

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041323\
 Data File : BG057085.D
 Acq On : 13 Apr 2023 17:09
 Operator : CG/JU
 Sample : 02293-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-LIQ-FRAC-041123

Quant Time: Apr 13 18:14:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 13 05:15:23 2023
 Response via : Initial Calibration

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

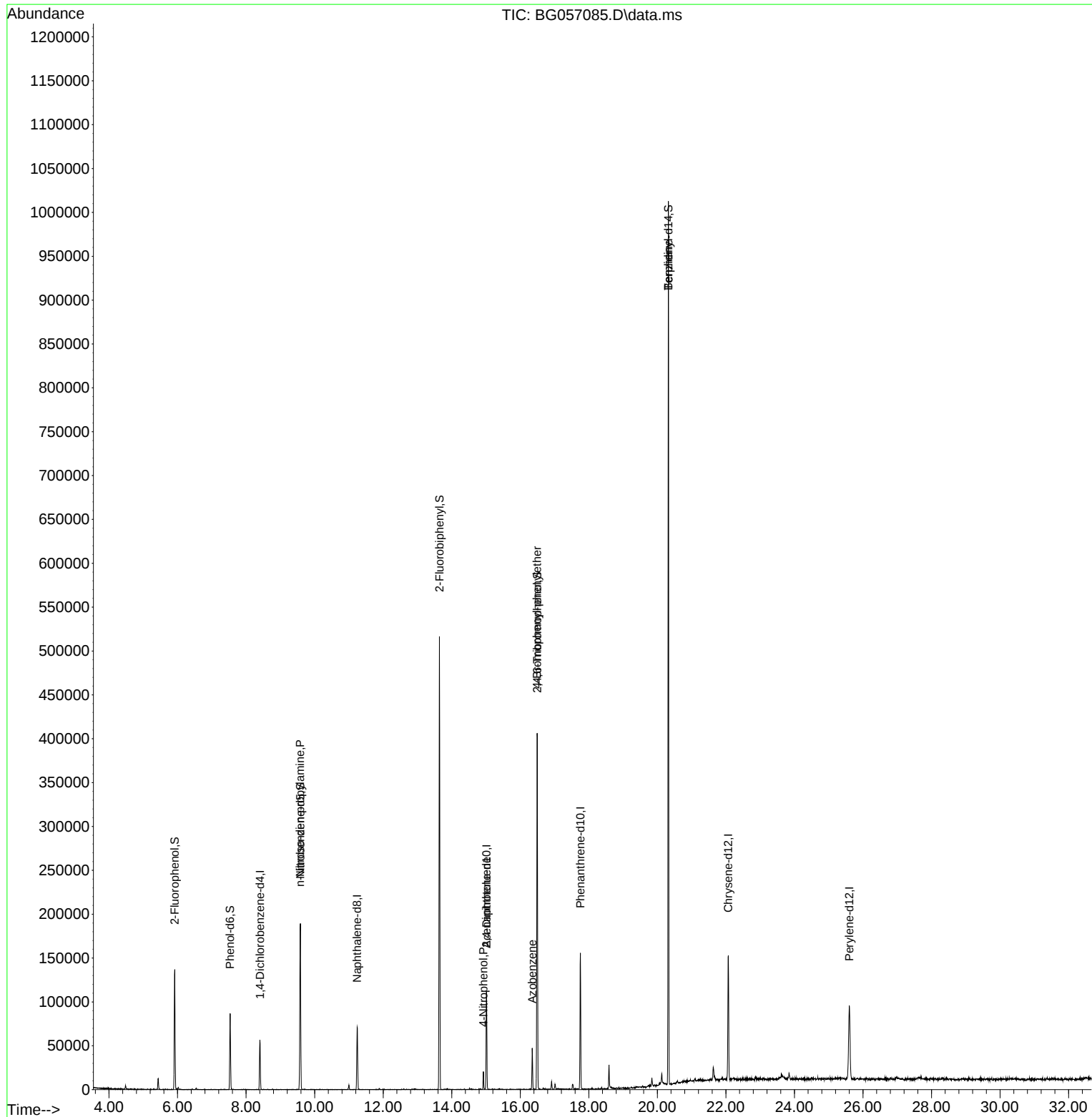
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.408	152	14944	20.000	ng	0.00
21) Naphthalene-d8	11.239	136	57293	20.000	ng	0.00
39) Acenaphthene-d10	15.016	164	40174	20.000	ng	0.00
64) Phenanthrene-d10	17.754	188	97971	20.000	ng	0.00
76) Chrysene-d12	22.066	240	91790	20.000	ng	-0.02
86) Perylene-d12	25.602	264	101355	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.917	112	57597	61.684	ng	0.00
7) Phenol-d6	7.532	99	48868	34.993	ng	0.00
23) Nitrobenzene-d5	9.583	82	119619	85.430	ng	0.00
42) 2,4,6-Tribromophenol	16.497	330	83875	130.689	ng	0.00
45) 2-Fluorobiphenyl	13.642	172	256403	86.545	ng	0.00
79) Terphenyl-d14	20.321	244	479178	88.337	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.577	70	16164	16.182	ng	# 82
56) 4-Nitrophenol	14.922	139	1157	2.311	ng	# 1
57) 2,4-Dinitrotoluene	15.011	165	5153	5.342	ng	# 18
63) Azobenzene	16.350	77	13517	4.274	ng	# 1
67) 4-Bromophenyl-phenylether	16.491	248	5157	4.254	ng	# 1
77) Benzidine	20.321	184	7702	3.070	ng	# 92

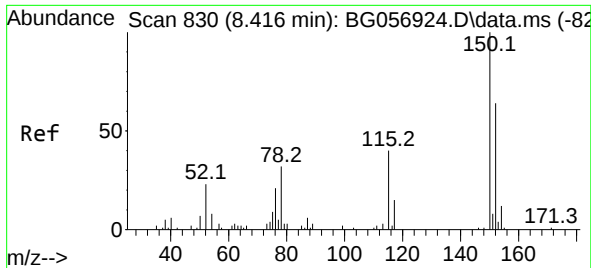
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 13 18:14:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 13 05:15:23 2023
Response via : Initial Calibration

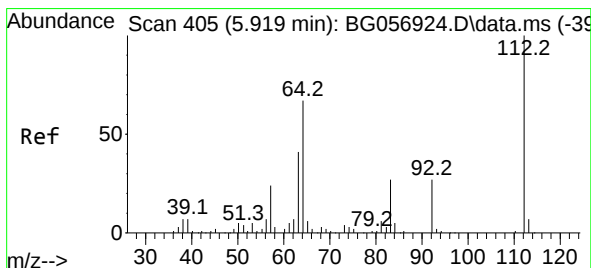
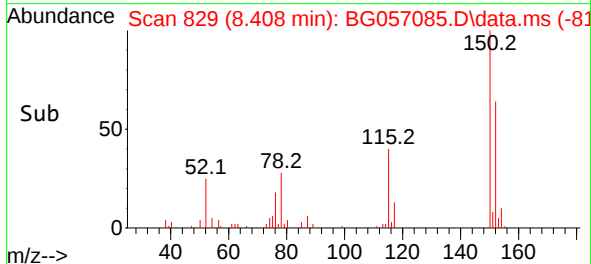
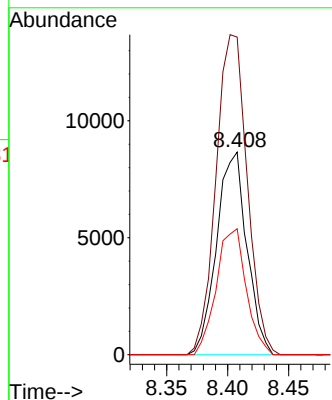
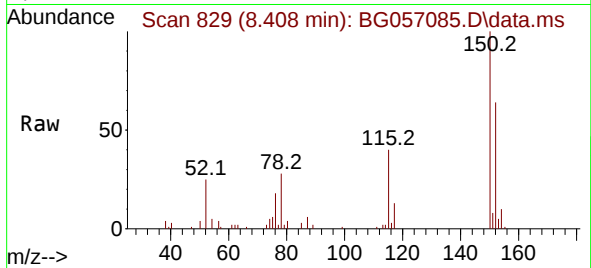




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.408 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057085.D
Acq: 13 Apr 2023 17:09

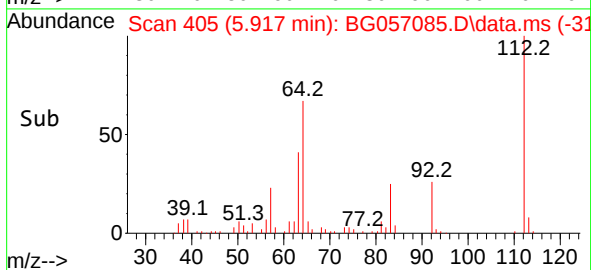
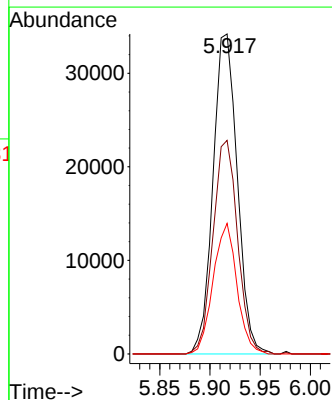
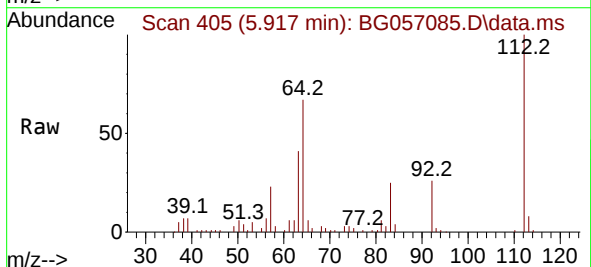
Instrument :
BNA_G
ClientSampleId :
IDW-LIQ-FRAC-041123

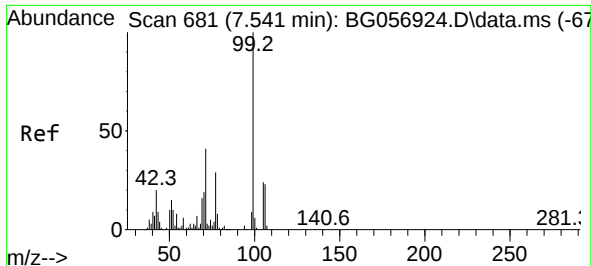
Tgt Ion:152 Resp: 14944
Ion Ratio Lower Upper
152 100
150 156.8 124.1 186.1
115 62.2 49.1 73.7



#5
2-Fluorophenol
Concen: 61.684 ng
RT: 5.917 min Scan# 405
Delta R.T. 0.002 min
Lab File: BG057085.D
Acq: 13 Apr 2023 17:09

Tgt Ion:112 Resp: 57597
Ion Ratio Lower Upper
112 100
64 66.8 53.2 79.8
63 40.8 32.6 48.8

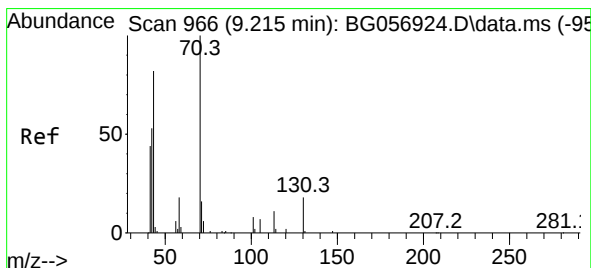
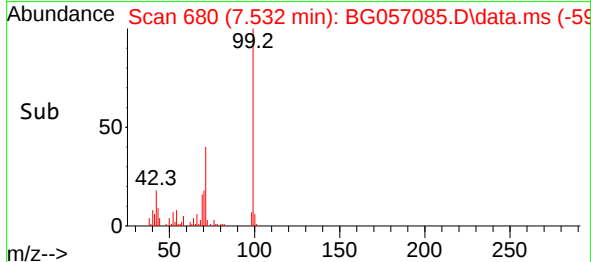
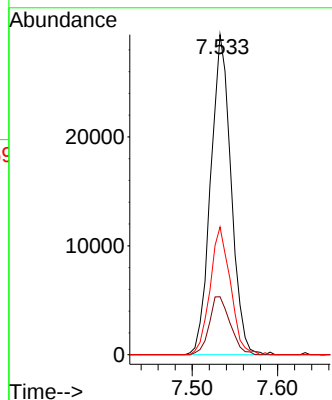
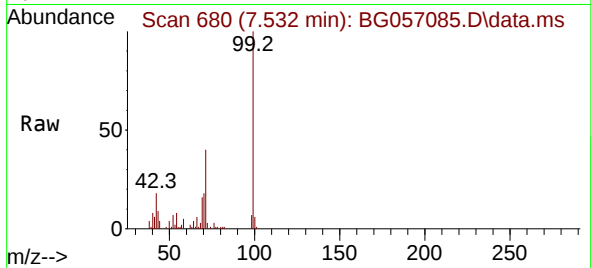




#7
Phenol-d6
Concen: 34.993 ng
RT: 7.532 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057085.D
Acq: 13 Apr 2023 17:09

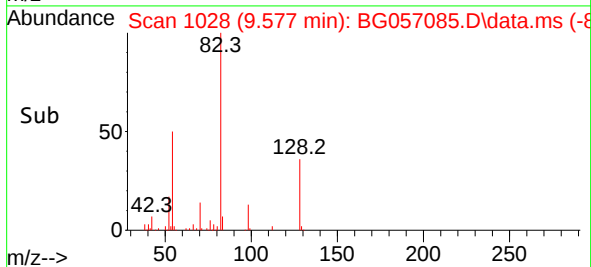
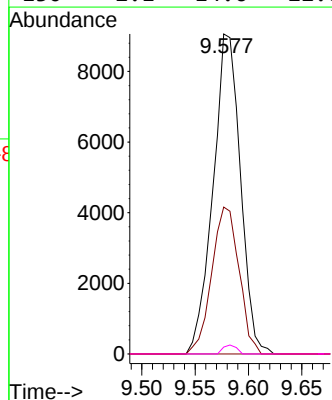
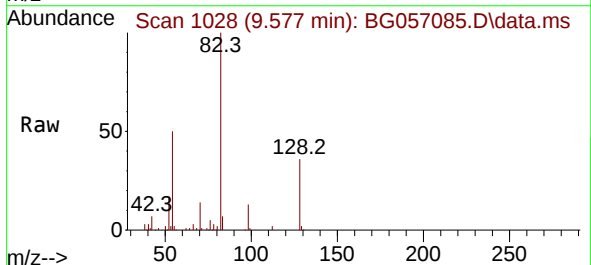
Instrument :
BNA_G
ClientSampleId :
IDW-LIQ-FRAC-041123

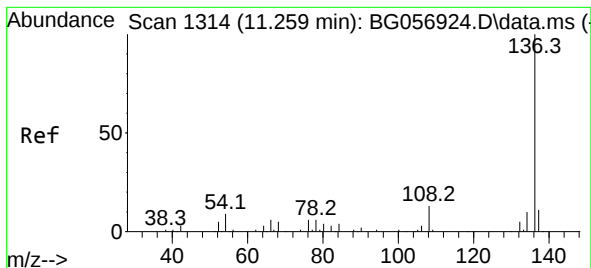
Tgt Ion: 99 Resp: 48868
Ion Ratio Lower Upper
99 100
42 18.1 15.7 23.5
71 39.9 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 16.182 ng
RT: 9.577 min Scan# 1028
Delta R.T. 0.367 min
Lab File: BG057085.D
Acq: 13 Apr 2023 17:09

Tgt Ion: 70 Resp: 16164
Ion Ratio Lower Upper
70 100
42 45.9 43.4 65.0
101 0.0 6.2 9.2#
130 2.1 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.239 min Scan# 11

Delta R.T. -0.009 min

Lab File: BG057085.D

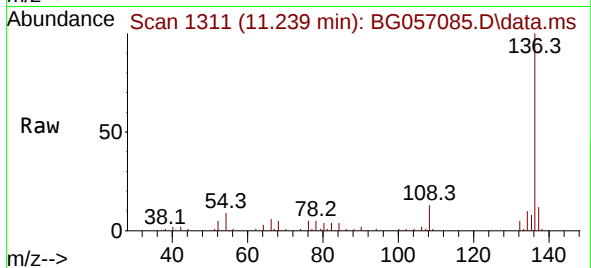
Acq: 13 Apr 2023 17:09

Instrument :

BNA_G

ClientSampleId :

IDW-LIQ-FRAC-041123



Tgt Ion:136 Resp: 57293

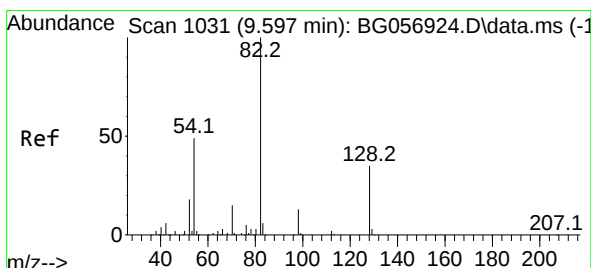
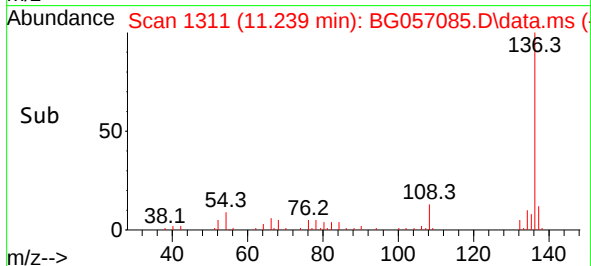
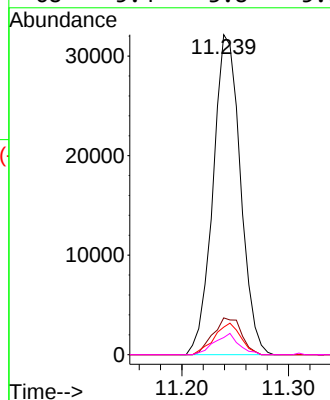
Ion Ratio Lower Upper

136 100

137 11.5 8.6 13.0

54 8.6 6.9 10.3

68 5.4 3.8 5.6



#23

Nitrobenzene-d5

Concen: 85.430 ng

RT: 9.583 min Scan# 1029

Delta R.T. -0.003 min

Lab File: BG057085.D

Acq: 13 Apr 2023 17:09

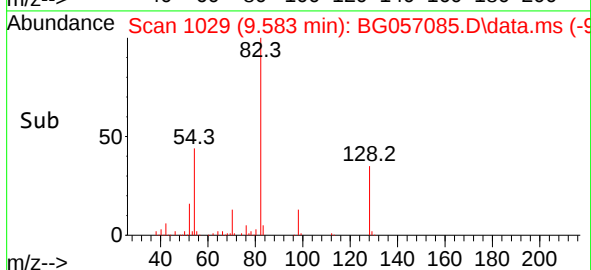
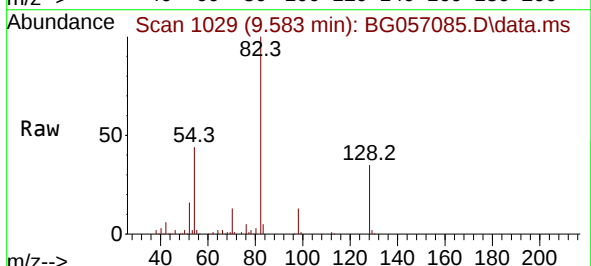
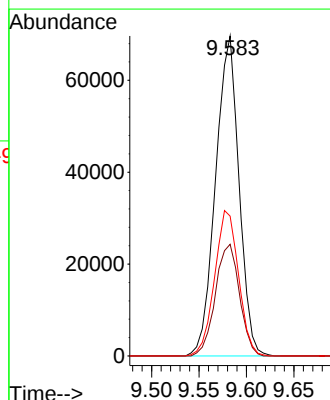
Tgt Ion: 82 Resp: 119619

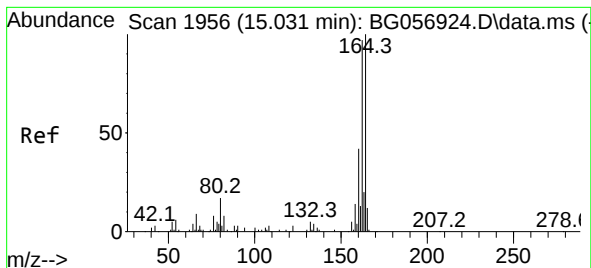
Ion Ratio Lower Upper

82 100

128 34.9 27.9 41.9

54 43.7 39.4 59.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.016 min Scan# 1954

Delta R.T. -0.003 min

Lab File: BG057085.D

Acq: 13 Apr 2023 17:09

Instrument :

BNA_G

ClientSampleId :

IDW-LIQ-FRAC-041123

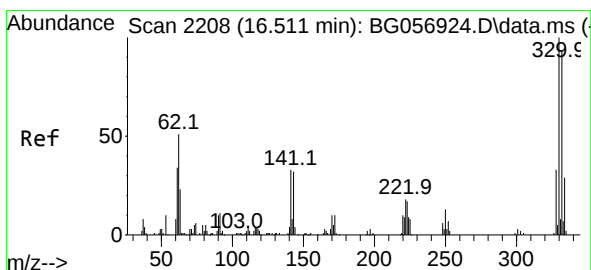
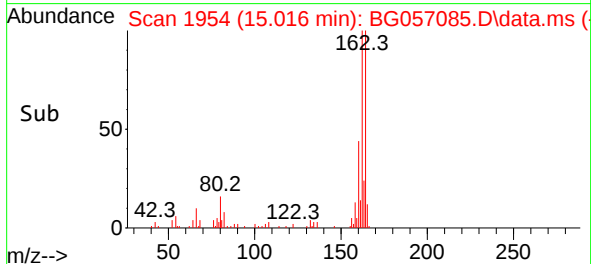
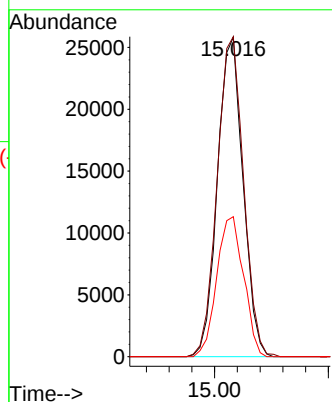
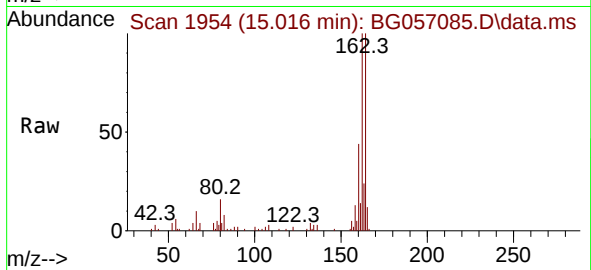
Tgt Ion:164 Resp: 40174

Ion Ratio Lower Upper

164 100

162 100.2 77.8 116.8

160 43.8 33.5 50.3



#42

2,4,6-Tribromophenol

Concen: 130.689 ng

RT: 16.497 min Scan# 2206

Delta R.T. -0.003 min

Lab File: BG057085.D

Acq: 13 Apr 2023 17:09

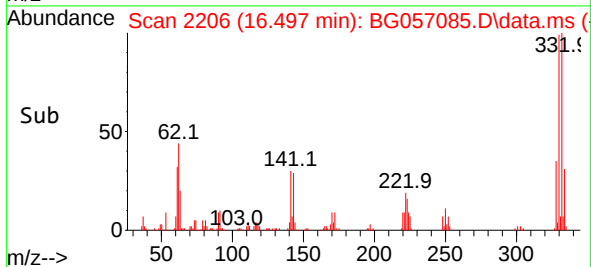
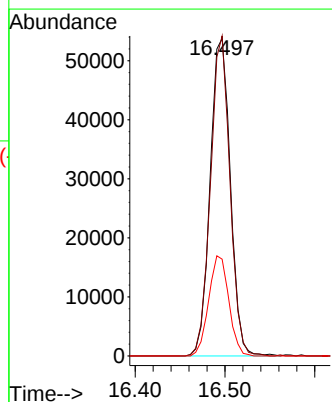
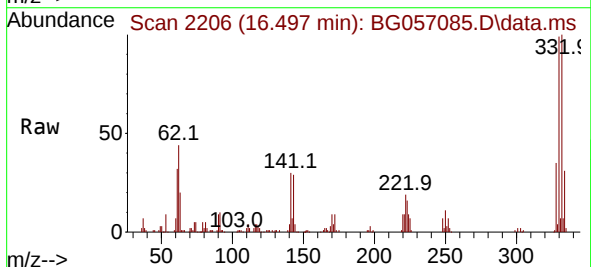
Tgt Ion:330 Resp: 83875

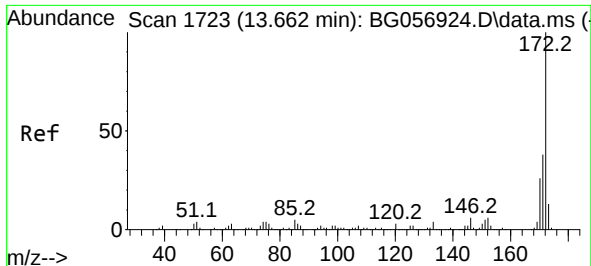
Ion Ratio Lower Upper

330 100

332 97.0 76.1 114.1

141 31.4 25.8 38.6

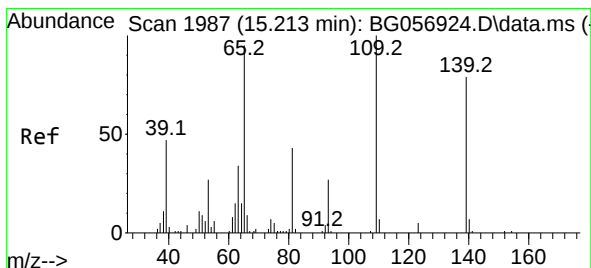
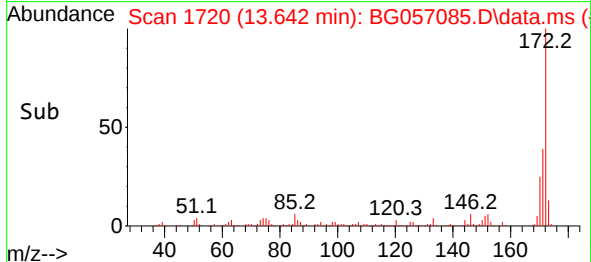
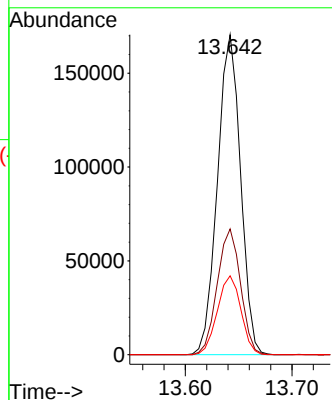
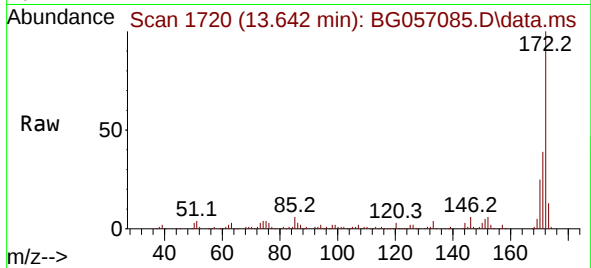




#45
2-Fluorobiphenyl
Concen: 86.545 ng
RT: 13.642 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057085.D
Acq: 13 Apr 2023 17:09

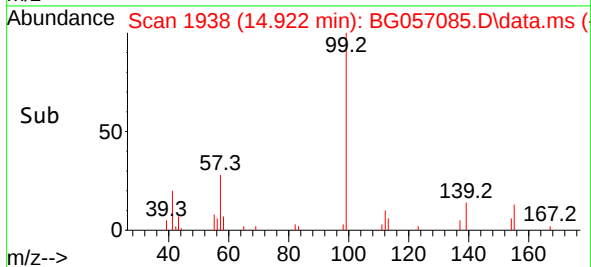
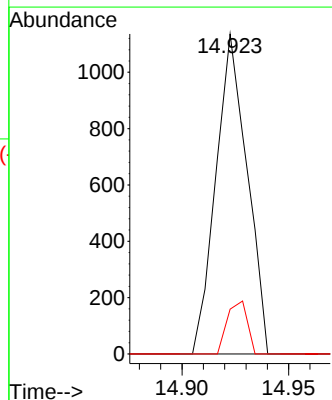
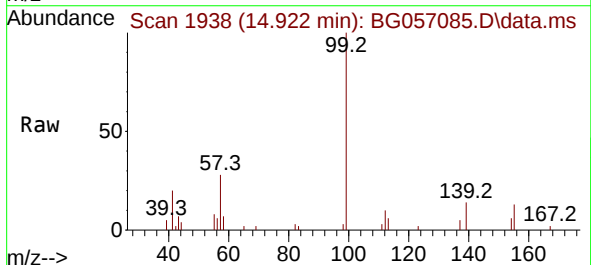
Instrument :
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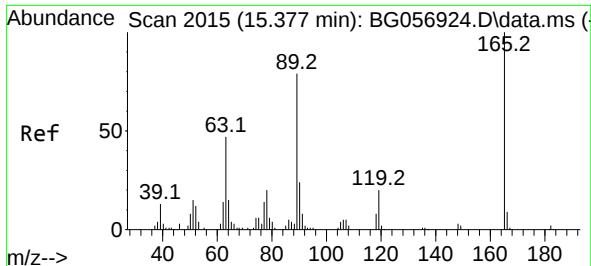
Tgt Ion:172 Resp: 256403
Ion Ratio Lower Upper
172 100
171 39.3 30.6 46.0
170 24.6 20.6 30.8



#56
4-Nitrophenol
Concen: 2.311 ng
RT: 14.922 min Scan# 1938
Delta R.T. -0.285 min
Lab File: BG057085.D
Acq: 13 Apr 2023 17:09

Tgt Ion:139 Resp: 1157
Ion Ratio Lower Upper
139 100
109 0.0 106.7 146.7#
65 14.0 100.5 140.5#





#57

2,4-Dinitrotoluene

Concen: 5.342 ng

RT: 15.011 min Scan# 1953

Delta R.T. -0.356 min

Lab File: BG057085.D

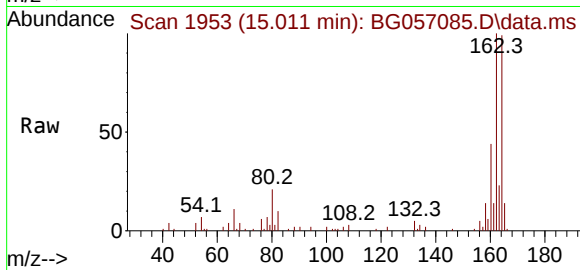
Acq: 13 Apr 2023 17:09

Instrument :

BNA_G

ClientSampleId :

IDW-LIQ-FRAC-041123



Tgt Ion:165 Resp: 5153

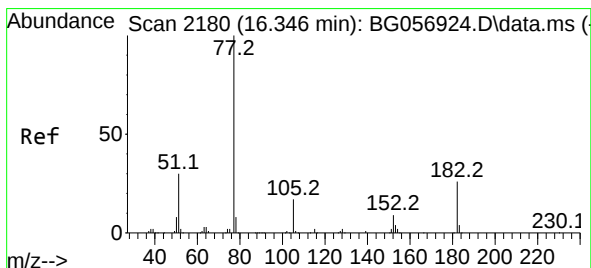
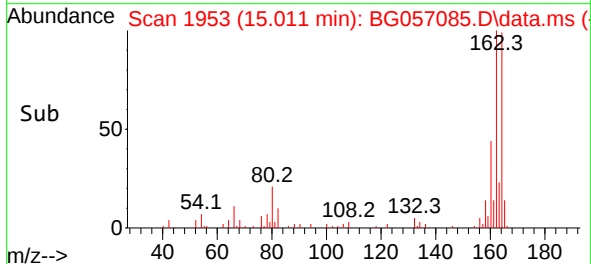
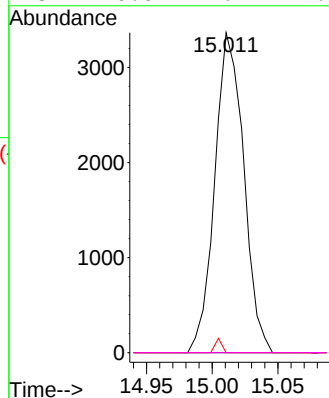
Ion Ratio Lower Upper

165 100

63 0.0 37.7 56.5#

89 0.0 63.2 94.8#

182 0.0 1.7 2.5#



#63

Azobenzene

Concen: 4.274 ng

RT: 16.350 min Scan# 2181

Delta R.T. 0.014 min

Lab File: BG057085.D

Acq: 13 Apr 2023 17:09

Tgt Ion: 77 Resp: 13517

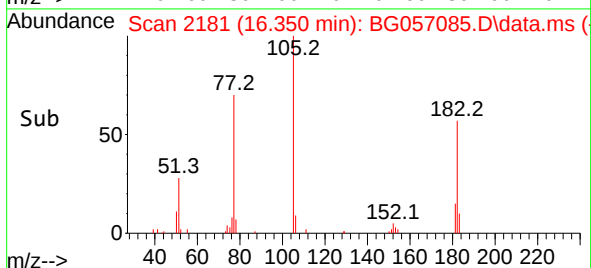
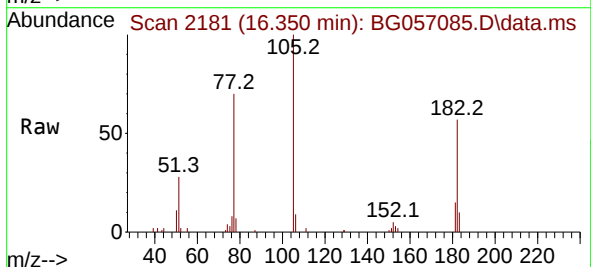
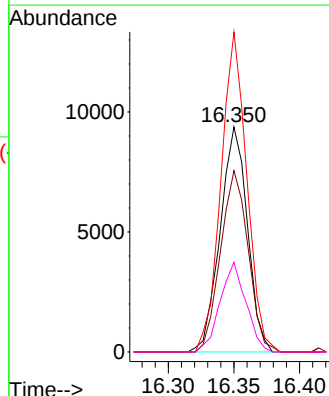
Ion Ratio Lower Upper

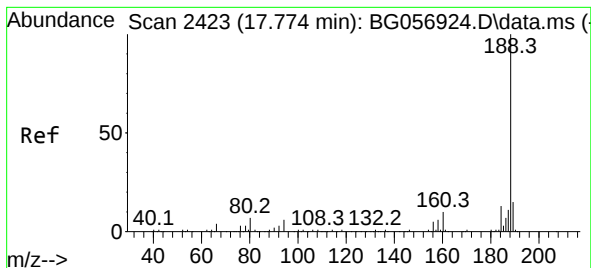
77 100

182 80.6 5.9 45.9#

105 142.3 0.0 36.8#

51 39.9 10.3 50.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.754 min Scan# 24

Delta R.T. -0.009 min

Lab File: BG057085.D

Acq: 13 Apr 2023 17:09

Instrument :

BNA_G

ClientSampleId :

IDW-LIQ-FRAC-041123

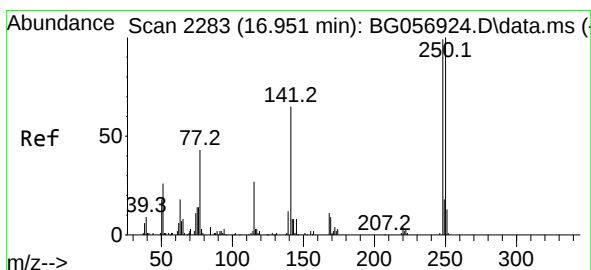
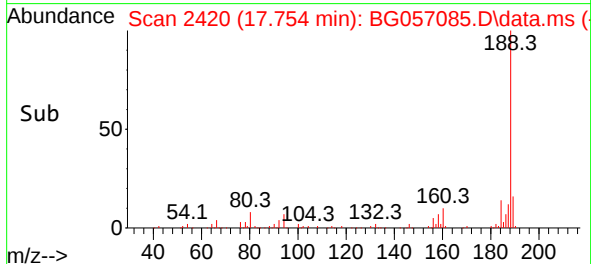
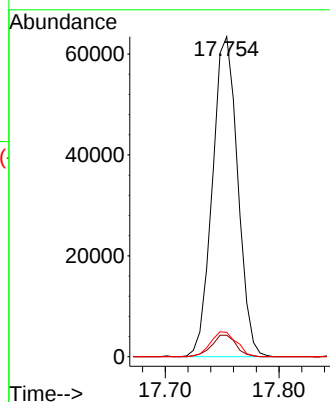
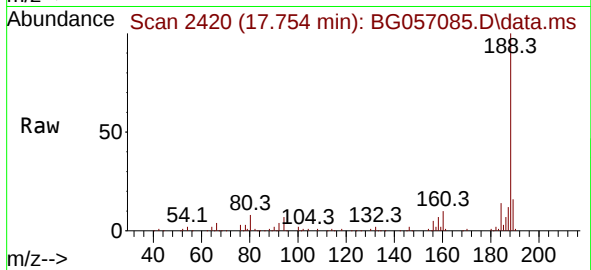
Tgt Ion:188 Resp: 97971

Ion Ratio Lower Upper

188 100

94 6.7 4.6 6.8

80 7.6 5.5 8.3



#67

4-Bromophenyl-phenylether

Concen: 4.254 ng

RT: 16.491 min Scan# 2205

Delta R.T. -0.444 min

Lab File: BG057085.D

Acq: 13 Apr 2023 17:09

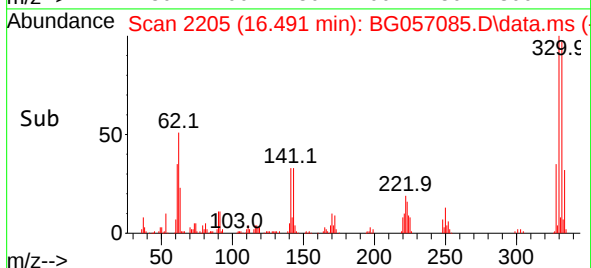
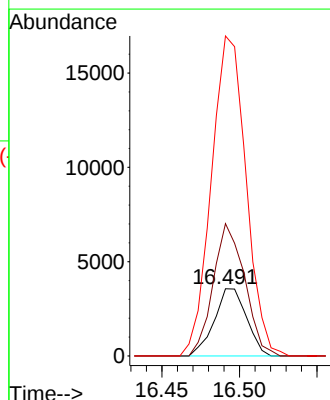
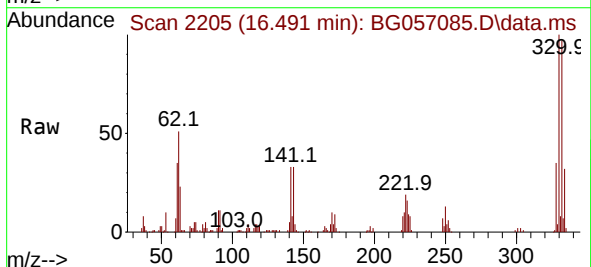
Tgt Ion:248 Resp: 5157

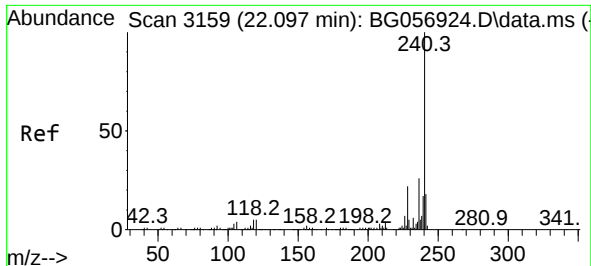
Ion Ratio Lower Upper

248 100

250 196.9 80.5 120.7#

141 476.2 52.0 78.0#

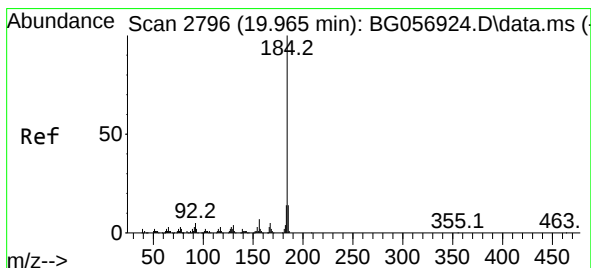
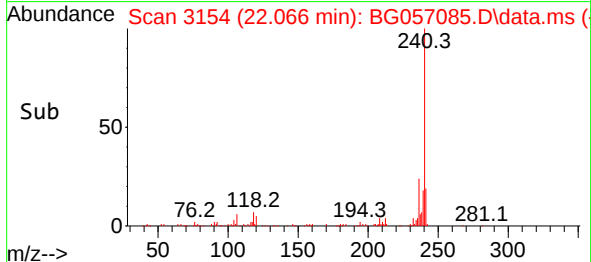
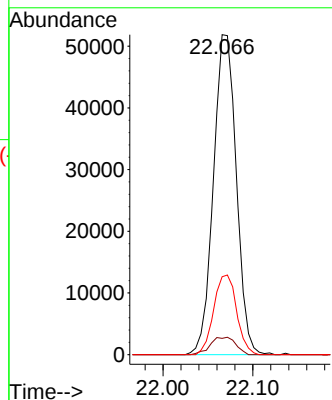
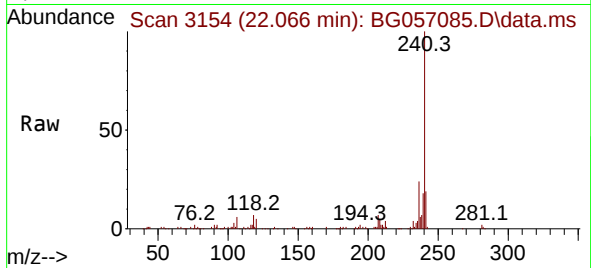




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.066 min Scan# 3159
Delta R.T. -0.015 min
Lab File: BG057085.D
Acq: 13 Apr 2023 17:09

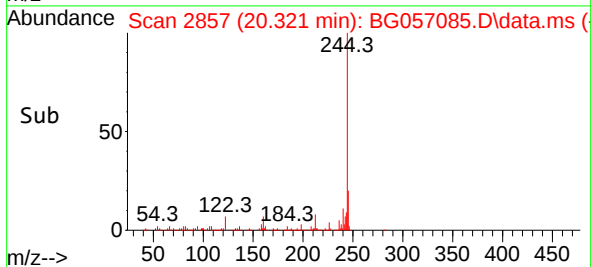
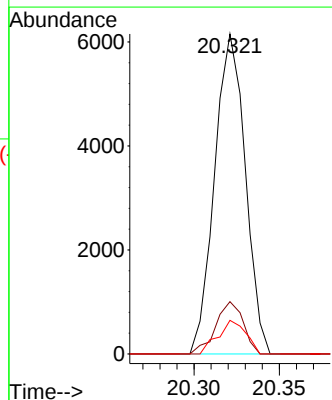
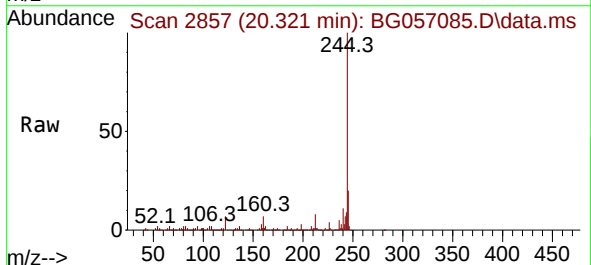
Instrument :
BNA_G
ClientSampleId :
IDW-LIQ-FRAC-041123

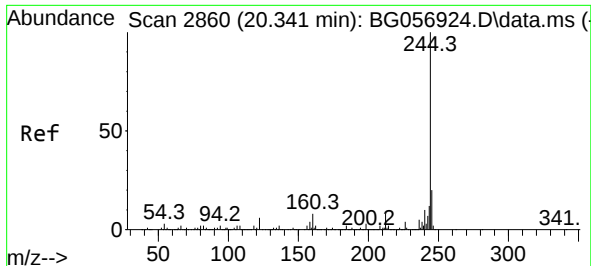
Tgt Ion:240 Resp: 91790
Ion Ratio Lower Upper
240 100
120 5.1 3.8 5.6
236 24.4 21.0 31.6



#77
Benzidine
Concen: 3.070 ng
RT: 20.321 min Scan# 2857
Delta R.T. 0.367 min
Lab File: BG057085.D
Acq: 13 Apr 2023 17:09

Tgt Ion:184 Resp: 7702
Ion Ratio Lower Upper
184 100
185 16.3 11.0 16.4
183 10.5 11.4 17.0#

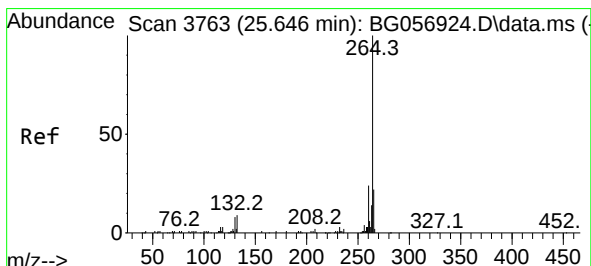
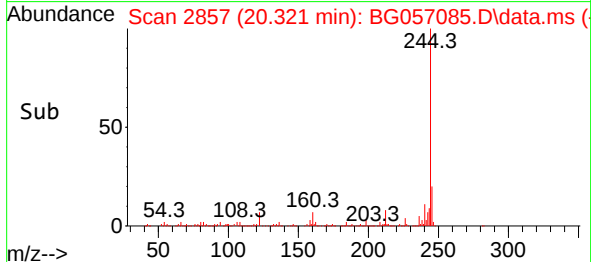
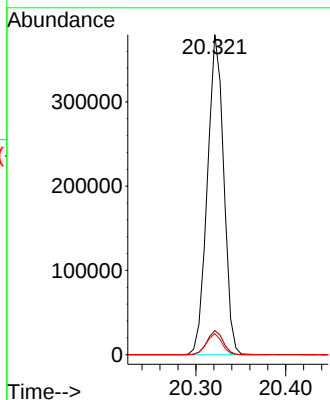
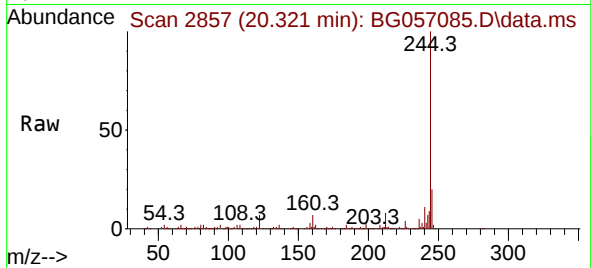




#79
 Terphenyl-d14
 Concen: 88.337 ng
 RT: 20.321 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG057085.D
 Acq: 13 Apr 2023 17:09

Instrument :
 BNA_G
 ClientSampleId :
 IDW-LIQ-FRAC-041123

Tgt Ion:244 Resp: 479178
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 6.6 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.602 min Scan# 3756
 Delta R.T. -0.009 min
 Lab File: BG057085.D
 Acq: 13 Apr 2023 17:09

Tgt Ion:264 Resp: 101355
 Ion Ratio Lower Upper
 264 100
 260 22.3 19.0 28.4
 265 21.2 17.8 26.6

