

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111717\
 Data File : BF100674.D
 Acq On : 17 Nov 2017 14:24
 Operator : SJ/JU
 Sample : I6454-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

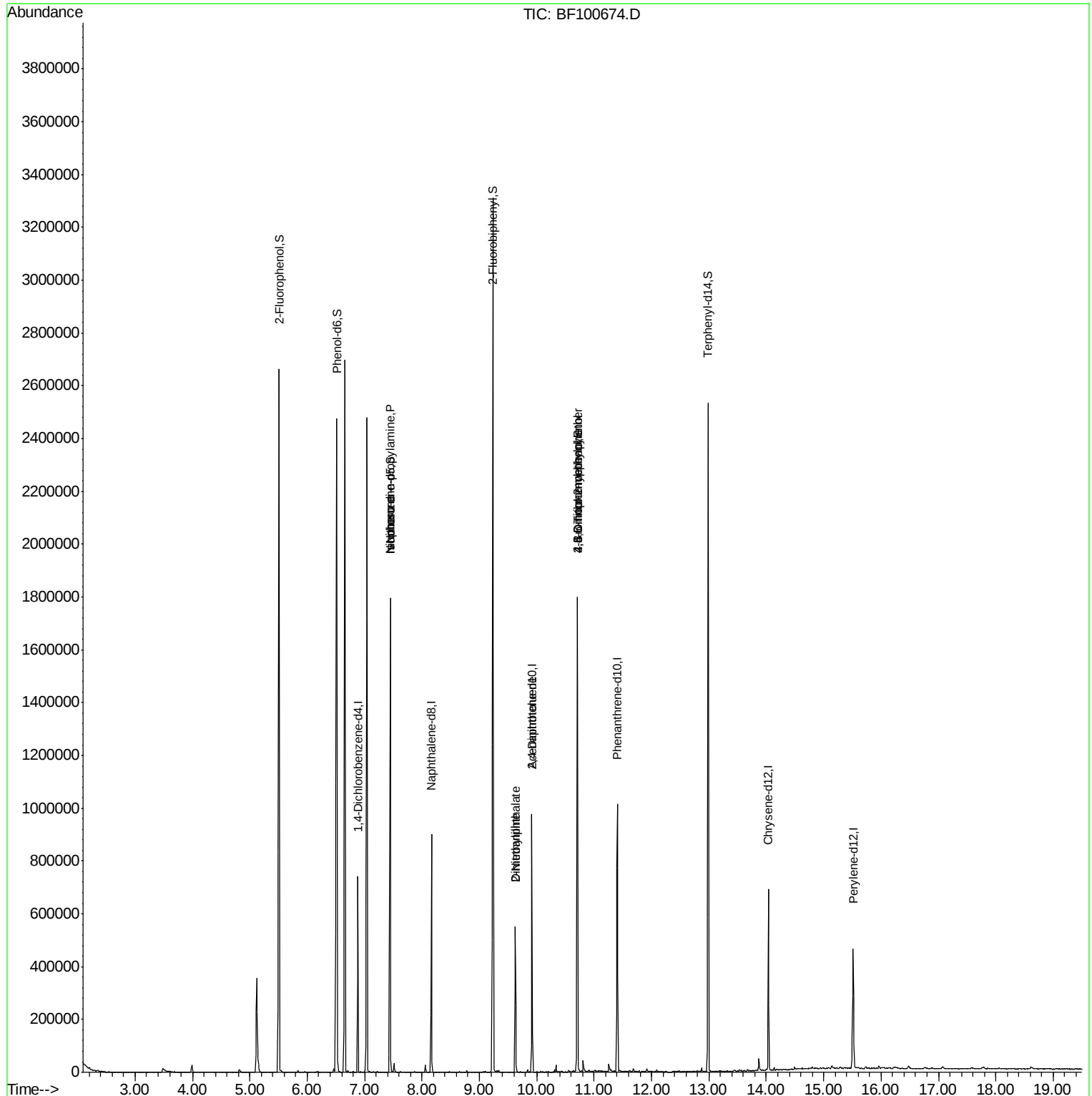
Quant Time: Nov 17 16:41:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

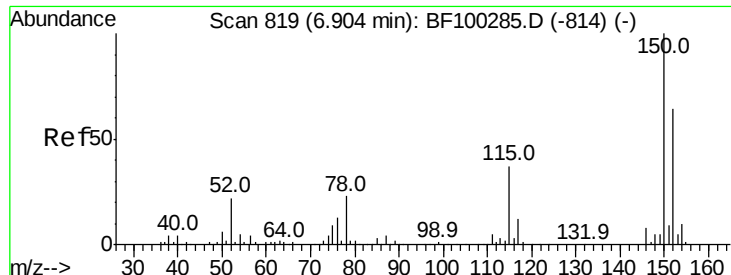
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	103703	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	408608	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	188175	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	353446	20.00	ng	0.00
75) Chrysene-d12	14.04	240	223470	20.00	ng	0.00
86) Perylene-d12	15.52	264	235664	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	866071	133.87	ng	0.02
7) Phenol-d6	6.52	99	1088483	136.44	ng	0.00
23) Nitrobenzene-d5	7.44	82	685431	110.90	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	258140	134.62	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1178908	95.40	ng	0.00
78) Terphenyl-d14	12.99	244	940229	96.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	88955	16.079	ng	# 82
25) Isophorone	7.44	82	685412	52.774	ng	# 64
47) 2-Nitroaniline	9.63	65	1981	3.319	ng	# 1
49) Dimethylphthalate	9.63	163	215267	14.983	ng	100
56) 2,4-Dinitrotoluene	9.92	165	23780	6.628	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.70	198	511	8.805	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	15587	4.114	ng	# 1

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

```
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ALS Vial  : 12      Sample Multiplier: 1
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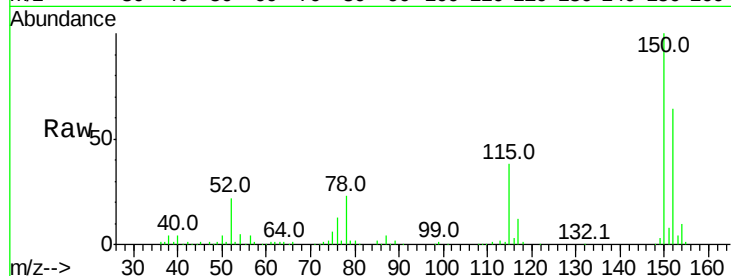


#1

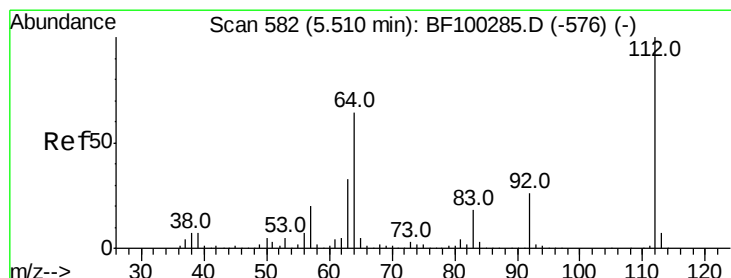
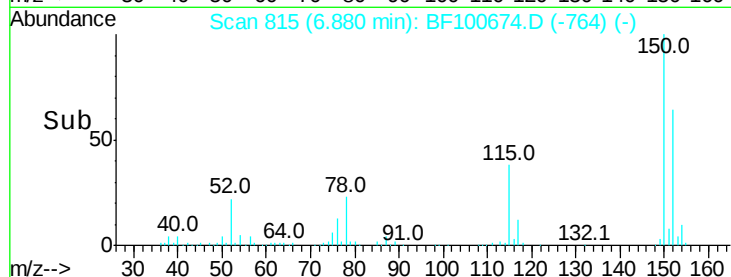
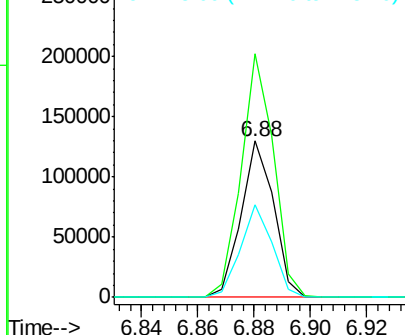
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF100674.D
Acq: 17 Nov 2017 14:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103703
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 59.2 50.1 75.1



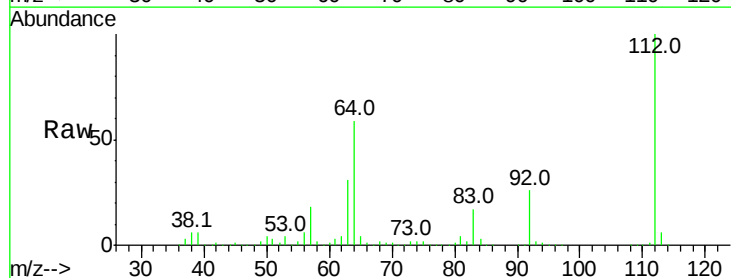
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



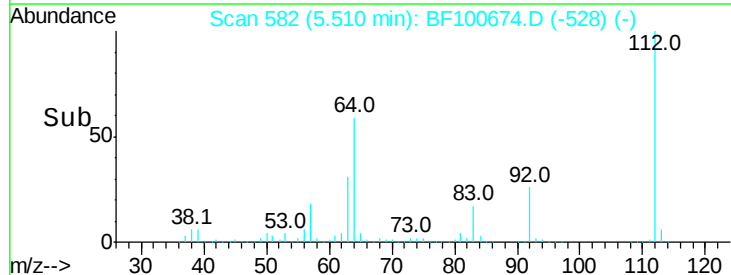
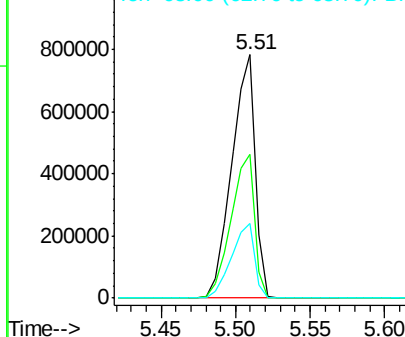
#5

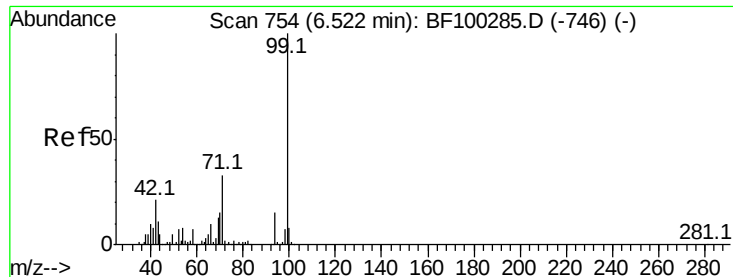
2-Fluorophenol
Concen: 133.873 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF100674.D
Acq: 17 Nov 2017 14:24

Tgt Ion:112 Resp: 866071
Ion Ratio Lower Upper
112 100
64 58.8 47.9 71.9
63 30.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 136.443 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF100674.D

Acq: 17 Nov 2017 14:24

Instrument :

BNA_F

ClientSampled :

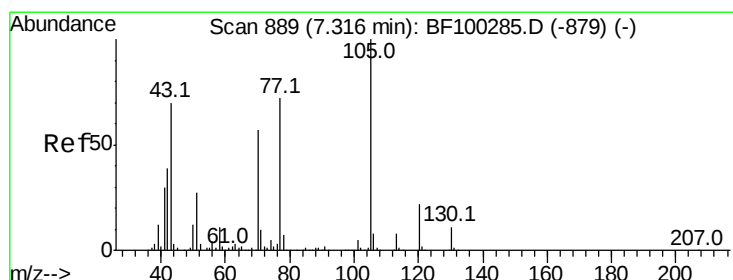
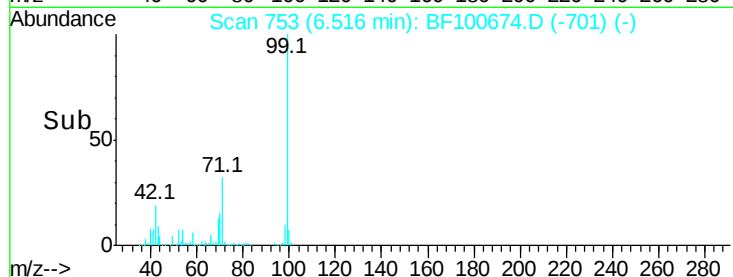
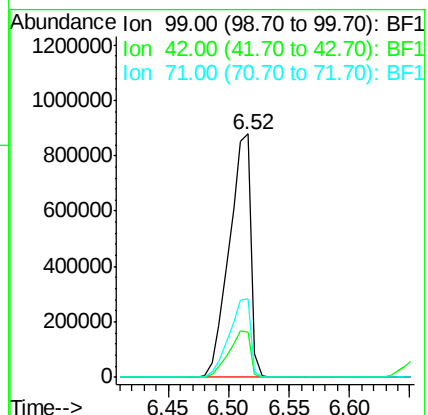
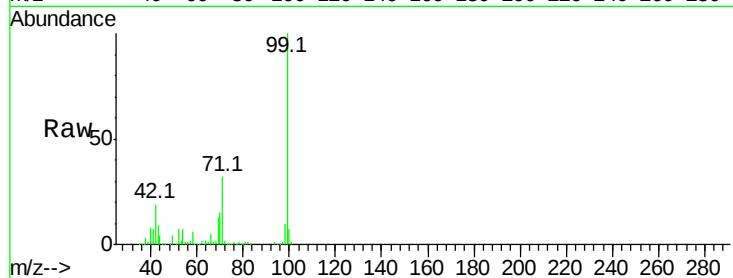
Tot Ion: 99 Resp: 1088483

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

71 32.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.079 ng

RT: 7.44 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF100674.D

Acq: 17 Nov 2017 14:24

Tgt Ion: 70 Resp: 88955

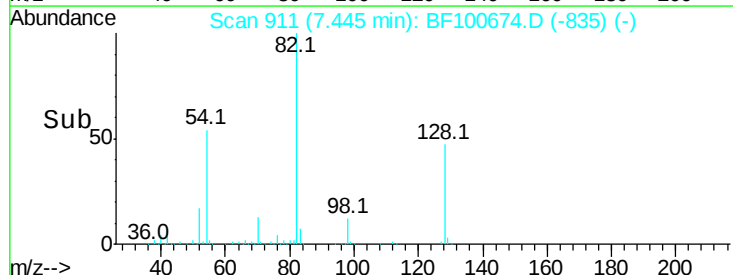
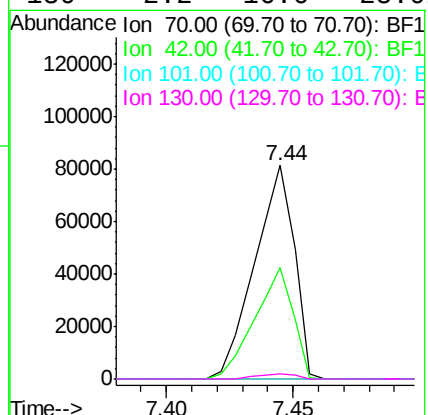
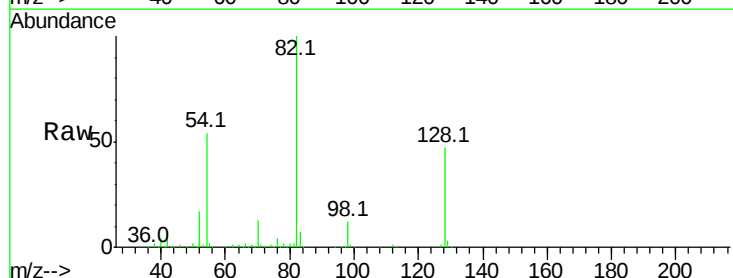
Ion Ratio Lower Upper

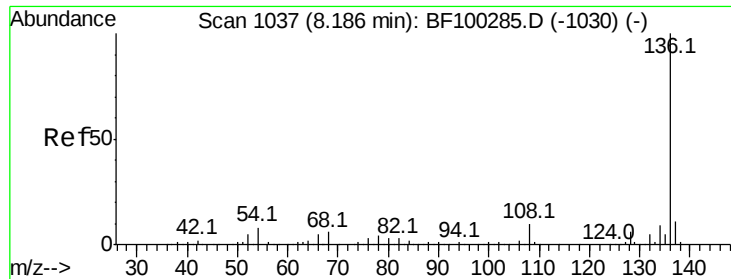
70 100

42 52.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

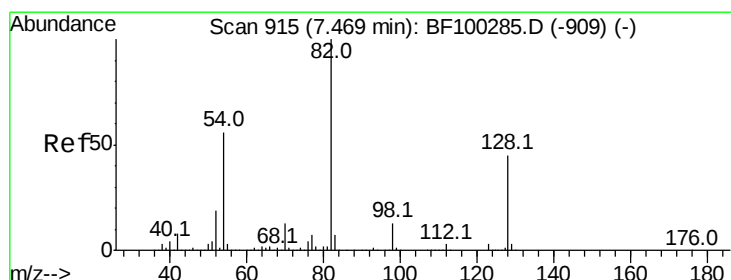
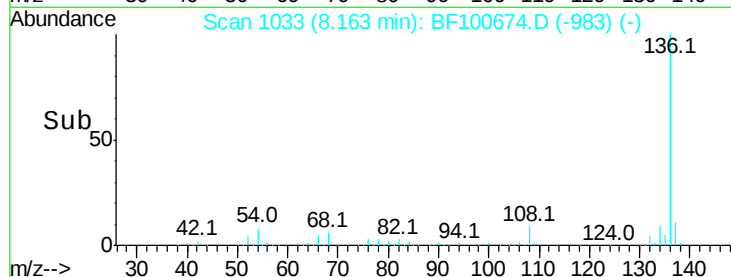
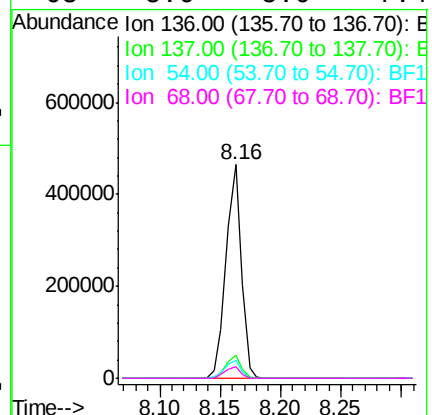
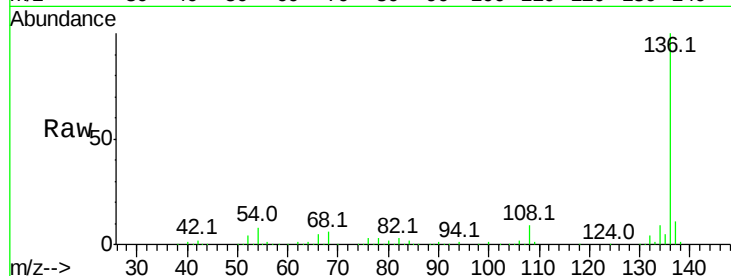




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100674.D
Acq: 17 Nov 2017 14:24

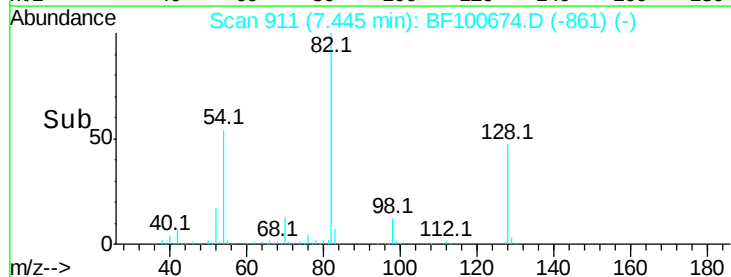
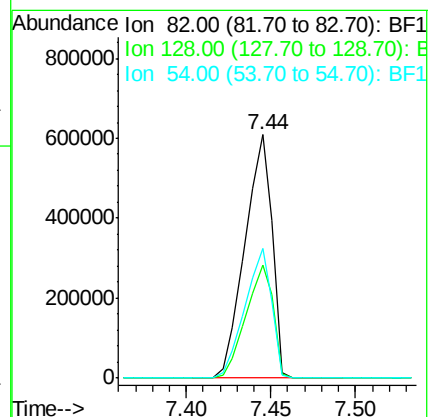
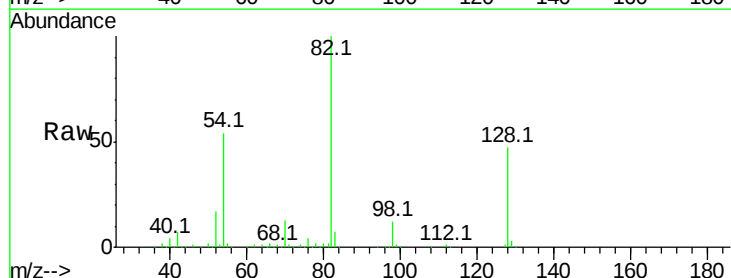
Instrument :
BNA_F
ClientSampleId :

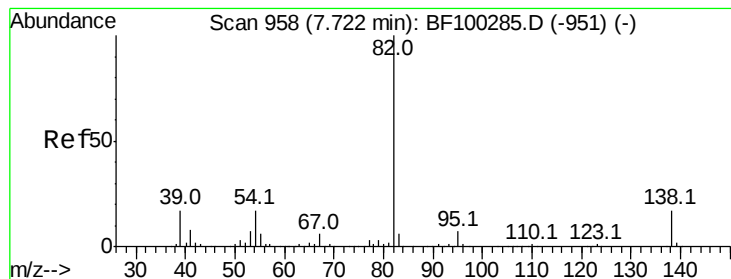
Tot Ion:	136	Resp:	408608
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.1	6.6	9.8
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 110.904 ng
RT: 7.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100674.D
Acq: 17 Nov 2017 14:24

Tgt Ion:	82	Resp:	685431
Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.1	54.1
54	53.5	41.4	62.2





#25

Isophorone

Concen: 52.774 ng

RT: 7.44 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100674.D

Acq: 17 Nov 2017 14:24

Instrument :

BNA_F

ClientSampleId :

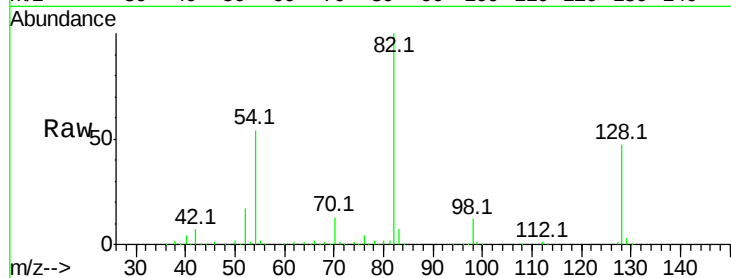
Tot Ion: 82 Resp: 685412

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

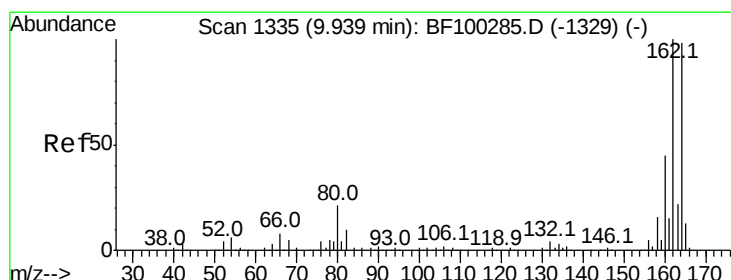
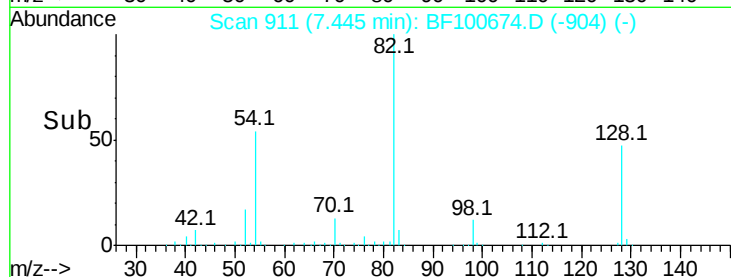
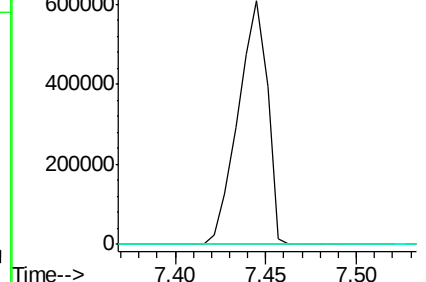
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF100674.D

Acq: 17 Nov 2017 14:24

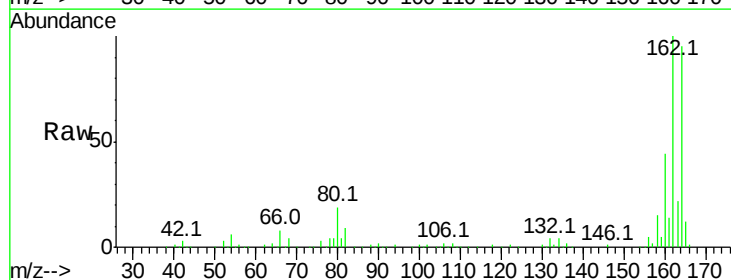
Tgt Ion:164 Resp: 188175

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

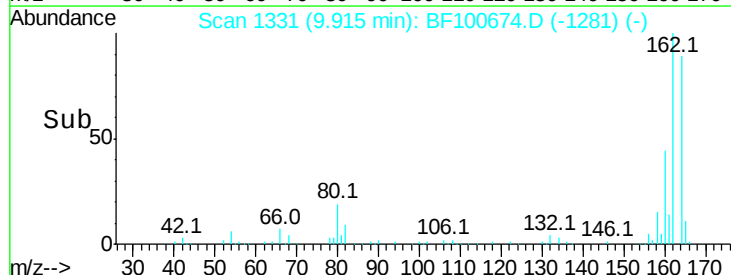
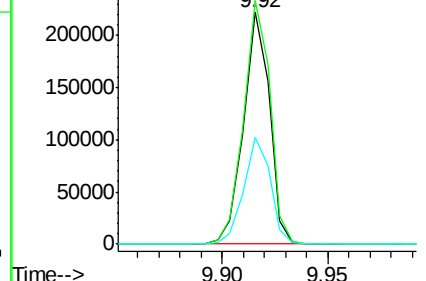
160 46.0 38.3 57.5

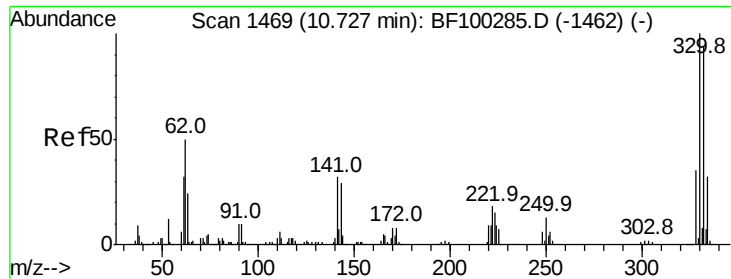


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

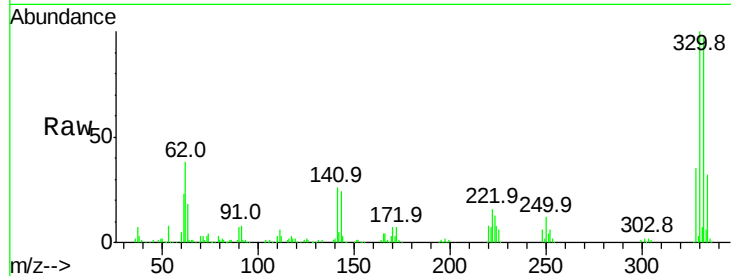




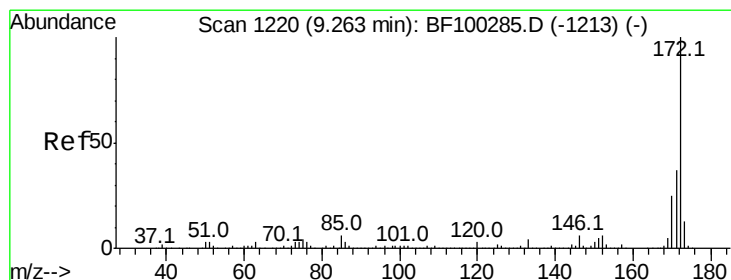
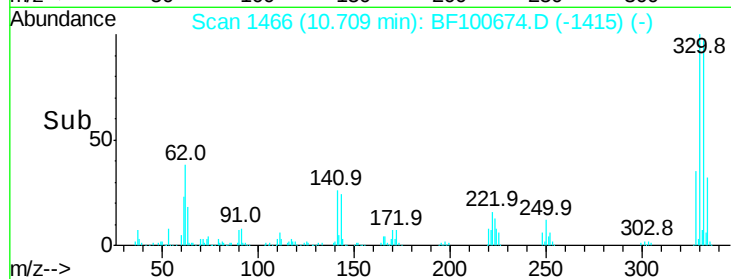
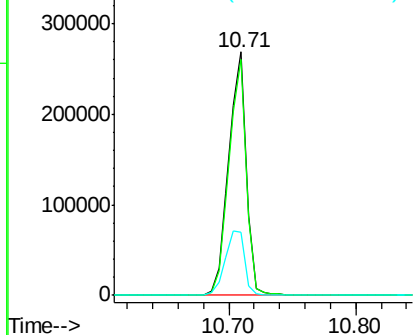
#41
 2,4,6-Tribromophenol
 Concen: 134.623 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF100674.D
 Acq: 17 Nov 2017 14:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	29.2	29.9	44.9#

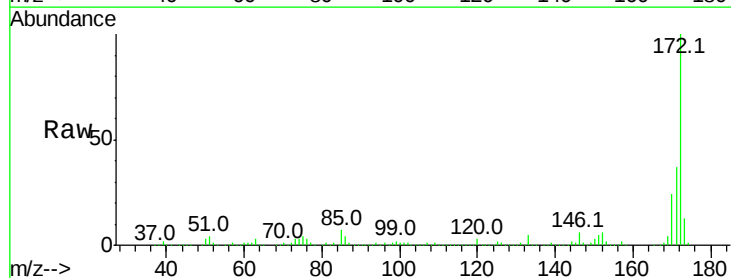


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

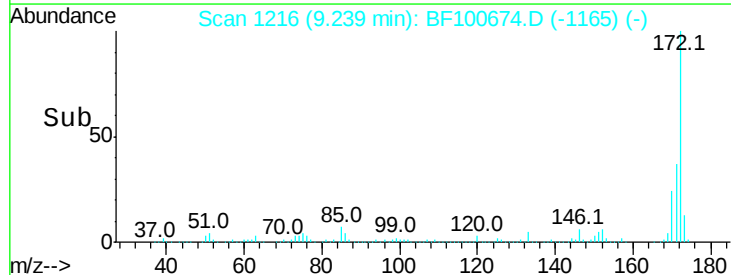
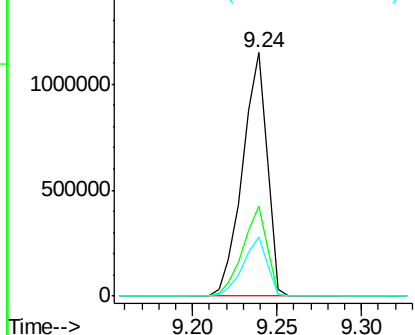


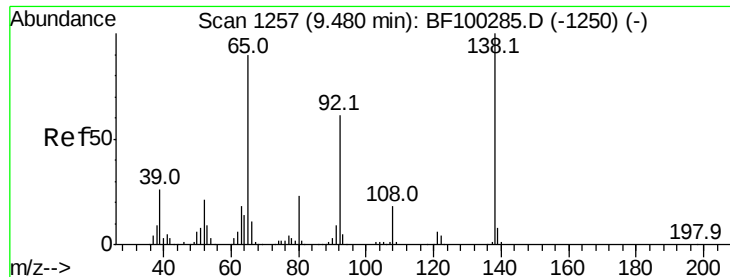
#44
 2-Fluorobiphenyl
 Concen: 95.397 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF100674.D
 Acq: 17 Nov 2017 14:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.3	19.6	29.4



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





#47

2-Nitroaniline

Concen: 3.319 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.16 min

Lab File: BF100674.D

Acq: 17 Nov 2017 14:24

Instrument :

BNA_F

ClientSampled :

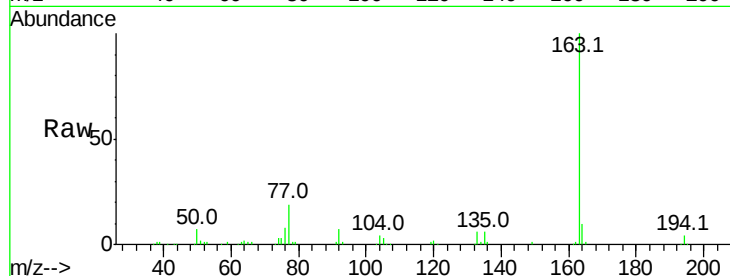
Tot Ion: 65 Resp: 1981

Ion Ratio Lower Upper

65 100

92 731.8 55.8 83.6#

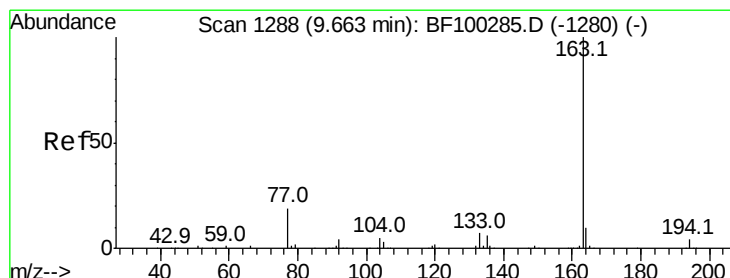
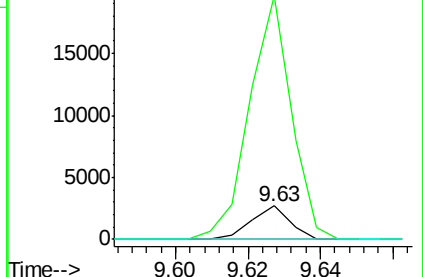
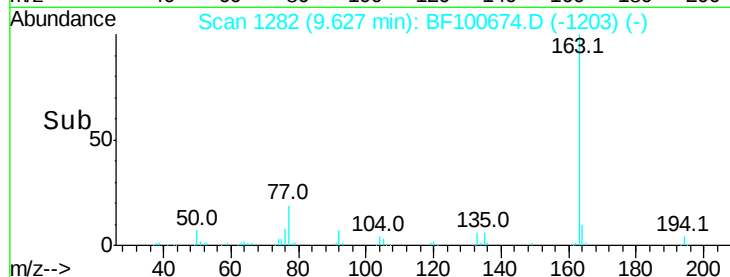
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 14.983 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF100674.D

Acq: 17 Nov 2017 14:24

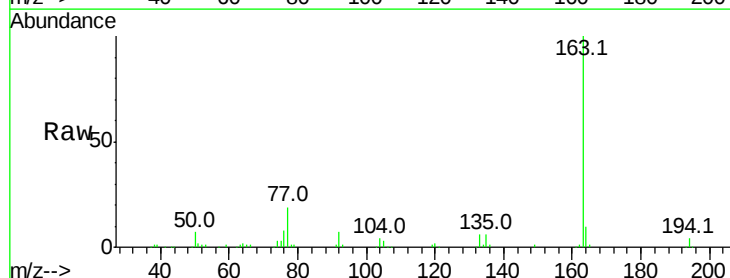
Tgt Ion:163 Resp: 215267

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

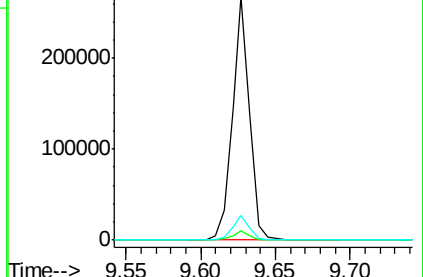
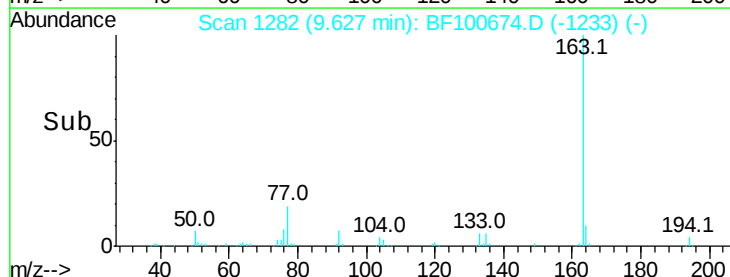
164 10.2 8.2 12.2

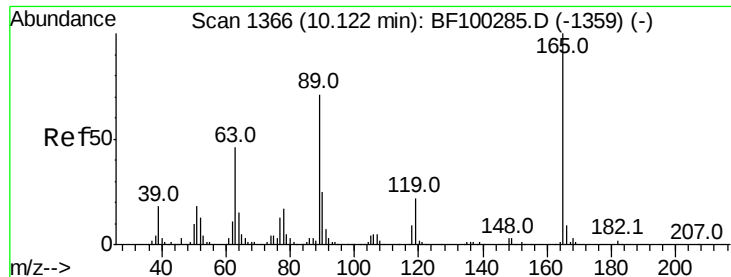


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

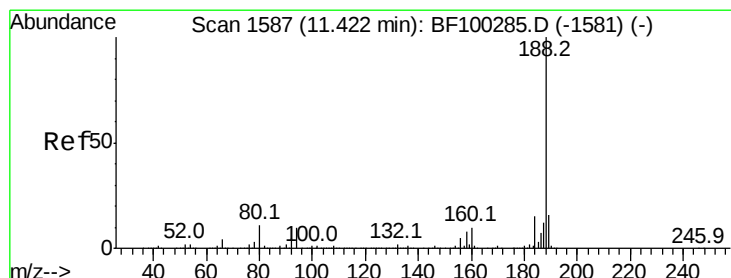
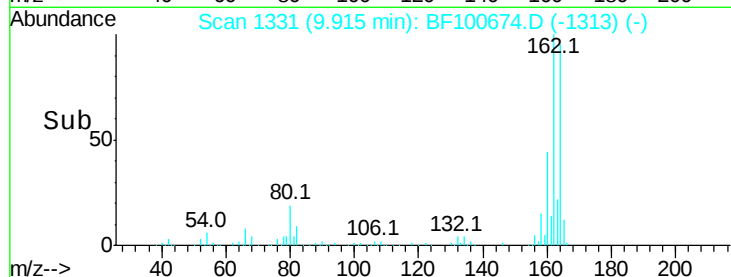
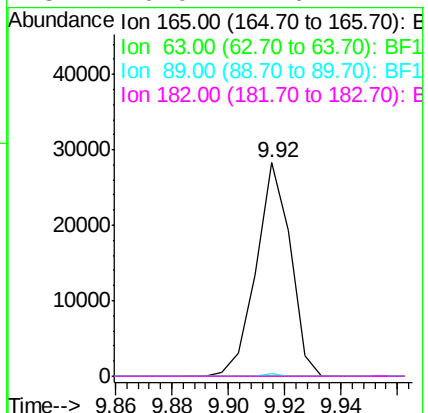
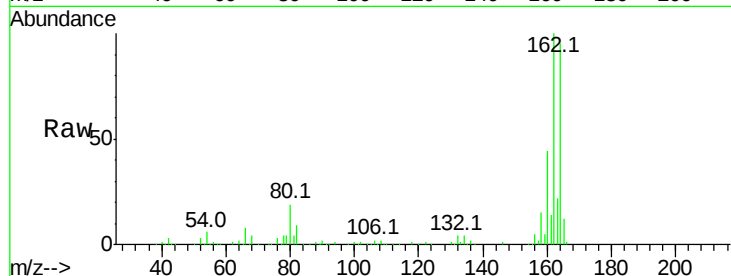




#56
 2,4-Dinitrotoluene
 Concen: 6.628 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100674.D
 Acq: 17 Nov 2017 14:24

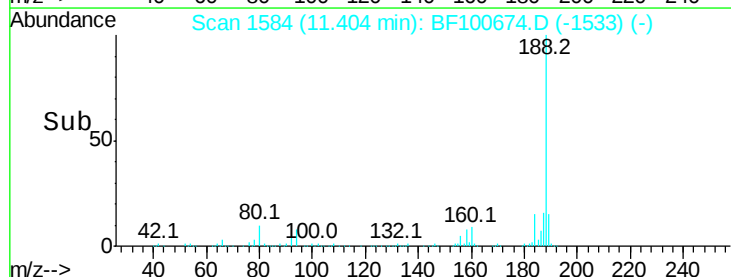
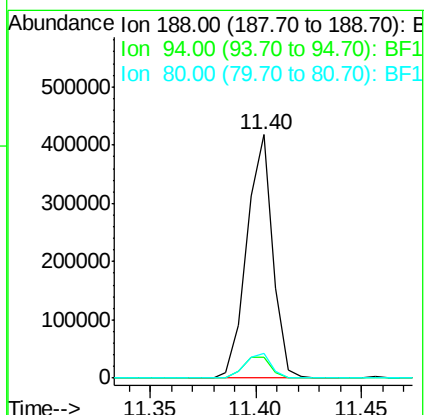
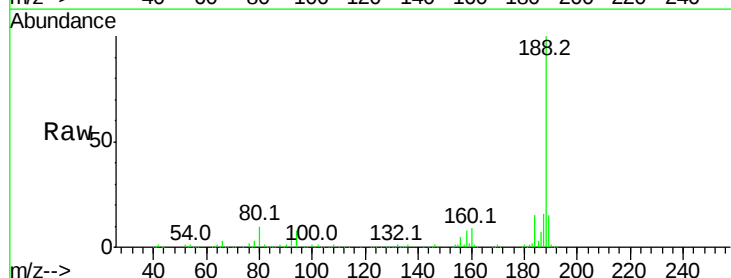
Instrument :
 BNA_F
 ClientSampleId :

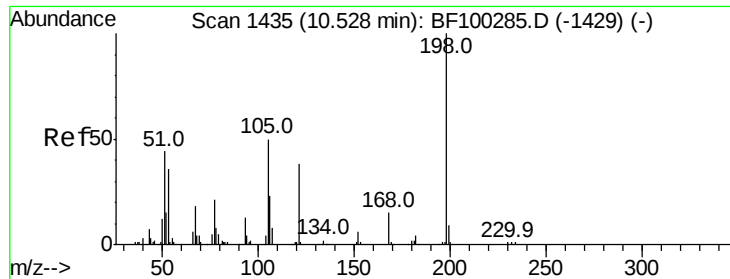
Tot Ion:165 Resp: 23780
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 1.2 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF100674.D
 Acq: 17 Nov 2017 14:24

Tgt Ion:188 Resp: 353446
 Ion Ratio Lower Upper
 188 100
 94 8.5 8.5 12.7
 80 10.0 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.805 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.19 min

Lab File: BF100674.D

Acq: 17 Nov 2017 14:24

Instrument :

BNA_F

ClientSampleId :

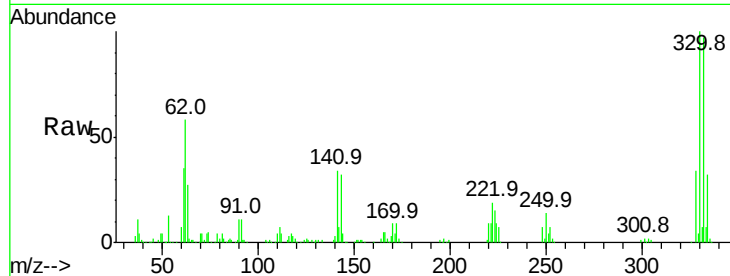
Tot Ion:198 Resp: 511

Ion Ratio Lower Upper

198 100

51 139.2 37.7 77.7#

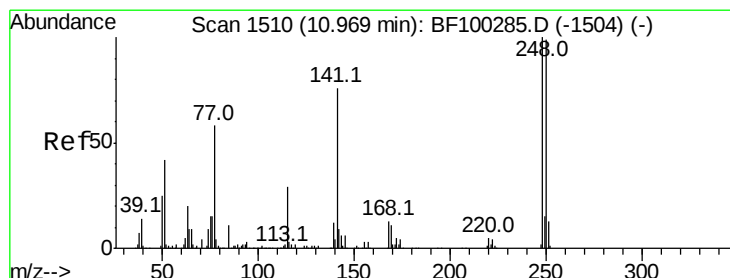
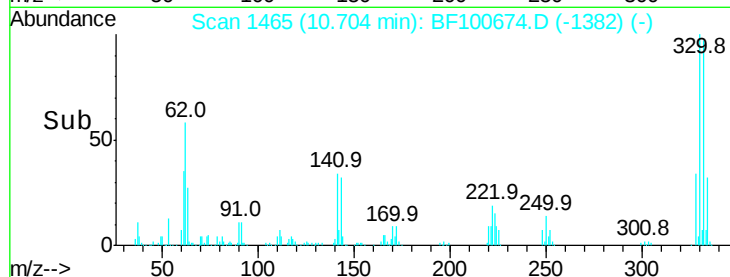
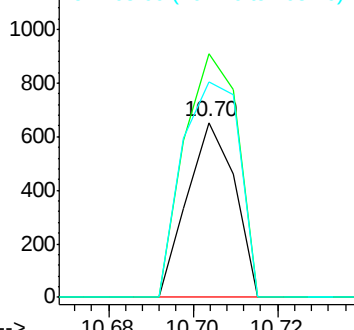
105 123.4 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.114 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF100674.D

Acq: 17 Nov 2017 14:24

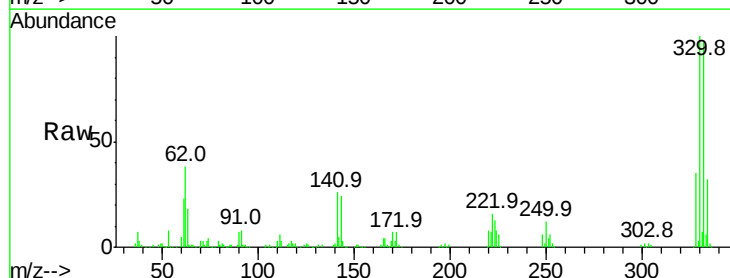
Tgt Ion:248 Resp: 15587

Ion Ratio Lower Upper

248 100

250 208.4 76.9 115.3#

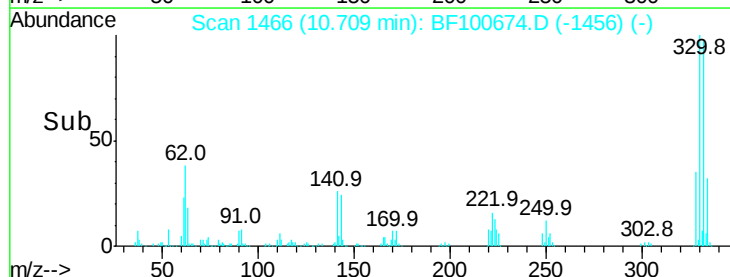
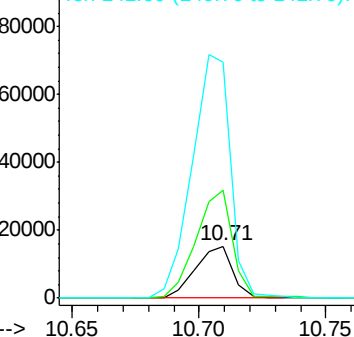
141 453.0 74.4 111.6#

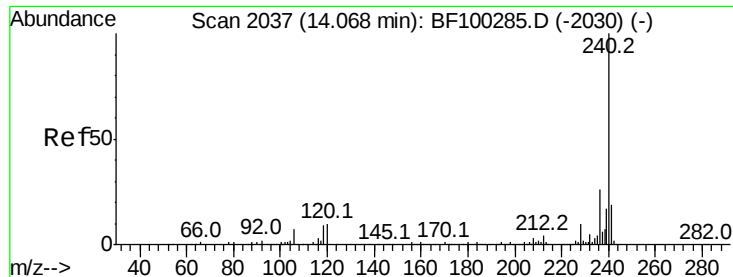


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100674.D

Acq: 17 Nov 2017 14:24

Instrument :

BNA_F

ClientSampleId :

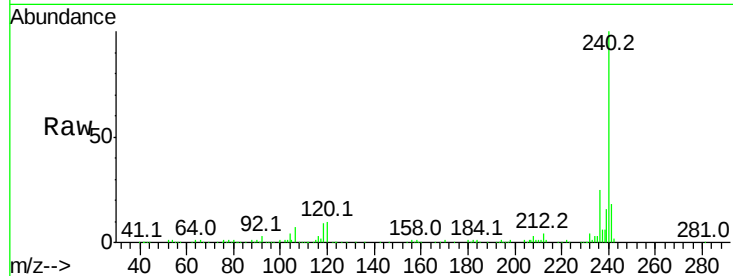
Tot Ion:240 Resp: 223470

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

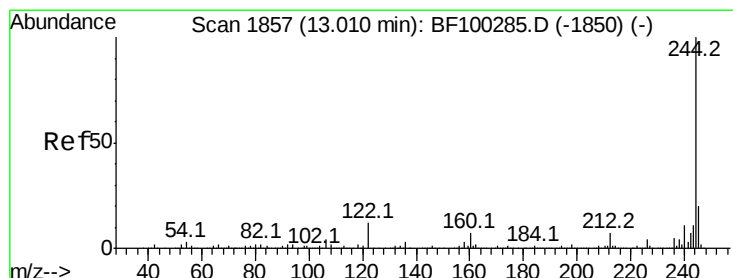
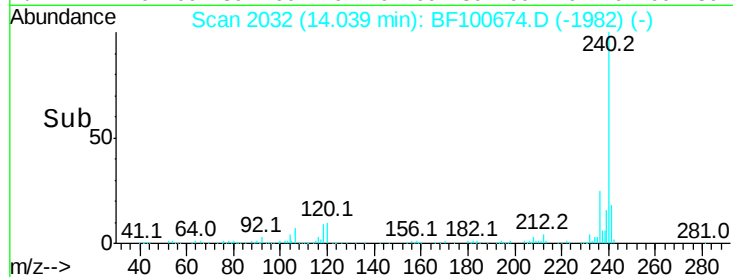
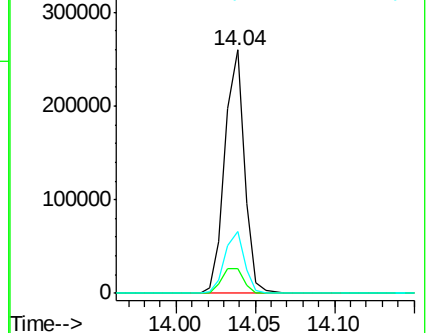
236 25.4 20.7 31.1



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



#78

Terphenyl-d14

Concen: 96.674 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF100674.D

Acq: 17 Nov 2017 14:24

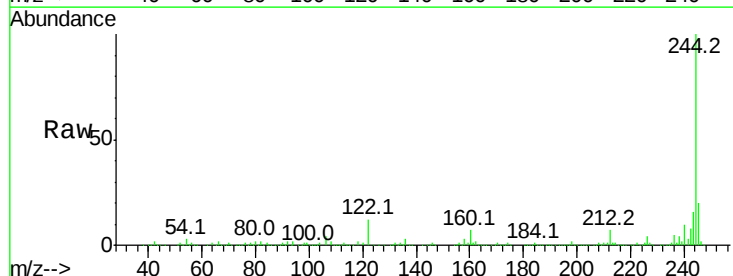
Tgt Ion:244 Resp: 940229

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

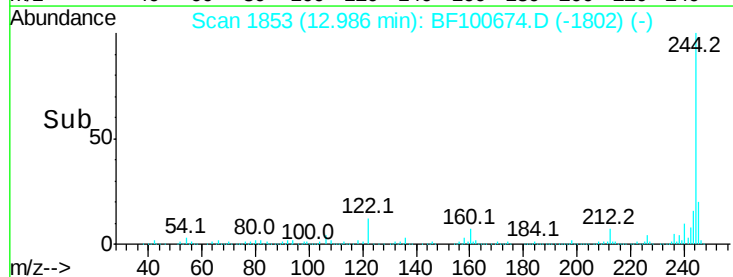
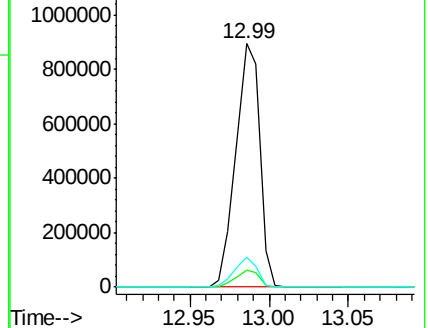
122 12.0 11.0 16.4

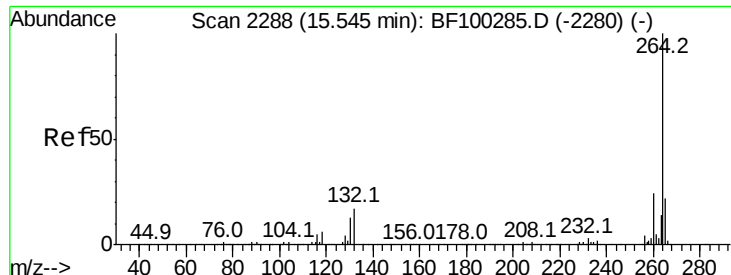


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

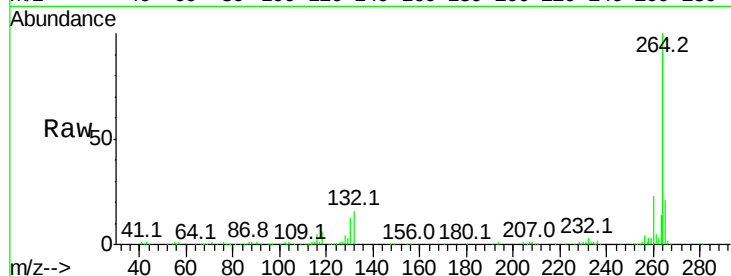




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: BF100674.D
 Acq: 17 Nov 2017 14:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	20.9	17.5	26.3



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

