

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032818\
 Data File : BG033414.D
 Acq On : 29 Mar 2018 10:28
 Operator : SJ/JU
 Sample : J2065-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 29 11:42:28 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

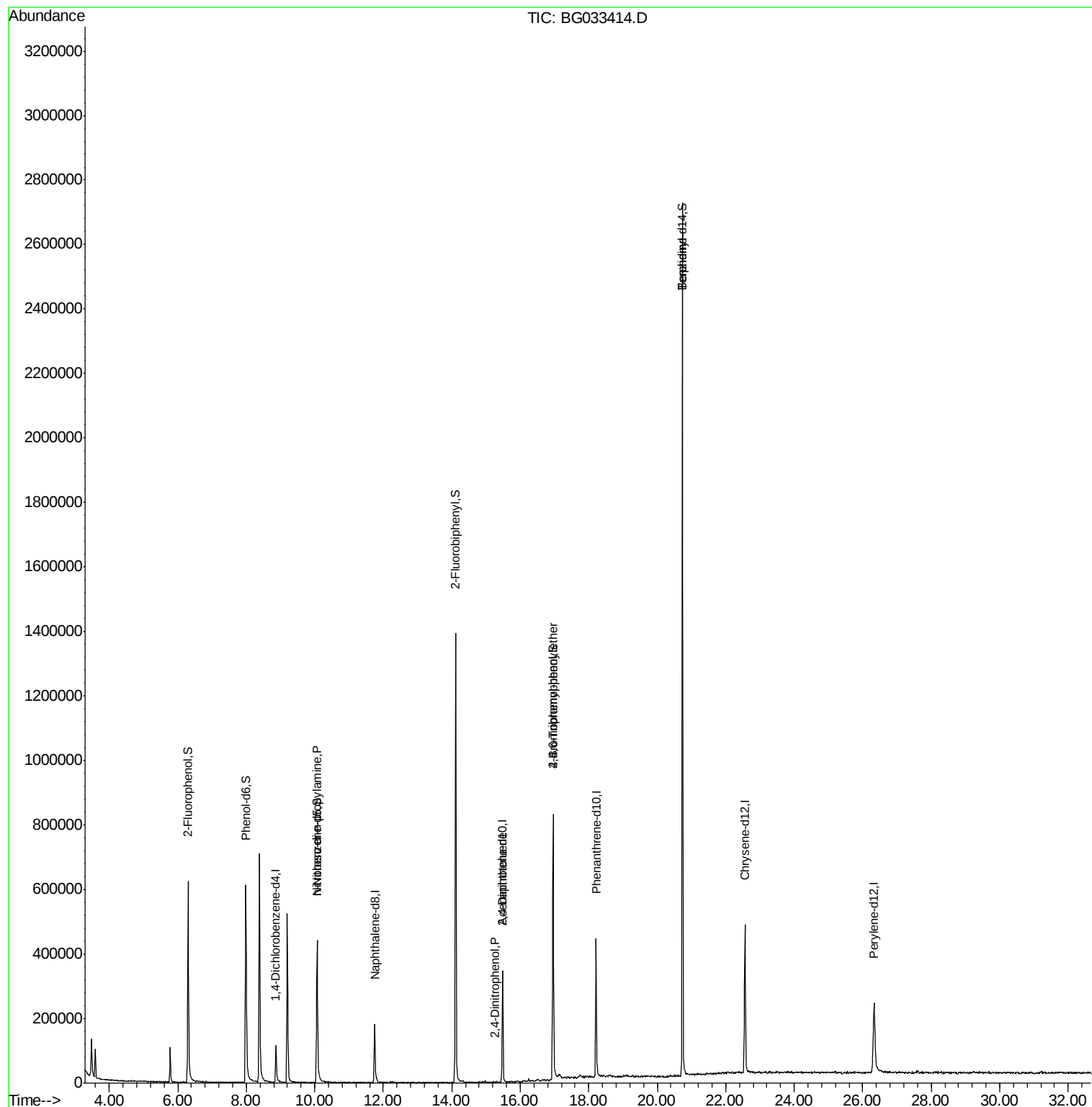
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	41314	20.00	ng	0.00
21) Naphthalene-d8	11.75	136	176865	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	134097	20.00	ng	0.00
63) Phenanthrene-d10	18.22	188	313102	20.00	ng	0.00
75) Chrysene-d12	22.56	240	331313	20.00	ng	0.00
86) Perylene-d12	26.33	264	330510	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	307861	139.73	ng	0.00
7) Phenol-d6	7.99	99	430350	113.68	ng	0.00
23) Nitrobenzene-d5	10.07	82	338211	87.86	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	178412	88.96	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	817356	87.99	ng	0.00
78) Terphenyl-d14	20.73	244	1398790	90.29	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.07	70	45626	16.448	ng	# 71
53) 2,4-Dinitrophenol	15.26	184	94	7.712	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	17283	4.919	ng	# 16
66) 4-Bromophenyl-phenylether	16.96	248	14168	3.853	ng	# 1
76) Benzidine	20.73	184	22852	2.543	ng	# 96

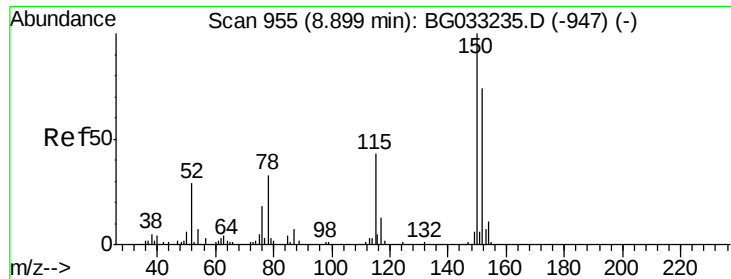
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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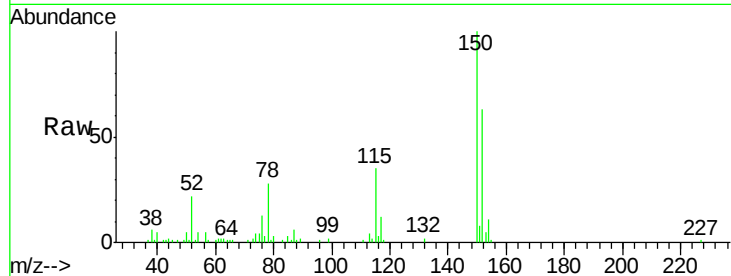


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.87 min Scan# 950
 Delta R.T. -0.01 min
 Lab File: BG033414.D
 Acq: 29 Mar 2018 10:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	152	Resp	41314
Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.6	189.8
115	55.7	53.0	79.4

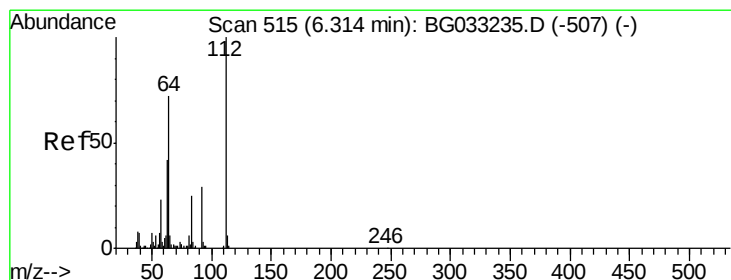
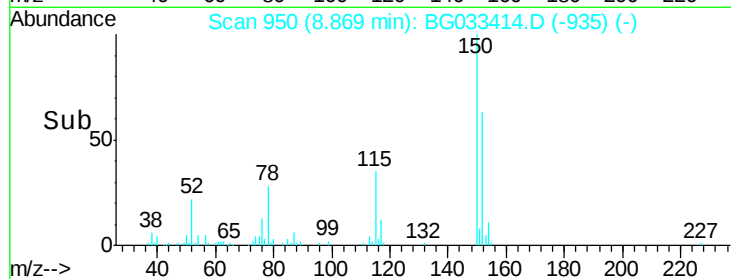
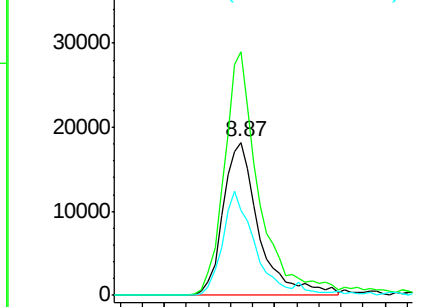


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

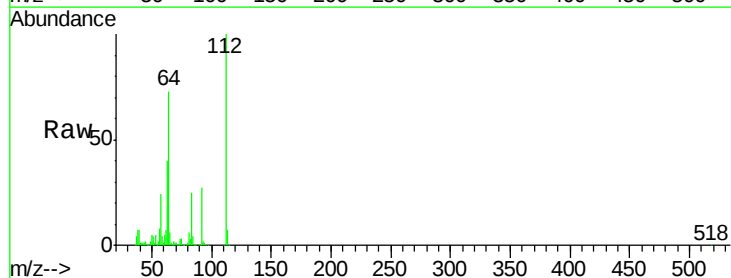
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 139.729 ng
 RT: 6.30 min Scan# 513
 Delta R.T. 0.01 min
 Lab File: BG033414.D
 Acq: 29 Mar 2018 10:28

Tgt Ion	112	Resp	307861
Ion	Ratio	Lower	Upper
112	100		
64	72.7	56.3	84.5
63	40.2	30.1	45.1

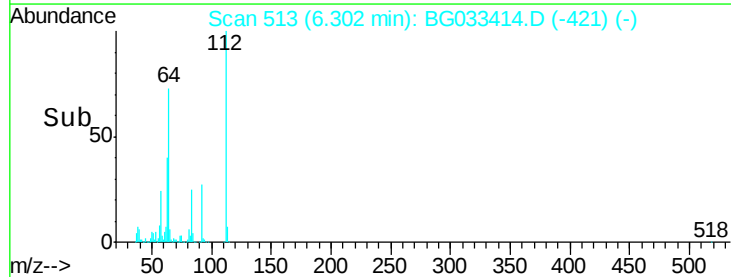
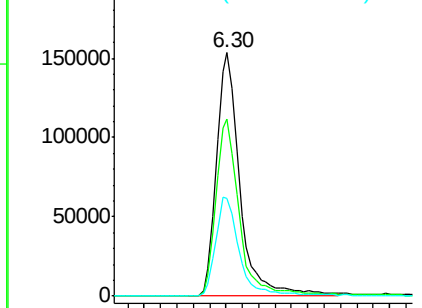


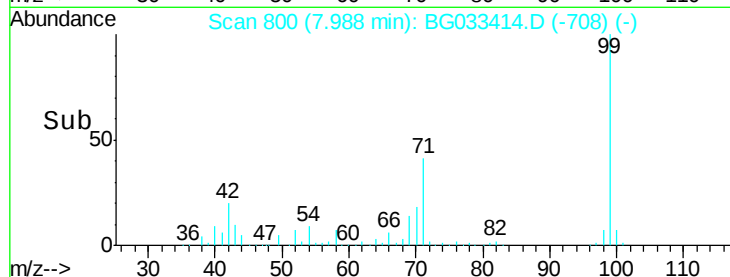
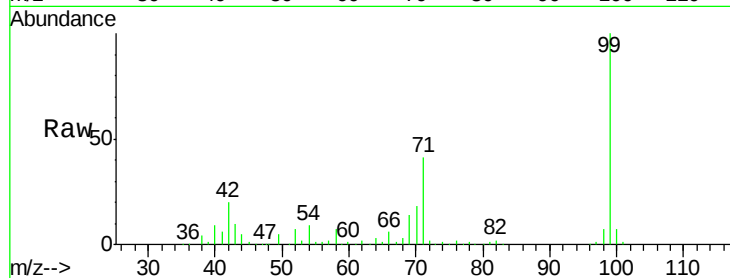
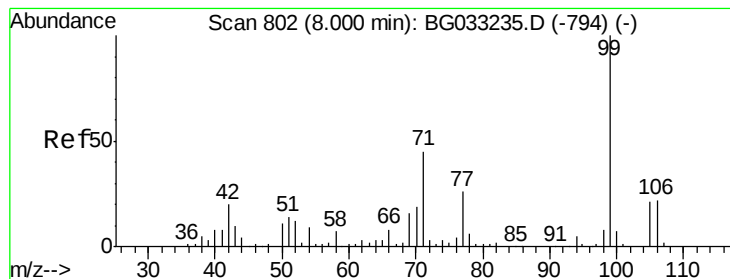
Abundance

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: 113.679 ng

RT: 7.99 min Scan# 800

Delta R.T. 0.01 min

Lab File: BG033414.D

Acq: 29 Mar 2018 10:28

Instrument :

BNA_G

ClientSampleId :

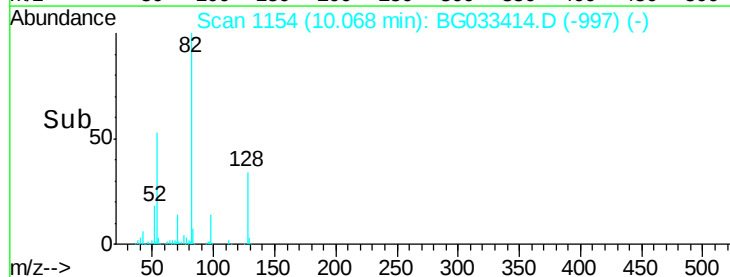
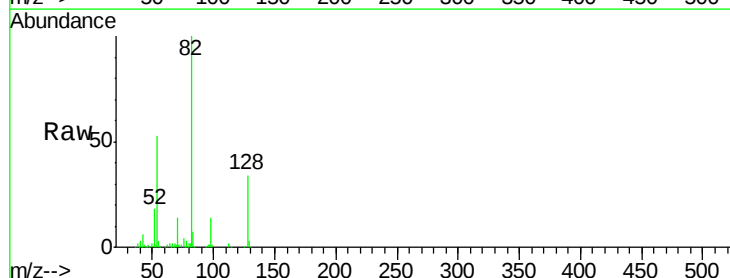
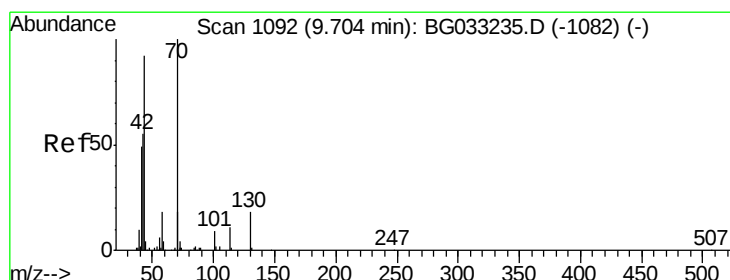
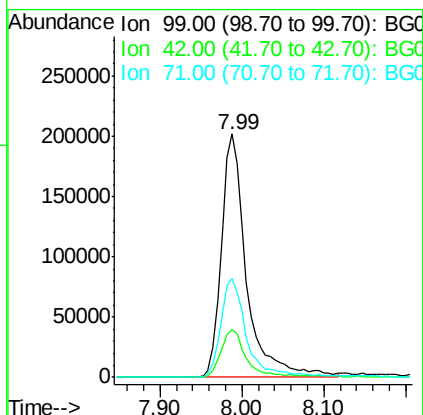
Tot Ion: 99 Resp: 430350

Ion Ratio Lower Upper

99 100

42 19.5 14.1 21.1

71 40.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.448 ng

RT: 10.07 min Scan# 1154

Delta R.T. 0.39 min

Lab File: BG033414.D

Acq: 29 Mar 2018 10:28

Tgt Ion: 70 Resp: 45626

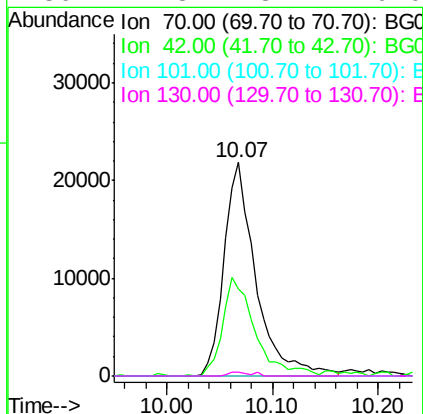
Ion Ratio Lower Upper

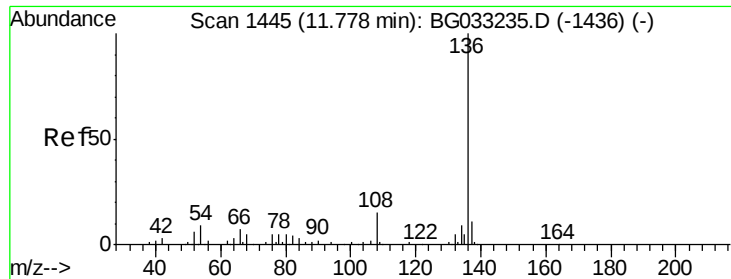
70 100

42 40.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

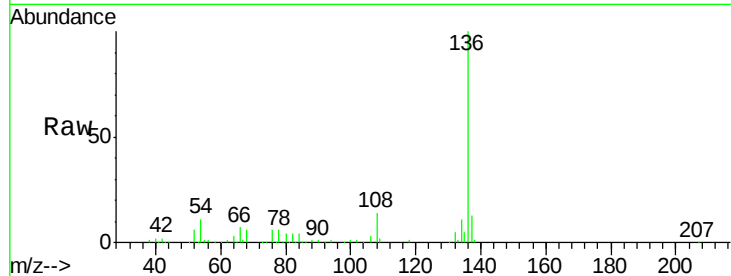




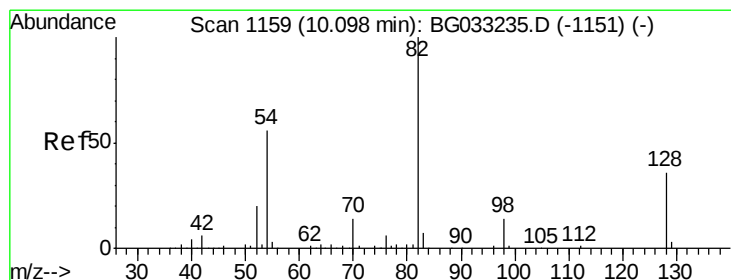
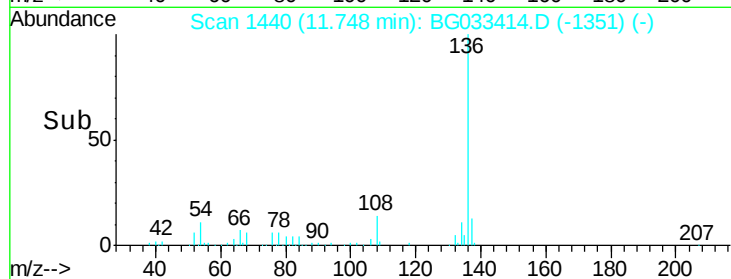
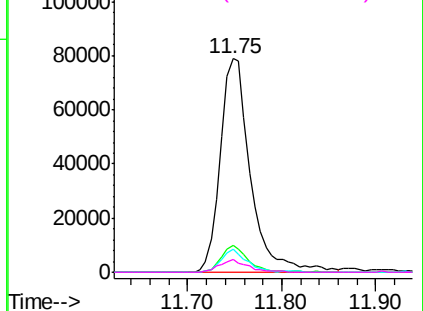
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BG033414.D
Acq: 29 Mar 2018 10:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	176865
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.2	13.8
54	11.0	10.3	15.5
68	6.3	4.5	6.7

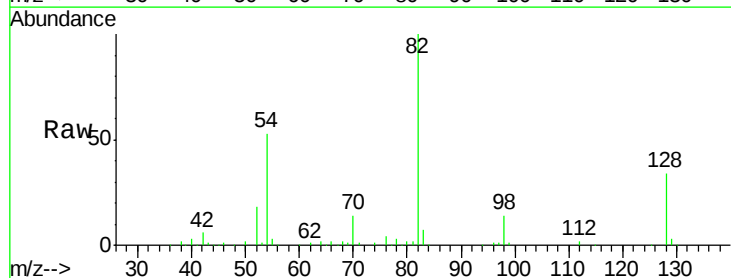


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

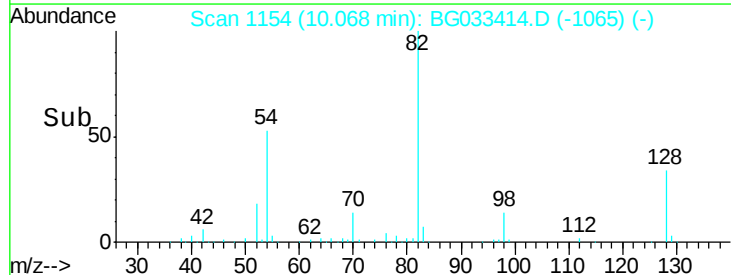
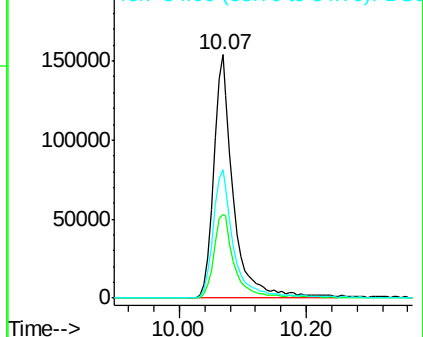


#23
Nitrobenzene-d5
Concen: 87.857 ng
RT: 10.07 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BG033414.D
Acq: 29 Mar 2018 10:28

Tgt Ion:	82	Resp:	338211
Ion	Ratio	Lower	Upper
82	100		
128	34.4	29.7	44.5
54	52.6	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: BG033414.D

Acq: 29 Mar 2018 10:28

Instrument :

BNA_G

ClientSampleId :

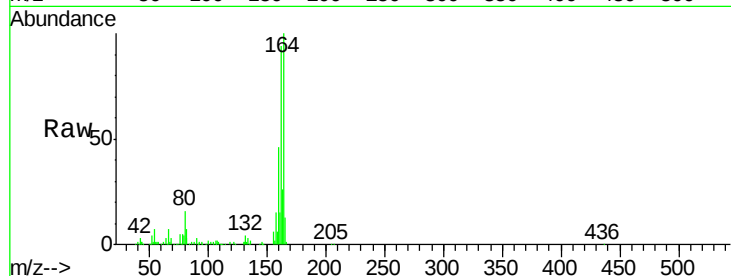
Tot Ion:164 Resp: 134097

Ion Ratio Lower Upper

164 100

162 93.7 78.8 118.2

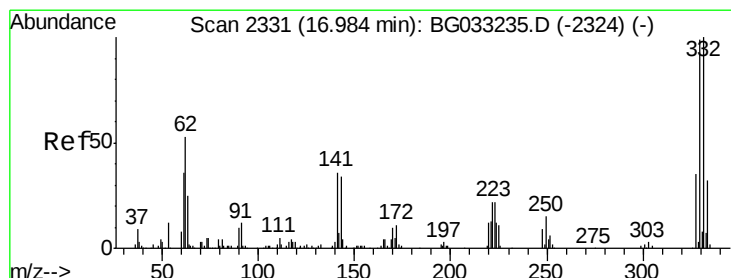
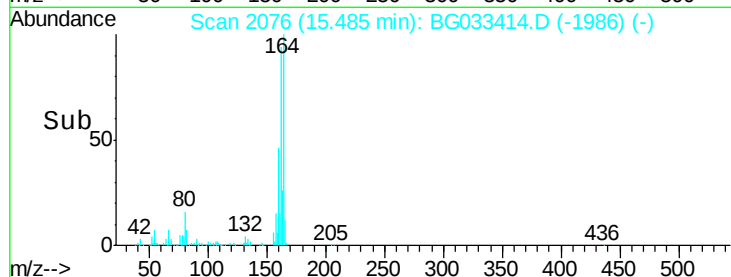
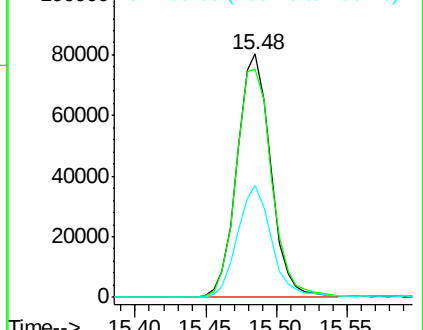
160 45.7 35.4 53.0



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: 88.958 ng

RT: 16.96 min Scan# 2327

Delta R.T. 0.00 min

Lab File: BG033414.D

Acq: 29 Mar 2018 10:28

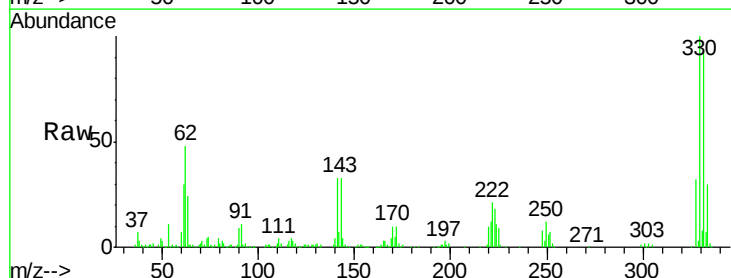
Tgt Ion:330 Resp: 178412

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

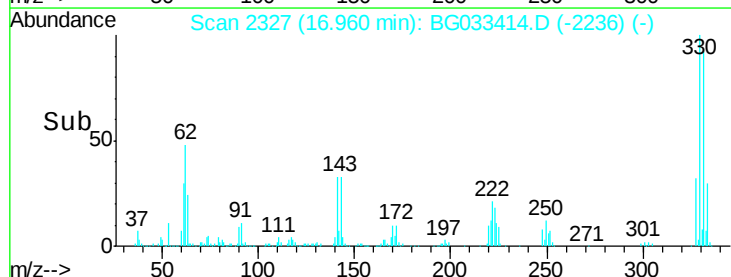
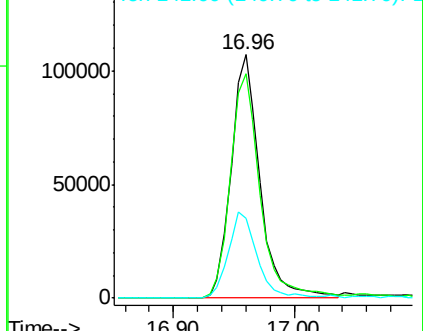
141 35.6 25.2 37.8

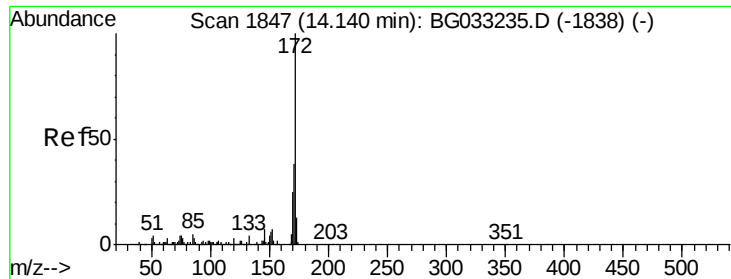


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

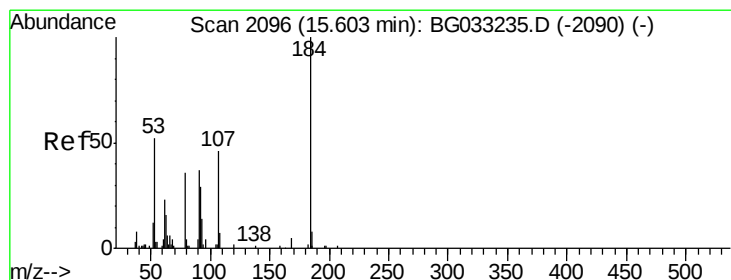
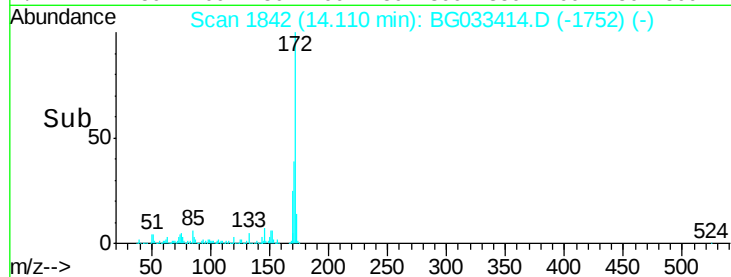
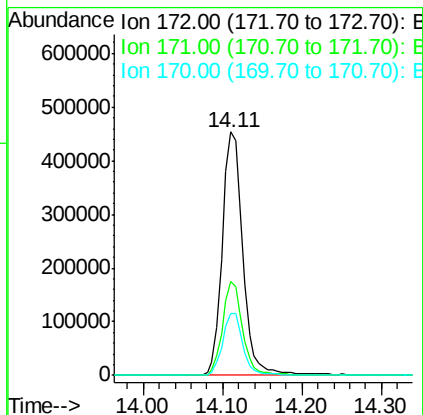
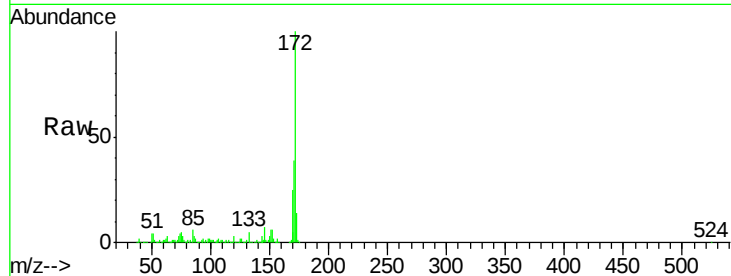




#44
2-Fluorobiphenyl
Concen: 87.993 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.00 min
Lab File: BG033414.D
Acq: 29 Mar 2018 10:28

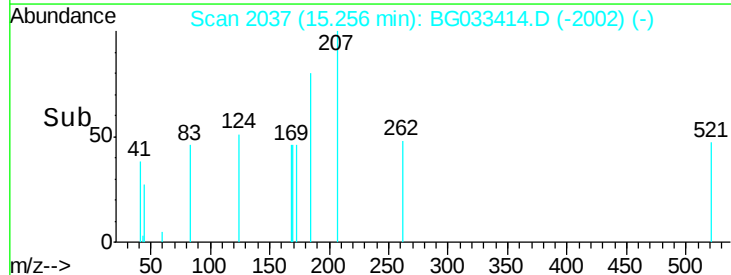
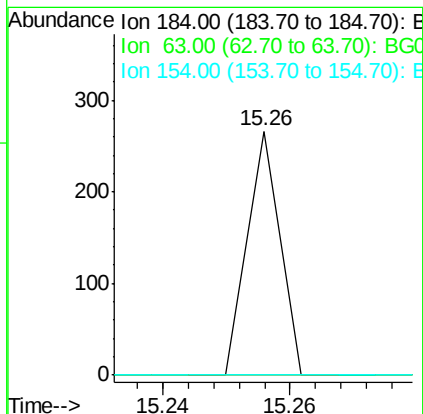
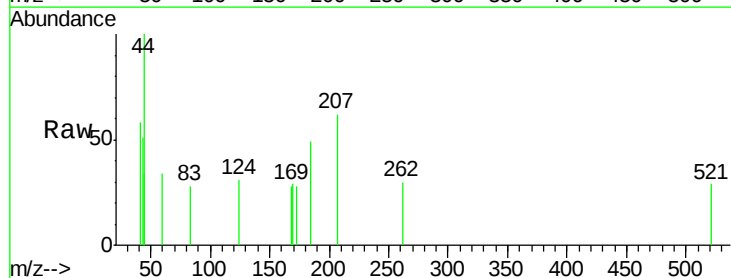
Instrument :
BNA_G
ClientSampleId :

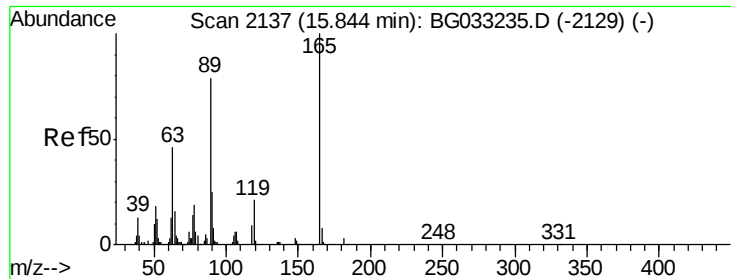
Tot Ion:172 Resp: 817356
Ion Ratio Lower Upper
172 100
171 38.7 30.0 45.0
170 25.3 19.5 29.3



#53
2,4-Dinitrophenol
Concen: 7.712 ng
RT: 15.26 min Scan# 2037
Delta R.T. -0.33 min
Lab File: BG033414.D
Acq: 29 Mar 2018 10:28

Tgt Ion:184 Resp: 94
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#





#56

2,4-Dinitrotoluene

Concen: 4.919 ng

RT: 15.48 min Scan# 2076

Delta R.T. -0.34 min

Lab File: BG033414.D

Acq: 29 Mar 2018 10:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 17283

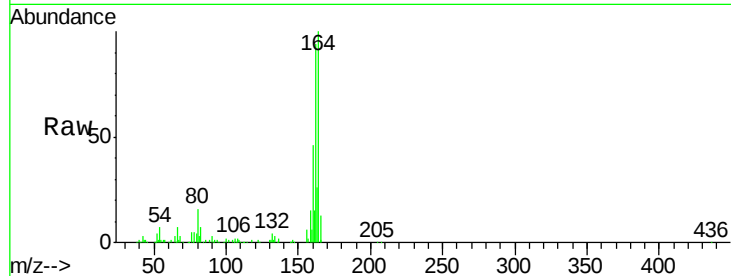
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

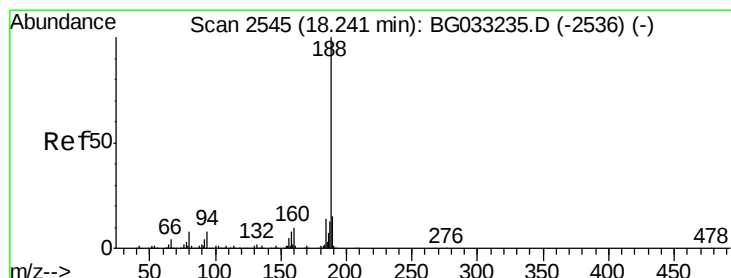
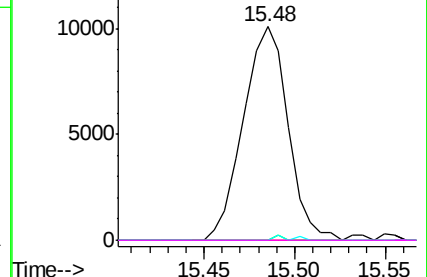
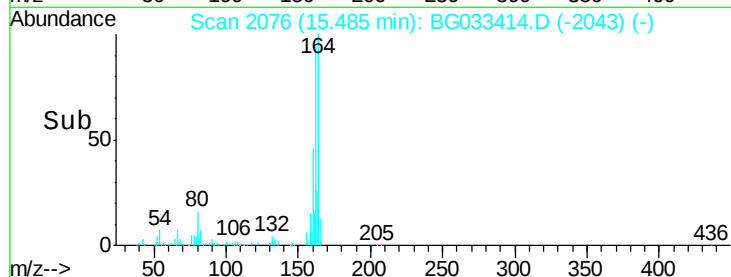


Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.22 min Scan# 2541

Delta R.T. 0.00 min

Lab File: BG033414.D

Acq: 29 Mar 2018 10:28

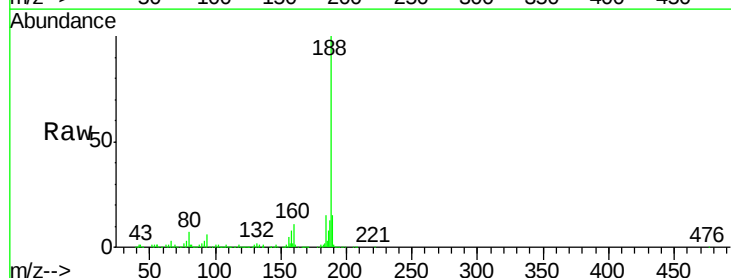
Tgt Ion:188 Resp: 313102

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

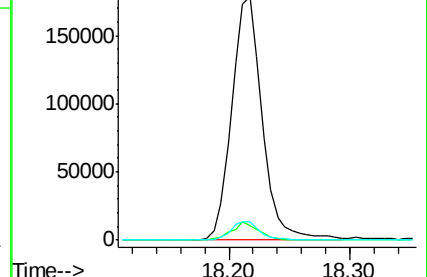
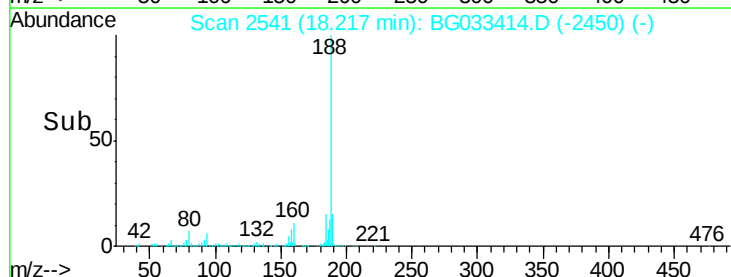
80 7.4 7.7 11.5#

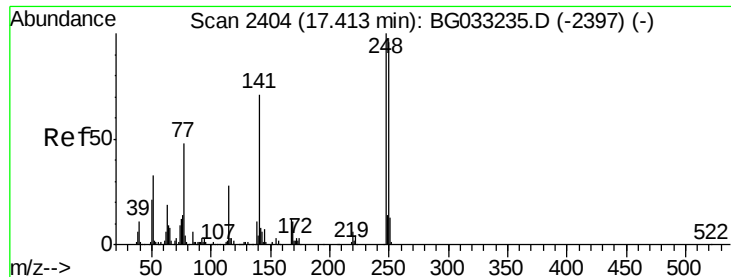


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

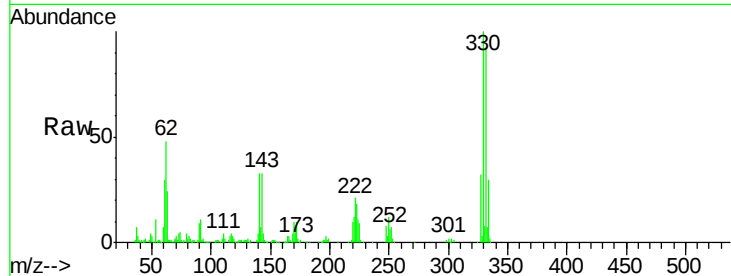




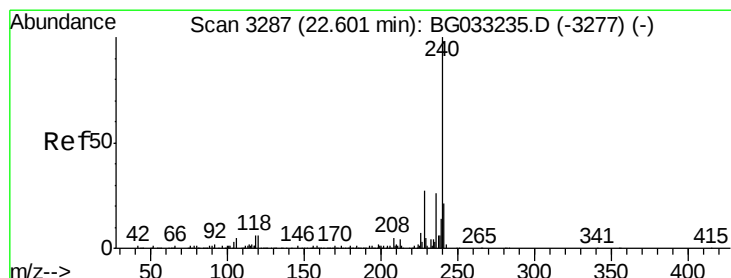
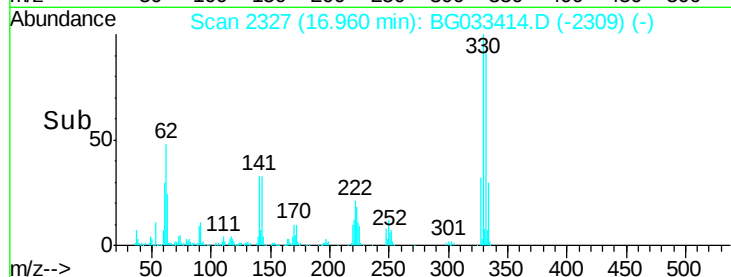
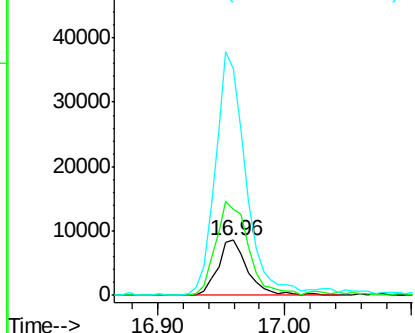
#66
4-Bromophenyl-phenylether
Concen: 3.853 ng
RT: 16.96 min Scan# 2327
Delta R.T. -0.43 min
Lab File: BG033414.D
Acq: 29 Mar 2018 10:28

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 14168
Ion Ratio Lower Upper
248 100
250 155.8 77.1 115.7#
141 412.1 50.8 76.2#

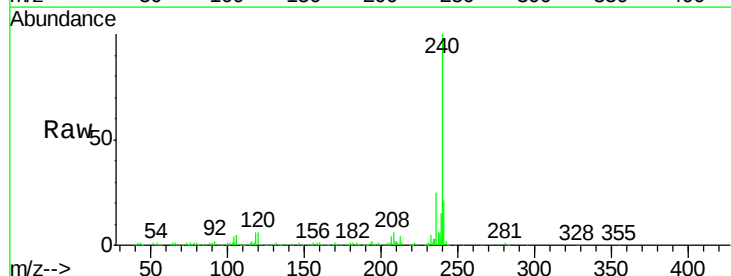


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

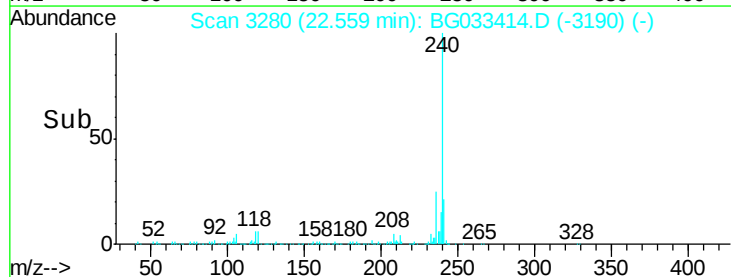
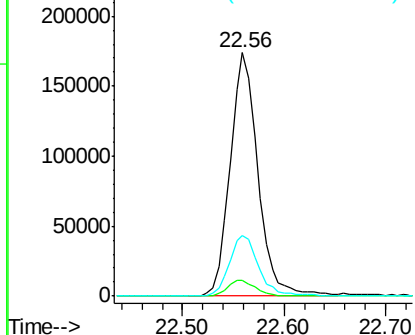


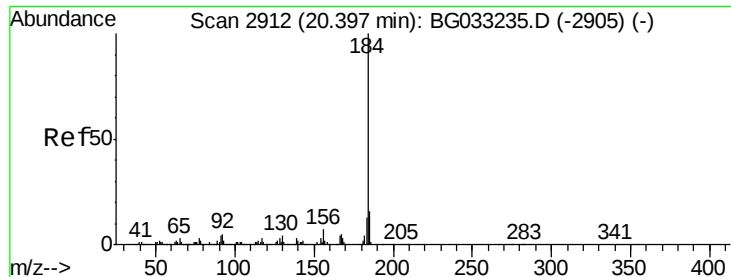
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.56 min Scan# 3280
Delta R.T. -0.00 min
Lab File: BG033414.D
Acq: 29 Mar 2018 10:28

Tgt Ion:240 Resp: 331313
Ion Ratio Lower Upper
240 100
120 6.3 6.8 10.2#
236 25.1 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: 2.543 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033414.D

Acq: 29 Mar 2018 10:28

Instrument :

BNA_G

ClientSampleId :

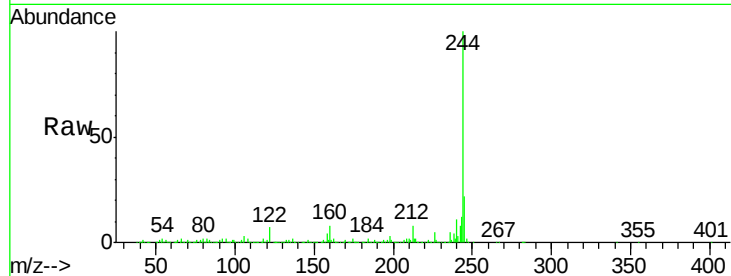
Tot Ion:184 Resp: 22852

Ion Ratio Lower Upper

184 100

185 14.5 11.1 16.7

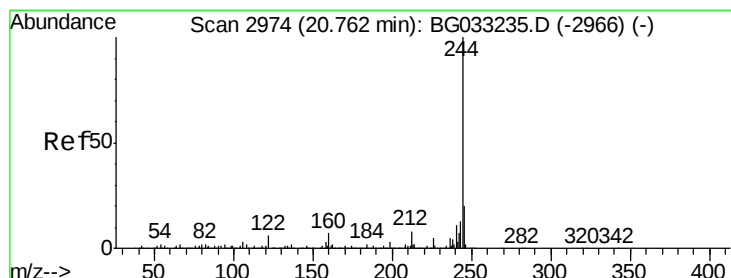
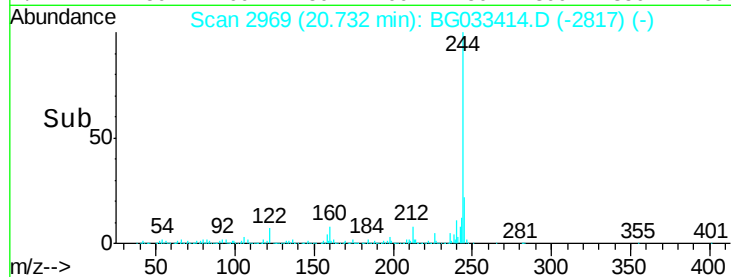
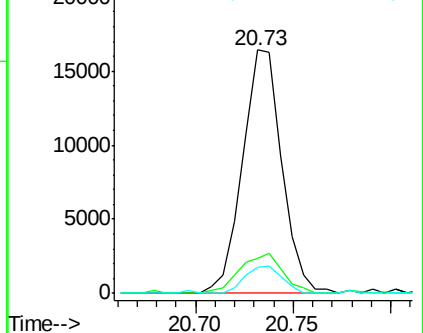
183 10.4 10.6 16.0#



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: 90.291 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033414.D

Acq: 29 Mar 2018 10:28

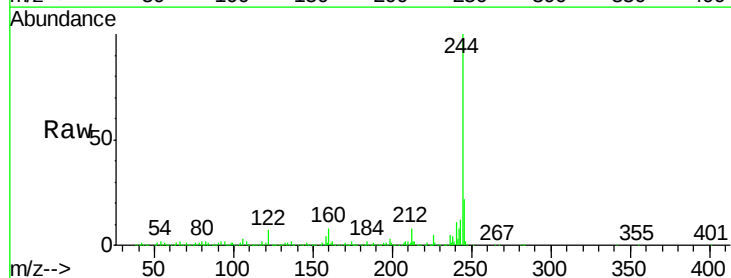
Tgt Ion:244 Resp: 1398790

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

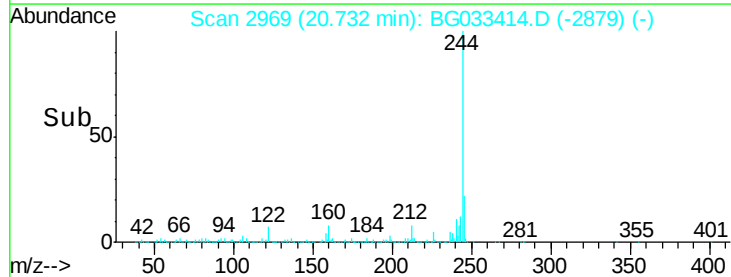
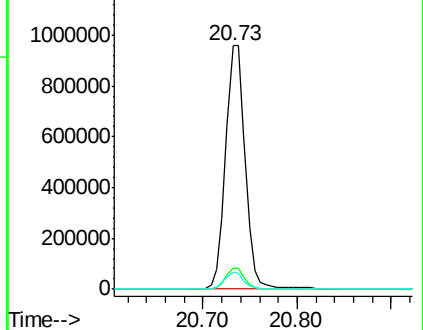
122 7.1 7.0 10.4

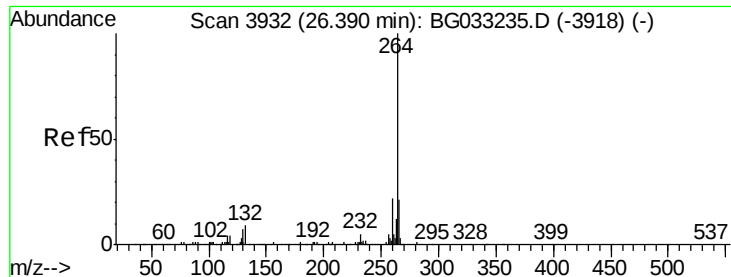


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3922
Delta R.T. -0.00 min
Lab File: BG033414.D
Acq: 29 Mar 2018 10:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.4	26.0
265	22.6	17.7	26.5

