

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\
 Data File : BG033617.D
 Acq On : 6 Apr 2018 6:51
 Operator : SJ/JU
 Sample : J2224-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 06 08:09:24 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	31445	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	148904	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	123156	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	319026	20.00	ng	0.00
75) Chrysene-d12	22.55	240	321586	20.00	ng	-0.01
86) Perylene-d12	26.31	264	324762	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	6.28	112	84909	50.63	ng	0.00
7) Phenol-d6	7.98	99	87644	30.42	ng	0.00
23) Nitrobenzene-d5	10.06	82	313579	96.75	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	153089	83.11	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	831243	97.44	ng	0.00
78) Terphenyl-d14	20.73	244	1423880	94.69	ng	0.00

Target Compounds

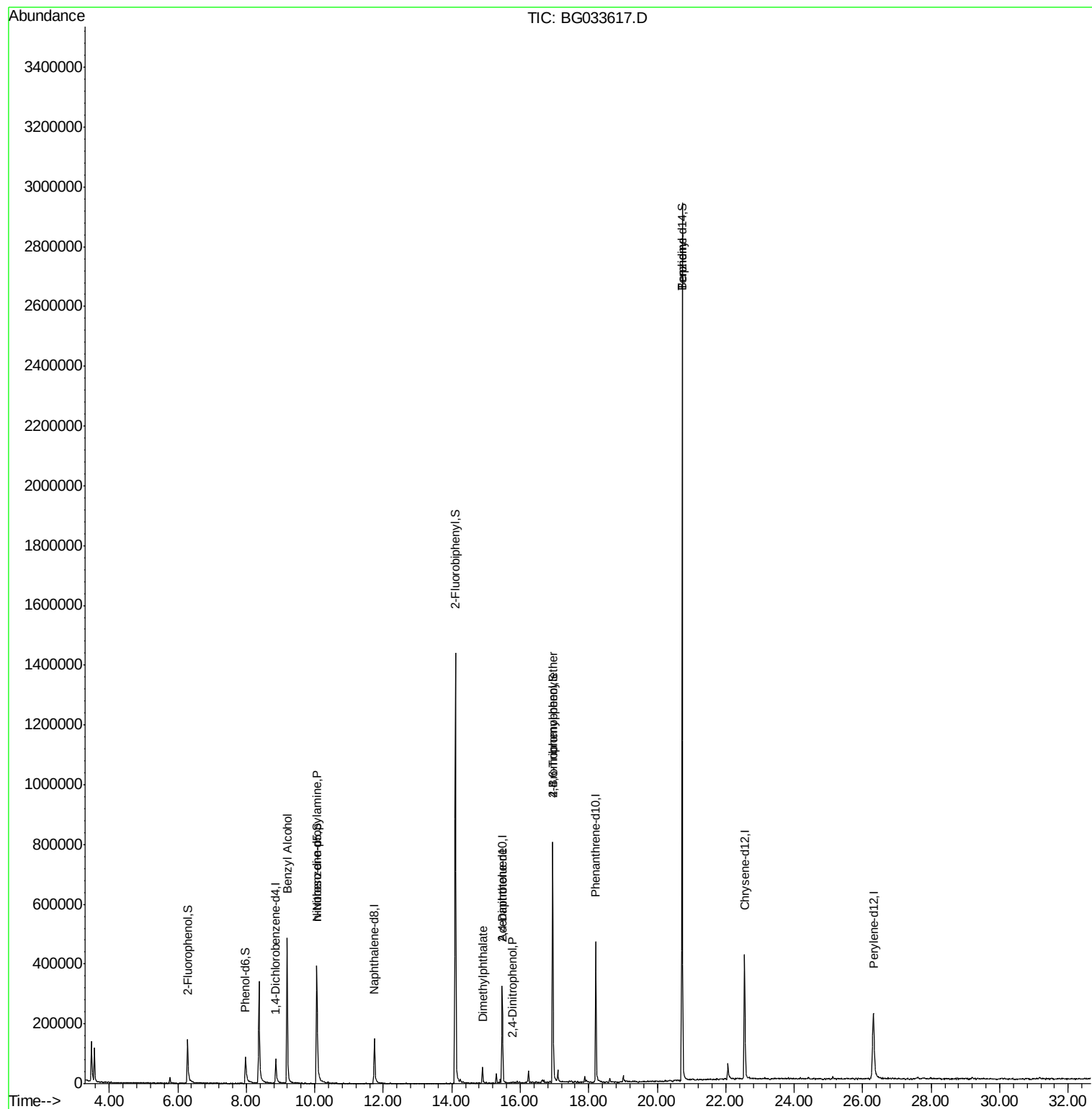
						Qvalue
15) Benzyl Alcohol	9.19	79	5211	2.297	ng	# 41
19) n-Nitroso-di-n-propylamine	10.06	70	42612	20.182	ng	# 71
49) Dimethylphthalate	14.90	163	35814	3.342	ng	# 97
53) 2,4-Dinitrophenol	15.78	184	67	7.696	ng	# 1
56) 2,4-Dinitrotoluene	15.47	165	15419	4.778	ng	# 21
66) 4-Bromophenyl-phenylether	16.95	248	12097	3.229	ng	# 1
76) Benzidine	20.73	184	24696	2.832	ng	# 96

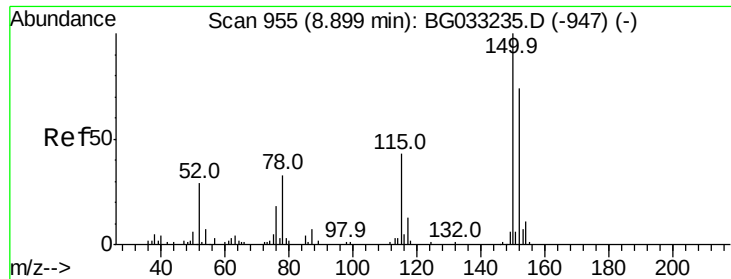
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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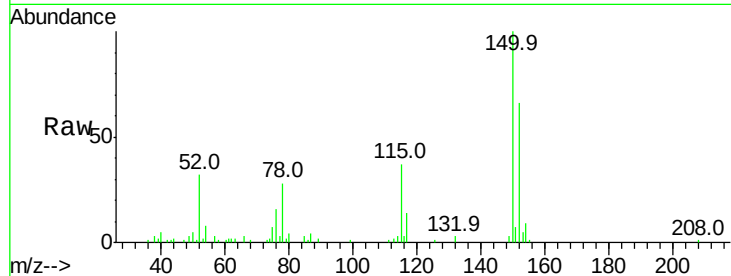


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. 0.00 min
Lab File: BG033617.D
Acq: 6 Apr 2018 6:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	126.6	189.8
115	55.5	53.0	79.4

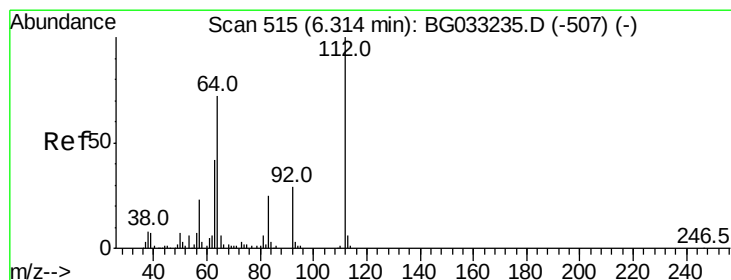
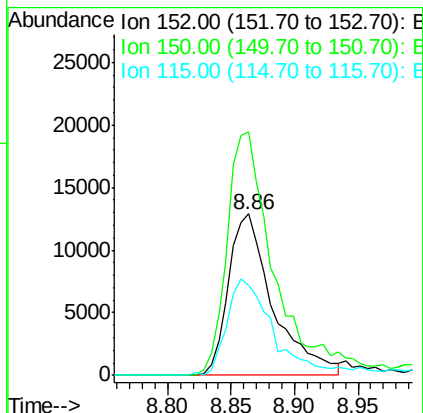
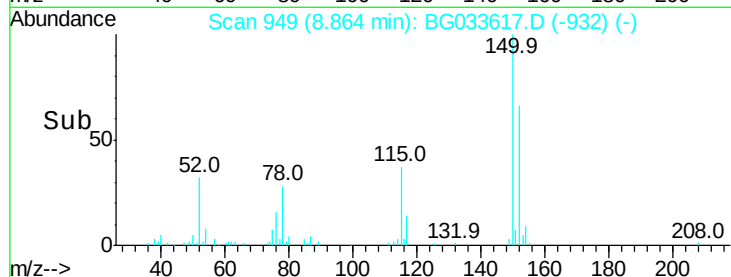


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

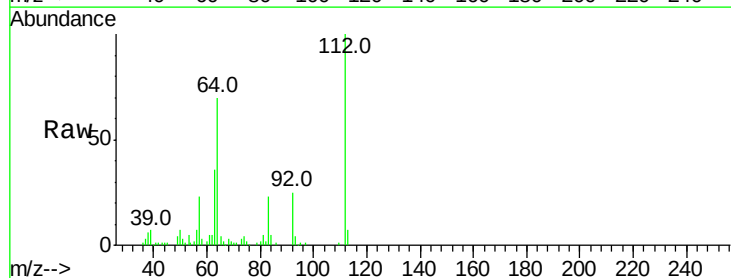
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.633 ng
RT: 6.28 min Scan# 510
Delta R.T. -0.01 min
Lab File: BG033617.D
Acq: 6 Apr 2018 6:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	56.3	84.5
63	35.8	30.1	45.1

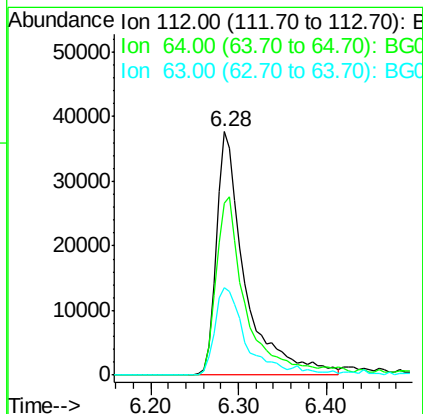
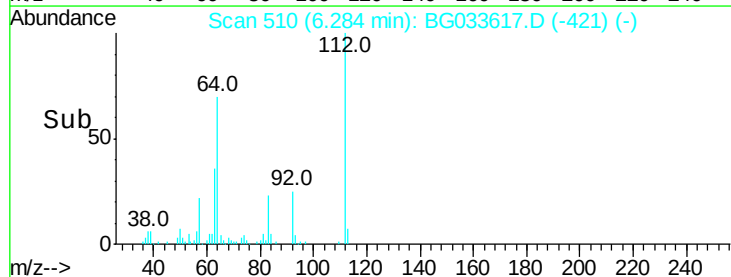


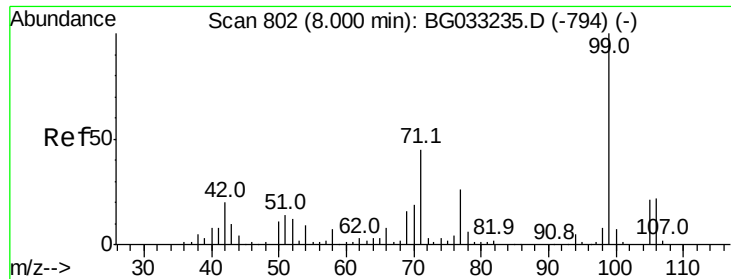
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 30.418 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.01 min

Lab File: BG033617.D

Acq: 6 Apr 2018 6:51

Instrument :

BNA_F

ClientSampleId :

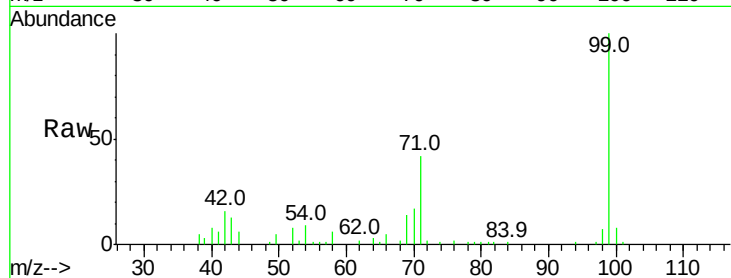
Tot Ion: 99 Resp: 87644

Ion Ratio Lower Upper

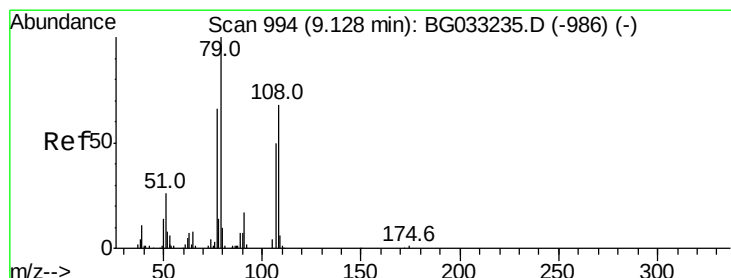
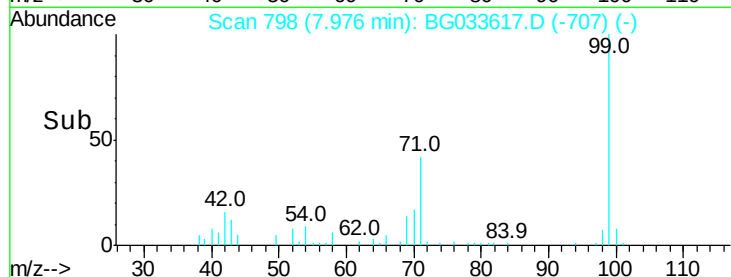
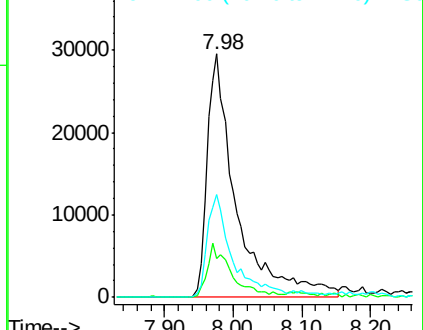
99 100

42 16.1 14.1 21.1

71 42.4 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



#15

Benzyl Alcohol

Concen: 2.297 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BG033617.D

Acq: 6 Apr 2018 6:51

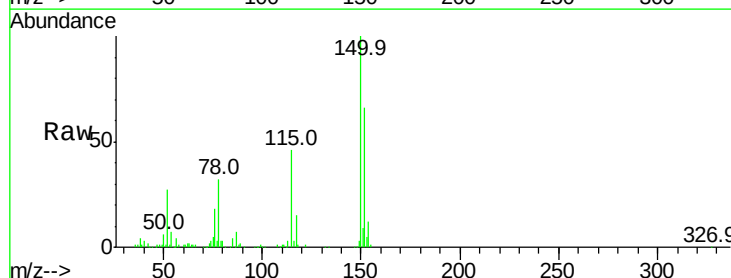
Tgt Ion: 79 Resp: 5211

Ion Ratio Lower Upper

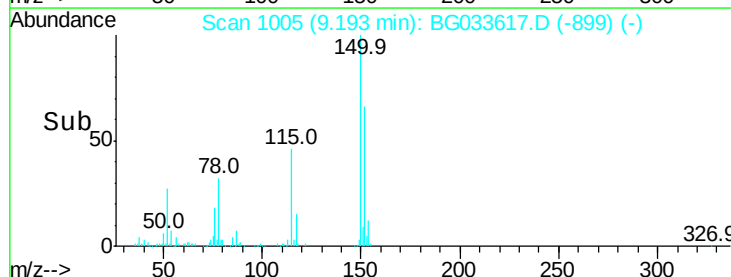
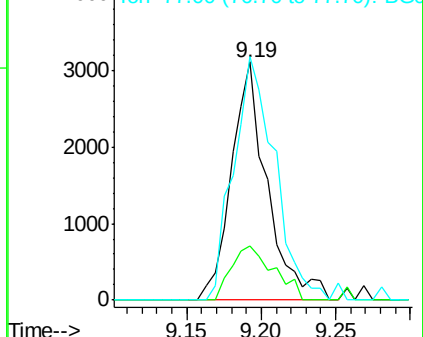
79 100

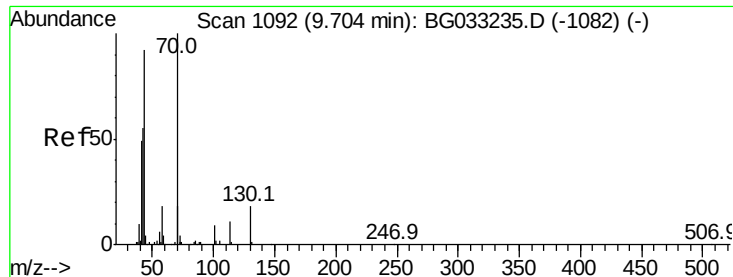
108 22.8 57.2 85.8#

77 102.3 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

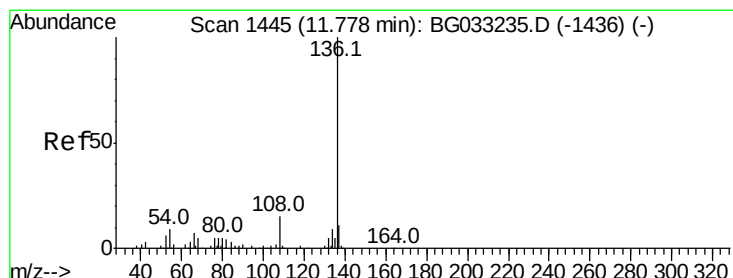
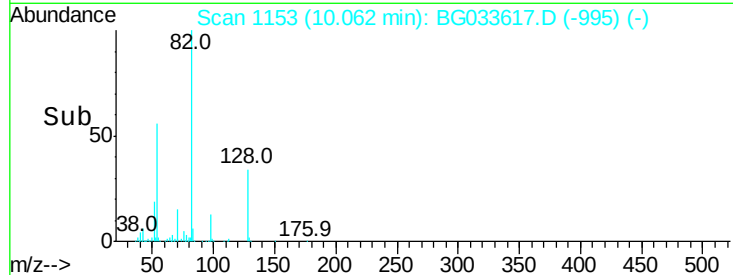
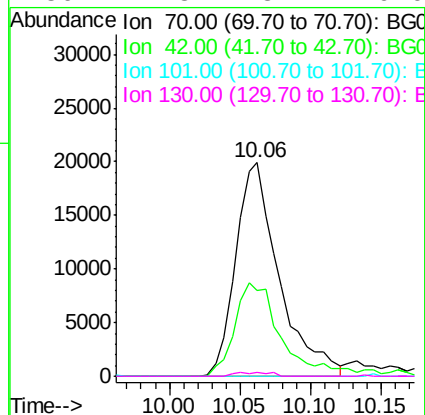
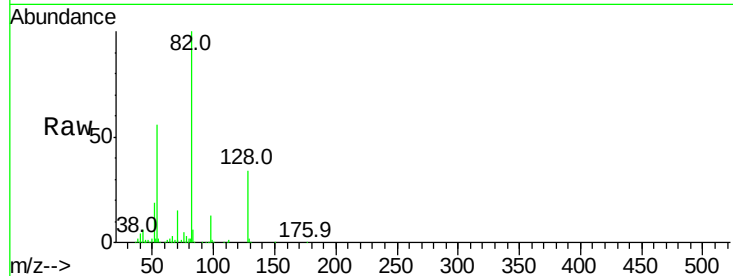




#19
n-Nitroso-di-n-propylamine
Concen: 20.182 ng
RT: 10.06 min Scan# 1153
Delta R.T. 0.40 min
Lab File: BG033617.D
Acq: 6 Apr 2018 6:51

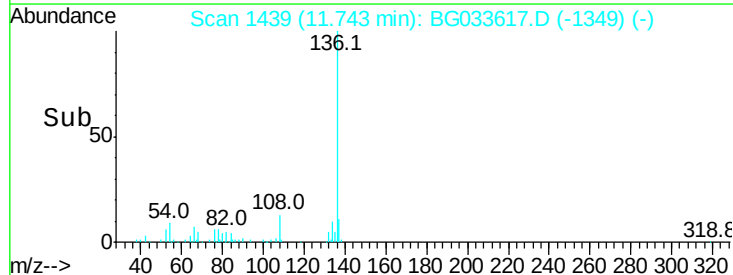
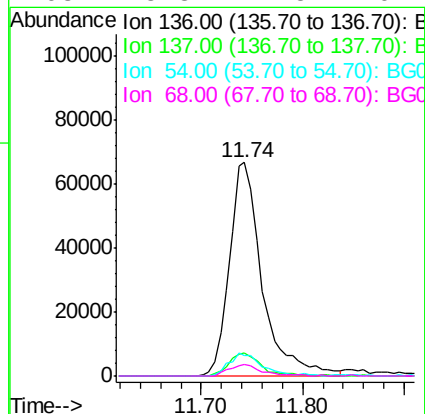
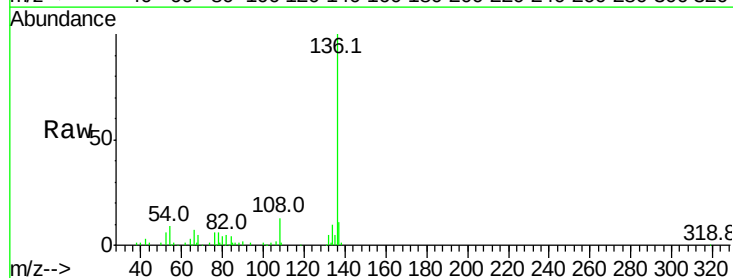
Instrument :
BNA_F
ClientSampleId :

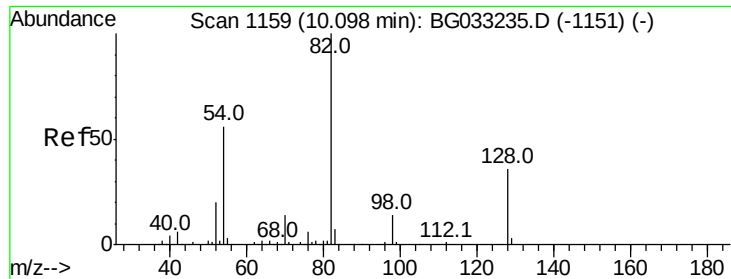
Tot Ion:	70	Resp:	42612
Ion	Ratio	Lower	Upper
70	100		
42	40.0	49.1	73.7#
101	0.0	8.5	12.7#
130	1.8	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BG033617.D
Acq: 6 Apr 2018 6:51

Tgt Ion:	136	Resp:	148904
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	9.4	10.3	15.5#
68	5.3	4.5	6.7





#23

Nitrobenzene-d5

Concen: 96.754 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BG033617.D

Acq: 6 Apr 2018 6:51

Instrument :

BNA_F

ClientSampled :

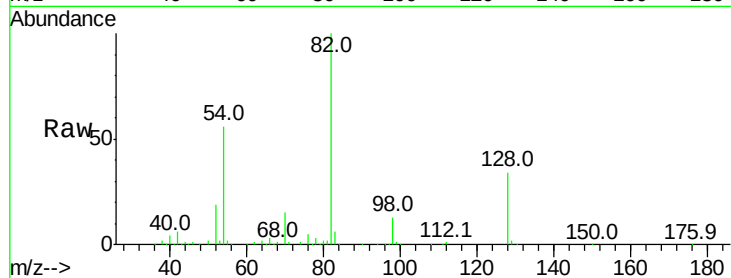
Tot Ion: 82 Resp: 313579

Ion Ratio Lower Upper

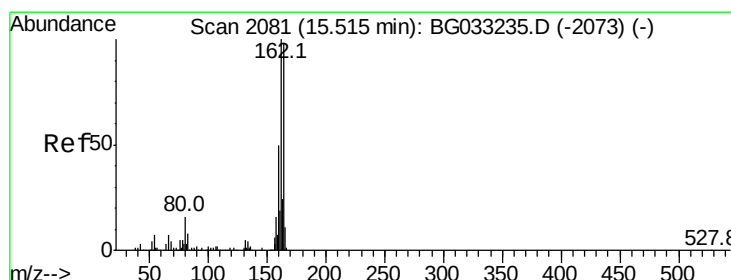
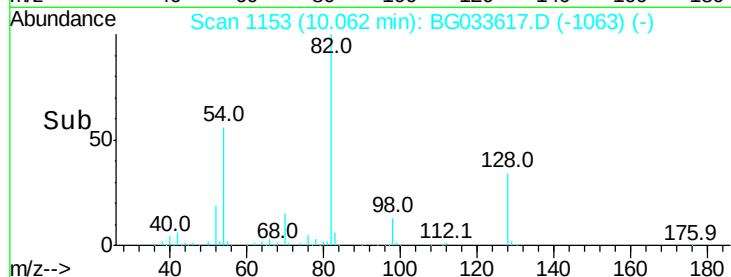
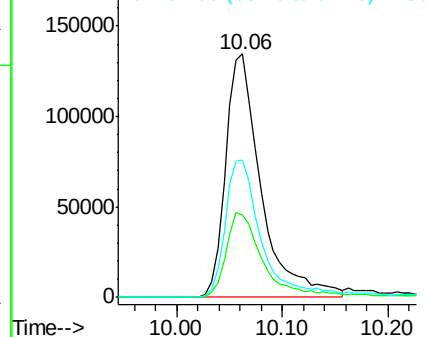
82 100

128 33.8 29.7 44.5

54 56.4 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: 15.47 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BG033617.D

Acq: 6 Apr 2018 6:51

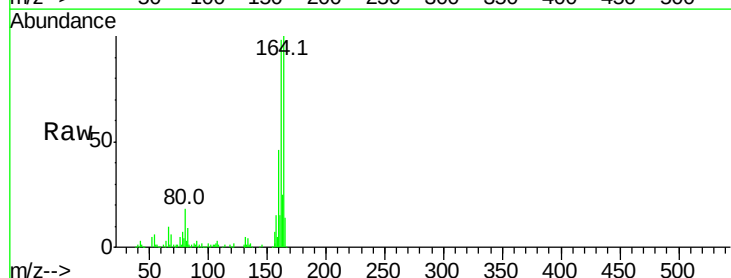
Tgt Ion:164 Resp: 123156

Ion Ratio Lower Upper

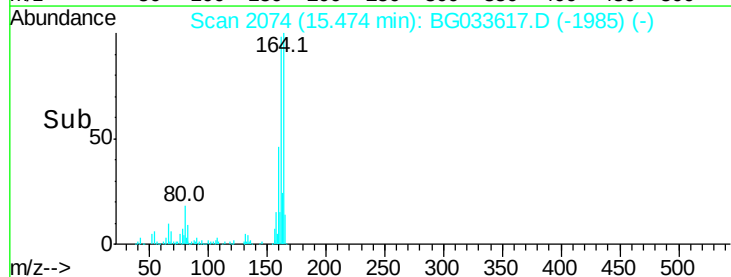
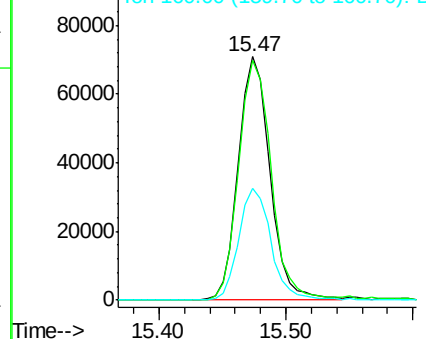
164 100

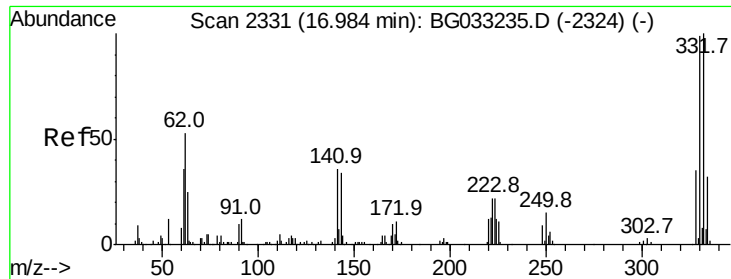
162 98.4 78.8 118.2

160 46.1 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

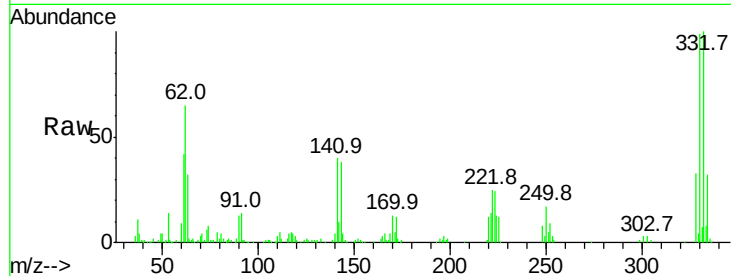




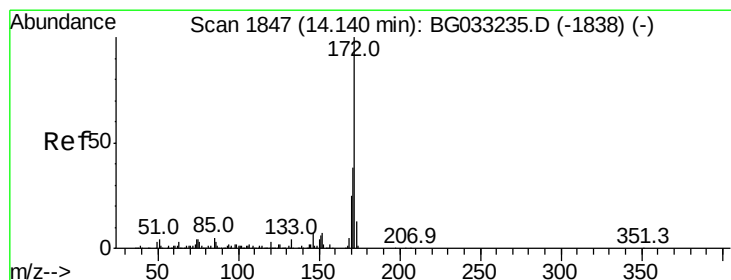
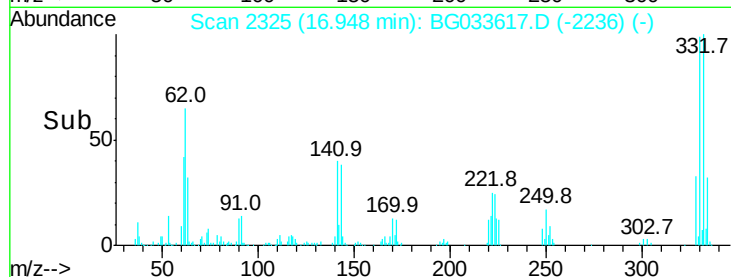
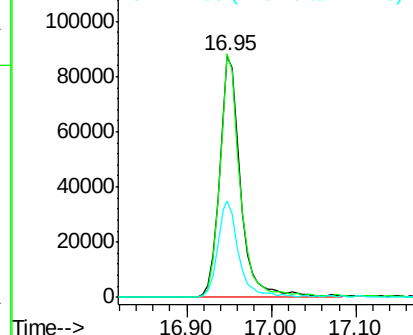
#41
 2,4,6-Tribromophenol
 Concen: 83.113 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: BG033617.D
 Acq: 6 Apr 2018 6:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 153089
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 40.0 25.2 37.8#

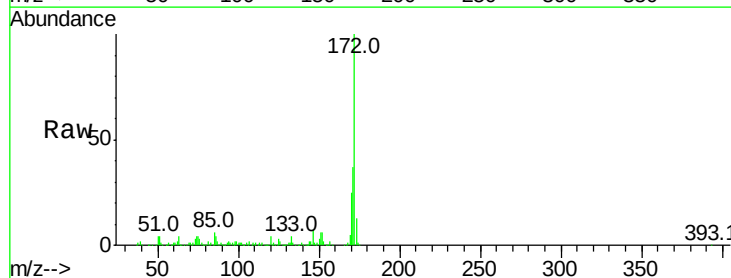


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

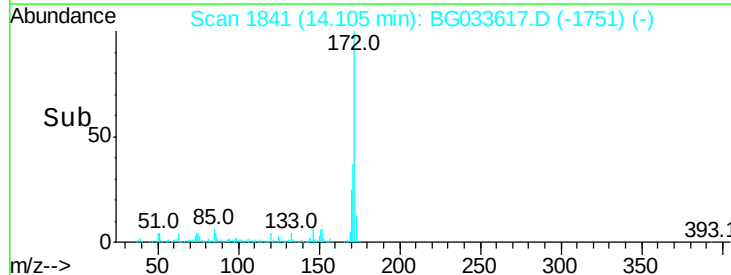
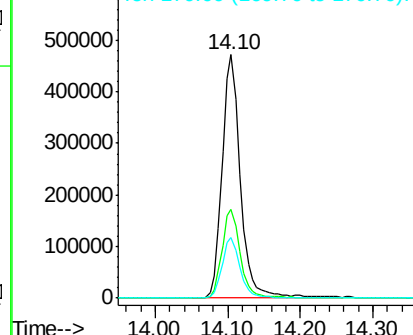


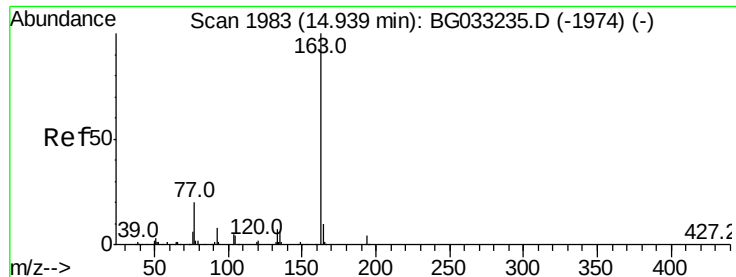
#44
 2-Fluorobiphenyl
 Concen: 97.438 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BG033617.D
 Acq: 6 Apr 2018 6:51

Tgt Ion:172 Resp: 831243
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.0 45.0
 170 24.6 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

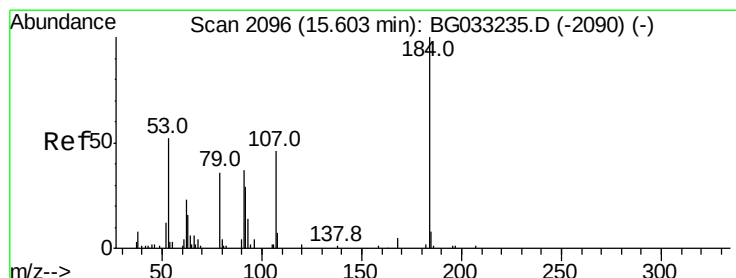
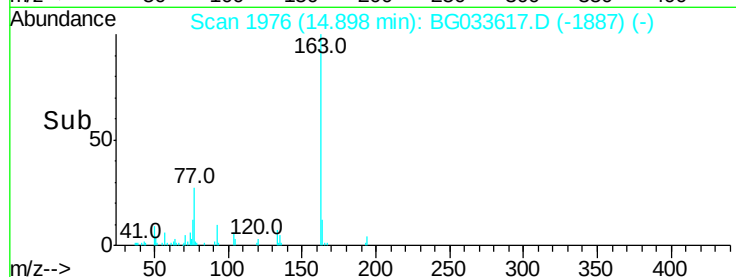
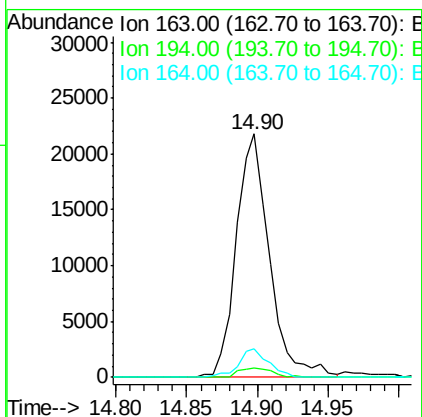
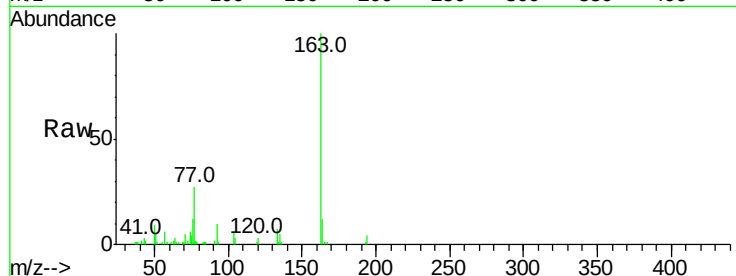




#49
Dimethylphthalate
Concen: 3.342 ng
RT: 14.90 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BG033617.D
Acq: 6 Apr 2018 6:51

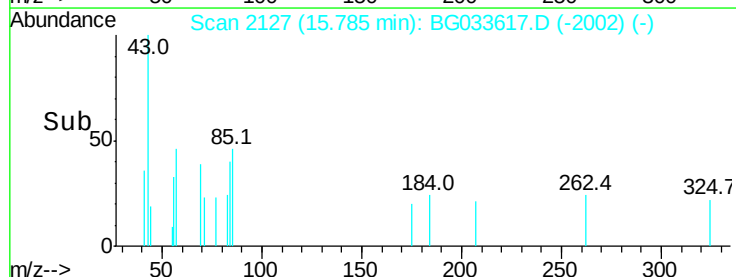
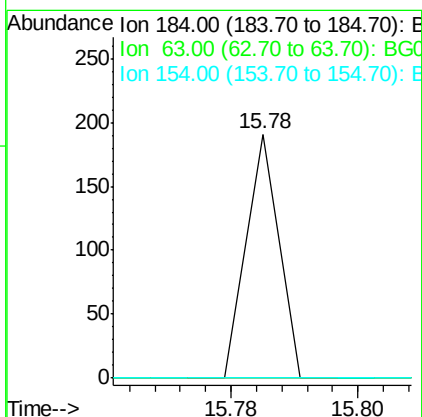
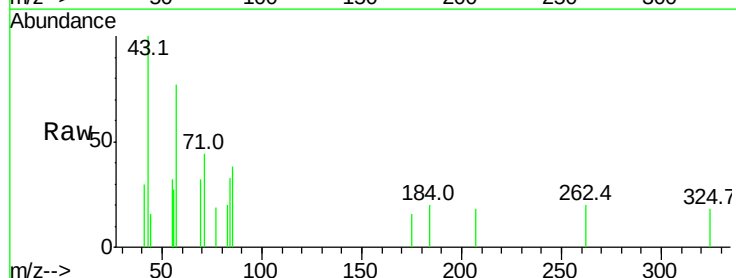
Instrument :
BNA_F
ClientSampleId :

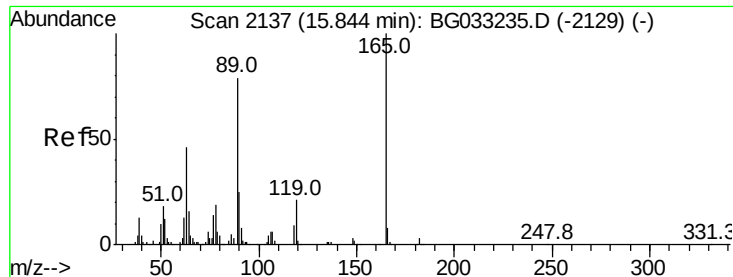
Tot Ion:163 Resp: 35814
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 11.5 8.2 12.4



#53
2,4-Dinitrophenol
Concen: 7.696 ng
RT: 15.78 min Scan# 2127
Delta R.T. 0.21 min
Lab File: BG033617.D
Acq: 6 Apr 2018 6:51

Tgt Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

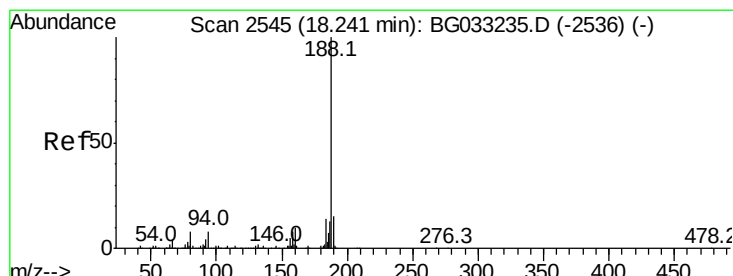
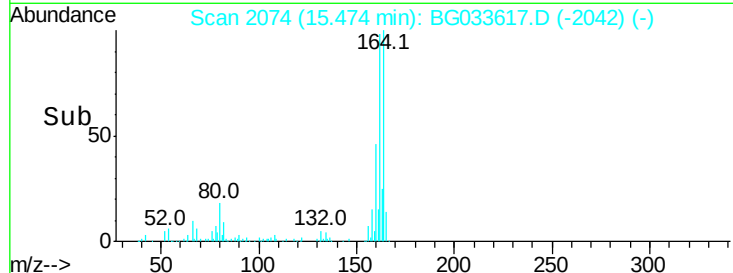
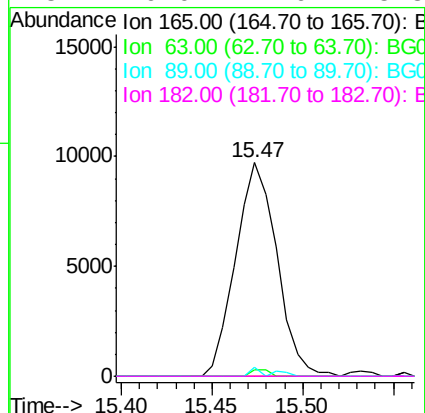
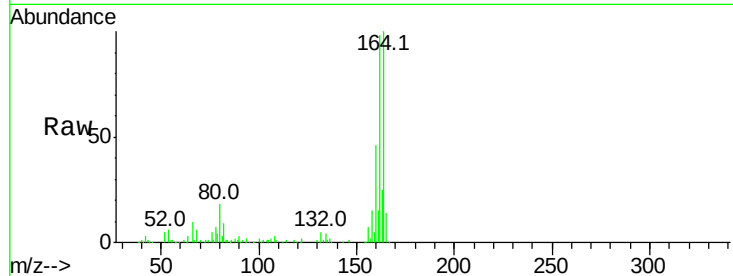




#56
 2,4-Dinitrotoluene
 Concen: 4.778 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. -0.34 min
 Lab File: BG033617.D
 Acq: 6 Apr 2018 6:51

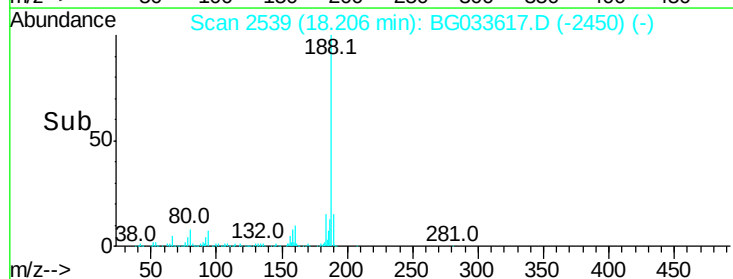
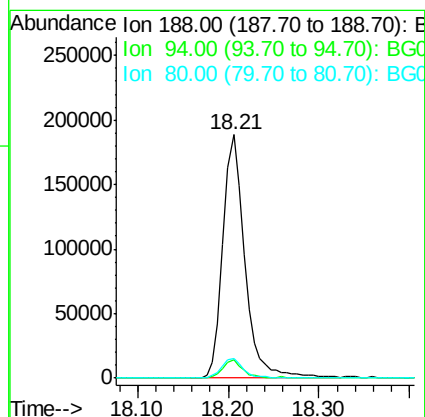
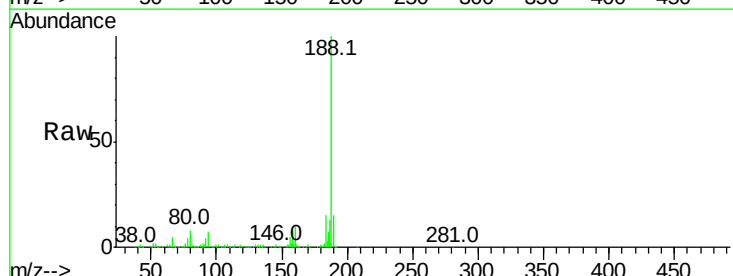
Instrument :
 BNA_F
 ClientSampleId :

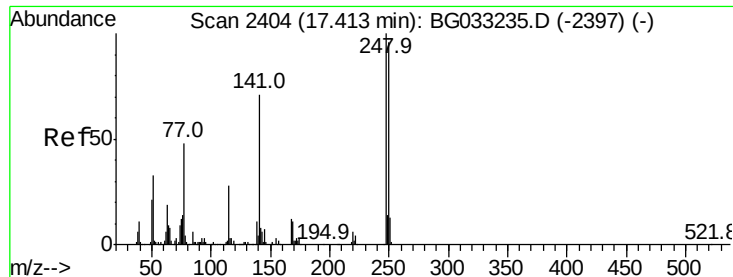
Tot Ion:165 Resp: 15419
 Ion Ratio Lower Upper
 165 100
 63 3.0 42.0 63.0#
 89 4.2 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2539
 Delta R.T. -0.01 min
 Lab File: BG033617.D
 Acq: 6 Apr 2018 6:51

Tgt Ion:188 Resp: 319026
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.9 10.3
 80 8.0 7.7 11.5

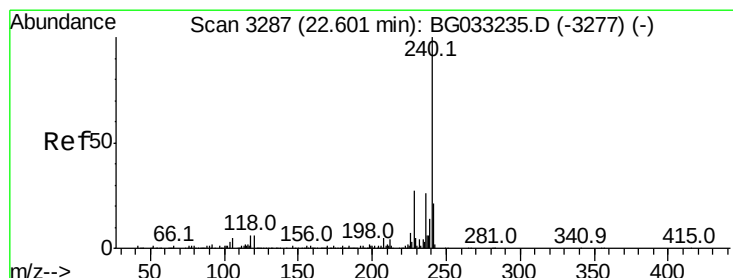
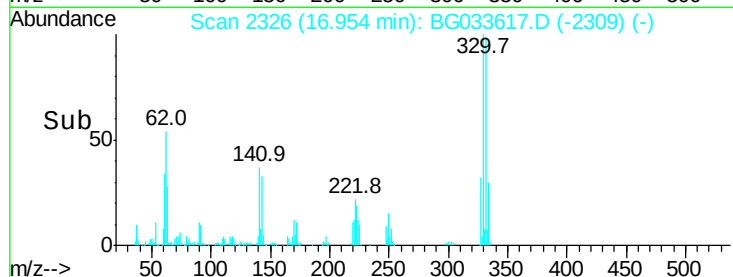
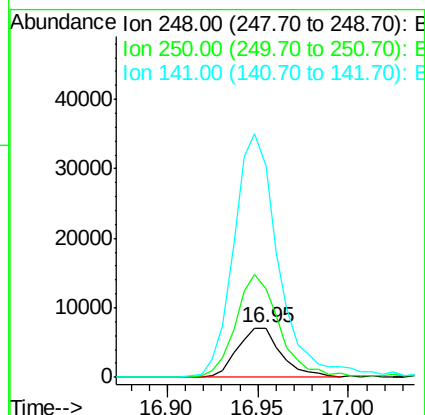
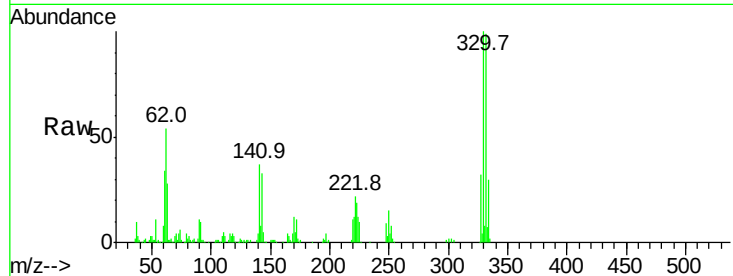




#66
 4-Bromophenyl-phenylether
 Concen: 3.229 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.43 min
 Lab File: BG033617.D
 Acq: 6 Apr 2018 6:51

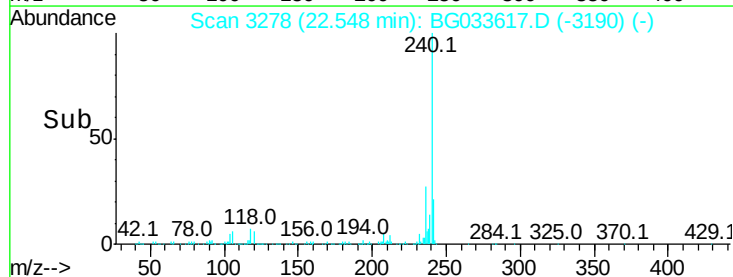
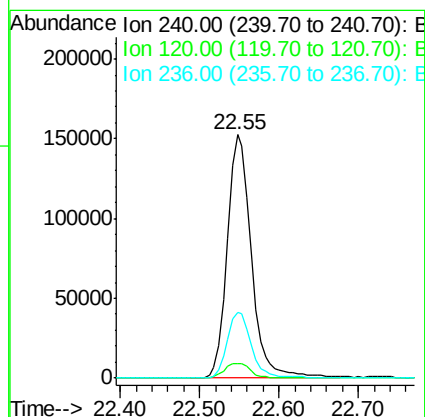
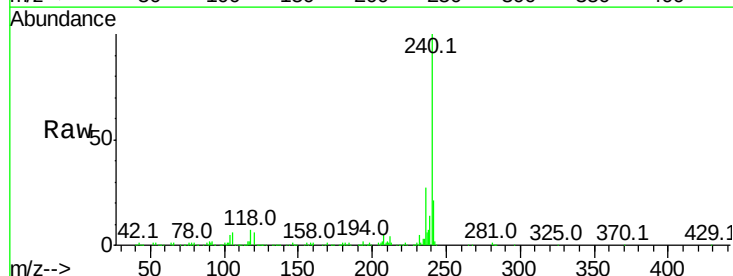
Instrument :
 BNA_F
 ClientSampleId :

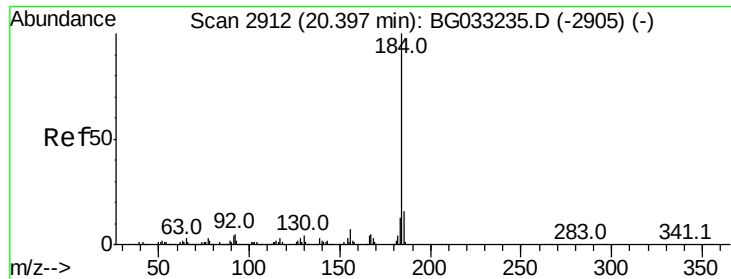
Tot Ion	Ratio	Lower	Upper
248	100		
250	179.1	77.1	115.7#
141	427.6	50.8	76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.55 min Scan# 3278
 Delta R.T. -0.01 min
 Lab File: BG033617.D
 Acq: 6 Apr 2018 6:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.1	6.8	10.2#
236	27.1	20.9	31.3





#76

Benzidine

Concen: 2.832 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033617.D

Acq: 6 Apr 2018 6:51

Instrument :

BNA_F

ClientSampleId :

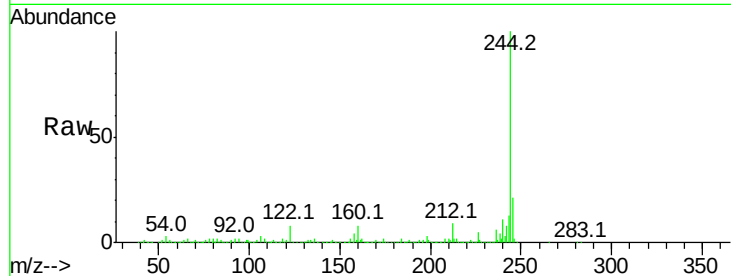
Tot Ion:184 Resp: 24696

Ion Ratio Lower Upper

184 100

185 13.7 11.1 16.7

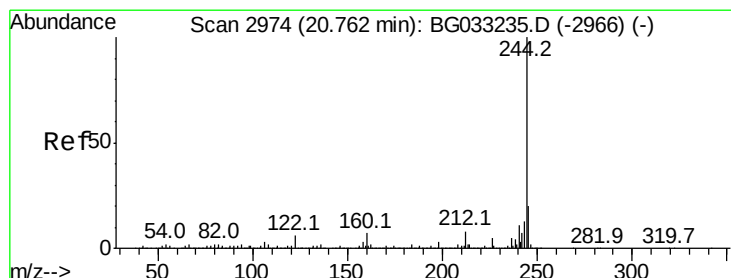
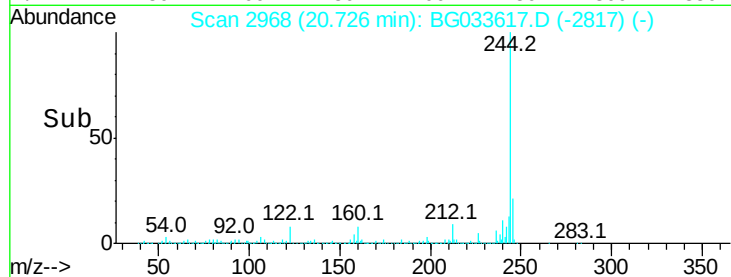
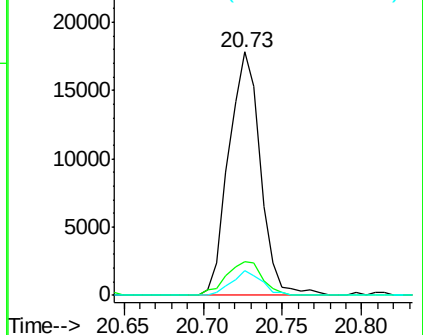
183 10.4 10.6 16.0#



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: 94.691 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033617.D

Acq: 6 Apr 2018 6:51

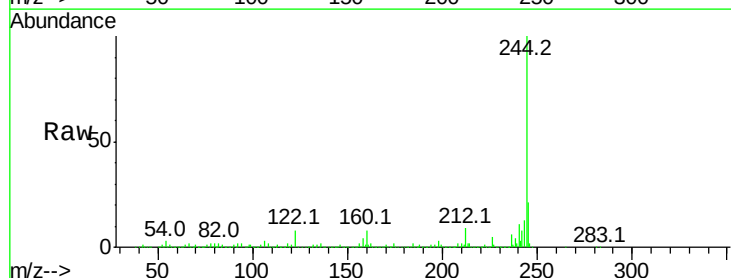
Tgt Ion:244 Resp: 1423880

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

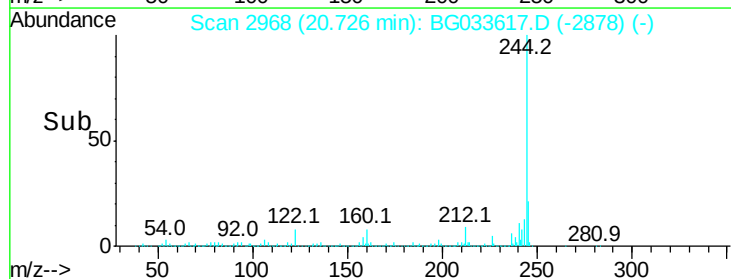
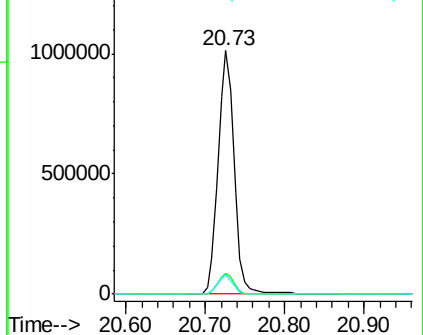
122 7.8 7.0 10.4

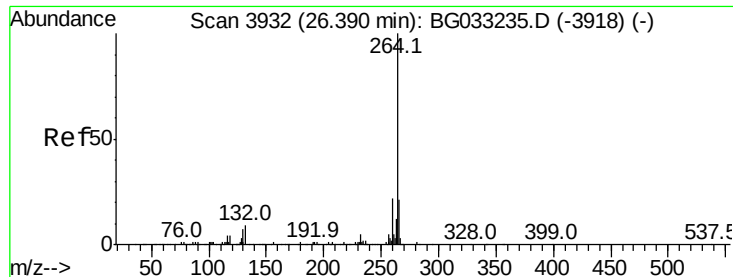


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.31 min Scan# 3918
 Delta R.T. -0.01 min
 Lab File: BG033617.D
 Acq: 6 Apr 2018 6:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	19.5	17.7	26.5

