

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032718\
 Data File : BG033368.D
 Acq On : 27 Mar 2018 18:58
 Operator : SJ/JU
 Sample : J2038-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 07:55:12 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

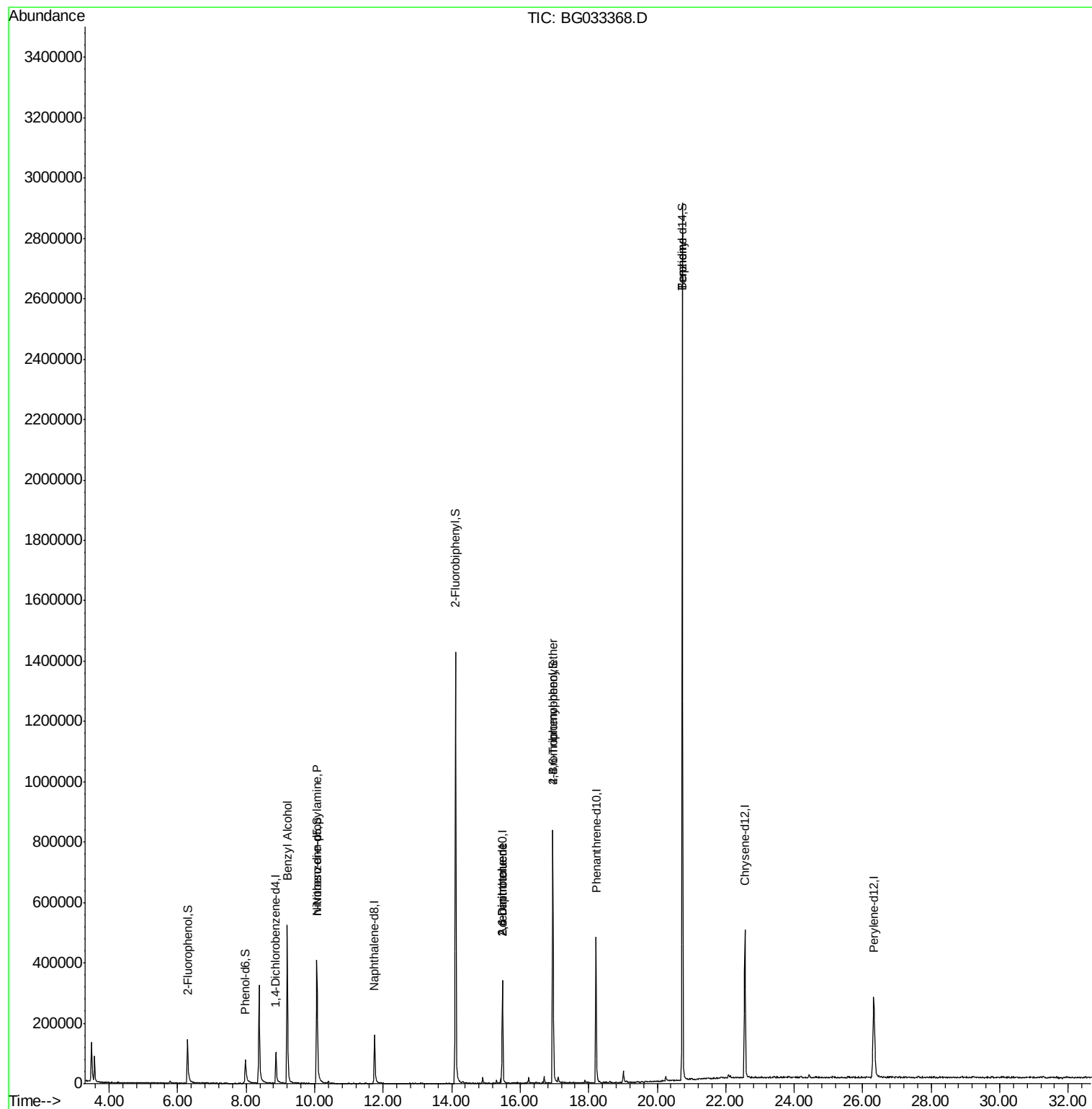
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	39186	20.00	ng	-0.03
21) Naphthalene-d8	11.74	136	161219	20.00	ng	-0.04
38) Acenaphthene-d10	15.48	164	131649	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	350751	20.00	ng	-0.02
75) Chrysene-d12	22.56	240	368713	20.00	ng	-0.04
86) Perylene-d12	26.32	264	387104	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	85338	40.84	ng	-0.02
7) Phenol-d6	7.97	99	76099	21.19	ng	-0.02
23) Nitrobenzene-d5	10.06	82	332144	94.65	ng	-0.03
41) 2,4,6-Tribromophenol	16.96	330	191371	97.19	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	840266	92.14	ng	-0.02
78) Terphenyl-d14	20.73	244	1493632	86.63	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	9.19	79	6269	2.217	ng	# 56
19) n-Nitroso-di-n-propylamine	10.06	70	43053	16.363	ng	# 74
50) 2,6-Dinitrotoluene	15.48	165	17167	7.328	ng	# 20
56) 2,4-Dinitrotoluene	15.48	165	17165	4.976	ng	# 18
66) 4-Bromophenyl-phenylether	16.96	248	13770	3.343	ng	# 1
76) Benzidine	20.73	184	23857	2.386	ng	# 84

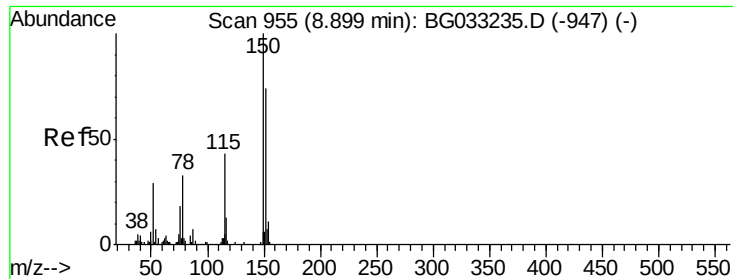
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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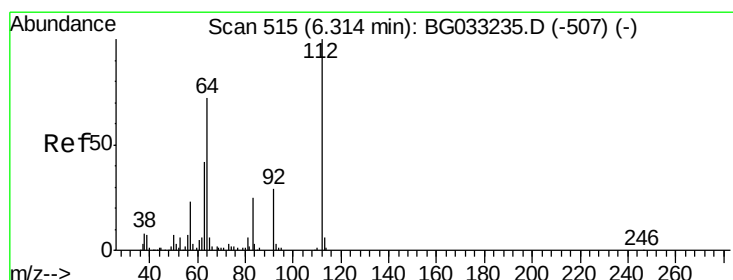
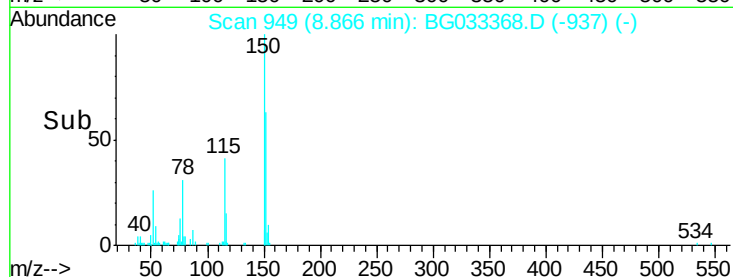
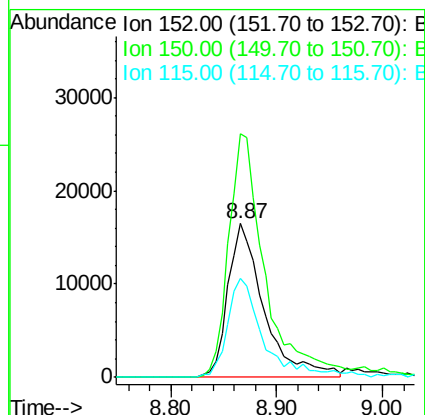
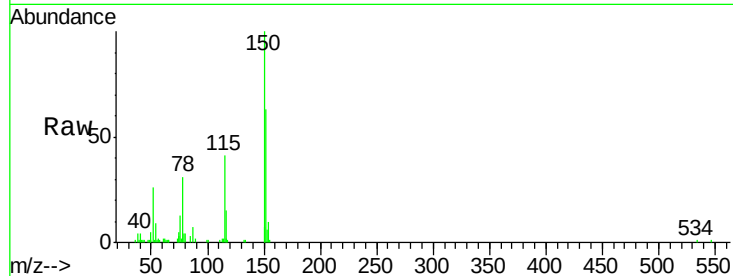


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 949
Delta R.T. -0.03 min
Lab File: BG033368.D
Acq: 27 Mar 2018 18:58

Instrument :
BNA_G
ClientSampleId :

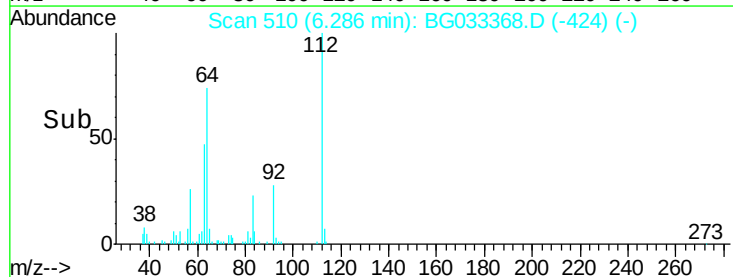
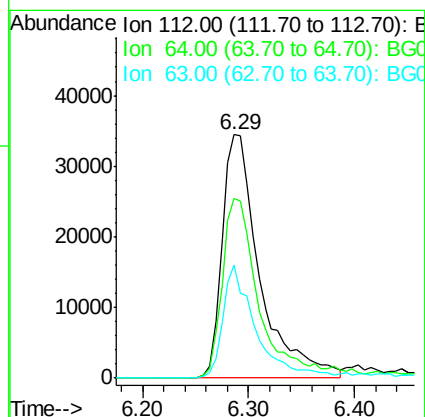
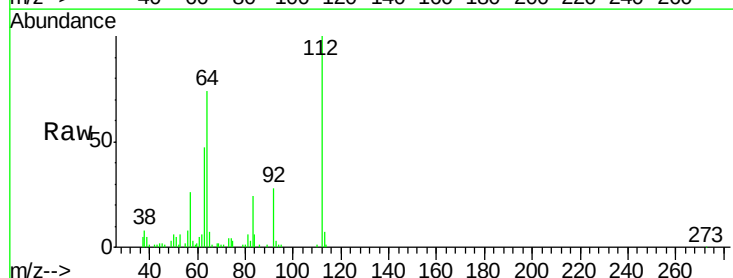
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.6	189.8
115	64.5	53.0	79.4

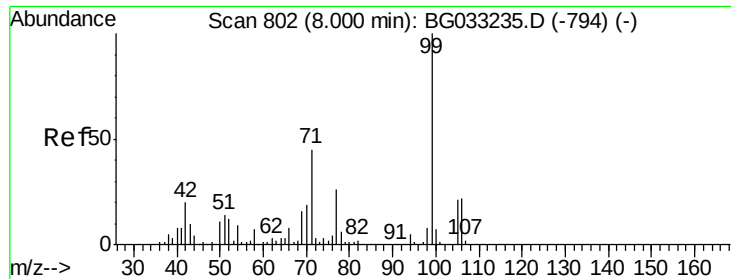


#5

2-Fluorophenol
Concen: 40.836 ng
RT: 6.29 min Scan# 510
Delta R.T. -0.02 min
Lab File: BG033368.D
Acq: 27 Mar 2018 18:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.9	56.3	84.5
63	46.6	30.1	45.1#





#7

Phenol-d6

Concen: 21.193 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.02 min

Lab File: BG033368.D

Acq: 27 Mar 2018 18:58

Instrument :

BNA_G

ClientSampleId :

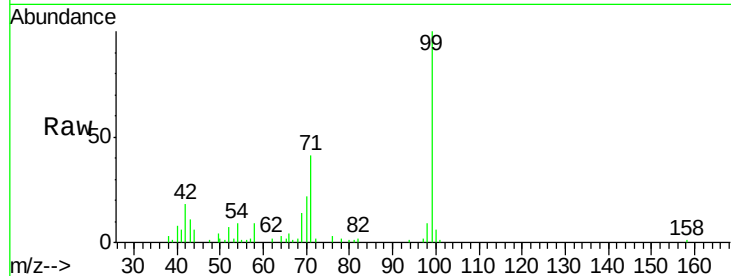
Tot Ion: 99 Resp: 76099

Ion Ratio Lower Upper

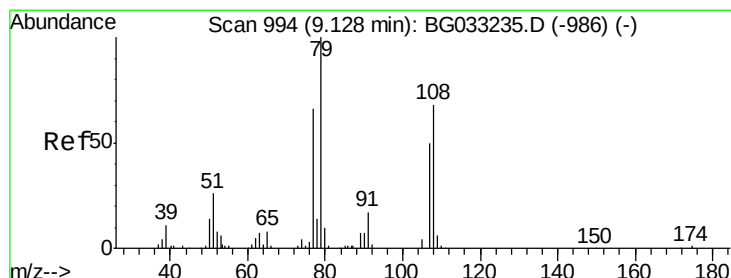
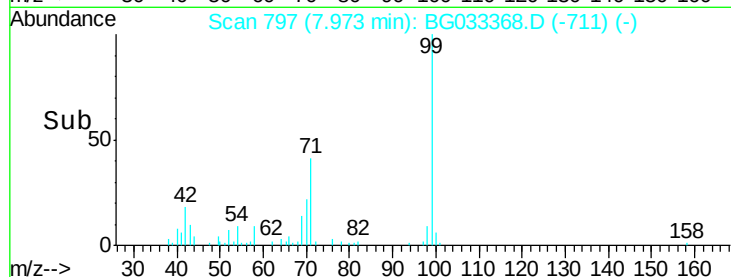
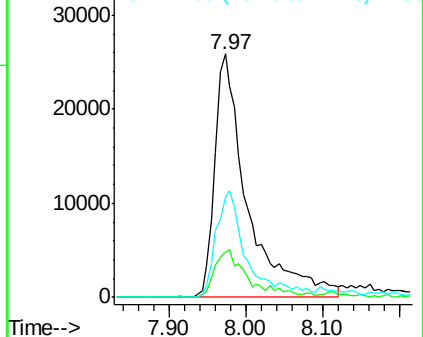
99 100

42 18.3 14.1 21.1

71 41.1 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: 2.217 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.07 min

Lab File: BG033368.D

Acq: 27 Mar 2018 18:58

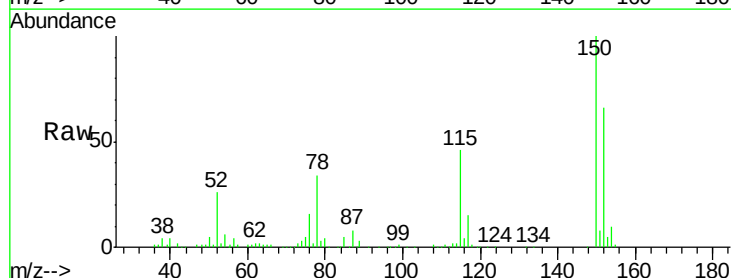
Tgt Ion: 79 Resp: 6269

Ion Ratio Lower Upper

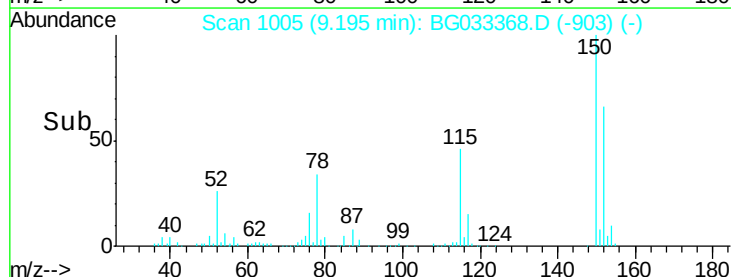
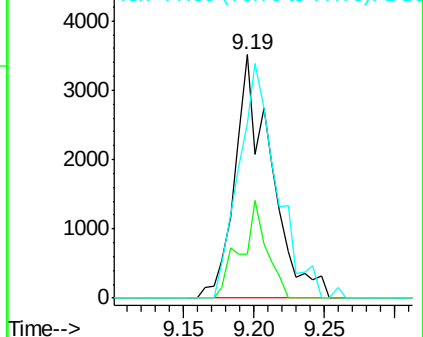
79 100

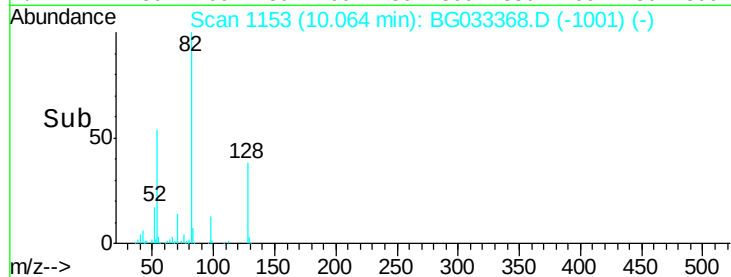
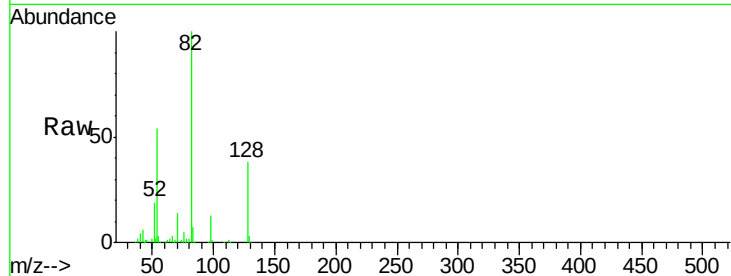
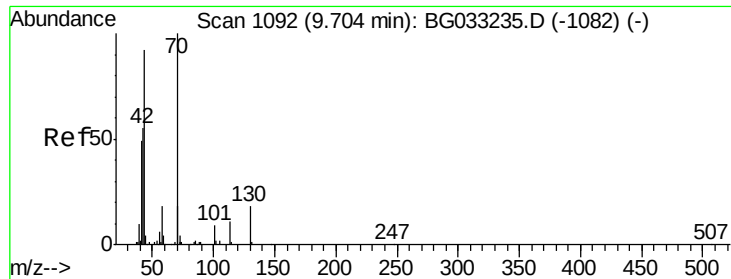
108 18.1 57.2 85.8#

77 71.5 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

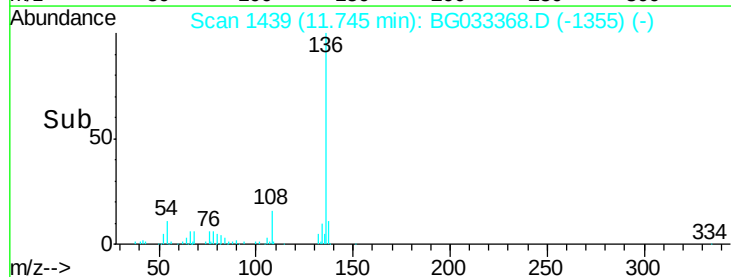
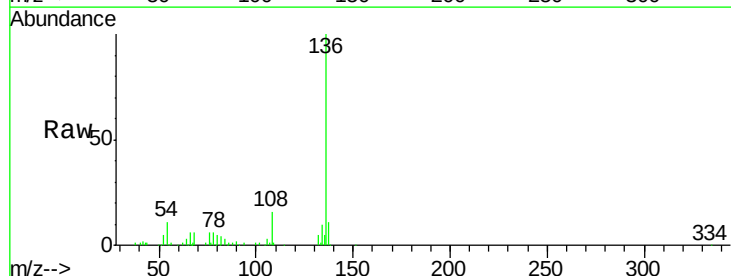
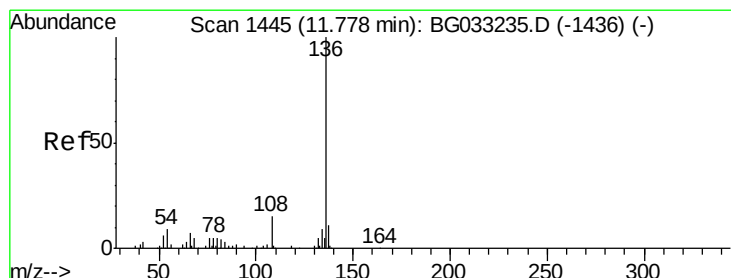
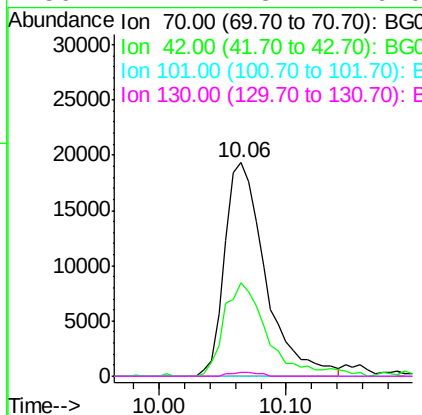




#19
n-Nitroso-di-n-propylamine
Concen: 16.363 ng
RT: 10.06 min Scan# 1153
Delta R.T. 0.36 min
Lab File: BG033368.D
Acq: 27 Mar 2018 18:58

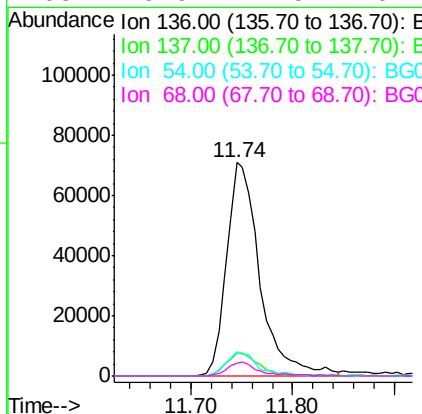
Instrument :
BNA_G
ClientSampleId :

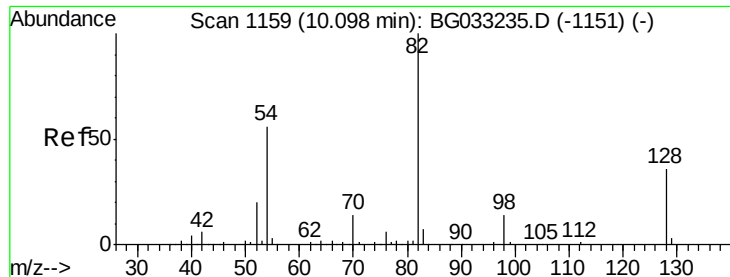
Tot Ion	Ratio	Lower	Upper
70	100		
42	43.6	49.1	73.7#
101	0.0	8.5	12.7#
130	2.1	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. -0.04 min
Lab File: BG033368.D
Acq: 27 Mar 2018 18:58

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	11.3	10.3	15.5
68	5.9	4.5	6.7

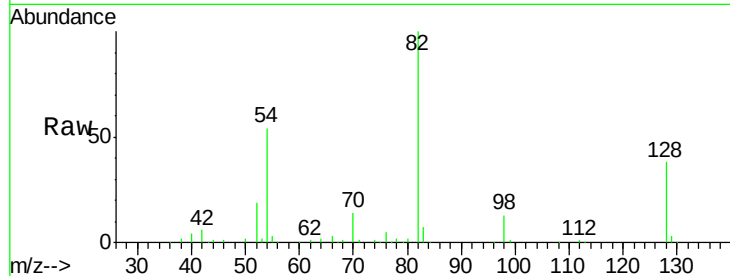




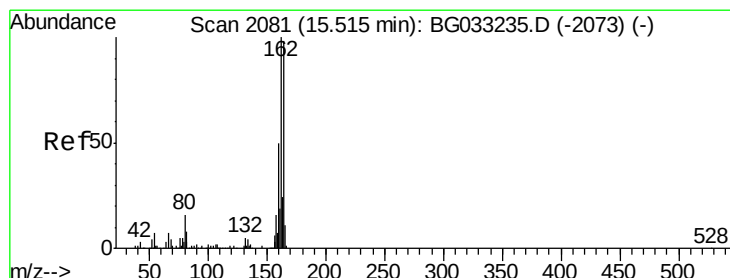
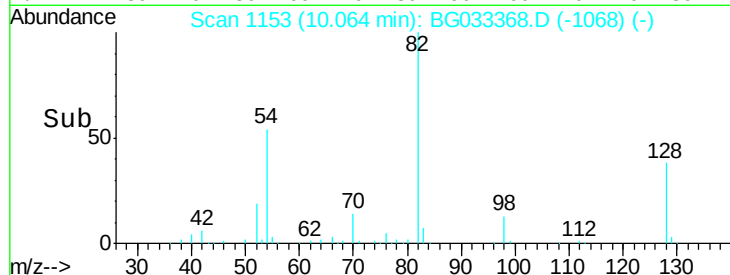
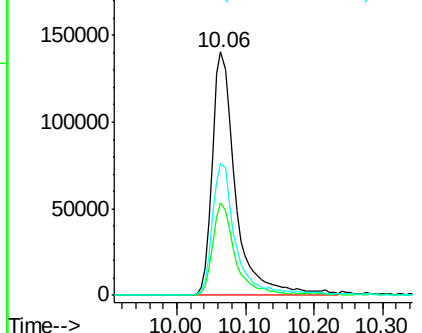
#23
 Nitrobenzene-d5
 Concen: 94.654 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. -0.03 min
 Lab File: BG033368.D
 Acq: 27 Mar 2018 18:58

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 332144
 Ion Ratio Lower Upper
 82 100
 128 38.0 29.7 44.5
 54 54.3 43.1 64.7

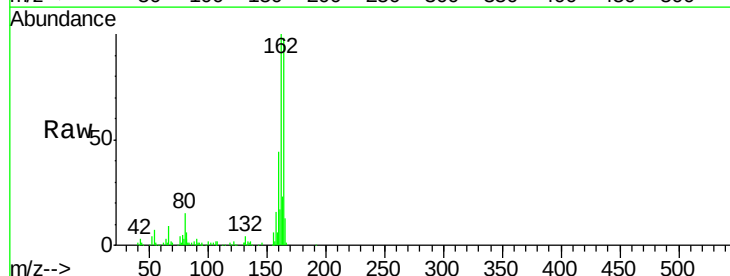


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

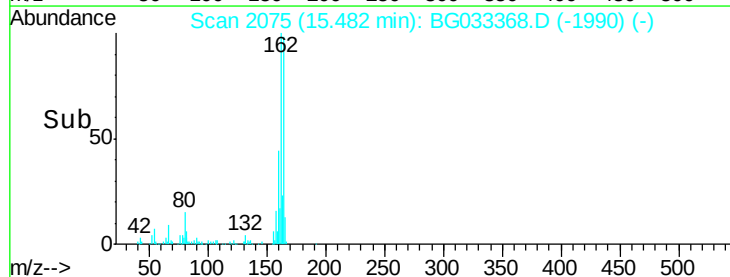
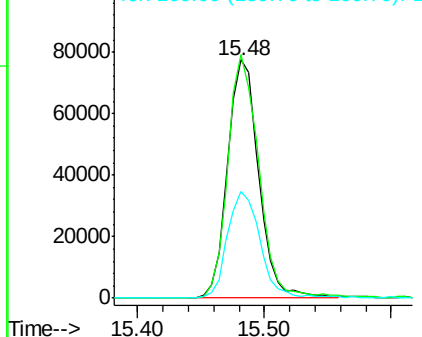


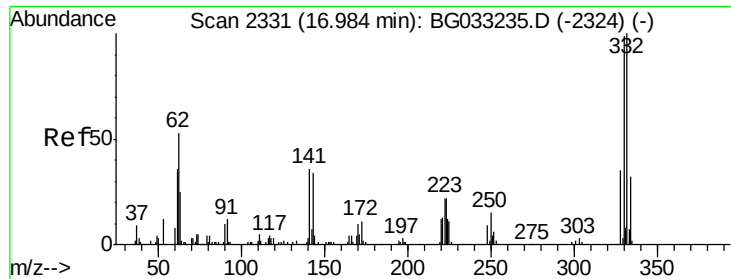
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.03 min
 Lab File: BG033368.D
 Acq: 27 Mar 2018 18:58

Tgt Ion: 164 Resp: 131649
 Ion Ratio Lower Upper
 164 100
 162 102.3 78.8 118.2
 160 44.6 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

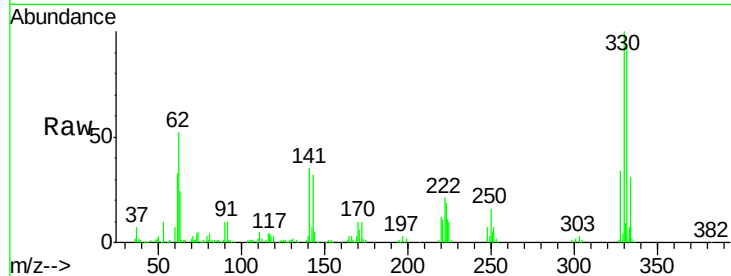




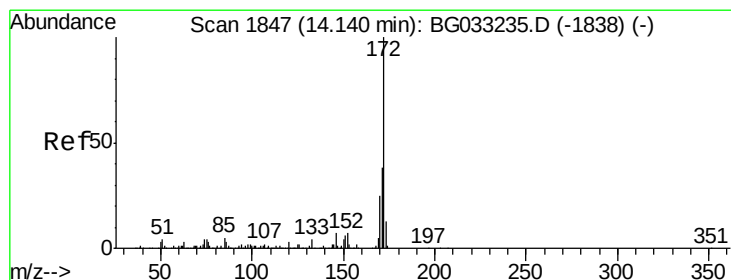
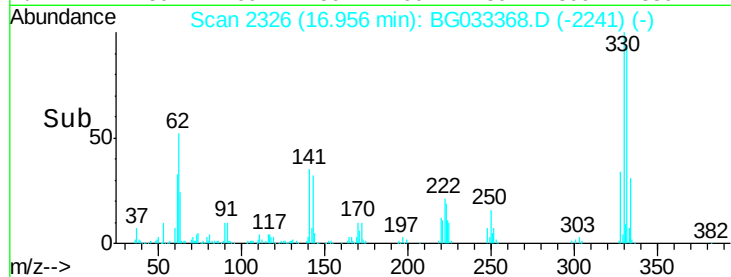
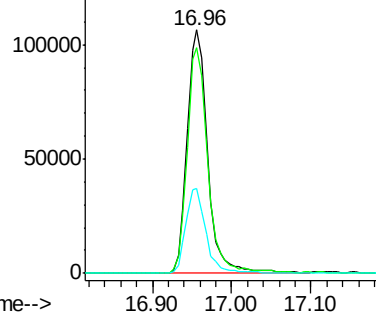
#41
 2,4,6-Tribromophenol
 Concen: 97.194 ng
 RT: 16.96 min Scan# 2326
 Delta R.T. -0.03 min
 Lab File: BG033368.D
 Acq: 27 Mar 2018 18:58

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.4	77.0	115.6
141	34.1	25.2	37.8

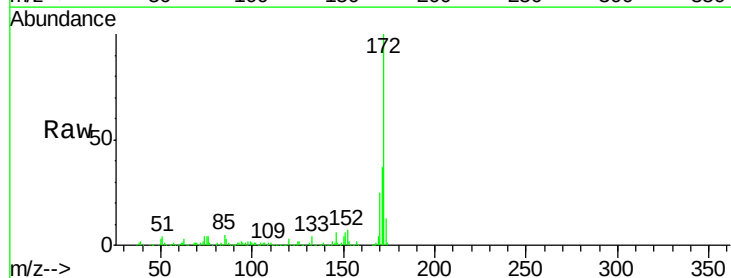


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

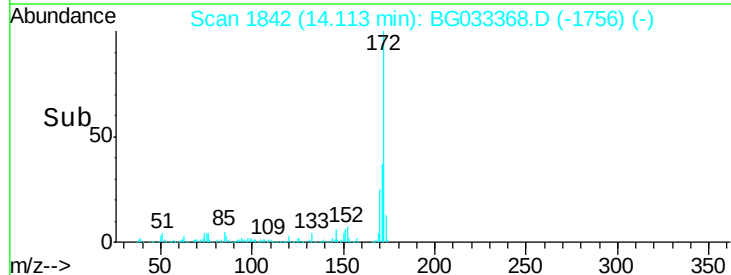
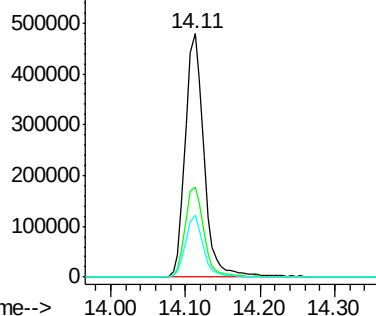


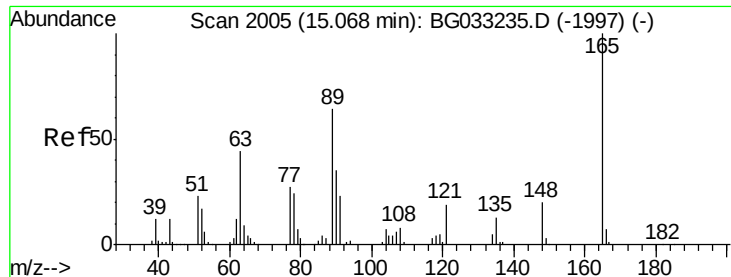
#44
 2-Fluorobiphenyl
 Concen: 92.142 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.02 min
 Lab File: BG033368.D
 Acq: 27 Mar 2018 18:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	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

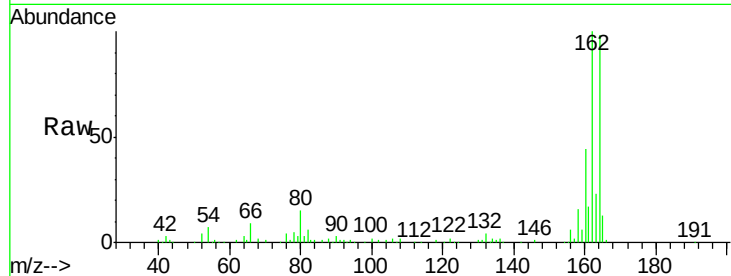




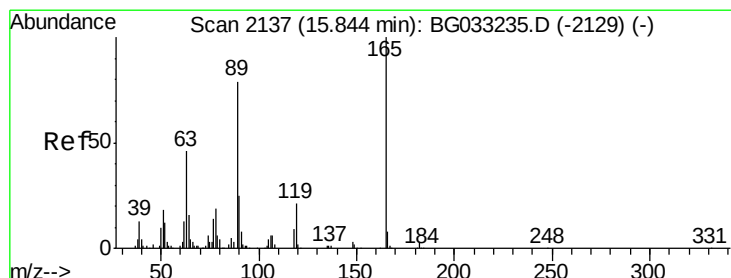
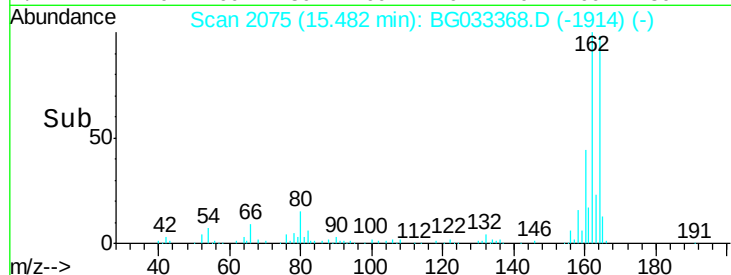
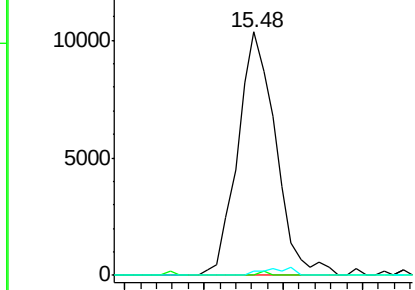
#50
 2,6-Dinitrotoluene
 Concen: 7.328 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.42 min
 Lab File: BG033368.D
 Acq: 27 Mar 2018 18:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 17167
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.9 49.2 73.8#

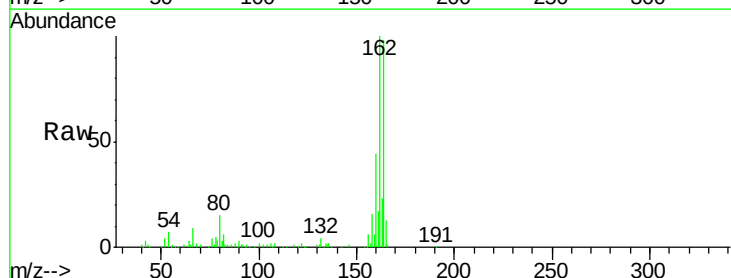


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

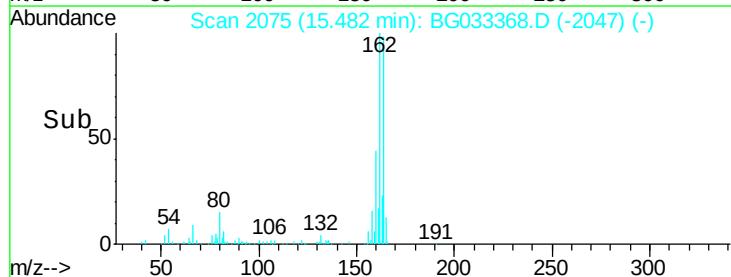
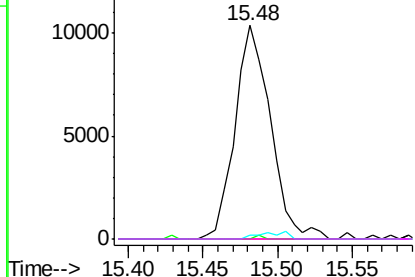


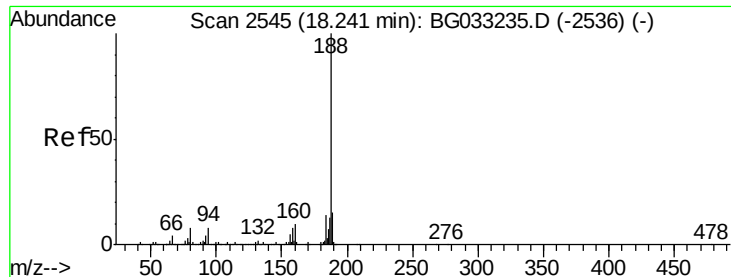
#56
 2,4-Dinitrotoluene
 Concen: 4.976 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.37 min
 Lab File: BG033368.D
 Acq: 27 Mar 2018 18:58

Tgt Ion:165 Resp: 17165
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 1.9 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: BG033368.D

Acq: 27 Mar 2018 18:58

Instrument :

BNA_G

ClientSampled :

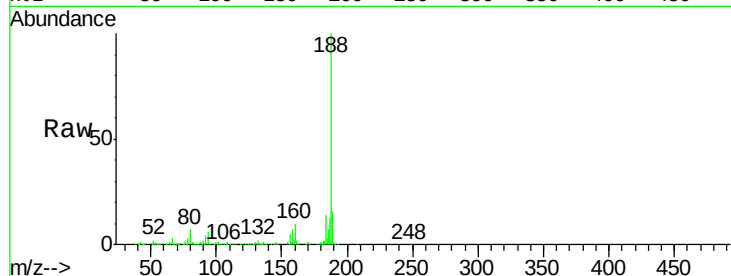
Tot Ion:188 Resp: 350751

Ion Ratio Lower Upper

188 100

94 5.6 6.9 10.3#

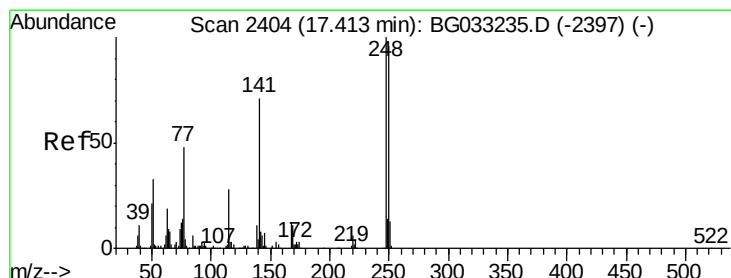
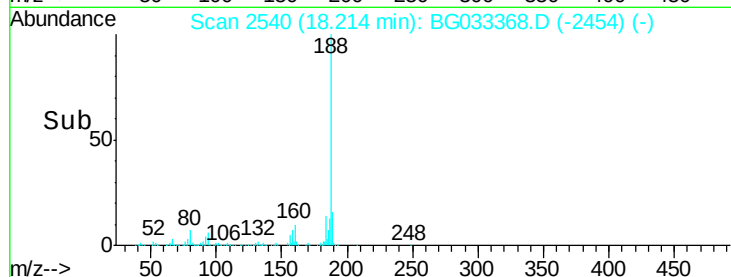
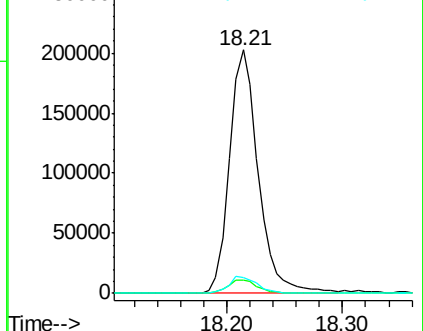
80 6.7 7.7 11.5#



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



#66

4-Bromophenyl-phenylether

Concen: 3.343 ng

RT: 16.96 min Scan# 2326

Delta R.T. -0.45 min

Lab File: BG033368.D

Acq: 27 Mar 2018 18:58

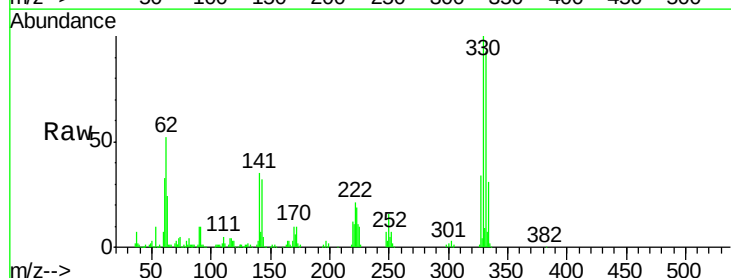
Tgt Ion:248 Resp: 13770

Ion Ratio Lower Upper

248 100

250 229.6 77.1 115.7#

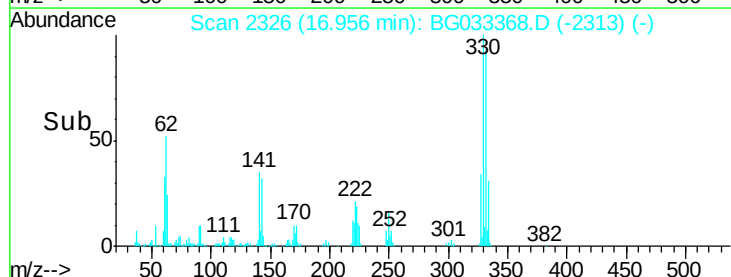
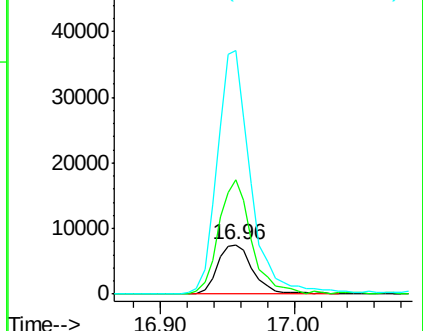
141 490.2 50.8 76.2#

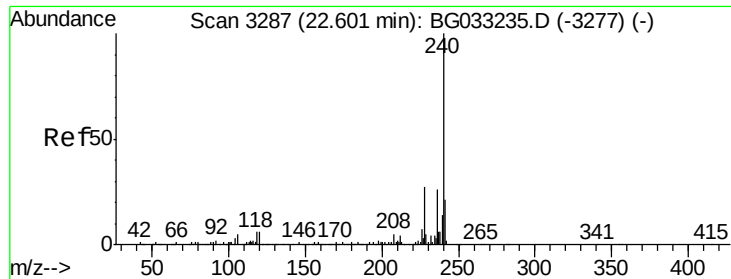


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.56 min Scan# 3279

Delta R.T. -0.04 min

Lab File: BG033368.D

Acq: 27 Mar 2018 18:58

Instrument :

BNA_G

ClientSampled :

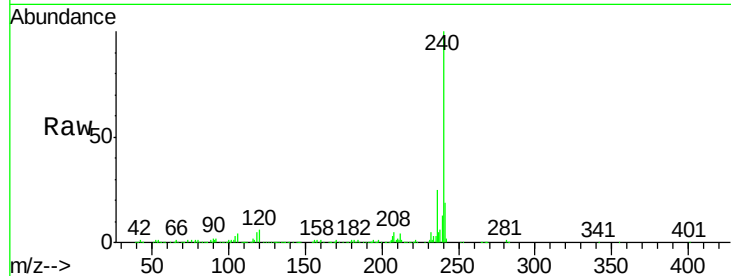
Tot Ion:240 Resp: 368713

Ion Ratio Lower Upper

240 100

120 6.2 6.8 10.2#

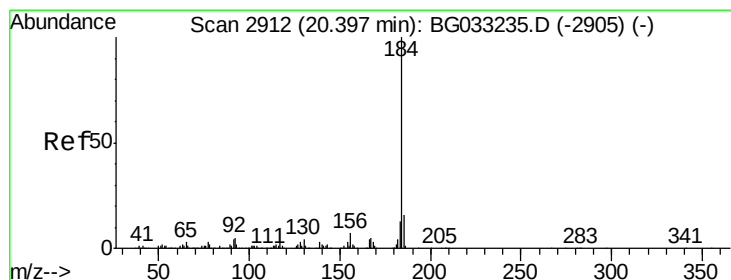
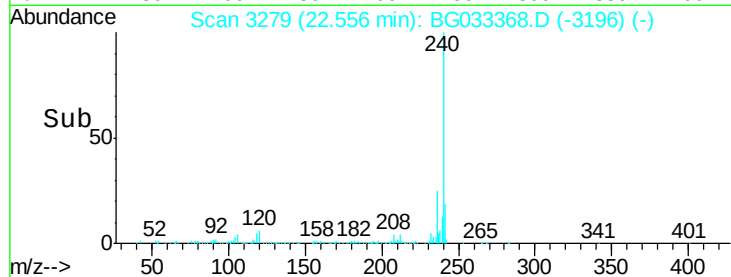
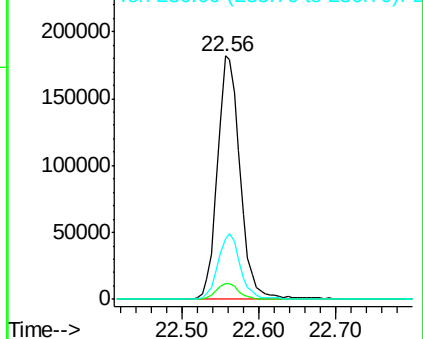
236 25.0 20.9 31.3



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: 2.386 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033368.D

Acq: 27 Mar 2018 18:58

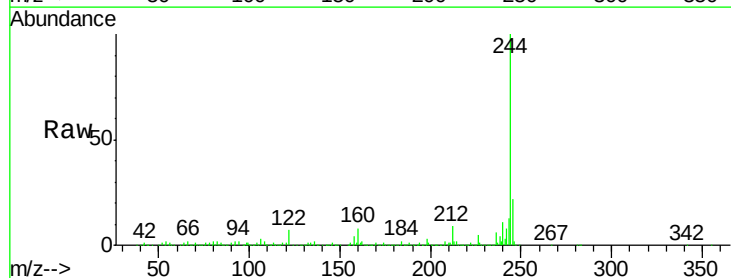
Tgt Ion:184 Resp: 23857

Ion Ratio Lower Upper

184 100

185 21.0 11.1 16.7#

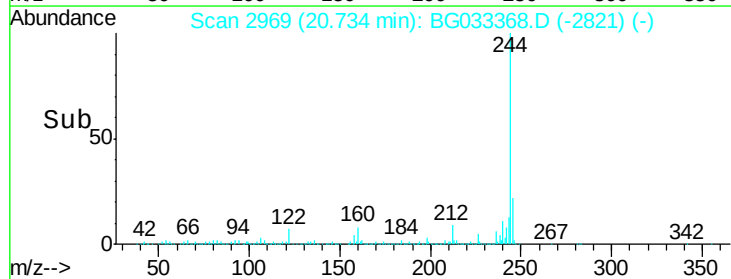
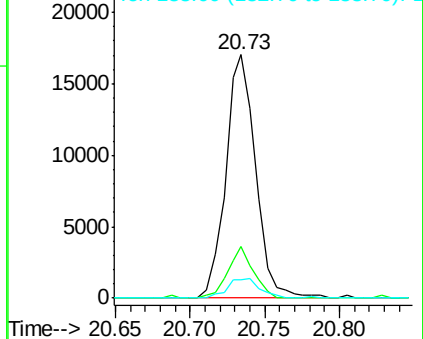
183 7.7 10.6 16.0#

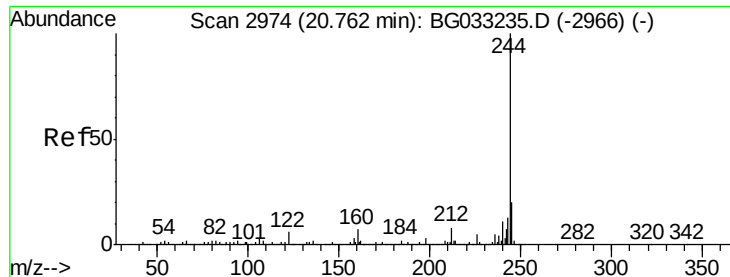


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 86.634 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.02 min

Lab File: BG033368.D

Acq: 27 Mar 2018 18:58

Instrument :

BNA_G

ClientSampleId :

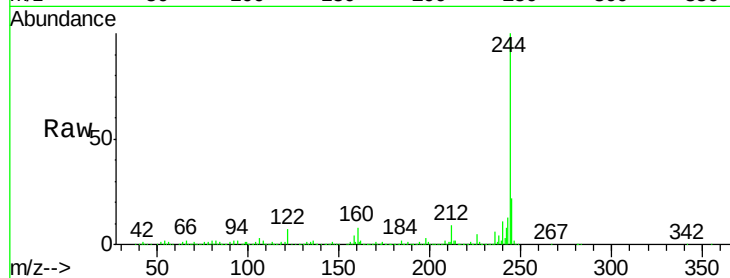
Tot Ion:244 Resp: 1493632

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

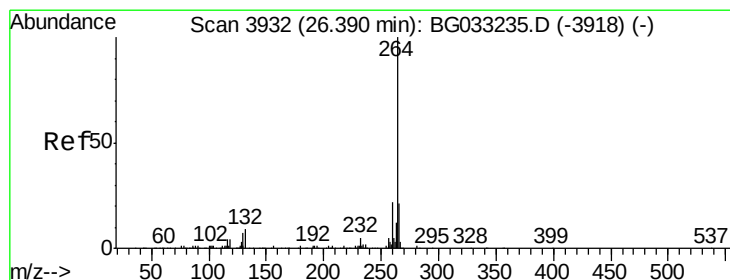
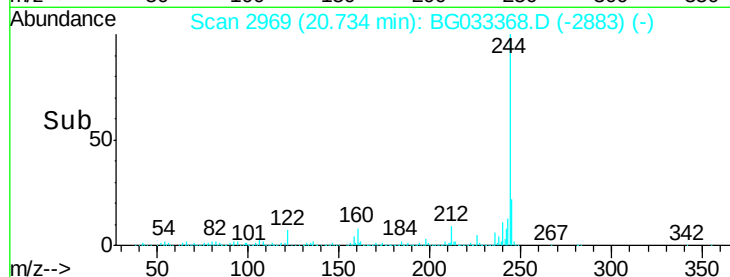
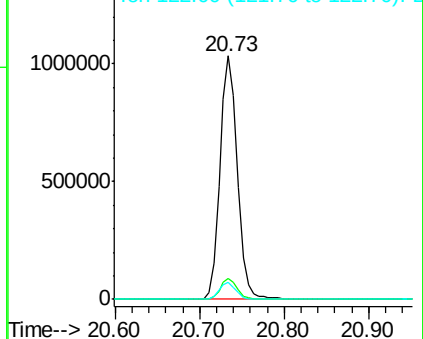
122 6.8 7.0 10.4#



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. -0.07 min

Lab File: BG033368.D

Acq: 27 Mar 2018 18:58

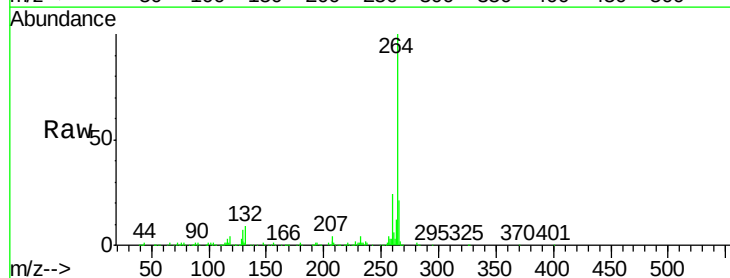
Tgt Ion:264 Resp: 387104

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 20.7 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

