

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030719\
 Data File : BG039813.D
 Acq On : 7 Mar 2019 22:04
 Operator : JU/SJ
 Sample : K1760-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z2-8

Quant Time: Mar 07 23:55:13 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

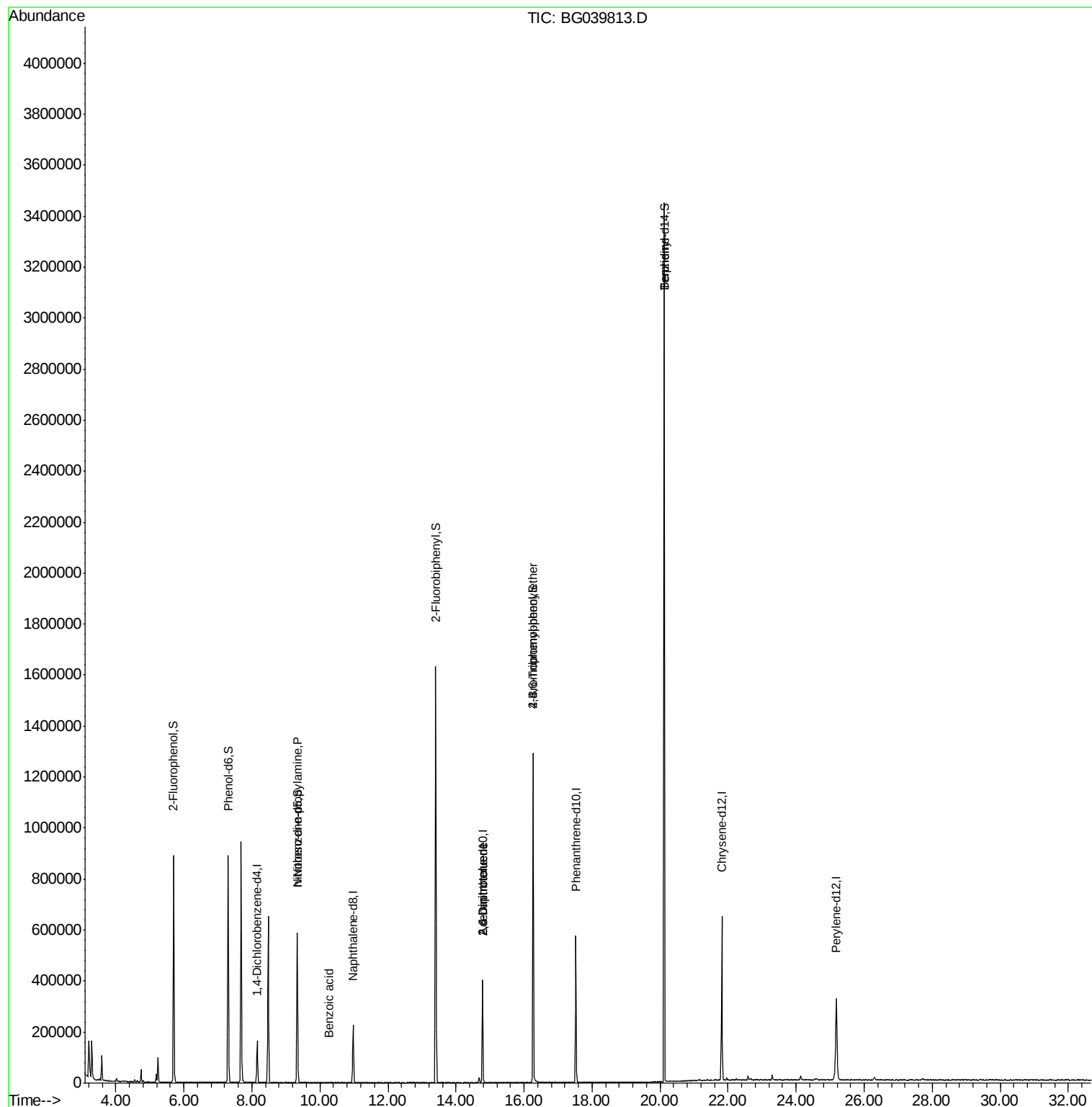
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	45526	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	190970	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	137502	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	360751	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	383110	20.00	ng	-0.02
87) Perylene-d12	25.18	264	380622	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	370781	138.94	ng	-0.01
7) Phenol-d6	7.30	99	499867	125.63	ng	-0.01
23) Nitrobenzene-d5	9.33	82	354614	100.43	ng	-0.01
42) 2,4,6-Tribromophenol	16.27	330	229500	143.20	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	888930	92.05	ng	-0.01
79) Terphenyl-d14	20.12	244	1576751	90.62	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	45918	16.033	ng	# 65
32) Benzoic acid	10.25	122	69	6.630	ng	# 1
51) 2,6-Dinitrotoluene	14.78	165	17587	7.215	ng	# 23
57) 2,4-Dinitrotoluene	14.78	165	17587	5.135	ng	# 18
67) 4-Bromophenyl-phenylether	16.27	248	17564	4.350	ng	# 1
77) Benzidine	20.12	184	29698	2.443	ng	# 91

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

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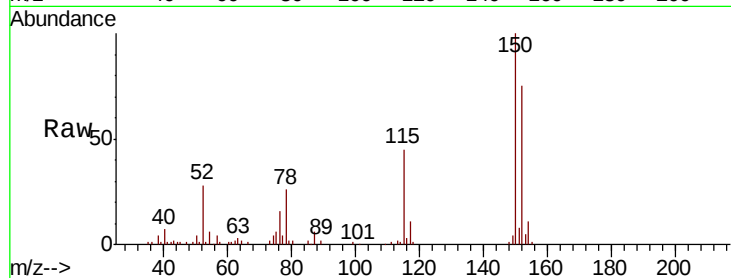


#1

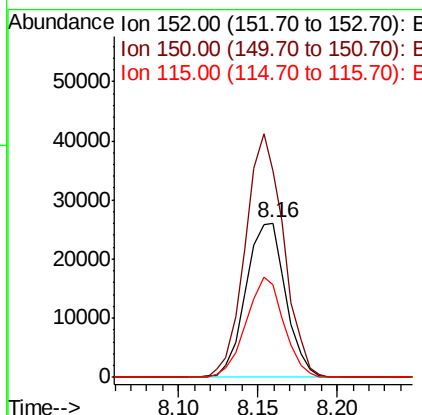
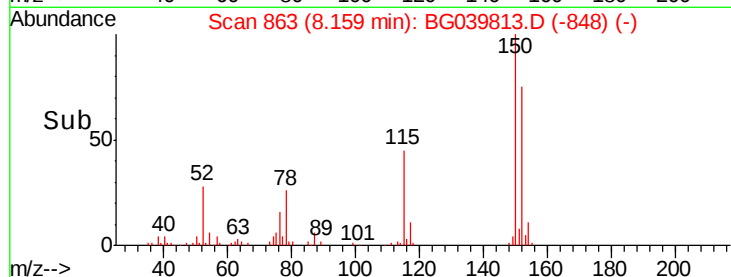
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BG039813.D
Acq: 7 Mar 2019 22:04

Instrument :
BNA_F
ClientSampled :
Z2-8

Tgt Ion:152 Resp: 45526
Ion Ratio Lower Upper
152 100
150 133.9 123.7 185.5
115 59.8 45.9 68.9



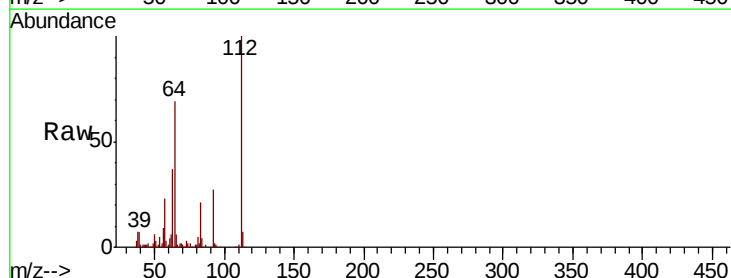
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



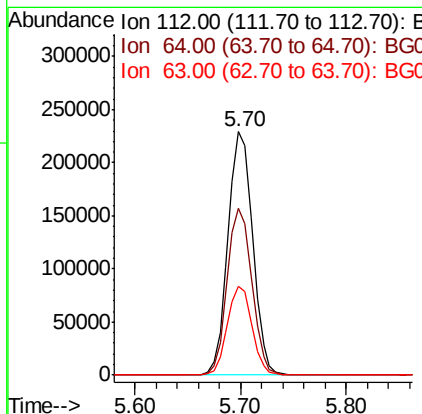
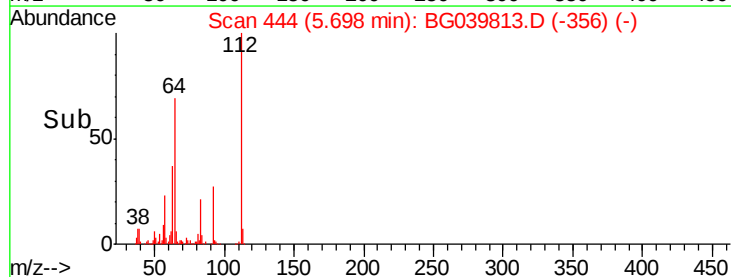
#5

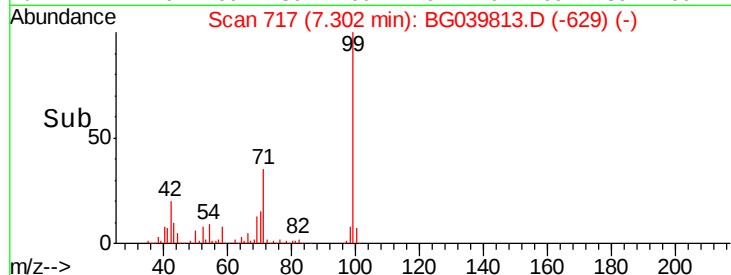
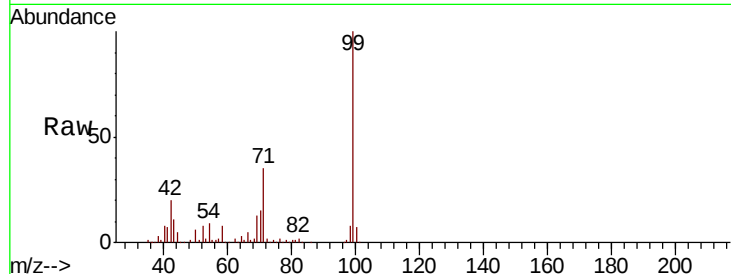
2-Fluorophenol
Concen: 138.944 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039813.D
Acq: 7 Mar 2019 22:04

Tgt Ion:112 Resp: 370781
Ion Ratio Lower Upper
112 100
64 68.6 57.8 86.8
63 36.7 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: 125.627 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039813.D

Acq: 7 Mar 2019 22:04

Instrument :

BNA_F

ClientSampleId :

Z2-8

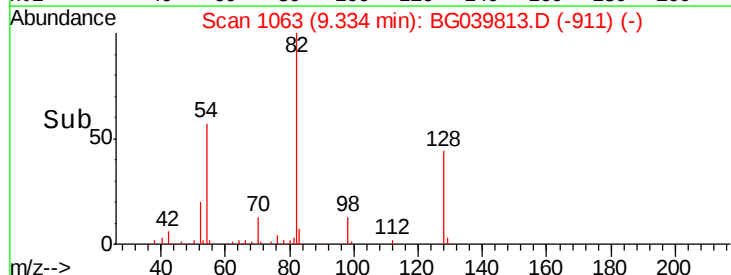
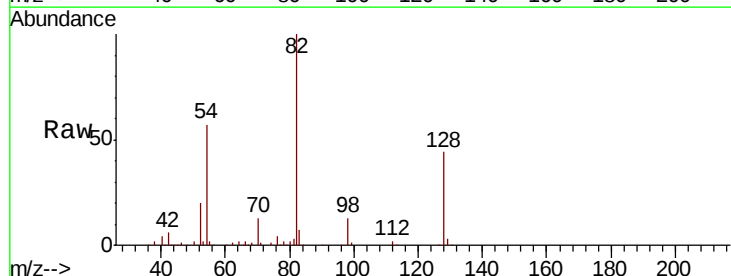
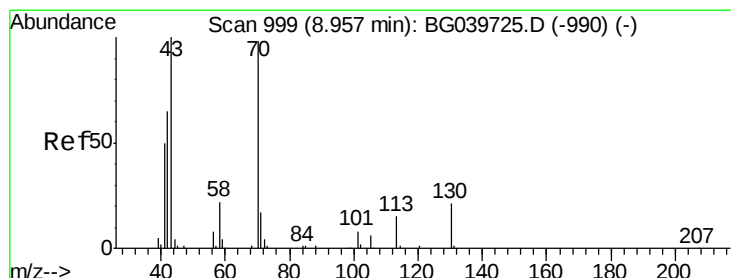
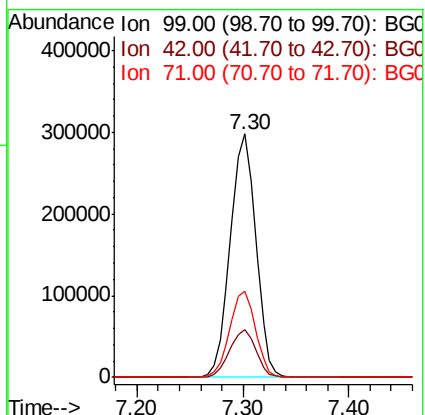
Tgt Ion: 99 Resp: 499867

Ion Ratio Lower Upper

99 100

42 19.8 18.2 27.2

71 35.5 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.033 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.37 min

Lab File: BG039813.D

Acq: 7 Mar 2019 22:04

Tgt Ion: 70 Resp: 45918

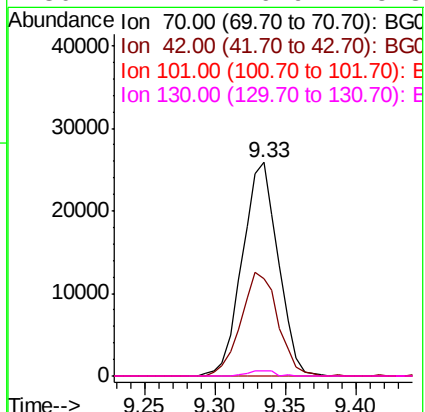
Ion Ratio Lower Upper

70 100

42 45.8 60.4 90.6#

101 0.0 7.5 11.3#

130 2.1 16.9 25.3#

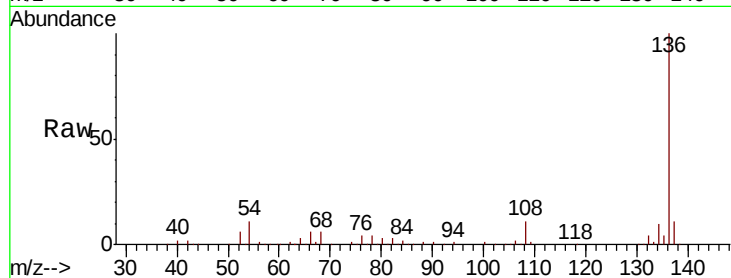




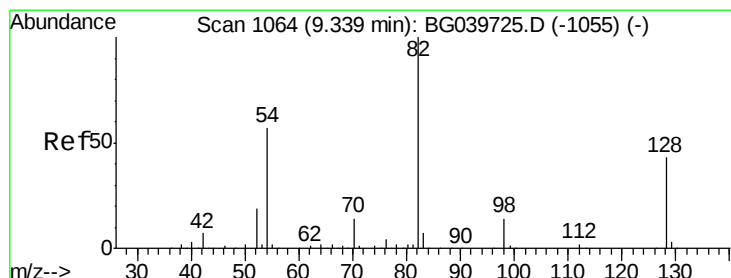
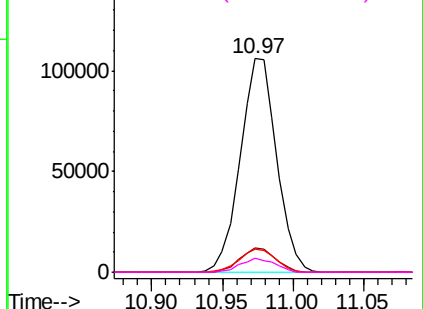
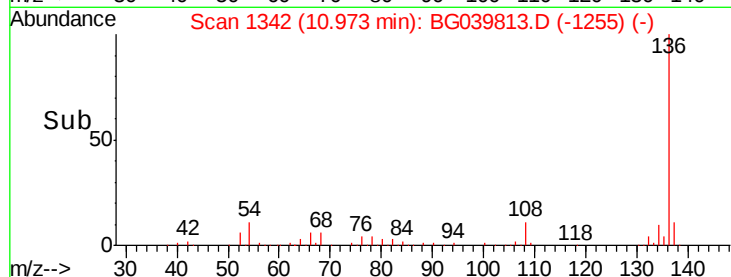
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG039813.D
Acq: 7 Mar 2019 22:04

Instrument :
BNA_F
ClientSampleId :
Z2-8

Tgt Ion: 136 Resp: 190970
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 10.9 9.4 14.2
68 6.5 4.2 6.4#

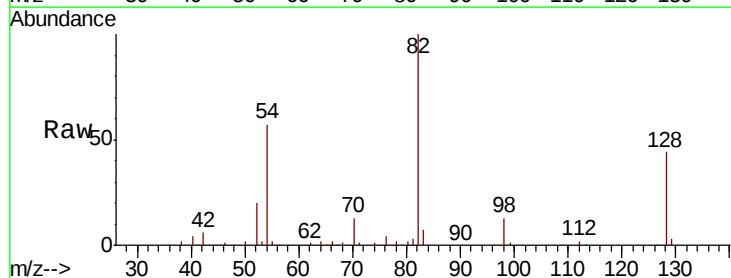


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

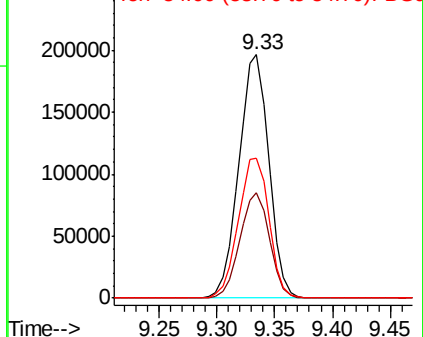
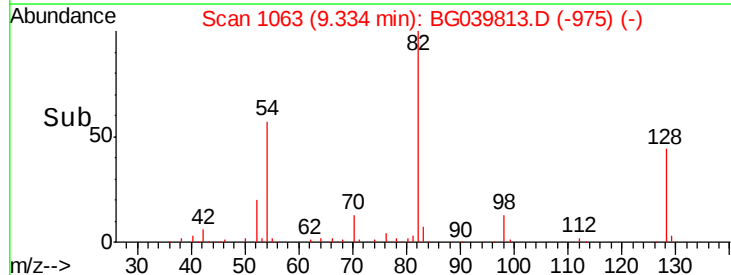


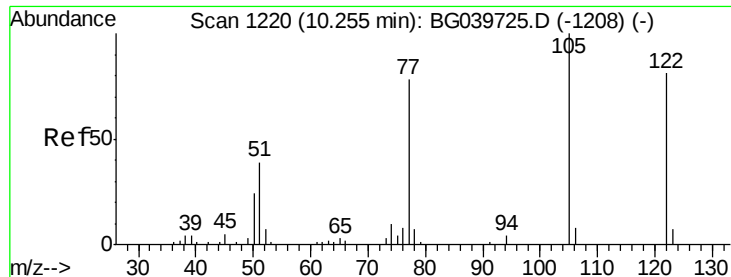
#23
Nitrobenzene-d5
Concen: 100.429 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039813.D
Acq: 7 Mar 2019 22:04

Tgt Ion: 82 Resp: 354614
Ion Ratio Lower Upper
82 100
128 43.5 31.3 46.9
54 57.2 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: 6.630 ng

RT: 10.25 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BG039813.D

Acq: 7 Mar 2019 22:04

Instrument :

BNA_F

ClientSampleId :

Z2-8

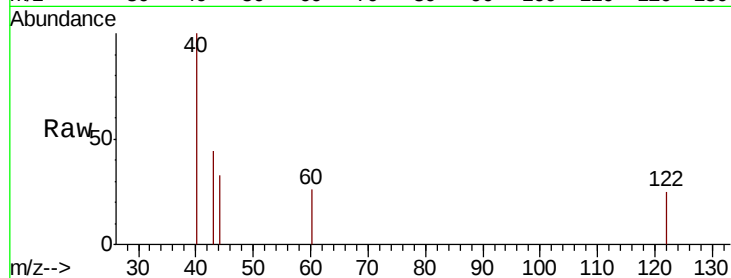
Tgt Ion:122 Resp: 69

Ion Ratio Lower Upper

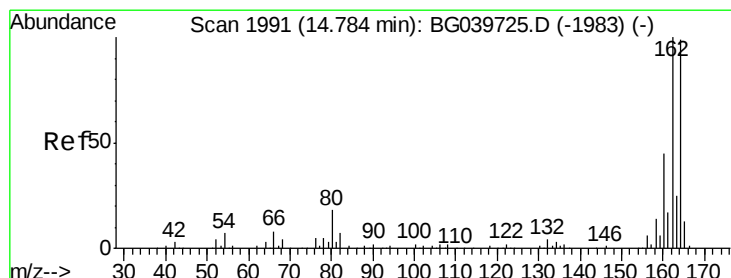
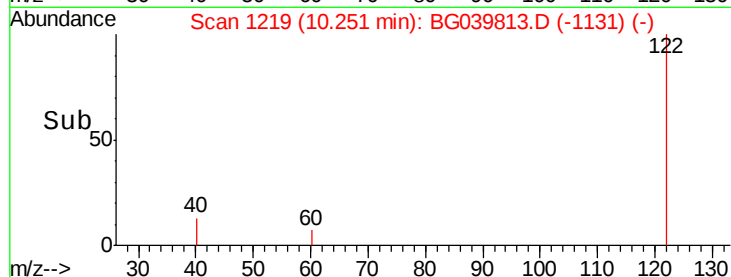
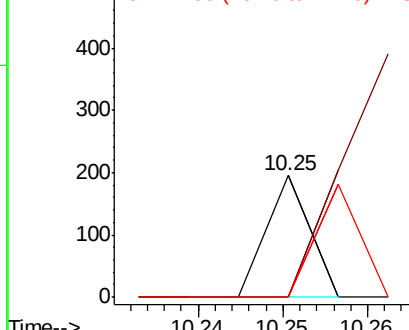
122 100

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: BG039813.D

Acq: 7 Mar 2019 22:04

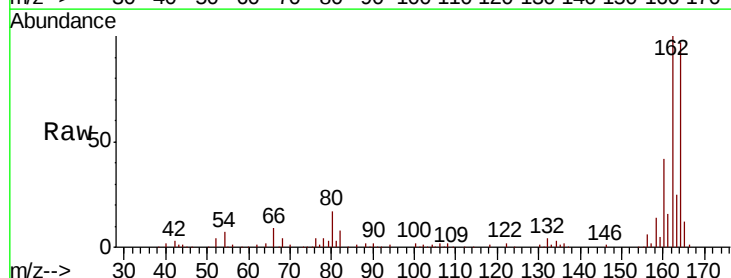
Tgt Ion:164 Resp: 137502

Ion Ratio Lower Upper

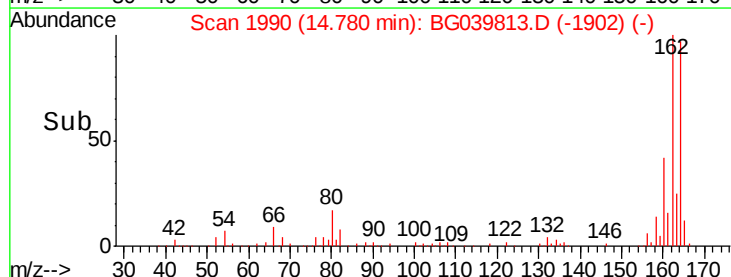
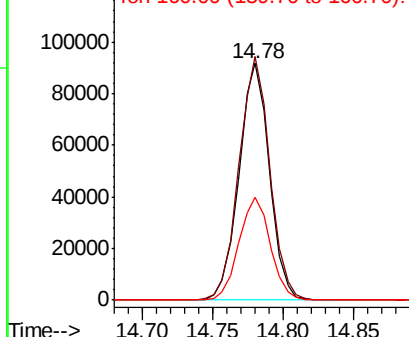
164 100

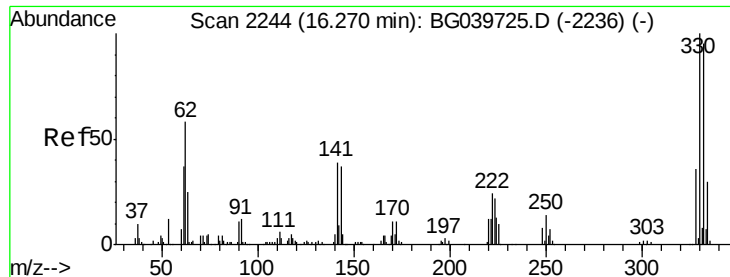
162 102.8 81.6 122.4

160 43.5 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: 143.197 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039813.D

Acq: 7 Mar 2019 22:04

Instrument :

BNA_F

ClientSampleId :

Z2-8

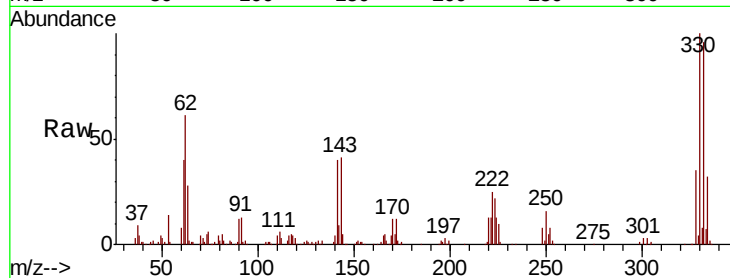
Tgt Ion:330 Resp: 229500

Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

141 40.6 35.6 53.4

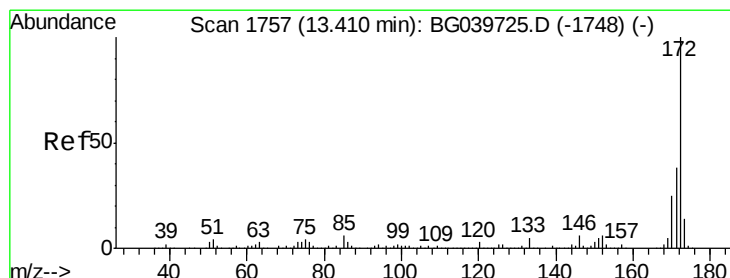
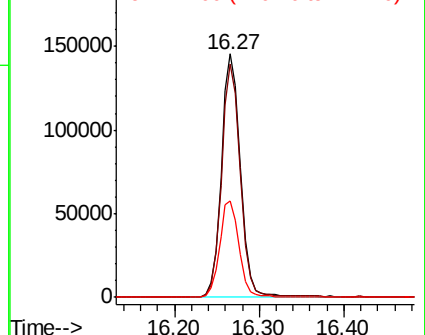
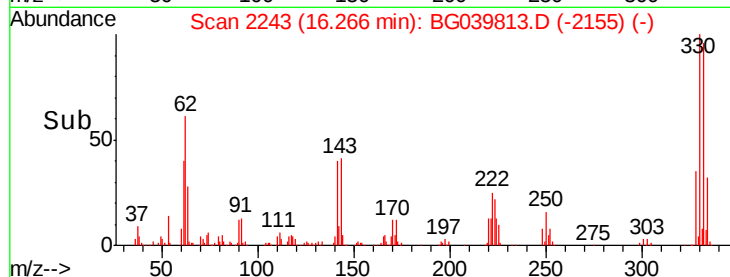


Abundance

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: 92.048 ng

RT: 13.41 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BG039813.D

Acq: 7 Mar 2019 22:04

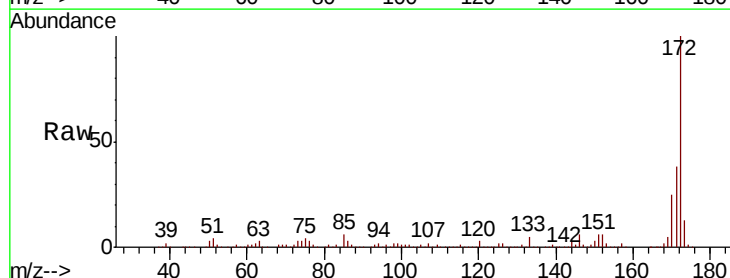
Tgt Ion:172 Resp: 888930

Ion Ratio Lower Upper

172 100

171 38.1 30.8 46.2

170 24.7 20.2 30.4

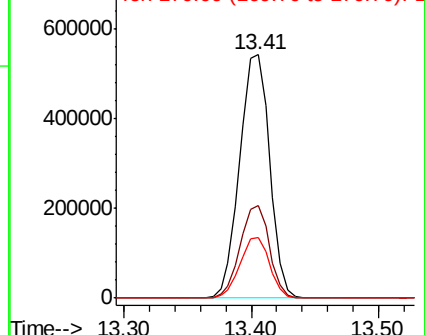
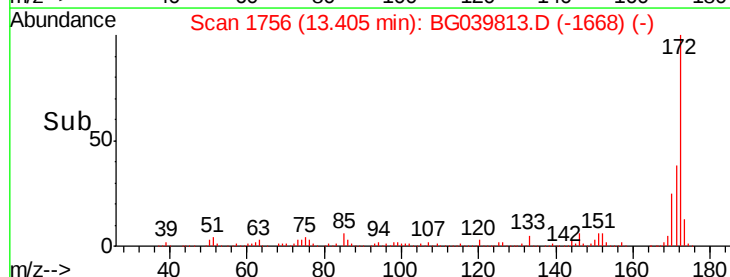


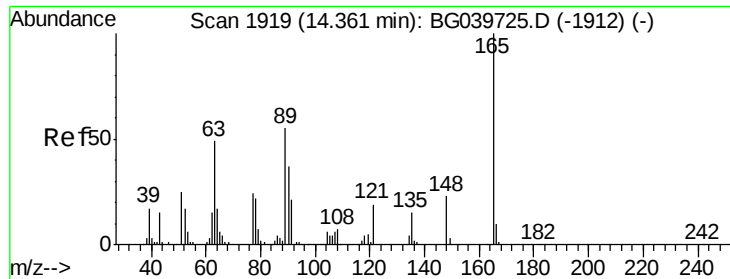
Abundance

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

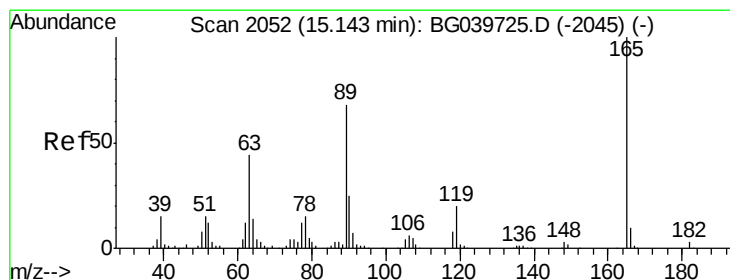
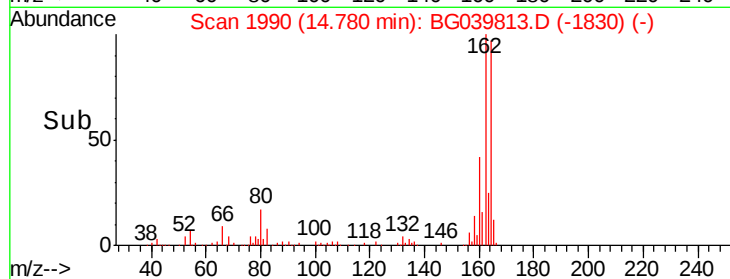
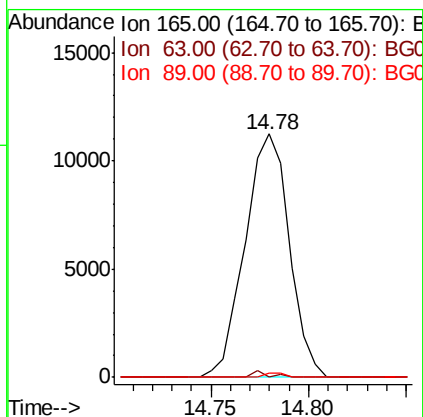
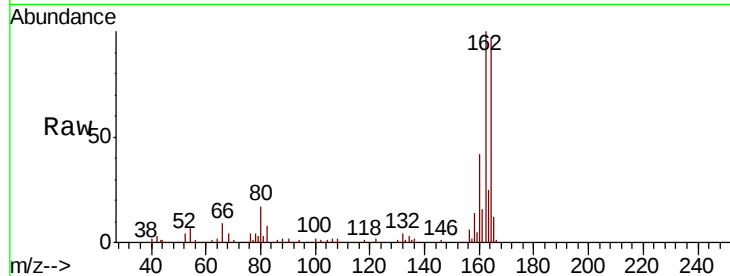




#51
 2,6-Dinitrotoluene
 Concen: 7.215 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG039813.D
 Acq: 7 Mar 2019 22:04

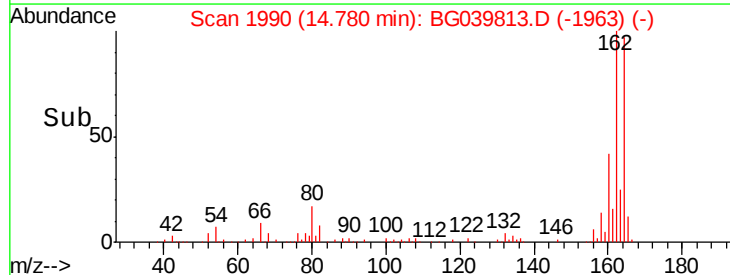
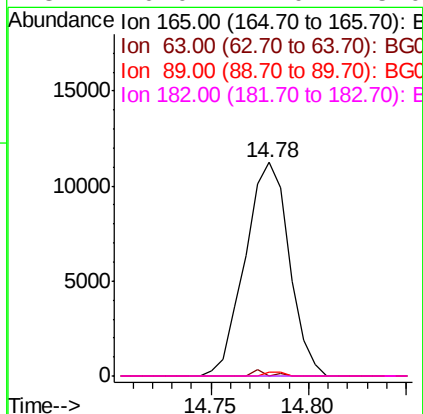
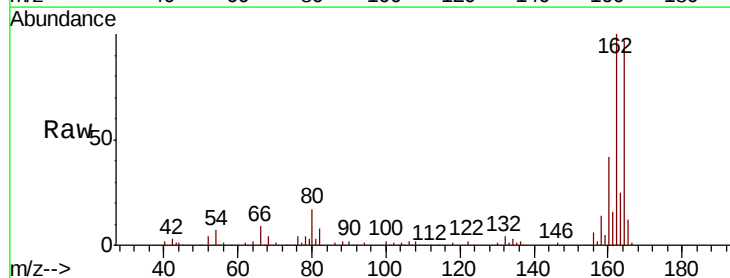
Instrument :
 BNA_F
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 Z2-8

Tgt 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: 5.135 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.37 min
 Lab File: BG039813.D
 Acq: 7 Mar 2019 22:04

Tgt 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#

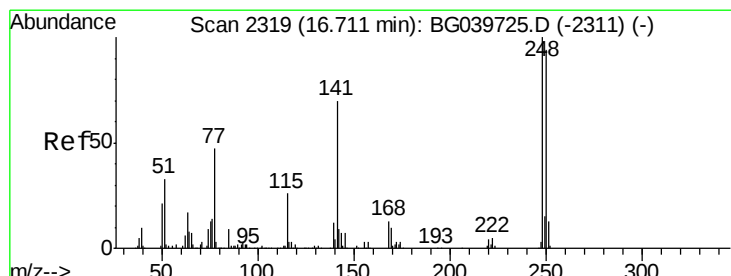
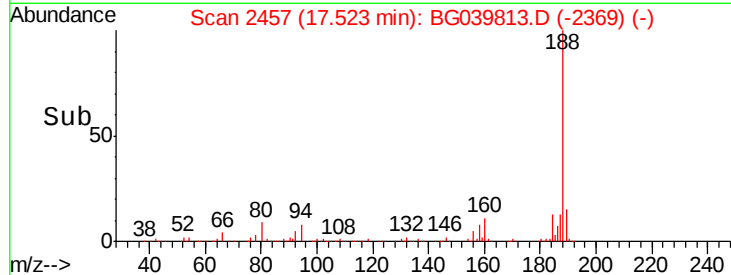
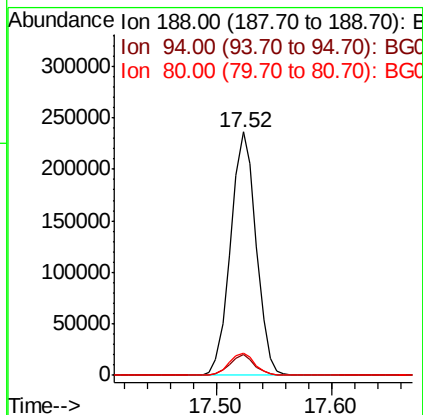
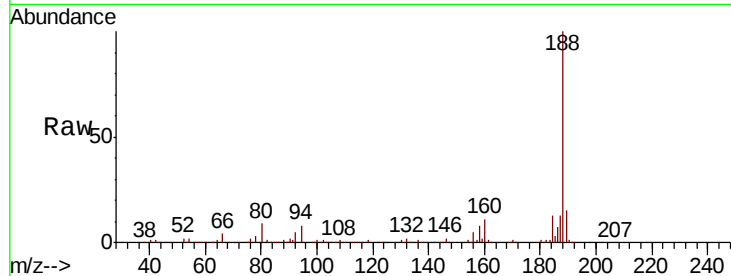




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.01 min
 Lab File: BG039813.D
 Acq: 7 Mar 2019 22:04

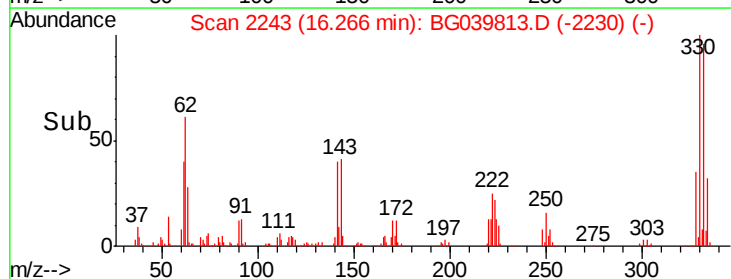
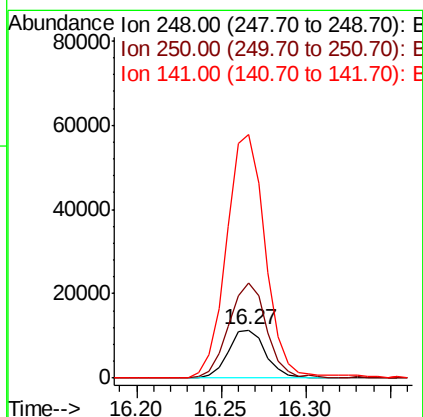
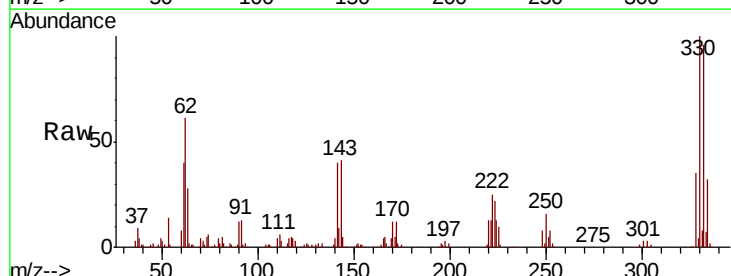
Instrument :
 BNA_F
 ClientSampleId :
 Z2-8

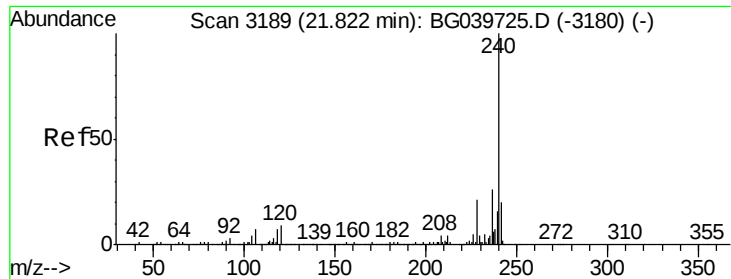
Tgt Ion:188 Resp: 360751
 Ion Ratio Lower Upper
 188 100
 94 8.4 6.9 10.3
 80 9.2 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.350 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG039813.D
 Acq: 7 Mar 2019 22:04

Tgt Ion:248 Resp: 17564
 Ion Ratio Lower Upper
 248 100
 250 199.8 77.6 116.4#
 141 507.9 63.9 95.9#

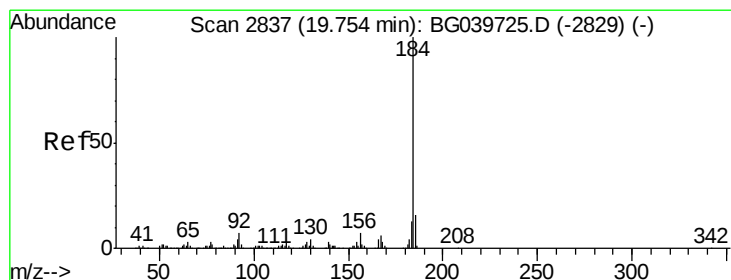
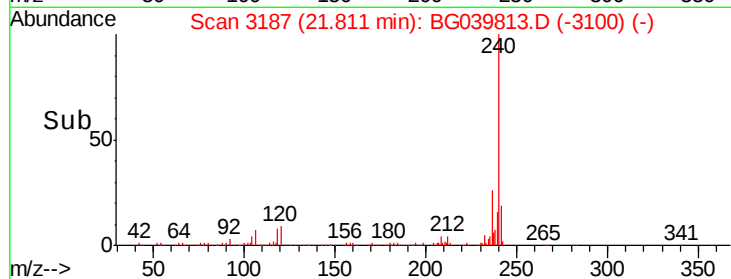
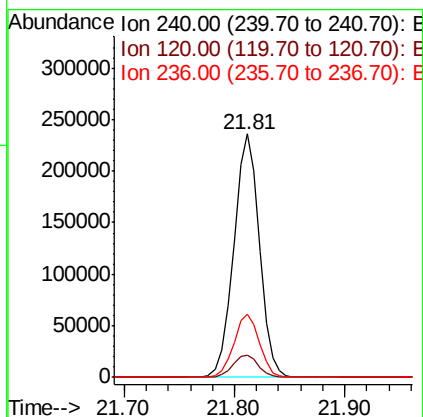
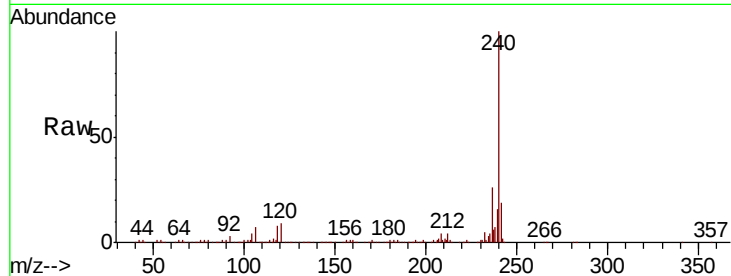




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.02 min
Lab File: BG039813.D
Acq: 7 Mar 2019 22:04

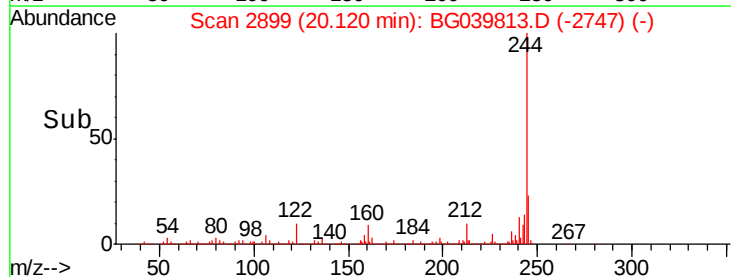
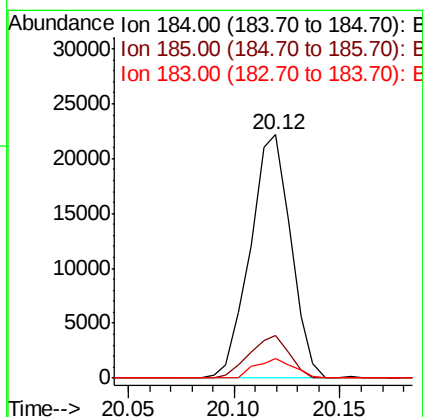
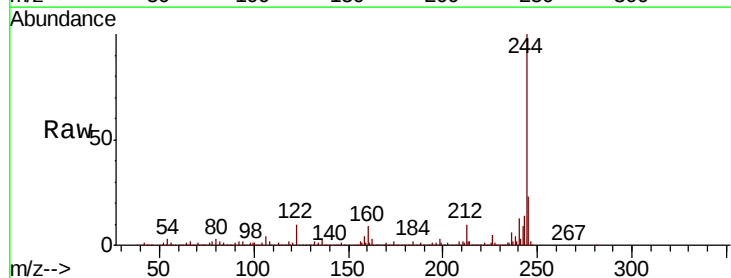
Instrument :
BNA_F
ClientSampleId :
Z2-8

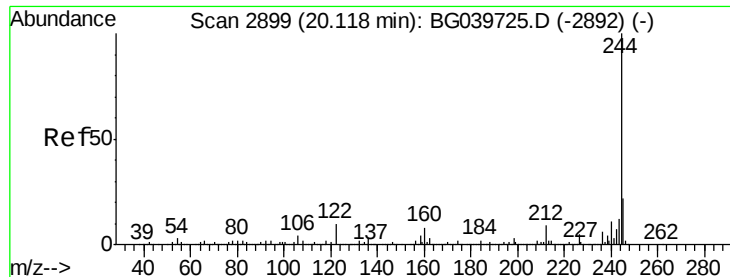
Tgt Ion:240 Resp: 383110
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 26.1 21.0 31.4



#77
Benzidine
Concen: 2.443 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.37 min
Lab File: BG039813.D
Acq: 7 Mar 2019 22:04

Tgt Ion:184 Resp: 29698
Ion Ratio Lower Upper
184 100
185 17.5 12.2 18.2
183 7.9 10.6 15.8#





#79

Terphenyl-d14

Concen: 90.619 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG039813.D

Acq: 7 Mar 2019 22:04

Instrument :

BNA_F

ClientSampleID :

Z2-8

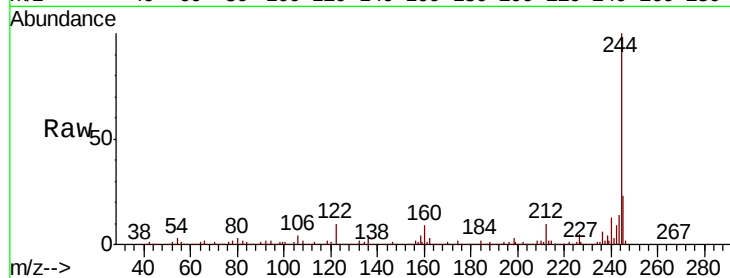
Tgt Ion:244 Resp: 1576751

Ion Ratio Lower Upper

244 100

212 9.8 7.3 10.9

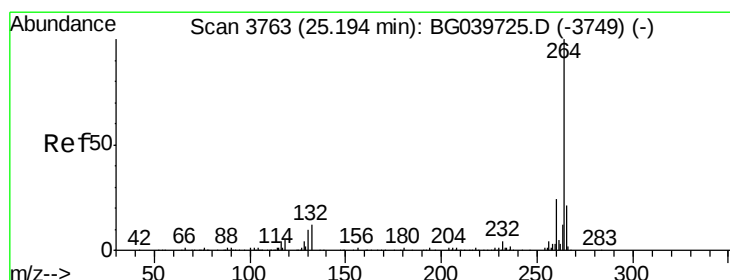
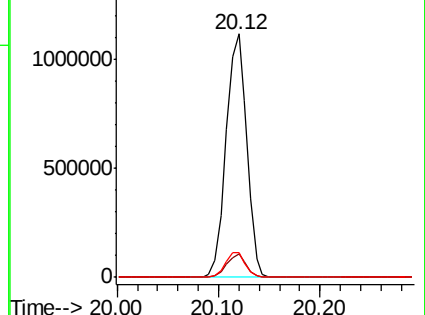
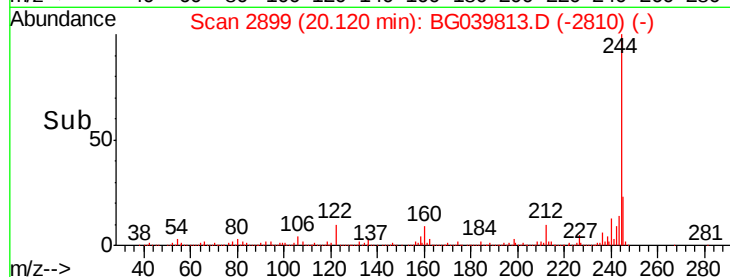
122 10.1 8.4 12.6



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: BG039813.D

Acq: 7 Mar 2019 22:04

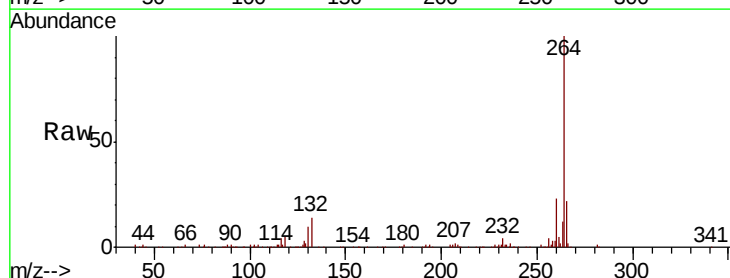
Tgt Ion:264 Resp: 380622

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.4

265 22.1 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

