

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
 Data File : BG056696.D
 Acq On : 22 Feb 2023 13:50
 Operator : CG/JU
 Sample : 01640-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: Feb 22 17:16:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 22 14:34:57 2023
 Response via : Initial Calibration

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

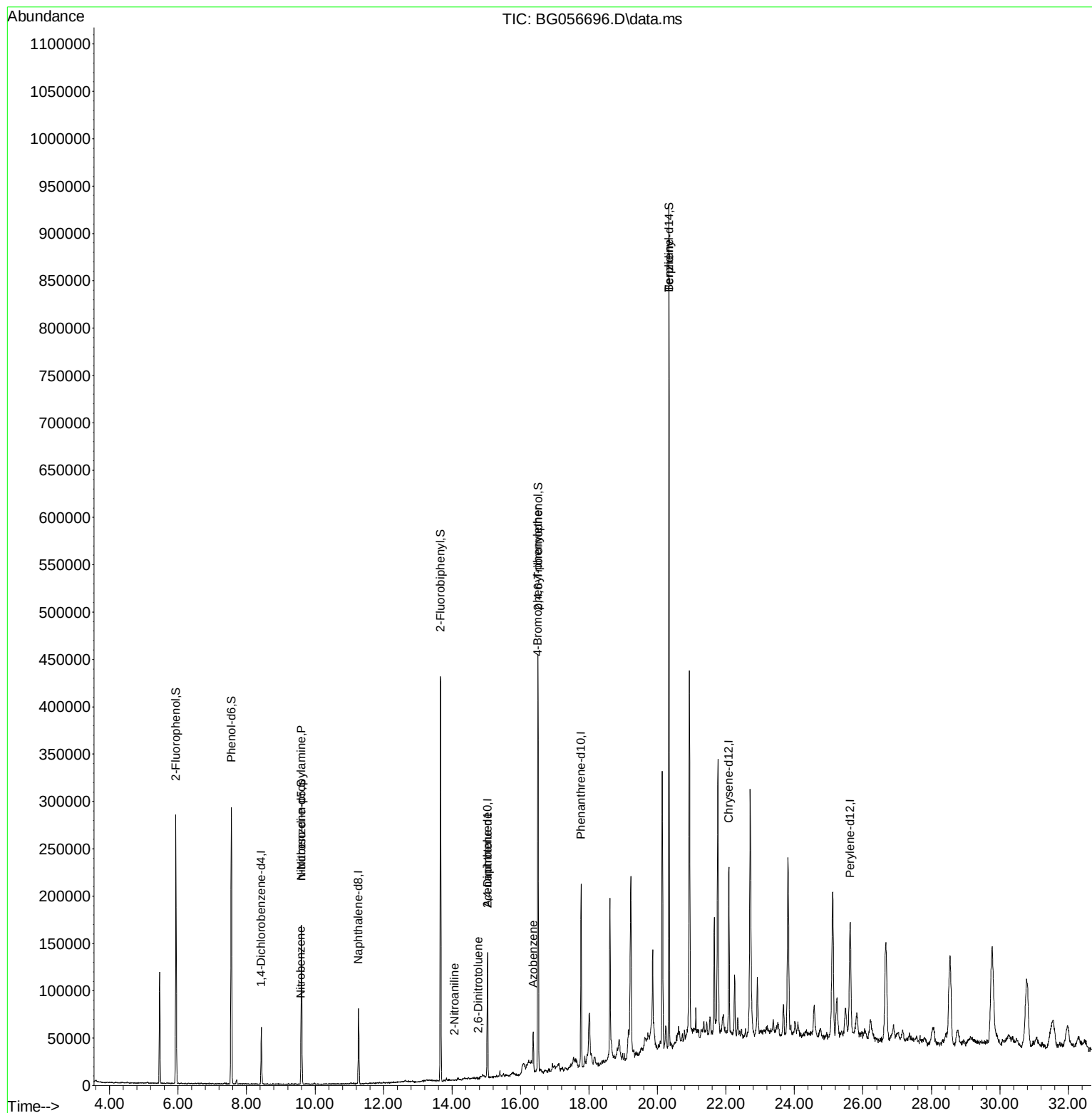
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.427	152	16409	20.000	ng	0.00
21) Naphthalene-d8	11.270	136	63027	20.000	ng	# 0.00
39) Acenaphthene-d10	15.037	164	46903	20.000	ng	0.00
64) Phenanthrene-d10	17.769	188	123187	20.000	ng	0.00
76) Chrysene-d12	22.087	240	110098	20.000	ng	0.00
86) Perylene-d12	25.630	264	123174	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.941	112	115223	114.252	ng	0.00
7) Phenol-d6	7.557	99	164345	110.320	ng	0.00
23) Nitrobenzene-d5	9.602	82	104461	84.861	ng	0.00
42) 2,4,6-Tribromophenol	16.511	330	84402	131.435	ng	0.00
45) 2-Fluorobiphenyl	13.662	172	222905	63.638	ng	0.00
79) Terphenyl-d14	20.336	244	435547	64.725	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.602	70	15822	14.187	ng	# 76
24) Nitrobenzene	9.584	77	317	2.897	ng	# 43
48) 2-Nitroaniline	14.079	65	60	5.312	ng	# 3
51) 2,6-Dinitrotoluene	14.766	165	204	2.877	ng	# 21
57) 2,4-Dinitrotoluene	15.037	165	6027	6.374	ng	# 24
63) Azobenzene	16.370	77	13316	3.402	ng	# 1
67) 4-Bromophenyl-phenylether	16.505	248	5950	3.762	ng	# 1
77) Benzidine	20.336	184	7657	2.908	ng	# 88

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

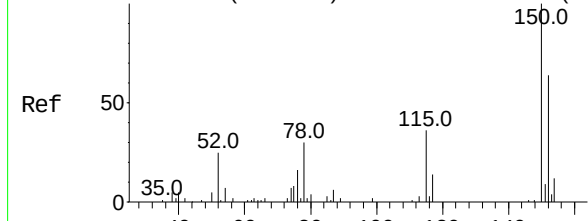
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056696.D
Acq On : 22 Feb 2023 13:50
Operator : CG/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 22 14:34:57 2023
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Abundance Scan 877 (8.441 min): BG056637.D\data.ms (-868) #1



1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.427 min Scan# 815

Delta R.T. -0.000 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

Instrument :

BNA_G

ClientSampleId :

TP-3

Tgt Ion:152 Resp: 16409

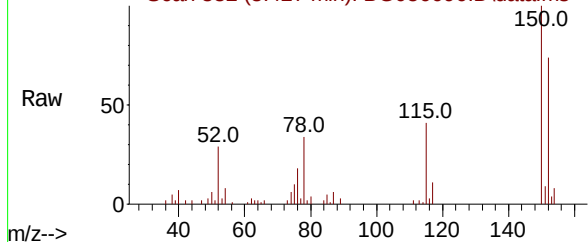
Ion Ratio Lower Upper

152 100

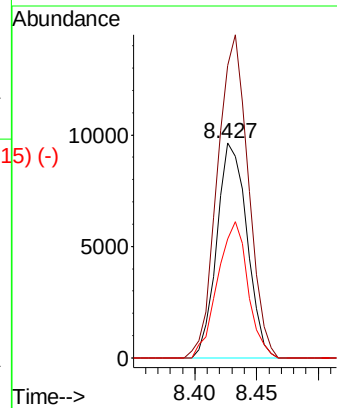
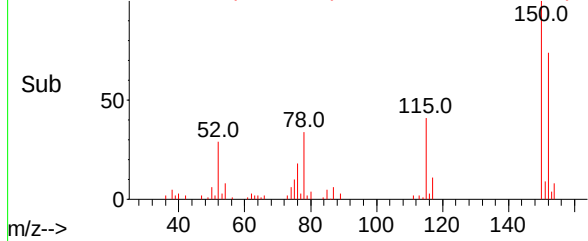
150 135.8 124.8 187.2

115 55.2 44.7 67.1

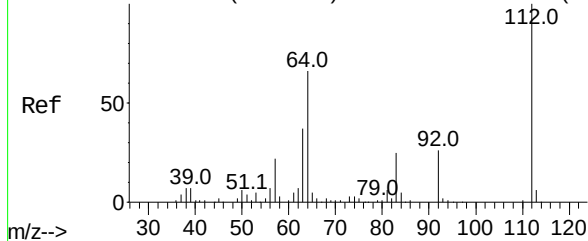
Abundance Scan 832 (8.427 min): BG056696.D\data.ms



Abundance Scan 832 (8.427 min): BG056696.D\data.ms (-815) (-)



Abundance Scan 451 (5.938 min): BG056637.D\data.ms (-444) #5



2-Fluorophenol

Concen: 114.252 ng

RT: 5.941 min Scan# 409

Delta R.T. 0.006 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

Tgt Ion:112 Resp: 115223

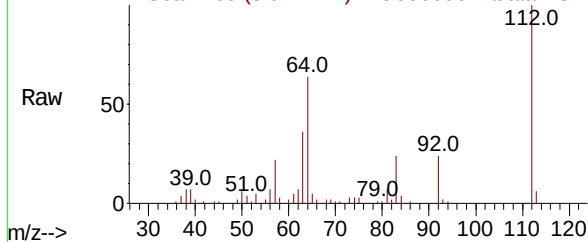
Ion Ratio Lower Upper

112 100

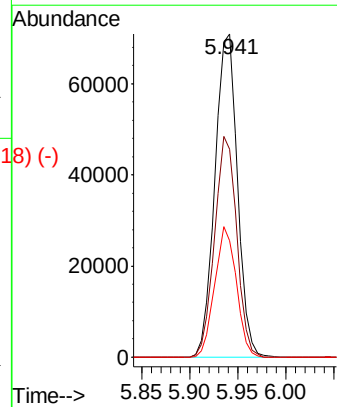
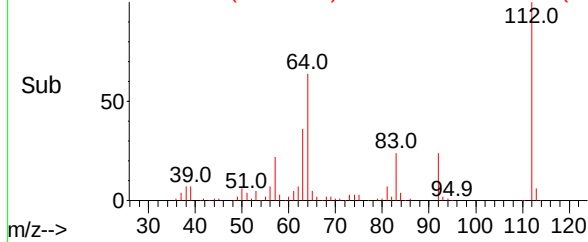
64 64.3 52.6 78.8

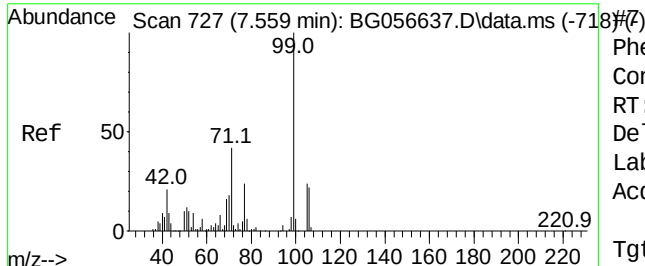
63 36.0 29.8 44.6

Abundance Scan 409 (5.941 min): BG056696.D\data.ms



Abundance Scan 409 (5.941 min): BG056696.D\data.ms (-318) (-)

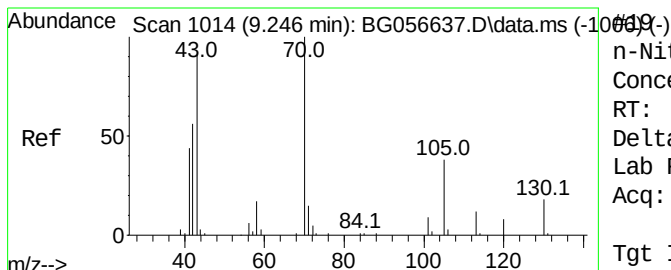
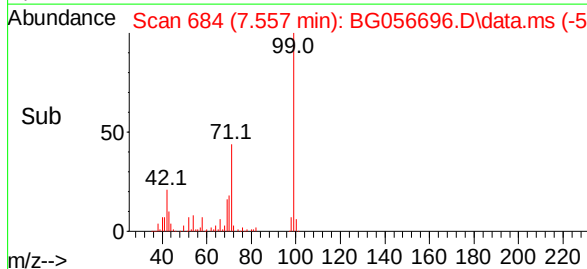
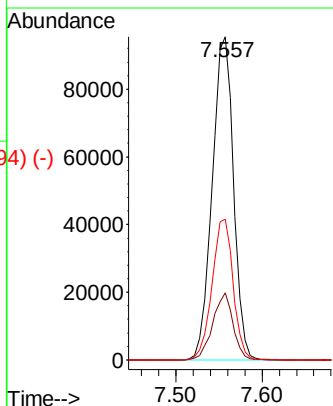
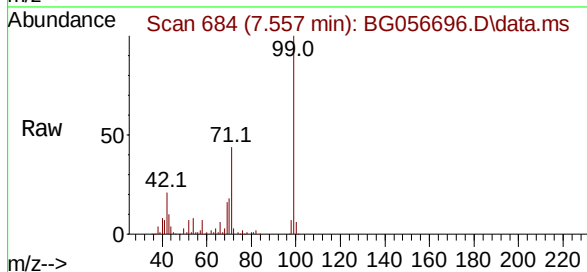




Phenol-d6
 Concen: 110.320 ng
 RT: 7.557 min Scan#
 Delta R.T. 0.000 min
 Lab File: BG056696.D
 Acq: 22 Feb 2023 13:50

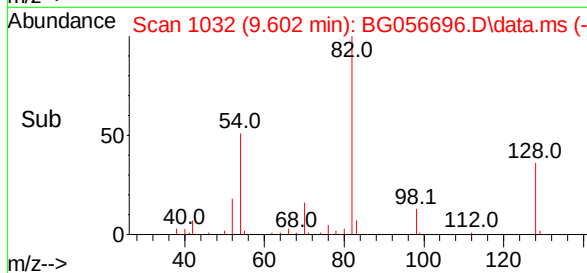
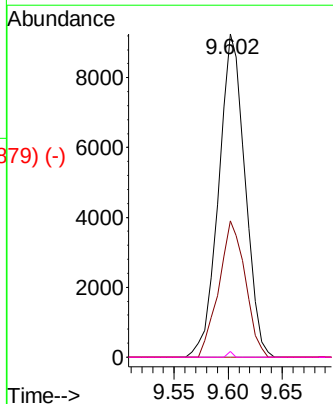
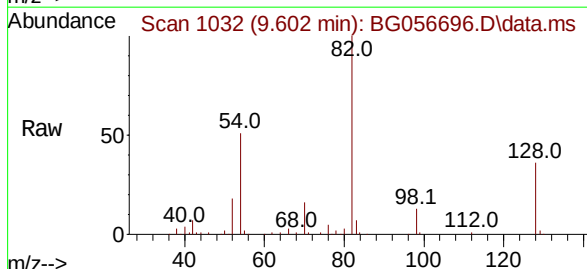
Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Tgt Ion:	99	Resp:	164345
Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.8	25.2
71	43.6	33.9	50.9



n-Nitroso-di-n-propylamine
 Concen: 14.187 ng
 RT: 9.602 min Scan# 1032
 Delta R.T. 0.370 min
 Lab File: BG056696.D
 Acq: 22 Feb 2023 13:50

Tgt Ion:	70	Resp:	15822
Ion	Ratio	Lower	Upper
70	100		
42	42.2	45.7	68.5#
101	0.0	7.4	11.0#
130	1.8	14.2	21.4#



Abundance Scan 1360 (11.278 min): BG056637.D\data.ms (-1221) (-)

Naphthalene-d8

Concen: 20.000 ng

RT: 11.270 min Scan# 1032

Delta R.T. 0.000 min

Lab File: BG056696.D

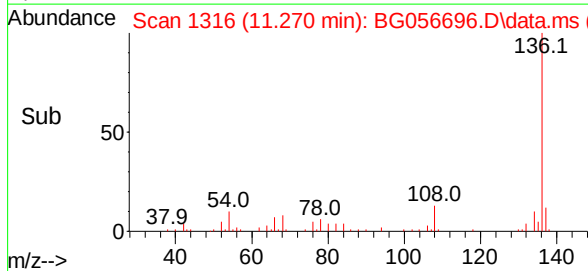
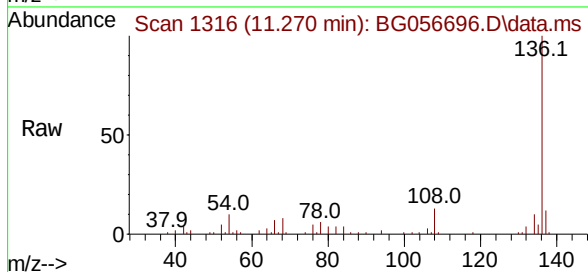
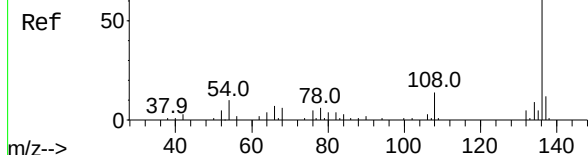
Acq: 22 Feb 2023 13:50

Instrument :

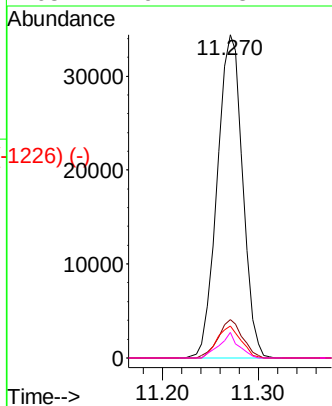
BNA_G

ClientSampleId :

TP-3



Tgt Ion:	136	Resp:	63027
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	9.8	7.7	11.5
68	7.9	4.8	7.2#



Abundance Scan 1077 (9.616 min): BG056637.D\data.ms (-1062) (-)

Nitrobenzene-d5

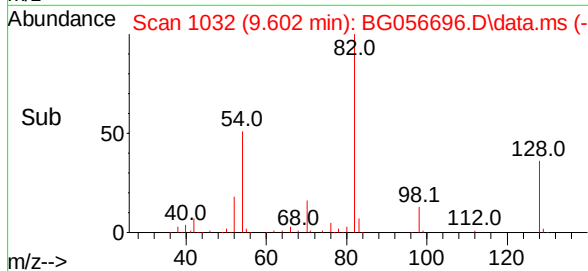
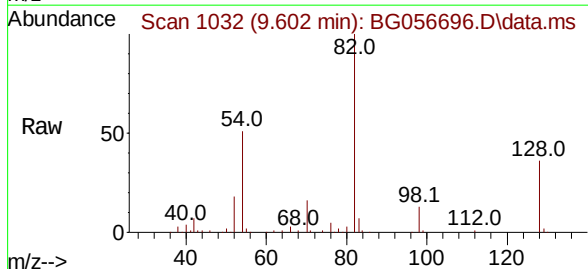
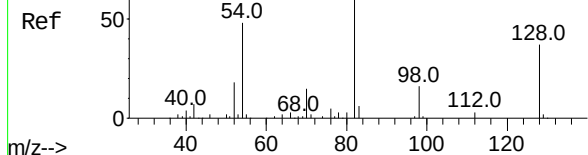
Concen: 84.861 ng

RT: 9.602 min Scan# 1032

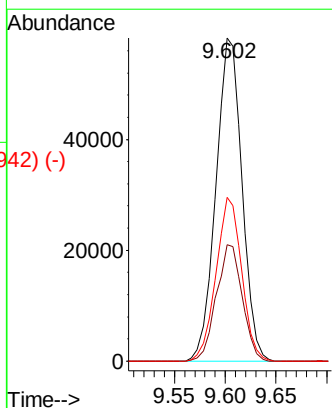
Delta R.T. 0.000 min

Lab File: BG056696.D

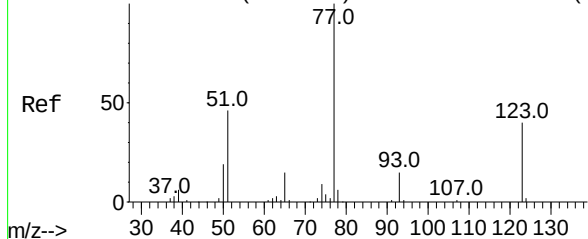
Acq: 22 Feb 2023 13:50



Tgt Ion:	82	Resp:	104461
Ion	Ratio	Lower	Upper
82	100		
128	35.9	29.4	44.2
54	50.7	37.8	56.6



Abundance Scan 1084 (9.657 min): BG056637.D\data.ms (-10724)



Nitrobenzene

Concen: 2.897 ng

RT: 9.584 min Scan#

Delta R.T. -0.065 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

Instrument :

BNA_G

ClientSampleId :

TP-3

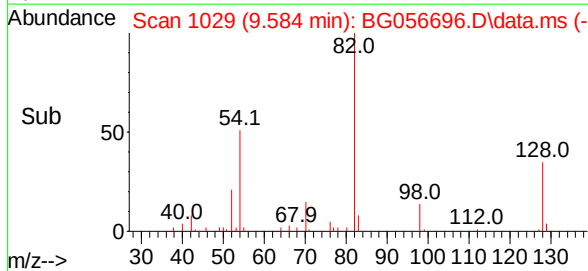
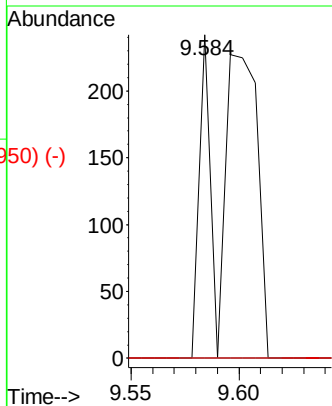
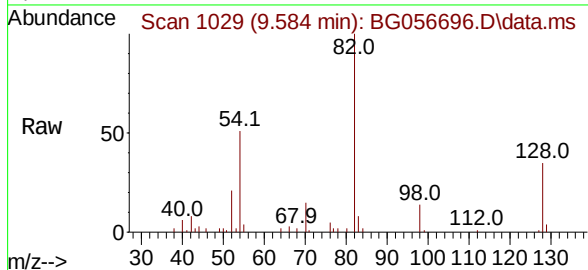
Tgt Ion: 77 Resp: 317

Ion Ratio Lower Upper

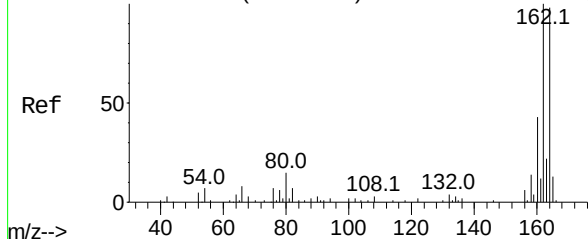
77 100

123 0.0 31.8 47.8#

65 0.0 12.0 18.0#



Abundance Scan 2001 (15.045 min): BG056637.D\data.ms (-1934) (-)



Acenaphthene-d10

Concen: 20.000 ng

RT: 15.037 min Scan# 1957

Delta R.T. 0.000 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

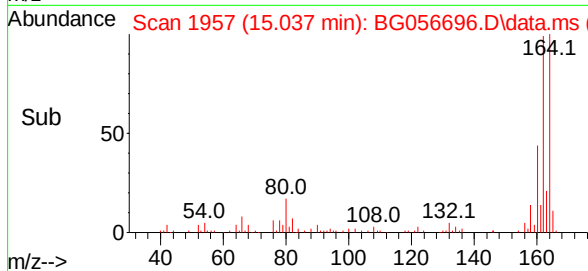
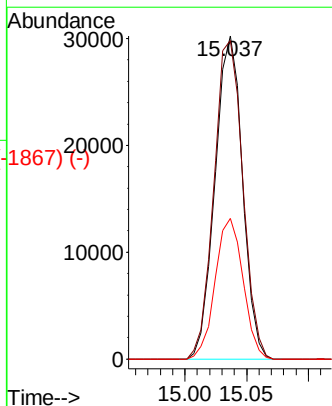
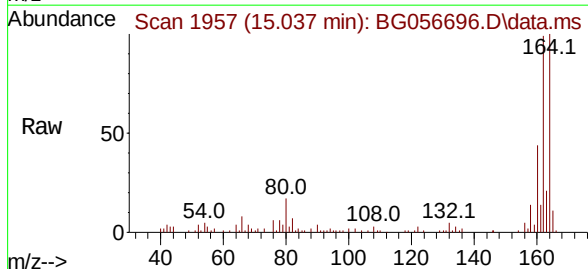
Tgt Ion:164 Resp: 46903

Ion Ratio Lower Upper

164 100

162 98.7 81.3 121.9

160 43.6 35.2 52.8



Abundance Scan 2252 (16.519 min): BG056637.D\data.ms (-2242) (-)

2,4,6-Tribromophenol

Concen: 131.435 ng

RT: 16.511 min Scan# 2252

Delta R.T. 0.000 min

Lab File: BG056696.D

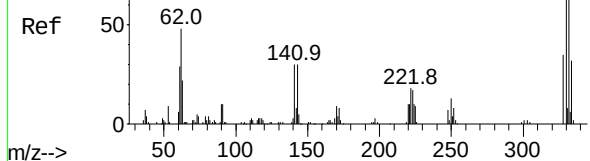
Acq: 22 Feb 2023 13:50

Instrument :

BNA_G

ClientSampleId :

TP-3



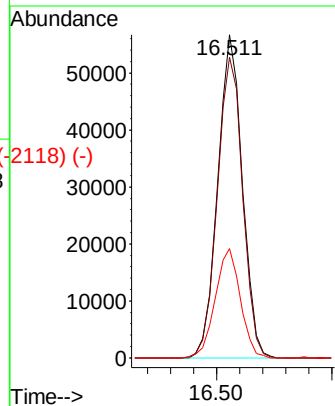
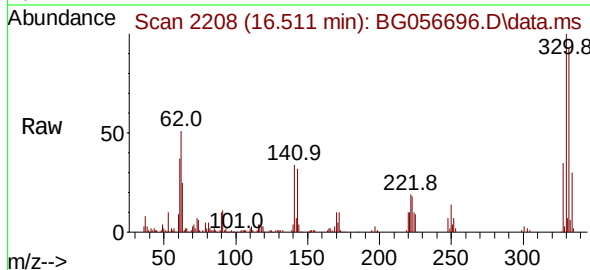
Tgt Ion:330 Resp: 84402

Ion Ratio Lower Upper

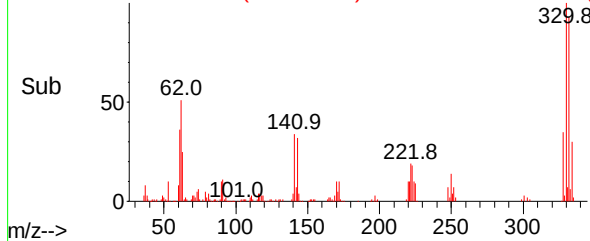
330 100

332 95.5 75.7 113.5

141 34.4 24.6 37.0



Abundance Scan 2208 (16.511 min): BG056696.D\data.ms (-2118) (-)



Abundance Scan 1768 (13.676 min): BG056637.D\data.ms (-1795) (-)

2-Fluorobiphenyl

Concen: 63.638 ng

RT: 13.662 min Scan# 1723

Delta R.T. -0.006 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

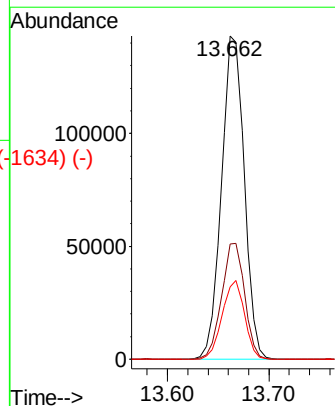
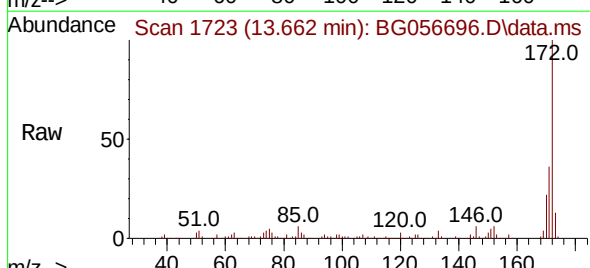
Tgt Ion:172 Resp: 222905

Ion Ratio Lower Upper

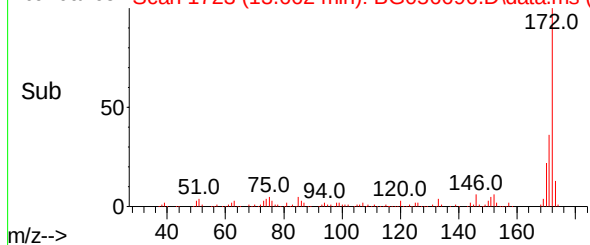
172 100

171 35.6 28.6 43.0

170 22.4 19.4 29.0



Abundance Scan 1723 (13.662 min): BG056696.D\data.ms (-1634) (-)



Abundance Scan 1843 (14.116 min): BG056637.D\data.ms (-1746) (-)

2-Nitroaniline

Concen: 5.312 ng

RT: 14.079 min Scan#

Delta R.T. -0.035 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

Instrument :

BNA_G

ClientSampleId :

TP-3

Tgt Ion: 65 Resp: 60

Ion Ratio Lower Upper

65 100

92 0.0 53.8 80.6#

138 0.0 90.6 135.8#

Abundance Scan 1794 (14.079 min): BG056696.D\data.ms

Ref

50

39.0 65.0 92.0 108.0 138.0

m/z-->

Abundance Scan 1794 (14.079 min): BG056696.D\data.ms

Raw

50

43.0 73.0 97.1 129.0

m/z-->

Abundance Scan 1794 (14.079 min): BG056696.D\data.ms (-1710) (-)

Sub

50

43.0 77.0 97.1 129.0

m/z-->

Abundance

150

14.079

100

50

0

Time-->

14.06 14.08

Abundance Scan 1926 (14.604 min): BG056637.D\data.ms (-1950) (-)

2,6-Dinitrotoluene

Concen: 2.877 ng

RT: 14.766 min Scan# 1911

Delta R.T. 0.170 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

Tgt Ion: 165 Resp: 204

Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

89 0.0 48.2 72.2#

Abundance Scan 1911 (14.766 min): BG056696.D\data.ms

Ref

50

39.0 63.0 89.0 121.0 165.0

m/z-->

Abundance Scan 1911 (14.766 min): BG056696.D\data.ms

Raw

50

43.0 71.1 96.9 129.1 165.1 185.1

m/z-->

Abundance Scan 1911 (14.766 min): BG056696.D\data.ms (-1792) (-)

Sub

50

43.0 71.1 111.1 165.1 185.1

m/z-->

Abundance

200

14.766

150

100

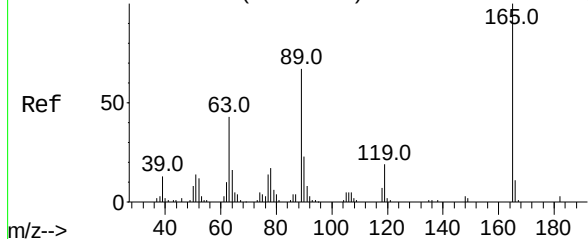
50

0

Time-->

14.75

Abundance Scan 2058 (15.380 min): BG056637.D\data.ms (-2057) (-)



2,4-Dinitrotoluene

Concen: 6.374 ng

RT: 15.037 min Scan#

Delta R.T. -0.341 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

Instrument :

BNA_G

ClientSampleId :

TP-3

Tgt Ion:165 Resp: 6027

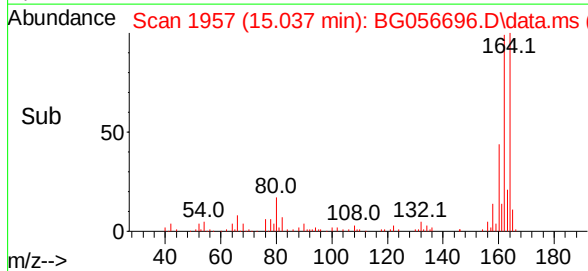
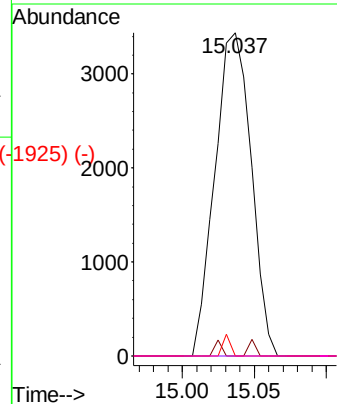
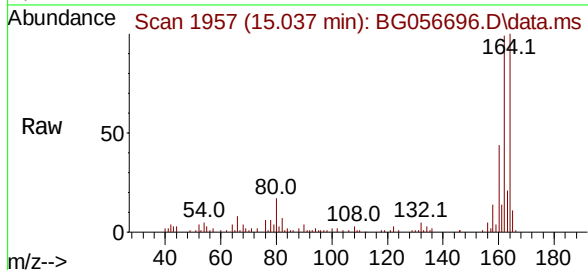
Ion Ratio Lower Upper

165 100

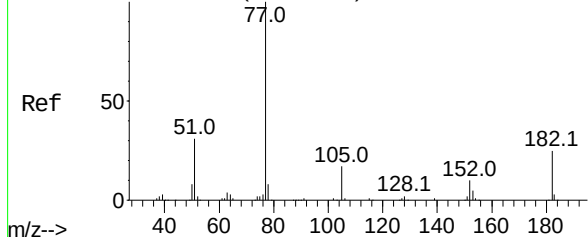
63 0.0 34.6 52.0#

89 0.0 53.8 80.8#

182 0.0 2.5 3.7#



Abundance Scan 2224 (16.355 min): BG056637.D\data.ms (-2223) (-)



Azobenzene

Concen: 3.402 ng

RT: 16.370 min Scan# 2184

Delta R.T. 0.018 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

Tgt Ion: 77 Resp: 13316

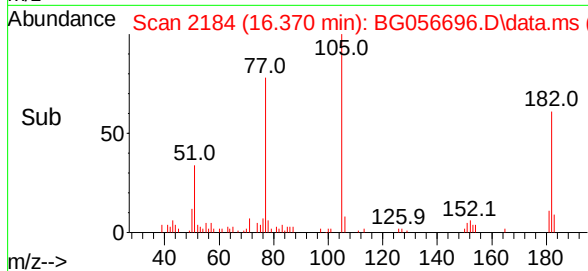
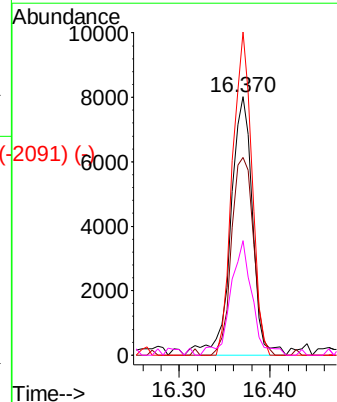
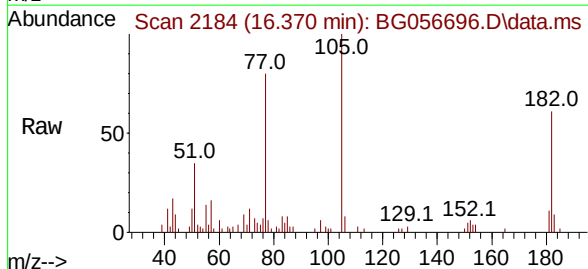
Ion Ratio Lower Upper

77 100

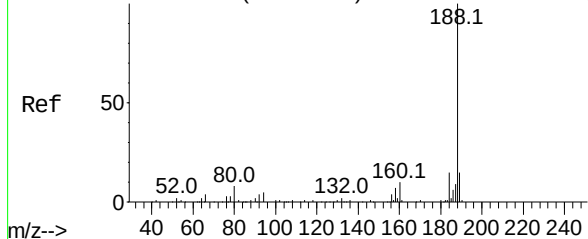
182 76.4 5.2 45.2#

105 125.0 0.0 37.3#

51 44.3 11.4 51.4



Abundance Scan 2466 (17.777 min): BG056637.D\data.ms (-2466) (-)



Phenanthrene-d10

Concen: 20.000 ng

RT: 17.769 min Scan# 2466

Delta R.T. -0.006 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

Instrument :

BNA_G

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TP-3

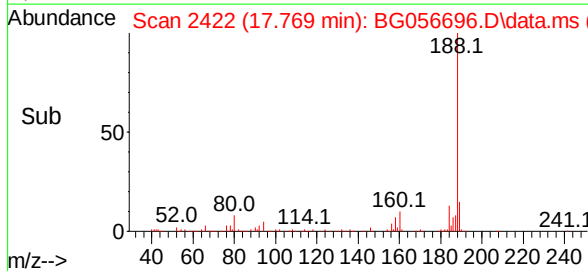
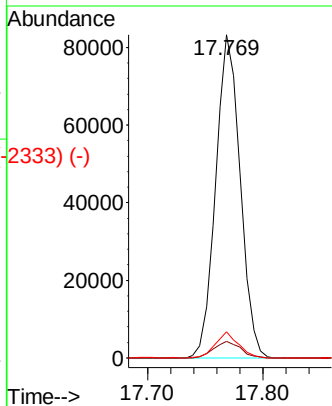
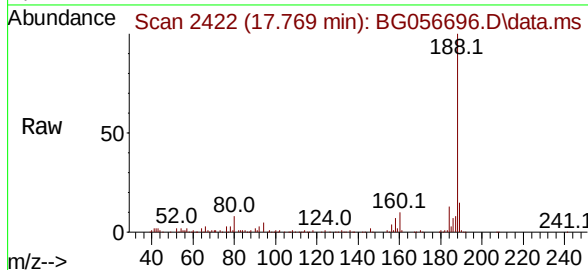
Tgt Ion:188 Resp: 123187

Ion Ratio Lower Upper

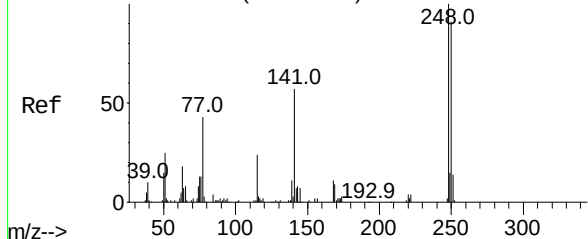
188 100

94 5.2 4.0 6.0

80 8.2 6.3 9.5



Abundance Scan 2327 (16.960 min): BG056637.D\data.ms (-2327) (-)



4-Bromophenyl-phenylether

Concen: 3.762 ng

RT: 16.505 min Scan# 2207

Delta R.T. -0.446 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

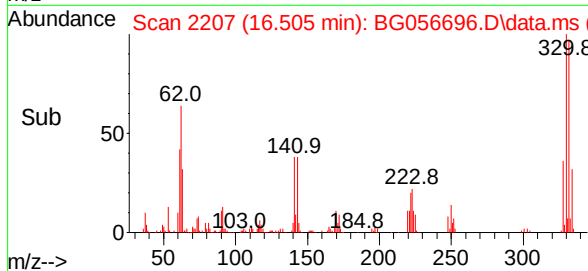
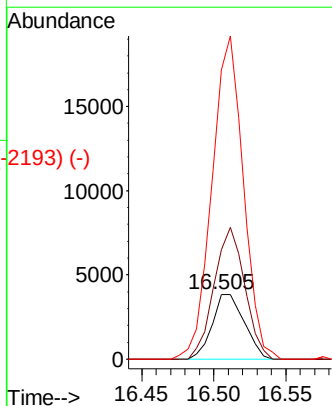
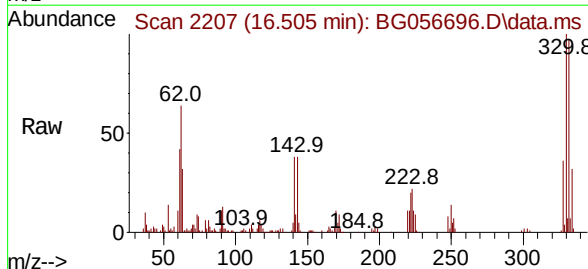
Tgt Ion:248 Resp: 5950

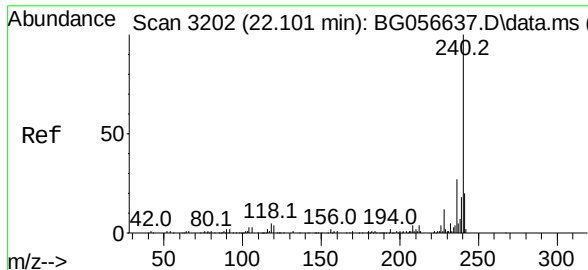
Ion Ratio Lower Upper

248 100

250 169.3 73.0 109.6#

141 446.9 45.6 68.4#





Chrysene-d12

Concen: 20.000 ng

RT: 22.087 min Scan# 3157

Delta R.T. 0.000 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

Instrument :

BNA_G

ClientSampleId :

TP-3

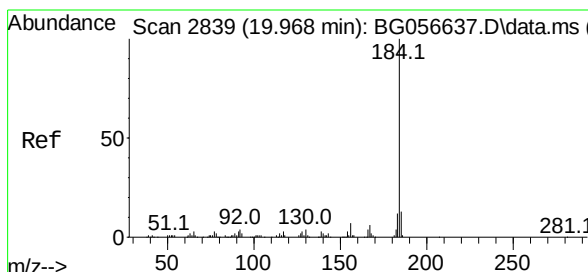
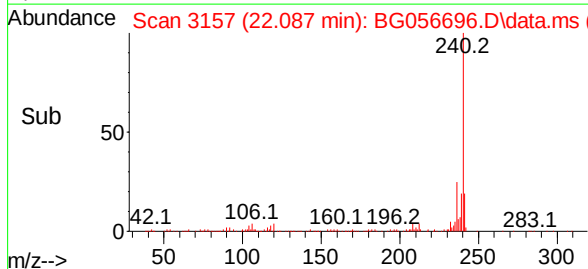
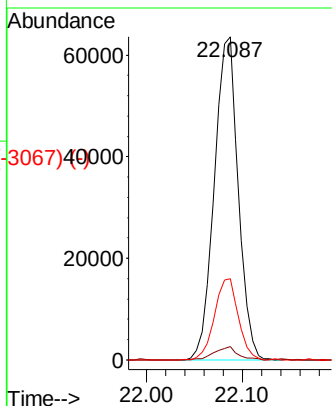
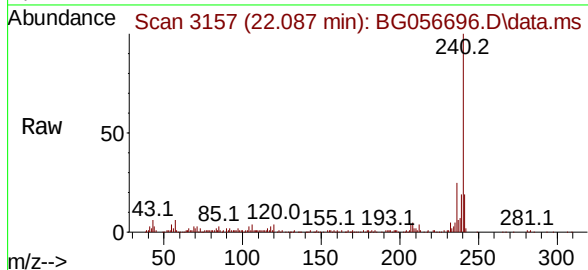
Tgt Ion:240 Resp: 110098

Ion Ratio Lower Upper

240 100

120 4.2 3.5 5.3

236 25.1 21.5 32.3



Benzidine

Concen: 2.908 ng

RT: 20.336 min Scan# 2859

Delta R.T. 0.376 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

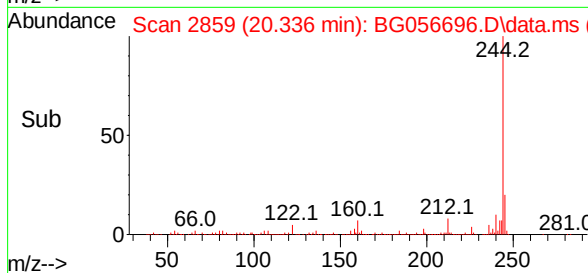
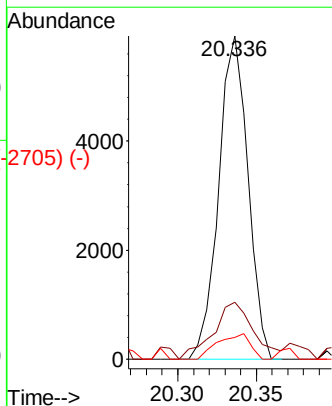
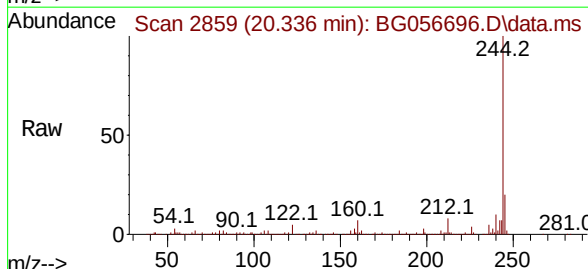
Tgt Ion:184 Resp: 7657

Ion Ratio Lower Upper

184 100

185 17.7 10.6 15.8#

183 6.7 9.4 14.0#



Abundance Scan 2904 (20.350 min): BG056637.D\data.ms (-2769) (-)

Terphenyl-d14

Concen: 64.725 ng

RT: 20.336 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

Instrument :

BNA_G

ClientSampleId :

TP-3

Tgt Ion:244 Resp: 435547

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 4.9 3.8 5.8

Abundance Scan 2859 (20.336 min): BG056696.D\data.ms

Ref 50

42.0 82.0 122.1 160.1 212.1 244.2

m/z-->

Raw 50

54.1 90.1 122.1 160.1 212.1 244.2 281.0

m/z-->

Abundance Scan 2859 (20.336 min): BG056696.D\data.ms (-2769) (-)

Sub 50

66.0 122.1 160.1 212.1 244.2 281.0

m/z-->

Abundance

20.336

300000

200000

100000

0

Time-->

Abundance Scan 3804 (25.638 min): BG056637.D\data.ms (-3790) (-)

Perylene-d12

Concen: 20.000 ng

RT: 25.630 min Scan# 3760

Delta R.T. 0.006 min

Lab File: BG056696.D

Acq: 22 Feb 2023 13:50

Tgt Ion:264 Resp: 123174

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 20.8 17.0 25.4

Abundance Scan 3760 (25.630 min): BG056696.D\data.ms

Ref 50

78.1 132.0 204.1 264.1 355.1

m/z-->

Raw 50

57.0 132.0 207.0 264.1 355.1

m/z-->

Abundance Scan 3760 (25.630 min): BG056696.D\data.ms (-3669) (-)

Sub 50

38.1 90.0 132.0 189.1 264.1 355.1

m/z-->

Abundance

25.630

30000

20000

10000

0

Time-->