

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040633.D
 Acq On : 26 Apr 2019 17:28
 Operator : JU/SJ
 Sample : K2566-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 27 02:03:34 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

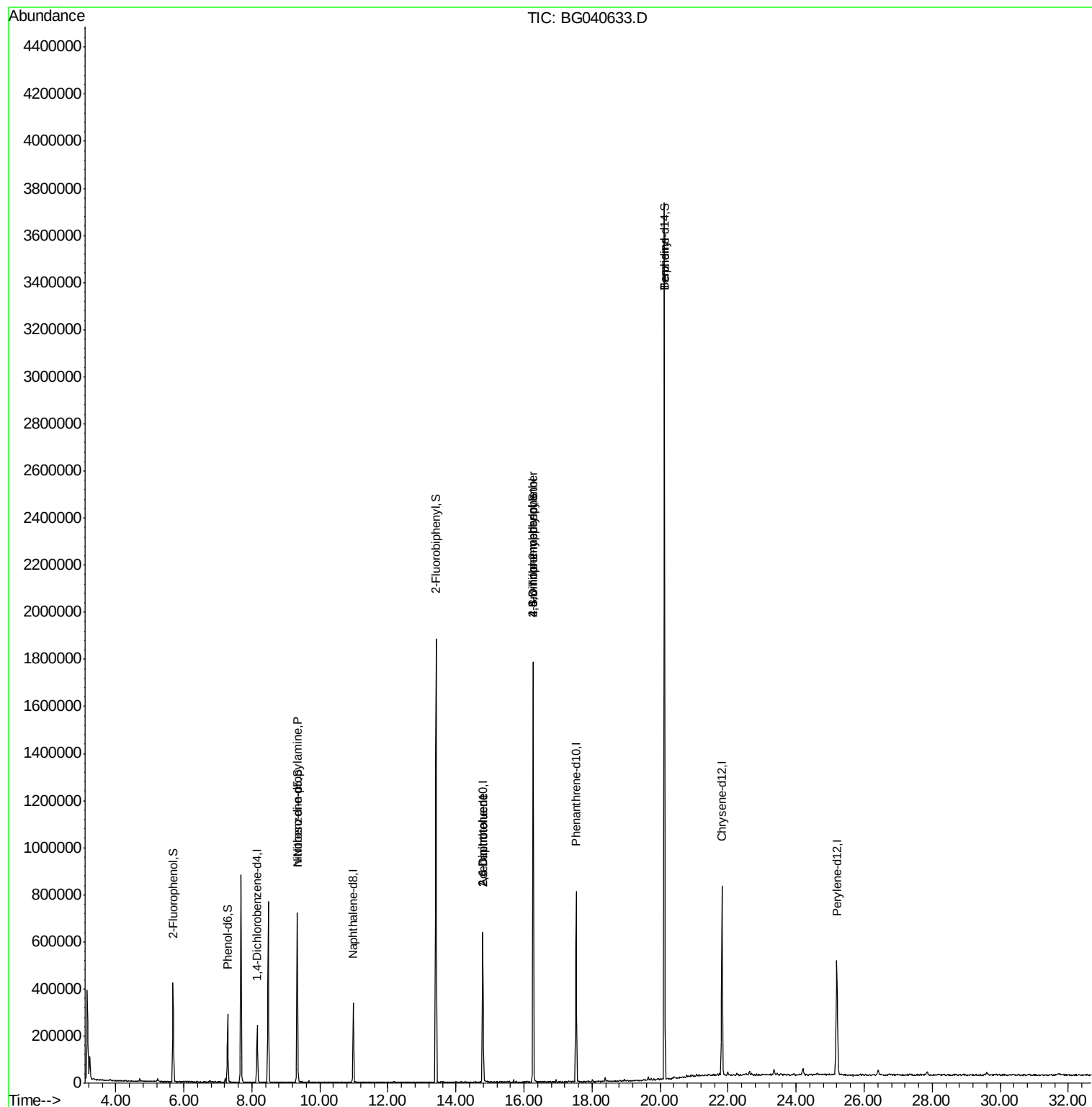
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	56915	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	250043	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	190337	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	482528	20.00	ng	0.00
76) Chrysene-d12	21.82	240	478222	20.00	ng	0.00
87) Perylene-d12	25.19	264	501157	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	153475	47.53	ng	0.00
7) Phenol-d6	7.29	99	136562	27.47	ng	0.00
23) Nitrobenzene-d5	9.34	82	415994	76.87	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	297288	113.63	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	901915	68.43	ng	0.00
79) Terphenyl-d14	20.13	244	1664491	77.11	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	98	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.34	70	61797	13.809 ng	#	6
51) 2,6-Dinitrotoluene	14.78	165	22708	7.306 ng	#	74
57) 2,4-Dinitrotoluene	14.78	165	22708	5.377 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.27	198	1262	7.553 ng	#	18
67) 4-Bromophenyl-phenylether	16.27	248	22959	3.819 ng	#	6
77) Benizidine	20.13	184	31752	2.425 ng	#	1
					#	94

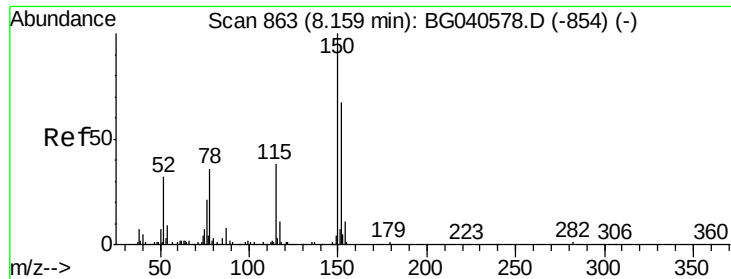
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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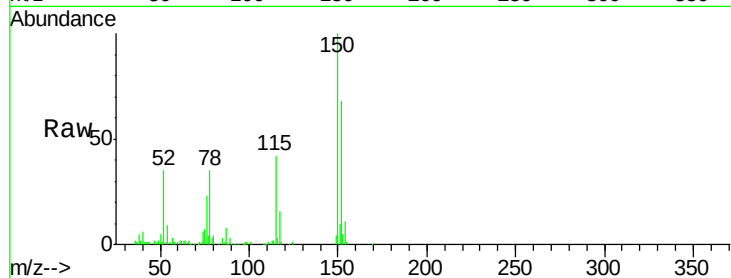


#1

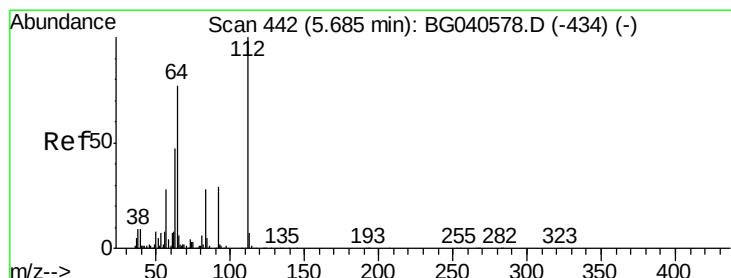
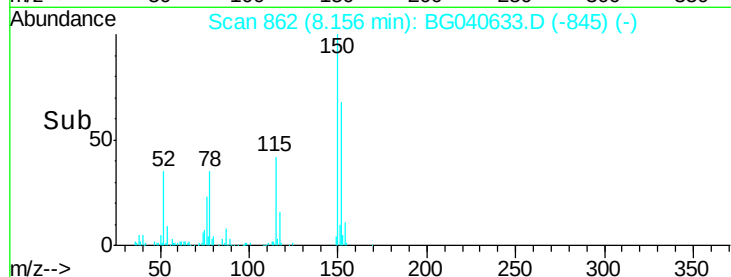
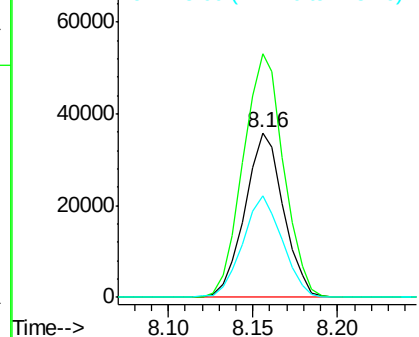
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040633.D
Acq: 26 Apr 2019 17:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.8	120.2	180.2
115	61.6	46.2	69.2



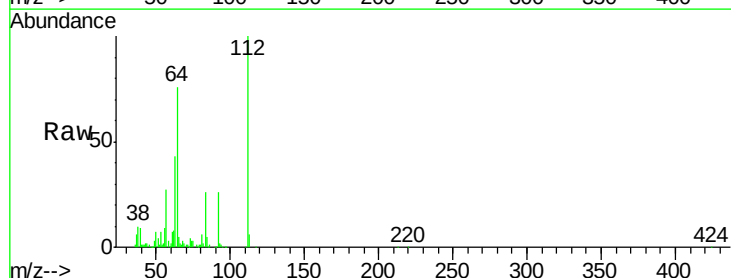
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



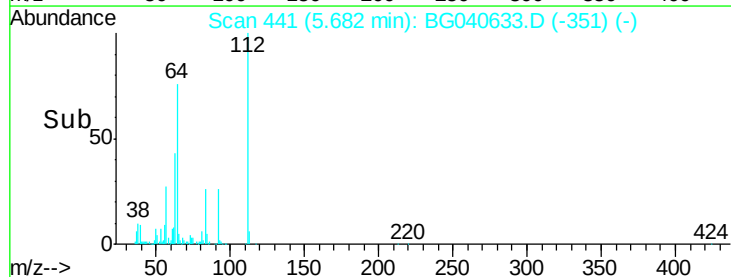
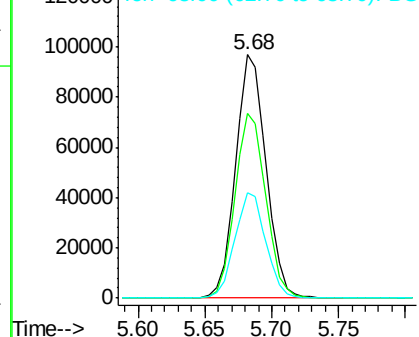
#5

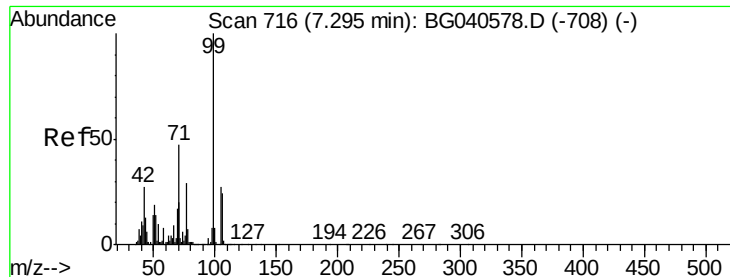
2-Fluorophenol
Concen: 47.534 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040633.D
Acq: 26 Apr 2019 17:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.9	61.4	92.0
63	43.3	37.8	56.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 27.470 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040633.D

Acq: 26 Apr 2019 17:28

Instrument :

BNA_G

ClientSampleId :

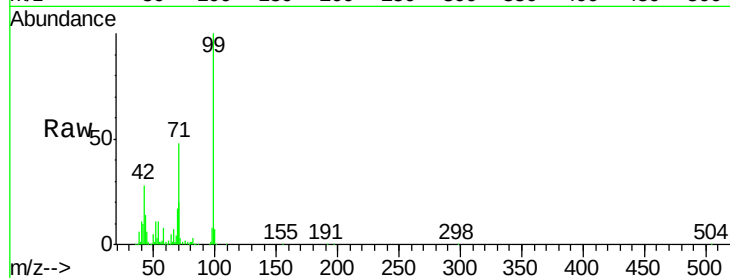
Tot Ion: 99 Resp: 136562

Ion Ratio Lower Upper

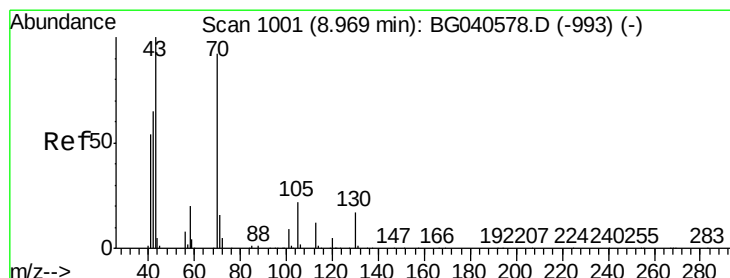
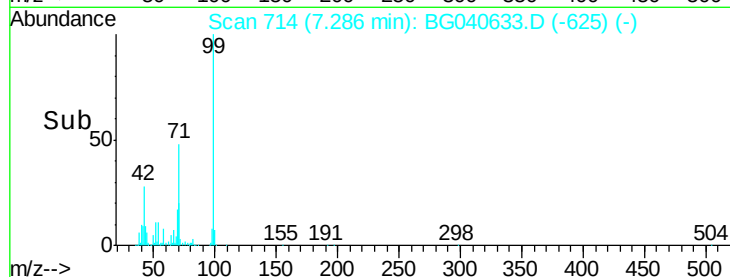
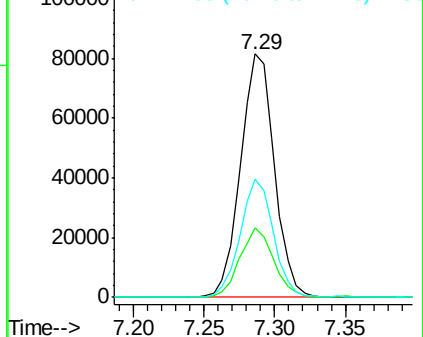
99 100

42 28.3 21.8 32.8

71 48.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.809 ng

RT: 9.34 min Scan# 1063

Delta R.T. 0.37 min

Lab File: BG040633.D

Acq: 26 Apr 2019 17:28

Tgt Ion: 70 Resp: 61797

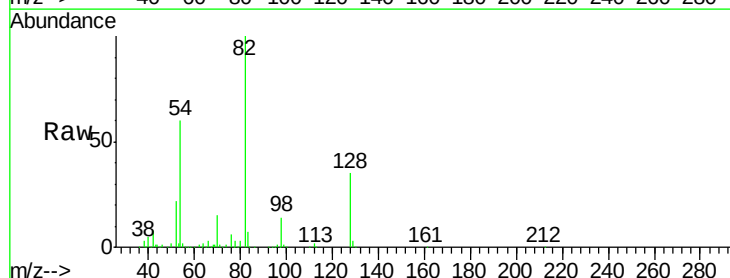
Ion Ratio Lower Upper

70 100

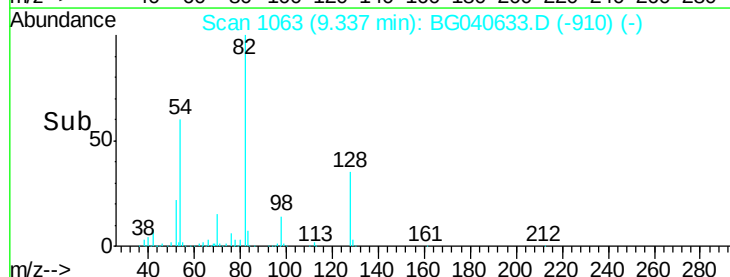
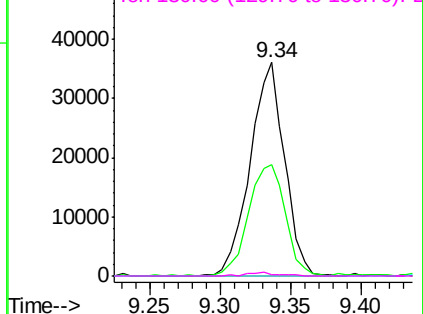
42 52.1 57.1 85.7#

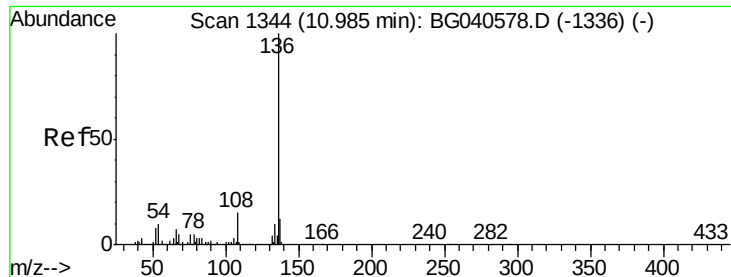
101 0.0 7.8 11.8#

130 0.9 14.6 21.8#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

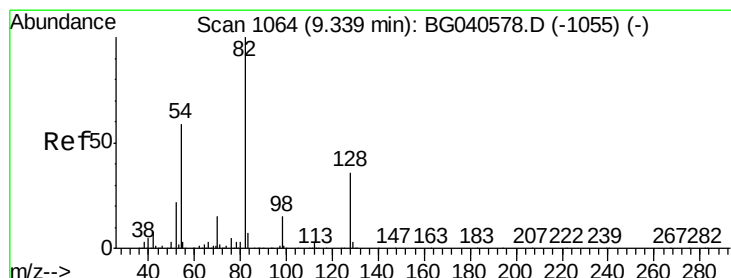
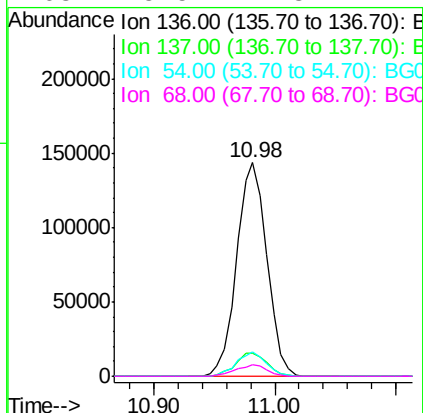
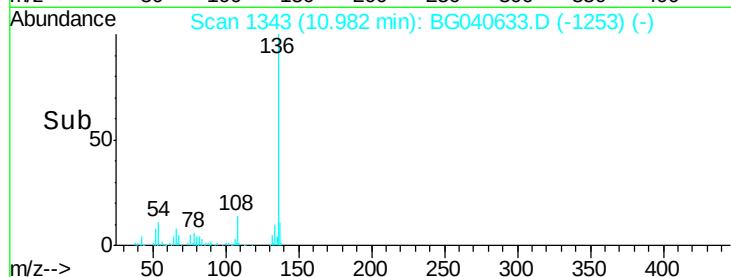
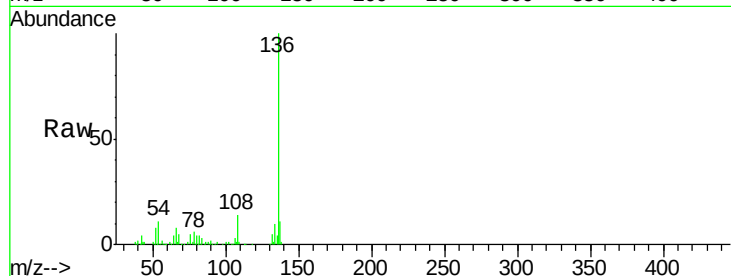




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG040633.D
Acq: 26 Apr 2019 17:28

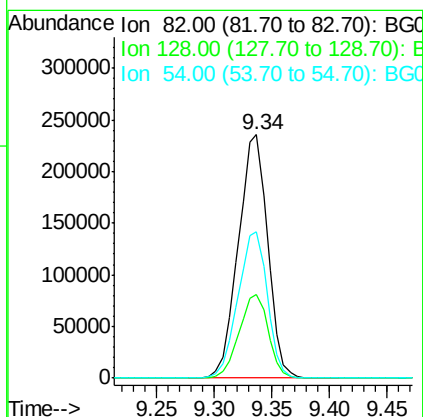
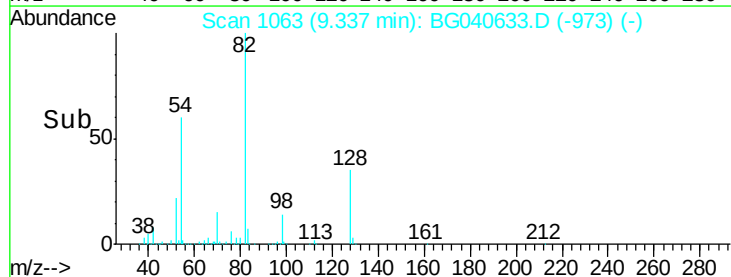
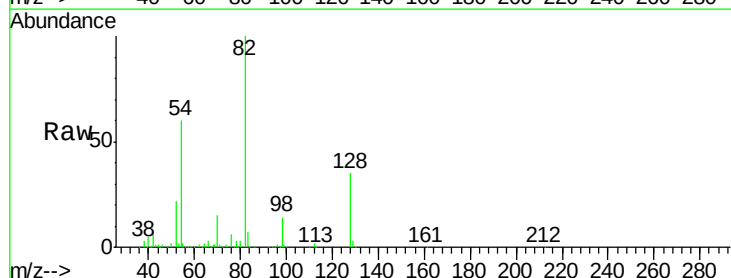
Instrument :
BNA_G
ClientSampleId :

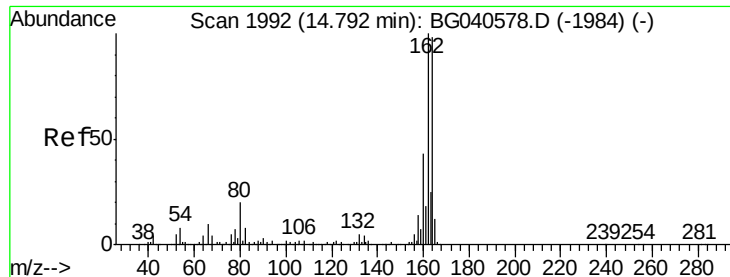
Tot Ion:136	Resp: 250043
Ion Ratio	Lower Upper
136 100	
137 10.9	9.7 14.5
54 11.3	8.6 12.8
68 5.5	4.8 7.2



#23
Nitrobenzene-d5
Concen: 76.873 ng
RT: 9.34 min Scan# 1063
Delta R.T. -0.00 min
Lab File: BG040633.D
Acq: 26 Apr 2019 17:28

Tgt Ion: 82	Resp: 415994
Ion Ratio	Lower Upper
82 100	
128 34.5	28.9 43.3
54 60.1	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040633.D

Acq: 26 Apr 2019 17:28

Instrument :

BNA_G

ClientSampleId :

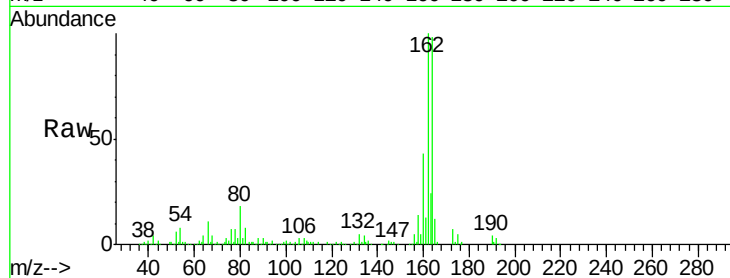
Tot Ion:164 Resp: 190337

Ion Ratio Lower Upper

164 100

162 102.0 81.9 122.9

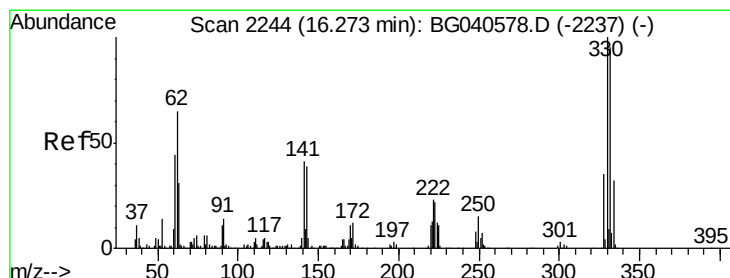
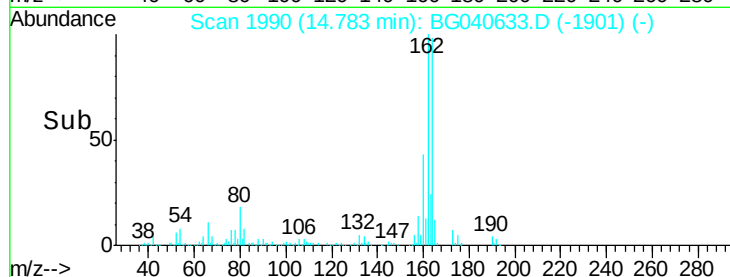
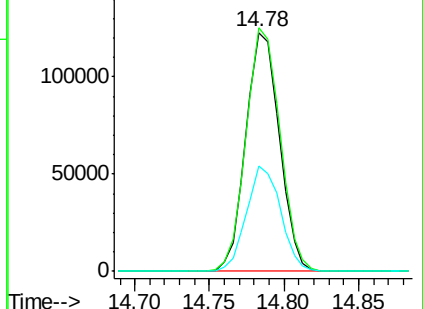
160 44.2 35.4 53.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 113.632 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG040633.D

Acq: 26 Apr 2019 17:28

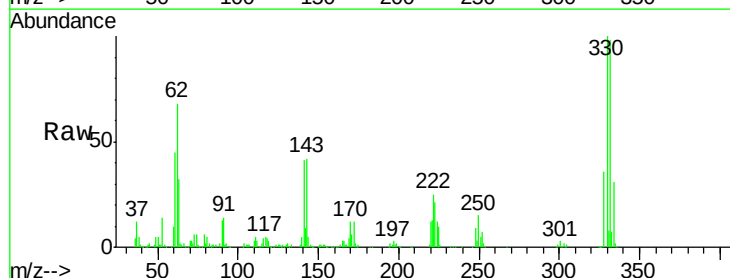
Tgt Ion:330 Resp: 297288

Ion Ratio Lower Upper

330 100

332 97.1 75.9 113.9

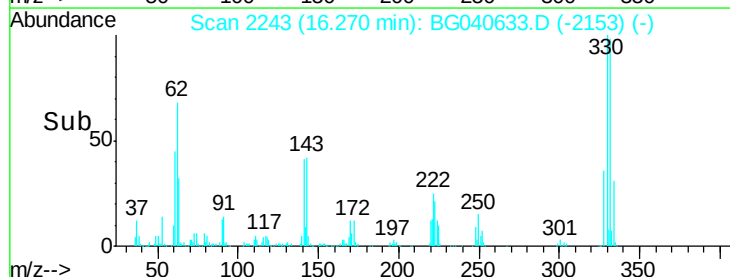
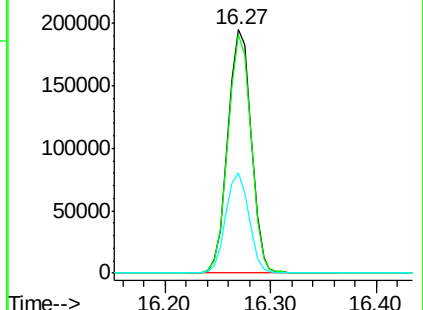
141 40.8 32.4 48.6

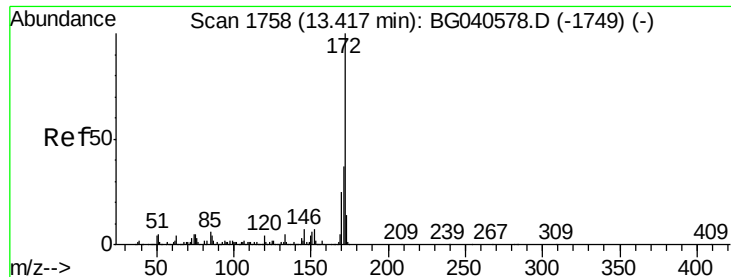


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

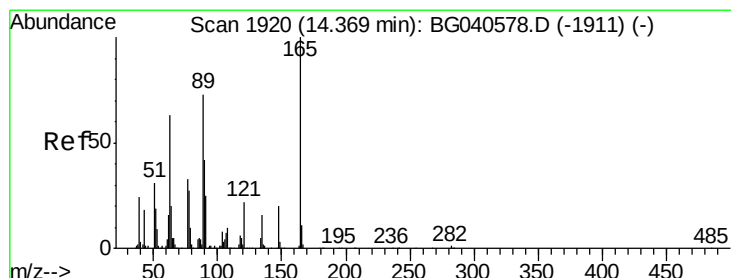
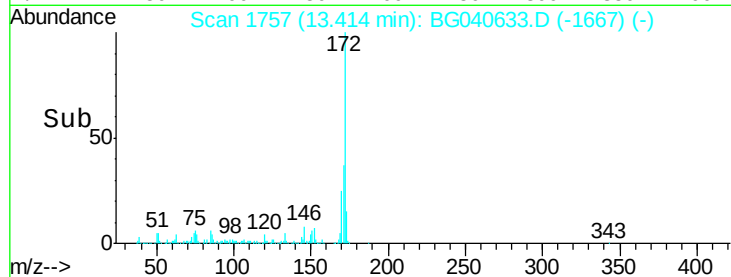
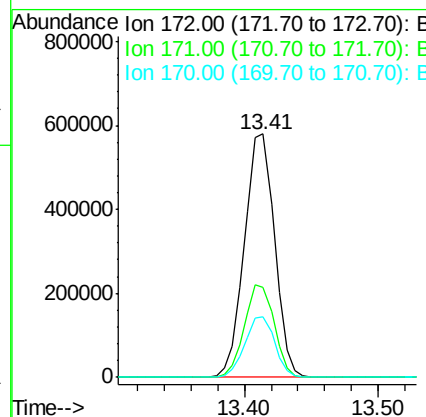
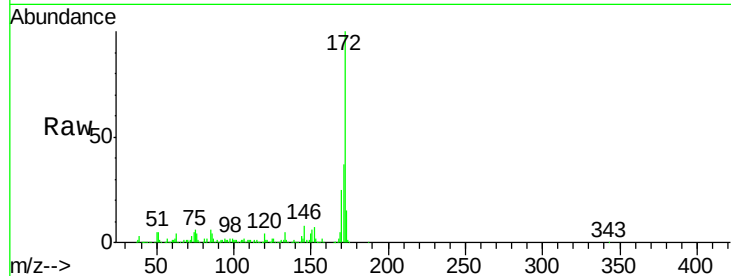




#45
2-Fluorobiphenyl
Concen: 68.434 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.00 min
Lab File: BG040633.D
Acq: 26 Apr 2019 17:28

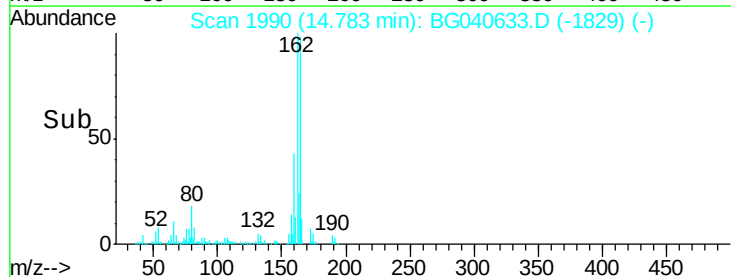
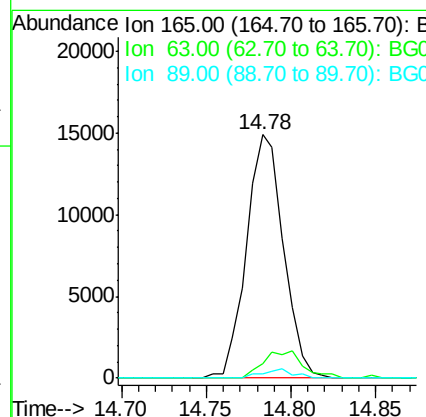
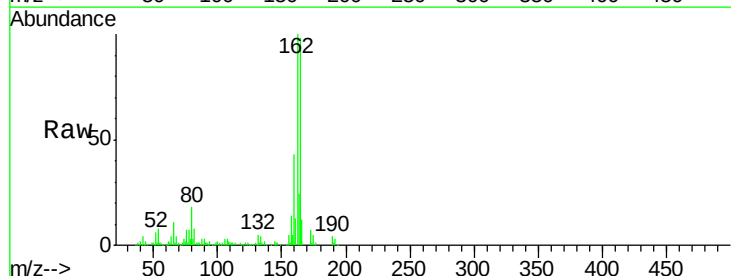
Instrument :
BNA_G
ClientSampleId :

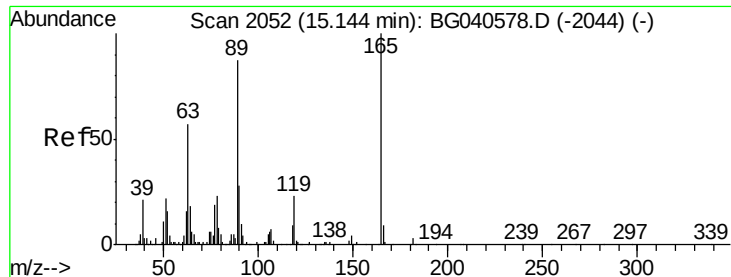
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.2
170	25.0	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 7.306 ng
RT: 14.78 min Scan# 1990
Delta R.T. 0.41 min
Lab File: BG040633.D
Acq: 26 Apr 2019 17:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	5.7	61.0	91.4#
89	1.8	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.377 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.36 min

Lab File: BG040633.D

Acq: 26 Apr 2019 17:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 22708

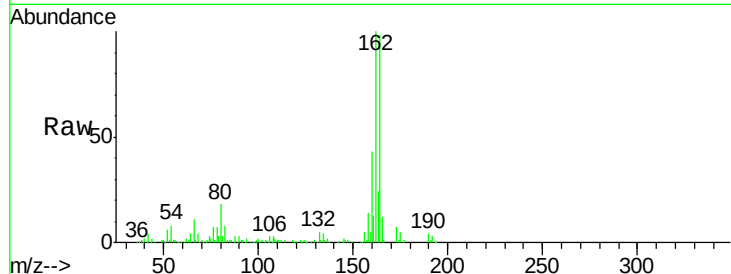
Ion Ratio Lower Upper

165 100

63 5.7 45.8 68.8#

89 1.8 69.4 104.2#

182 0.0 2.2 3.4#

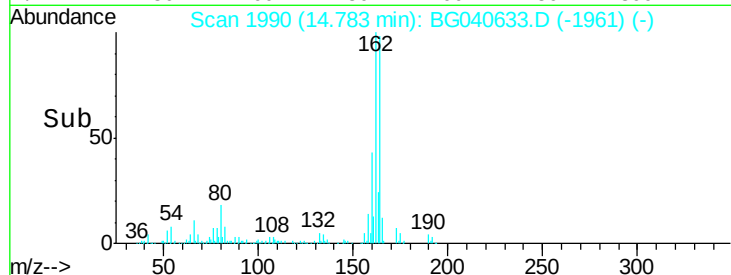


Abundance Ion 165.00 (164.70 to 165.70): E

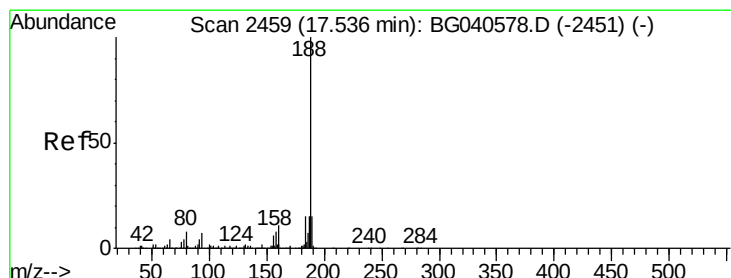
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time--> 14.70 14.75 14.80 14.85



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BG040633.D

Acq: 26 Apr 2019 17:28

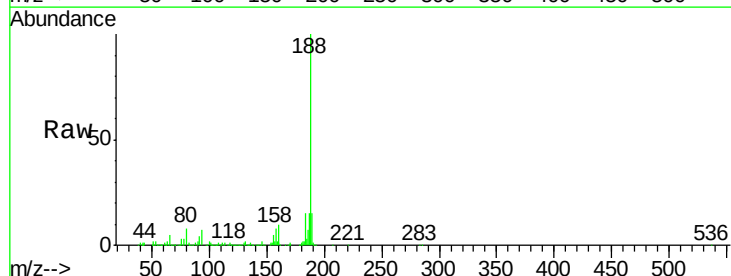
Tgt Ion:188 Resp: 482528

Ion Ratio Lower Upper

188 100

94 6.9 5.6 8.4

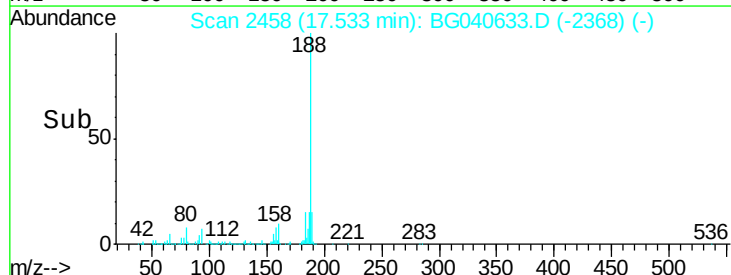
80 8.4 6.4 9.6



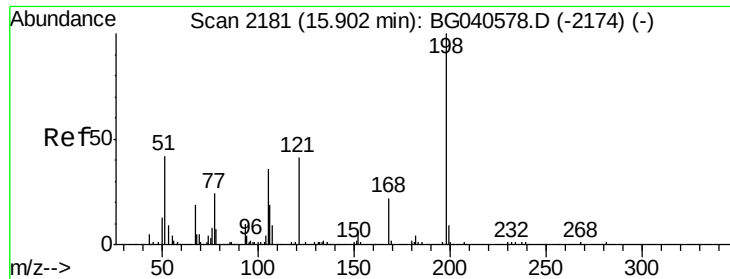
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 17.45 17.50 17.55 17.60



#65

4,6-Dinitro-2-methylphenol

Concen: 7.553 ng

RT: 16.27 min Scan# 2243

Delta R.T. 0.37 min

Lab File: BG040633.D

Acq: 26 Apr 2019 17:28

Instrument :

BNA_G

ClientSampleId :

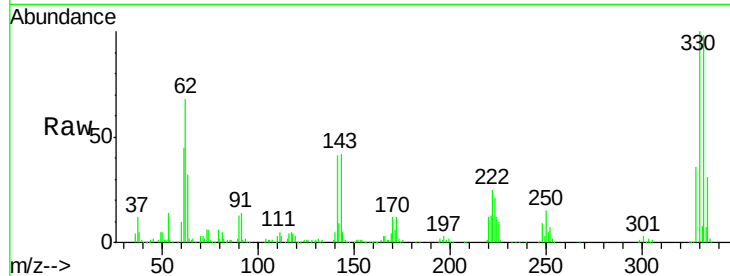
Tot Ion:198 Resp: 1262

Ion Ratio Lower Upper

198 100

51 102.3 35.9 75.9#

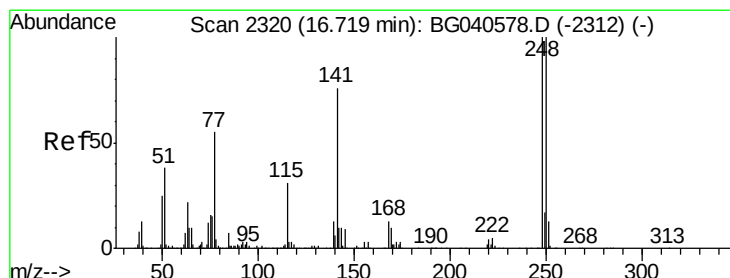
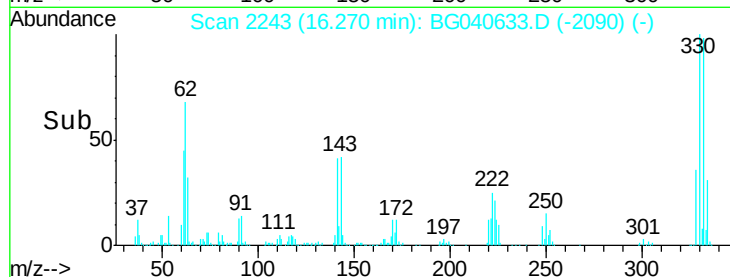
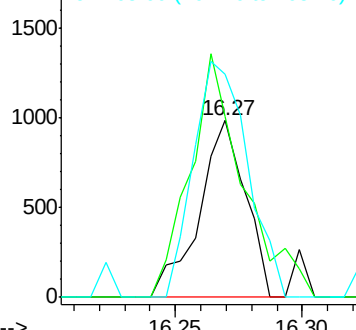
105 126.1 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.819 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040633.D

Acq: 26 Apr 2019 17:28

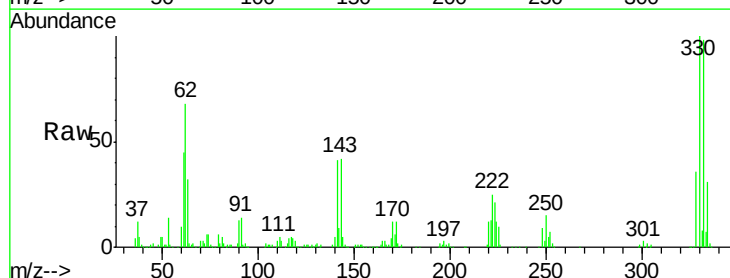
Tgt Ion:248 Resp: 22959

Ion Ratio Lower Upper

248 100

250 173.8 79.8 119.6#

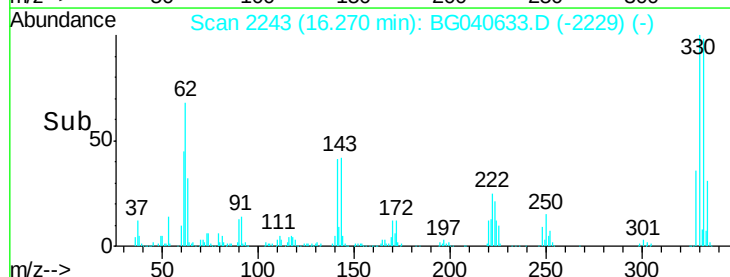
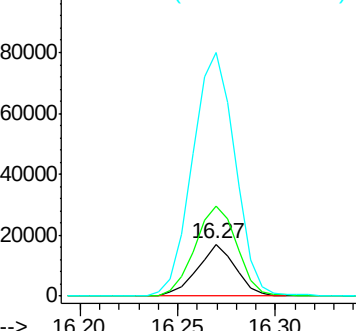
141 467.0 60.8 91.2#

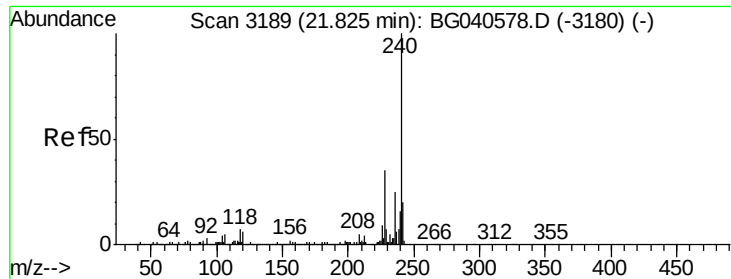


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.82 min Scan# 3187

Delta R.T. -0.01 min

Lab File: BG040633.D

Acq: 26 Apr 2019 17:28

Instrument :

BNA_G

ClientSampleId :

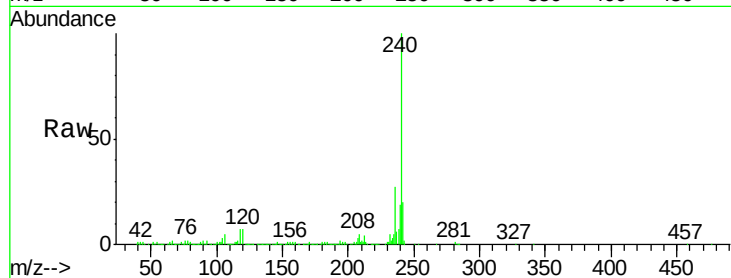
Tot Ion:240 Resp: 478222

Ion Ratio Lower Upper

240 100

120 6.7 5.0 7.6

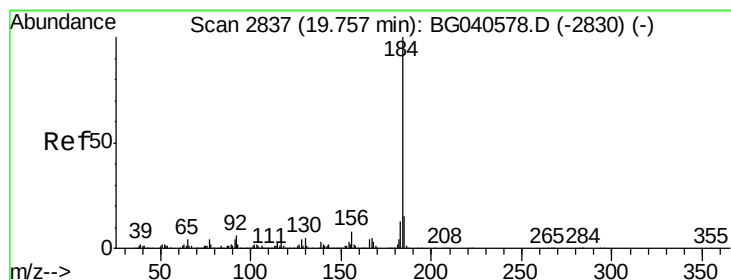
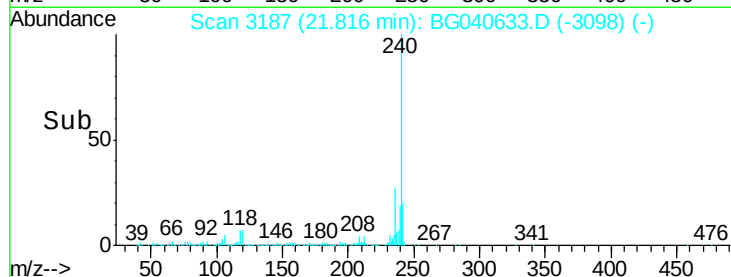
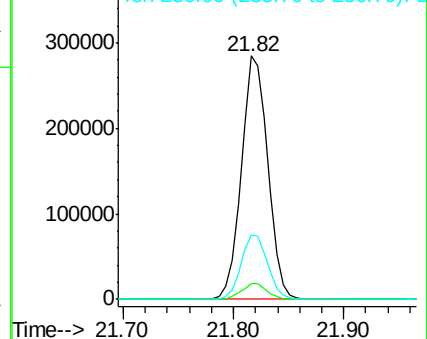
236 26.6 20.3 30.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 2.425 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040633.D

Acq: 26 Apr 2019 17:28

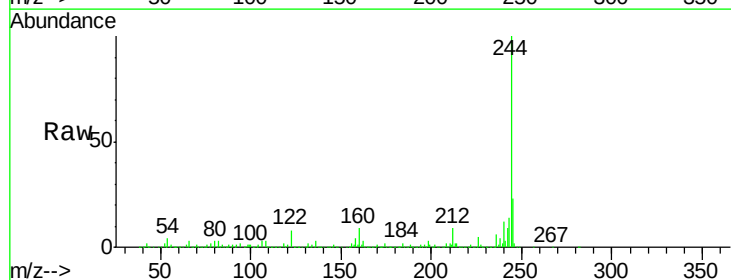
Tgt Ion:184 Resp: 31752

Ion Ratio Lower Upper

184 100

185 13.0 11.8 17.8

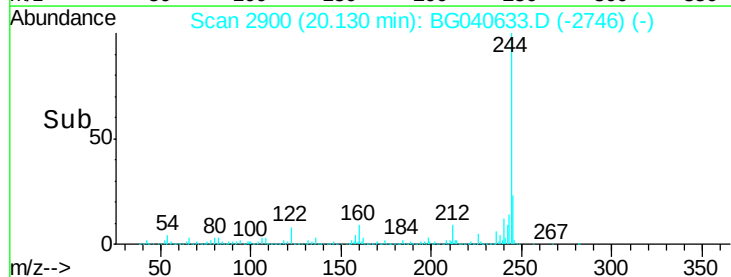
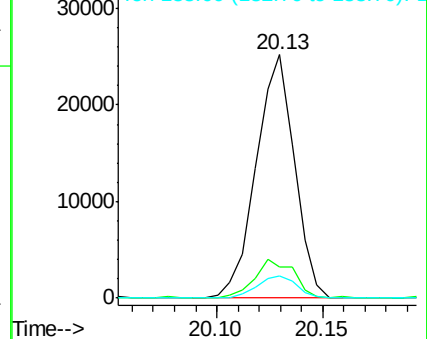
183 9.2 10.2 15.2#

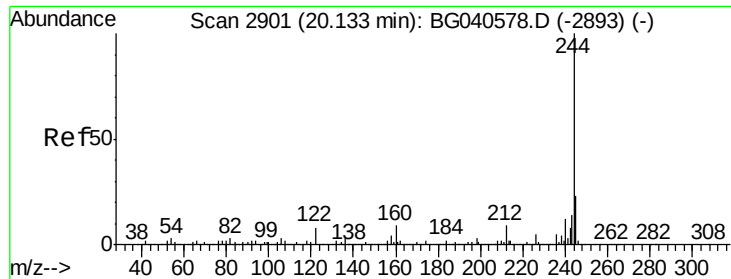


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 77.110 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG040633.D

Acq: 26 Apr 2019 17:28

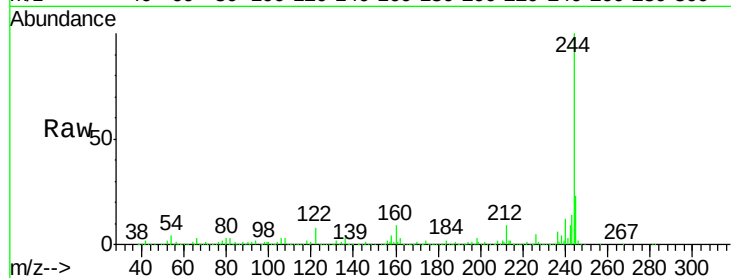
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1664491

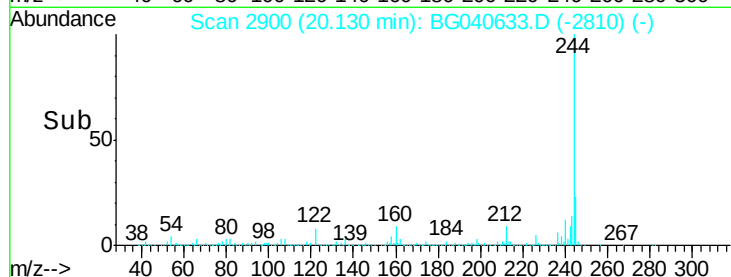
Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.2	10.8
122	8.0	6.6	10.0



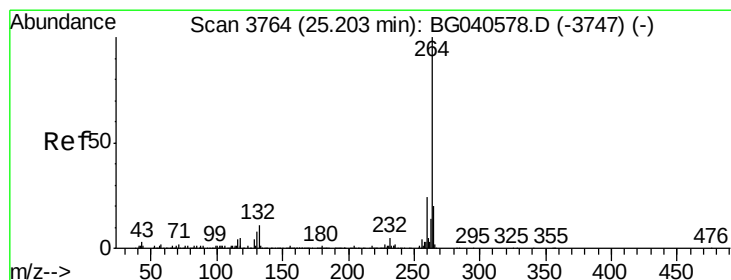
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.19 min Scan# 3762

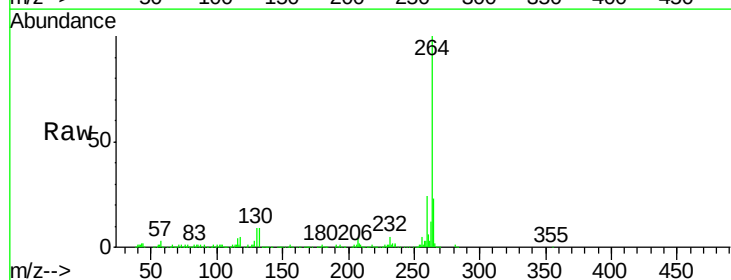
Delta R.T. -0.01 min

Lab File: BG040633.D

Acq: 26 Apr 2019 17:28

Tgt Ion:264 Resp: 501157

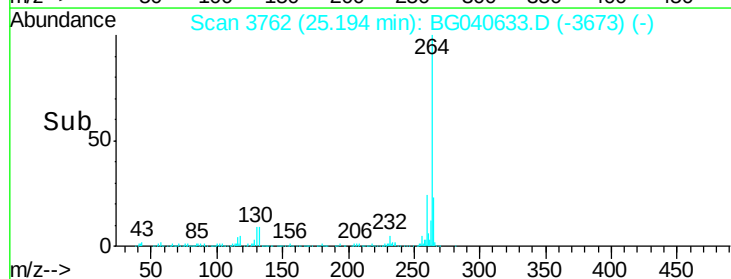
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.9	16.6	25.0



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



Time-->