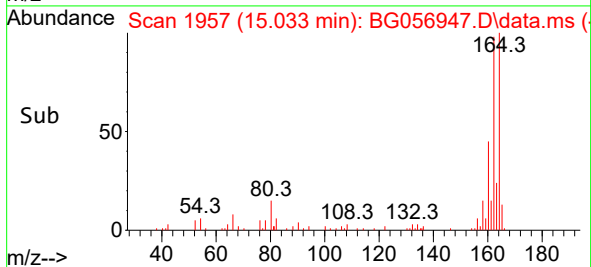
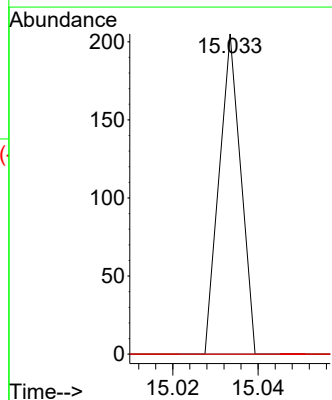
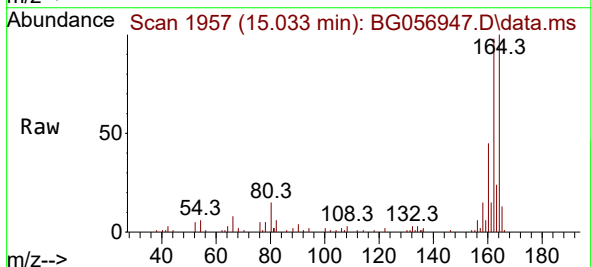
Instrument :
BNA_G
ClientSampleId :
PB151350BL

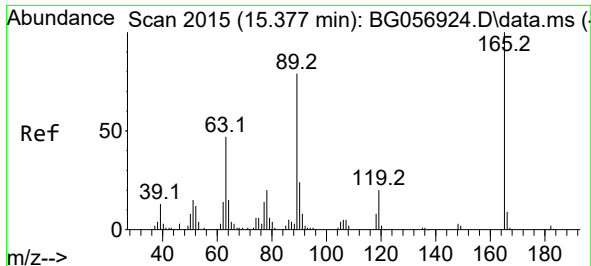
Tgt Ion:165 Resp: 6411
Ion Ratio Lower Upper
165 100
63 4.9 53.0 79.6#
89 0.0 51.0 76.4#



#52
Acenaphthene
Concen: 0.024 ng
RT: 15.033 min Scan# 1957
Delta R.T. -0.068 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

Tgt Ion:154 Resp: 72
Ion Ratio Lower Upper
154 100
153 0.0 88.9 133.3#
152 0.0 41.8 62.8#





#57

2,4-Dinitrotoluene

Concen: 5.348 ng

RT: 15.033 min Scan# 11

Delta R.T. -0.344 min

Lab File: BG056947.D

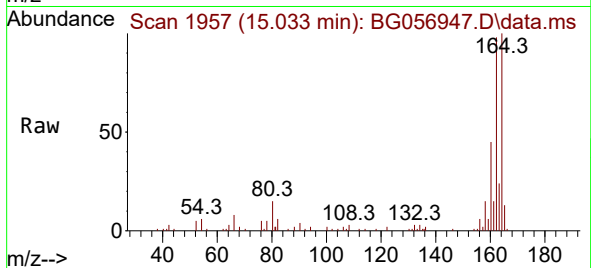
Acq: 31 Mar 2023 16:54

Instrument :

BNA_G

ClientSampleId :

PB151350BL



Tgt Ion:165 Resp: 6411

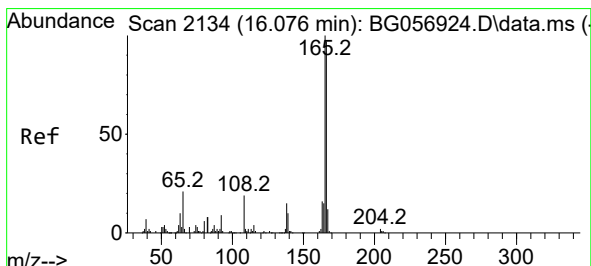
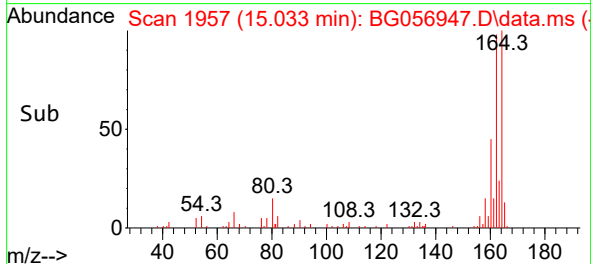
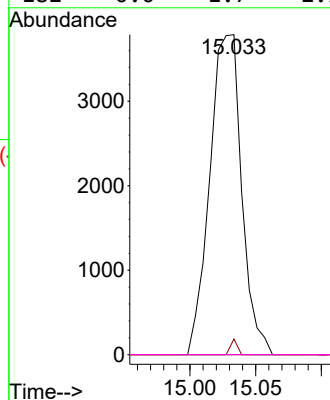
Ion Ratio Lower Upper

165 100

63 4.9 37.7 56.5#

89 0.0 63.2 94.8#

182 0.0 1.7 2.5#



#58

Fluorene

Concen: 0.671 ng

RT: 16.502 min Scan# 2207

Delta R.T. 0.426 min

Lab File: BG056947.D

Acq: 31 Mar 2023 16:54

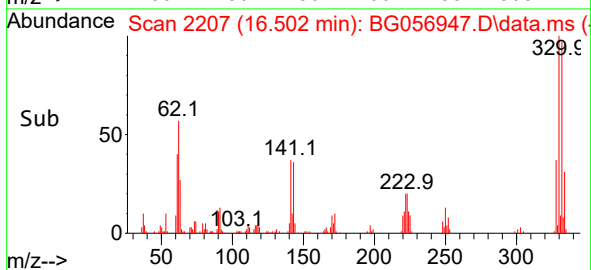
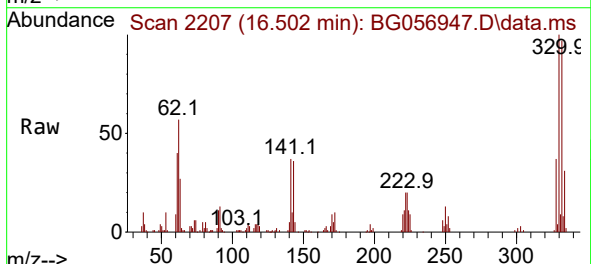
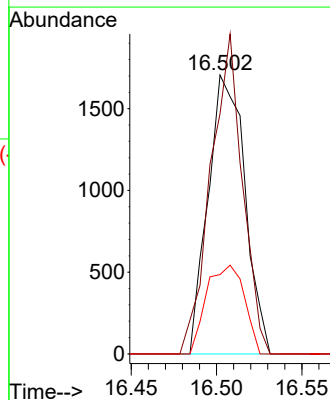
Tgt Ion:166 Resp: 2553

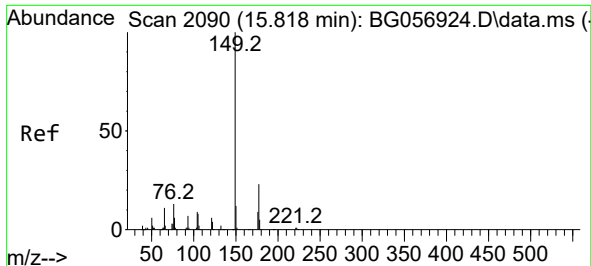
Ion Ratio Lower Upper

166 100

165 86.2 82.6 123.8

167 28.4 10.2 15.2#

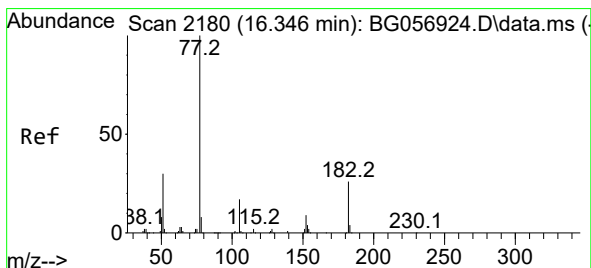
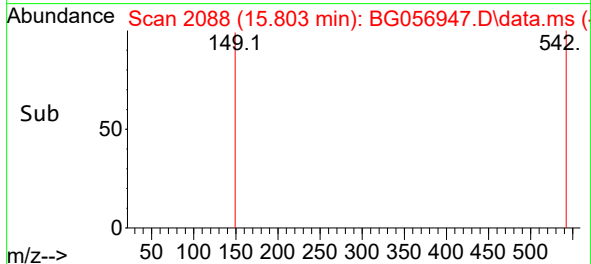
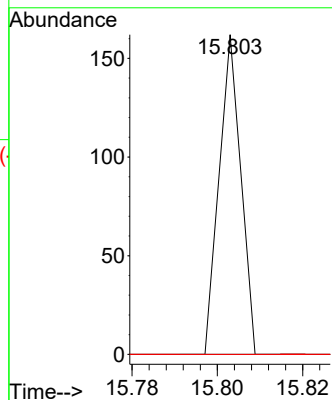
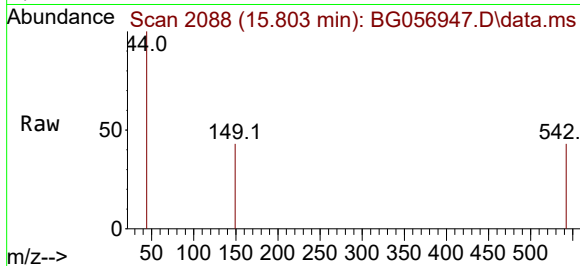




#60
Diethylphthalate
Concen: 0.014 ng
RT: 15.803 min Scan# 2090
Delta R.T. -0.015 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

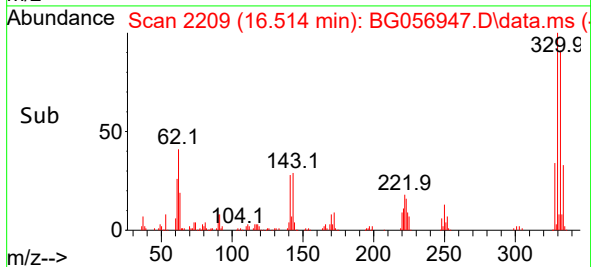
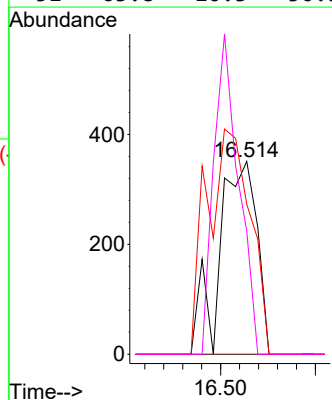
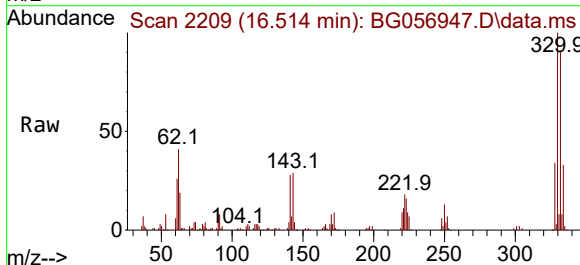
Instrument :
BNA_G
ClientSampleId :
PB151350BL

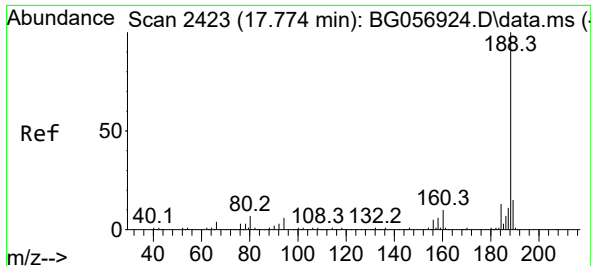
Tgt Ion:149 Resp: 57
Ion Ratio Lower Upper
149 100
177 0.0 18.8 28.2#
150 0.0 9.4 14.2#



#63
Azobenzene
Concen: 0.124 ng
RT: 16.514 min Scan# 2209
Delta R.T. 0.167 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

Tgt Ion: 77 Resp: 487
Ion Ratio Lower Upper
77 100
182 0.0 5.9 45.9#
105 77.8 0.0 36.8#
51 63.8 10.3 50.3#

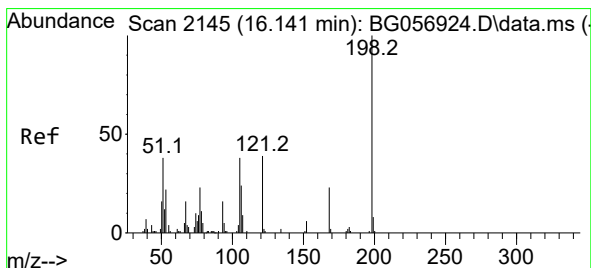
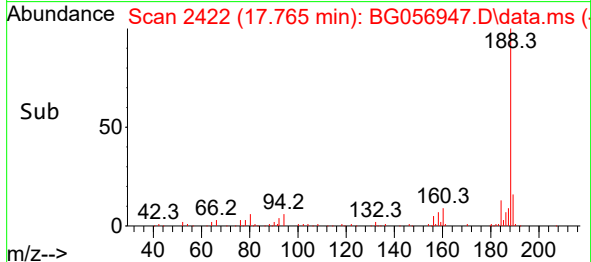
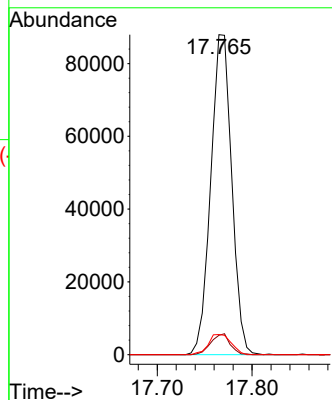
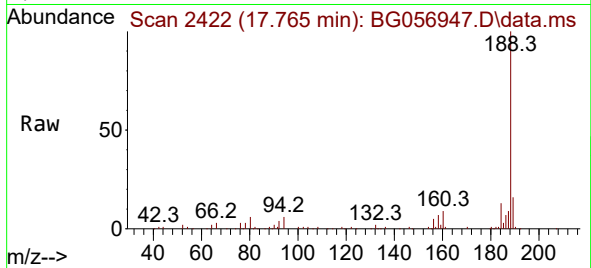




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.765 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

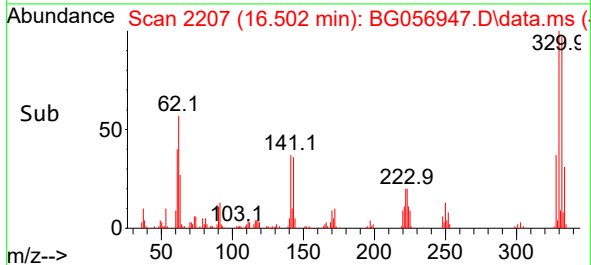
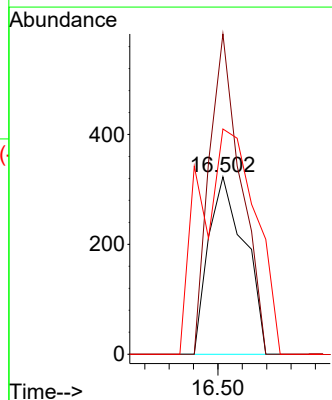
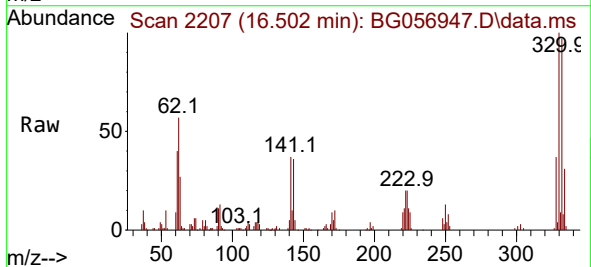
Instrument :
BNA_G
ClientSampleId :
PB151350BL

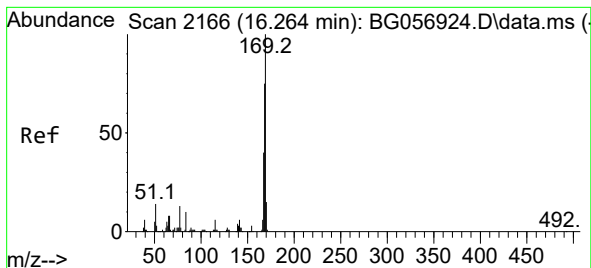
Tgt Ion:188 Resp: 135074
Ion Ratio Lower Upper
188 100
94 6.0 4.6 6.8
80 6.3 5.5 8.3



#65
4,6-Dinitro-2-methylphenol
Concen: 0.407 ng
RT: 16.502 min Scan# 2207
Delta R.T. 0.361 min
Lab File: BG056947.D
Acq: 31 Mar 2023 16:54

Tgt Ion:198 Resp: 333
Ion Ratio Lower Upper
198 100
51 180.5 20.5 60.5#
105 126.9 18.1 58.1#





#66

n-Nitrosodiphenylamine

Concen: 0.931 ng

RT: 16.508 min Scan# 21

Delta R.T. 0.244 min

Lab File: BG056947.D

Acq: 31 Mar 2023 16:54

Instrument :

BNA_G

ClientSampleId :

PB151350BL

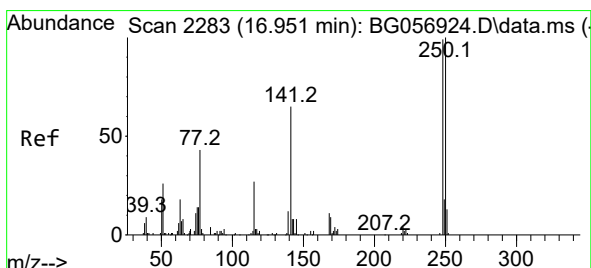
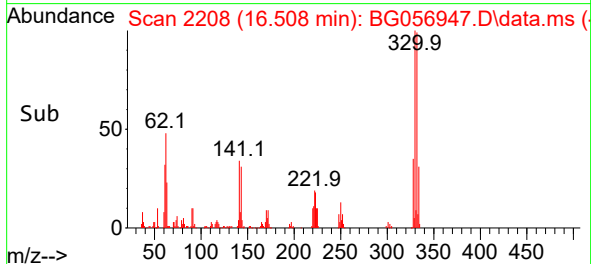
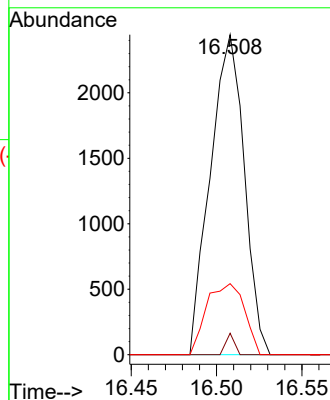
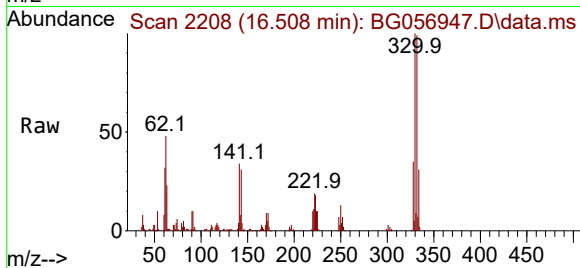
Tgt Ion:169 Resp: 3376

Ion Ratio Lower Upper

169 100

168 6.7 59.6 89.4#

167 22.2 31.8 47.8#



#67

4-Bromophenyl-phenylether

Concen: 3.857 ng

RT: 16.508 min Scan# 2208

Delta R.T. -0.444 min

Lab File: BG056947.D

Acq: 31 Mar 2023 16:54

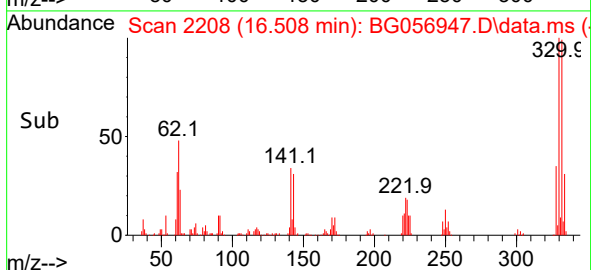
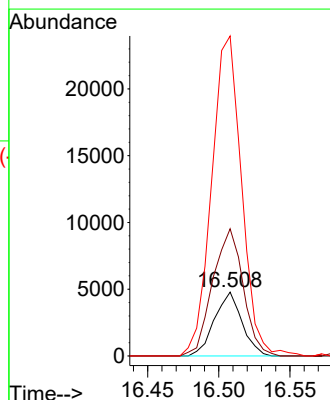
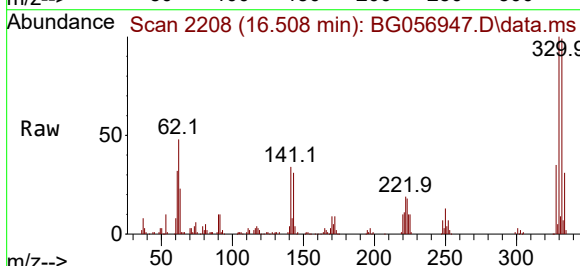
Tgt Ion:248 Resp: 6447

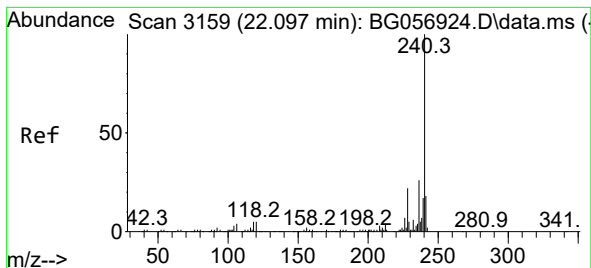
Ion Ratio Lower Upper

248 100

250 199.2 80.5 120.7#

141 501.2 52.0 78.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.089 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG056947.D

Acq: 31 Mar 2023 16:54

Instrument :

BNA_G

ClientSampleId :

PB151350BL

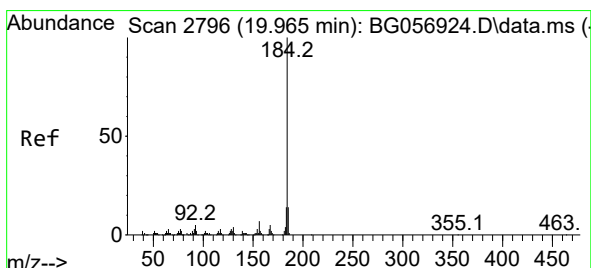
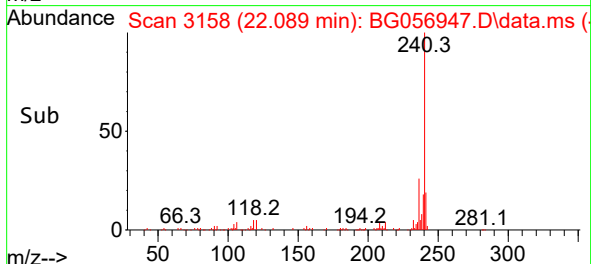
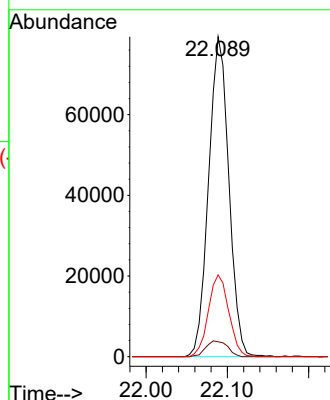
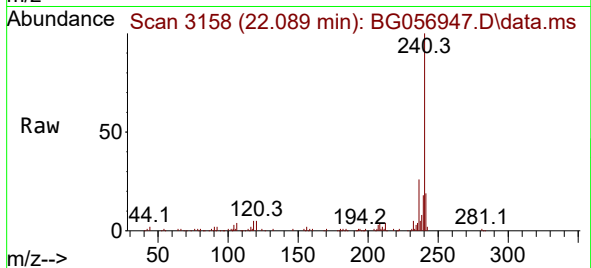
Tgt Ion:240 Resp: 137007

Ion Ratio Lower Upper

240 100

120 4.7 3.8 5.6

236 25.6 21.0 31.6



#77

Benzidine

Concen: 3.313 ng

RT: 20.338 min Scan# 2860

Delta R.T. 0.373 min

Lab File: BG056947.D

Acq: 31 Mar 2023 16:54

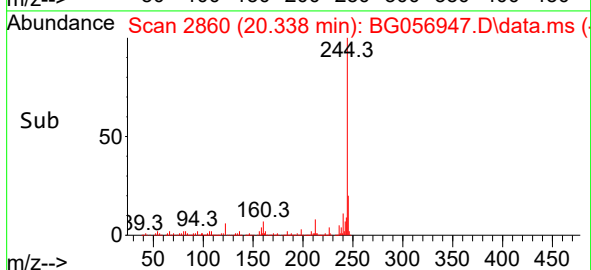
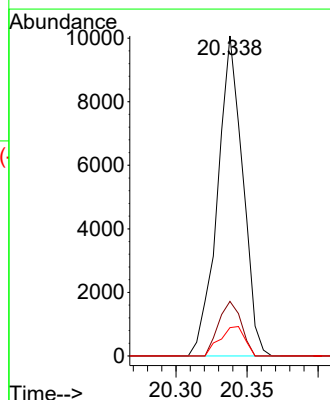
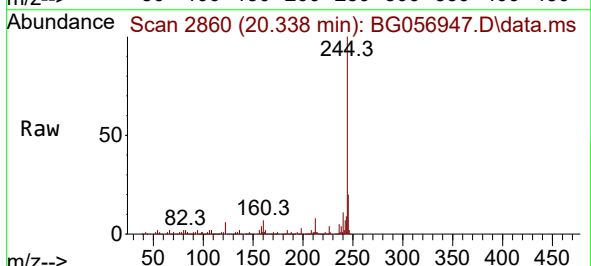
Tgt Ion:184 Resp: 12407

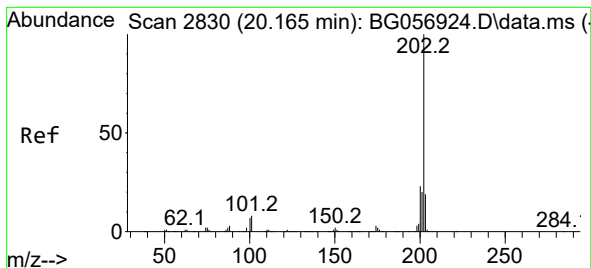
Ion Ratio Lower Upper

184 100

185 17.0 11.0 16.4#

183 8.8 11.4 17.0#





#78

Pyrene

Concen: 0.278 ng

RT: 20.338 min Scan# 2860

Delta R.T. 0.173 min

Lab File: BG056947.D

Acq: 31 Mar 2023 16:54

Instrument :

BNA_G

ClientSampleId :

PB151350BL

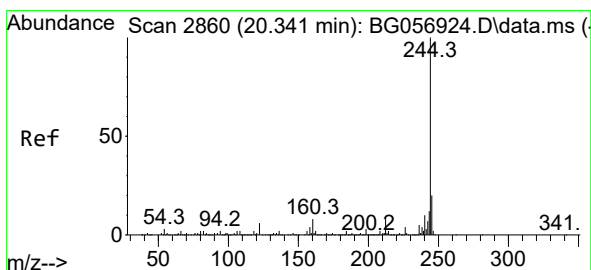
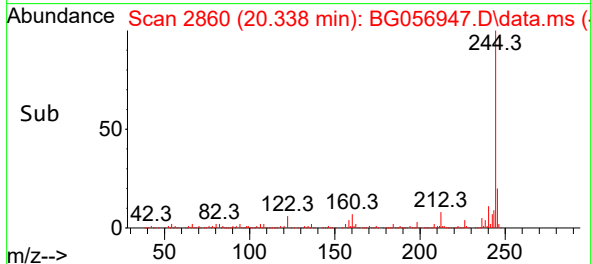
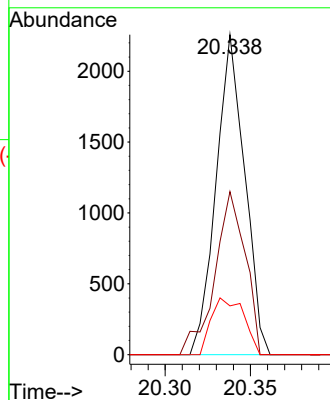
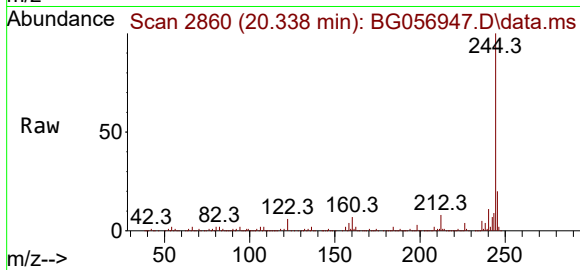
Tgt Ion:202 Resp: 2638

Ion Ratio Lower Upper

202 100

200 50.9 18.7 28.1#

203 15.2 15.4 23.2#



#79

Terphenyl-d14

Concen: 90.572 ng

RT: 20.338 min Scan# 2860

Delta R.T. -0.003 min

Lab File: BG056947.D

Acq: 31 Mar 2023 16:54

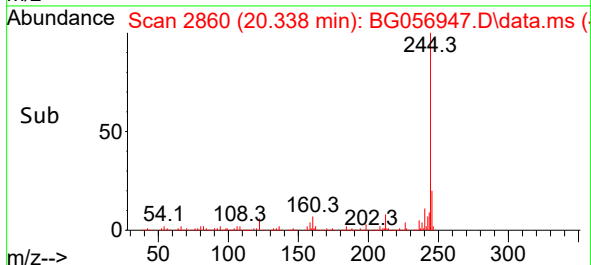
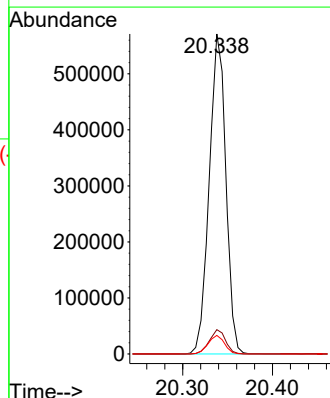
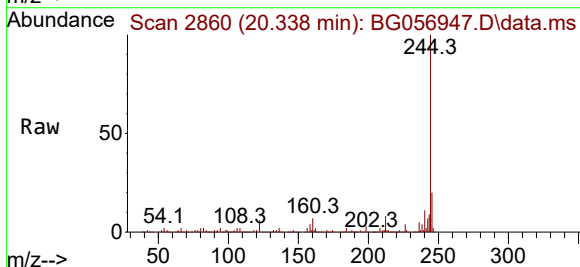
Tgt Ion:244 Resp: 733324

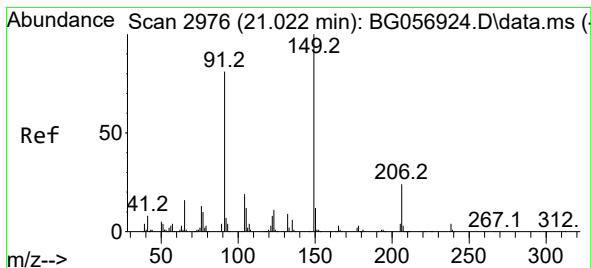
Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

122 5.8 5.0 7.4





#80

Butylbenzylphthalate

Concen: 0.017 ng

RT: 21.489 min Scan# 3056

Delta R.T. 0.467 min

Lab File: BG056947.D

Acq: 31 Mar 2023 16:54

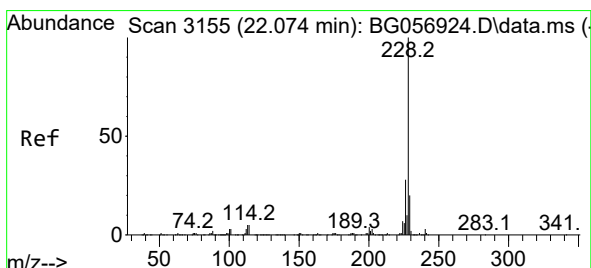
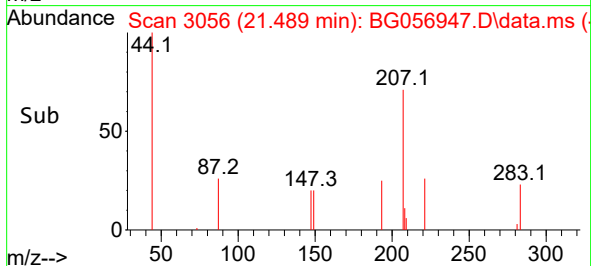
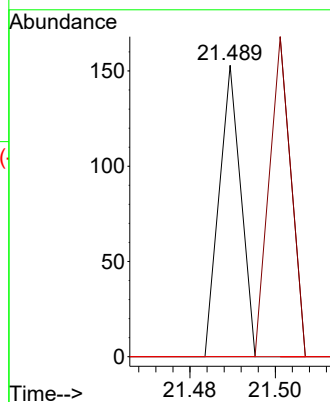
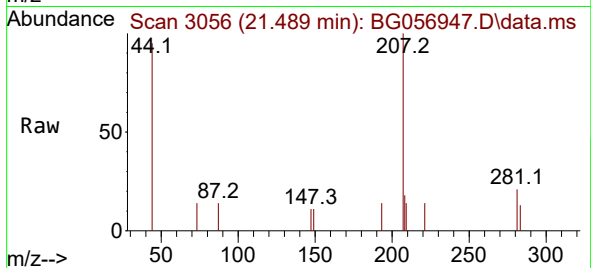
Instrument :

BNA_G

ClientSampleId :

PB151350BL

Tgt Ion:149	Resp:	54
Ion Ratio	Lower	Upper
149	100	
91	0.0	64.4 96.6#
206	0.0	18.9 28.3#



#81

Benzo(a)anthracene

Concen: 0.028 ng

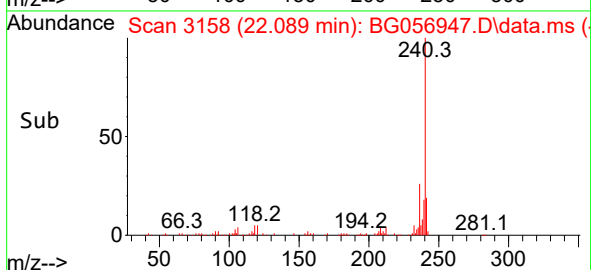
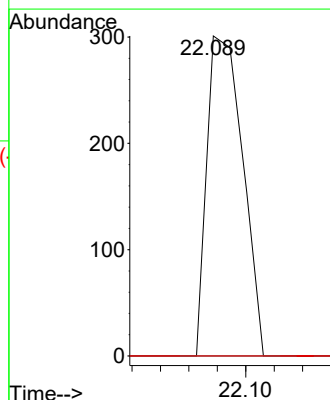
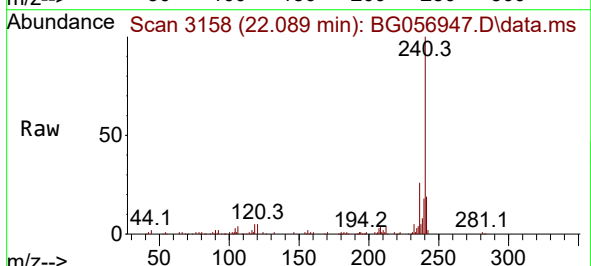
RT: 22.089 min Scan# 3158

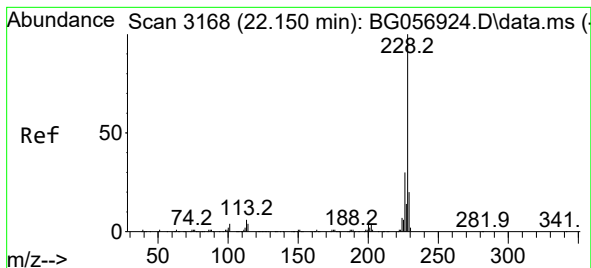
Delta R.T. 0.015 min

Lab File: BG056947.D

Acq: 31 Mar 2023 16:54

Tgt Ion:228	Resp:	263
Ion Ratio	Lower	Upper
228	100	
226	0.0	22.1 33.1#
229	0.0	16.1 24.1#





#83

Chrysene

Concen: 0.030 ng

RT: 22.089 min Scan# 31

Delta R.T. -0.062 min

Lab File: BG056947.D

Acq: 31 Mar 2023 16:54

Instrument :

BNA_G

ClientSampleId :

PB151350BL

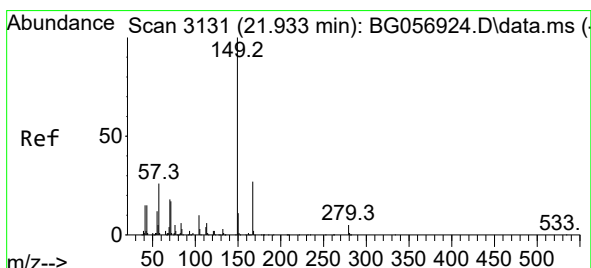
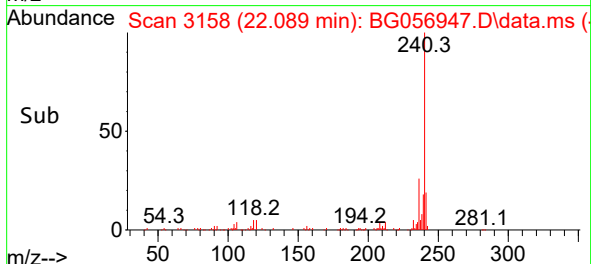
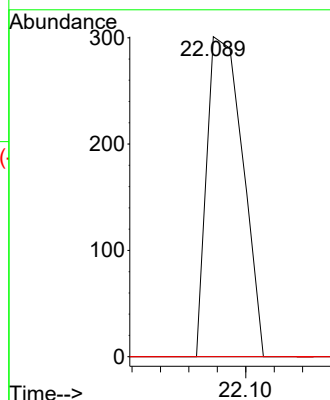
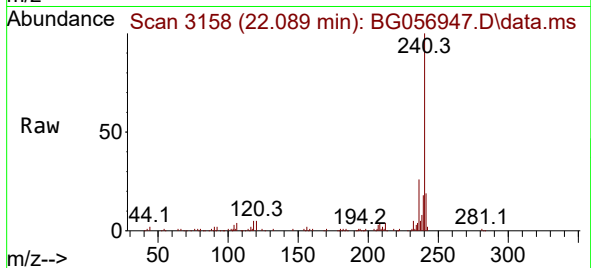
Tgt Ion:228 Resp: 263

Ion Ratio Lower Upper

228 100

226 0.0 24.1 36.1#

229 0.0 15.6 23.4#



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.013 ng

RT: 22.277 min Scan# 3190

Delta R.T. 0.344 min

Lab File: BG056947.D

Acq: 31 Mar 2023 16:54

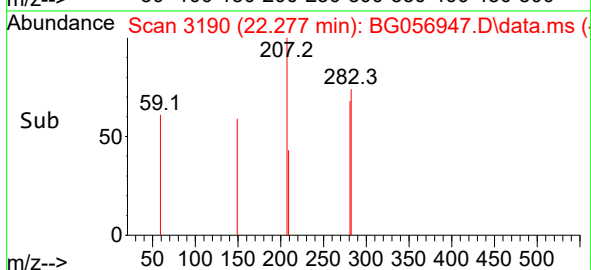
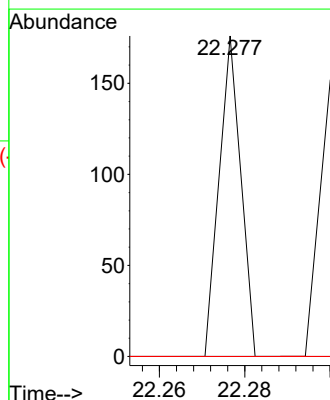
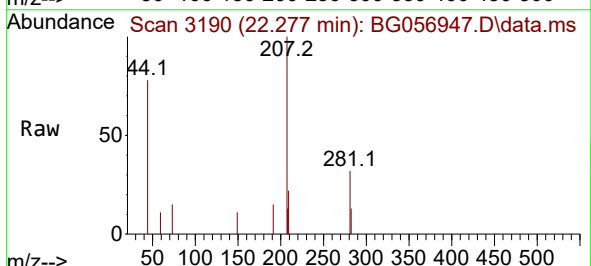
Tgt Ion:149 Resp: 62

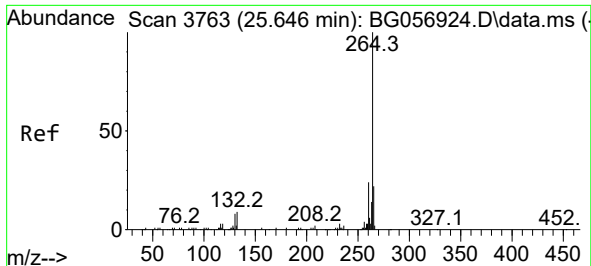
Ion Ratio Lower Upper

149 100

167 0.0 21.4 32.2#

279 0.0 3.9 5.9#

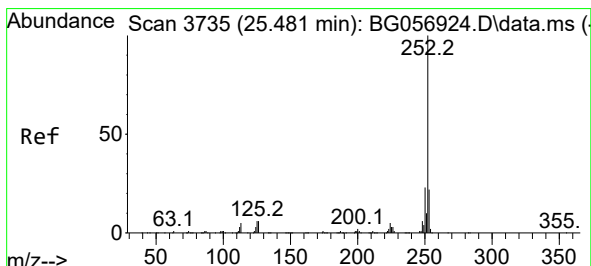
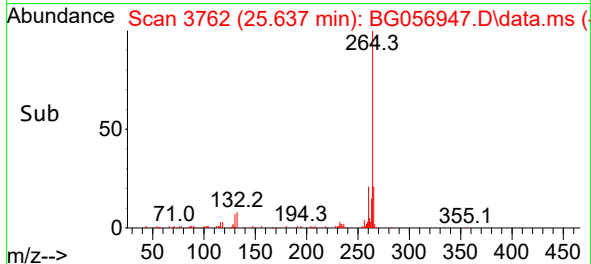
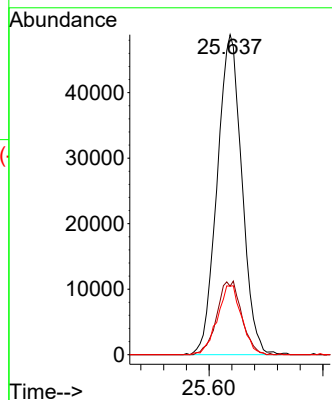
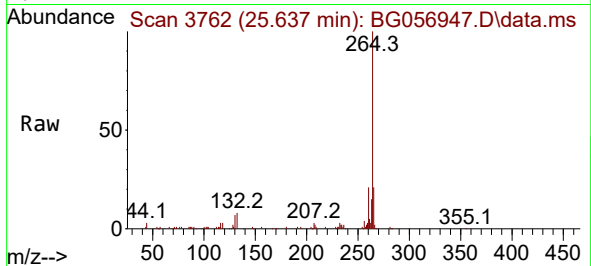




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.637 min Scan# 31
 Delta R.T. -0.009 min
 Lab File: BG056947.D
 Acq: 31 Mar 2023 16:54

Instrument :
 BNA_G
 ClientSampleId :
 PB151350BL

Tgt Ion:264 Resp: 147142
 Ion Ratio Lower Upper
 264 100
 260 21.4 19.0 28.4
 265 21.4 17.8 26.6



#90
 Benzo(a)pyrene
 Concen: 0.014 ng
 RT: 25.619 min Scan# 3759
 Delta R.T. 0.138 min
 Lab File: BG056947.D
 Acq: 31 Mar 2023 16:54

Tgt Ion:252 Resp: 125
 Ion Ratio Lower Upper
 252 100
 253 0.0 17.6 26.4#
 125 0.0 4.5 6.7#

