

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG032018\
 Data File : BG033283.D
 Acq On : 21 Mar 2018 2:05
 Operator : SJ/JU
 Sample : J1974-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 03:29:50 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 19 16:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	34814	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	152888	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	117577	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	320434	20.00	ng	0.00
75) Chrysene-d12	22.60	240	316068	20.00	ng	0.00
86) Perylene-d12	26.40	264	325891	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	292984	157.80	ng	0.00
7) Phenol-d6	8.00	99	400844	125.65	ng	0.00
23) Nitrobenzene-d5	10.09	82	333839	100.32	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	238384	135.56	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	805712	98.93	ng	0.00
78) Terphenyl-d14	20.76	244	1547729	104.72	ng	0.00

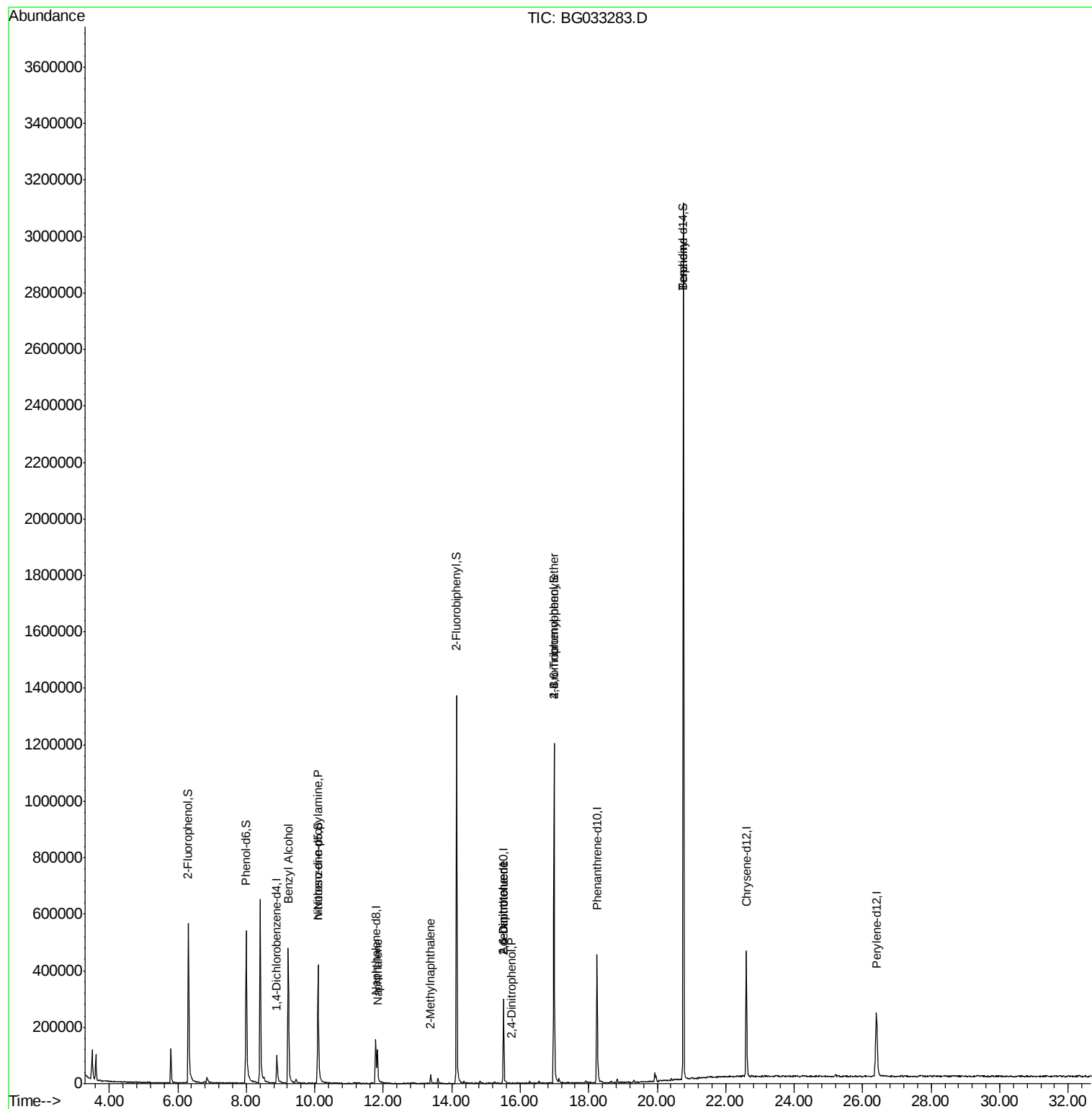
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.22	79	5536	2.204	ng	# 41
19) n-Nitroso-di-n-propylamine	10.09	70	45270	19.366	ng	# 73
31) Naphthalene	11.83	128	105012	13.255	ng	98
37) 2-Methylnaphthalene	13.38	142	18464	3.003	ng	97
50) 2,6-Dinitrotoluene	15.51	165	15068	7.202	ng	# 20
53) 2,4-Dinitrophenol	15.75	184	53	7.687	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	15068	4.891	ng	# 17
66) 4-Bromophenyl-phenylether	16.98	248	18016	4.787	ng	# 1
76) Benzidine	20.76	184	25192	2.939	ng	# 93

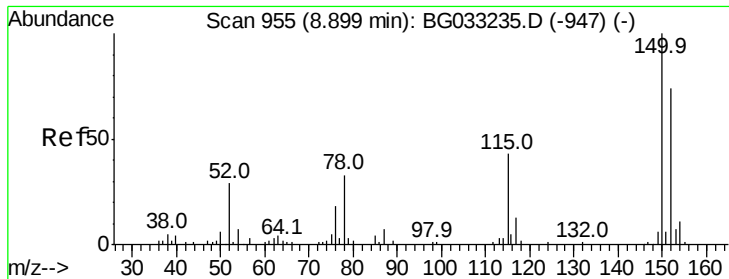
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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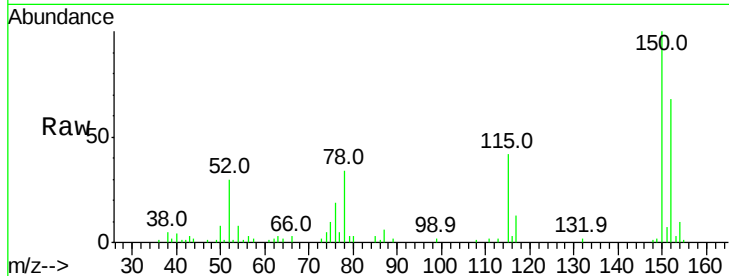


#1

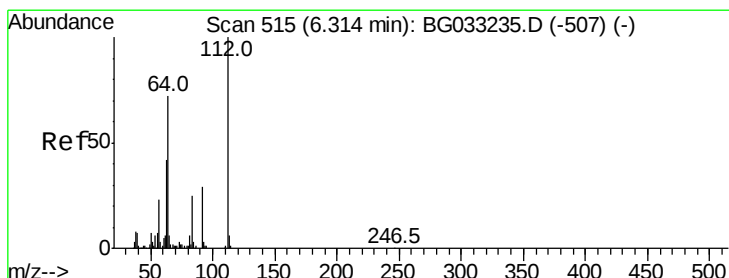
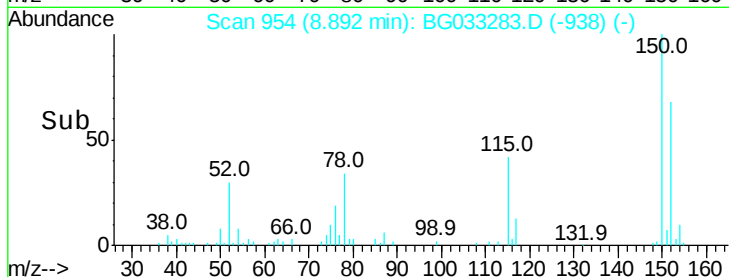
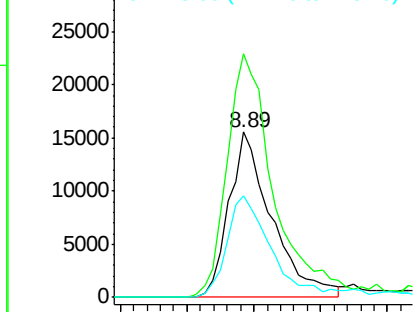
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.01 min
Lab File: BG033283.D
Acq: 21 Mar 2018 2:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 34814
Ion Ratio Lower Upper
152 100
150 147.4 126.6 189.8
115 61.8 53.0 79.4



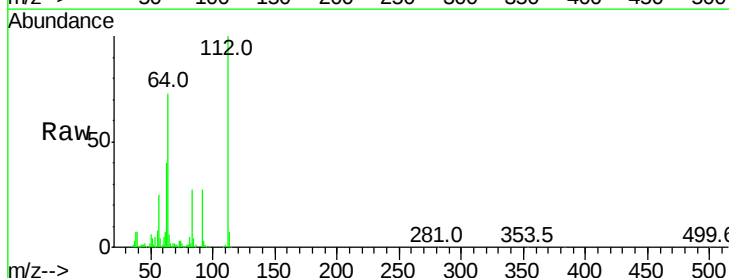
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



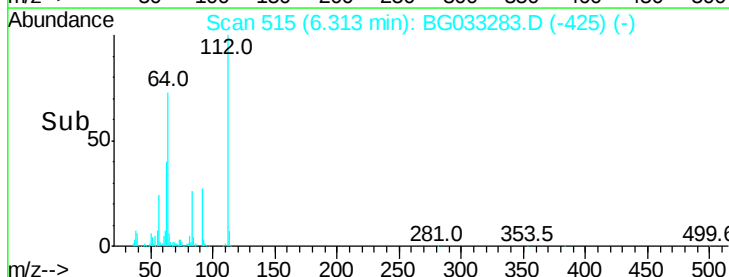
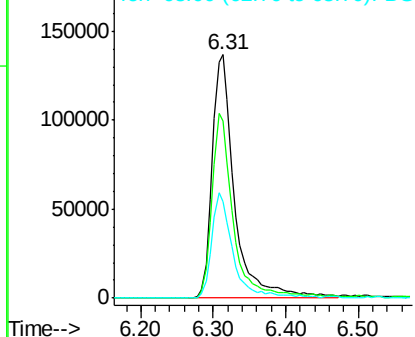
#5

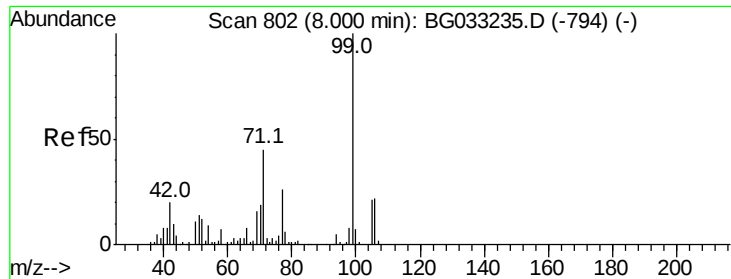
2-Fluorophenol
Concen: 157.804 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033283.D
Acq: 21 Mar 2018 2:05

Tgt Ion:112 Resp: 292984
Ion Ratio Lower Upper
112 100
64 72.6 56.3 84.5
63 39.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 125.654 ng

RT: 8.00 min Scan# 802

Delta R.T. 0.00 min

Lab File: BG033283.D

Acq: 21 Mar 2018 2:05

Instrument :

BNA_F

ClientSampleId :

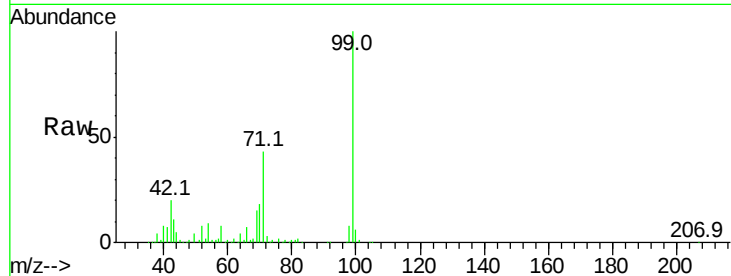
Tot Ion: 99 Resp: 400844

Ion Ratio Lower Upper

99 100

42 19.9 14.1 21.1

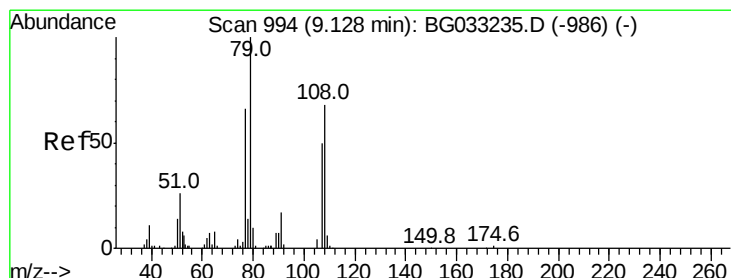
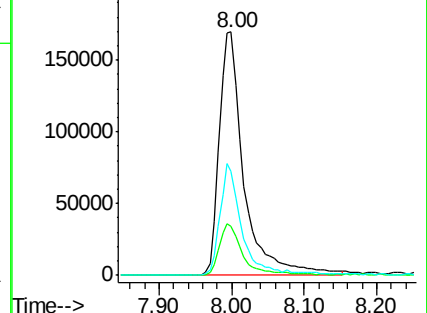
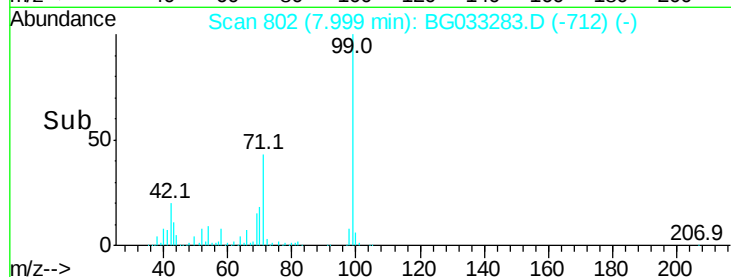
71 42.8 26.1 39.1#



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: 2.204 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.09 min

Lab File: BG033283.D

Acq: 21 Mar 2018 2:05

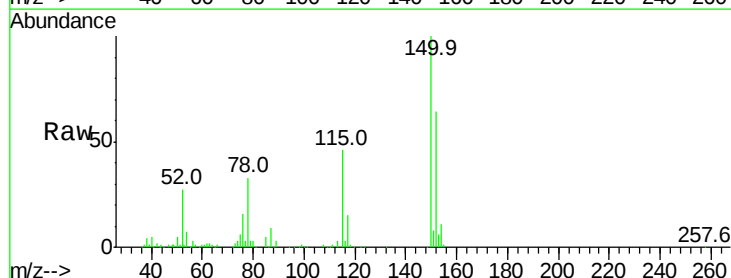
Tgt Ion: 79 Resp: 5536

Ion Ratio Lower Upper

79 100

108 26.6 57.2 85.8#

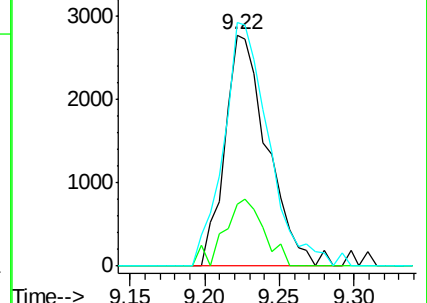
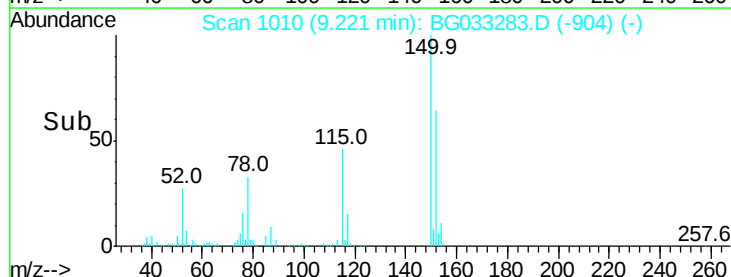
77 105.3 46.1 69.1#

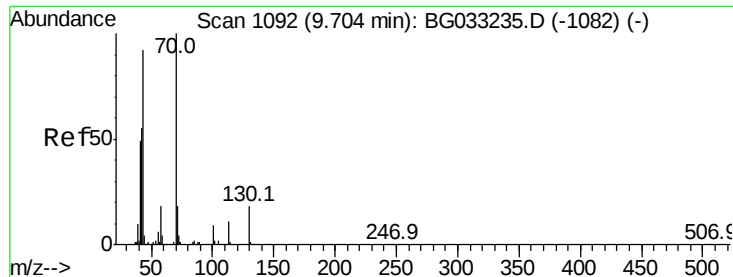


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

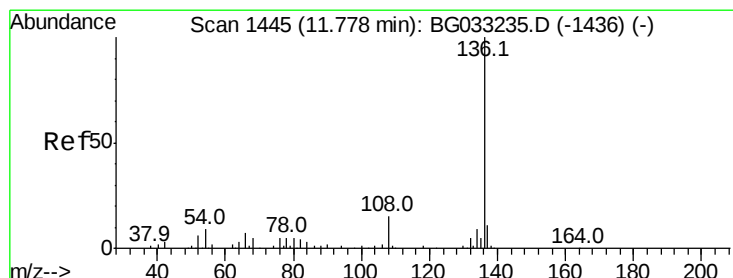
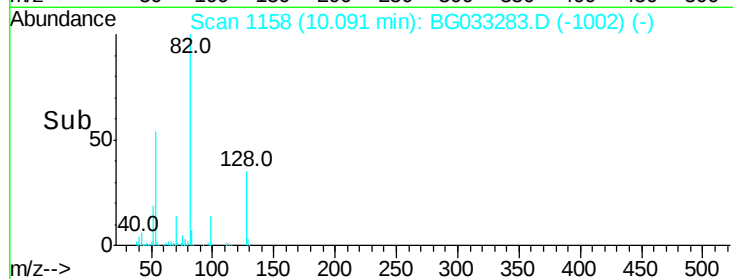
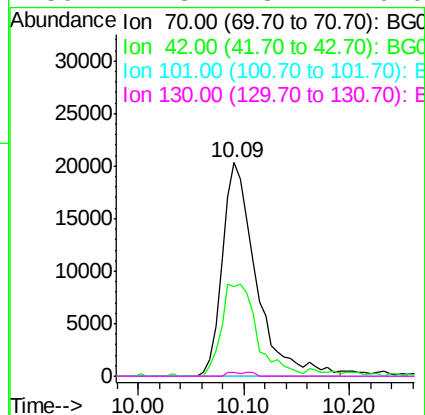
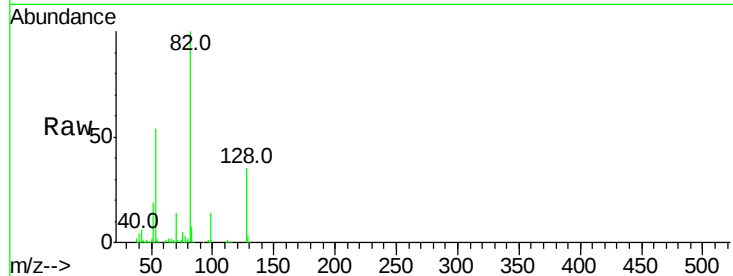




#19
n-Nitroso-di-n-propylamine
Concen: 19.366 ng
RT: 10.09 min Scan# 1158
Delta R.T. 0.39 min
Lab File: BG033283.D
Acq: 21 Mar 2018 2:05

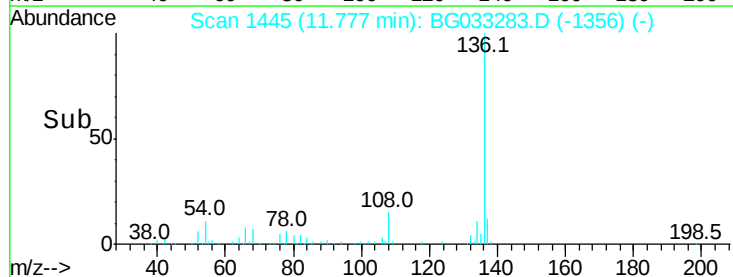
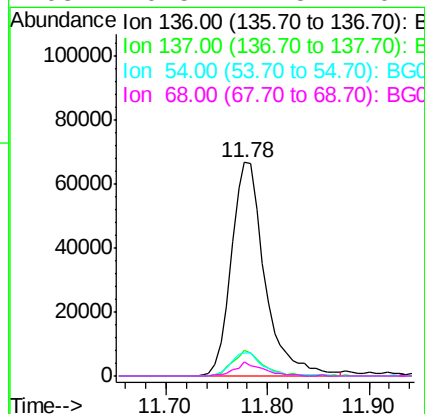
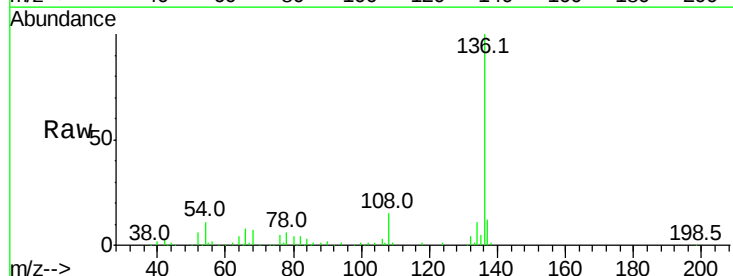
Instrument :
BNA_F
ClientSampleId :

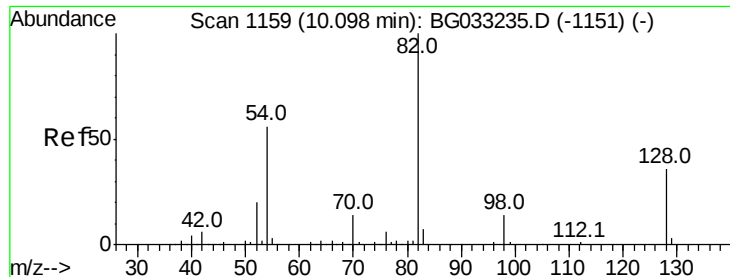
Tot Ion: 70 Resp: 45270
Ion Ratio Lower Upper
70 100
42 42.1 49.1 73.7#
101 0.0 8.5 12.7#
130 1.8 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BG033283.D
Acq: 21 Mar 2018 2:05

Tgt Ion: 136 Resp: 152888
Ion Ratio Lower Upper
136 100
137 11.9 9.2 13.8
54 11.0 10.3 15.5
68 6.5 4.5 6.7





#23

Nitrobenzene-d5

Concen: 100.321 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG033283.D

Acq: 21 Mar 2018 2:05

Instrument :

BNA_F

ClientSampled :

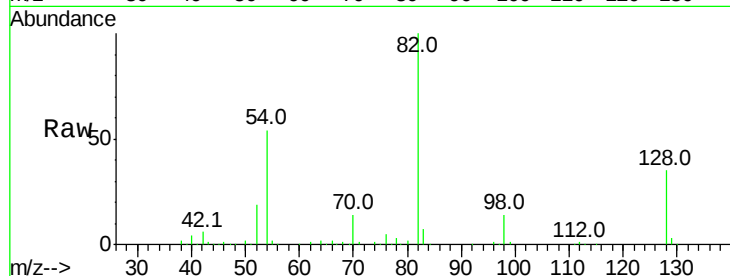
Tot Ion: 82 Resp: 333839

Ion Ratio Lower Upper

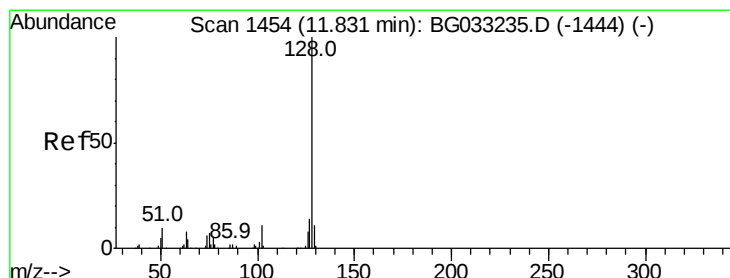
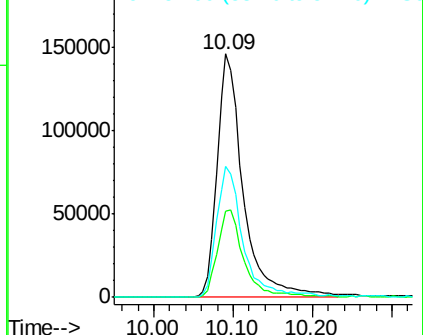
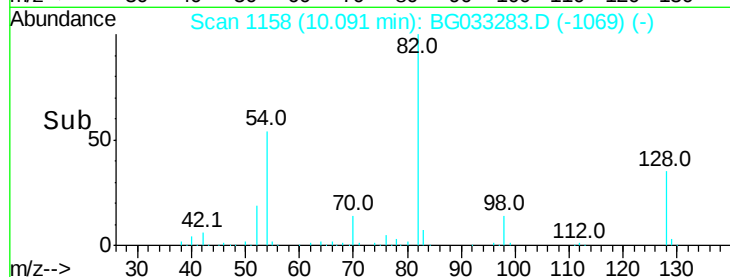
82 100

128 35.2 29.7 44.5

54 53.9 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



#31

Naphthalene

Concen: 13.255 ng

RT: 11.83 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BG033283.D

Acq: 21 Mar 2018 2:05

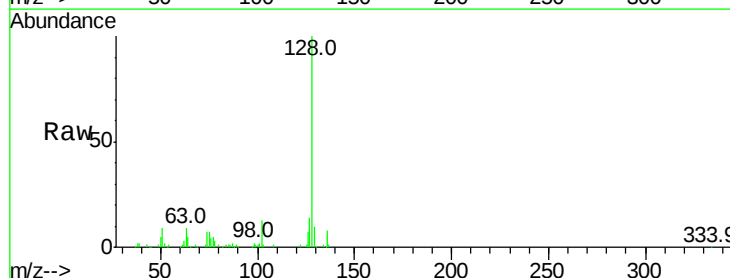
Tgt Ion: 128 Resp: 105012

Ion Ratio Lower Upper

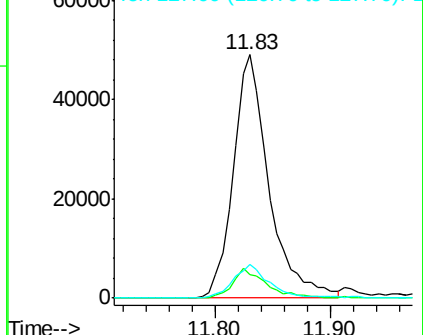
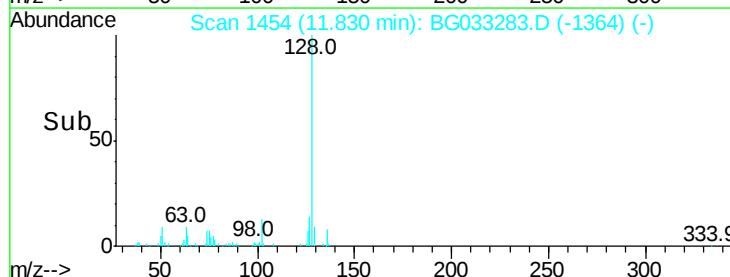
128 100

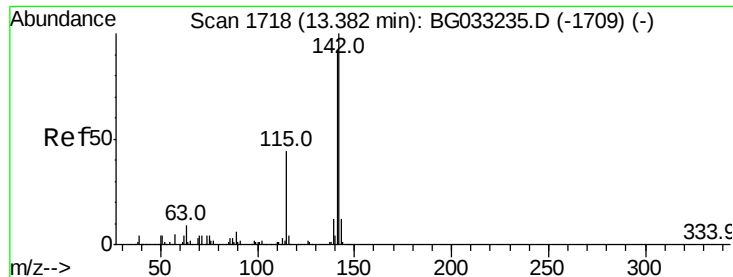
129 9.8 8.6 12.8

127 13.9 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

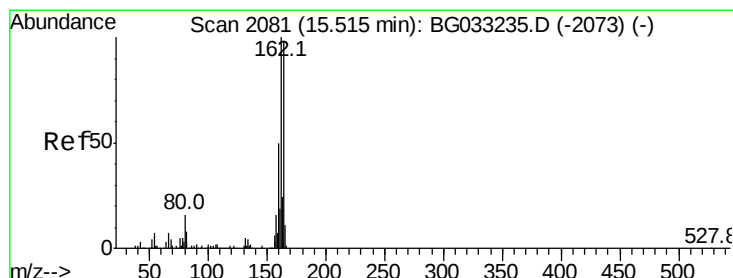
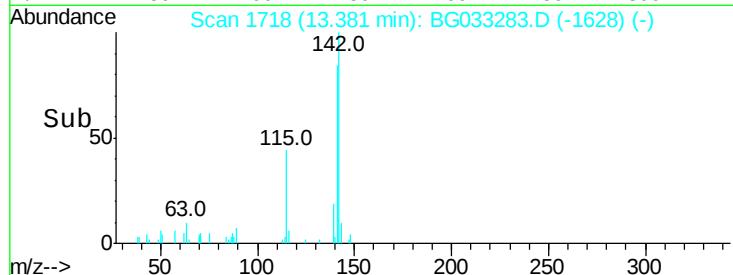
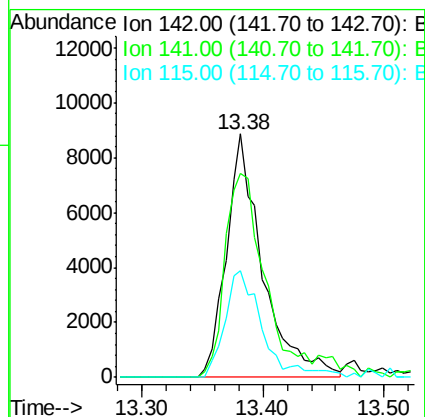
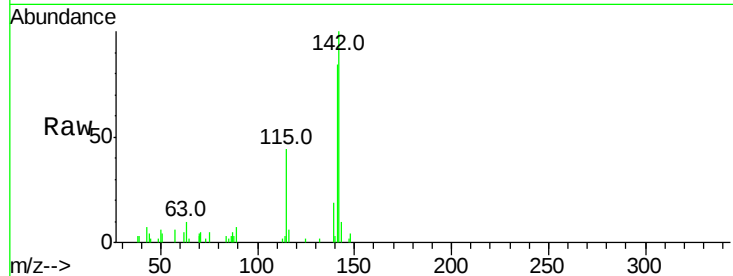




#37
2-Methylnaphthalene
Concen: 3.003 ng
RT: 13.38 min Scan# 1718
Delta R.T. -0.00 min
Lab File: BG033283.D
Acq: 21 Mar 2018 2:05

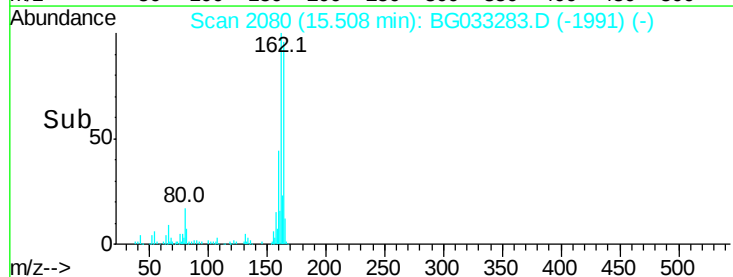
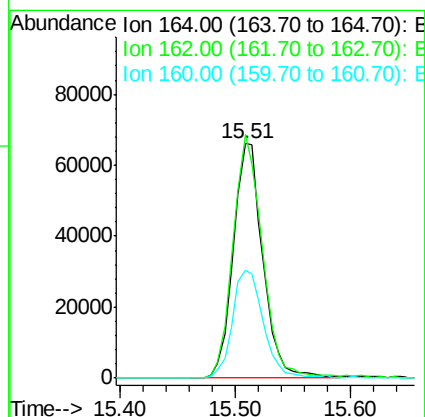
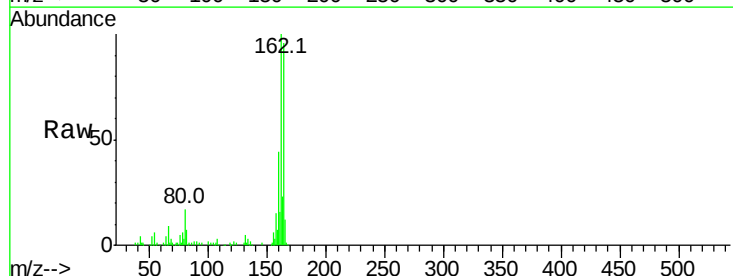
Instrument :
BNA_F
ClientSampled :

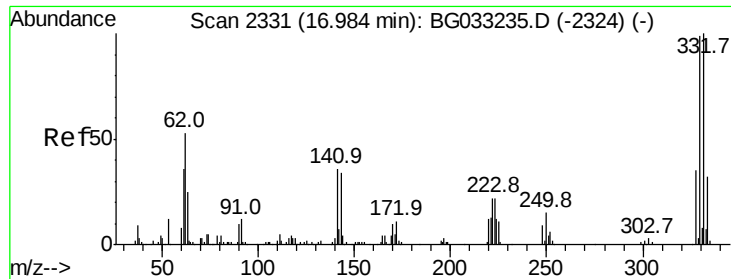
Tot Ion:142 Resp: 18464
Ion Ratio Lower Upper
142 100
141 83.7 67.1 100.7
115 43.7 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.51 min Scan# 2080
Delta R.T. -0.01 min
Lab File: BG033283.D
Acq: 21 Mar 2018 2:05

Tgt Ion:164 Resp: 117577
Ion Ratio Lower Upper
164 100
162 103.9 78.8 118.2
160 45.9 35.4 53.0

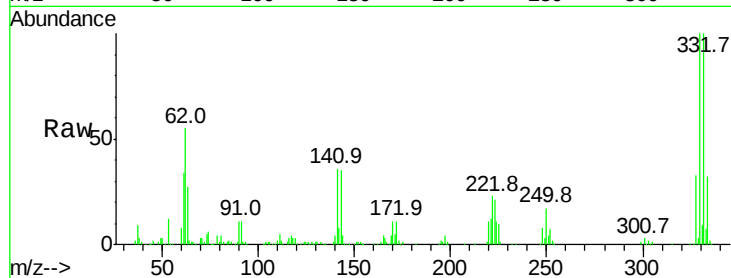




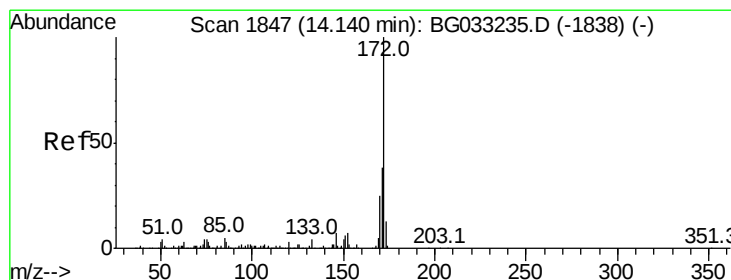
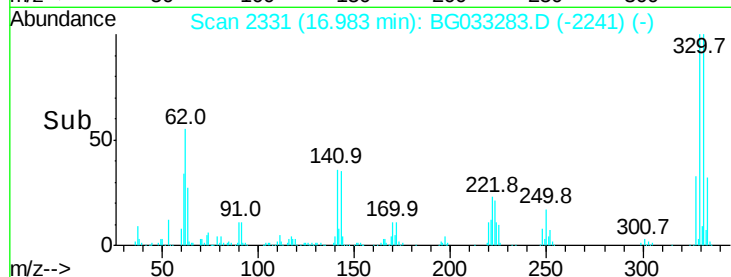
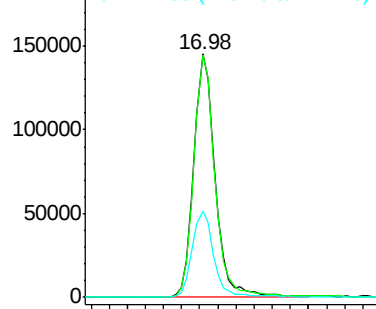
#41
 2,4,6-Tribromophenol
 Concen: 135.561 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: BG033283.D
 Acq: 21 Mar 2018 2:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.0	115.6
141	35.7	25.2	37.8

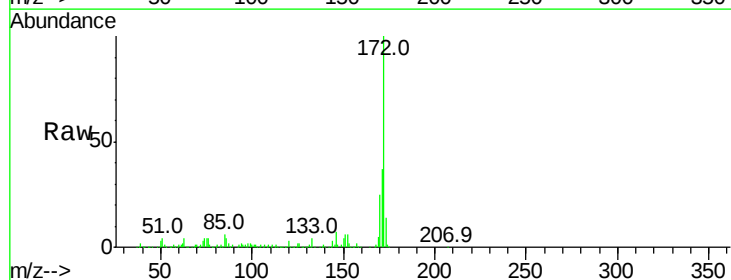


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

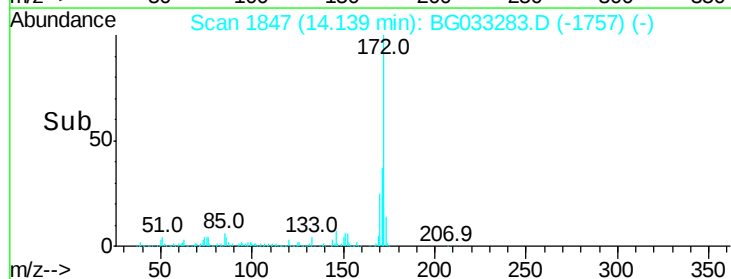
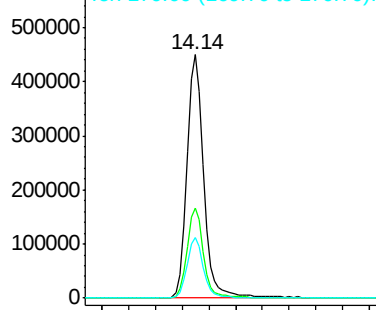


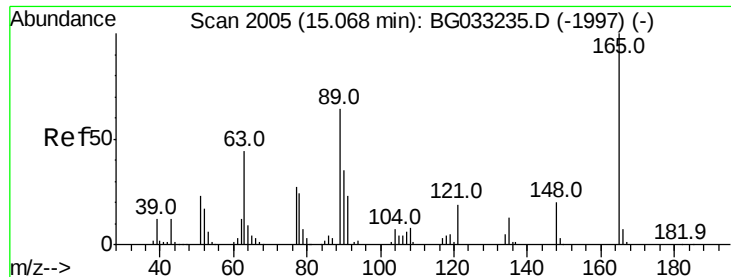
#44
 2-Fluorobiphenyl
 Concen: 98.927 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033283.D
 Acq: 21 Mar 2018 2:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.0	45.0
170	25.1	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

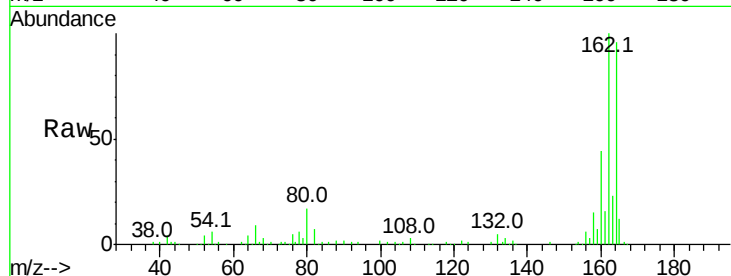




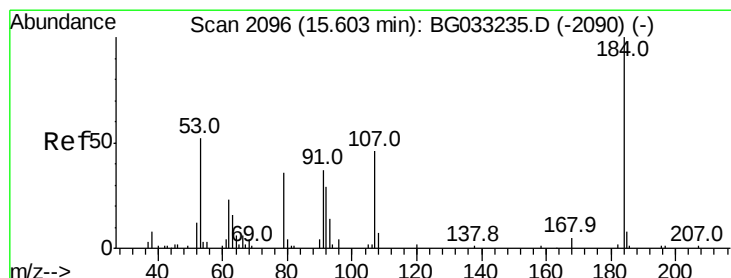
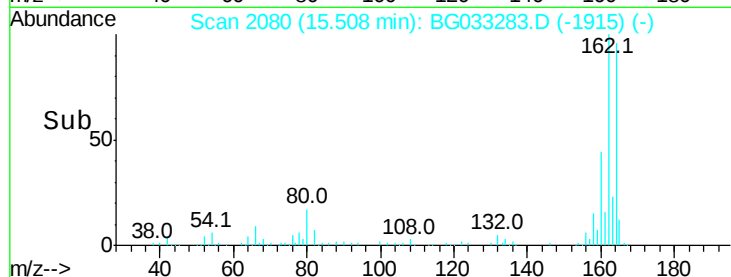
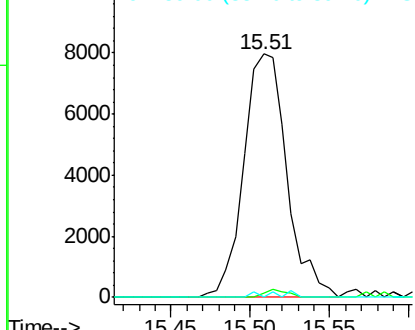
#50
 2,6-Dinitrotoluene
 Concen: 7.202 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. 0.44 min
 Lab File: BG033283.D
 Acq: 21 Mar 2018 2:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 15068
 Ion Ratio Lower Upper
 165 100
 63 2.0 52.7 79.1#
 89 0.0 49.2 73.8#

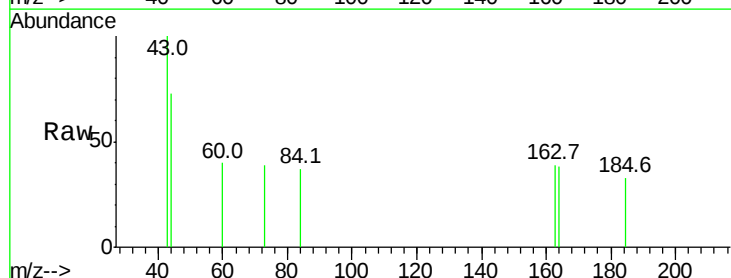


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

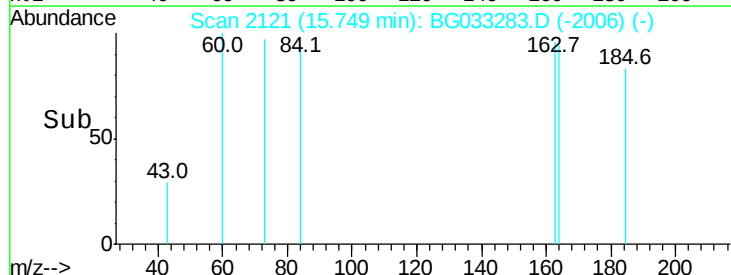
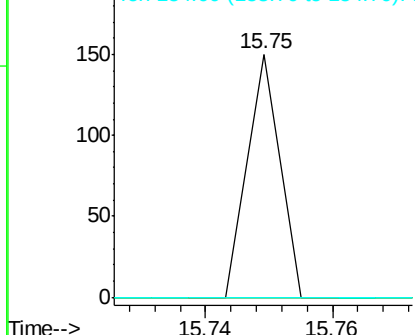


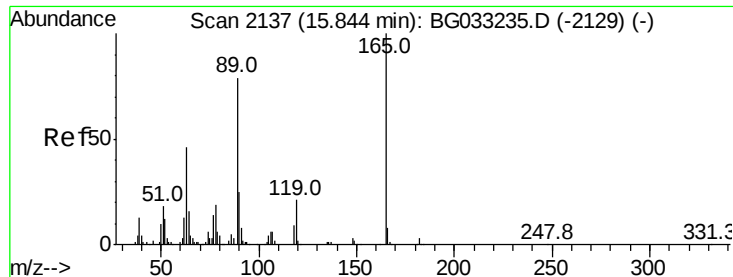
#53
 2,4-Dinitrophenol
 Concen: 7.687 ng
 RT: 15.75 min Scan# 2121
 Delta R.T. 0.15 min
 Lab File: BG033283.D
 Acq: 21 Mar 2018 2:05

Tgt Ion:184 Resp: 53
 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): BGC
 Ion 154.00 (153.70 to 154.70): E

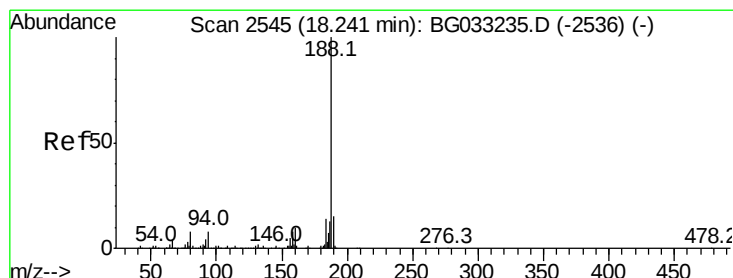
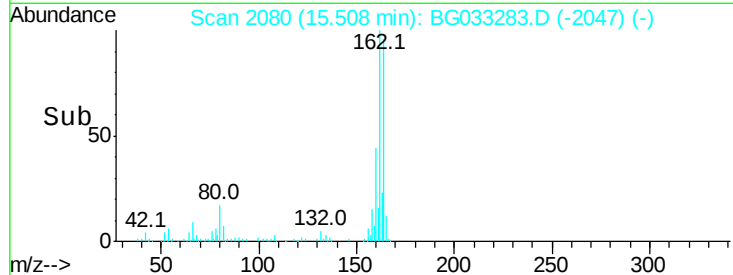
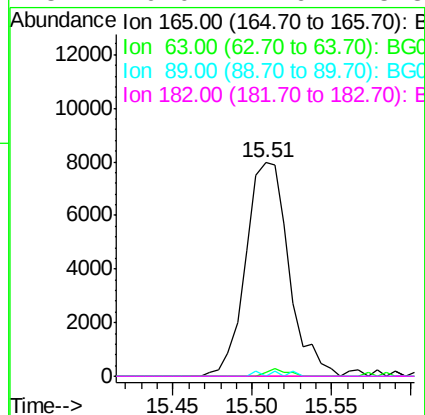
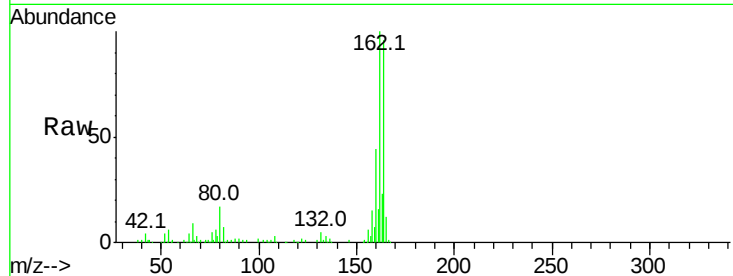




#56
2,4-Dinitrotoluene
Concen: 4.891 ng
RT: 15.51 min Scan# 2080
Delta R.T. -0.34 min
Lab File: BG033283.D
Acq: 21 Mar 2018 2:05

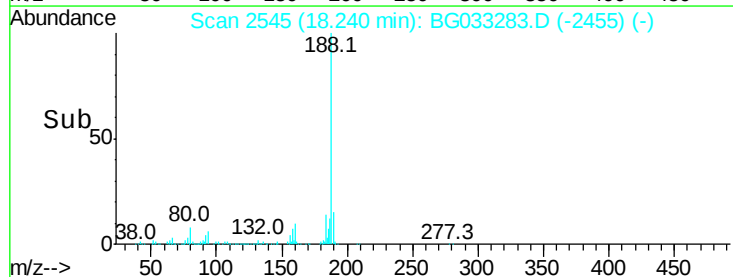
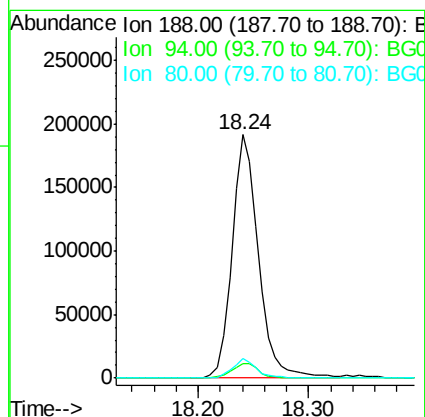
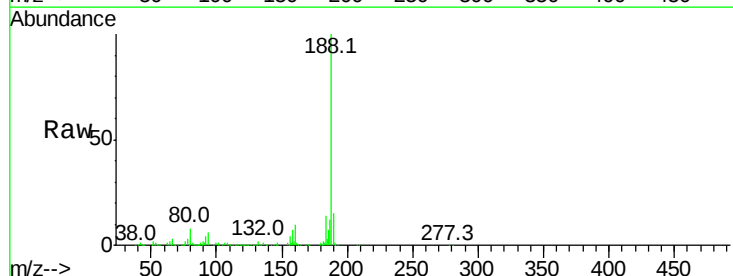
Instrument :
BNA_F
ClientSampleId :

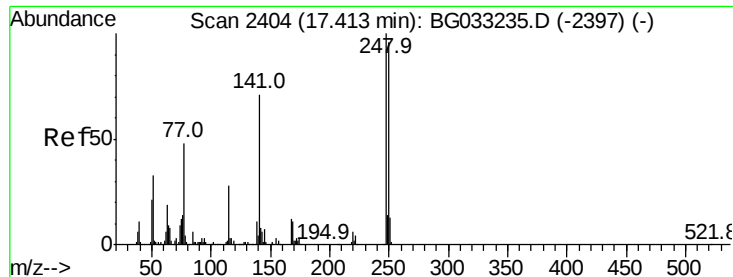
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.00 min
Lab File: BG033283.D
Acq: 21 Mar 2018 2:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	6.9	10.3#
80	7.8	7.7	11.5

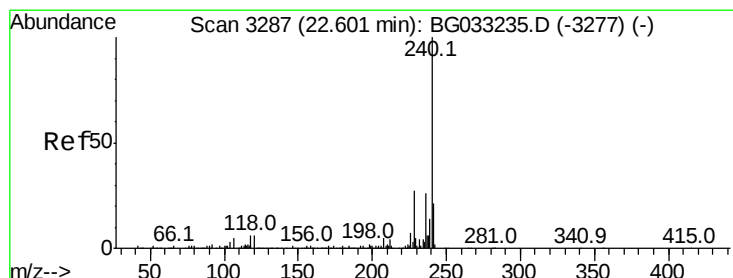
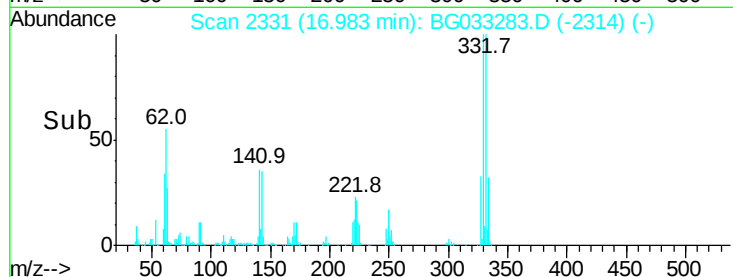
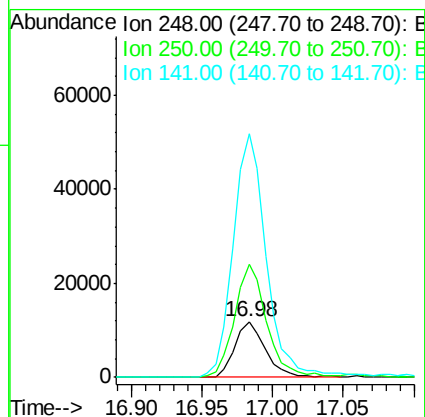
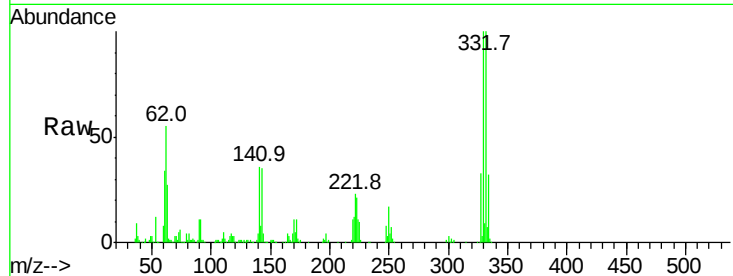




#66
4-Bromophenyl-phenylether
Concen: 4.787 ng
RT: 16.98 min Scan# 2331
Delta R.T. -0.43 min
Lab File: BG033283.D
Acq: 21 Mar 2018 2:05

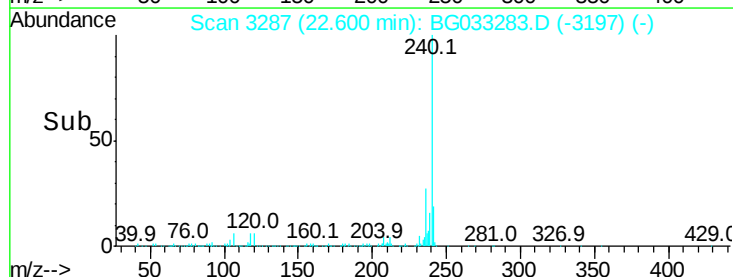
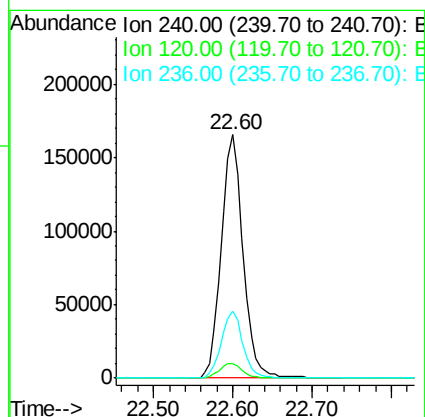
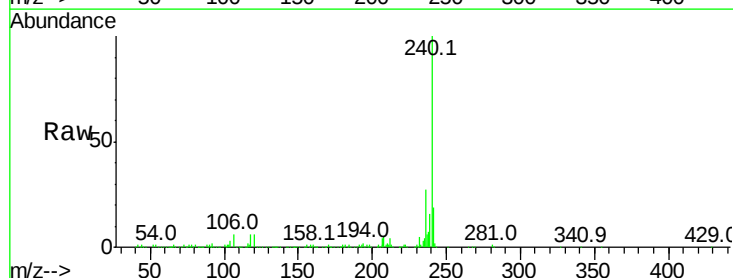
Instrument :
BNA_F
ClientSampleId :

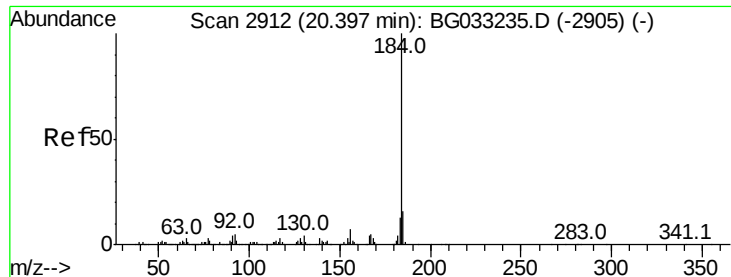
Tot Ion:248 Resp: 18016
Ion Ratio Lower Upper
248 100
250 201.1 77.1 115.7#
141 434.4 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3287
Delta R.T. -0.00 min
Lab File: BG033283.D
Acq: 21 Mar 2018 2:05

Tgt Ion:240 Resp: 316068
Ion Ratio Lower Upper
240 100
120 6.1 6.8 10.2#
236 27.3 20.9 31.3

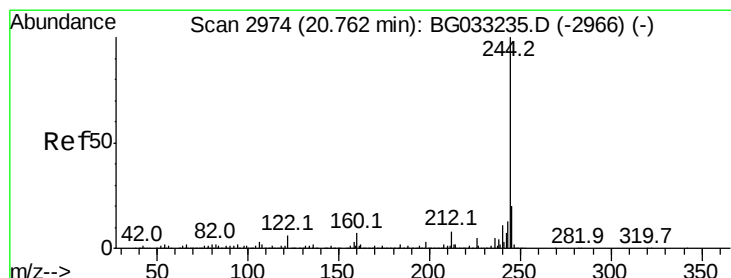
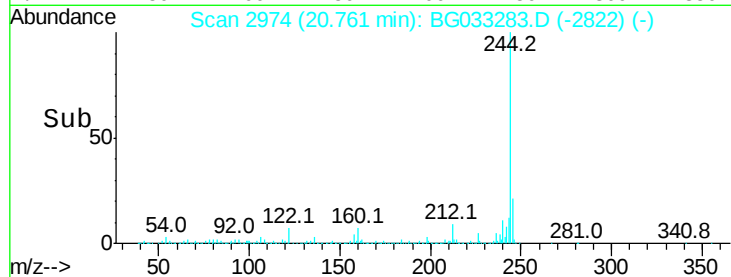
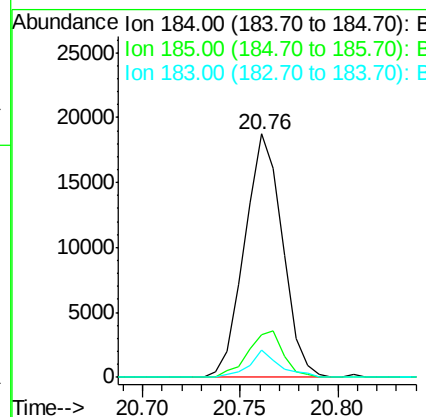
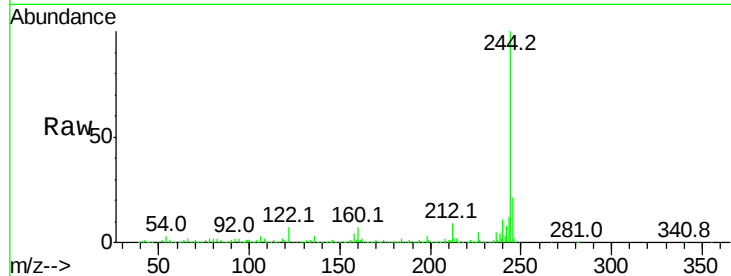




#76
Benzidine
Concen: 2.939 ng
RT: 20.76 min Scan# 2974
Delta R.T. 0.36 min
Lab File: BG033283.D
Acq: 21 Mar 2018 2:05

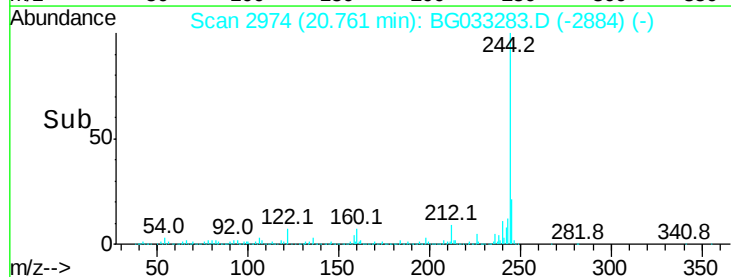
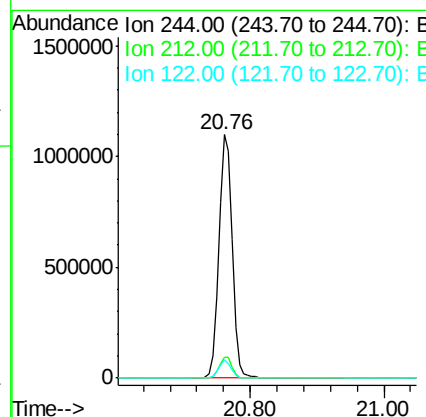
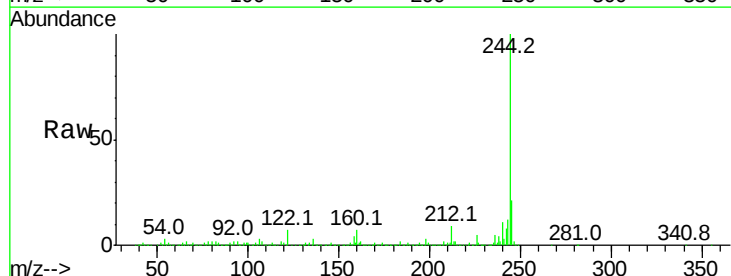
Instrument :
BNA_F
ClientSampleId :

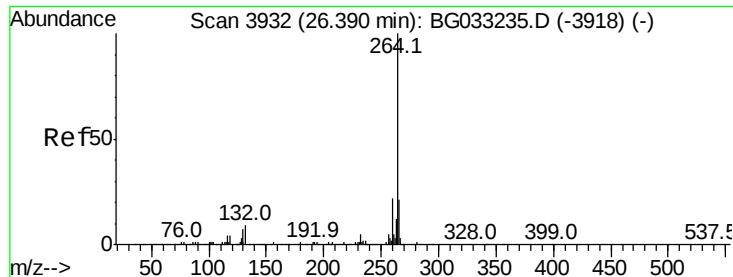
Tot Ion:184 Resp: 25192
Ion Ratio Lower Upper
184 100
185 17.7 11.1 16.7#
183 11.3 10.6 16.0



#78
Terphenyl-d14
Concen: 104.724 ng
RT: 20.76 min Scan# 2974
Delta R.T. -0.00 min
Lab File: BG033283.D
Acq: 21 Mar 2018 2:05

Tgt Ion:244 Resp: 1547729
Ion Ratio Lower Upper
244 100
212 8.5 5.8 8.8
122 7.5 7.0 10.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3934
Delta R.T. 0.01 min
Lab File: BG033283.D
Acq: 21 Mar 2018 2:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	21.9	17.7	26.5

