

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030119\
 Data File : BG039714.D
 Acq On : 2 Mar 2019 8:45
 Operator : JU/SJ
 Sample : K1665-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 23:48:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 06:15:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	50941	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	218838	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	149137	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	360227	20.00	ng	0.00
76) Chrysene-d12	21.82	240	359300	20.00	ng	0.00
87) Perylene-d12	25.20	264	344101	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	226004	75.93	ng	0.00
7) Phenol-d6	7.31	99	304635	69.53	ng	0.00
23) Nitrobenzene-d5	9.34	82	216234	61.73	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	114997	71.61	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	528313	50.82	ng	0.00
79) Terphenyl-d14	20.12	244	872714	51.41	ng	0.00

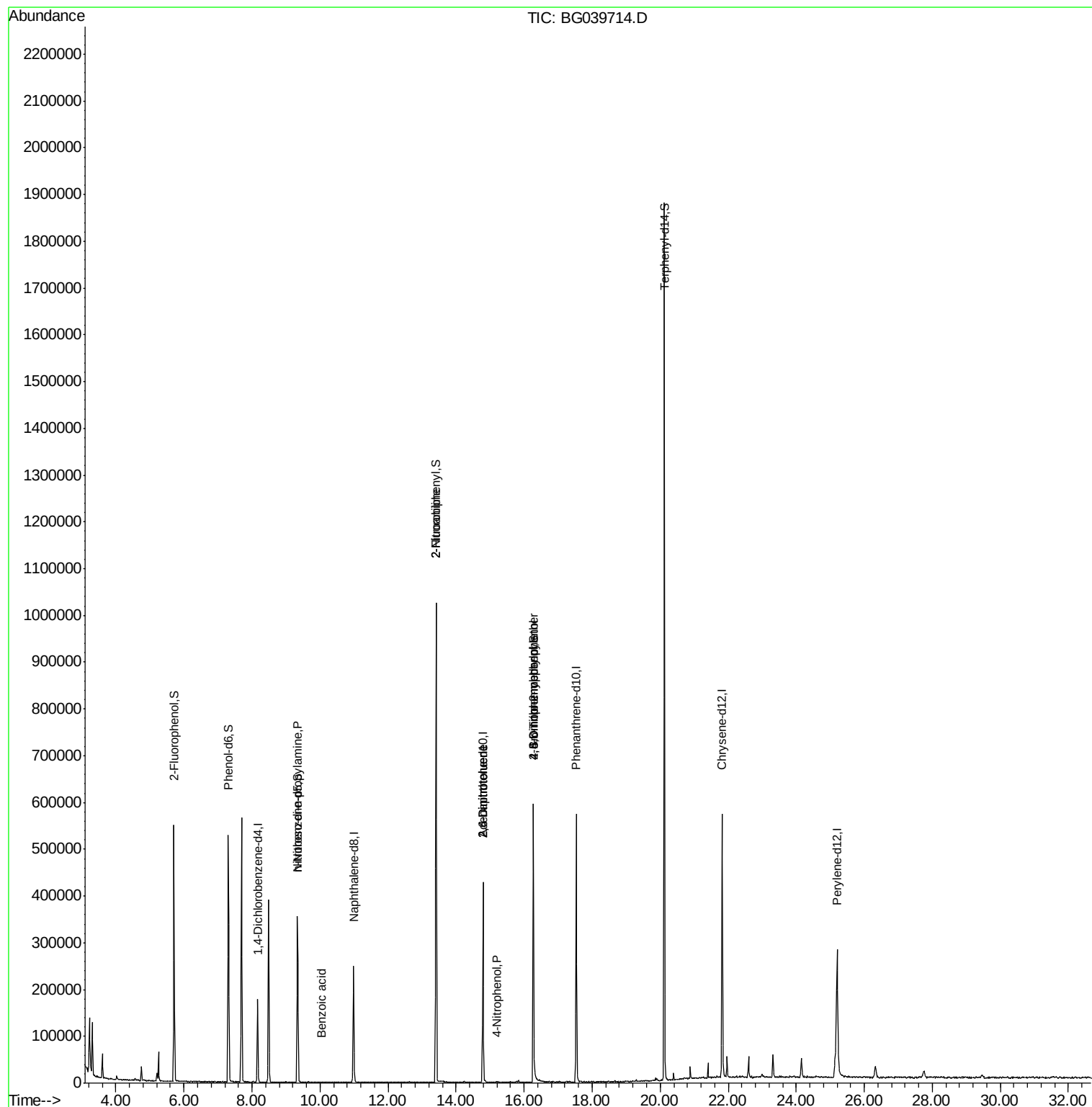
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	521	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	27624	8.884	ng	# 72
32) Benzoic acid	10.04	122	73	9.050	ng	# 1
48) 2-Nitroaniline	13.41	65	742	8.525	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	18674	13.721	ng	# 23
56) 4-Nitrophenol	15.20	139	323	5.931	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	18674	13.246	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.27	198	411	4.539	ng	# 11
67) 4-Bromophenyl-phenylether	16.28	248	8870	2.220	ng	# 1

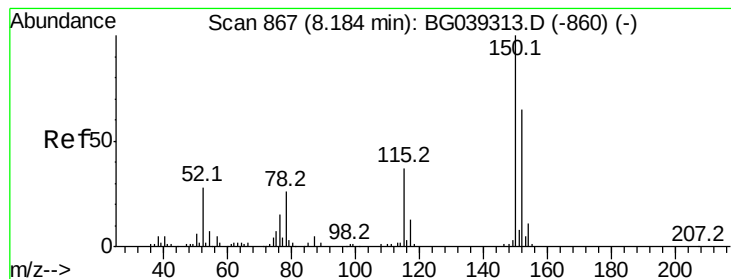
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 01 06:15:02 2019
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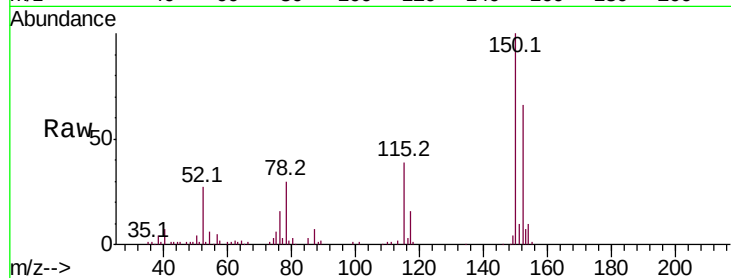


#1

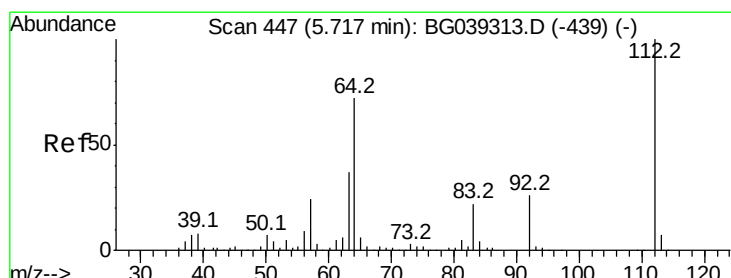
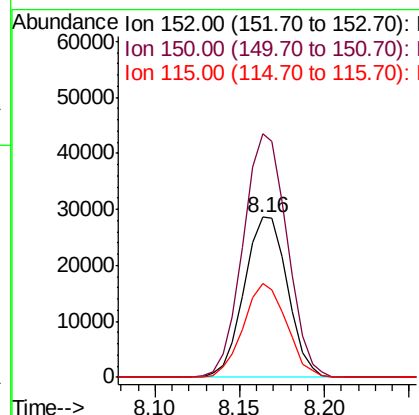
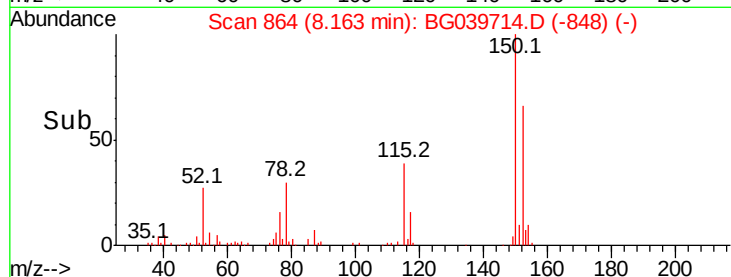
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039714.D
Acq: 2 Mar 2019 8:45

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 50941
Ion Ratio Lower Upper
152 100
150 152.2 123.7 185.5
115 58.8 45.9 68.9



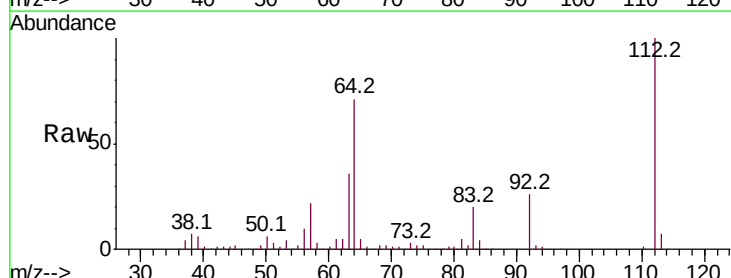
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



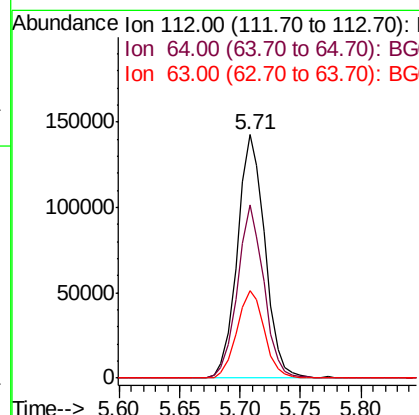
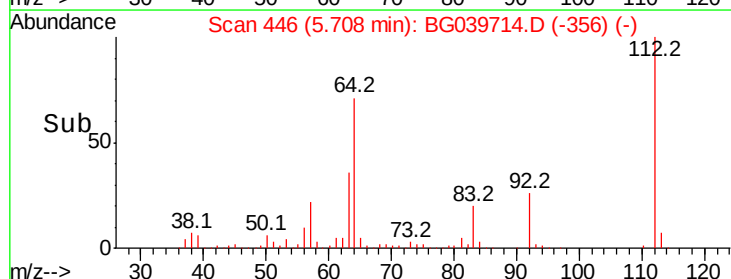
#5

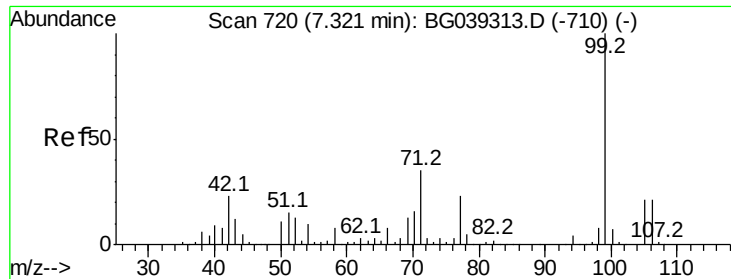
2-Fluorophenol
Concen: 75.933 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.00 min
Lab File: BG039714.D
Acq: 2 Mar 2019 8:45

Tgt Ion:112 Resp: 226004
Ion Ratio Lower Upper
112 100
64 71.2 57.8 86.8
63 36.1 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 69.533 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039714.D

Acq: 2 Mar 2019 8:45

Instrument :

BNA_G

ClientSampled :

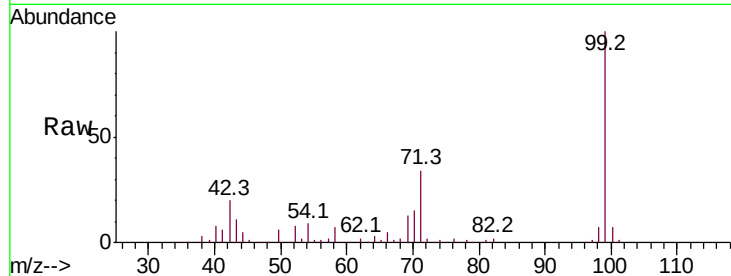
Tot Ion: 99 Resp: 304635

Ion Ratio Lower Upper

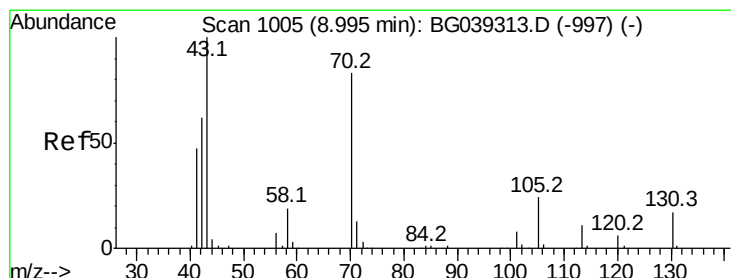
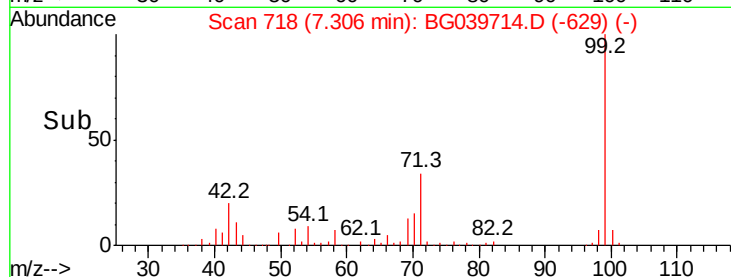
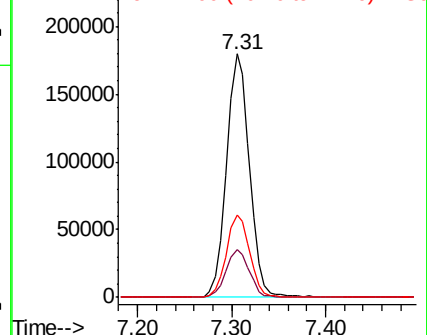
99 100

42 19.6 18.2 27.2

71 33.8 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: 8.884 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039714.D

Acq: 2 Mar 2019 8:45

Tgt Ion: 70 Resp: 27624

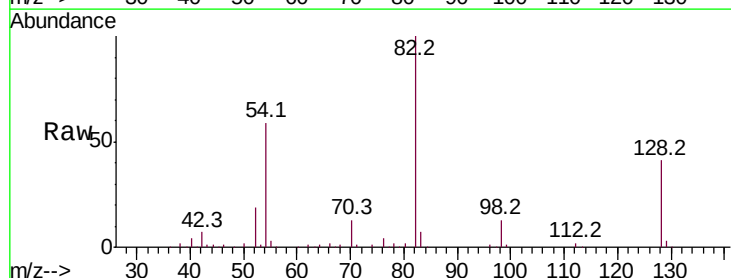
Ion Ratio Lower Upper

70 100

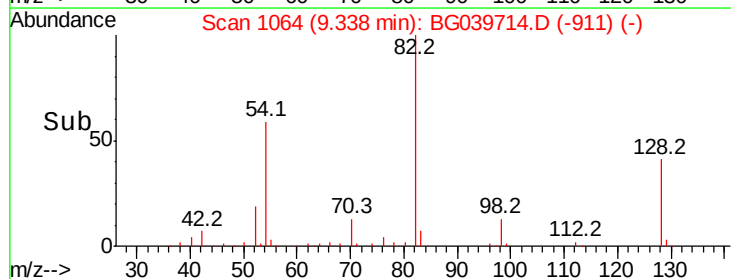
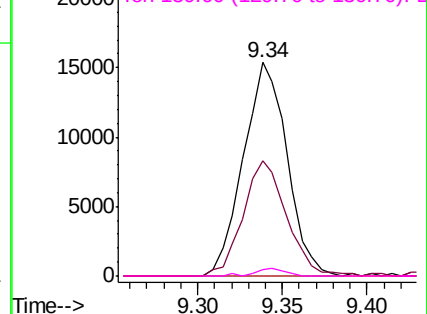
42 54.0 60.4 90.6#

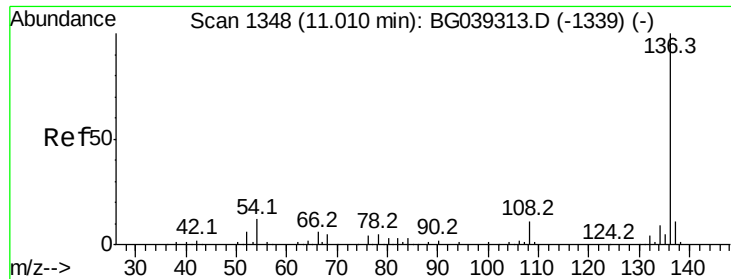
101 0.0 7.5 11.3#

130 2.8 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

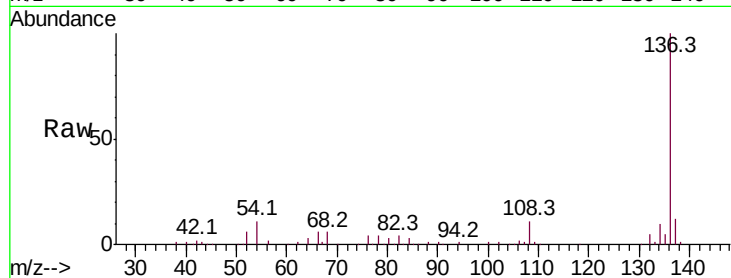




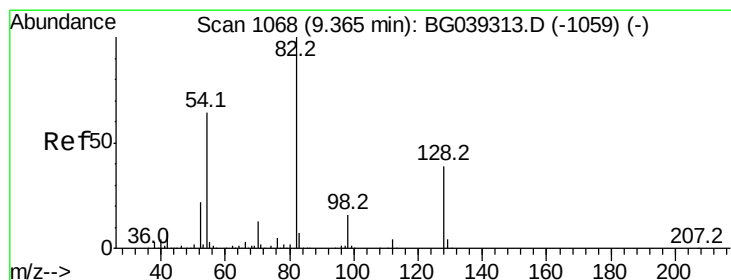
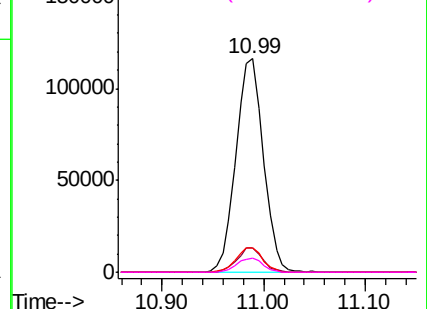
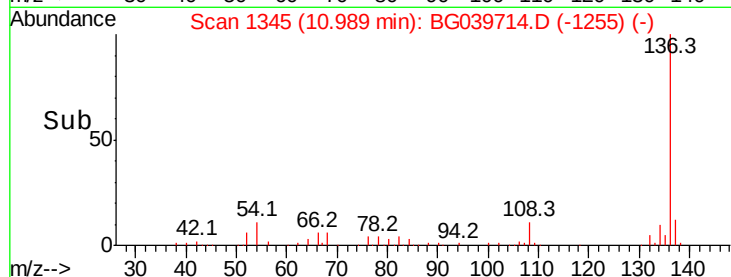
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BG039714.D
Acq: 2 Mar 2019 8:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	218838
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	11.1	9.4	14.2
68	6.3	4.2	6.4

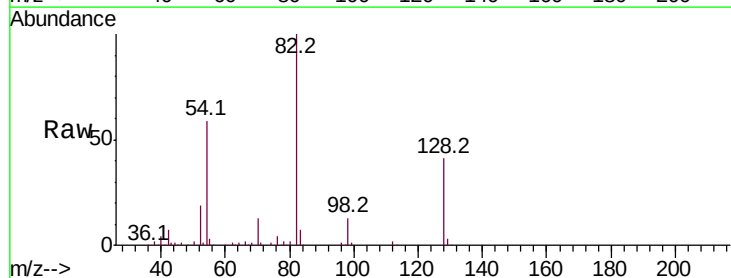


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

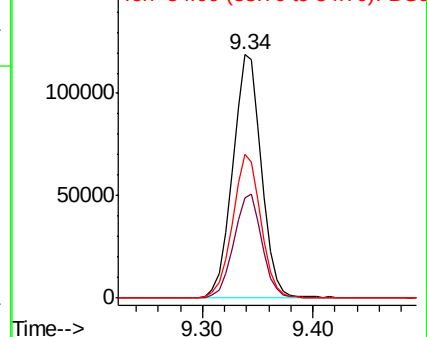
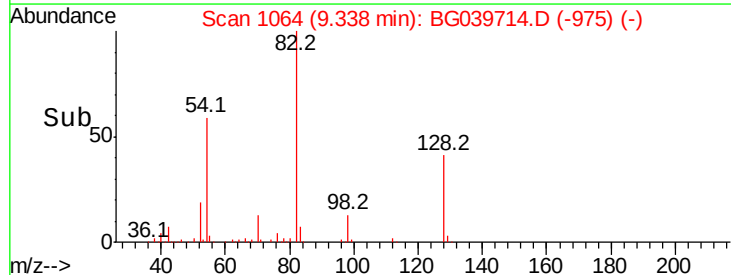


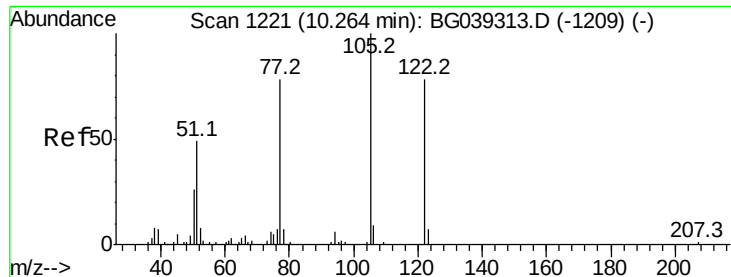
#23
Nitrobenzene-d5
Concen: 61.728 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG039714.D
Acq: 2 Mar 2019 8:45

Tgt Ion:	82	Resp:	216234
Ion	Ratio	Lower	Upper
82	100		
128	41.1	31.3	46.9
54	58.8	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: 9.050 ng

RT: 10.04 min Scan# 1183

Delta R.T. -0.22 min

Lab File: BG039714.D

Acq: 2 Mar 2019 8:45

Instrument :

BNA_G

ClientSampled :

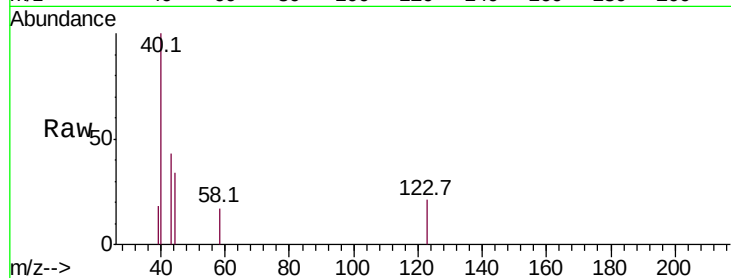
Tot Ion:122 Resp: 73

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

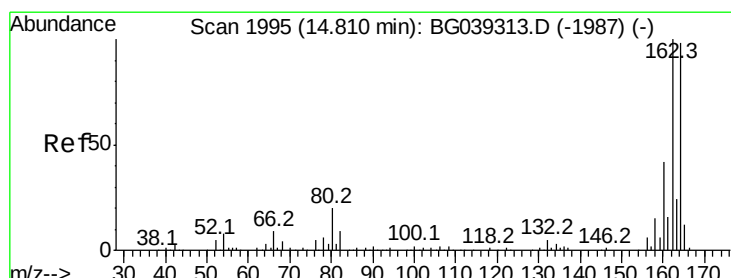
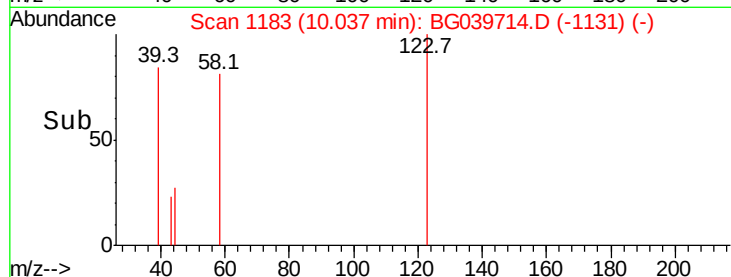
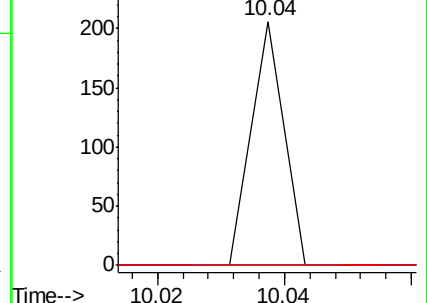
77 0.0 76.3 116.3#



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 77.30): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BG039714.D

Acq: 2 Mar 2019 8:45

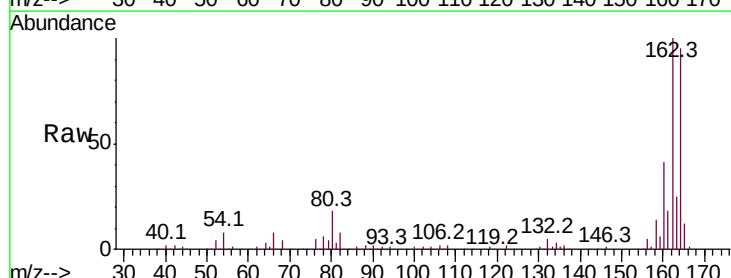
Tgt Ion:164 Resp: 149137

Ion Ratio Lower Upper

164 100

162 105.7 81.6 122.4

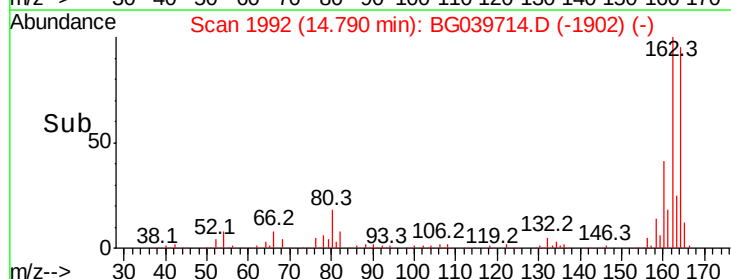
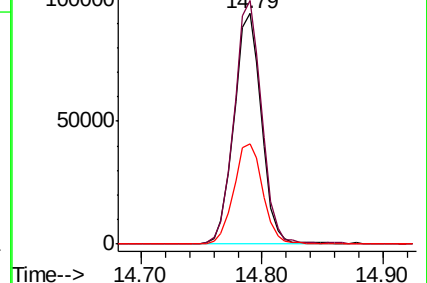
160 43.4 34.2 51.2

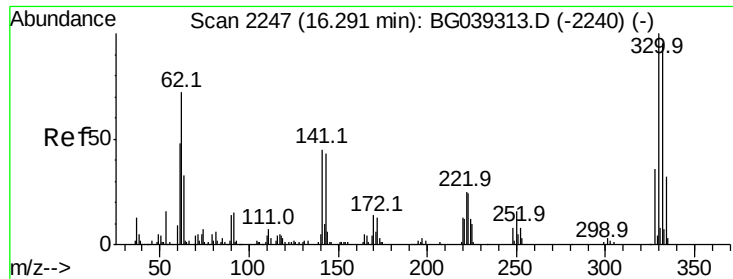


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

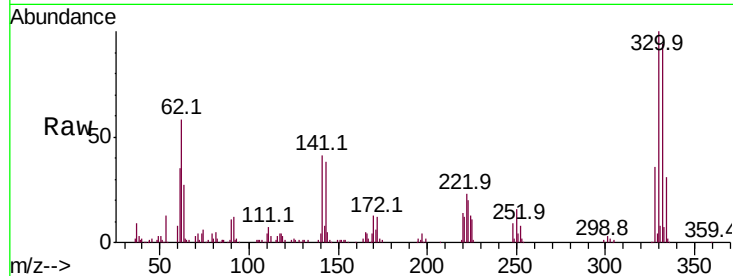




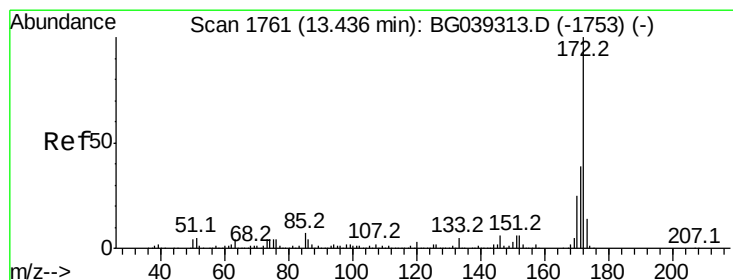
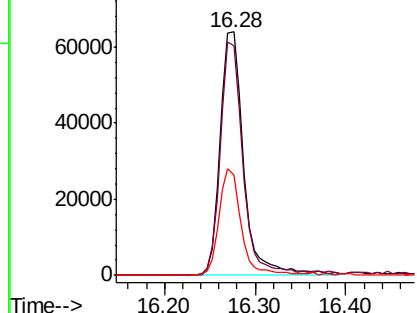
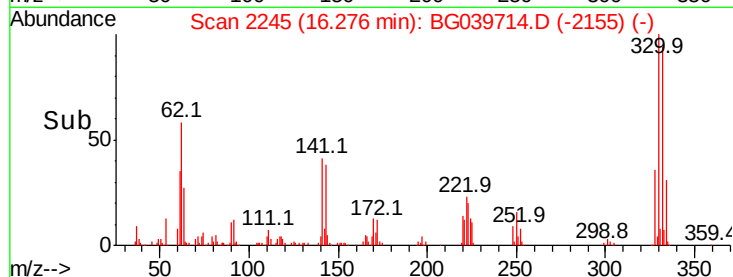
#42
 2,4,6-Tribromophenol
 Concen: 71.607 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: BG039714.D
 Acq: 2 Mar 2019 8:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 114997
 Ion Ratio Lower Upper
 330 100
 332 93.5 75.7 113.5
 141 40.7 35.6 53.4

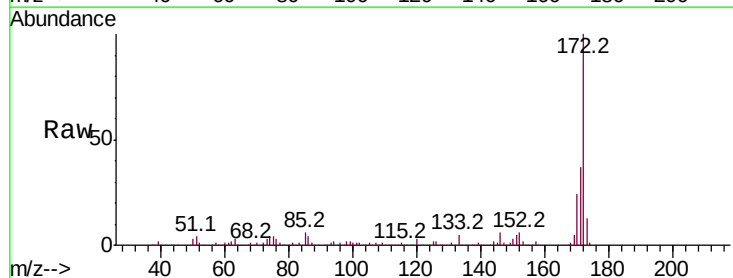


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

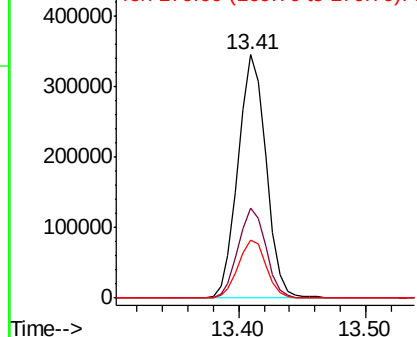
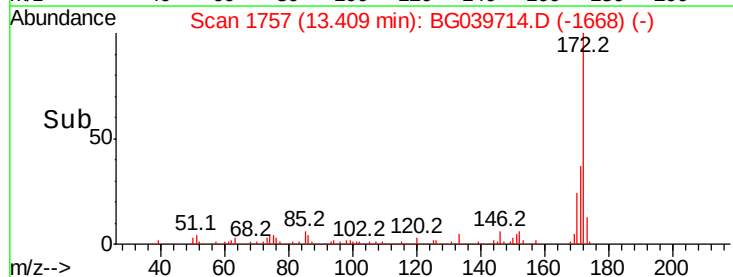


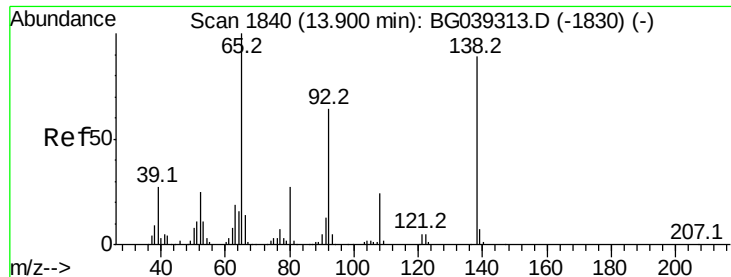
#45
 2-Fluorobiphenyl
 Concen: 50.818 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BG039714.D
 Acq: 2 Mar 2019 8:45

Tgt Ion:172 Resp: 528313
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.8 46.2
 170 24.1 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: 8.525 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.47 min

Lab File: BG039714.D

Acq: 2 Mar 2019 8:45

Instrument :

BNA_G

ClientSampleId :

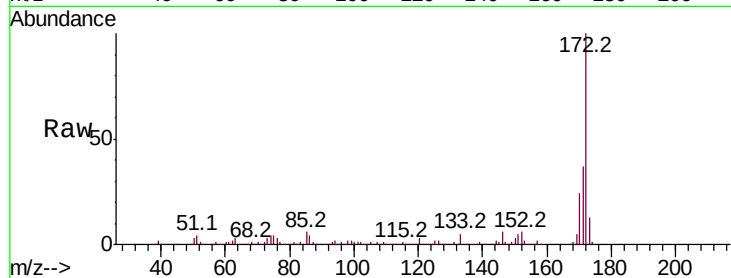
Tot Ion: 65 Resp: 742

Ion Ratio Lower Upper

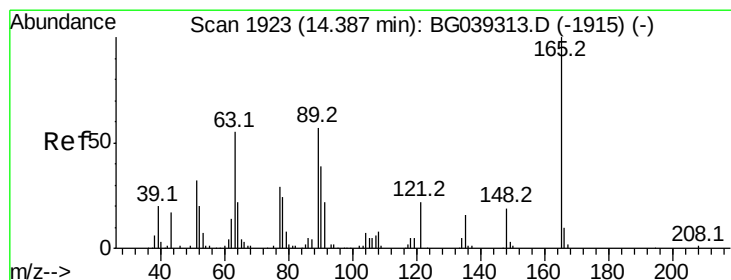
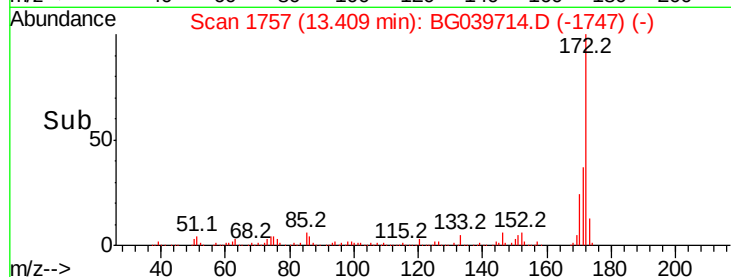
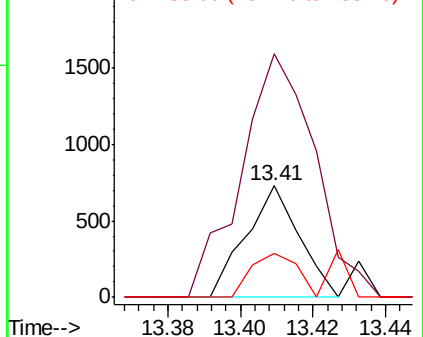
65 100

92 219.0 51.4 77.2#

138 39.3 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 13.721 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.42 min

Lab File: BG039714.D

Acq: 2 Mar 2019 8:45

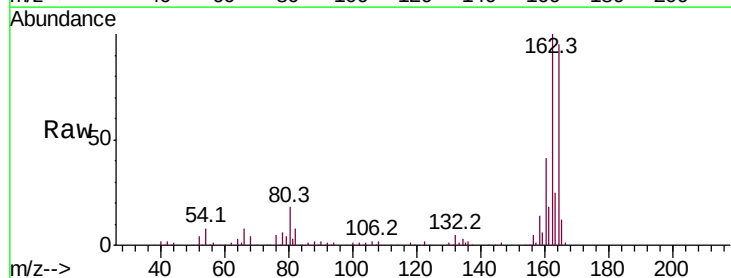
Tgt Ion:165 Resp: 18674

Ion Ratio Lower Upper

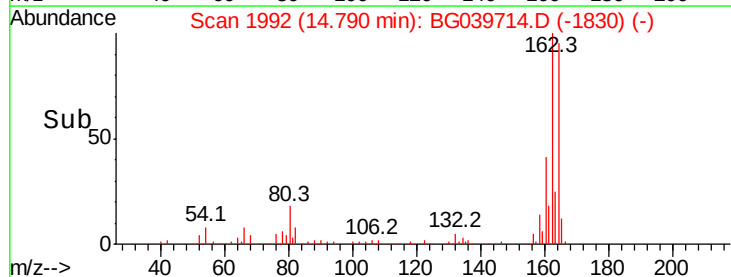
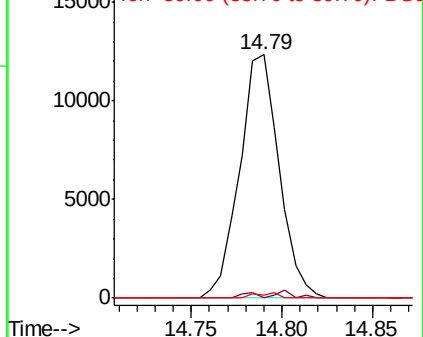
165 100

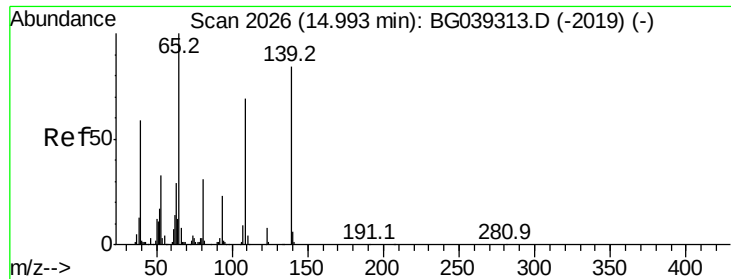
63 0.0 47.0 70.6#

89 1.3 45.8 68.8#



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

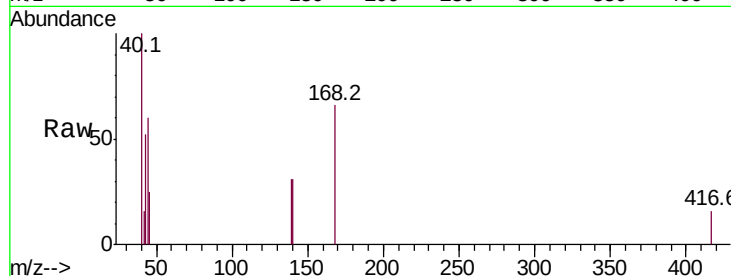




#56
4-Nitrophenol
Concen: 5.931 ng
RT: 15.20 min Scan# 2061
Delta R.T. 0.20 min
Lab File: BG039714.D
Acq: 2 Mar 2019 8:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



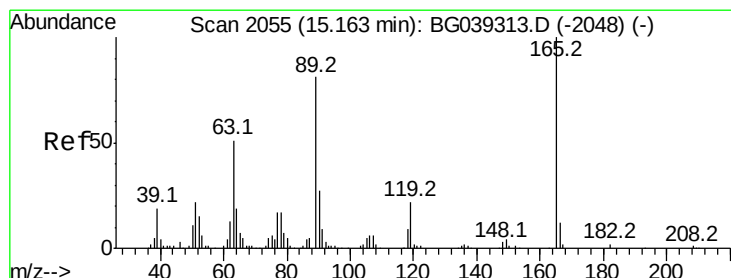
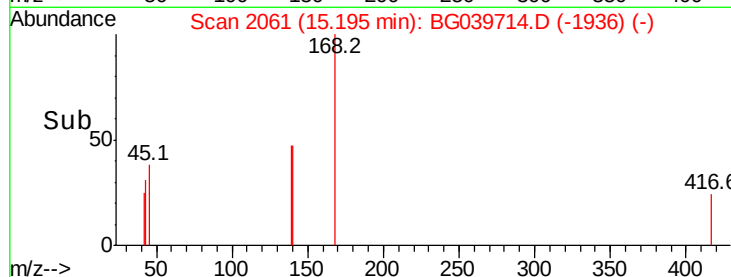
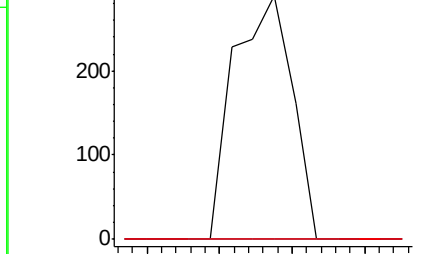
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

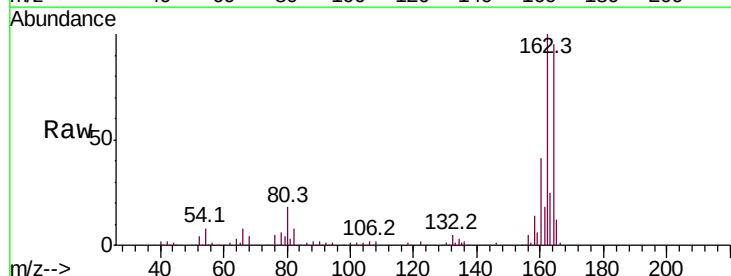
Ion 65.00 (64.70 to 65.70): BGC

15.20



#57
2,4-Dinitrotoluene
Concen: 13.246 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.36 min
Lab File: BG039714.D
Acq: 2 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	1.3	64.6	96.8#
182	0.0	2.0	3.0#



Abundance

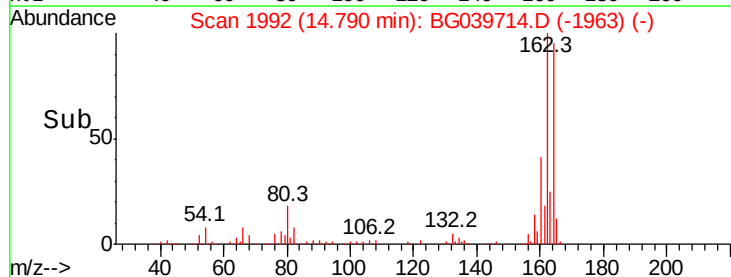
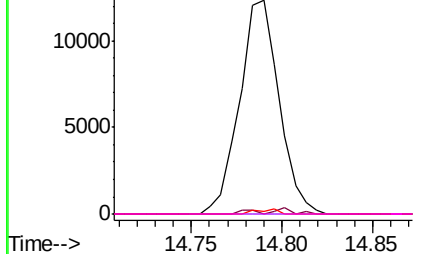
Ion 165.00 (164.70 to 165.70): E

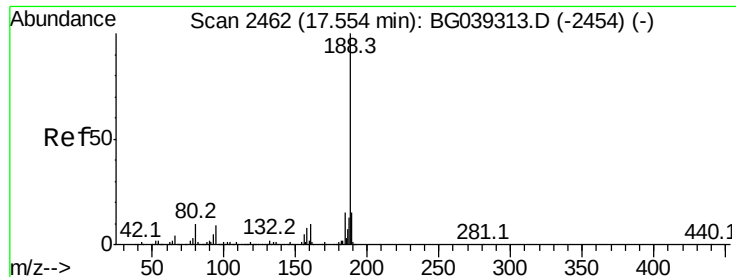
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.79





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BG039714.D

Acq: 2 Mar 2019 8:45

Instrument :

BNA_G

ClientSampleId :

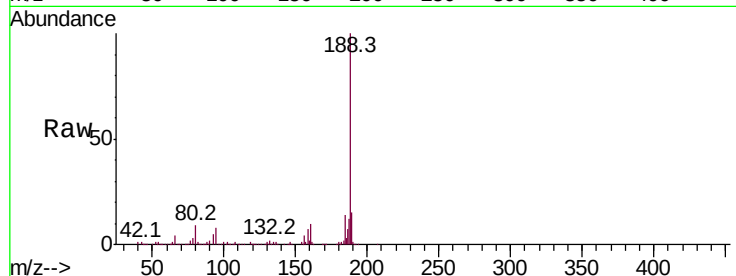
Tot Ion:188 Resp: 360227

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

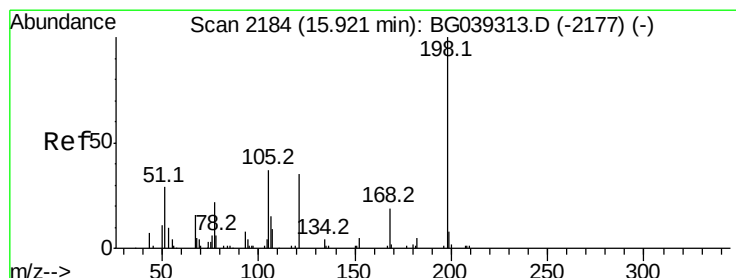
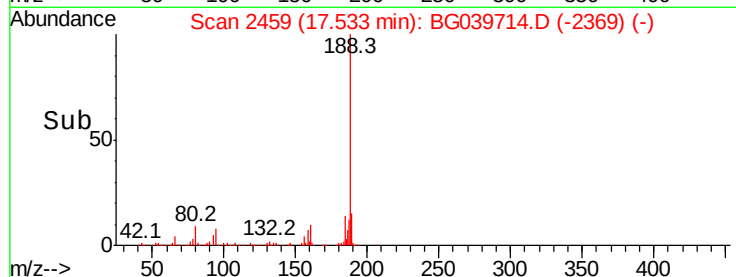
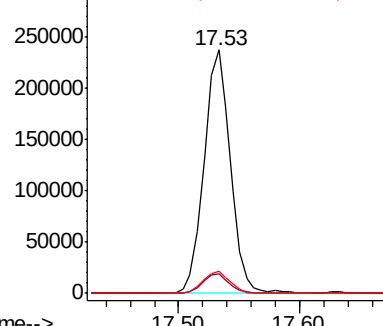
80 9.1 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.539 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.36 min

Lab File: BG039714.D

Acq: 2 Mar 2019 8:45

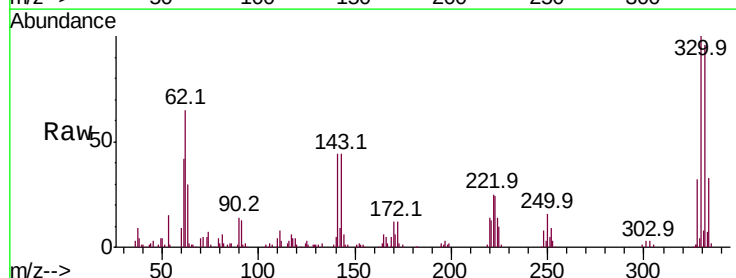
Tgt Ion:198 Resp: 411

Ion Ratio Lower Upper

198 100

51 126.6 27.4 67.4#

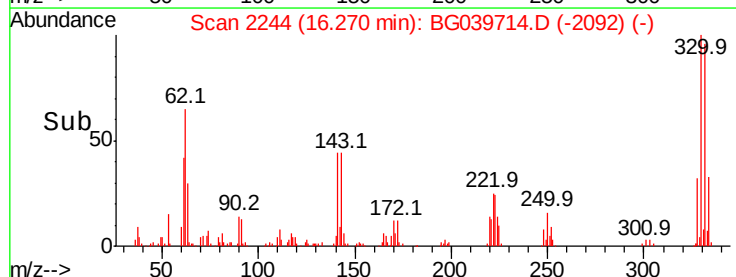
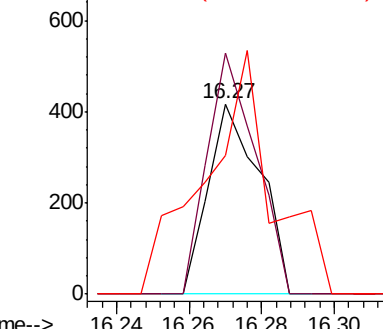
105 72.9 19.7 59.7#

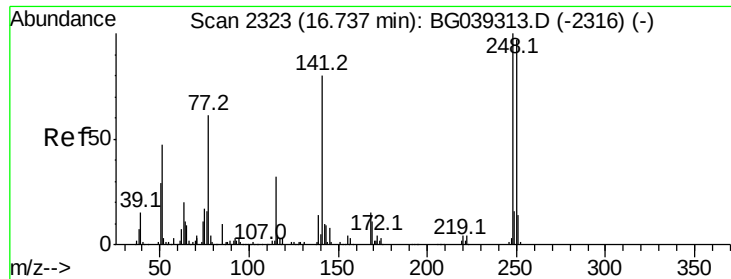


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

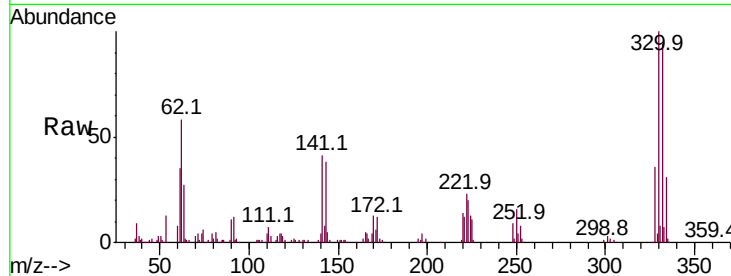




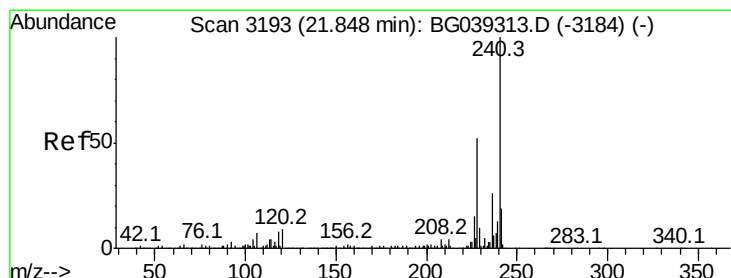
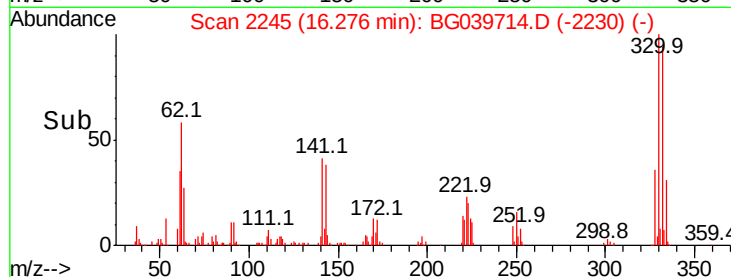
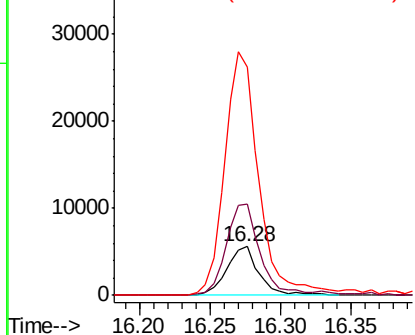
#67
 4-Bromophenyl-phenylether
 Concen: 2.220 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.44 min
 Lab File: BG039714.D
 Acq: 2 Mar 2019 8:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 8870
 Ion Ratio Lower Upper
 248 100
 250 185.9 77.6 116.4#
 141 465.9 63.9 95.9#

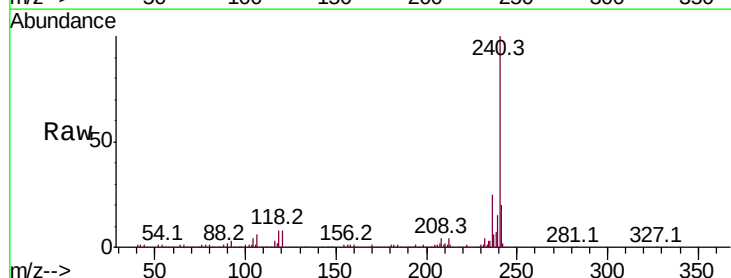


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

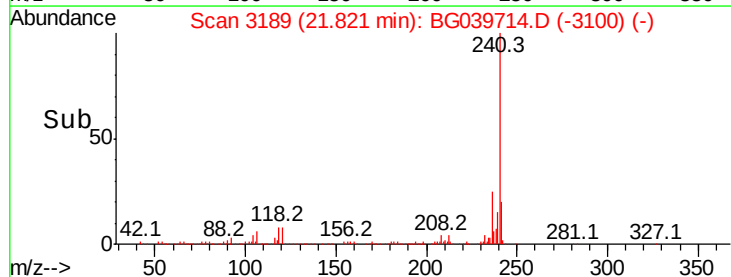
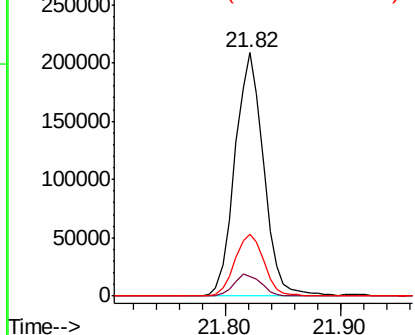


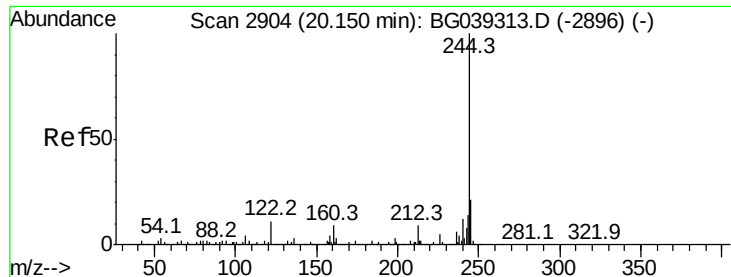
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.01 min
 Lab File: BG039714.D
 Acq: 2 Mar 2019 8:45

Tgt Ion:240 Resp: 359300
 Ion Ratio Lower Upper
 240 100
 120 8.2 7.0 10.6
 236 25.3 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

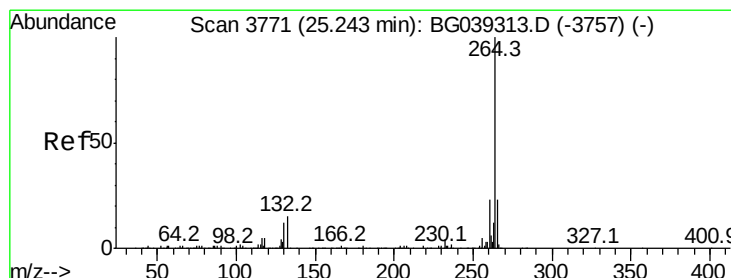
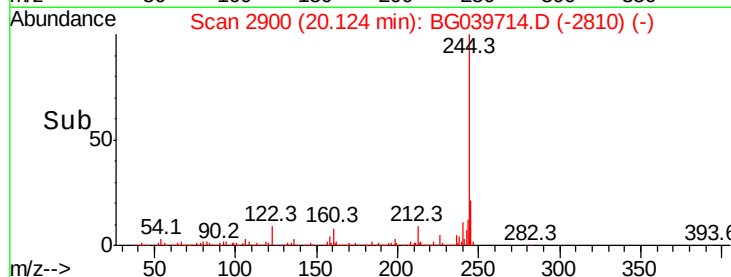
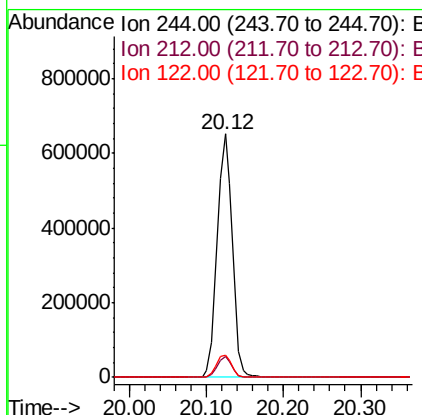
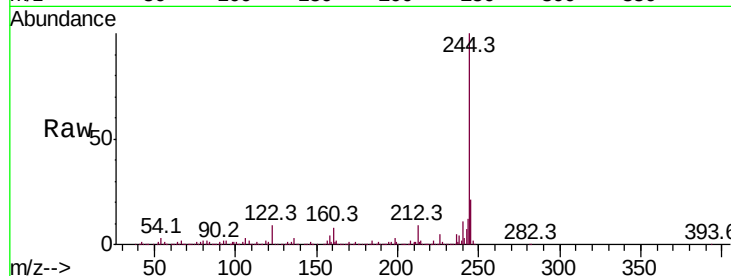




#79
 Terphenyl-d14
 Concen: 51.413 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG039714.D
 Acq: 2 Mar 2019 8:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.3	10.9
122	9.3	8.4	12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3764
 Delta R.T. -0.00 min
 Lab File: BG039714.D
 Acq: 2 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.4
265	21.8	18.5	27.7

