

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\
 Data File : BG040610.D
 Acq On : 25 Apr 2019 14:51
 Operator : JU/SJ
 Sample : K2542-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 22:54:41 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

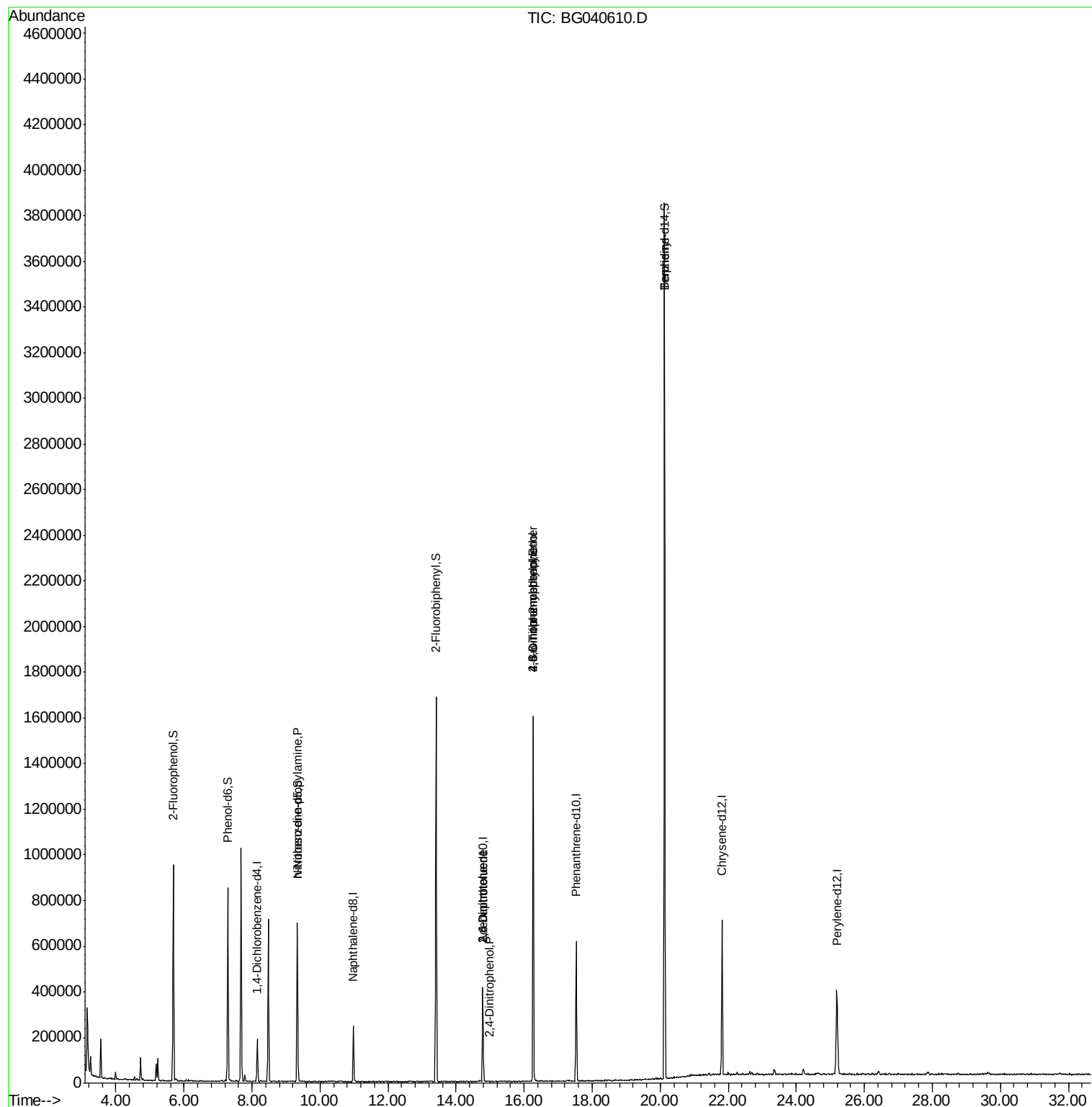
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	45155	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	179059	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	129622	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	363027	20.00	ng	0.00
76) Chrysene-d12	21.82	240	395024	20.00	ng	0.00
87) Perylene-d12	25.19	264	408752	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	316437	123.53	ng	0.00
7) Phenol-d6	7.29	99	408633	103.61	ng	0.00
23) Nitrobenzene-d5	9.33	82	390115	100.67	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	258916	145.32	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	796434	88.74	ng	0.00
79) Terphenyl-d14	20.13	244	1723985	96.69	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	1381	Below Cal	Qvalue	# 15
19) n-Nitroso-di-n-propylamine	9.33	70	57701	16.252 ng	#	77
51) 2,6-Dinitrotoluene	14.79	165	17342	8.193 ng	#	16
54) 2,4-Dinitrophenol	14.97	184	71	7.069 ng	#	21
57) 2,4-Dinitrotoluene	14.79	165	17342	6.030 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.27	198	1239	7.691 ng	#	16
67) 4-Bromophenyl-phenylether	16.27	248	18558	4.103 ng	#	1
77) Benzydine	20.13	184	35249	3.259 ng	#	90

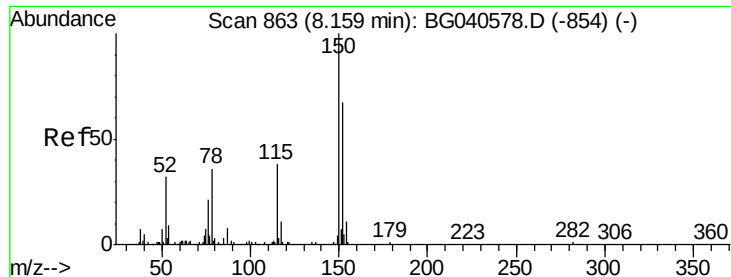
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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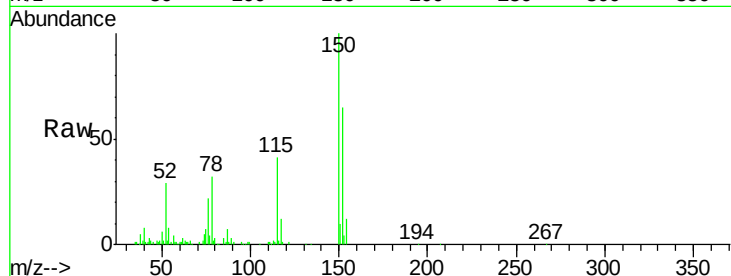


#1

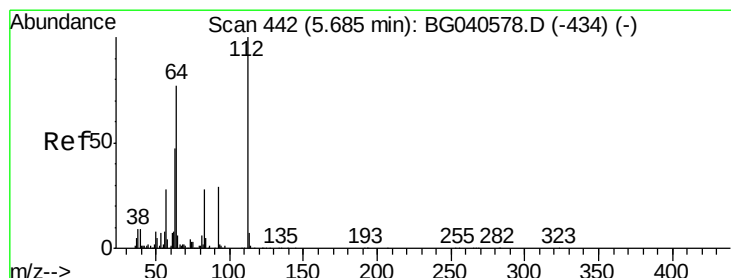
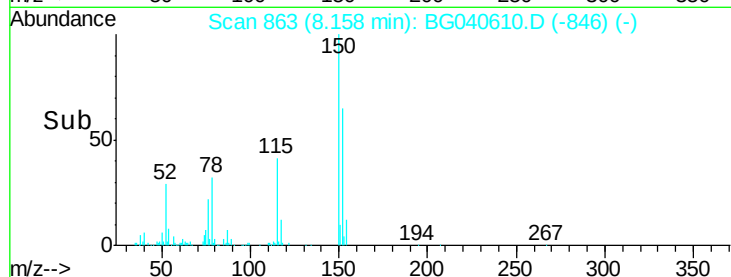
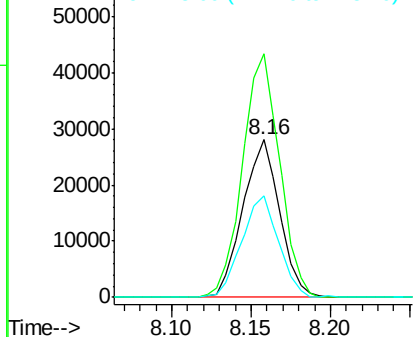
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040610.D
Acq: 25 Apr 2019 14:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	120.2	180.2
115	64.1	46.2	69.2



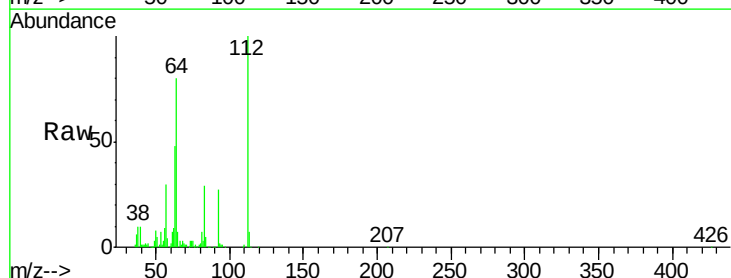
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



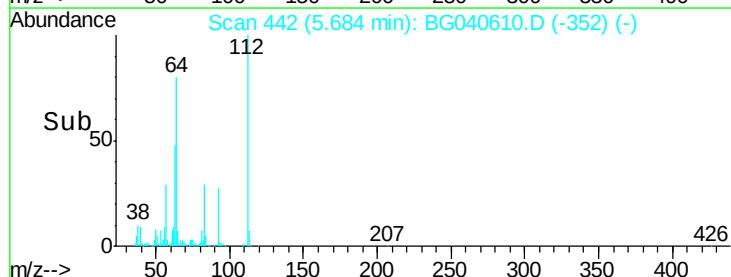
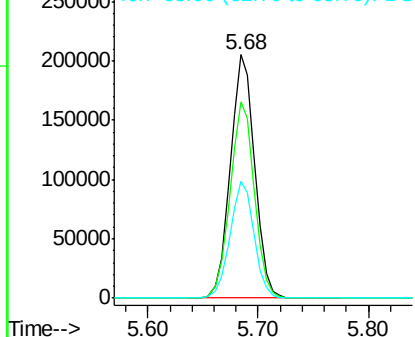
#5

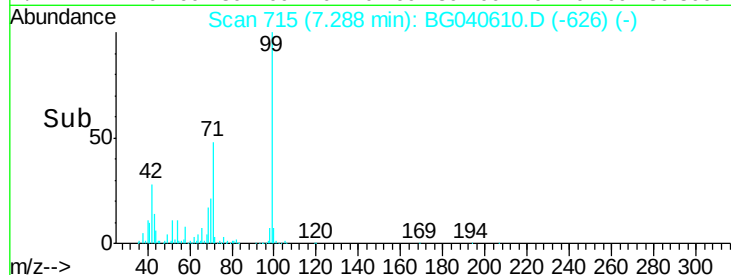
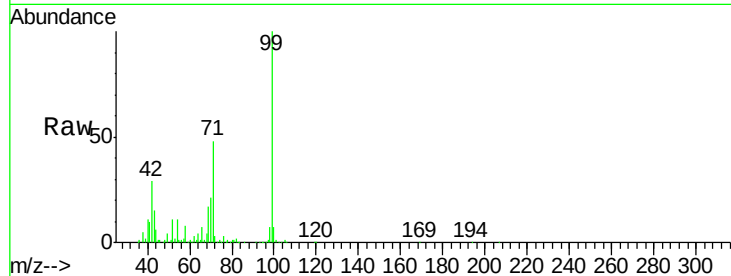
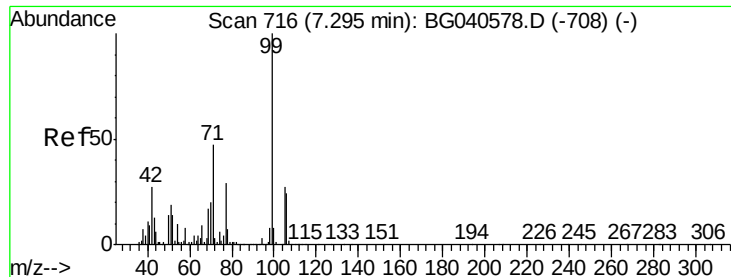
2-Fluorophenol
Concen: 123.531 ng
RT: 5.68 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040610.D
Acq: 25 Apr 2019 14:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	80.4	61.4	92.0
63	47.8	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: 103.605 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040610.D

Acq: 25 Apr 2019 14:51

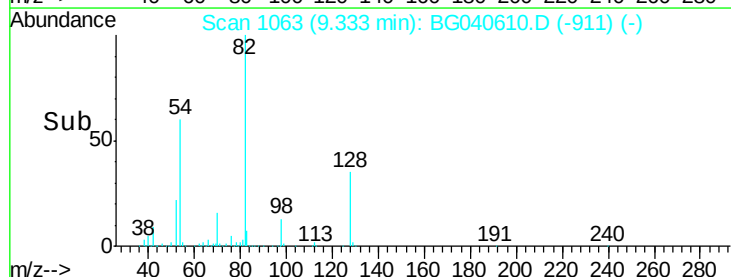
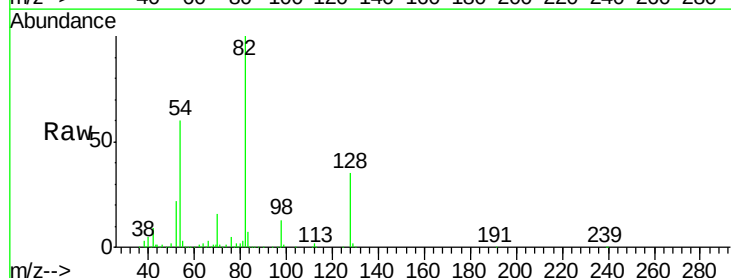
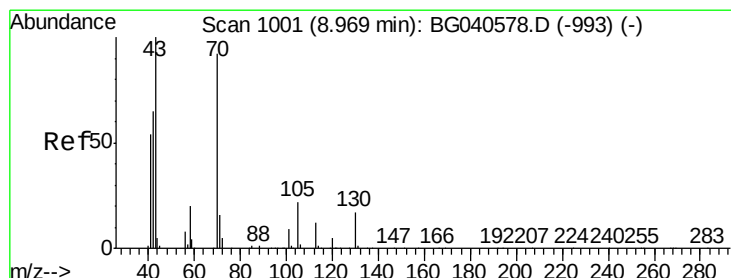
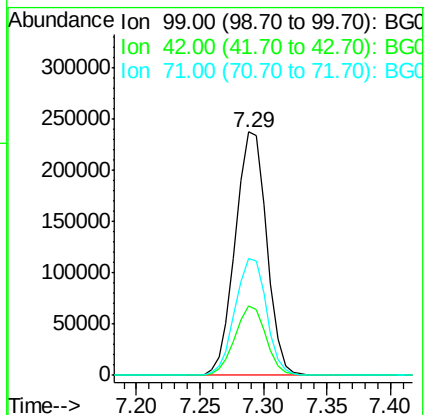
Tot Ion: 99 Resp: 408633

Ion Ratio Lower Upper

99 100

42 28.5 21.8 32.8

71 48.1 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 16.252 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040610.D

Acq: 25 Apr 2019 14:51

Tgt Ion: 70 Resp: 57701

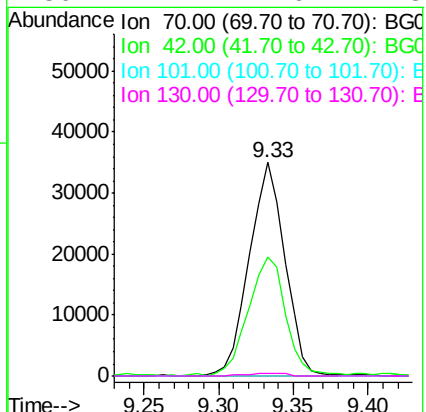
Ion Ratio Lower Upper

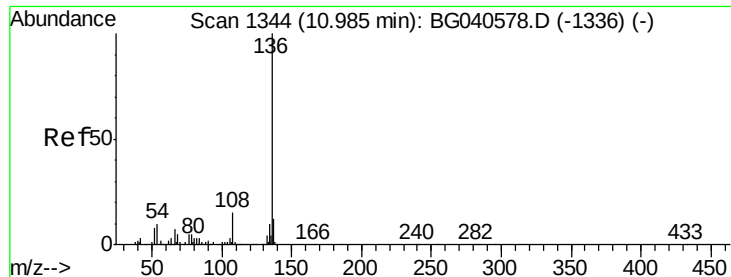
70 100

42 55.9 57.1 85.7#

101 0.0 7.8 11.8#

130 1.2 14.6 21.8#

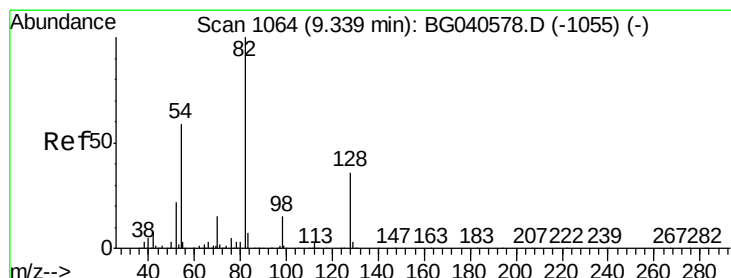
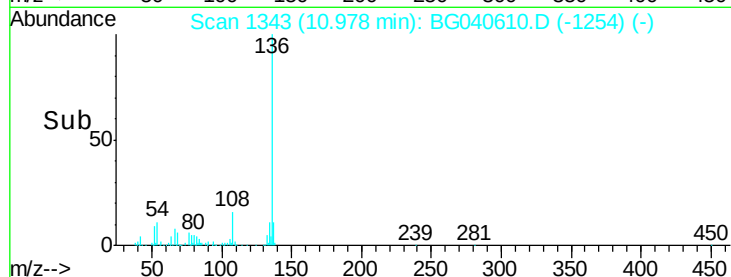
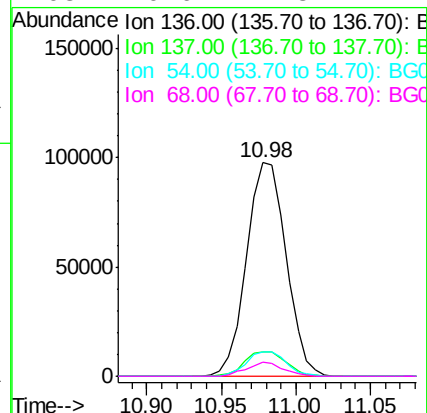
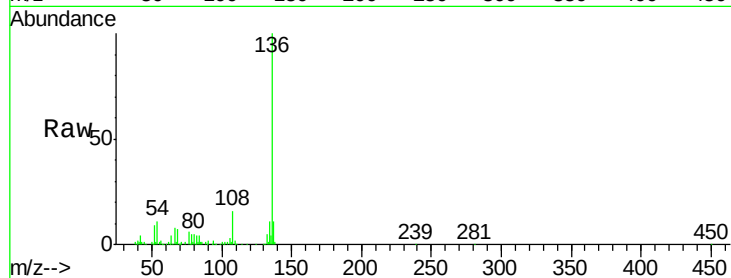




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040610.D
Acq: 25 Apr 2019 14:51

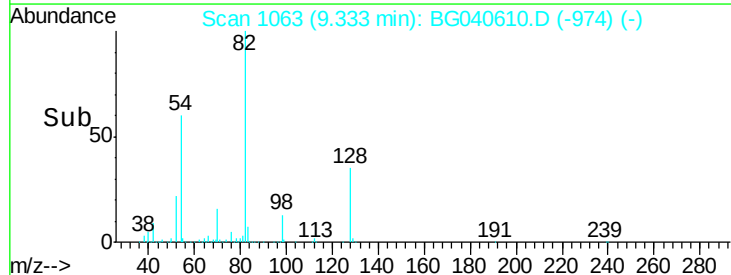
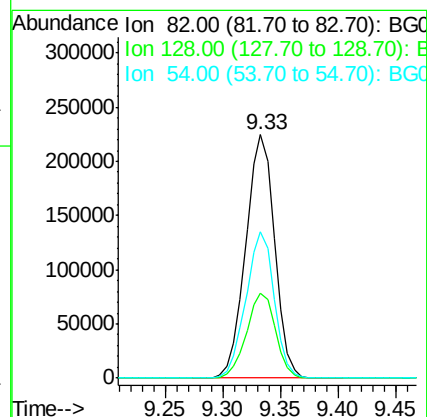
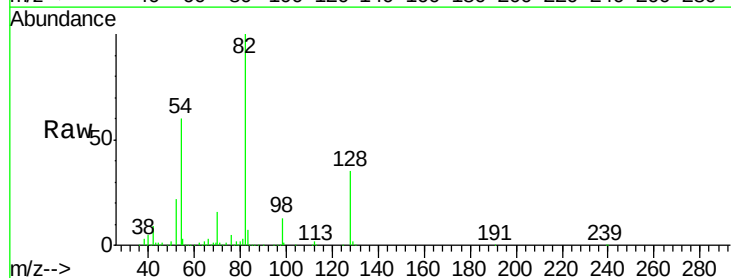
Instrument :
BNA_G
ClientSampleId :

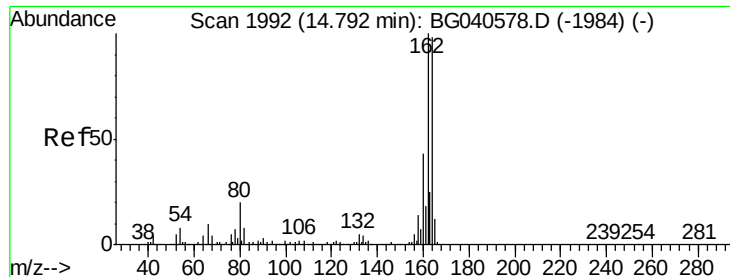
Tot Ion:136	Resp:	179059
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.7 14.5
54	11.5	8.6 12.8
68	6.6	4.8 7.2



#23
Nitrobenzene-d5
Concen: 100.669 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040610.D
Acq: 25 Apr 2019 14:51

Tgt Ion: 82	Resp:	390115
Ion	Ratio	Lower Upper
82	100	
128	35.1	28.9 43.3
54	60.0	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG040610.D

Acq: 25 Apr 2019 14:51

Instrument :

BNA_G

ClientSampleId :

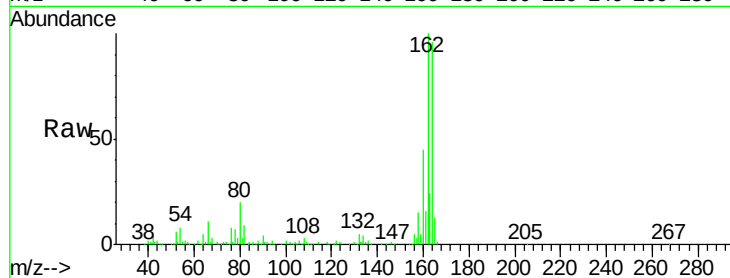
Tot Ion:164 Resp: 129622

Ion Ratio Lower Upper

164 100

162 104.0 81.9 122.9

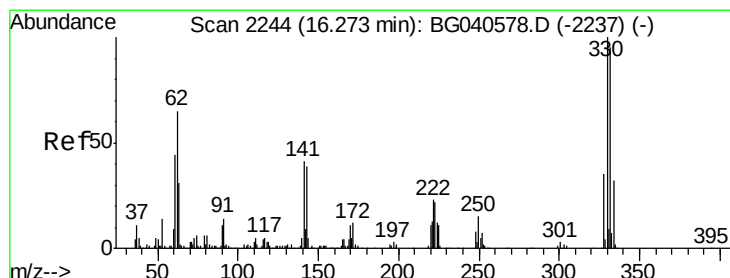
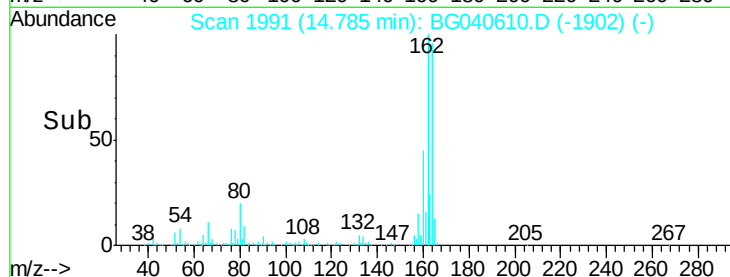
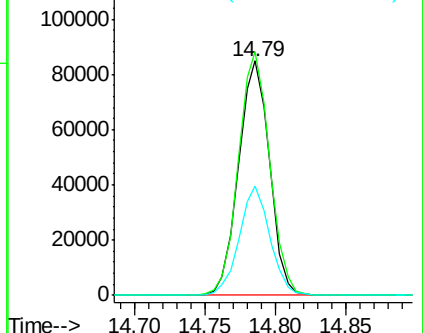
160 46.6 35.4 53.2



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: 145.321 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.00 min

Lab File: BG040610.D

Acq: 25 Apr 2019 14:51

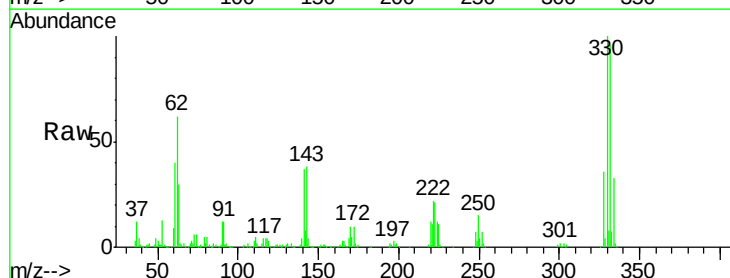
Tgt Ion:330 Resp: 258916

Ion Ratio Lower Upper

330 100

332 95.3 75.9 113.9

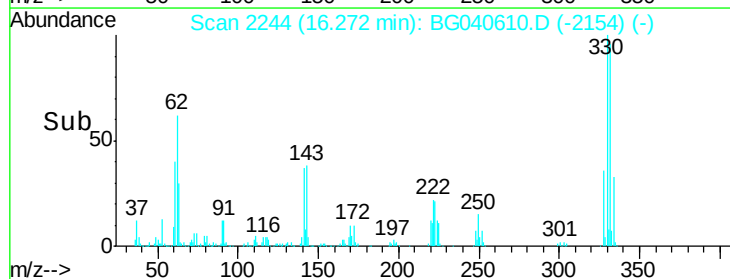
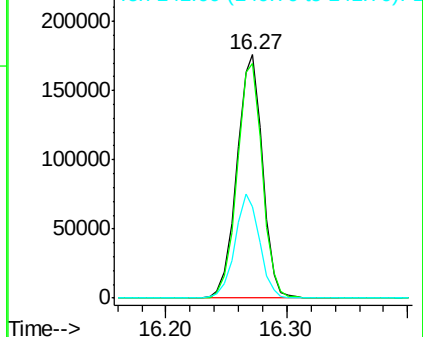
141 41.5 32.4 48.6

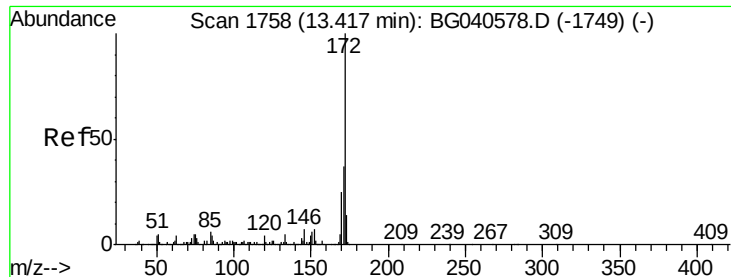


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 88.736 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BG040610.D

Acq: 25 Apr 2019 14:51

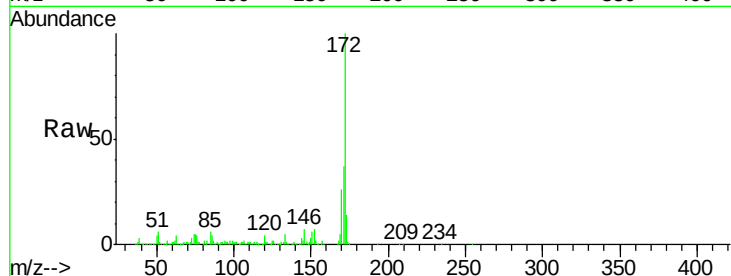
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 796434

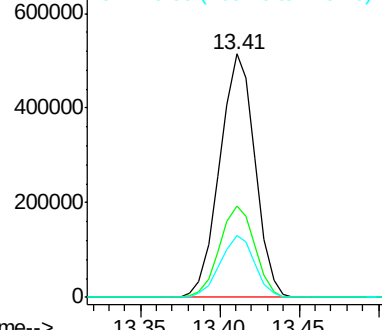
Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.4	44.2
170	25.5	19.9	29.9



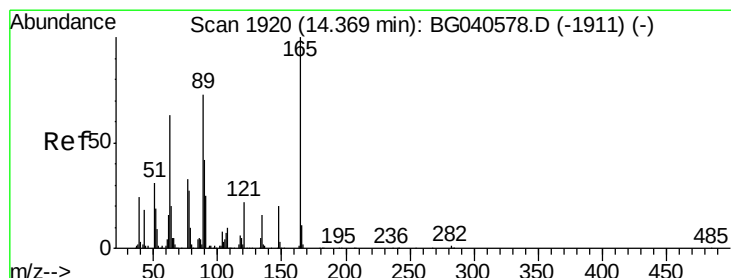
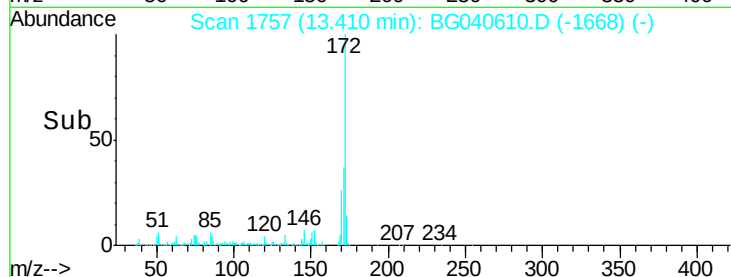
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#51

2,6-Dinitrotoluene

Concen: 8.193 ng

RT: 14.79 min Scan# 1991

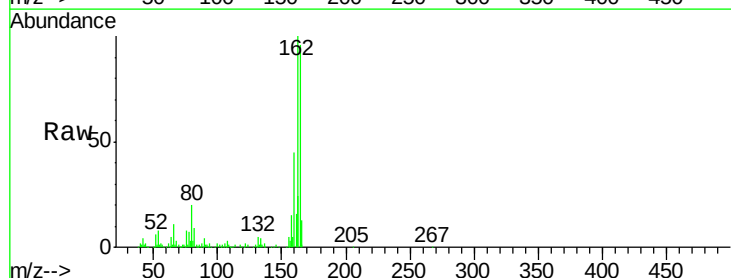
Delta R.T. 0.42 min

Lab File: BG040610.D

Acq: 25 Apr 2019 14:51

Tgt Ion:165 Resp: 17342

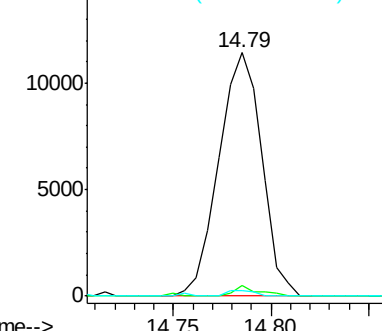
Ion	Ratio	Lower	Upper
165	100		
63	4.3	61.0	91.4#
89	2.2	58.6	87.8#



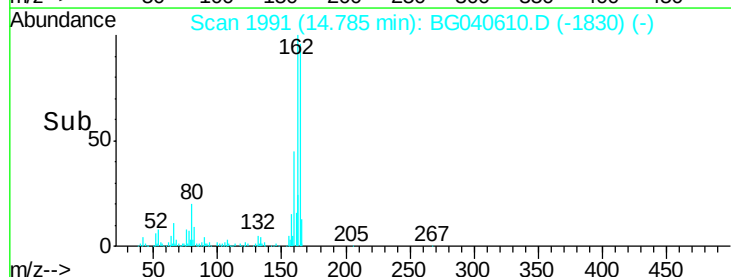
Abundance Ion 165.00 (164.70 to 165.70): E

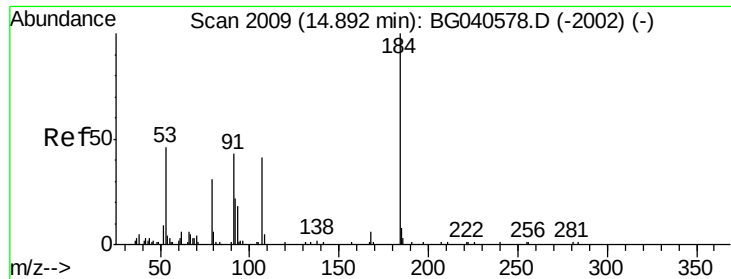
Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0



Time-->

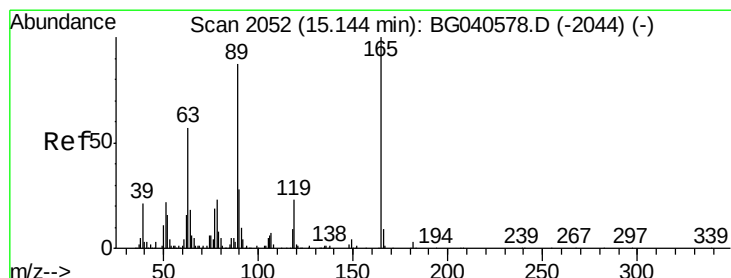
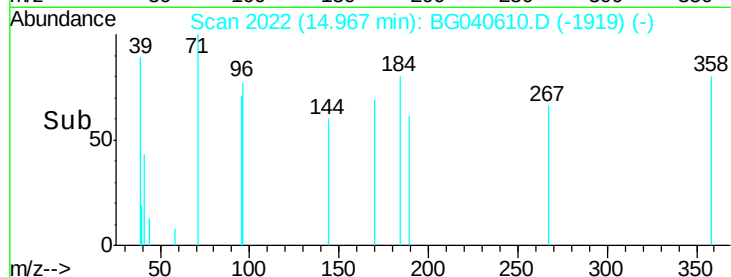
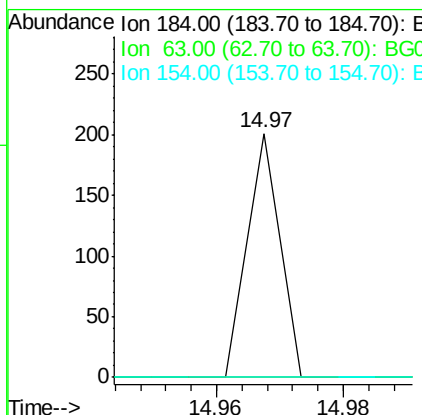
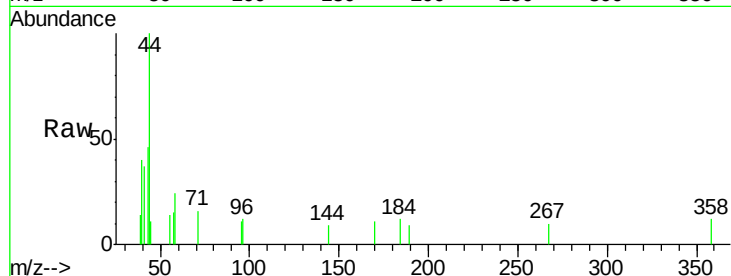




#54
 2,4-Dinitrophenol
 Concen: 7.069 ng
 RT: 14.97 min Scan# 2022
 Delta R.T. 0.08 min
 Lab File: BG040610.D
 Acq: 25 Apr 2019 14:51

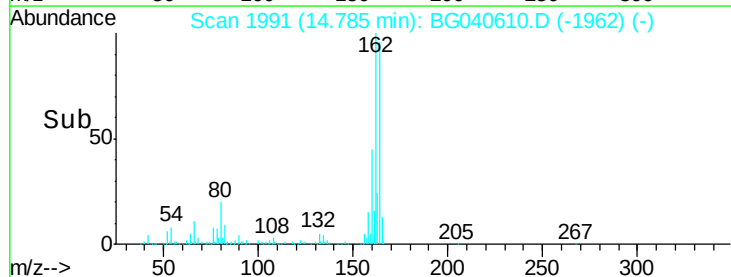
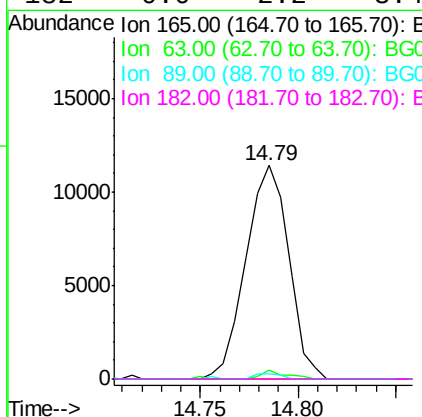
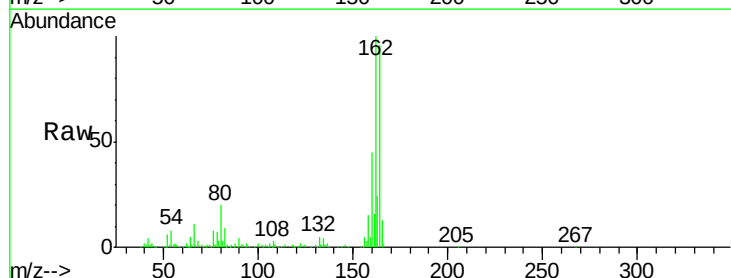
Instrument :
 BNA_G
 ClientSampled :

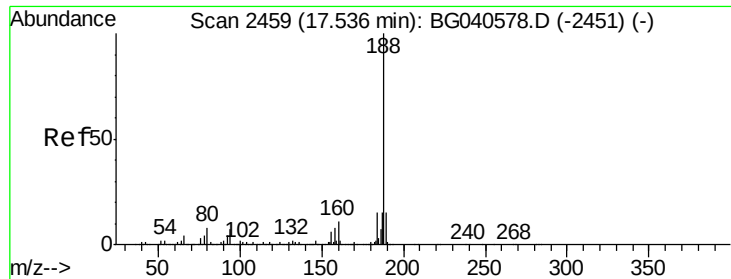
Tot Ion:184 Resp: 71
 Ion Ratio Lower Upper
 184 100
 63 0.0 51.8 77.6#
 154 0.0 43.6 65.4#



#57
 2,4-Dinitrotoluene
 Concen: 6.030 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. -0.36 min
 Lab File: BG040610.D
 Acq: 25 Apr 2019 14:51

Tgt Ion:165 Resp: 17342
 Ion Ratio Lower Upper
 165 100
 63 4.3 45.8 68.8#
 89 2.2 69.4 104.2#
 182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040610.D

Acq: 25 Apr 2019 14:51

Instrument :

BNA_G

ClientSampleId :

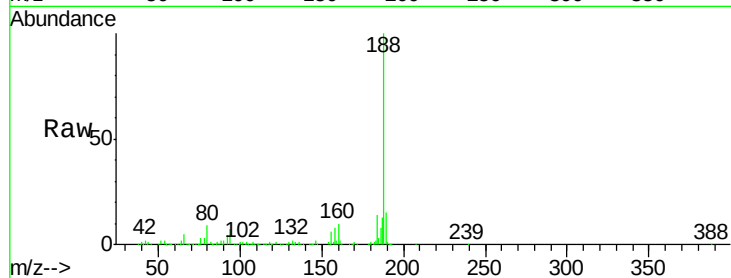
Tot Ion:188 Resp: 363027

Ion Ratio Lower Upper

188 100

94 6.8 5.6 8.4

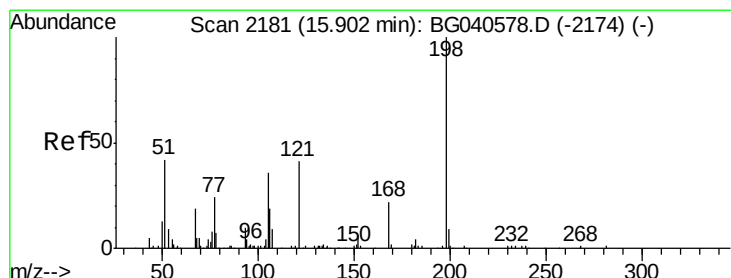
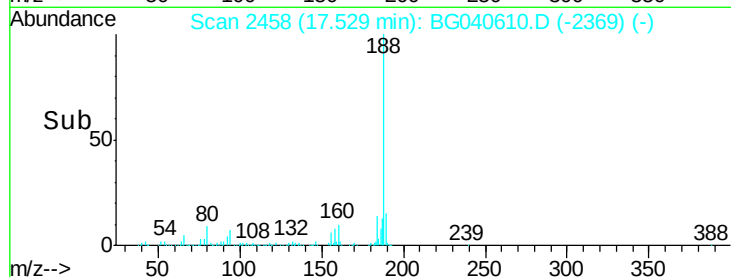
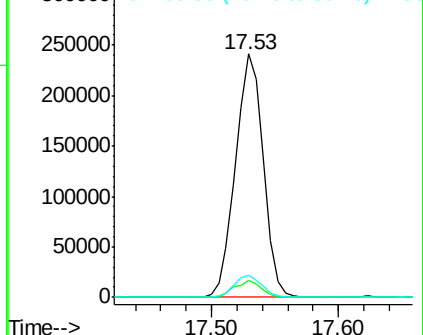
80 9.1 6.4 9.6



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: 7.691 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.37 min

Lab File: BG040610.D

Acq: 25 Apr 2019 14:51

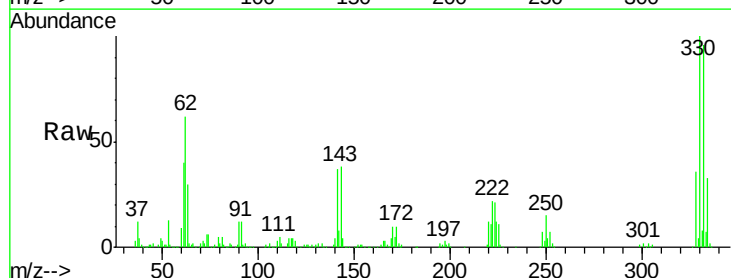
Tgt Ion:198 Resp: 1239

Ion Ratio Lower Upper

198 100

51 132.7 35.9 75.9#

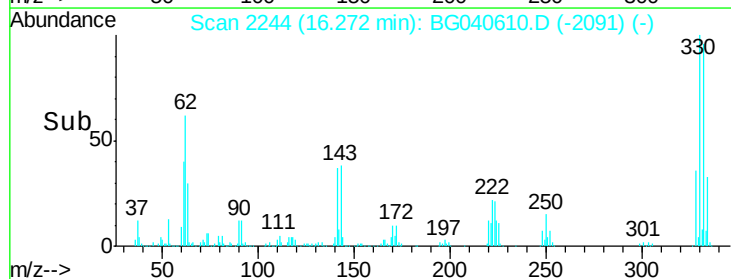
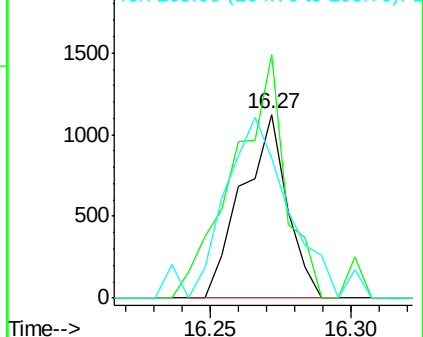
105 76.2 21.2 61.2#

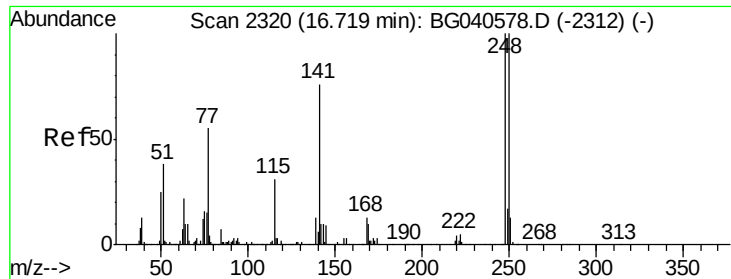


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

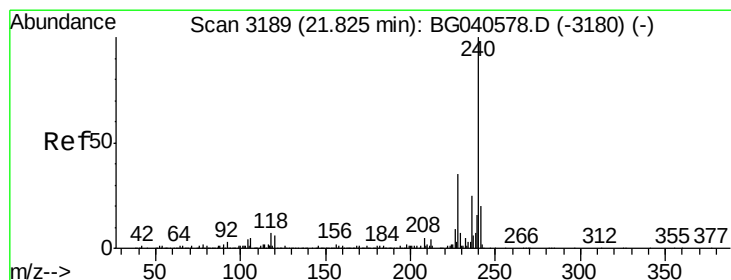
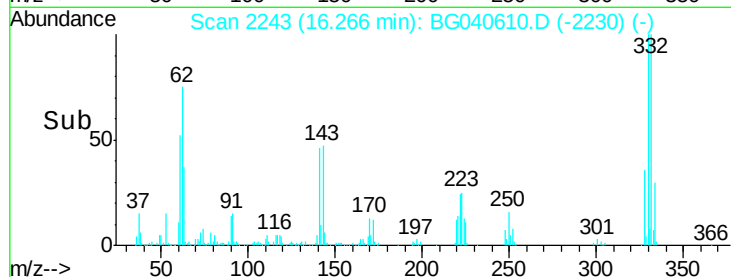
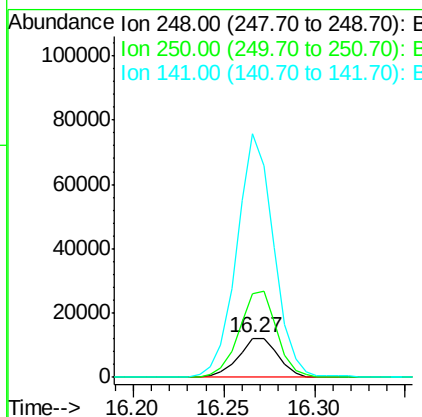
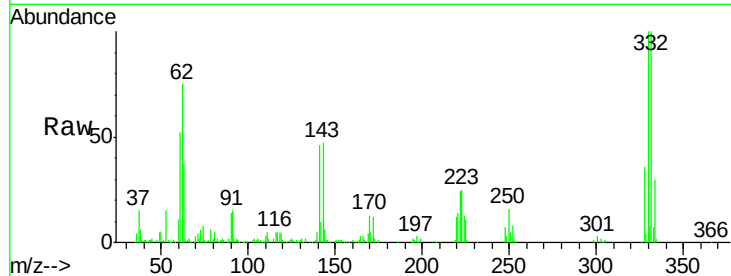




#67
 4-Bromophenyl-phenylether
 Concen: 4.103 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG040610.D
 Acq: 25 Apr 2019 14:51

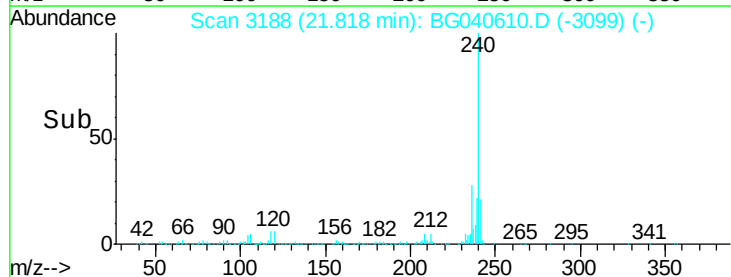
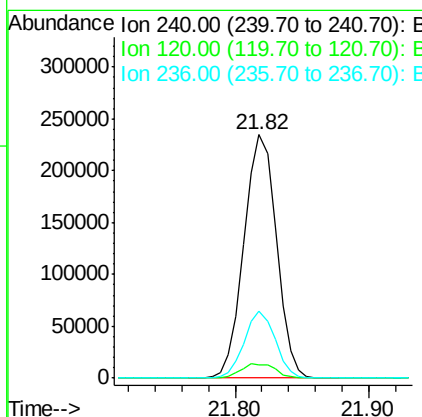
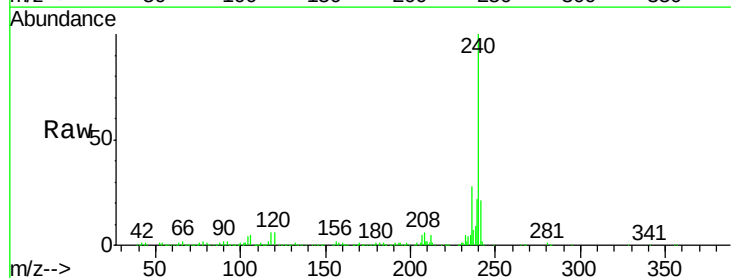
Instrument :
 BNA_G
 ClientSampleId :

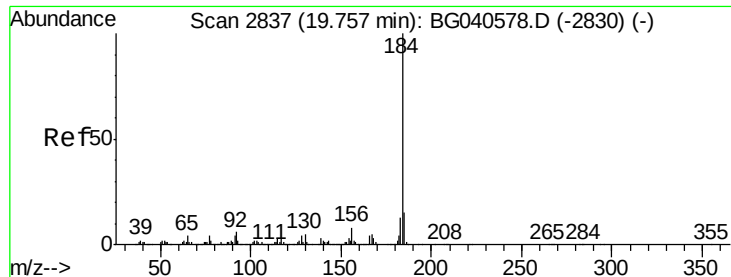
Tot Ion:248 Resp: 18558
 Ion Ratio Lower Upper
 248 100
 250 159.6 79.8 119.6#
 141 463.6 60.8 91.2#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3188
 Delta R.T. -0.01 min
 Lab File: BG040610.D
 Acq: 25 Apr 2019 14:51

Tgt Ion:240 Resp: 395024
 Ion Ratio Lower Upper
 240 100
 120 5.7 5.0 7.6
 236 27.6 20.3 30.5





#77

Benzidine

Concen: 3.259 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040610.D

Acq: 25 Apr 2019 14:51

Instrument :

BNA_G

ClientSampleId :

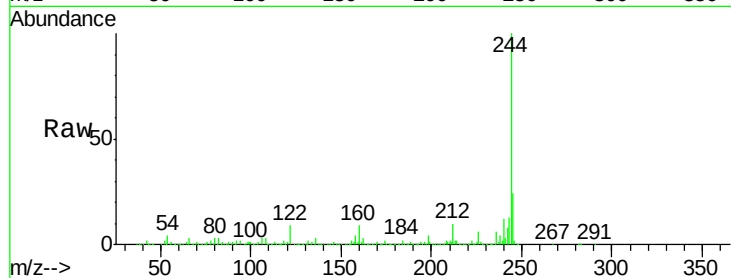
Tot Ion:184 Resp: 35249

Ion Ratio Lower Upper

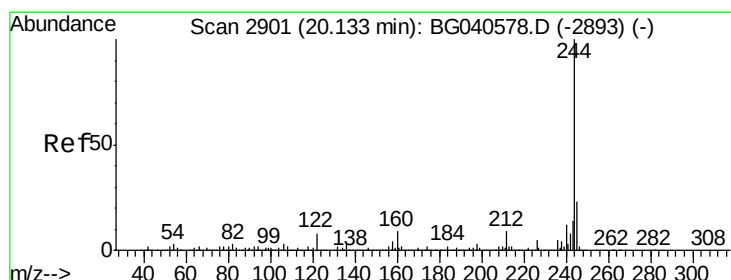
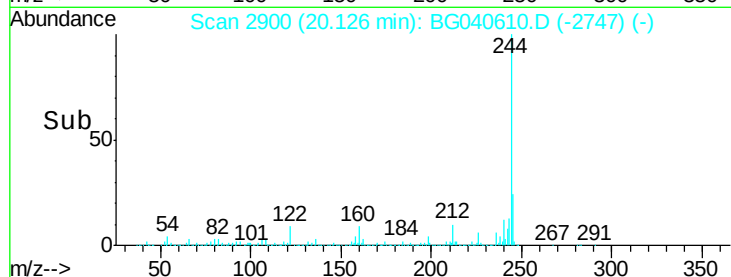
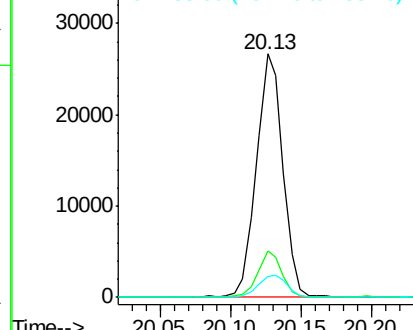
184 100

185 19.1 11.8 17.8#

183 8.6 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: 96.687 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040610.D

Acq: 25 Apr 2019 14:51

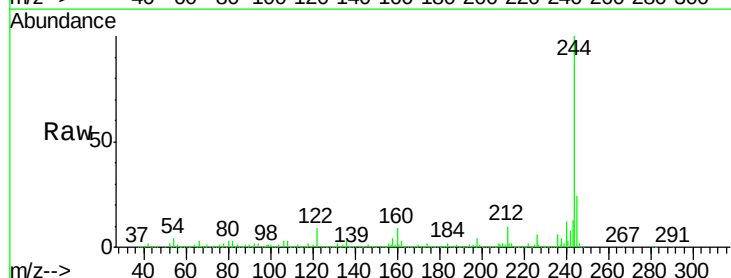
Tgt Ion:244 Resp: 1723985

Ion Ratio Lower Upper

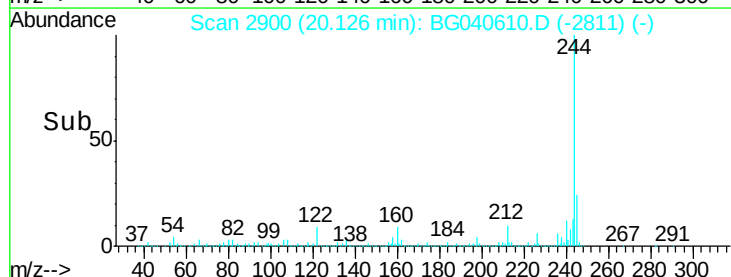
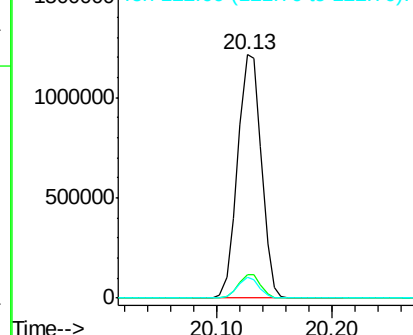
244 100

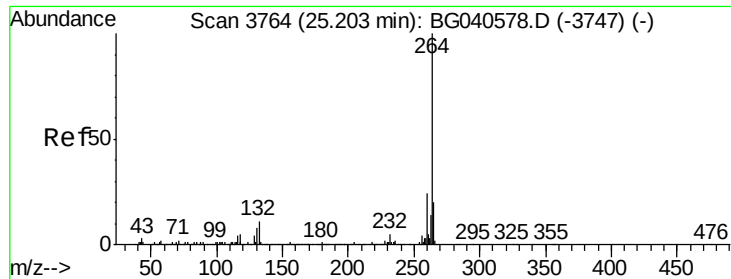
212 9.5 7.2 10.8

122 8.8 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

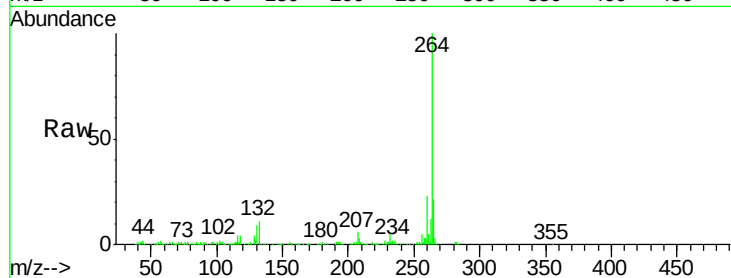




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.19 min Scan# 3762
 Delta R.T. -0.01 min
 Lab File: BG040610.D
 Acq: 25 Apr 2019 14:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	20.9	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

