

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051019\
 Data File : BG040858.D
 Acq On : 10 May 2019 23:13
 Operator : HP/JU
 Sample : K2727-02RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OWS-3RE

Quant Time: May 11 05:44:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

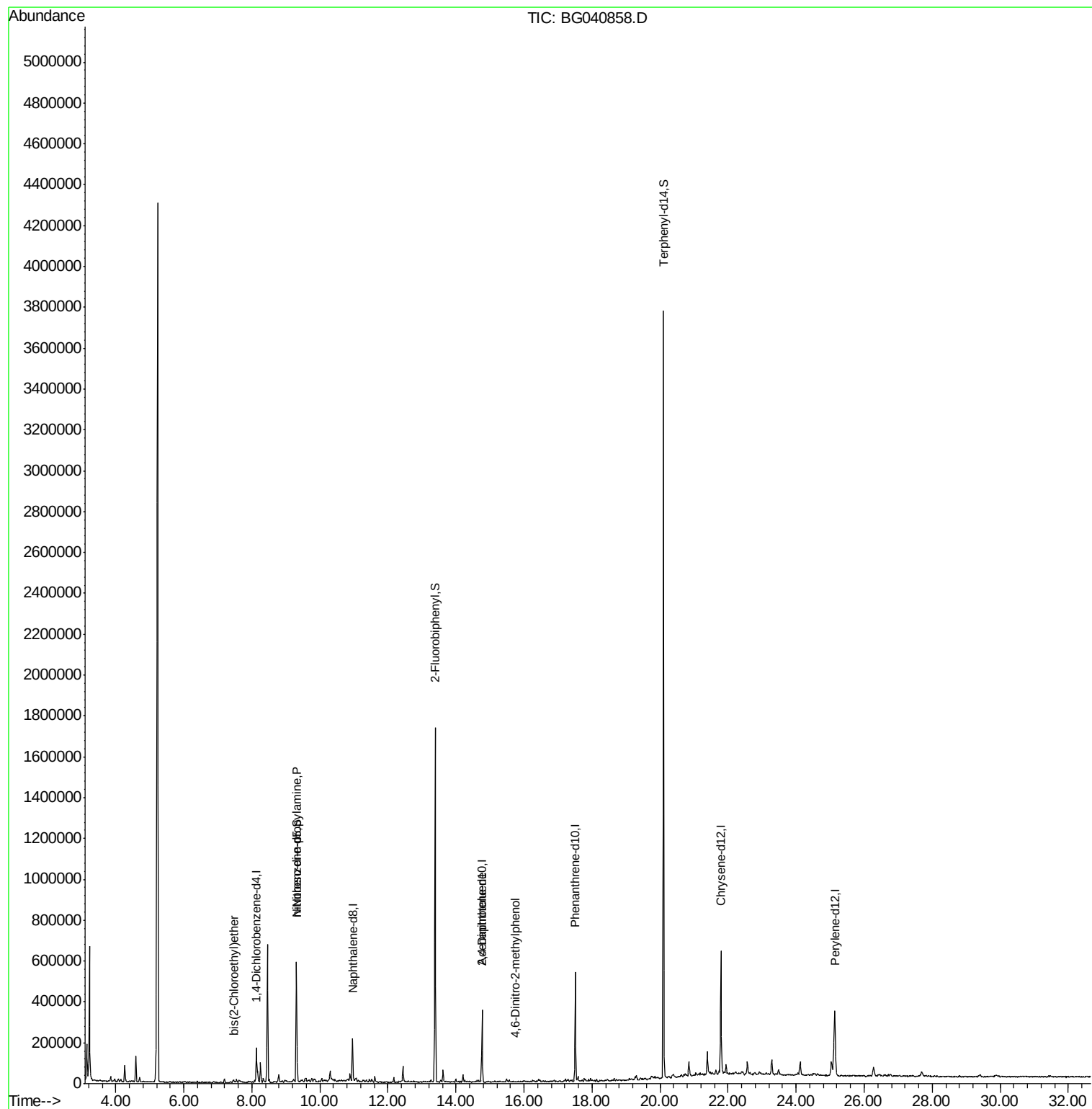
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	42375	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	165400	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	123049	20.00	ng	-0.03
64) Phenanthrene-d10	17.50	188	325612	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	354165	20.00	ng	-0.04
87) Perylene-d12	25.14	264	365831	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	7.27	99	62	0.02	ng	-0.02
23) Nitrobenzene-d5	9.31	82	353235	98.68	ng	-0.03
42) 2,4,6-Tribromophenol	16.26	330	2033	1.20	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	845043	99.18	ng	-0.03
79) Terphenyl-d14	20.10	244	1739780	108.83	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.27	77	121	Below Cal		Qvalue # 15
11) bis(2-Chloroethyl)ether	7.46	93	6809	2.282 ng	#	19
19) n-Nitroso-di-n-propylamine	9.31	70	55873	16.769 ng	#	68
57) 2,4-Dinitrotoluene	14.76	165	16145	5.913 ng	#	15
65) 4,6-Dinitro-2-methylphenol	15.73	198	54	7.130 ng	#	28

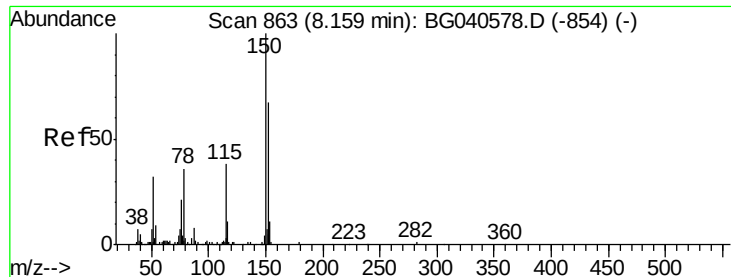
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051019\
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ALS Vial : 6 Sample Multiplier: 1

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: BG040858.D

Acq: 10 May 2019 23:13

Instrument :

BNA_G

ClientSampleId :

OVS-3RE

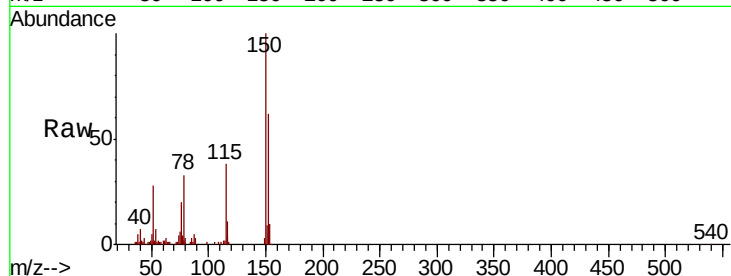
Tgt Ion:152 Resp: 42375

Ion Ratio Lower Upper

152 100

150 162.4 120.2 180.2

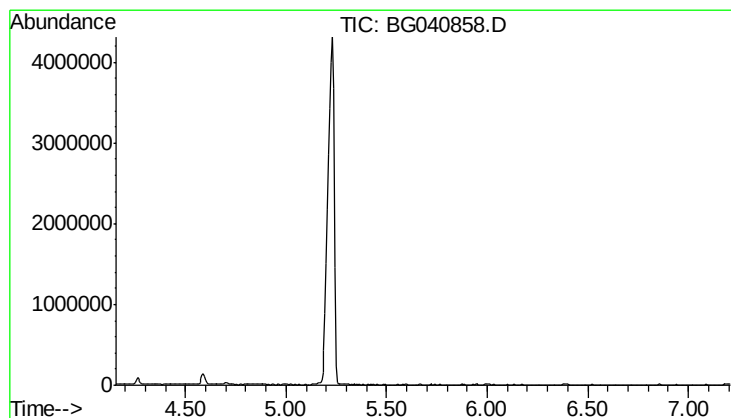
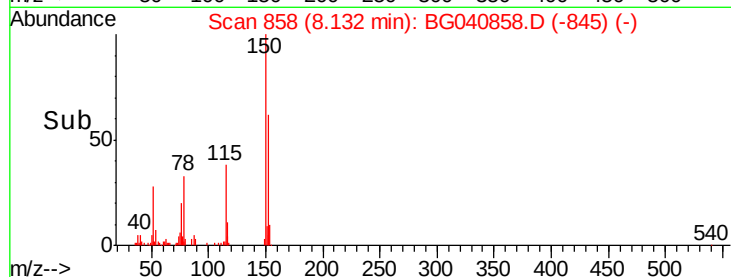
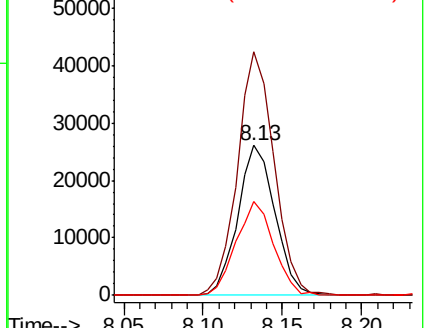
115 62.4 46.2 69.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.68 min

Lab File: BG040858.D

Acq: 10 May 2019 23:13

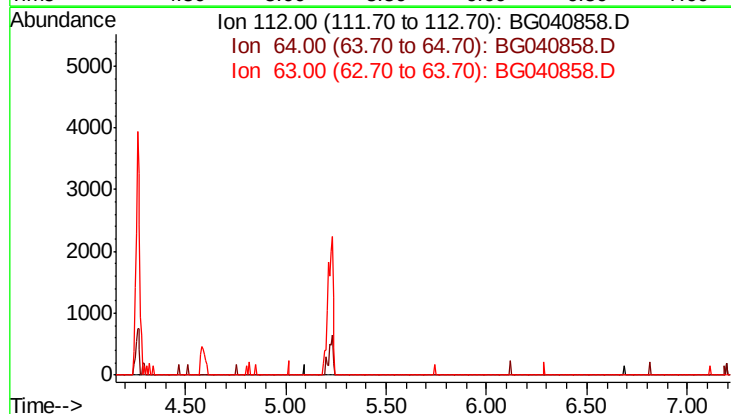
Tgt Ion: 112

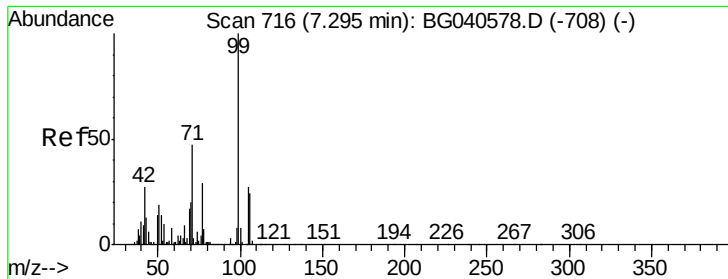
Sig Exp Ratio

112 100

64 76.7

63 47.2





#7

Phenol-d6

Concen: 0.017 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040858.D

Acq: 10 May 2019 23:13

Instrument :

BNA_G

ClientSampleId :

OWS-3RE

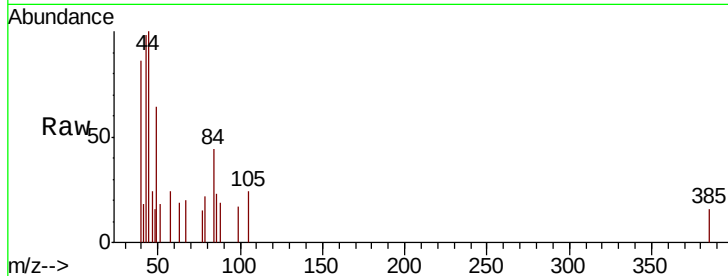
Tgt Ion: 99 Resp: 62

Ion Ratio Lower Upper

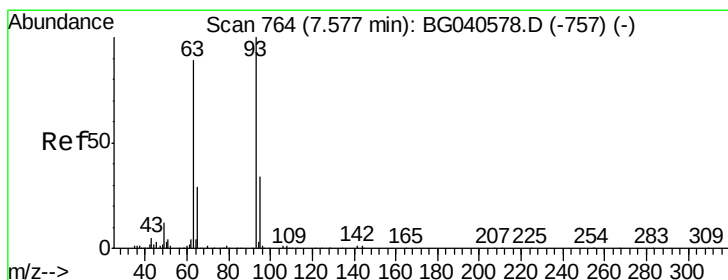
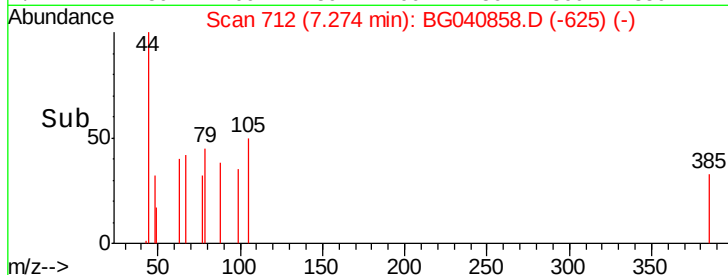
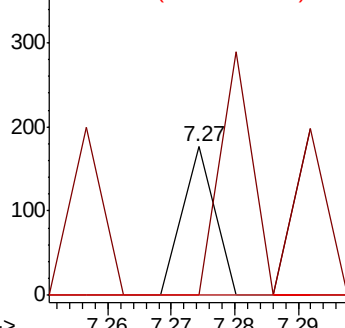
99 100

42 0.0 21.8 32.8#

71 0.0 38.6 57.8#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 2.282 ng

RT: 7.46 min Scan# 743

Delta R.T. -0.12 min

Lab File: BG040858.D

Acq: 10 May 2019 23:13

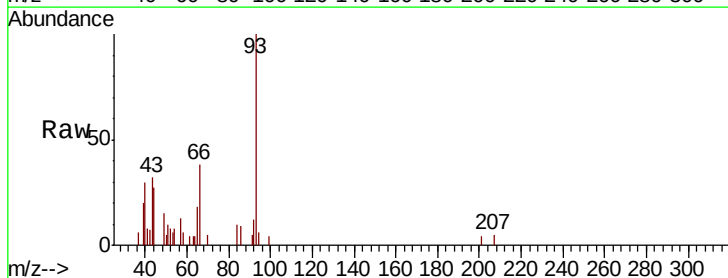
Tgt Ion: 93 Resp: 6809

Ion Ratio Lower Upper

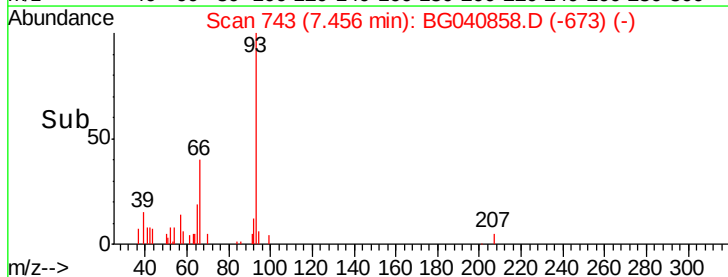
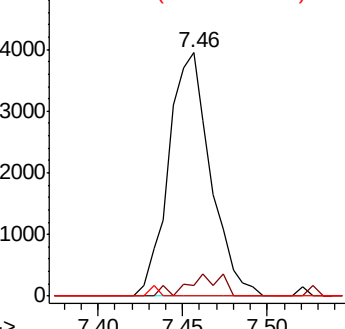
93 100

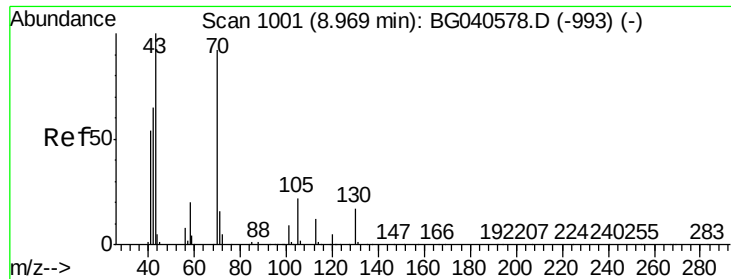
63 4.5 68.2 108.2#

95 0.0 14.3 54.3#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.769 ng

RT: 9.31 min Scan# 1059

Delta R.T. 0.34 min

Lab File: BG040858.D

Acq: 10 May 2019 23:13

Instrument :

BNA_G

ClientSampleId :

OVS-3RE

Tgt Ion: 70 Resp: 55873

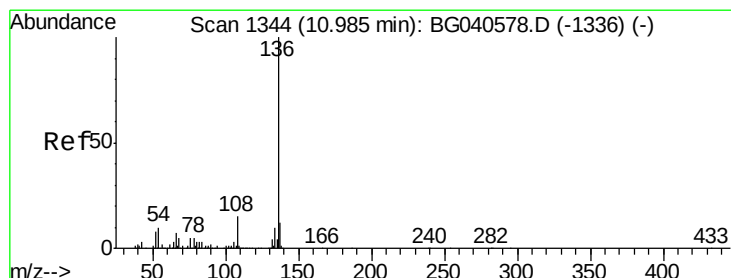
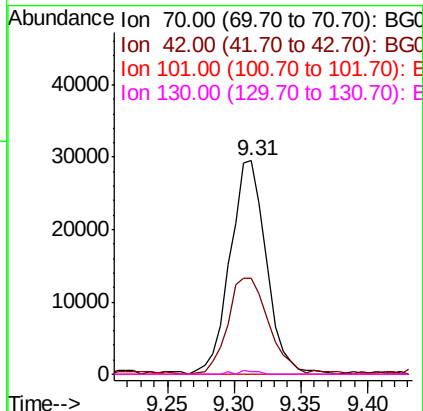
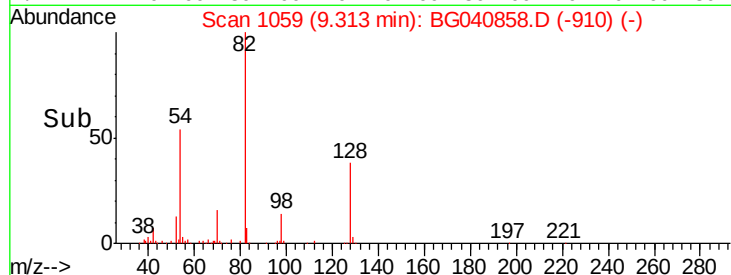
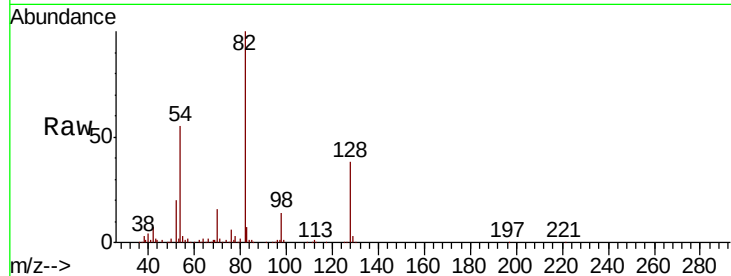
Ion Ratio Lower Upper

70 100

42 45.0 57.1 85.7#

101 0.0 7.8 11.8#

130 1.4 14.6 21.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.96 min Scan# 1339

Delta R.T. -0.03 min

Lab File: BG040858.D

Acq: 10 May 2019 23:13

Tgt Ion: 136 Resp: 165400

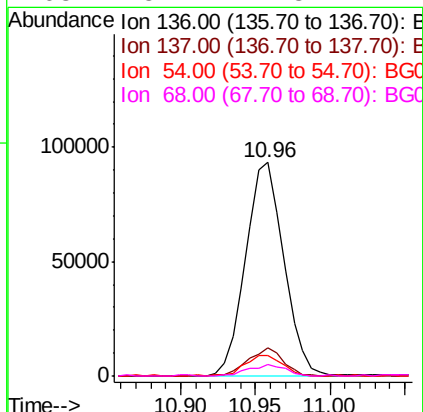
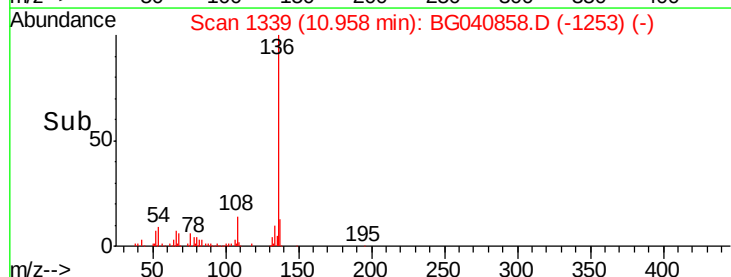
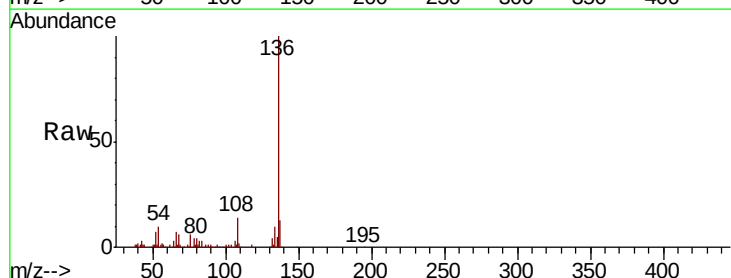
Ion Ratio Lower Upper

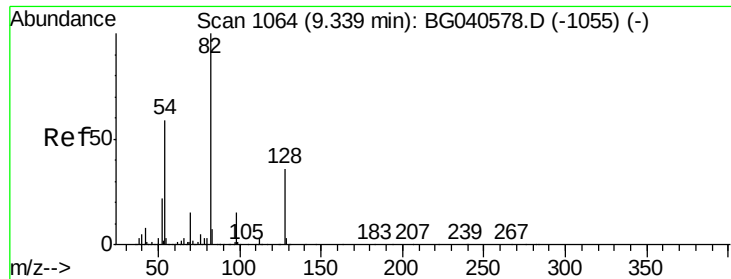
136 100

137 12.9 9.7 14.5

54 9.5 8.6 12.8

68 5.7 4.8 7.2

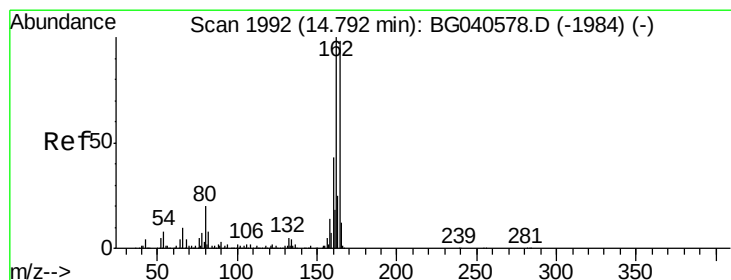
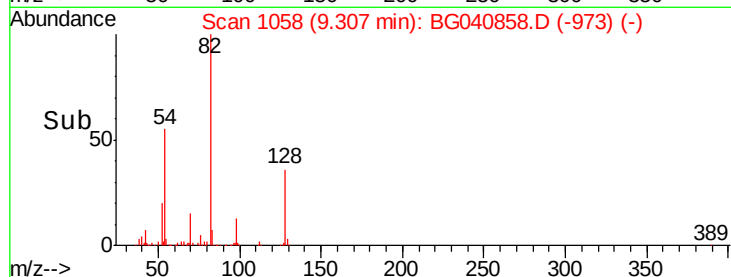
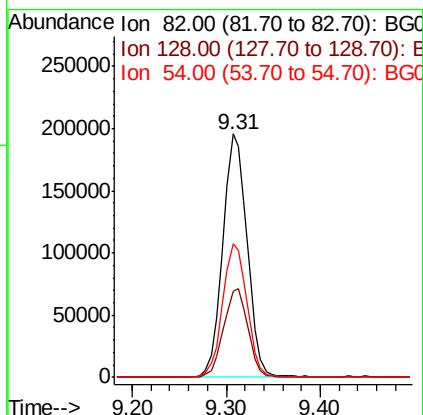
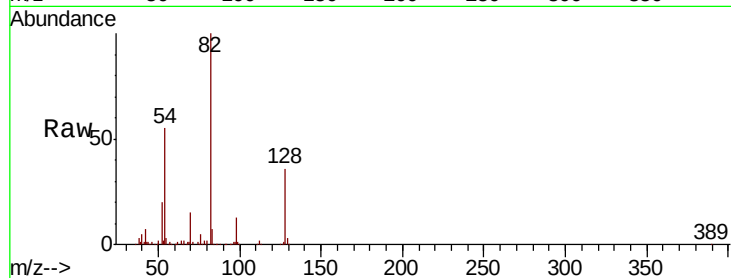




#23
 Nitrobenzene-d5
 Concen: 98.680 ng
 RT: 9.31 min Scan# 1058
 Delta R.T. -0.03 min
 Lab File: BG040858.D
 Acq: 10 May 2019 23:13

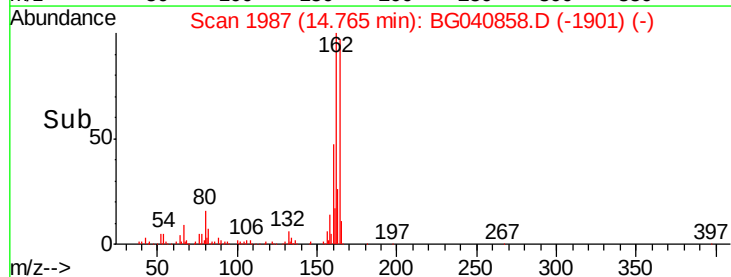
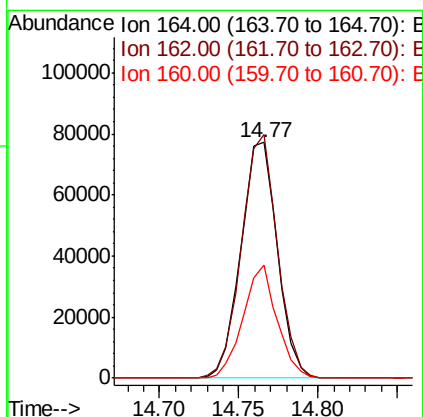
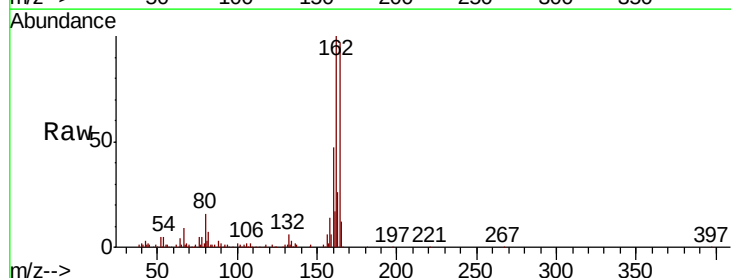
Instrument :
 BNA_G
 ClientSampleId :
 OWS-3RE

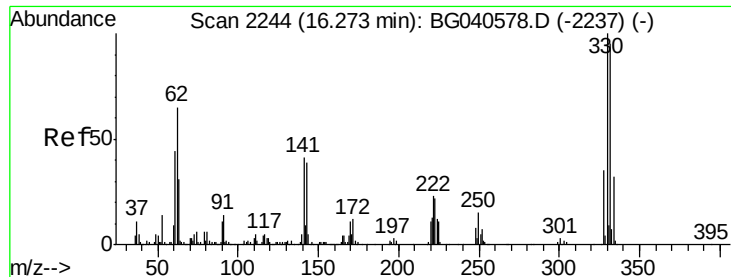
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.5	28.9	43.3
54	55.0	47.2	70.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1987
 Delta R.T. -0.03 min
 Lab File: BG040858.D
 Acq: 10 May 2019 23:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.9	122.9
160	48.2	35.4	53.2

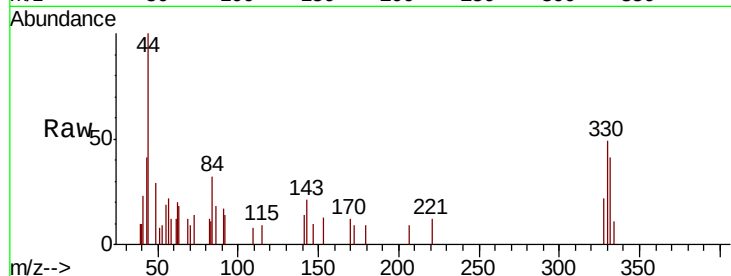




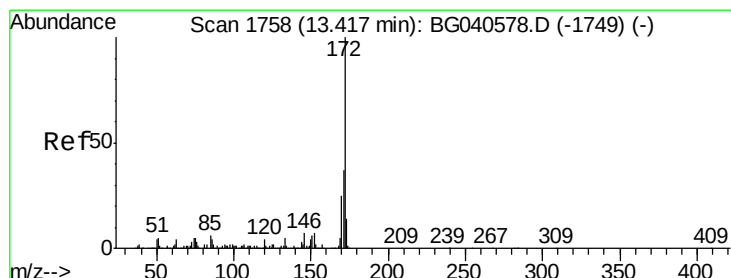
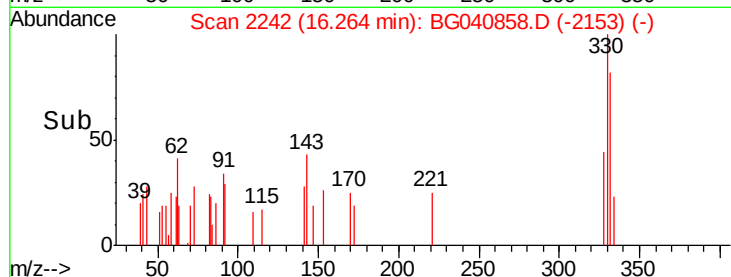
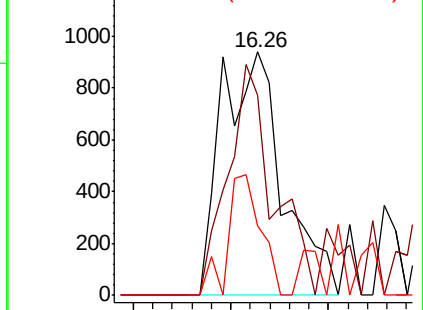
#42
 2,4,6-Tribromophenol
 Concen: 1.202 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: BG040858.D
 Acq: 10 May 2019 23:13

Instrument :
 BNA_G
 ClientSampleId :
 OWS-3RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	70.4	75.9	113.9#
141	26.6	32.4	48.6#

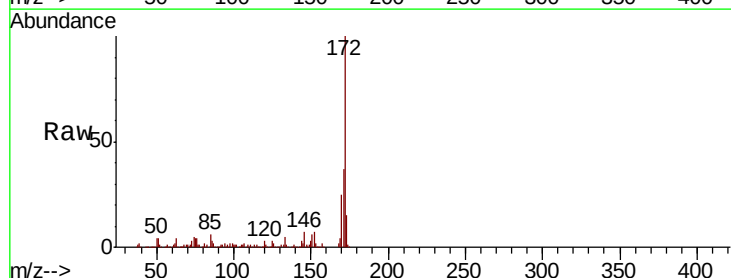


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

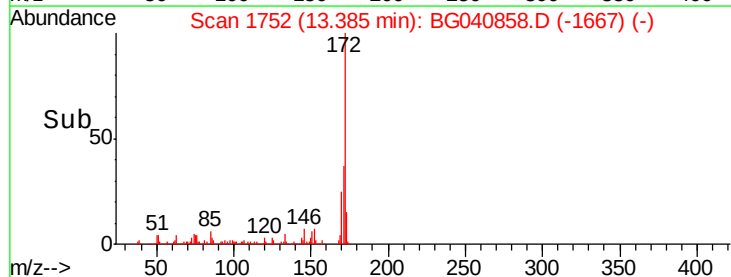
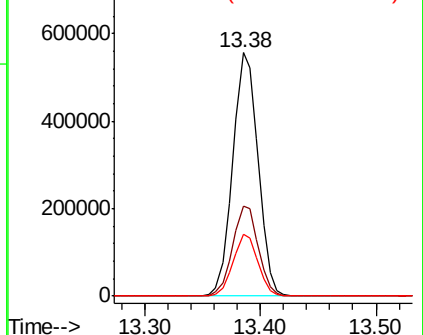


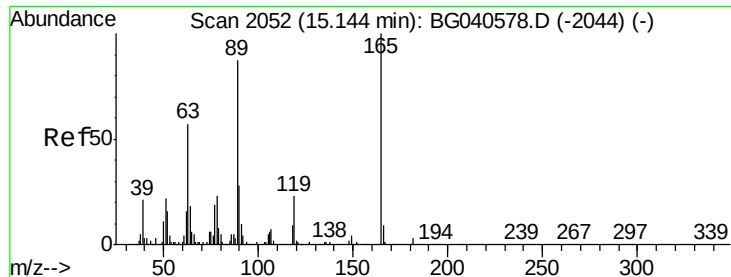
#45
 2-Fluorobiphenyl
 Concen: 99.181 ng
 RT: 13.38 min Scan# 1752
 Delta R.T. -0.03 min
 Lab File: BG040858.D
 Acq: 10 May 2019 23:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.4	44.2
170	25.3	19.9	29.9



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#57

2,4-Dinitrotoluene

Concen: 5.913 ng

RT: 14.76 min Scan# 1986

Delta R.T. -0.38 min

Lab File: BG040858.D

Acq: 10 May 2019 23:13

Instrument :

BNA_G

ClientSampleId :

OWS-3RE

Tgt Ion:165 Resp: 16145

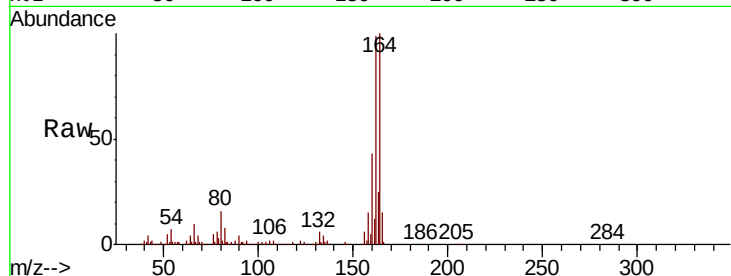
Ion Ratio Lower Upper

165 100

63 1.6 45.8 68.8#

89 0.0 69.4 104.2#

182 0.0 2.2 3.4#

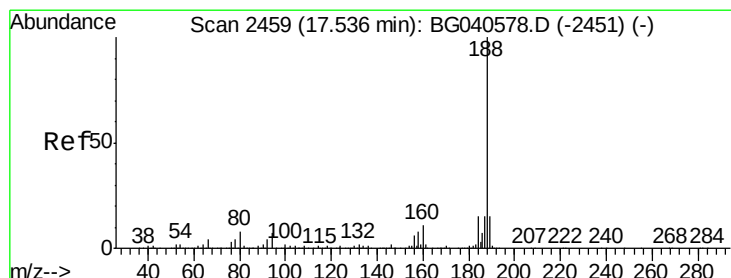
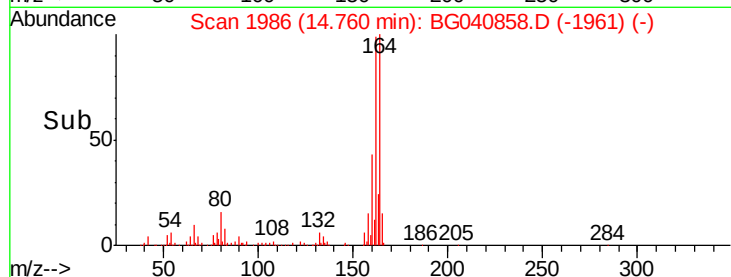
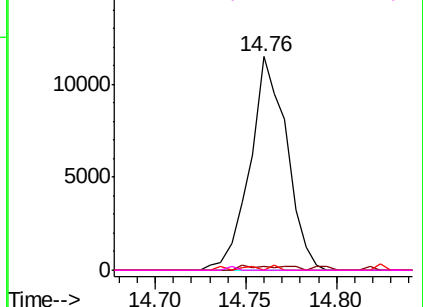


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2453

Delta R.T. -0.03 min

Lab File: BG040858.D

Acq: 10 May 2019 23:13

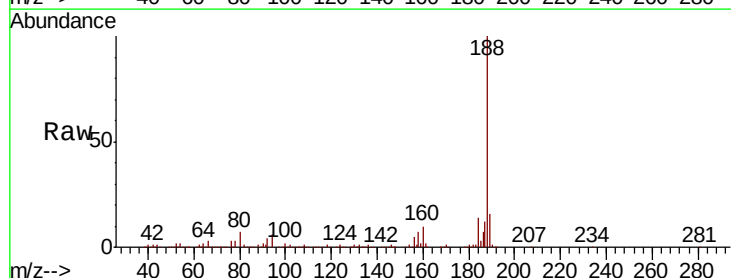
Tgt Ion:188 Resp: 325612

Ion Ratio Lower Upper

188 100

94 5.7 5.6 8.4

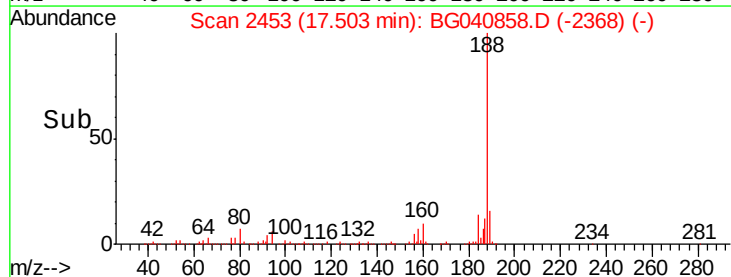
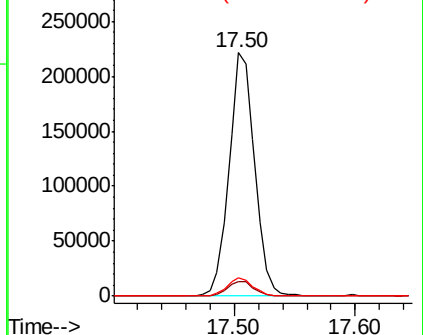
80 7.4 6.4 9.6

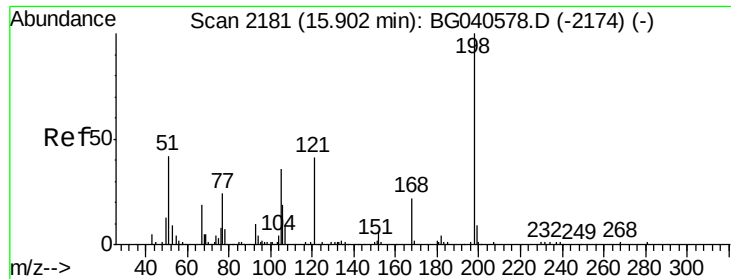


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

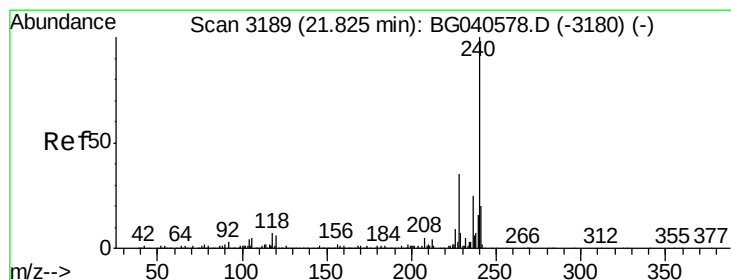
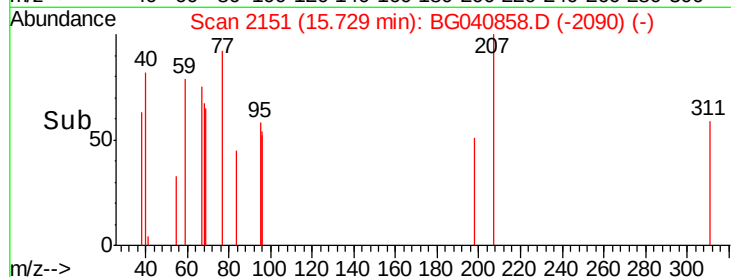
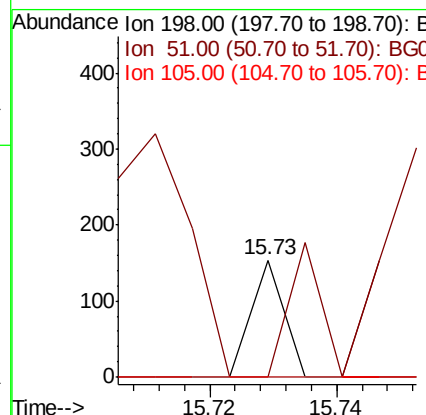
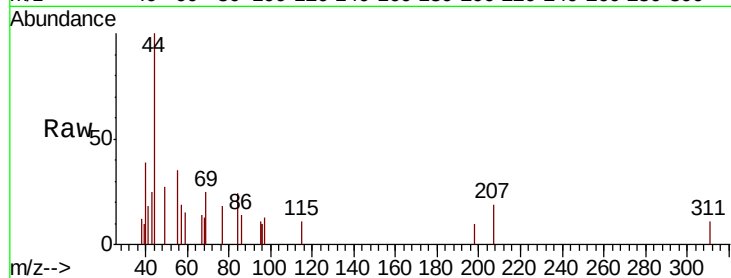




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.130 ng
 RT: 15.73 min Scan# 2151
 Delta R.T. -0.17 min
 Lab File: BG040858.D
 Acq: 10 May 2019 23:13

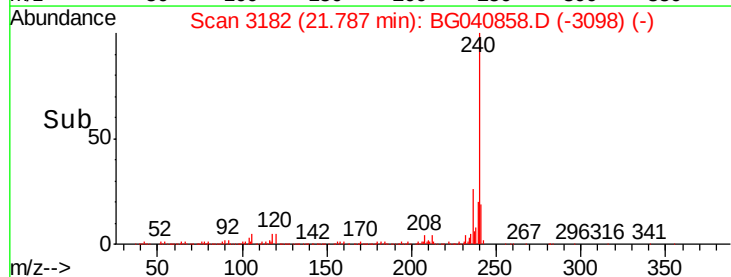
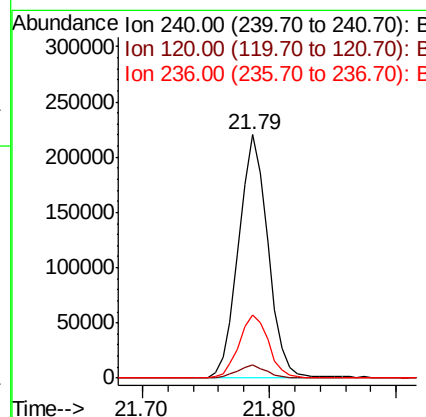
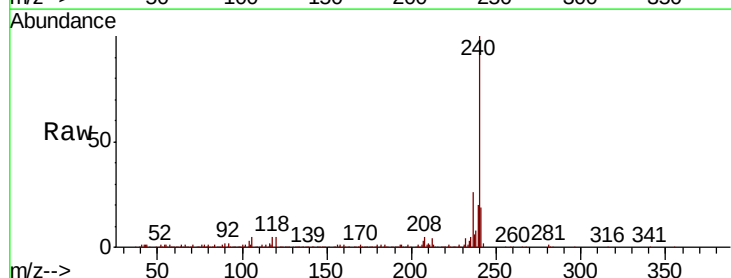
Instrument :
 BNA_G
 ClientSampleId :
 QWS-3RE

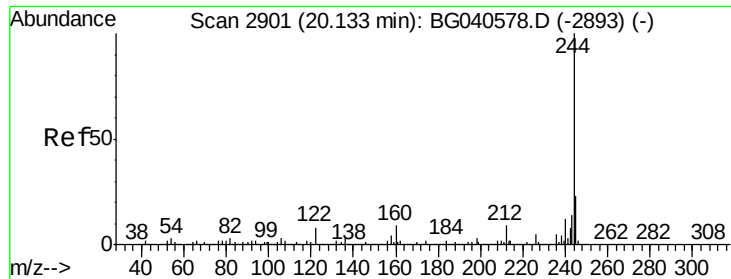
Tgt Ion:198 Resp: 54
 Ion Ratio Lower Upper
 198 100
 51 0.0 35.9 75.9#
 105 0.0 21.2 61.2#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3182
 Delta R.T. -0.04 min
 Lab File: BG040858.D
 Acq: 10 May 2019 23:13

Tgt Ion:240 Resp: 354165
 Ion Ratio Lower Upper
 240 100
 120 5.2 5.0 7.6
 236 25.7 20.3 30.5





#79

Terphenyl-d14

Concen: 108.829 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.03 min

Lab File: BG040858.D

Acq: 10 May 2019 23:13

Instrument :

BNA_G

ClientSampleId :

OWS-3RE

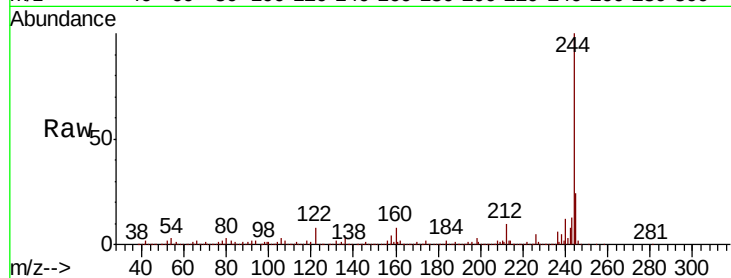
Tgt Ion:244 Resp: 1739780

Ion Ratio Lower Upper

244 100

212 9.7 7.2 10.8

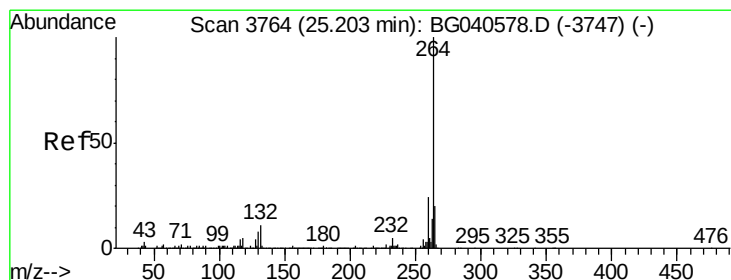
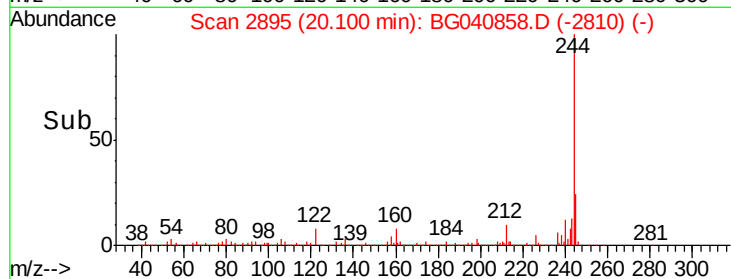
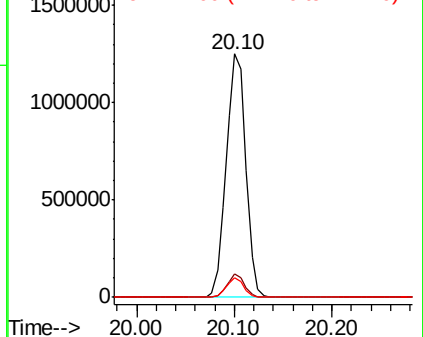
122 8.0 6.6 10.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.14 min Scan# 3752

Delta R.T. -0.07 min

Lab File: BG040858.D

Acq: 10 May 2019 23:13

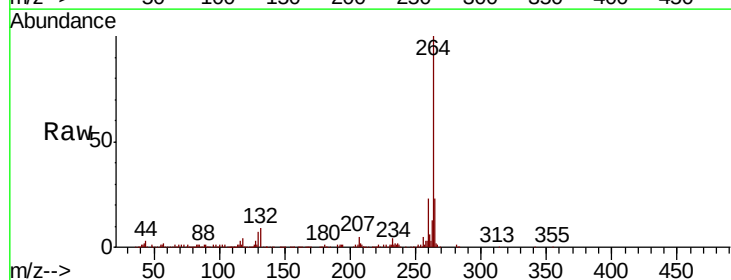
Tgt Ion:264 Resp: 365831

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.8 16.6 25.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

