

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032618\
 Data File : BG033355.D
 Acq On : 27 Mar 2018 7:09
 Operator : SJ/JU
 Sample : J1760-08
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 07:54:43 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

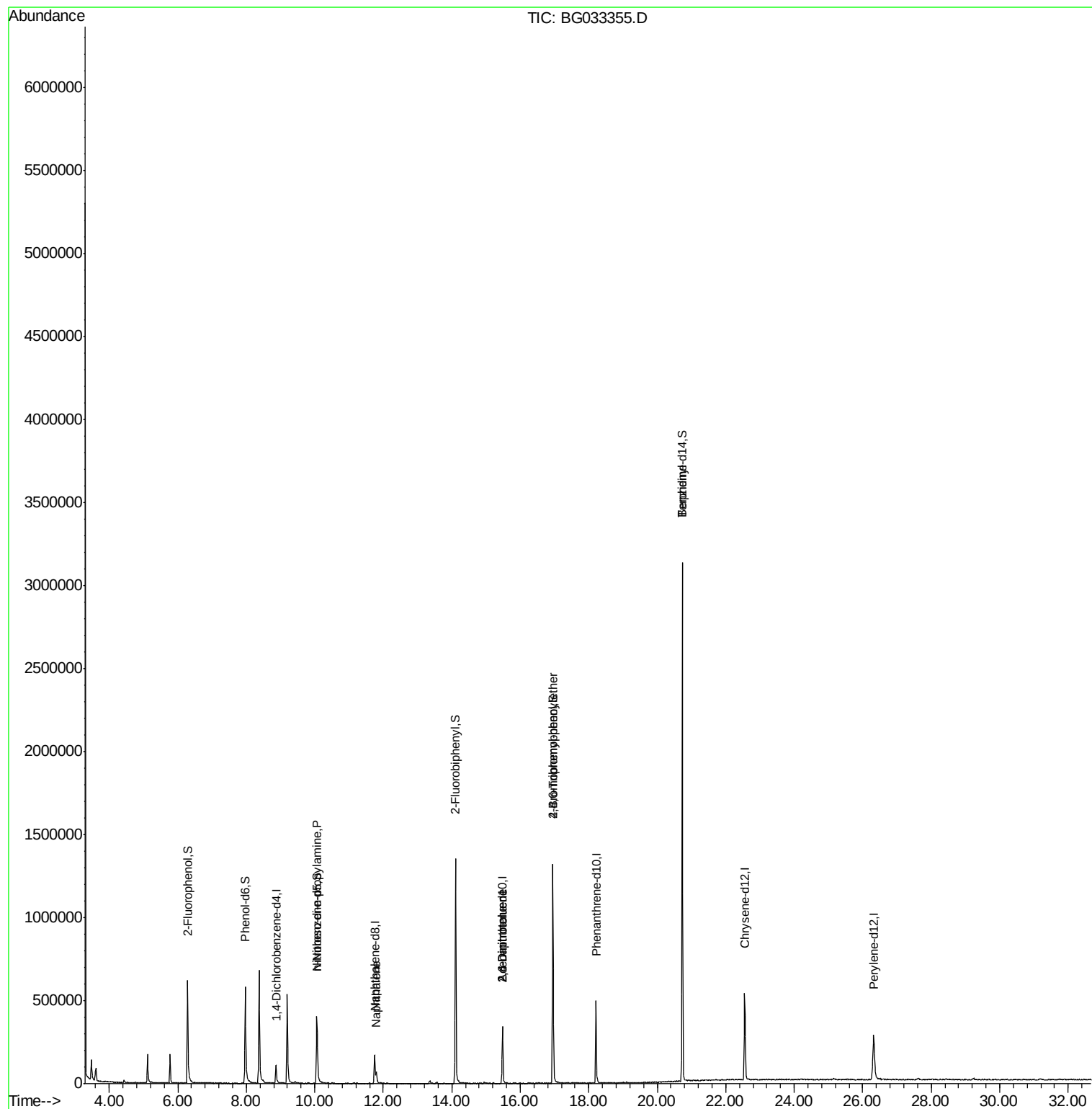
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	43995	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	170265	20.00	ng	-0.03
38) Acenaphthene-d10	15.49	164	136316	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	361405	20.00	ng	-0.03
75) Chrysene-d12	22.55	240	382080	20.00	ng	-0.04
86) Perylene-d12	26.32	264	377889	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	305749	130.31	ng	-0.03
7) Phenol-d6	7.97	99	410408	101.80	ng	-0.03
23) Nitrobenzene-d5	10.06	82	329292	88.86	ng	-0.03
41) 2,4,6-Tribromophenol	16.95	330	269566	132.22	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	797836	84.49	ng	-0.03
78) Terphenyl-d14	20.73	244	1540226	86.21	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	44107	14.931	ng	# 80
31) Naphthalene	11.80	128	60657	6.875	ng	# 92
50) 2,6-Dinitrotoluene	15.48	165	17540	7.231	ng	# 20
56) 2,4-Dinitrotoluene	15.48	165	17539	4.911	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	20732	4.885	ng	# 1
76) Benzidine	20.73	184	24350	2.350	ng	# 96

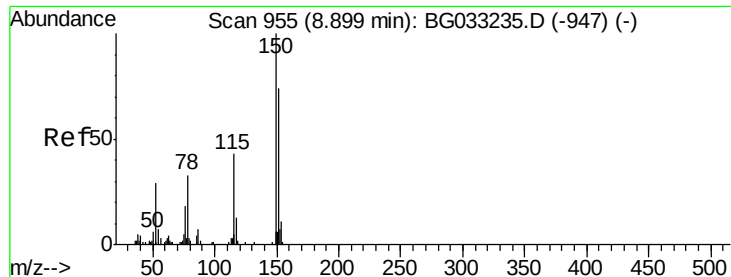
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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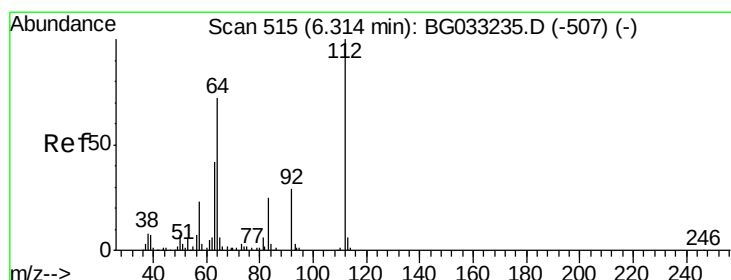
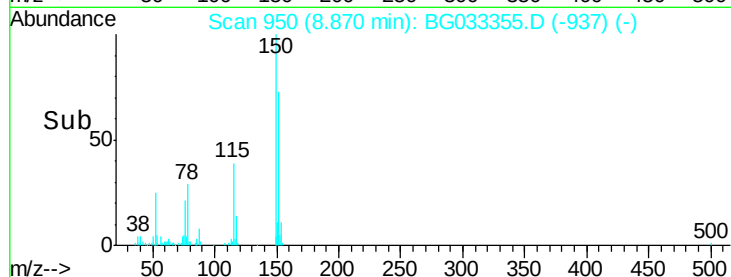
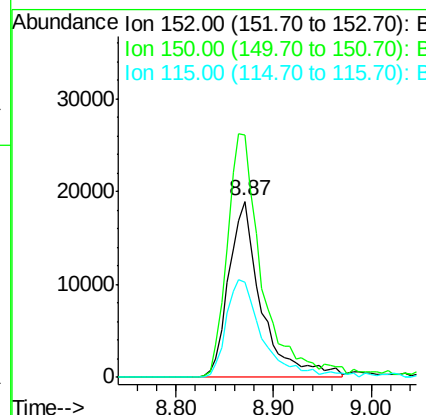
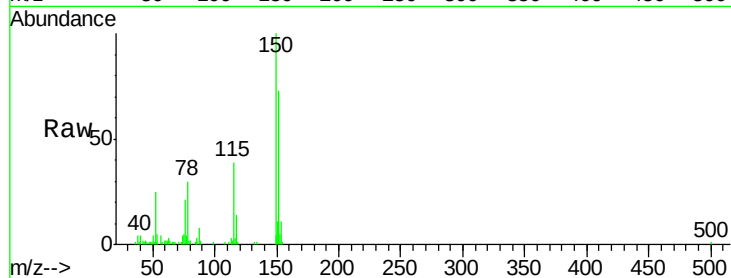


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.03 min
Lab File: BG033355.D
Acq: 27 Mar 2018 7:09

Instrument :
BNA_G
ClientSampleId :

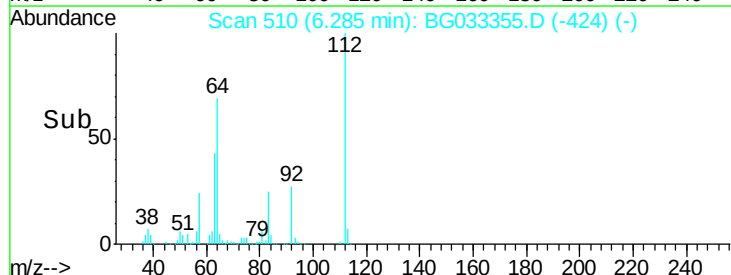
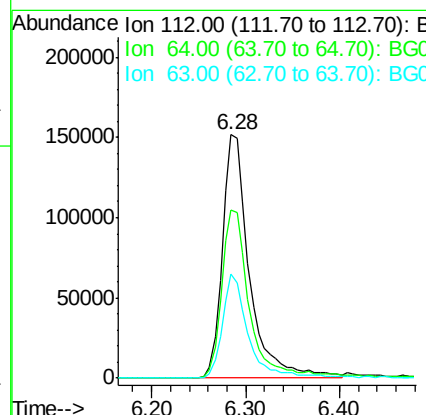
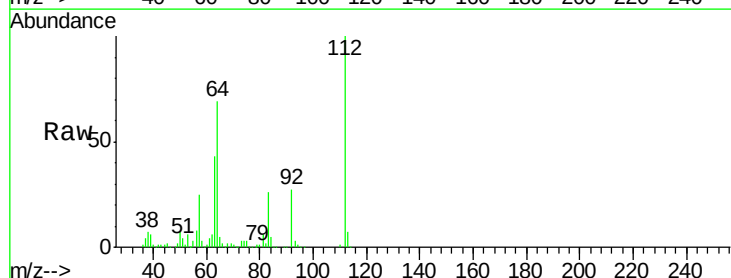
Tot Ion	Ratio	Lower	Upper
152	100		
150	137.4	126.6	189.8
115	53.7	53.0	79.4

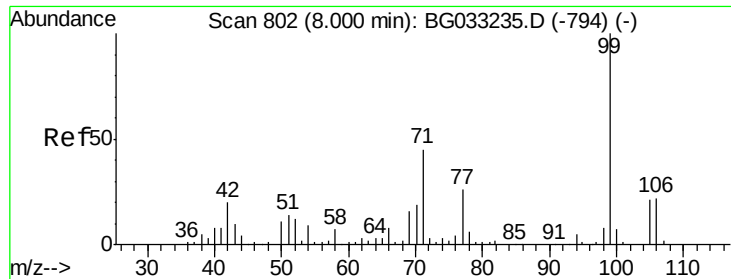


#5

2-Fluorophenol
Concen: 130.314 ng
RT: 6.28 min Scan# 510
Delta R.T. -0.03 min
Lab File: BG033355.D
Acq: 27 Mar 2018 7:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.9	56.3	84.5
63	43.0	30.1	45.1





#7

Phenol-d6

Concen: 101.804 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

Instrument :

BNA_G

ClientSampled :

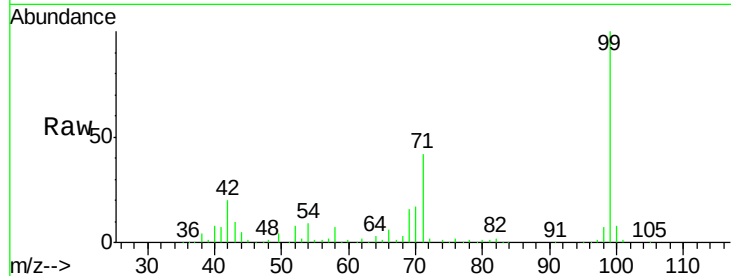
Tot Ion: 99 Resp: 410408

Ion Ratio Lower Upper

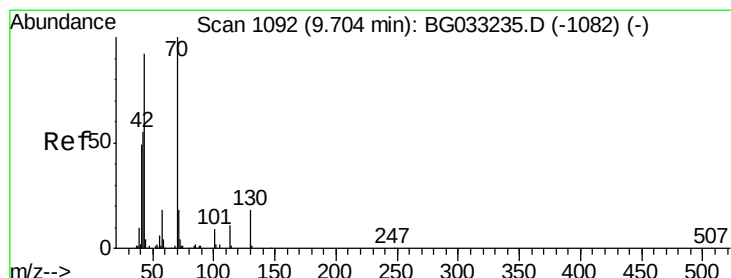
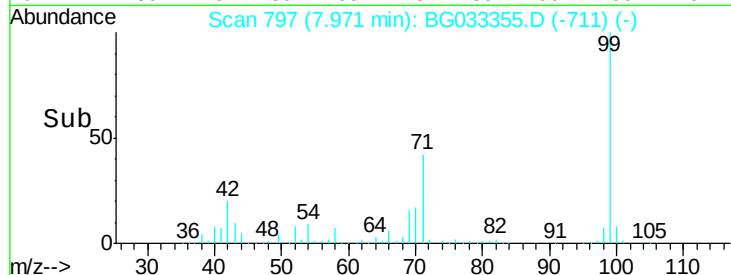
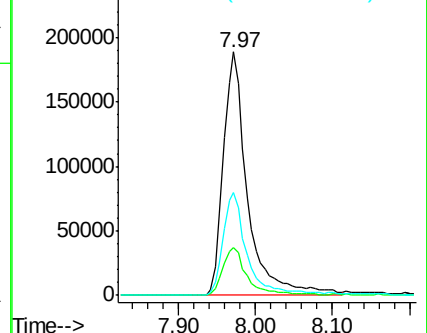
99 100

42 19.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.931 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.36 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

Tgt Ion: 70 Resp: 44107

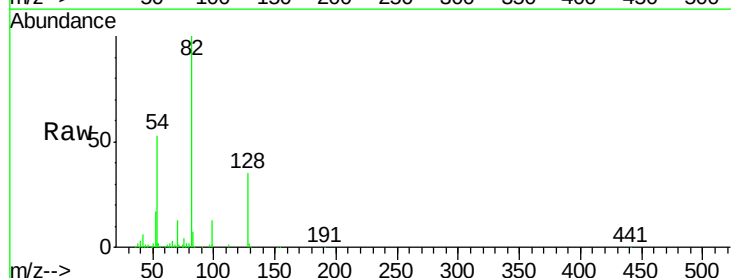
Ion Ratio Lower Upper

70 100

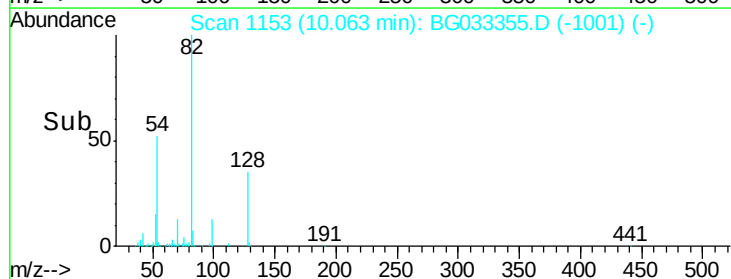
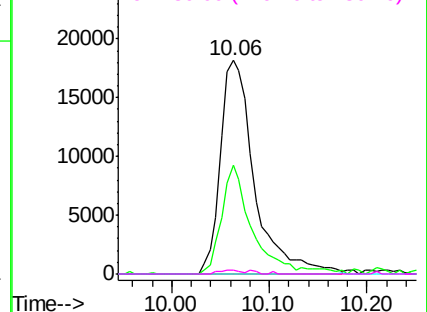
42 50.8 49.1 73.7

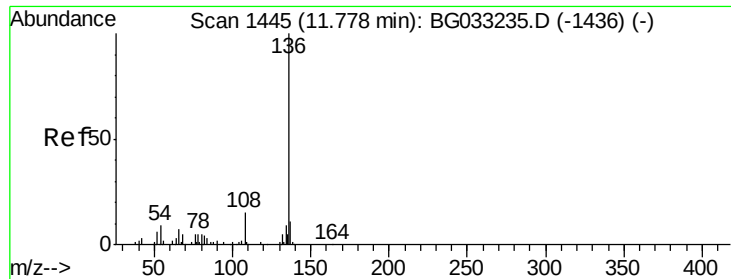
101 0.0 8.5 12.7#

130 1.7 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

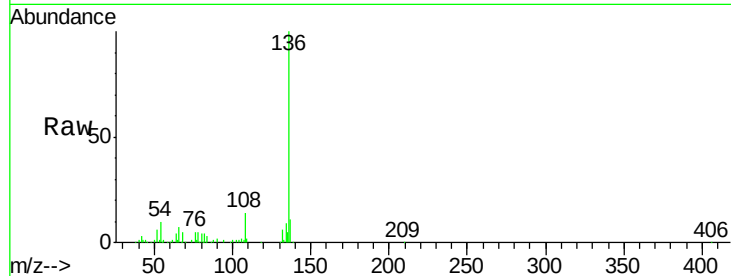




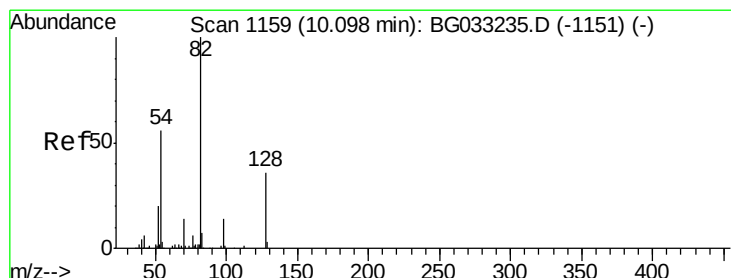
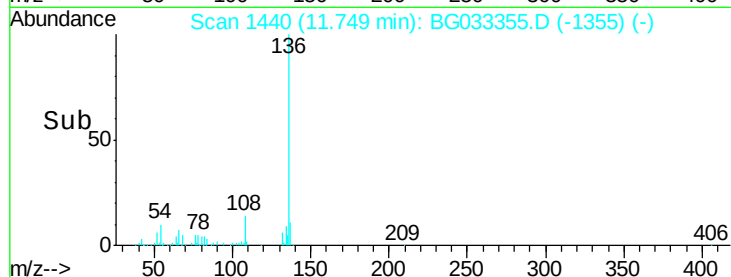
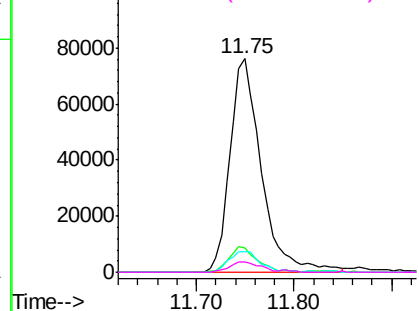
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.03 min
Lab File: BG033355.D
Acq: 27 Mar 2018 7:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	170265
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	10.3	10.3	15.5#
68	5.0	4.5	6.7

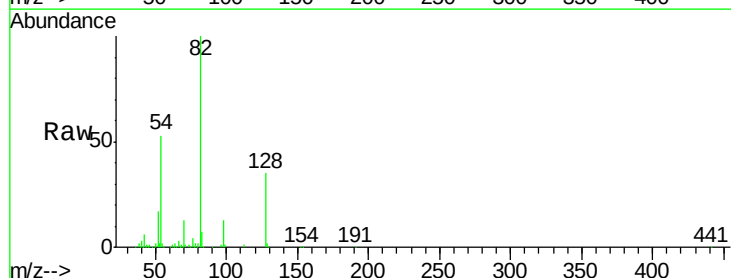


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

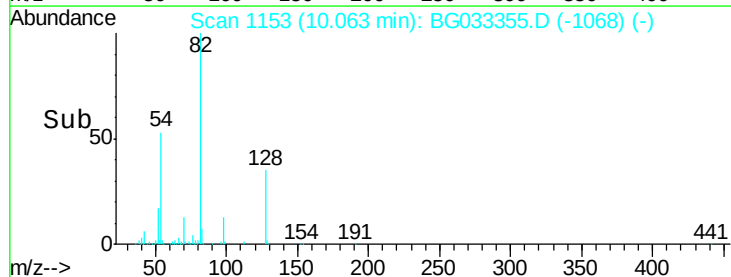
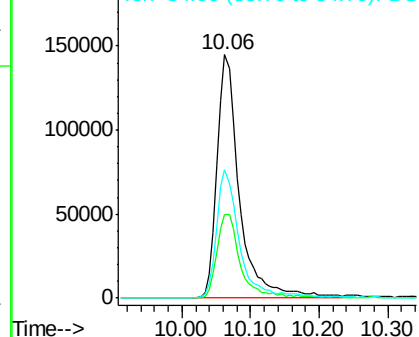


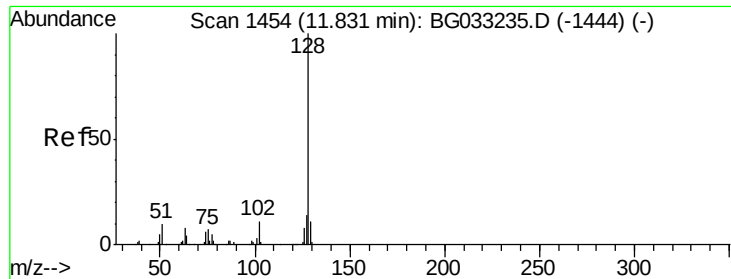
#23
Nitrobenzene-d5
Concen: 88.856 ng
RT: 10.06 min Scan# 1153
Delta R.T. -0.03 min
Lab File: BG033355.D
Acq: 27 Mar 2018 7:09

Tgt Ion:	82	Resp:	329292
Ion	Ratio	Lower	Upper
82	100		
128	34.6	29.7	44.5
54	52.8	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

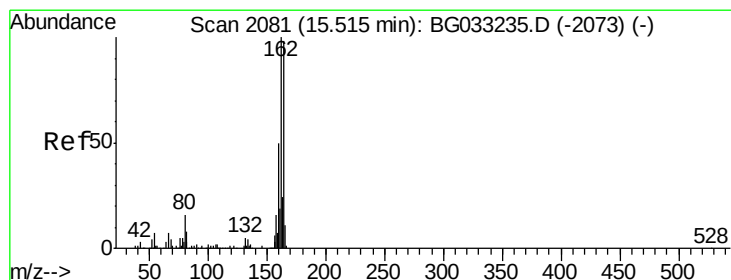
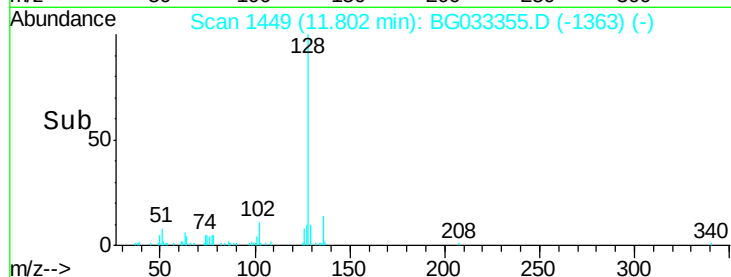
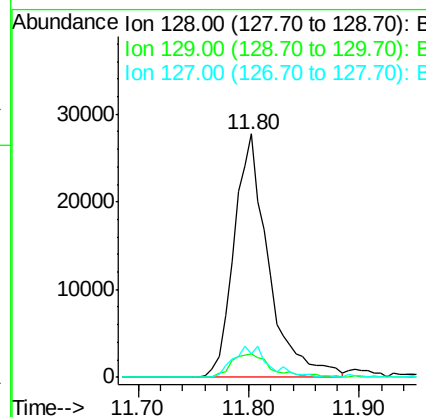
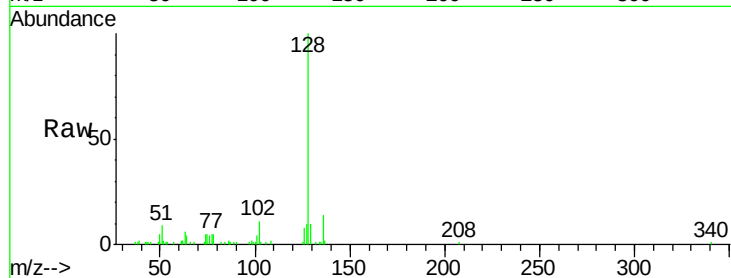




#31
Naphthalene
Concen: 6.875 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.03 min
Lab File: BG033355.D
Acq: 27 Mar 2018 7:09

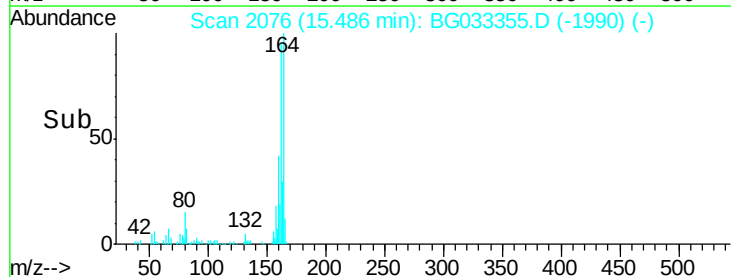
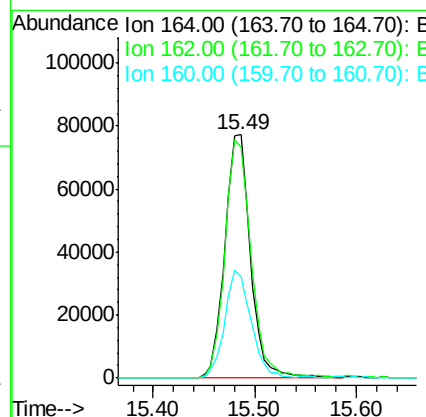
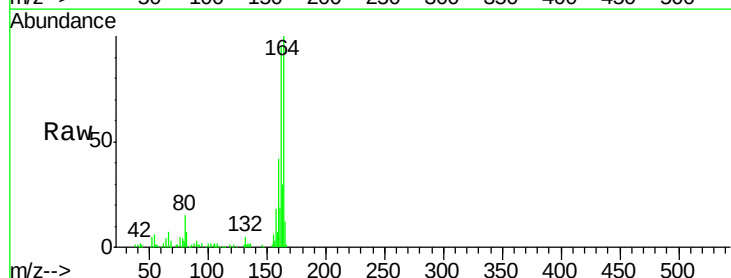
Instrument :
BNA_G
ClientSampleId :

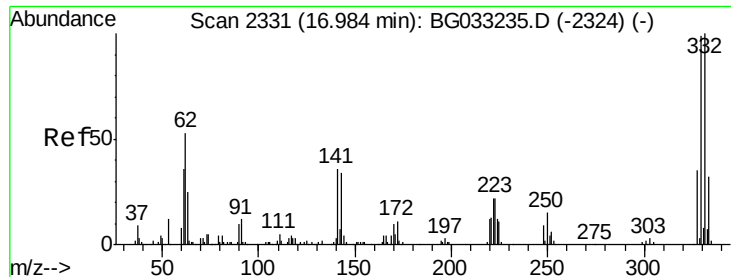
Tot Ion	Ratio	Lower	Upper
128	100		
129	9.5	8.6	12.8
127	9.7	11.6	17.4#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.49 min Scan# 2076
Delta R.T. -0.03 min
Lab File: BG033355.D
Acq: 27 Mar 2018 7:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.7	78.8	118.2
160	41.8	35.4	53.0

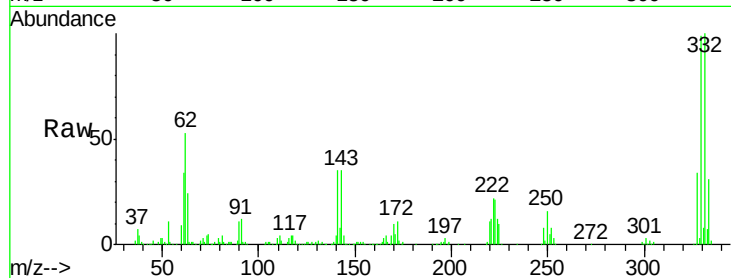




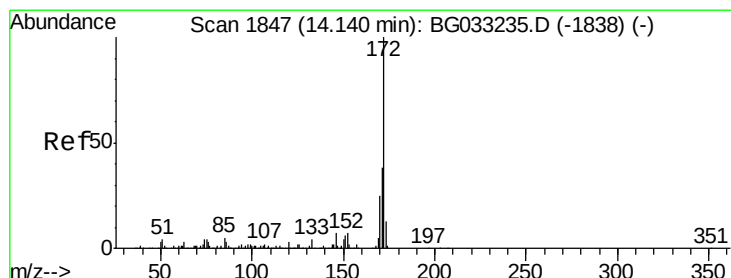
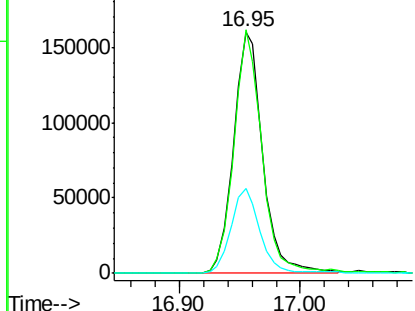
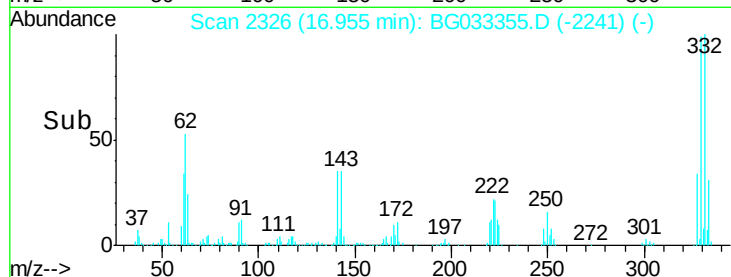
#41
 2,4,6-Tribromophenol
 Concen: 132.220 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.03 min
 Lab File: BG033355.D
 Acq: 27 Mar 2018 7:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	35.4	25.2	37.8

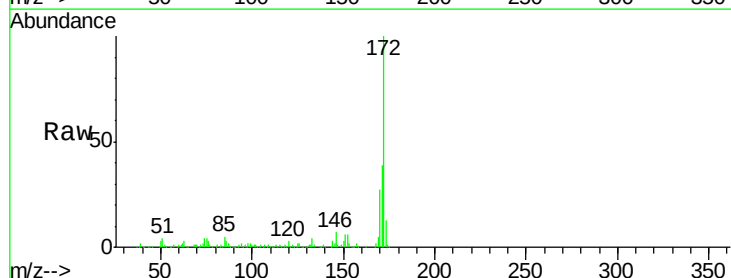


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

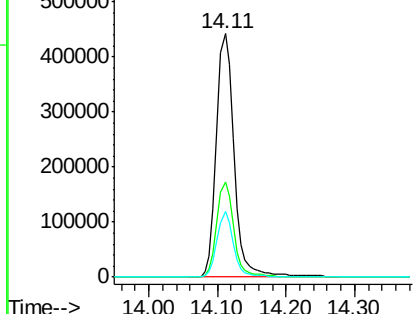
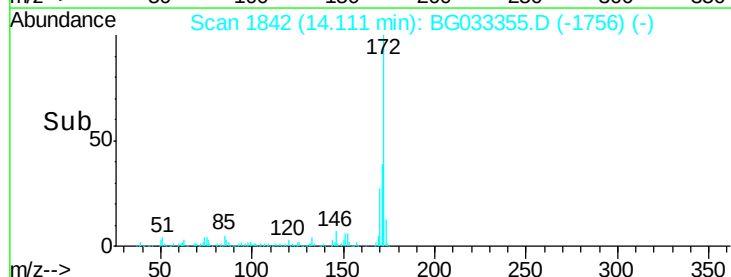


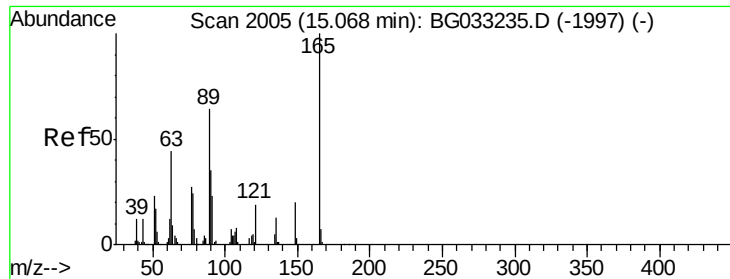
#44
 2-Fluorobiphenyl
 Concen: 84.494 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.03 min
 Lab File: BG033355.D
 Acq: 27 Mar 2018 7:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	30.0	45.0
170	26.9	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: 7.231 ng

RT: 15.48 min Scan# 2075

Delta R.T. 0.41 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

Instrument :

BNA_G

ClientSampleId :

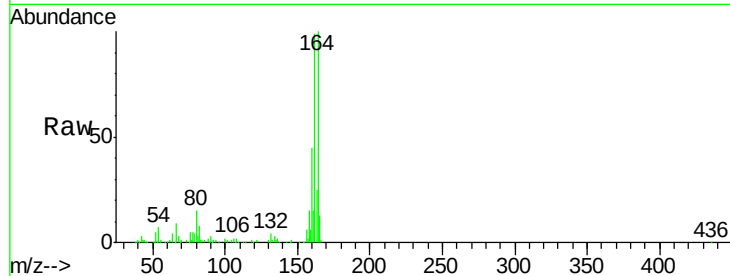
Tot Ion:165 Resp: 17540

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

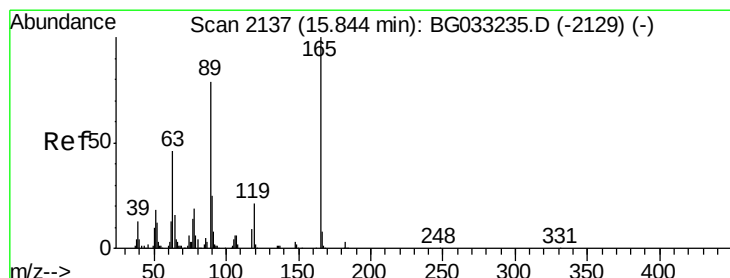
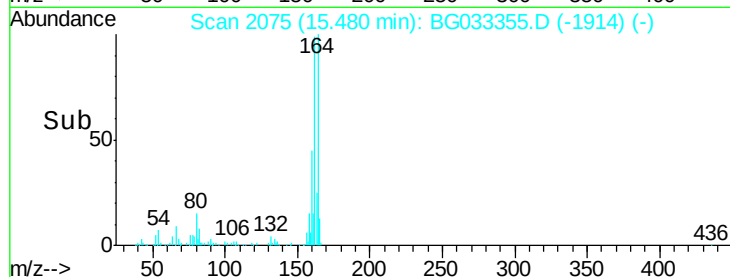
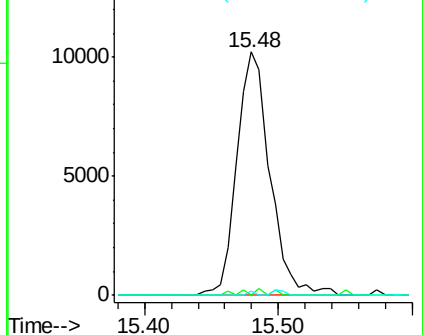
89 1.9 49.2 73.8#



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: 4.911 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.37 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

Tgt Ion:165 Resp: 17539

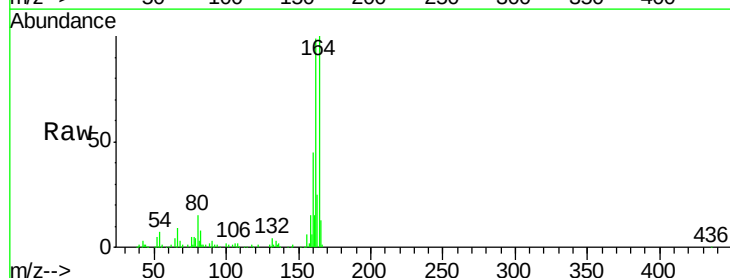
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.9 66.9 100.3#

182 0.0 2.6 3.8#

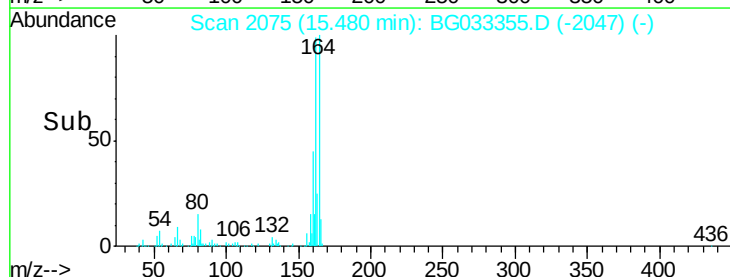
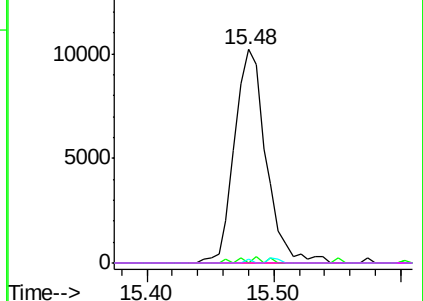


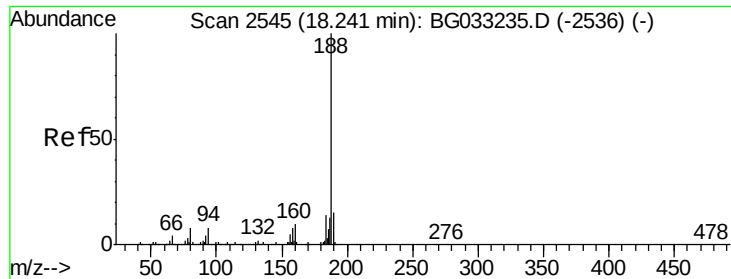
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.03 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

Instrument :

BNA_G

ClientSampled :

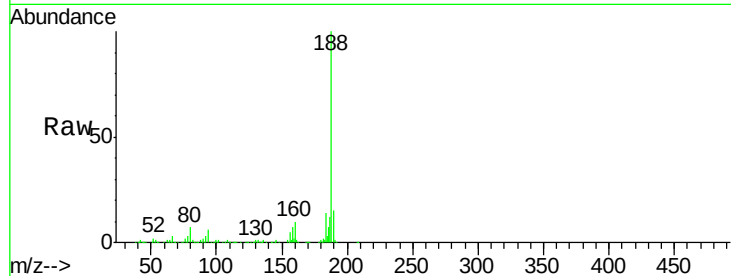
Tot Ion:188 Resp: 361405

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

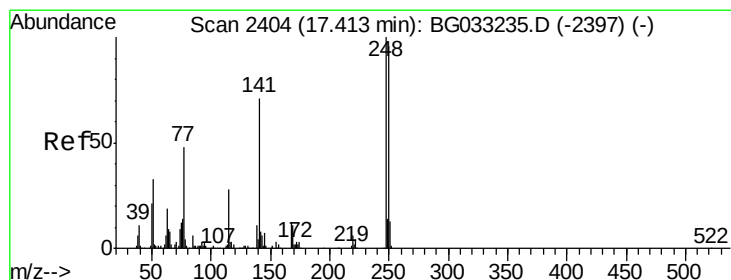
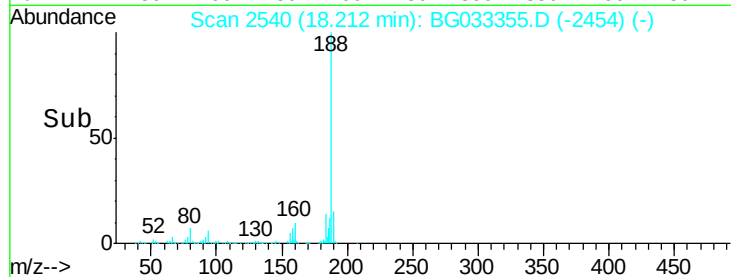
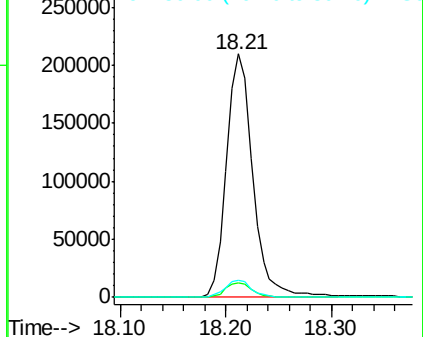
80 7.0 7.7 11.5#



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: 4.885 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.46 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

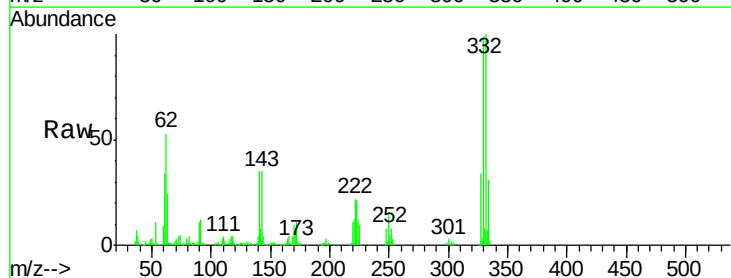
Tgt Ion:248 Resp: 20732

Ion Ratio Lower Upper

248 100

250 204.0 77.1 115.7#

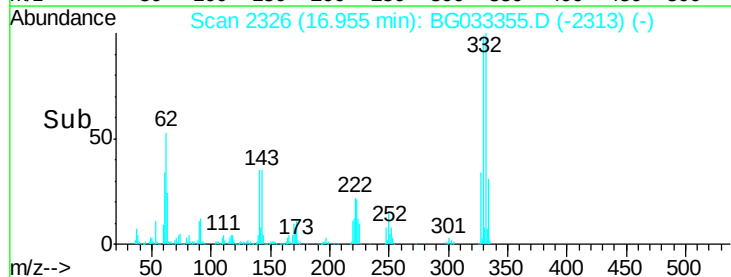
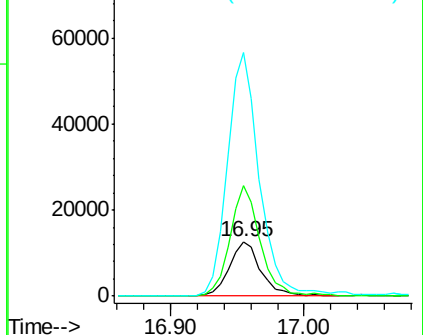
141 447.9 50.8 76.2#

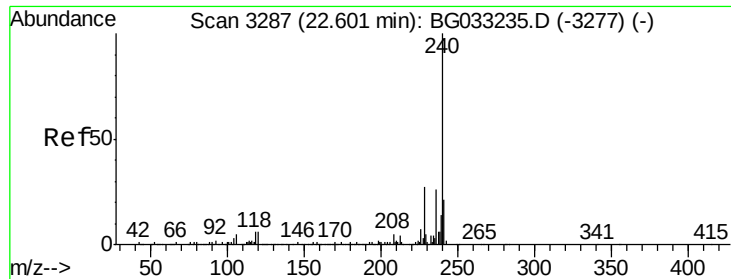


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.55 min Scan# 3279

Delta R.T. -0.04 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

Instrument :

BNA_G

ClientSampled :

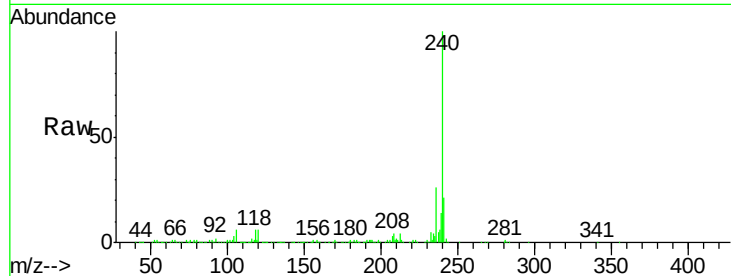
Tot Ion:240 Resp: 382080

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

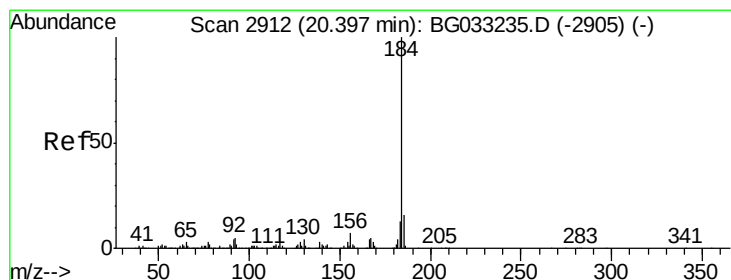
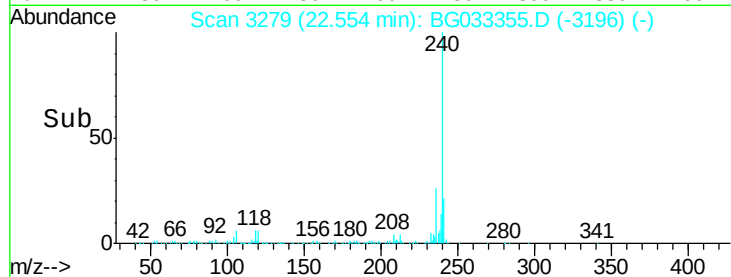
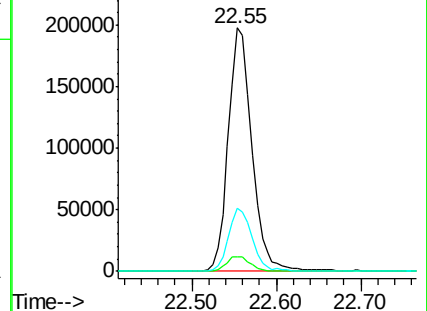
236 25.8 20.9 31.3



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: 2.350 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

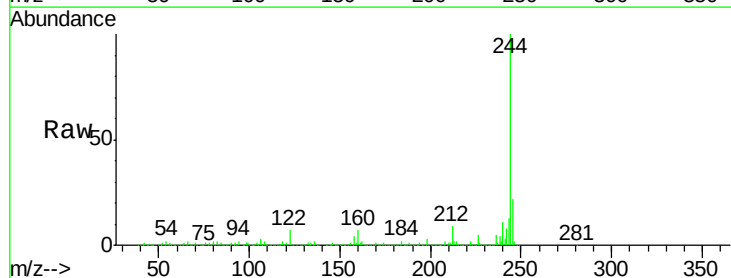
Tgt Ion:184 Resp: 24350

Ion Ratio Lower Upper

184 100

185 14.4 11.1 16.7

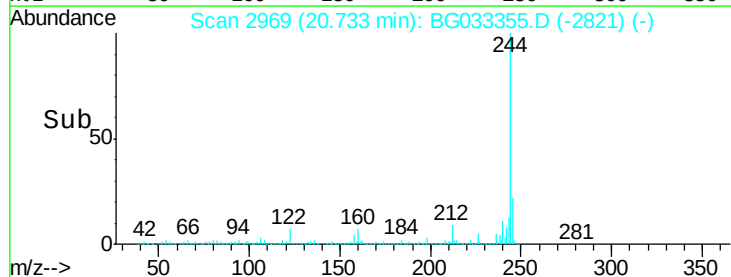
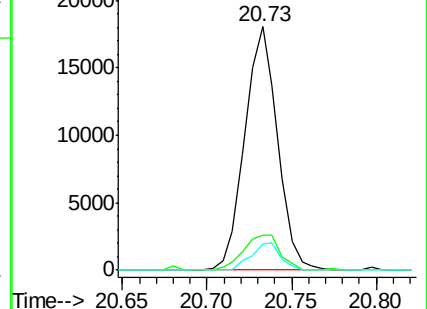
183 10.6 10.6 16.0#

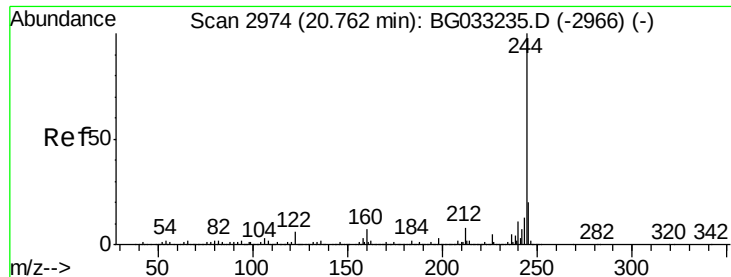


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 86.211 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033355.D

Acq: 27 Mar 2018 7:09

Instrument :

BNA_G

ClientSampleId :

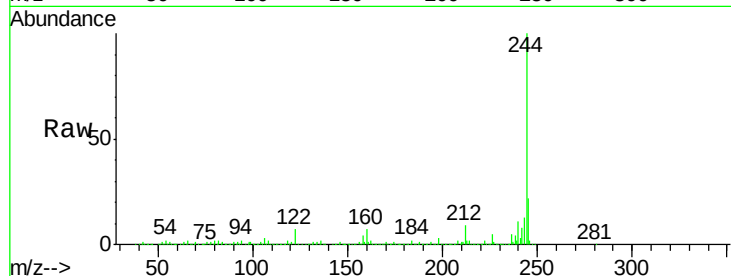
Tot Ion:244 Resp: 1540226

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

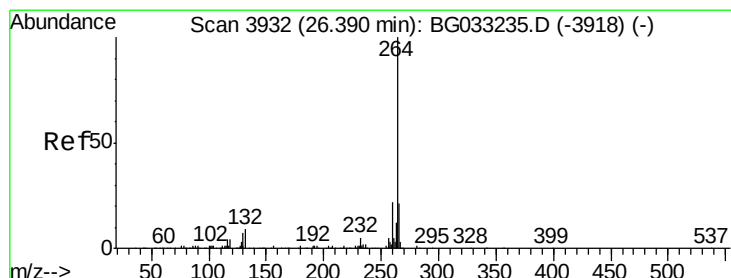
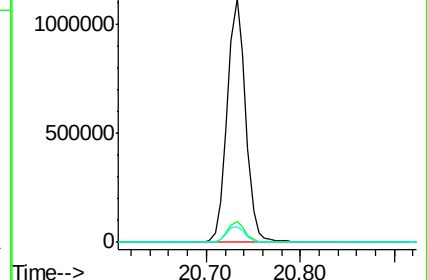
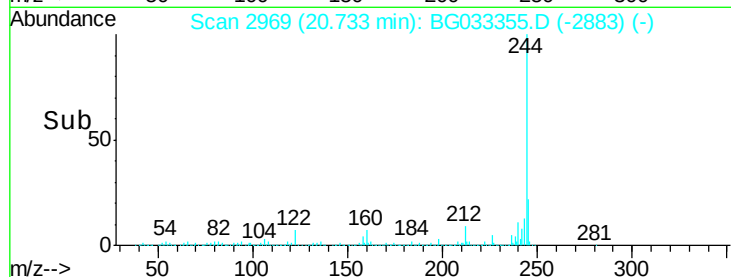
122 6.6 7.0 10.4#



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: BG033355.D

Acq: 27 Mar 2018 7:09

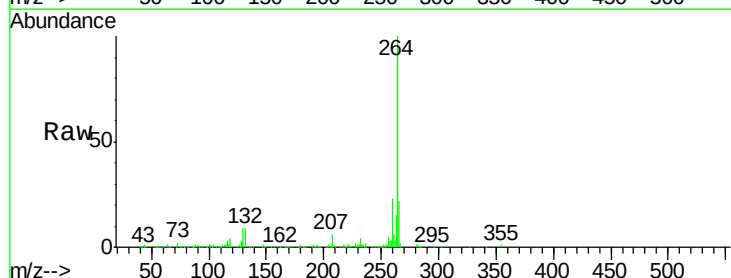
Tgt Ion:264 Resp: 377889

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 22.3 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

