

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122617\
 Data File : BG031759.D
 Acq On : 26 Dec 2017 13:29
 Operator : SJ/JU
 Sample : I6677-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-122117-B

Quant Time: Dec 26 16:01:49 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 11:08:55 2017
 Response via : Initial Calibration

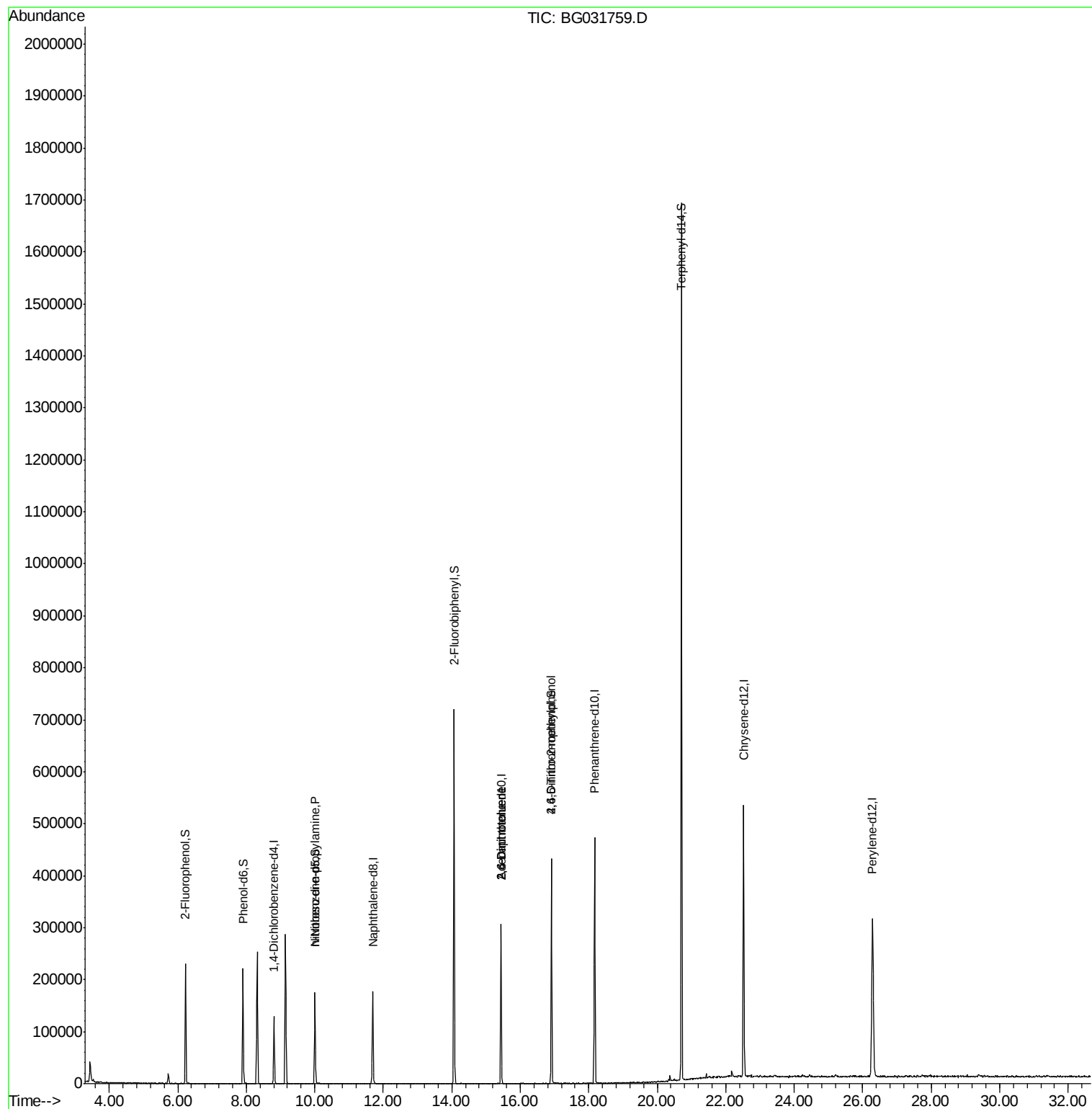
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.81	152	46070	20.00	ng	-0.03
21) Naphthalene-d8	11.70	136	179192	20.00	ng	-0.03
38) Acenaphthene-d10	15.44	164	117634	20.00	ng	-0.03
63) Phenanthrene-d10	18.17	188	325595	20.00	ng	-0.03
75) Chrysene-d12	22.52	240	413226	20.00	ng	-0.05
86) Perylene-d12	26.28	264	433693	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	127636	50.46	ng	-0.02
7) Phenol-d6	7.91	99	153845	46.85	ng	-0.02
23) Nitrobenzene-d5	10.00	82	110223	46.45	ng	-0.03
41) 2,4,6-Tribromophenol	16.91	330	106037	59.08	ng	-0.03
44) 2-Fluorobiphenyl	14.07	172	449137	47.92	ng	-0.03
78) Terphenyl-d14	20.70	244	897715	49.63	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.00	70	13928	6.210	ng	# 71
50) 2,6-Dinitrotoluene	15.44	165	15177	7.961	ng	# 18
56) 2,4-Dinitrotoluene	15.44	165	15177	6.191	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.91	198	362	8.495	ng	# 29

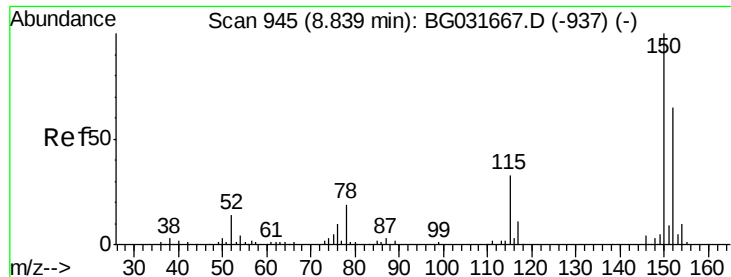
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.81 min Scan# 940

Delta R.T. -0.03 min

Lab File: BG031759.D

Acq: 26 Dec 2017 13:29

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BNA_G

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OR-02-122117-B

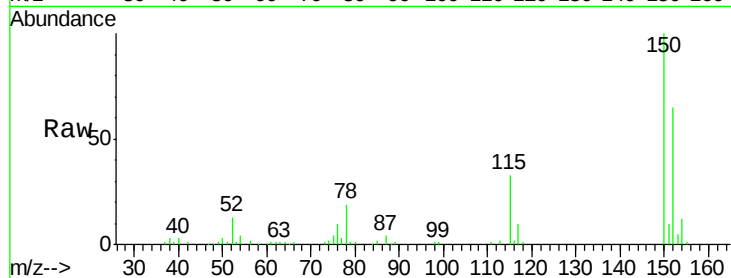
Tgt Ion:152 Resp: 46070

Ion Ratio Lower Upper

152 100

150 153.0 126.6 189.8

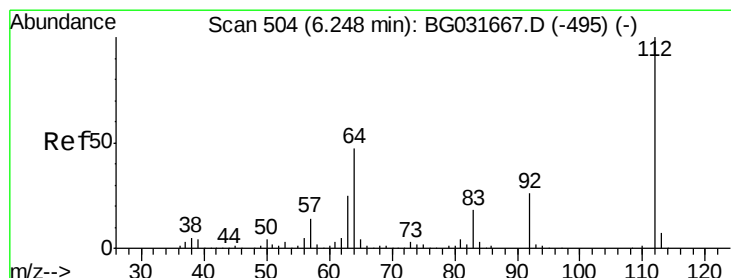
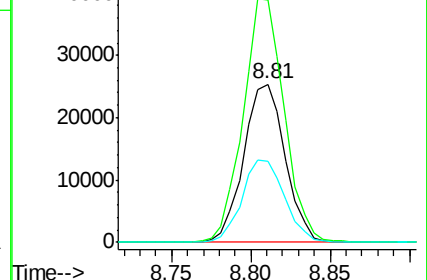
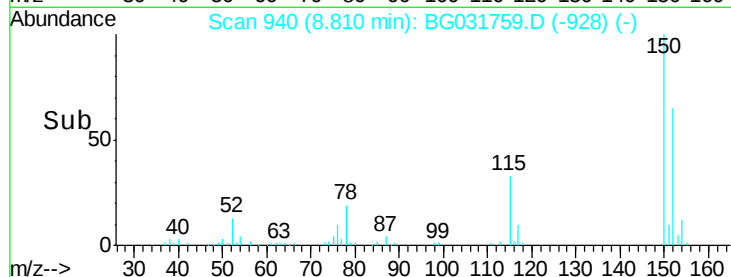
115 50.8 53.0 79.4#



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: 50.461 ng

RT: 6.23 min Scan# 500

Delta R.T. -0.02 min

Lab File: BG031759.D

Acq: 26 Dec 2017 13:29

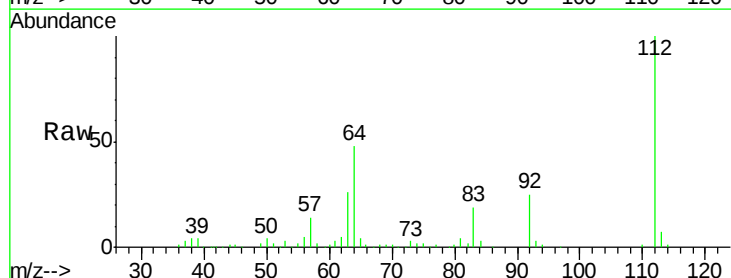
Tgt Ion:112 Resp: 127636

Ion Ratio Lower Upper

112 100

64 48.4 56.3 84.5#

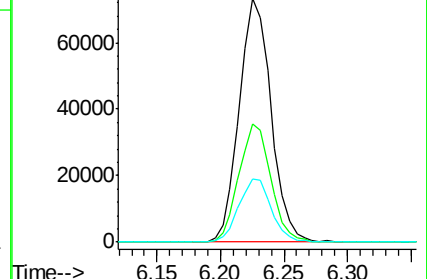
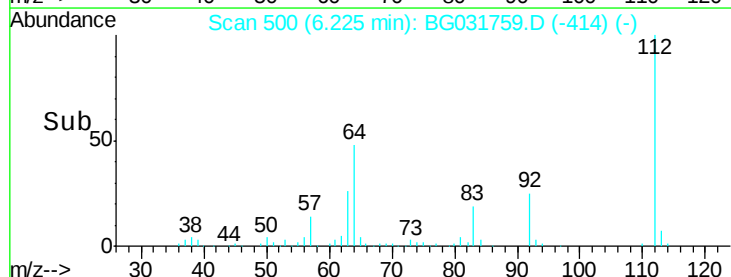
63 25.9 30.1 45.1#

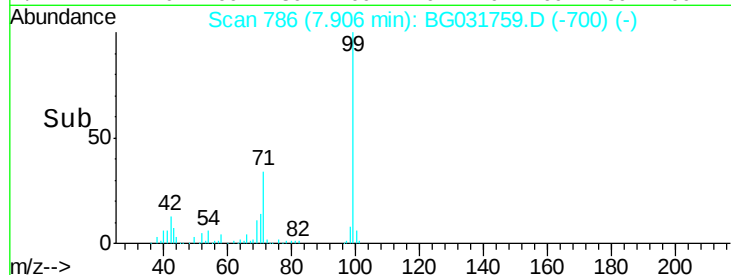
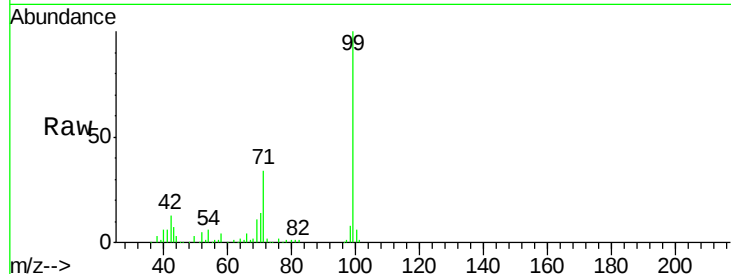


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

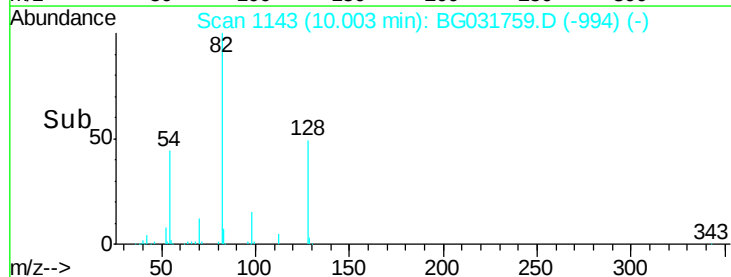
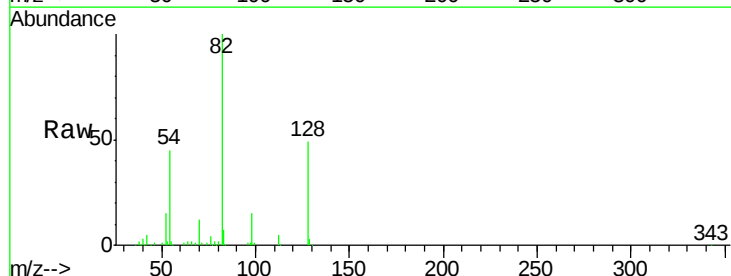
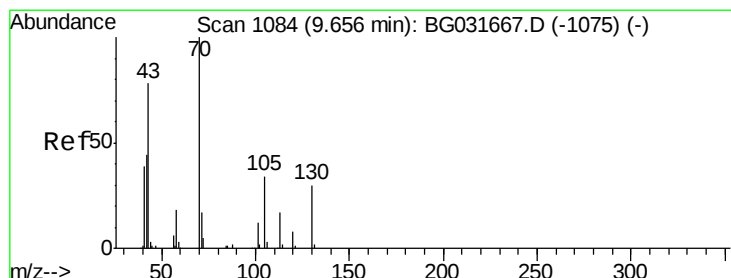
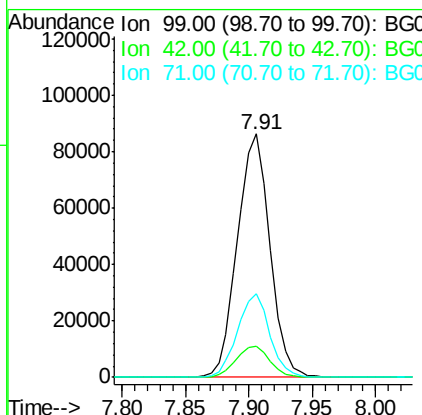




#7
 Phenol-d6
 Concen: 46.847 ng
 RT: 7.91 min Scan# 786
 Delta R.T. -0.02 min
 Lab File: BG031759.D
 Acq: 26 Dec 2017 13:29

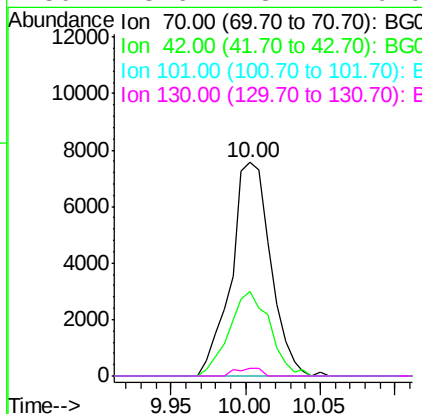
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-122117-B

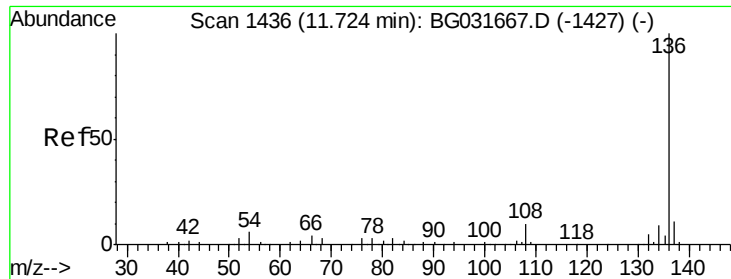
Tgt Ion	Ratio	Lower	Upper
99	100		
42	13.1	14.1	21.1#
71	34.3	26.1	39.1



#19
 n-Nitroso-di-n-propylamine
 Concen: 6.210 ng
 RT: 10.00 min Scan# 1143
 Delta R.T. 0.35 min
 Lab File: BG031759.D
 Acq: 26 Dec 2017 13:29

Tgt Ion	Ratio	Lower	Upper
70	100		
42	39.3	49.1	73.7#
101	0.0	8.5	12.7#
130	3.6	13.4	20.0#

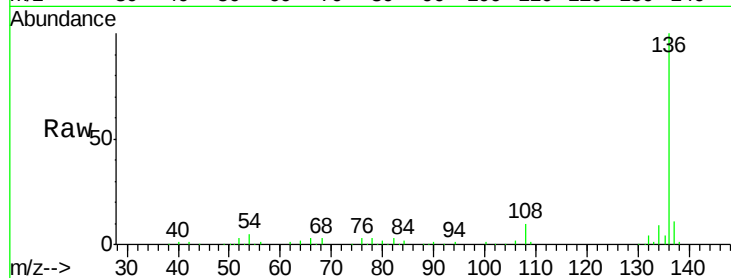




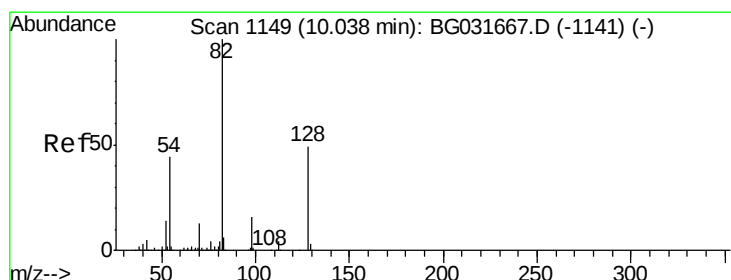
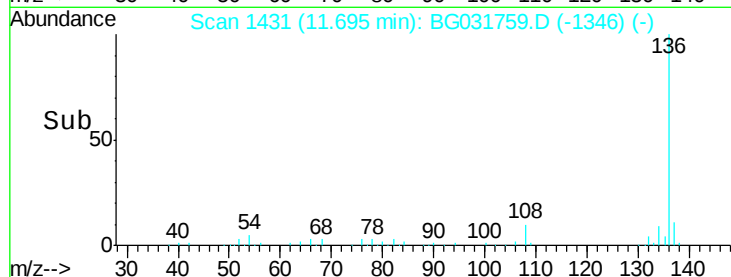
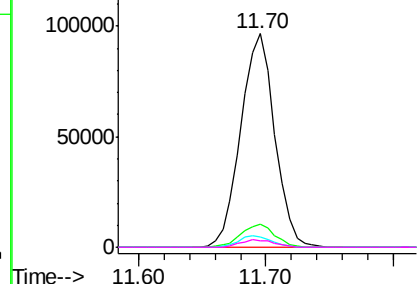
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.70 min Scan# 1431
Delta R.T. -0.03 min
Lab File: BG031759.D
Acq: 26 Dec 2017 13:29

Instrument :
BNA_G
ClientSampleId :
OR-02-122117-B

Tgt Ion:	136	Resp:	179192
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	4.8	10.3	15.5#
68	3.2	4.5	6.7#

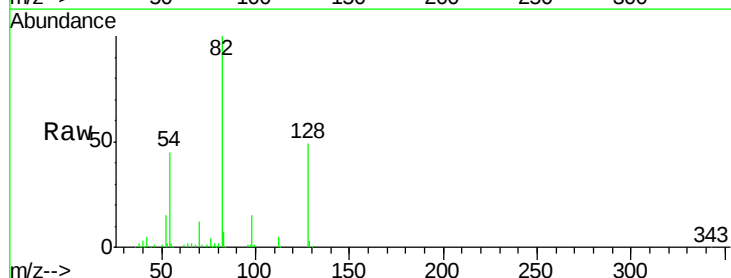


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

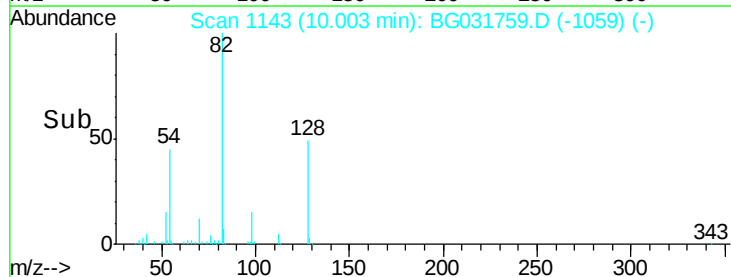
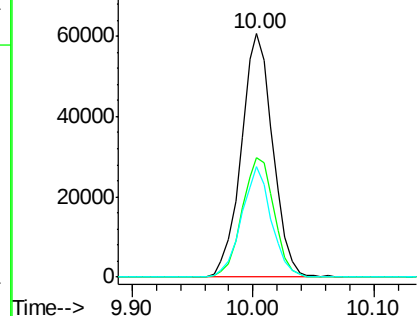


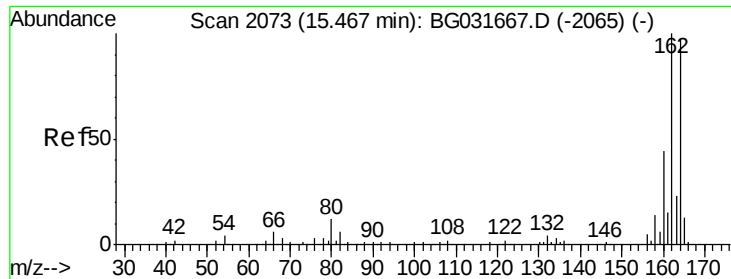
#23
Nitrobenzene-d5
Concen: 46.448 ng
RT: 10.00 min Scan# 1143
Delta R.T. -0.03 min
Lab File: BG031759.D
Acq: 26 Dec 2017 13:29

Tgt Ion:	82	Resp:	110223
Ion	Ratio	Lower	Upper
82	100		
128	49.3	29.7	44.5#
54	45.4	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: 15.44 min Scan# 2068

Delta R.T. -0.03 min

Lab File: BG031759.D

Acq: 26 Dec 2017 13:29

Instrument :

BNA_G

ClientSampleId :

OR-02-122117-B

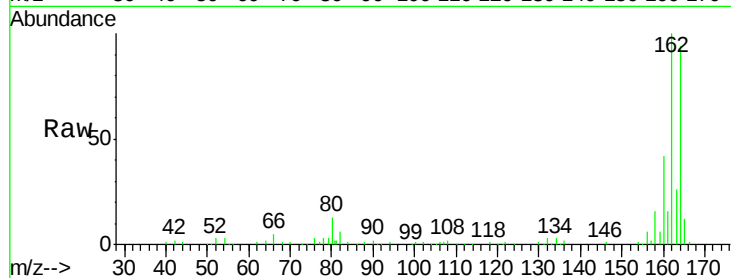
Tgt Ion:164 Resp: 117634

Ion Ratio Lower Upper

164 100

162 106.6 78.8 118.2

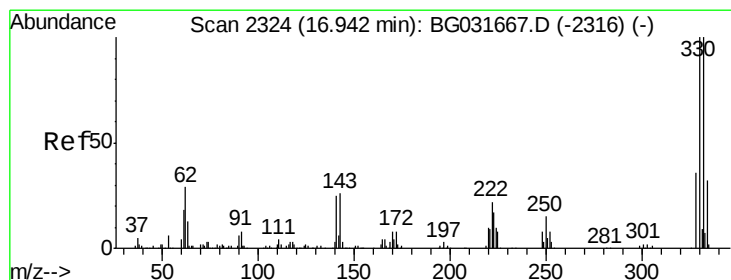
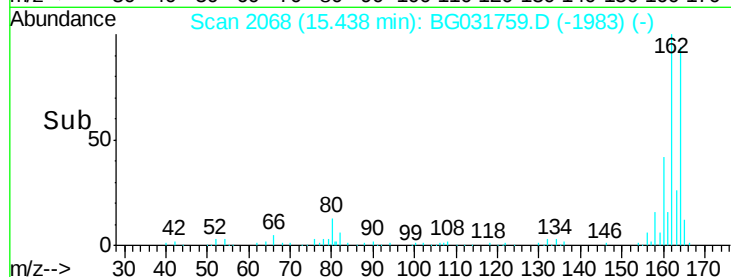
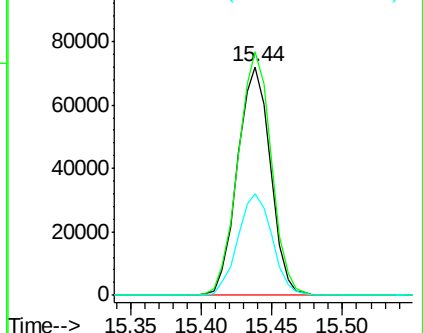
160 44.4 35.4 53.0



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: 59.076 ng

RT: 16.91 min Scan# 2318

Delta R.T. -0.03 min

Lab File: BG031759.D

Acq: 26 Dec 2017 13:29

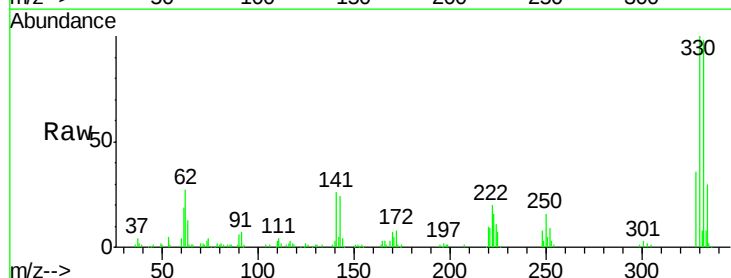
Tgt Ion:330 Resp: 106037

Ion Ratio Lower Upper

330 100

332 98.2 77.0 115.6

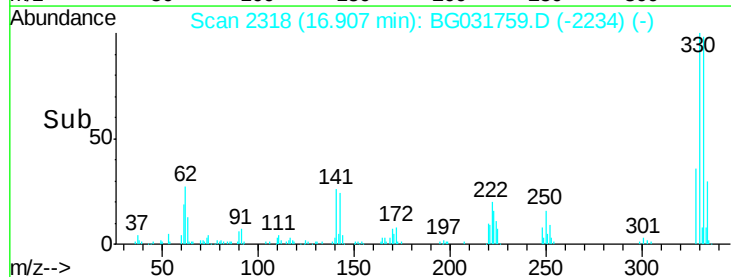
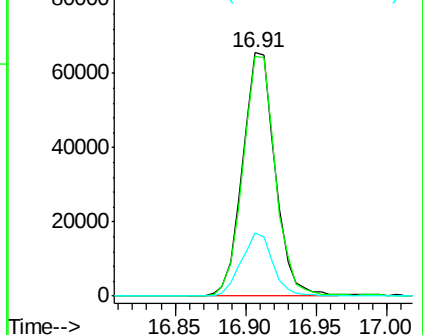
141 25.4 25.2 37.8

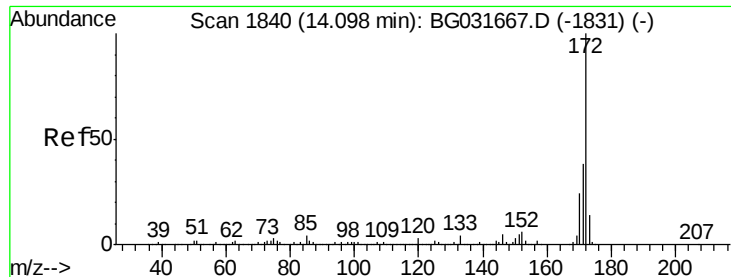


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

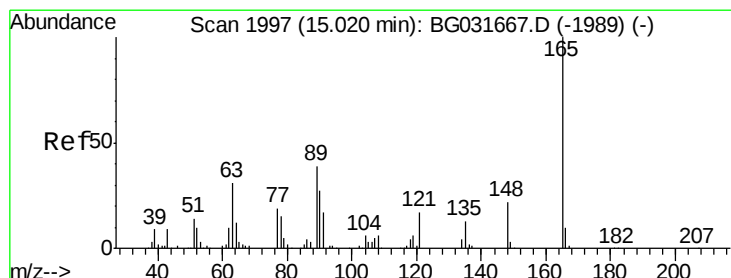
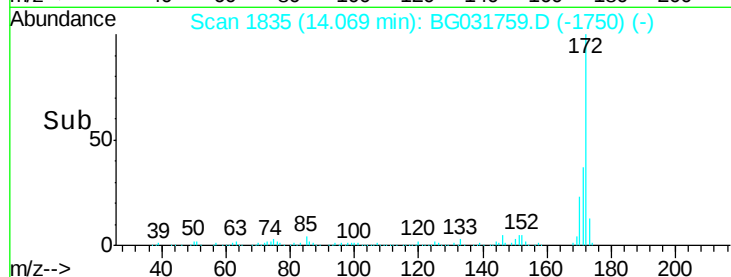
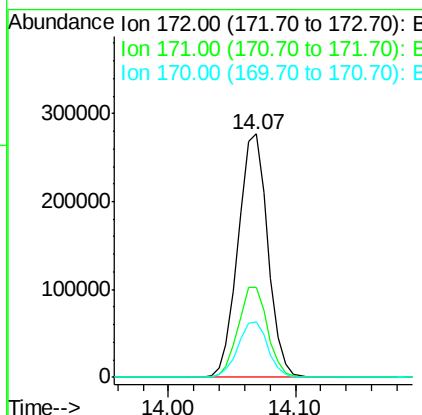
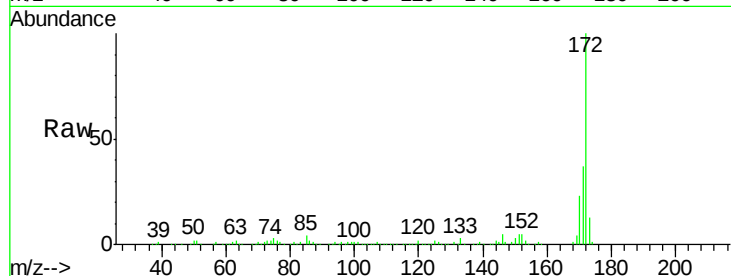




#44
 2-Fluorobiphenyl
 Concen: 47.922 ng
 RT: 14.07 min Scan# 1835
 Delta R.T. -0.03 min
 Lab File: BG031759.D
 Acq: 26 Dec 2017 13:29

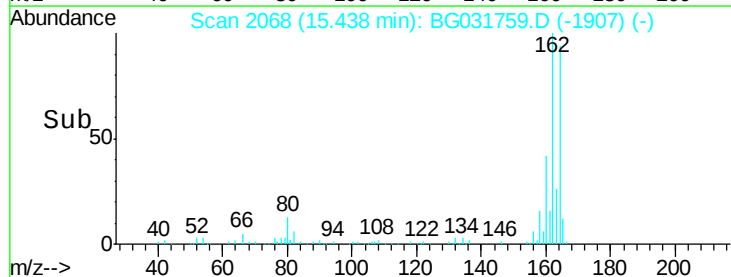
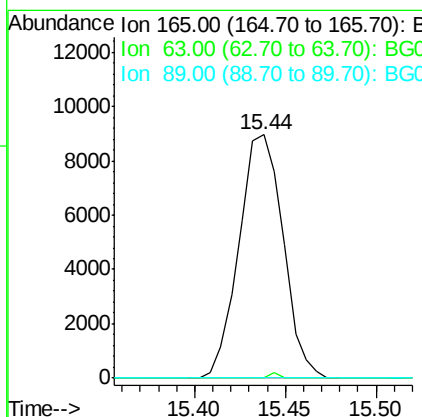
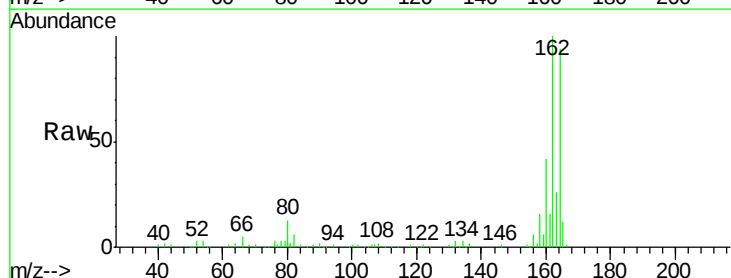
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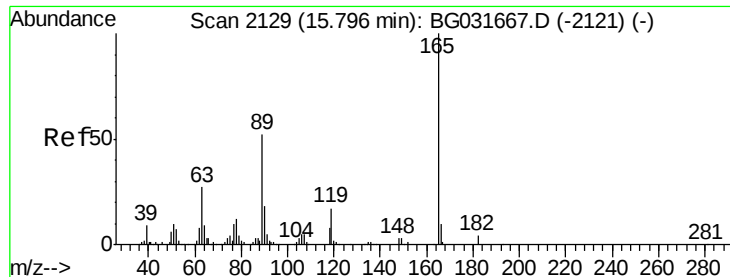
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.0	45.0
170	22.7	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.961 ng
 RT: 15.44 min Scan# 2068
 Delta R.T. 0.42 min
 Lab File: BG031759.D
 Acq: 26 Dec 2017 13:29

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

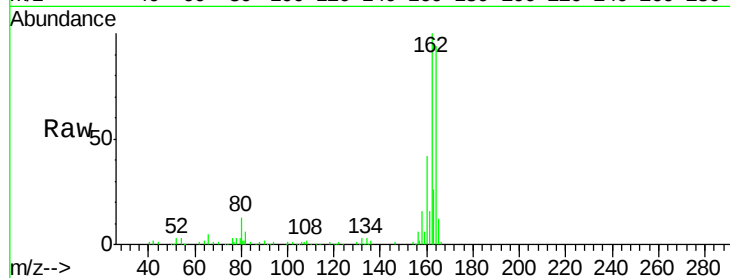




#56
 2,4-Dinitrotoluene
 Concen: 6.191 ng
 RT: 15.44 min Scan# 2068
 Delta R.T. -0.36 min
 Lab File: BG031759.D
 Acq: 26 Dec 2017 13:29

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-122117-B

Tgt Ion:	165	Resp:	15177
Ion Ratio	Lower	Upper	
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

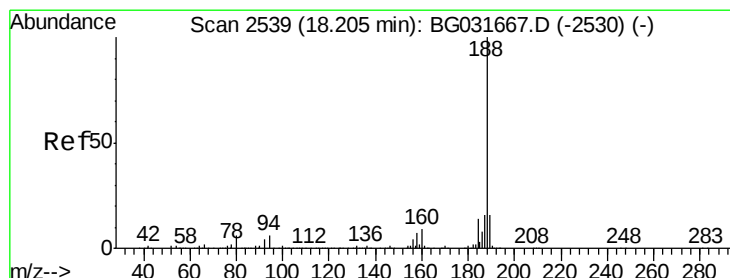
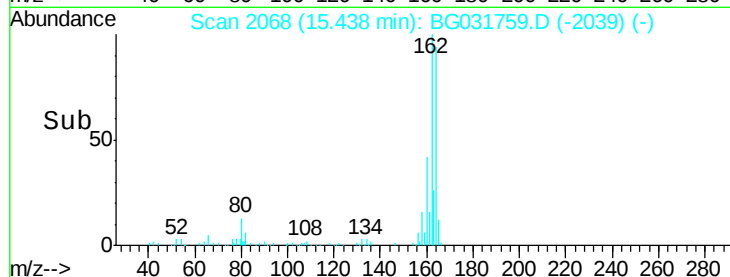
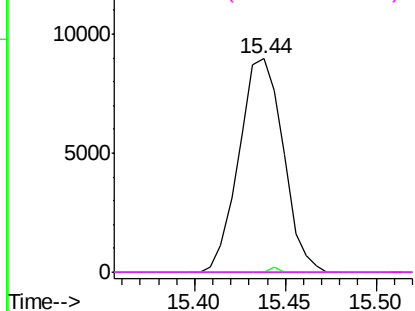


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

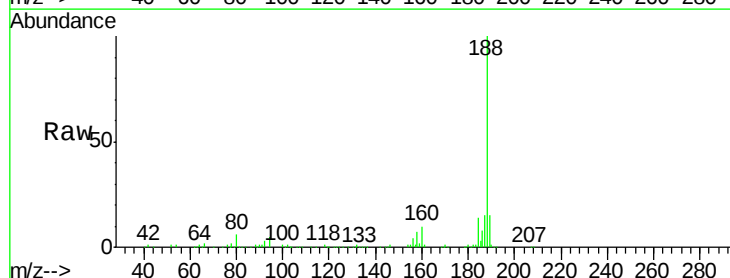
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.17 min Scan# 2533
 Delta R.T. -0.03 min
 Lab File: BG031759.D
 Acq: 26 Dec 2017 13:29

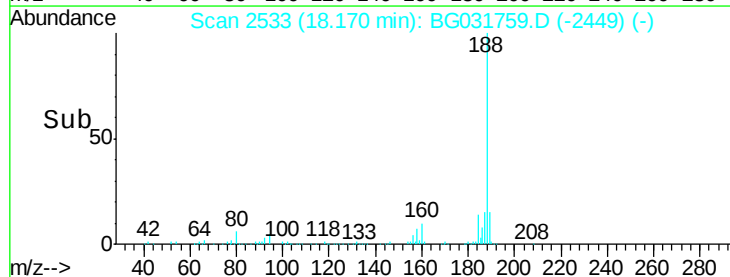
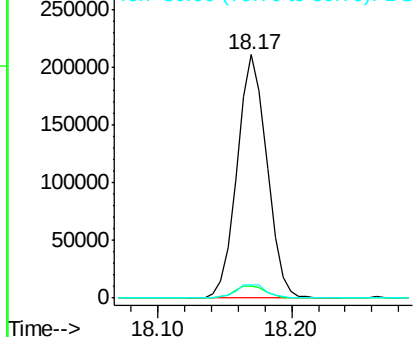
Tgt Ion:	188	Resp:	325595
Ion Ratio	Lower	Upper	
188	100		
94	4.9	6.9	10.3#
80	5.7	7.7	11.5#

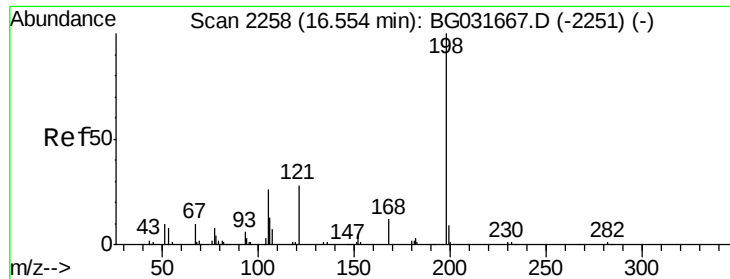


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

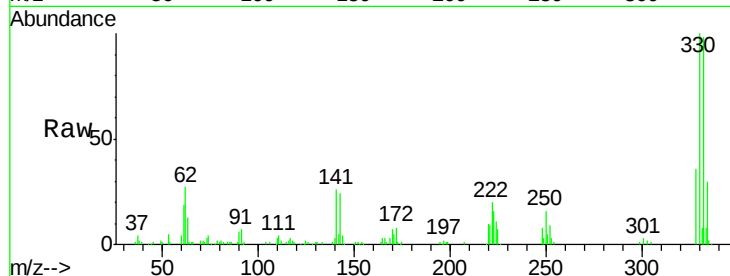




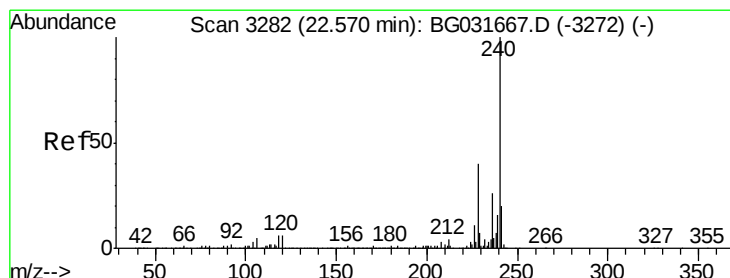
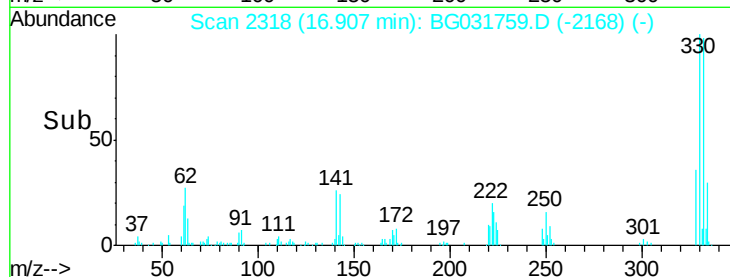
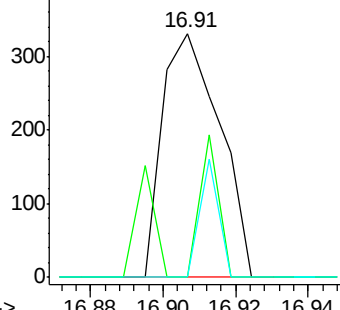
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.495 ng
 RT: 16.91 min Scan# 2318
 Delta R.T. 0.35 min
 Lab File: BG031759.D
 Acq: 26 Dec 2017 13:29

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-122117-B

Tgt Ion	Ratio	Lower	Upper
198	100		
51	0.0	30.6	70.6#
105	0.0	23.8	63.8#

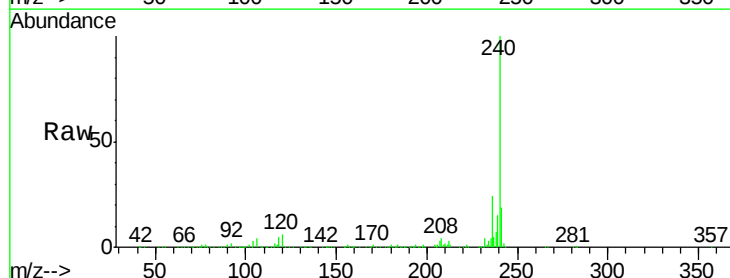


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

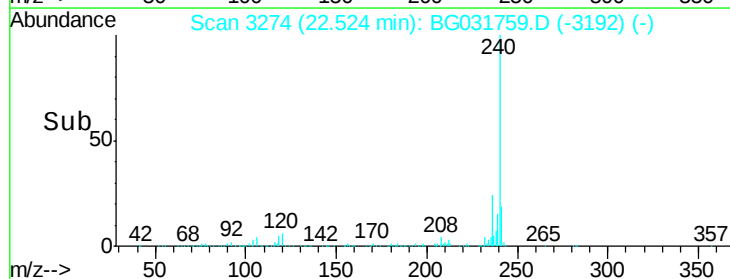
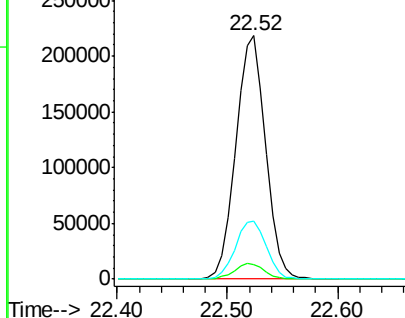


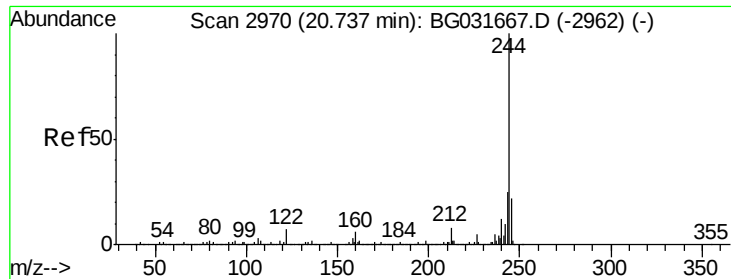
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.52 min Scan# 3274
 Delta R.T. -0.05 min
 Lab File: BG031759.D
 Acq: 26 Dec 2017 13:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.0	6.8	10.2#
236	23.7	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

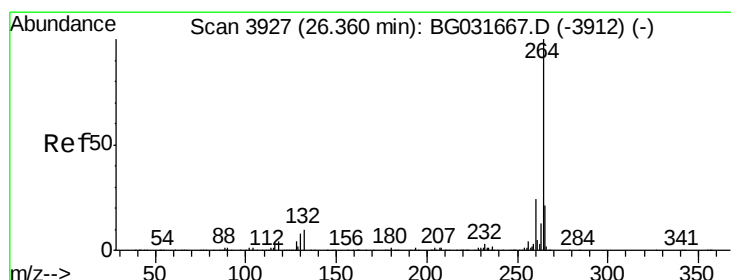
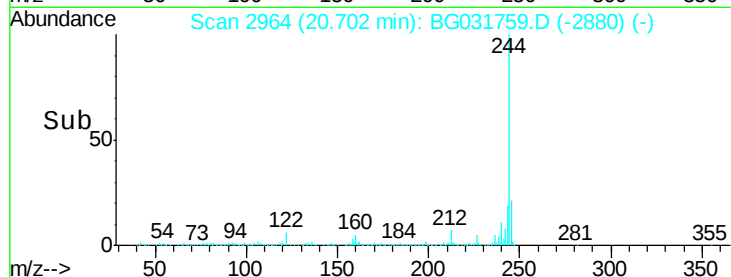
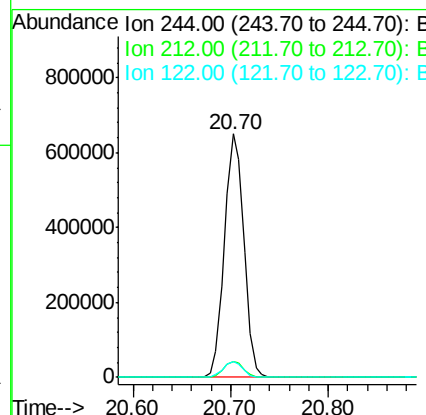
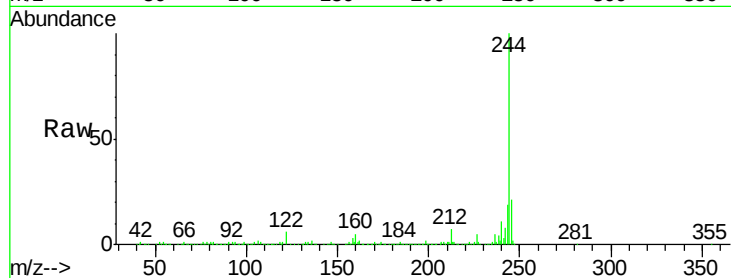




#78
 Terphenyl-d14
 Concen: 49.633 ng
 RT: 20.70 min Scan# 2964
 Delta R.T. -0.03 min
 Lab File: BG031759.D
 Acq: 26 Dec 2017 13:29

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-122117-B

Tgt Ion:244 Resp: 897715
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 6.4 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.28 min Scan# 3914
 Delta R.T. -0.08 min
 Lab File: BG031759.D
 Acq: 26 Dec 2017 13:29

Tgt Ion:264 Resp: 433693
 Ion Ratio Lower Upper
 264 100
 260 23.7 17.4 26.0
 265 21.7 17.7 26.5

