

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031702.D
 Acq On : 22 Dec 2017 9:16
 Operator : SJ/JU
 Sample : I6995-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 09:50:50 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 03:38:35 2017
 Response via : Initial Calibration

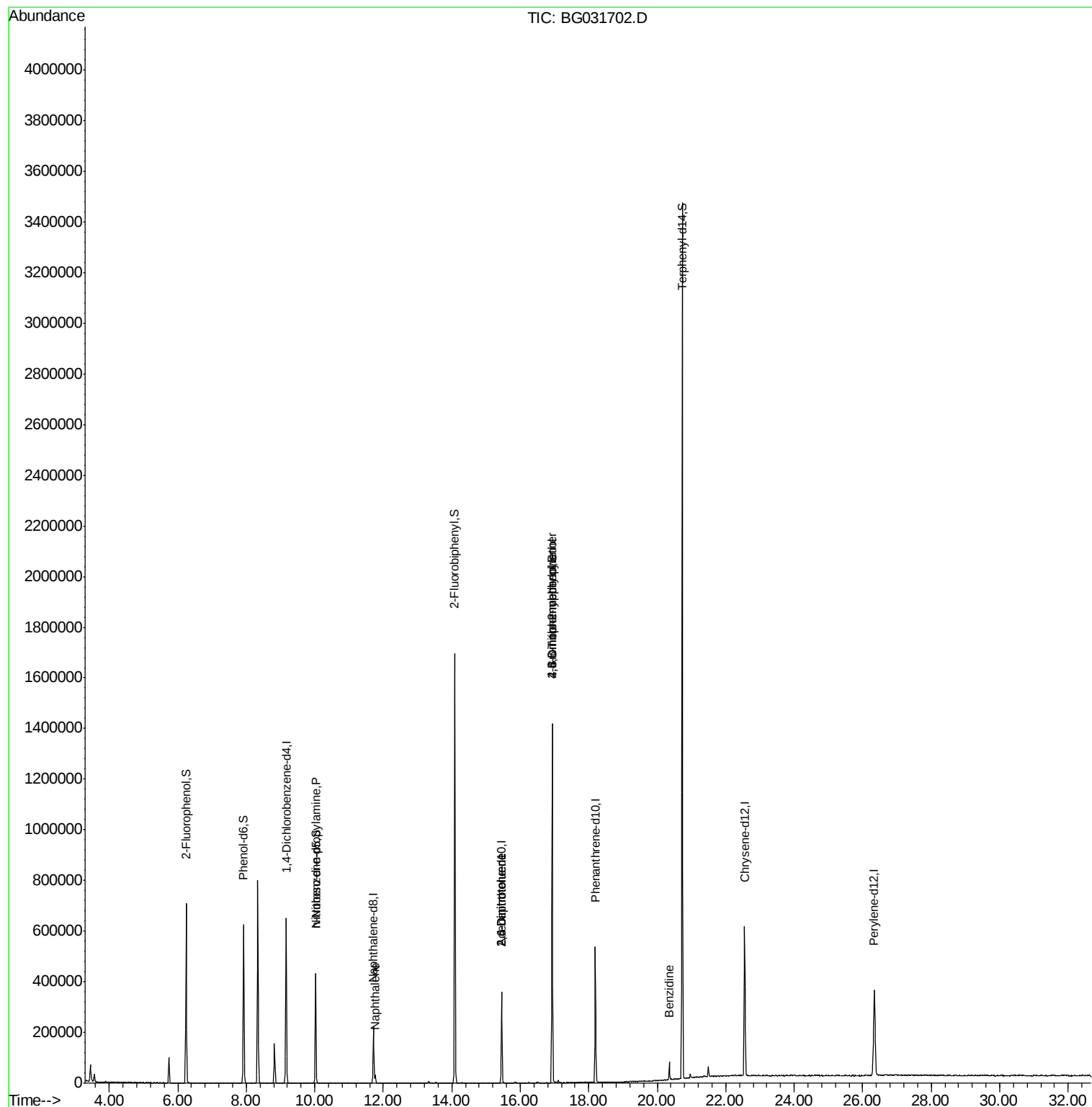
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.16	152	231450	20.00	ng	0.33
21) Naphthalene-d8	11.71	136	217044	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	143647	20.00	ng	0.00
63) Phenanthrene-d10	18.19	188	373368	20.00	ng	0.00
75) Chrysene-d12	22.55	240	458186	20.00	ng	-0.02
86) Perylene-d12	26.34	264	468879	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	387076	30.46	ng	0.00
7) Phenol-d6	7.92	99	440148	26.68	ng	0.00
23) Nitrobenzene-d5	10.03	82	280950	97.75	ng	0.00
41) 2,4,6-Tribromophenol	16.93	330	338559	154.46	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	1020565	89.17	ng	0.00
78) Terphenyl-d14	20.73	244	1910730	95.27	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.03	70	36914	3.276	ng	# 72
31) Naphthalene	11.77	128	33618	3.069	ng	# 95
50) 2,6-Dinitrotoluene	15.46	165	18597	7.988	ng	# 19
56) 2,4-Dinitrotoluene	15.46	165	18597	6.213	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.93	198	788	8.665	ng	# 17
66) 4-Bromophenyl-phenylether	16.93	248	26962	4.994	ng	# 1
76) Benzidine	20.36	184	49474	3.498	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 9.16 min Scan# 1000

Delta R.T. 0.33 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

Instrument :

BNA_G

ClientSampled :

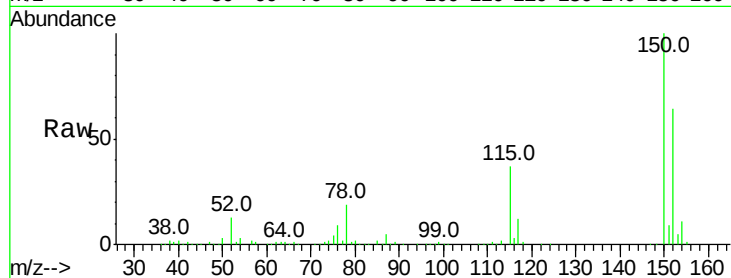
Tot Ion:152 Resp: 231450

Ion Ratio Lower Upper

152 100

150 155.3 126.6 189.8

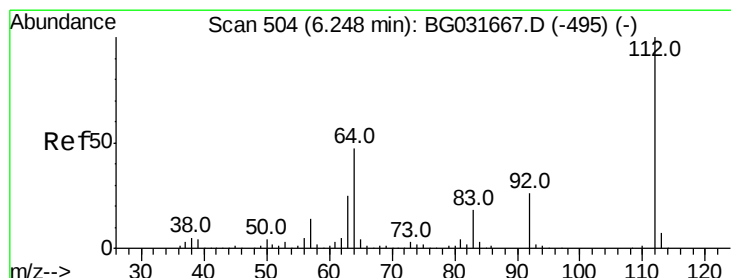
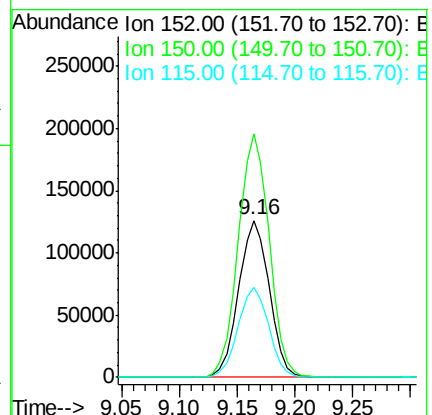
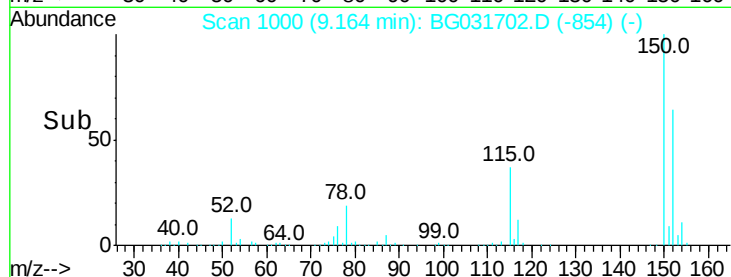
115 57.1 53.0 79.4



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: 30.461 ng

RT: 6.24 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

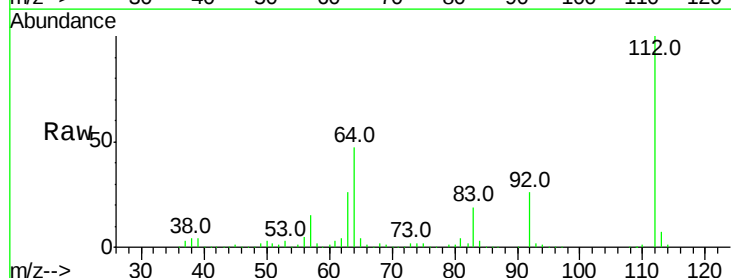
Tgt Ion:112 Resp: 387076

Ion Ratio Lower Upper

112 100

64 47.2 56.3 84.5#

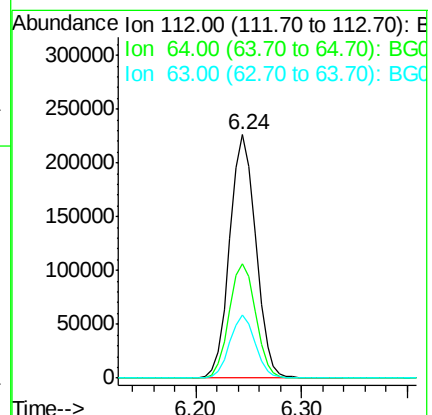
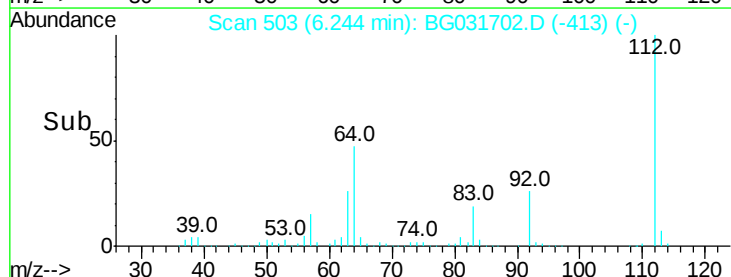
63 26.2 30.1 45.1#



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: 26.678 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.00 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

Instrument :

BNA_G

ClientSampleId :

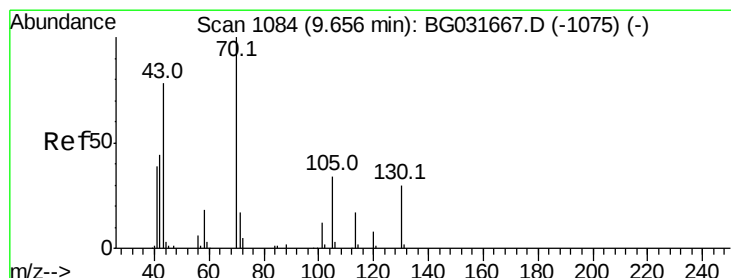
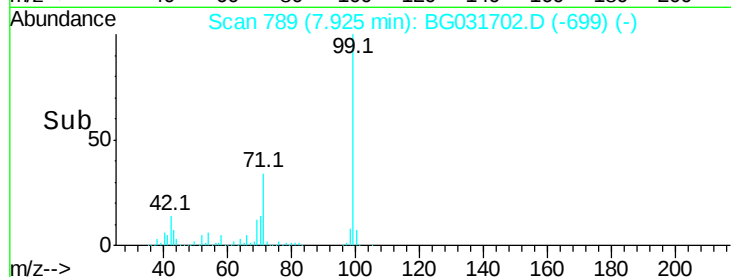
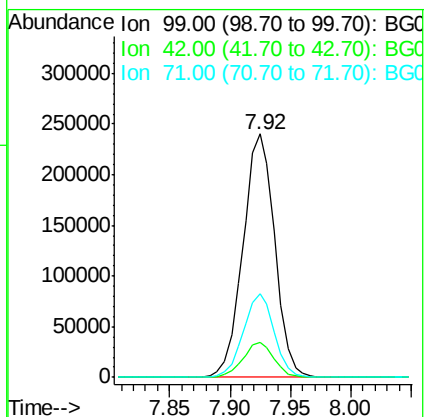
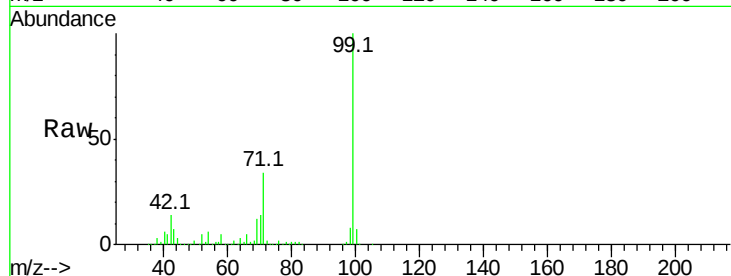
Tot Ion: 99 Resp: 440148

Ion Ratio Lower Upper

99 100

42 14.3 14.1 21.1

71 34.1 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 3.276 ng

RT: 10.03 min Scan# 1147

Delta R.T. 0.37 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

Tgt Ion: 70 Resp: 36914

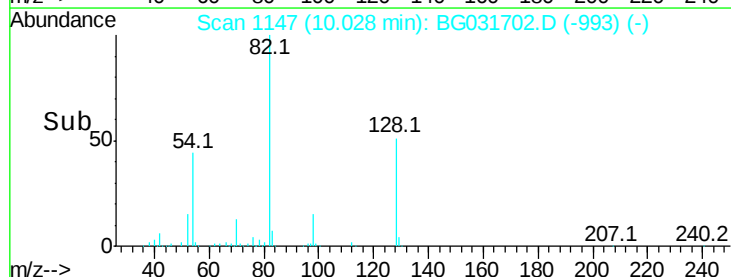
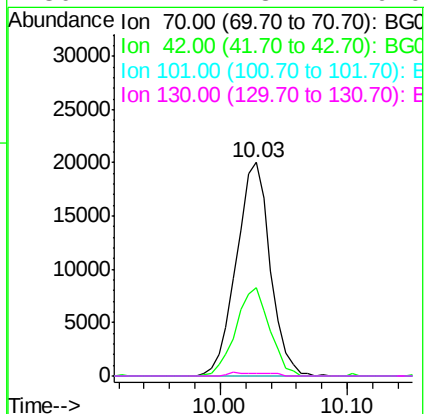
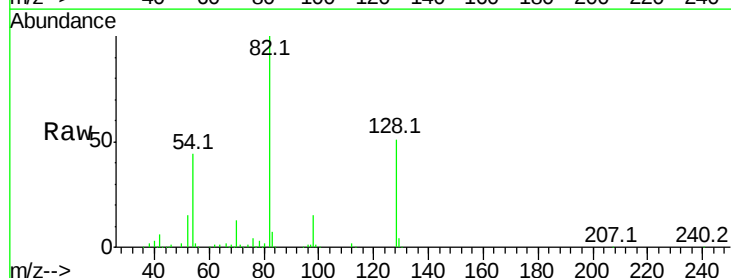
Ion Ratio Lower Upper

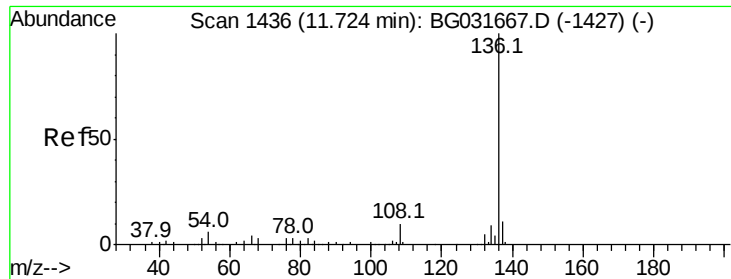
70 100

42 41.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

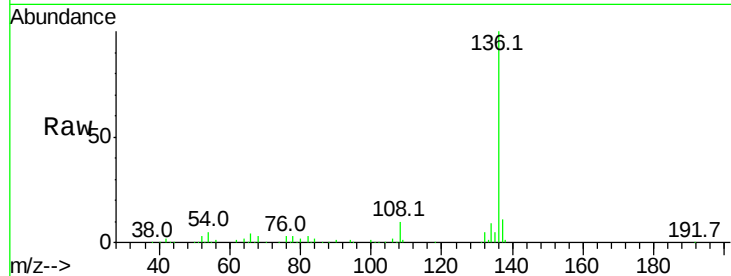




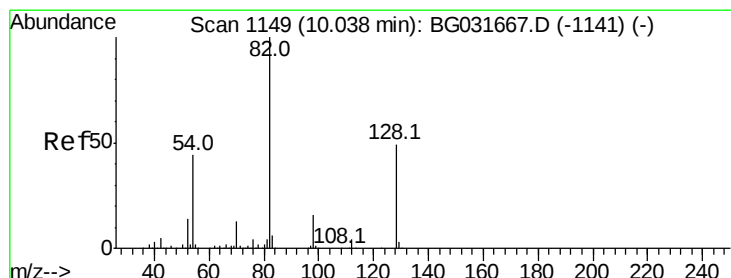
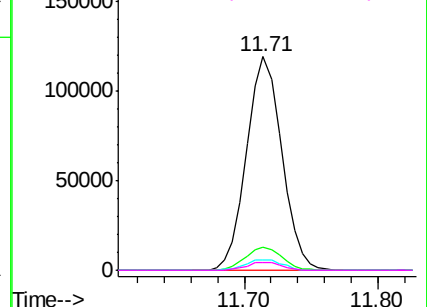
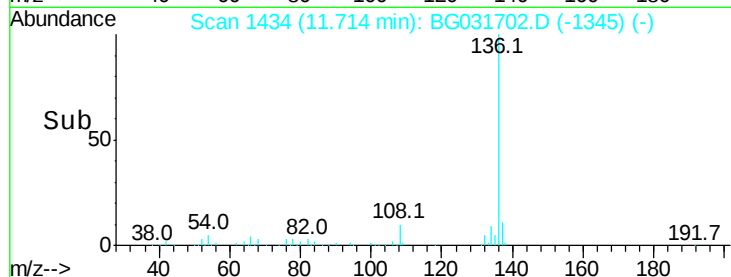
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031702.D
Acq: 22 Dec 2017 9:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	217044
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.2 13.8
54	4.6	10.3 15.5#
68	3.5	4.5 6.7#

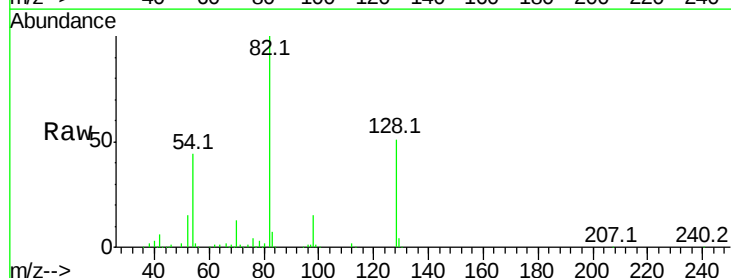


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

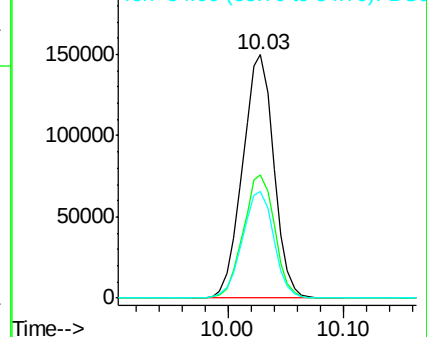
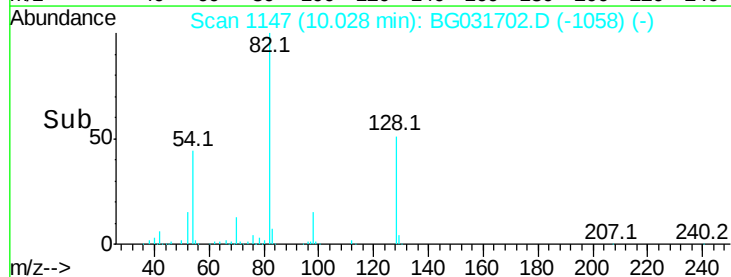


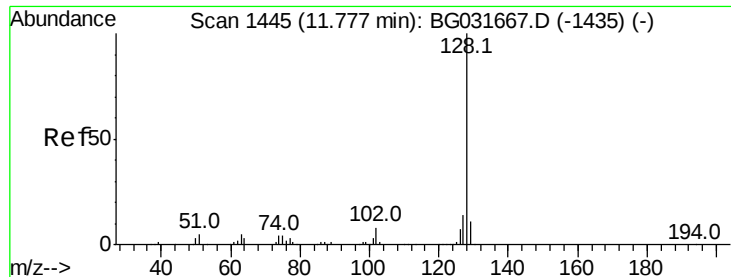
#23
Nitrobenzene-d5
Concen: 97.746 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BG031702.D
Acq: 22 Dec 2017 9:16

Tgt Ion: 82	Resp:	280950
Ion Ratio	Lower	Upper
82	100	
128	50.8	29.7 44.5#
54	43.7	43.1 64.7



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

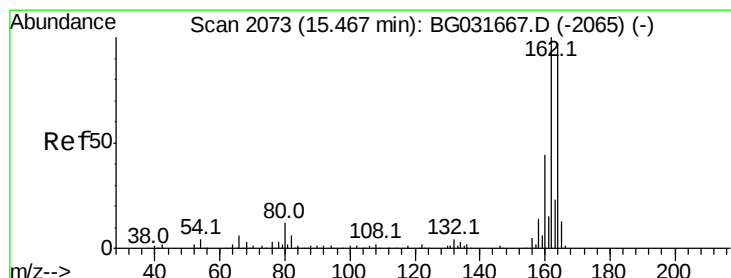
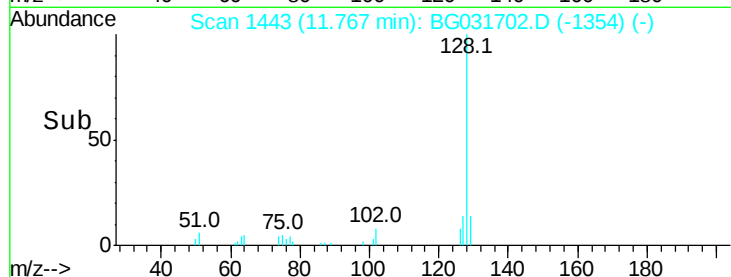
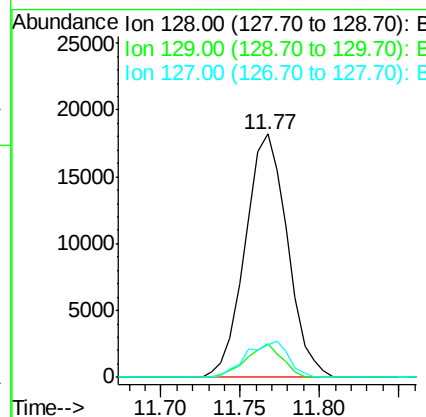
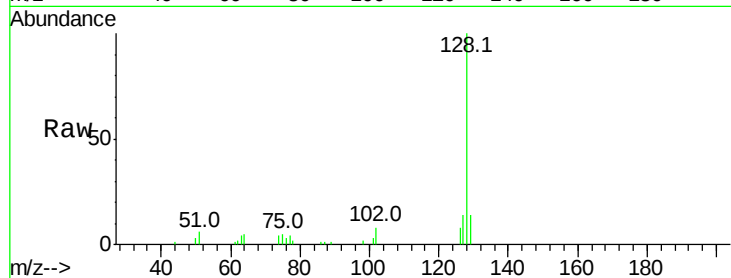




#31
Naphthalene
Concen: 3.069 ng
RT: 11.77 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BG031702.D
Acq: 22 Dec 2017 9:16

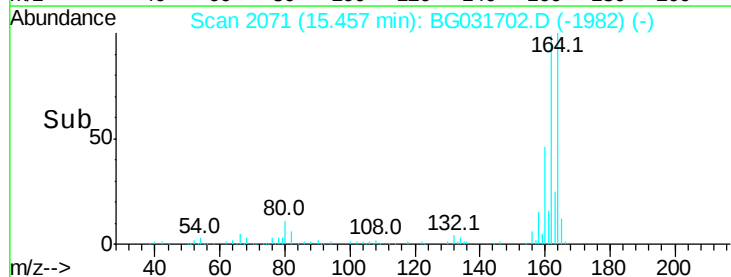
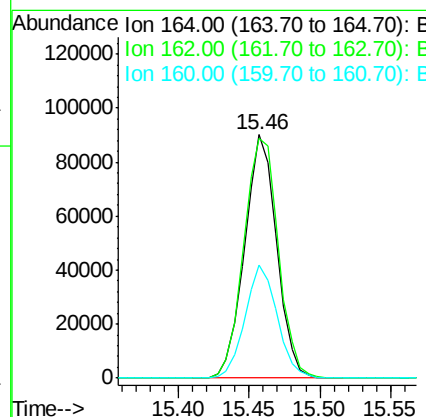
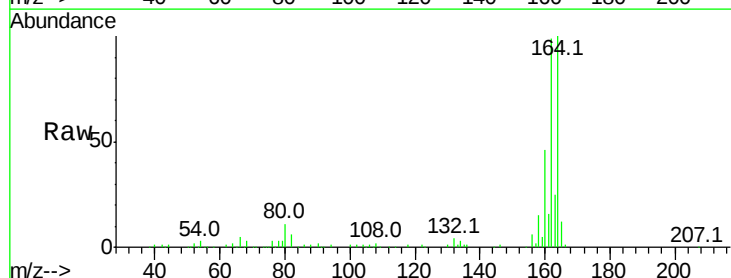
Instrument :
BNA_G
ClientSampleId :

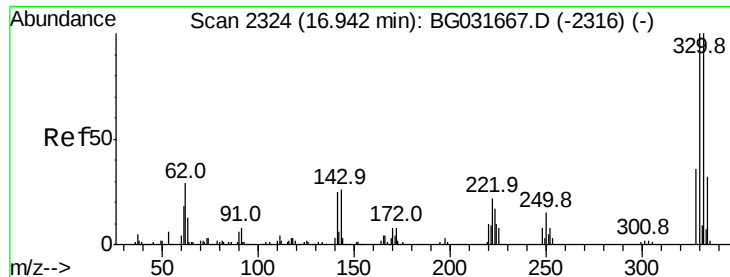
Tot Ion	Ratio	Lower	Upper
128	100		
129	13.6	8.6	12.8#
127	13.6	11.6	17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031702.D
Acq: 22 Dec 2017 9:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.7	78.8	118.2
160	46.2	35.4	53.0

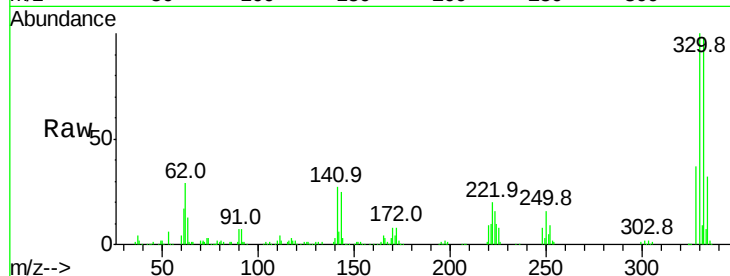




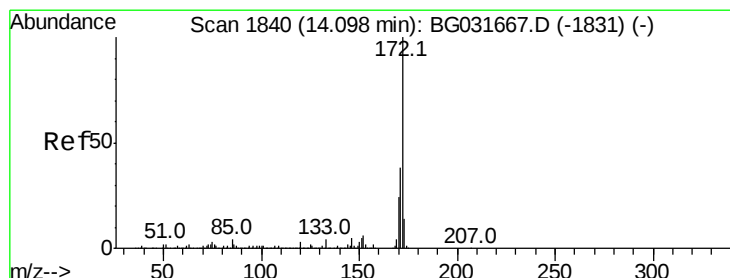
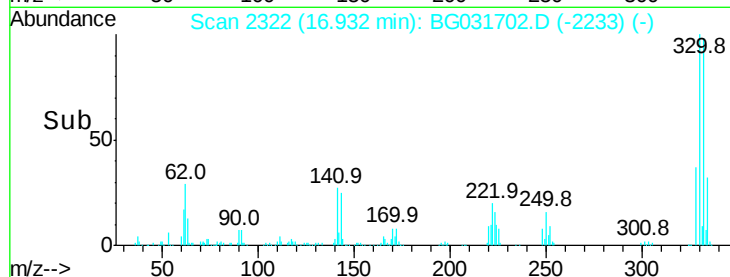
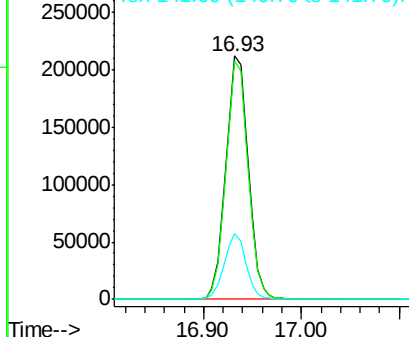
#41
 2,4,6-Tribromophenol
 Concen: 154.462 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.01 min
 Lab File: BG031702.D
 Acq: 22 Dec 2017 9:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	26.2	25.2	37.8

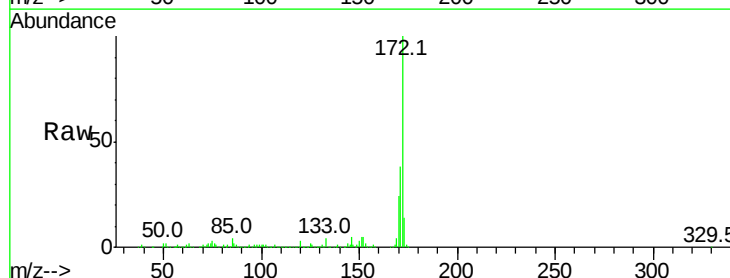


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

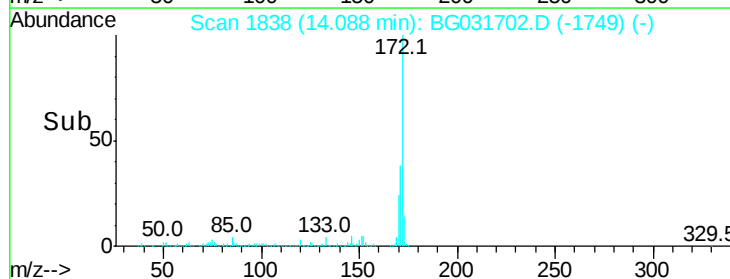
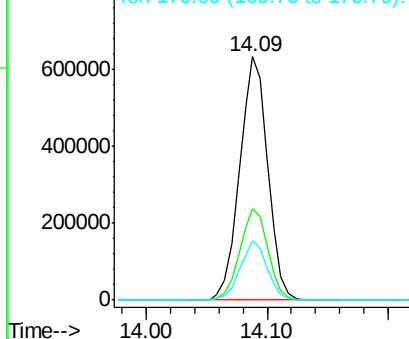


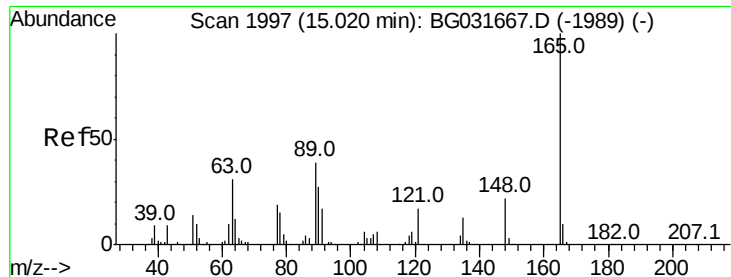
#44
 2-Fluorobiphenyl
 Concen: 89.173 ng
 RT: 14.09 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG031702.D
 Acq: 22 Dec 2017 9:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	24.2	19.5	29.3



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

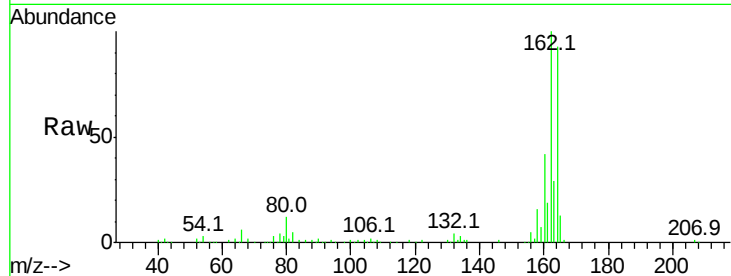




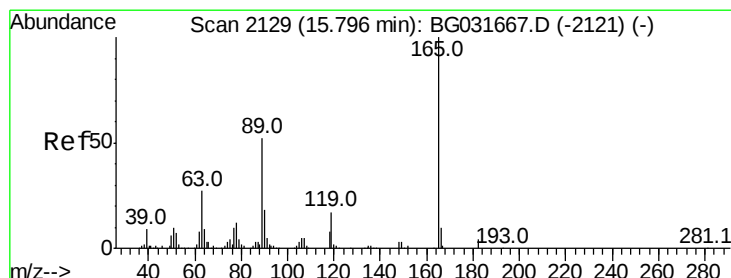
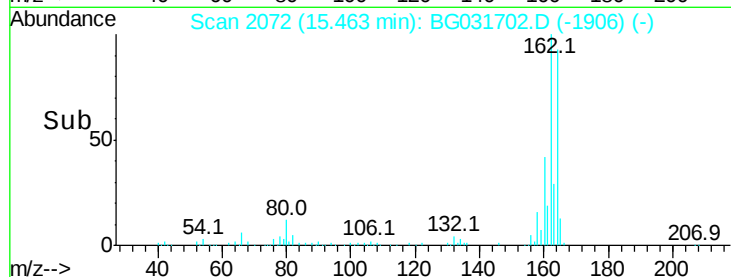
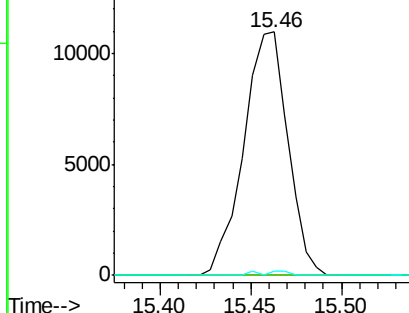
#50
 2,6-Dinitrotoluene
 Concen: 7.988 ng
 RT: 15.46 min Scan# 2072
 Delta R.T. 0.44 min
 Lab File: BG031702.D
 Acq: 22 Dec 2017 9:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.7	49.2	73.8#

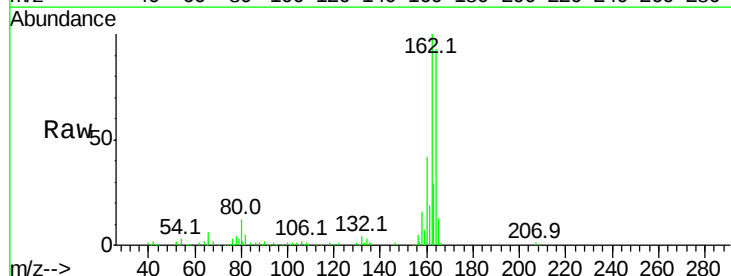


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

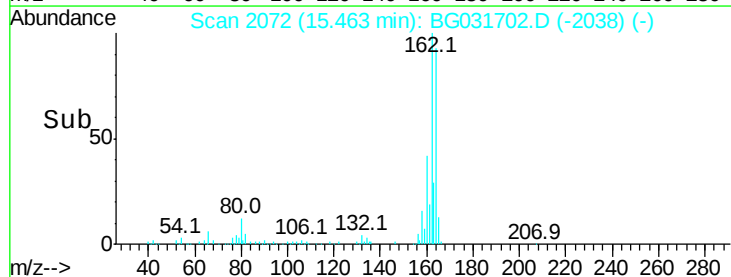
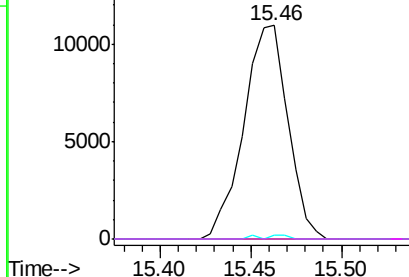


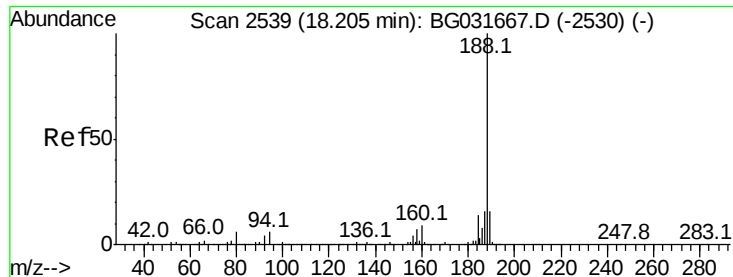
#56
 2,4-Dinitrotoluene
 Concen: 6.213 ng
 RT: 15.46 min Scan# 2072
 Delta R.T. -0.33 min
 Lab File: BG031702.D
 Acq: 22 Dec 2017 9:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.7	66.9	100.3#
182	0.0	2.6	3.8#



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
 Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.19 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

Instrument :

BNA_G

ClientSampleId :

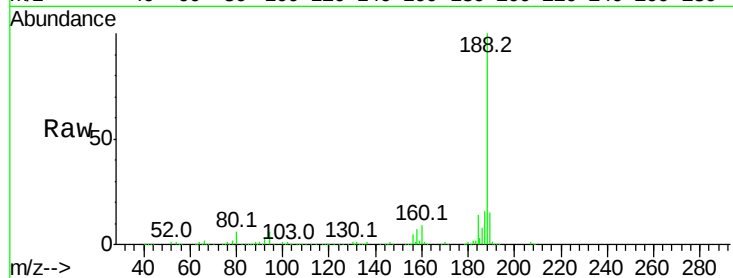
Tot Ion:188 Resp: 373368

Ion Ratio Lower Upper

188 100

94 5.7 6.9 10.3#

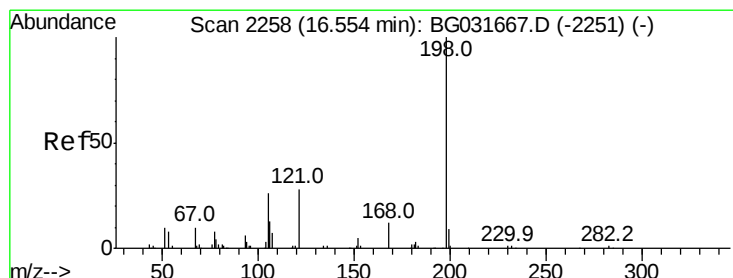
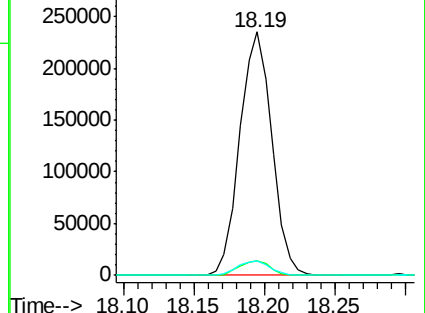
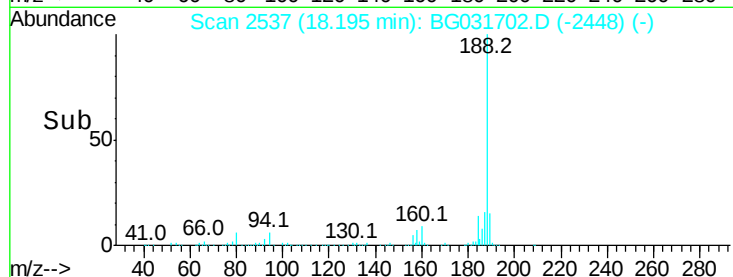
80 5.8 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 8.665 ng

RT: 16.93 min Scan# 2322

Delta R.T. 0.38 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

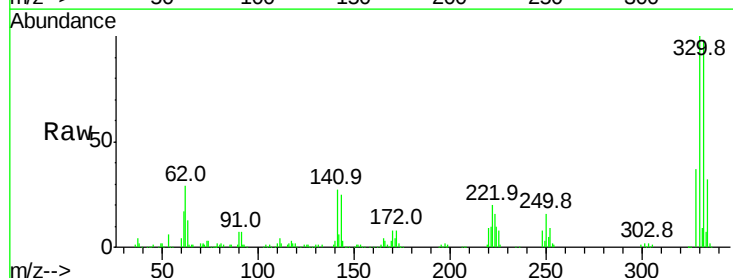
Tgt Ion:198 Resp: 788

Ion Ratio Lower Upper

198 100

51 94.2 30.6 70.6#

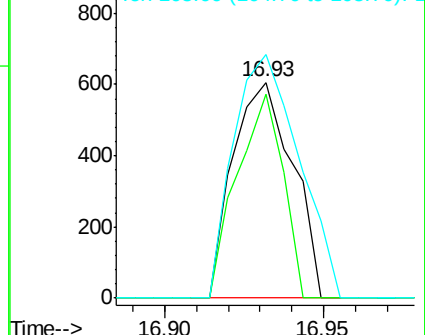
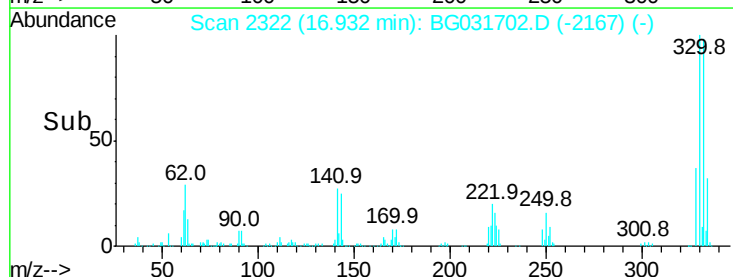
105 112.7 23.8 63.8#

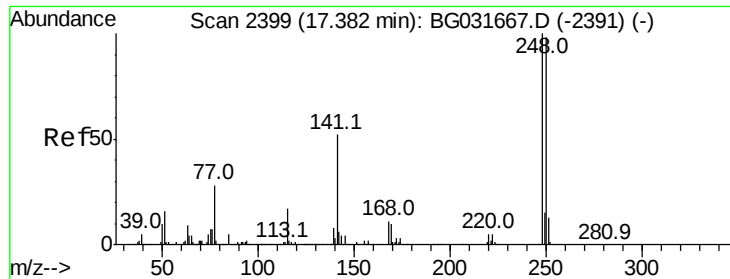


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

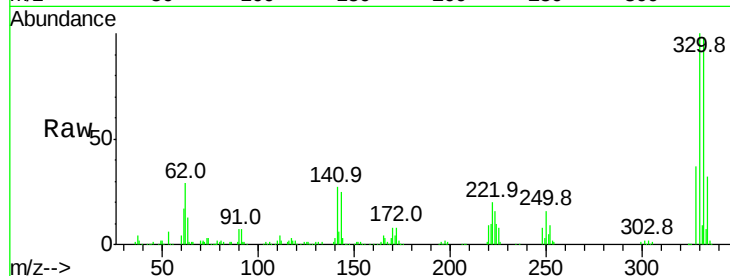




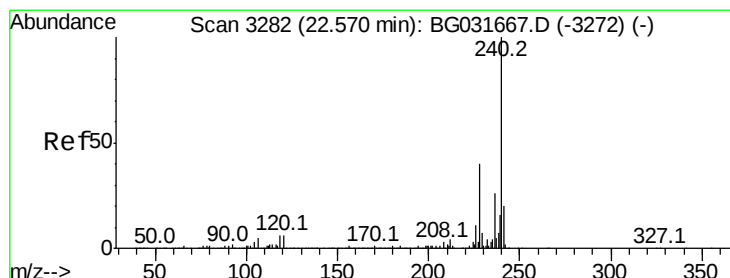
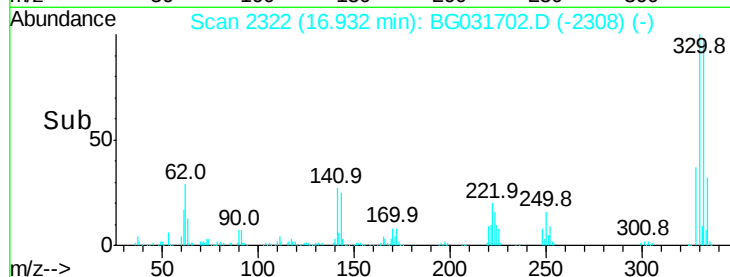
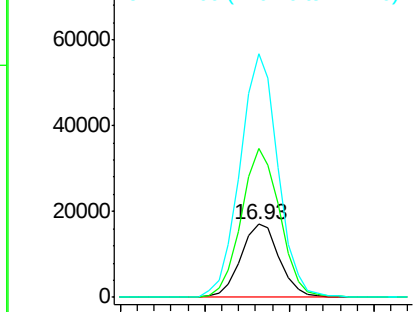
#66
4-Bromophenyl-phenylether
Concen: 4.994 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.45 min
Lab File: BG031702.D
Acq: 22 Dec 2017 9:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 26962
Ion Ratio Lower Upper
248 100
250 204.3 77.1 115.7#
141 333.9 50.8 76.2#

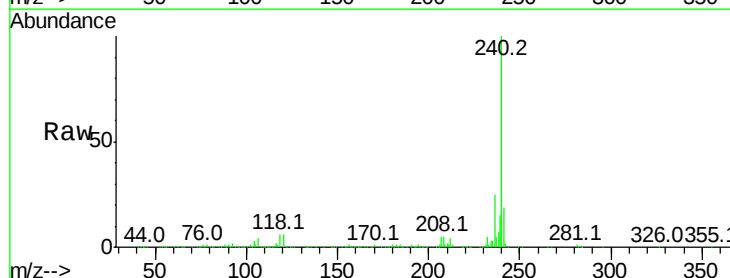


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

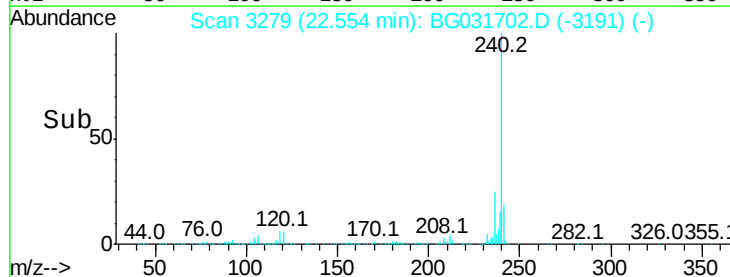
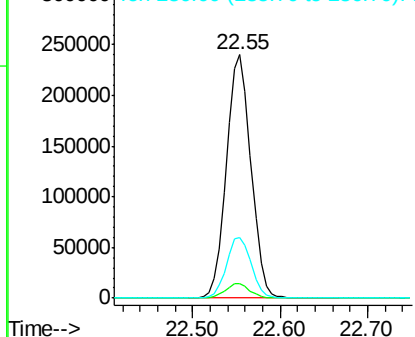


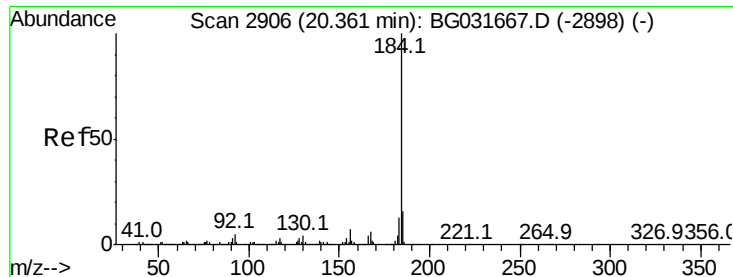
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3279
Delta R.T. -0.02 min
Lab File: BG031702.D
Acq: 22 Dec 2017 9:16

Tgt Ion:240 Resp: 458186
Ion Ratio Lower Upper
240 100
120 6.0 6.8 10.2#
236 24.7 20.9 31.3



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





#76

Benzidine

Concen: 3.498 ng

RT: 20.36 min Scan# 2905

Delta R.T. -0.00 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

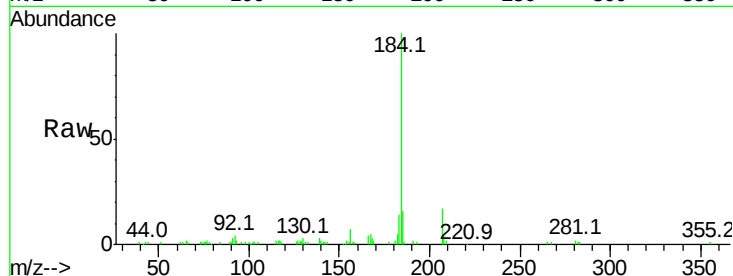
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 49474

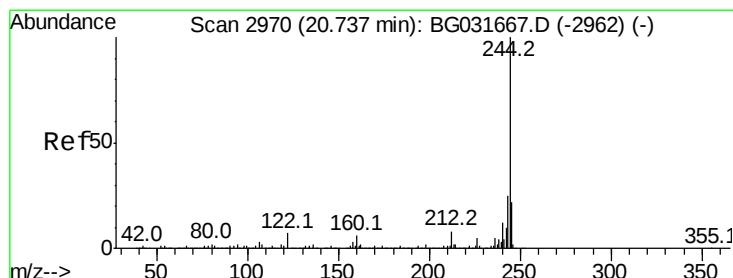
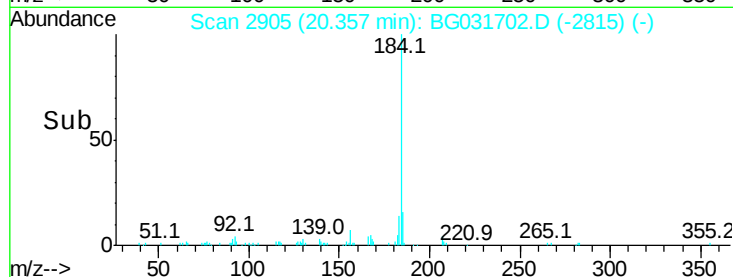
Ion	Ratio	Lower	Upper
184	100		
185	16.4	11.1	16.7
183	13.5	10.6	16.0



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



#78

Terphenyl-d14

Concen: 95.275 ng

RT: 20.73 min Scan# 2968

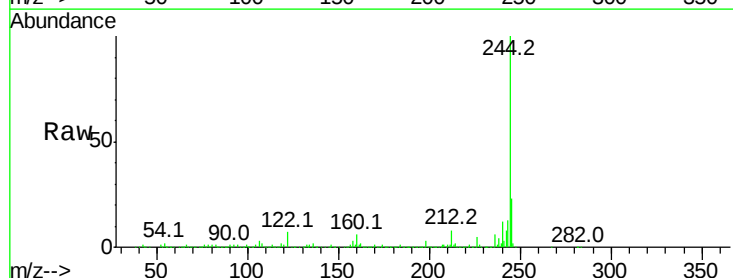
Delta R.T. -0.01 min

Lab File: BG031702.D

Acq: 22 Dec 2017 9:16

Tgt Ion:244 Resp: 1910730

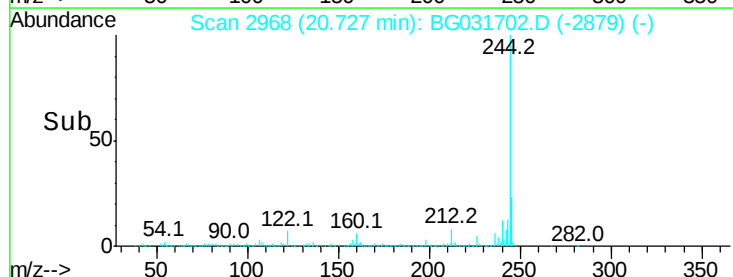
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	7.2	7.0	10.4

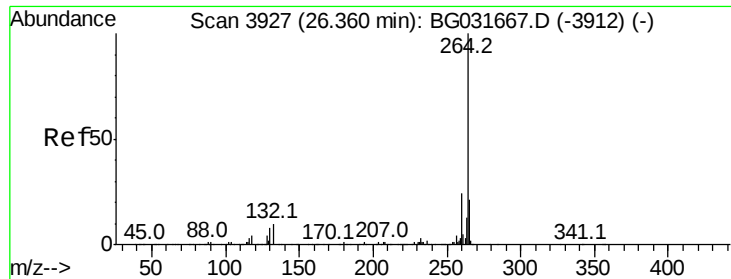


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

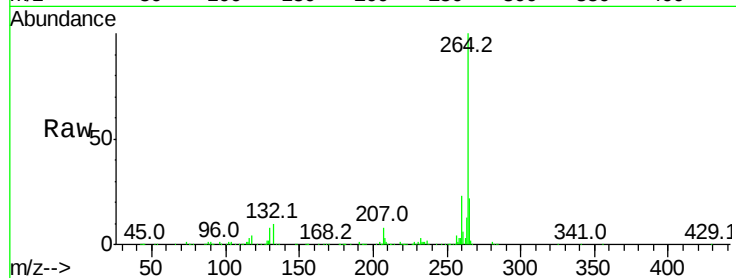




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.34 min Scan# 3923
 Delta R.T. -0.02 min
 Lab File: BG031702.D
 Acq: 22 Dec 2017 9:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	21.6	17.7	26.5



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

