

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032918\
 Data File : BG033447.D
 Acq On : 30 Mar 2018 10:00
 Operator : SJ/JU
 Sample : J2102-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 30 10:51:01 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 18:34:58 2018
 Response via : Initial Calibration

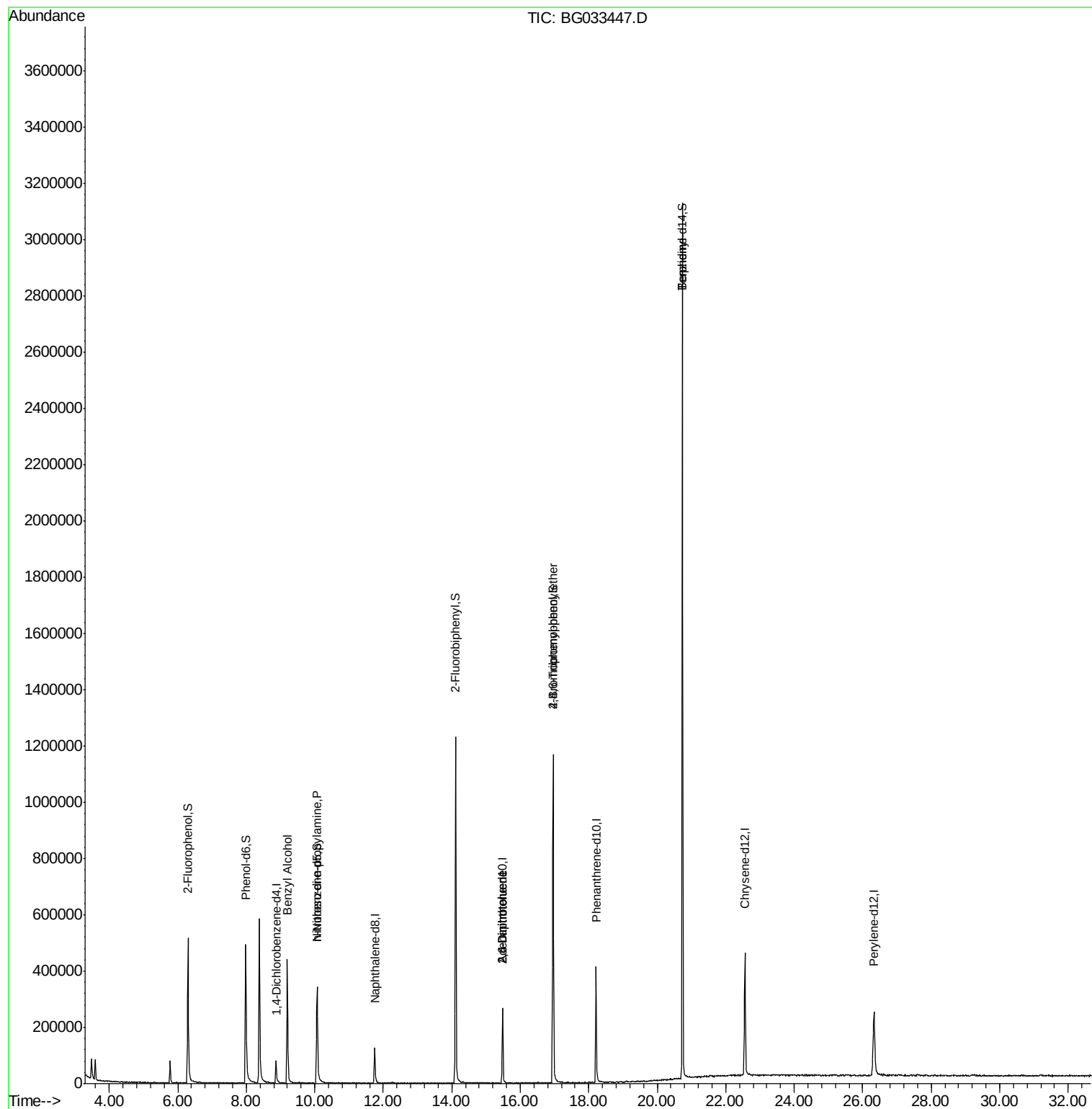
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	30687	20.00	ng	0.00
21) Naphthalene-d8	11.75	136	128028	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	98935	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	303139	20.00	ng	0.00
75) Chrysene-d12	22.56	240	317084	20.00	ng	0.00
86) Perylene-d12	26.33	264	321374	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	250293	152.94	ng	0.00
7) Phenol-d6	7.98	99	351784	125.11	ng	0.00
23) Nitrobenzene-d5	10.07	82	277715	99.66	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	244904	165.51	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	699617	102.09	ng	0.00
78) Terphenyl-d14	20.73	244	1558869	105.14	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.20	79	4753	2.147	ng	# 61
19) n-Nitroso-di-n-propylamine	10.07	70	38558	18.713	ng	# 75
50) 2,6-Dinitrotoluene	15.48	165	13523	7.681	ng	# 20
56) 2,4-Dinitrotoluene	15.48	165	13523	5.217	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	18570	5.216	ng	# 1
76) Benzidine	20.73	184	27259	3.170	ng	# 92

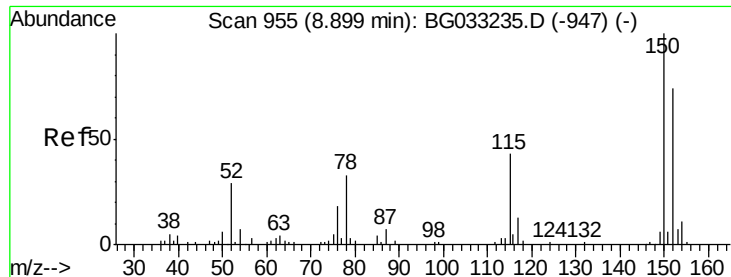
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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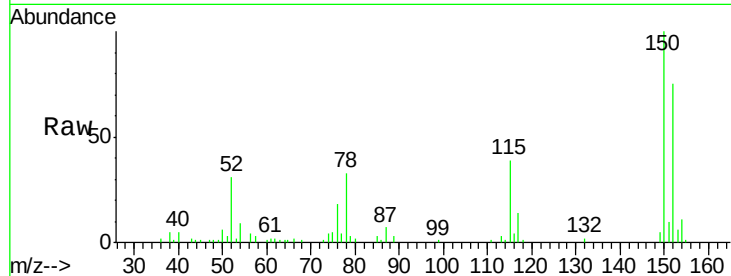


#1

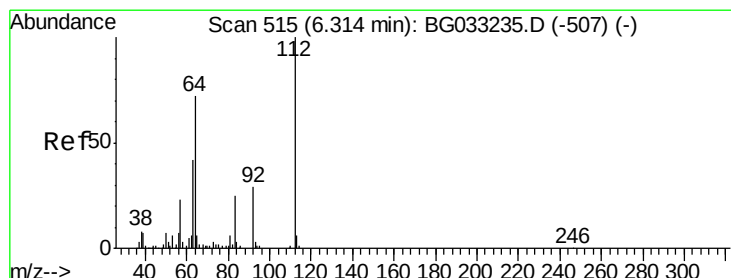
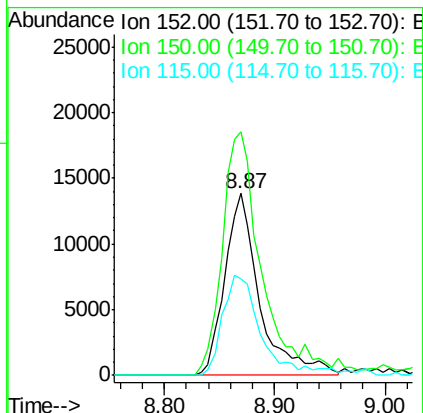
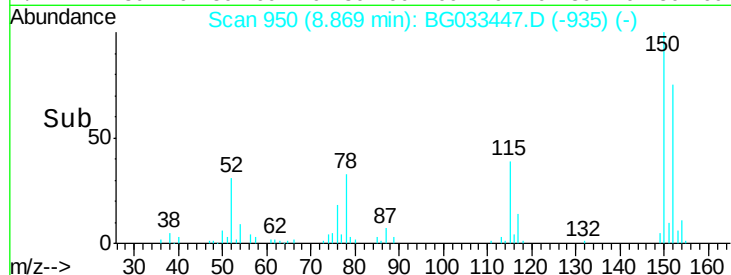
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.01 min
Lab File: BG033447.D
Acq: 30 Mar 2018 10:00

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 30687
Ion Ratio Lower Upper
152 100
150 133.8 126.6 189.8
115 52.8 53.0 79.4#



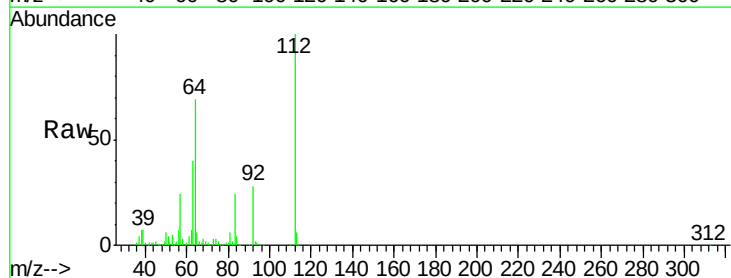
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



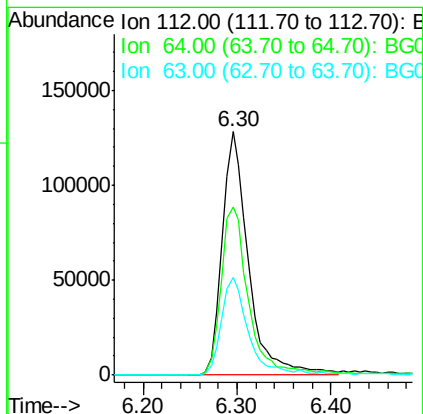
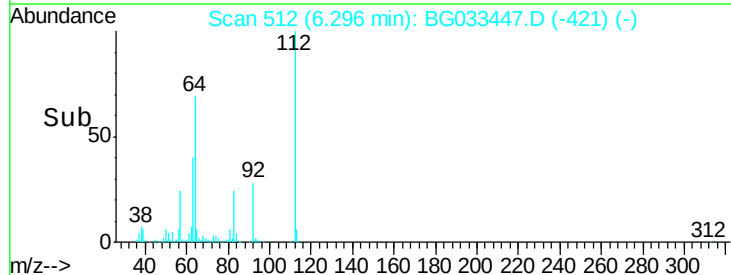
#5

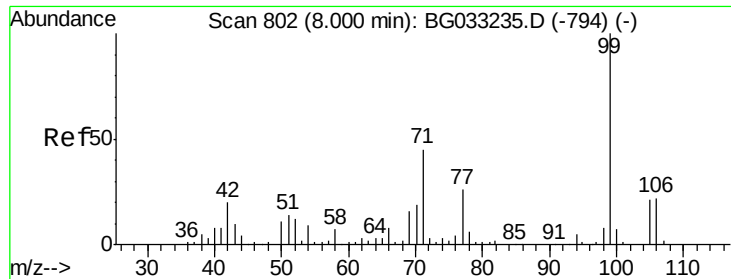
2-Fluorophenol
Concen: 152.941 ng
RT: 6.30 min Scan# 512
Delta R.T. 0.00 min
Lab File: BG033447.D
Acq: 30 Mar 2018 10:00

Tgt Ion:112 Resp: 250293
Ion Ratio Lower Upper
112 100
64 69.2 56.3 84.5
63 40.3 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: 125.105 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.00 min

Lab File: BG033447.D

Acq: 30 Mar 2018 10:00

Instrument :

BNA_G

ClientSampleId :

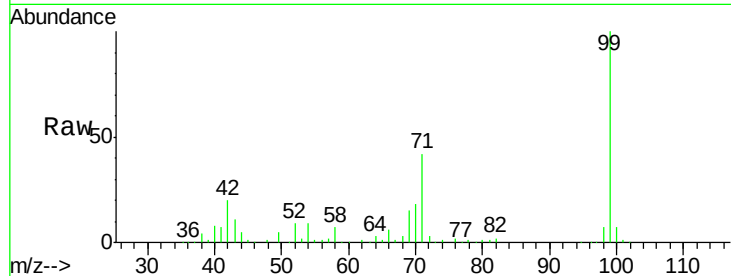
Tot Ion: 99 Resp: 351784

Ion Ratio Lower Upper

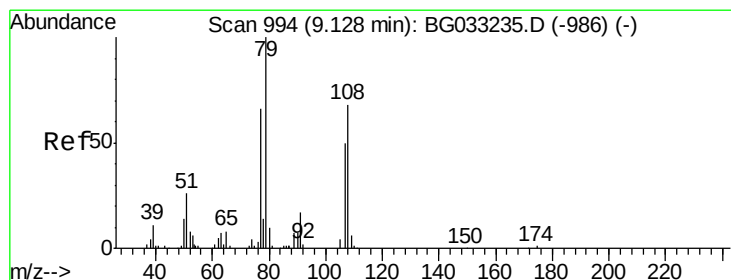
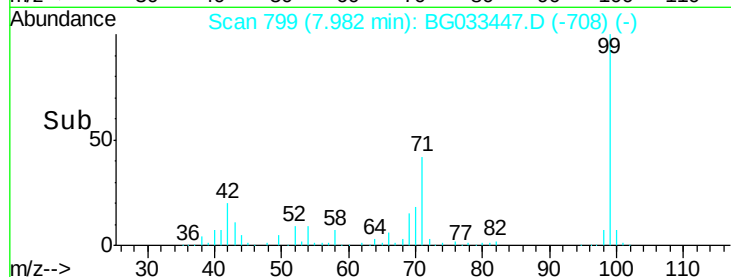
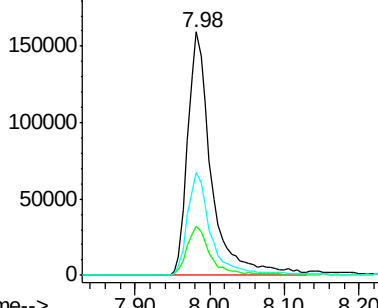
99 100

42 20.4 14.1 21.1

71 42.0 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: 2.147 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.09 min

Lab File: BG033447.D

Acq: 30 Mar 2018 10:00

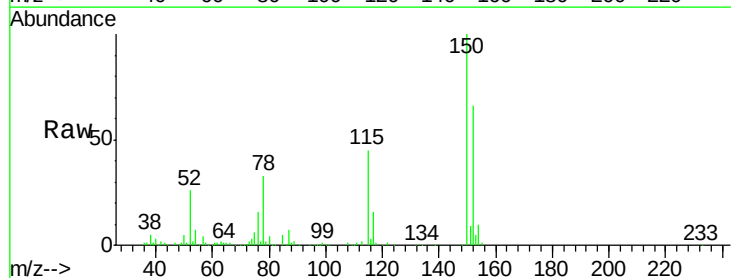
Tgt Ion: 79 Resp: 4753

Ion Ratio Lower Upper

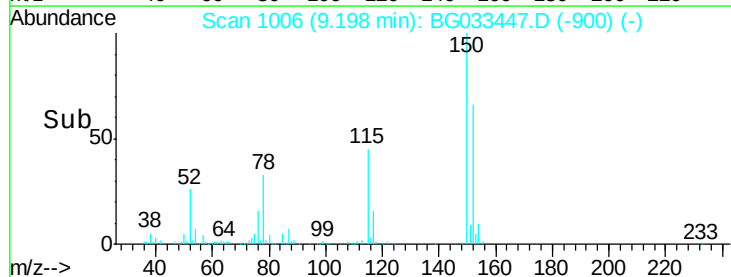
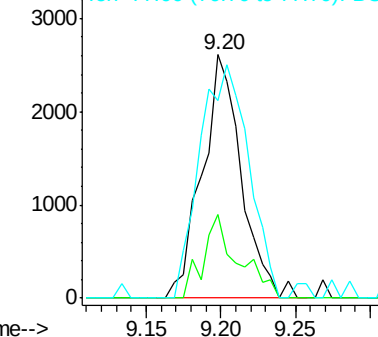
79 100

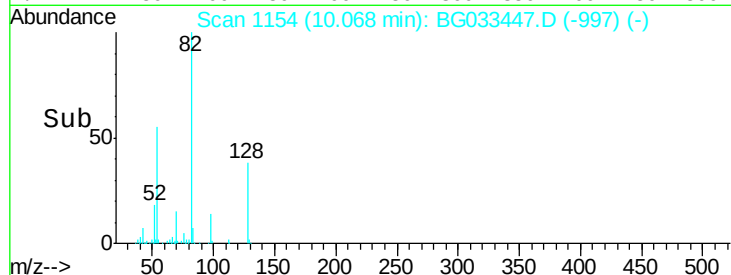
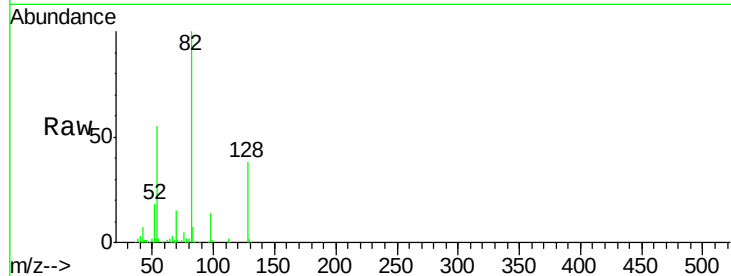
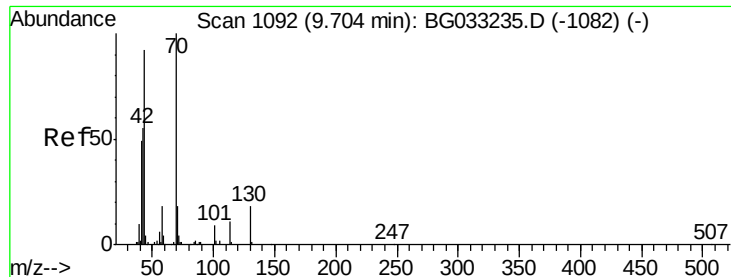
108 34.2 57.2 85.8#

77 81.2 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

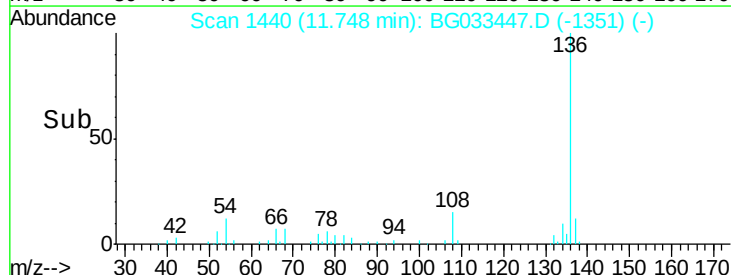
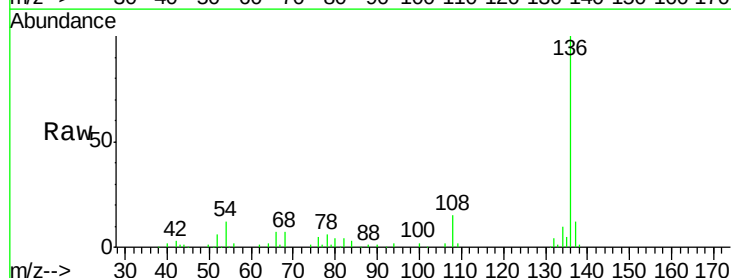
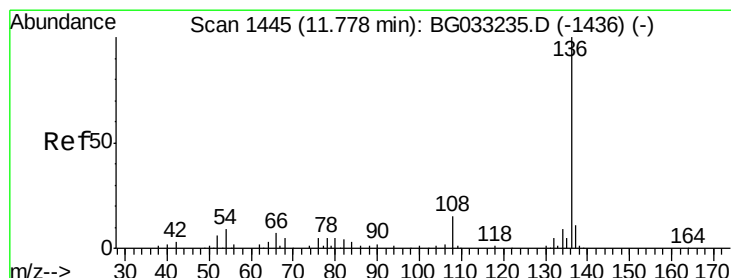
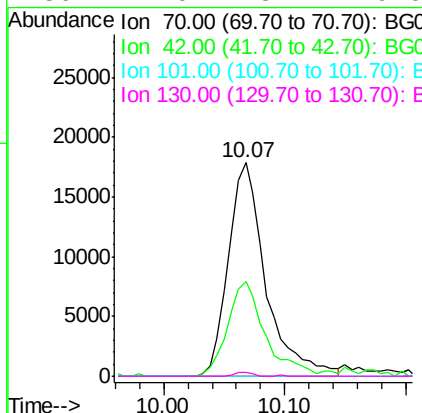




#19
n-Nitroso-di-n-propylamine
Concen: 18.713 ng
RT: 10.07 min Scan# 1154
Delta R.T. 0.39 min
Lab File: BG033447.D
Acq: 30 Mar 2018 10:00

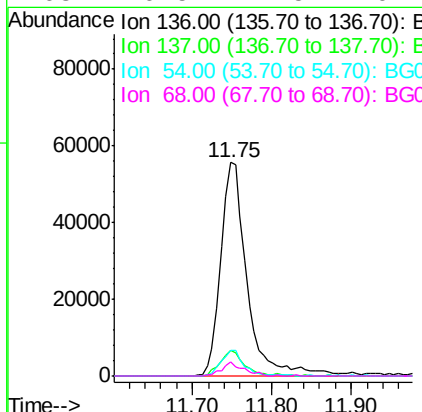
Instrument :
BNA_G
ClientSampled :

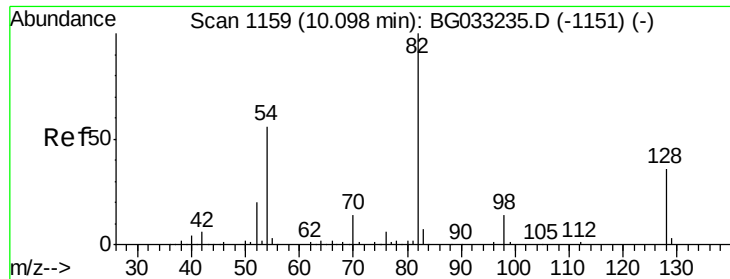
Tot Ion:	70	Resp:	38558
Ion	Ratio	Lower	Upper
70	100		
42	44.4	49.1	73.7#
101	0.0	8.5	12.7#
130	2.0	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BG033447.D
Acq: 30 Mar 2018 10:00

Tgt Ion:	136	Resp:	128028
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	12.5	10.3	15.5
68	6.5	4.5	6.7

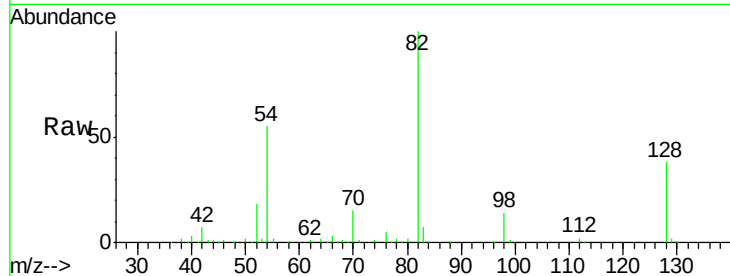




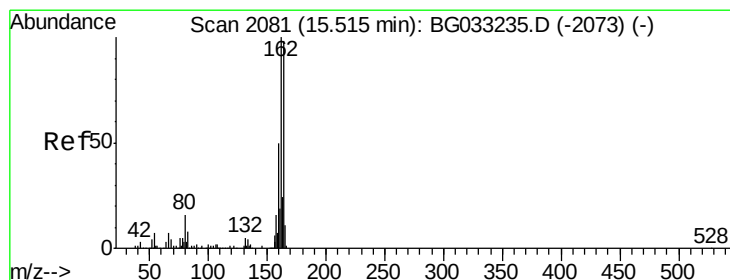
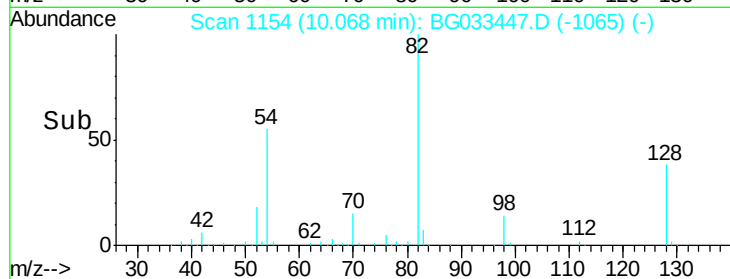
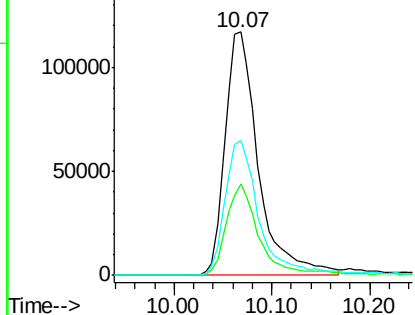
#23
 Nitrobenzene-d5
 Concen: 99.661 ng
 RT: 10.07 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BG033447.D
 Acq: 30 Mar 2018 10:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	277715
Ion Ratio	Lower	Upper	
82	100		
128	37.6	29.7	44.5
54	55.1	43.1	64.7

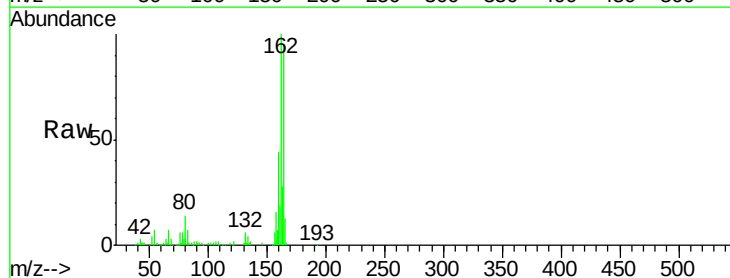


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

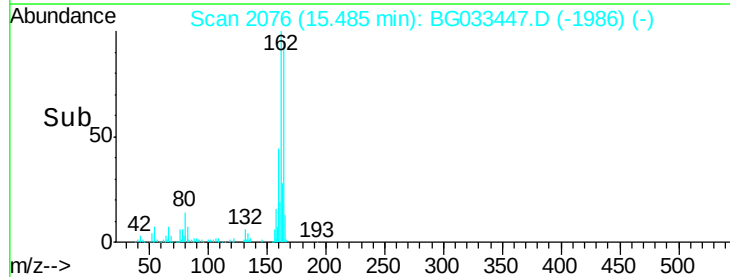
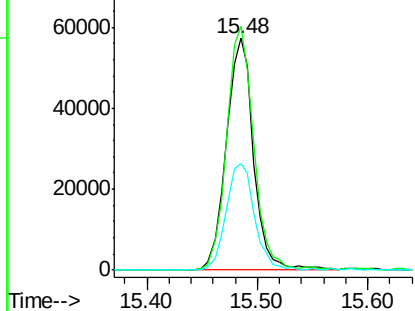


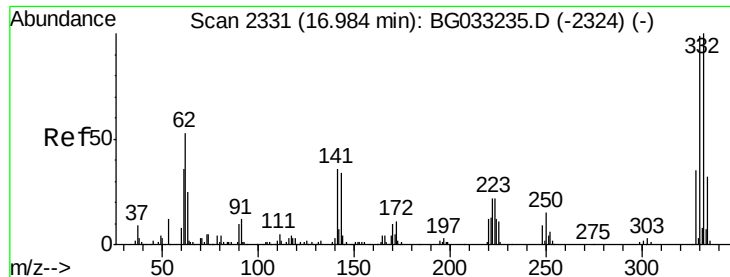
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: BG033447.D
 Acq: 30 Mar 2018 10:00

Tgt Ion	164	Resp	98935
Ion Ratio	Lower	Upper	
164	100		
162	105.1	78.8	118.2
160	46.3	35.4	53.0



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

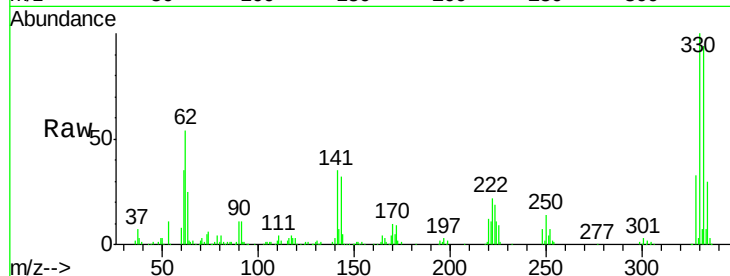




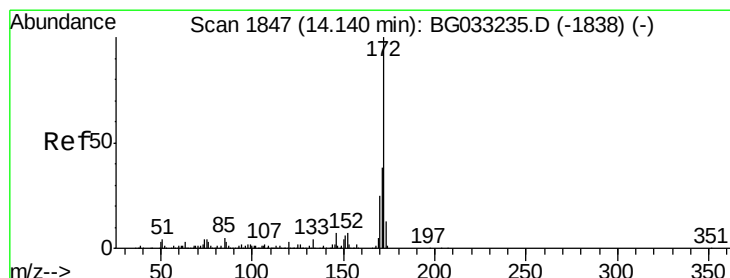
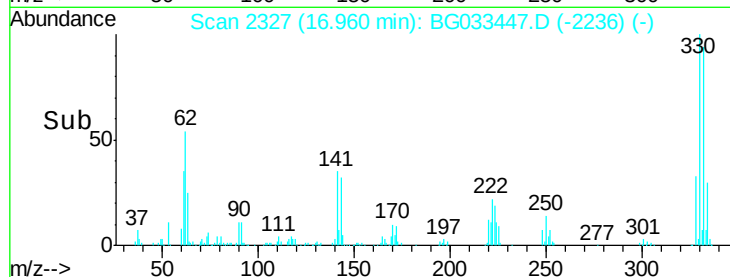
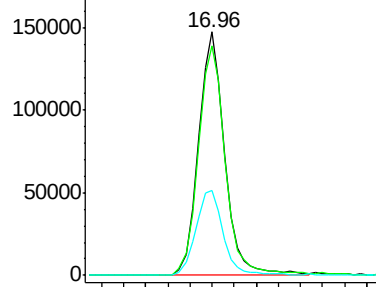
#41
 2,4,6-Tribromophenol
 Concen: 165.511 ng
 RT: 16.96 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: BG033447.D
 Acq: 30 Mar 2018 10:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	36.7	25.2	37.8

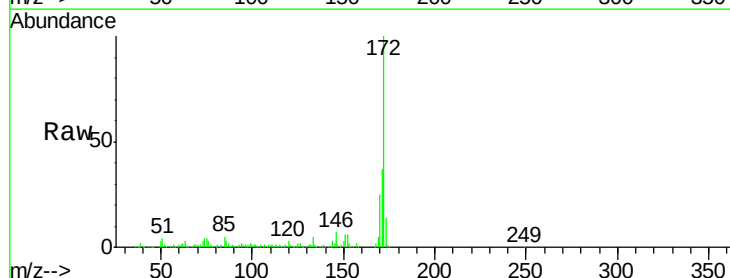


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

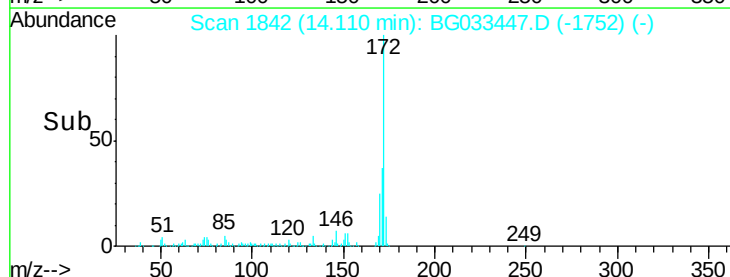
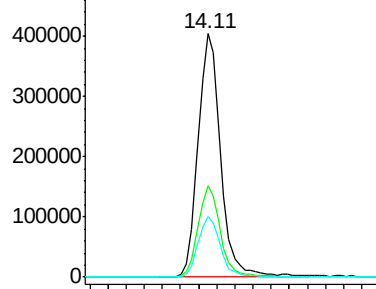


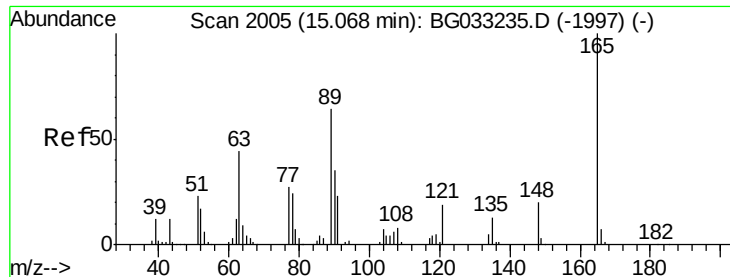
#44
 2-Fluorobiphenyl
 Concen: 102.086 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033447.D
 Acq: 30 Mar 2018 10:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	25.1	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

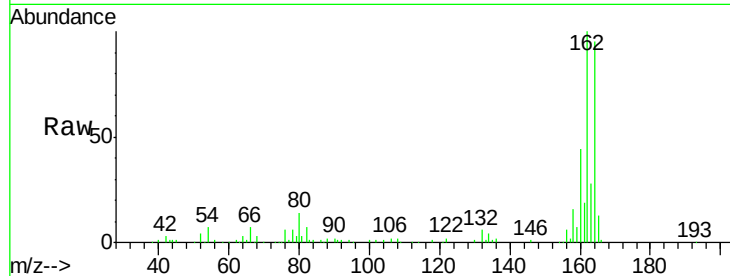




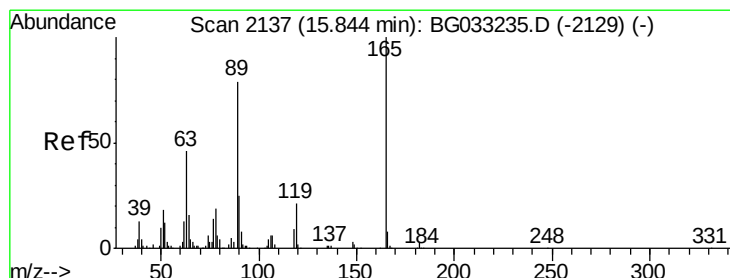
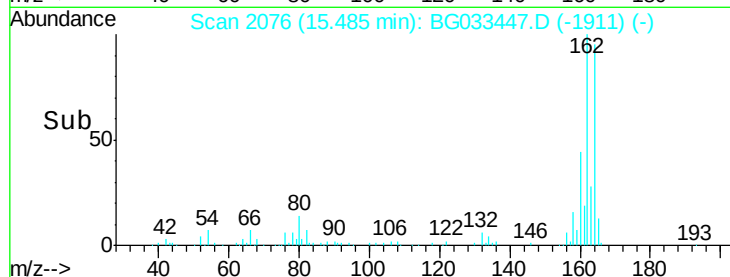
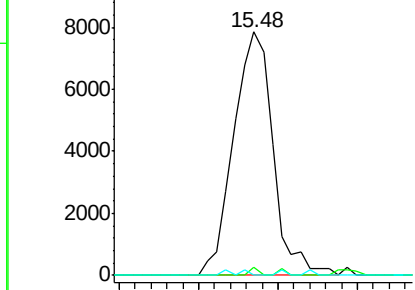
#50
 2,6-Dinitrotoluene
 Concen: 7.681 ng
 RT: 15.48 min Scan# 2076
 Delta R.T. 0.44 min
 Lab File: BG033447.D
 Acq: 30 Mar 2018 10:00

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 13523
 Ion Ratio Lower Upper
 165 100
 63 3.1 52.7 79.1#
 89 0.0 49.2 73.8#

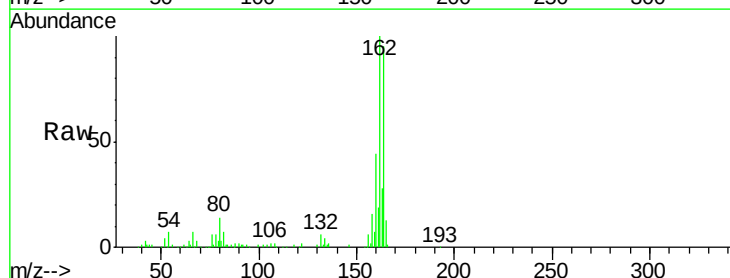


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

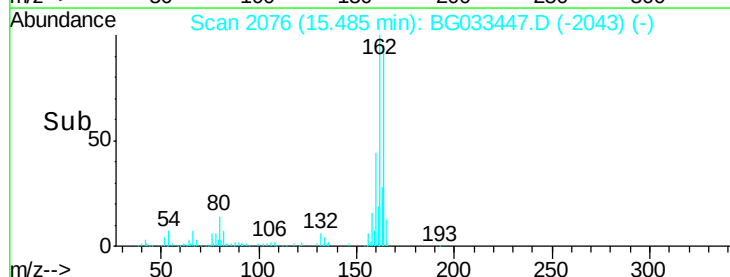
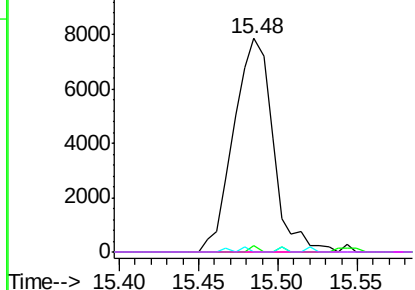


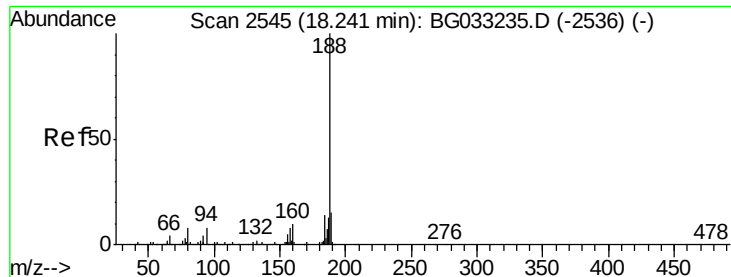
#56
 2,4-Dinitrotoluene
 Concen: 5.217 ng
 RT: 15.48 min Scan# 2076
 Delta R.T. -0.34 min
 Lab File: BG033447.D
 Acq: 30 Mar 2018 10:00

Tgt Ion:165 Resp: 13523
 Ion Ratio Lower Upper
 165 100
 63 3.1 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

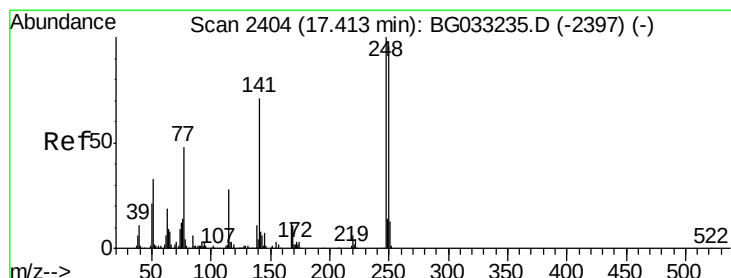
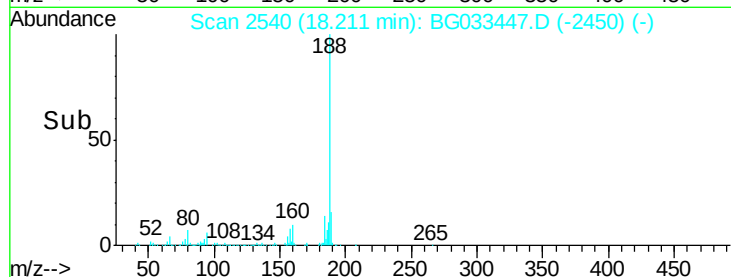
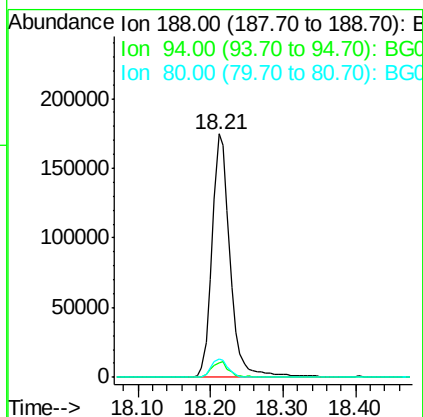
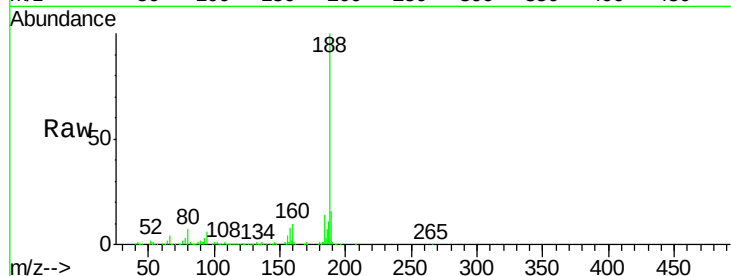




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2540
 Delta R.T. -0.00 min
 Lab File: BG033447.D
 Acq: 30 Mar 2018 10:00

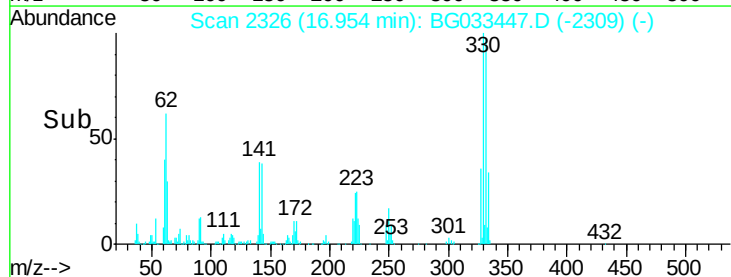
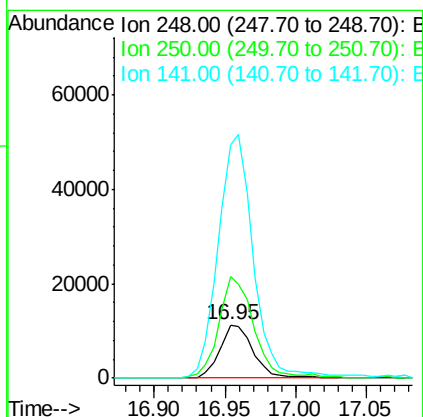
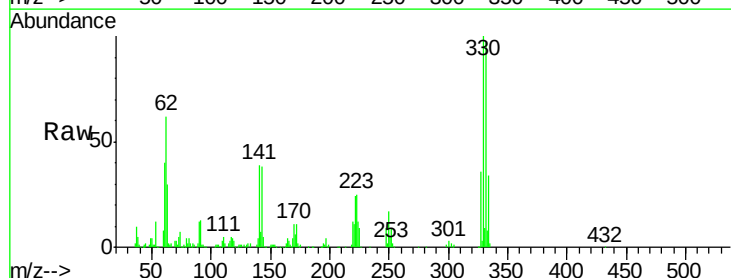
Instrument :
 BNA_G
 ClientSampleId :

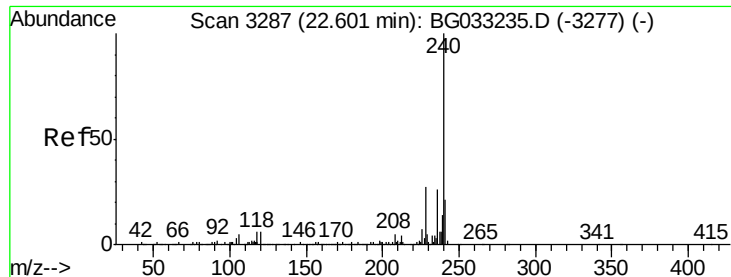
Tot Ion:188 Resp: 303139
 Ion Ratio Lower Upper
 188 100
 94 5.8 6.9 10.3#
 80 7.4 7.7 11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 5.216 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.43 min
 Lab File: BG033447.D
 Acq: 30 Mar 2018 10:00

Tgt Ion:248 Resp: 18570
 Ion Ratio Lower Upper
 248 100
 250 192.1 77.1 115.7#
 141 441.2 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BG033447.D

Acq: 30 Mar 2018 10:00

Instrument :

BNA_G

ClientSampleId :

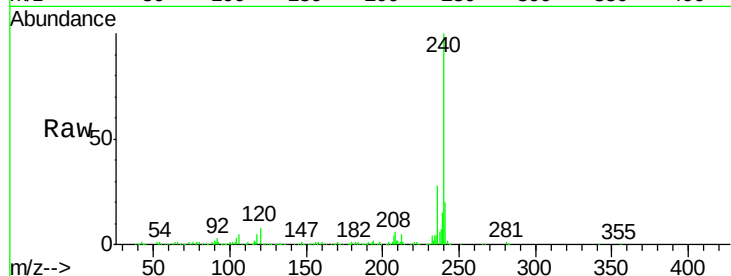
Tot Ion:240 Resp: 317084

Ion Ratio Lower Upper

240 100

120 7.6 6.8 10.2

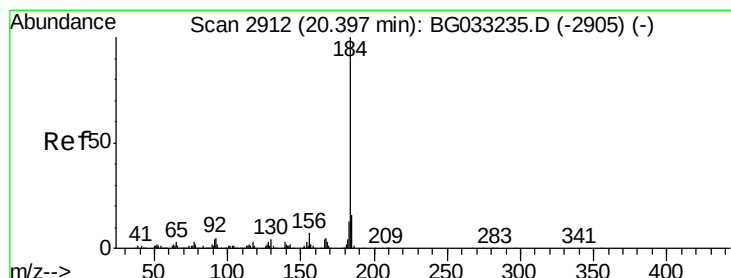
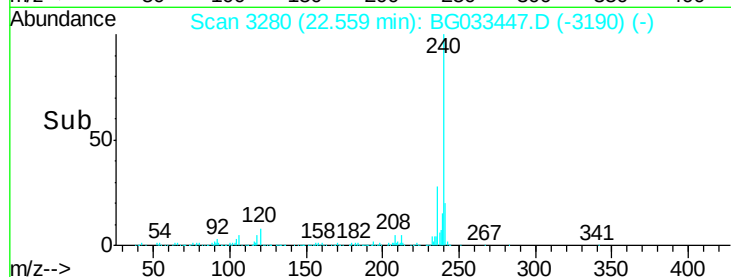
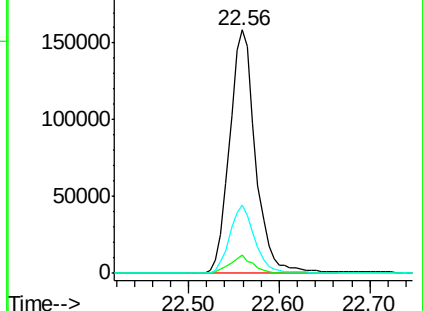
236 28.2 20.9 31.3



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: 3.170 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033447.D

Acq: 30 Mar 2018 10:00

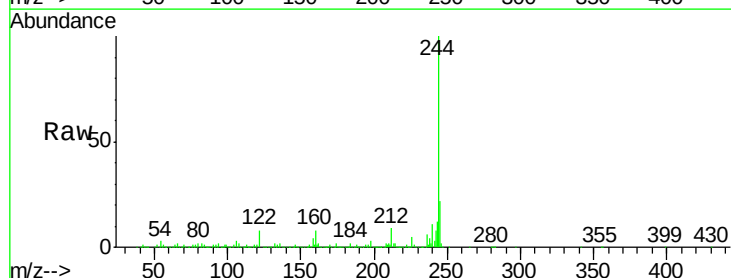
Tgt Ion:184 Resp: 27259

Ion Ratio Lower Upper

184 100

185 12.9 11.1 16.7

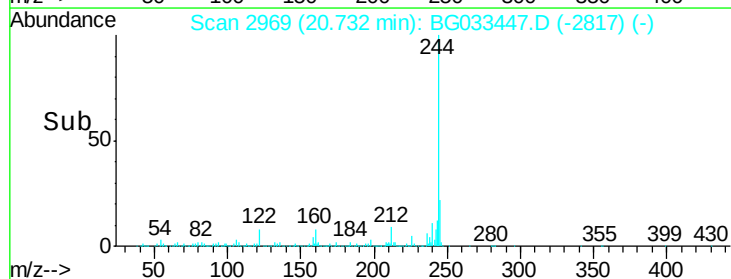
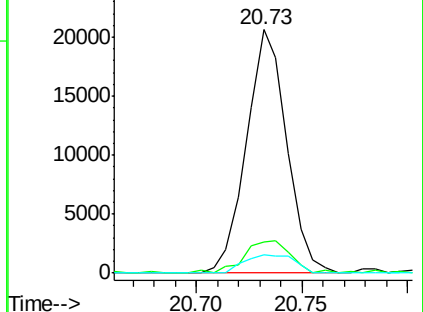
183 7.5 10.6 16.0#

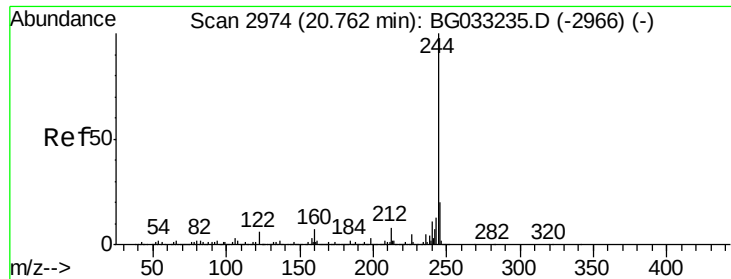


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

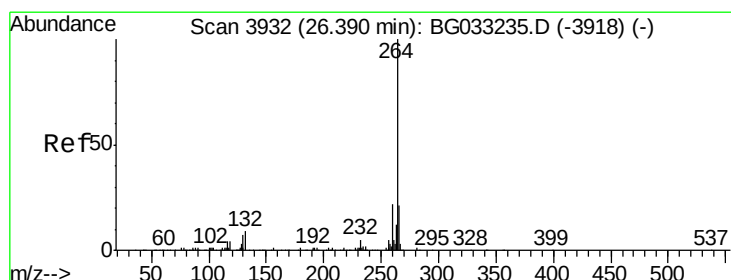
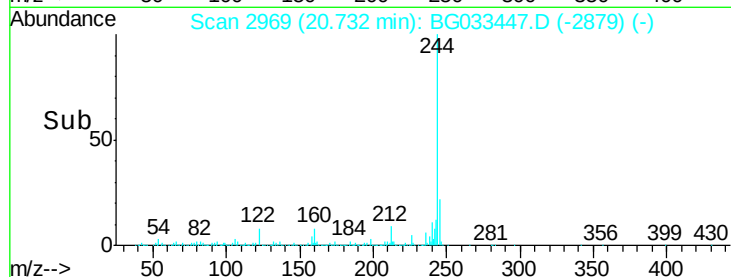
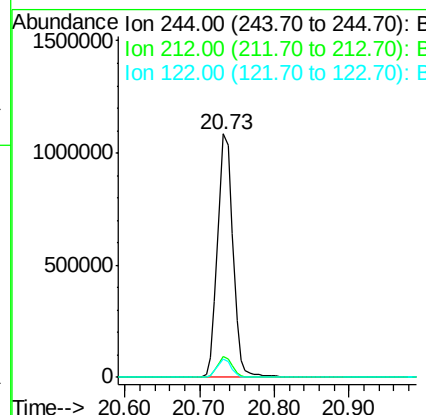
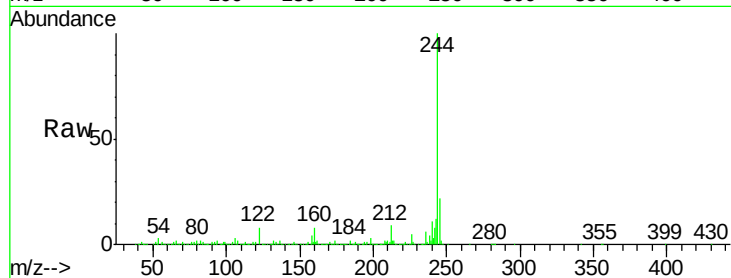




#78
 Terphenyl-d14
 Concen: 105.140 ng
 RT: 20.73 min Scan# 2969
 Delta R.T. -0.00 min
 Lab File: BG033447.D
 Acq: 30 Mar 2018 10:00

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1558869
 Ion Ratio Lower Upper
 244 100
 212 8.8 5.8 8.8#
 122 7.7 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.33 min Scan# 3921
 Delta R.T. -0.01 min
 Lab File: BG033447.D
 Acq: 30 Mar 2018 10:00

Tgt Ion:264 Resp: 321374
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.4 26.0
 265 21.5 17.7 26.5

