

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
 Data File : BG056697.D
 Acq On : 22 Feb 2023 14:32
 Operator : CG/JU
 Sample : 01640-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Feb 22 17:16:19 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)

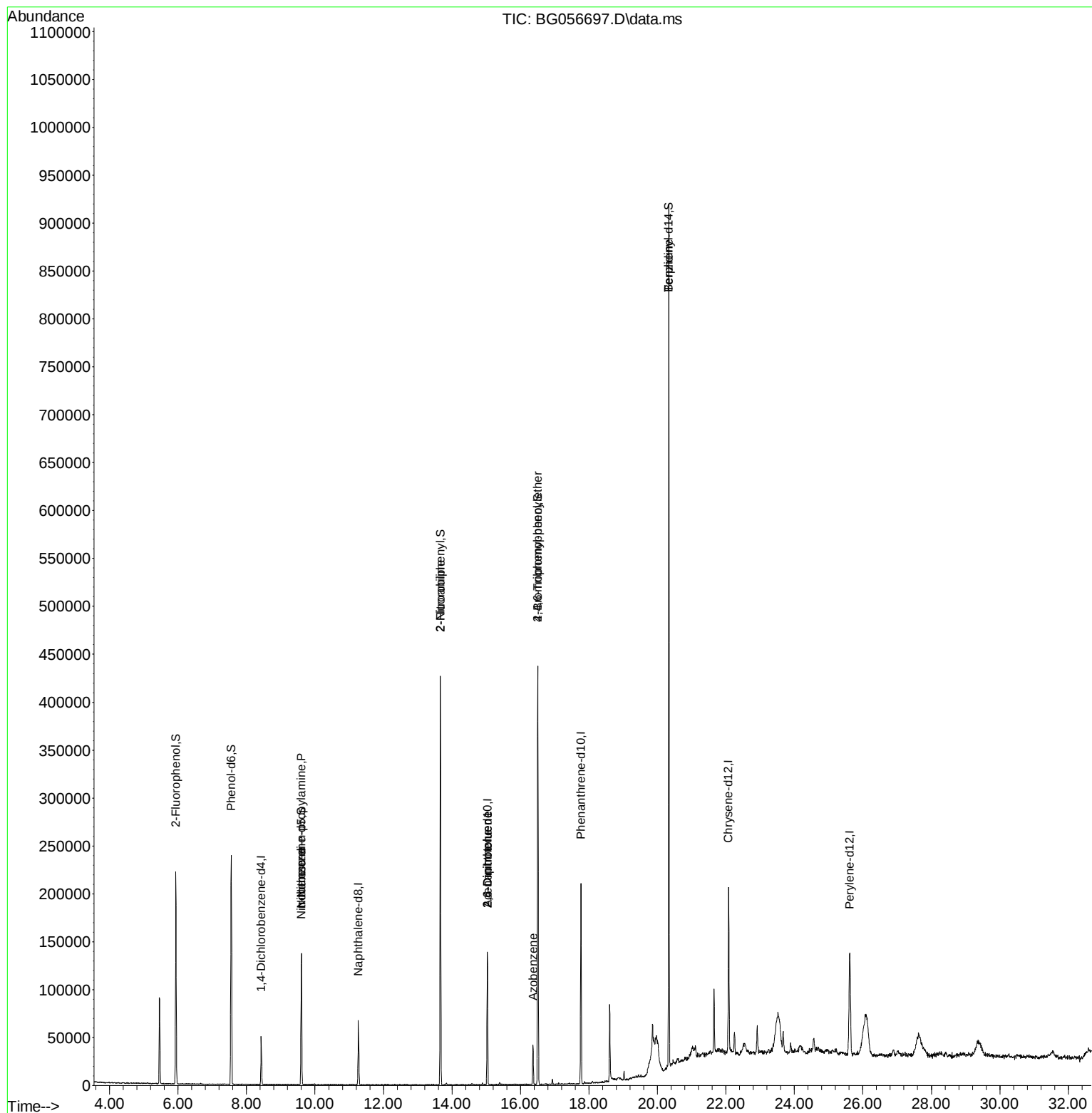
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.427	152	13469	20.000	ng	0.00
21) Naphthalene-d8	11.265	136	56091	20.000	ng	# 0.00
39) Acenaphthene-d10	15.031	164	48862	20.000	ng	0.00
64) Phenanthrene-d10	17.763	188	139487	20.000	ng	#-0.01
76) Chrysene-d12	22.076	240	110662	20.000	ng	-0.01
86) Perylene-d12	25.613	264	123814	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.936	112	89594	108.231	ng	0.00
7) Phenol-d6	7.552	99	132220	108.129	ng	0.00
23) Nitrobenzene-d5	9.602	82	85458	78.008	ng	0.00
42) 2,4,6-Tribromophenol	16.506	330	85513	127.826	ng	0.00
45) 2-Fluorobiphenyl	13.662	172	214075	58.667	ng	0.00
79) Terphenyl-d14	20.331	244	462921	68.442	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.602	70	12212	13.340	ng	# 81
24) Nitrobenzene	9.596	77	348	2.946	ng	# 43
48) 2-Nitroaniline	13.662	65	260	5.518	ng	# 1
51) 2,6-Dinitrotoluene	15.031	165	6065	9.912	ng	# 21
57) 2,4-Dinitrotoluene	15.031	165	6065	6.157	ng	# 24
63) Azobenzene	16.365	77	12999	3.188	ng	# 1
67) 4-Bromophenyl-phenylether	16.506	248	6342	3.541	ng	# 1
77) Benzidine	20.331	184	8193	3.095	ng	# 89

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

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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# 8

Delta R.T. 0.000 min

Lab File: BG056697.D

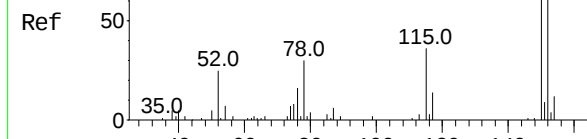
Acq: 22 Feb 2023 14:32

Instrument :

BNA_G

ClientSampleId :

TP-4



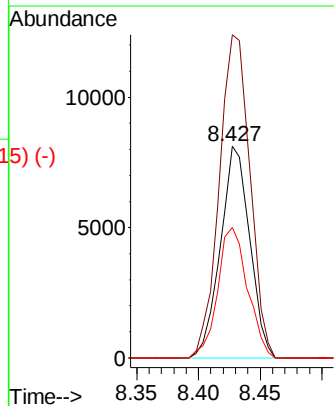
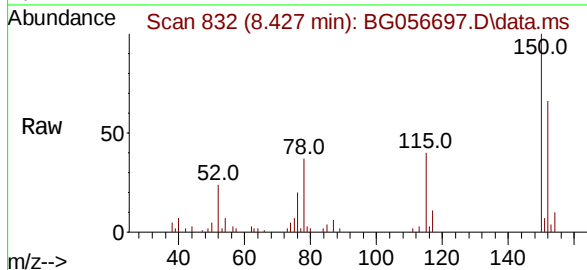
Tgt Ion:152 Resp: 13469

Ion Ratio Lower Upper

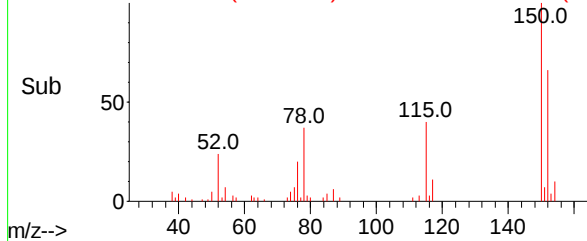
152 100

150 152.5 124.8 187.2

115 61.6 44.7 67.1



Abundance Scan 832 (8.427 min): BG056697.D\data.ms (-815) (-)



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

2-Fluorophenol

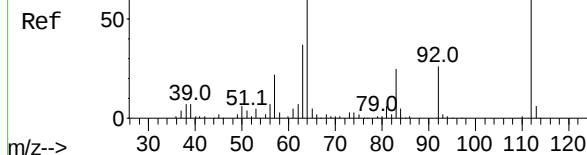
Concen: 108.231 ng

RT: 5.936 min Scan# 408

Delta R.T. 0.001 min

Lab File: BG056697.D

Acq: 22 Feb 2023 14:32



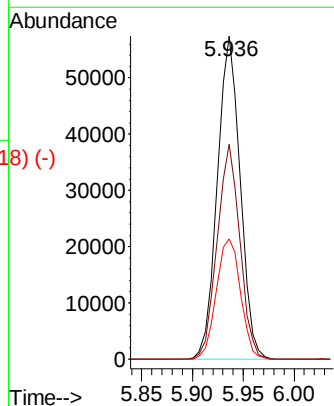
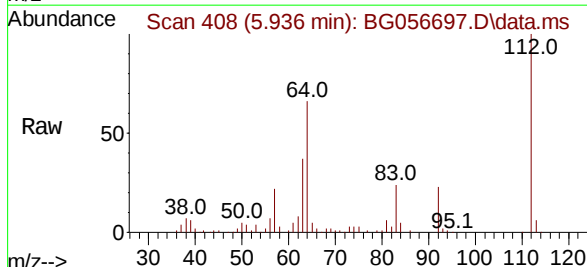
Tgt Ion:112 Resp: 89594

Ion Ratio Lower Upper

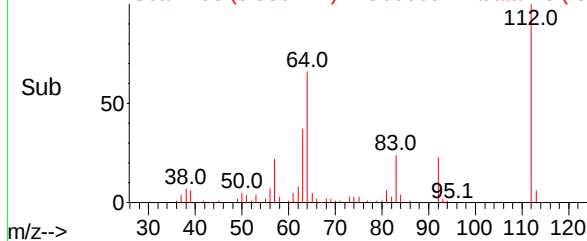
112 100

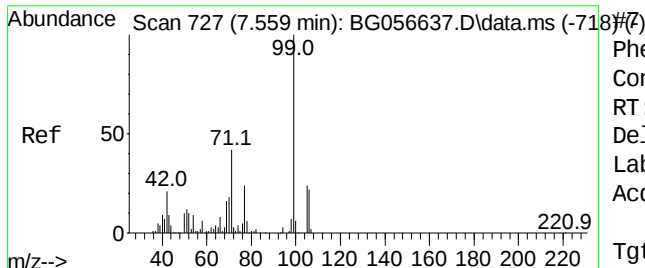
64 66.4 52.6 78.8

63 37.3 29.8 44.6



Abundance Scan 408 (5.936 min): BG056697.D\data.ms (-318) (-)

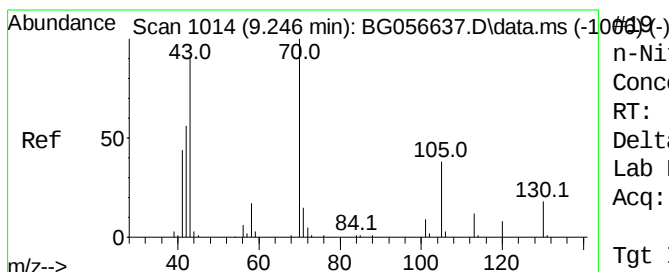
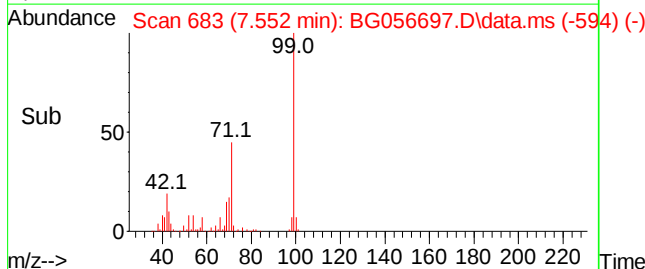
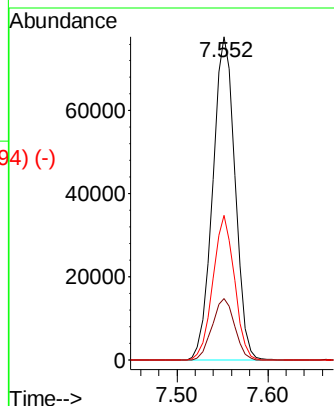
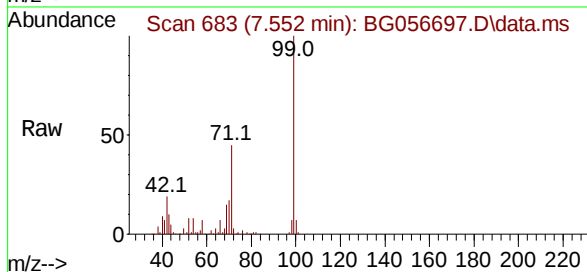




Phenol-d6
 Concen: 108.129 ng
 RT: 7.552 min Scan# 1000
 Delta R.T. -0.005 min
 Lab File: BG056697.D
 Acq: 22 Feb 2023 14:32

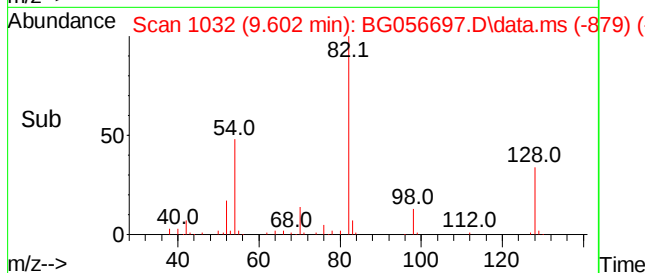
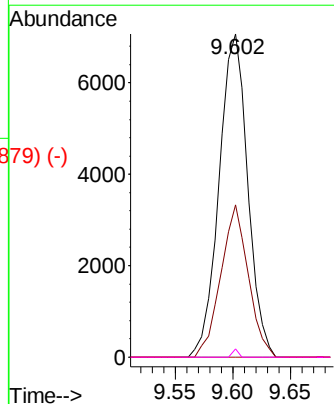
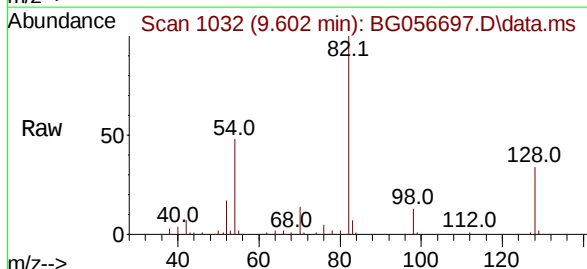
Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Tgt Ion:	99	Resp:	132220
Ion	Ratio	Lower	Upper
99	100		
42	19.1	16.8	25.2
71	44.8	33.9	50.9



n-Nitroso-di-n-propylamine
 Concen: 13.340 ng
 RT: 9.602 min Scan# 1032
 Delta R.T. 0.371 min
 Lab File: BG056697.D
 Acq: 22 Feb 2023 14:32

Tgt Ion:	70	Resp:	12212
Ion	Ratio	Lower	Upper
70	100		
42	47.2	45.7	68.5
101	0.0	7.4	11.0#
130	2.6	14.2	21.4#



Abundance Scan 1360 (11.278 min): BG056637.D\data.ms (-1321)

Naphthalene-d8

Concen: 20.000 ng

RT: 11.265 min Scan# 1321

Delta R.T. -0.005 min

Lab File: BG056697.D

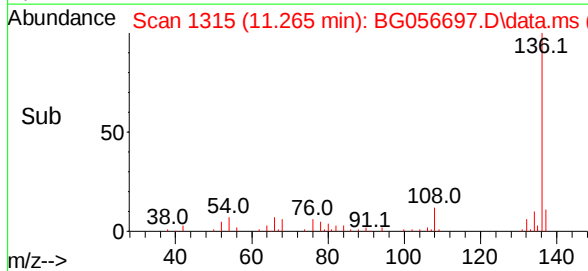
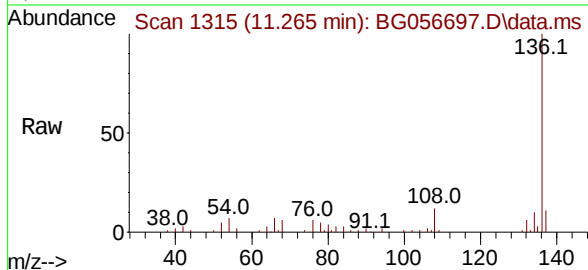
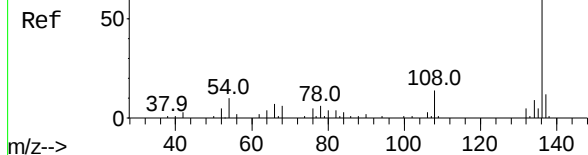
Acq: 22 Feb 2023 14:32

Instrument :

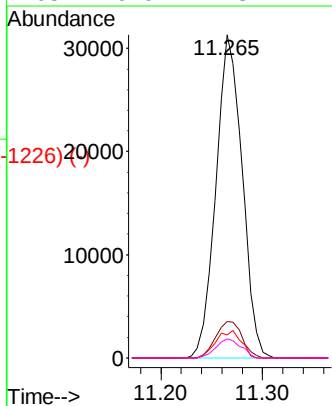
BNA_G

ClientSampleId :

TP-4



Tgt Ion:	136	Resp:	56091
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.7	14.5
54	7.2	7.7	11.5#
68	6.0	4.8	7.2



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

Nitrobenzene-d5

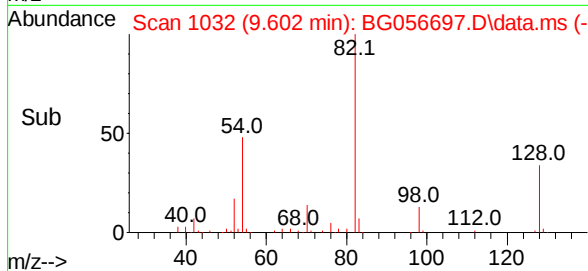
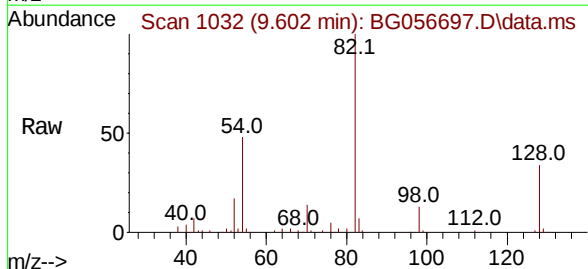
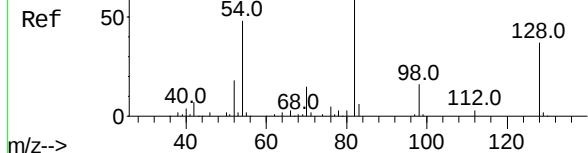
Concen: 78.008 ng

RT: 9.602 min Scan# 1032

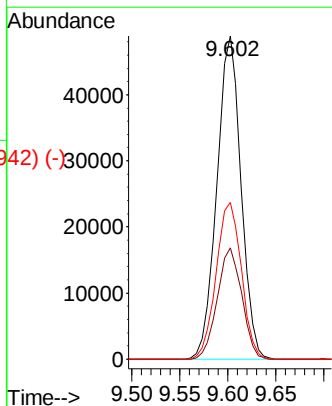
Delta R.T. 0.001 min

Lab File: BG056697.D

Acq: 22 Feb 2023 14:32



Tgt Ion:	82	Resp:	85458
Ion	Ratio	Lower	Upper
82	100		
128	34.4	29.4	44.2
54	48.4	37.8	56.6



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

Nitrobenzene

Concen: 2.946 ng

RT: 9.596 min Scan# 1956

Delta R.T. -0.052 min

Lab File: BG056697.D

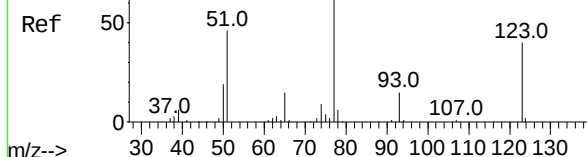
Acq: 22 Feb 2023 14:32

Instrument :

BNA_G

ClientSampleId :

TP-4



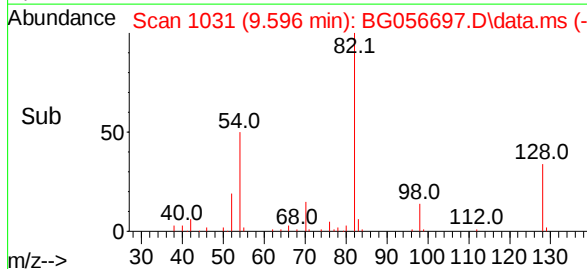
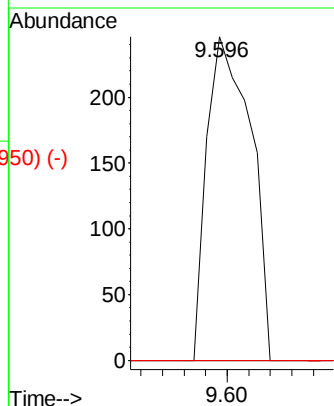
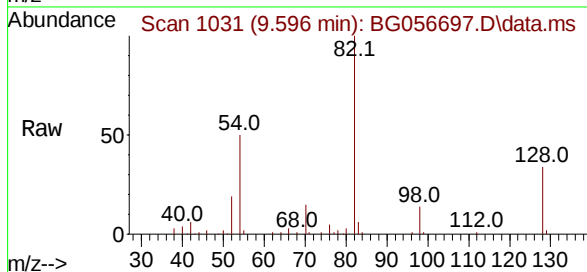
Tgt Ion: 77 Resp: 348

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

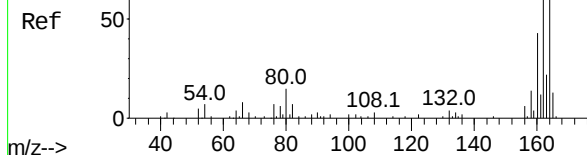
Concen: 20.000 ng

RT: 15.031 min Scan# 1956

Delta R.T. -0.005 min

Lab File: BG056697.D

Acq: 22 Feb 2023 14:32



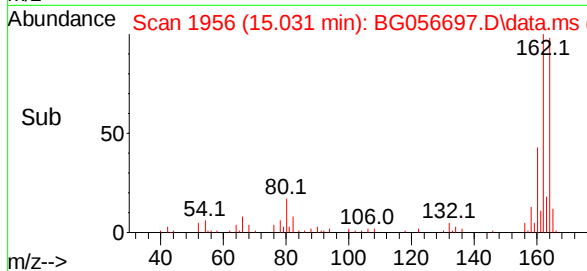
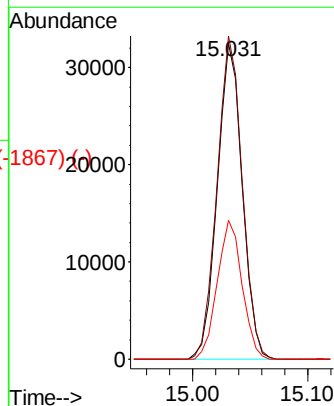
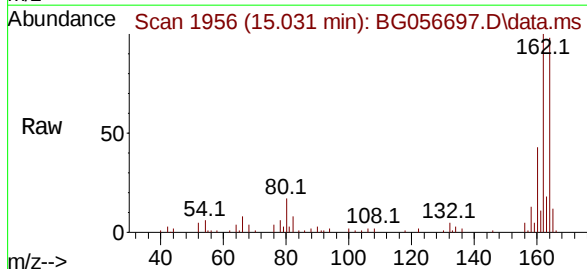
Tgt Ion: 164 Resp: 48862

Ion Ratio Lower Upper

164 100

162 102.5 81.3 121.9

160 44.0 35.2 52.8



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

2,4,6-Tribromophenol

Concen: 127.826 ng

RT: 16.506 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG056697.D

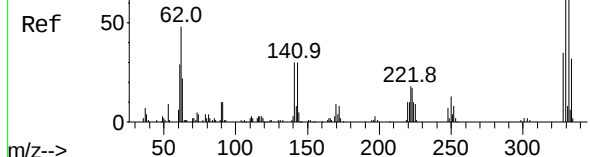
Acq: 22 Feb 2023 14:32

Instrument :

BNA_G

ClientSampleId :

TP-4



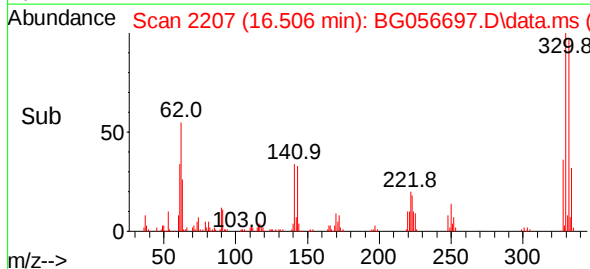
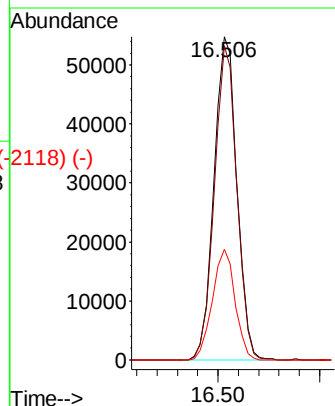
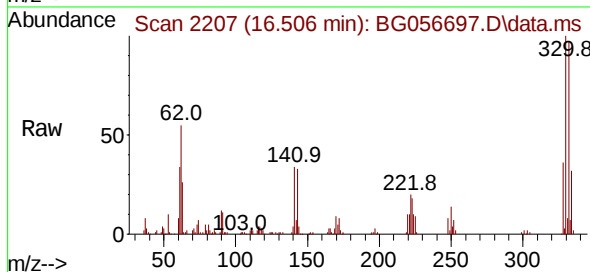
Tgt Ion:330 Resp: 85513

Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

141 33.7 24.6 37.0



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

2-Fluorobiphenyl

Concen: 58.667 ng

RT: 13.662 min Scan# 1723

Delta R.T. -0.005 min

Lab File: BG056697.D

Acq: 22 Feb 2023 14:32

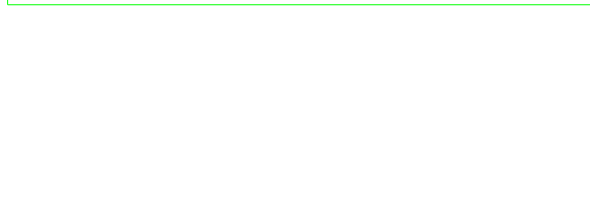
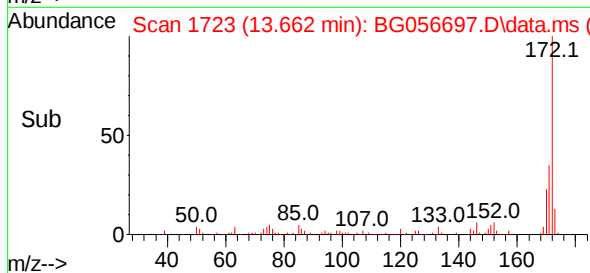
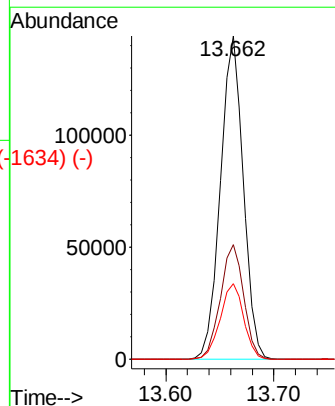
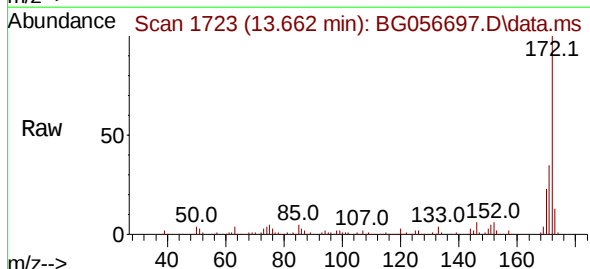
Tgt Ion:172 Resp: 214075

Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 23.3 19.4 29.0



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

2-Nitroaniline

Concen: 5.518 ng

RT: 13.662 min Scan# 1723

Delta R.T. -0.452 min

Lab File: BG056697.D

Acq: 22 Feb 2023 14:32

Instrument :

BNA_G

ClientSampleId :

TP-4

Tgt Ion: 65 Resp: 260

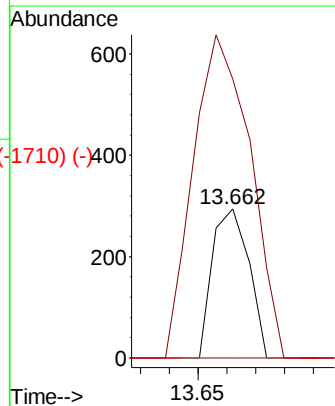
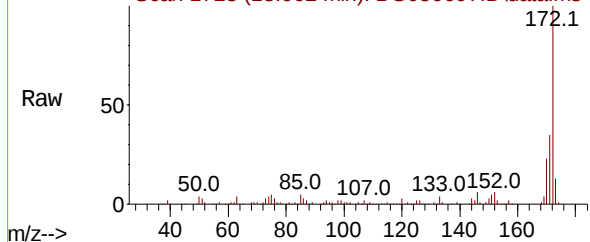
Ion Ratio Lower Upper

65 100

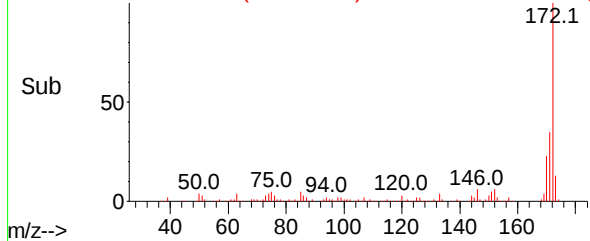
92 186.8 53.8 80.6#

138 0.0 90.6 135.8#

Abundance Scan 1723 (13.662 min): BG056697.D\data.ms



Abundance Scan 1723 (13.662 min): BG056697.D\data.ms (-1710) (-)



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

2,6-Dinitrotoluene

Concen: 9.912 ng

RT: 15.031 min Scan# 1956

Delta R.T. 0.435 min

Lab File: BG056697.D

Acq: 22 Feb 2023 14:32

Tgt Ion: 165 Resp: 6065

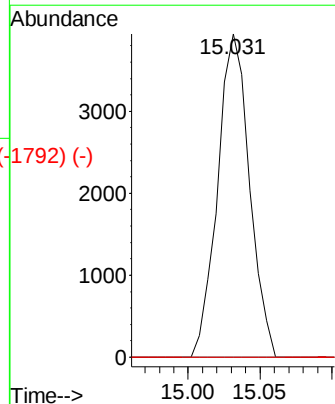
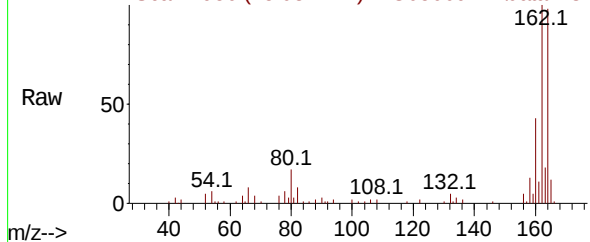
Ion Ratio Lower Upper

165 100

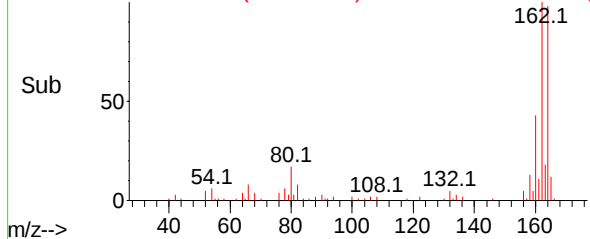
63 0.0 45.8 68.8#

89 0.0 48.2 72.2#

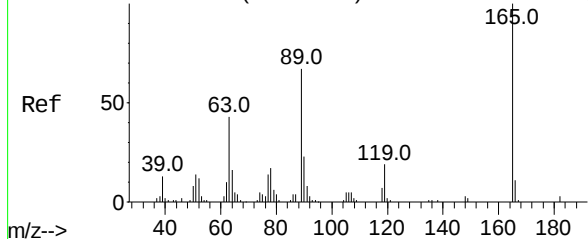
Abundance Scan 1956 (15.031 min): BG056697.D\data.ms



Abundance Scan 1956 (15.031 min): BG056697.D\data.ms (-1792) (-)



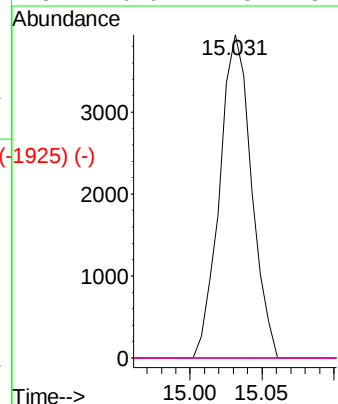
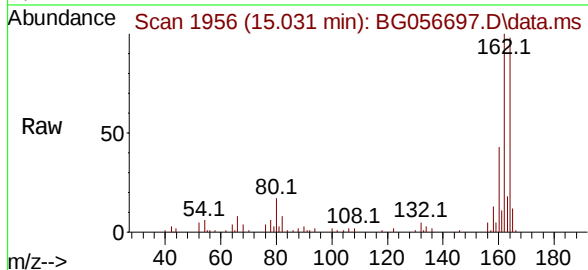
Abundance Scan 2058 (15.380 min): BG056637.D\data.ms (-2051) (-)



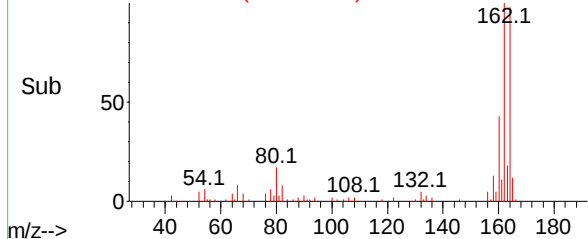
2,4-Dinitrotoluene
Concen: 6.157 ng
RT: 15.031 min Scan# 1
Delta R.T. -0.346 min
Lab File: BG056697.D
Acq: 22 Feb 2023 14:32

Instrument :
BNA_G
ClientSampleId :
TP-4

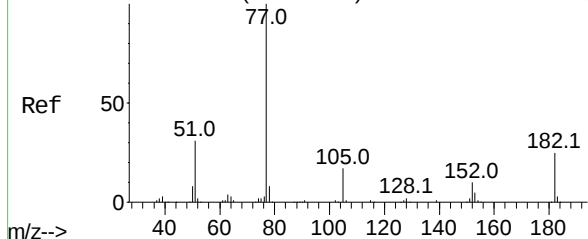
Tgt Ion:	165	Resp:	6065
Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.6	52.0#
89	0.0	53.8	80.8#
182	0.0	2.5	3.7#



Abundance Scan 1956 (15.031 min): BG056697.D\data.ms (-1925) (-)

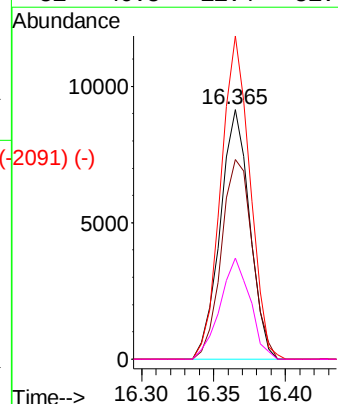
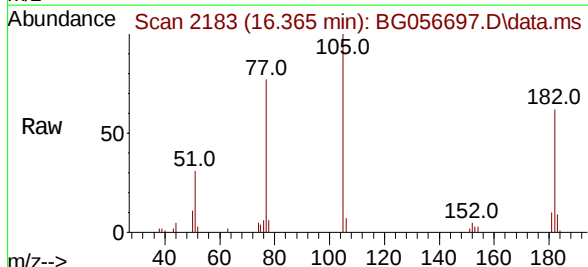


Abundance Scan 2224 (16.355 min): BG056637.D\data.ms (-2163) (-)

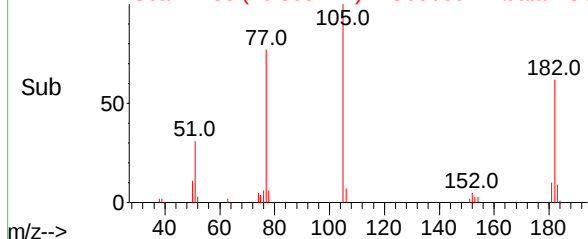


Azobenzene
Concen: 3.188 ng
RT: 16.365 min Scan# 2183
Delta R.T. 0.012 min
Lab File: BG056697.D
Acq: 22 Feb 2023 14:32

Tgt Ion:	77	Resp:	12999
Ion	Ratio	Lower	Upper
77	100		
182	80.0	5.2	45.2#
105	129.4	0.0	37.3#
51	40.5	11.4	51.4



Abundance Scan 2183 (16.365 min): BG056697.D\data.ms (-2091) (-)



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

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.763 min Scan# 2466

Delta R.T. -0.011 min

Lab File: BG056697.D

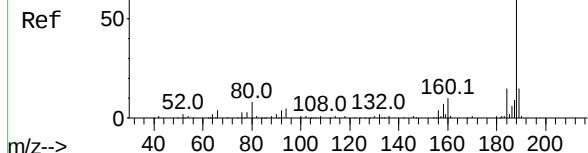
Acq: 22 Feb 2023 14:32

Instrument :

BNA_G

ClientSampleId :

TP-4



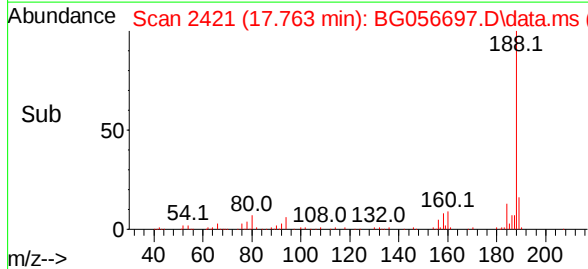
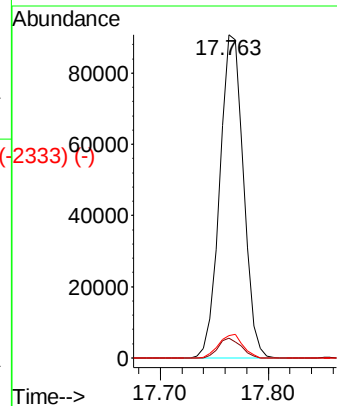
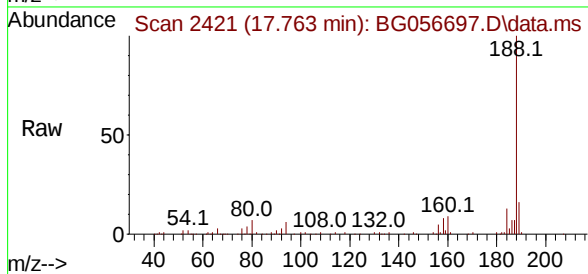
Tgt Ion:188 Resp: 139487

Ion Ratio Lower Upper

188 100

94 6.1 4.0 6.0#

80 6.9 6.3 9.5



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

4-Bromophenyl-phenylether

Concen: 3.541 ng

RT: 16.506 min Scan# 2207

Delta R.T. -0.446 min

Lab File: BG056697.D

Acq: 22 Feb 2023 14:32

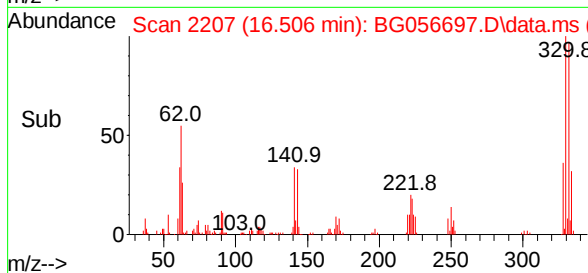
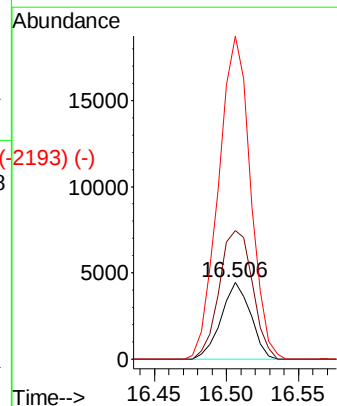
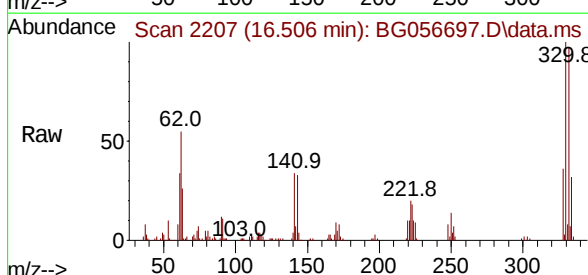
Tgt Ion:248 Resp: 6342

Ion Ratio Lower Upper

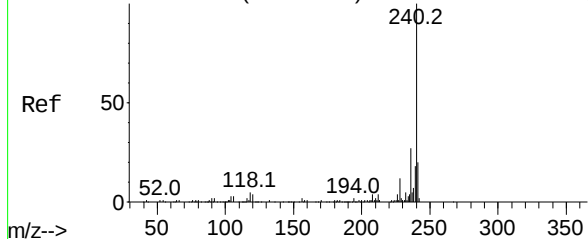
248 100

250 167.2 73.0 109.6#

141 419.9 45.6 68.4#



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



Chrysene-d12

Concen: 20.000 ng

RT: 22.076 min Scan#

Delta R.T. -0.011 min

Lab File: BG056697.D

Acq: 22 Feb 2023 14:32

Instrument :

BNA_G

ClientSampleId :

TP-4

Tgt Ion:240 Resp: 110662

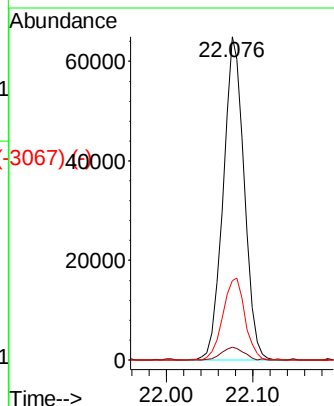
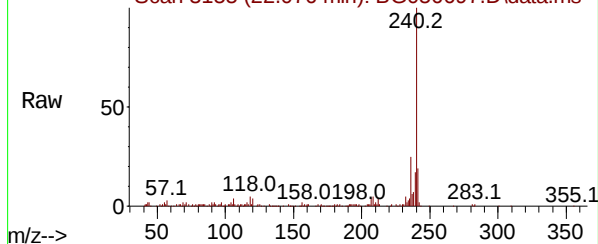
Ion Ratio Lower Upper

240 100

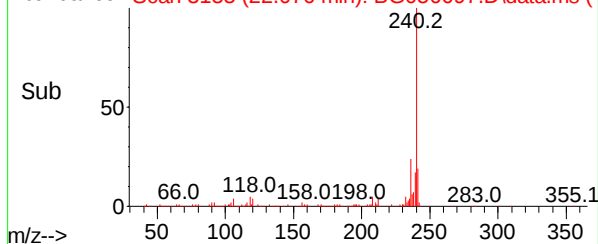
120 4.0 3.5 5.3

236 24.6 21.5 32.3

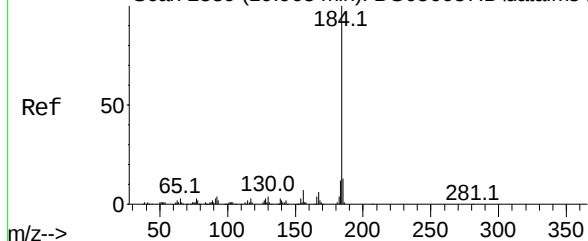
Abundance Scan 3155 (22.076 min): BG056697.D\data.ms



Abundance Scan 3155 (22.076 min): BG056697.D\data.ms (-3067) (-)



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



Benzidine

Concen: 3.095 ng

RT: 20.331 min Scan# 2858

Delta R.T. 0.371 min

Lab File: BG056697.D

Acq: 22 Feb 2023 14:32

Tgt Ion:184 Resp: 8193

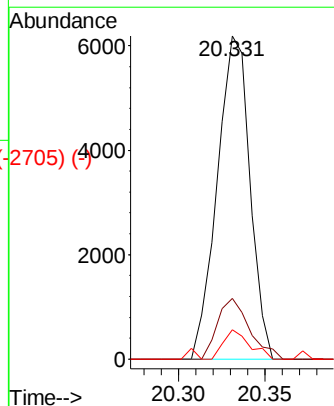
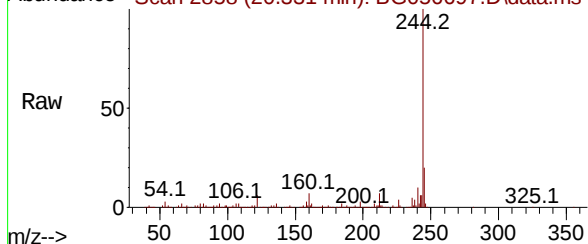
Ion Ratio Lower Upper

184 100

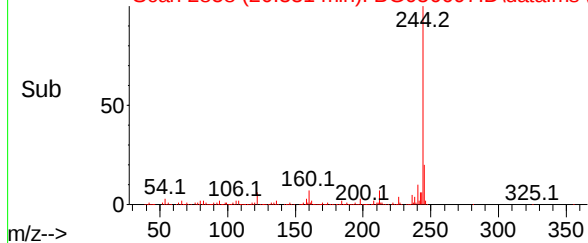
185 18.9 10.6 15.8#

183 9.2 9.4 14.0#

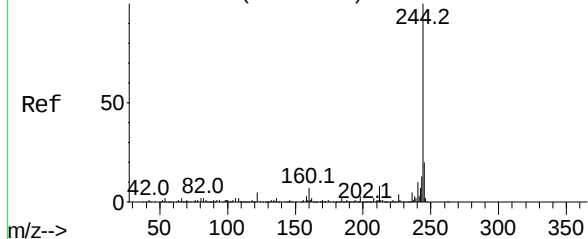
Abundance Scan 2858 (20.331 min): BG056697.D\data.ms



Abundance Scan 2858 (20.331 min): BG056697.D\data.ms (-2705) (-)



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



Terphenyl-d14

Concen: 68.442 ng

RT: 20.331 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG056697.D

Acq: 22 Feb 2023 14:32

Instrument :

BNA_G

ClientSampleId :

TP-4

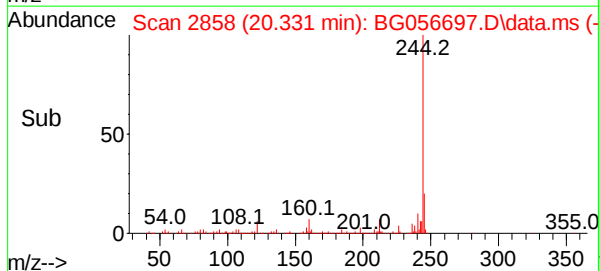
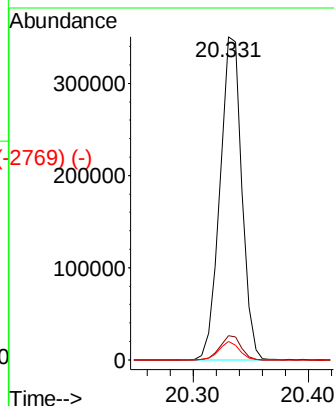
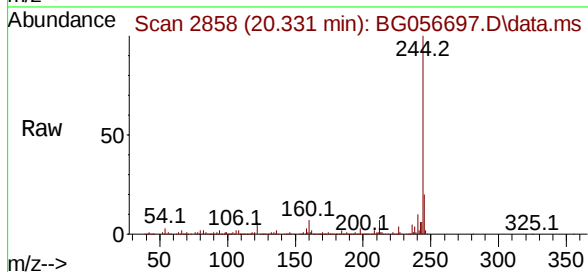
Tgt Ion:244 Resp: 462921

Ion Ratio Lower Upper

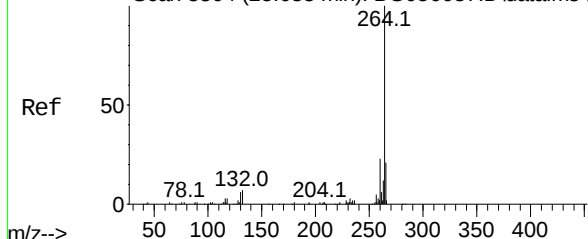
244 100

212 7.4 6.0 9.0

122 5.8 3.8 5.8#



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



Perylene-d12

Concen: 20.000 ng

RT: 25.613 min Scan# 3757

Delta R.T. -0.011 min

Lab File: BG056697.D

Acq: 22 Feb 2023 14:32

Tgt Ion:264 Resp: 123814

Ion Ratio Lower Upper

264 100

260 24.4 18.6 27.8

265 23.4 17.0 25.4

