

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
 Data File : BG056699.D
 Acq On : 22 Feb 2023 15:55
 Operator : CG/JU
 Sample : 01640-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Feb 22 17:16:44 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)

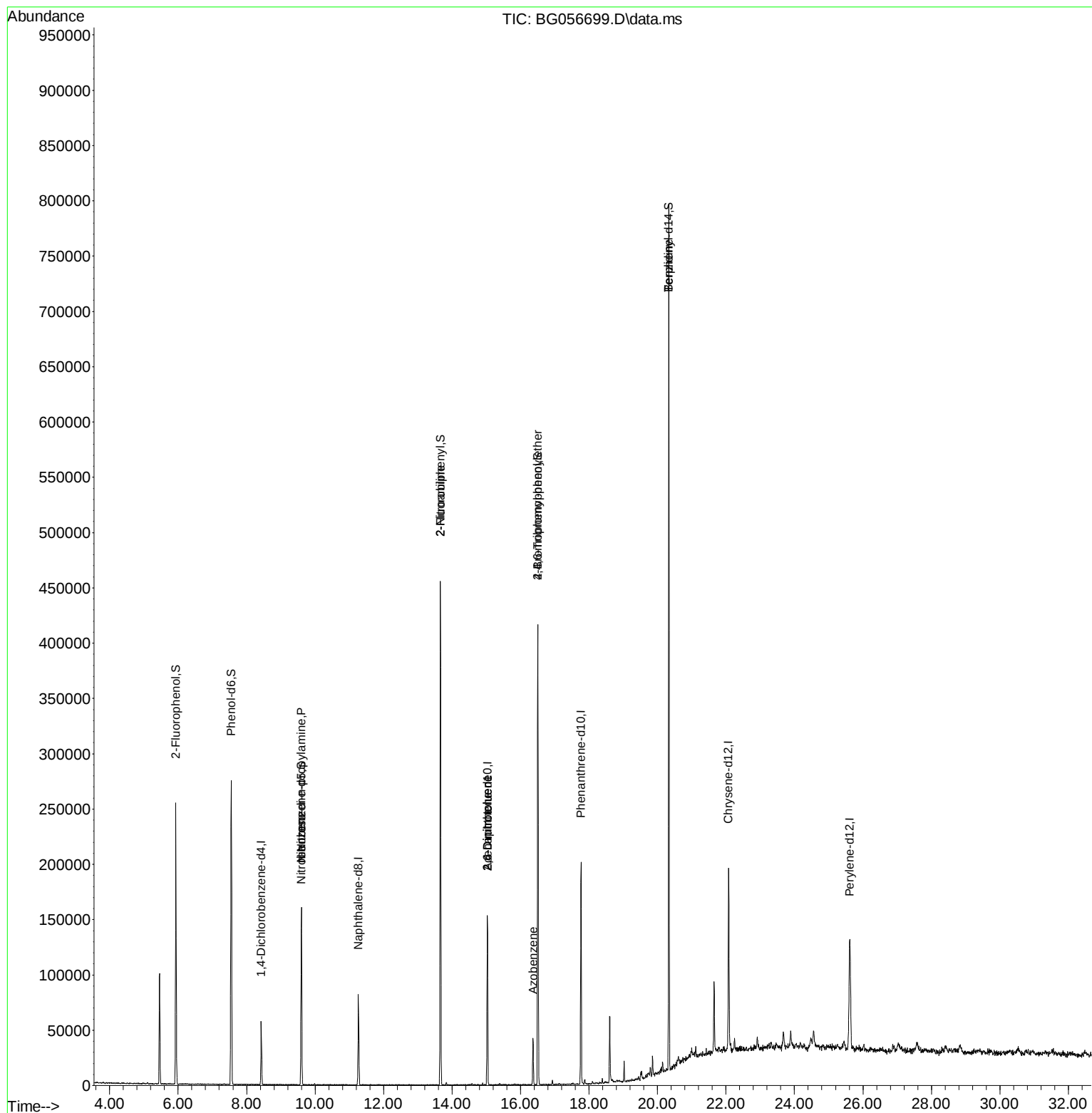
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.426	152	15723	20.000	ng	0.00
21) Naphthalene-d8	11.264	136	69274	20.000	ng	0.00
39) Acenaphthene-d10	15.030	164	55415	20.000	ng	0.00
64) Phenanthrene-d10	17.768	188	133016	20.000	ng	# 0.00
76) Chrysene-d12	22.075	240	106708	20.000	ng	-0.01
86) Perylene-d12	25.612	264	114298	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.935	112	103410	107.012	ng	0.00
7) Phenol-d6	7.551	99	153152	107.292	ng	0.00
23) Nitrobenzene-d5	9.601	82	99085	73.235	ng	0.00
42) 2,4,6-Tribromophenol	16.505	330	78765	103.816	ng	0.00
45) 2-Fluorobiphenyl	13.661	172	231633	55.972	ng	0.00
79) Terphenyl-d14	20.330	244	397355	60.925	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.601	70	14182	13.271	ng	# 74
24) Nitrobenzene	9.595	77	340	2.892	ng	# 43
48) 2-Nitroaniline	13.661	65	391	5.606	ng	# 1
51) 2,6-Dinitrotoluene	15.030	165	7062	10.106	ng	# 21
57) 2,4-Dinitrotoluene	15.030	165	7062	6.321	ng	# 24
63) Azobenzene	16.364	77	12692	2.744	ng	# 1
67) 4-Bromophenyl-phenylether	16.505	248	5856	3.429	ng	# 1
77) Benzidine	20.330	184	6478	2.538	ng	# 93

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

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Abundance Scan 877 (8.441 min): BG056637.D\data.ms (-868) #4

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.426 min Scan# 815

Delta R.T. -0.001 min

Lab File: BG056699.D

Acq: 22 Feb 2023 15:55

Instrument :

BNA_G

ClientSampleId :

TP-1

Tgt Ion:152 Resp: 15723

Ion Ratio Lower Upper

152 100

150 144.3 124.8 187.2

115 58.7 44.7 67.1

Abundance Scan 832 (8.426 min): BG056699.D\data.ms

Ref

52.0 78.0 115.0 150.0

m/z-->

Raw

52.0 78.0 115.0 150.0

m/z-->

Sub

52.0 78.0 115.0 150.0

m/z-->

Abundance Scan 832 (8.426 min): BG056699.D\data.ms (-815) (-)

Ref

52.0 78.0 115.0 150.0

m/z-->

Raw

52.0 78.0 115.0 150.0

m/z-->

Sub

52.0 78.0 115.0 150.0

m/z-->

Abundance

8.426

10000

5000

0

Time-->

8.35 8.40 8.45

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

2-Fluorophenol

Concen: 107.012 ng

RT: 5.935 min Scan# 408

Delta R.T. -0.001 min

Lab File: BG056699.D

Acq: 22 Feb 2023 15:55

Tgt Ion:112 Resp: 103410

Ion Ratio Lower Upper

112 100

64 64.4 52.6 78.8

63 37.2 29.8 44.6

Abundance Scan 408 (5.935 min): BG056699.D\data.ms

Ref

39.0 51.1 64.0 79.0 92.0 112.0

m/z-->

Raw

38.0 50.0 64.0 83.0 94.9 112.0

m/z-->

Sub

38.0 50.0 64.0 78.8 92.0 112.0

m/z-->

Abundance Scan 408 (5.935 min): BG056699.D\data.ms (-318) (-)

Ref

38.0 50.0 64.0 78.8 92.0 112.0

m/z-->

Raw

38.0 50.0 64.0 78.8 92.0 112.0

m/z-->

Sub

38.0 50.0 64.0 78.8 92.0 112.0

m/z-->

Abundance

5.935

60000

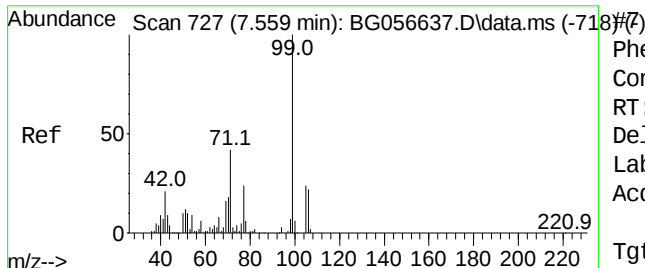
40000

20000

0

Time-->

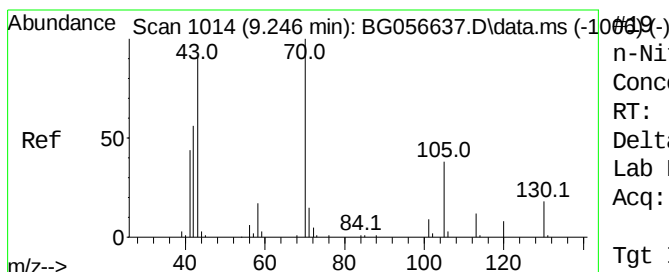
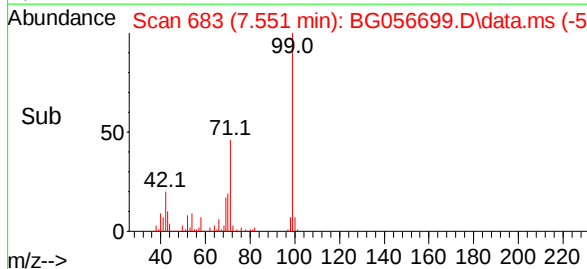
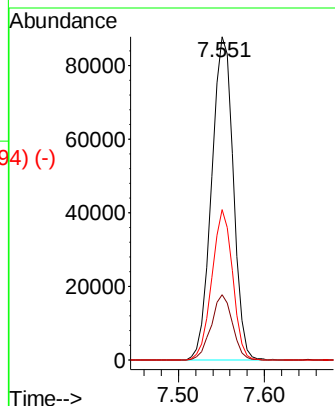
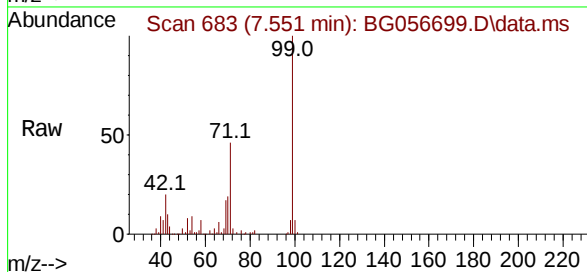
5.85 5.90 5.95 6.00



Phenol-d6
 Concen: 107.292 ng
 RT: 7.551 min Scan# 1000
 Delta R.T. -0.006 min
 Lab File: BG056699.D
 Acq: 22 Feb 2023 15:55

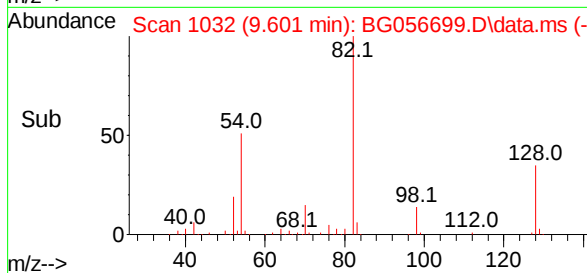
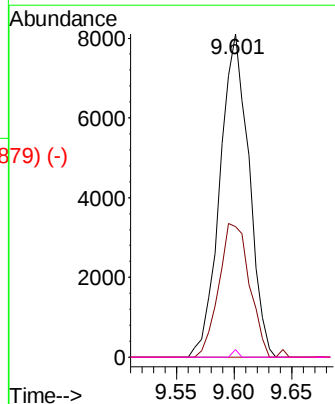
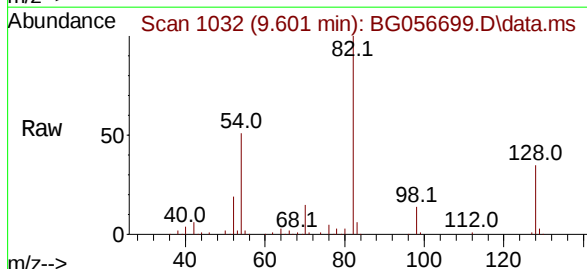
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion:	99	Resp:	153152
Ion	Ratio	Lower	Upper
99	100		
42	20.1	16.8	25.2
71	46.5	33.9	50.9



n-Nitroso-di-n-propylamine
 Concen: 13.271 ng
 RT: 9.601 min Scan# 1032
 Delta R.T. 0.370 min
 Lab File: BG056699.D
 Acq: 22 Feb 2023 15:55

Tgt Ion:	70	Resp:	14182
Ion	Ratio	Lower	Upper
70	100		
42	40.3	45.7	68.5#
101	0.0	7.4	11.0#
130	2.4	14.2	21.4#



Abundance Scan 1360 (11.278 min): BG056637.D\data.ms (-1322) (-)

Naphthalene-d8

Concen: 20.000 ng

RT: 11.264 min Scan# 1032

Delta R.T. -0.006 min

Lab File: BG056699.D

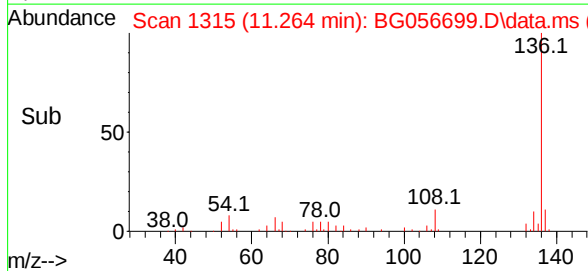
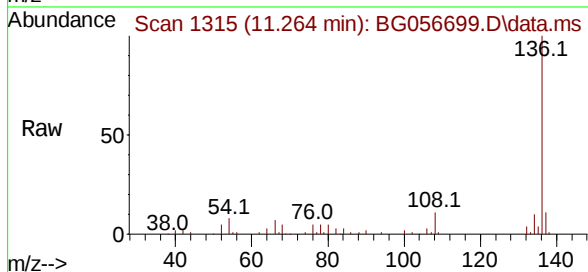
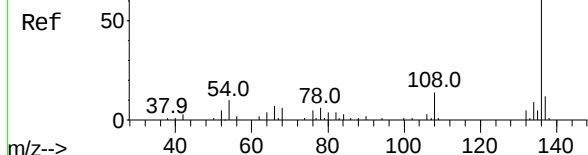
Acq: 22 Feb 2023 15:55

Instrument :

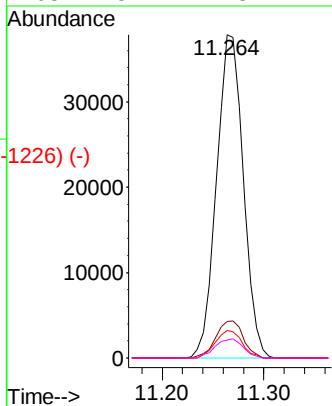
BNA_G

ClientSampleId :

TP-1



Tgt Ion:	136	Resp:	69274
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.7	14.5
54	8.4	7.7	11.5
68	5.4	4.8	7.2



Abundance Scan 1077 (9.616 min): BG056637.D\data.ms (-10623) (-)

Nitrobenzene-d5

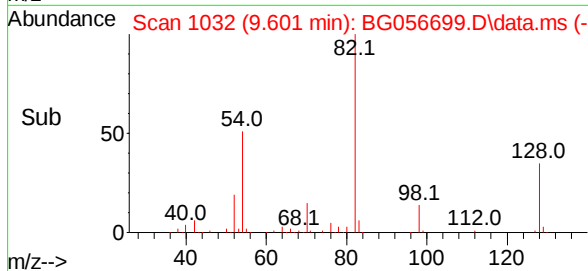
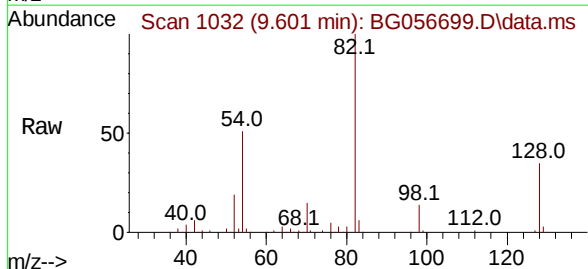
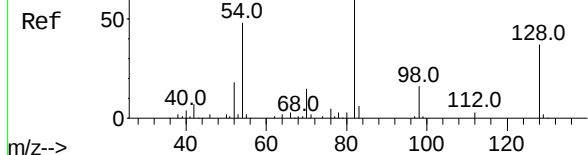
Concen: 73.235 ng

RT: 9.601 min Scan# 1032

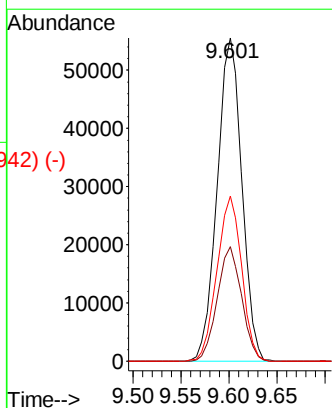
Delta R.T. -0.001 min

Lab File: BG056699.D

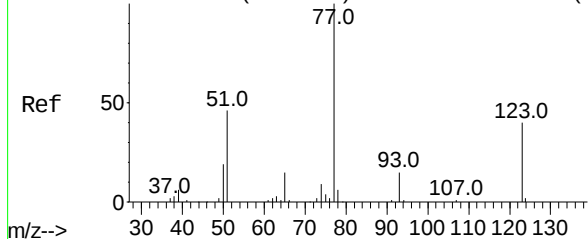
Acq: 22 Feb 2023 15:55



Tgt Ion:	82	Resp:	99085
Ion	Ratio	Lower	Upper
82	100		
128	35.5	29.4	44.2
54	51.1	37.8	56.6



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



Nitrobenzene

Concen: 2.892 ng

RT: 9.595 min Scan#

Delta R.T. -0.053 min

Lab File: BG056699.D

Acq: 22 Feb 2023 15:55

Instrument :

BNA_G

ClientSampleId :

TP-1

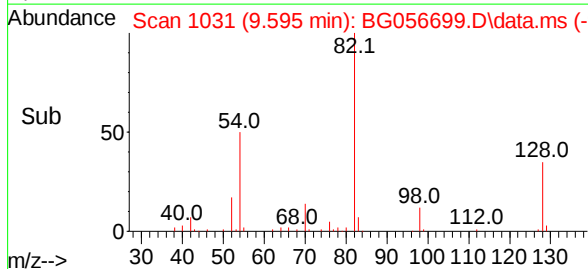
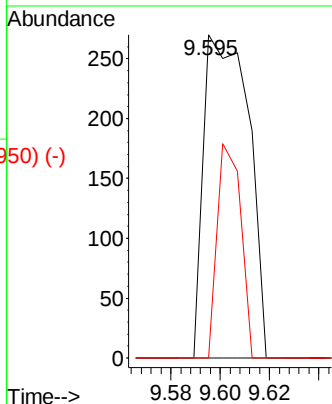
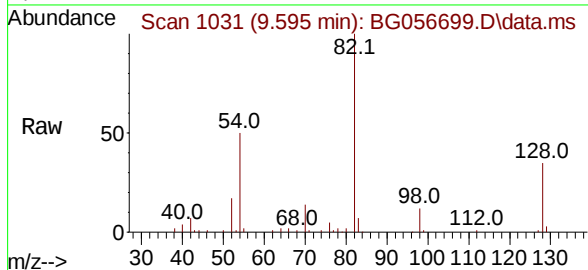
Tgt Ion: 77 Resp: 340

Ion Ratio Lower Upper

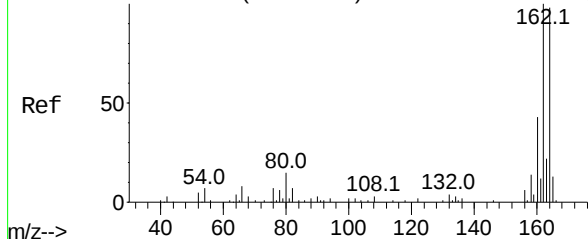
77 100

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: 15.030 min Scan# 1956

Delta R.T. -0.006 min

Lab File: BG056699.D

Acq: 22 Feb 2023 15:55

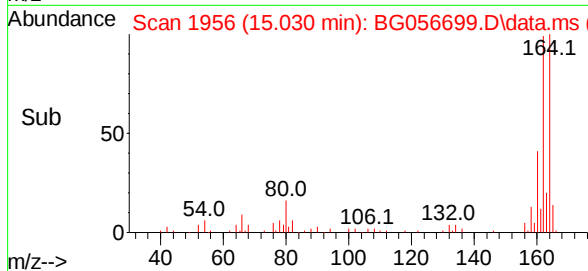
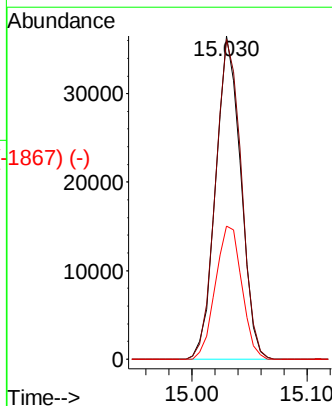
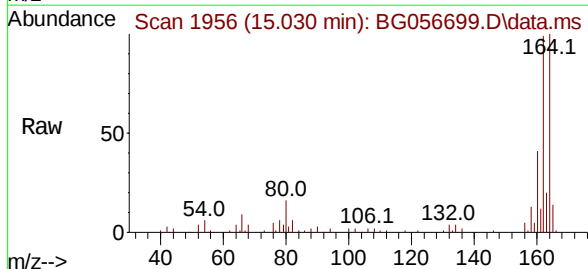
Tgt Ion:164 Resp: 55415

Ion Ratio Lower Upper

164 100

162 99.1 81.3 121.9

160 41.2 35.2 52.8



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

2,4,6-Tribromophenol

Concen: 103.816 ng

RT: 16.505 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG056699.D

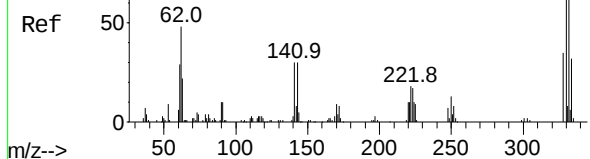
Acq: 22 Feb 2023 15:55

Instrument :

BNA_G

ClientSampleId :

TP-1



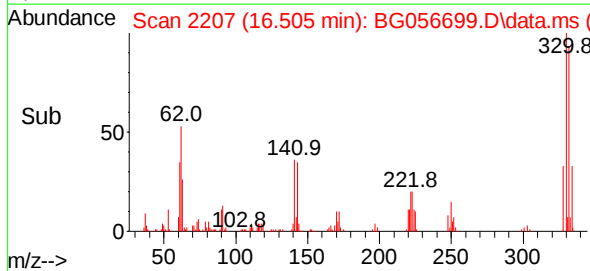
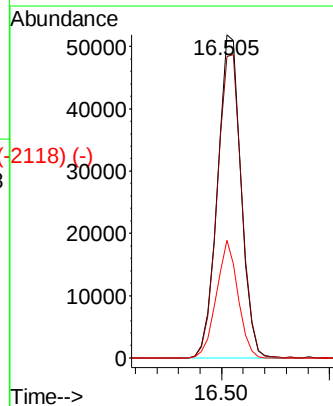
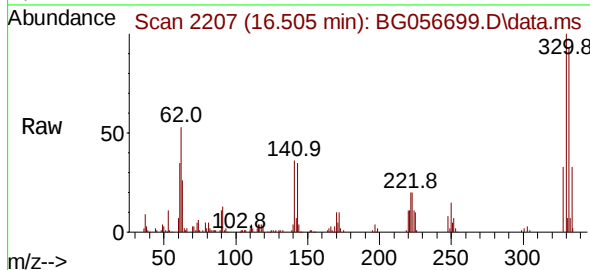
Tgt Ion:330 Resp: 78765

Ion Ratio Lower Upper

330 100

332 97.4 75.7 113.5

141 33.3 24.6 37.0



Abundance Scan 1768 (13.676 min): BG056637.D\data.ms (-1745) (-)

2-Fluorobiphenyl

Concen: 55.972 ng

RT: 13.661 min Scan# 1723

Delta R.T. -0.006 min

Lab File: BG056699.D

Acq: 22 Feb 2023 15:55

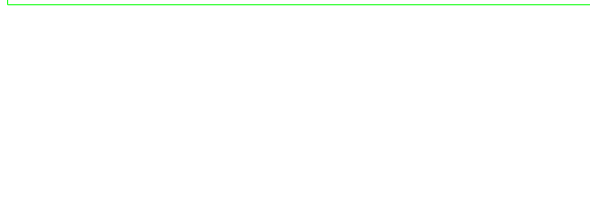
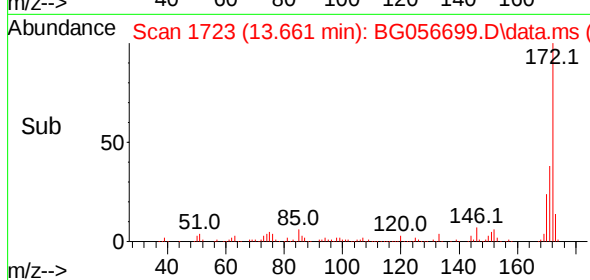
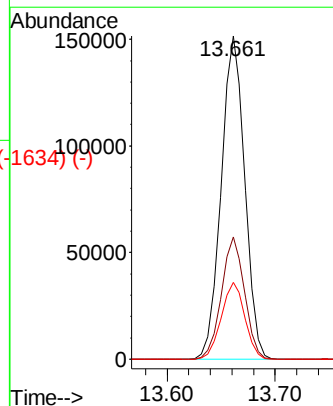
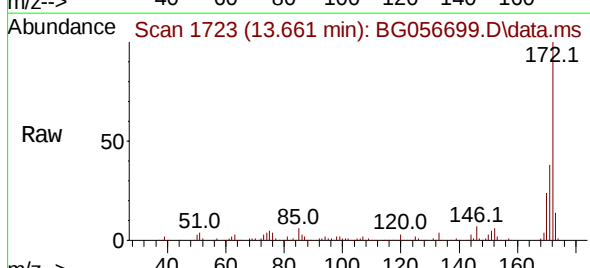
Tgt Ion:172 Resp: 231633

Ion Ratio Lower Upper

172 100

171 37.8 28.6 43.0

170 23.7 19.4 29.0



Abundance Scan 1843 (14.116 min): BG056637.D\data.ms (-1740) (-)

2-Nitroaniline

Concen: 5.606 ng

RT: 13.661 min Scan# 1723

Delta R.T. -0.453 min

Lab File: BG056699.D

Acq: 22 Feb 2023 15:55

Instrument :

BNA_G

ClientSampleId :

TP-1

Tgt Ion: 65 Resp: 391

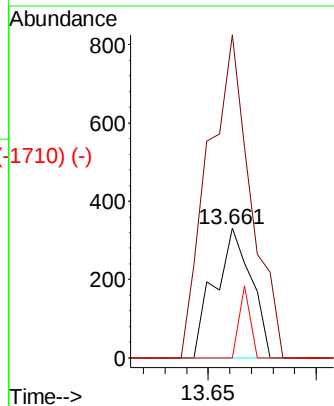
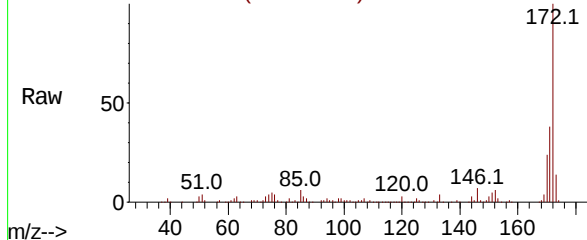
Ion Ratio Lower Upper

65 100

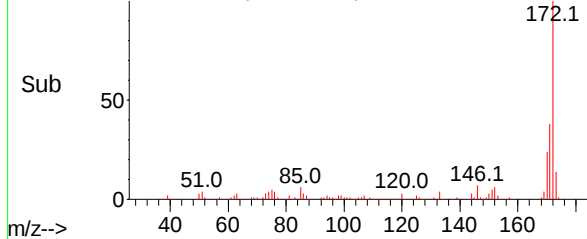
92 249.2 53.8 80.6#

138 0.0 90.6 135.8#

Abundance Scan 1723 (13.661 min): BG056699.D\data.ms



Abundance Scan 1723 (13.661 min): BG056699.D\data.ms (-1710) (-)



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

2,6-Dinitrotoluene

Concen: 10.106 ng

RT: 15.030 min Scan# 1956

Delta R.T. 0.434 min

Lab File: BG056699.D

Acq: 22 Feb 2023 15:55

Tgt Ion:165 Resp: 7062

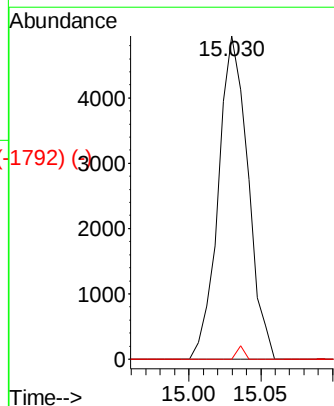
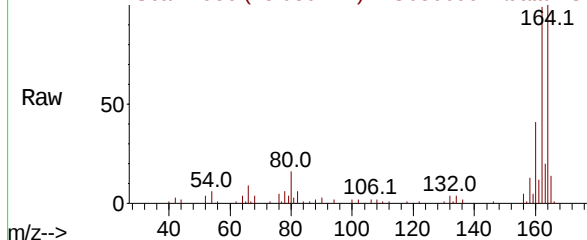
Ion Ratio Lower Upper

165 100

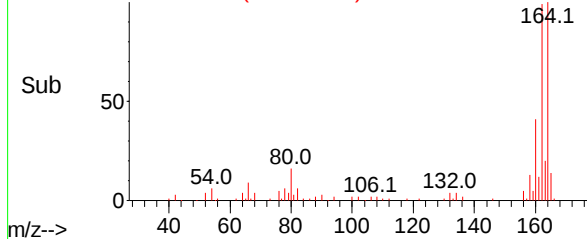
63 0.0 45.8 68.8#

89 0.0 48.2 72.2#

Abundance Scan 1956 (15.030 min): BG056699.D\data.ms



Abundance Scan 1956 (15.030 min): BG056699.D\data.ms (-1792) (-)



Abundance Scan 2058 (15.380 min): BG056637.D\data.ms (-2051) (-)

2,4-Dinitrotoluene

Concen: 6.321 ng

RT: 15.030 min Scan#

Delta R.T. -0.347 min

Lab File: BG056699.D

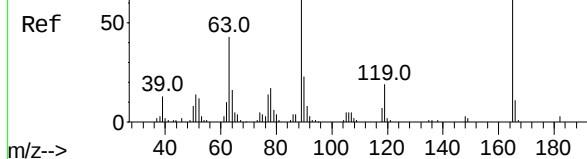
Acq: 22 Feb 2023 15:55

Instrument :

BNA_G

ClientSampleId :

TP-1



Tgt Ion:165 Resp: 7062

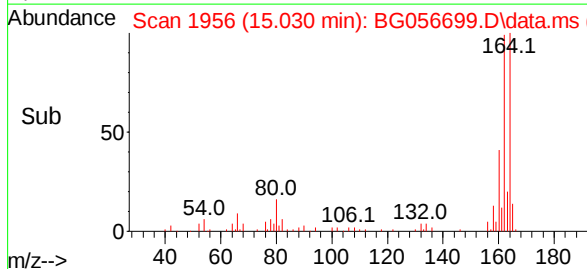
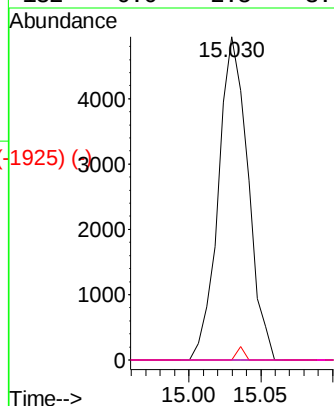
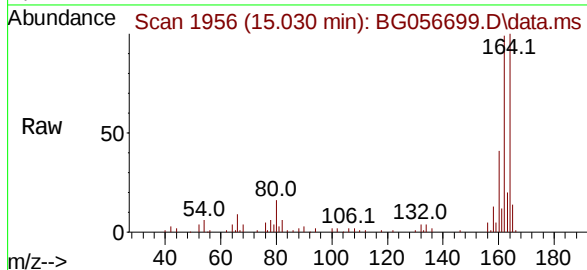
Ion Ratio Lower Upper

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 (-2163) (-)

Azobenzene

Concen: 2.744 ng

RT: 16.364 min Scan# 2183

Delta R.T. 0.011 min

Lab File: BG056699.D

Acq: 22 Feb 2023 15:55

Tgt Ion: 77 Resp: 12692

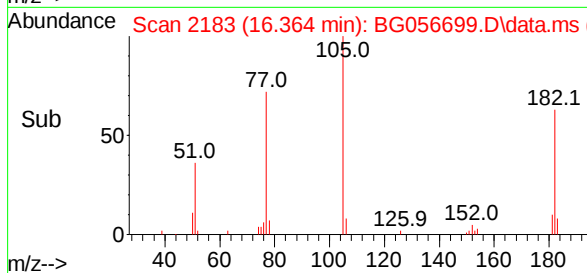
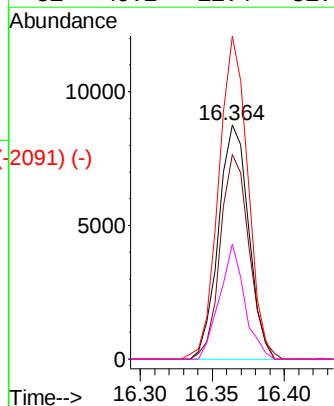
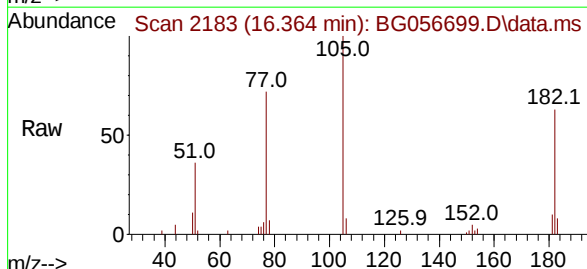
Ion Ratio Lower Upper

77 100

182 87.5 5.2 45.2#

105 138.1 0.0 37.3#

51 49.2 11.4 51.4



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

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.768 min Scan# 2466

Delta R.T. -0.006 min

Lab File: BG056699.D

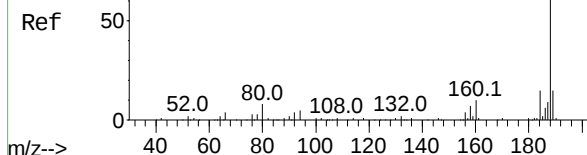
Acq: 22 Feb 2023 15:55

Instrument :

BNA_G

ClientSampleId :

TP-1



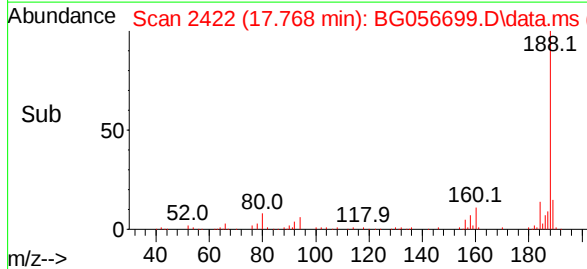
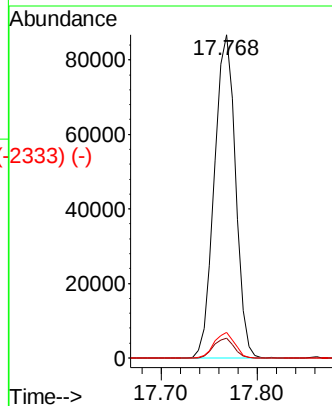
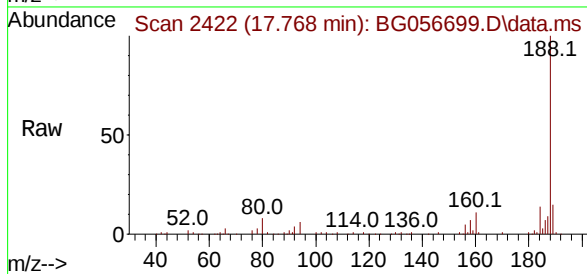
Tgt Ion:188 Resp: 133016

Ion Ratio Lower Upper

188 100

94 6.0 4.0 6.0#

80 7.9 6.3 9.5



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

4-Bromophenyl-phenylether

Concen: 3.429 ng

RT: 16.505 min Scan# 2207

Delta R.T. -0.447 min

Lab File: BG056699.D

Acq: 22 Feb 2023 15:55

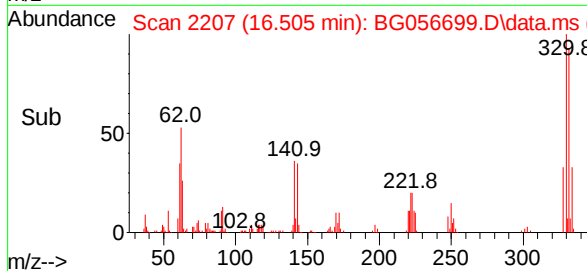
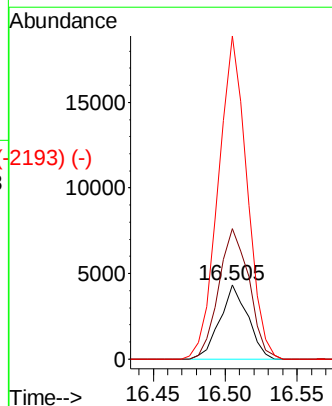
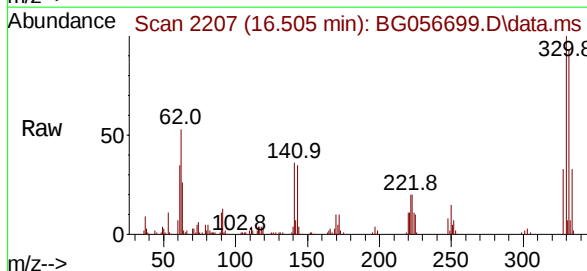
Tgt Ion:248 Resp: 5856

Ion Ratio Lower Upper

248 100

250 176.0 73.0 109.6#

141 435.7 45.6 68.4#



Abundance Scan 3202 (22.101 min): BG056637.D\data.ms (-3179) (-)

Chrysene-d12

Concen: 20.000 ng

RT: 22.075 min Scan# 3155

Delta R.T. -0.012 min

Lab File: BG056699.D

Acq: 22 Feb 2023 15:55

Instrument :

BNA_G

ClientSampleId :

TP-1

Tgt Ion:240 Resp: 106708

Ion Ratio Lower Upper

240 100

120 4.6 3.5 5.3

236 25.1 21.5 32.3

Abundance Scan 3155 (22.075 min): BG056699.D\data.ms

Ref 50

Raw 50

Sub 50

m/z-->

57.0 120.0 168.0 240.2 281.0 355.1

m/z-->

Abundance Scan 3155 (22.075 min): BG056699.D\data.ms (-3067) (-)

Ref 50

Raw 50

Sub 50

m/z-->

66.0 120.0 165.2 240.2 281.0 355.1

m/z-->

Abundance

60000

40000

20000

0

Time-->

22.00 22.10

Abundance Scan 2839 (19.968 min): BG056637.D\data.ms (-2677) (-)

Benzidine

Concen: 2.538 ng

RT: 20.330 min Scan# 2858

Delta R.T. 0.370 min

Lab File: BG056699.D

Acq: 22 Feb 2023 15:55

Tgt Ion:184 Resp: 6478

Ion Ratio Lower Upper

184 100

185 15.0 10.6 15.8

183 7.6 9.4 14.0#

Abundance Scan 2858 (20.330 min): BG056699.D\data.ms

Ref 50

Raw 50

Sub 50

m/z-->

54.1 122.1 160.1 198.1 244.2 282.1 328.0

m/z-->

Abundance Scan 2858 (20.330 min): BG056699.D\data.ms (-2705) (-)

Ref 50

Raw 50

Sub 50

m/z-->

54.1 122.1 160.1 198.1 244.2 282.1 328.0

m/z-->

Abundance

5000

4000

3000

2000

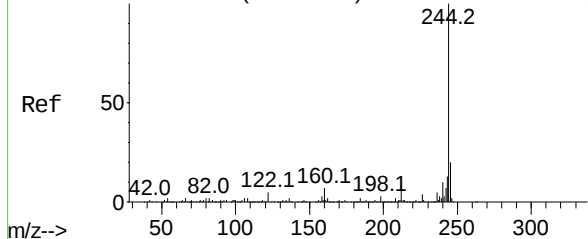
1000

0

Time-->

20.30 20.35

Abundance Scan 2904 (20.350 min): BG056637.D\data.ms (-2879) (-)



Terphenyl-d14

Concen: 60.925 ng

RT: 20.330 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG056699.D

Acq: 22 Feb 2023 15:55

Instrument :

BNA_G

ClientSampleId :

TP-1

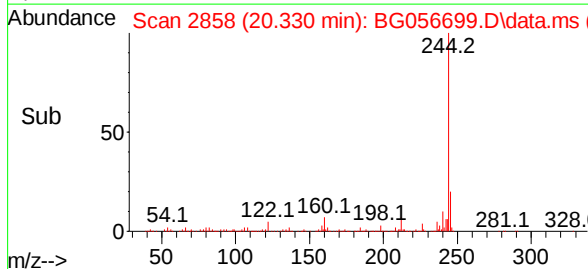
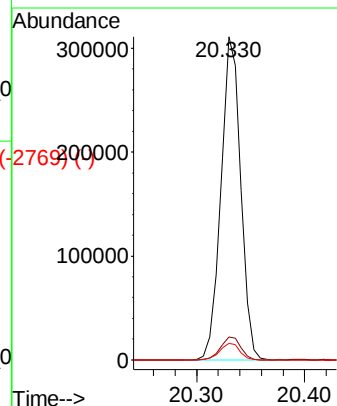
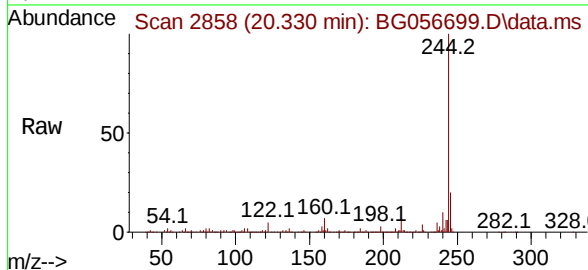
Tgt Ion:244 Resp: 397355

Ion Ratio Lower Upper

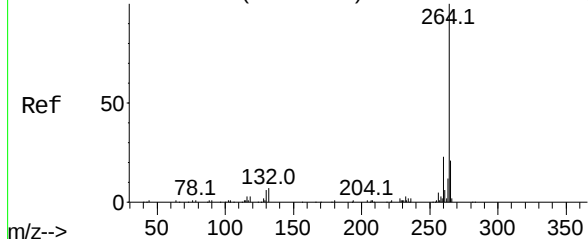
244 100

212 7.1 6.0 9.0

122 5.1 3.8 5.8



Abundance Scan 3804 (25.638 min): BG056637.D\data.ms (-3780) (-)



Perylene-d12

Concen: 20.000 ng

RT: 25.612 min Scan# 3757

Delta R.T. -0.012 min

Lab File: BG056699.D

Acq: 22 Feb 2023 15:55

Tgt Ion:264 Resp: 114298

Ion Ratio Lower Upper

264 100

260 21.7 18.6 27.8

265 21.7 17.0 25.4

