

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\
 Data File : BG033618.D
 Acq On : 6 Apr 2018 7:29
 Operator : SJ/JU
 Sample : J2224-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 06 08:09:36 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 05 17:36:07 2018
 Response via : Initial Calibration

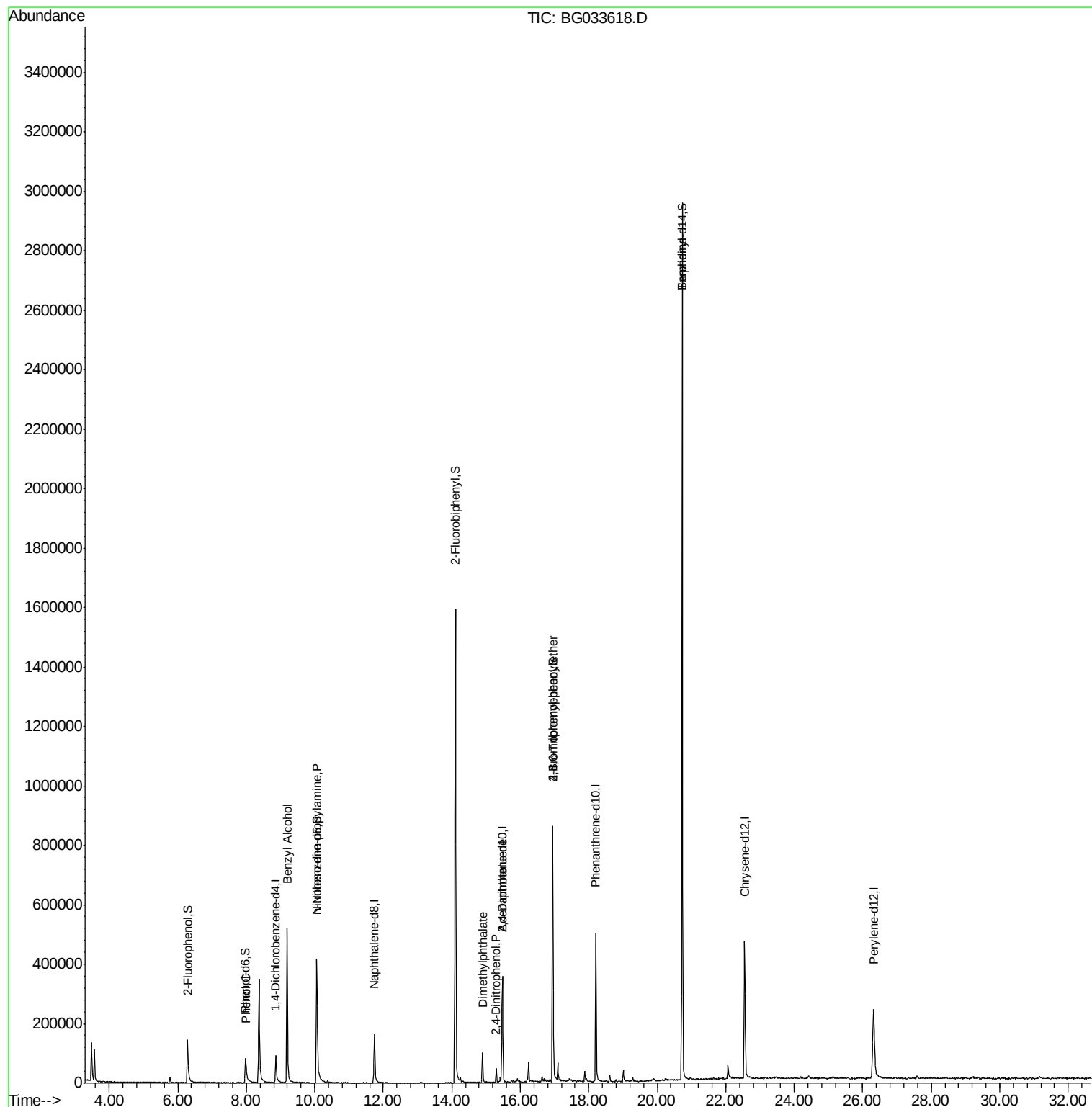
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	32446	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	158667	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	139416	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	354206	20.00	ng	0.00
75) Chrysene-d12	22.55	240	352728	20.00	ng	0.00
86) Perylene-d12	26.31	264	355368	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	81365	47.02	ng	0.00
7) Phenol-d6	7.98	99	74522	25.07	ng	0.00
23) Nitrobenzene-d5	10.06	82	339908	98.42	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	166240	79.73	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	878236	90.94	ng	0.00
78) Terphenyl-d14	20.73	244	1477255	89.57	ng	0.00
Target Compounds						
10) Phenol	8.01	94	7084	2.413	ng	92
15) Benzyl Alcohol	9.20	79	5227	2.233	ng	# 53
19) n-Nitroso-di-n-propylamine	10.06	70	47129	21.633	ng	# 79
49) Dimethylphthalate	14.90	163	68912	5.680	ng	99
53) 2,4-Dinitrophenol	15.28	184	55	7.682	ng	# 1
56) 2,4-Dinitrotoluene	15.47	165	16888	4.623	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	12885	3.097	ng	# 1
76) Benzidine	20.73	184	25483	2.664	ng	# 87

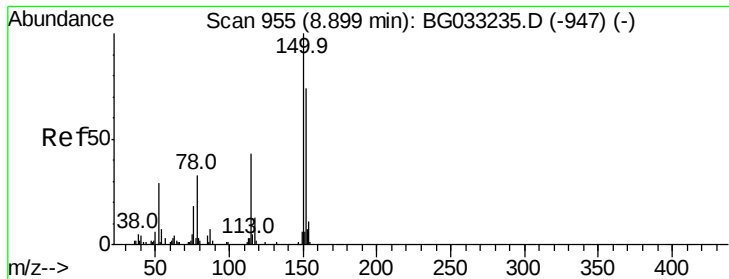
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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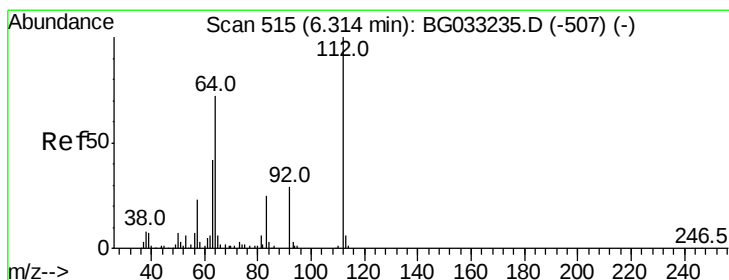
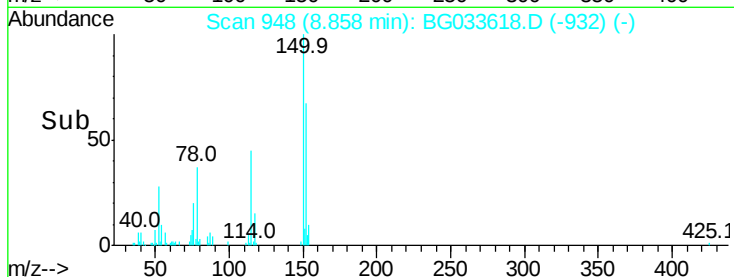
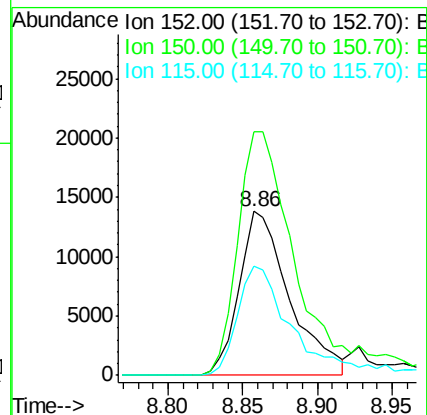
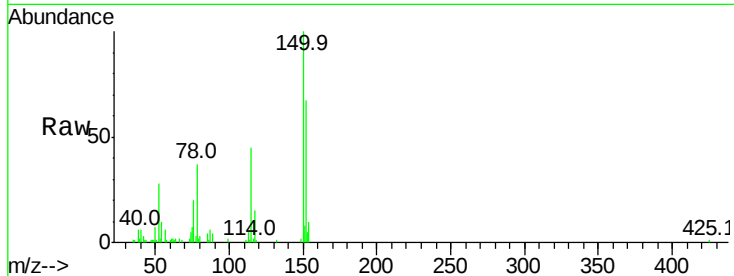


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG033618.D
Acq: 6 Apr 2018 7:29

Instrument :
BNA_F
ClientSampled :

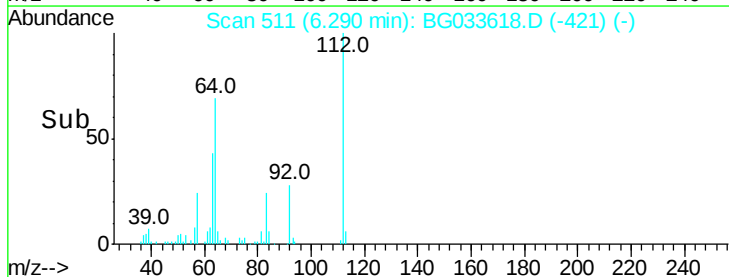
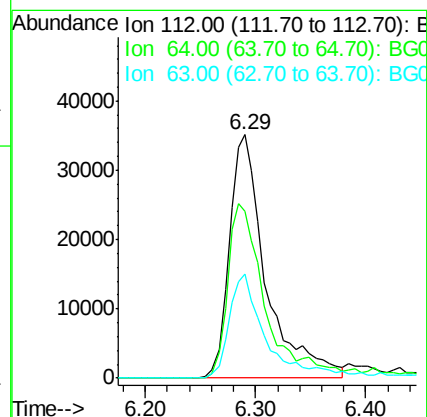
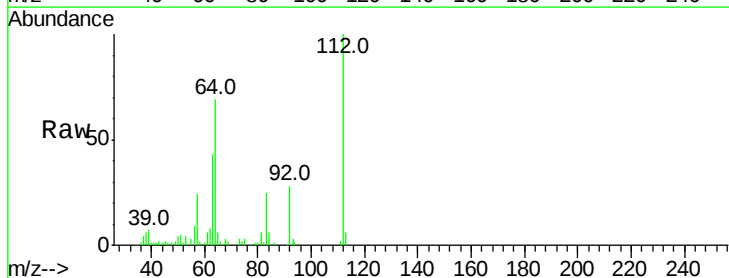
Tot Ion:152 Resp: 32446
Ion Ratio Lower Upper
152 100
150 148.7 126.6 189.8
115 66.7 53.0 79.4

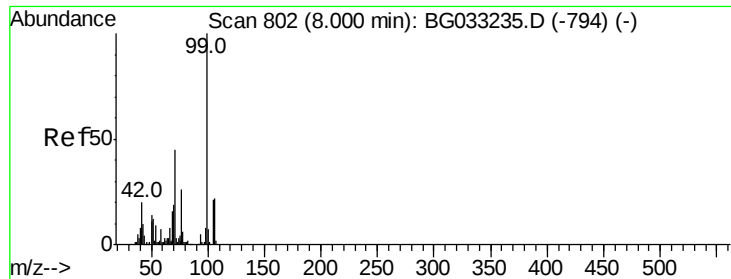


#5

2-Fluorophenol
Concen: 47.022 ng
RT: 6.29 min Scan# 511
Delta R.T. 0.00 min
Lab File: BG033618.D
Acq: 6 Apr 2018 7:29

Tgt Ion:112 Resp: 81365
Ion Ratio Lower Upper
112 100
64 68.6 56.3 84.5
63 42.5 30.1 45.1





#7

Phenol-d6

Concen: 25.066 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.01 min

Lab File: BG033618.D

Acq: 6 Apr 2018 7:29

Instrument :

BNA_F

ClientSampleId :

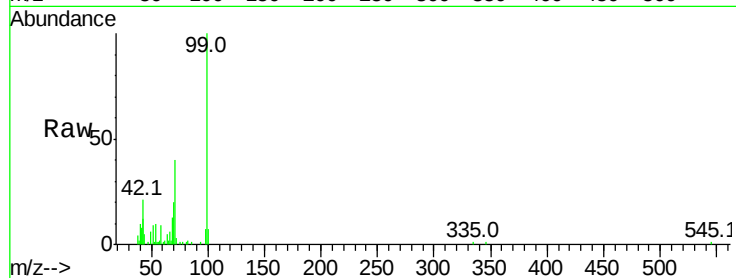
Tot Ion: 99 Resp: 74522

Ion Ratio Lower Upper

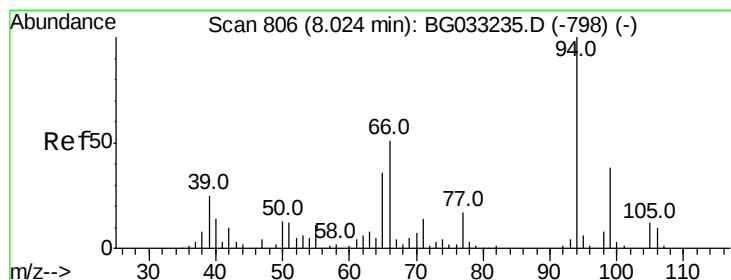
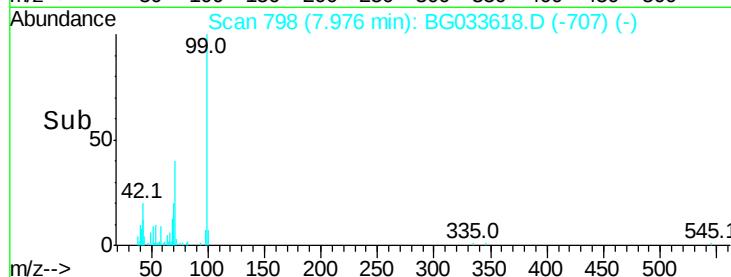
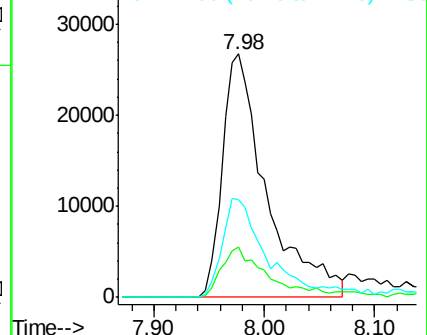
99 100

42 20.7 14.1 21.1

71 40.0 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



#10

Phenol

Concen: 2.413 ng

RT: 8.01 min Scan# 803

Delta R.T. 0.00 min

Lab File: BG033618.D

Acq: 6 Apr 2018 7:29

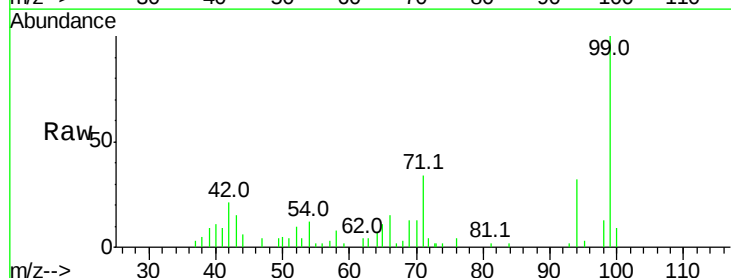
Tgt Ion: 94 Resp: 7084

Ion Ratio Lower Upper

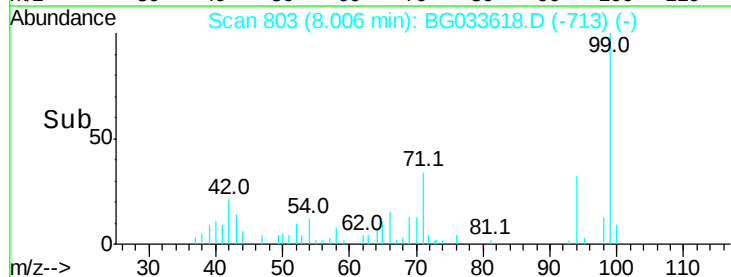
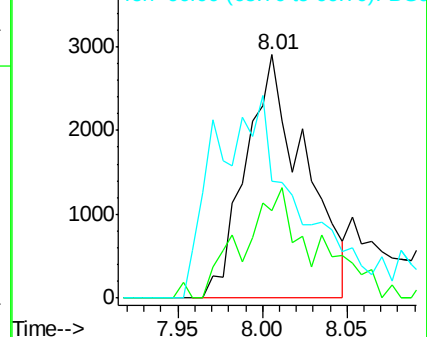
94 100

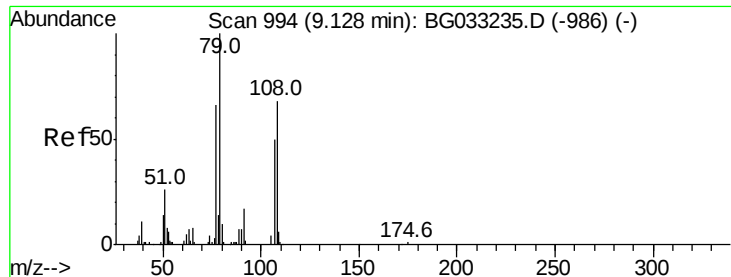
65 35.7 11.9 51.9

66 48.2 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: 2.233 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.10 min

Lab File: BG033618.D

Acq: 6 Apr 2018 7:29

Instrument :

BNA_F

ClientSampleId :

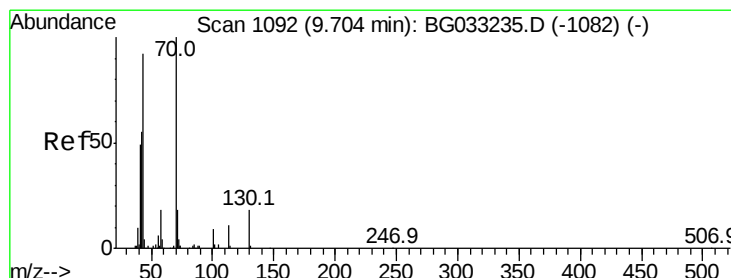
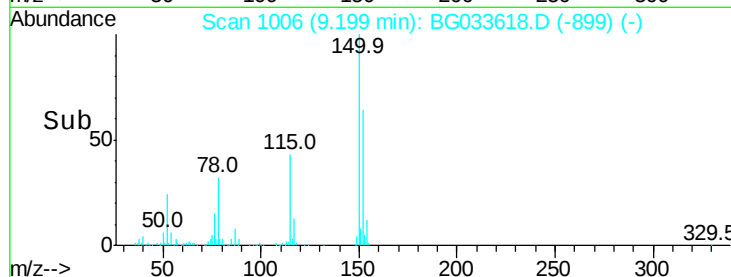
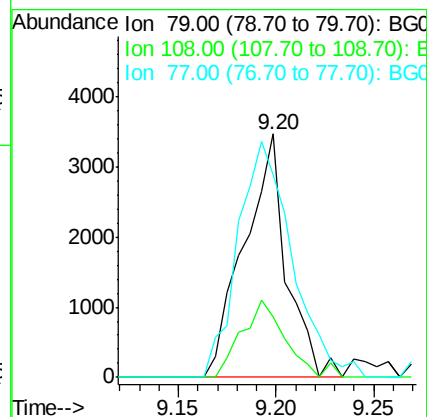
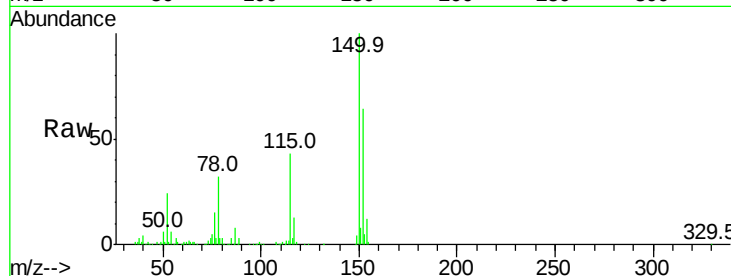
Tot Ion: 79 Resp: 5227

Ion Ratio Lower Upper

79 100

108 24.8 57.2 85.8#

77 83.4 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 21.633 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.39 min

Lab File: BG033618.D

Acq: 6 Apr 2018 7:29

Tgt Ion: 70 Resp: 47129

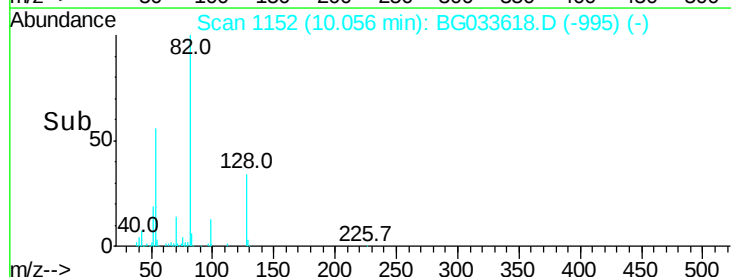
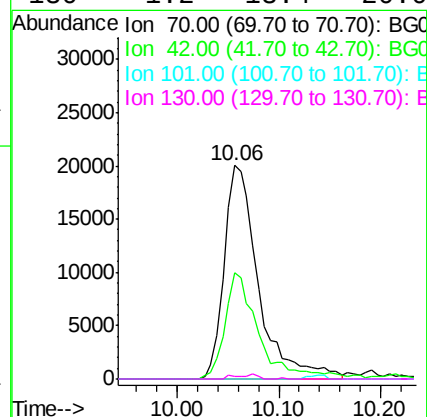
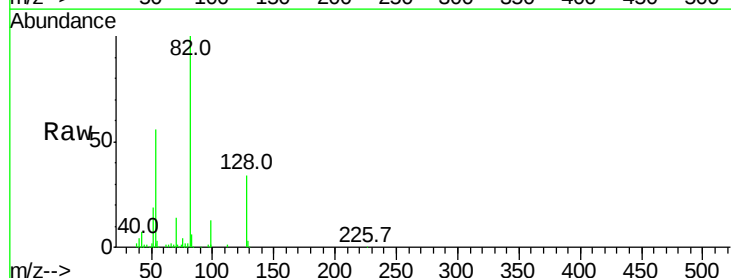
Ion Ratio Lower Upper

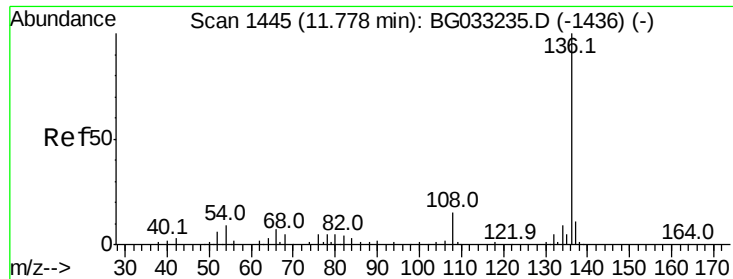
70 100

42 49.7 49.1 73.7

101 0.0 8.5 12.7#

130 1.2 13.4 20.0#

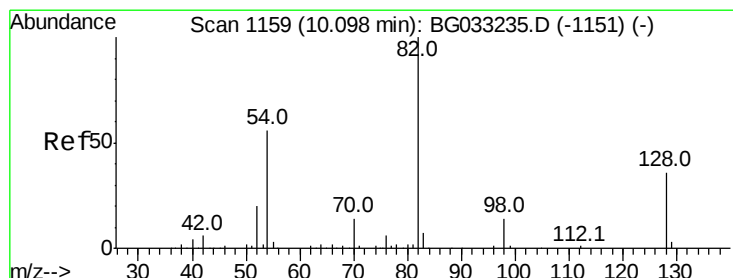
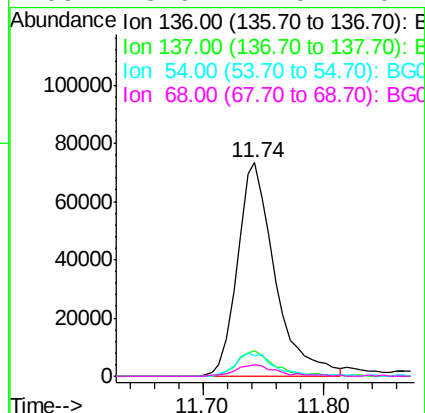
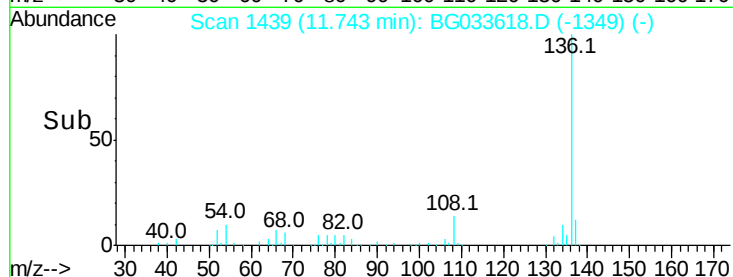
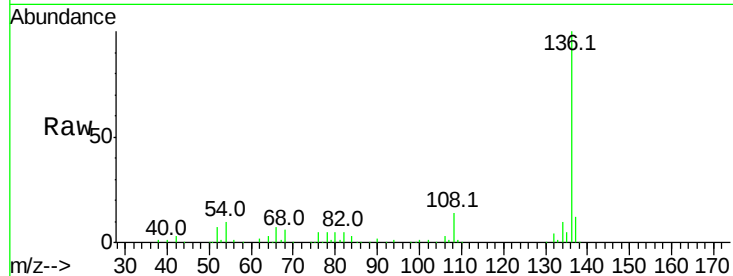




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BG033618.D
Acq: 6 Apr 2018 7:29

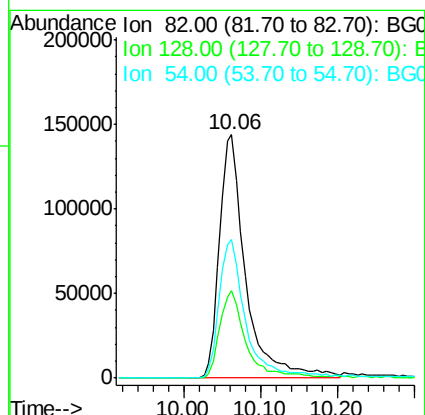
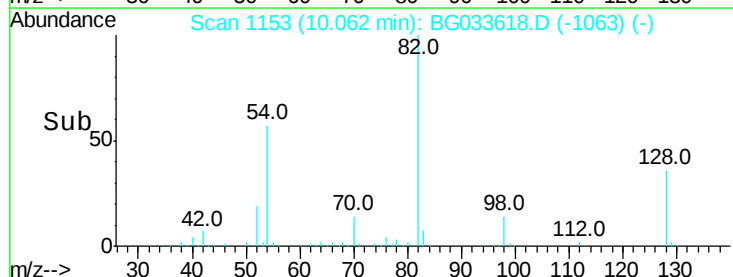
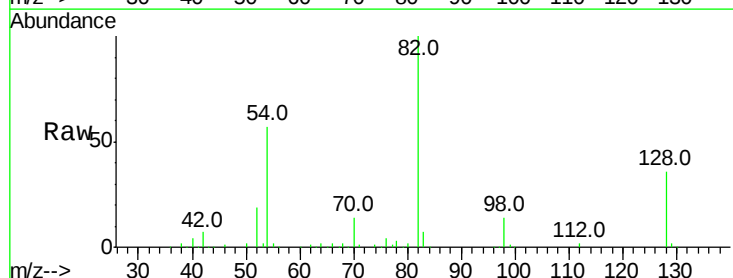
Instrument :
BNA_F
ClientSampleId :

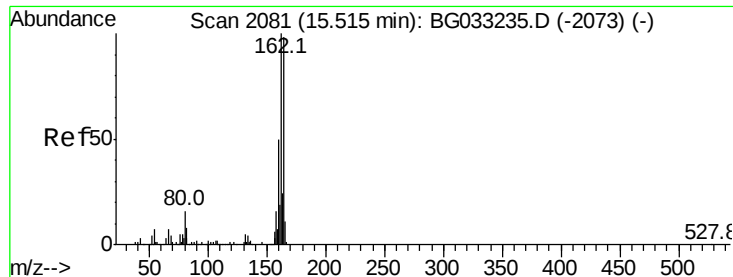
Tot Ion:136	Resp:	158667
Ion Ratio	Lower	Upper
136	100	
137	11.9	9.2 13.8
54	9.9	10.3 15.5#
68	5.6	4.5 6.7



#23
Nitrobenzene-d5
Concen: 98.425 ng
RT: 10.06 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BG033618.D
Acq: 6 Apr 2018 7:29

Tgt Ion: 82	Resp:	339908
Ion Ratio	Lower	Upper
82	100	
128	35.8	29.7 44.5
54	56.8	43.1 64.7

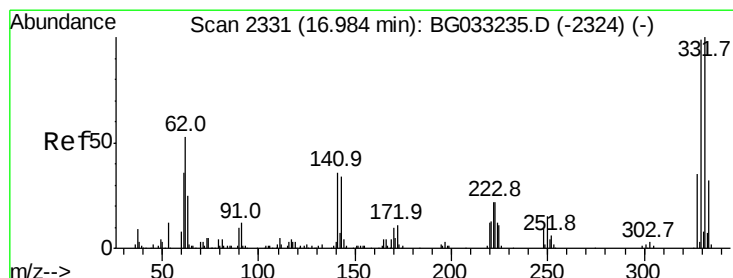
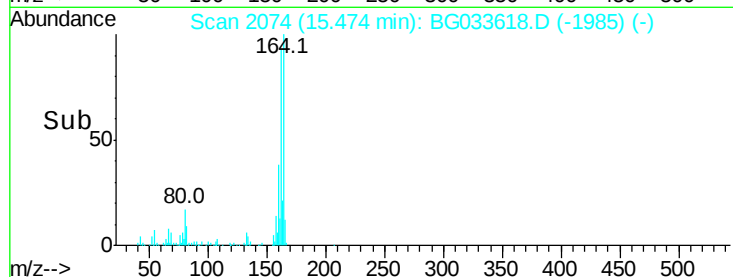
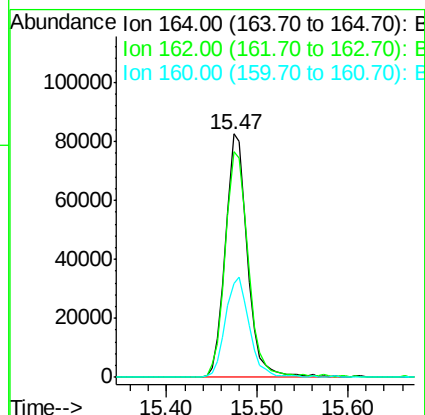
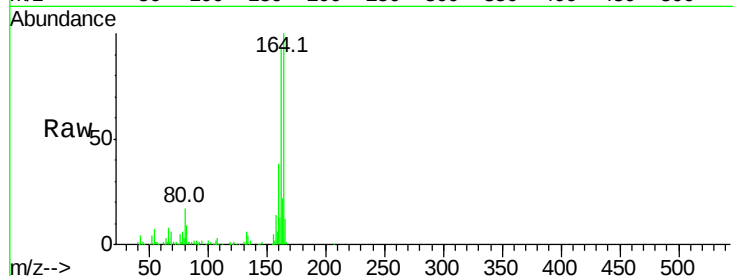




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.47 min Scan# 2074
Delta R.T. -0.01 min
Lab File: BG033618.D
Acq: 6 Apr 2018 7:29

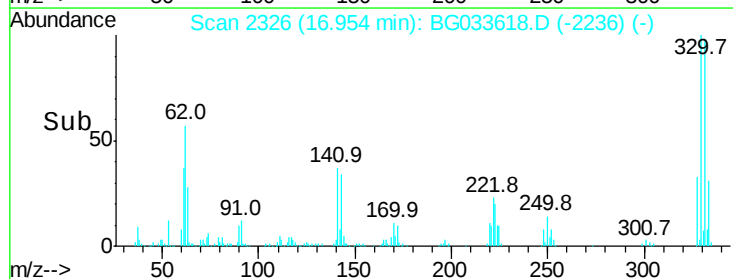
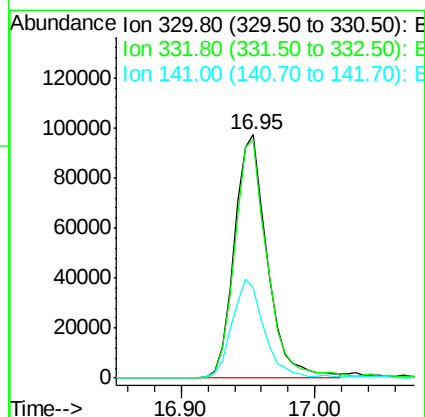
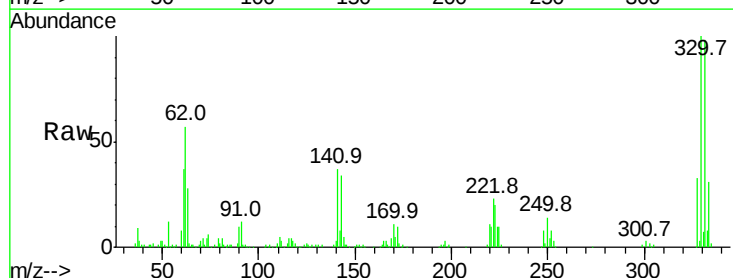
Instrument :
BNA_F
ClientSampleId :

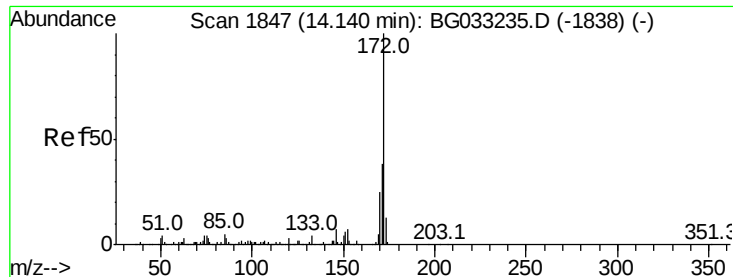
Tot Ion:164 Resp: 139416
Ion Ratio Lower Upper
164 100
162 92.8 78.8 118.2
160 38.4 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 79.726 ng
RT: 16.95 min Scan# 2326
Delta R.T. 0.00 min
Lab File: BG033618.D
Acq: 6 Apr 2018 7:29

Tgt Ion:330 Resp: 166240
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 39.6 25.2 37.8#





#44

2-Fluorobiphenyl

Concen: 90.940 ng

RT: 14.10 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BG033618.D

Acq: 6 Apr 2018 7:29

Instrument :

BNA_F

ClientSampleId :

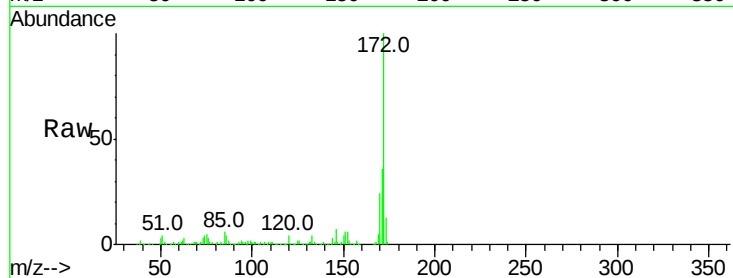
Tot Ion:172 Resp: 878236

Ion Ratio Lower Upper

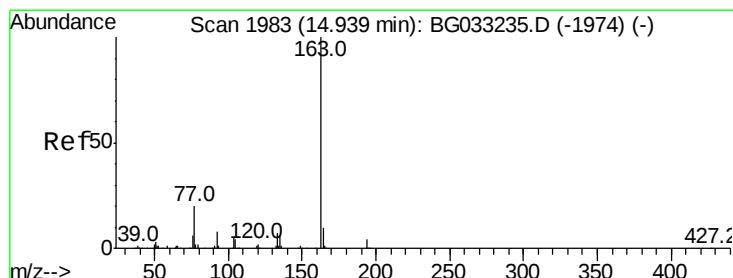
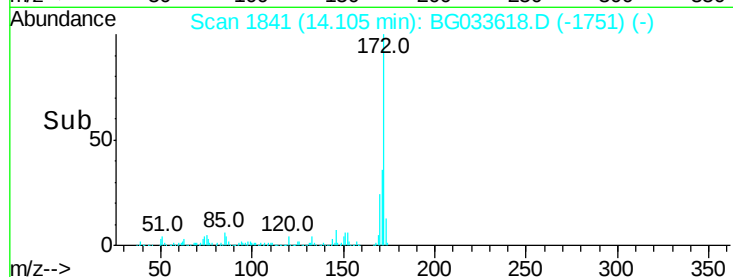
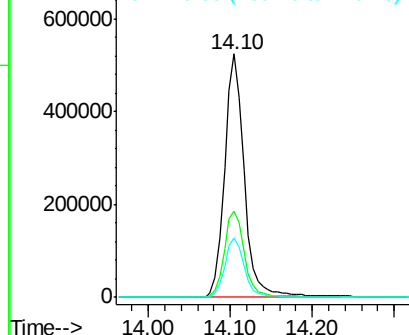
172 100

171 35.6 30.0 45.0

170 24.4 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



#49

Dimethylphthalate

Concen: 5.680 ng

RT: 14.90 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG033618.D

Acq: 6 Apr 2018 7:29

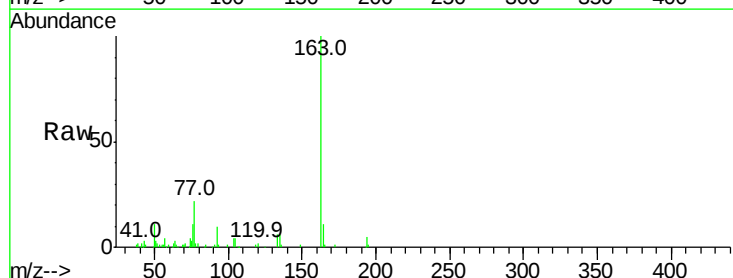
Tgt Ion:163 Resp: 68912

Ion Ratio Lower Upper

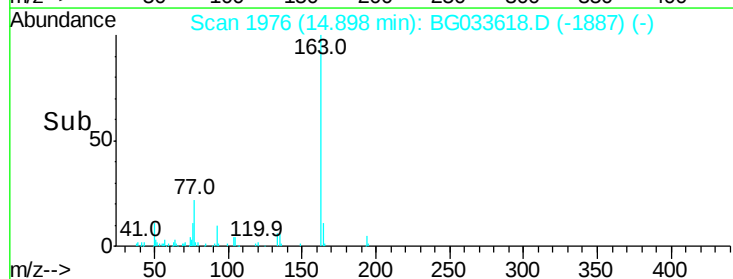
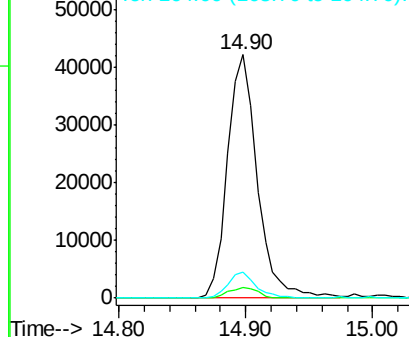
163 100

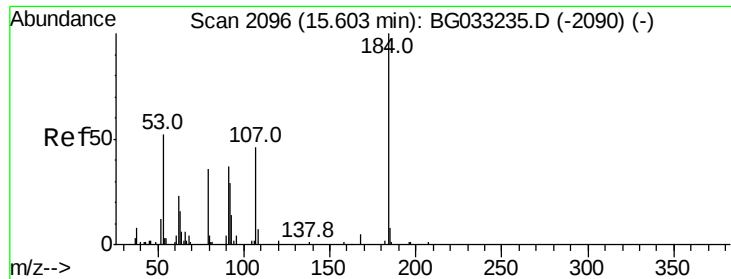
194 4.5 3.4 5.2

164 10.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

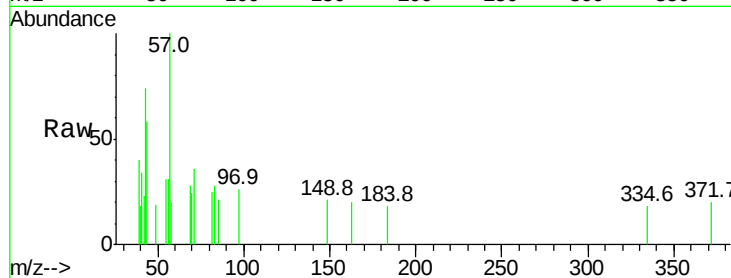




#53
2,4-Dinitrophenol
Concen: 7.682 ng
RT: 15.28 min Scan# 2041
Delta R.T. -0.30 min
Lab File: BG033618.D
Acq: 6 Apr 2018 7:29

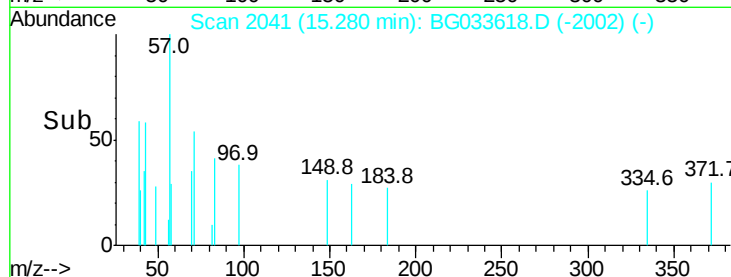
Instrument :
BNA_F
ClientSampleId :

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

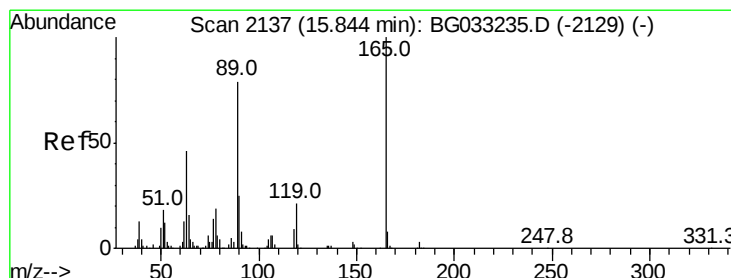


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

15.28

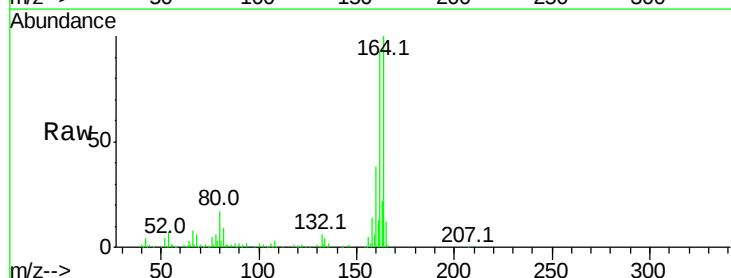


Time--> 15.26 15.28



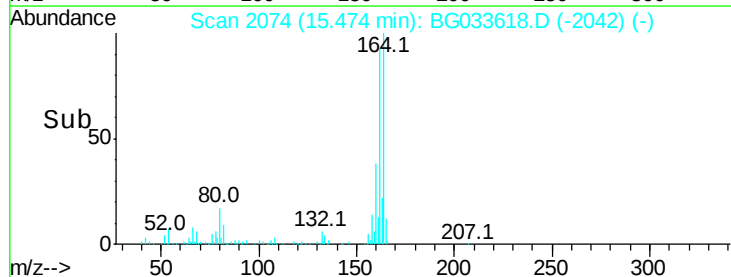
#56
2,4-Dinitrotoluene
Concen: 4.623 ng
RT: 15.47 min Scan# 2074
Delta R.T. -0.34 min
Lab File: BG033618.D
Acq: 6 Apr 2018 7:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	42.0	63.0#
89	1.9	66.9	100.3#
182	0.0	2.6	3.8#

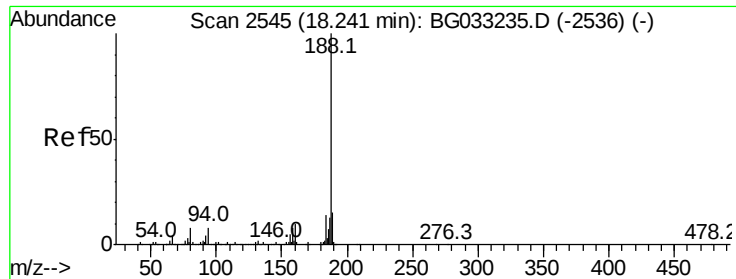


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

15.47



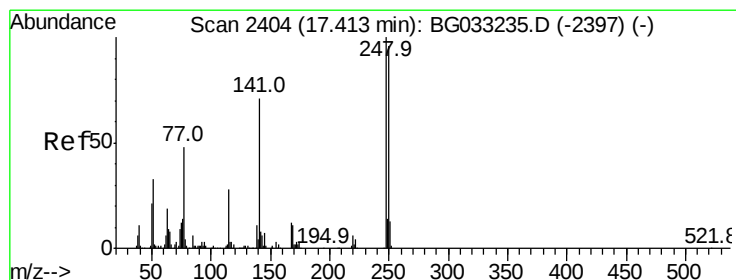
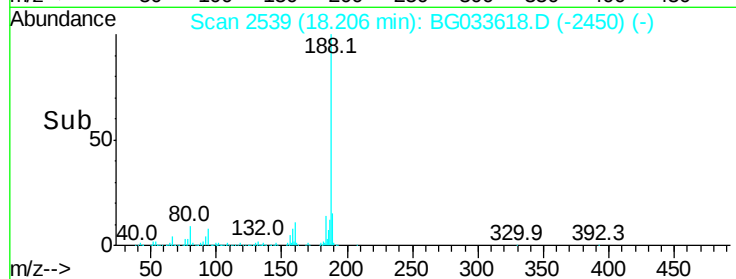
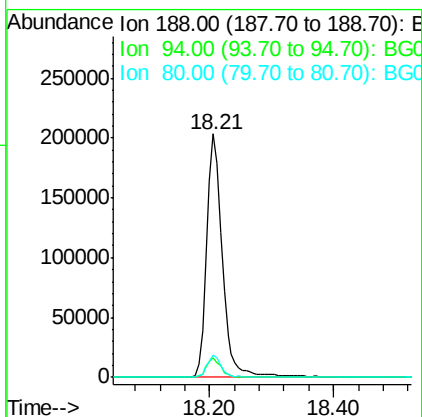
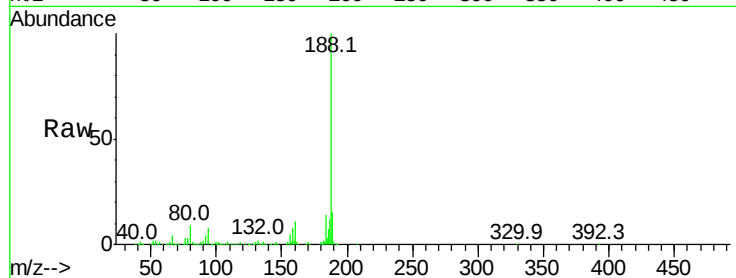
Time--> 15.40 15.45 15.50 15.55



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2539
 Delta R.T. -0.01 min
 Lab File: BG033618.D
 Acq: 6 Apr 2018 7:29

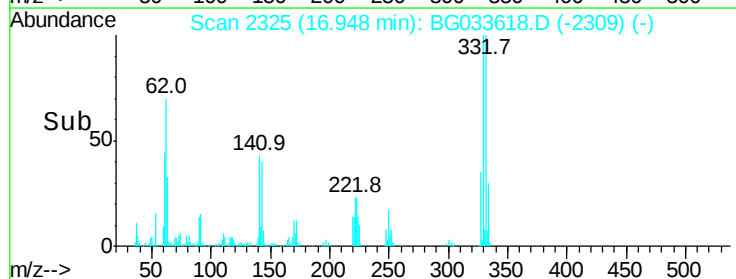
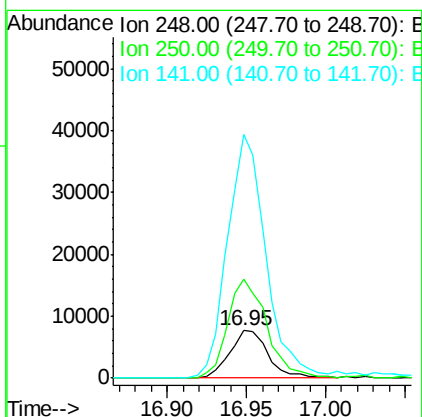
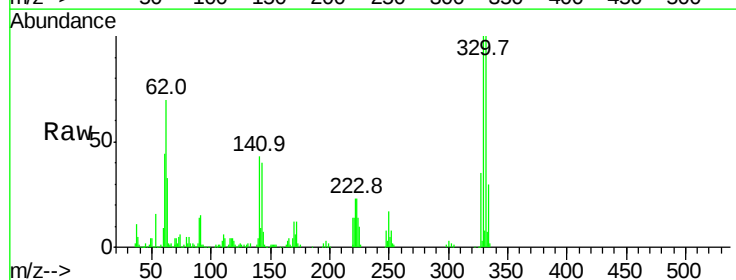
Instrument :
 BNA_F
 ClientSampled :

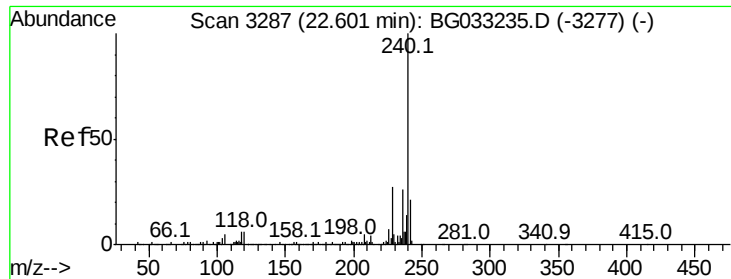
Tot Ion:188 Resp: 354206
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.9 10.3
 80 9.0 7.7 11.5



#66
 4-Bromophenyl-phenylether
 Concen: 3.097 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.43 min
 Lab File: BG033618.D
 Acq: 6 Apr 2018 7:29

Tgt Ion:248 Resp: 12885
 Ion Ratio Lower Upper
 248 100
 250 150.2 77.1 115.7#
 141 371.6 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033618.D

Acq: 6 Apr 2018 7:29

Instrument :

BNA_F

ClientSampleId :

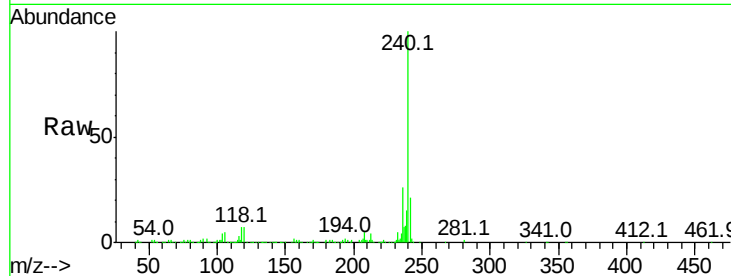
Tot Ion:240 Resp: 352728

Ion Ratio Lower Upper

240 100

120 6.6 6.8 10.2#

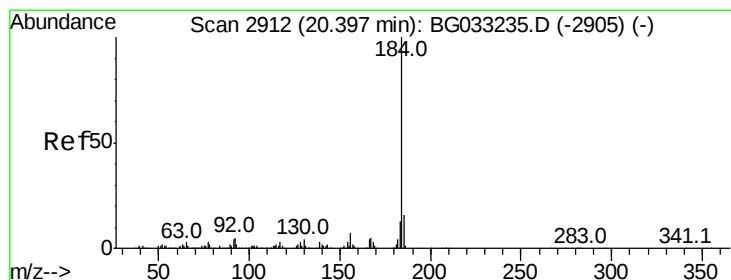
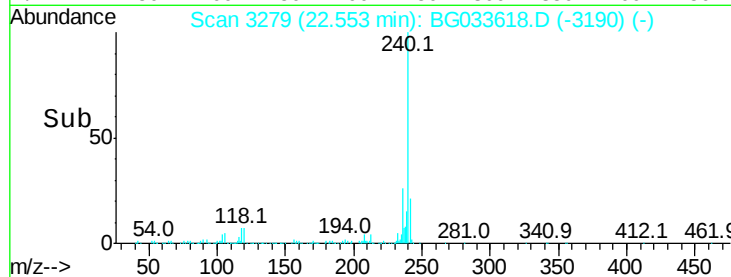
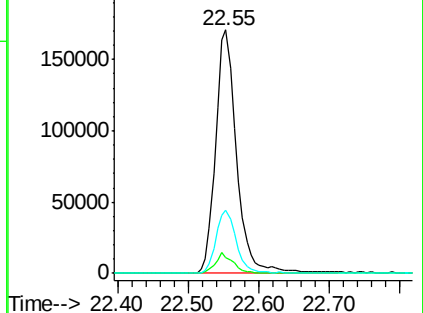
236 26.0 20.9 31.3



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: 2.664 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033618.D

Acq: 6 Apr 2018 7:29

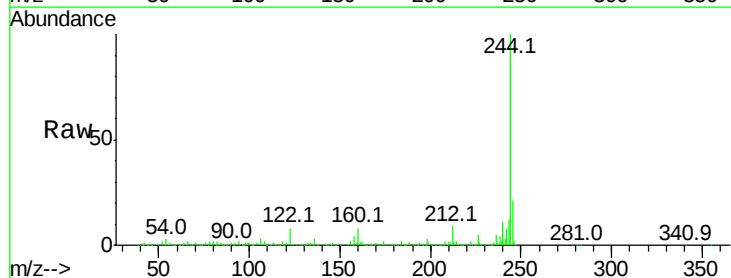
Tgt Ion:184 Resp: 25483

Ion Ratio Lower Upper

184 100

185 18.5 11.1 16.7#

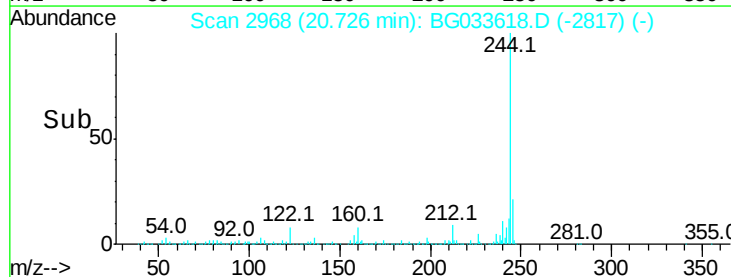
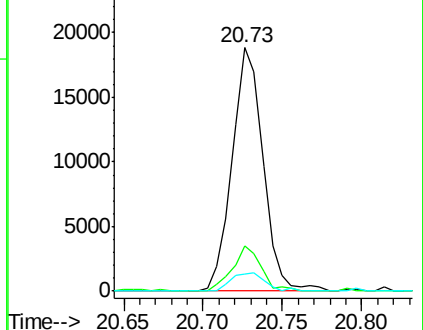
183 7.2 10.6 16.0#

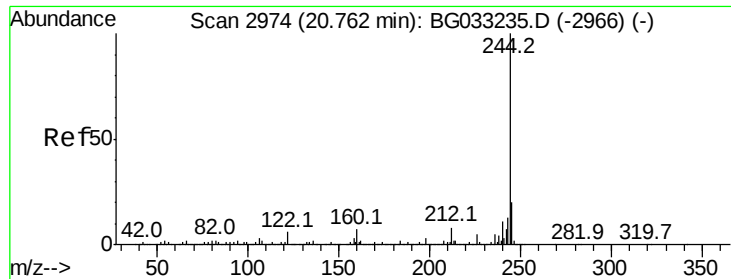


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

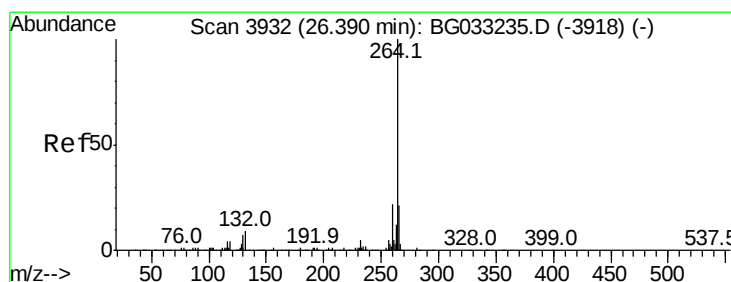
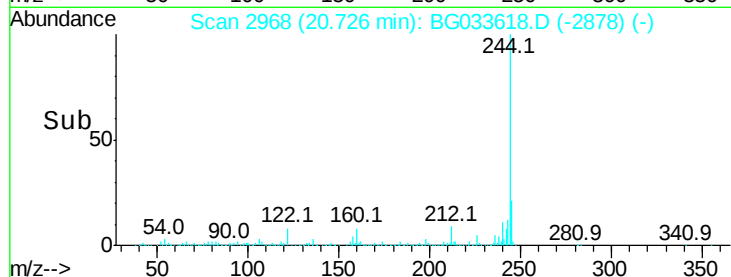
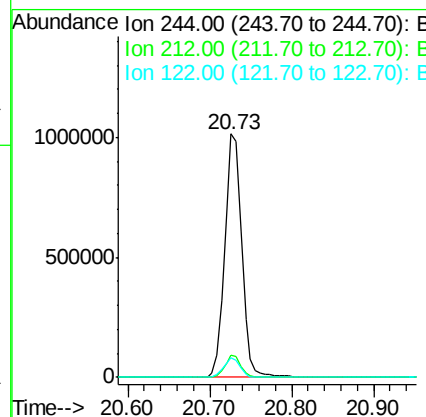
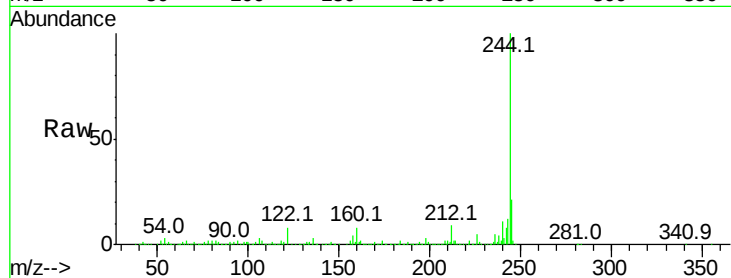




#78
 Terphenyl-d14
 Concen: 89.567 ng
 RT: 20.73 min Scan# 2968
 Delta R.T. 0.00 min
 Lab File: BG033618.D
 Acq: 6 Apr 2018 7:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1477255
 Ion Ratio Lower Upper
 244 100
 212 8.9 5.8 8.8#
 122 8.1 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.31 min Scan# 3919
 Delta R.T. -0.01 min
 Lab File: BG033618.D
 Acq: 6 Apr 2018 7:29

Tgt Ion:264 Resp: 355368
 Ion Ratio Lower Upper
 264 100
 260 22.1 17.4 26.0
 265 19.7 17.7 26.5

