

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\
 Data File : BG040616.D
 Acq On : 25 Apr 2019 18:38
 Operator : JU/SJ
 Sample : K2535-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 22:55:52 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

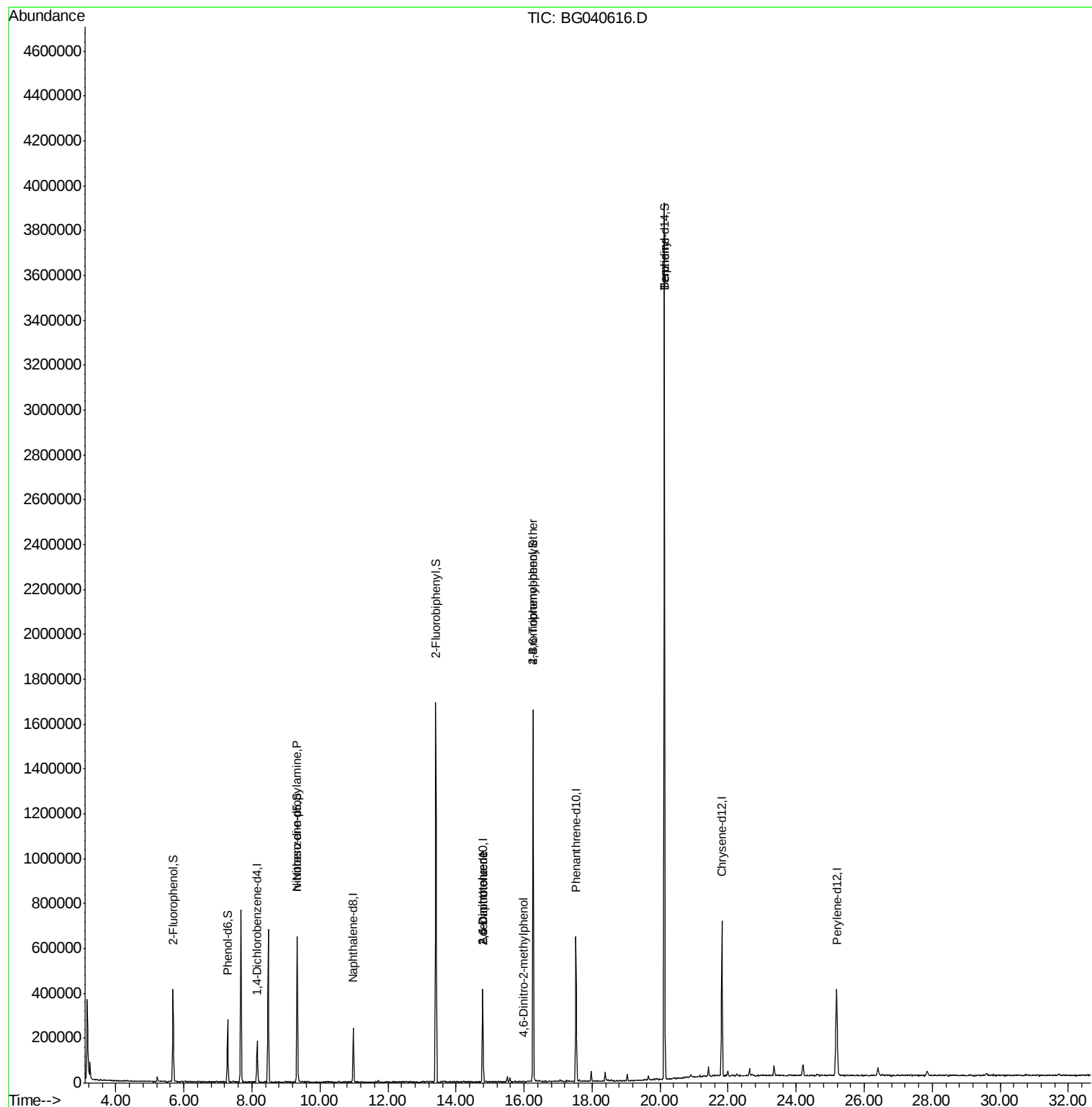
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	43152	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	183795	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	138016	20.00	ng	-0.01
64) Phenanthrene-d10	17.53	188	367834	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	390771	20.00	ng	-0.01
87) Perylene-d12	25.19	264	407834	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	140768	57.50	ng	0.00
7) Phenol-d6	7.28	99	131734	34.95	ng	-0.01
23) Nitrobenzene-d5	9.33	82	376739	94.71	ng	-0.01
42) 2,4,6-Tribromophenol	16.27	330	266269	140.36	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	798522	83.56	ng	-0.01
79) Terphenyl-d14	20.13	244	1705421	96.69	ng	0.00
Target Compounds						
9) Benzaldehyde	7.30	77	544	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.33	70	56303	16.594 ng	#	70
51) 2,6-Dinitrotoluene	14.78	165	17750	7.876 ng	#	15
57) 2,4-Dinitrotoluene	14.78	165	17750	5.796 ng	#	17
65) 4,6-Dinitro-2-methylphenol	15.98	198	60	7.129 ng	#	1
67) 4-Bromophenyl-phenylether	16.27	248	19924	4.348 ng	#	1
77) Benizidine	20.12	184	33945	3.173 ng	#	95

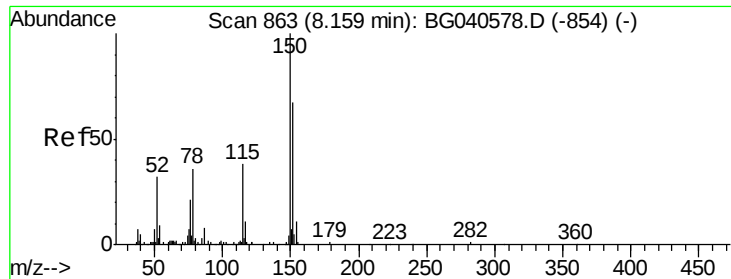
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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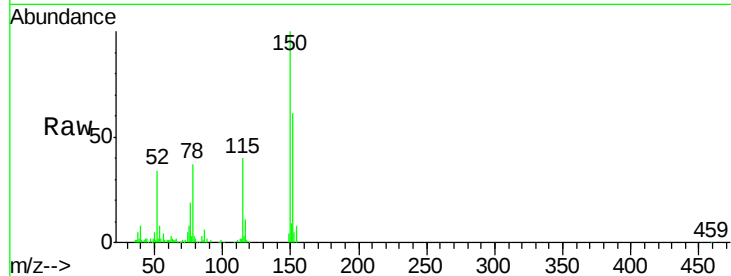


#1

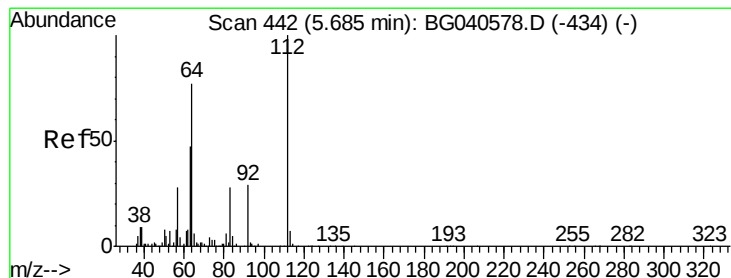
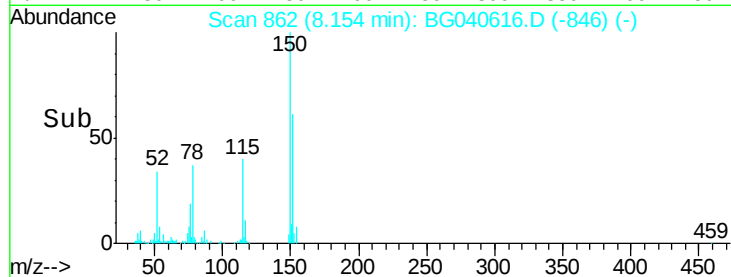
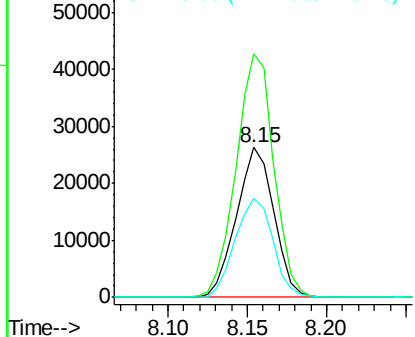
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040616.D
Acq: 25 Apr 2019 18:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.6	120.2	180.2
115	65.8	46.2	69.2



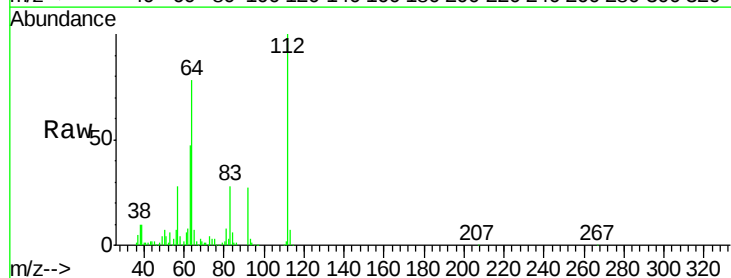
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



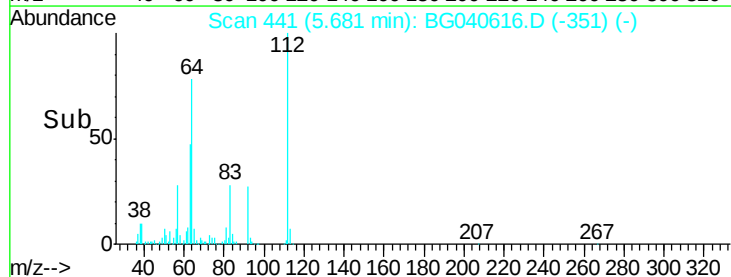
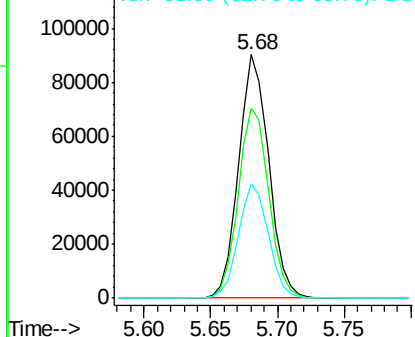
#5

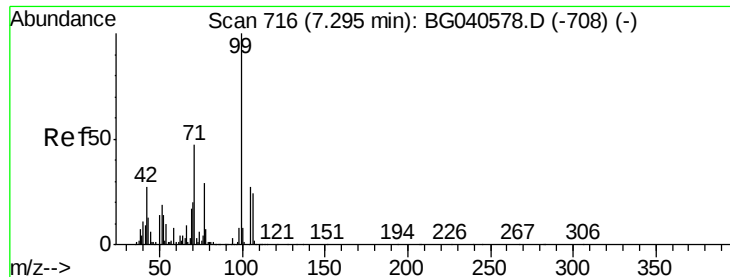
2-Fluorophenol
Concen: 57.504 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040616.D
Acq: 25 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.0	61.4	92.0
63	47.1	37.8	56.6



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





#7

Phenol-d6

Concen: 34.950 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040616.D

Acq: 25 Apr 2019 18:38

Instrument :

BNA_G

ClientSampled :

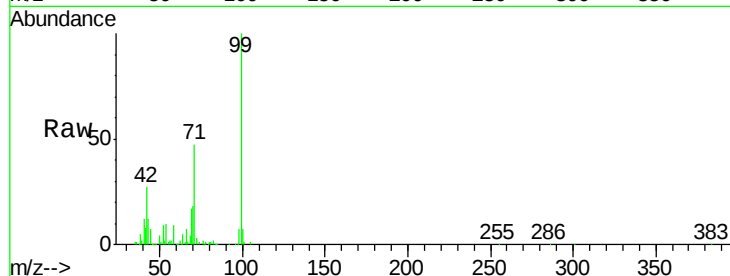
Tot Ion: 99 Resp: 131734

Ion Ratio Lower Upper

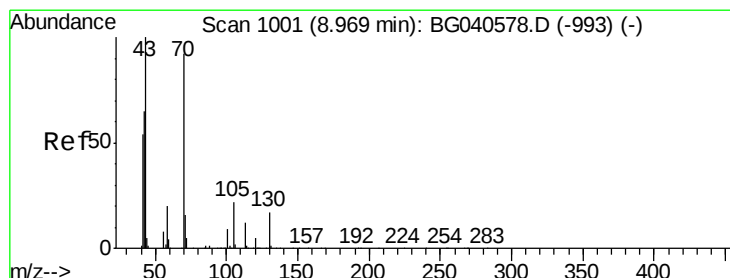
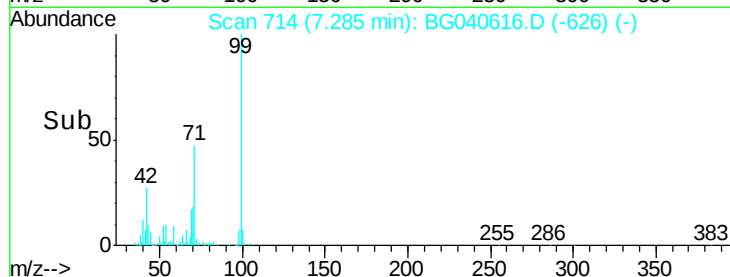
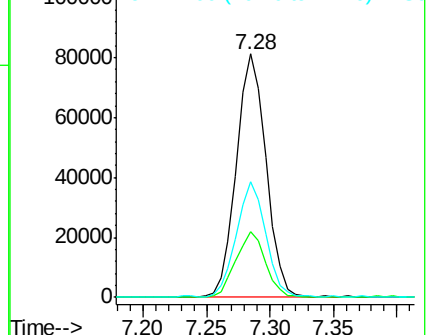
99 100

42 26.7 21.8 32.8

71 47.4 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: 16.594 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040616.D

Acq: 25 Apr 2019 18:38

Tgt Ion: 70 Resp: 56303

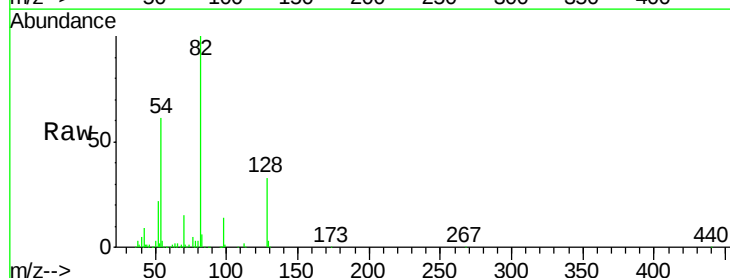
Ion Ratio Lower Upper

70 100

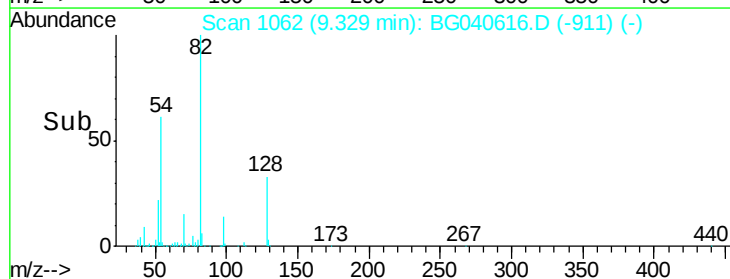
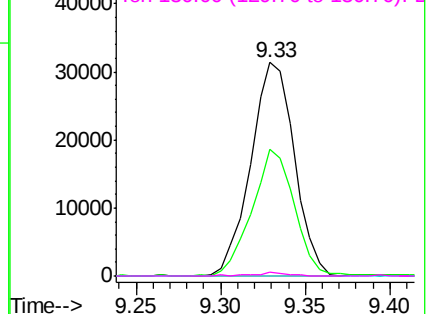
42 59.1 57.1 85.7

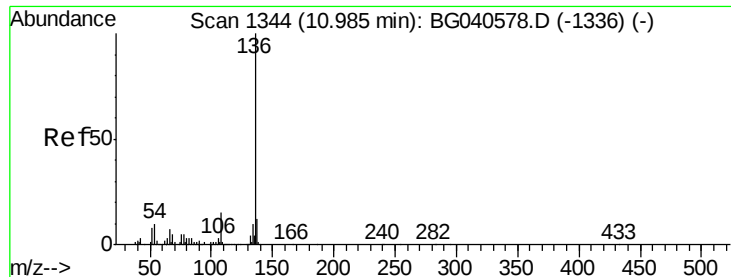
101 0.0 7.8 11.8#

130 1.5 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: BG040616.D

Acq: 25 Apr 2019 18:38

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 183795

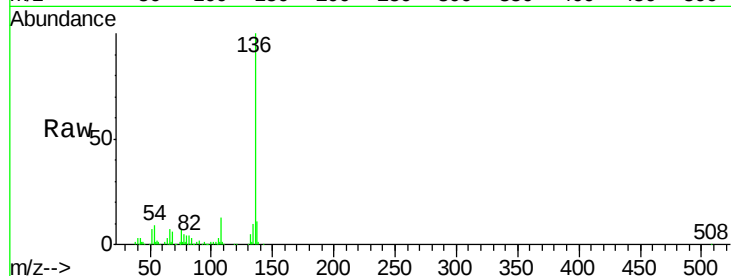
Ion Ratio Lower Upper

136 100

137 11.0 9.7 14.5

54 9.4 8.6 12.8

68 5.7 4.8 7.2

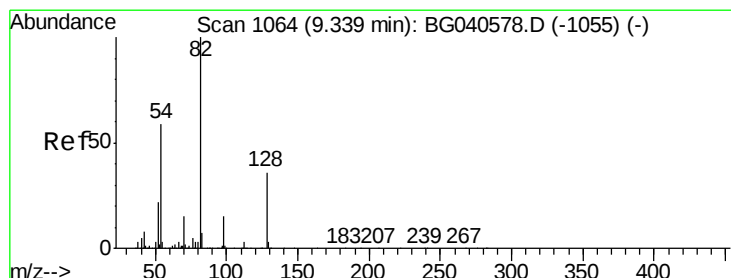
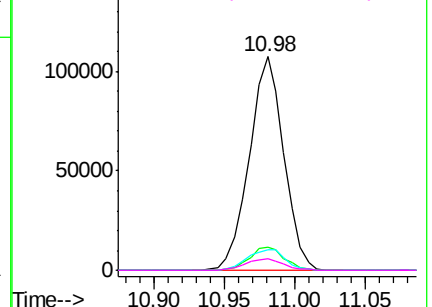
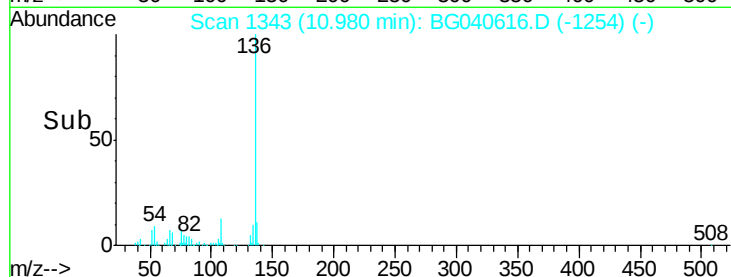


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 94.713 ng

RT: 9.33 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BG040616.D

Acq: 25 Apr 2019 18:38

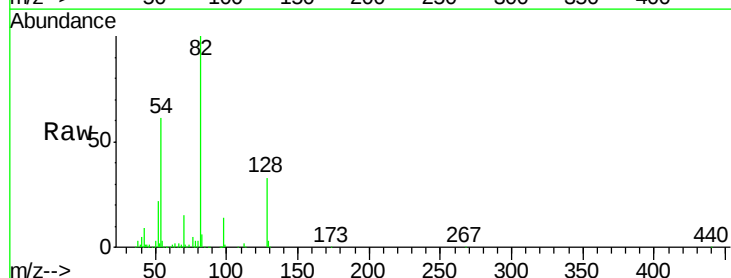
Tgt Ion: 82 Resp: 376739

Ion Ratio Lower Upper

82 100

128 33.0 28.9 43.3

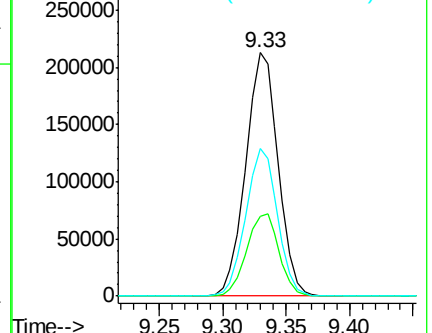
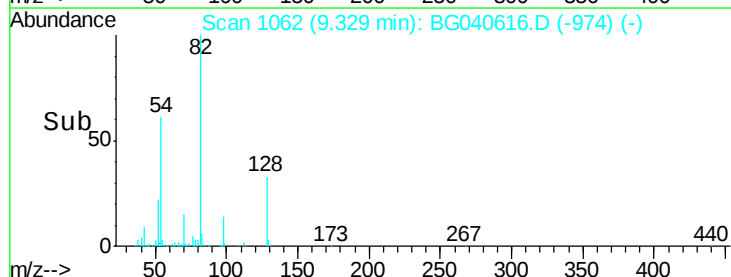
54 60.8 47.2 70.8



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040616.D

Acq: 25 Apr 2019 18:38

Instrument :

BNA_G

ClientSampleId :

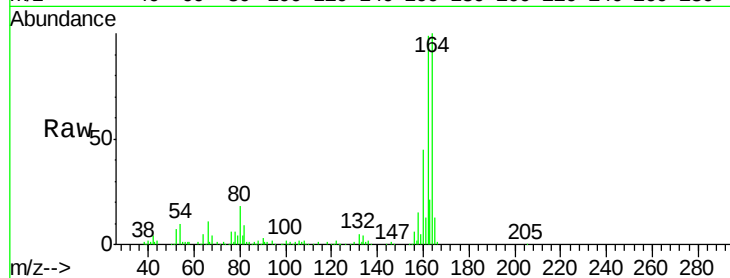
Tot Ion:164 Resp: 138016

Ion Ratio Lower Upper

164 100

162 98.5 81.9 122.9

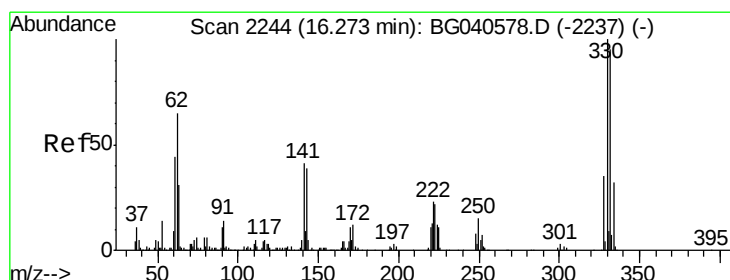
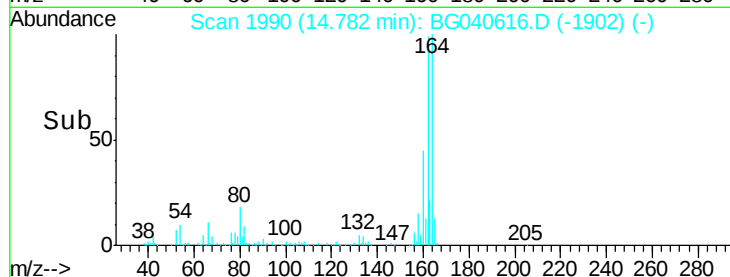
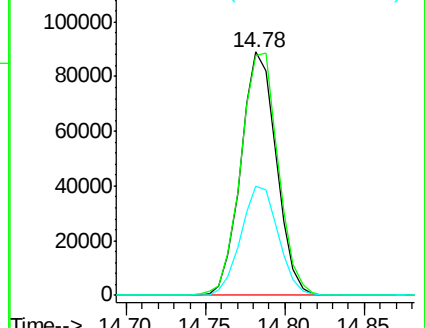
160 45.0 35.4 53.2



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: 140.359 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG040616.D

Acq: 25 Apr 2019 18:38

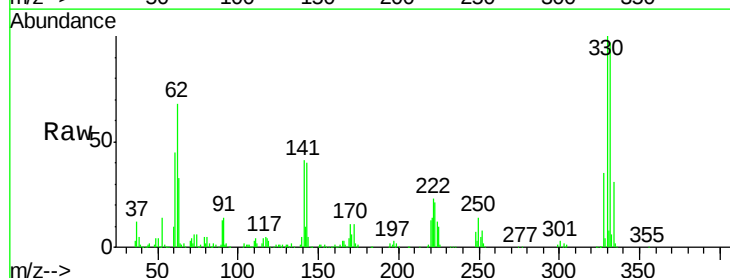
Tgt Ion:330 Resp: 266269

Ion Ratio Lower Upper

330 100

332 96.3 75.9 113.9

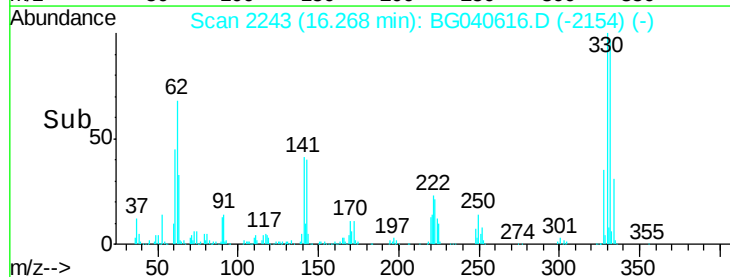
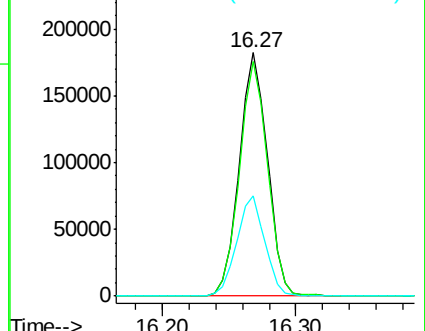
141 41.2 32.4 48.6



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

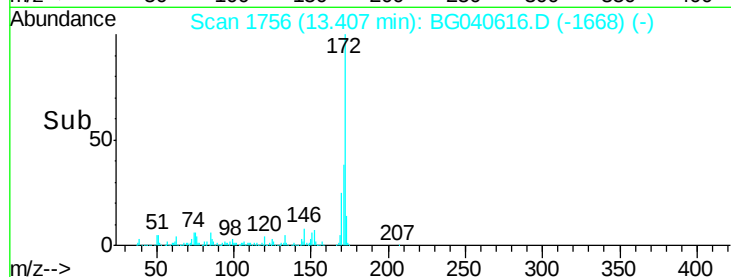
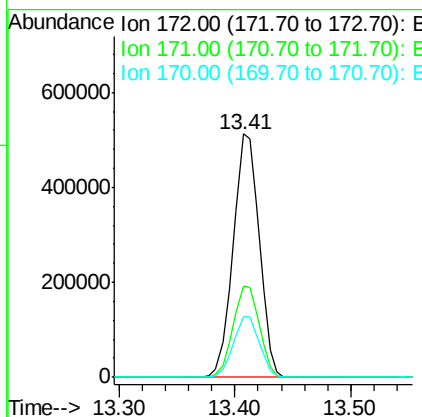
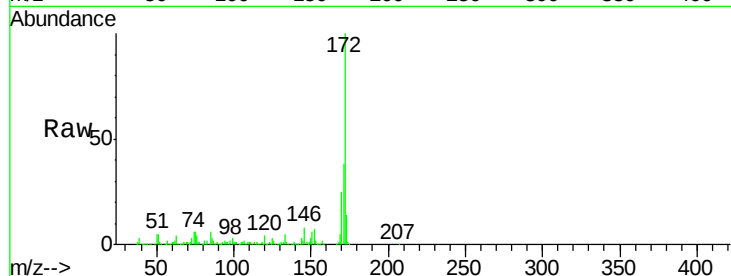




#45
2-Fluorobiphenyl
Concen: 83.557 ng
RT: 13.41 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BG040616.D
Acq: 25 Apr 2019 18:38

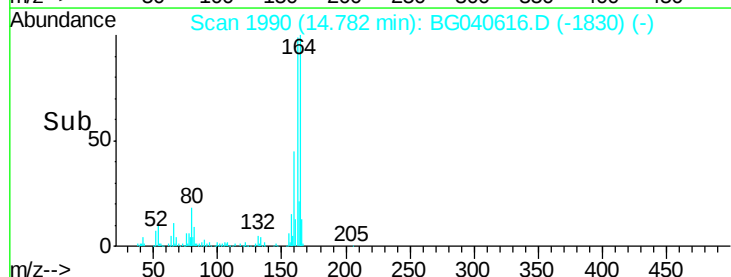
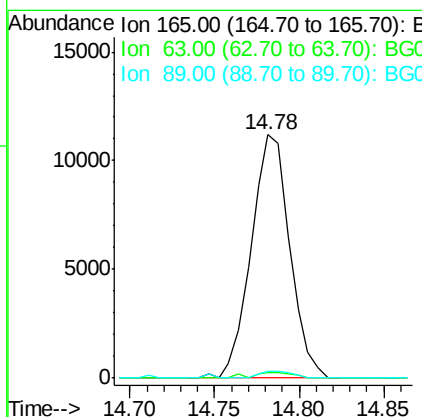
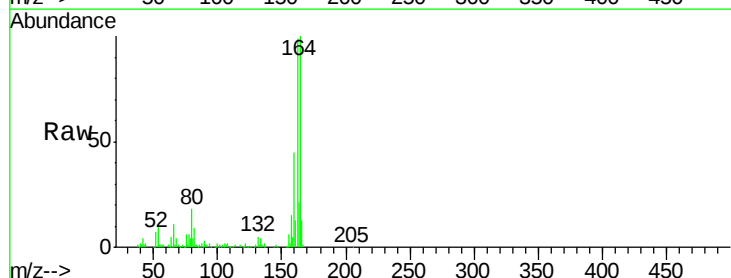
Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.4	44.2
170	24.9	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 7.876 ng
RT: 14.78 min Scan# 1990
Delta R.T. 0.41 min
Lab File: BG040616.D
Acq: 25 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	61.0	91.4#
89	2.9	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.796 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.36 min

Lab File: BG040616.D

Acq: 25 Apr 2019 18:38

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 17750

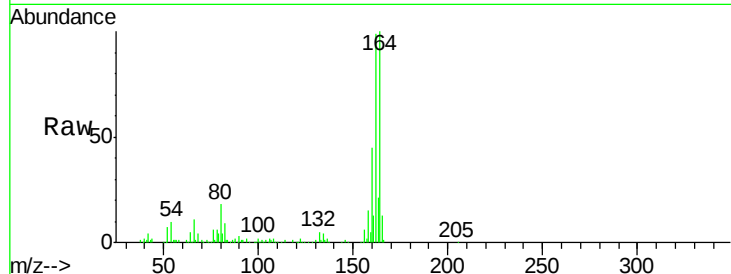
Ion Ratio Lower Upper

165 100

63 2.3 45.8 68.8#

89 2.9 69.4 104.2#

182 0.0 2.2 3.4#

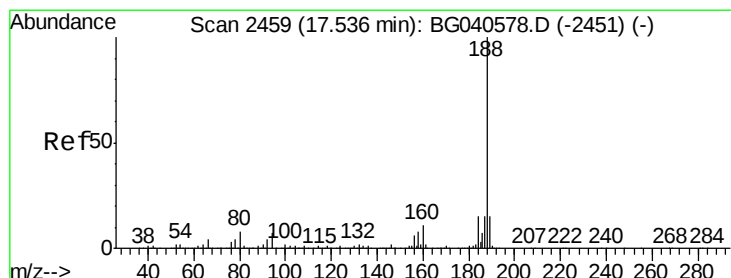
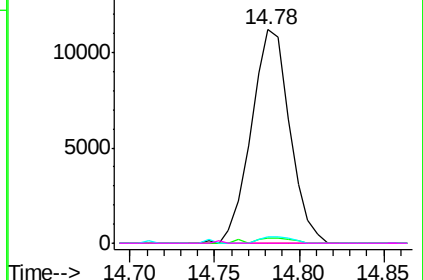
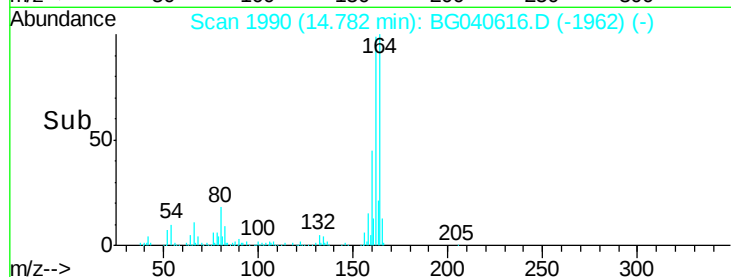


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.53 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG040616.D

Acq: 25 Apr 2019 18:38

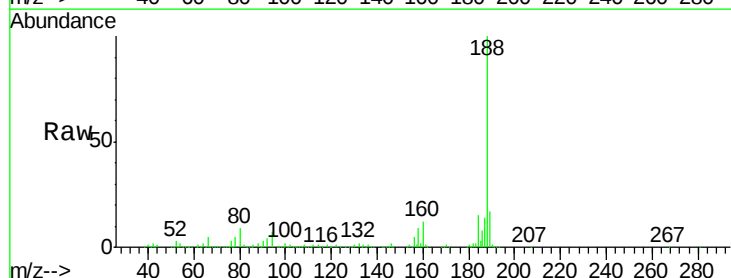
Tgt Ion:188 Resp: 367834

Ion Ratio Lower Upper

188 100

94 6.9 5.6 8.4

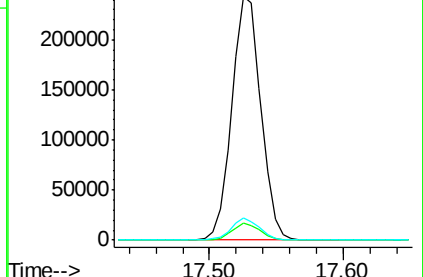
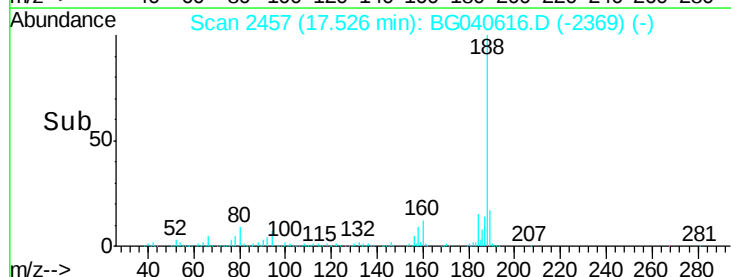
80 9.0 6.4 9.6

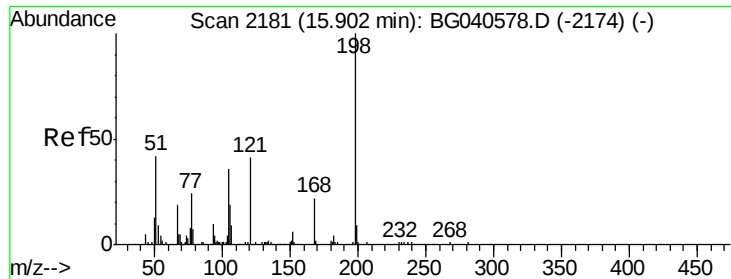


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.129 ng

RT: 15.98 min Scan# 2194

Delta R.T. 0.08 min

Lab File: BG040616.D

Acq: 25 Apr 2019 18:38

Instrument :

BNA_G

ClientSampled :

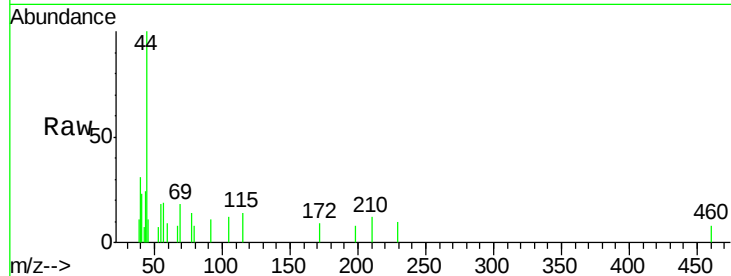
Tot Ion:198 Resp: 60

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

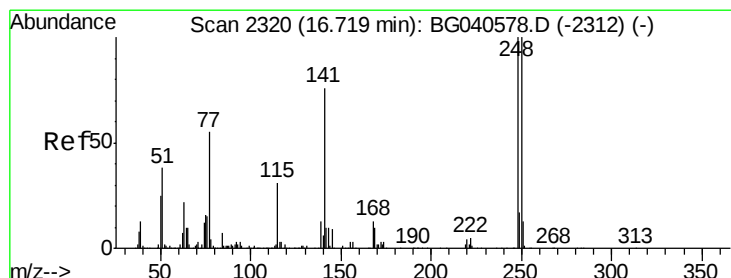
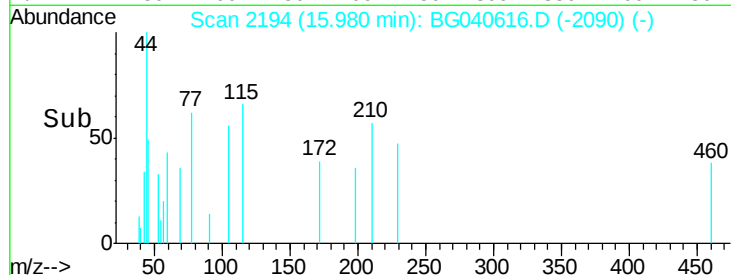
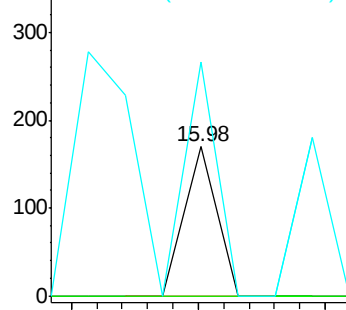
105 156.5 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.348 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040616.D

Acq: 25 Apr 2019 18:38

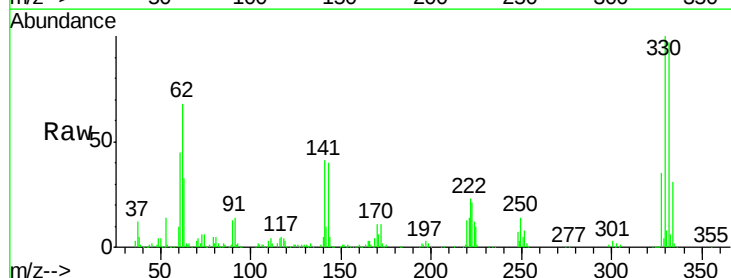
Tgt Ion:248 Resp: 19924

Ion Ratio Lower Upper

248 100

250 141.7 79.8 119.6#

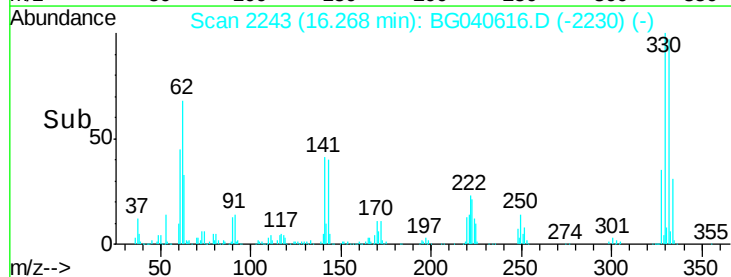
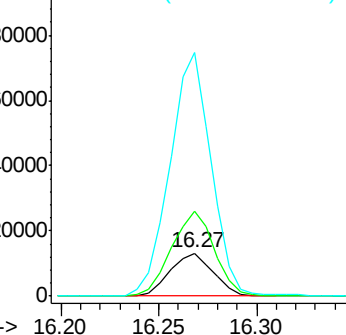
141 406.4 60.8 91.2#

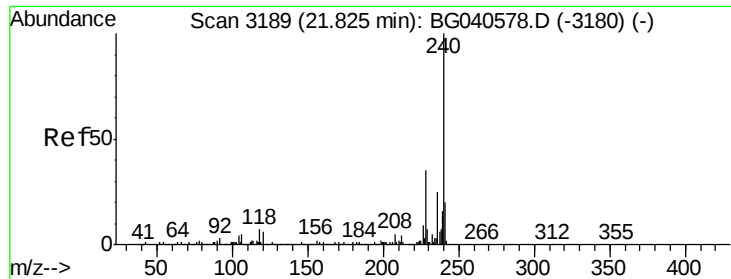


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

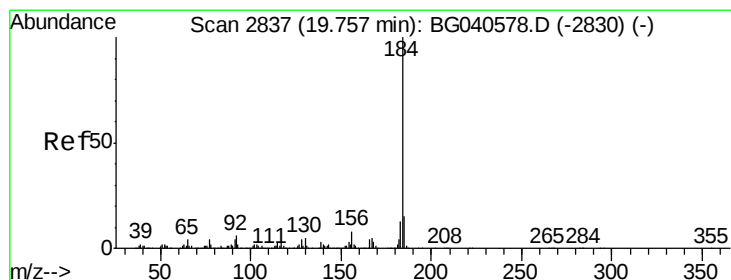
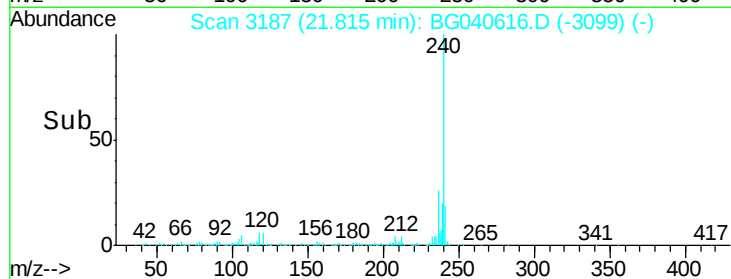
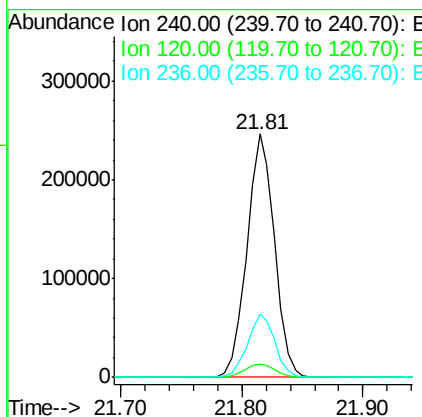
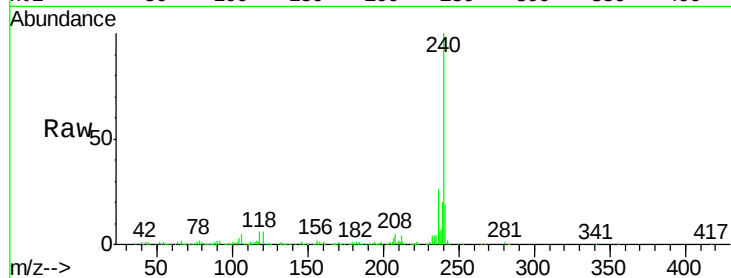




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.01 min
Lab File: BG040616.D
Acq: 25 Apr 2019 18:38

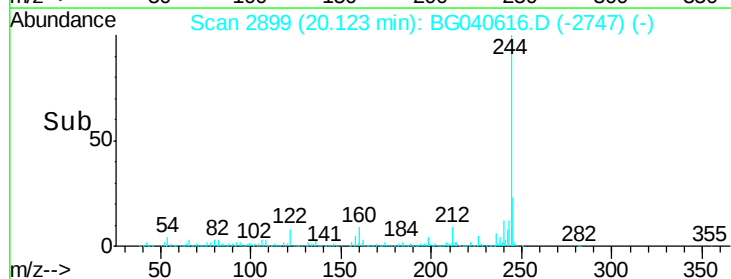
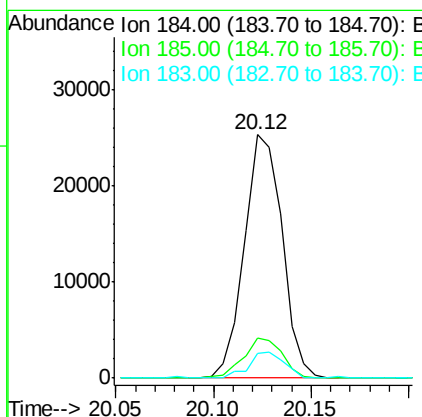
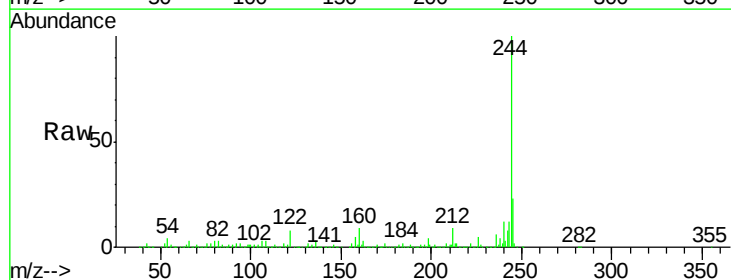
Instrument :
BNA_G
ClientSampleId :

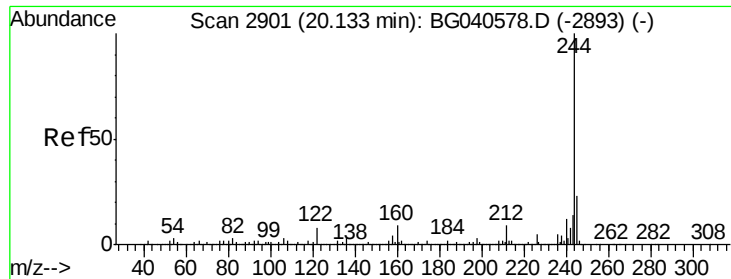
Tot Ion:240 Resp: 390771
Ion Ratio Lower Upper
240 100
120 5.6 5.0 7.6
236 26.0 20.3 30.5



#77
Benzidine
Concen: 3.173 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.37 min
Lab File: BG040616.D
Acq: 25 Apr 2019 18:38

Tgt Ion:184 Resp: 33945
Ion Ratio Lower Upper
184 100
185 16.4 11.8 17.8
183 9.9 10.2 15.2#



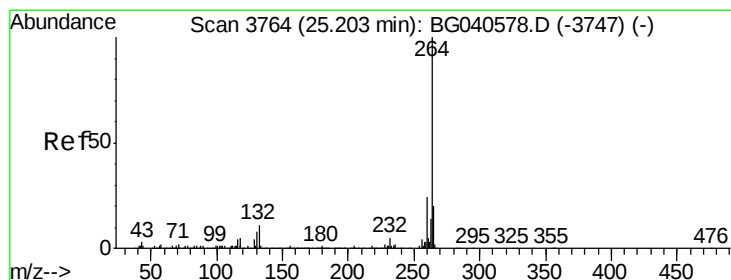
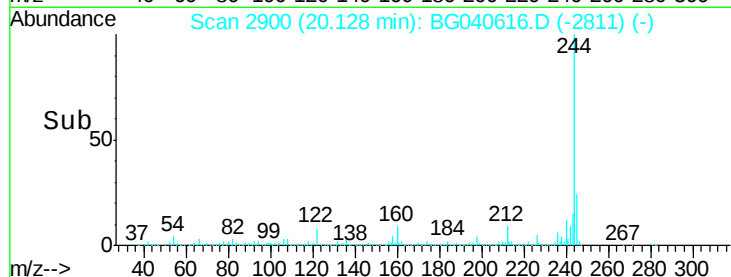
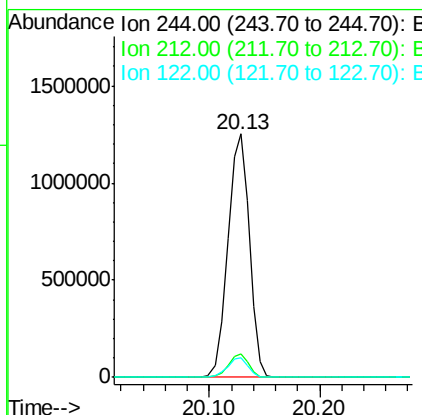
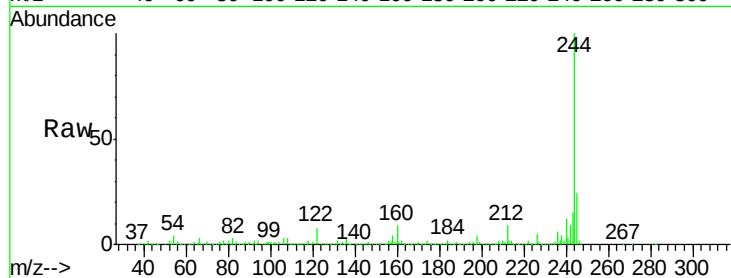


#79
 Terphenyl-d14
 Concen: 96.686 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG040616.D
 Acq: 25 Apr 2019 18:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1705421

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.2	10.8
122	8.1	6.6	10.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.19 min Scan# 3761
 Delta R.T. -0.02 min
 Lab File: BG040616.D
 Acq: 25 Apr 2019 18:38

Tgt Ion:264 Resp: 407834

Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.2	28.8
265	20.9	16.6	25.0

