

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030719\
 Data File : BG039812.D
 Acq On : 7 Mar 2019 21:24
 Operator : JU/SJ
 Sample : K1757-048
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-6CD-D

Quant Time: Mar 07 23:55:00 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

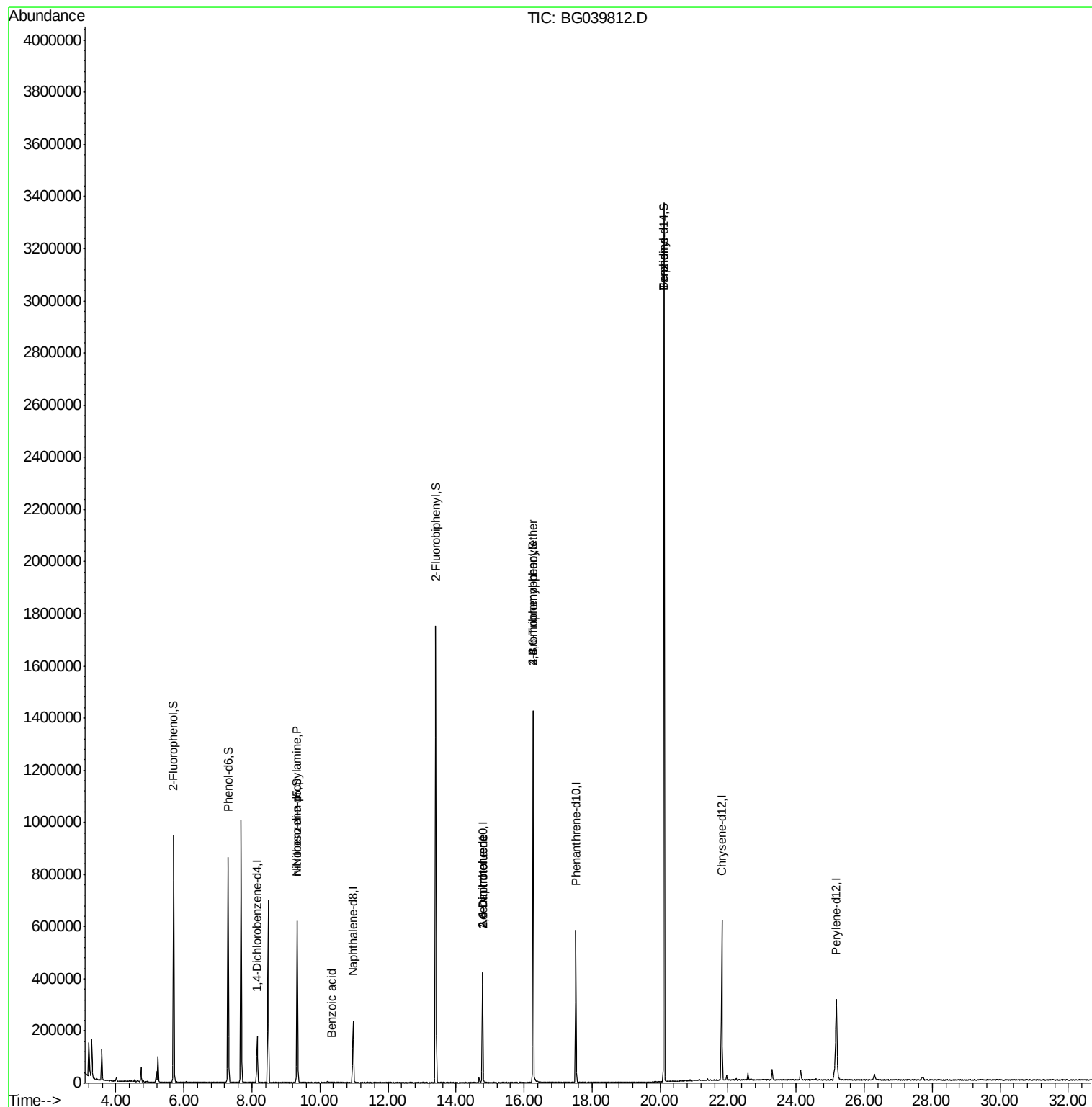
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	46904	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	204095	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	144001	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	359610	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	384679	20.00	ng	-0.02
87) Perylene-d12	25.18	264	376429	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	386538	140.59	ng	-0.01
7) Phenol-d6	7.30	99	506220	123.49	ng	-0.01
23) Nitrobenzene-d5	9.33	82	379882	100.67	ng	-0.02
42) 2,4,6-Tribromophenol	16.27	330	244383	145.60	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	927643	91.72	ng	-0.02
79) Terphenyl-d14	20.12	244	1572108	89.98	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	51134	17.330	ng	# 66
32) Benzoic acid	10.35	122	169	6.670	ng	# 90
51) 2,6-Dinitrotoluene	14.78	165	18502	7.248	ng	# 25
57) 2,4-Dinitrotoluene	14.78	165	18502	5.158	ng	# 20
67) 4-Bromophenyl-phenylether	16.27	248	19890	4.941	ng	# 1
77) Benzidine	20.11	184	28300	2.318	ng	# 94

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

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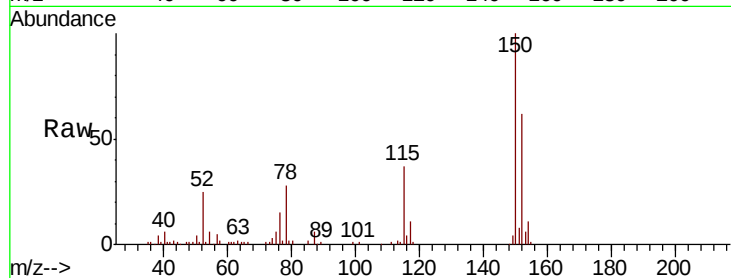


#1

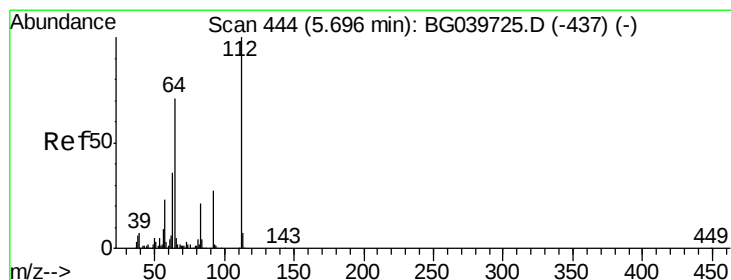
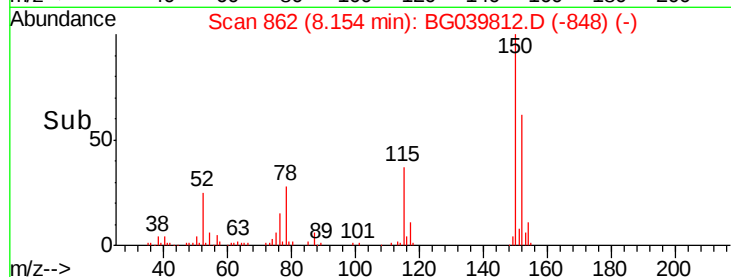
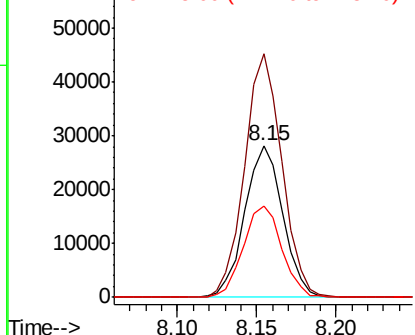
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.02 min
Lab File: BG039812.D
Acq: 7 Mar 2019 21:24

Instrument :
BNA_G
ClientSampleId :
TP-6CD-D

Tgt Ion:152 Resp: 46904
Ion Ratio Lower Upper
152 100
150 160.7 123.7 185.5
115 60.3 45.9 68.9



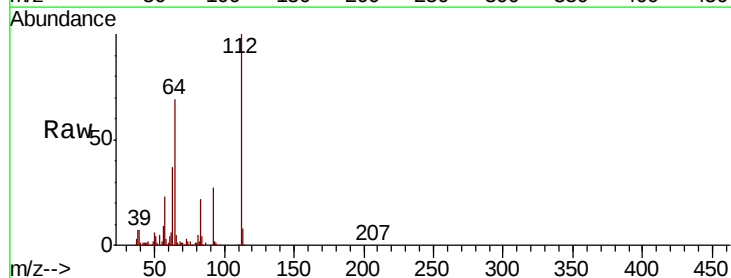
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



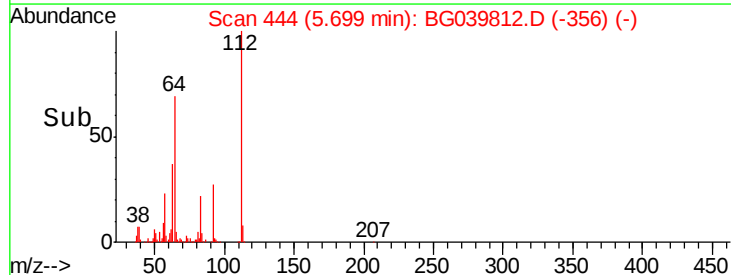
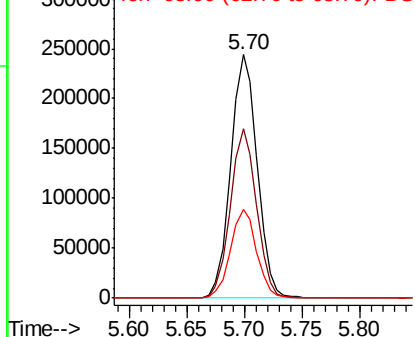
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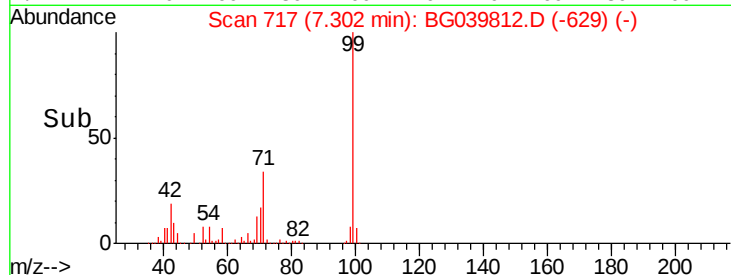
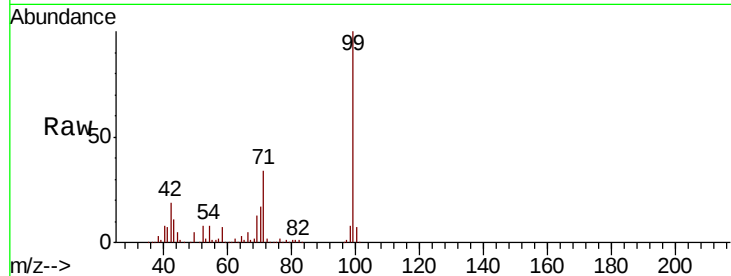
2-Fluorophenol
Concen: 140.593 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039812.D
Acq: 7 Mar 2019 21:24

Tgt Ion:112 Resp: 386538
Ion Ratio Lower Upper
112 100
64 69.4 57.8 86.8
63 36.6 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: 123.486 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039812.D

Acq: 7 Mar 2019 21:24

Instrument :

BNA_G

ClientSampleId :

TP-6CD-D

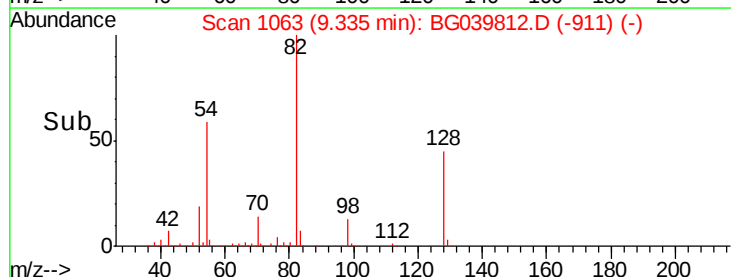
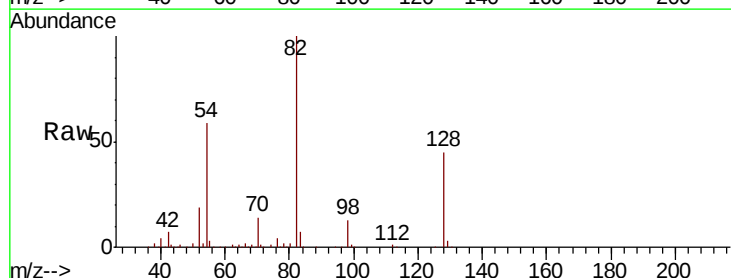
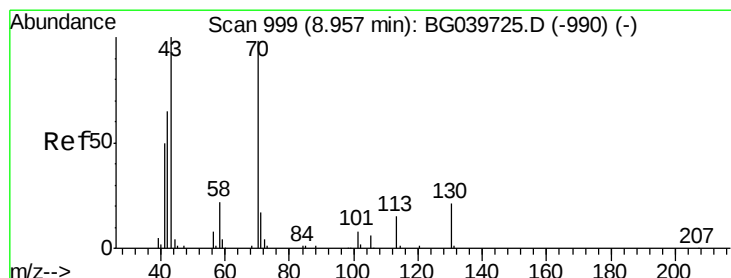
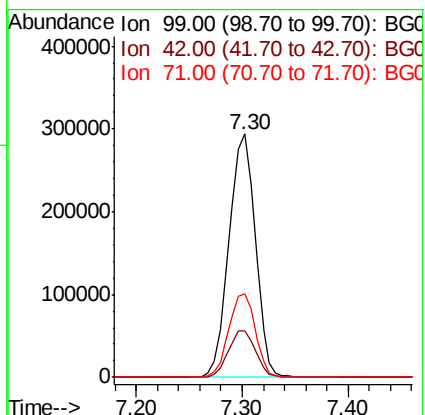
Tgt Ion: 99 Resp: 506220

Ion Ratio Lower Upper

99 100

42 19.1 18.2 27.2

71 34.3 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.330 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.37 min

Lab File: BG039812.D

Acq: 7 Mar 2019 21:24

Tgt Ion: 70 Resp: 51134

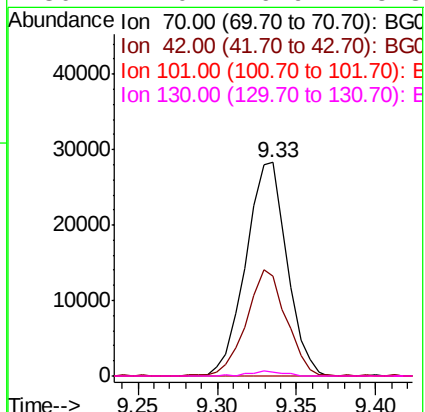
Ion Ratio Lower Upper

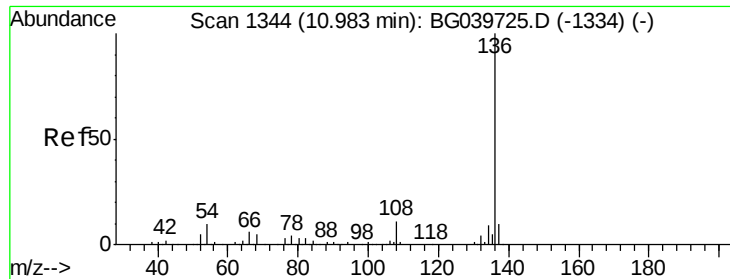
70 100

42 46.6 60.4 90.6#

101 0.0 7.5 11.3#

130 2.0 16.9 25.3#

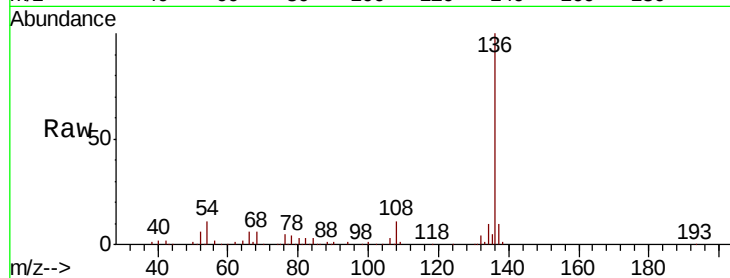




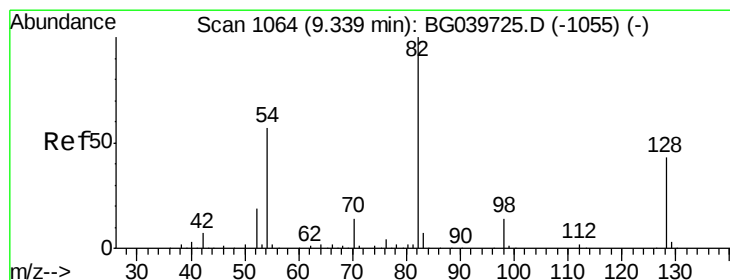
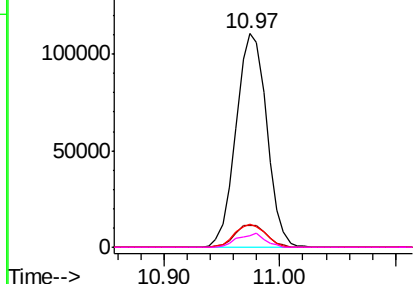
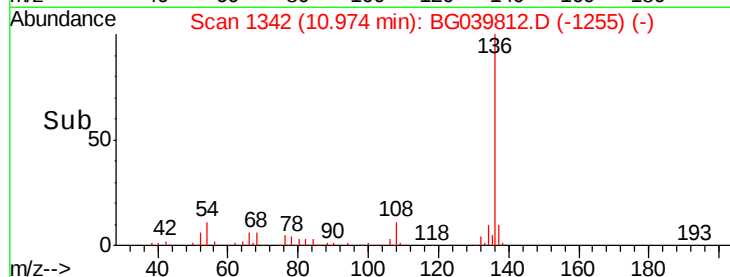
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG039812.D
Acq: 7 Mar 2019 21:24

Instrument :
BNA_G
ClientSampleId :
TP-6CD-D

Tgt Ion:	136	Resp:	204095
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	10.8	9.4	14.2
68	5.6	4.2	6.4

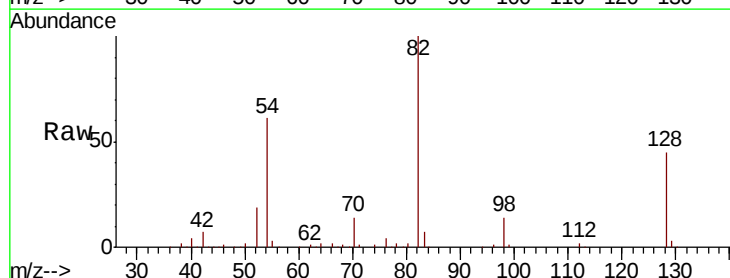


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

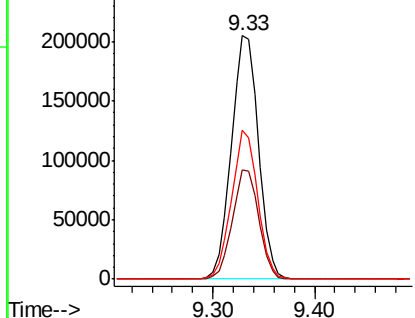
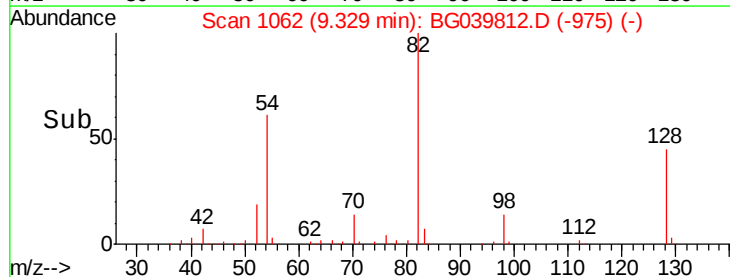


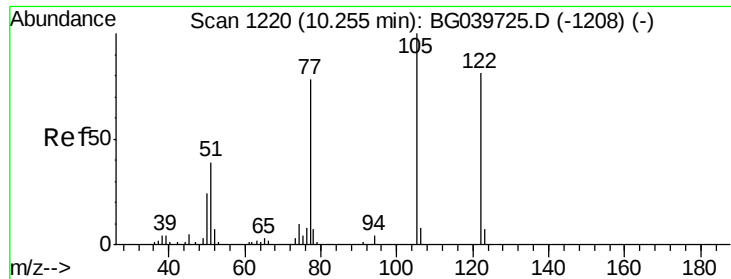
#23
Nitrobenzene-d5
Concen: 100.667 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039812.D
Acq: 7 Mar 2019 21:24

Tgt Ion:	82	Resp:	379882
Ion	Ratio	Lower	Upper
82	100		
128	44.8	31.3	46.9
54	60.9	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.670 ng

RT: 10.35 min Scan# 1236

Delta R.T. 0.09 min

Lab File: BG039812.D

Acq: 7 Mar 2019 21:24

Instrument :

BNA_G

ClientSampled :

TP-6CD-D

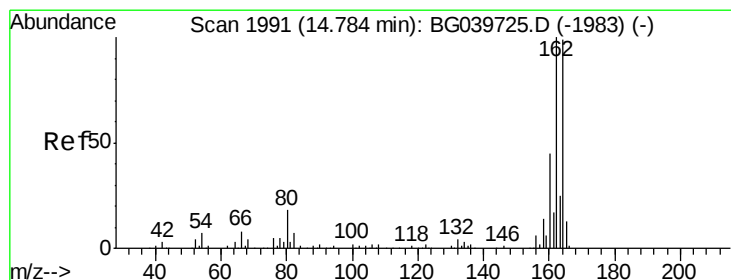
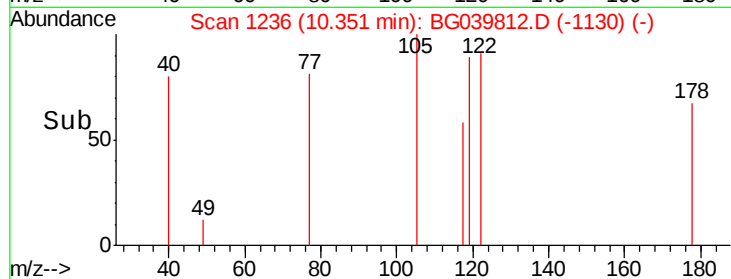
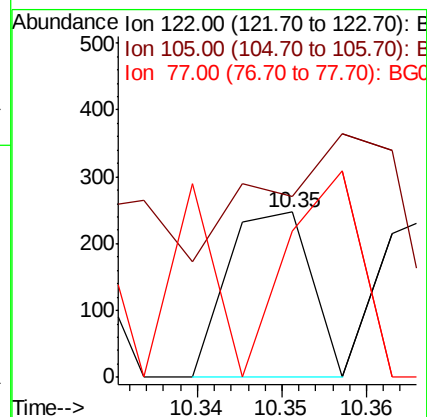
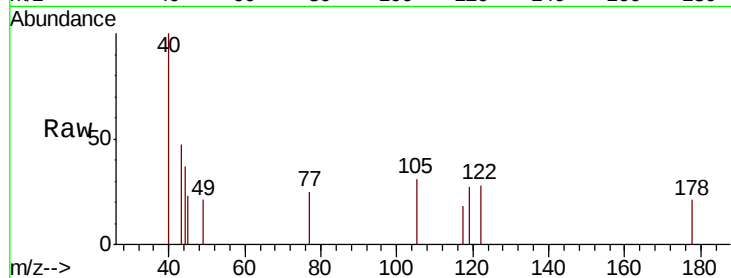
Tgt Ion:122 Resp: 169

Ion Ratio Lower Upper

122 100

105 109.3 101.8 141.8

77 88.7 76.3 116.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG039812.D

Acq: 7 Mar 2019 21:24

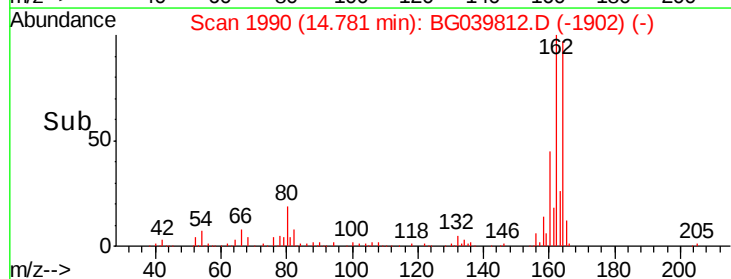
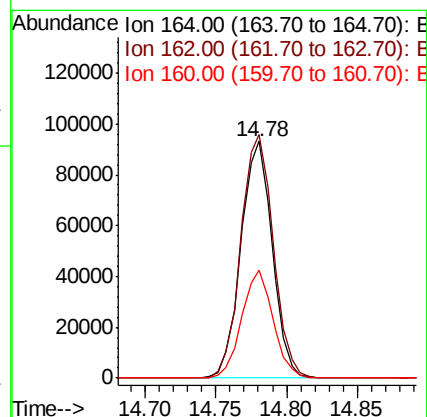
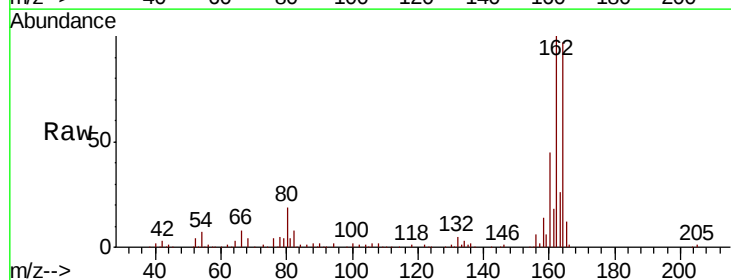
Tgt Ion:164 Resp: 144001

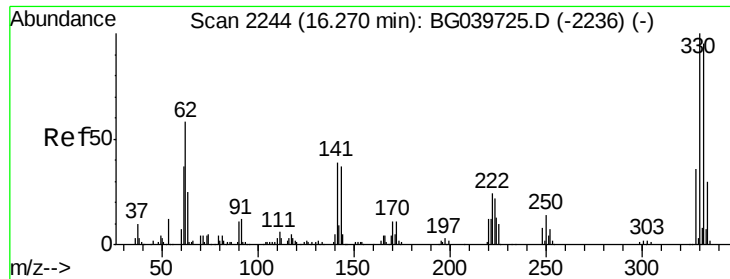
Ion Ratio Lower Upper

164 100

162 102.8 81.6 122.4

160 45.8 34.2 51.2

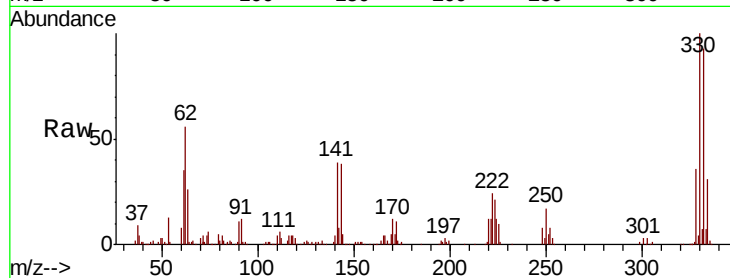




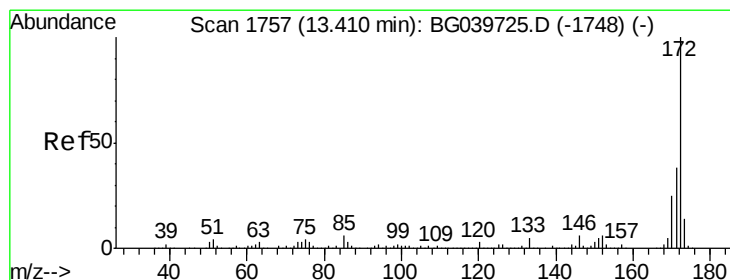
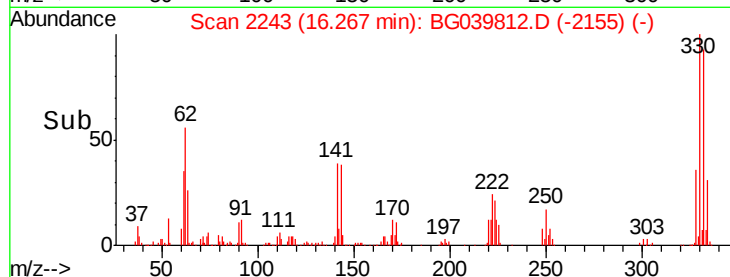
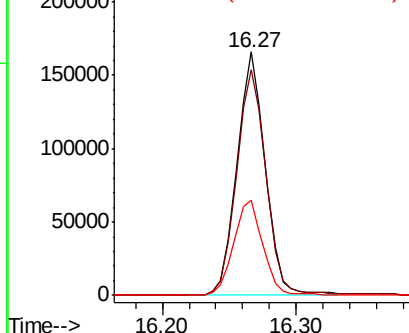
#42
 2,4,6-Tribromophenol
 Concen: 145.601 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BG039812.D
 Acq: 7 Mar 2019 21:24

Instrument :
 BNA_G
 ClientSampleId :
 TP-6CD-D

Tgt Ion:330 Resp: 244383
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.7 113.5
 141 40.6 35.6 53.4

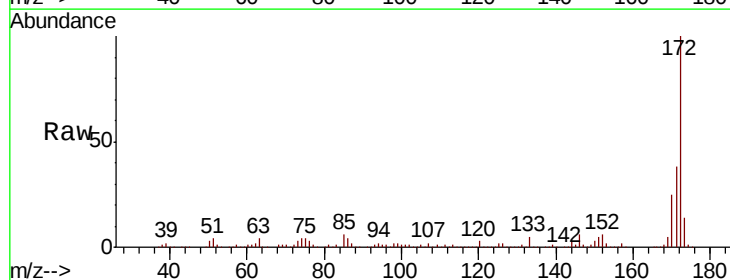


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

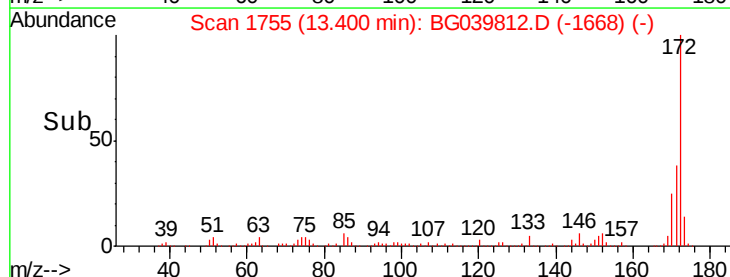
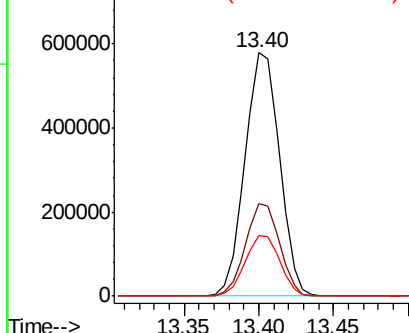


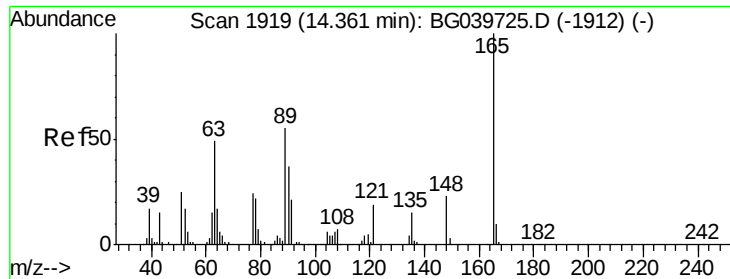
#45
 2-Fluorobiphenyl
 Concen: 91.722 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039812.D
 Acq: 7 Mar 2019 21:24

Tgt Ion:172 Resp: 927643
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.8 46.2
 170 25.0 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

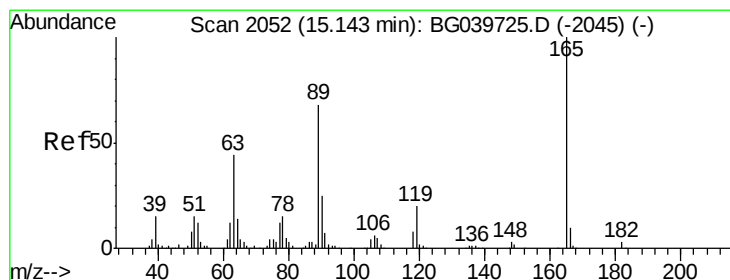
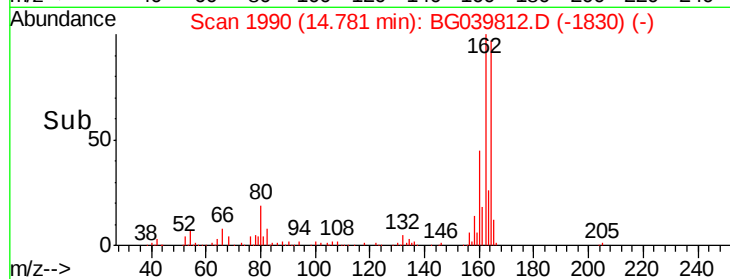
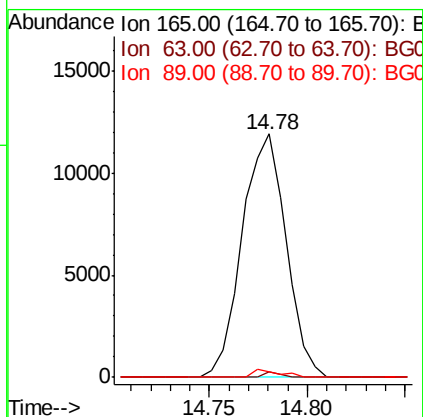
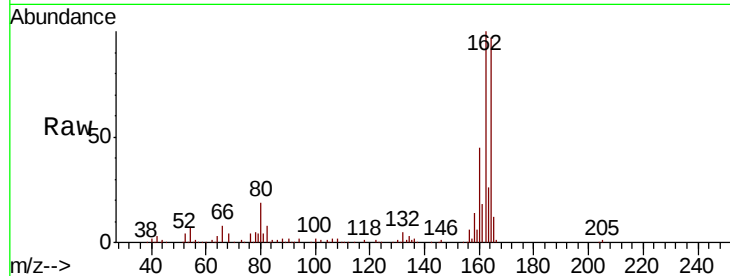




#51
 2,6-Dinitrotoluene
 Concen: 7.248 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG039812.D
 Acq: 7 Mar 2019 21:24

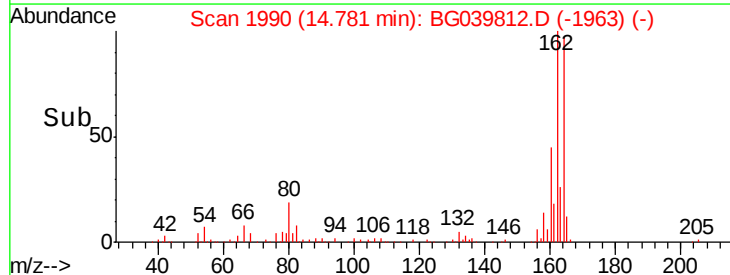
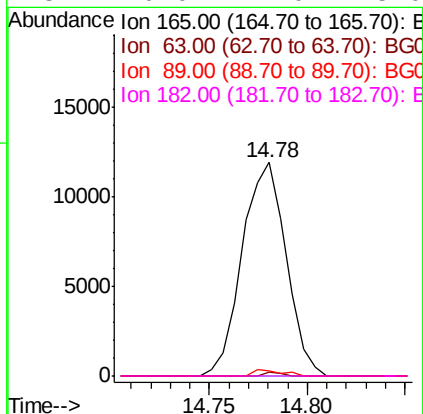
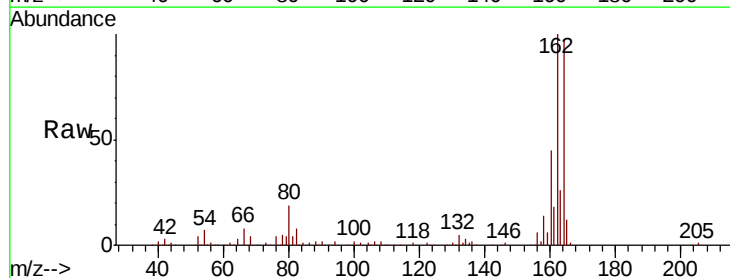
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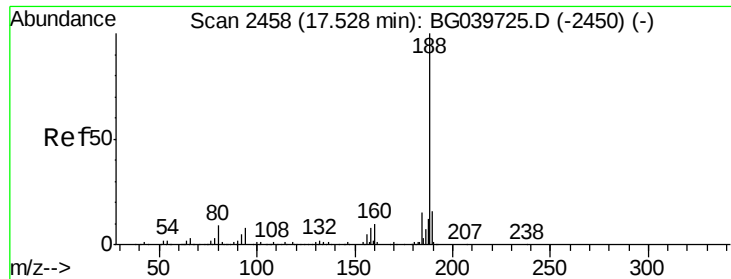
Tgt Ion:165 Resp: 18502
 Ion Ratio Lower Upper
 165 100
 63 2.1 47.0 70.6#
 89 2.2 45.8 68.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.158 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.37 min
 Lab File: BG039812.D
 Acq: 7 Mar 2019 21:24

Tgt Ion:165 Resp: 18502
 Ion Ratio Lower Upper
 165 100
 63 2.1 41.0 61.6#
 89 2.2 64.6 96.8#
 182 0.0 2.0 3.0#

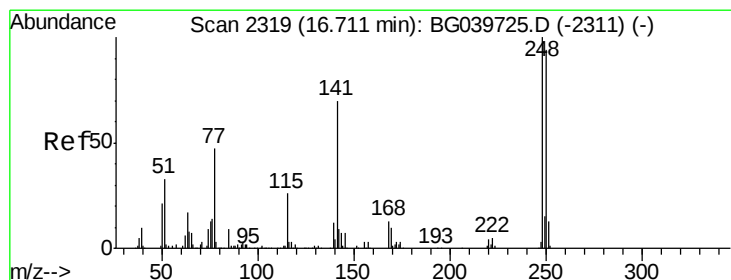
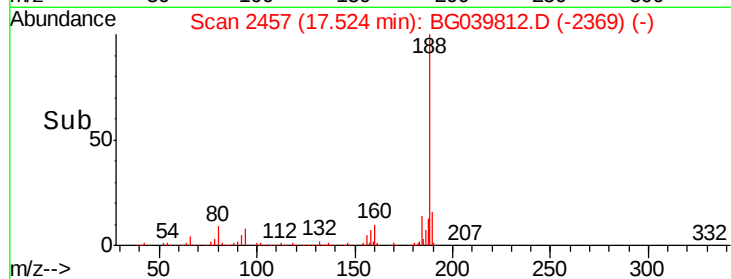
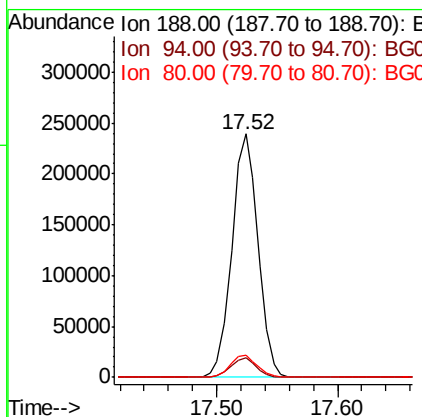
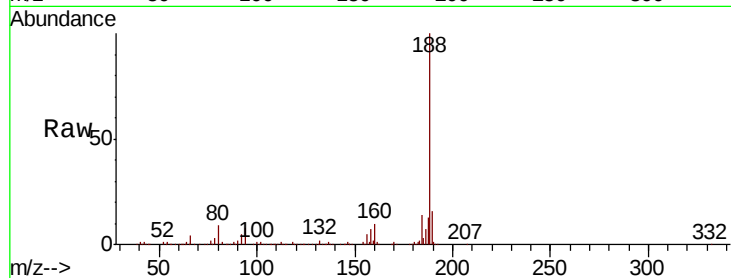




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.01 min
 Lab File: BG039812.D
 Acq: 7 Mar 2019 21:24

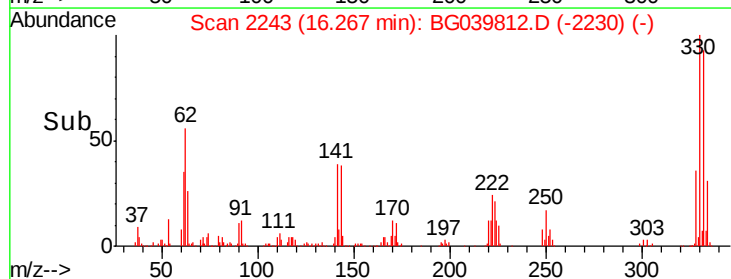
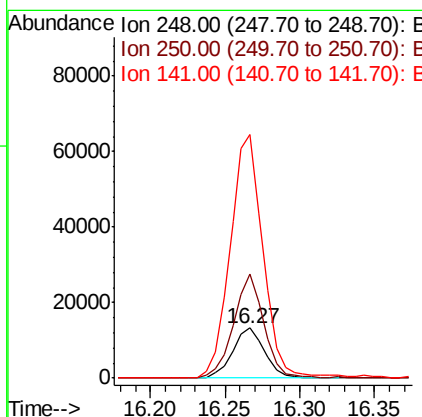
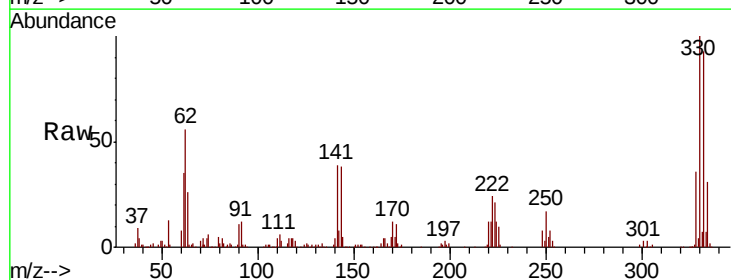
Instrument :
 BNA_G
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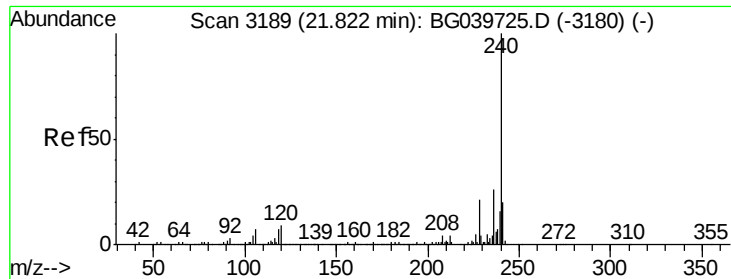
Tgt Ion:188 Resp: 359610
 Ion Ratio Lower Upper
 188 100
 94 7.9 6.9 10.3
 80 9.3 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.941 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG039812.D
 Acq: 7 Mar 2019 21:24

Tgt Ion:248 Resp: 19890
 Ion Ratio Lower Upper
 248 100
 250 208.0 77.6 116.4#
 141 486.8 63.9 95.9#

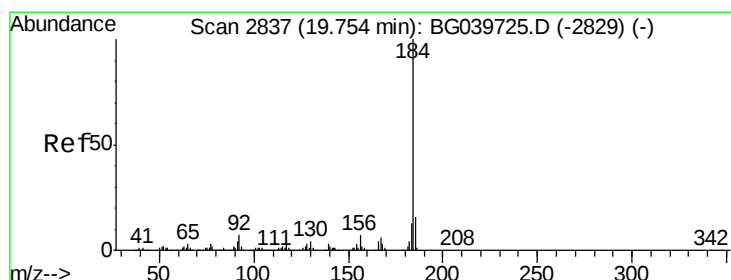
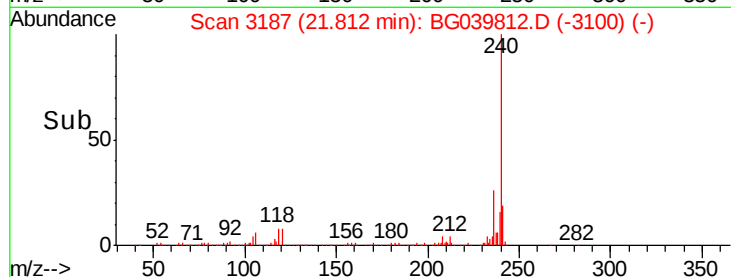
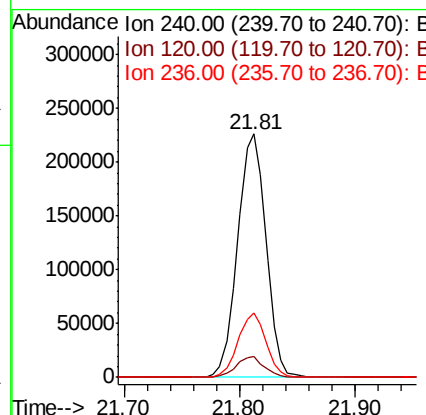
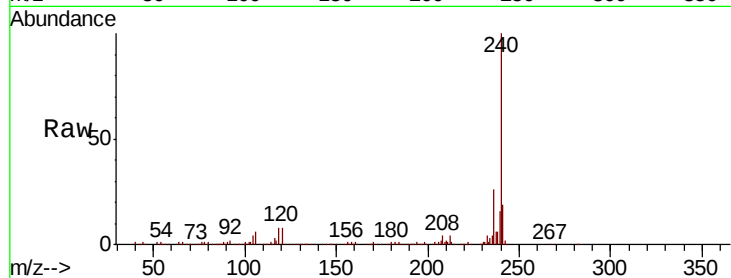




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.81 min Scan# 3187
 Delta R.T. -0.02 min
 Lab File: BG039812.D
 Acq: 7 Mar 2019 21:24

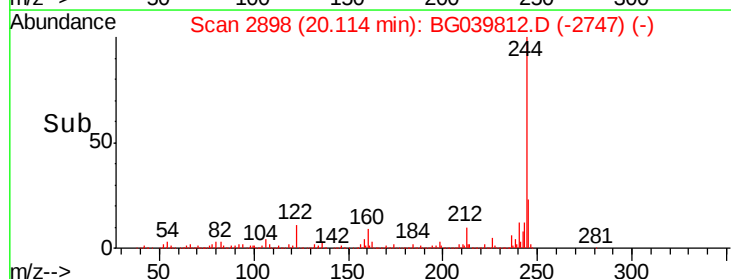
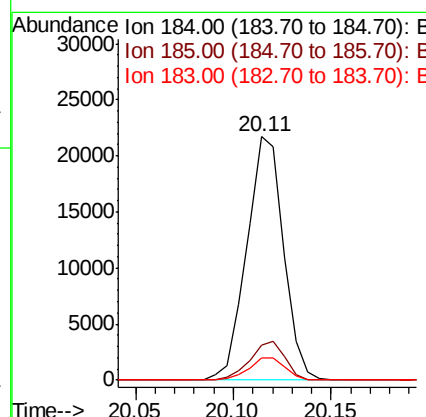
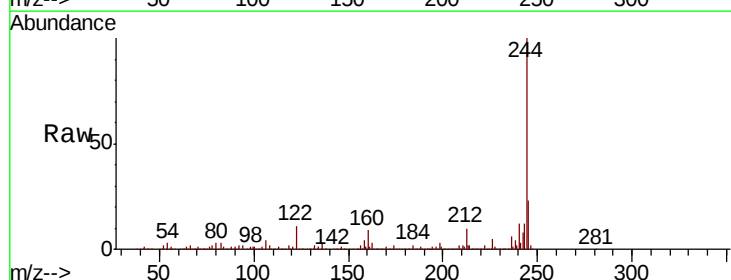
Instrument :
 BNA_G
 ClientSampleId :
 TP-6CD-D

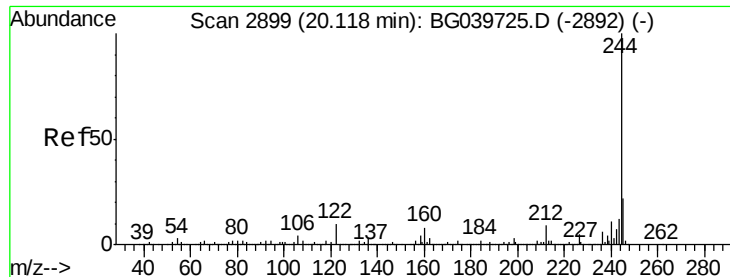
Tgt Ion:240 Resp: 384679
 Ion Ratio Lower Upper
 240 100
 120 8.5 7.0 10.6
 236 26.3 21.0 31.4



#77
 Benzidine
 Concen: 2.318 ng
 RT: 20.11 min Scan# 2898
 Delta R.T. 0.36 min
 Lab File: BG039812.D
 Acq: 7 Mar 2019 21:24

Tgt Ion:184 Resp: 28300
 Ion Ratio Lower Upper
 184 100
 185 14.3 12.2 18.2
 183 9.2 10.6 15.8#





#79

Terphenyl-d14

Concen: 89.983 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.00 min

Lab File: BG039812.D

Acq: 7 Mar 2019 21:24

Instrument :

BNA_G

ClientSampled :

TP-6CD-D

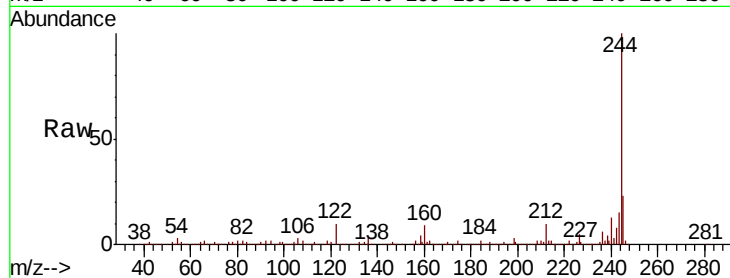
Tgt Ion:244 Resp: 1572108

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

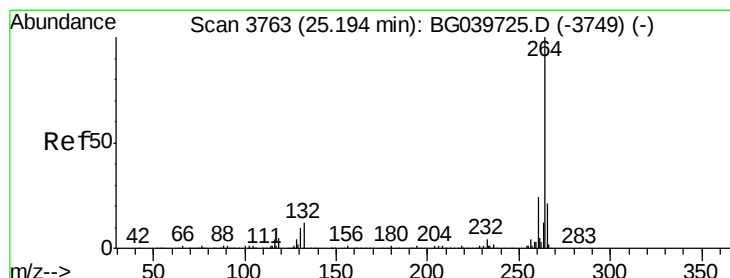
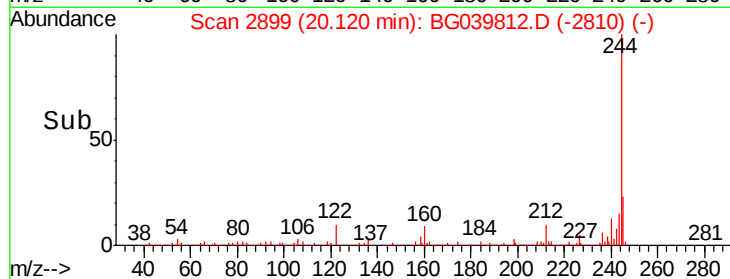
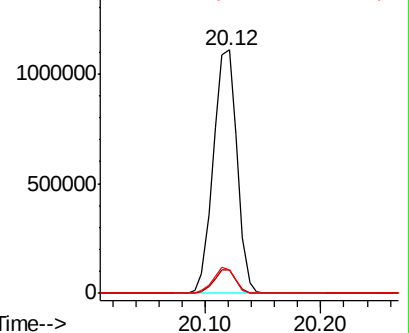
122 9.6 8.4 12.6



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: BG039812.D

Acq: 7 Mar 2019 21:24

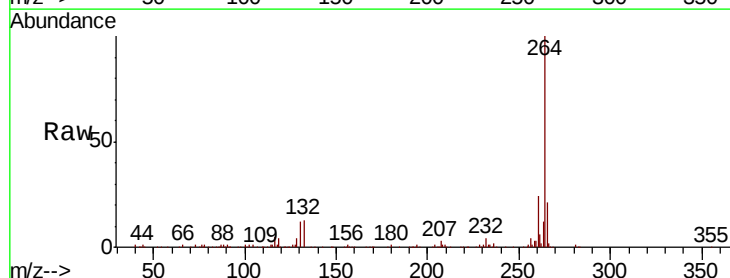
Tgt Ion:264 Resp: 376429

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

265 20.6 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

