

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030119\
 Data File : BG039711.D
 Acq On : 2 Mar 2019 6:48
 Operator : JU/SJ
 Sample : K1675-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 23:47:52 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

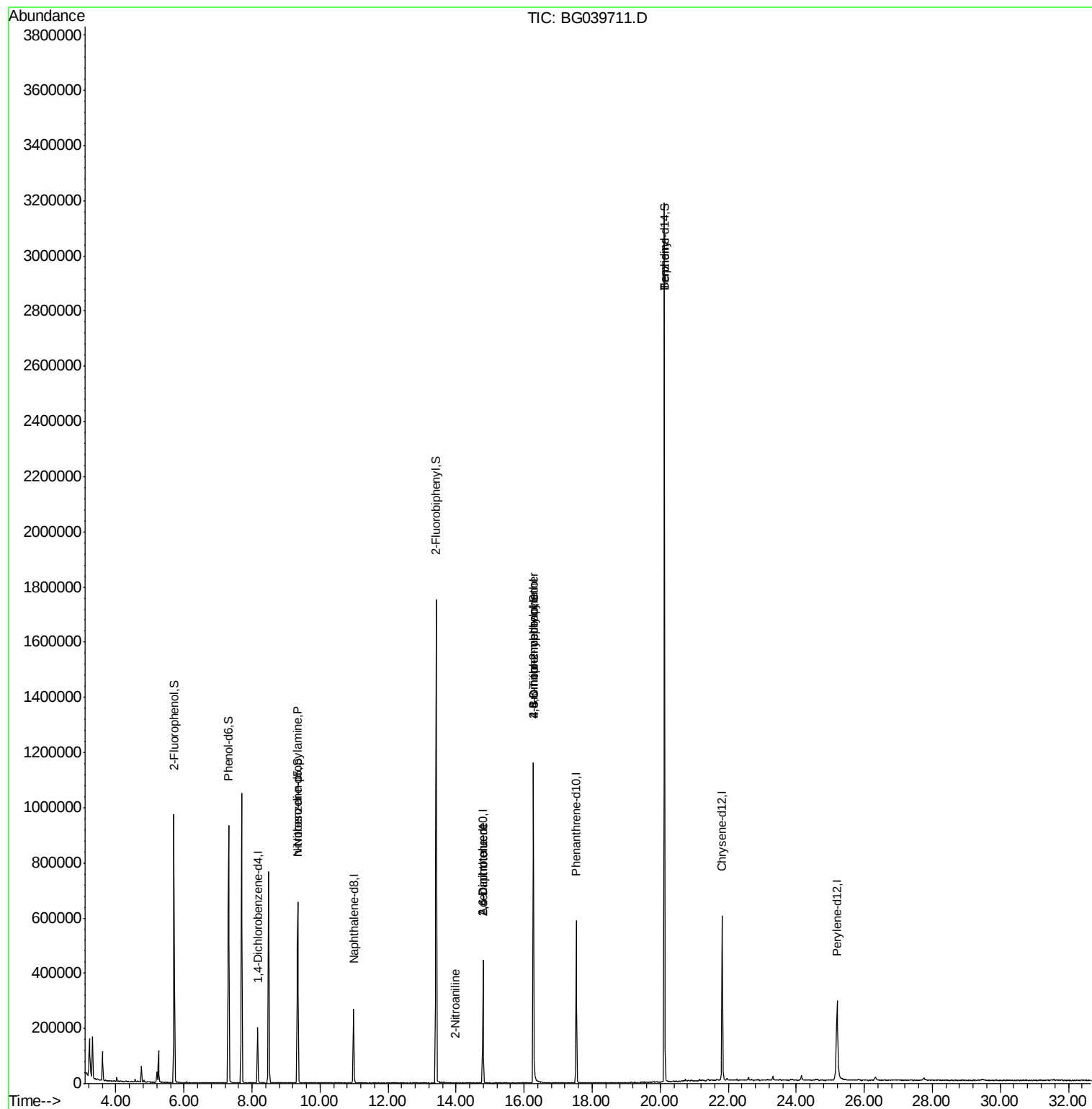
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	56741	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	235811	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	154994	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	373712	20.00	ng	0.00
76) Chrysene-d12	21.82	240	387437	20.00	ng	0.00
87) Perylene-d12	25.20	264	367310	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	414714	125.09	ng	0.00
7) Phenol-d6	7.31	99	547334	112.16	ng	0.00
23) Nitrobenzene-d5	9.34	82	394338	104.47	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	217058	130.05	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	941467	87.14	ng	0.00
79) Terphenyl-d14	20.12	244	1496814	81.78	ng	0.00
Target Compounds						
9) Benzaldehyde	7.31	77	1011	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.34	70	51867	14.975 ng	#	4
48) 2-Nitroaniline	13.99	65	54	8.312 ng	#	67
51) 2,6-Dinitrotoluene	14.79	165	19969	13.928 ng	#	10
57) 2,4-Dinitrotoluene	14.79	165	19969	13.402 ng	#	25
65) 4,6-Dinitro-2-methylphenol	16.28	198	621	4.707 ng	#	20
67) 4-Bromophenyl-phenylether	16.28	248	15951	3.847 ng	#	1
77) Benzidine	20.12	184	26659	2.099 ng	#	1
					#	94

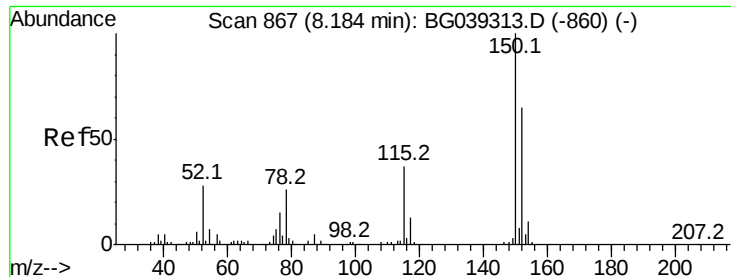
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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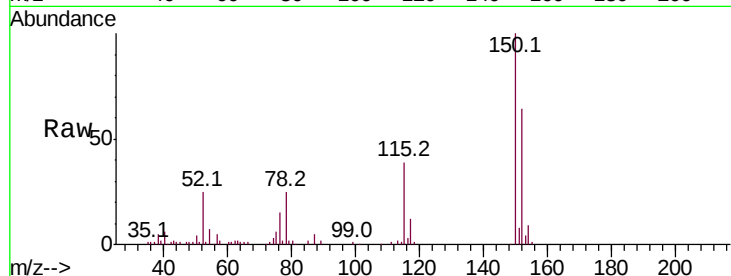


#1

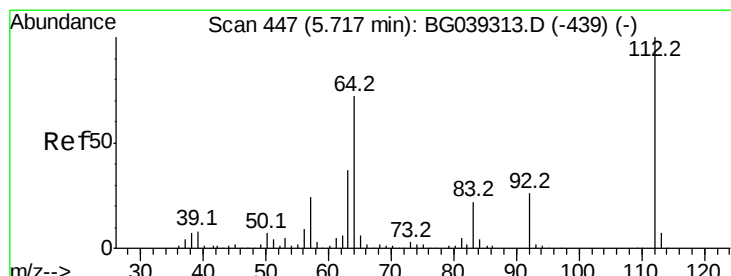
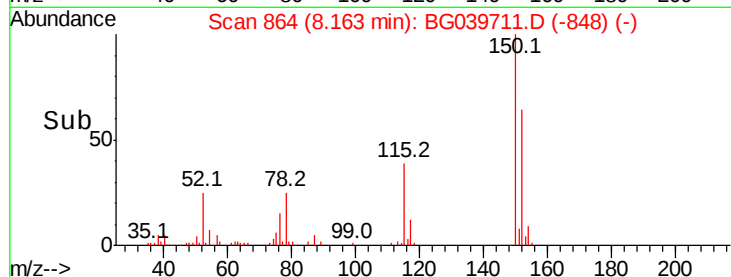
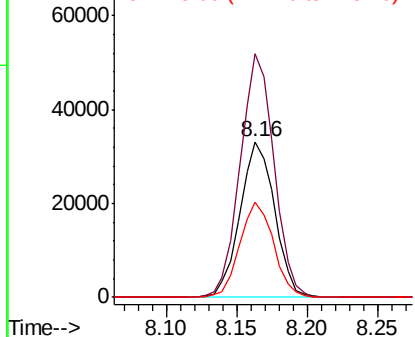
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039711.D
Acq: 2 Mar 2019 6:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56741
Ion Ratio Lower Upper
152 100
150 156.1 123.7 185.5
115 61.3 45.9 68.9



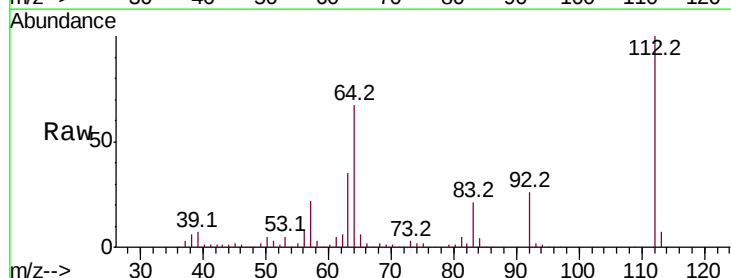
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



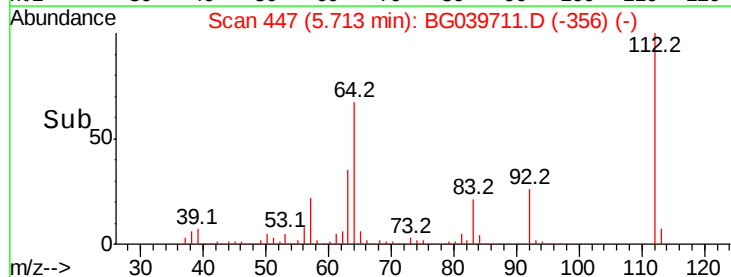
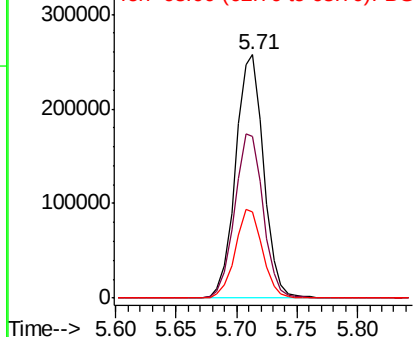
#5

2-Fluorophenol
Concen: 125.092 ng
RT: 5.71 min Scan# 447
Delta R.T. 0.00 min
Lab File: BG039711.D
Acq: 2 Mar 2019 6:48

Tgt Ion:112 Resp: 414714
Ion Ratio Lower Upper
112 100
64 66.6 57.8 86.8
63 35.2 29.8 44.6



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





#7

Phenol-d6

Concen: 112.159 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

Instrument :

BNA_G

ClientSampleId :

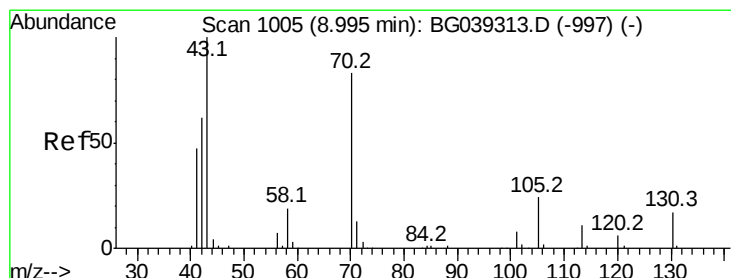
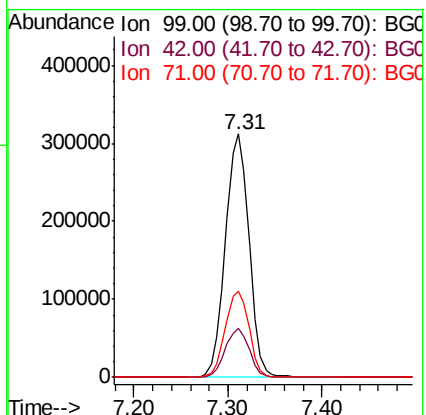
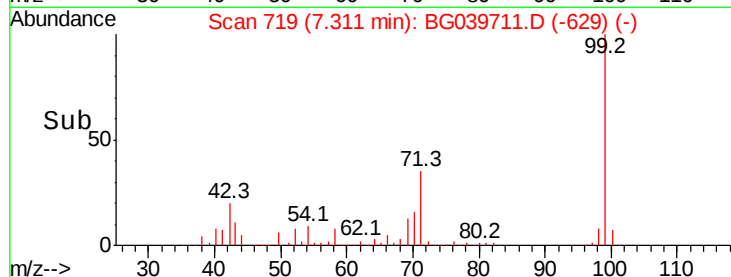
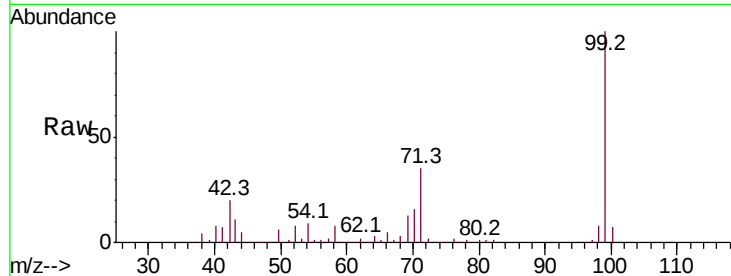
Tot Ion: 99 Resp: 547334

Ion Ratio Lower Upper

99 100

42 20.3 18.2 27.2

71 35.3 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.975 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

Tgt Ion: 70 Resp: 51867

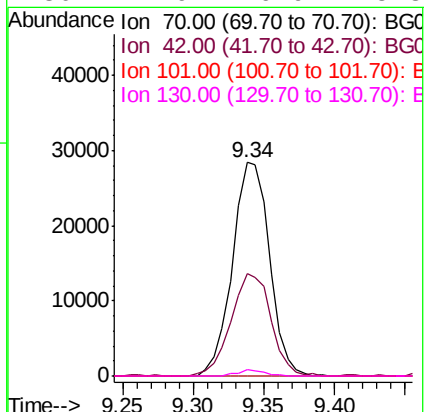
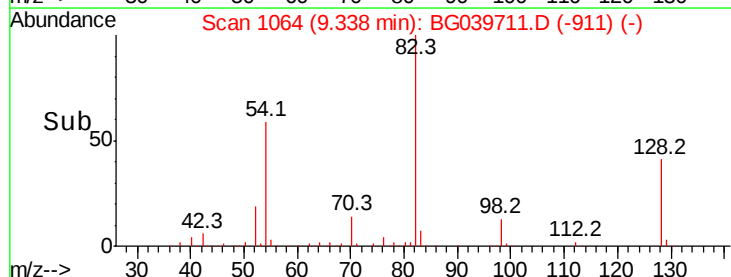
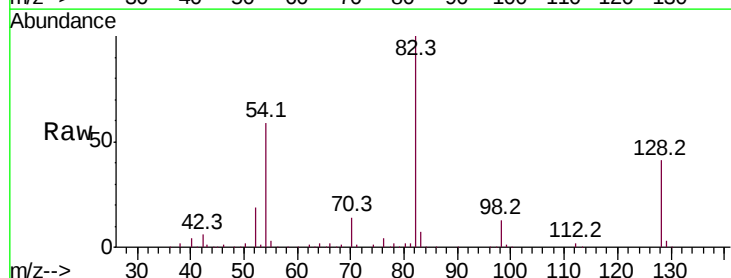
Ion Ratio Lower Upper

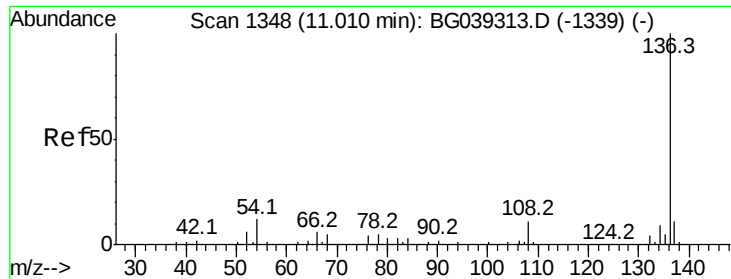
70 100

42 47.7 60.4 90.6#

101 0.0 7.5 11.3#

130 2.9 16.9 25.3#

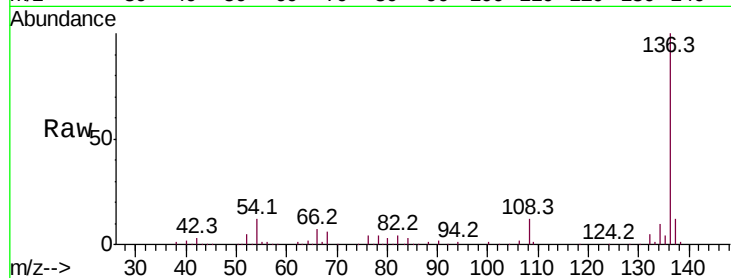




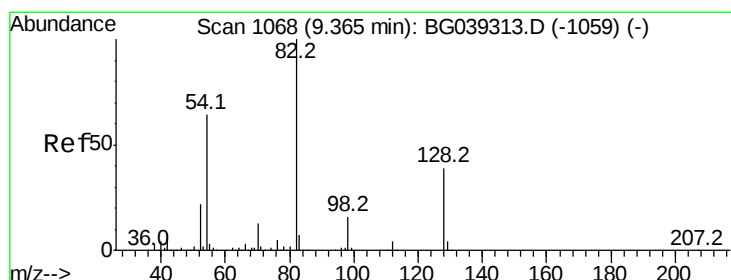
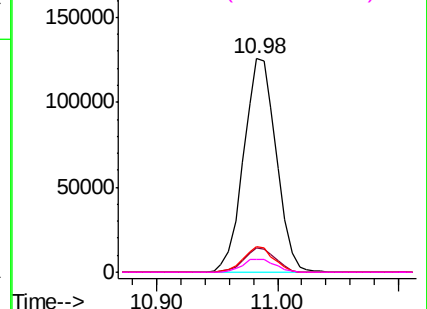
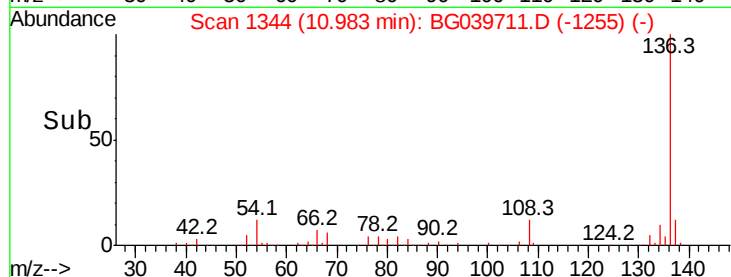
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039711.D
Acq: 2 Mar 2019 6:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	235811
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	11.7	9.4	14.2
68	6.3	4.2	6.4

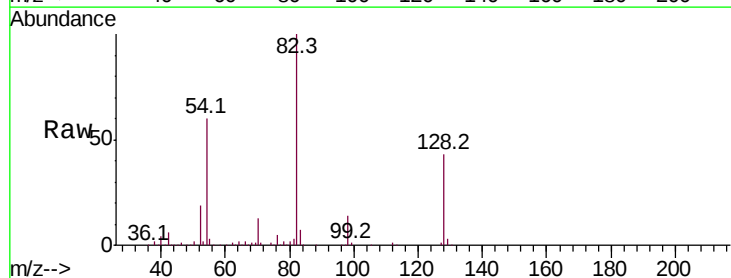


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

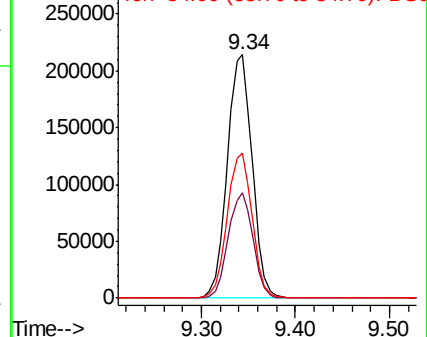
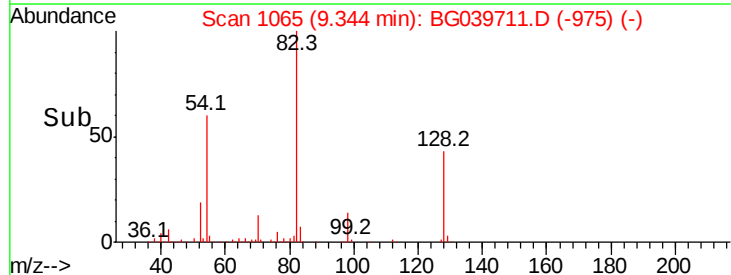


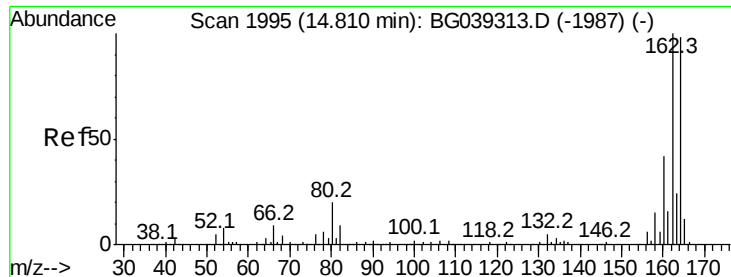
#23
Nitrobenzene-d5
Concen: 104.469 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG039711.D
Acq: 2 Mar 2019 6:48

Tgt Ion:	82	Resp:	394338
Ion	Ratio	Lower	Upper
82	100		
128	43.3	31.3	46.9
54	59.8	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

Instrument :

BNA_G

ClientSampled :

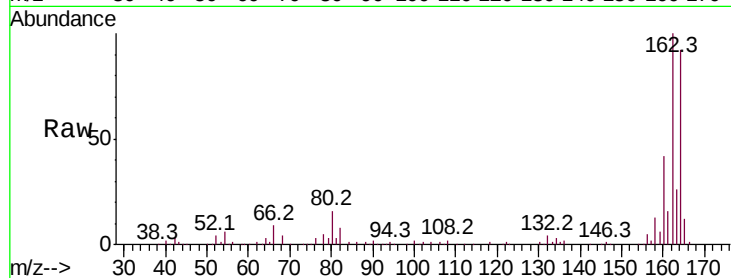
Tot Ion:164 Resp: 154994

Ion Ratio Lower Upper

164 100

162 108.4 81.6 122.4

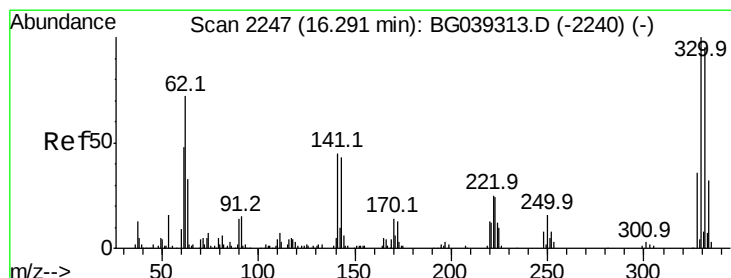
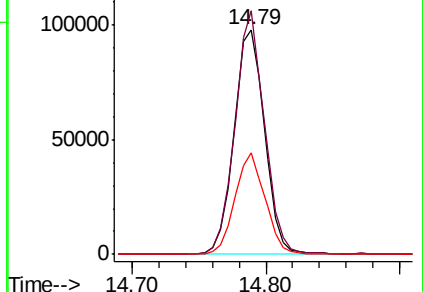
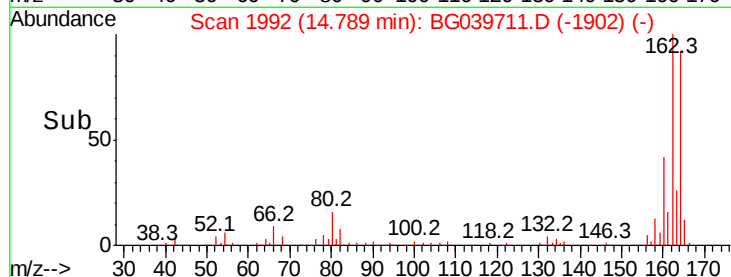
160 45.2 34.2 51.2



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: 130.051 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

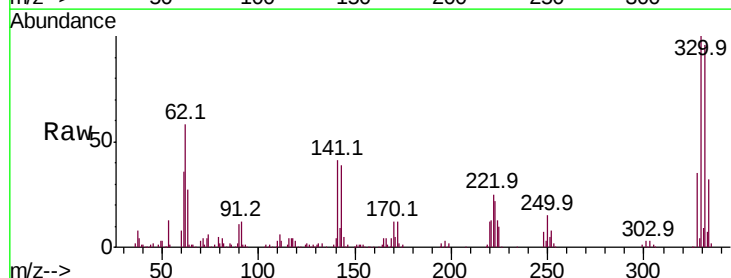
Tgt Ion:330 Resp: 217058

Ion Ratio Lower Upper

330 100

332 96.7 75.7 113.5

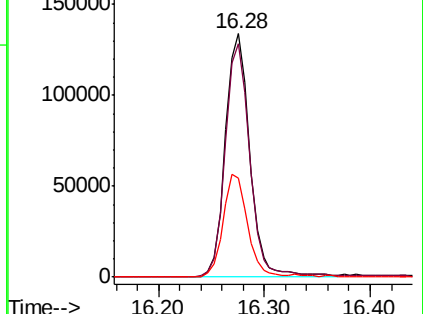
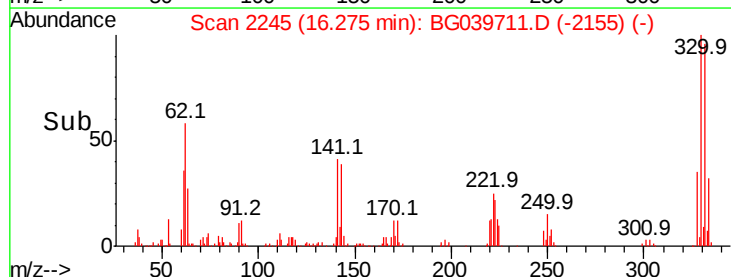
141 41.7 35.6 53.4

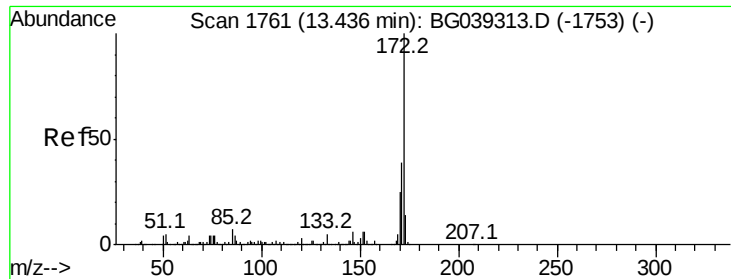


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

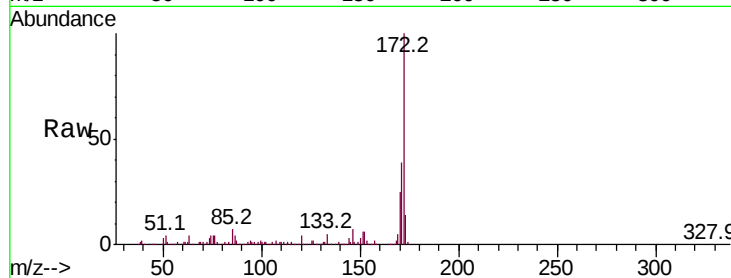




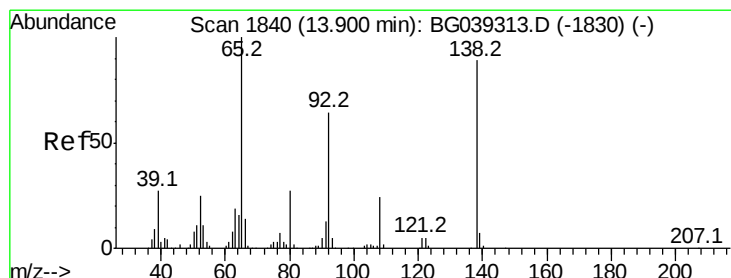
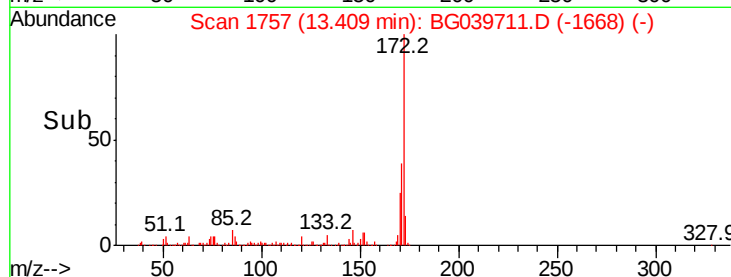
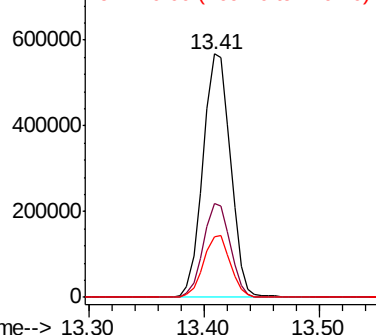
#45
2-Fluorobiphenyl
Concen: 87.138 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG039711.D
Acq: 2 Mar 2019 6:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 941467
Ion Ratio Lower Upper
172 100
171 38.7 30.8 46.2
170 25.0 20.2 30.4

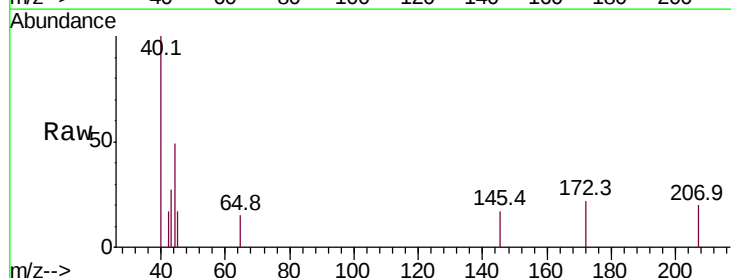


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

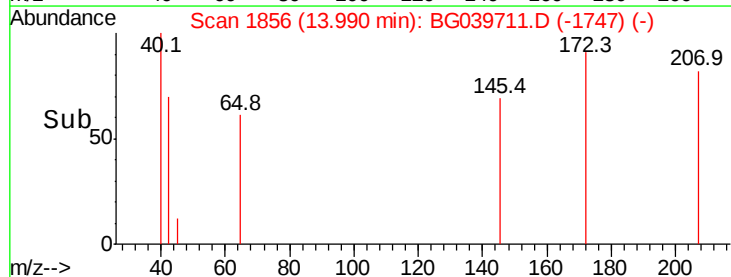
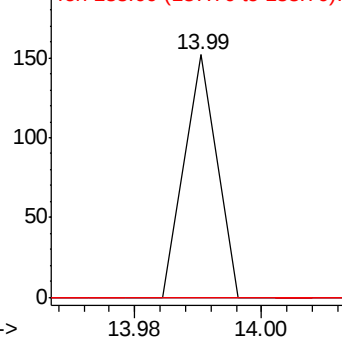


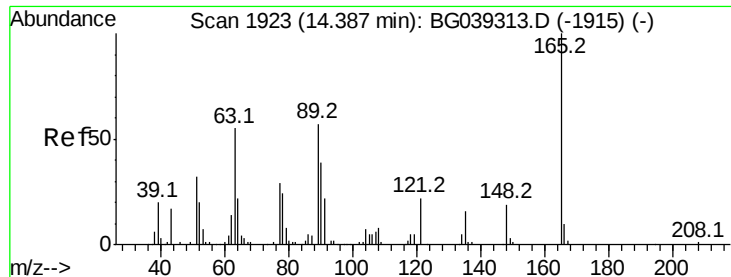
#48
2-Nitroaniline
Concen: 8.312 ng
RT: 13.99 min Scan# 1856
Delta R.T. 0.11 min
Lab File: BG039711.D
Acq: 2 Mar 2019 6:48

Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 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): E





#51

2,6-Dinitrotoluene

Concen: 13.928 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.42 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

Instrument :

BNA_G

ClientSampleId :

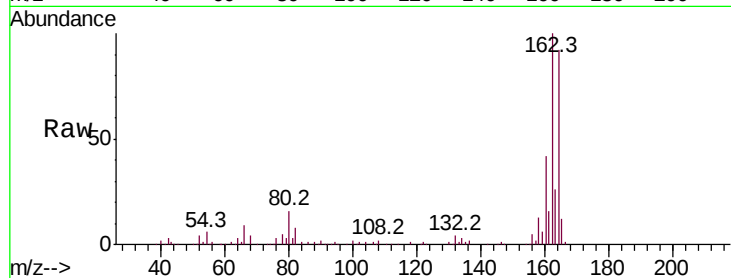
Tot Ion:165 Resp: 19969

Ion Ratio Lower Upper

165 100

63 3.1 47.0 70.6#

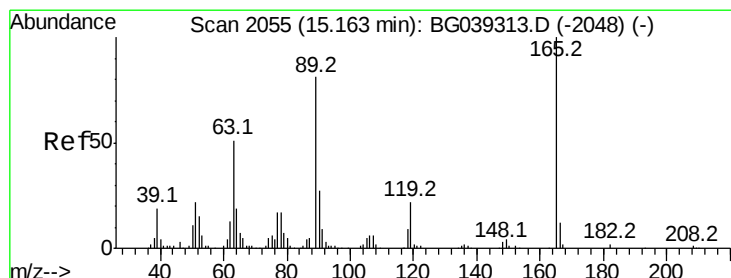
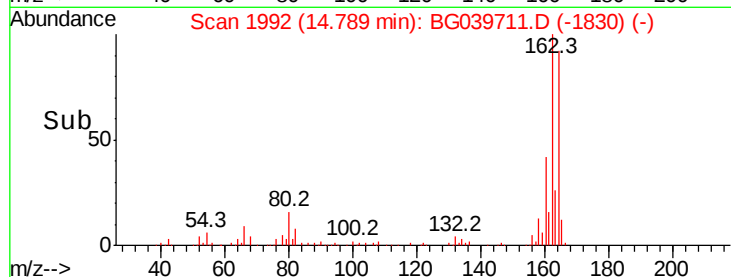
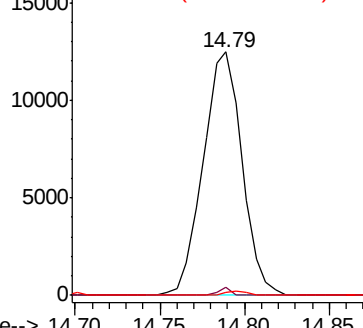
89 1.2 45.8 68.8#



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: 13.402 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.36 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

Tgt Ion:165 Resp: 19969

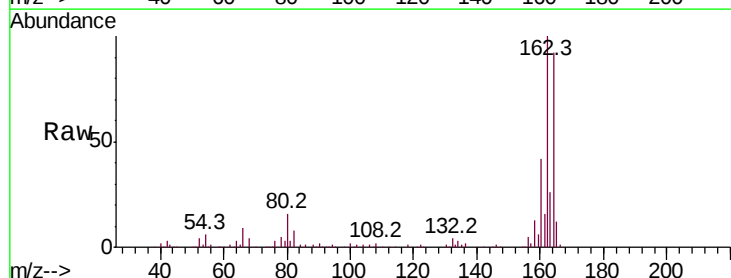
Ion Ratio Lower Upper

165 100

63 3.1 41.0 61.6#

89 1.2 64.6 96.8#

182 0.0 2.0 3.0#

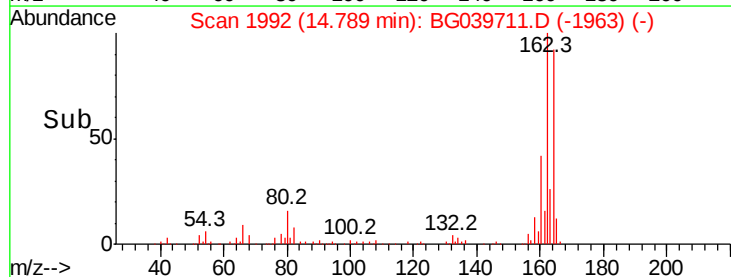
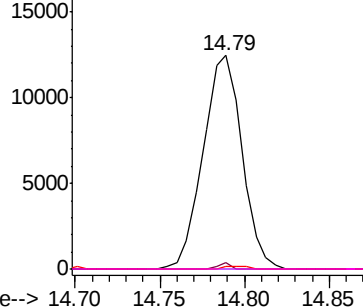


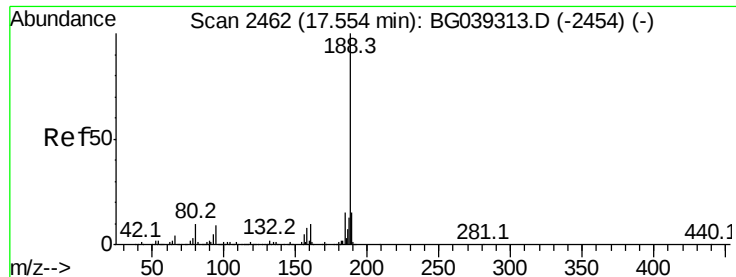
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.00 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

Instrument :

BNA_G

ClientSampleId :

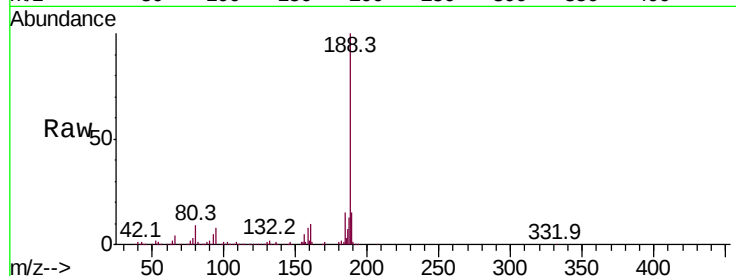
Tot Ion:188 Resp: 373712

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

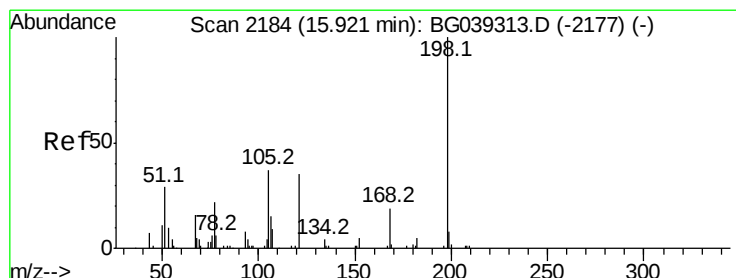
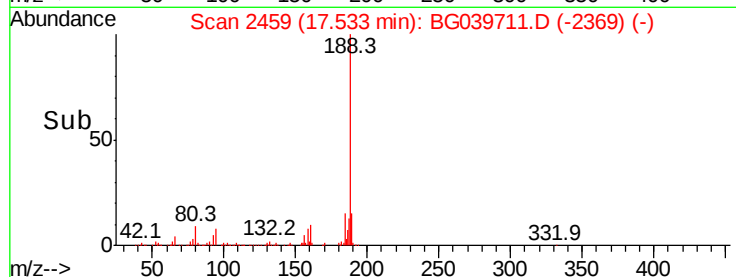
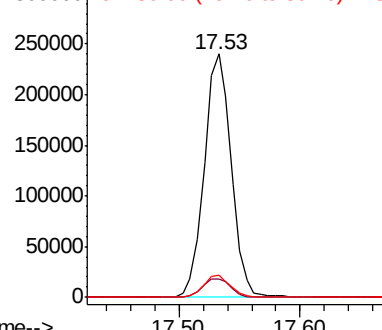
80 9.3 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.707 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.37 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

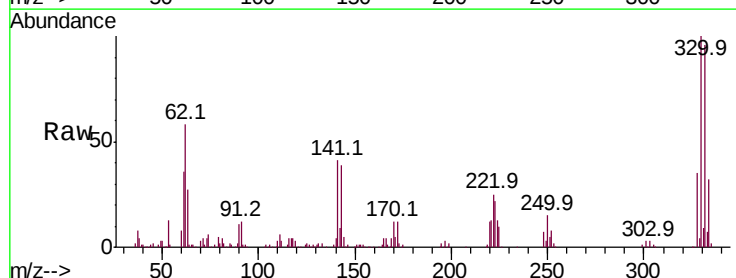
Tgt Ion:198 Resp: 621

Ion Ratio Lower Upper

198 100

51 123.2 27.4 67.4#

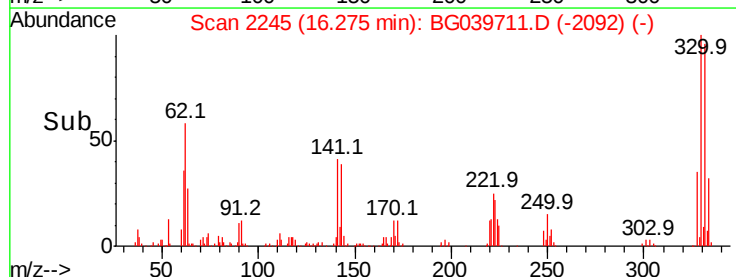
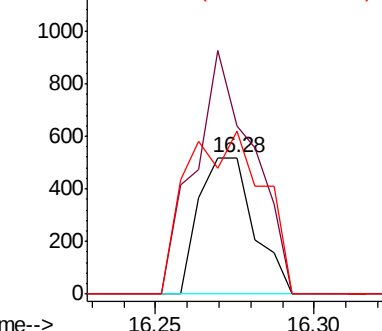
105 119.7 19.7 59.7#

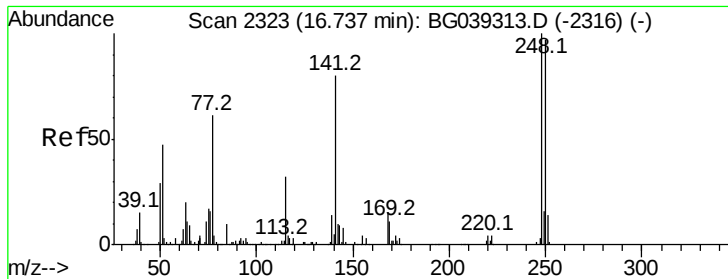


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

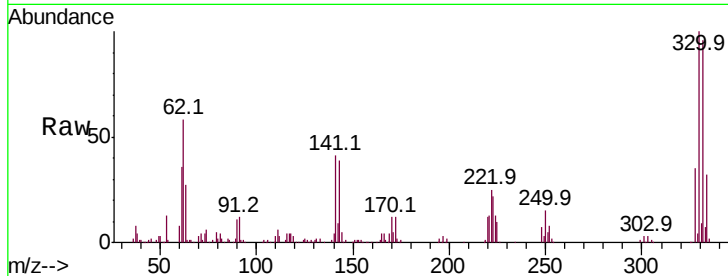




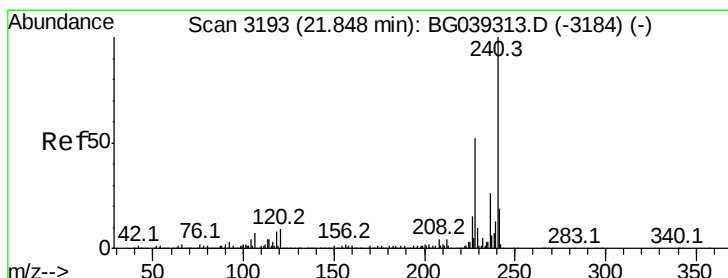
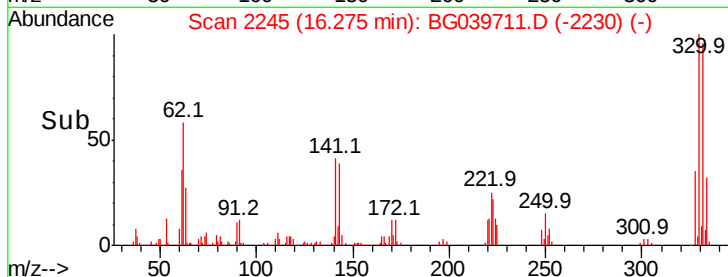
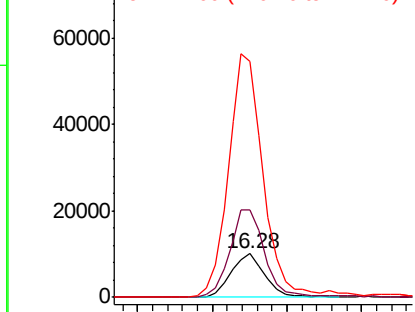
#67
4-Bromophenyl-phenylether
Concen: 3.847 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.44 min
Lab File: BG039711.D
Acq: 2 Mar 2019 6:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 15951
Ion Ratio Lower Upper
248 100
250 202.8 77.6 116.4#
141 544.2 63.9 95.9#

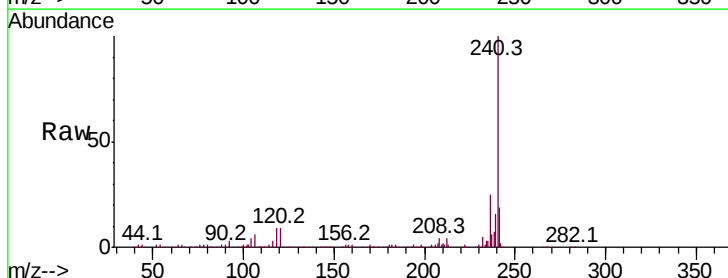


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

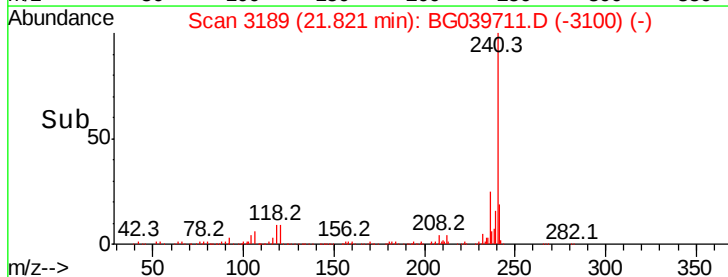
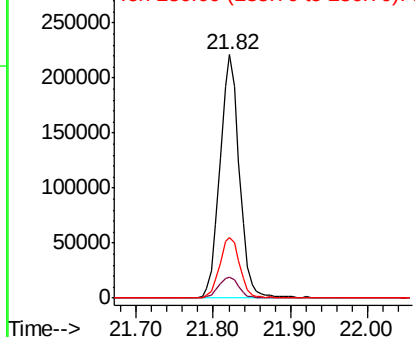


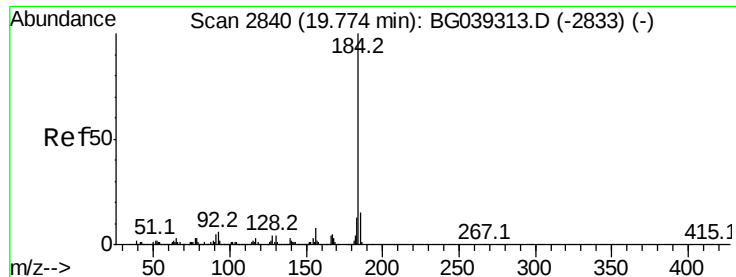
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.01 min
Lab File: BG039711.D
Acq: 2 Mar 2019 6:48

Tgt Ion:240 Resp: 387437
Ion Ratio Lower Upper
240 100
120 8.7 7.0 10.6
236 24.6 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





#77

Benzidine

Concen: 2.099 ng

RT: 20.12 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

Instrument :

BNA_G

ClientSampleId :

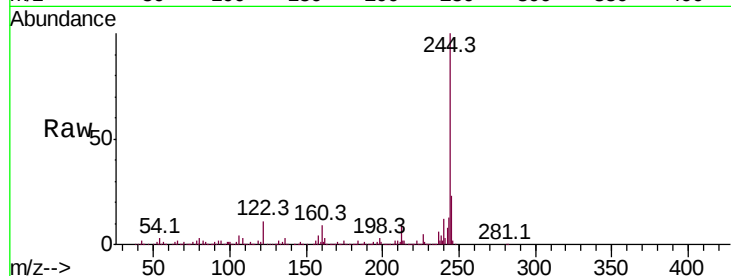
Tot Ion:184 Resp: 26659

Ion Ratio Lower Upper

184 100

185 15.7 12.2 18.2

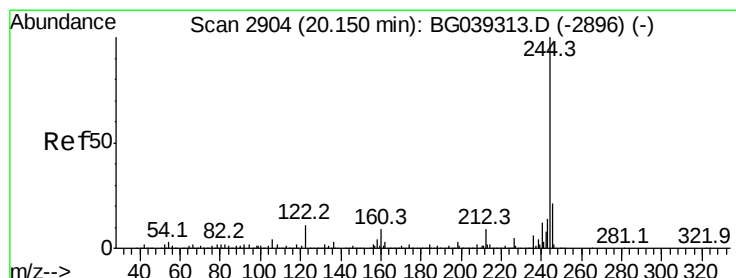
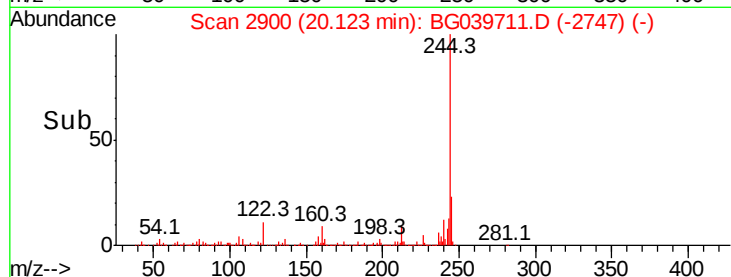
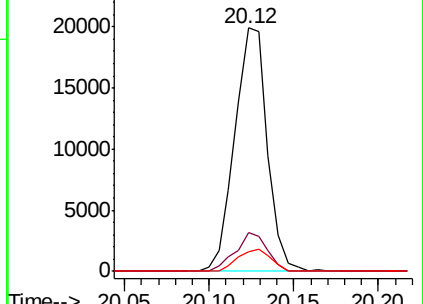
183 8.3 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 81.776 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG039711.D

Acq: 2 Mar 2019 6:48

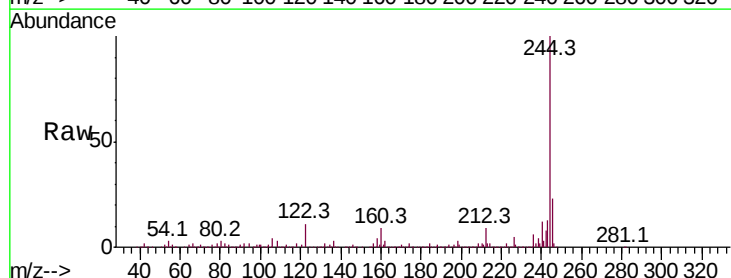
Tgt Ion:244 Resp: 1496814

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

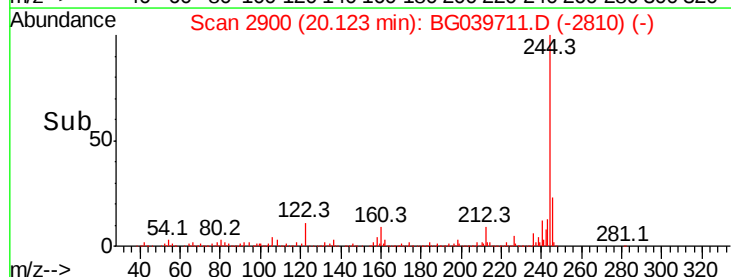
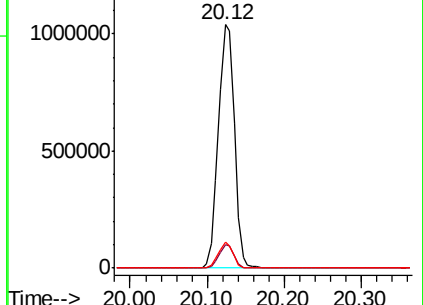
122 10.6 8.4 12.6

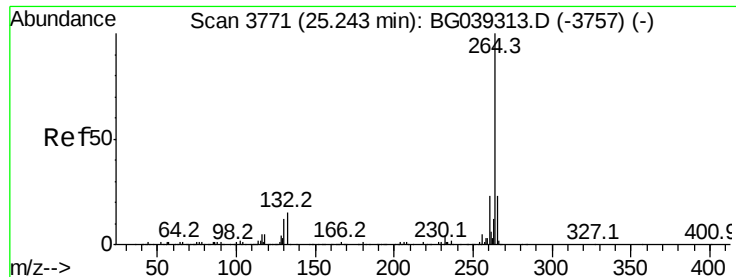


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.00 min
Lab File: BG039711.D
Acq: 2 Mar 2019 6:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.4
265	21.6	18.5	27.7

