

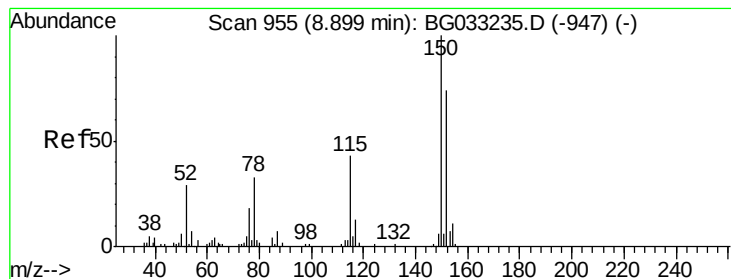
Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\
 Data File : BG033711.D
 Acq On : 10 Apr 2018 13:38
 Operator : SJ/JU
 Sample : J2282-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 10 16:52:11 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 16:51:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.85	152	32372	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	134928	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	96136	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	262800	20.00	ng	0.00
75) Chrysene-d12	22.55	240	314214	20.00	ng	0.00
86) Perylene-d12	26.31	264	330285	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	308507	178.70	ng	0.00
7) Phenol-d6	7.97	99	460297	155.18	ng	0.00
23) Nitrobenzene-d5	10.06	82	295040	100.46	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	212529	147.81	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	634346	95.26	ng	0.00
78) Terphenyl-d14	20.72	244	1334944	90.86	ng	0.00
Target Compounds						
10) Phenol	8.00	94	16734	5.714	ng	# 61
15) Benzyl Alcohol	9.20	79	4845	2.075	ng	# 51
19) n-Nitroso-di-n-propylamine	10.05	70	39155	18.014	ng	# 81
49) Dimethylphthalate	14.89	163	74107	8.858	ng	# 97
53) 2,4-Dinitrophenol	15.45	184	62	7.706	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	12265	4.869	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	17370	5.628	ng	# 1
76) Benzidine	20.72	184	22720	2.666	ng	# 96

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

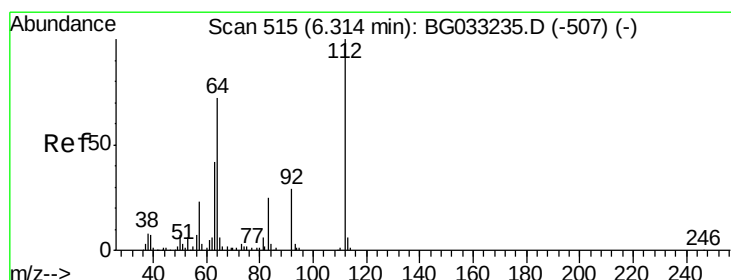
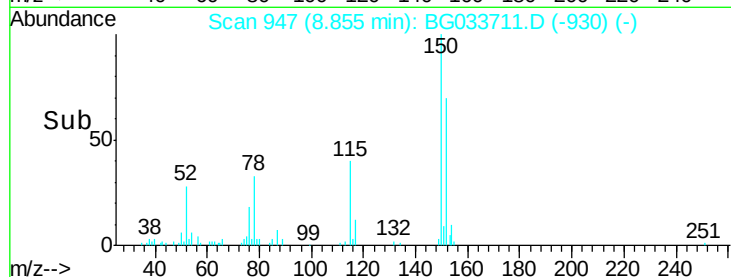
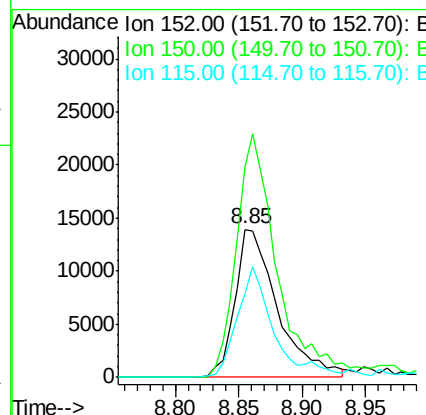
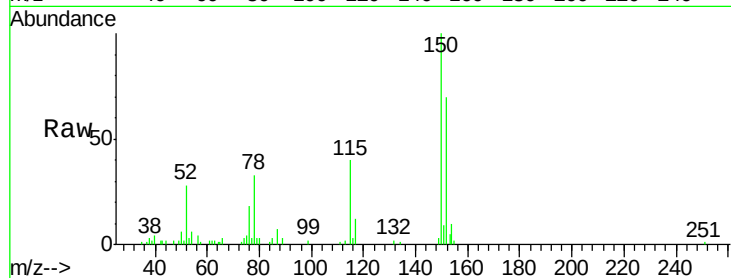


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.85 min Scan# 947
Delta R.T. -0.00 min
Lab File: BG033711.D
Acq: 10 Apr 2018 13:38

Instrument :
BNA_G
ClientSampleId :

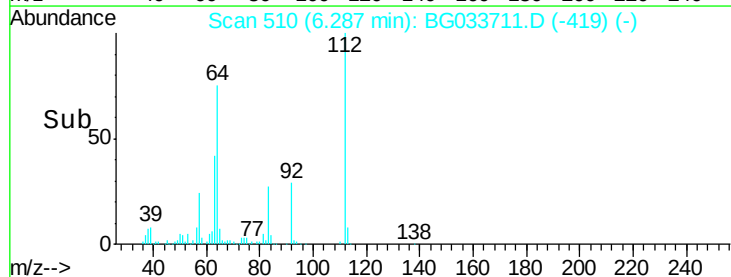
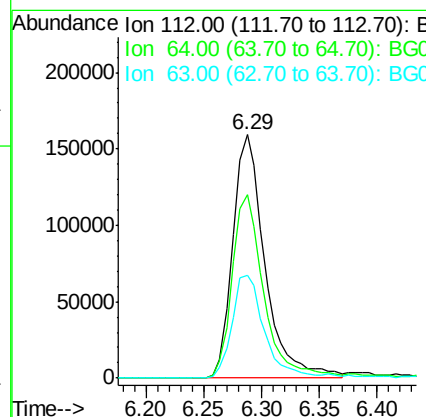
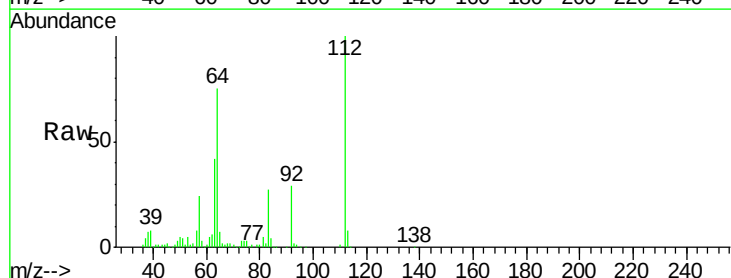
Tot Ion	152	Resp	32372
Ion Ratio	Lower	Upper	
152	100		
150	142.0	126.6	189.8
115	56.2	53.0	79.4

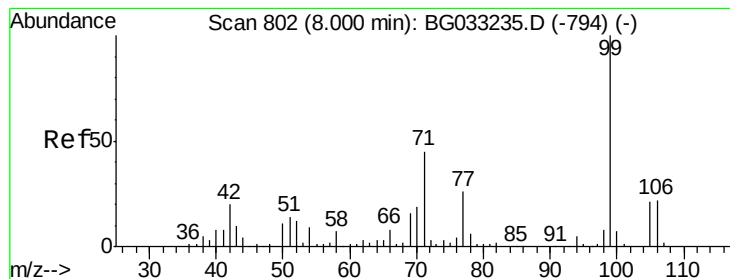


#5

2-Fluorophenol
Concen: 178.700 ng
RT: 6.29 min Scan# 510
Delta R.T. 0.00 min
Lab File: BG033711.D
Acq: 10 Apr 2018 13:38

Tgt Ion	112	Resp	308507
Ion Ratio	Lower	Upper	
112	100		
64	75.3	56.3	84.5
63	42.4	30.1	45.1





#7

Phenol-d6

Concen: 155.175 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033711.D

Acq: 10 Apr 2018 13:38

Instrument :

BNA_G

ClientSampled :

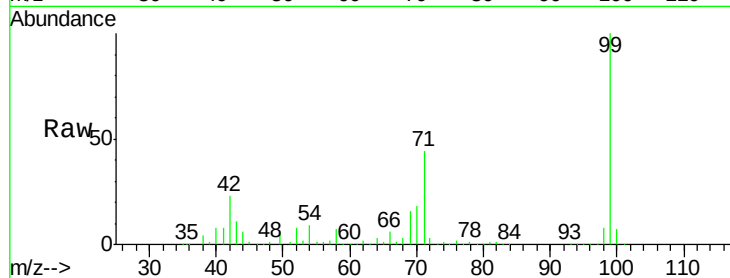
Tot Ion: 99 Resp: 460297

Ion Ratio Lower Upper

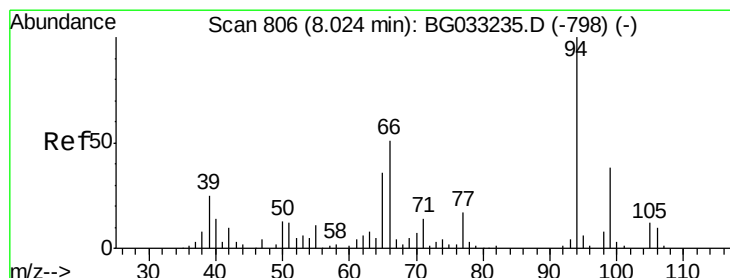
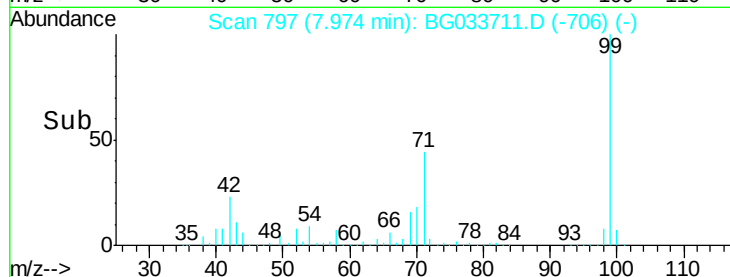
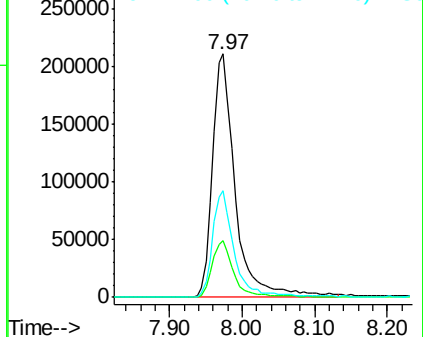
99 100

42 23.1 14.1 21.1#

71 43.6 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



#10

Phenol

Concen: 5.714 ng

RT: 8.00 min Scan# 802

Delta R.T. 0.00 min

Lab File: BG033711.D

Acq: 10 Apr 2018 13:38

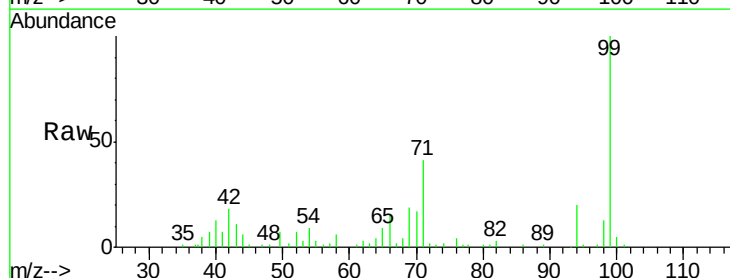
Tgt Ion: 94 Resp: 16734

Ion Ratio Lower Upper

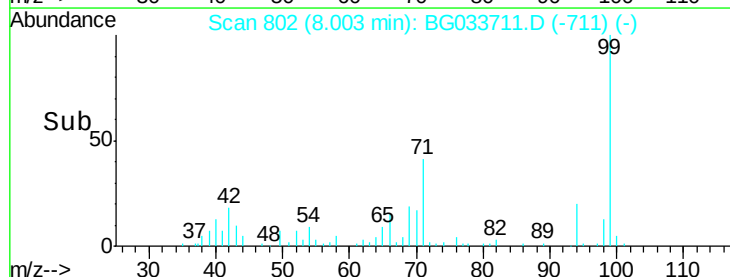
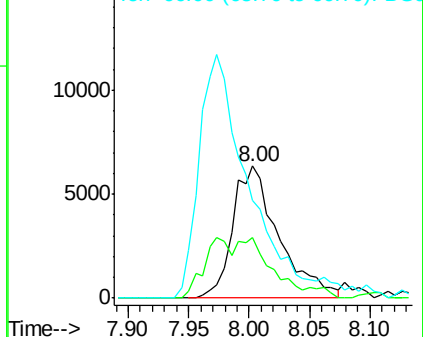
94 100

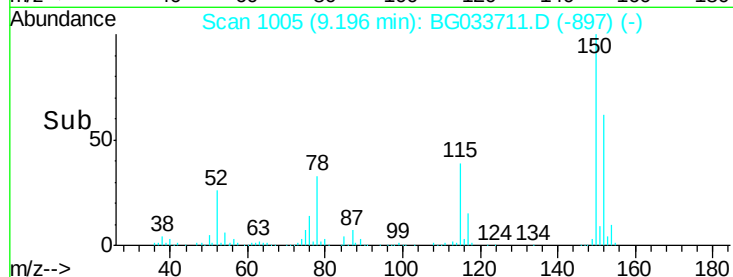
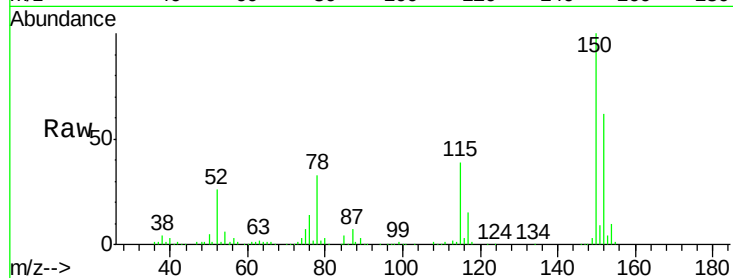
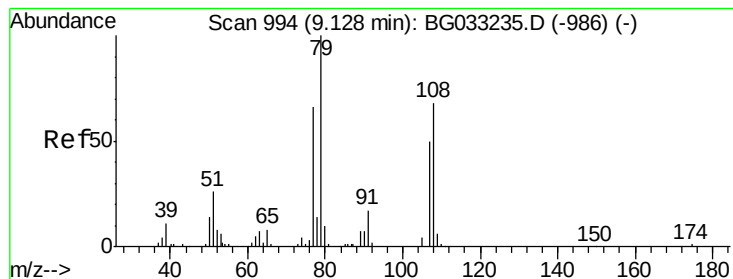
65 45.7 11.9 51.9

66 73.7 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.075 ng

RT: 9.20 min Scan# 1005

Delta R.T. 0.10 min

Lab File: BG033711.D

Acq: 10 Apr 2018 13:38

Instrument :

BNA_G

ClientSampleId :

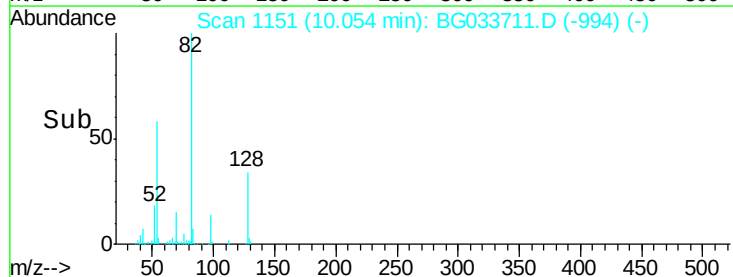
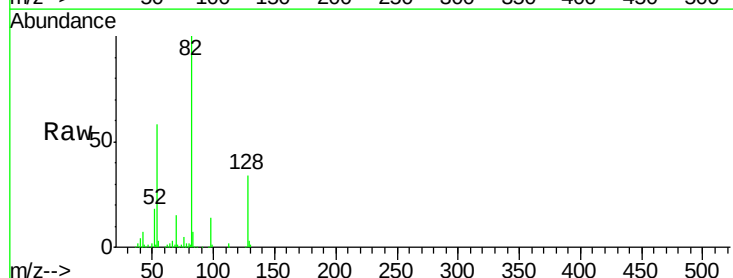
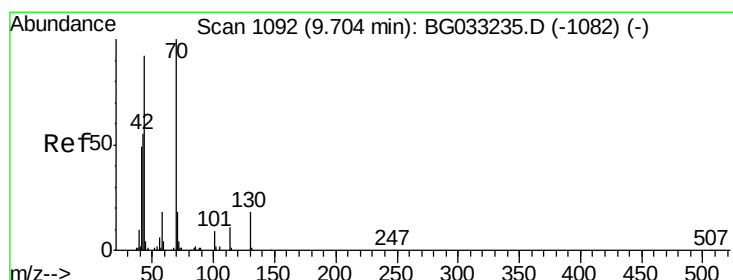
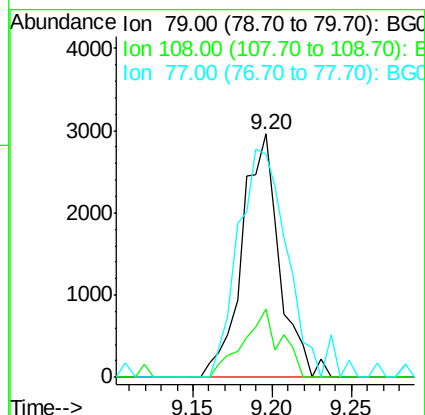
Tot Ion: 79 Resp: 4845

Ion Ratio Lower Upper

79 100

108 28.0 57.2 85.8#

77 91.6 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 18.014 ng

RT: 10.05 min Scan# 1151

Delta R.T. 0.39 min

Lab File: BG033711.D

Acq: 10 Apr 2018 13:38

Tgt Ion: 70 Resp: 39155

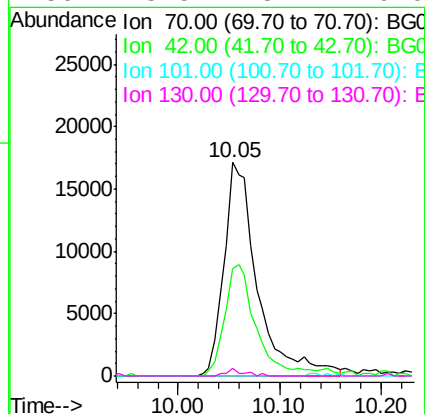
Ion Ratio Lower Upper

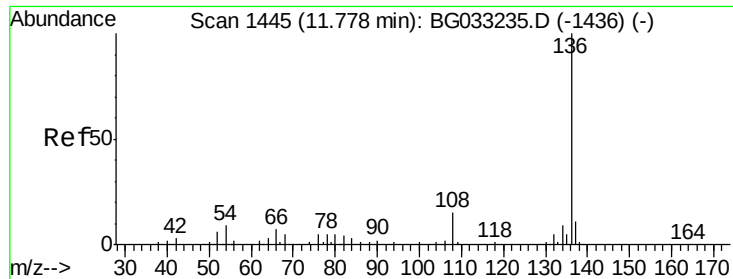
70 100

42 50.2 49.1 73.7

101 0.0 8.5 12.7#

130 3.5 13.4 20.0#

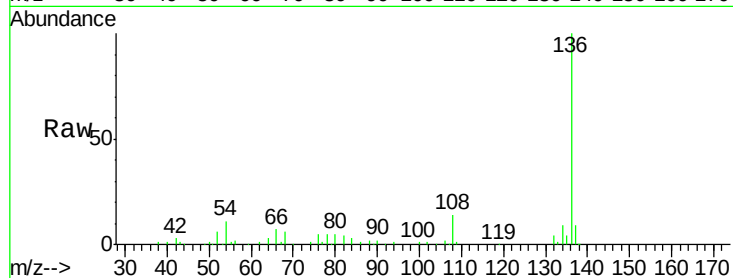




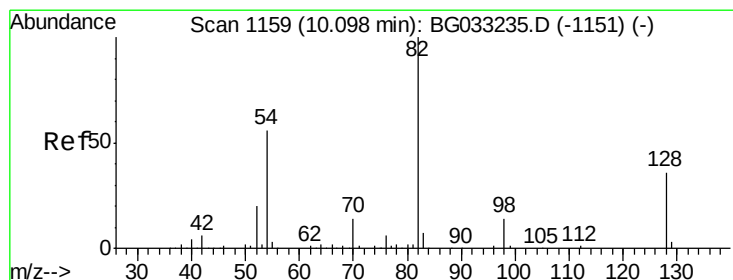
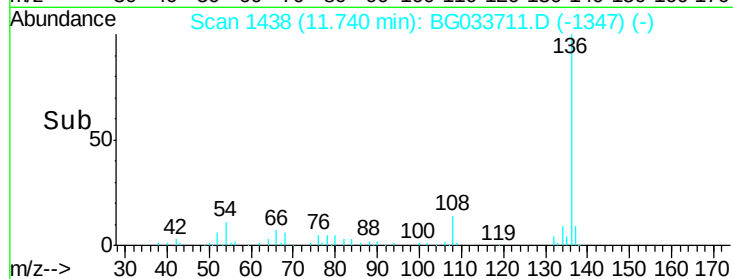
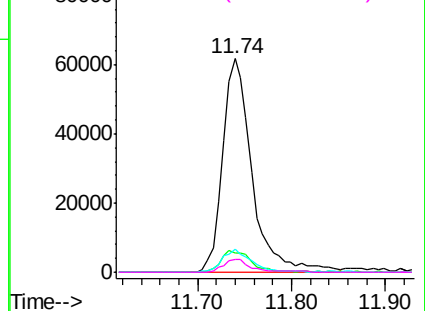
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BG033711.D
Acq: 10 Apr 2018 13:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	134928
Ion	Ratio	Lower	Upper
136	100		
137	9.1	9.2	13.8#
54	10.9	10.3	15.5
68	5.9	4.5	6.7

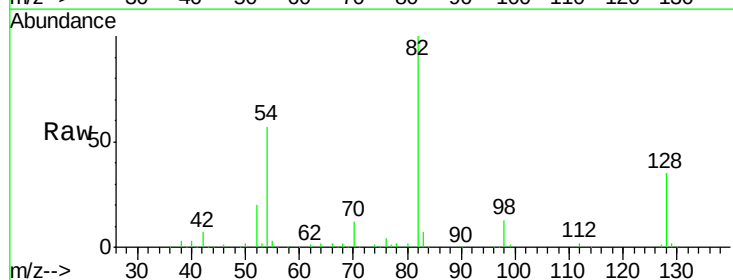


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

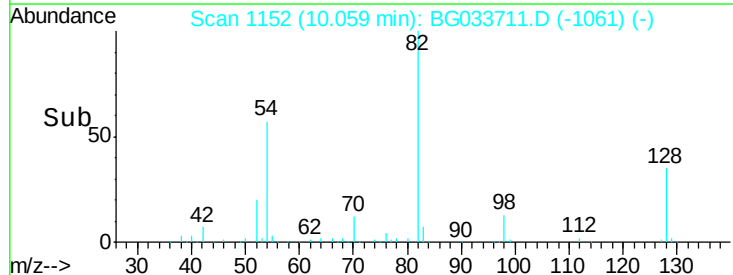
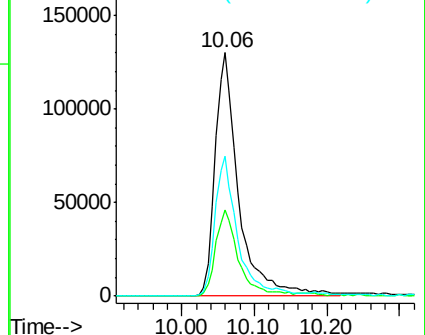


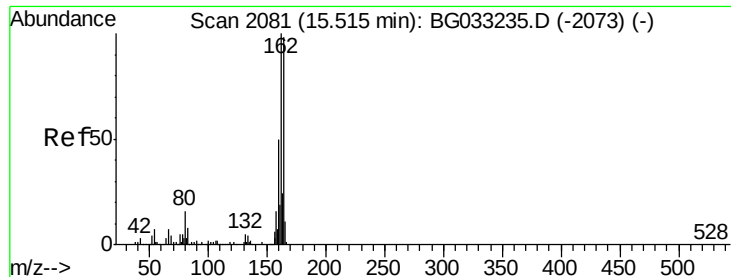
#23
Nitrobenzene-d5
Concen: 100.463 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BG033711.D
Acq: 10 Apr 2018 13:38

Tgt Ion:	82	Resp:	295040
Ion	Ratio	Lower	Upper
82	100		
128	35.3	29.7	44.5
54	57.3	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# 2074

Delta R.T. 0.00 min

Lab File: BG033711.D

Acq: 10 Apr 2018 13:38

Instrument :

BNA_G

ClientSampleId :

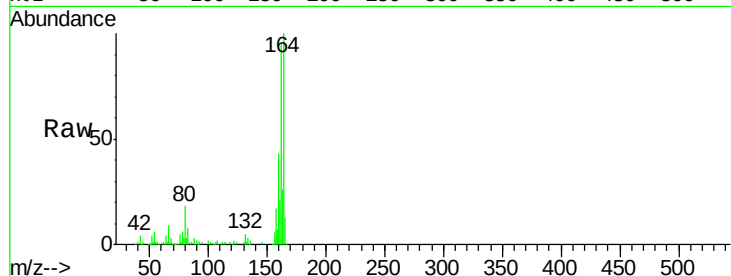
Tot Ion:164 Resp: 96136

Ion Ratio Lower Upper

164 100

162 94.9 78.8 118.2

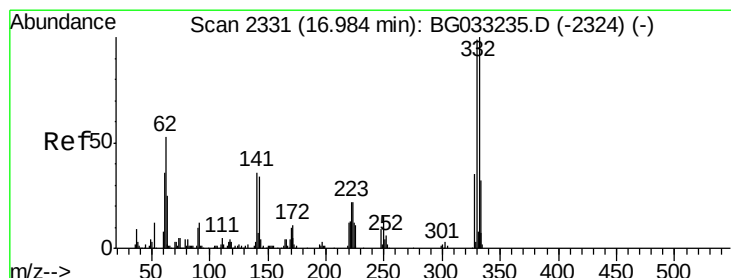
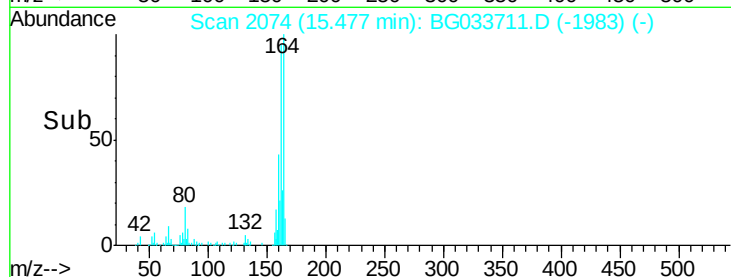
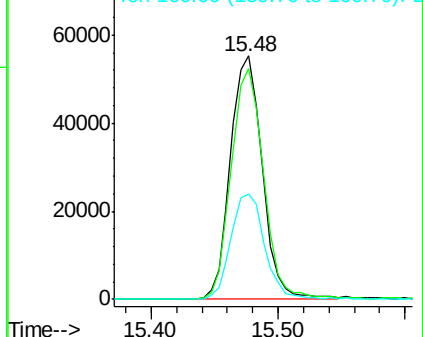
160 43.3 35.4 53.0



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: 147.813 ng

RT: 16.95 min Scan# 2325

Delta R.T. 0.00 min

Lab File: BG033711.D

Acq: 10 Apr 2018 13:38

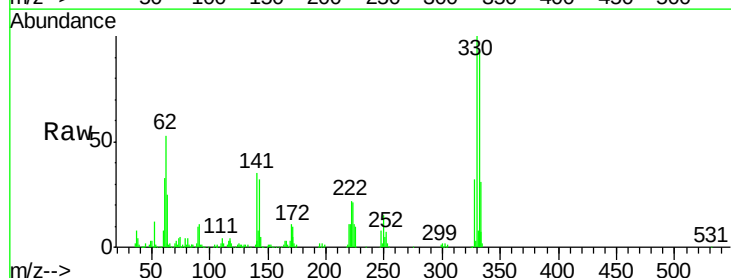
Tgt Ion:330 Resp: 212529

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

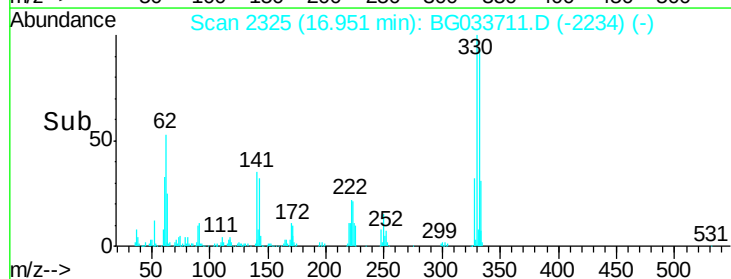
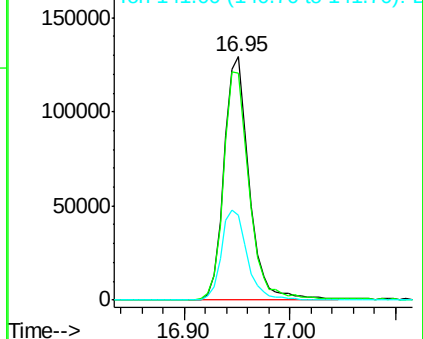
141 38.4 25.2 37.8#

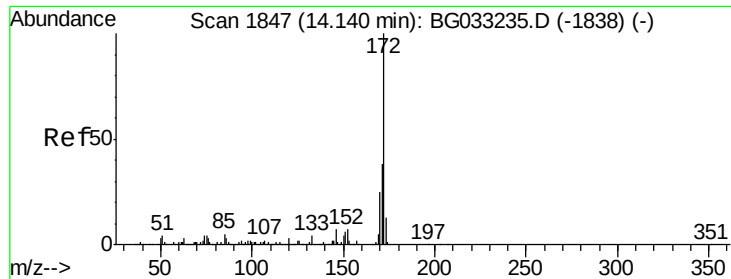


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

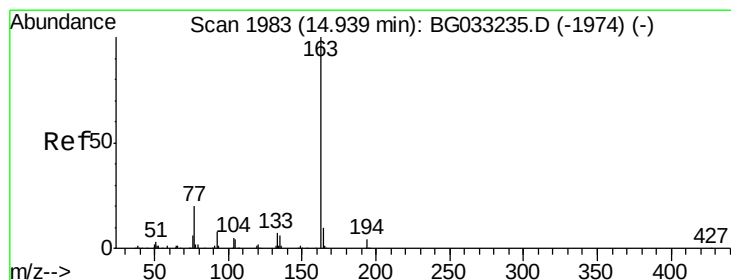
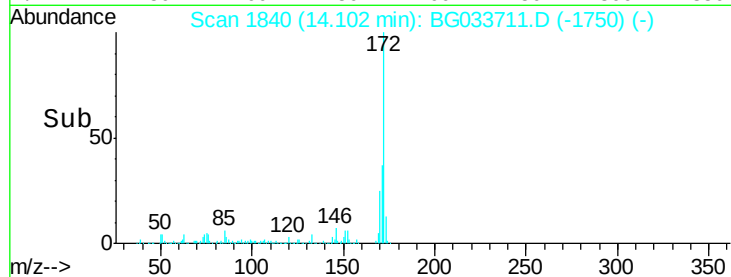
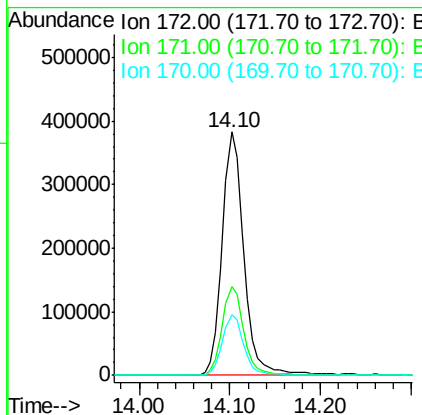
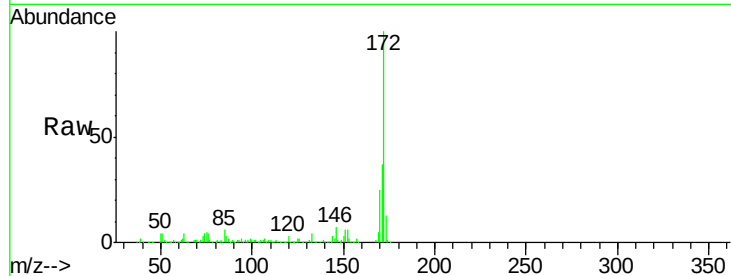




#44
2-Fluorobiphenyl
Concen: 95.257 ng
RT: 14.10 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BG033711.D
Acq: 10 Apr 2018 13:38

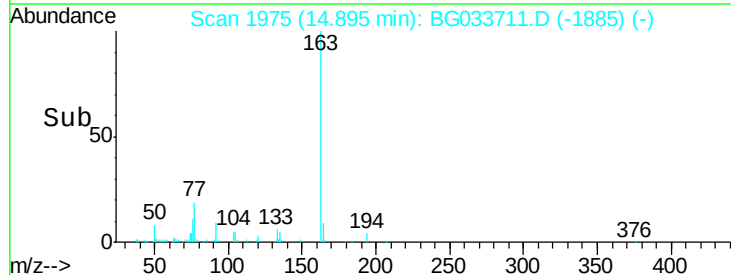
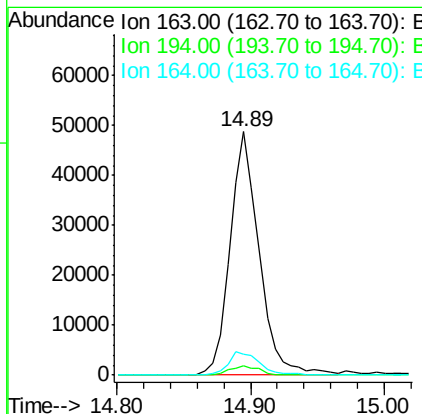
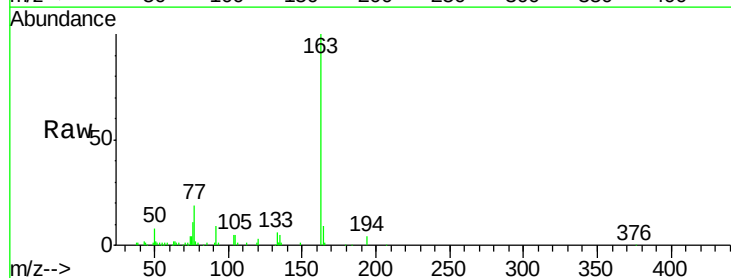
Instrument :
BNA_G
ClientSampleId :

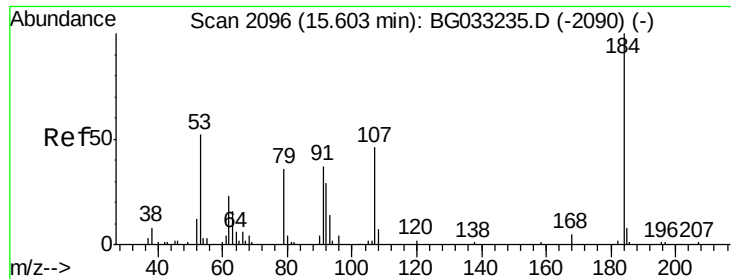
Tot Ion:172 Resp: 634346
Ion Ratio Lower Upper
172 100
171 36.5 30.0 45.0
170 25.0 19.5 29.3



#49
Dimethylphthalate
Concen: 8.858 ng
RT: 14.89 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG033711.D
Acq: 10 Apr 2018 13:38

Tgt Ion:163 Resp: 74107
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 8.7 8.2 12.4

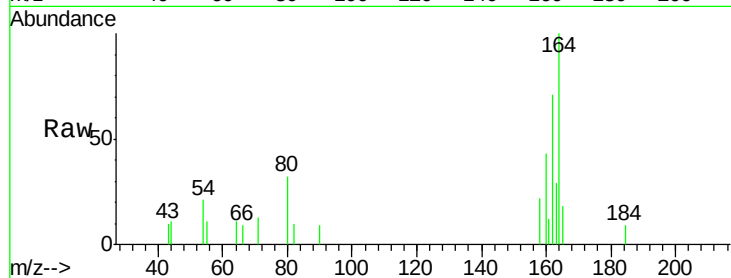




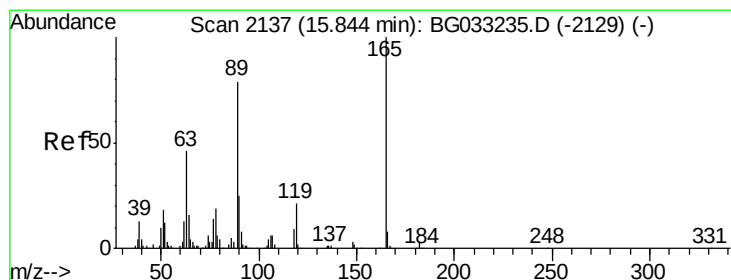
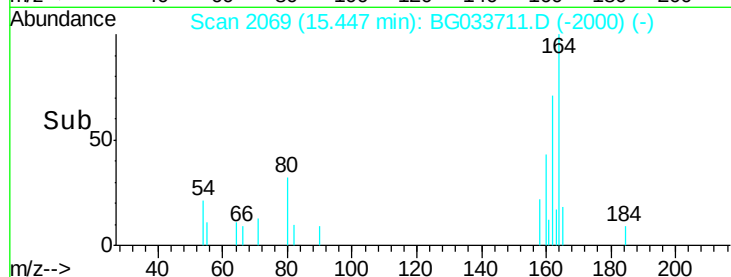
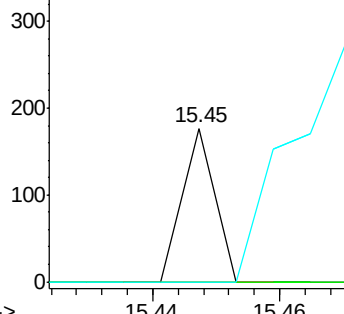
#53
 2,4-Dinitrophenol
 Concen: 7.706 ng
 RT: 15.45 min Scan# 2069
 Delta R.T. -0.13 min
 Lab File: BG033711.D
 Acq: 10 Apr 2018 13:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 62
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

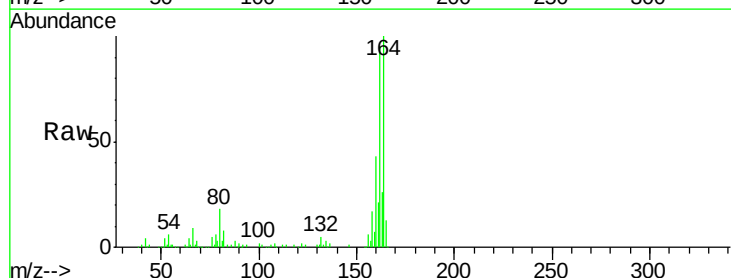


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

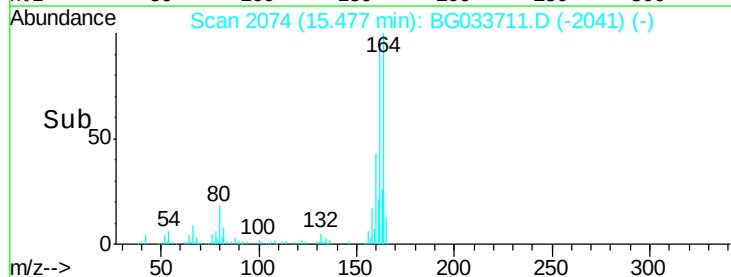
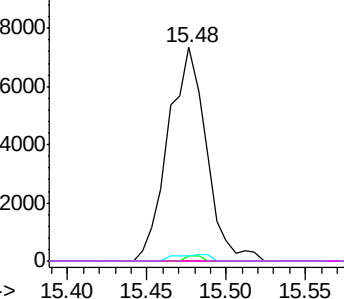


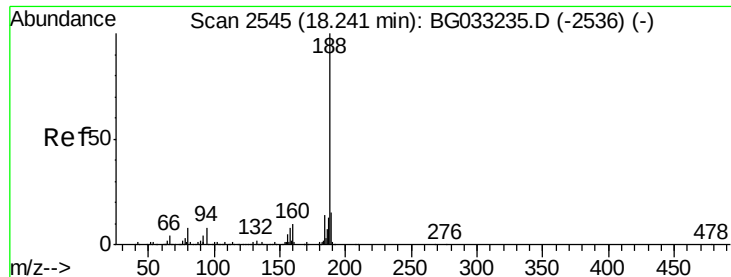
#56
 2,4-Dinitrotoluene
 Concen: 4.869 ng
 RT: 15.48 min Scan# 2074
 Delta R.T. -0.34 min
 Lab File: BG033711.D
 Acq: 10 Apr 2018 13:38

Tgt Ion:165 Resp: 12265
 Ion Ratio Lower Upper
 165 100
 63 2.3 42.0 63.0#
 89 2.4 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): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

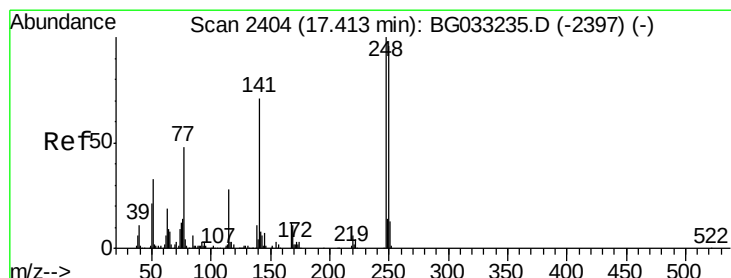
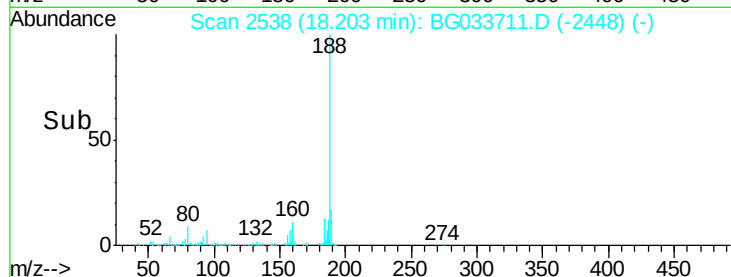
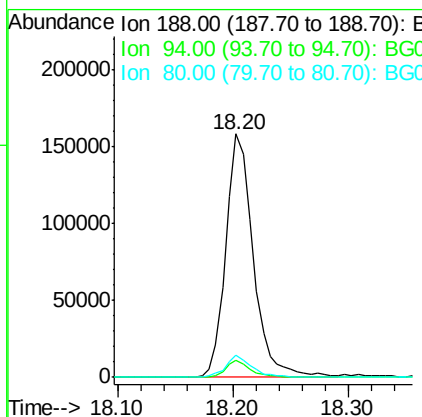
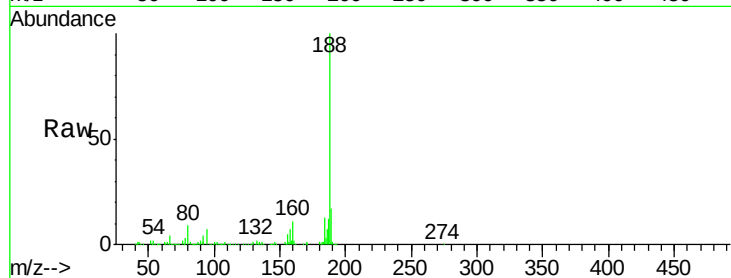




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2538
Delta R.T. -0.00 min
Lab File: BG033711.D
Acq: 10 Apr 2018 13:38

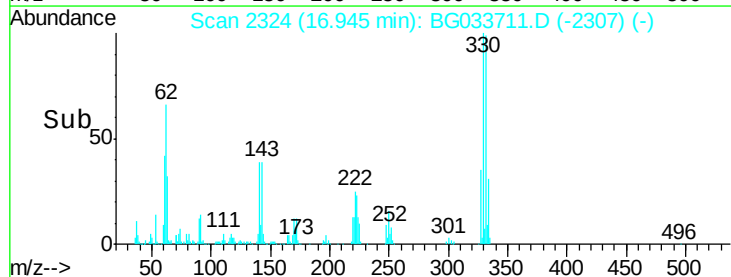
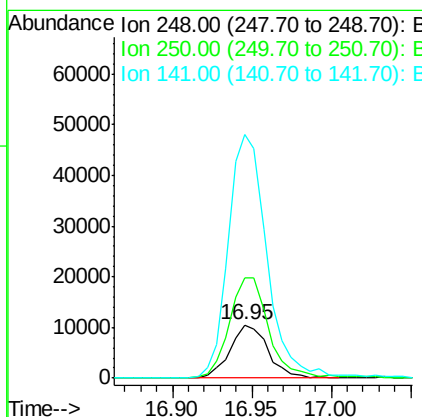
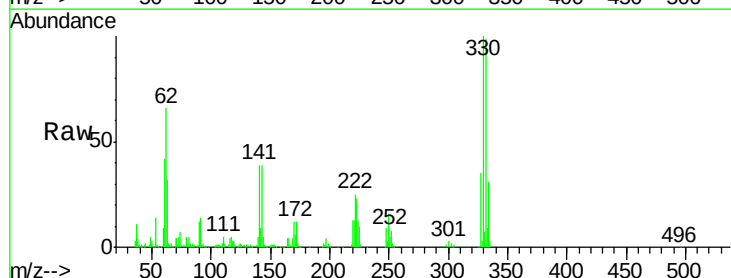
Instrument :
BNA_G
ClientSampleId :

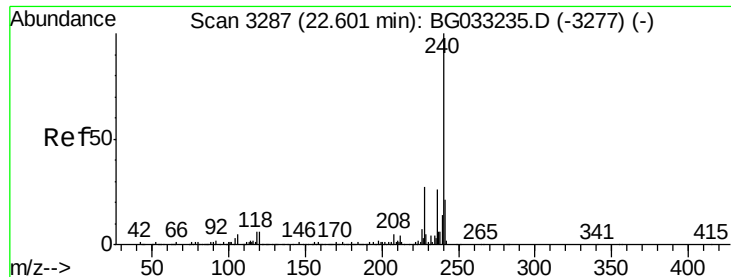
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.9	10.3#
80	8.9	7.7	11.5



#66
4-Bromophenyl-phenylether
Concen: 5.628 ng
RT: 16.95 min Scan# 2324
Delta R.T. -0.43 min
Lab File: BG033711.D
Acq: 10 Apr 2018 13:38

Tgt Ion	Ratio	Lower	Upper
248	100		
250	187.7	77.1	115.7#
141	458.6	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.00 min

Lab File: BG033711.D

Acq: 10 Apr 2018 13:38

Instrument :

BNA_G

ClientSampleId :

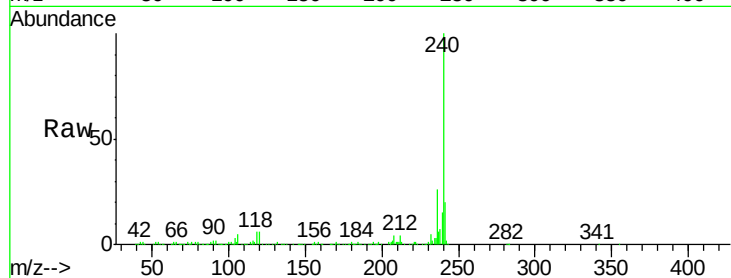
Tot Ion:240 Resp: 314214

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

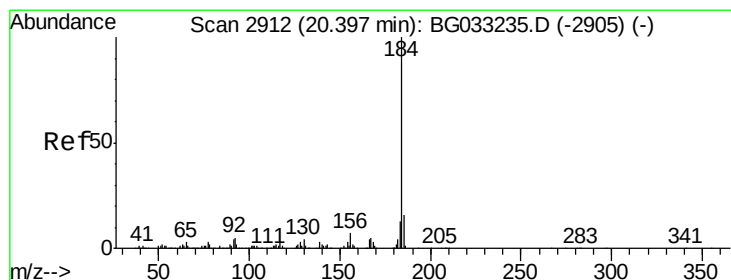
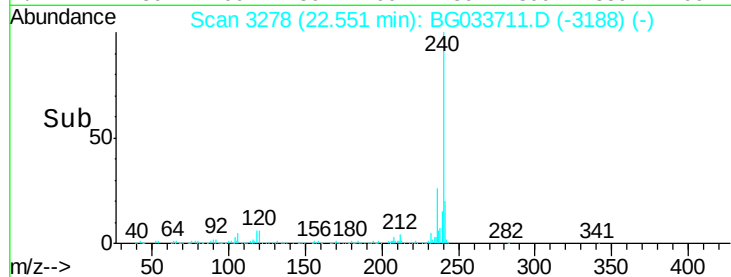
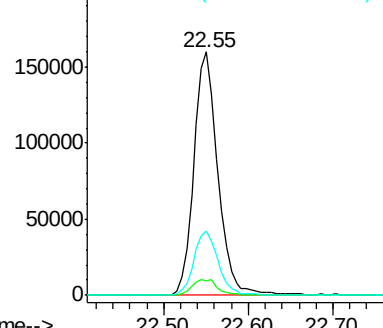
236 26.4 20.9 31.3



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: 2.666 ng

RT: 20.72 min Scan# 2967

Delta R.T. 0.36 min

Lab File: BG033711.D

Acq: 10 Apr 2018 13:38

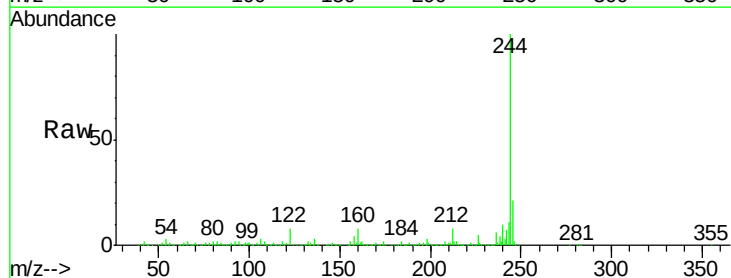
Tgt Ion:184 Resp: 22720

Ion Ratio Lower Upper

184 100

185 14.7 11.1 16.7

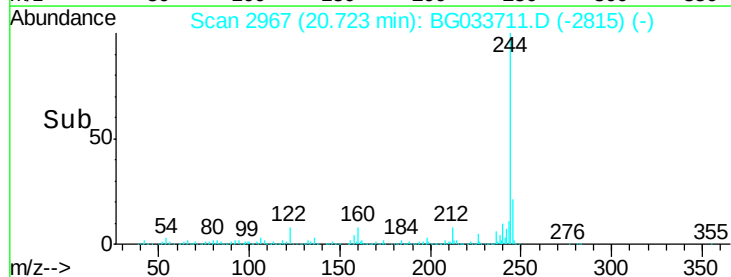
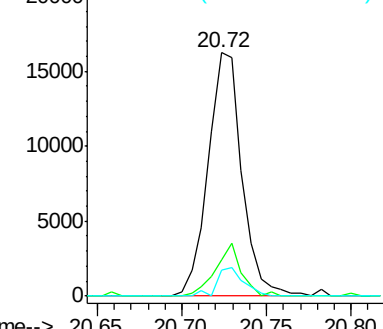
183 10.5 10.6 16.0#

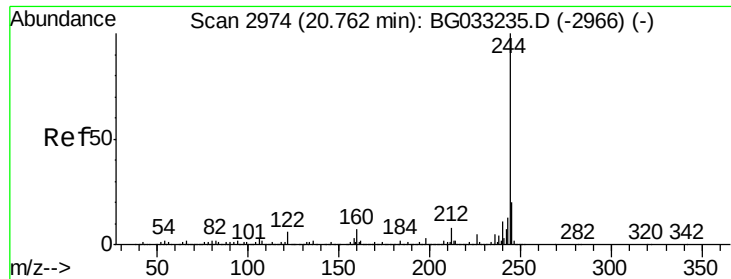


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 90.859 ng

RT: 20.72 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BG033711.D

Acq: 10 Apr 2018 13:38

Instrument :

BNA_G

ClientSampleId :

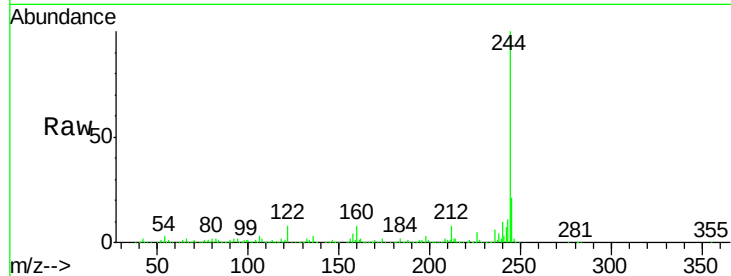
Tot Ion:244 Resp: 1334944

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

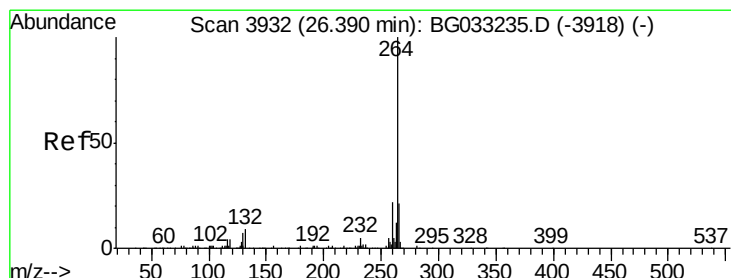
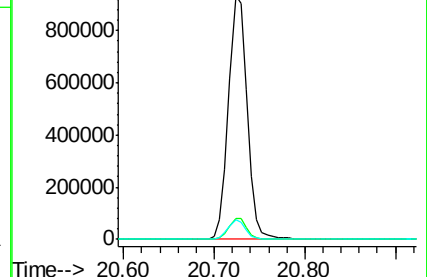
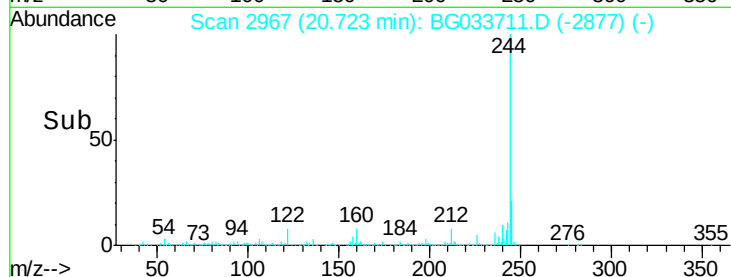
122 7.9 7.0 10.4



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: 26.31 min Scan# 3918

Delta R.T. 0.00 min

Lab File: BG033711.D

Acq: 10 Apr 2018 13:38

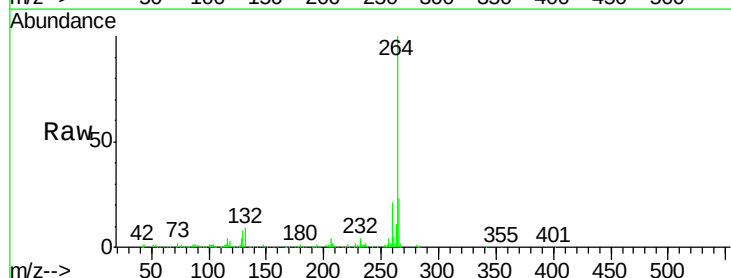
Tgt Ion:264 Resp: 330285

Ion Ratio Lower Upper

264 100

260 21.4 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

