

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032718\
 Data File : BG033370.D
 Acq On : 27 Mar 2018 20:13
 Operator : SJ/JU
 Sample : J2038-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 07:56:00 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 15:11:46 2018
 Response via : Initial Calibration

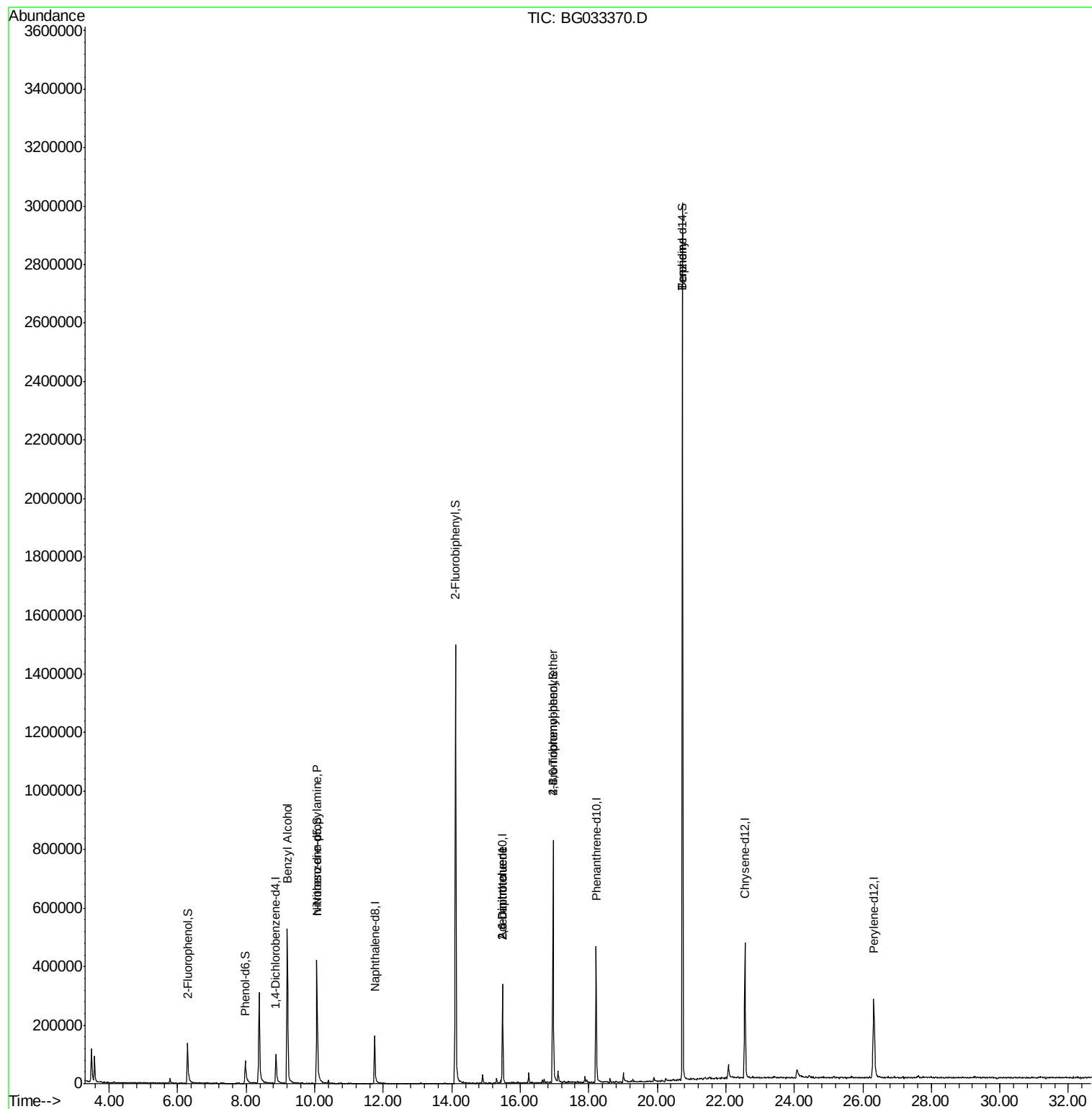
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	39682	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	165207	20.00	ng	-0.03
38) Acenaphthene-d10	15.48	164	128782	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	337033	20.00	ng	-0.02
75) Chrysene-d12	22.56	240	350322	20.00	ng	-0.04
86) Perylene-d12	26.32	264	372790	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	82479	38.97	ng	-0.02
7) Phenol-d6	7.97	99	76257	20.97	ng	-0.02
23) Nitrobenzene-d5	10.07	82	333134	92.64	ng	-0.03
41) 2,4,6-Tribromophenol	16.96	330	184460	95.77	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	881029	98.76	ng	-0.02
78) Terphenyl-d14	20.74	244	1544305	94.27	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	9.20	79	5837	2.039	ng	# 51
19) n-Nitroso-di-n-propylamine	10.07	70	44832	16.826	ng	# 72
50) 2,6-Dinitrotoluene	15.48	165	17269	7.536	ng	# 18
56) 2,4-Dinitrotoluene	15.48	165	17269	5.118	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	14001	3.537	ng	# 1
76) Benzidine	20.74	184	25716	2.707	ng	# 88

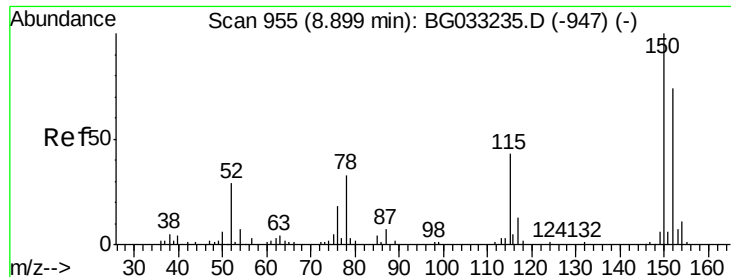
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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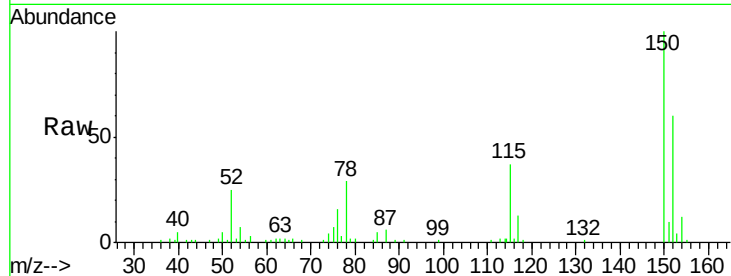


#1

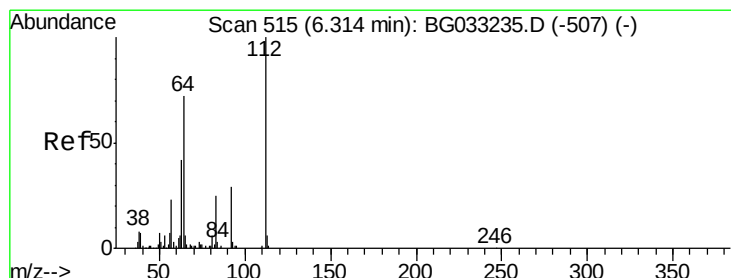
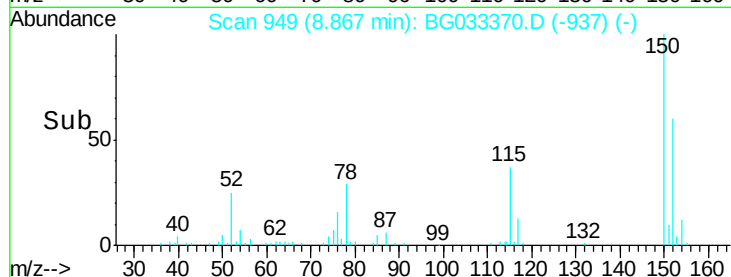
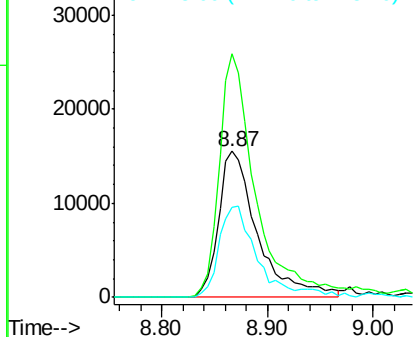
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.87 min Scan# 949
 Delta R.T. -0.03 min
 Lab File: BG033370.D
 Acq: 27 Mar 2018 20:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 39682
 Ion Ratio Lower Upper
 152 100
 150 167.0 126.6 189.8
 115 61.4 53.0 79.4



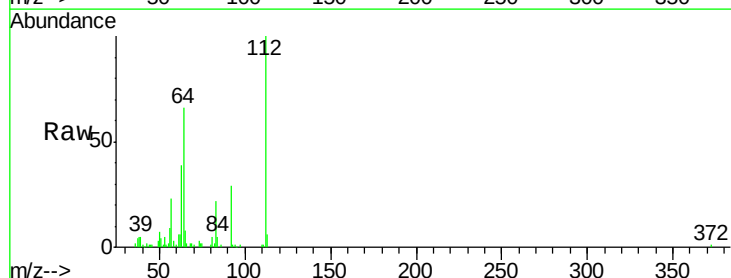
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



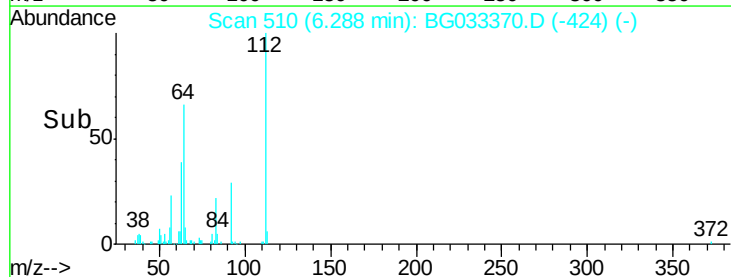
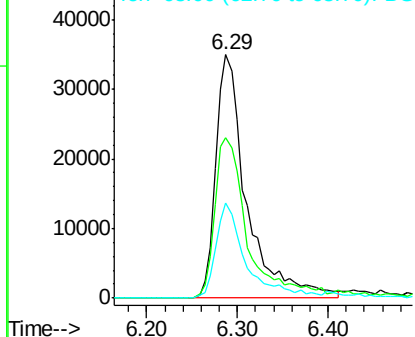
#5

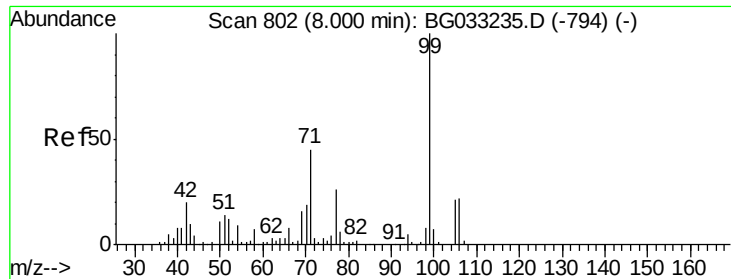
2-Fluorophenol
 Concen: 38.974 ng
 RT: 6.29 min Scan# 510
 Delta R.T. -0.02 min
 Lab File: BG033370.D
 Acq: 27 Mar 2018 20:13

Tgt Ion:112 Resp: 82479
 Ion Ratio Lower Upper
 112 100
 64 65.8 56.3 84.5
 63 39.3 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: 20.972 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.02 min

Lab File: BG033370.D

Acq: 27 Mar 2018 20:13

Instrument :

BNA_G

ClientSampleId :

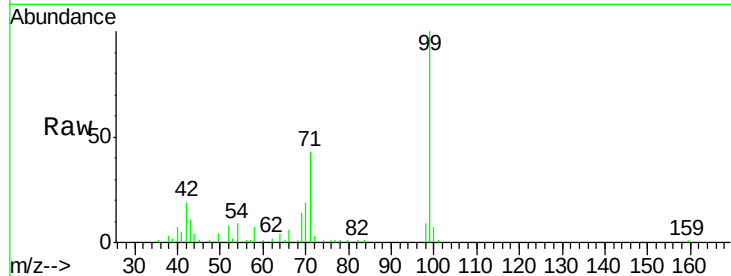
Tot Ion: 99 Resp: 76257

Ion Ratio Lower Upper

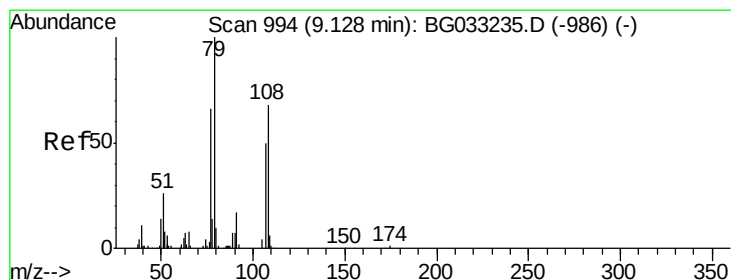
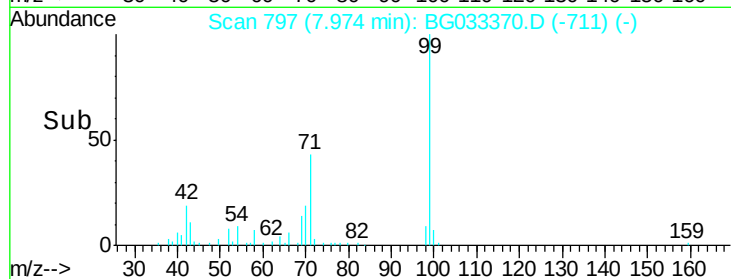
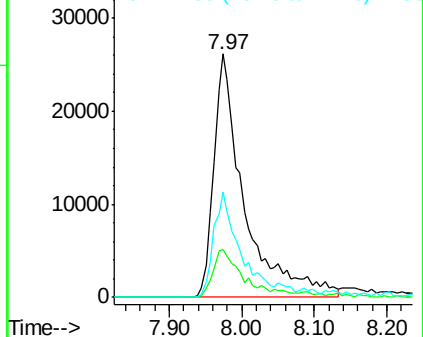
99 100

42 19.4 14.1 21.1

71 43.4 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.039 ng

RT: 9.20 min Scan# 1005

Delta R.T. 0.07 min

Lab File: BG033370.D

Acq: 27 Mar 2018 20:13

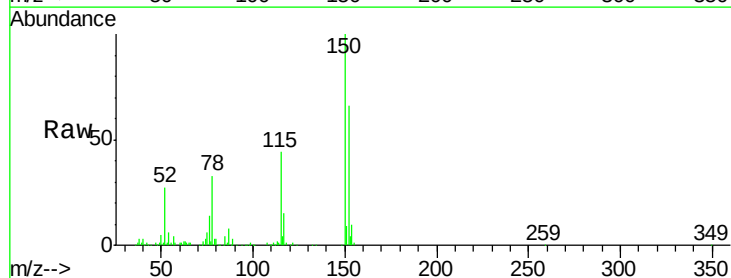
Tgt Ion: 79 Resp: 5837

Ion Ratio Lower Upper

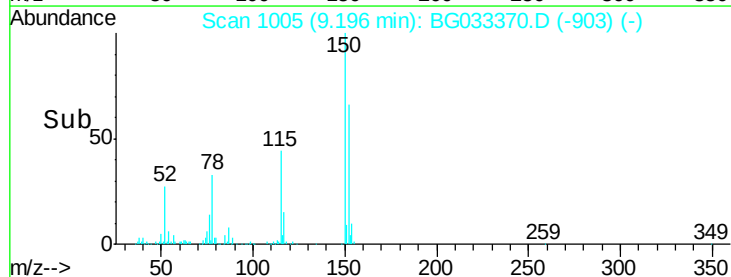
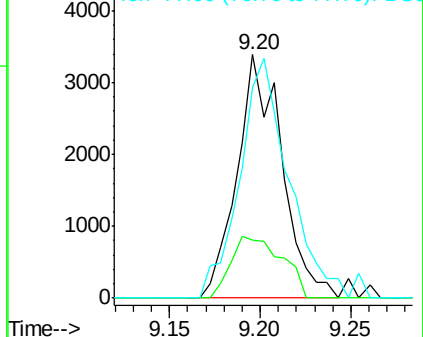
79 100

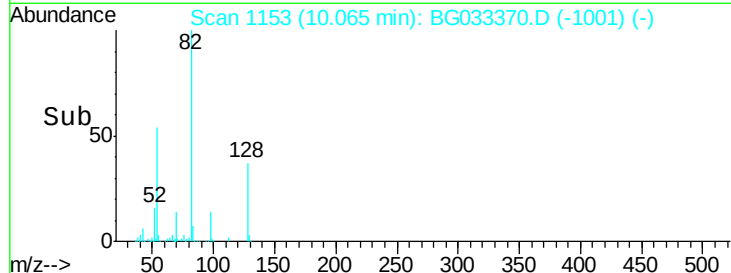
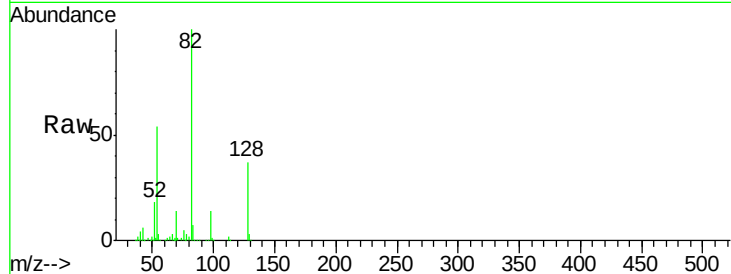
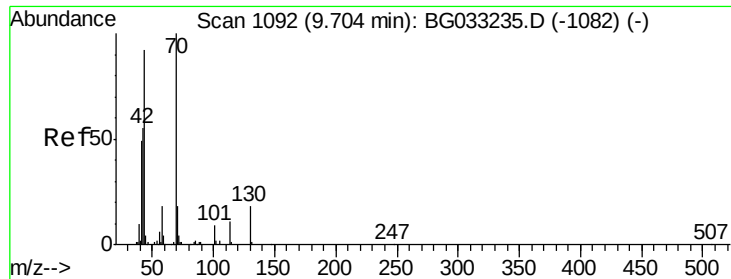
108 23.8 57.2 85.8#

77 86.6 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

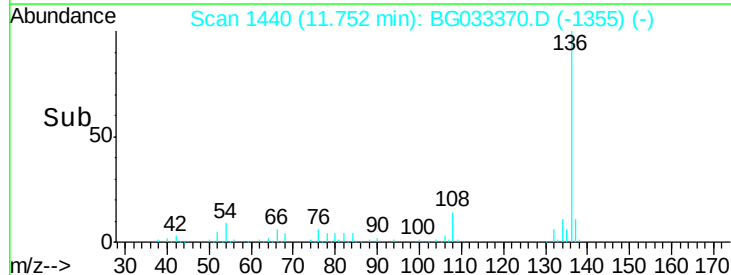
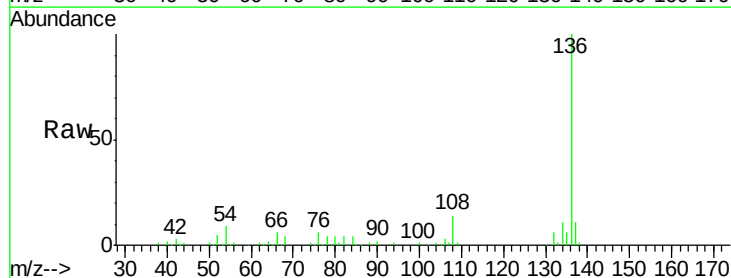
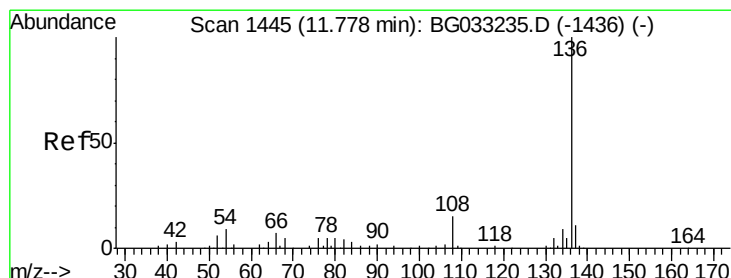
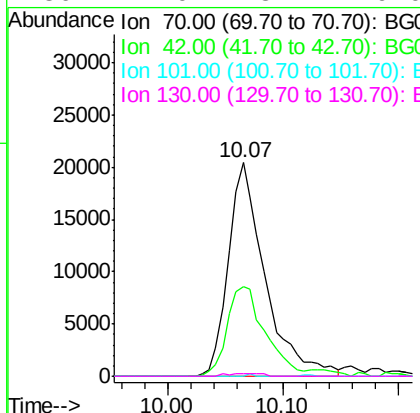




#19
n-Nitroso-di-n-propylamine
Concen: 16.826 ng
RT: 10.07 min Scan# 1153
Delta R.T. 0.36 min
Lab File: BG033370.D
Acq: 27 Mar 2018 20:13

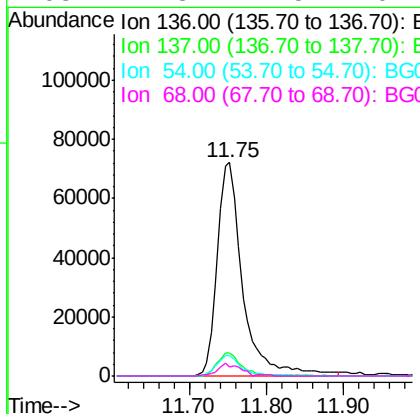
Instrument :
BNA_G
ClientSampleId :

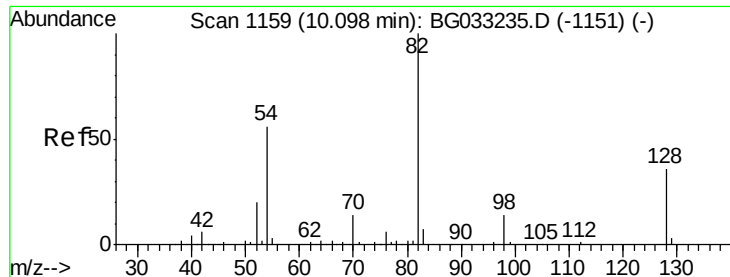
Tot Ion:	70	Resp:	44832
Ion	Ratio	Lower	Upper
70	100		
42	41.8	49.1	73.7#
101	0.0	8.5	12.7#
130	1.0	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.03 min
Lab File: BG033370.D
Acq: 27 Mar 2018 20:13

Tgt Ion:	136	Resp:	165207
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	9.4	10.3	15.5#
68	4.3	4.5	6.7#

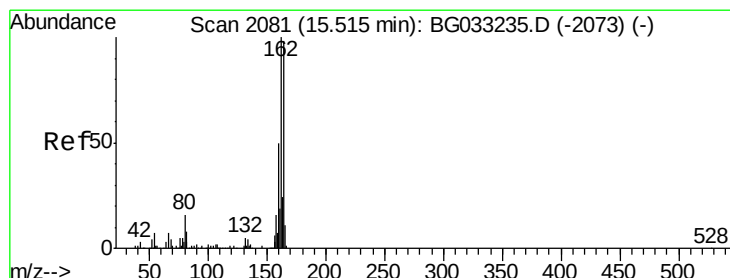
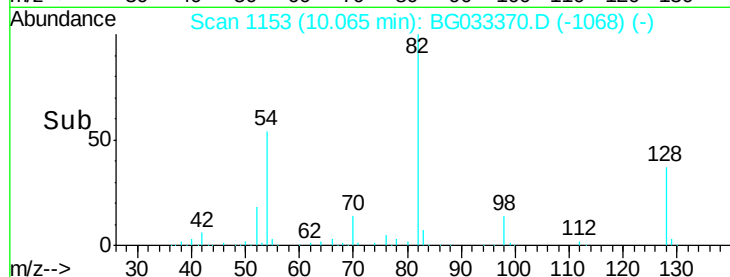
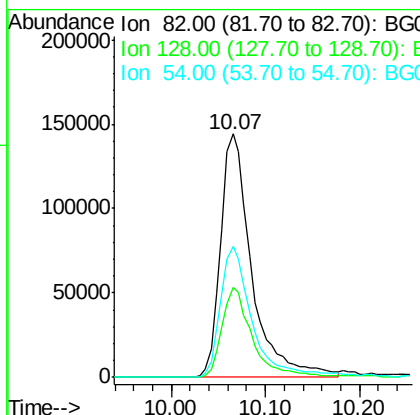
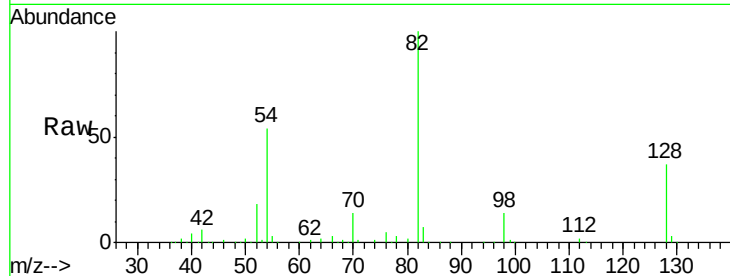




#23
 Nitrobenzene-d5
 Concen: 92.645 ng
 RT: 10.07 min Scan# 1153
 Delta R.T. -0.03 min
 Lab File: BG033370.D
 Acq: 27 Mar 2018 20:13

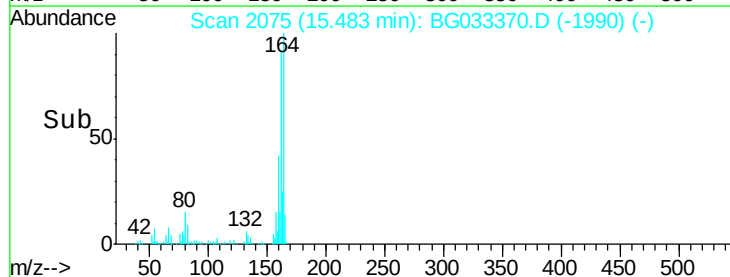
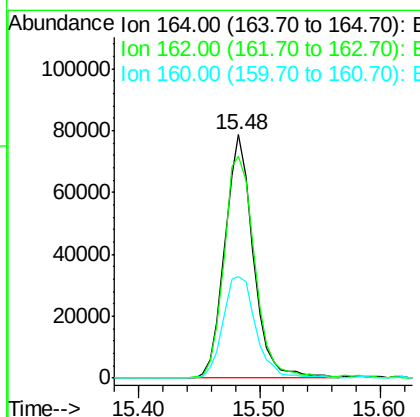
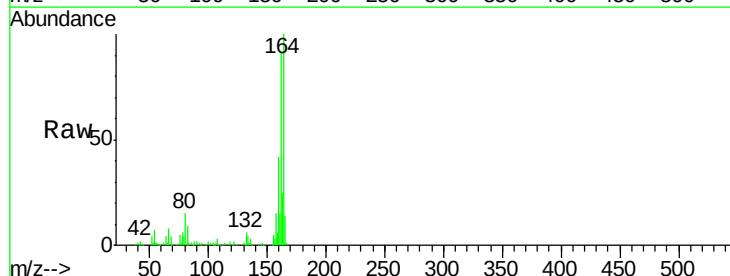
Instrument :
 BNA_G
 ClientSampled :

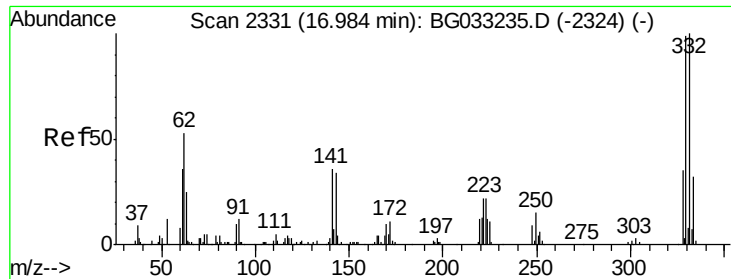
Tot Ion	82	Resp	333134
Ion Ratio	Lower	Upper	
82	100		
128	36.9	29.7	44.5
54	54.0	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.03 min
 Lab File: BG033370.D
 Acq: 27 Mar 2018 20:13

Tgt Ion	164	Resp	128782
Ion Ratio	Lower	Upper	
164	100		
162	90.9	78.8	118.2
160	41.8	35.4	53.0

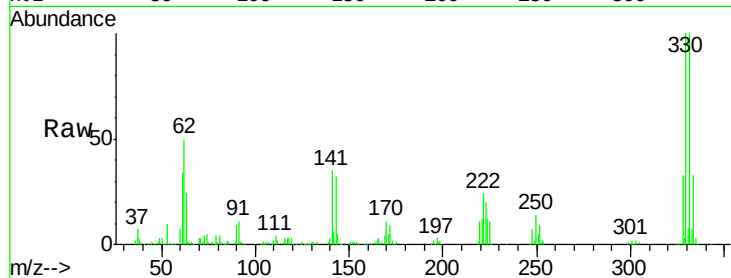




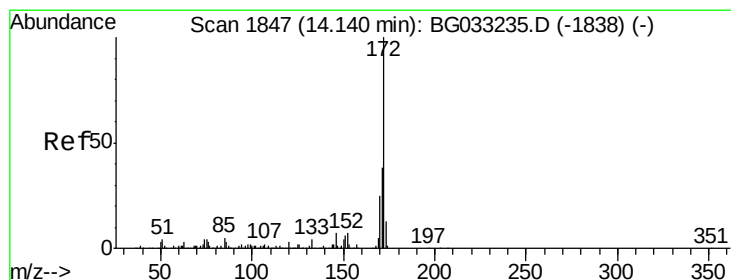
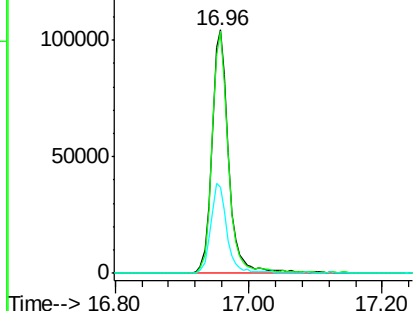
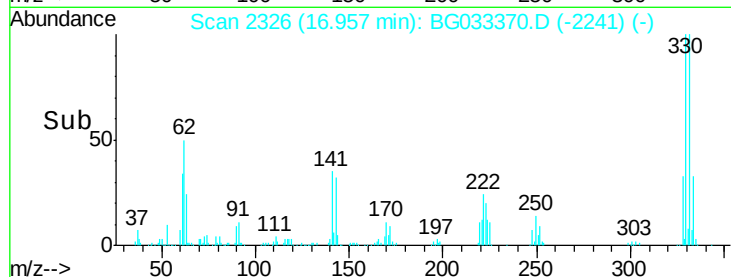
#41
 2,4,6-Tribromophenol
 Concen: 95.769 ng
 RT: 16.96 min Scan# 2326
 Delta R.T. -0.03 min
 Lab File: BG033370.D
 Acq: 27 Mar 2018 20:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	35.1	25.2	37.8

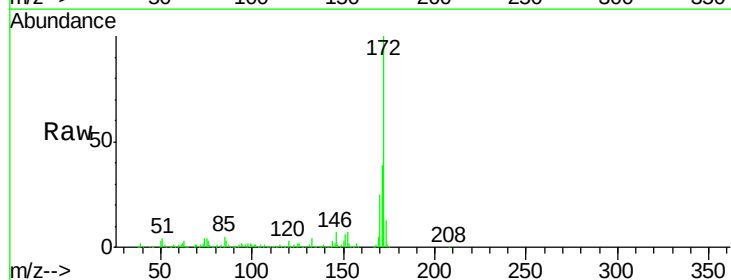


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

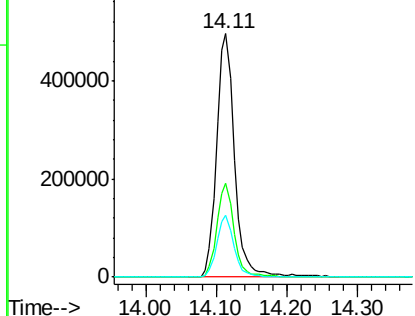
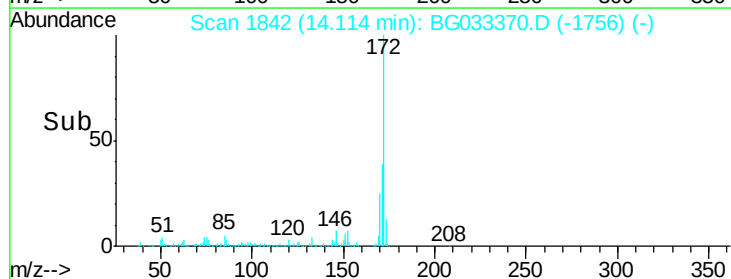


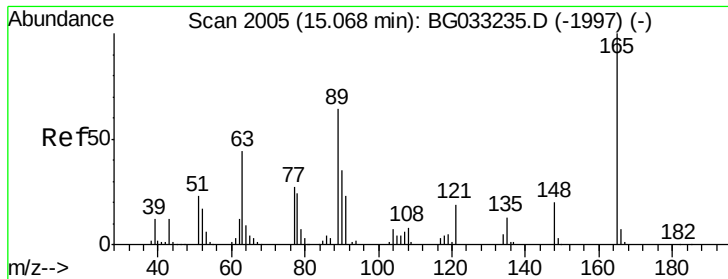
#44
 2-Fluorobiphenyl
 Concen: 98.763 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.02 min
 Lab File: BG033370.D
 Acq: 27 Mar 2018 20:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.0	45.0
170	25.4	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

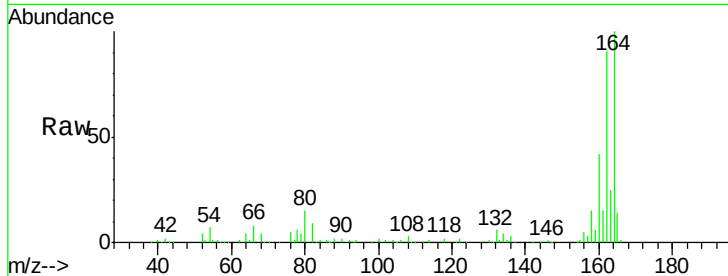




#50
 2,6-Dinitrotoluene
 Concen: 7.536 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.42 min
 Lab File: BG033370.D
 Acq: 27 Mar 2018 20:13

Instrument :
 BNA_G
 ClientSampleId :

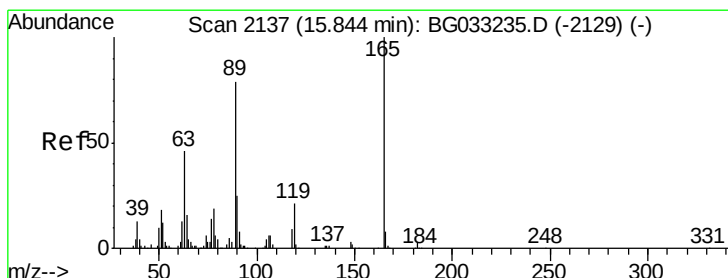
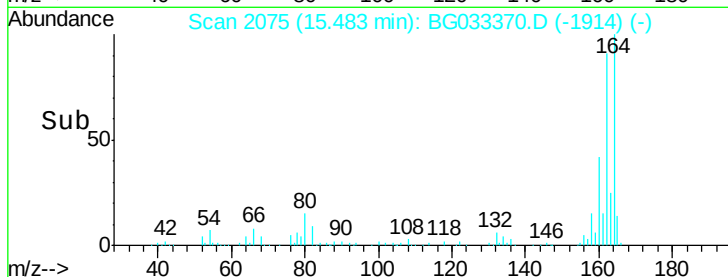
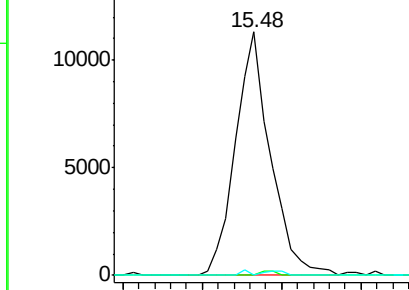
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

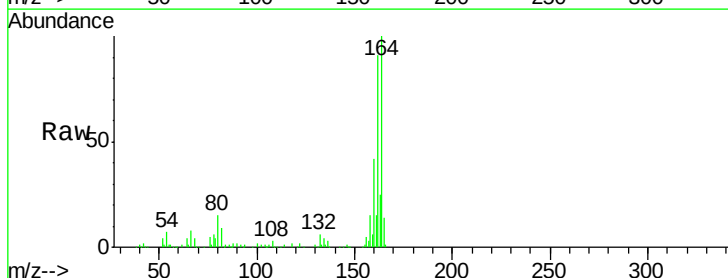
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56
 2,4-Dinitrotoluene
 Concen: 5.118 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.36 min
 Lab File: BG033370.D
 Acq: 27 Mar 2018 20:13

Tgt 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#

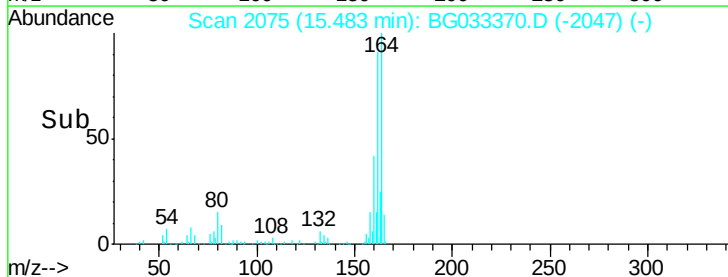
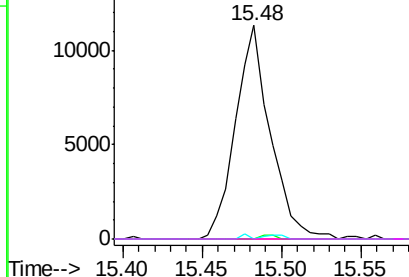


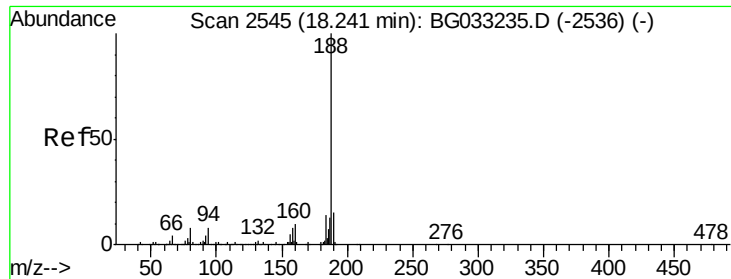
Abundance Ion 165.00 (164.70 to 165.70): E

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

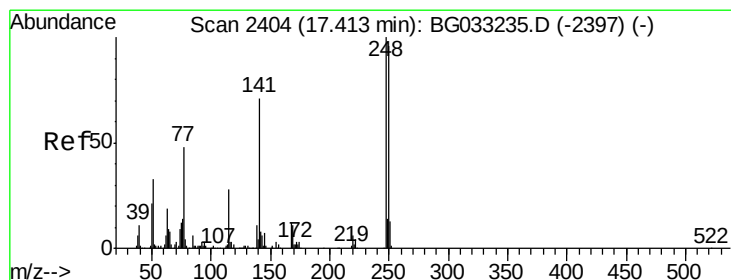
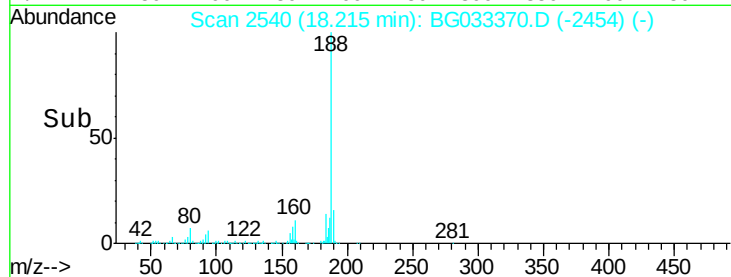
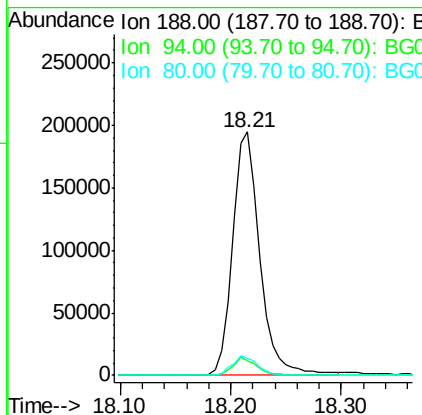
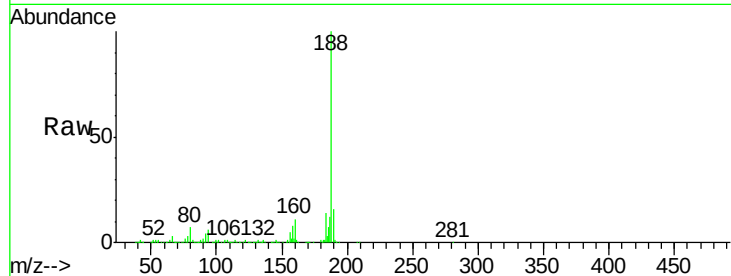




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2540
 Delta R.T. -0.02 min
 Lab File: BG033370.D
 Acq: 27 Mar 2018 20:13

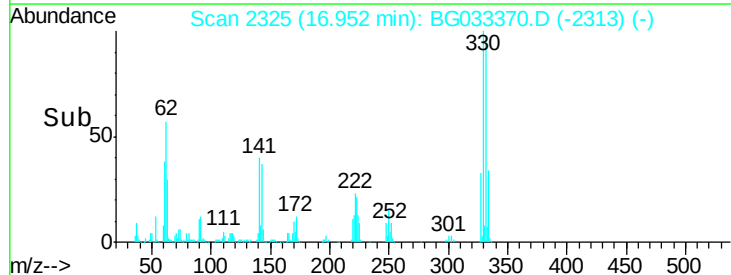
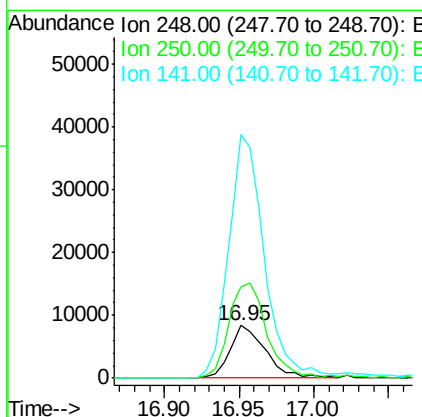
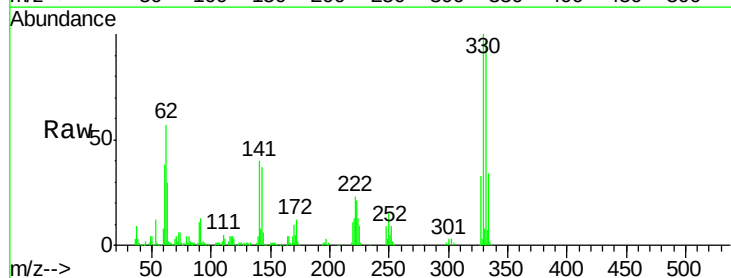
Instrument :
 BNA_G
 ClientSampleId :

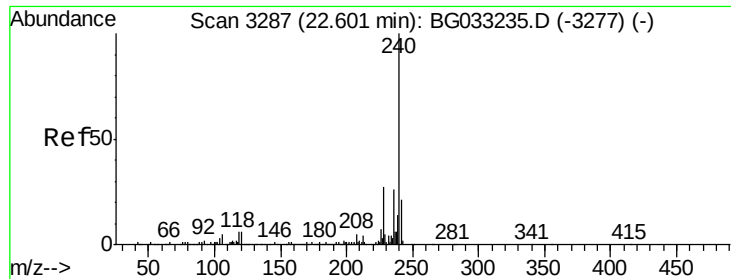
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.0	6.9	10.3#
80	7.2	7.7	11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 3.537 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.46 min
 Lab File: BG033370.D
 Acq: 27 Mar 2018 20:13

Tgt Ion	Ratio	Lower	Upper
248	100		
250	173.3	77.1	115.7#
141	464.1	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3279

Delta R.T. -0.04 min

Lab File: BG033370.D

Acq: 27 Mar 2018 20:13

Instrument :

BNA_G

ClientSampleId :

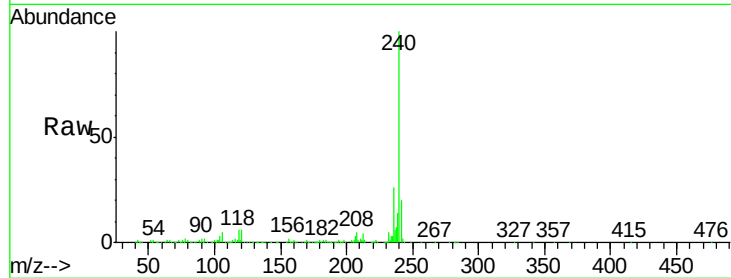
Tot Ion:240 Resp: 350322

Ion Ratio Lower Upper

240 100

120 6.1 6.8 10.2#

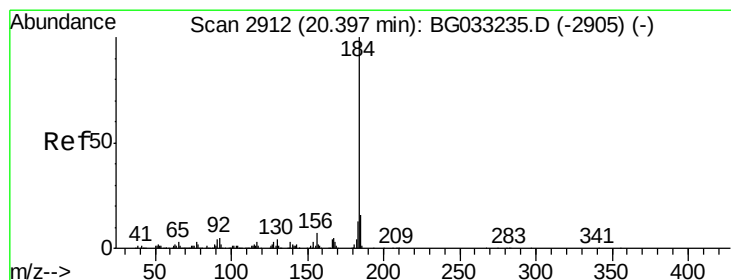
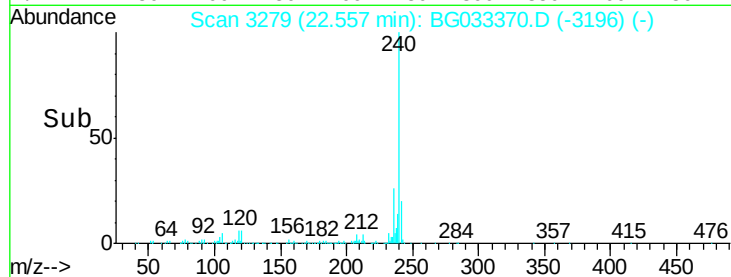
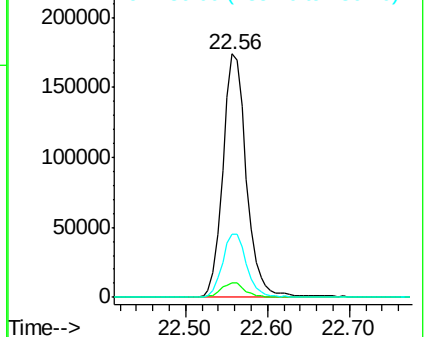
236 25.8 20.9 31.3



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: 2.707 ng

RT: 20.74 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033370.D

Acq: 27 Mar 2018 20:13

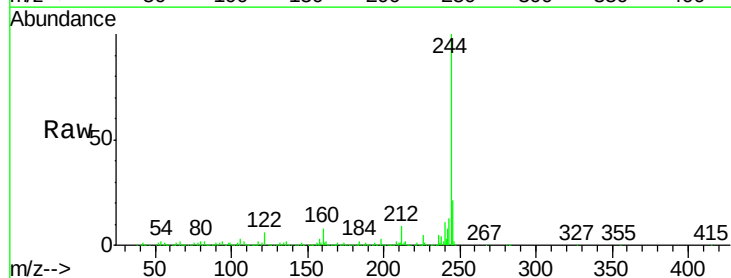
Tgt Ion:184 Resp: 25716

Ion Ratio Lower Upper

184 100

185 18.3 11.1 16.7#

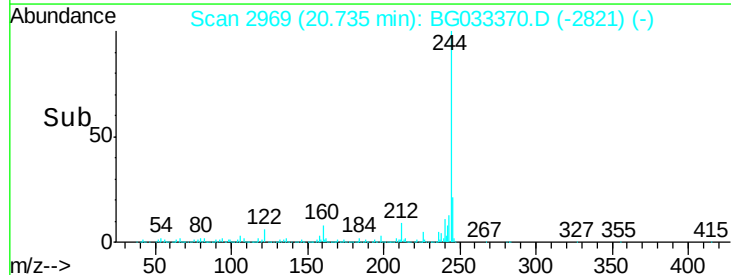
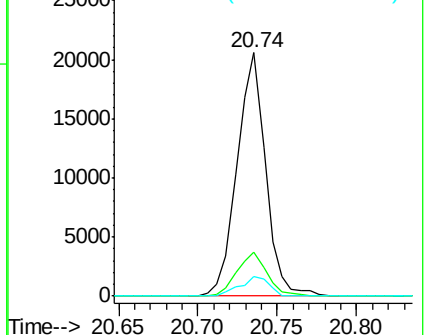
183 8.2 10.6 16.0#

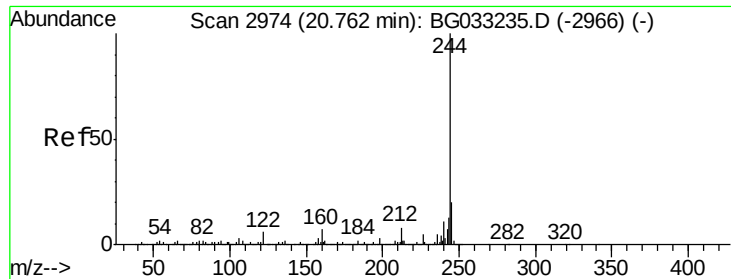


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.275 ng

RT: 20.74 min Scan# 2969

Delta R.T. -0.02 min

Lab File: BG033370.D

Acq: 27 Mar 2018 20:13

Instrument :

BNA_G

ClientSampled :

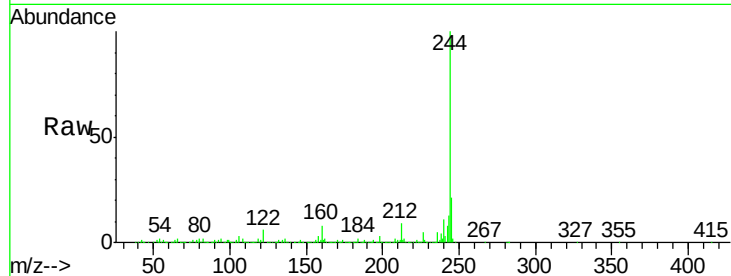
Tot Ion:244 Resp: 1544305

Ion Ratio Lower Upper

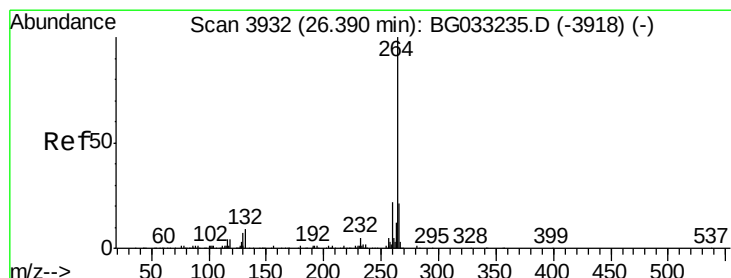
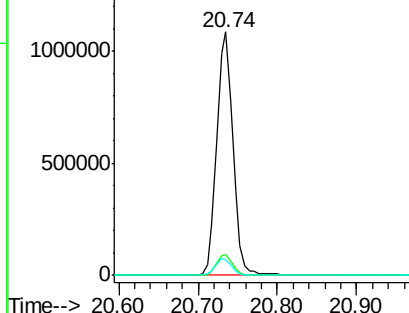
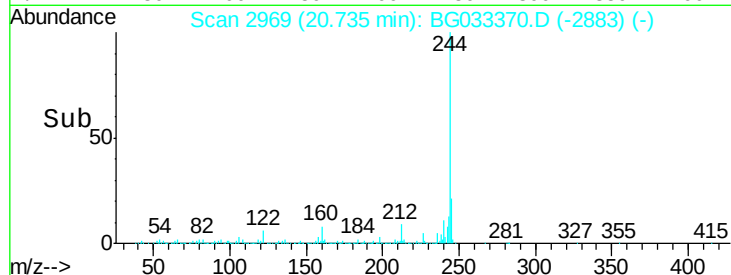
244 100

212 8.7 5.8 8.8

122 6.5 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

Perylene-d12

Concen: 20.000 ng

RT: 26.32 min Scan# 3920

Delta R.T. -0.06 min

Lab File: BG033370.D

Acq: 27 Mar 2018 20:13

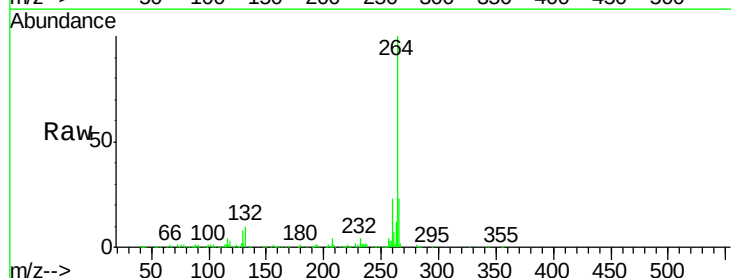
Tgt Ion:264 Resp: 372790

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 22.6 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

