

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031697.D
 Acq On : 22 Dec 2017 6:08
 Operator : SJ/JU
 Sample : I6988-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 07:26:19 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

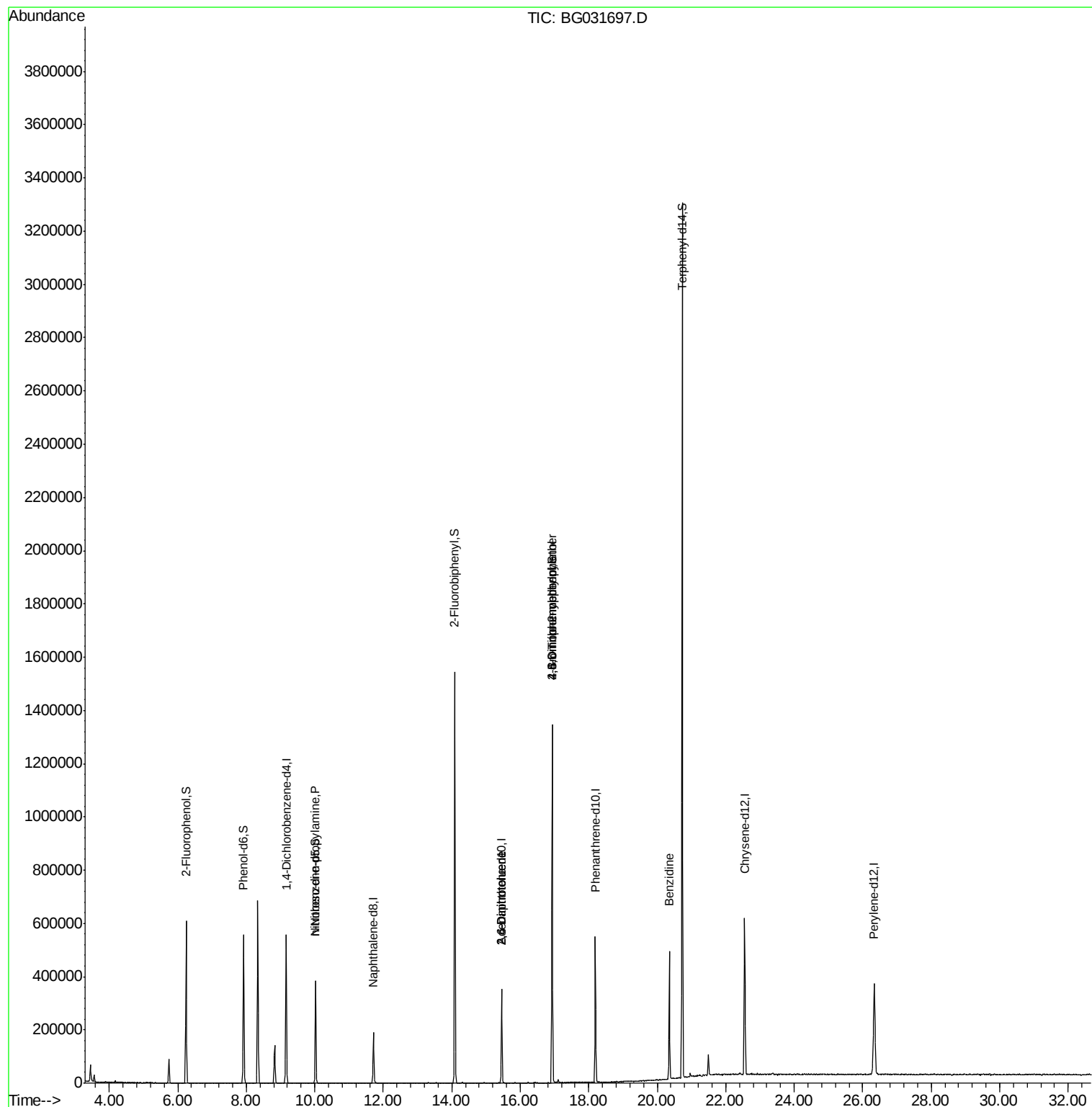
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.16	152	197003	20.00	ng	0.32
21) Naphthalene-d8	11.71	136	199961	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	138830	20.00	ng	0.00
63) Phenanthrene-d10	18.19	188	377568	20.00	ng	0.00
75) Chrysene-d12	22.55	240	448493	20.00	ng	-0.02
86) Perylene-d12	26.34	264	478168	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	333845	30.87	ng	0.00
7) Phenol-d6	7.92	99	386953	27.56	ng	0.00
23) Nitrobenzene-d5	10.02	82	250942	94.76	ng	-0.02
41) 2,4,6-Tribromophenol	16.93	330	321802	151.91	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	908040	82.09	ng	0.00
78) Terphenyl-d14	20.73	244	1833593	93.40	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.03	70	32297	3.368	ng	# 72
50) 2,6-Dinitrotoluene	15.46	165	17757	7.892	ng	# 21
56) 2,4-Dinitrotoluene	15.46	165	17757	6.138	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.93	198	817	8.674	ng	# 45
66) 4-Bromophenyl-phenylether	16.93	248	25620	4.692	ng	# 1
76) Benzidine	20.36	184	328774	23.750	ng	98

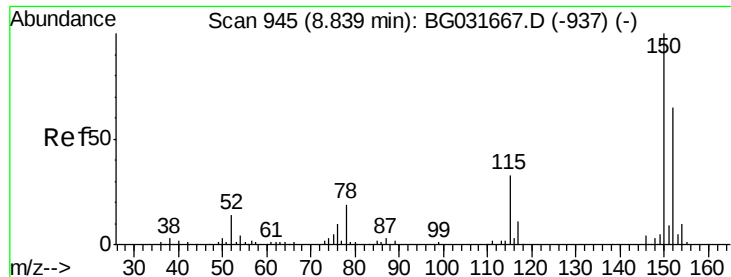
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 22 Sample Multiplier: 1

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Quant Time: Dec 22 07:26:19 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 9.16 min Scan# 1000

Delta R.T. 0.32 min

Lab File: BG031697.D

Acq: 22 Dec 2017 6:08

Instrument :

BNA_G

ClientSampleId :

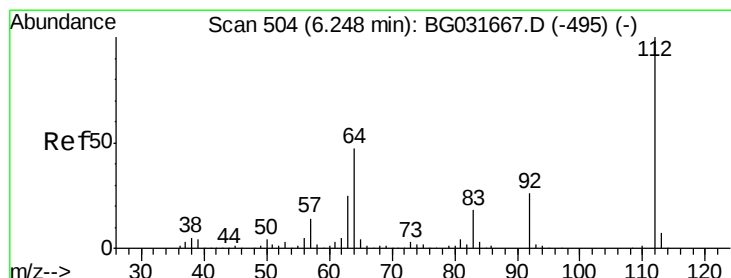
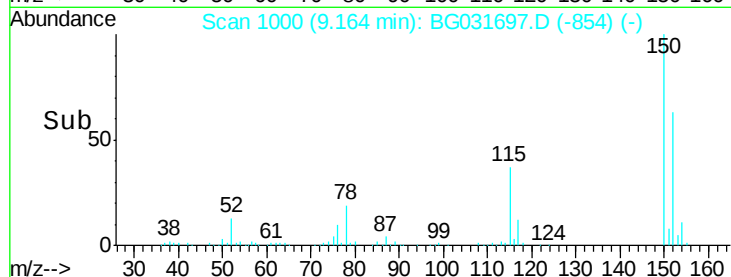
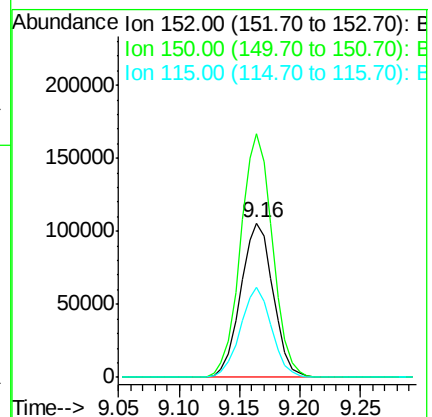
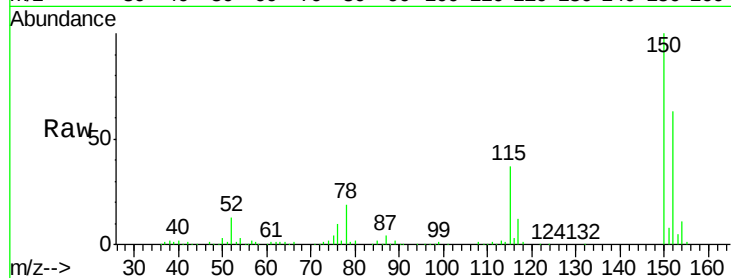
Tot Ion:152 Resp: 197003

Ion Ratio Lower Upper

152 100

150 157.9 126.6 189.8

115 58.1 53.0 79.4



#5

2-Fluorophenol

Concen: 30.866 ng

RT: 6.24 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG031697.D

Acq: 22 Dec 2017 6:08

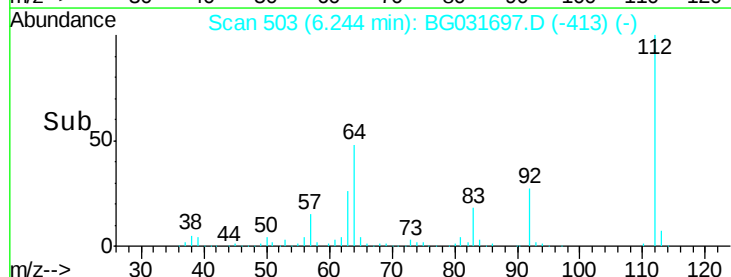
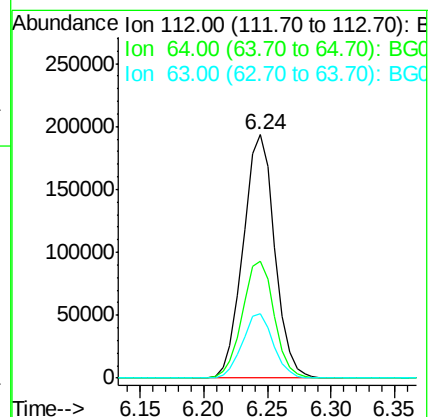
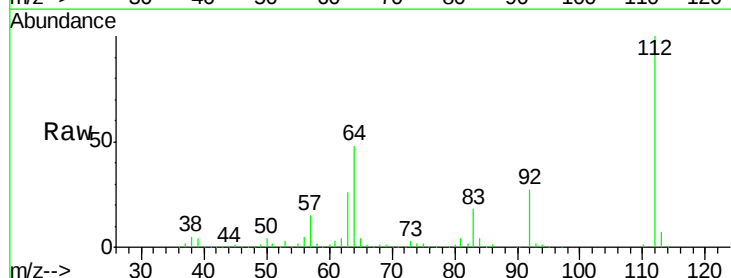
Tgt Ion:112 Resp: 333845

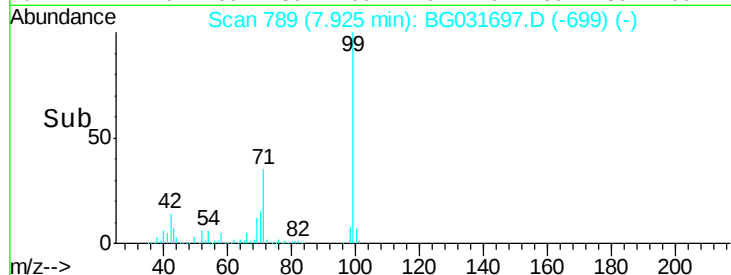
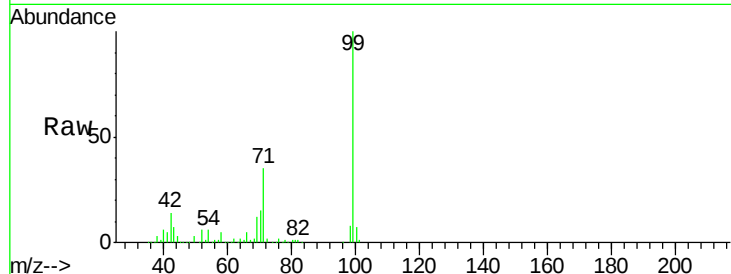
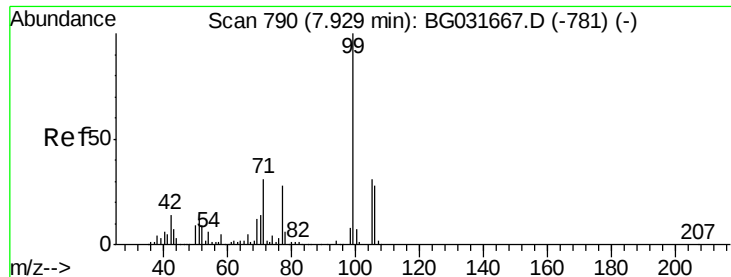
Ion Ratio Lower Upper

112 100

64 48.1 56.3 84.5#

63 26.4 30.1 45.1#

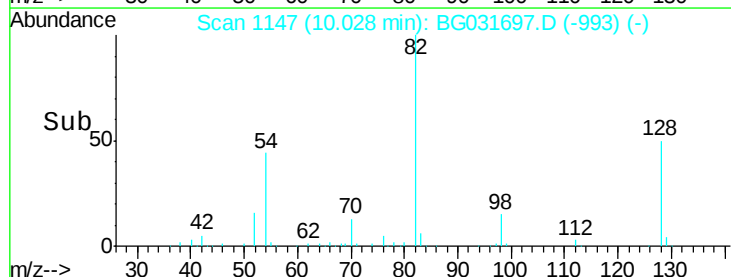
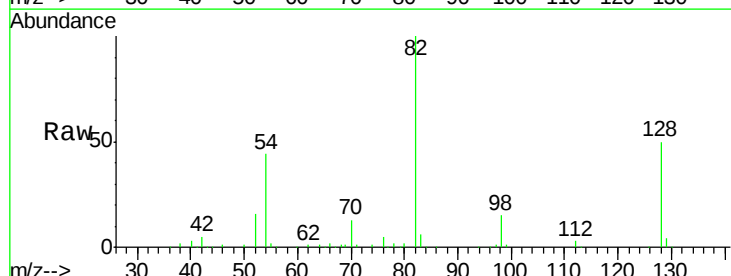
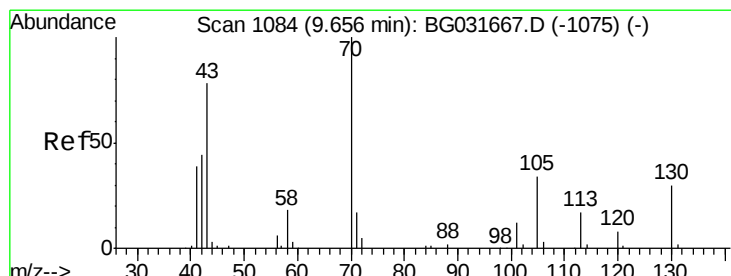
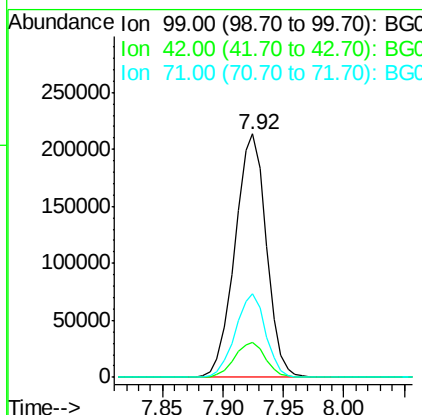




#7
Phenol-d6
Concen: 27.555 ng
RT: 7.92 min Scan# 789
Delta R.T. -0.00 min
Lab File: BG031697.D
Acq: 22 Dec 2017 6:08

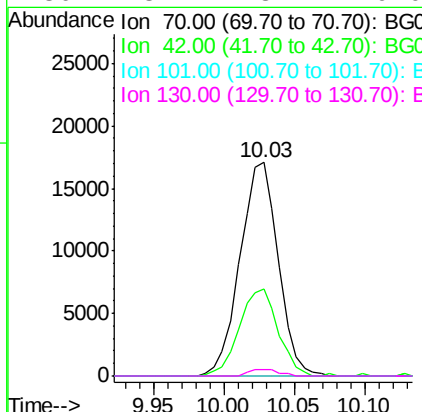
Instrument :
BNA_G
ClientSampled :

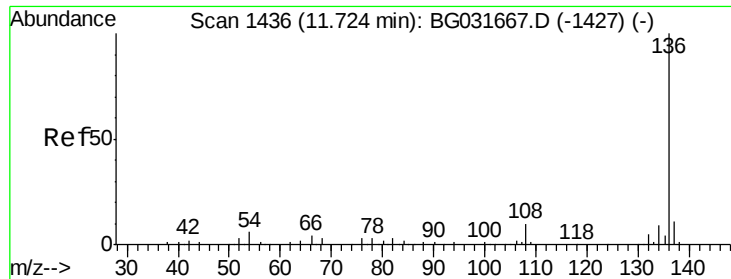
Tot Ion	Ratio	Lower	Upper
99	100		
42	14.1	14.1	21.1
71	34.5	26.1	39.1



#19
n-Nitroso-di-n-propylamine
Concen: 3.368 ng
RT: 10.03 min Scan# 1147
Delta R.T. 0.37 min
Lab File: BG031697.D
Acq: 22 Dec 2017 6:08

Tgt Ion	Ratio	Lower	Upper
70	100		
42	40.7	49.1	73.7#
101	0.0	8.5	12.7#
130	3.1	13.4	20.0#

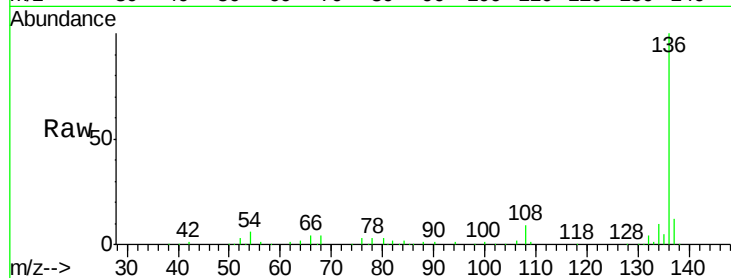




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031697.D
Acq: 22 Dec 2017 6:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	5.6	10.3	15.5#
68	3.6	4.5	6.7#



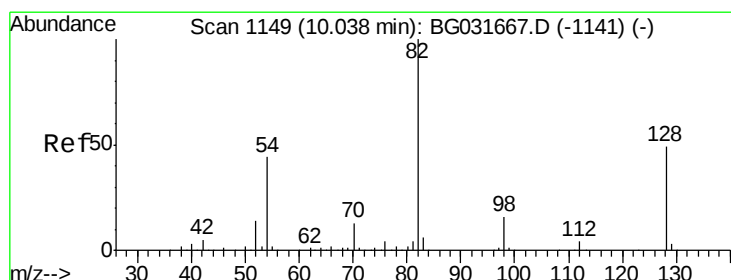
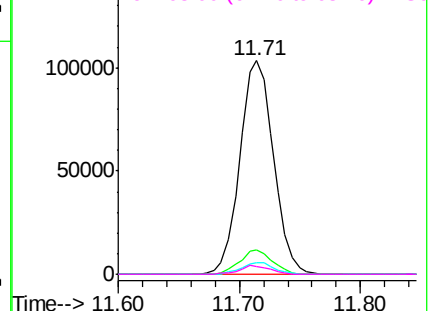
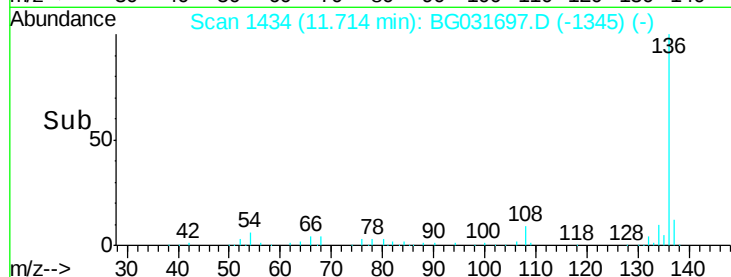
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

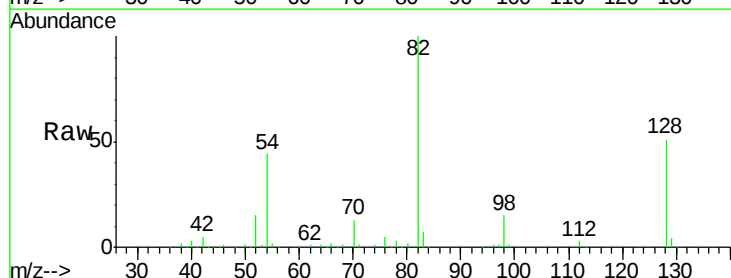
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 94.764 ng
RT: 10.02 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BG031697.D
Acq: 22 Dec 2017 6:08

Tgt Ion	Ratio	Lower	Upper
82	100		
128	50.8	29.7	44.5#
54	44.0	43.1	64.7

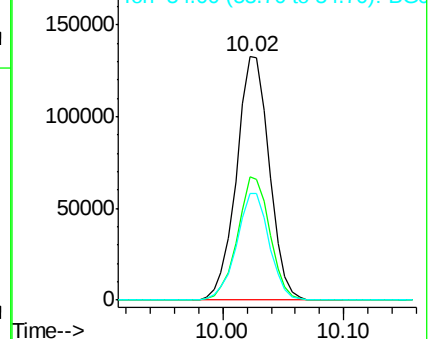
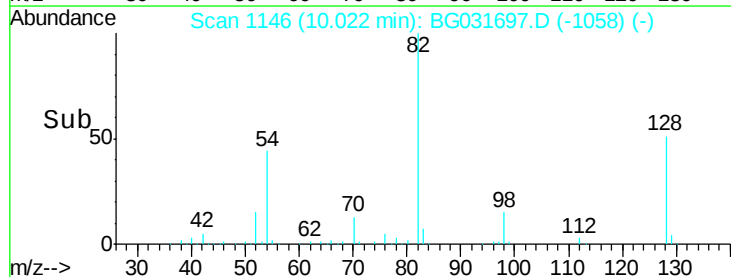


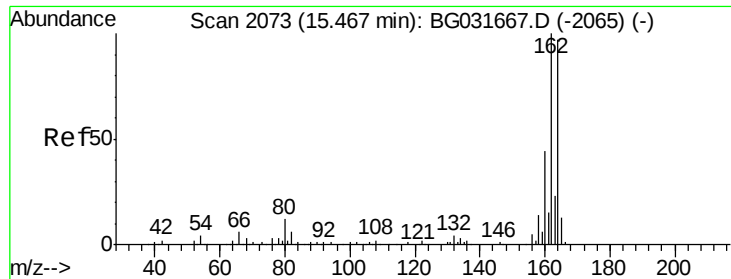
Abundance

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

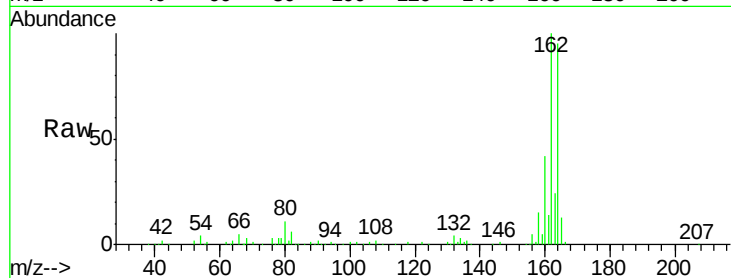




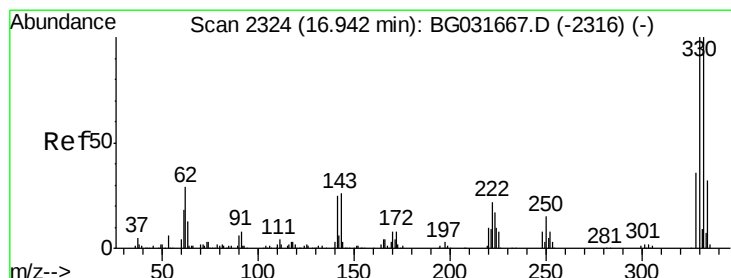
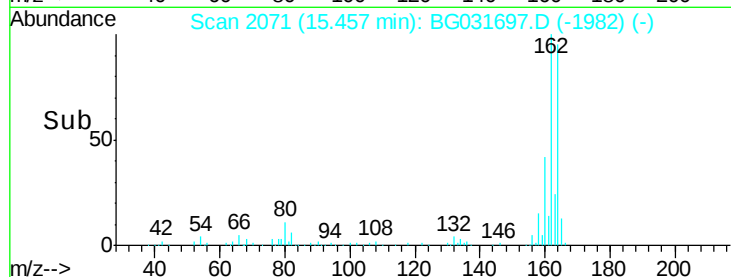
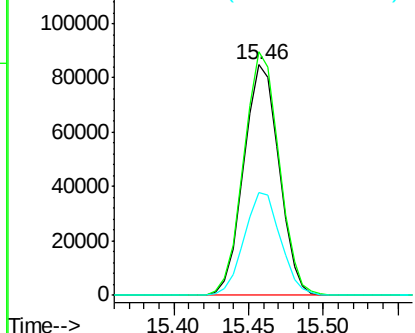
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: BG031697.D
 Acq: 22 Dec 2017 6:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 138830
 Ion Ratio Lower Upper
 164 100
 162 105.5 78.8 118.2
 160 44.7 35.4 53.0

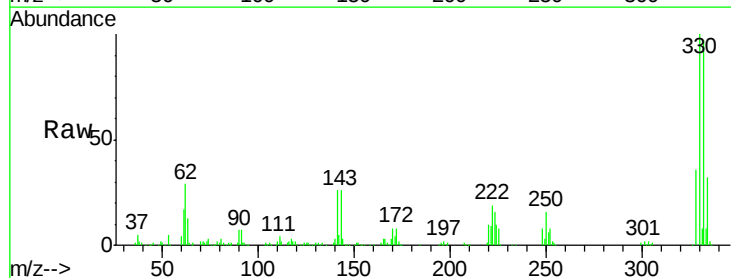


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

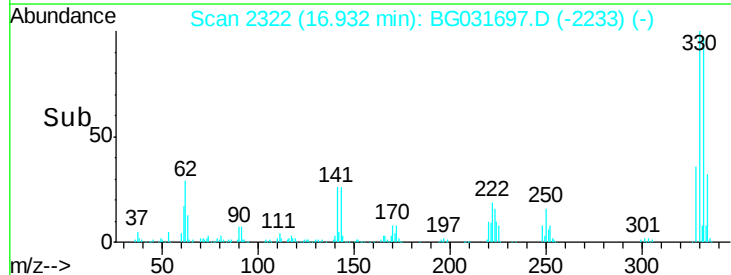
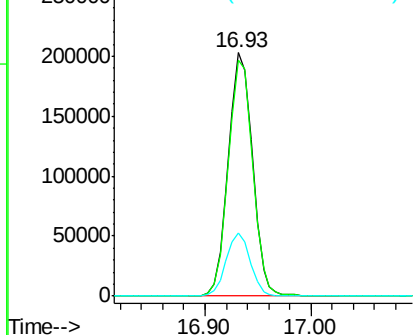


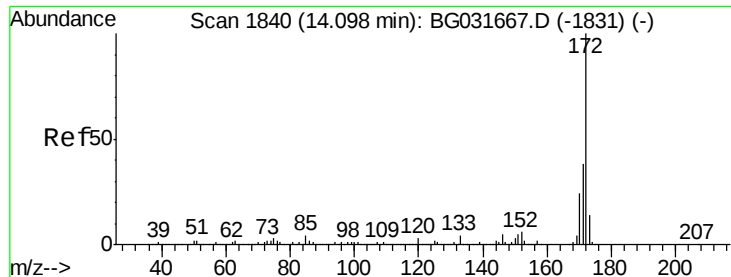
#41
 2,4,6-Tribromophenol
 Concen: 151.911 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.01 min
 Lab File: BG031697.D
 Acq: 22 Dec 2017 6:08

Tgt Ion:330 Resp: 321802
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 26.0 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

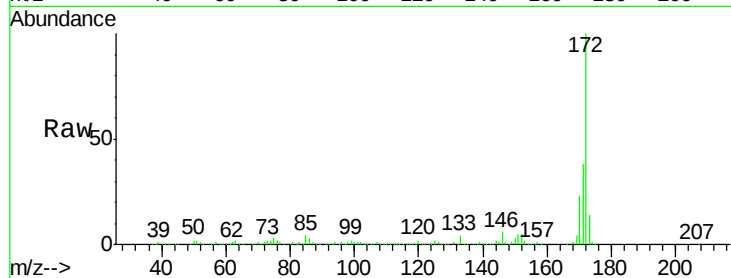




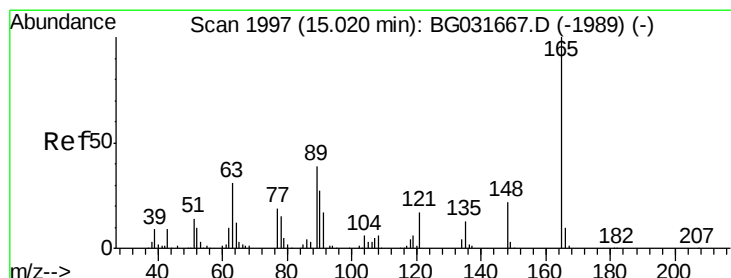
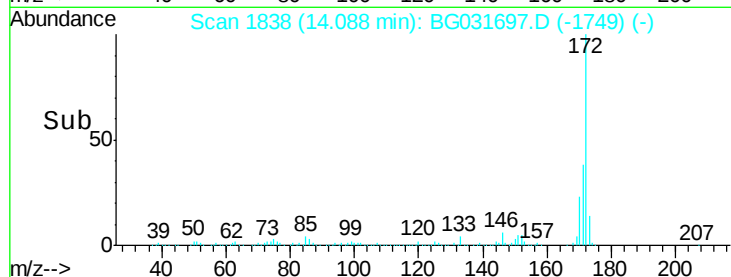
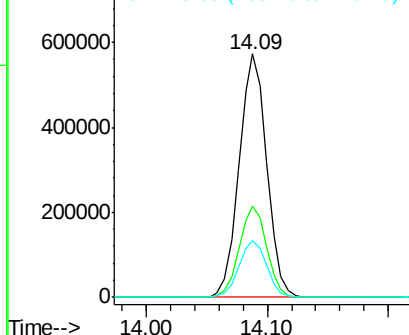
#44
 2-Fluorobiphenyl
 Concen: 82.094 ng
 RT: 14.09 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG031697.D
 Acq: 22 Dec 2017 6:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	23.4	19.5	29.3

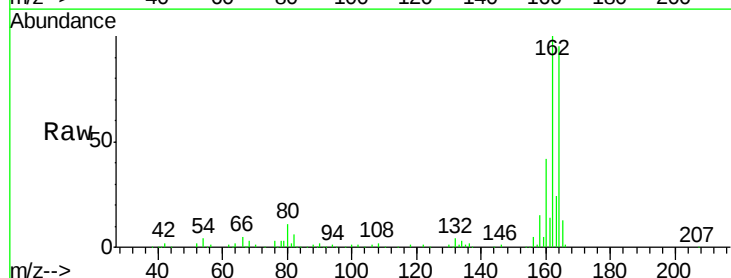


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

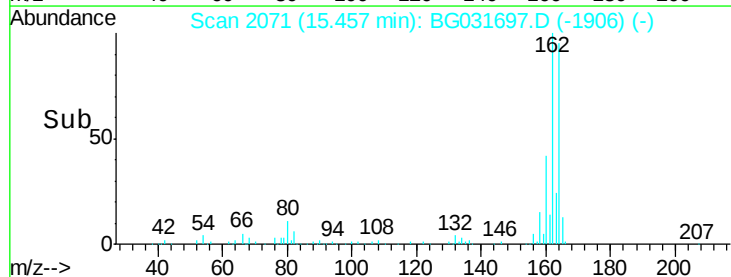
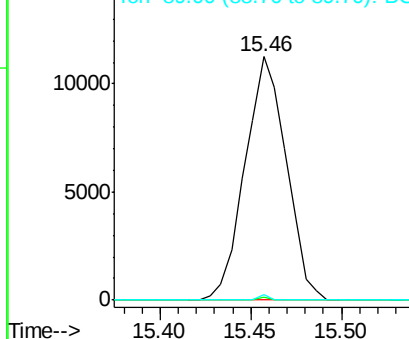


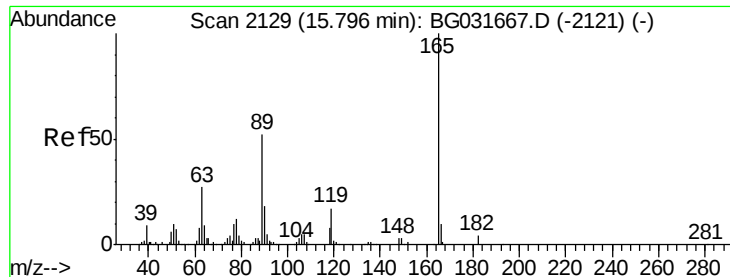
#50
 2,6-Dinitrotoluene
 Concen: 7.892 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. 0.44 min
 Lab File: BG031697.D
 Acq: 22 Dec 2017 6:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	52.7	79.1#
89	2.3	49.2	73.8#



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

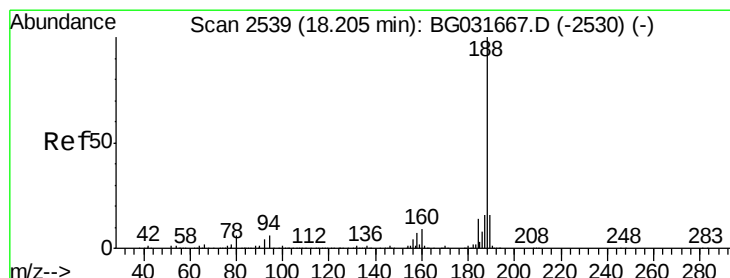
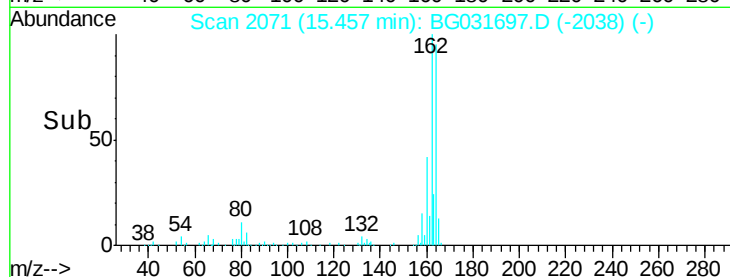
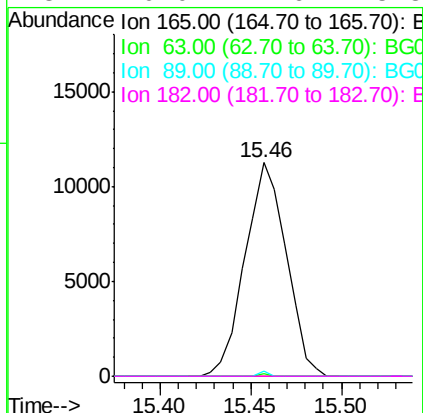
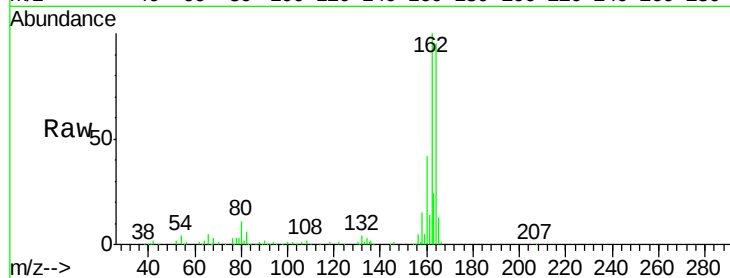




#56
 2,4-Dinitrotoluene
 Concen: 6.138 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.34 min
 Lab File: BG031697.D
 Acq: 22 Dec 2017 6:08

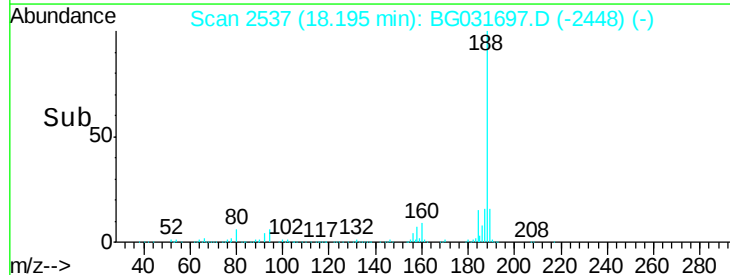
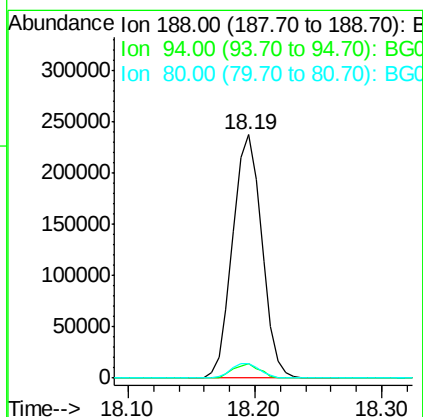
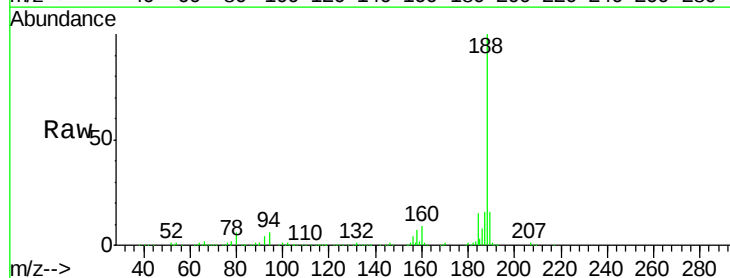
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 BNA_G
 ClientSampleId :

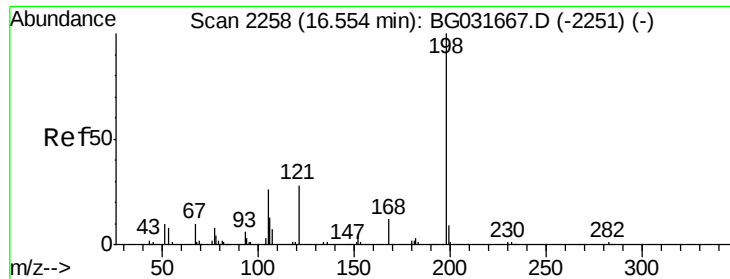
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.0	63.0#
89	2.3	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.19 min Scan# 2537
 Delta R.T. -0.01 min
 Lab File: BG031697.D
 Acq: 22 Dec 2017 6:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	6.9	10.3#
80	6.0	7.7	11.5#

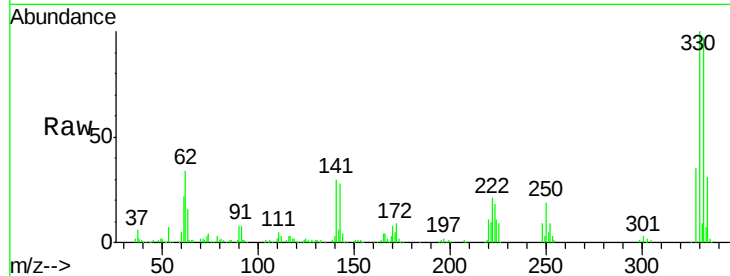




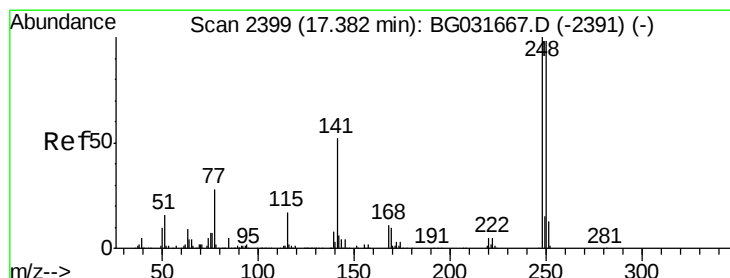
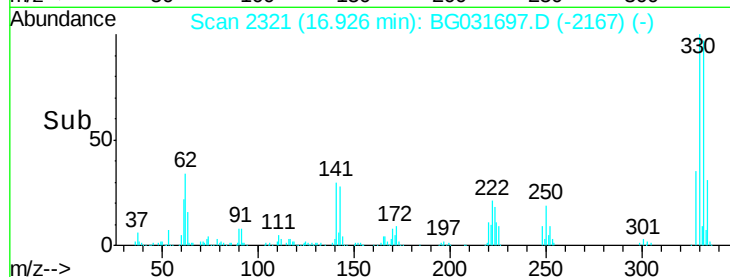
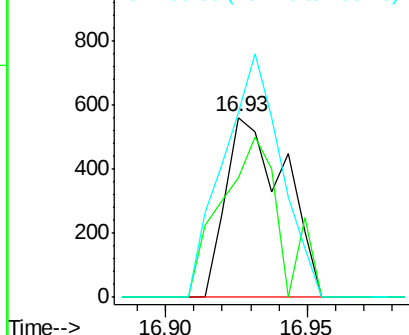
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.674 ng
 RT: 16.93 min Scan# 2321
 Delta R.T. 0.37 min
 Lab File: BG031697.D
 Acq: 22 Dec 2017 6:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	66.7	30.6	70.6
105	103.0	23.8	63.8

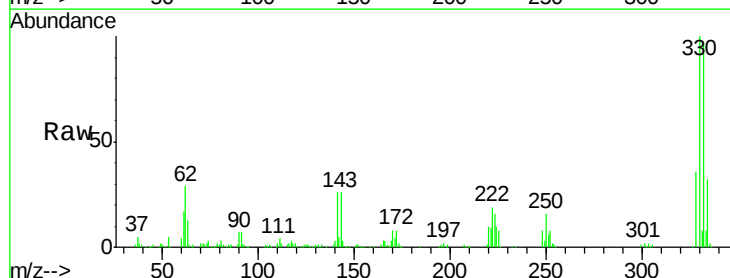


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGO
 Ion 105.00 (104.70 to 105.70): E

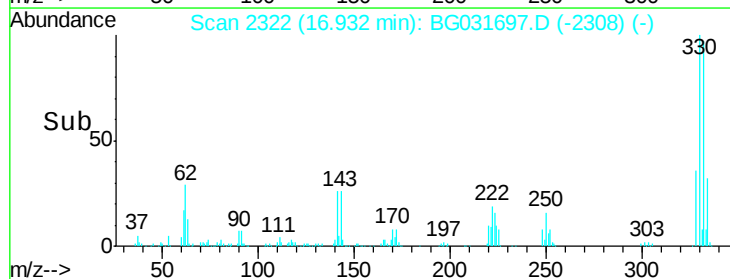
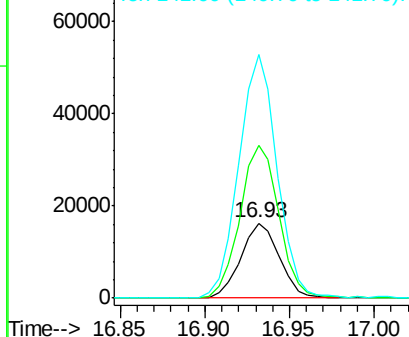


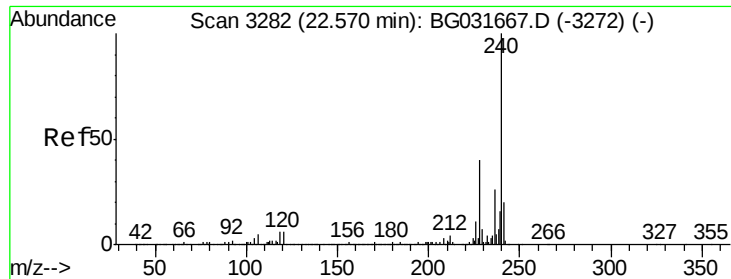
#66
 4-Bromophenyl-phenylether
 Concen: 4.692 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.45 min
 Lab File: BG031697.D
 Acq: 22 Dec 2017 6:08

Tgt Ion	Ratio	Lower	Upper
248	100		
250	204.6	77.1	115.7#
141	325.6	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: BG031697.D

Acq: 22 Dec 2017 6:08

Instrument :

BNA_G

ClientSampleId :

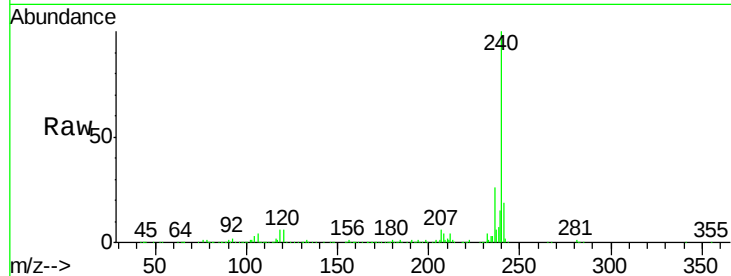
Tot Ion:240 Resp: 448493

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

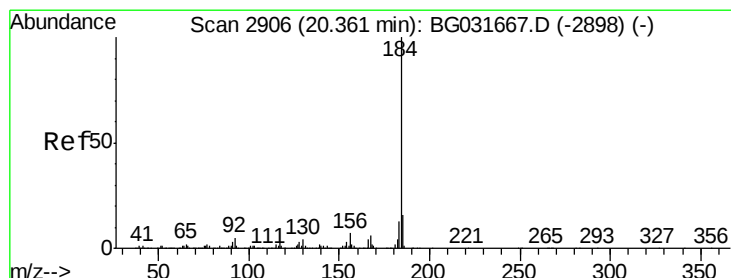
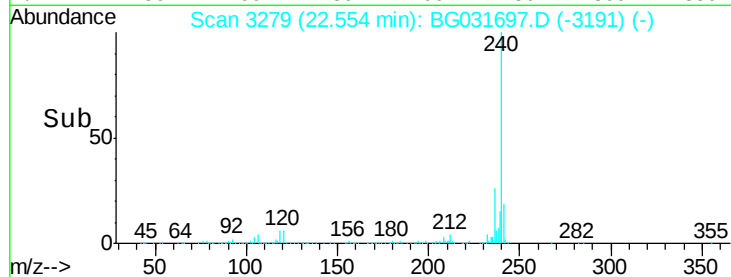
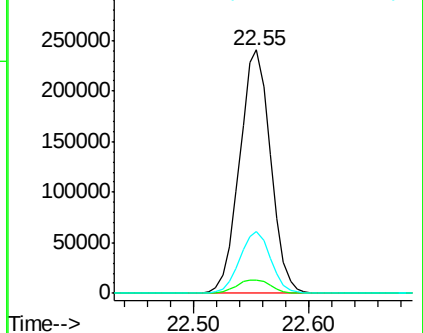
236 25.6 20.9 31.3



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: 23.750 ng

RT: 20.36 min Scan# 2905

Delta R.T. -0.00 min

Lab File: BG031697.D

Acq: 22 Dec 2017 6:08

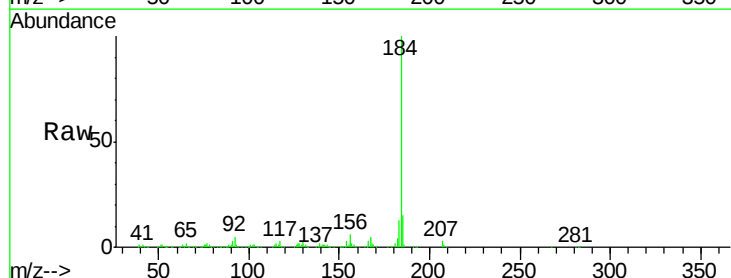
Tgt Ion:184 Resp: 328774

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

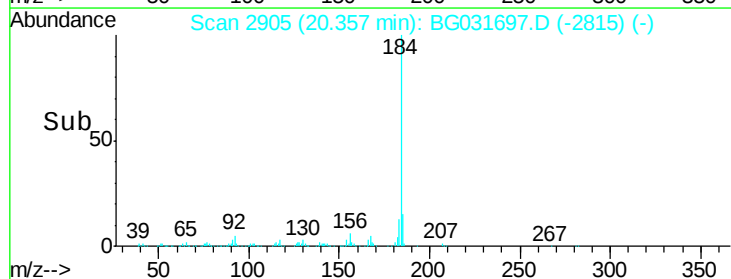
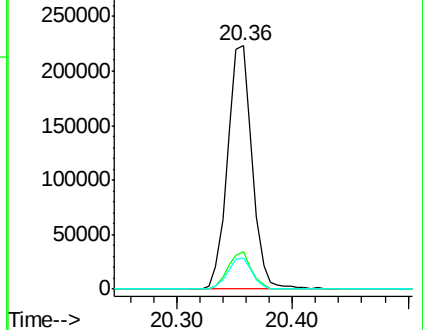
183 12.7 10.6 16.0

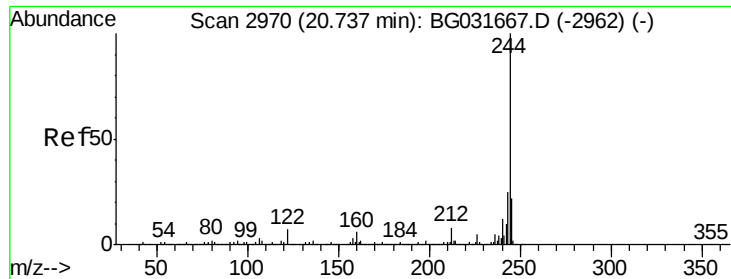


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



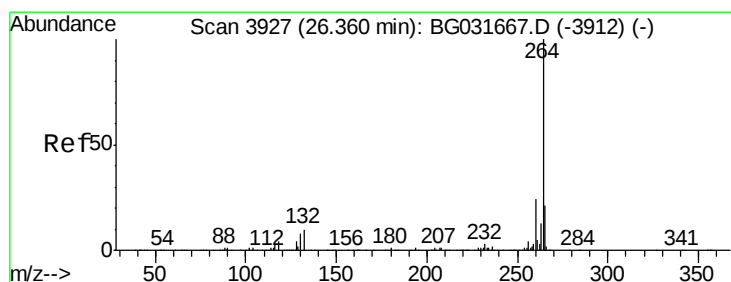
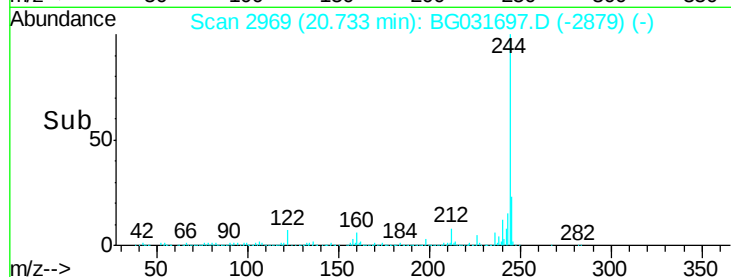
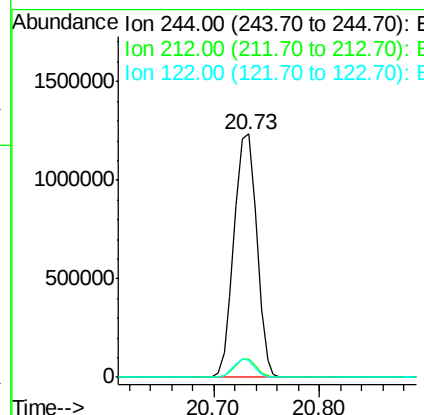
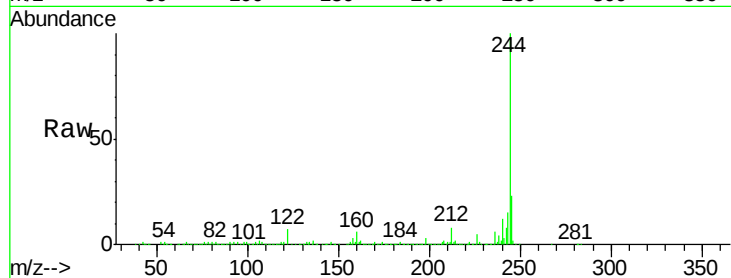


#78
 Terphenyl-d14
 Concen: 93.404 ng
 RT: 20.73 min Scan# 2969
 Delta R.T. -0.00 min
 Lab File: BG031697.D
 Acq: 22 Dec 2017 6:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1833593

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	7.0	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.34 min Scan# 3923
 Delta R.T. -0.02 min
 Lab File: BG031697.D
 Acq: 22 Dec 2017 6:08

Tgt Ion:264 Resp: 478168

Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	22.1	17.7	26.5

