

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030719\
 Data File : BG039814.D
 Acq On : 7 Mar 2019 22:43
 Operator : JU/SJ
 Sample : K1760-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z2-9

Quant Time: Mar 07 23:55:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

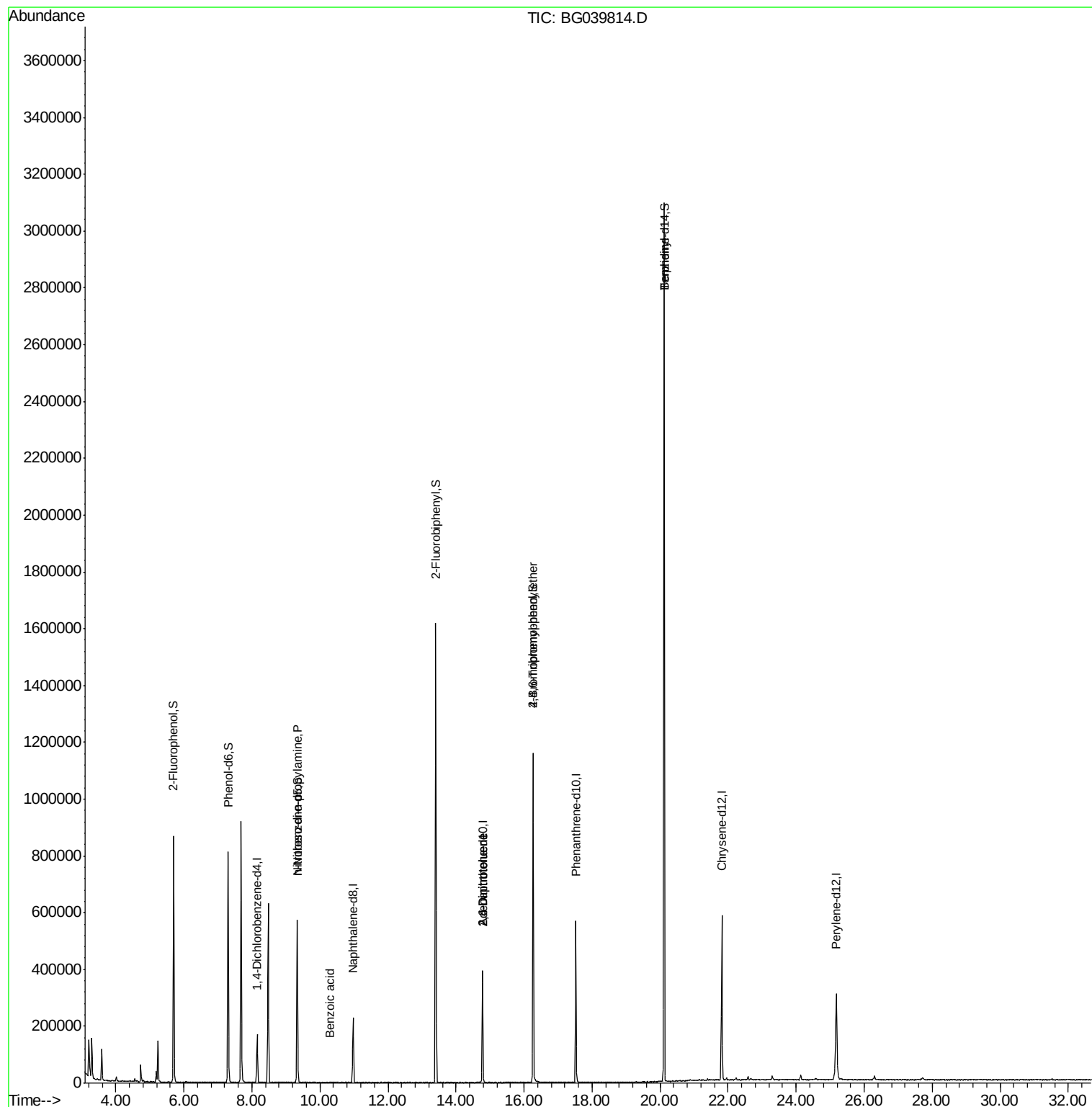
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	45720	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	196653	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	138928	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	348855	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	365572	20.00	ng	-0.02
87) Perylene-d12	25.18	264	352935	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	352011	131.35	ng	-0.01
7) Phenol-d6	7.30	99	467552	117.01	ng	-0.01
23) Nitrobenzene-d5	9.33	82	345378	94.99	ng	-0.02
42) 2,4,6-Tribromophenol	16.27	330	205805	127.09	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	855141	87.64	ng	-0.01
79) Terphenyl-d14	20.12	244	1443288	86.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	43738	15.207	ng	# 72
32) Benzoic acid	10.30	122	123	6.652	ng	# 1
51) 2,6-Dinitrotoluene	14.78	165	17734	7.201	ng	# 23
57) 2,4-Dinitrotoluene	14.78	165	17734	5.125	ng	# 18
67) 4-Bromophenyl-phenylether	16.27	248	16653	4.265	ng	# 1
77) Benzidine	20.12	184	26394	2.275	ng	# 94

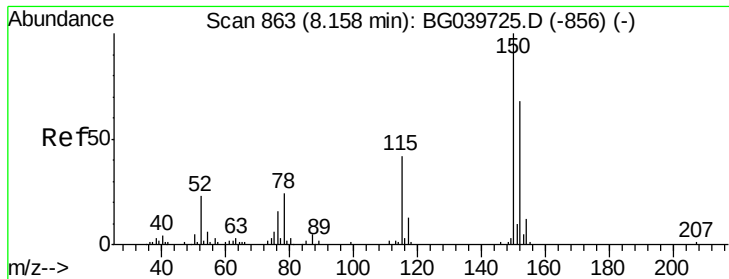
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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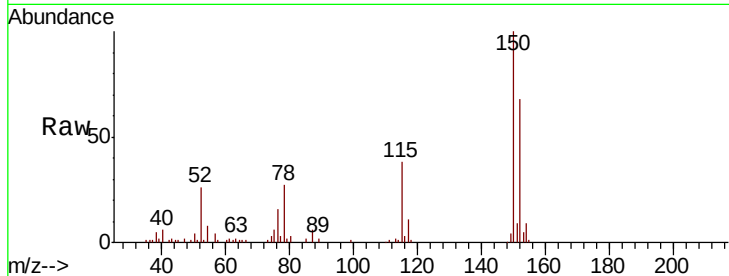


#1

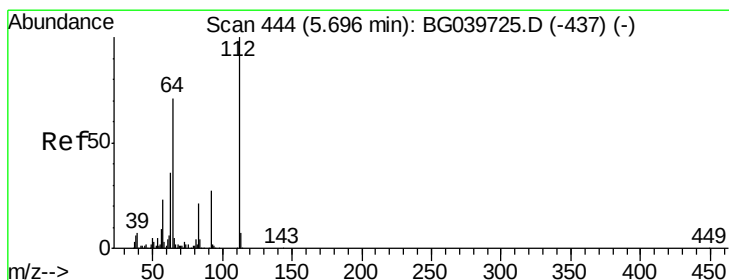
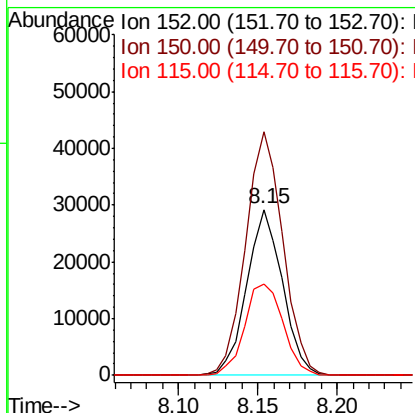
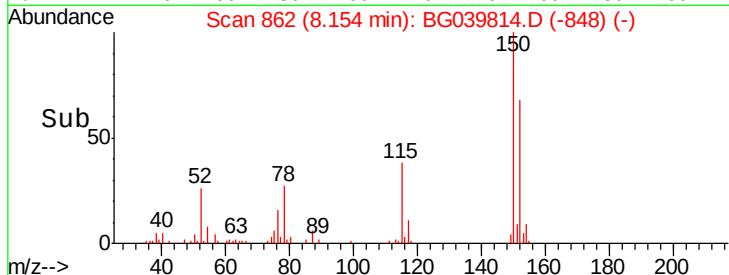
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.02 min
Lab File: BG039814.D
Acq: 7 Mar 2019 22:43

Instrument :
BNA_F
ClientSampleId :
Z2-9

Tgt Ion:152 Resp: 45720
Ion Ratio Lower Upper
152 100
150 146.9 123.7 185.5
115 55.3 45.9 68.9



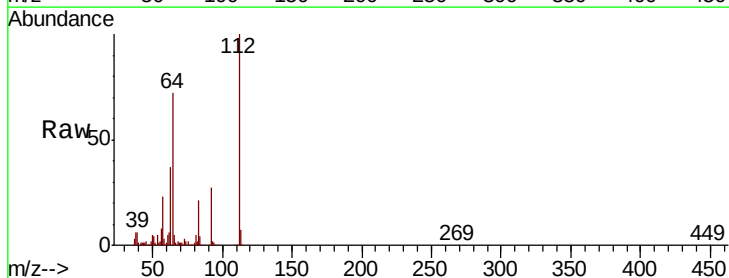
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



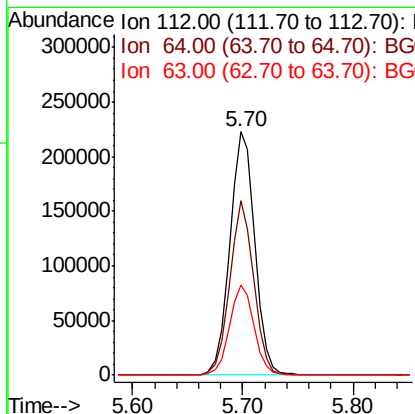
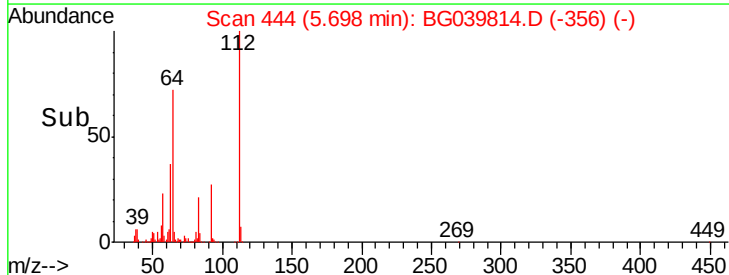
#5

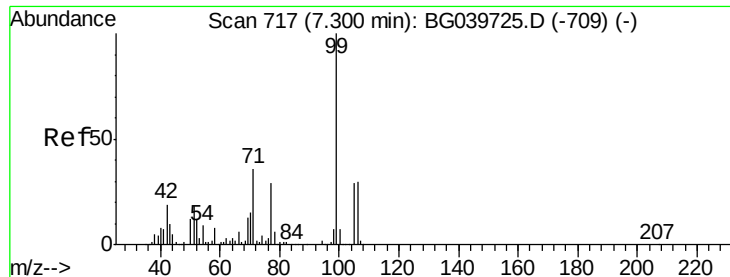
2-Fluorophenol
Concen: 131.350 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039814.D
Acq: 7 Mar 2019 22:43

Tgt Ion:112 Resp: 352011
Ion Ratio Lower Upper
112 100
64 71.6 57.8 86.8
63 36.8 29.8 44.6



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: 117.007 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039814.D

Acq: 7 Mar 2019 22:43

Instrument :

BNA_F

ClientSampleId :

Z2-9

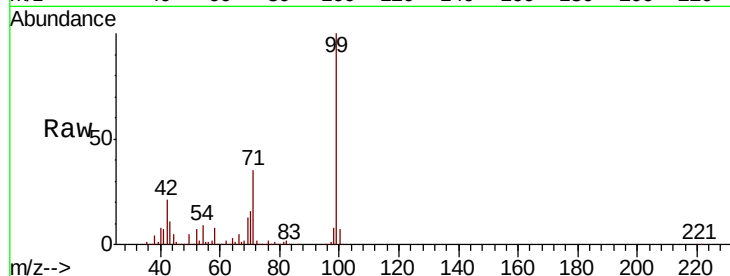
Tgt Ion: 99 Resp: 467552

Ion Ratio Lower Upper

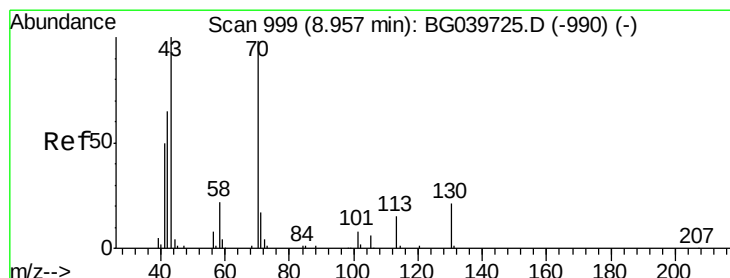
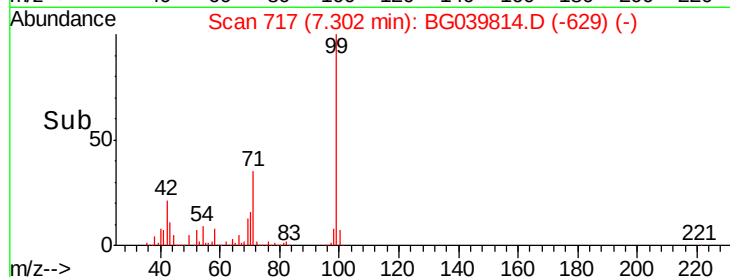
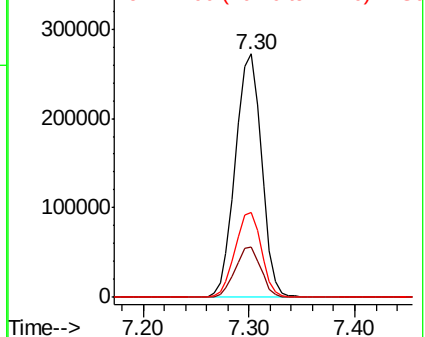
99 100

42 20.7 18.2 27.2

71 34.9 28.0 42.0



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: 15.207 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.37 min

Lab File: BG039814.D

Acq: 7 Mar 2019 22:43

Tgt Ion: 70 Resp: 43738

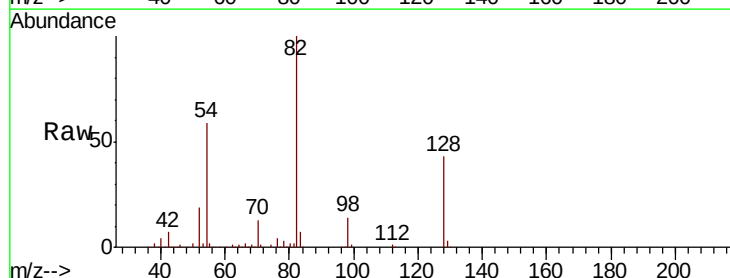
Ion Ratio Lower Upper

70 100

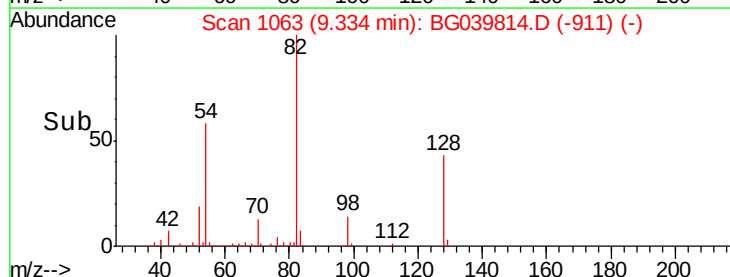
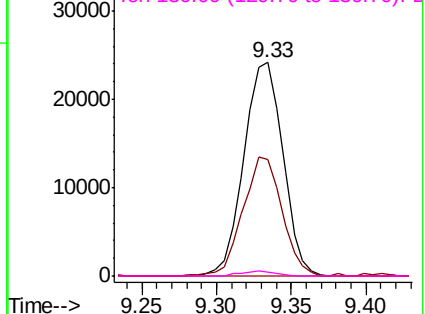
42 54.5 60.4 90.6#

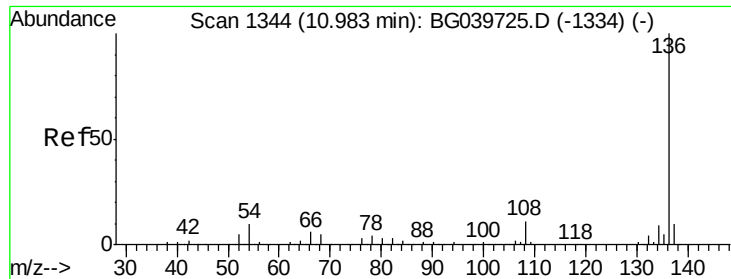
101 0.0 7.5 11.3#

130 2.1 16.9 25.3#



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

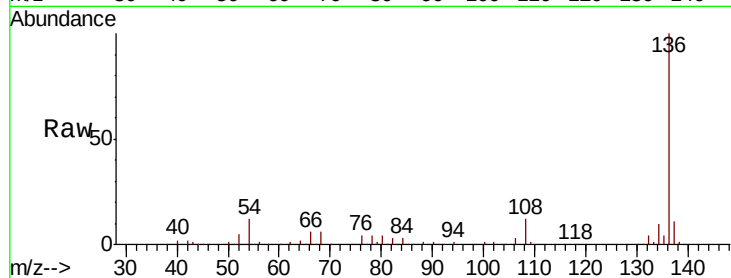




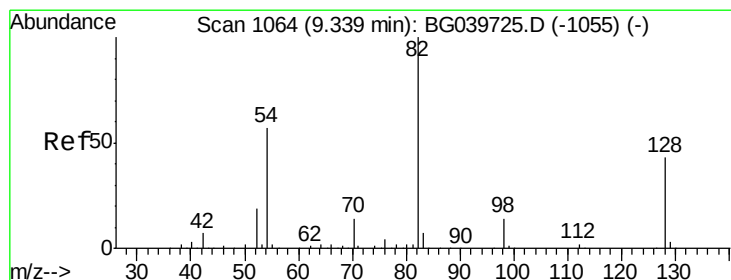
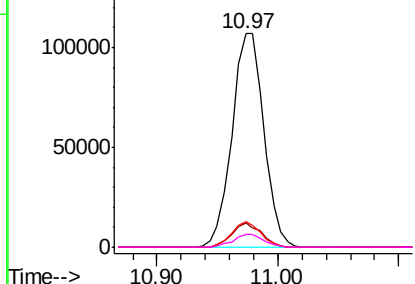
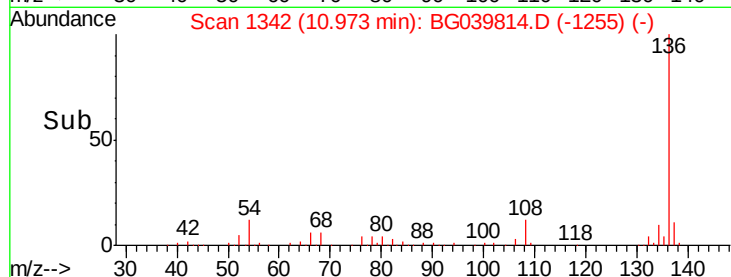
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG039814.D
Acq: 7 Mar 2019 22:43

Instrument :
BNA_F
ClientSampleId :
Z2-9

Tgt Ion:	136	Resp:	196653
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	12.0	9.4	14.2
68	6.3	4.2	6.4

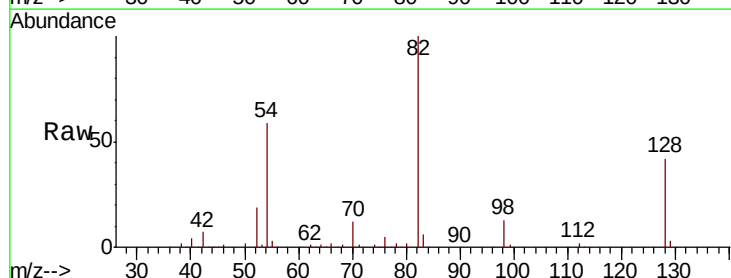


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

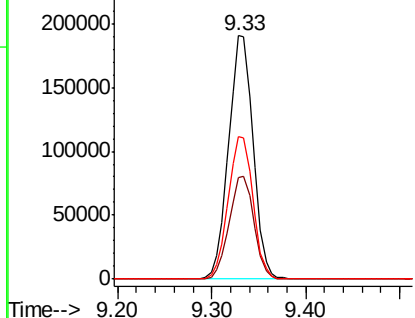
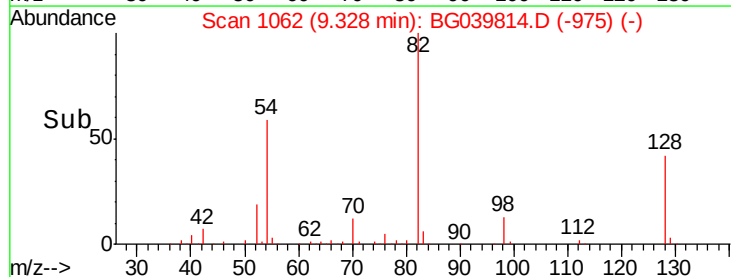


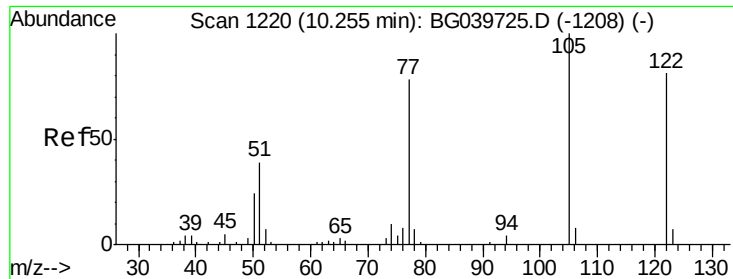
#23
Nitrobenzene-d5
Concen: 94.987 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039814.D
Acq: 7 Mar 2019 22:43

Tgt Ion:	82	Resp:	345378
Ion	Ratio	Lower	Upper
82	100		
128	41.7	31.3	46.9
54	58.6	50.9	76.3



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





#32

Benzoic acid

Concen: 6.652 ng

RT: 10.30 min Scan# 1227

Delta R.T. 0.04 min

Lab File: BG039814.D

Acq: 7 Mar 2019 22:43

Instrument :

BNA_F

ClientSampleId :

Z2-9

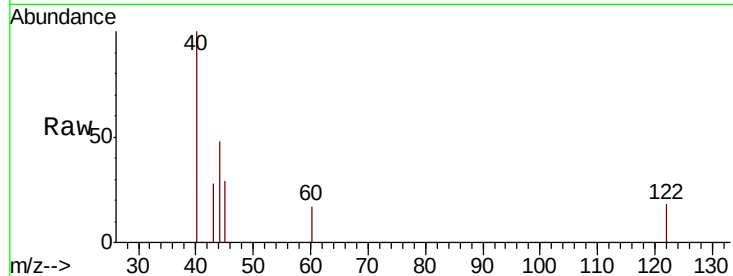
Tgt Ion:122 Resp: 123

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

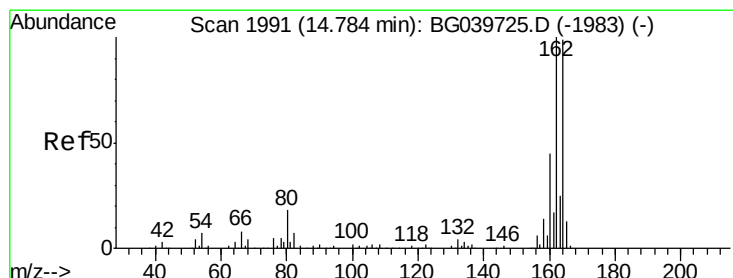
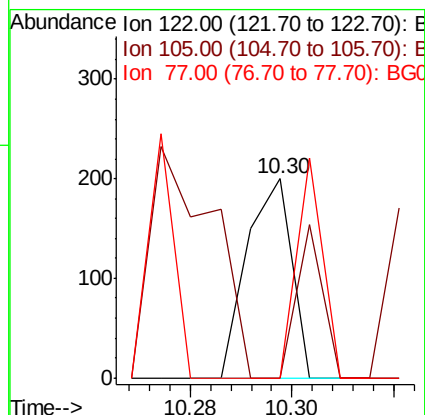
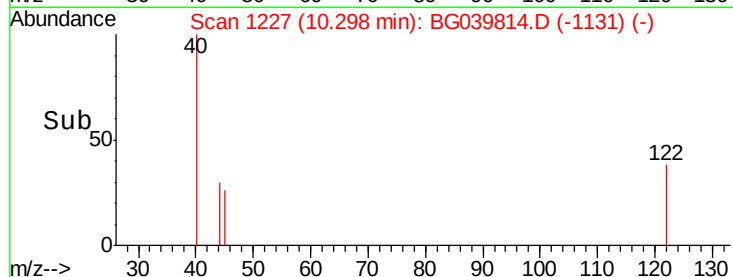
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG039814.D

Acq: 7 Mar 2019 22:43

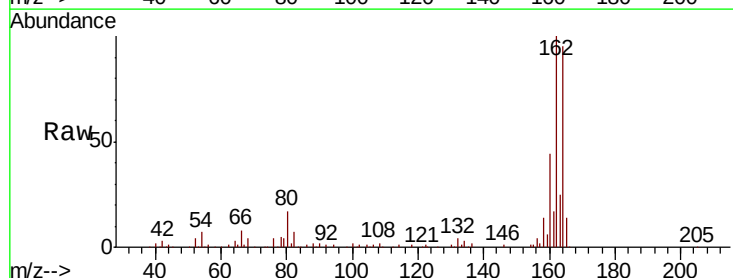
Tgt Ion:164 Resp: 138928

Ion Ratio Lower Upper

164 100

162 105.8 81.6 122.4

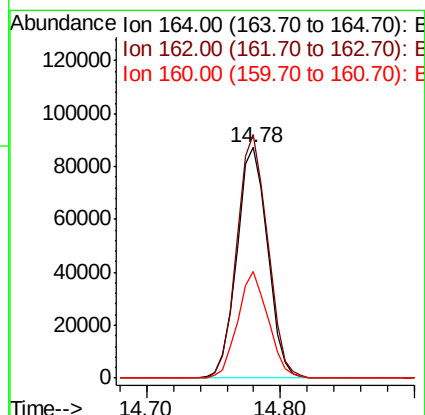
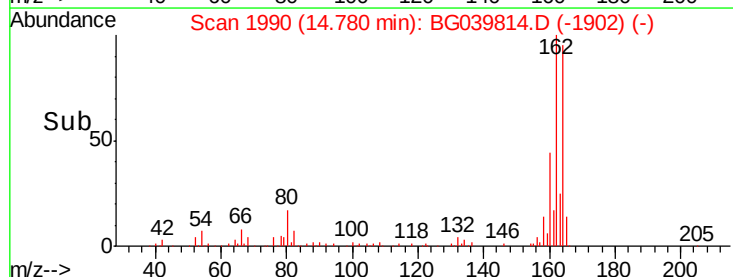
160 46.2 34.2 51.2

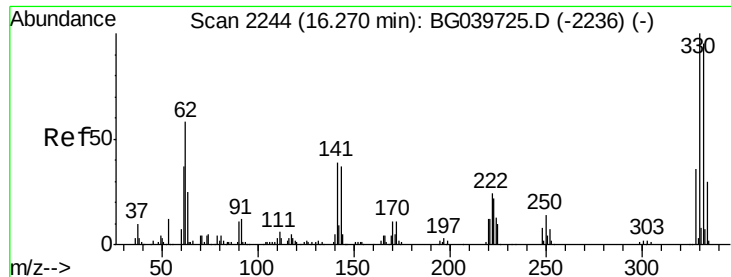


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

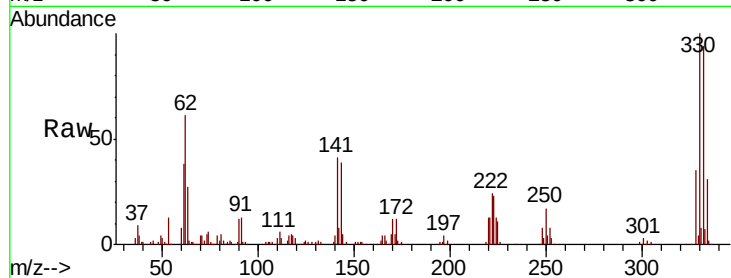




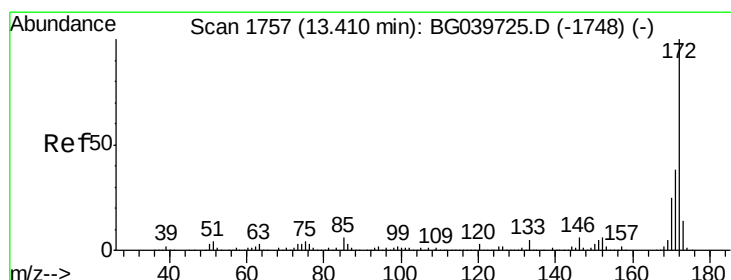
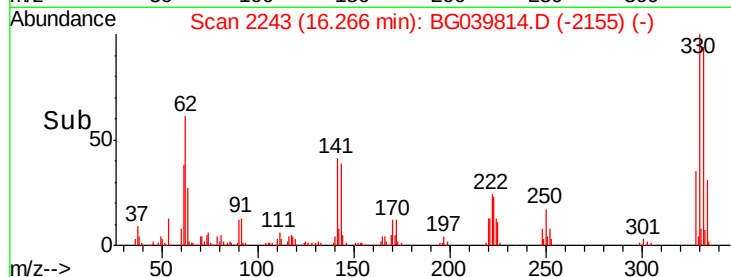
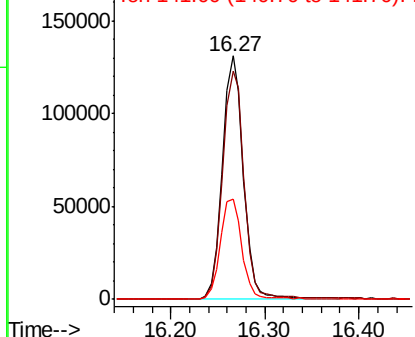
#42
 2,4,6-Tribromophenol
 Concen: 127.094 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BG039814.D
 Acq: 7 Mar 2019 22:43

Instrument :
 BNA_F
 ClientSampleId :
 Z2-9

Tgt Ion:330 Resp: 205805
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.7 113.5
 141 42.5 35.6 53.4

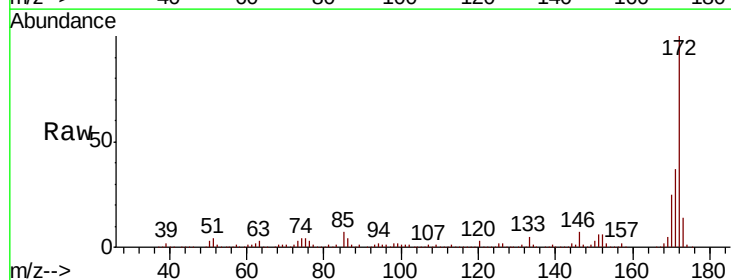


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

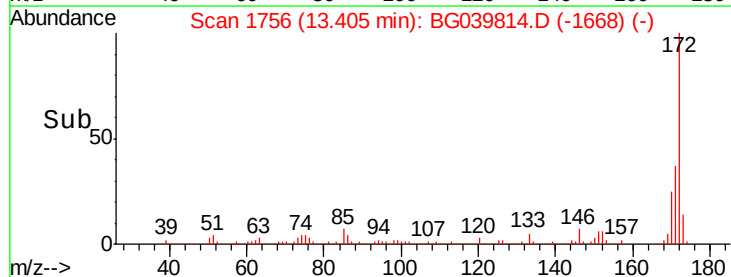
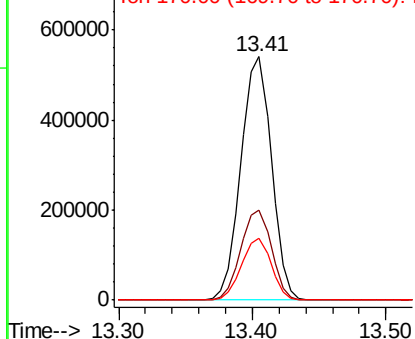


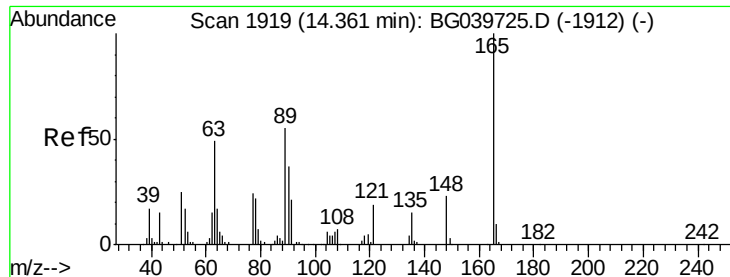
#45
 2-Fluorobiphenyl
 Concen: 87.641 ng
 RT: 13.41 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG039814.D
 Acq: 7 Mar 2019 22:43

Tgt Ion:172 Resp: 855141
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.8 46.2
 170 25.4 20.2 30.4



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

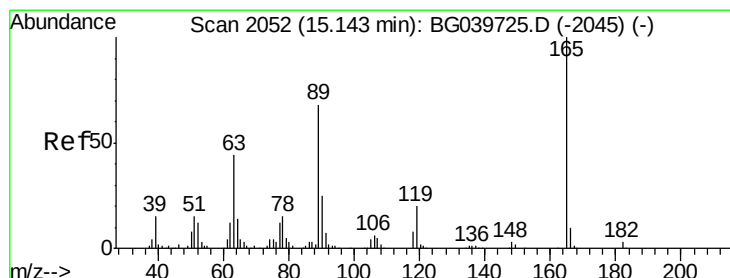
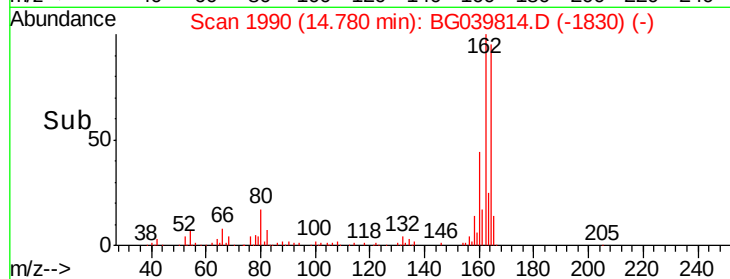
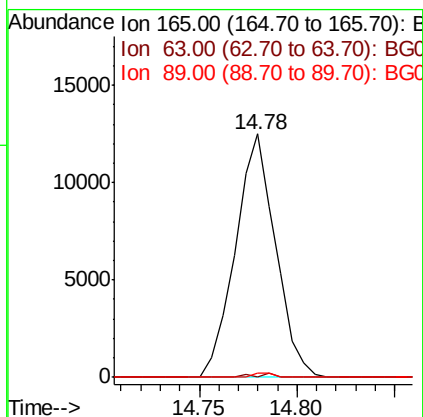
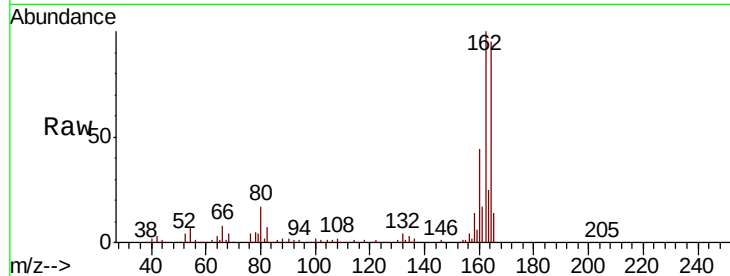




#51
 2,6-Dinitrotoluene
 Concen: 7.201 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG039814.D
 Acq: 7 Mar 2019 22:43

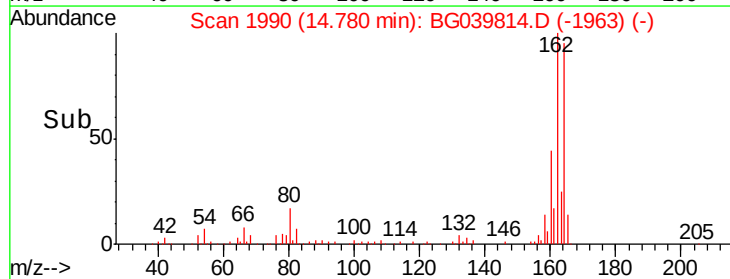
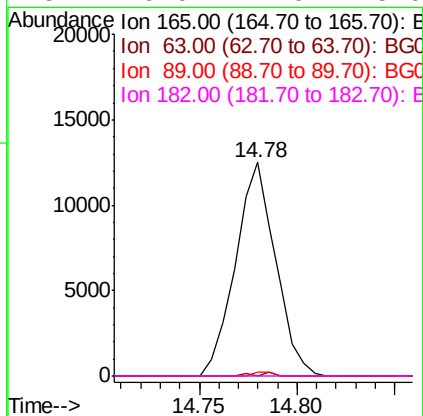
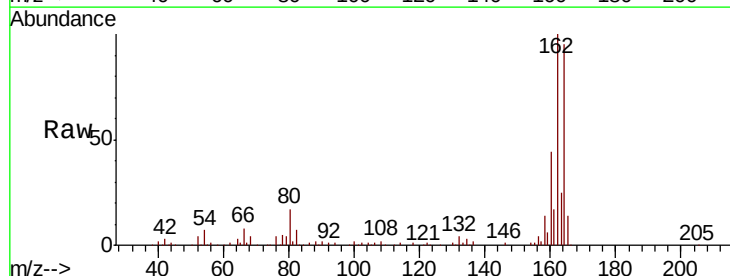
Instrument :
 BNA_F
 ClientSampleId :
 Z2-9

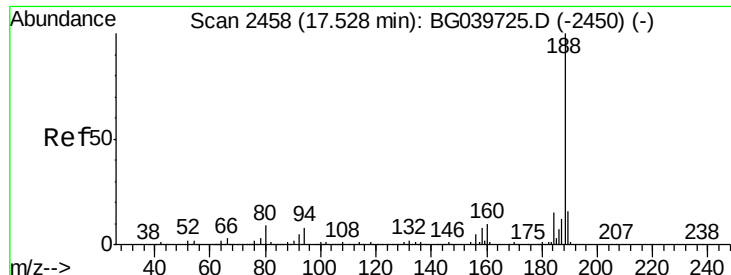
Tgt Ion:165 Resp: 17734
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 1.6 45.8 68.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.125 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.37 min
 Lab File: BG039814.D
 Acq: 7 Mar 2019 22:43

Tgt Ion:165 Resp: 17734
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.0 61.6#
 89 1.6 64.6 96.8#
 182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG039814.D

Acq: 7 Mar 2019 22:43

Instrument :

BNA_F

ClientSampleId :

Z2-9

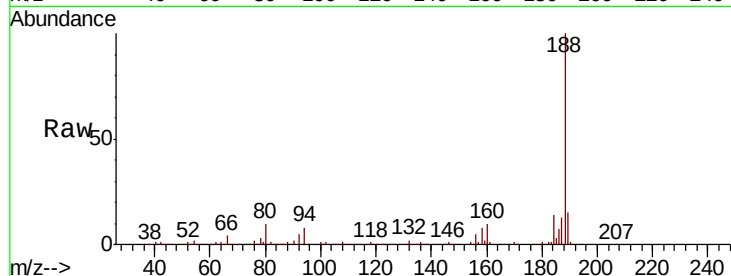
Tgt Ion:188 Resp: 348855

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

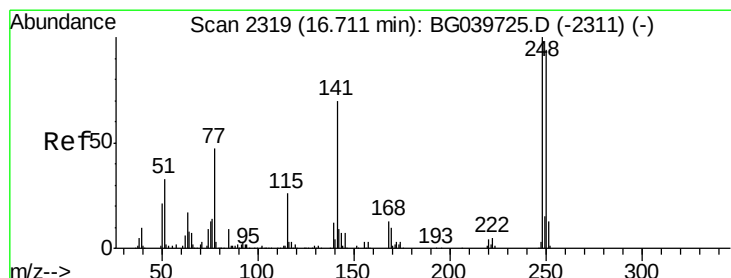
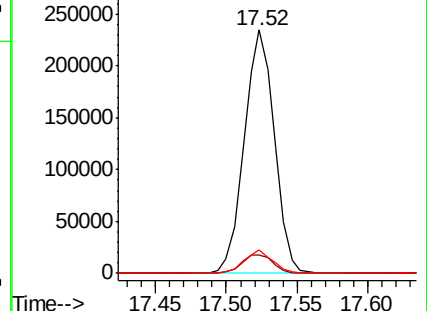
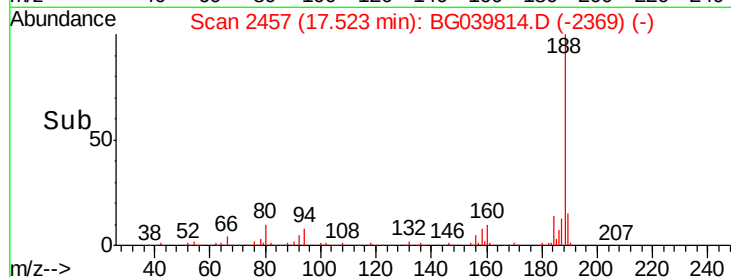
80 9.6 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.265 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG039814.D

Acq: 7 Mar 2019 22:43

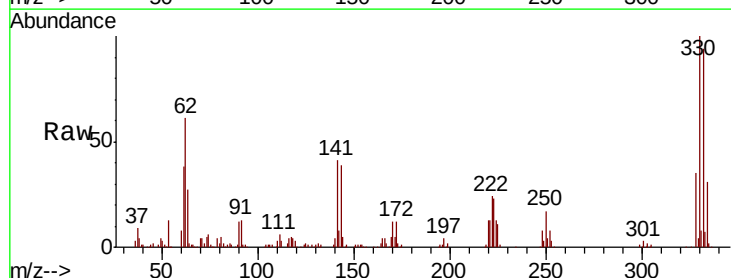
Tgt Ion:248 Resp: 16653

Ion Ratio Lower Upper

248 100

250 204.1 77.6 116.4#

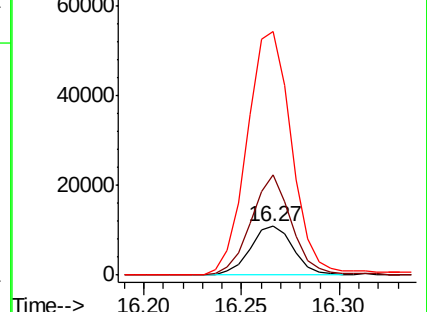
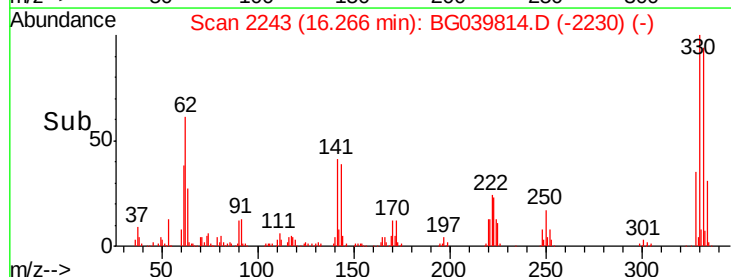
141 498.2 63.9 95.9#

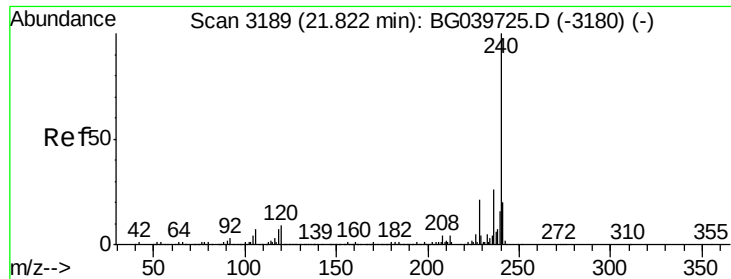


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

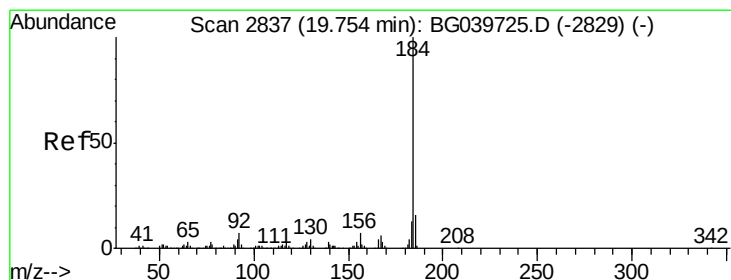
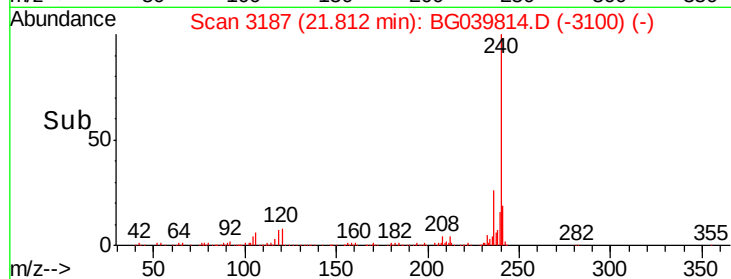
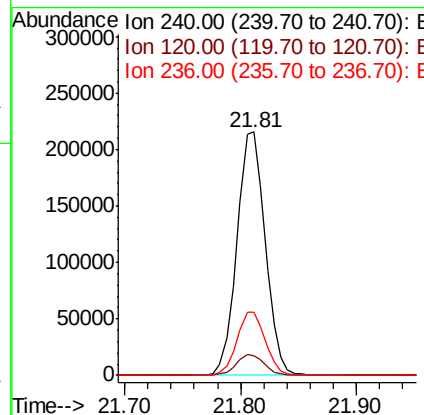
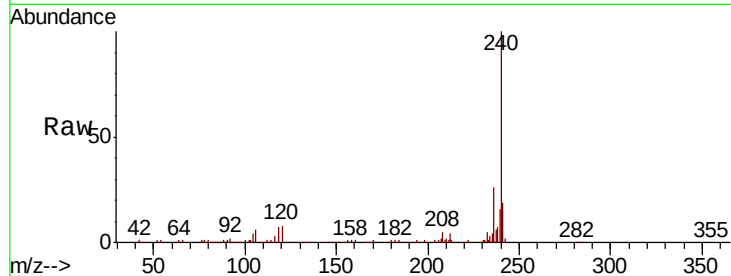




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.02 min
Lab File: BG039814.D
Acq: 7 Mar 2019 22:43

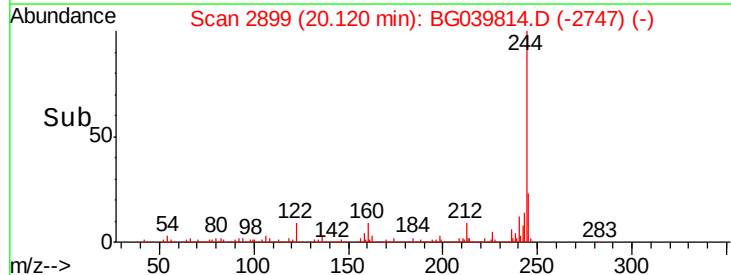
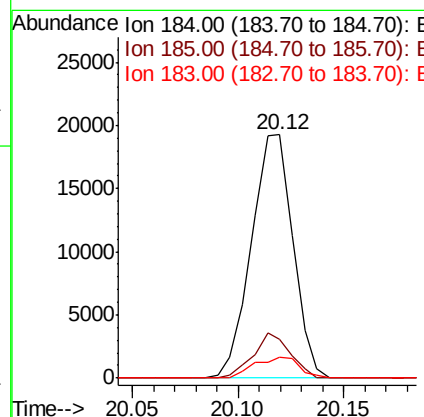
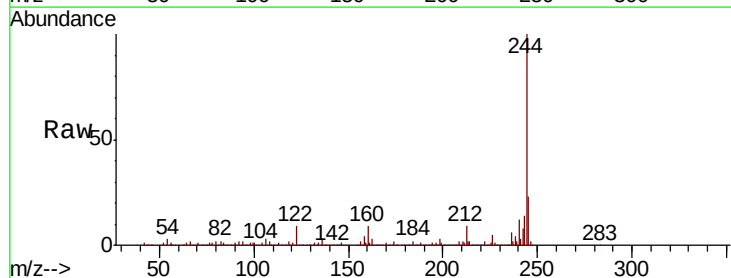
Instrument :
BNA_F
ClientSampleId :
Z2-9

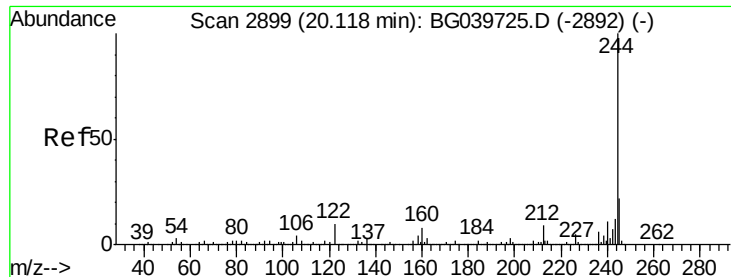
Tgt Ion:240 Resp: 365572
Ion Ratio Lower Upper
240 100
120 8.3 7.0 10.6
236 25.8 21.0 31.4



#77
Benzidine
Concen: 2.275 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.37 min
Lab File: BG039814.D
Acq: 7 Mar 2019 22:43

Tgt Ion:184 Resp: 26394
Ion Ratio Lower Upper
184 100
185 15.8 12.2 18.2
183 8.8 10.6 15.8#





#79

Terphenyl-d14

Concen: 86.928 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.00 min

Lab File: BG039814.D

Acq: 7 Mar 2019 22:43

Instrument :

BNA_F

ClientSampled :

Z2-9

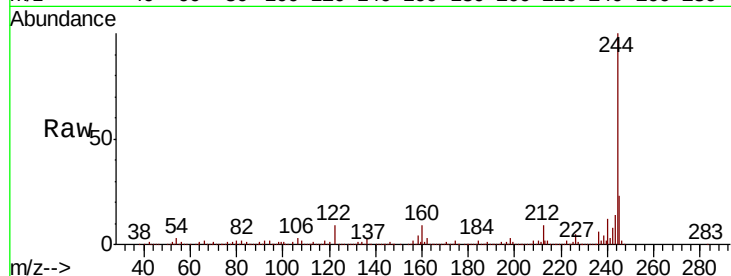
Tgt Ion:244 Resp: 1443288

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

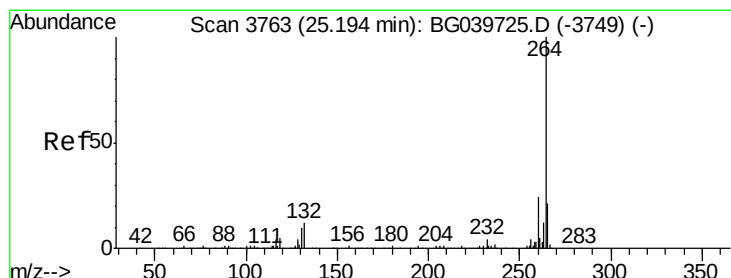
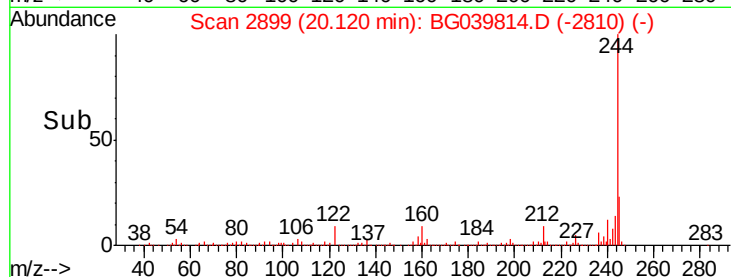
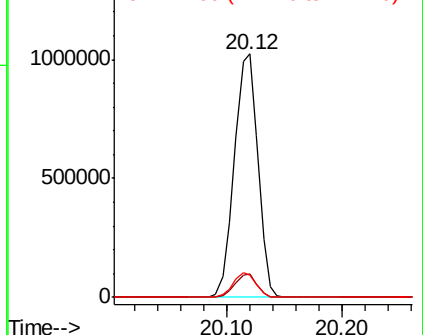
122 9.4 8.4 12.6



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: 25.18 min Scan# 3760

Delta R.T. -0.02 min

Lab File: BG039814.D

Acq: 7 Mar 2019 22:43

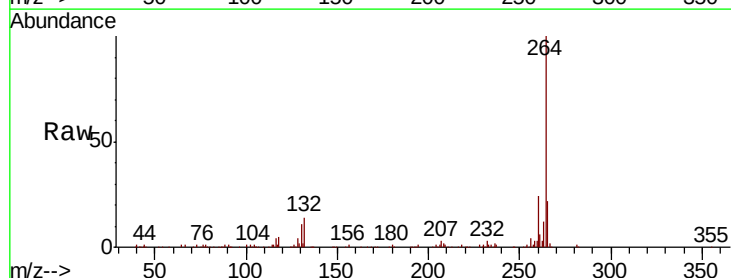
Tgt Ion:264 Resp: 352935

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.4

265 21.9 18.5 27.7



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

