

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100824.D
 Acq On : 22 Nov 2017 14:12
 Operator : SJ/JU
 Sample : I6565-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 22 17:27:26 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	6.87	152	77271	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	291008	20.00	ng	-0.01
38) Acenaphthene-d10	9.91	164	118903	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	180044	20.00	ng	0.00
75) Chrysene-d12	14.04	240	164532	20.00	ng	0.00
86) Perylene-d12	15.52	264	145427	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	210467	43.66	ng	0.00
7) Phenol-d6	6.50	99	263263	44.29	ng	-0.01
23) Nitrobenzene-d5	7.43	82	157067	35.68	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	55690	45.96	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	325670	41.71	ng	-0.01
78) Terphenyl-d14	12.98	244	221745	30.97	ng	0.00

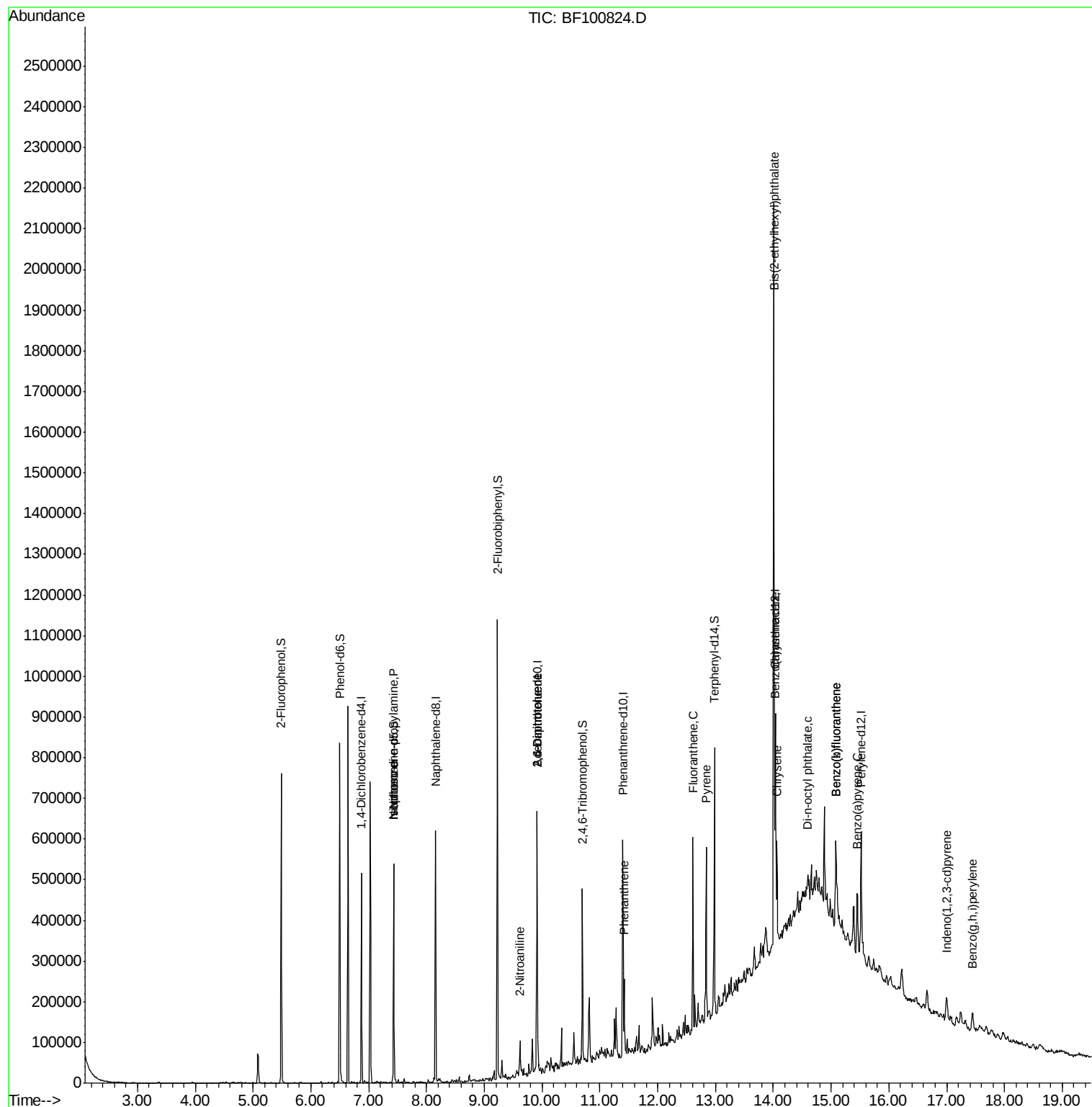
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.43	70	20234	4.908	ng	# 77
25) Isophorone	7.43	82	157065	16.981	ng	# 64
47) 2-Nitroaniline	9.62	65	401	2.955	ng	# 1
50) 2,6-Dinitrotoluene	9.91	165	15457	8.601	ng	# 24
56) 2,4-Dinitrotoluene	9.91	165	15457	6.818	ng	# 21
70) Phenanthrene	11.42	178	65328	6.891	ng	98
74) Fluoranthene	12.61	202	181152	18.031	ng	96
77) Pyrene	12.84	202	163701	13.958	ng	96
80) Benzo(a)anthracene	14.03	228	101640	10.258	ng	99
82) Chrysene	14.06	228	91430	9.529	ng	96
83) Bis(2-ethylhexyl)phthalate	14.01	149	513543	81.633	ng	99
84) Di-n-octyl phthalate	14.60	149	32815	3.036	ng	# 31
85) Indeno(1,2,3-cd)pyrene	17.00	276	36971	4.764	ng	# 88
87) Benzo(b)fluoranthene	15.09	252	146915	17.052	ng	# 94
88) Benzo(k)fluoranthene	15.09	252	146915	18.047	ng	# 97
89) Benzo(a)pyrene	15.45	252	72811	9.532	ng	# 92
91) Benzo(a,h,i)perylene	17.45	276	35360	5.783	ng	94

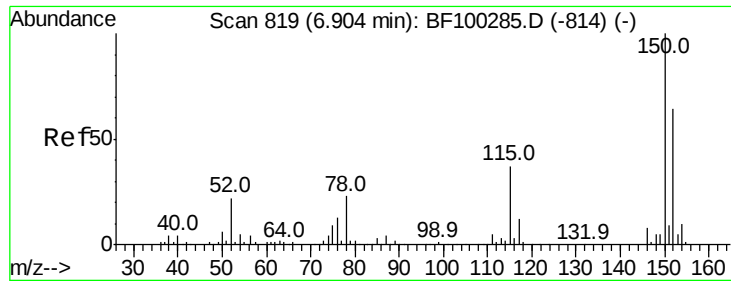
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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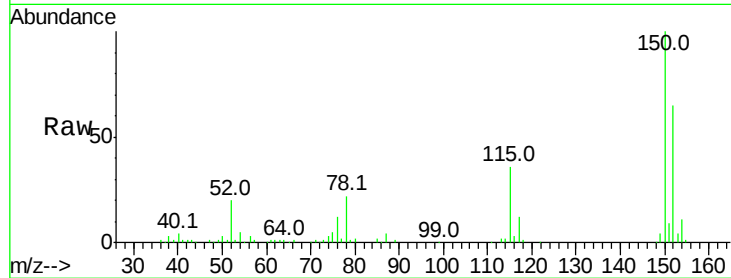


#1

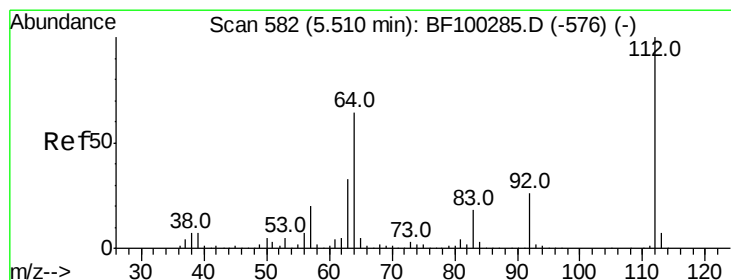
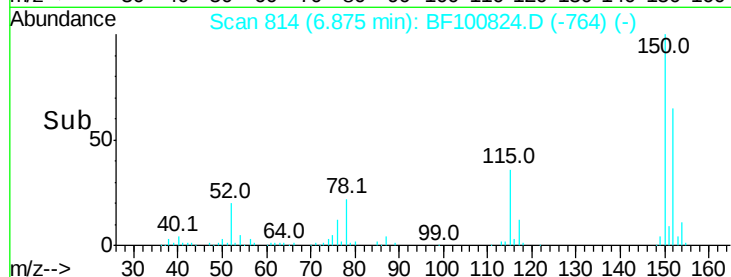
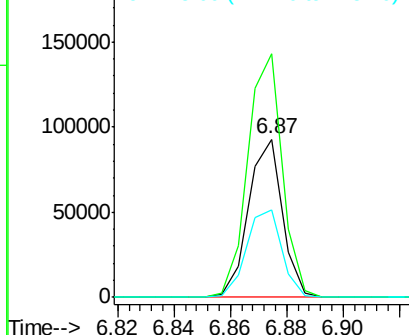
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100824.D
Acq: 22 Nov 2017 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 77271
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 55.3 50.1 75.1



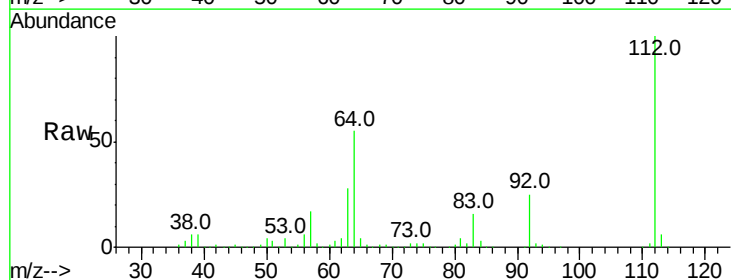
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



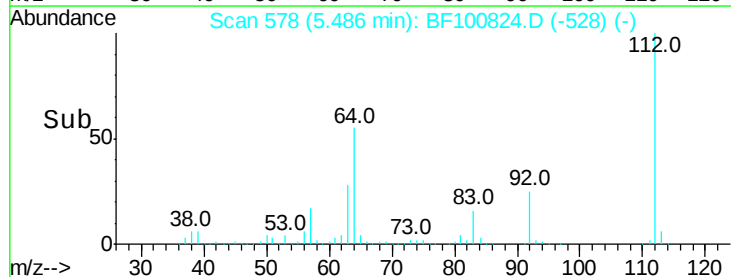
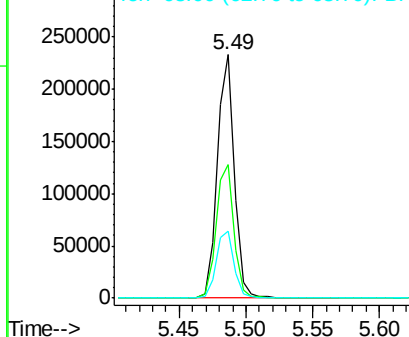
#5

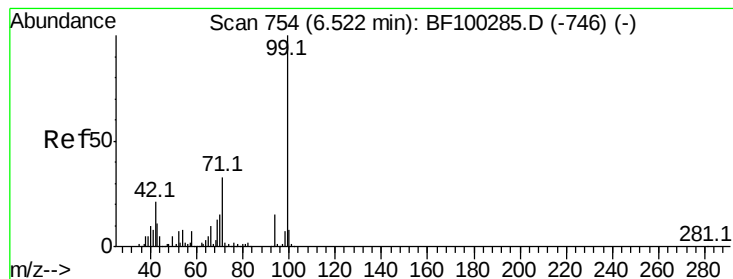
2-Fluorophenol
Concen: 43.661 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF100824.D
Acq: 22 Nov 2017 14:12

Tgt Ion:112 Resp: 210467
Ion Ratio Lower Upper
112 100
64 54.9 47.9 71.9
63 27.8 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: 44.289 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100824.D

Acq: 22 Nov 2017 14:12

Instrument :

BNA_F

ClientSampleId :

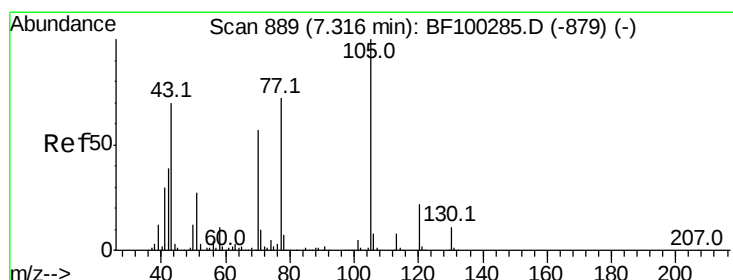
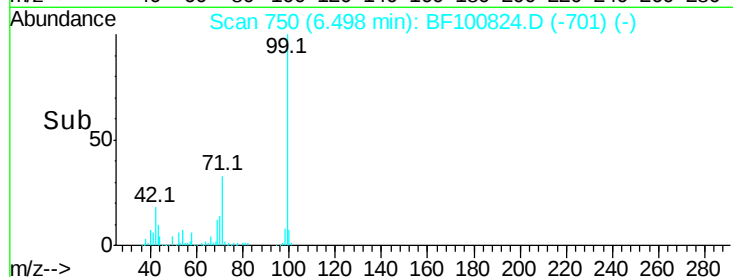
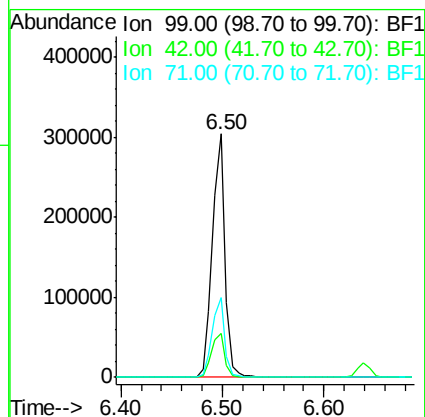
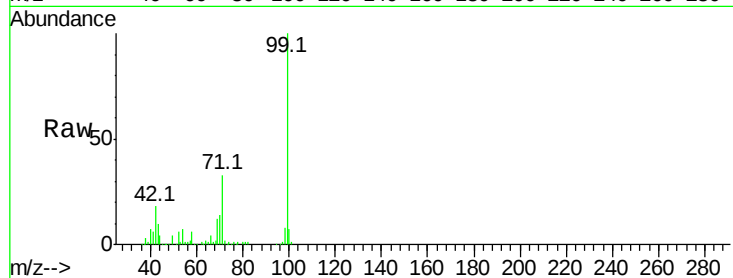
Tot Ion: 99 Resp: 263263

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

71 32.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.908 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF100824.D

Acq: 22 Nov 2017 14:12

Tgt Ion: 70 Resp: 20234

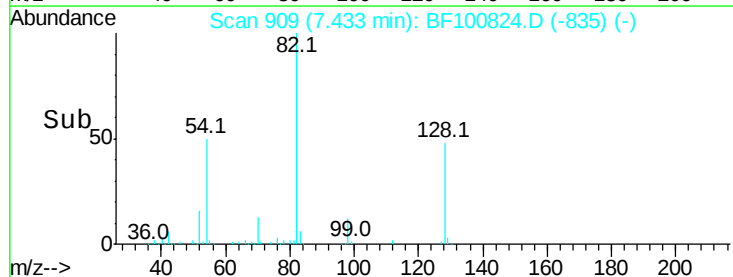
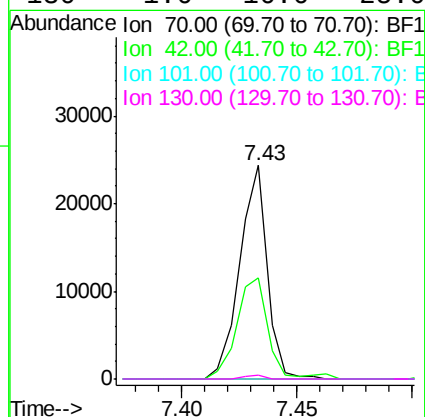
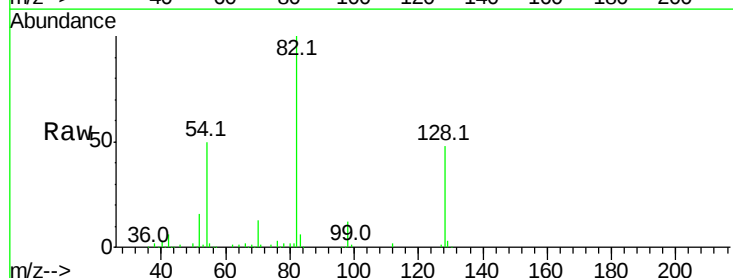
Ion Ratio Lower Upper

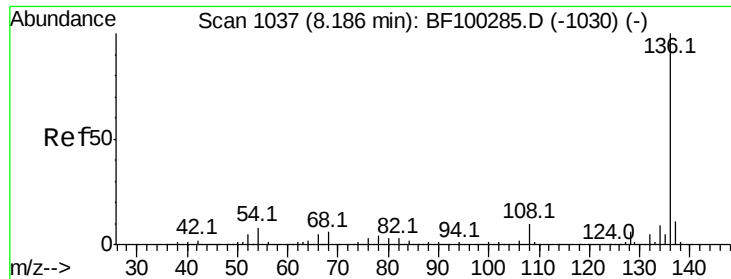
70 100

42 47.6 47.5 71.3

101 0.0 7.4 11.2#

130 1.6 16.6 25.0#

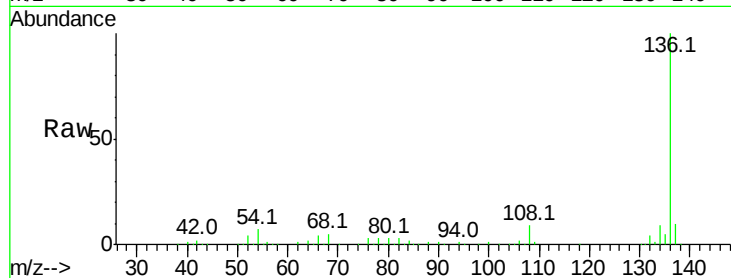




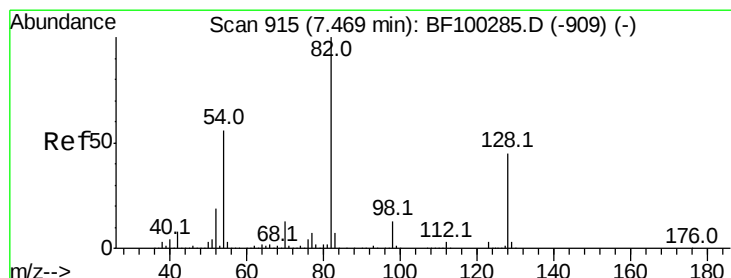
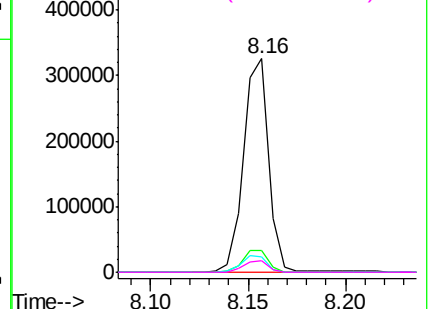
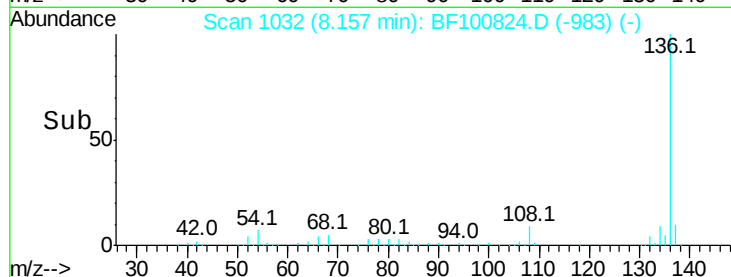
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF100824.D
Acq: 22 Nov 2017 14:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	291008
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	7.2	6.6	9.8
68	5.1	5.0	7.4

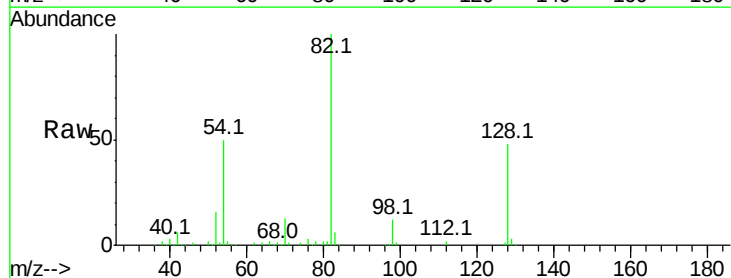


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

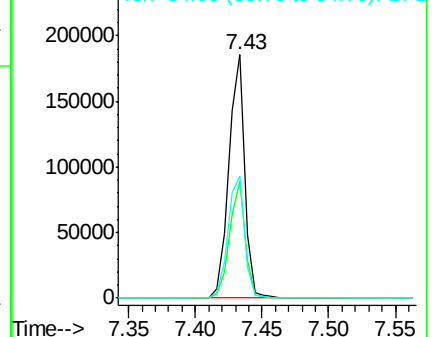
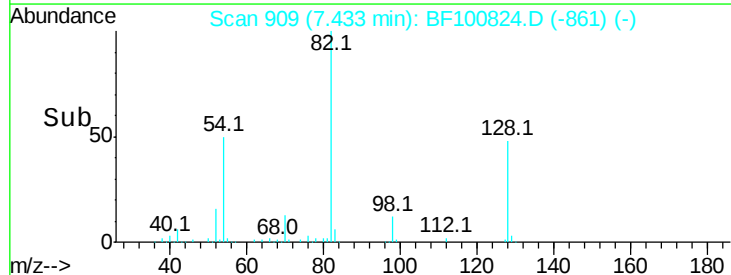


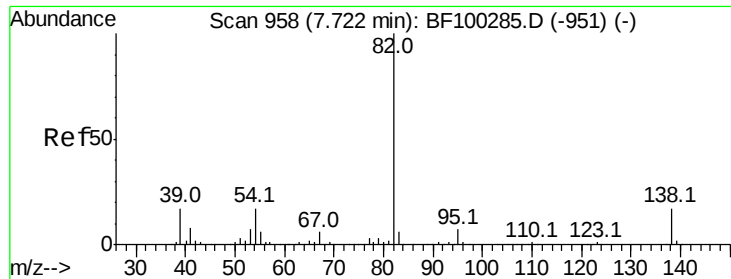
#23
Nitrobenzene-d5
Concen: 35.684 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100824.D
Acq: 22 Nov 2017 14:12

Tgt Ion:	82	Resp:	157067
Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.1	54.1
54	50.3	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.981 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.27 min

Lab File: BF100824.D

Acq: 22 Nov 2017 14:12

Instrument :

BNA_F

ClientSampled :

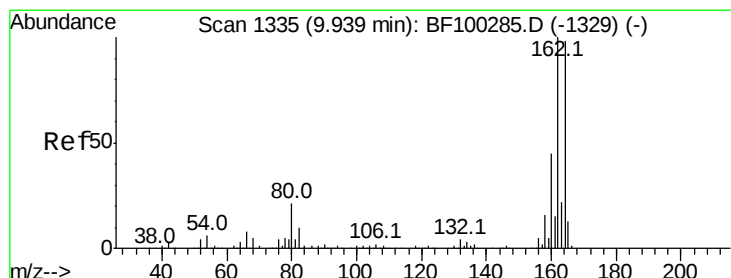
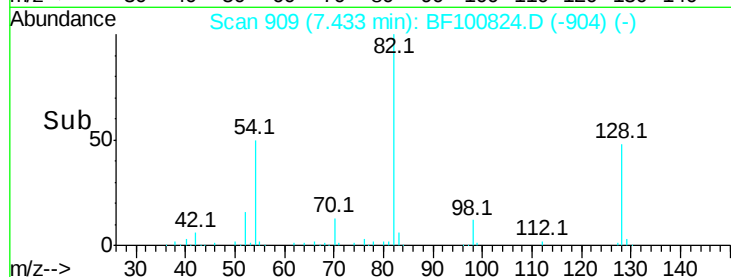
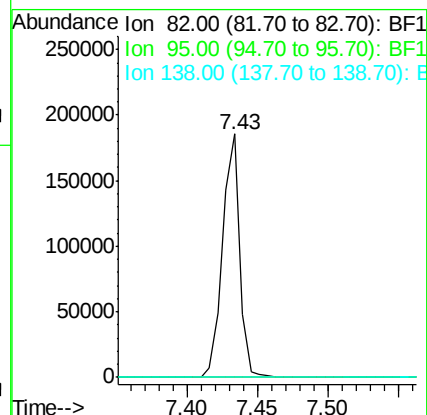
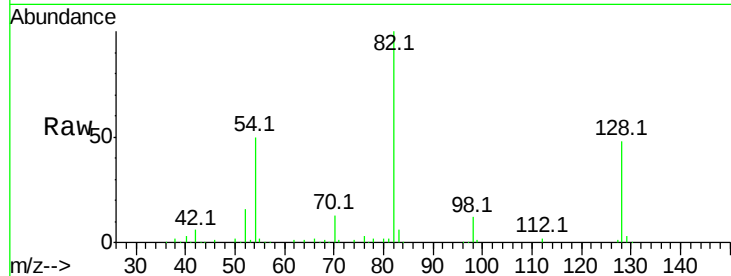
Tot Ion: 82 Resp: 157065

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100824.D

Acq: 22 Nov 2017 14:12

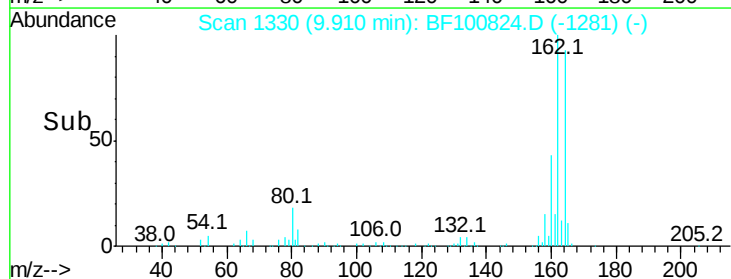
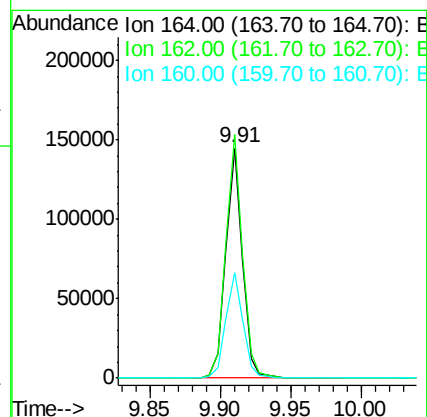
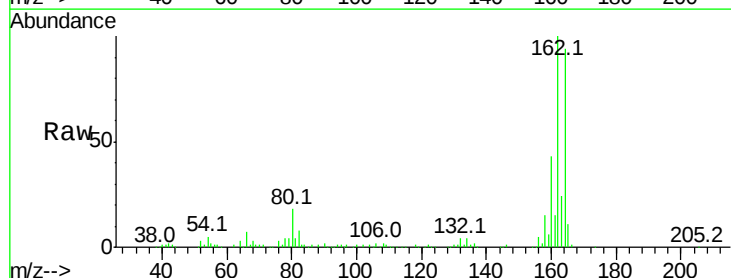
Tgt Ion:164 Resp: 118903

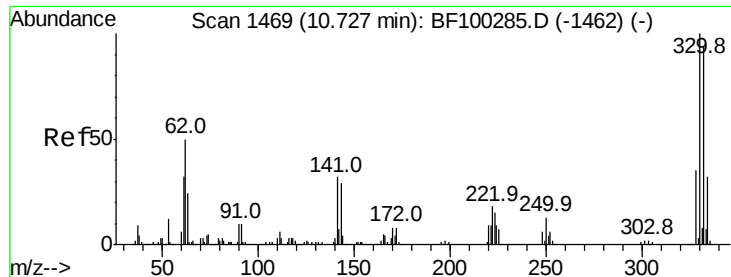
Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

160 45.7 38.3 57.5

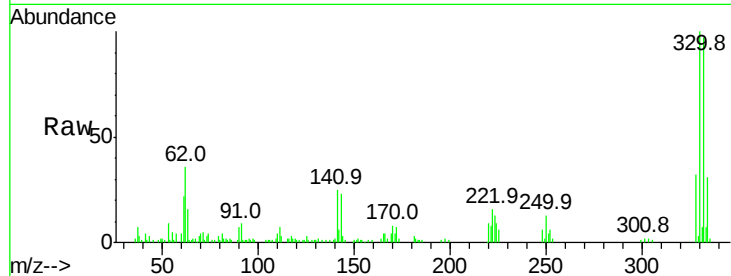




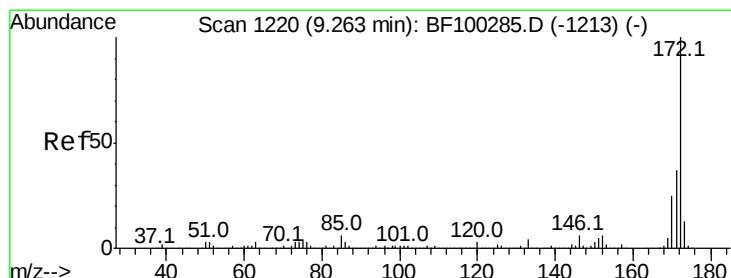
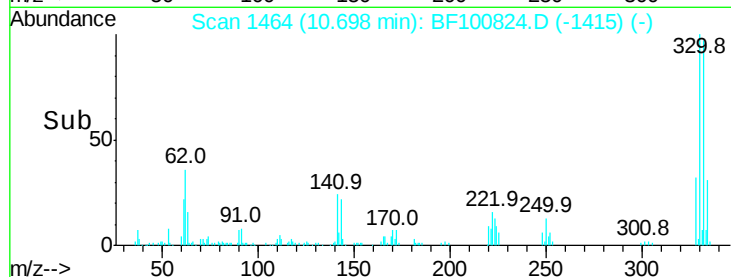
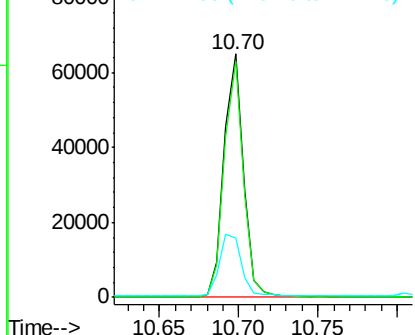
#41
 2,4,6-Tribromophenol
 Concen: 45.963 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100824.D
 Acq: 22 Nov 2017 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 55690
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 29.0 29.9 44.9#

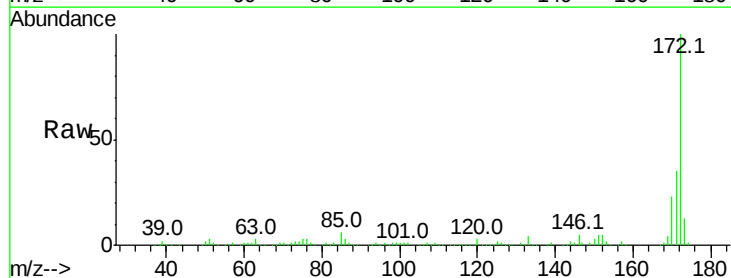


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

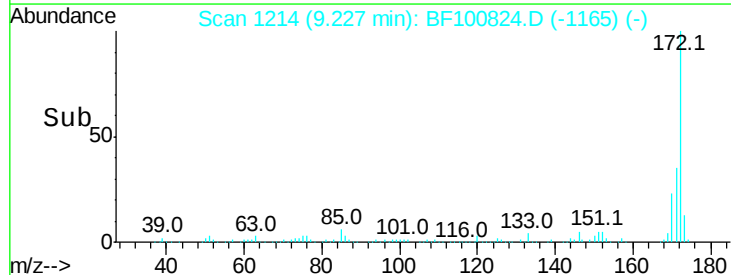
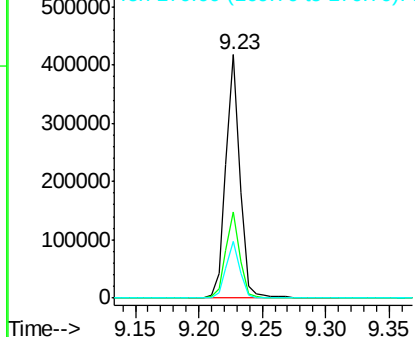


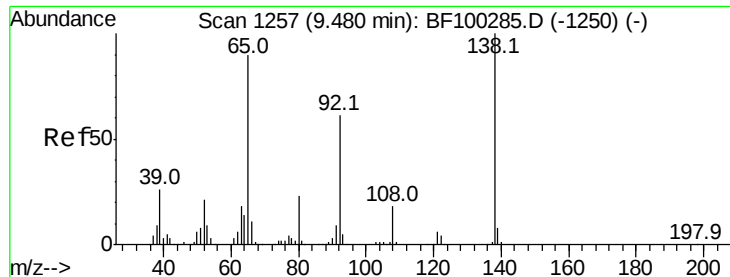
#44
 2-Fluorobiphenyl
 Concen: 41.706 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100824.D
 Acq: 22 Nov 2017 14:12

Tgt Ion:172 Resp: 325670
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.4 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: 2.955 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.16 min

Lab File: BF100824.D

Acq: 22 Nov 2017 14:12

Instrument :

BNA_F

ClientSampleId :

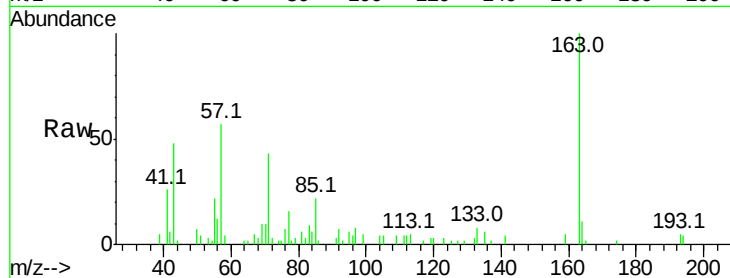
Tot Ion: 65 Resp: 401

Ion Ratio Lower Upper

65 100

92 274.0 55.8 83.6#

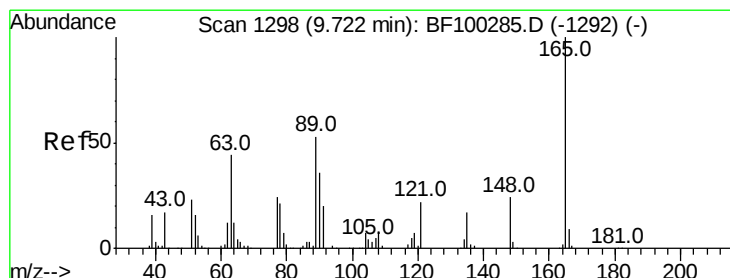
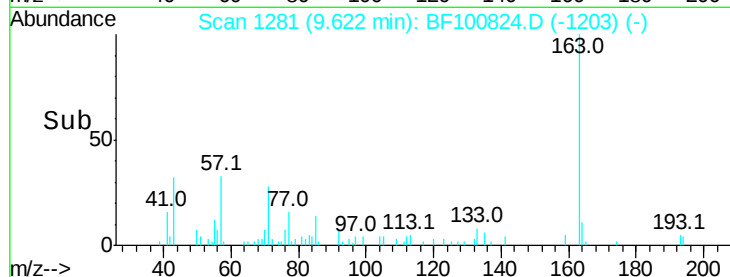
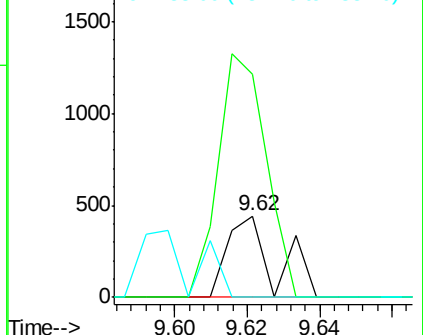
138 0.0 91.2 136.8#



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



#50

2,6-Dinitrotoluene

Concen: 8.601 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF100824.D

Acq: 22 Nov 2017 14:12

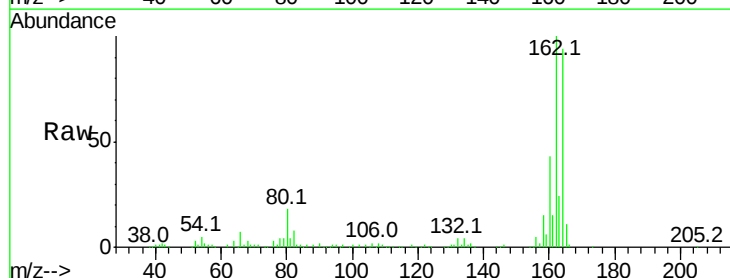
Tgt Ion: 165 Resp: 15457

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

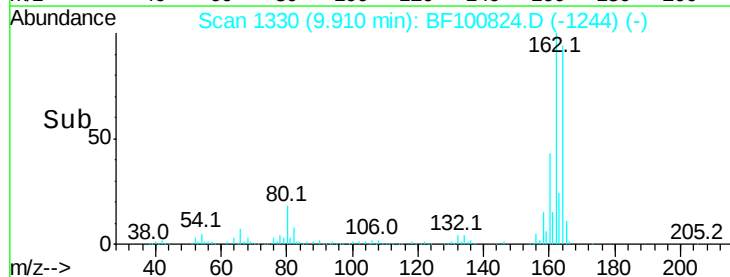
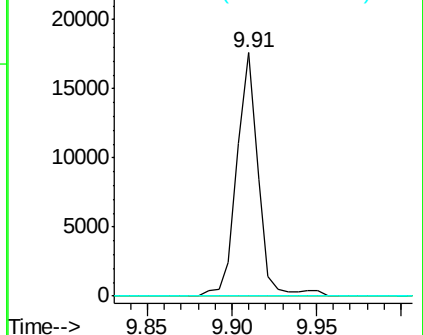
89 0.0 44.0 66.0#

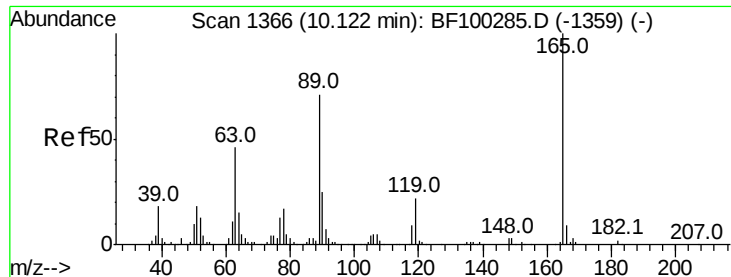


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

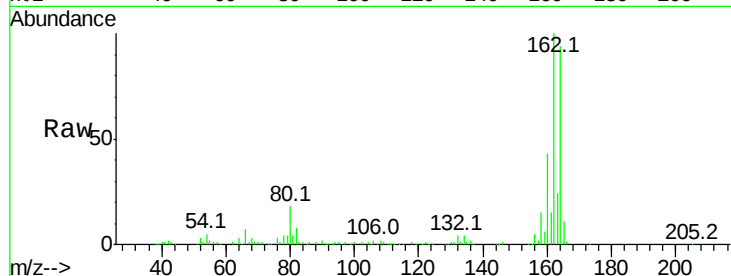




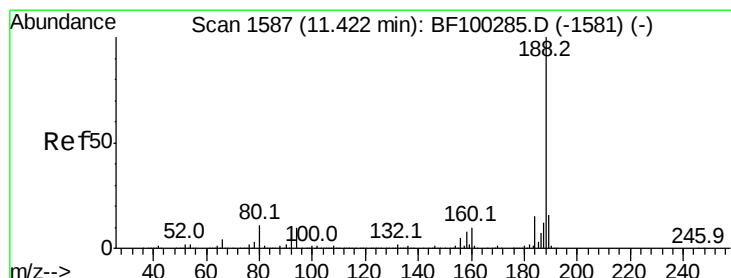
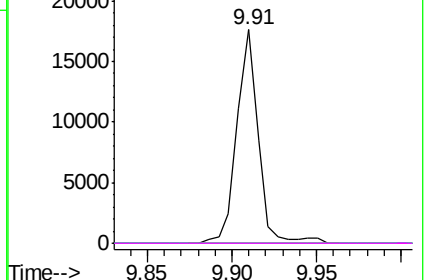
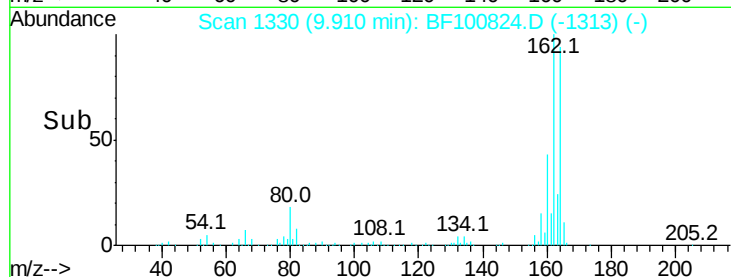
#56
 2,4-Dinitrotoluene
 Concen: 6.818 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF100824.D
 Acq: 22 Nov 2017 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 15457
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

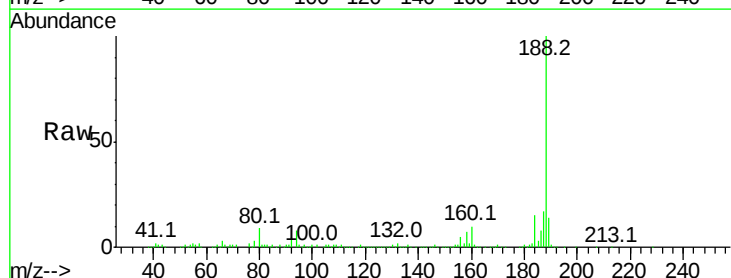


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

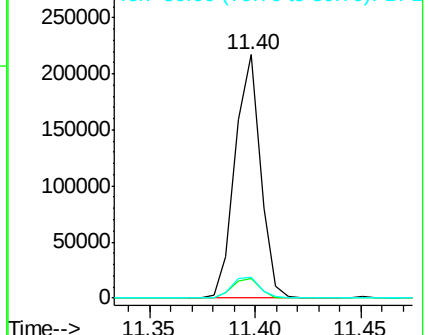
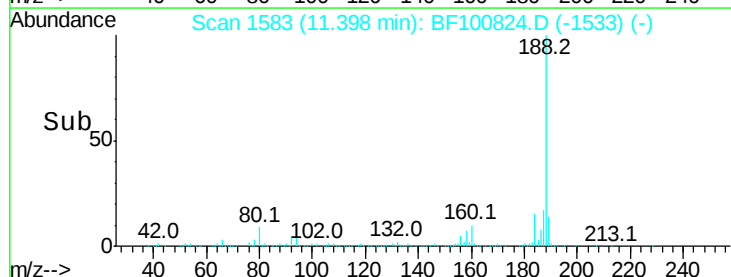


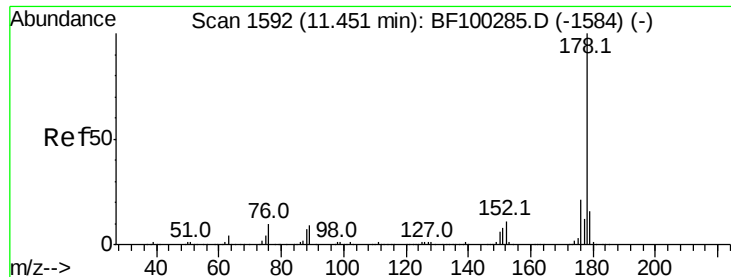
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF100824.D
 Acq: 22 Nov 2017 14:12

Tgt Ion:188 Resp: 180044
 Ion Ratio Lower Upper
 188 100
 94 8.2 8.5 12.7#
 80 8.5 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 6.891 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF100824.D

Acq: 22 Nov 2017 14:12

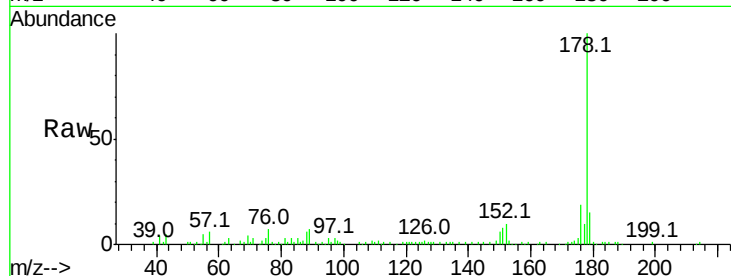
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 65328

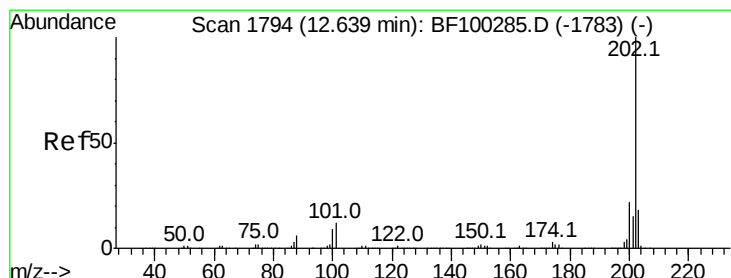
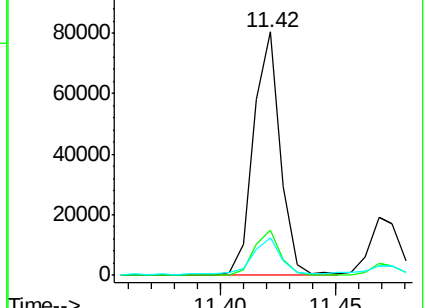
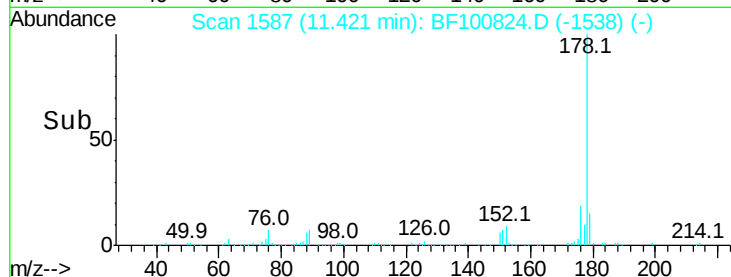
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.4	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 18.031 ng

RT: 12.61 min Scan# 1789

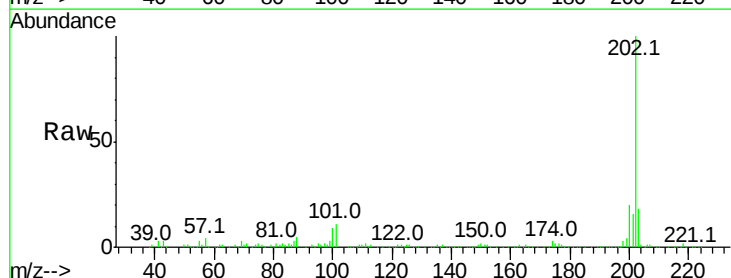
Delta R.T. -0.01 min

Lab File: BF100824.D

Acq: 22 Nov 2017 14:12

Tgt Ion:202 Resp: 181152

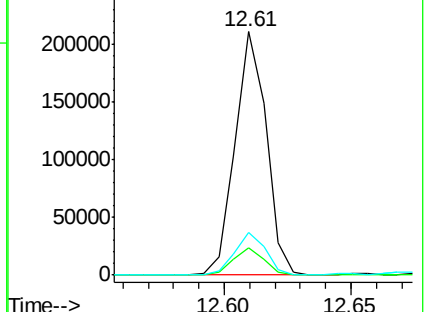
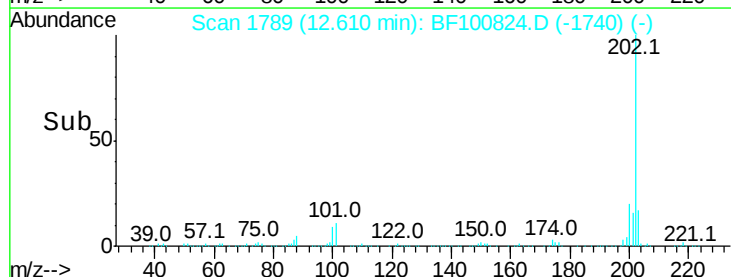
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.1
203	17.7	0.0	38.1

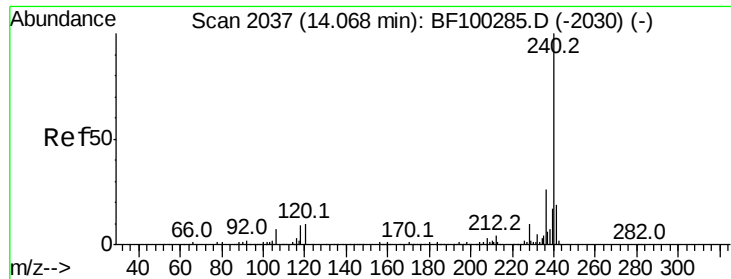


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100824.D

Acq: 22 Nov 2017 14:12

Instrument :

BNA_F

ClientSampleId :

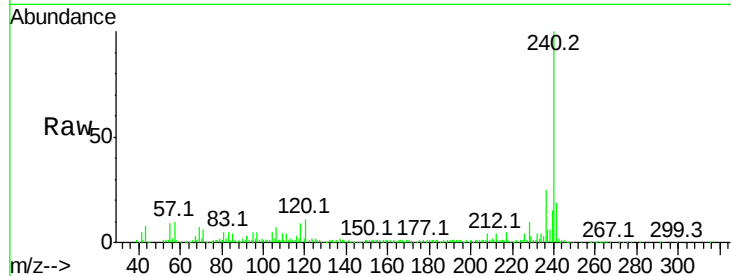
Tot Ion:240 Resp: 164532

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

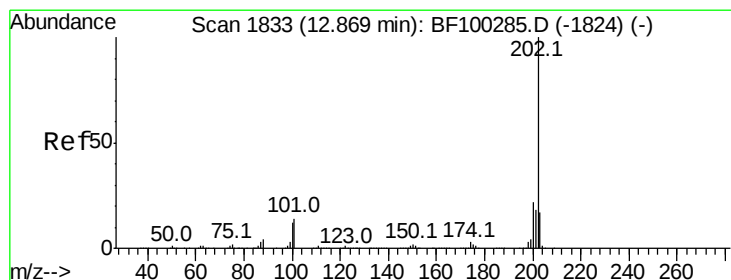
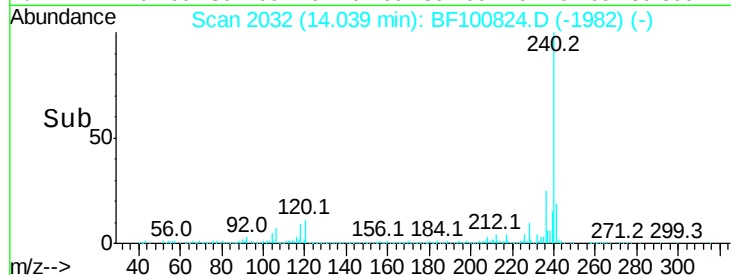
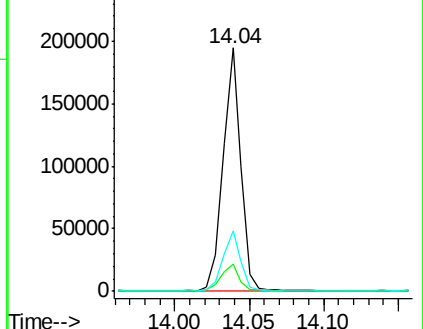
236 25.0 20.7 31.1



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



#77

Pyrene

Concen: 13.958 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF100824.D

Acq: 22 Nov 2017 14:12

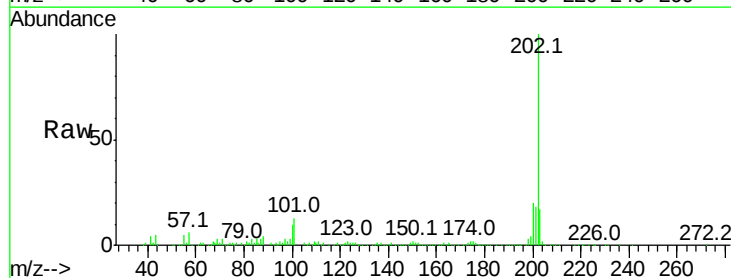
Tgt Ion:202 Resp: 163701

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

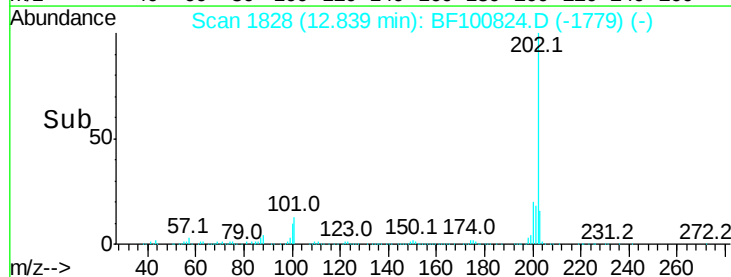
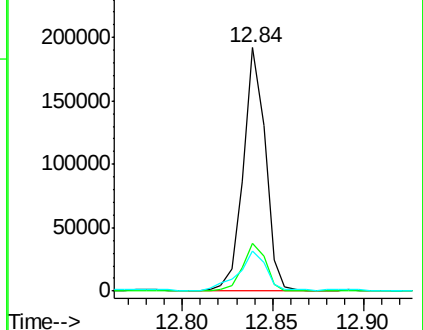
203 16.6 14.3 21.5

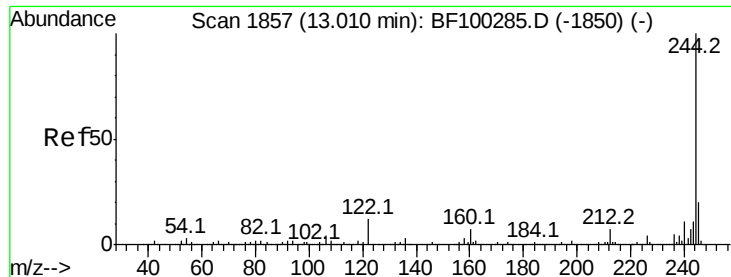


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

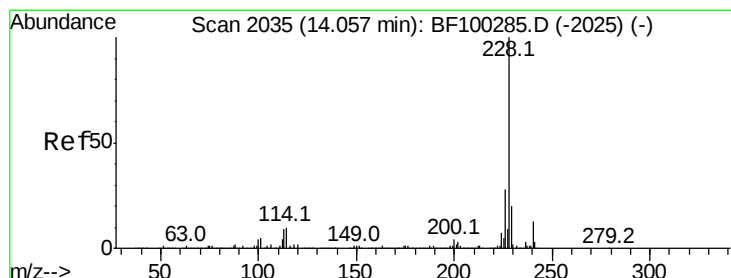
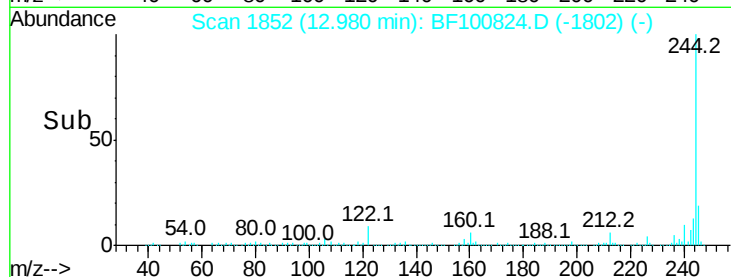
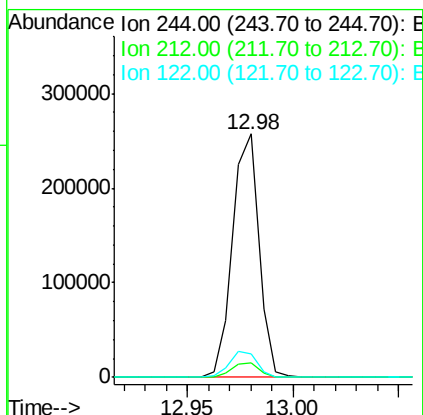
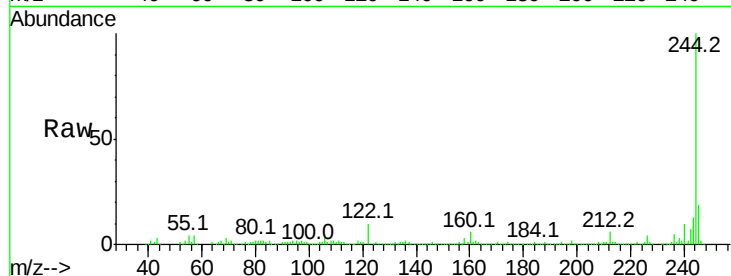




#78
 Terphenyl-d14
 Concen: 30.967 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100824.D
 Acq: 22 Nov 2017 14:12

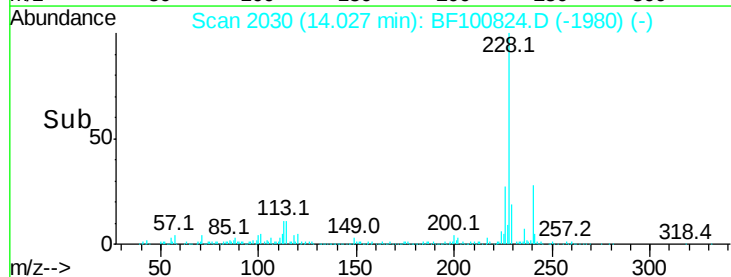
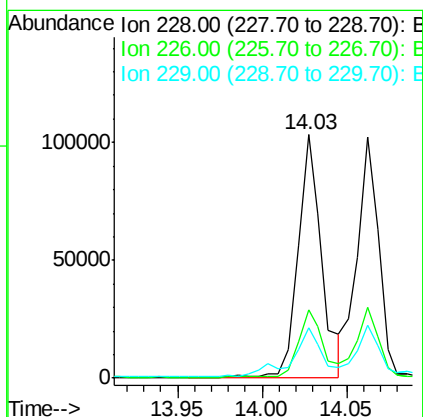
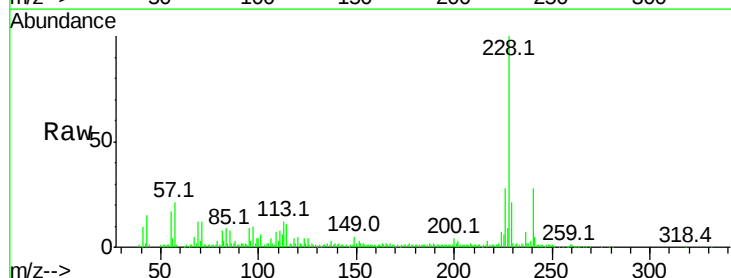
Instrument :
 BNA_F
 ClientSampleId :

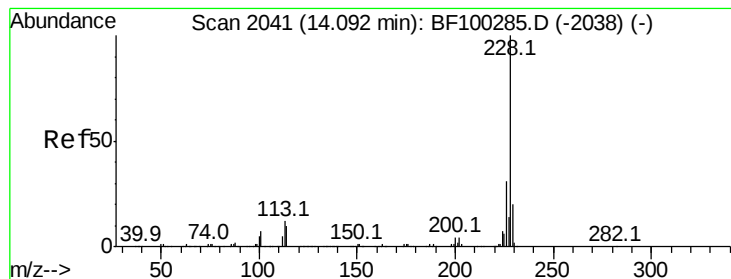
Tot Ion:244 Resp: 221745
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 9.6 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 10.258 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF100824.D
 Acq: 22 Nov 2017 14:12

Tgt Ion:228 Resp: 101640
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.6 33.8
 229 20.5 15.8 23.6





#82

Chrysene

Concen: 9.529 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100824.D

Acq: 22 Nov 2017 14:12

Instrument :

BNA_F

ClientSampleId :

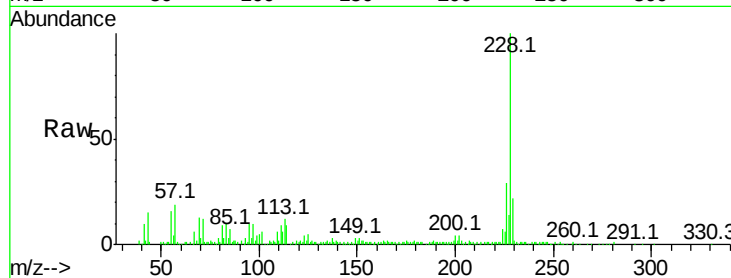
Tot Ion:228 Resp: 91430

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

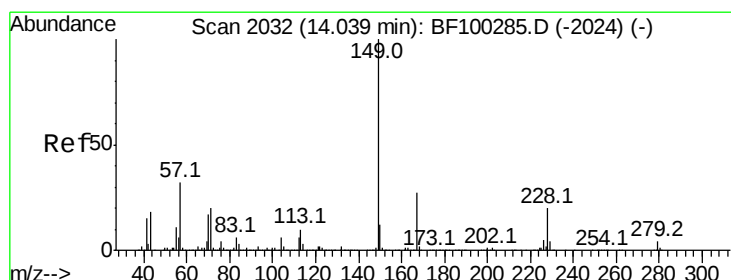
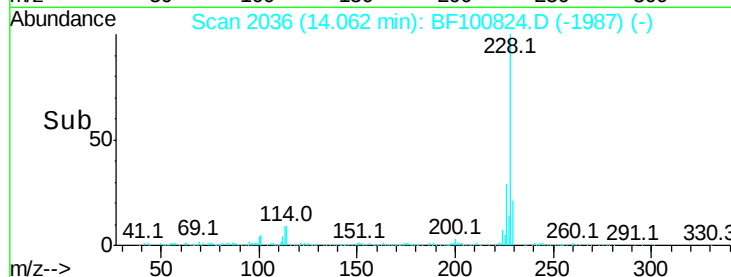
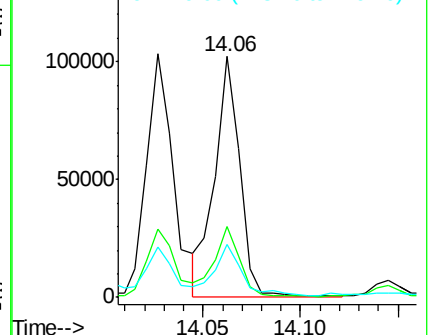
229 21.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 81.633 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF100824.D

Acq: 22 Nov 2017 14:12

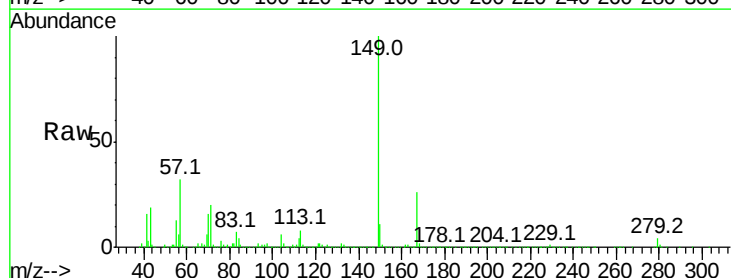
Tgt Ion:149 Resp: 513543

Ion Ratio Lower Upper

149 100

167 25.8 21.3 31.9

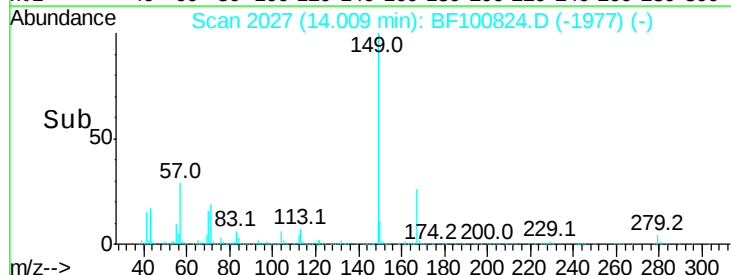
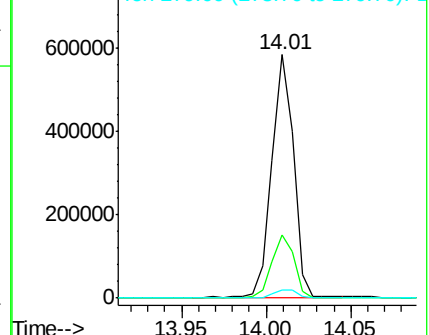
279 3.6 3.0 4.4

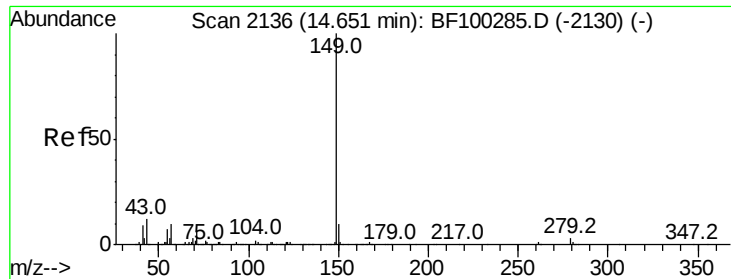


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

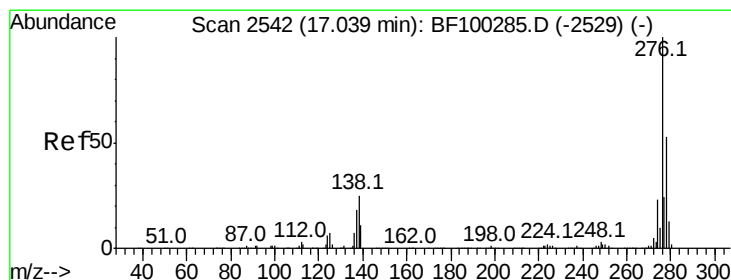
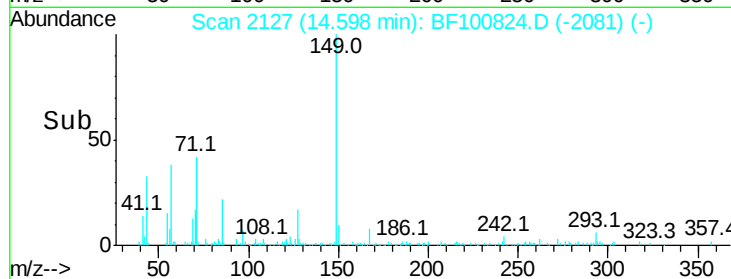
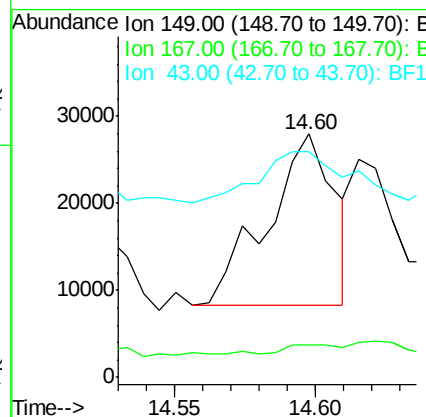
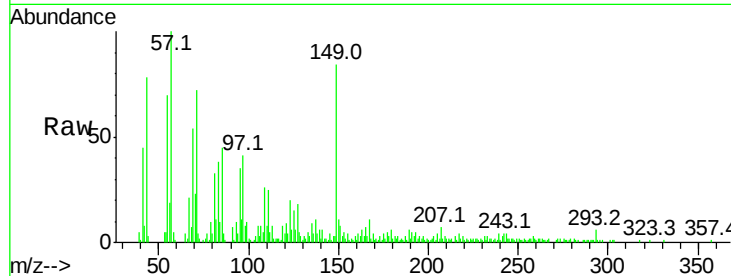




#84
Di-n-octyl phthalate
Concen: 3.036 ng
RT: 14.60 min Scan# 2127
Delta R.T. -0.03 min
Lab File: BF100824.D
Acq: 22 Nov 2017 14:12

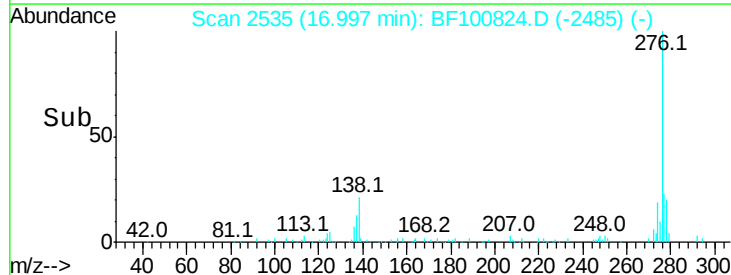
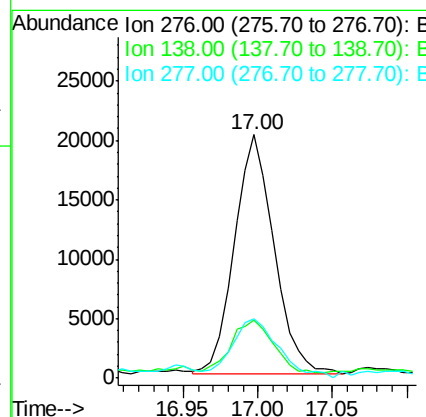
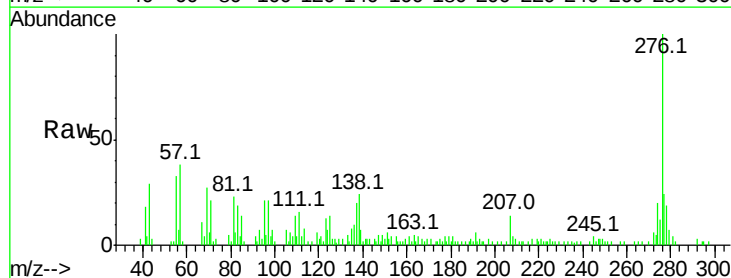
Instrument :
BNA_F
ClientSampleId :

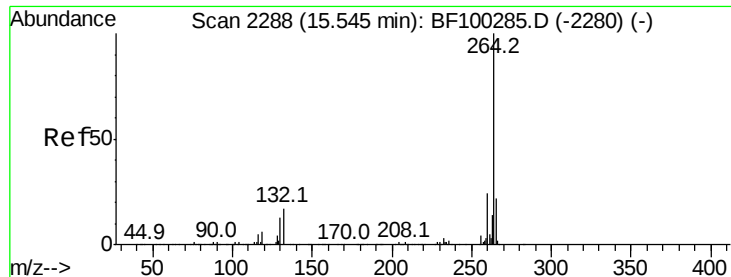
Tot Ion:149 Resp: 32815
Ion Ratio Lower Upper
149 100
167 5.9 1.2 1.8#
43 39.3 8.4 12.6#



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.764 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF100824.D
Acq: 22 Nov 2017 14:12

Tgt Ion:276 Resp: 36971
Ion Ratio Lower Upper
276 100
138 23.2 25.0 37.6#
277 29.6 20.1 30.1

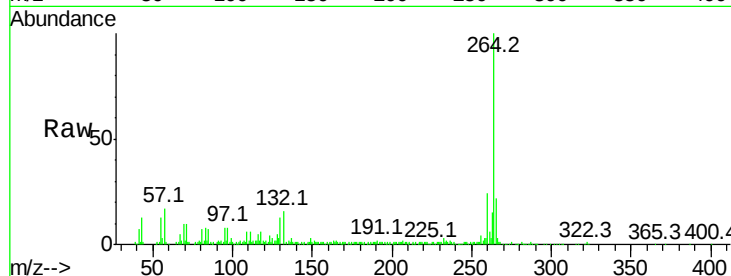




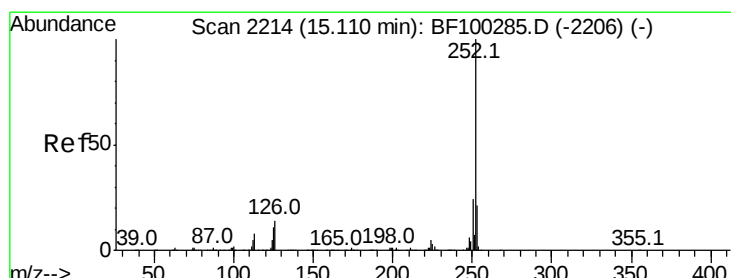
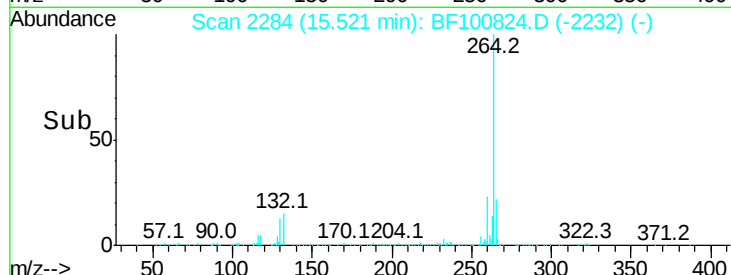
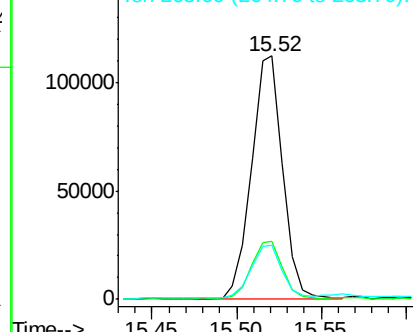
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF100824.D
Acq: 22 Nov 2017 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.4	17.5	26.3

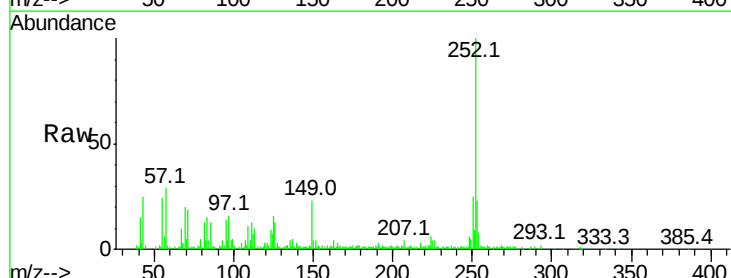


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

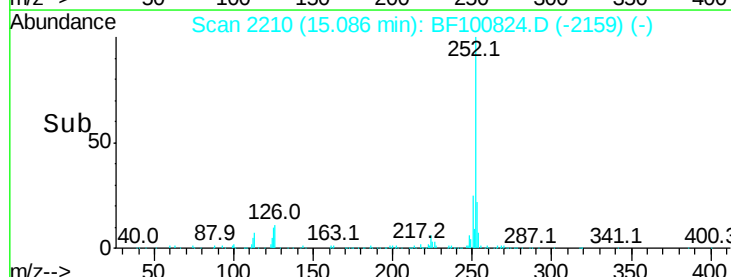
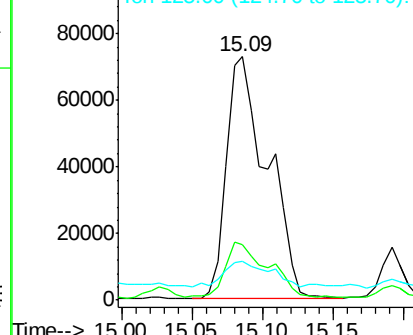


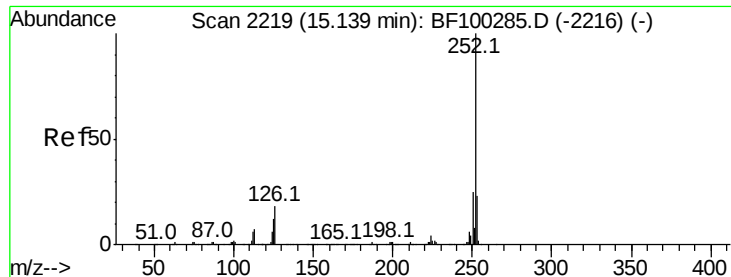
#87
Benzo(b)fluoranthene
Concen: 17.052 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BF100824.D
Acq: 22 Nov 2017 14:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	16.0	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

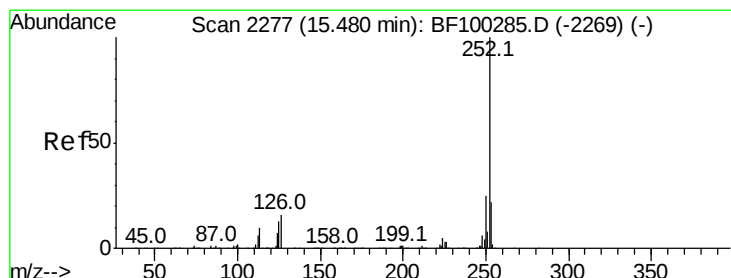
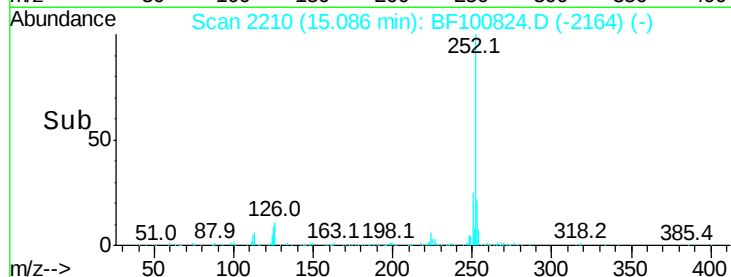
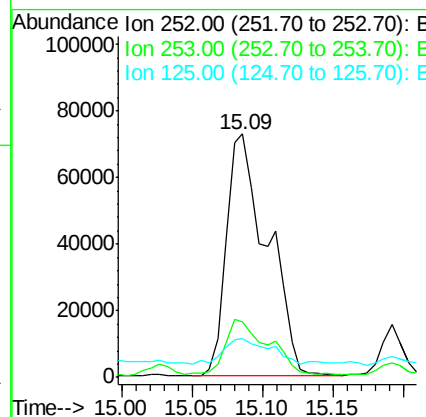
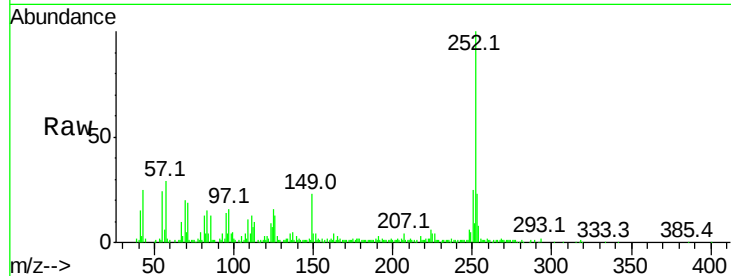




#88
Benzo(k)fluoranthene
Concen: 18.047 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.03 min
Lab File: BF100824.D
Acq: 22 Nov 2017 14:12

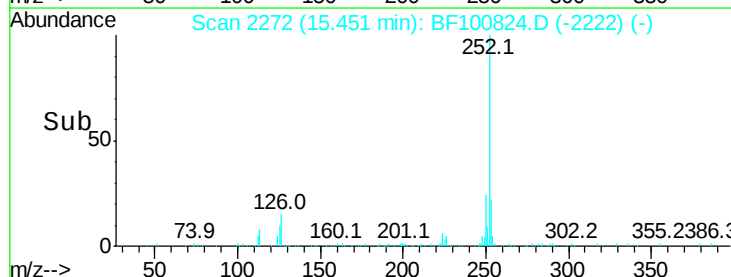
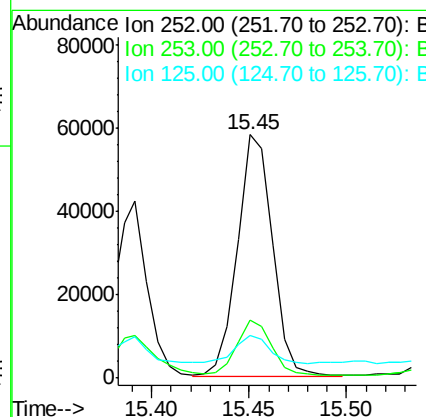
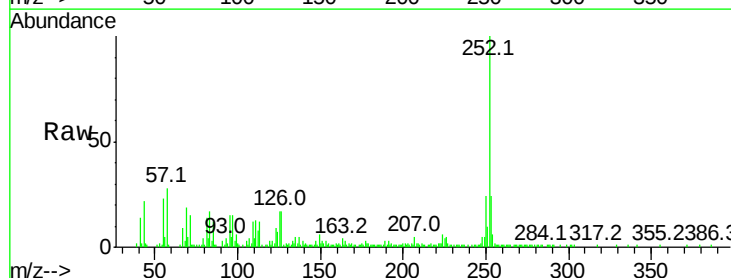
Instrument :
BNA_F
ClientSampleId :

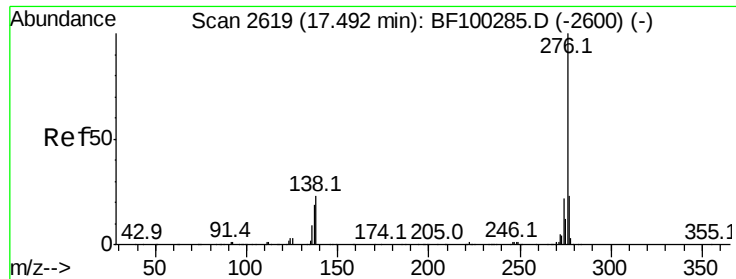
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	16.0	10.2	15.2



#89
Benzo(a)pyrene
Concen: 9.532 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF100824.D
Acq: 22 Nov 2017 14:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	17.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.783 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. -0.01 min
 Lab File: BF100824.D
 Acq: 22 Nov 2017 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	23.0	21.8	32.8

