

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\
 Data File : BG040618.D
 Acq On : 25 Apr 2019 19:54
 Operator : JU/SJ
 Sample : K2566-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 22:56:06 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

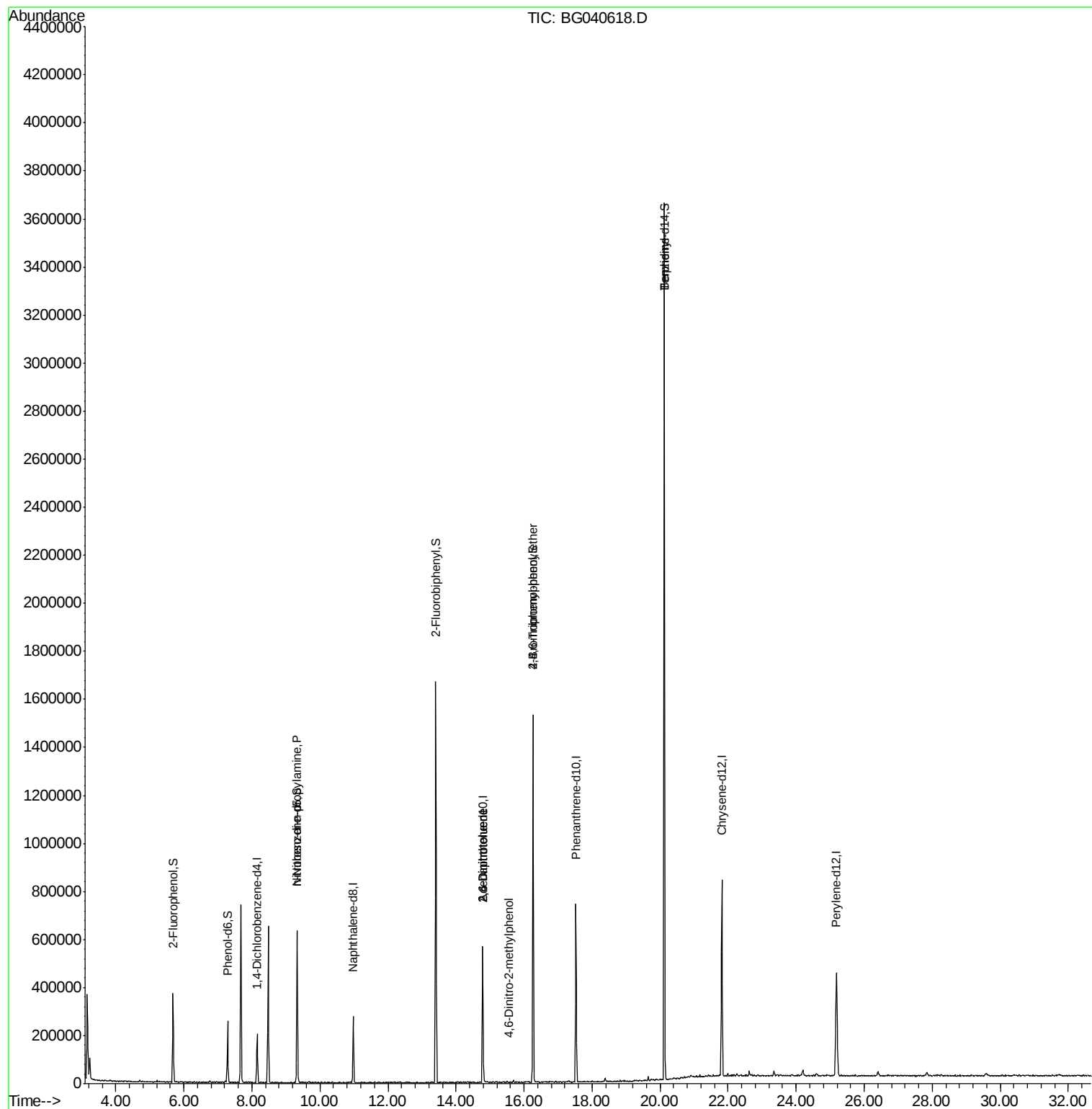
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	49179	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	209301	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	154773	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	423655	20.00	ng	0.00
76) Chrysene-d12	21.82	240	464721	20.00	ng	0.00
87) Perylene-d12	25.19	264	479695	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	127884	45.84	ng	0.00
7) Phenol-d6	7.29	99	118580	27.60	ng	0.00
23) Nitrobenzene-d5	9.33	82	353215	77.98	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	253290	119.06	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	773385	72.17	ng	0.00
79) Terphenyl-d14	20.12	244	1606489	76.58	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	210	Below Cal	Qvalue # 6	
19) n-Nitroso-di-n-propylamine	9.33	70	53533	13.844 ng	#	76
51) 2,6-Dinitrotoluene	14.78	165	20248	8.012 ng	#	18
57) 2,4-Dinitrotoluene	14.78	165	20248	5.896 ng	#	20
65) 4,6-Dinitro-2-methylphenol	15.56	198	57	7.124 ng	#	28
67) 4-Bromophenyl-phenylether	16.27	248	19162	3.630 ng	#	1
77) Benizidine	20.12	184	32414	2.547 ng	#	93

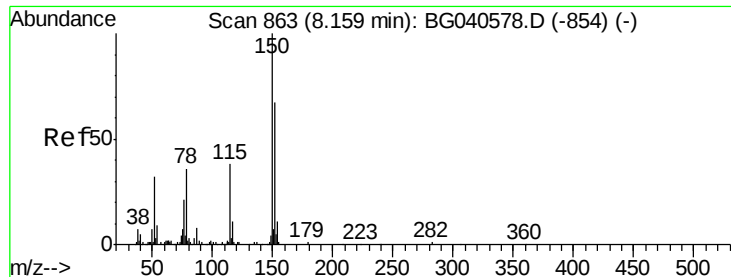
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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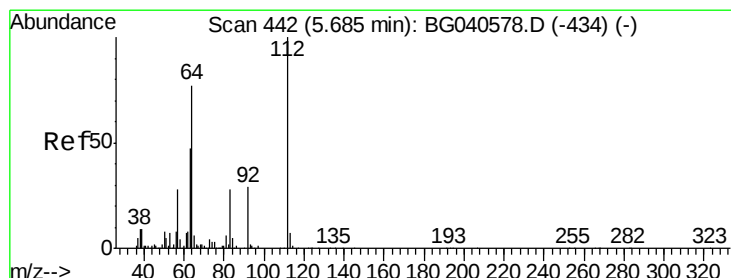
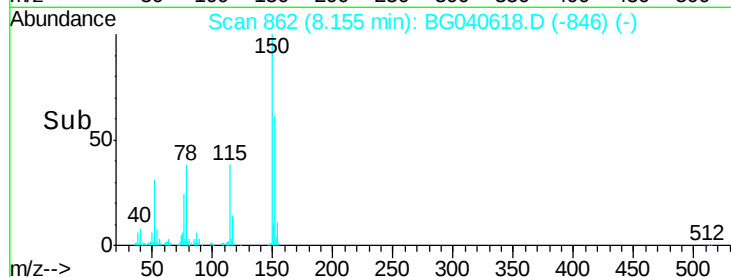
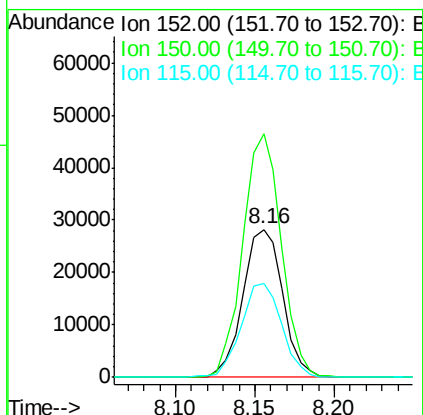
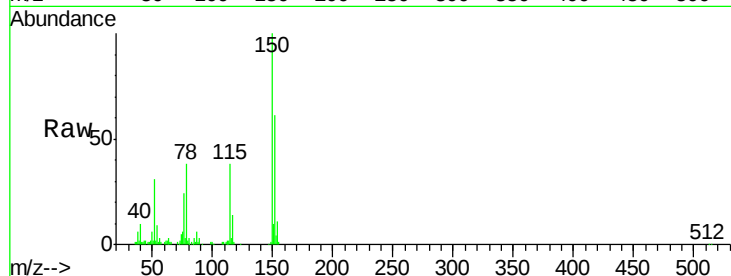


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040618.D
Acq: 25 Apr 2019 19:54

Instrument :
BNA_G
ClientSampleId :

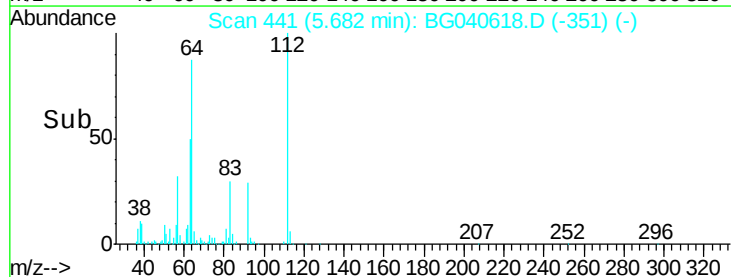
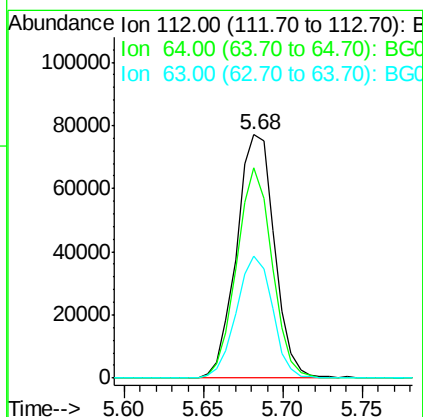
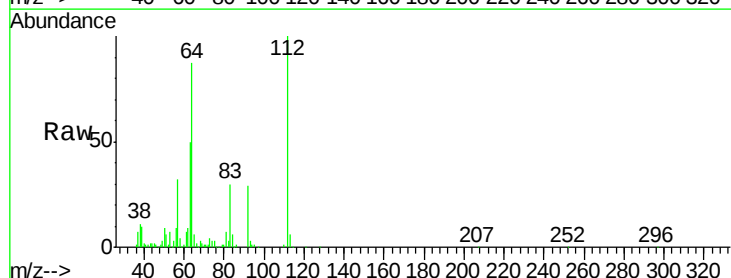
Tot Ion	Ratio	Lower	Upper
152	100		
150	164.3	120.2	180.2
115	63.0	46.2	69.2

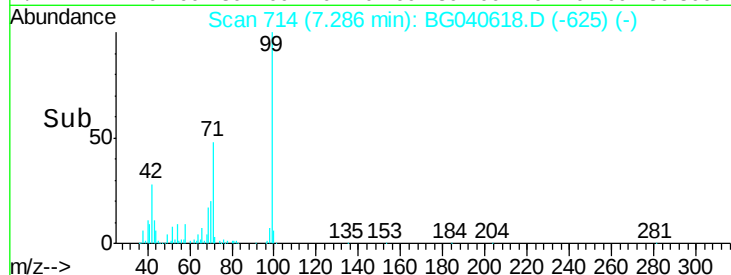
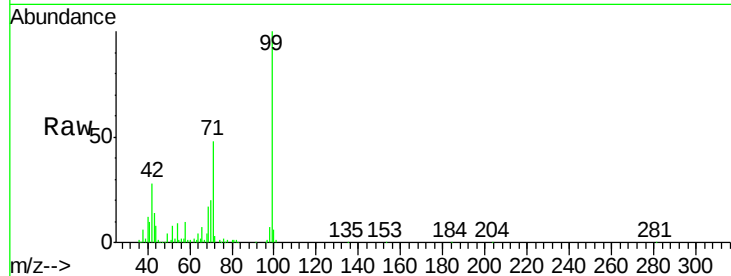
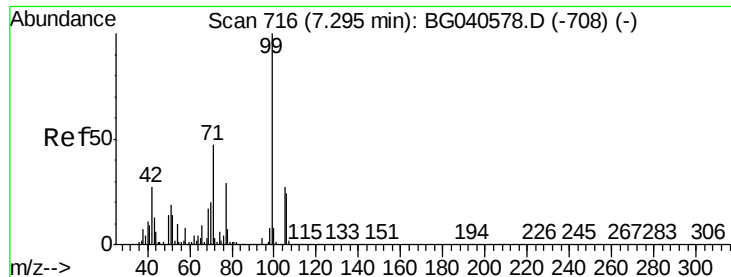


#5

2-Fluorophenol
Concen: 45.839 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040618.D
Acq: 25 Apr 2019 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	86.5	61.4	92.0
63	49.9	37.8	56.6





#7

Phenol-d6

Concen: 27.605 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040618.D

Acq: 25 Apr 2019 19:54

Instrument :

BNA_G

ClientSampled :

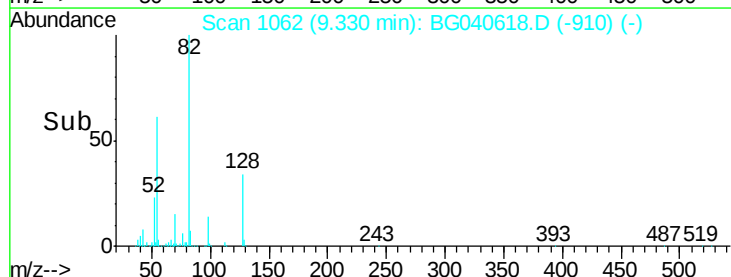
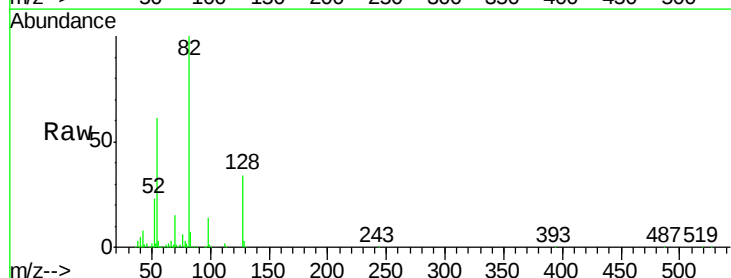
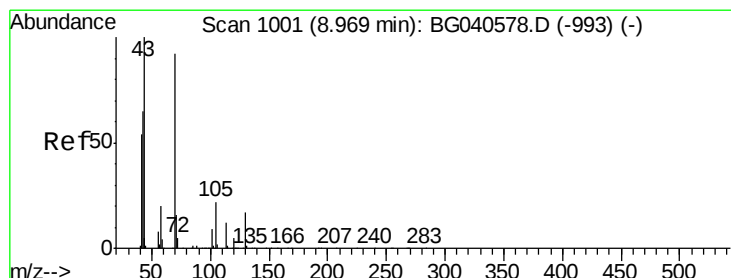
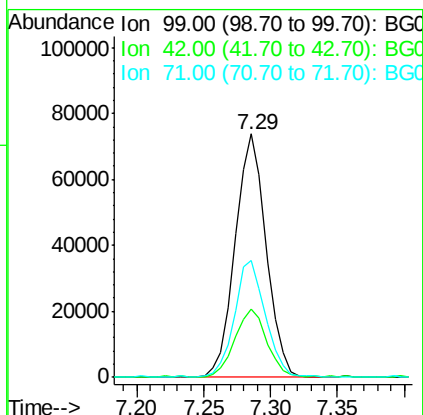
Tot Ion: 99 Resp: 118580

Ion Ratio Lower Upper

99 100

42 28.0 21.8 32.8

71 47.8 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 13.844 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040618.D

Acq: 25 Apr 2019 19:54

Tgt Ion: 70 Resp: 53533

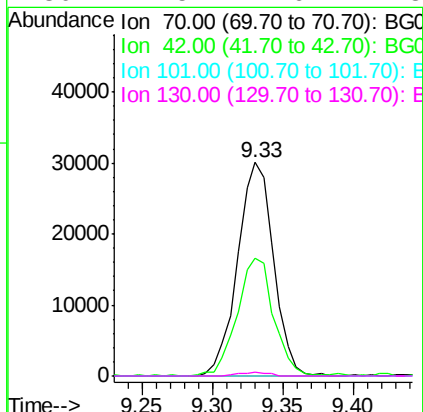
Ion Ratio Lower Upper

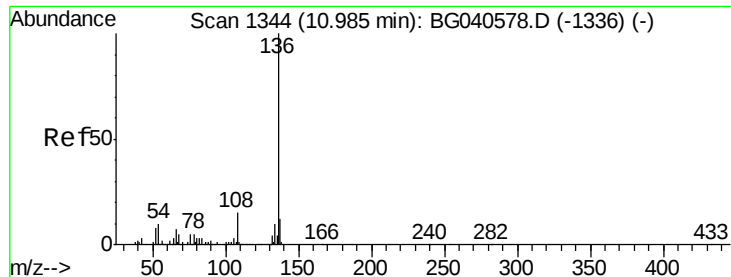
70 100

42 54.9 57.1 85.7#

101 0.0 7.8 11.8#

130 1.5 14.6 21.8#

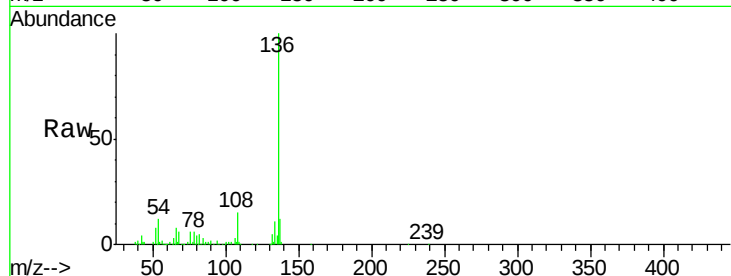




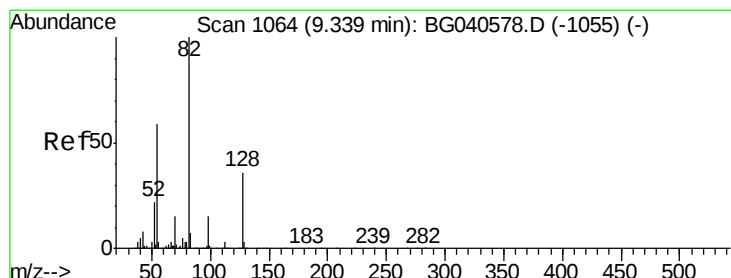
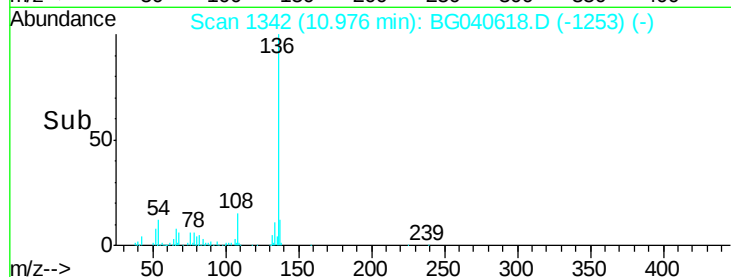
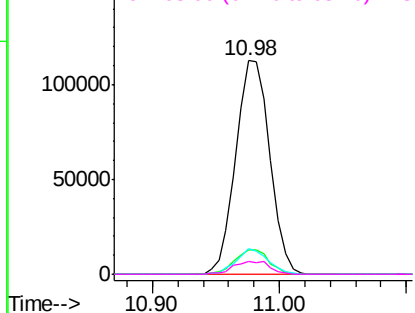
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040618.D
Acq: 25 Apr 2019 19:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	209301
Ion	Ratio	Lower Upper
136	100	
137	11.6	9.7 14.5
54	12.2	8.6 12.8
68	6.1	4.8 7.2

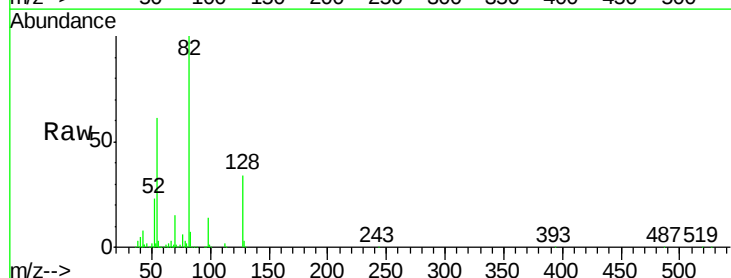


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

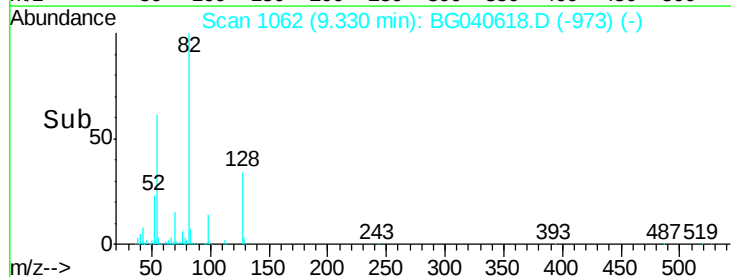
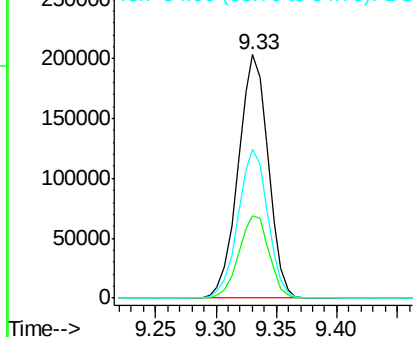


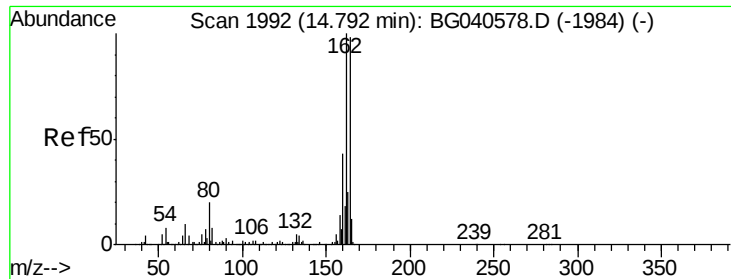
#23
Nitrobenzene-d5
Concen: 77.977 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BG040618.D
Acq: 25 Apr 2019 19:54

Tgt Ion: 82	Resp:	353215
Ion	Ratio	Lower Upper
82	100	
128	33.8	28.9 43.3
54	60.9	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: BG040618.D

Acq: 25 Apr 2019 19:54

Instrument :

BNA_G

ClientSampled :

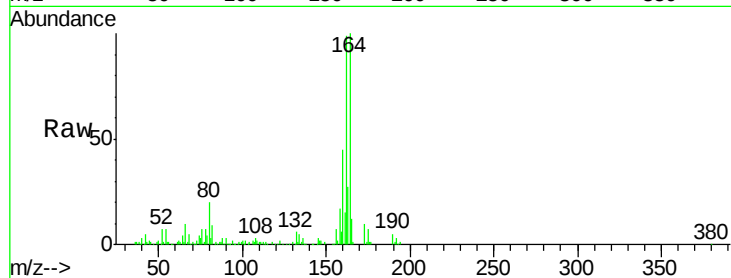
Tot Ion:164 Resp: 154773

Ion Ratio Lower Upper

164 100

162 99.3 81.9 122.9

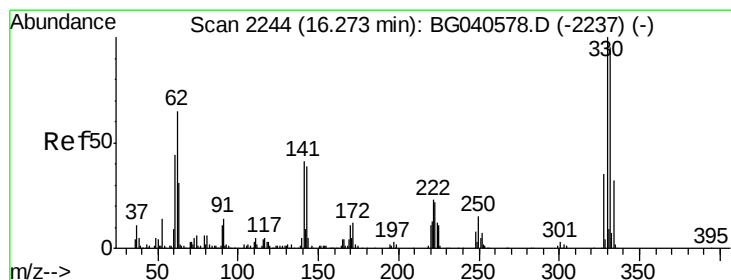
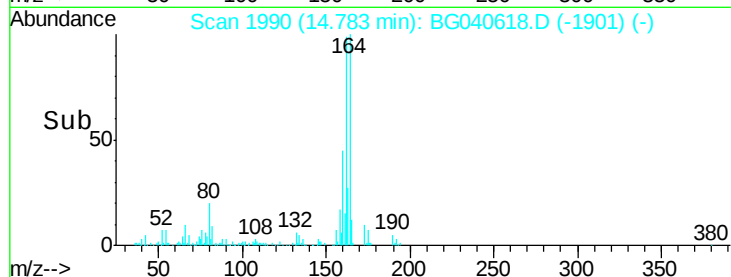
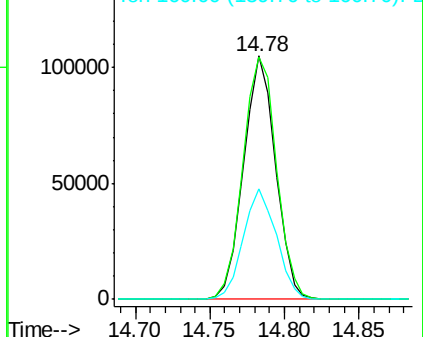
160 45.2 35.4 53.2



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: 119.061 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG040618.D

Acq: 25 Apr 2019 19:54

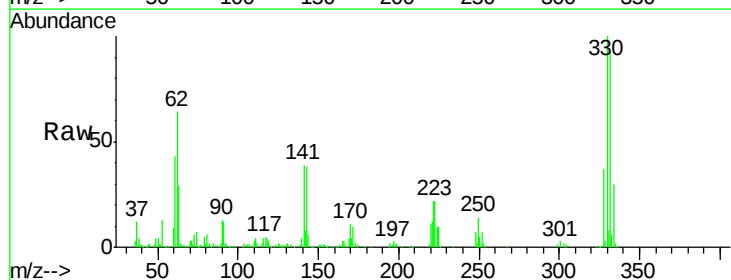
Tgt Ion:330 Resp: 253290

Ion Ratio Lower Upper

330 100

332 95.8 75.9 113.9

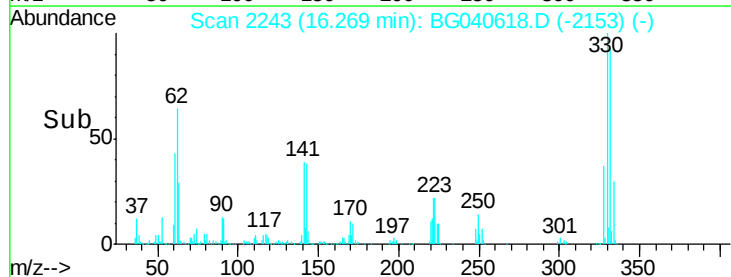
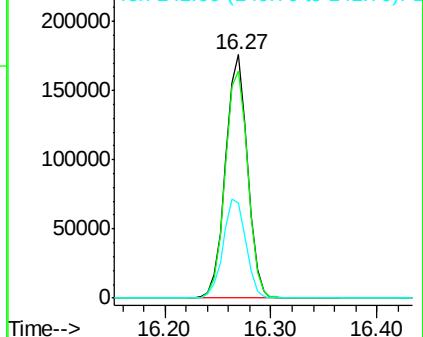
141 42.5 32.4 48.6

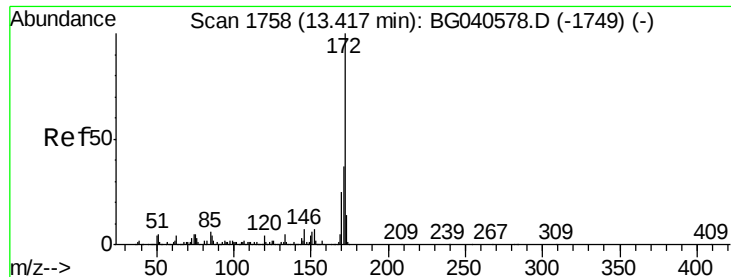


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 72.165 ng

RT: 13.41 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BG040618.D

Acq: 25 Apr 2019 19:54

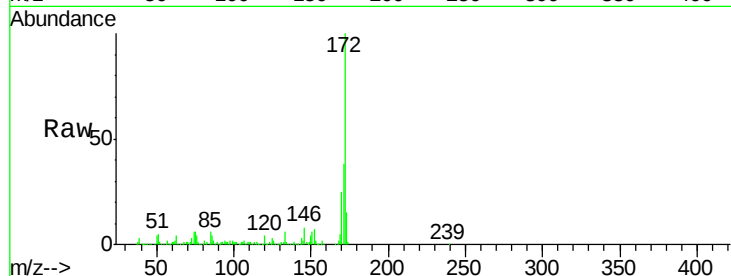
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 773385

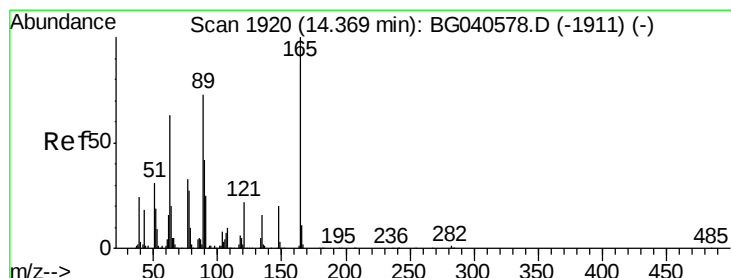
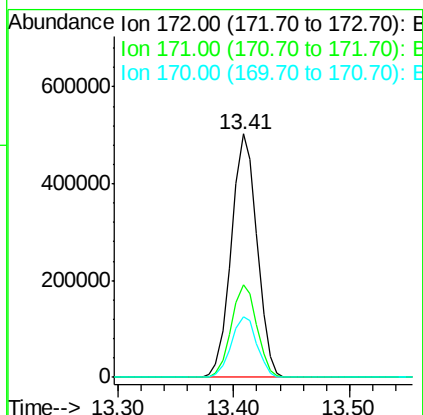
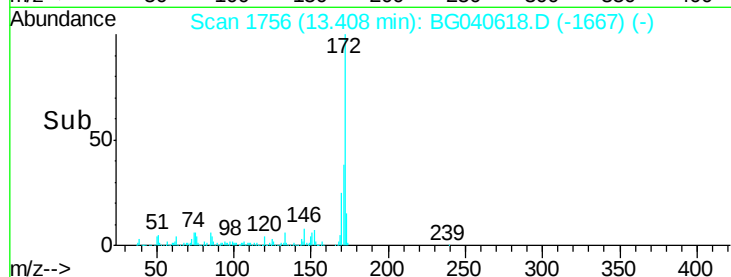
Ion	Ratio	Lower	Upper
172	100		
171	38.3	29.4	44.2
170	24.9	19.9	29.9



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: 8.012 ng

RT: 14.78 min Scan# 1990

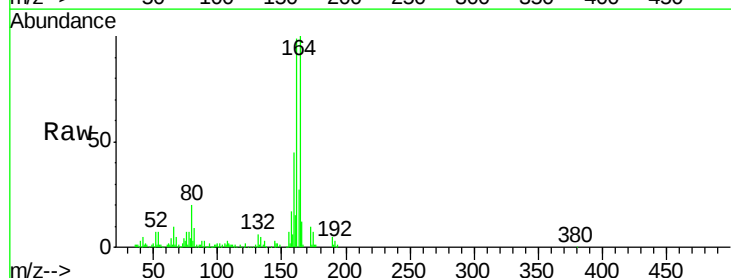
Delta R.T. 0.41 min

Lab File: BG040618.D

Acq: 25 Apr 2019 19:54

Tgt Ion:165 Resp: 20248

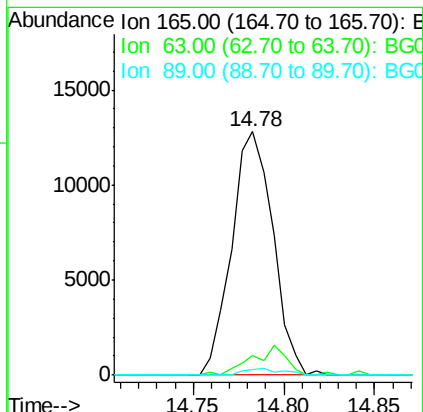
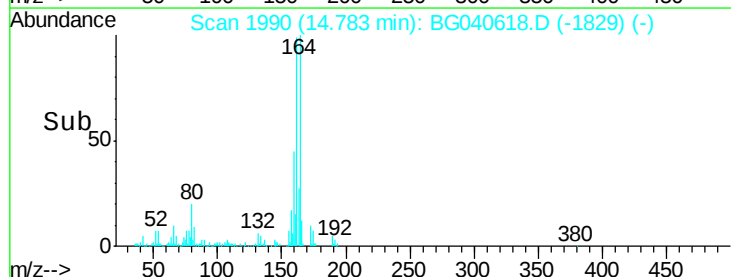
Ion	Ratio	Lower	Upper
165	100		
63	8.1	61.0	91.4#
89	2.3	58.6	87.8#

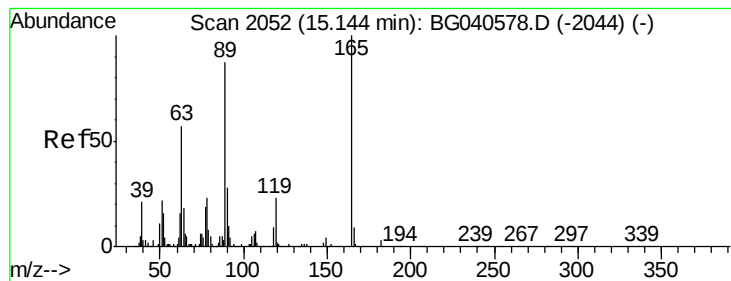


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#57

2,4-Dinitrotoluene

Concen: 5.896 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.36 min

Lab File: BG040618.D

Acq: 25 Apr 2019 19:54

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 20248

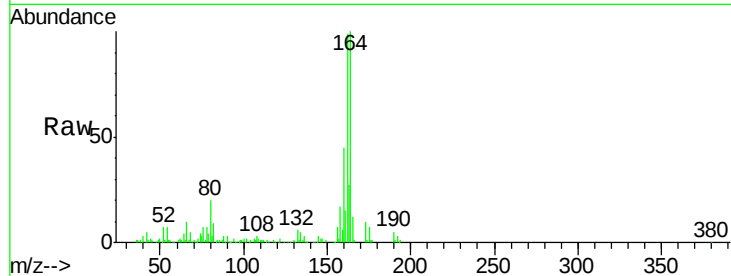
Ion Ratio Lower Upper

165 100

63 8.1 45.8 68.8#

89 2.3 69.4 104.2#

182 0.0 2.2 3.4#

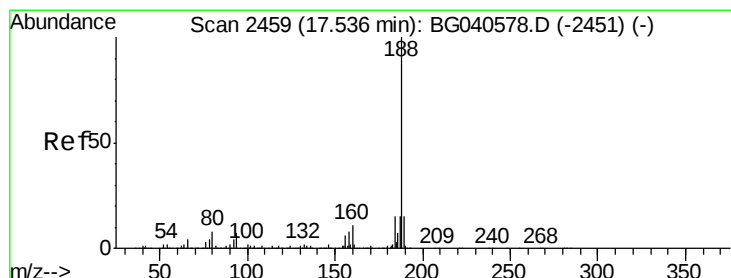
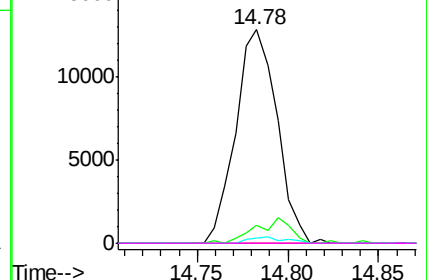
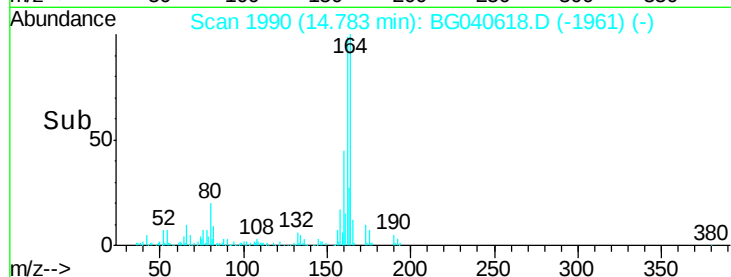


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG040618.D

Acq: 25 Apr 2019 19:54

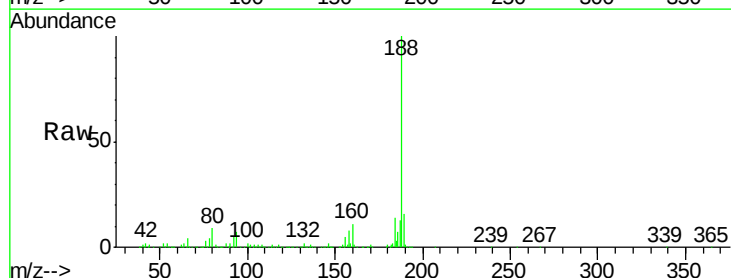
Tgt Ion:188 Resp: 423655

Ion Ratio Lower Upper

188 100

94 7.3 5.6 8.4

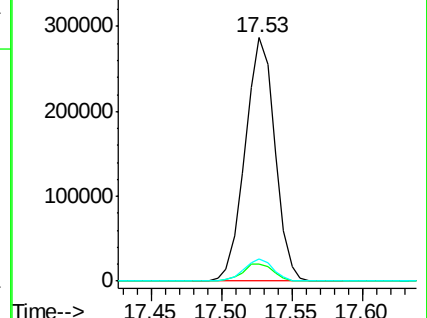
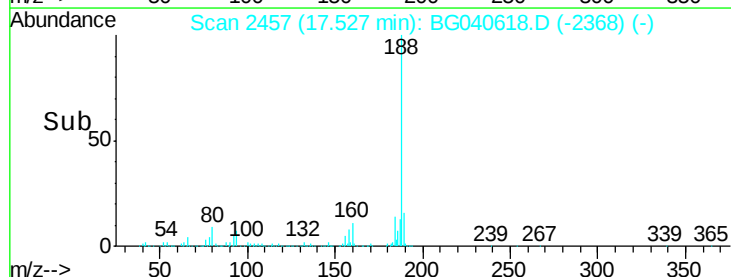
80 9.1 6.4 9.6

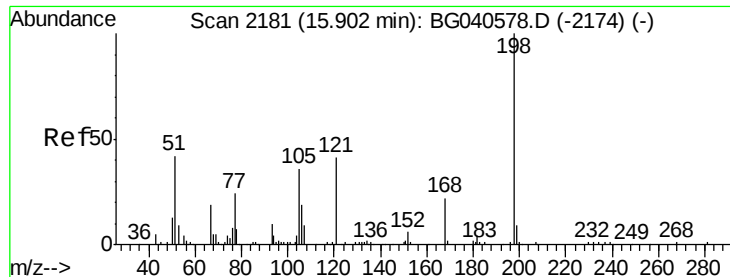


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.124 ng

RT: 15.56 min Scan# 2123

Delta R.T. -0.34 min

Lab File: BG040618.D

Acq: 25 Apr 2019 19:54

Instrument :

BNA_G

ClientSampled :

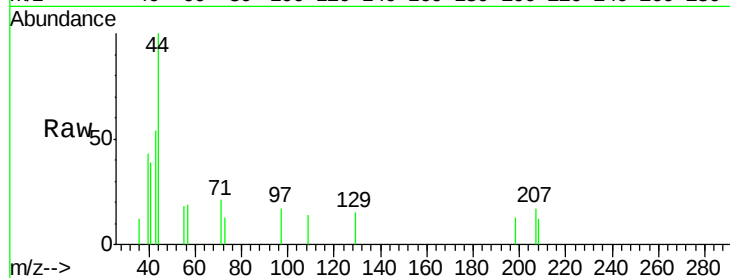
Tot Ion:198 Resp: 57

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

105 0.0 21.2 61.2#

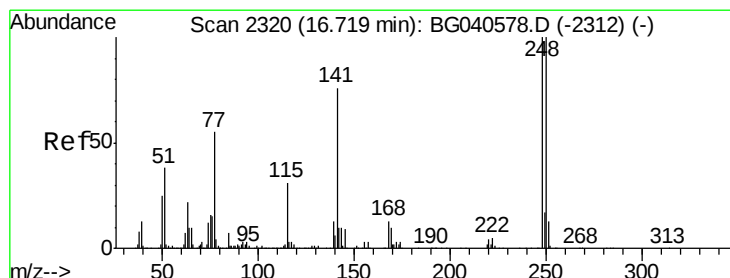
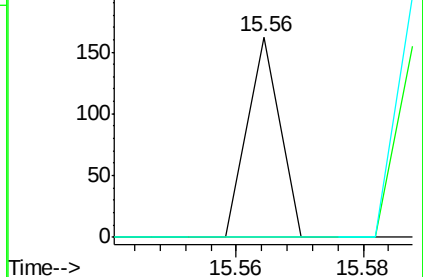
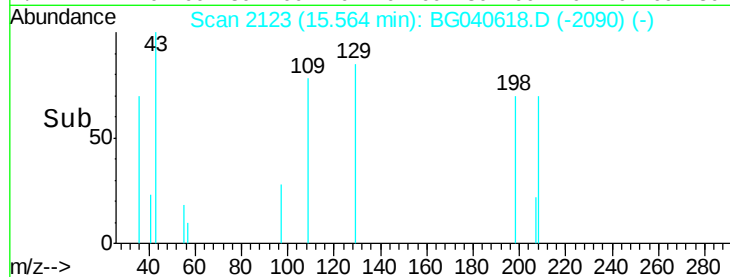


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): B

Ion 105.00 (104.70 to 105.70): E

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.630 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040618.D

Acq: 25 Apr 2019 19:54

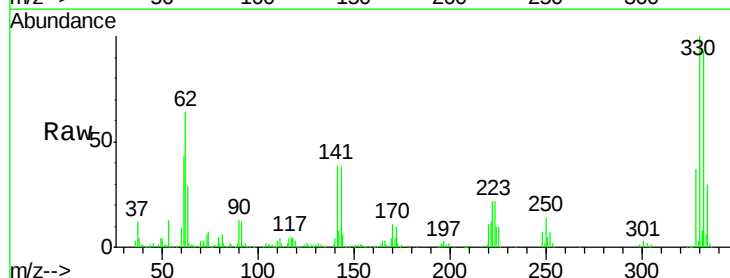
Tgt Ion:248 Resp: 19162

Ion Ratio Lower Upper

248 100

250 265.7 79.8 119.6#

141 548.7 60.8 91.2#

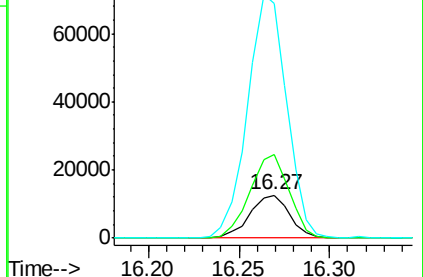
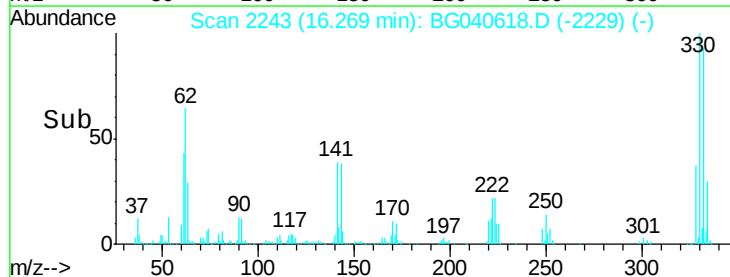


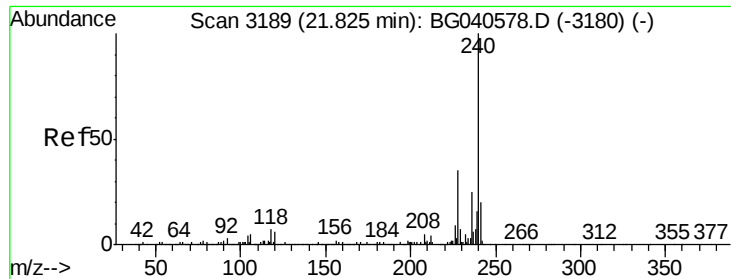
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->

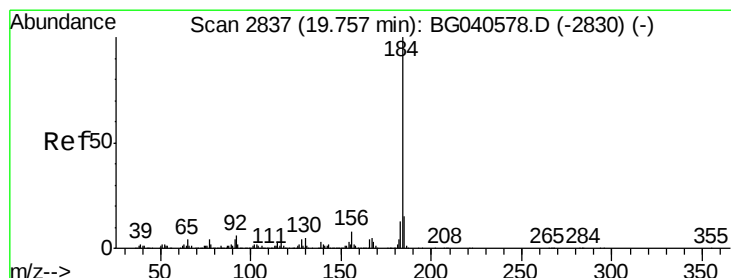
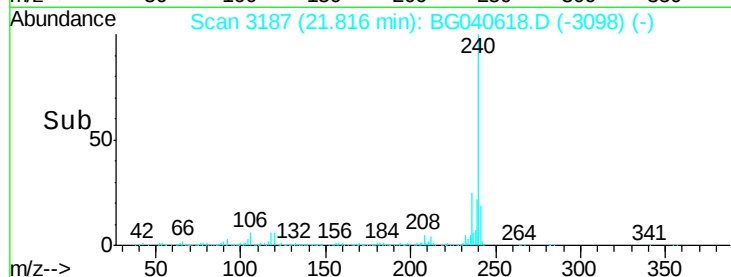
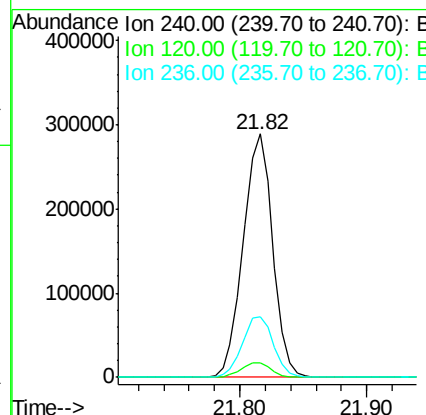
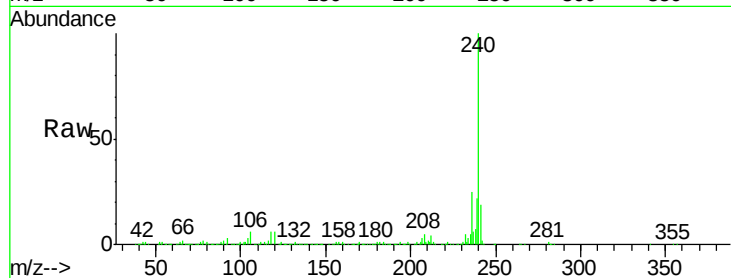




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3187
Delta R.T. -0.01 min
Lab File: BG040618.D
Acq: 25 Apr 2019 19:54

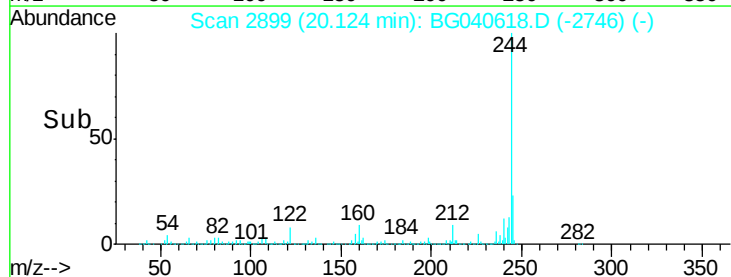
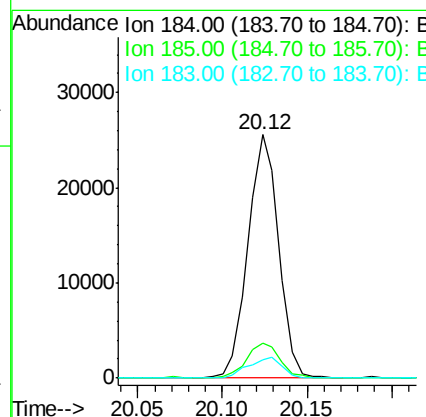
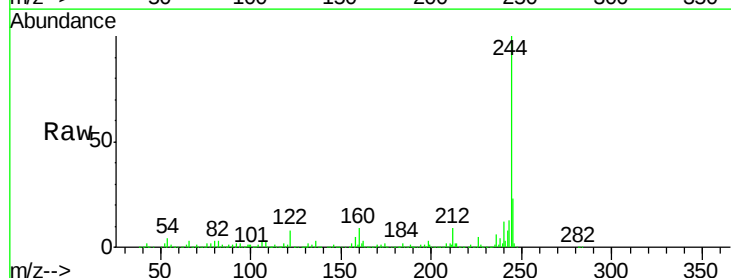
Instrument :
BNA_G
ClientSampleId :

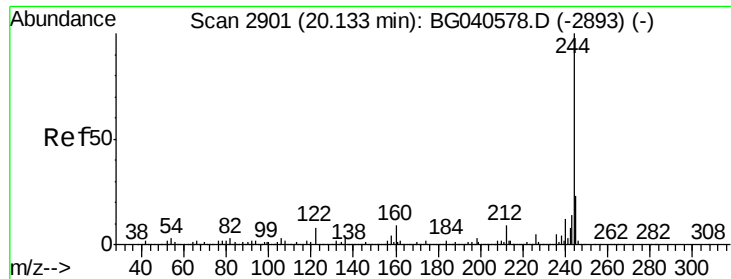
Tot Ion:240 Resp: 464721
Ion Ratio Lower Upper
240 100
120 6.0 5.0 7.6
236 25.1 20.3 30.5



#77
Benzidine
Concen: 2.547 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.37 min
Lab File: BG040618.D
Acq: 25 Apr 2019 19:54

Tgt Ion:184 Resp: 32414
Ion Ratio Lower Upper
184 100
185 14.2 11.8 17.8
183 7.5 10.2 15.2#





#79

Terphenyl-d14

Concen: 76.585 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG040618.D

Acq: 25 Apr 2019 19:54

Instrument :

BNA_G

ClientSampleId :

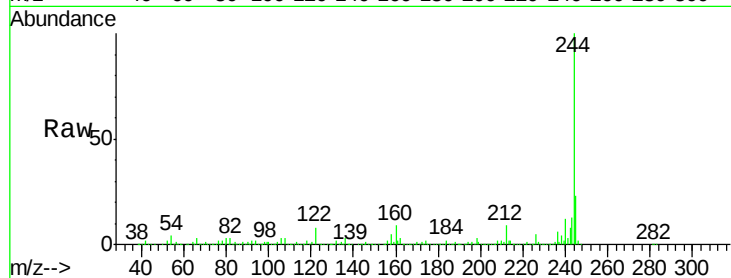
Tot Ion:244 Resp: 1606489

Ion Ratio Lower Upper

244 100

212 9.4 7.2 10.8

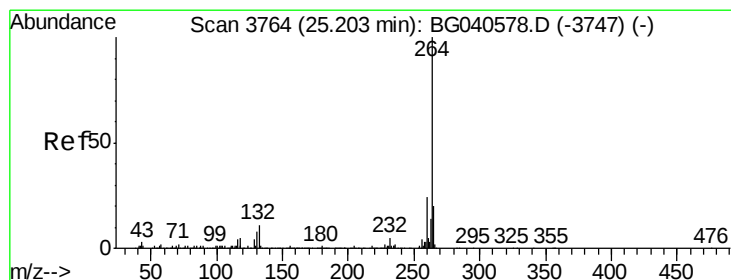
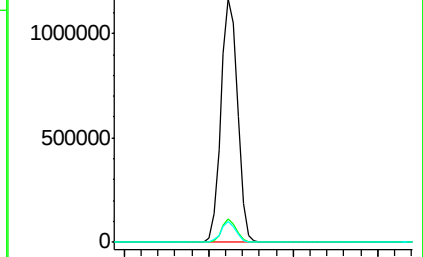
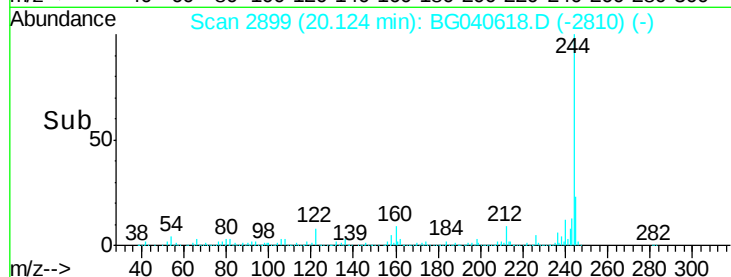
122 8.5 6.6 10.0



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: 25.19 min Scan# 3761

Delta R.T. -0.01 min

Lab File: BG040618.D

Acq: 25 Apr 2019 19:54

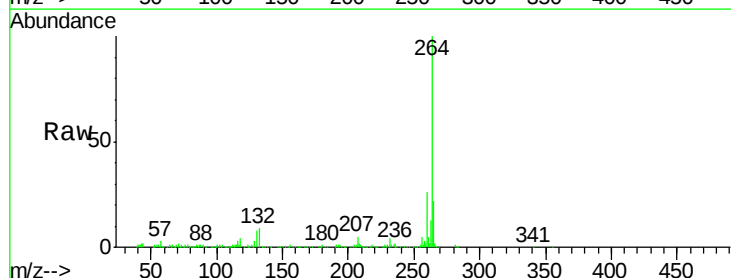
Tgt Ion:264 Resp: 479695

Ion Ratio Lower Upper

264 100

260 25.6 19.2 28.8

265 22.1 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

