

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\
 Data File : BG040615.D
 Acq On : 25 Apr 2019 18:00
 Operator : JU/SJ
 Sample : K2535-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 22:55:44 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

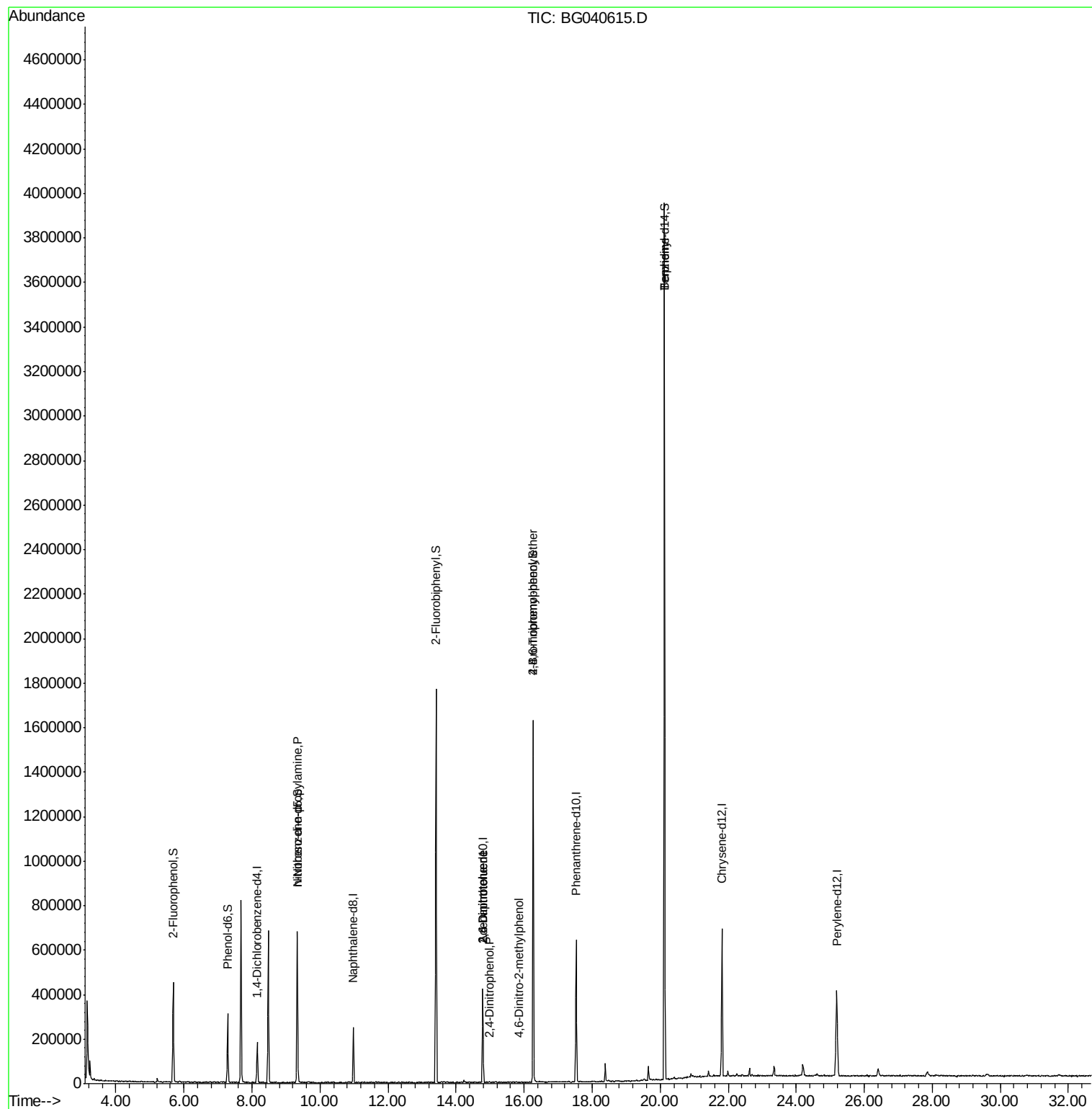
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	45037	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	184041	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	136453	20.00	ng	-0.01
64) Phenanthrene-d10	17.53	188	368601	20.00	ng	0.00
76) Chrysene-d12	21.82	240	386896	20.00	ng	0.00
87) Perylene-d12	25.19	264	403831	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	160816	62.94	ng	0.00
7) Phenol-d6	7.28	99	145257	36.93	ng	-0.01
23) Nitrobenzene-d5	9.33	82	389956	97.90	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	272006	145.03	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	828076	87.64	ng	0.00
79) Terphenyl-d14	20.13	244	1706222	97.70	ng	0.00
Target Compounds						
9) Benzaldehyde	7.31	77	119	Below Cal		Qvalue # 56
19) n-Nitroso-di-n-propylamine	9.33	70	57538	16.248	ng	# 78
51) 2,6-Dinitrotoluene	14.79	165	17437	7.826	ng	# 15
54) 2,4-Dinitrophenol	14.98	184	113	7.097	ng	# 21
57) 2,4-Dinitrotoluene	14.79	165	17437	5.759	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.85	198	85	7.141	ng	# 28
67) 4-Bromophenyl-phenylether	16.27	248	20188	4.396	ng	# 1
77) Benzydine	20.13	184	35532	3.354	ng	# 94

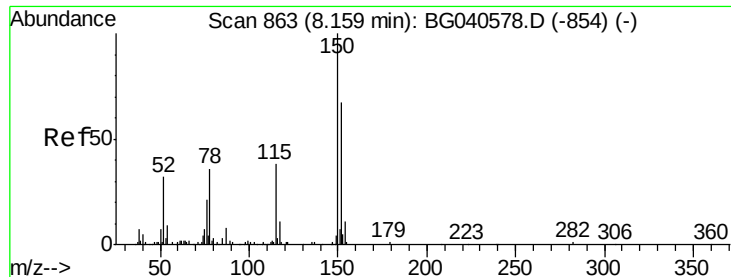
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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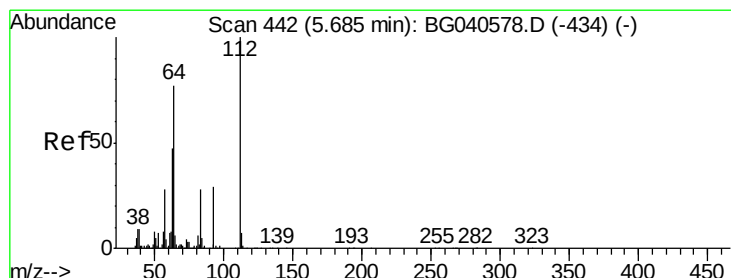
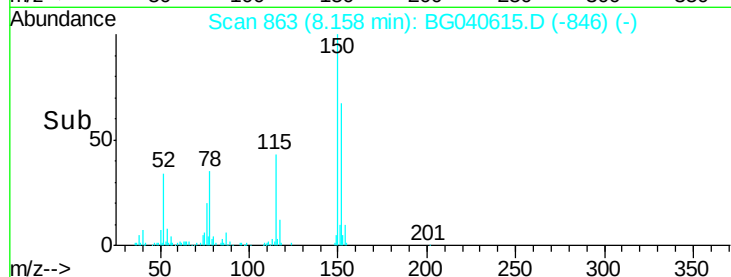
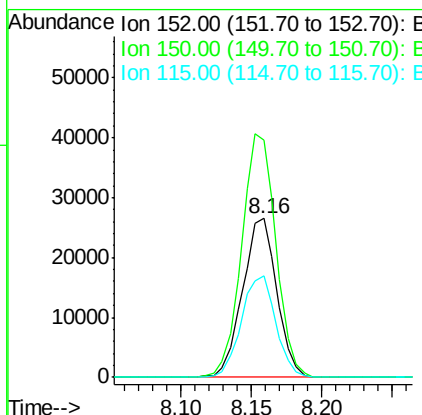
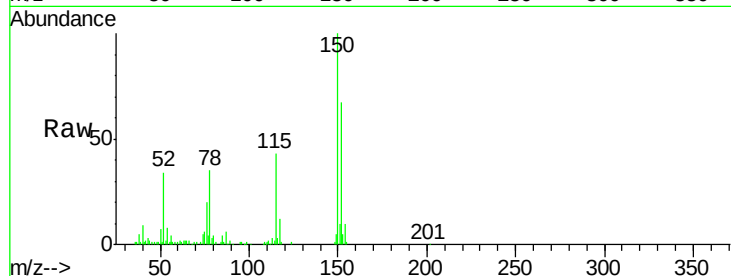


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040615.D
Acq: 25 Apr 2019 18:00

Instrument :
BNA_G
ClientSampleId :

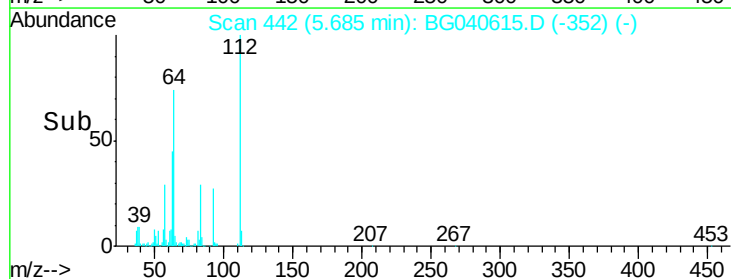
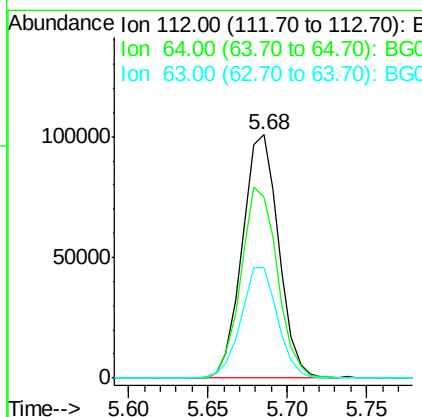
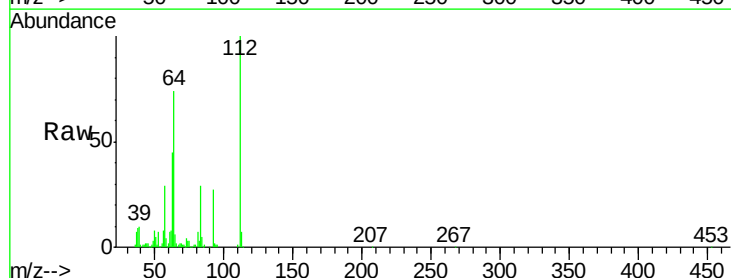
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.0	120.2	180.2
115	64.3	46.2	69.2

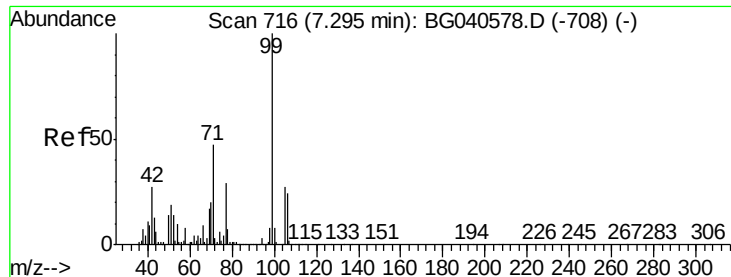


#5

2-Fluorophenol
Concen: 62.944 ng
RT: 5.68 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040615.D
Acq: 25 Apr 2019 18:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.2	61.4	92.0
63	45.4	37.8	56.6





#7

Phenol-d6

Concen: 36.925 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040615.D

Acq: 25 Apr 2019 18:00

Instrument :

BNA_G

ClientSampled :

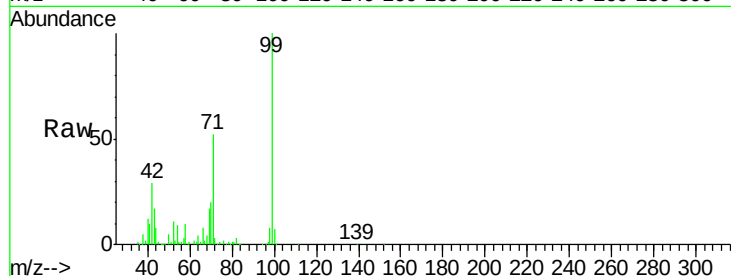
Tot Ion: 99 Resp: 145257

Ion Ratio Lower Upper

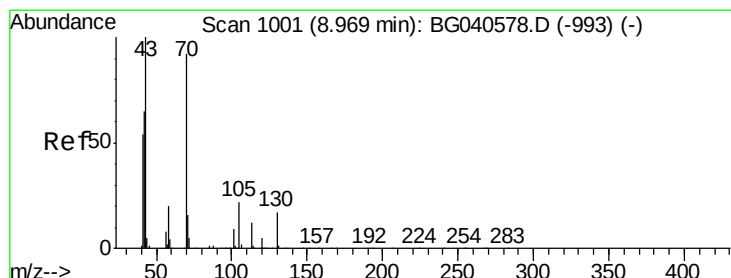
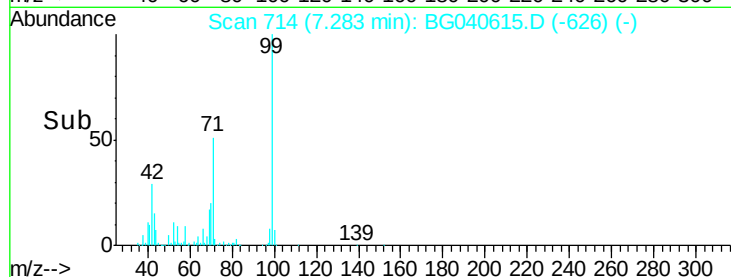
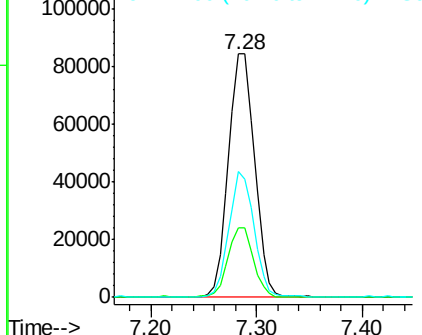
99 100

42 28.7 21.8 32.8

71 51.6 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: 16.248 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040615.D

Acq: 25 Apr 2019 18:00

Tgt Ion: 70 Resp: 57538

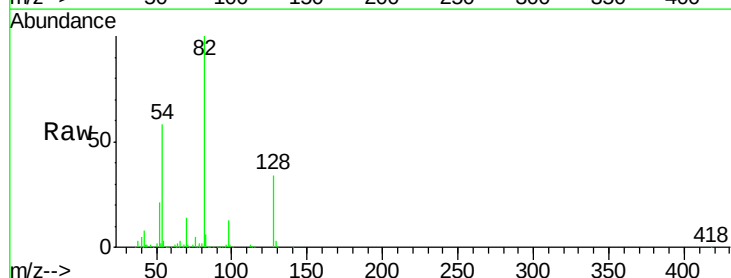
Ion Ratio Lower Upper

70 100

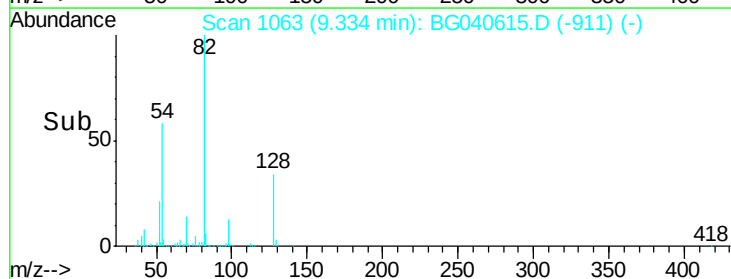
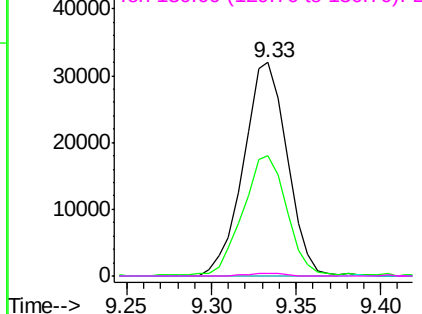
42 56.5 57.1 85.7#

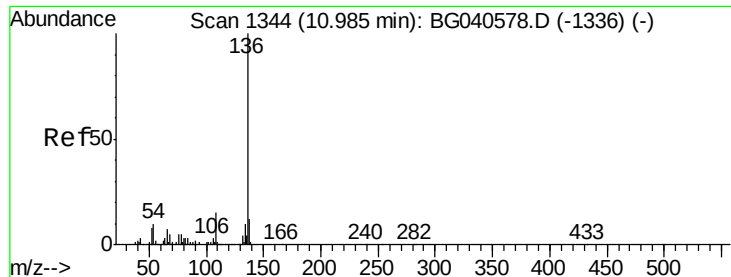
101 0.0 7.8 11.8#

130 1.3 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

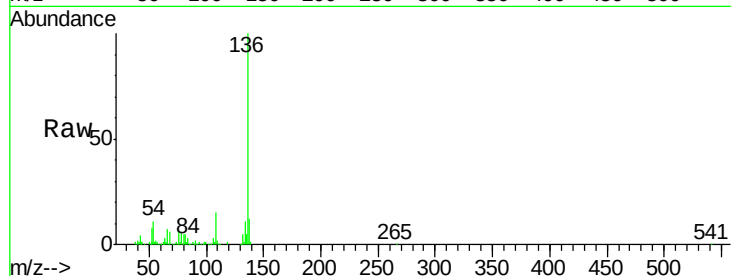




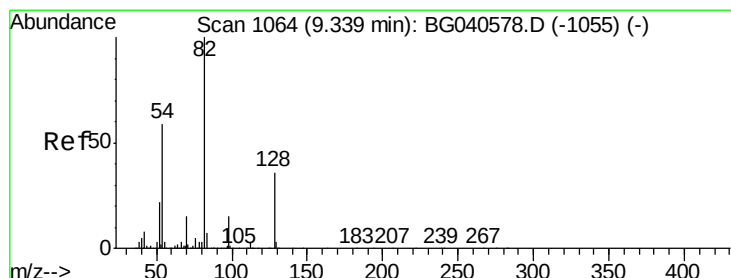
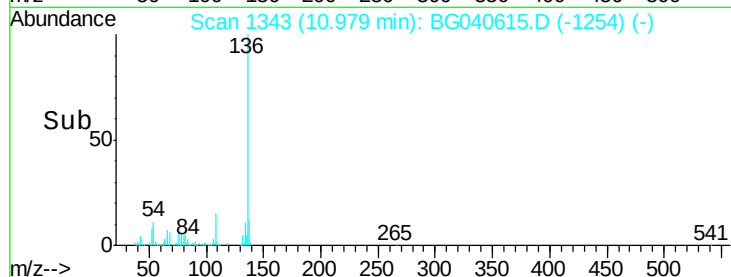
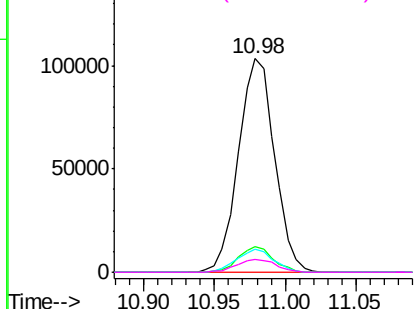
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040615.D
Acq: 25 Apr 2019 18:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	184041
Ion	Ratio	Lower Upper
136	100	
137	11.8	9.7 14.5
54	10.6	8.6 12.8
68	5.8	4.8 7.2

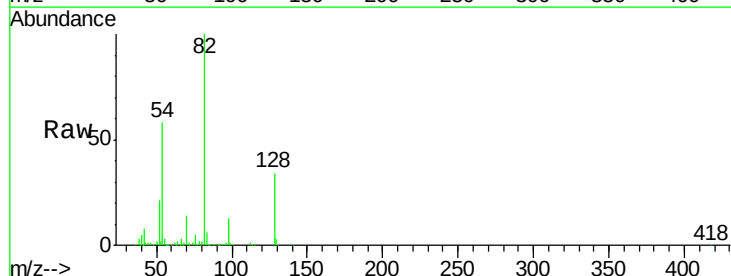


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

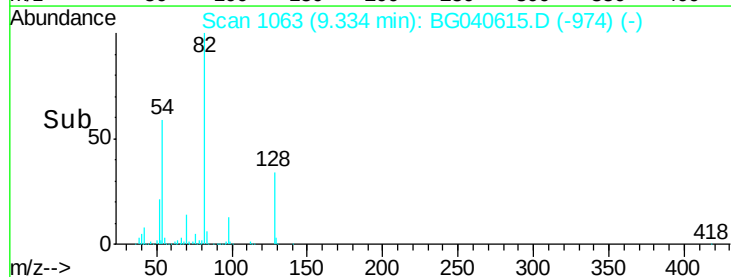
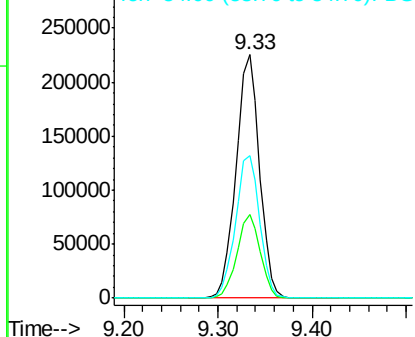


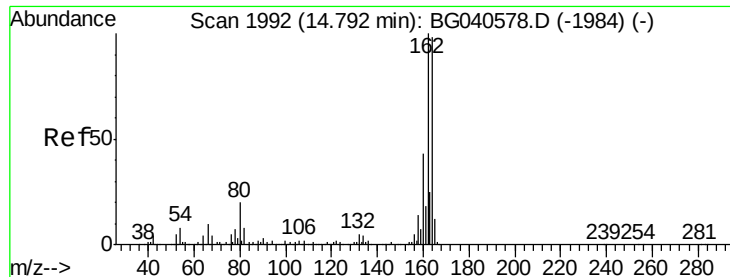
#23
Nitrobenzene-d5
Concen: 97.904 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040615.D
Acq: 25 Apr 2019 18:00

Tgt Ion: 82	Resp:	389956
Ion	Ratio	Lower Upper
82	100	
128	34.1	28.9 43.3
54	58.5	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: BG040615.D

Acq: 25 Apr 2019 18:00

Instrument :

BNA_G

ClientSampleId :

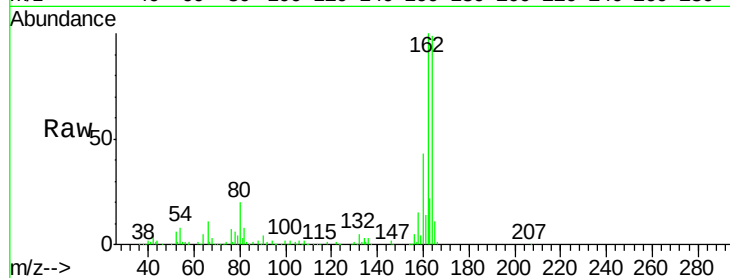
Tot Ion:164 Resp: 136453

Ion Ratio Lower Upper

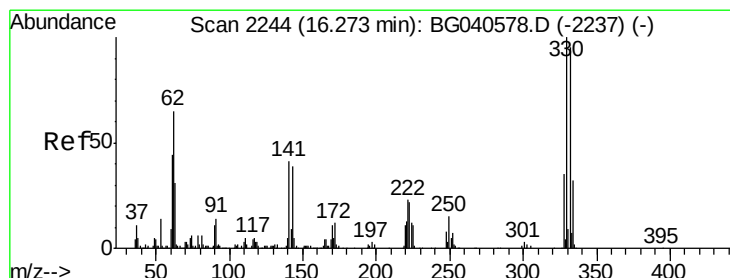
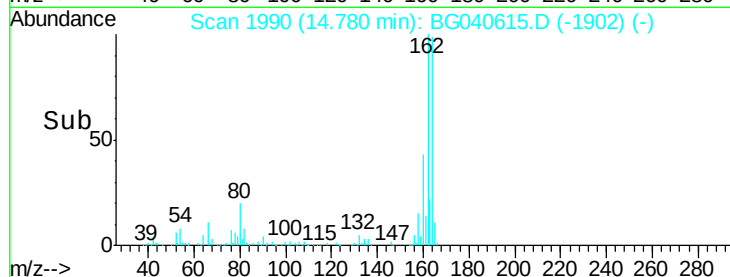
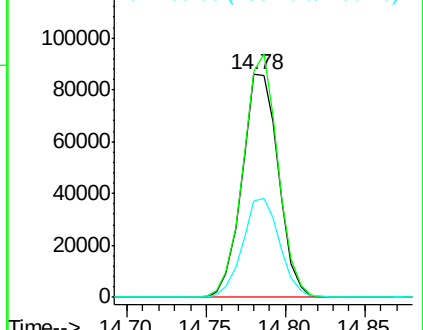
164 100

162 101.5 81.9 122.9

160 43.4 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: 145.025 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040615.D

Acq: 25 Apr 2019 18:00

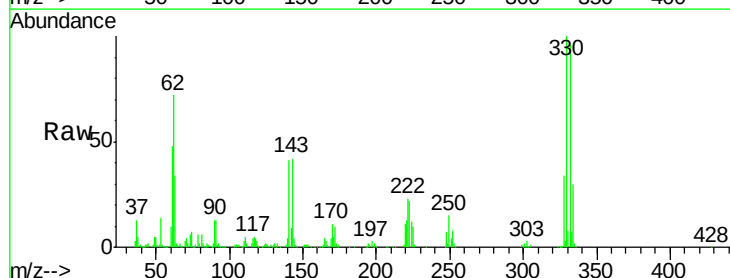
Tgt Ion:330 Resp: 272006

Ion Ratio Lower Upper

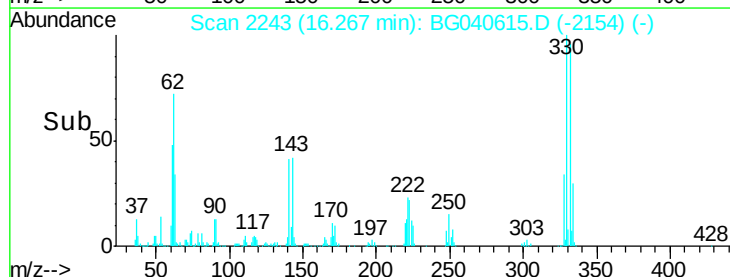
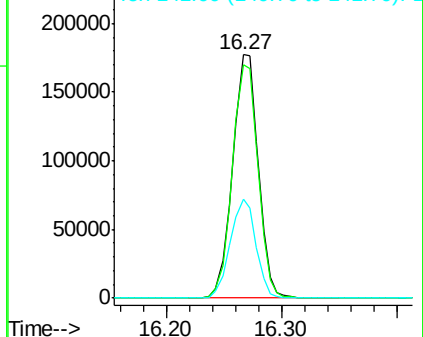
330 100

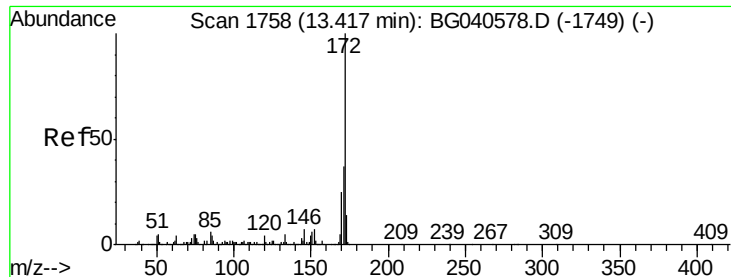
332 96.4 75.9 113.9

141 41.0 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: 87.642 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BG040615.D

Acq: 25 Apr 2019 18:00

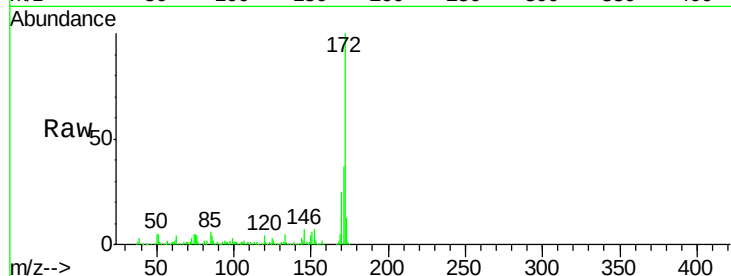
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 828076

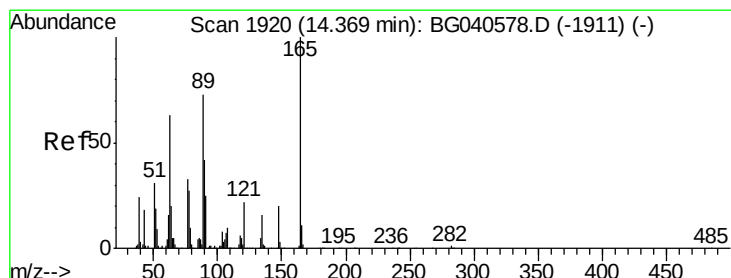
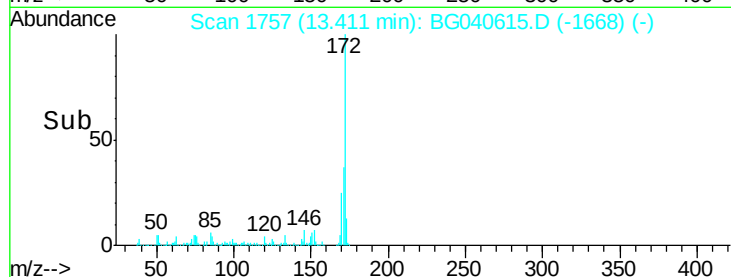
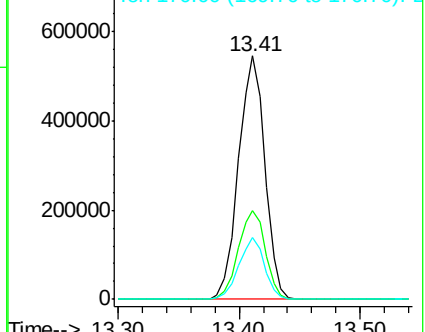
Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.2
170	25.4	19.9	29.9



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



#51

2,6-Dinitrotoluene

Concen: 7.826 ng

RT: 14.79 min Scan# 1991

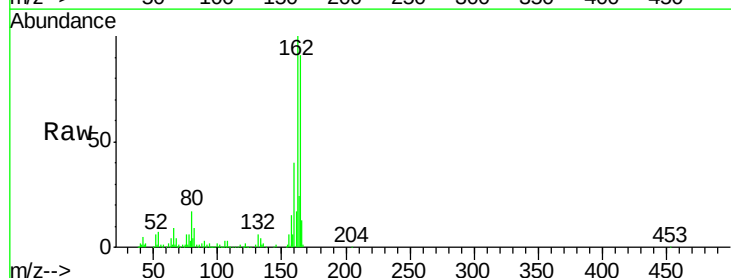
Delta R.T. 0.42 min

Lab File: BG040615.D

Acq: 25 Apr 2019 18:00

Tgt Ion:165 Resp: 17437

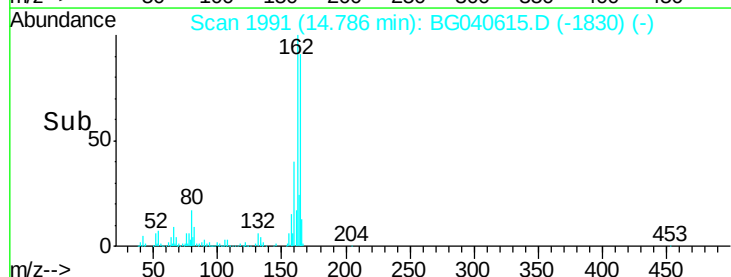
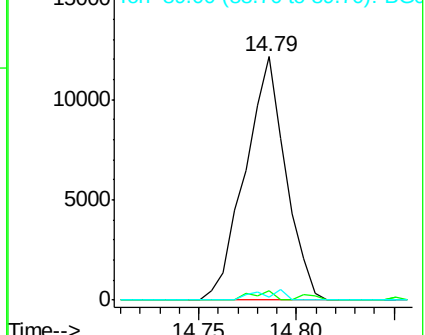
Ion	Ratio	Lower	Upper
165	100		
63	3.6	61.0	91.4#
89	1.4	58.6	87.8#

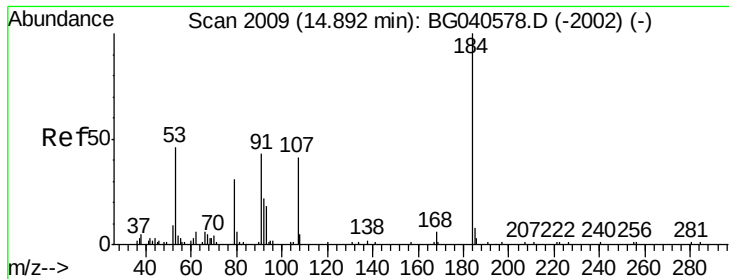


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

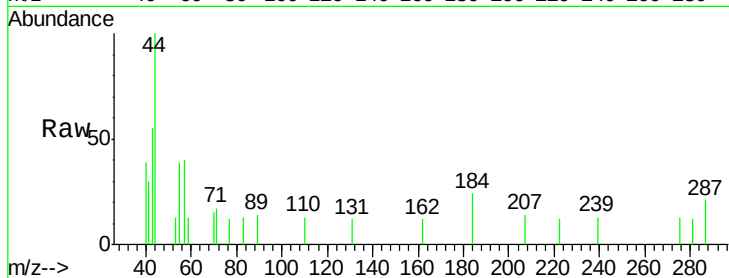




#54
2,4-Dinitrophenol
Concen: 7.097 ng
RT: 14.98 min Scan# 2024
Delta R.T. 0.09 min
Lab File: BG040615.D
Acq: 25 Apr 2019 18:00

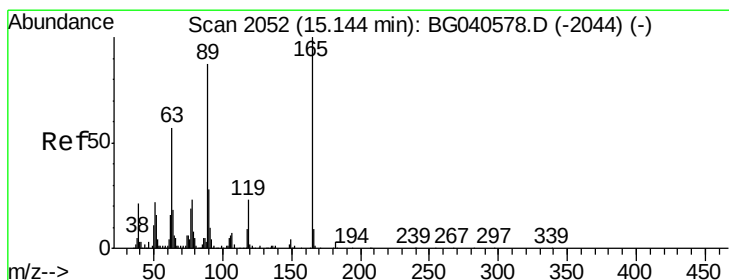
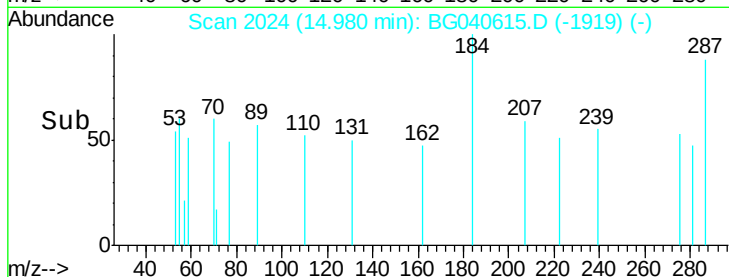
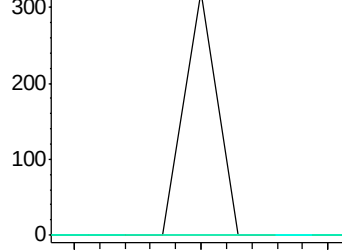
Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 113
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



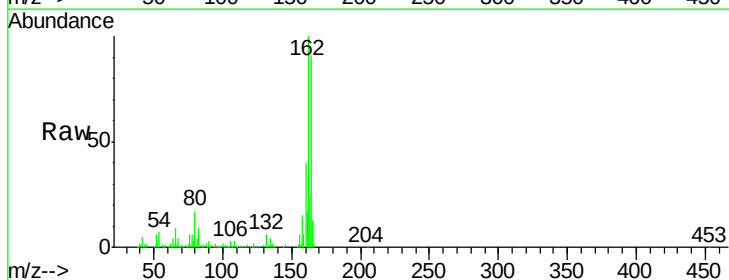
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

14.98



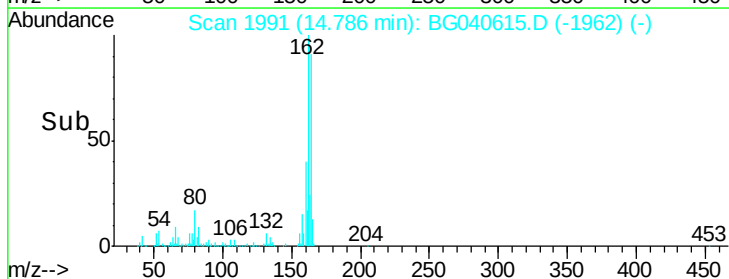
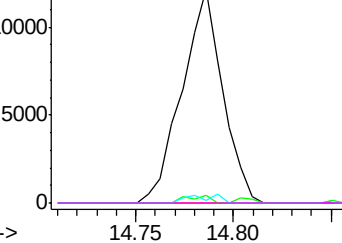
#57
2,4-Dinitrotoluene
Concen: 5.759 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG040615.D
Acq: 25 Apr 2019 18:00

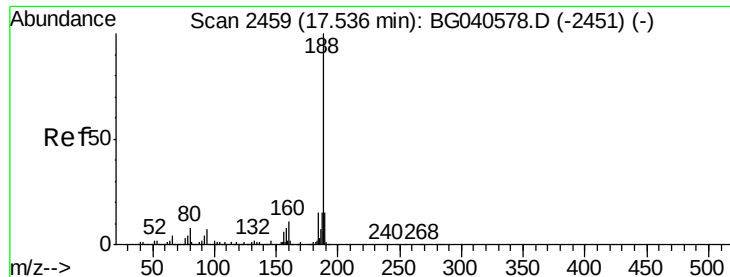
Tgt Ion:165 Resp: 17437
Ion Ratio Lower Upper
165 100
63 3.6 45.8 68.8#
89 1.4 69.4 104.2#
182 0.0 2.2 3.4#



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

14.79





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040615.D

Acq: 25 Apr 2019 18:00

Instrument :

BNA_G

ClientSampleId :

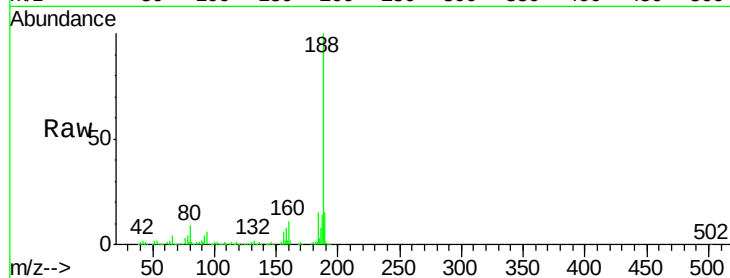
Tot Ion:188 Resp: 368601

Ion Ratio Lower Upper

188 100

94 6.3 5.6 8.4

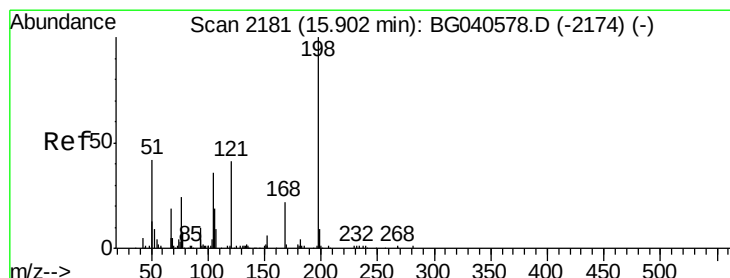
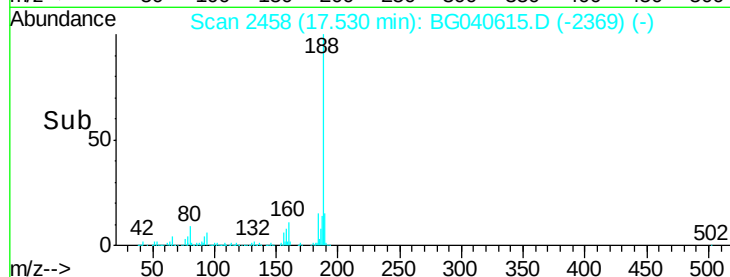
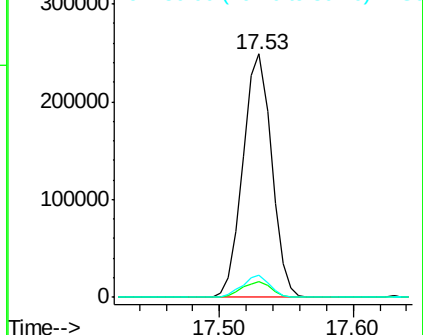
80 8.9 6.4 9.6



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: 7.141 ng

RT: 15.85 min Scan# 2172

Delta R.T. -0.05 min

Lab File: BG040615.D

Acq: 25 Apr 2019 18:00

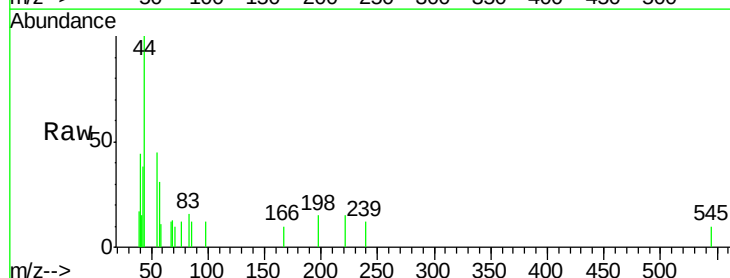
Tgt Ion:198 Resp: 85

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

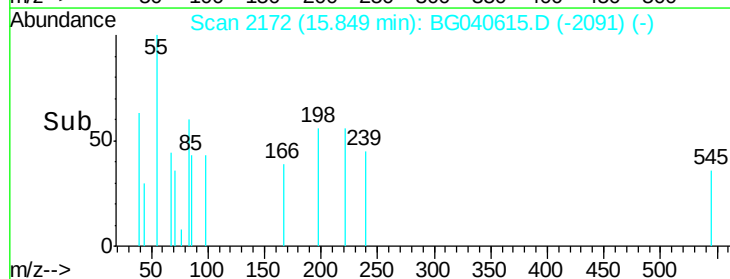
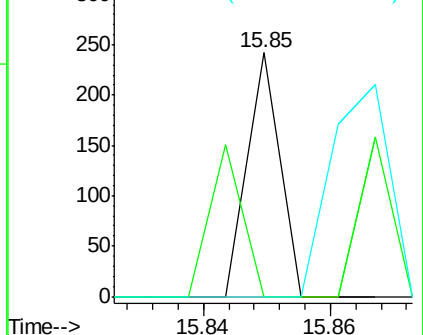
105 0.0 21.2 61.2#

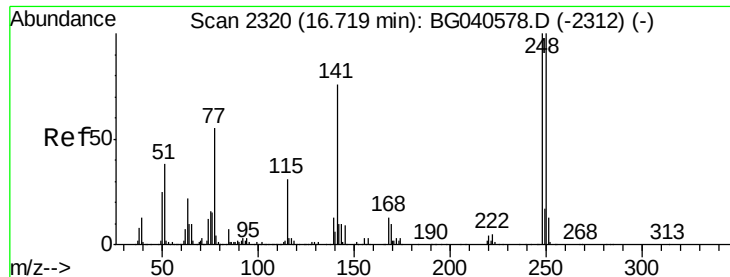


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

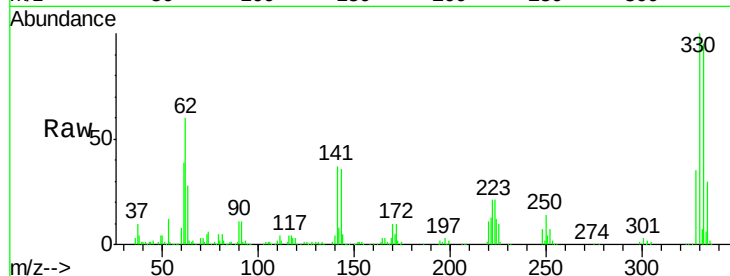




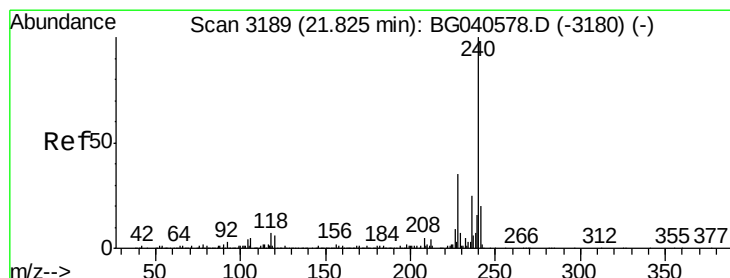
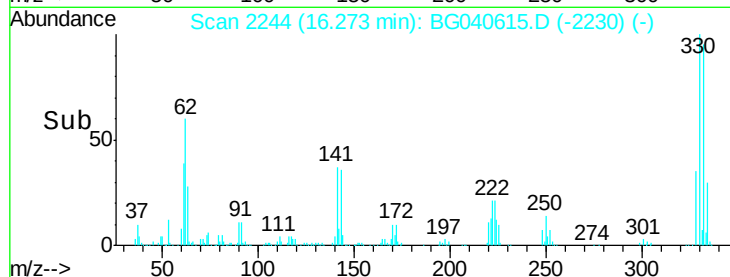
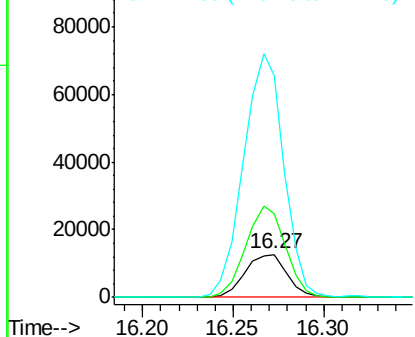
#67
4-Bromophenyl-phenylether
Concen: 4.396 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.45 min
Lab File: BG040615.D
Acq: 25 Apr 2019 18:00

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 20188
Ion Ratio Lower Upper
248 100
250 253.2 79.8 119.6#
141 521.3 60.8 91.2#

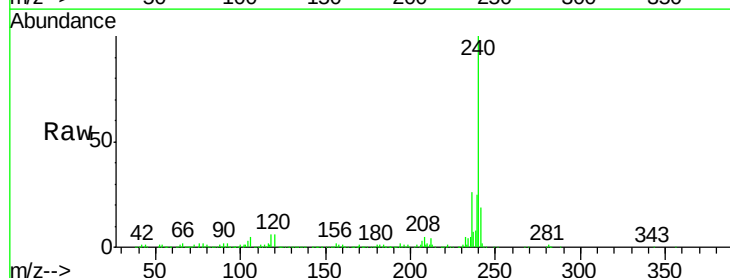


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

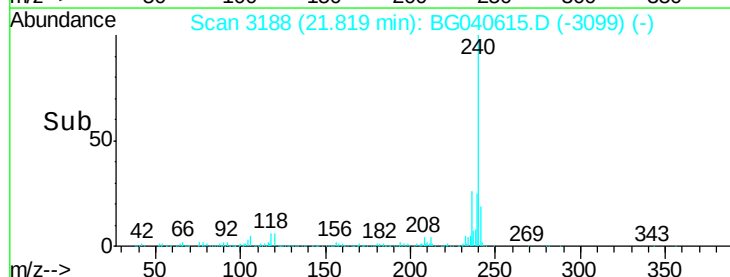
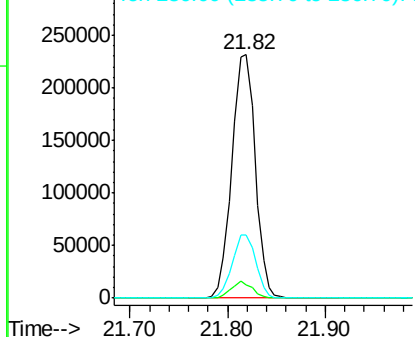


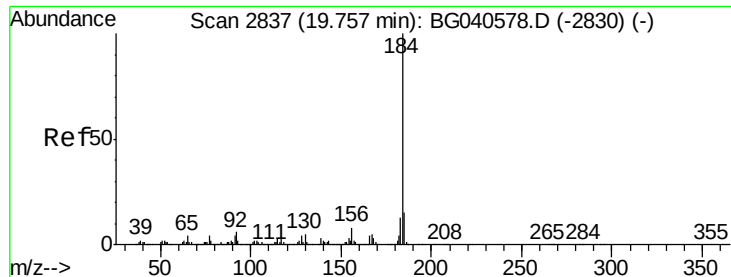
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG040615.D
Acq: 25 Apr 2019 18:00

Tgt Ion:240 Resp: 386896
Ion Ratio Lower Upper
240 100
120 5.6 5.0 7.6
236 26.1 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: 3.354 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040615.D

Acq: 25 Apr 2019 18:00

Instrument :

BNA_G

ClientSampleId :

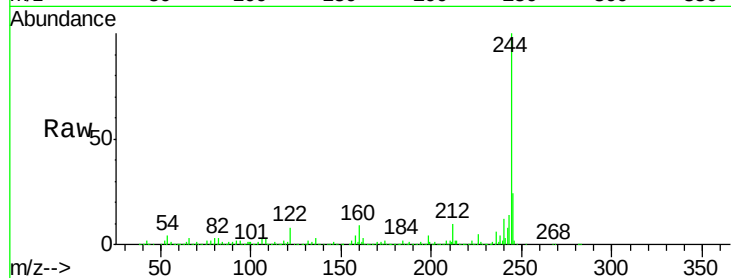
Tot Ion:184 Resp: 35532

Ion Ratio Lower Upper

184 100

185 15.6 11.8 17.8

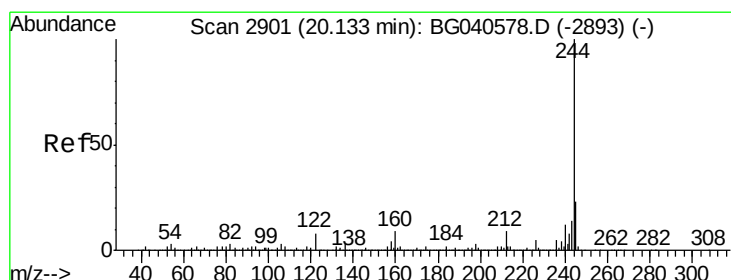
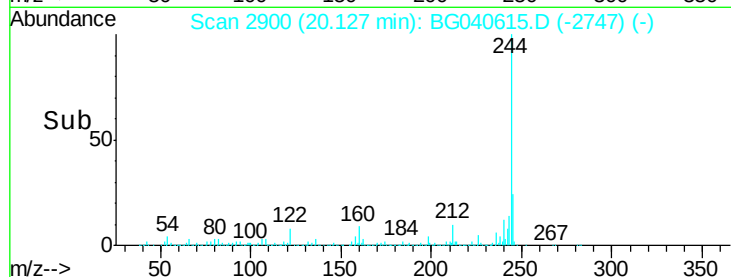
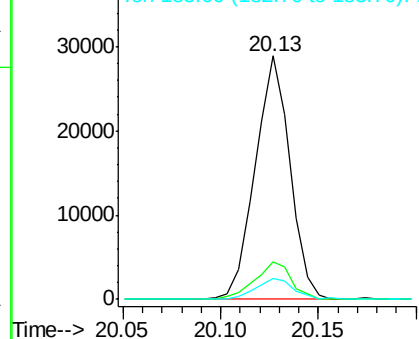
183 8.7 10.2 15.2#



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: 97.701 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040615.D

Acq: 25 Apr 2019 18:00

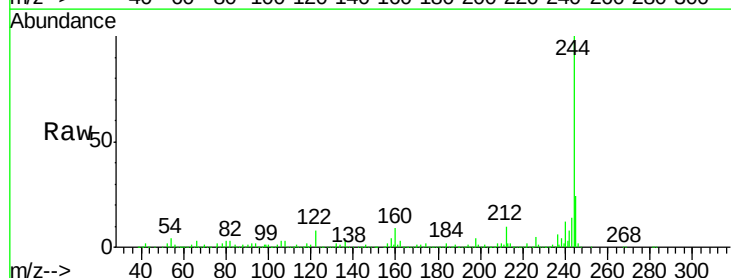
Tgt Ion:244 Resp: 1706222

Ion Ratio Lower Upper

244 100

212 9.9 7.2 10.8

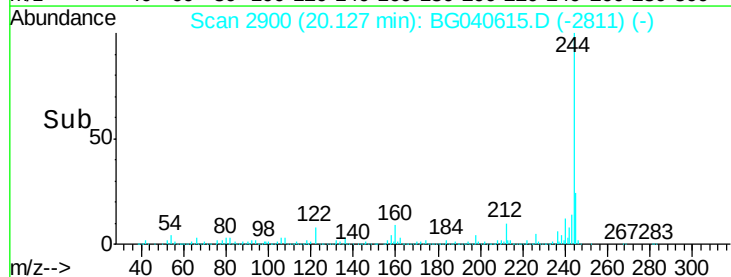
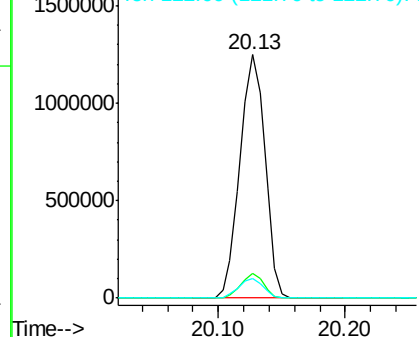
122 8.3 6.6 10.0

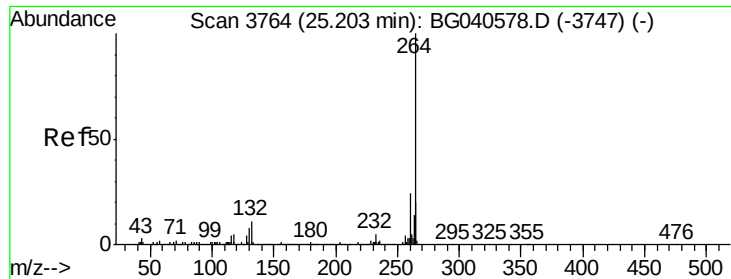


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

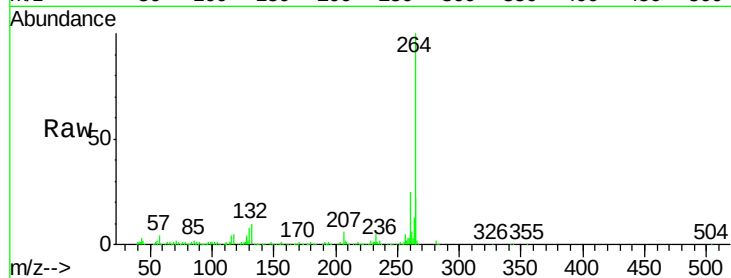




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3761
Delta R.T. -0.02 min
Lab File: BG040615.D
Acq: 25 Apr 2019 18:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.3	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

