

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032718\
 Data File : BG033367.D
 Acq On : 27 Mar 2018 18:20
 Operator : SJ/JU
 Sample : J2038-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 07:54:48 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

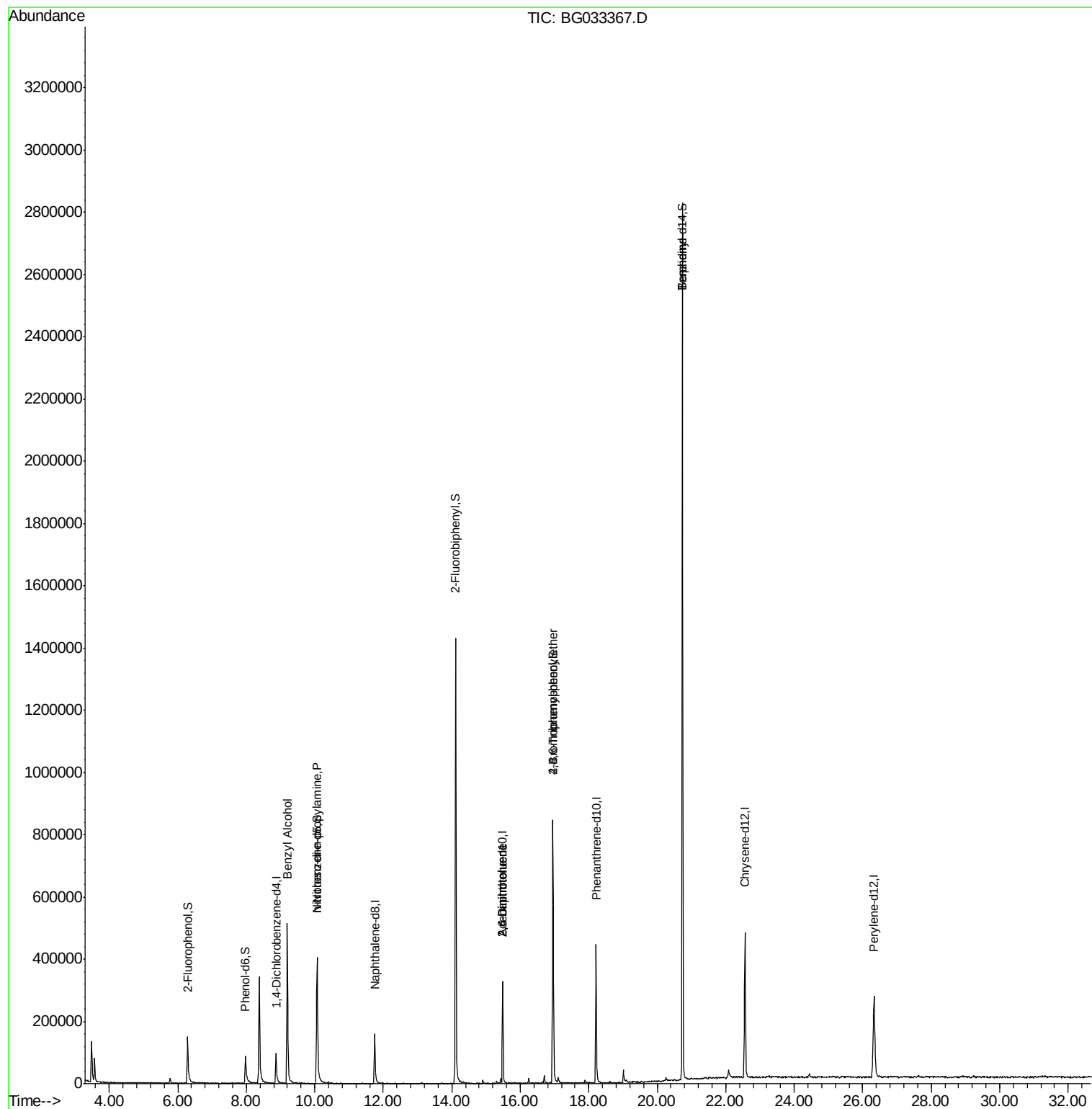
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	35825	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	160839	20.00	ng	-0.03
38) Acenaphthene-d10	15.49	164	124221	20.00	ng	-0.03
63) Phenanthrene-d10	18.22	188	323890	20.00	ng	-0.02
75) Chrysene-d12	22.56	240	342314	20.00	ng	-0.04
86) Perylene-d12	26.33	264	370412	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	87673	45.89	ng	-0.02
7) Phenol-d6	7.97	99	83852	25.54	ng	-0.03
23) Nitrobenzene-d5	10.07	82	323621	92.44	ng	-0.03
41) 2,4,6-Tribromophenol	16.95	330	184307	99.20	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	841190	97.76	ng	-0.03
78) Terphenyl-d14	20.73	244	1473768	92.07	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	9.20	79	5824	2.253	ng	# 59
19) n-Nitroso-di-n-propylamine	10.07	70	43340	18.017	ng	# 79
50) 2,6-Dinitrotoluene	15.48	165	17282	7.818	ng	# 21
56) 2,4-Dinitrotoluene	15.48	165	17281	5.310	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	13394	3.521	ng	# 1
76) Benzidine	20.73	184	23675	2.550	ng	# 85

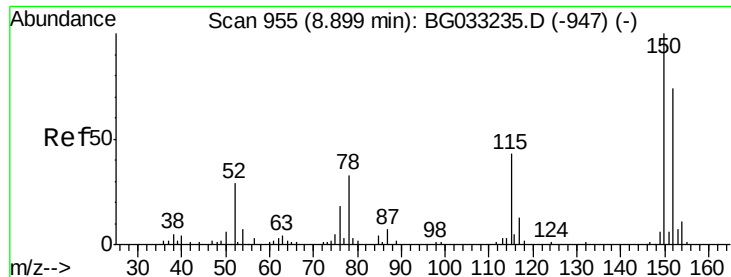
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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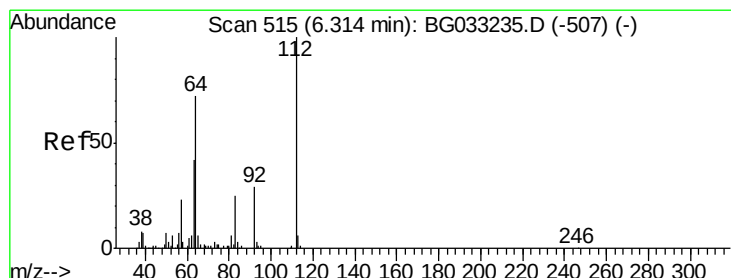
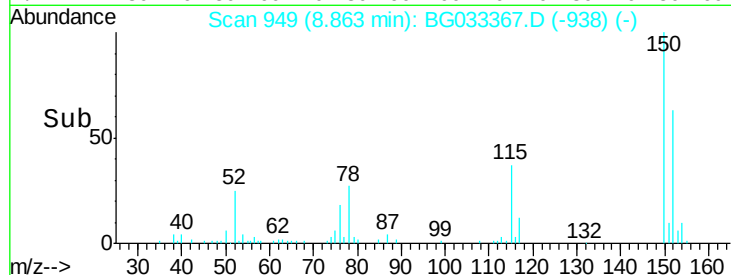
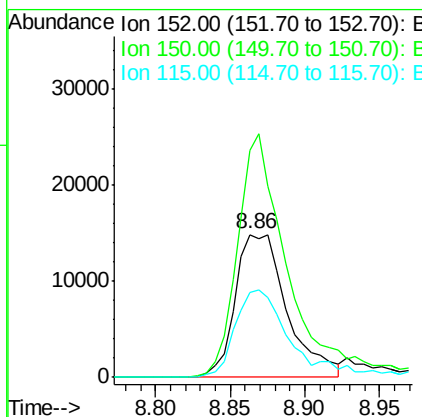
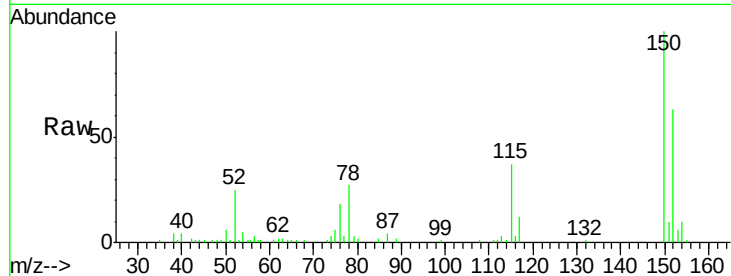




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.86 min Scan# 949
 Delta R.T. -0.03 min
 Lab File: BG033367.D
 Acq: 27 Mar 2018 18:20

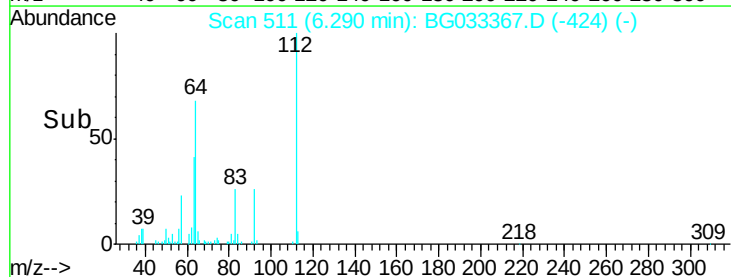
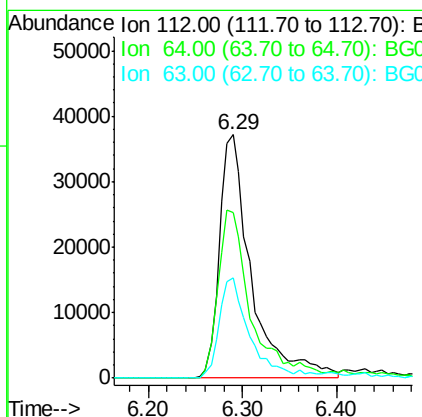
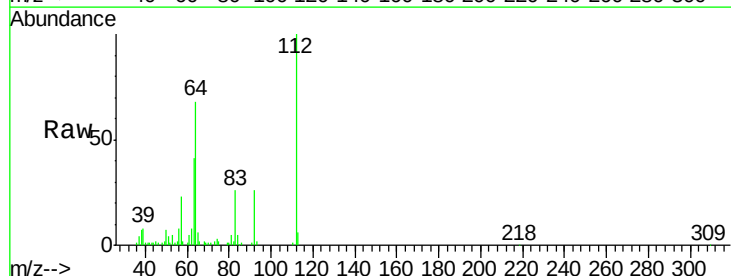
Instrument :
 BNA_G
 ClientSampleId :

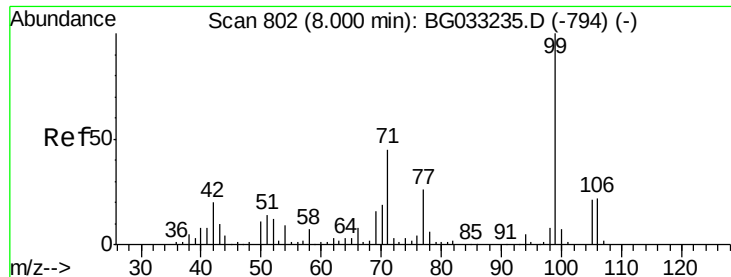
Tot Ion:152 Resp: 35825
 Ion Ratio Lower Upper
 152 100
 150 159.0 126.6 189.8
 115 59.1 53.0 79.4



#5
 2-Fluorophenol
 Concen: 45.889 ng
 RT: 6.29 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: BG033367.D
 Acq: 27 Mar 2018 18:20

Tgt Ion:112 Resp: 87673
 Ion Ratio Lower Upper
 112 100
 64 67.9 56.3 84.5
 63 41.4 30.1 45.1





#7

Phenol-d6

Concen: 25.544 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033367.D

Acq: 27 Mar 2018 18:20

Instrument :

BNA_G

ClientSampleId :

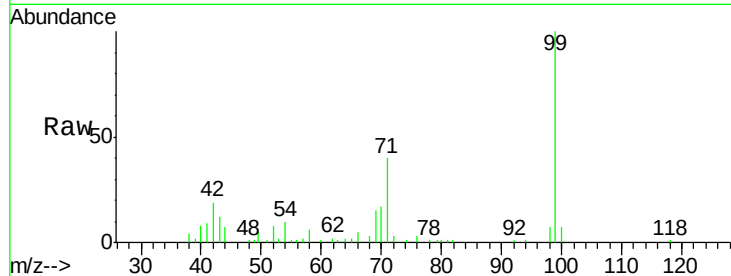
Tot Ion: 99 Resp: 83852

Ion Ratio Lower Upper

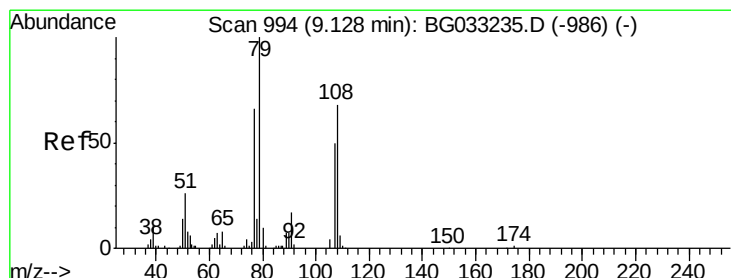
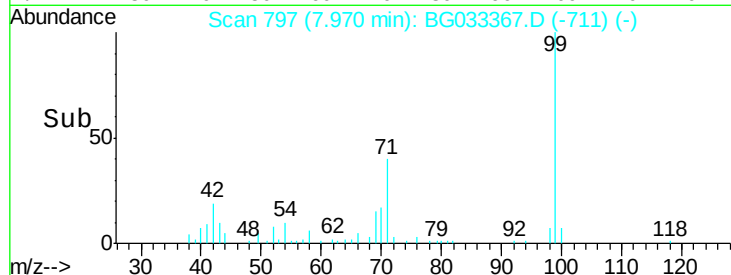
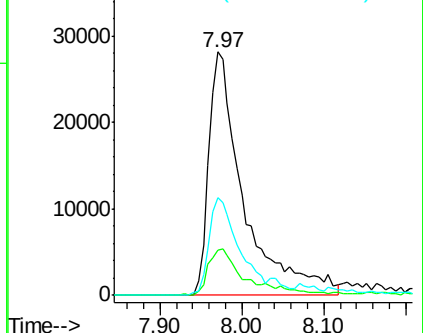
99 100

42 18.7 14.1 21.1

71 40.2 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: 2.253 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.07 min

Lab File: BG033367.D

Acq: 27 Mar 2018 18:20

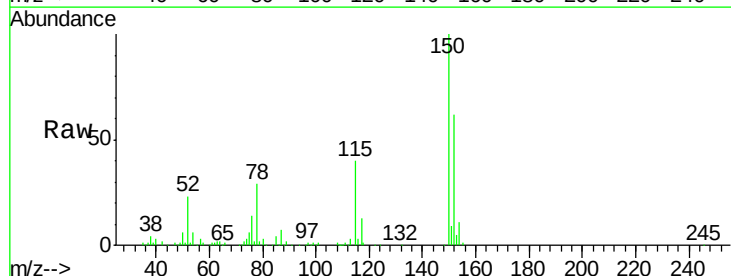
Tgt Ion: 79 Resp: 5824

Ion Ratio Lower Upper

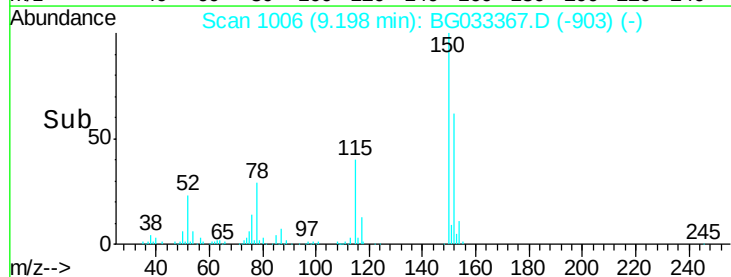
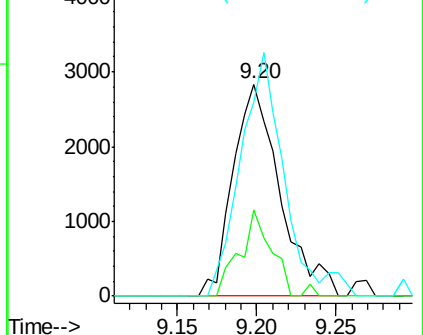
79 100

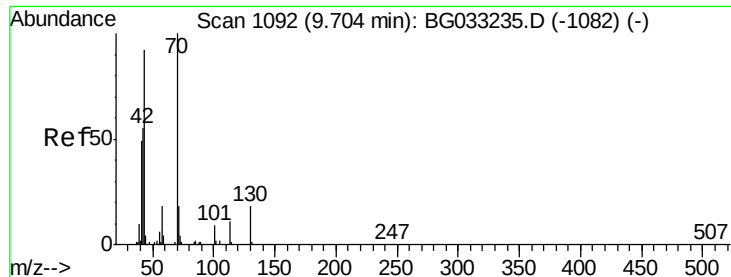
108 40.6 57.2 85.8#

77 91.6 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

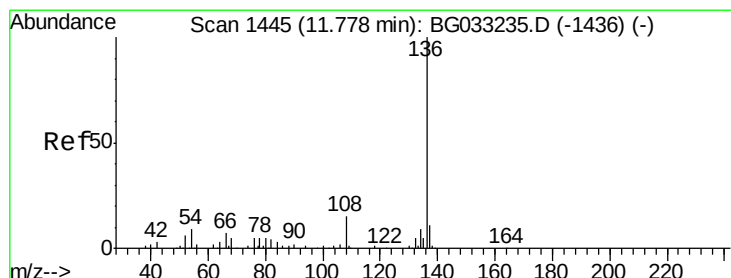
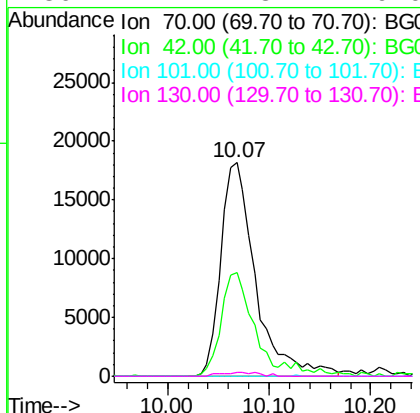
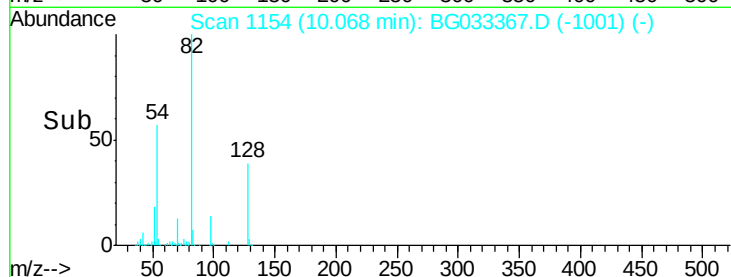
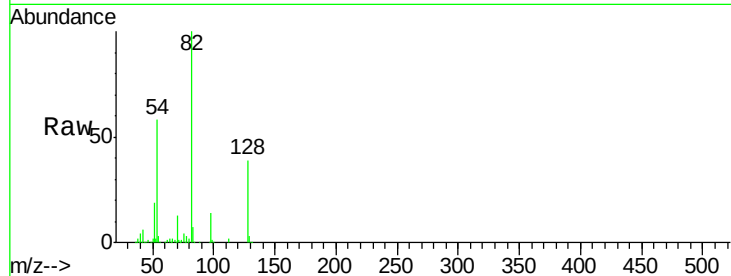




#19
n-Nitroso-di-n-propylamine
Concen: 18.017 ng
RT: 10.07 min Scan# 1154
Delta R.T. 0.37 min
Lab File: BG033367.D
Acq: 27 Mar 2018 18:20

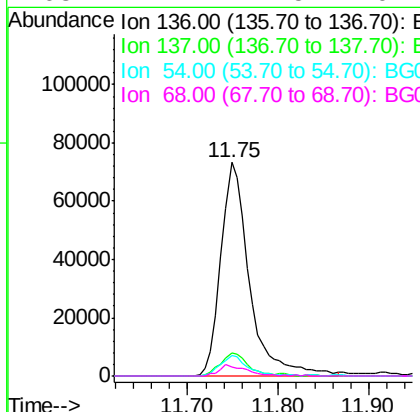
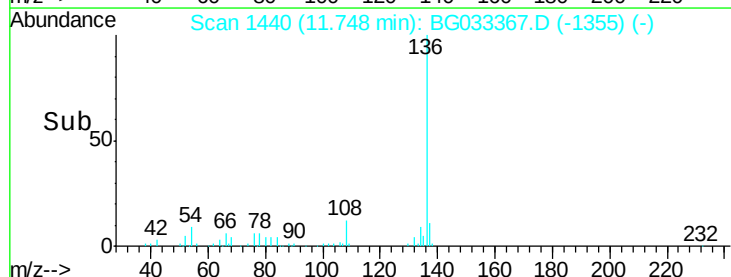
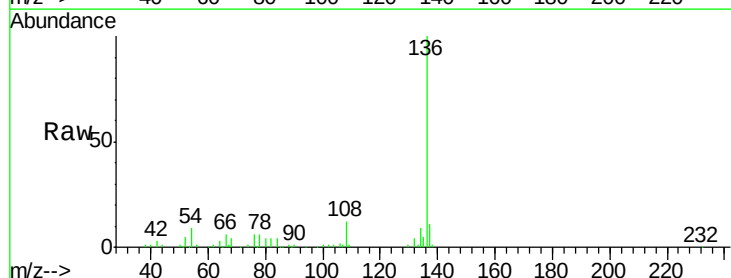
Instrument :
BNA_G
ClientSampled :

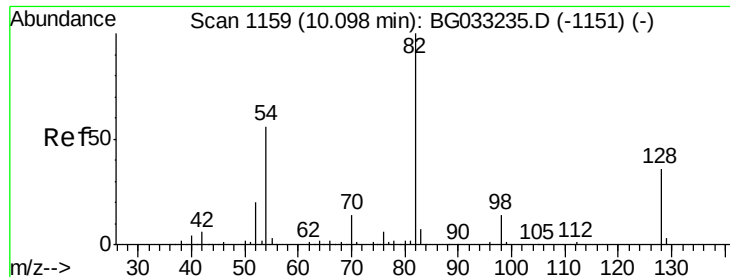
Tot Ion: 70 Resp: 43340
Ion Ratio Lower Upper
70 100
42 48.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.03 min
Lab File: BG033367.D
Acq: 27 Mar 2018 18:20

Tgt Ion: 136 Resp: 160839
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 9.4 10.3 15.5#
68 4.1 4.5 6.7#

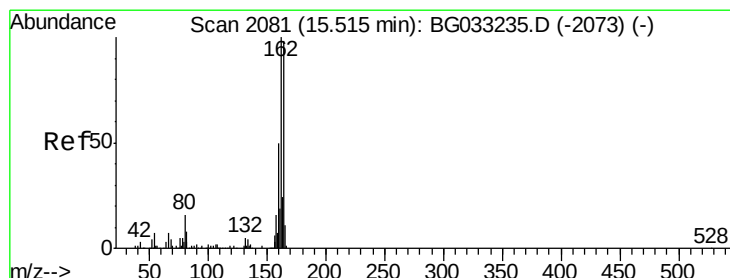
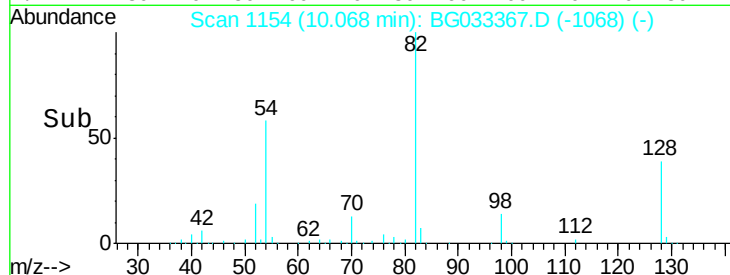
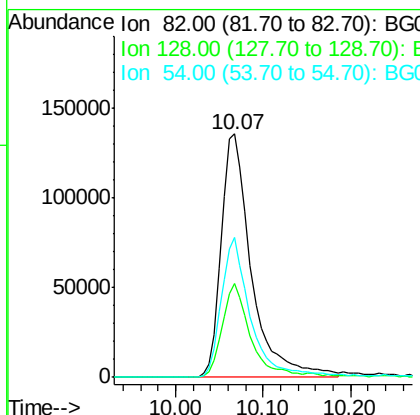
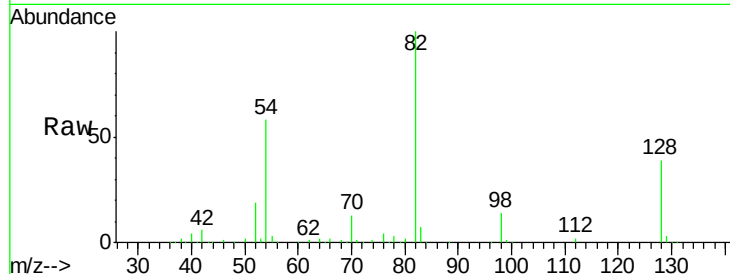




#23
 Nitrobenzene-d5
 Concen: 92.443 ng
 RT: 10.07 min Scan# 1154
 Delta R.T. -0.03 min
 Lab File: BG033367.D
 Acq: 27 Mar 2018 18:20

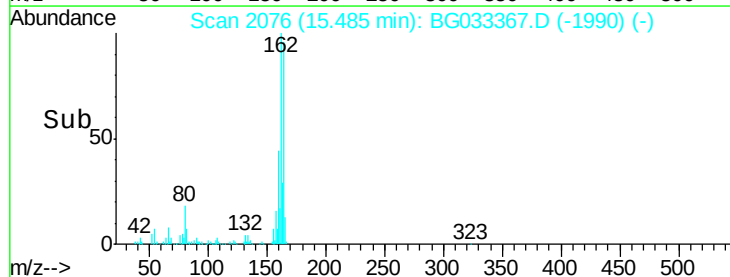
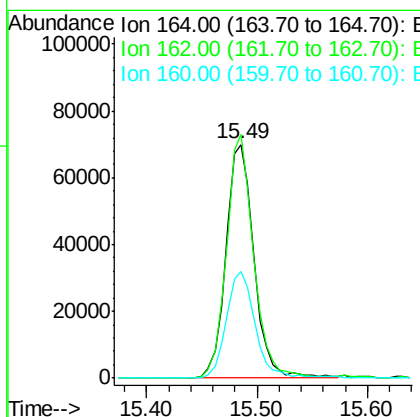
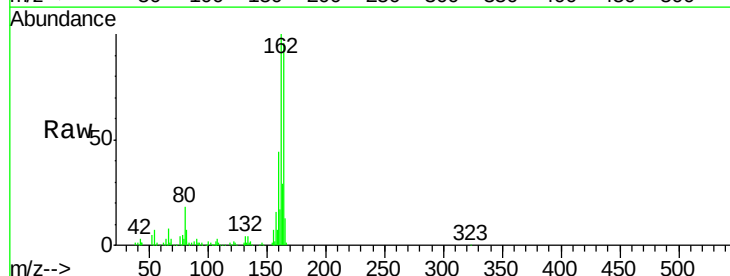
Instrument :
 BNA_G
 ClientSampled :

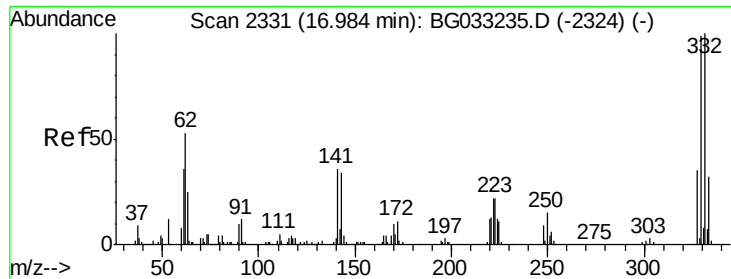
Tot Ion: 82 Resp: 323621
 Ion Ratio Lower Upper
 82 100
 128 38.7 29.7 44.5
 54 57.6 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. -0.03 min
 Lab File: BG033367.D
 Acq: 27 Mar 2018 18:20

Tgt Ion: 164 Resp: 124221
 Ion Ratio Lower Upper
 164 100
 162 104.0 78.8 118.2
 160 45.7 35.4 53.0

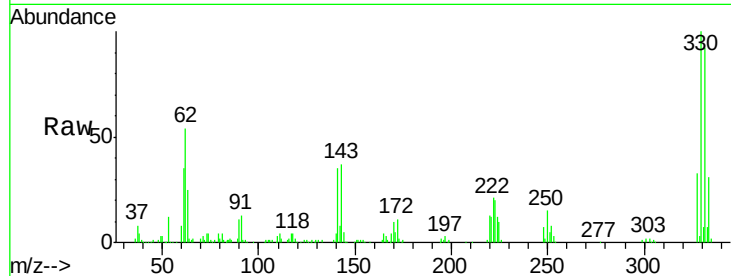




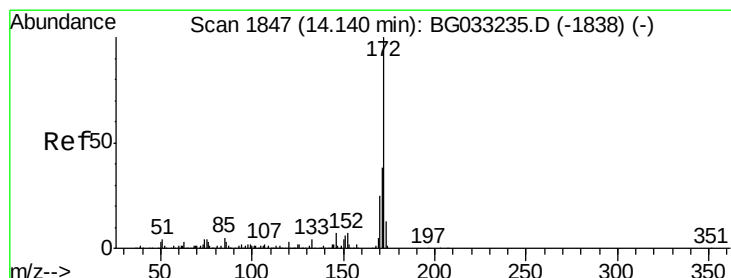
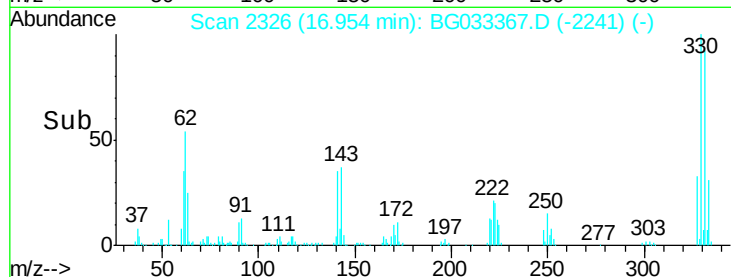
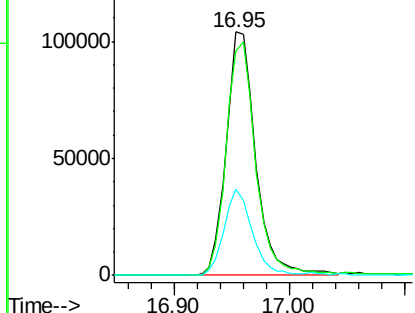
#41
 2,4,6-Tribromophenol
 Concen: 99.203 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.03 min
 Lab File: BG033367.D
 Acq: 27 Mar 2018 18:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	33.8	25.2	37.8

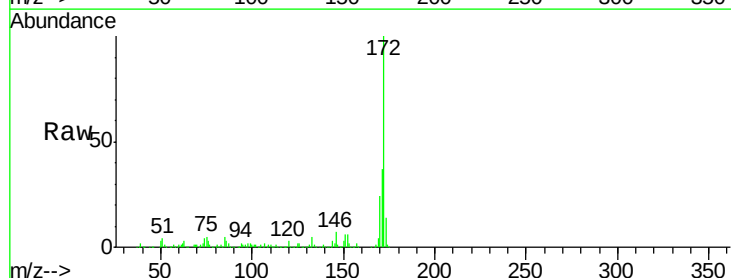


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

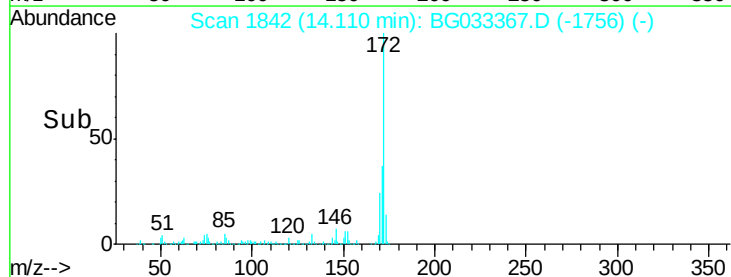
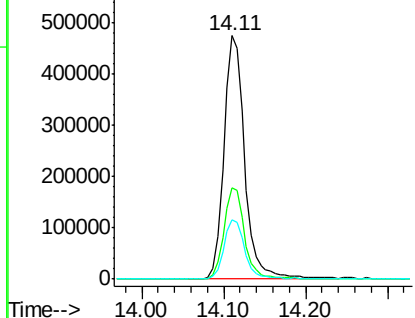


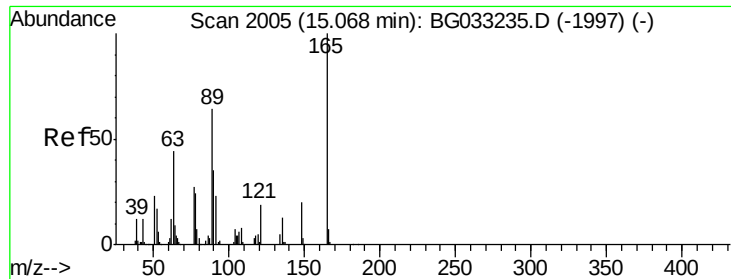
#44
 2-Fluorobiphenyl
 Concen: 97.759 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.03 min
 Lab File: BG033367.D
 Acq: 27 Mar 2018 18:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	24.4	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

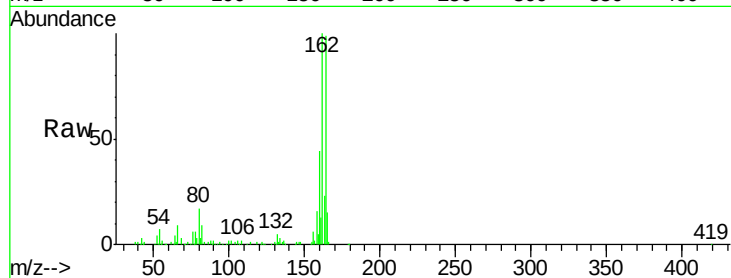




#50
 2,6-Dinitrotoluene
 Concen: 7.818 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.41 min
 Lab File: BG033367.D
 Acq: 27 Mar 2018 18:20

Instrument :
 BNA_G
 ClientSampleId :

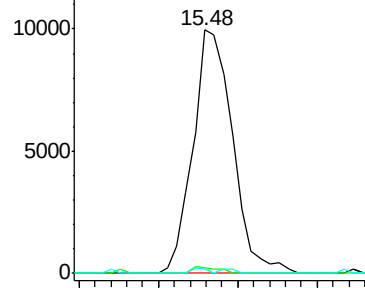
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	52.7	79.1#
89	1.6	49.2	73.8#



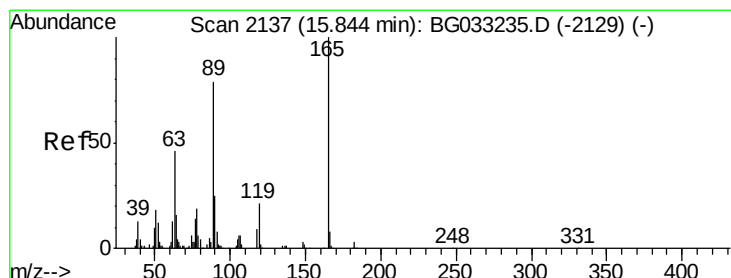
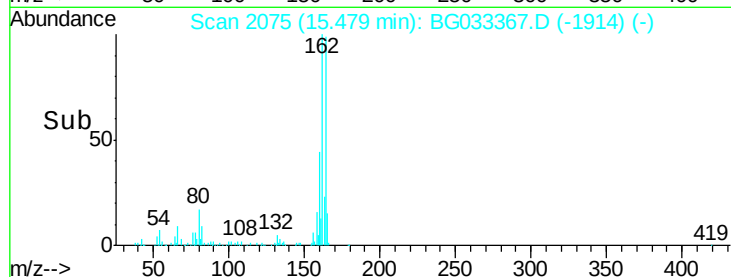
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

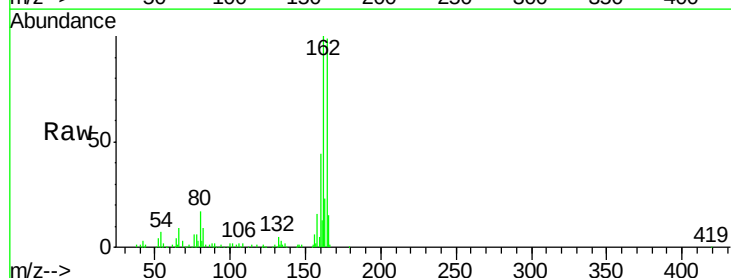


Time--> 15.40 15.45 15.50 15.55



#56
 2,4-Dinitrotoluene
 Concen: 5.310 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.37 min
 Lab File: BG033367.D
 Acq: 27 Mar 2018 18:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	42.0	63.0#
89	1.6	66.9	100.3#
182	0.0	2.6	3.8#

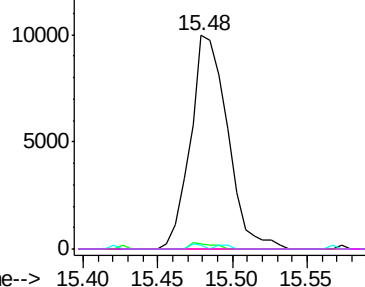


Abundance Ion 165.00 (164.70 to 165.70): E

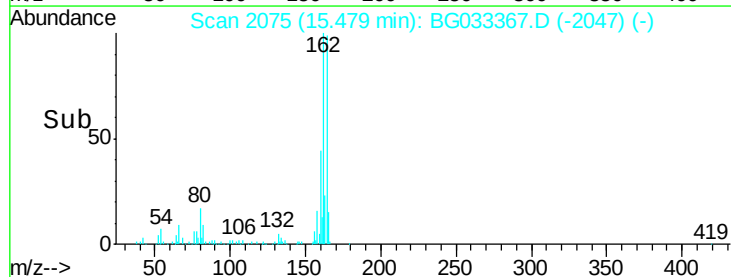
Ion 63.00 (62.70 to 63.70): BGC

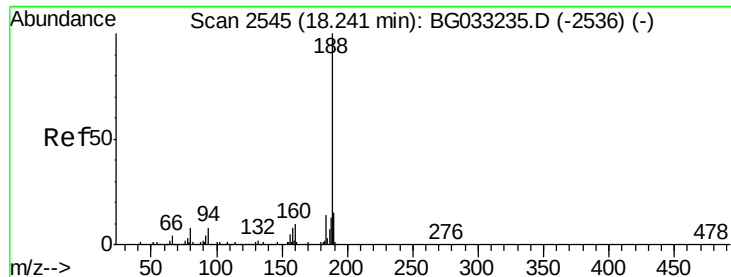
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time--> 15.40 15.45 15.50 15.55

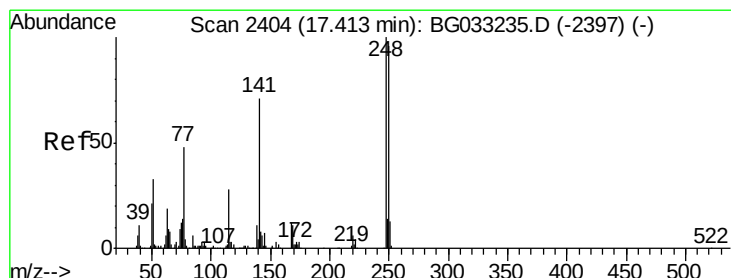
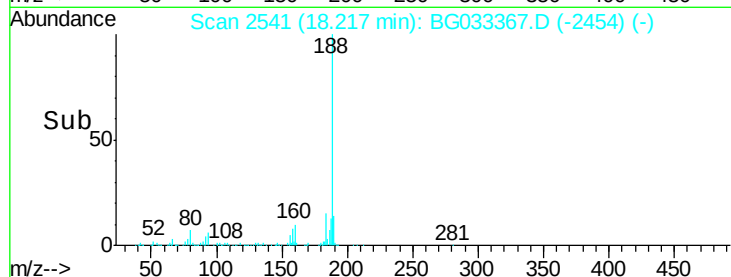
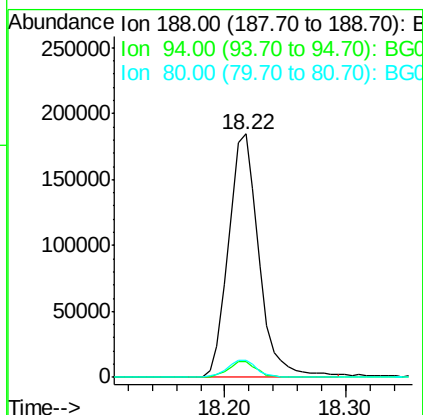
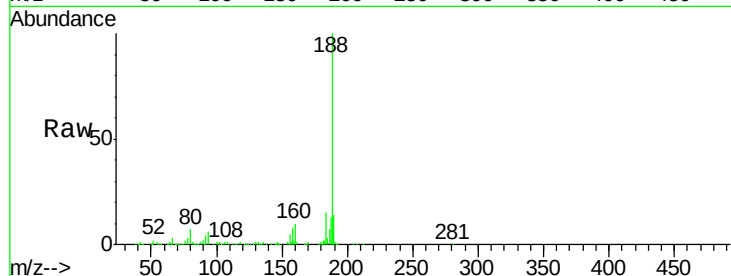




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.22 min Scan# 2541
Delta R.T. -0.02 min
Lab File: BG033367.D
Acq: 27 Mar 2018 18:20

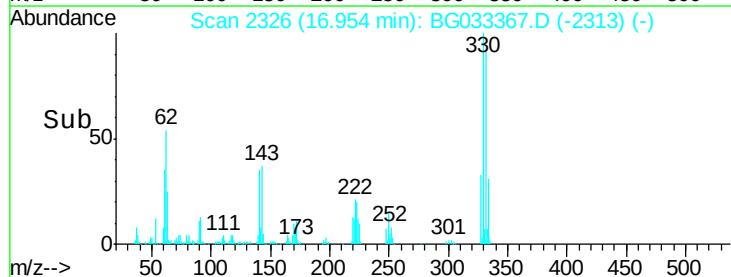
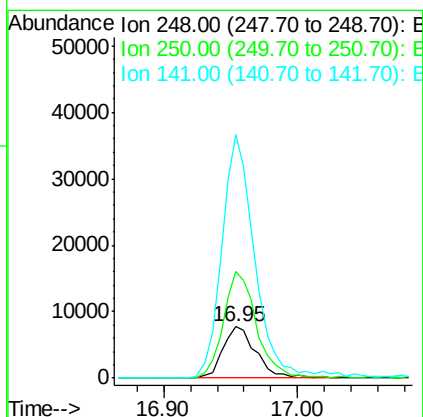
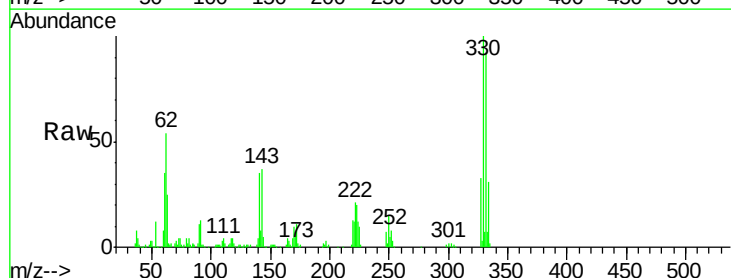
Instrument :
BNA_G
ClientSampled :

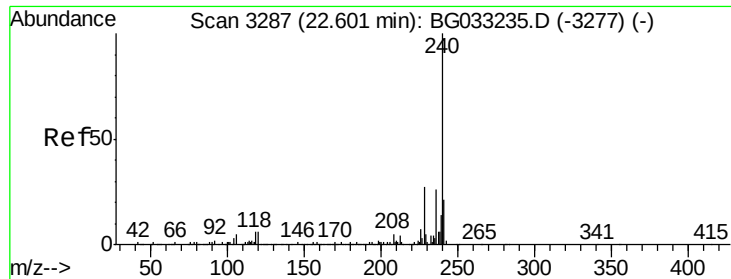
Tot Ion	188	Resp	323890
Ion Ratio	100	Lower	Upper
94	6.4	6.9	10.3#
80	7.0	7.7	11.5#



#66
4-Bromophenyl-phenylether
Concen: 3.521 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.46 min
Lab File: BG033367.D
Acq: 27 Mar 2018 18:20

Tgt Ion	248	Resp	13394
Ion Ratio	100	Lower	Upper
250	209.1	77.1	115.7#
141	475.3	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.04 min

Lab File: BG033367.D

Acq: 27 Mar 2018 18:20

Instrument :

BNA_G

ClientSampleId :

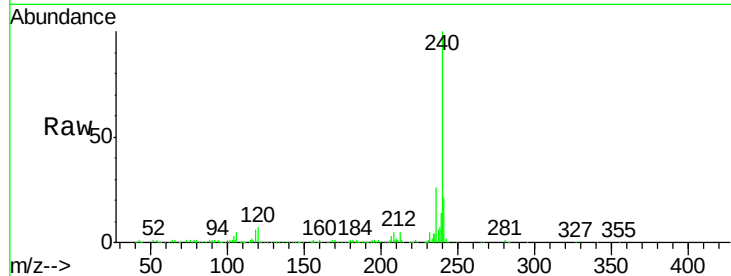
Tot Ion:240 Resp: 342314

Ion Ratio Lower Upper

240 100

120 6.6 6.8 10.2#

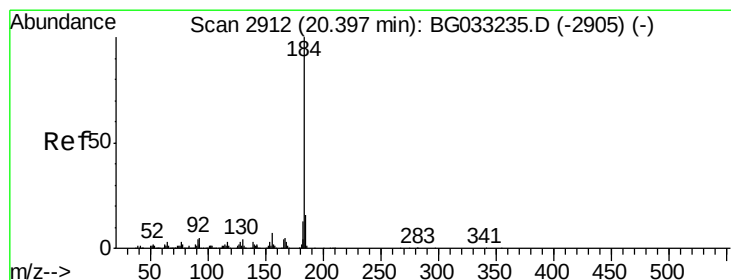
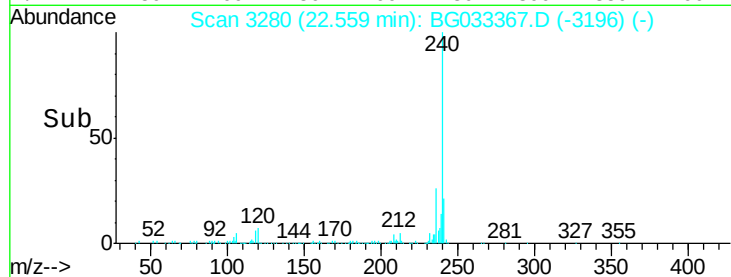
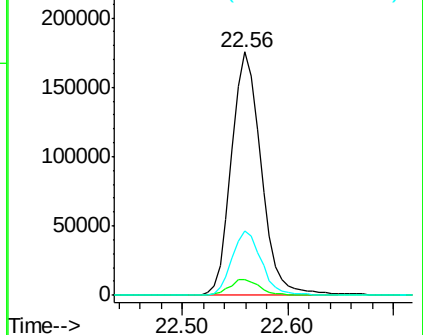
236 26.3 20.9 31.3



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: 2.550 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033367.D

Acq: 27 Mar 2018 18:20

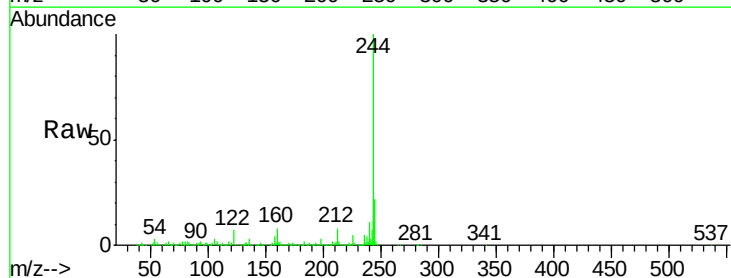
Tgt Ion:184 Resp: 23675

Ion Ratio Lower Upper

184 100

185 21.4 11.1 16.7#

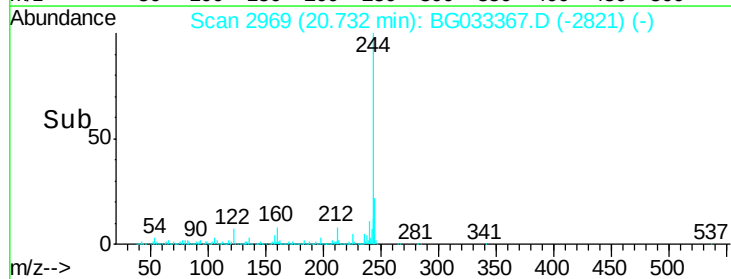
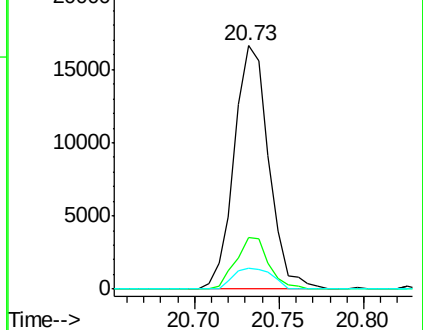
183 8.6 10.6 16.0#

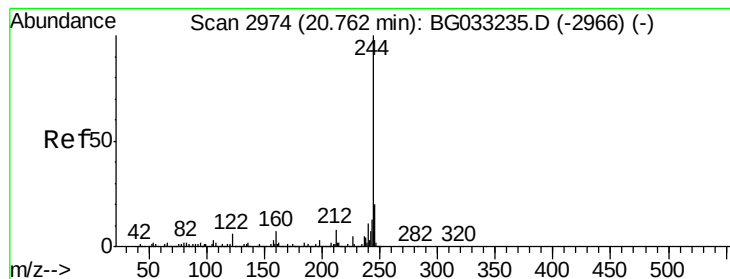


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.074 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033367.D

Acq: 27 Mar 2018 18:20

Instrument :

BNA_G

ClientSampled :

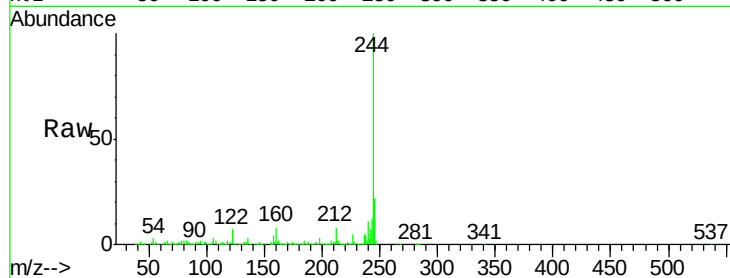
Tot Ion:244 Resp: 1473768

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

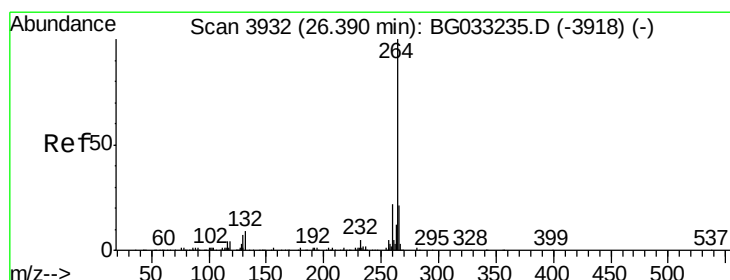
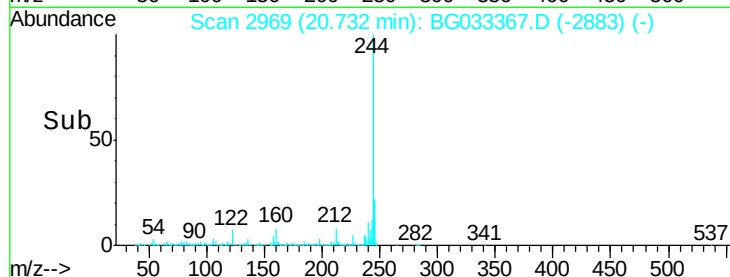
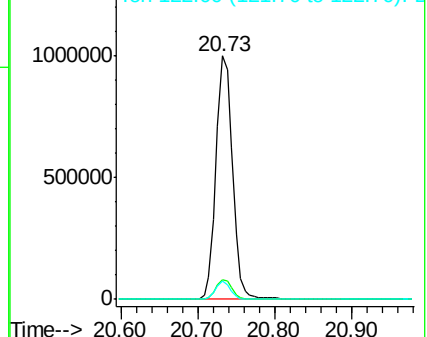
122 7.4 7.0 10.4



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: 26.33 min Scan# 3922

Delta R.T. -0.06 min

Lab File: BG033367.D

Acq: 27 Mar 2018 18:20

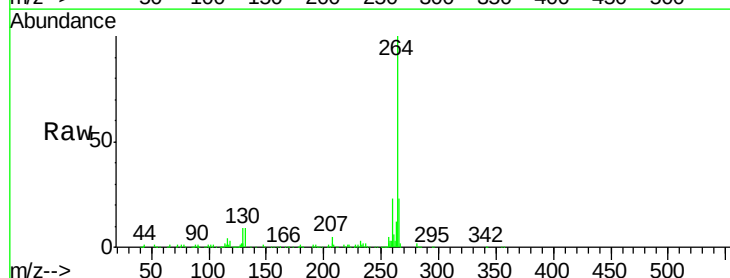
Tgt Ion:264 Resp: 370412

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 23.1 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

