

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040318\
 Data File : BG033545.D
 Acq On : 4 Apr 2018 5:06
 Operator : SJ/JU
 Sample : J2177-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 04 05:56:14 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 14:50:26 2018
 Response via : Initial Calibration

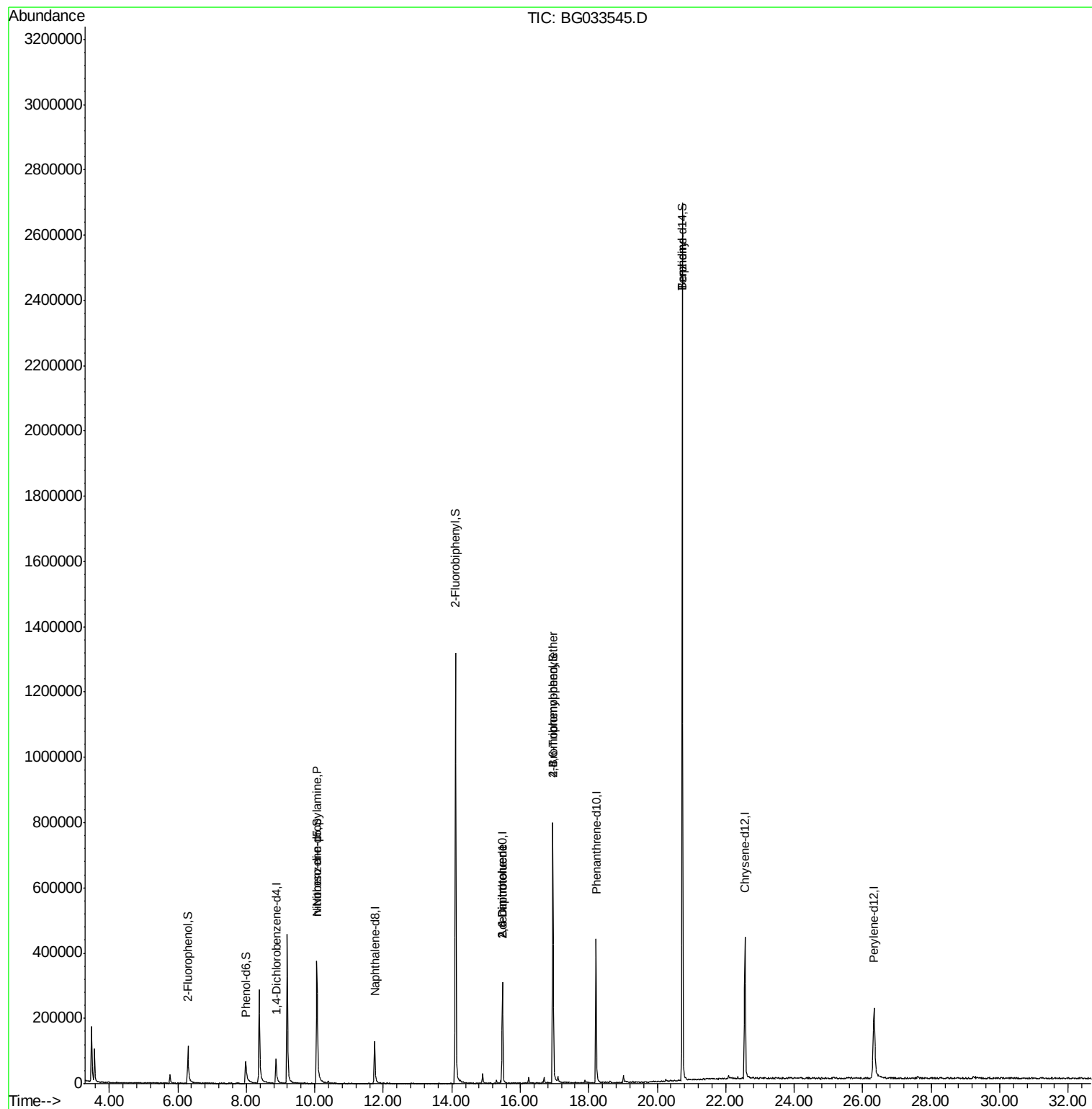
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	31221	20.00	ng	0.00
21) Naphthalene-d8	11.75	136	138188	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	121635	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	326575	20.00	ng	0.00
75) Chrysene-d12	22.56	240	329012	20.00	ng	0.00
86) Perylene-d12	26.33	264	324815	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	67950	40.81	ng	0.00
7) Phenol-d6	7.99	99	70777	24.74	ng	0.00
23) Nitrobenzene-d5	10.06	82	295496	98.25	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	157668	86.67	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	765917	90.90	ng	0.00
78) Terphenyl-d14	20.73	244	1362301	88.55	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	39468	18.827	ng	# 76
50) 2,6-Dinitrotoluene	15.48	165	15359	7.096	ng	# 18
56) 2,4-Dinitrotoluene	15.48	165	15359	4.819	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	12449	3.246	ng	# 1
76) Benzidine	20.73	184	23020	2.580	ng	# 92

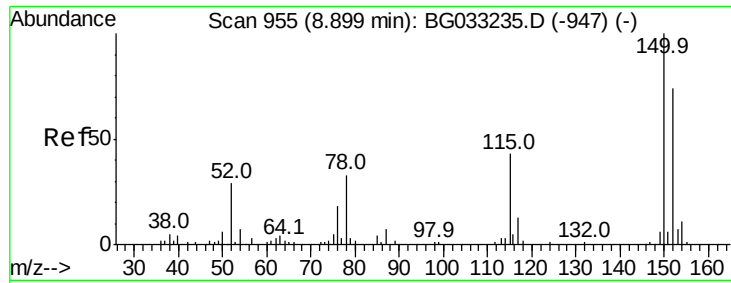
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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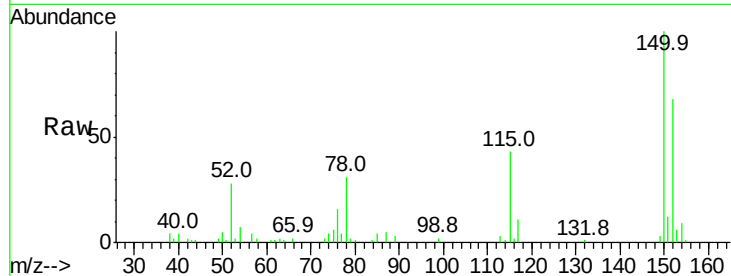


#1

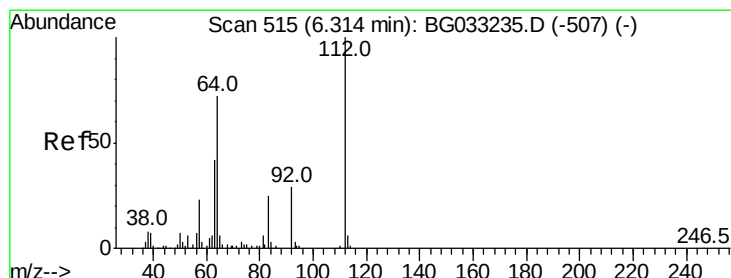
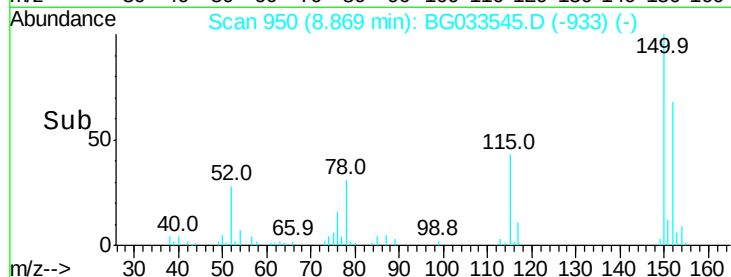
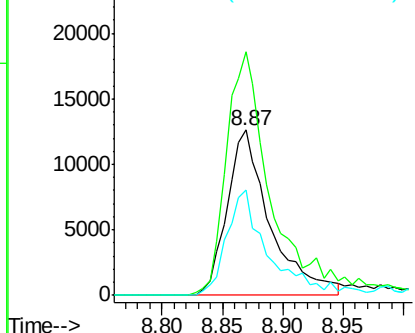
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.00 min
Lab File: BG033545.D
Acq: 4 Apr 2018 5:06

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 31221
Ion Ratio Lower Upper
152 100
150 147.3 126.6 189.8
115 63.4 53.0 79.4



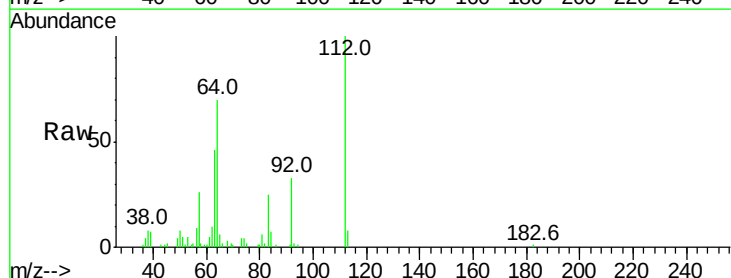
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



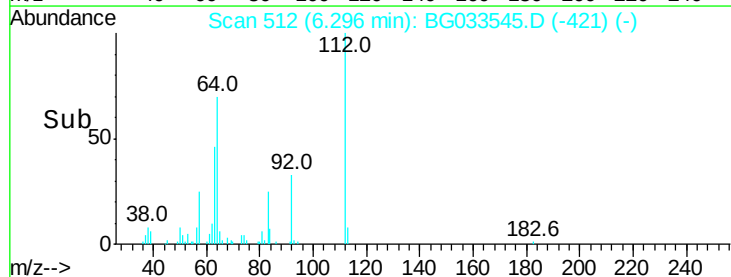
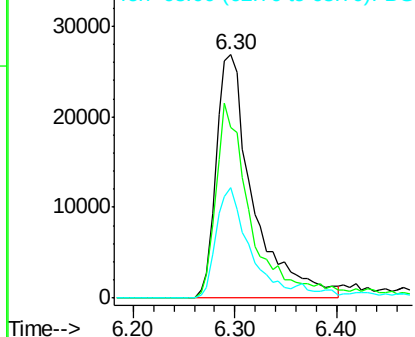
#5

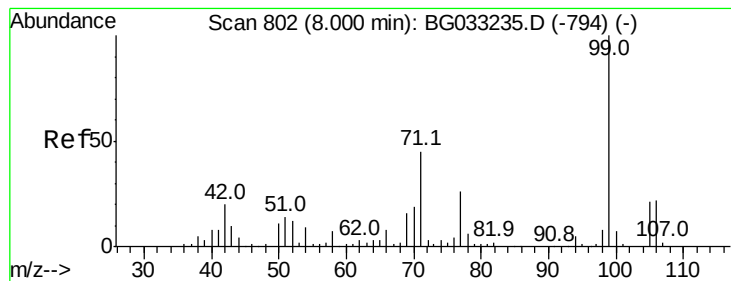
2-Fluorophenol
Concen: 40.810 ng
RT: 6.30 min Scan# 512
Delta R.T. 0.01 min
Lab File: BG033545.D
Acq: 4 Apr 2018 5:06

Tgt Ion:112 Resp: 67950
Ion Ratio Lower Upper
112 100
64 70.1 56.3 84.5
63 45.5 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: 24.740 ng

RT: 7.99 min Scan# 800

Delta R.T. 0.01 min

Lab File: BG033545.D

Acq: 4 Apr 2018 5:06

Instrument :

BNA_G

ClientSampled :

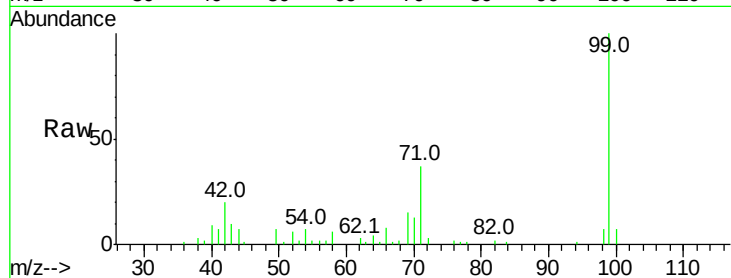
Tot Ion: 99 Resp: 70777

Ion Ratio Lower Upper

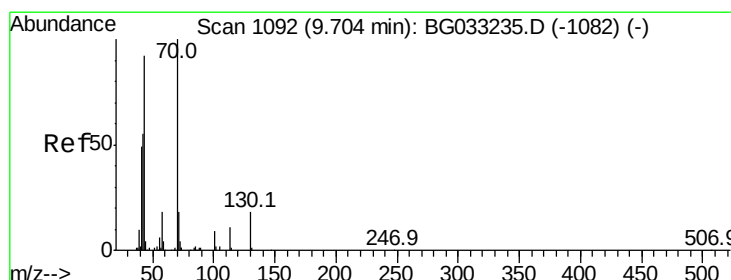
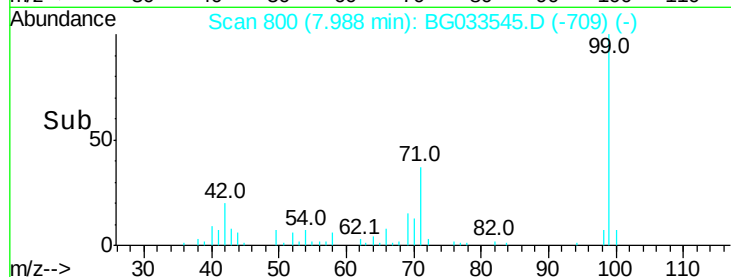
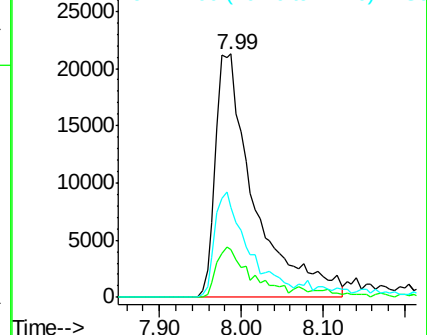
99 100

42 19.9 14.1 21.1

71 37.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 18.827 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.39 min

Lab File: BG033545.D

Acq: 4 Apr 2018 5:06

Tgt Ion: 70 Resp: 39468

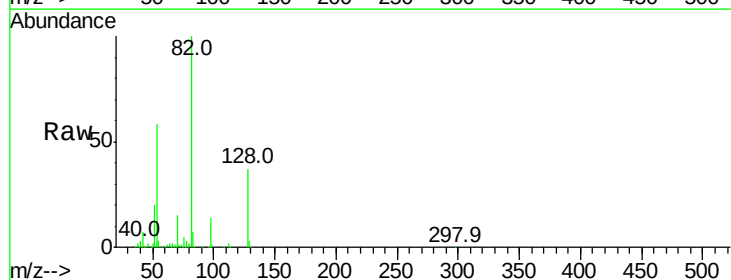
Ion Ratio Lower Upper

70 100

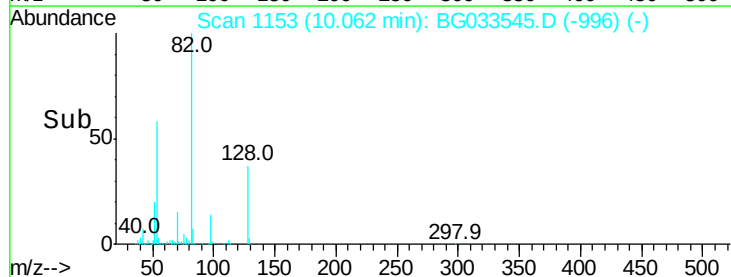
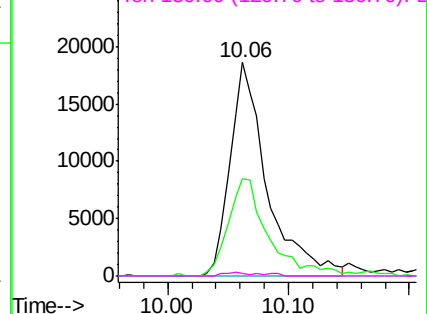
42 45.7 49.1 73.7#

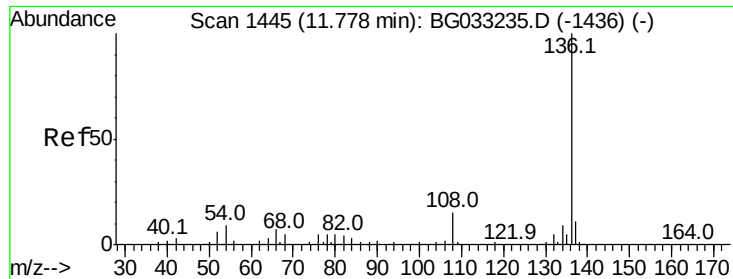
101 0.0 8.5 12.7#

130 1.5 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

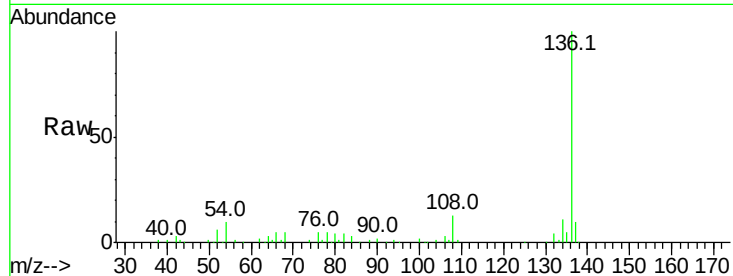




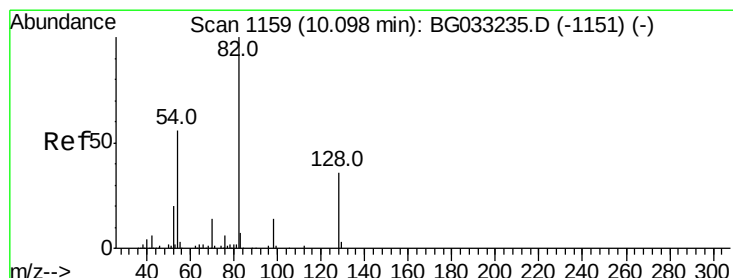
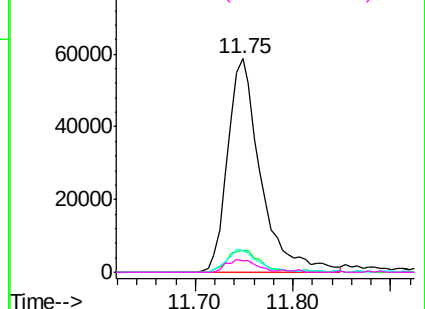
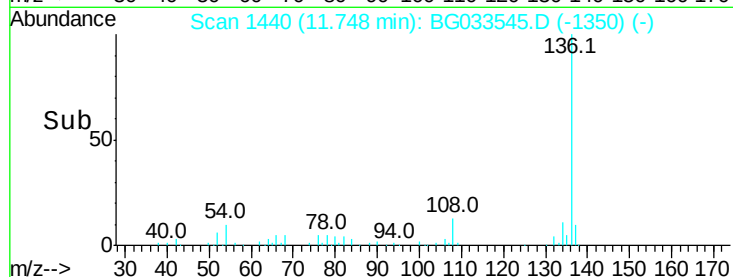
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BG033545.D
Acq: 4 Apr 2018 5:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	138188
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	10.4	10.3	15.5
68	5.3	4.5	6.7

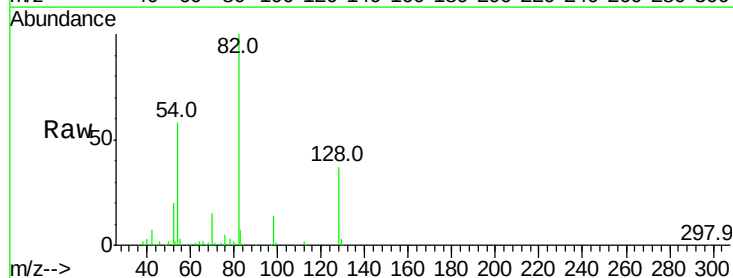


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

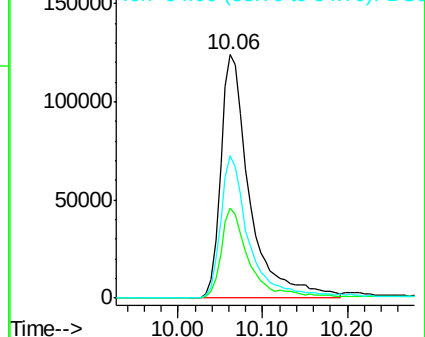
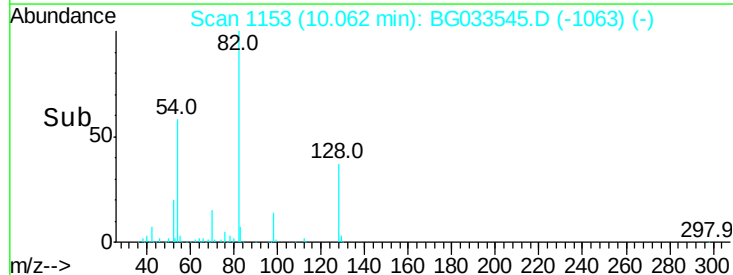


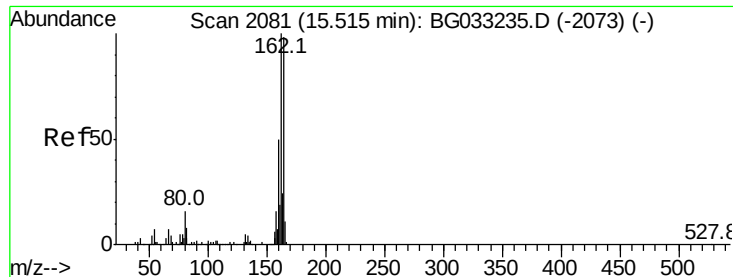
#23
Nitrobenzene-d5
Concen: 98.245 ng
RT: 10.06 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BG033545.D
Acq: 4 Apr 2018 5:06

Tgt Ion:	82	Resp:	295496
Ion	Ratio	Lower	Upper
82	100		
128	37.1	29.7	44.5
54	58.4	43.1	64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BG033545.D

Acq: 4 Apr 2018 5:06

Instrument :

BNA_G

ClientSampleId :

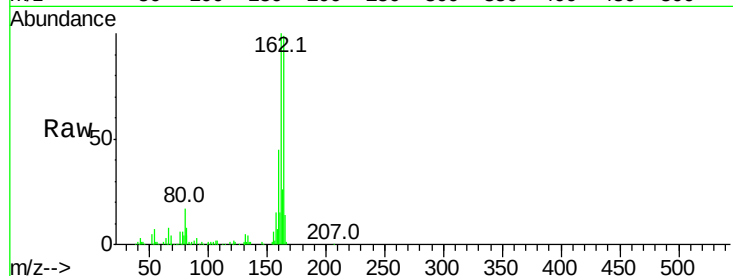
Tot Ion:164 Resp: 121635

Ion Ratio Lower Upper

164 100

162 100.9 78.8 118.2

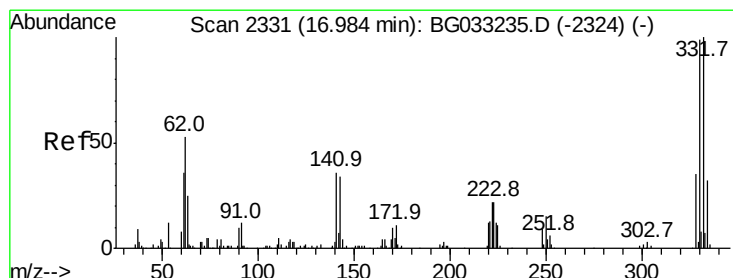
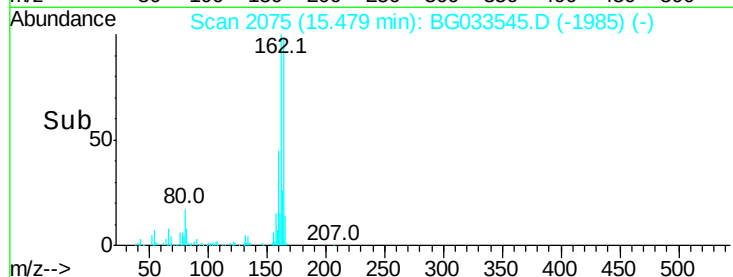
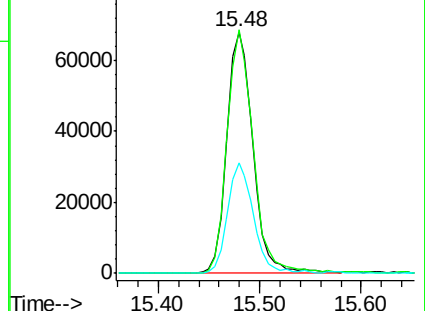
160 45.7 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 86.669 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.00 min

Lab File: BG033545.D

Acq: 4 Apr 2018 5:06

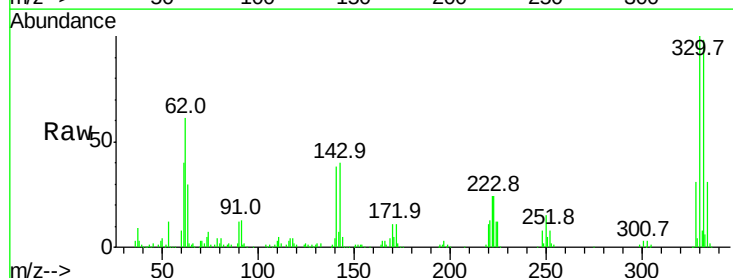
Tgt Ion:330 Resp: 157668

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

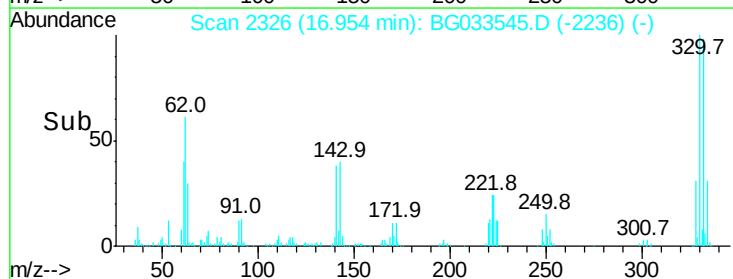
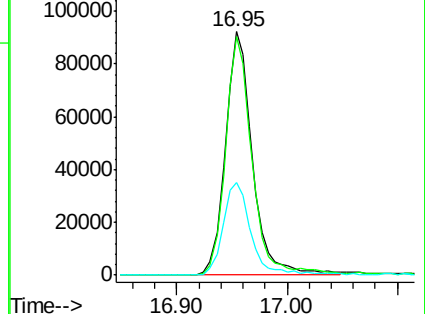
141 39.4 25.2 37.8#

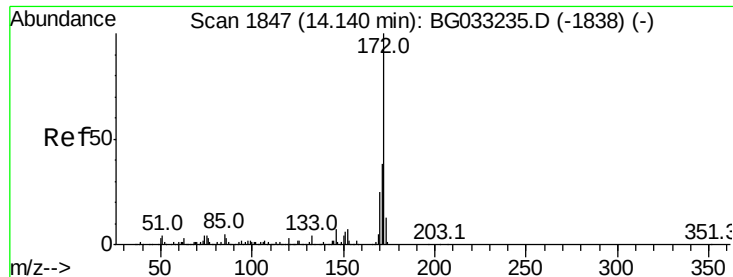


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 90.903 ng

RT: 14.11 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BG033545.D

Acq: 4 Apr 2018 5:06

Instrument :

BNA_G

ClientSampled :

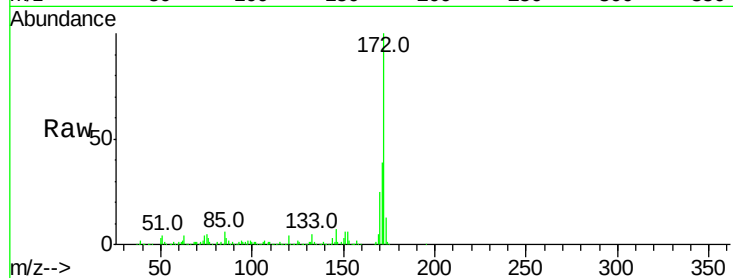
Tot Ion:172 Resp: 765917

Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.0	45.0
170	25.0	19.5	29.3

172 100

171 38.8 30.0 45.0

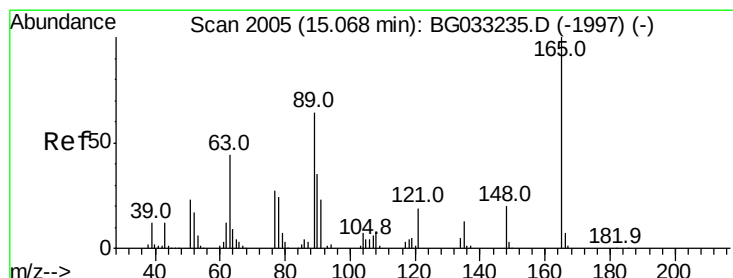
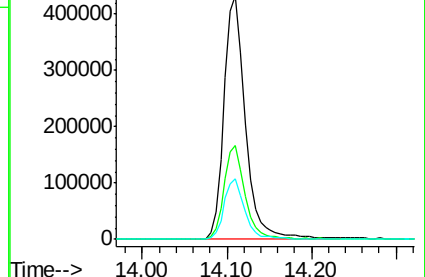
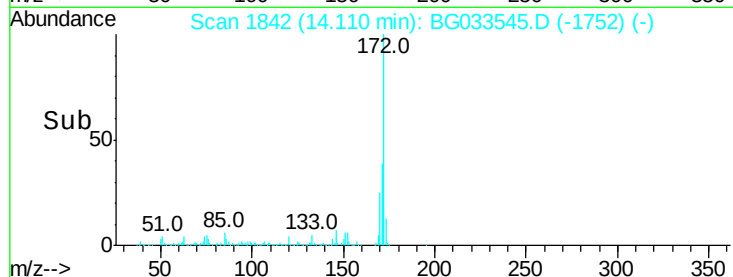
170 25.0 19.5 29.3



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: 7.096 ng

RT: 15.48 min Scan# 2075

Delta R.T. 0.44 min

Lab File: BG033545.D

Acq: 4 Apr 2018 5:06

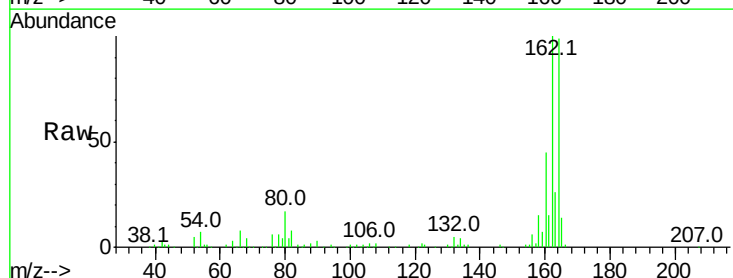
Tgt Ion:165 Resp: 15359

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

165 100

63 0.0 52.7 79.1#

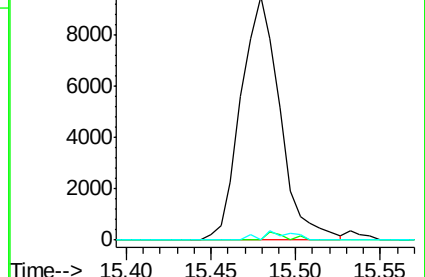
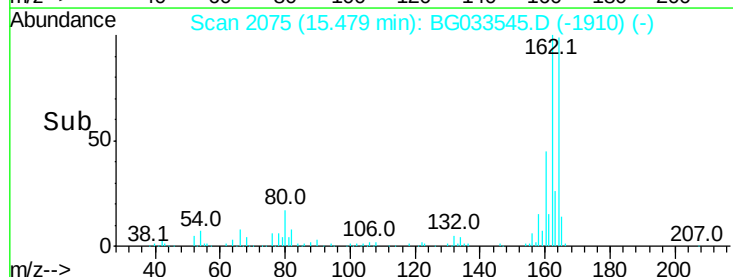
89 0.0 49.2 73.8#

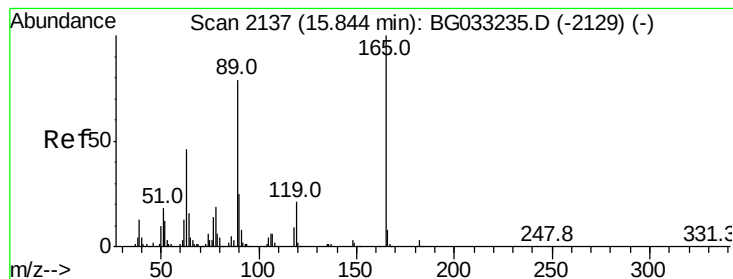


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#56

2,4-Dinitrotoluene

Concen: 4.819 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.34 min

Lab File: BG033545.D

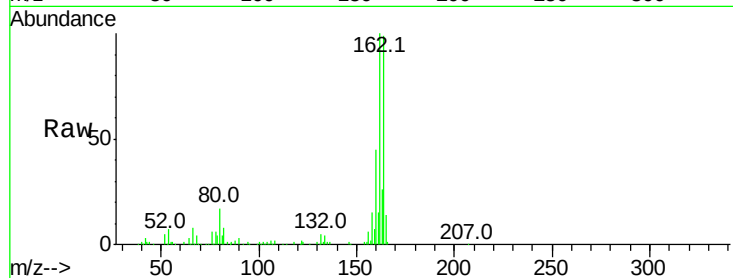
Acq: 4 Apr 2018 5:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	165	Resp:	15359
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#

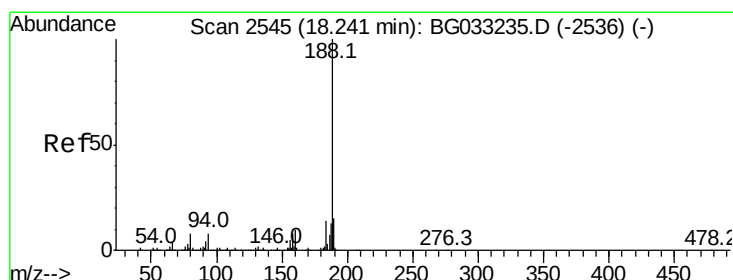
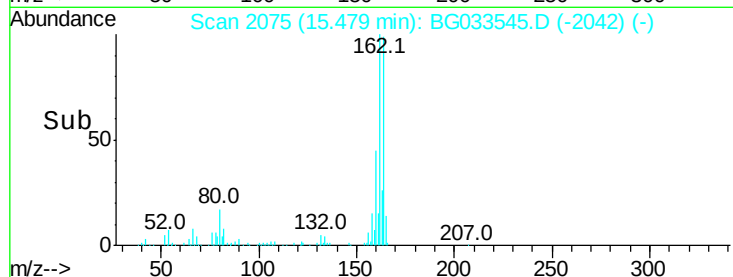
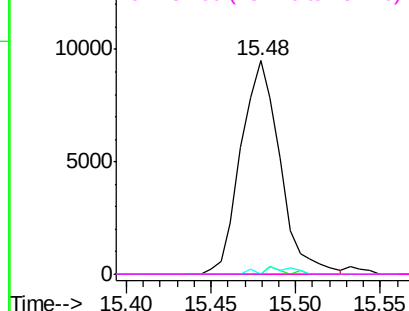


Abundance Ion 165.00 (164.70 to 165.70): E

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

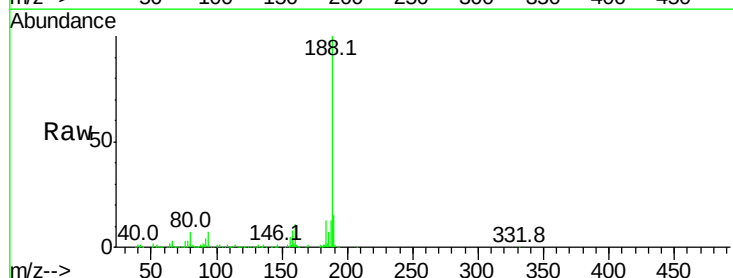
RT: 18.21 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BG033545.D

Acq: 4 Apr 2018 5:06

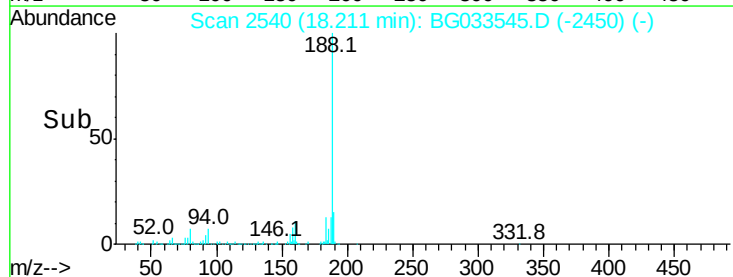
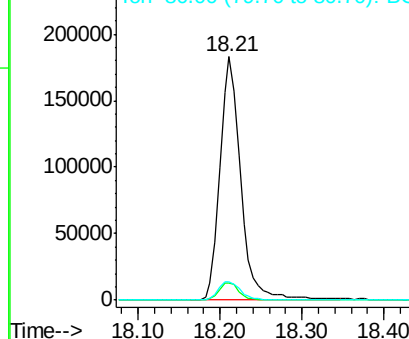
Tgt Ion:	188	Resp:	326575
Ion	Ratio	Lower	Upper
188	100		
94	6.9	6.9	10.3
80	7.3	7.7	11.5#

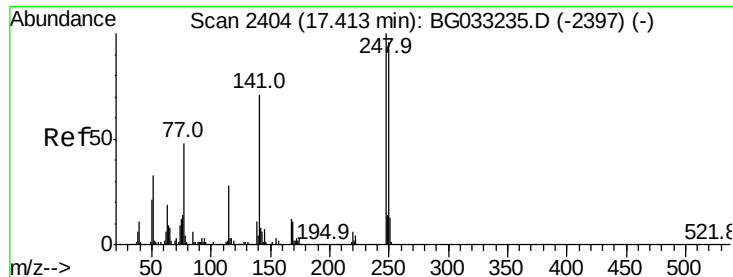


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

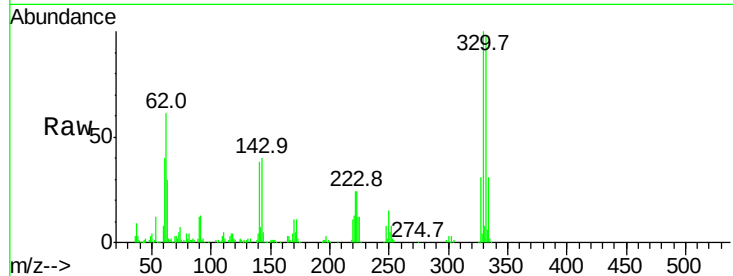




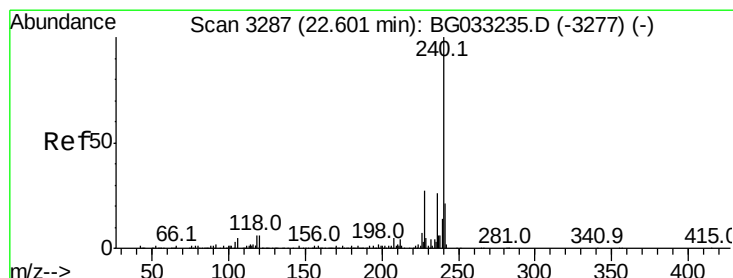
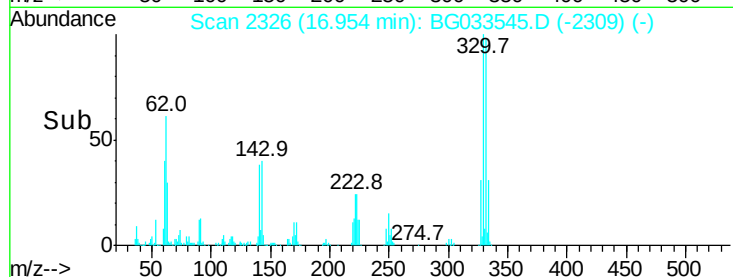
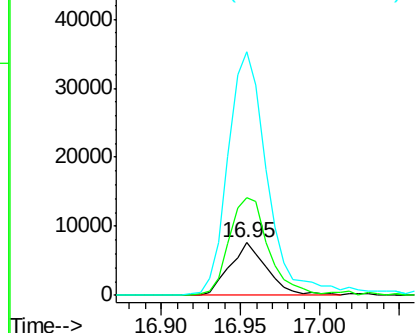
#66
 4-Bromophenyl-phenylether
 Concen: 3.246 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.43 min
 Lab File: BG033545.D
 Acq: 4 Apr 2018 5:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12449
 Ion Ratio Lower Upper
 248 100
 250 186.6 77.1 115.7#
 141 465.7 50.8 76.2#

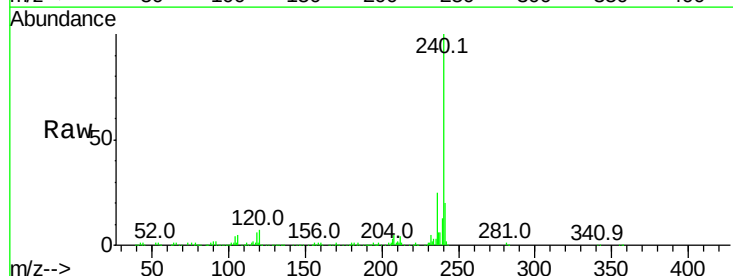


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

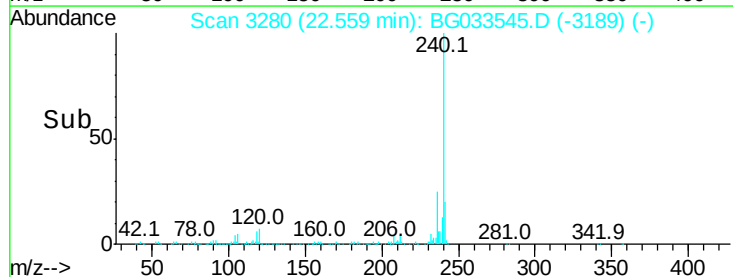
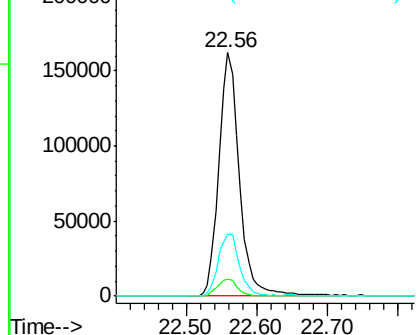


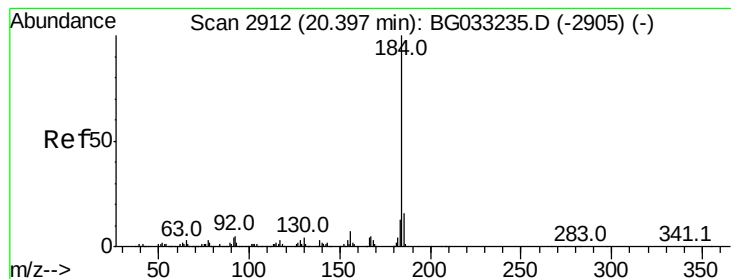
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.56 min Scan# 3280
 Delta R.T. 0.01 min
 Lab File: BG033545.D
 Acq: 4 Apr 2018 5:06

Tgt Ion:240 Resp: 329012
 Ion Ratio Lower Upper
 240 100
 120 7.2 6.8 10.2
 236 25.3 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: 2.580 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033545.D

Acq: 4 Apr 2018 5:06

Instrument :

BNA_G

ClientSampleId :

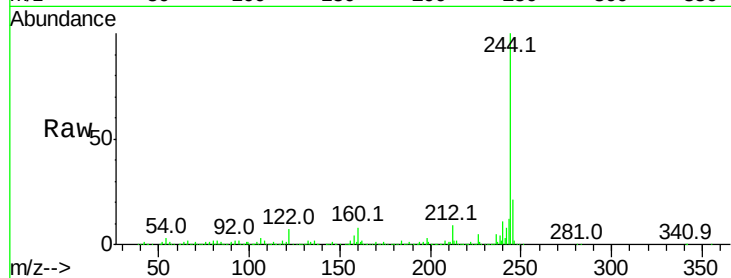
Tot Ion:184 Resp: 23020

Ion Ratio Lower Upper

184 100

185 14.5 11.1 16.7

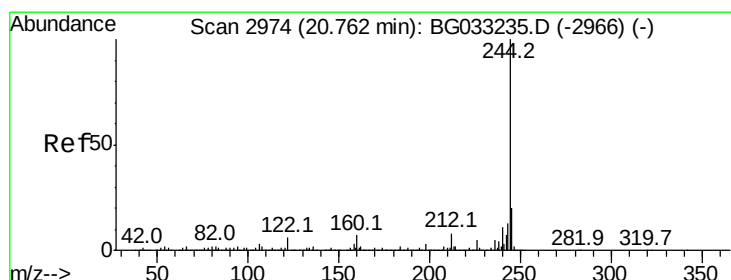
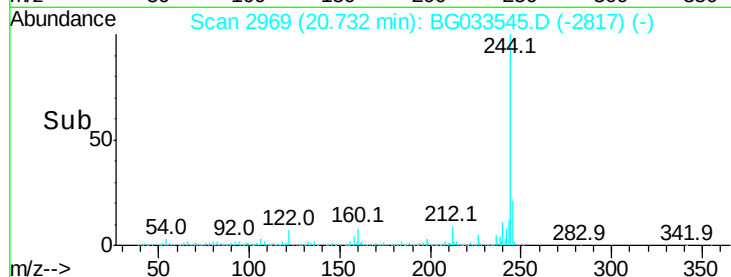
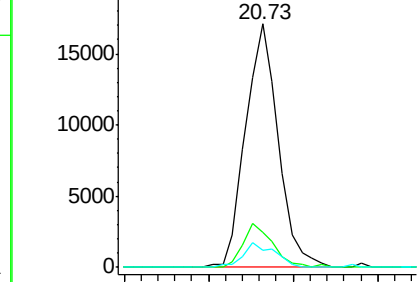
183 7.0 10.6 16.0#



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: 88.551 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033545.D

Acq: 4 Apr 2018 5:06

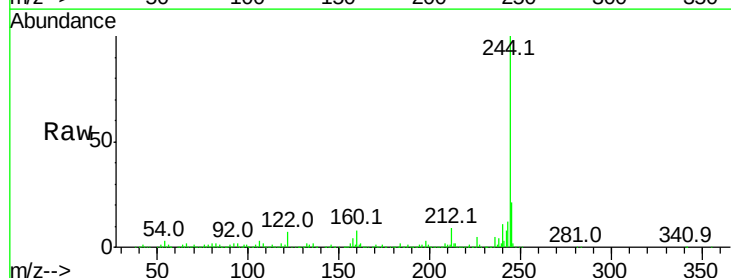
Tgt Ion:244 Resp: 1362301

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

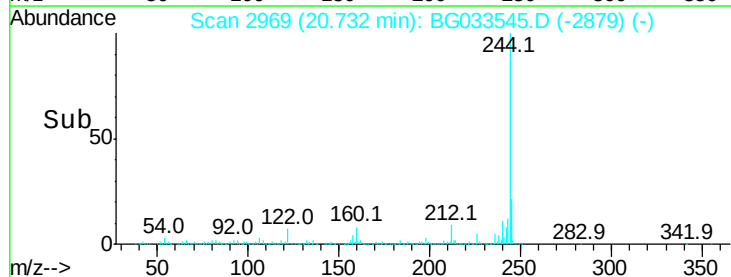
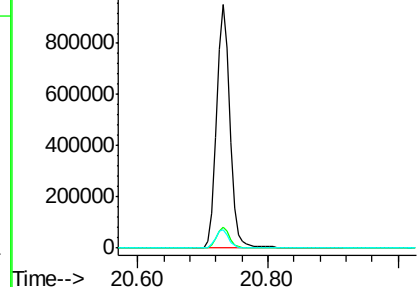
122 7.3 7.0 10.4

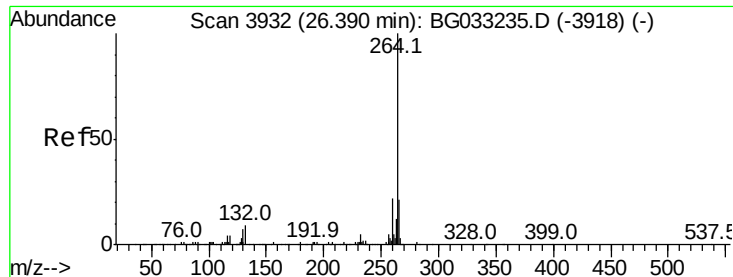


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.33 min Scan# 3921
Delta R.T. 0.01 min
Lab File: BG033545.D
Acq: 4 Apr 2018 5:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	20.4	17.7	26.5

