

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039632.D
 Acq On : 27 Feb 2019 13:21
 Operator : JU/SJ
 Sample : K1594-21
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-1(4-5)

Quant Time: Feb 27 23:56:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	49423	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	208527	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	145225	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	361114	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	370741	20.00	ng	-0.03
87) Perylene-d12	25.19	264	374772	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	402397	139.35	ng	0.00
7) Phenol-d6	7.31	99	578988	136.21	ng	0.00
23) Nitrobenzene-d5	9.34	82	338293	101.35	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	226092	144.58	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	665473	65.74	ng	-0.02
79) Terphenyl-d14	20.12	244	1161884	66.34	ng	-0.03

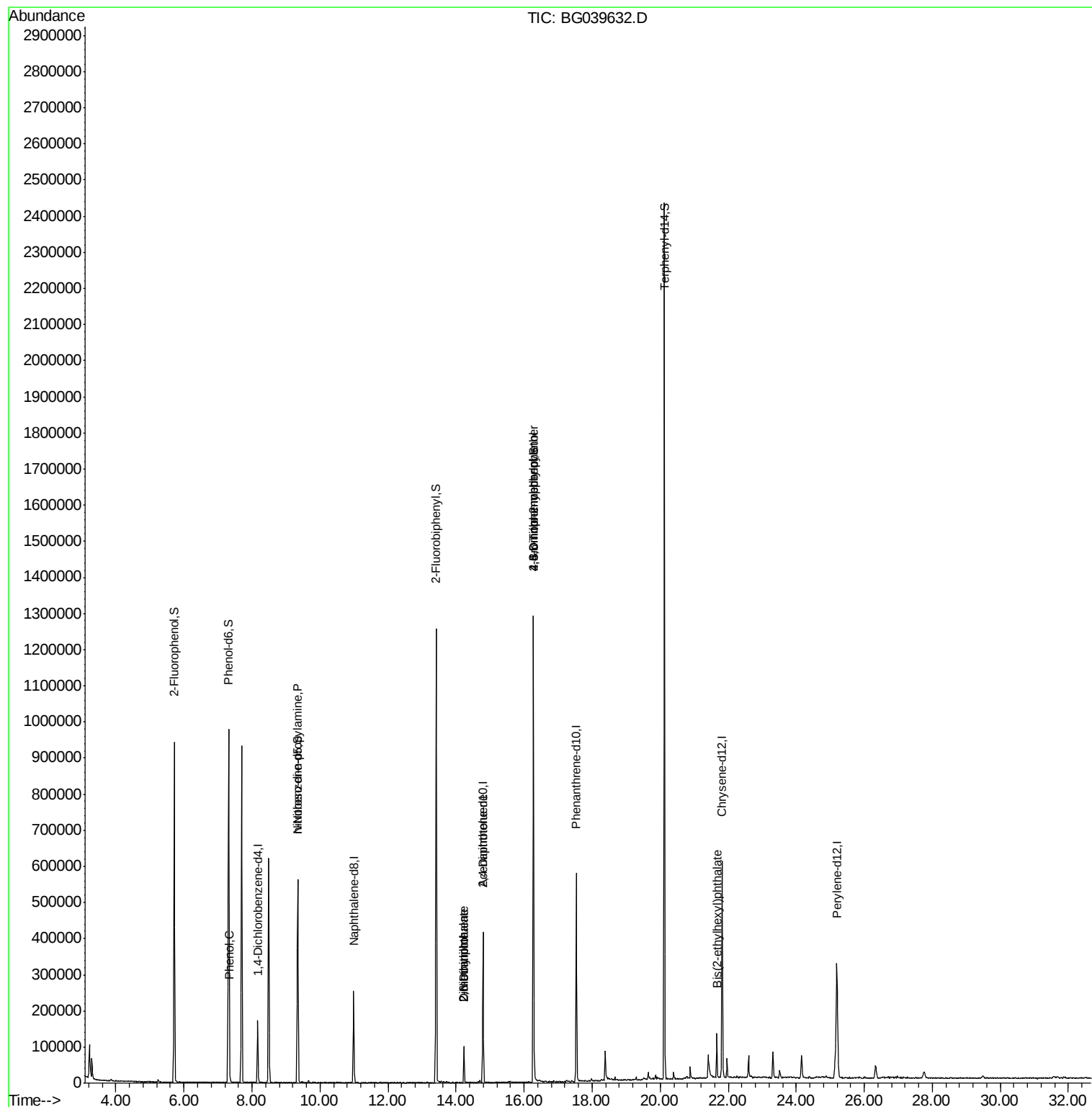
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1328	Below Cal		# 4
10) Phenol	7.34	94	11826	2.669	ng	95
19) n-Nitroso-di-n-propylamine	9.34	70	44151	14.635	ng	# 69
48) 2-Nitroaniline	14.23	65	718	8.524	ng	# 1
50) Dimethylphthalate	14.23	163	69243	5.904	ng	99
51) 2,6-Dinitrotoluene	14.23	165	861	6.898	ng	# 13
57) 2,4-Dinitrotoluene	14.79	165	18712	13.403	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.28	198	439	4.563	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	17558	4.383	ng	# 1
84) Bis(2-ethylhexyl)phthalate	21.67	149	51303	3.694	ng	96

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

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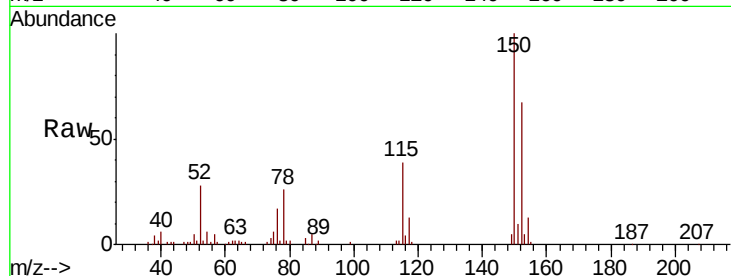


#1

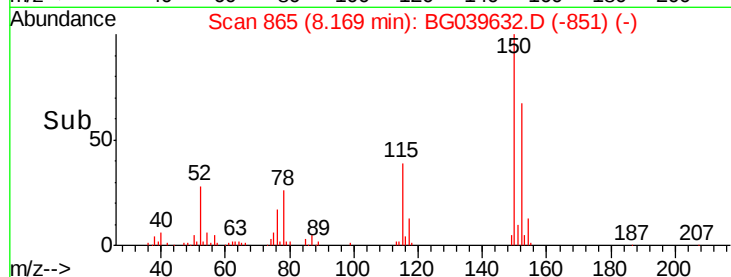
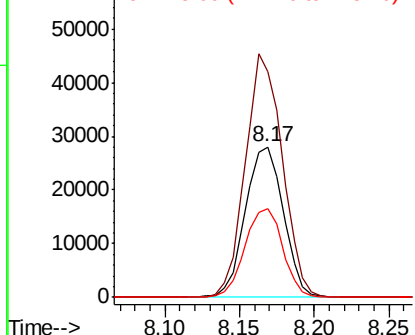
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039632.D
Acq: 27 Feb 2019 13:21

Instrument :
BNA_G
ClientSampleId :
B-1(4-5)

Tgt Ion:152 Resp: 49423
Ion Ratio Lower Upper
152 100
150 149.9 123.7 185.5
115 59.1 45.9 68.9



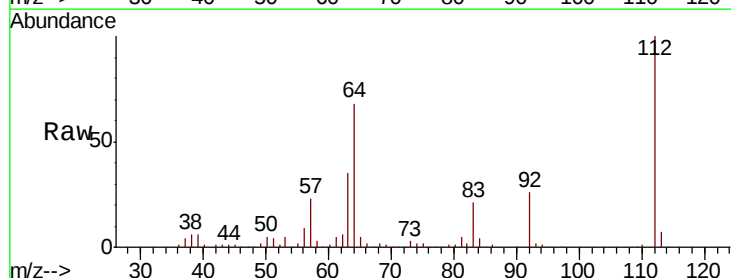
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



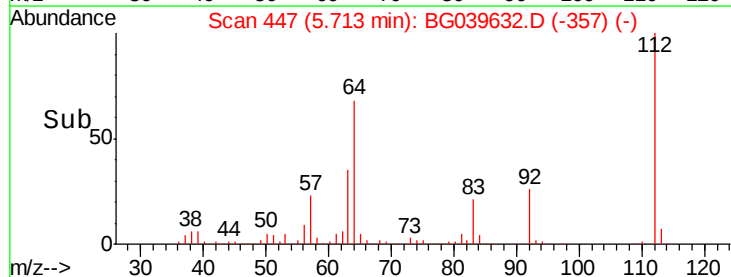
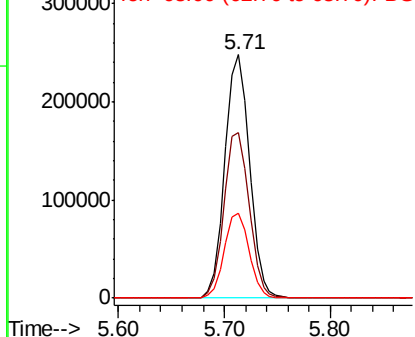
#5

2-Fluorophenol
Concen: 139.349 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039632.D
Acq: 27 Feb 2019 13:21

Tgt Ion:112 Resp: 402397
Ion Ratio Lower Upper
112 100
64 67.8 57.8 86.8
63 35.1 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: 136.213 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039632.D

Acq: 27 Feb 2019 13:21

Instrument :

BNA_G

ClientSampleId :

B-1(4-5)

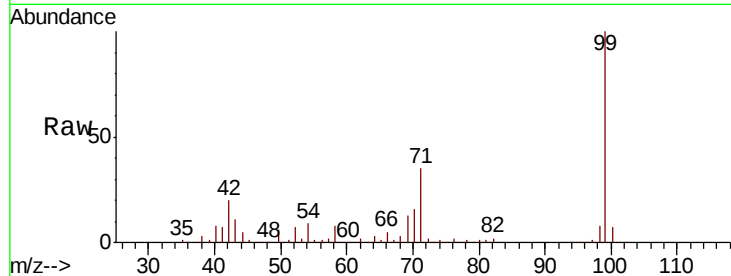
Tgt Ion: 99 Resp: 578988

Ion Ratio Lower Upper

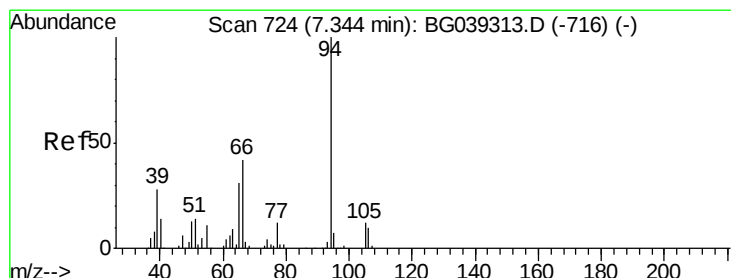
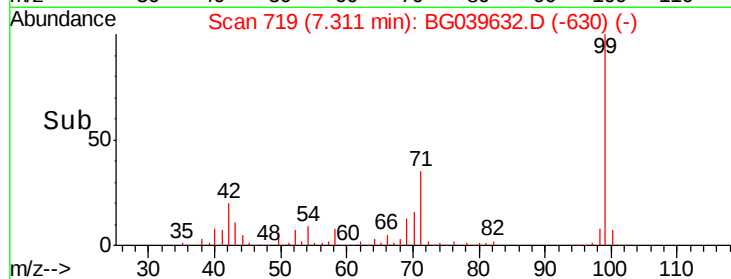
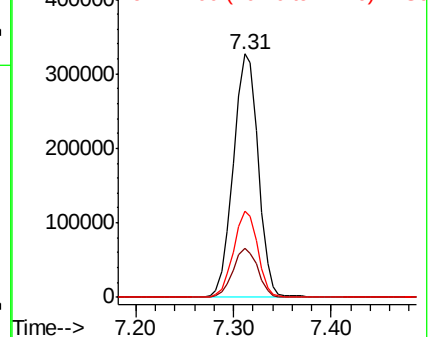
99 100

42 20.0 18.2 27.2

71 35.2 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



#10

Phenol

Concen: 2.669 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039632.D

Acq: 27 Feb 2019 13:21

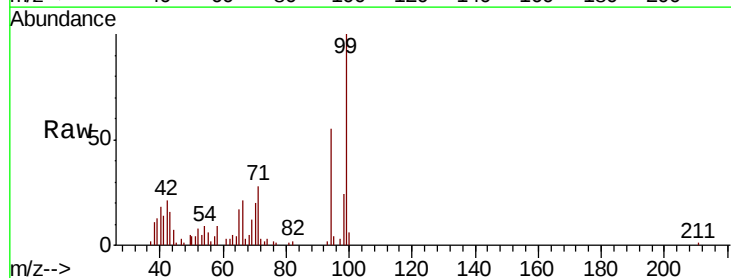
Tgt Ion: 94 Resp: 11826

Ion Ratio Lower Upper

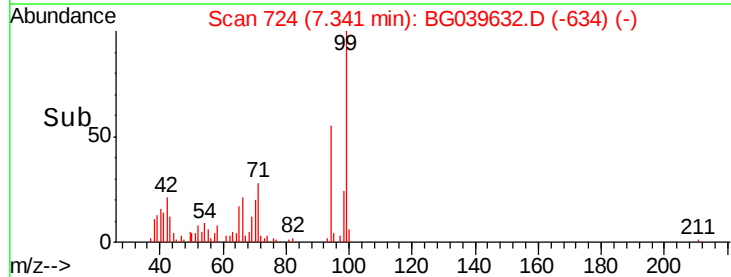
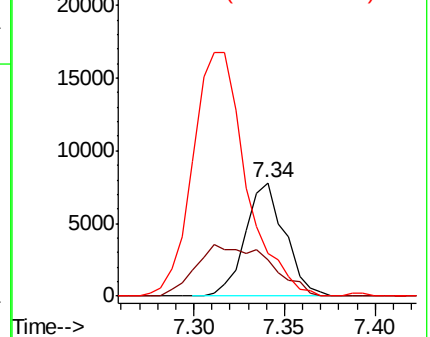
94 100

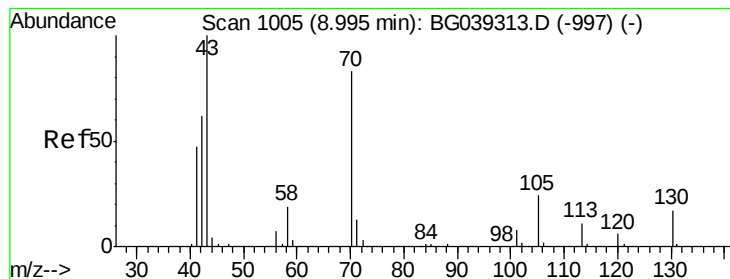
65 31.6 11.7 51.7

66 37.7 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 14.635 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039632.D

Acq: 27 Feb 2019 13:21

Instrument :

BNA_G

ClientSampleId :

B-1(4-5)

Tgt Ion: 70 Resp: 44151

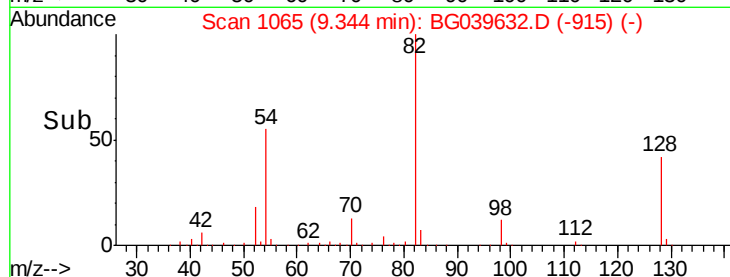
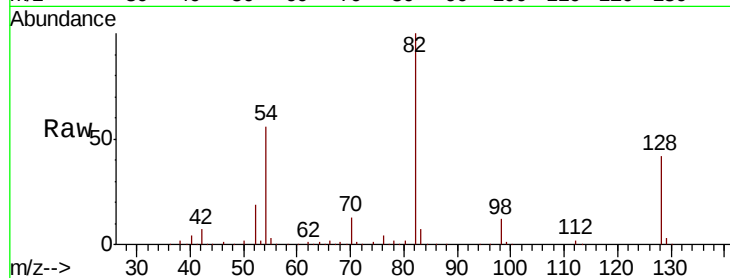
Ion Ratio Lower Upper

70 100

42 51.1 60.4 90.6#

101 0.0 7.5 11.3#

130 2.0 16.9 25.3#

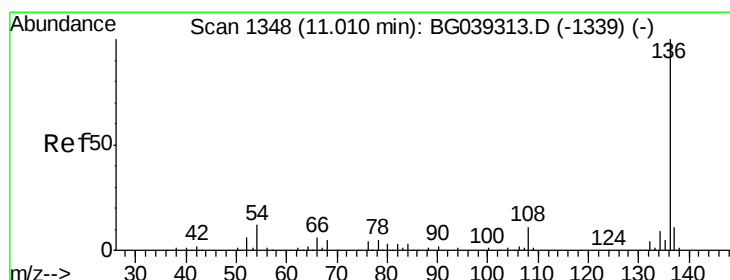
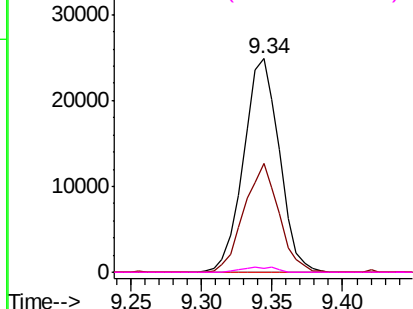


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.99 min Scan# 1345

Delta R.T. -0.02 min

Lab File: BG039632.D

Acq: 27 Feb 2019 13:21

Tgt Ion: 136 Resp: 208527

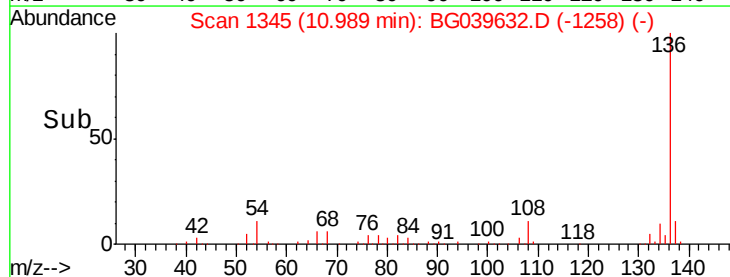
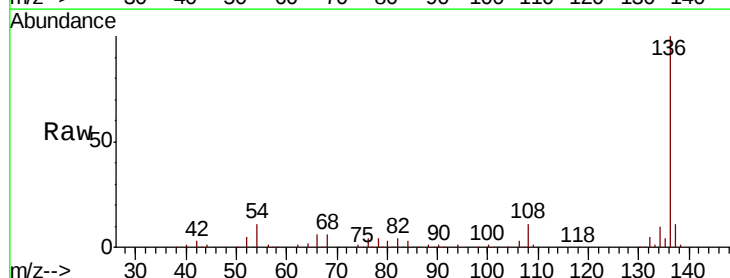
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 10.5 9.4 14.2

68 6.0 4.2 6.4

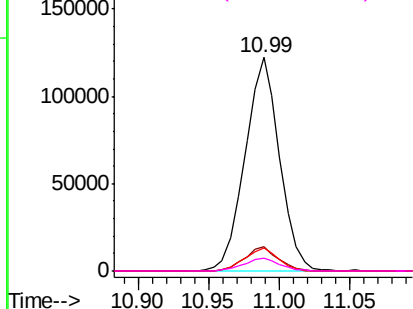


Abundance Ion 136.00 (135.70 to 136.70): BGC

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

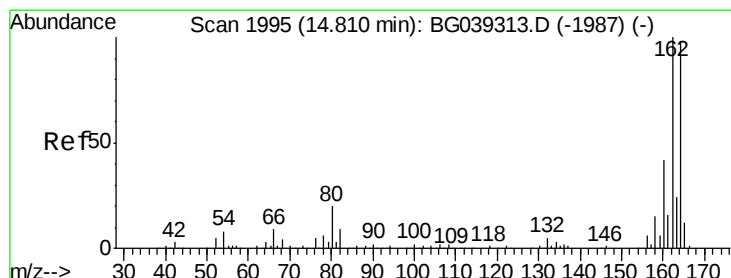
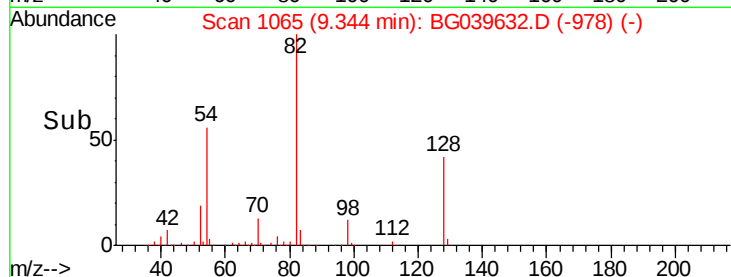
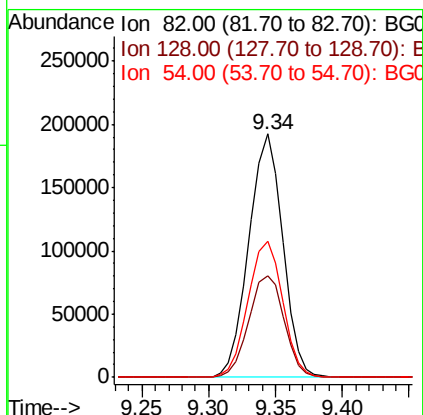
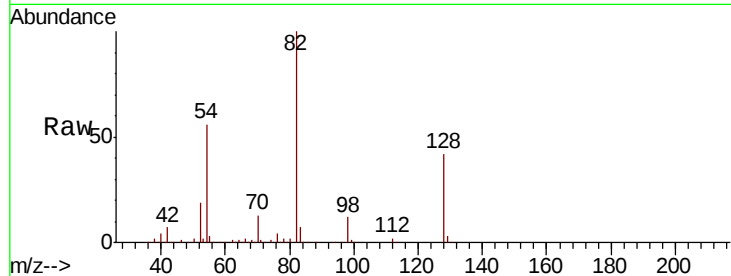




#23
 Nitrobenzene-d5
 Concen: 101.348 ng
 RT: 9.34 min Scan# 1065
 Delta R.T. -0.02 min
 Lab File: BG039632.D
 Acq: 27 Feb 2019 13:21

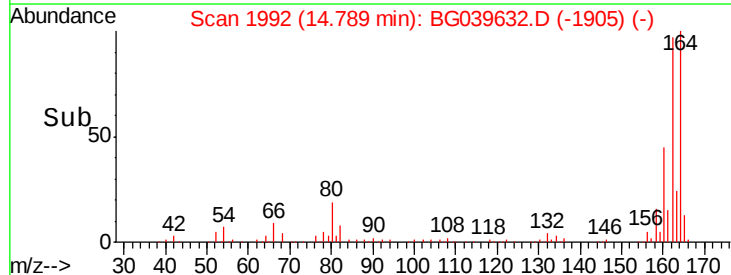
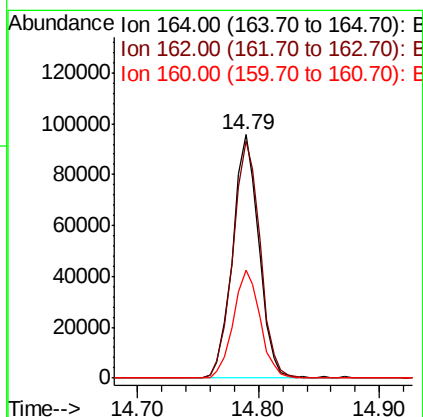
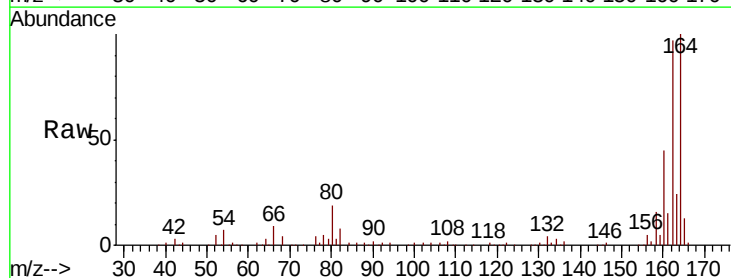
Instrument :
 BNA_G
 ClientSampleId :
 B-1(4-5)

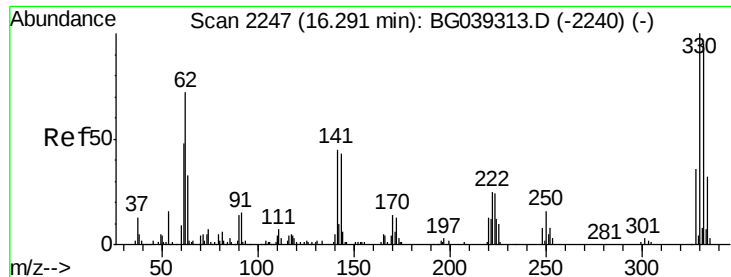
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.8	31.3	46.9
54	55.7	50.9	76.3



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.02 min
 Lab File: BG039632.D
 Acq: 27 Feb 2019 13:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.3	81.6	122.4
160	44.6	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 144.576 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039632.D

Acq: 27 Feb 2019 13:21

Instrument :

BNA_G

ClientSampleId :

B-1(4-5)

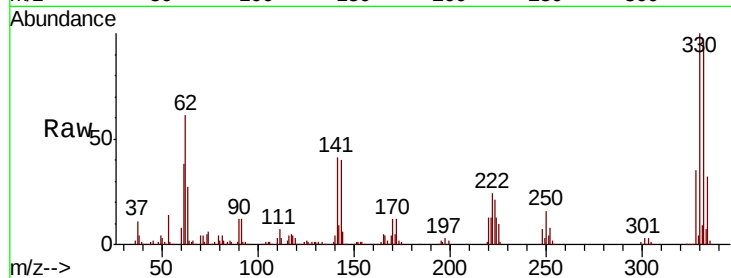
Tgt Ion:330 Resp: 226092

Ion Ratio Lower Upper

330 100

332 95.9 75.7 113.5

141 41.1 35.6 53.4

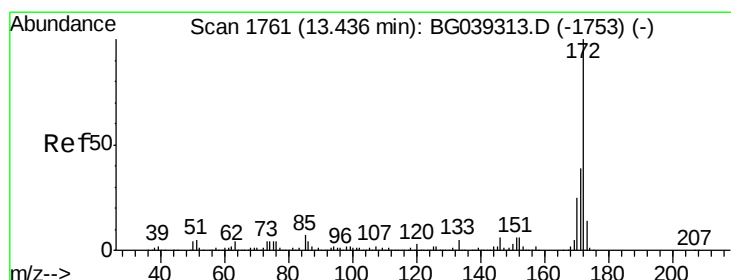
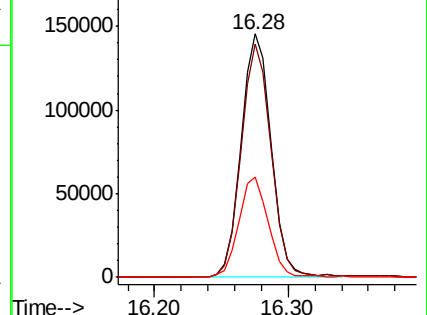
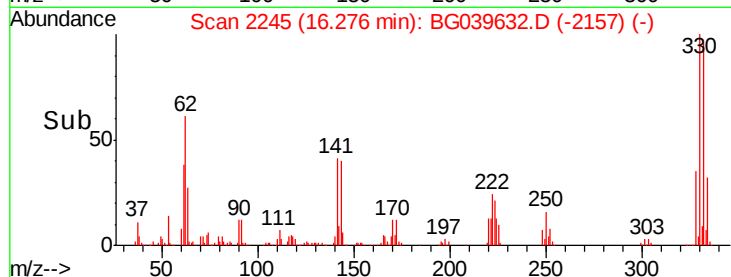


Abundance

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: 65.736 ng

RT: 13.41 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039632.D

Acq: 27 Feb 2019 13:21

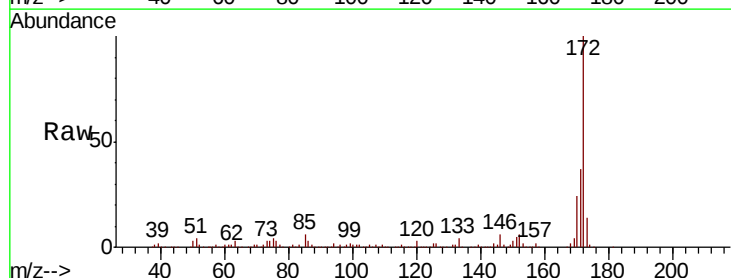
Tgt Ion:172 Resp: 665473

Ion Ratio Lower Upper

172 100

171 37.2 30.8 46.2

170 24.0 20.2 30.4

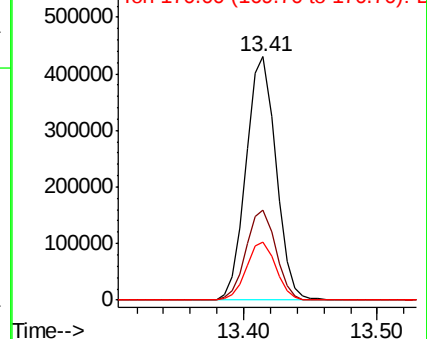
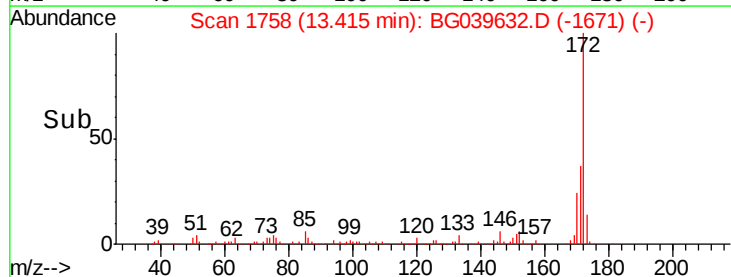


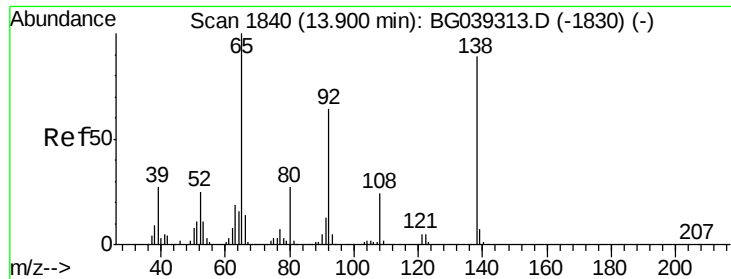
Abundance

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

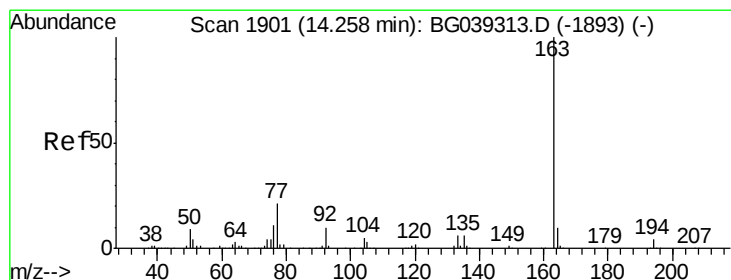
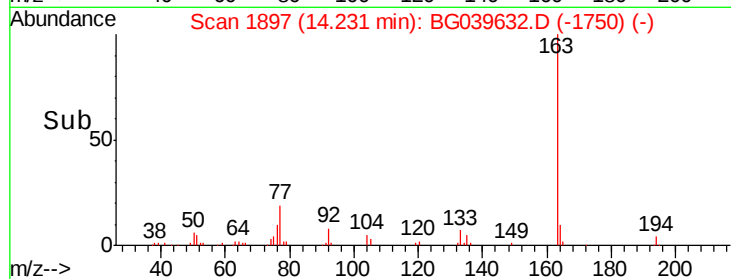
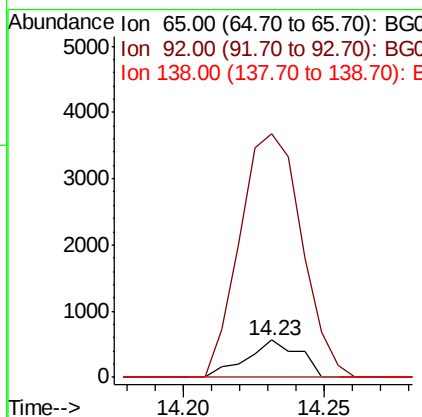
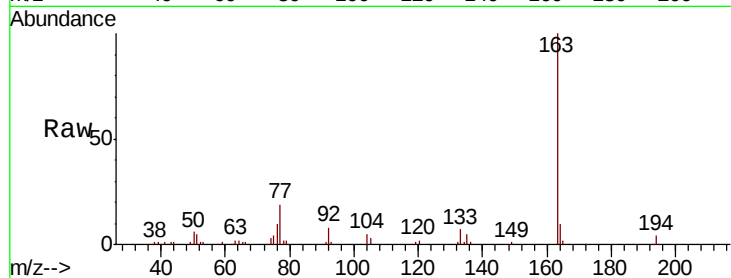




#48
2-Nitroaniline
Concen: 8.524 ng
RT: 14.23 min Scan# 1897
Delta R.T. 0.33 min
Lab File: BG039632.D
Acq: 27 Feb 2019 13:21

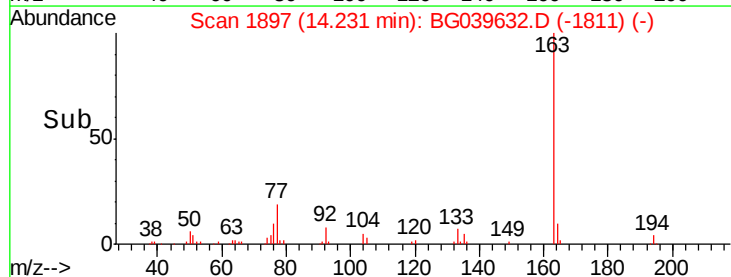
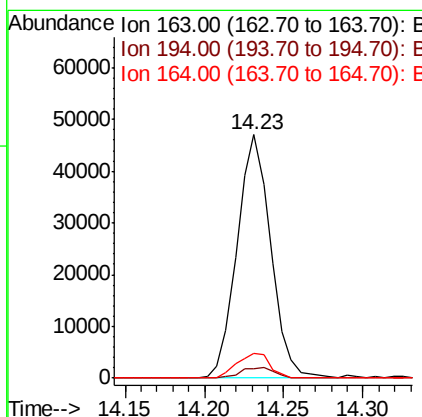
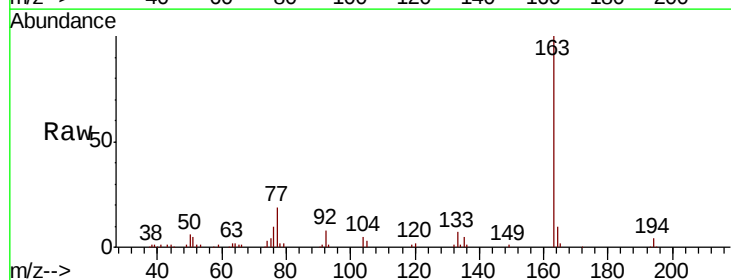
Instrument :
BNA_G
ClientSampleId :
B-1(4-5)

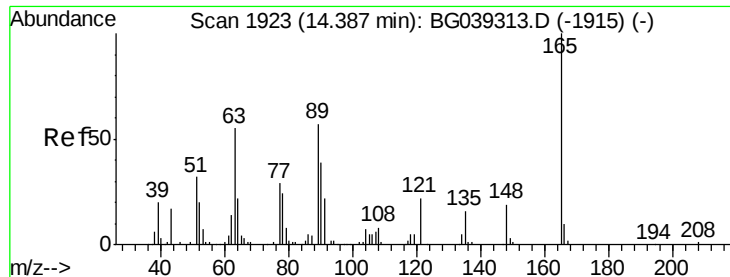
Tgt Ion: 65 Resp: 718
Ion Ratio Lower Upper
65 100
92 659.0 51.4 77.2#
138 0.0 71.4 107.2#



#50
Dimethylphthalate
Concen: 5.904 ng
RT: 14.23 min Scan# 1897
Delta R.T. -0.03 min
Lab File: BG039632.D
Acq: 27 Feb 2019 13:21

Tgt Ion: 163 Resp: 69243
Ion Ratio Lower Upper
163 100
194 4.0 3.6 5.4
164 10.1 8.4 12.6

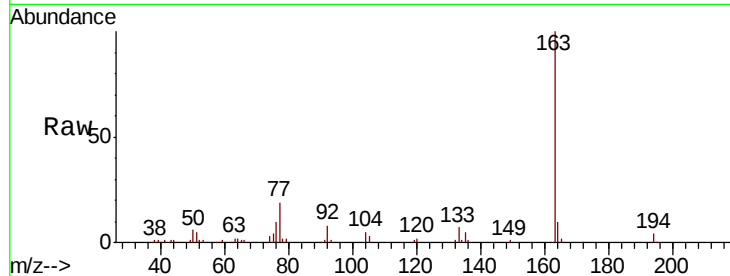




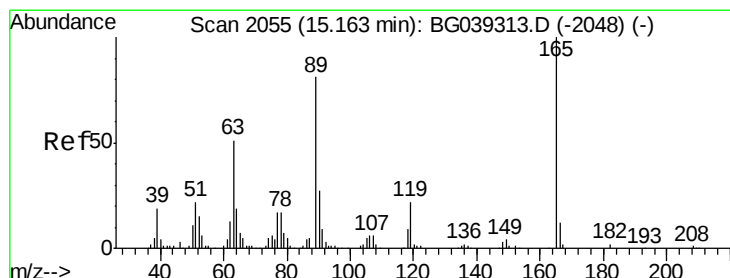
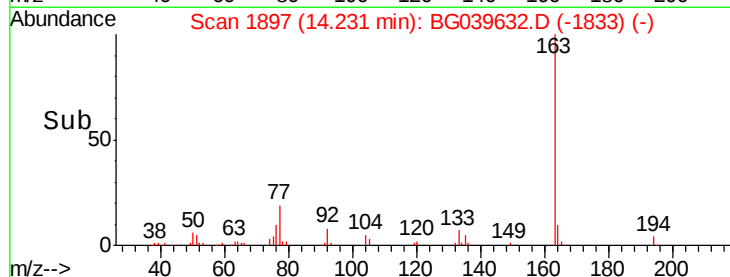
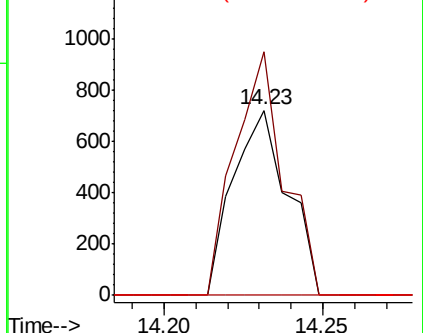
#51
 2,6-Dinitrotoluene
 Concen: 6.898 ng
 RT: 14.23 min Scan# 1897
 Delta R.T. -0.16 min
 Lab File: BG039632.D
 Acq: 27 Feb 2019 13:21

Instrument :
 BNA_G
 ClientSampleId :
 B-1(4-5)

Tgt Ion:165 Resp: 861
 Ion Ratio Lower Upper
 165 100
 63 131.4 47.0 70.6#
 89 0.0 45.8 68.8#

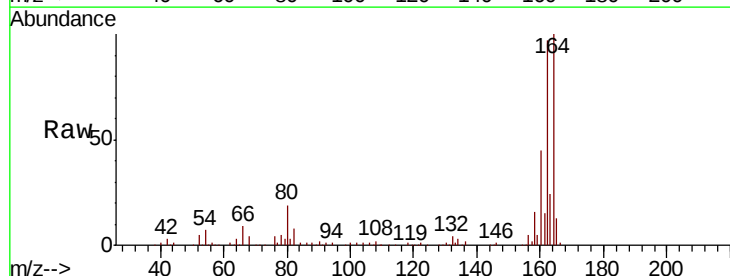


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

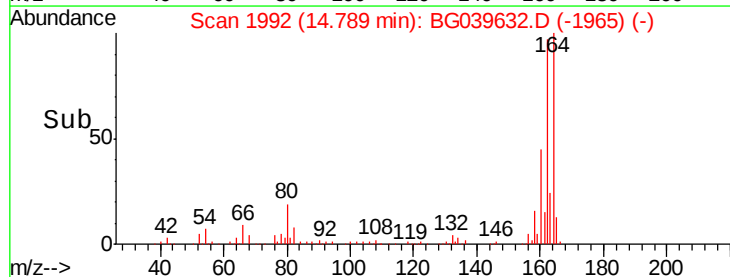
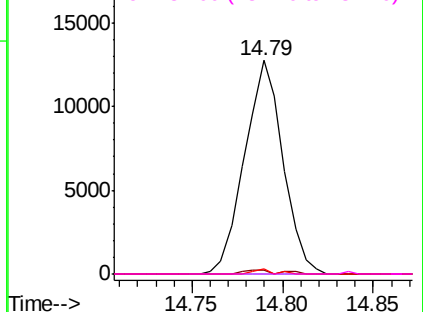


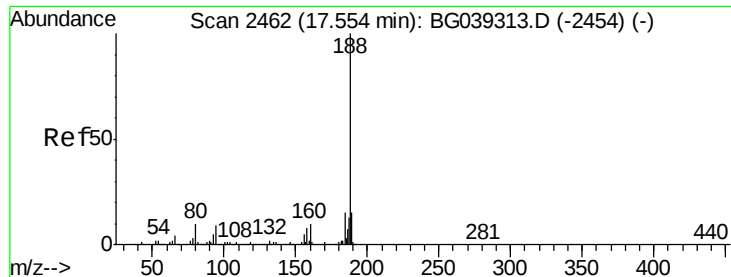
#57
 2,4-Dinitrotoluene
 Concen: 13.403 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039632.D
 Acq: 27 Feb 2019 13:21

Tgt Ion:165 Resp: 18712
 Ion Ratio Lower Upper
 165 100
 63 1.6 41.0 61.6#
 89 2.3 64.6 96.8#
 182 0.0 2.0 3.0#



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# 2459

Delta R.T. -0.02 min

Lab File: BG039632.D

Acq: 27 Feb 2019 13:21

Instrument :

BNA_G

ClientSampleId :

B-1(4-5)

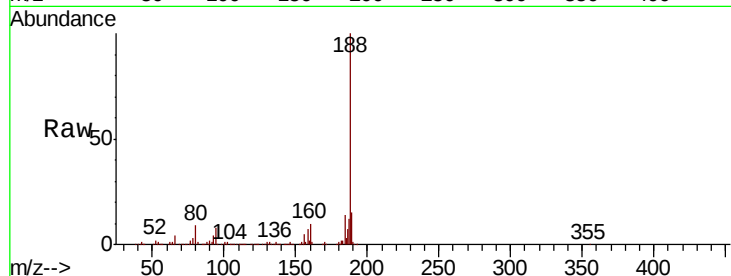
Tgt Ion:188 Resp: 361114

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

80 9.3 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

300000

250000

200000

150000

100000

50000

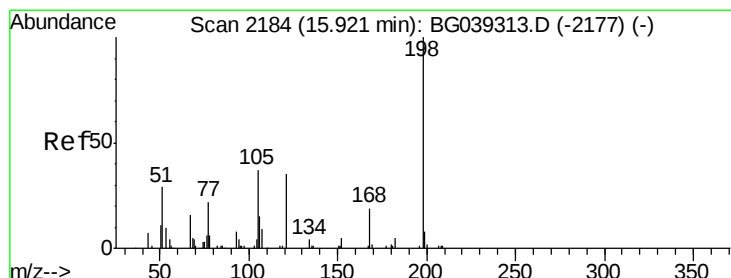
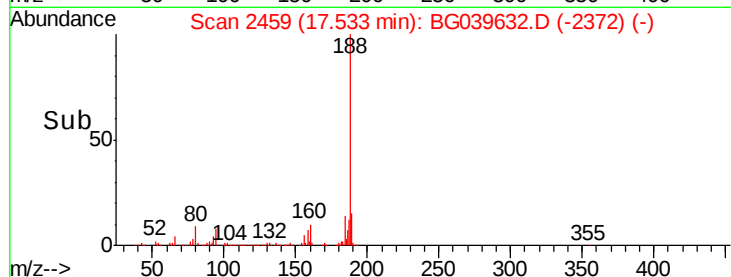
0

17.53

17.50

17.60

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.563 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039632.D

Acq: 27 Feb 2019 13:21

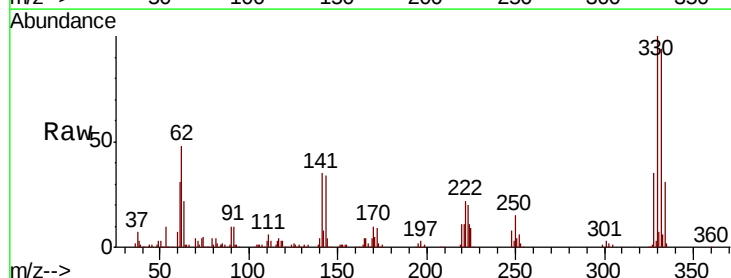
Tgt Ion:198 Resp: 439

Ion Ratio Lower Upper

198 100

51 87.9 27.4 67.4#

105 149.8 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

1200

1000

800

600

400

200

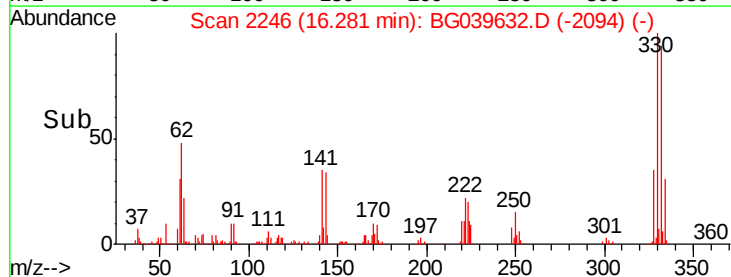
0

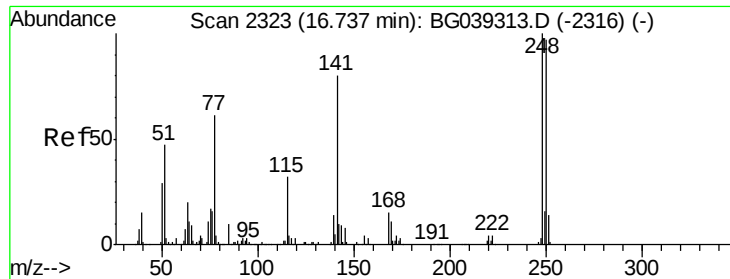
16.28

16.26

16.30

Time-->

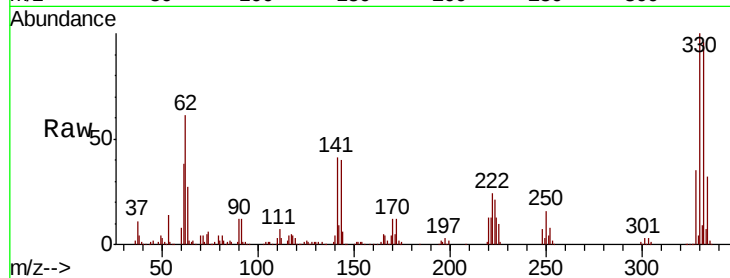




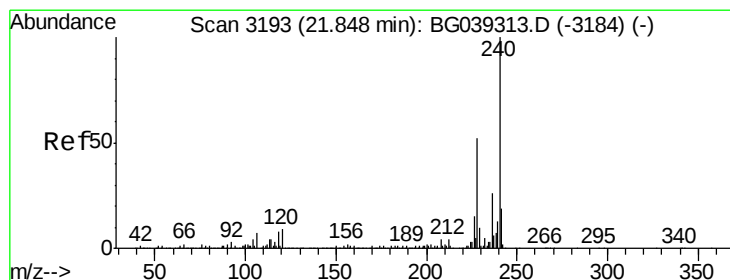
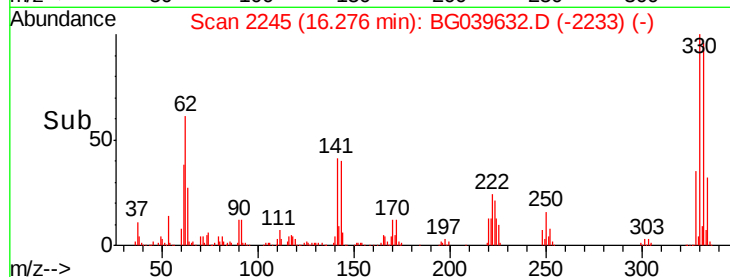
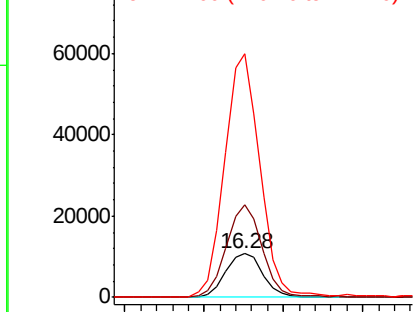
#67
 4-Bromophenyl-phenylether
 Concen: 4.383 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039632.D
 Acq: 27 Feb 2019 13:21

Instrument :
 BNA_G
 ClientSampleId :
 B-1(4-5)

Tgt Ion:248 Resp: 17558
 Ion Ratio Lower Upper
 248 100
 250 210.3 77.6 116.4#
 141 555.9 63.9 95.9#

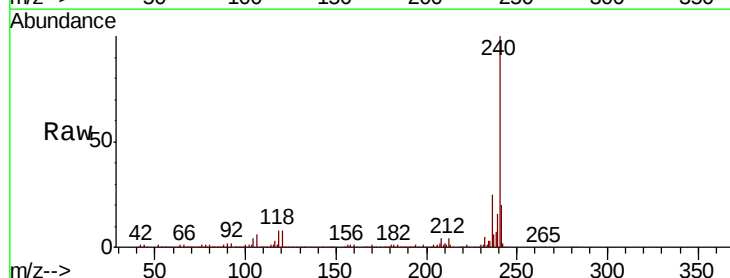


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

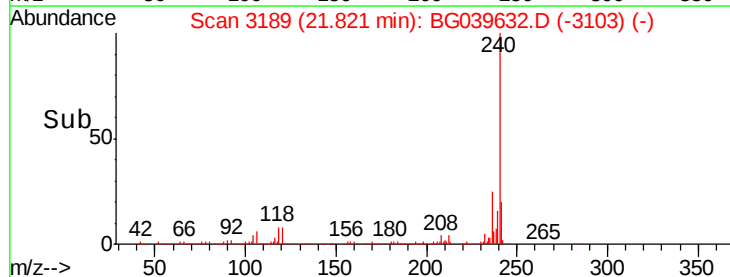
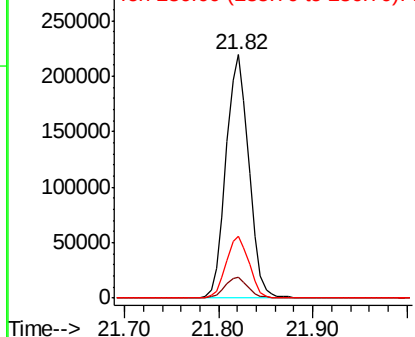


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039632.D
 Acq: 27 Feb 2019 13:21

Tgt Ion:240 Resp: 370741
 Ion Ratio Lower Upper
 240 100
 120 8.4 7.0 10.6
 236 25.2 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 66.336 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039632.D

Acq: 27 Feb 2019 13:21

Instrument :

BNA_G

ClientSampled :

B-1(4-5)

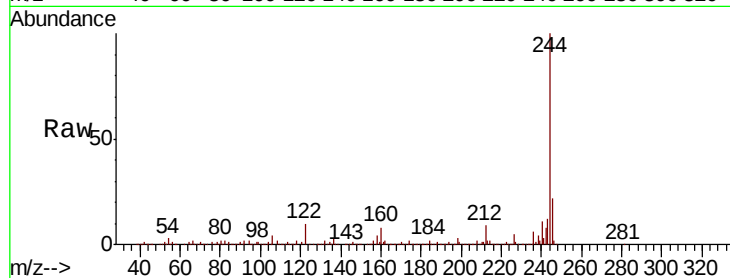
Tgt Ion:244 Resp: 1161884

Ion Ratio Lower Upper

244 100

212 8.8 7.3 10.9

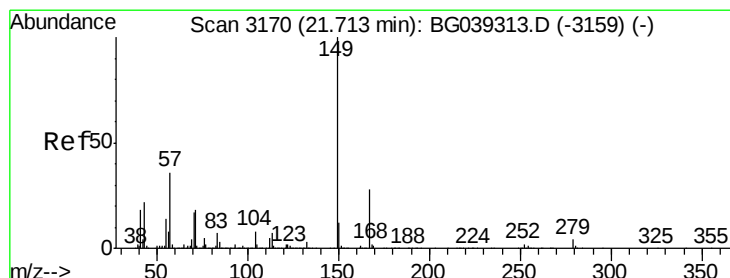
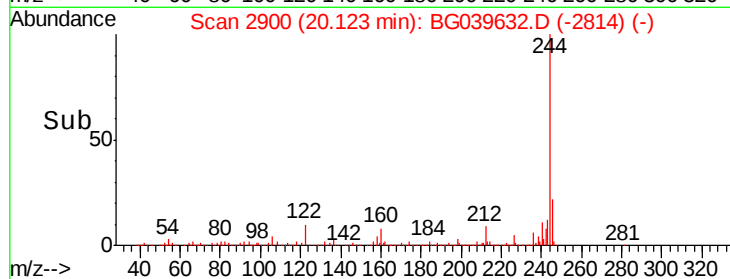
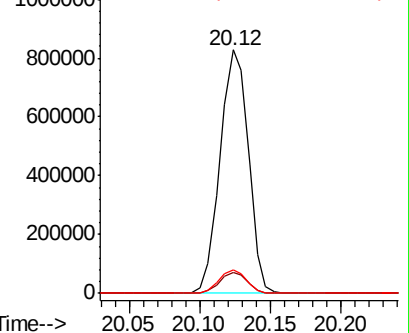
122 9.8 8.4 12.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.694 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.04 min

Lab File: BG039632.D

Acq: 27 Feb 2019 13:21

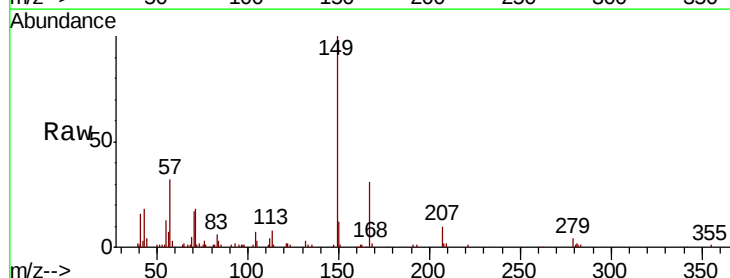
Tgt Ion:149 Resp: 51303

Ion Ratio Lower Upper

149 100

167 30.8 22.6 34.0

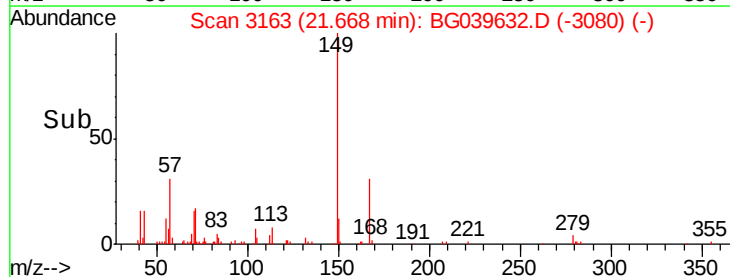
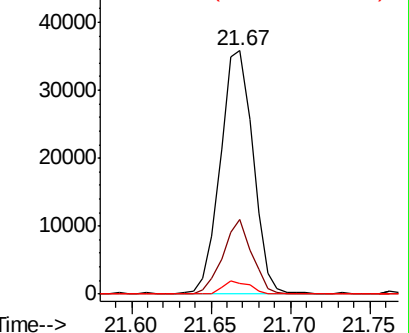
279 4.3 3.5 5.3

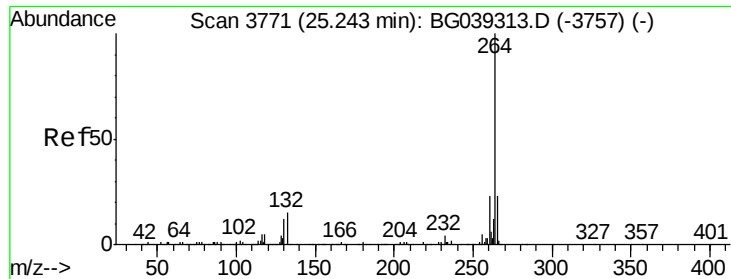


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3763
Delta R.T. -0.05 min
Lab File: BG039632.D
Acq: 27 Feb 2019 13:21

Instrument :
BNA_G
ClientSampleId :
B-1(4-5)

Tgt Ion: 264 Resp: 374772
Ion Ratio Lower Upper
264 100
260 23.9 18.2 27.4
265 22.2 18.5 27.7

