

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101324.D
 Acq On : 12 Dec 2017 9:38
 Operator : SJ/JU
 Sample : I6802-01
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 12 10:13:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	36326	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	139741	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	56643	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	98855	20.00	ng	0.00
75) Chrysene-d12	14.01	240	76431	20.00	ng	0.00
86) Perylene-d12	15.49	264	59362	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	153096	69.64	ng	0.01
7) Phenol-d6	6.47	99	269577	101.00	ng	0.00
23) Nitrobenzene-d5	7.40	82	157250	67.13	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	19424	28.55	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	336920	81.38	ng	0.00
78) Terphenyl-d14	12.95	244	266734	76.33	ng	0.00

Target Compounds

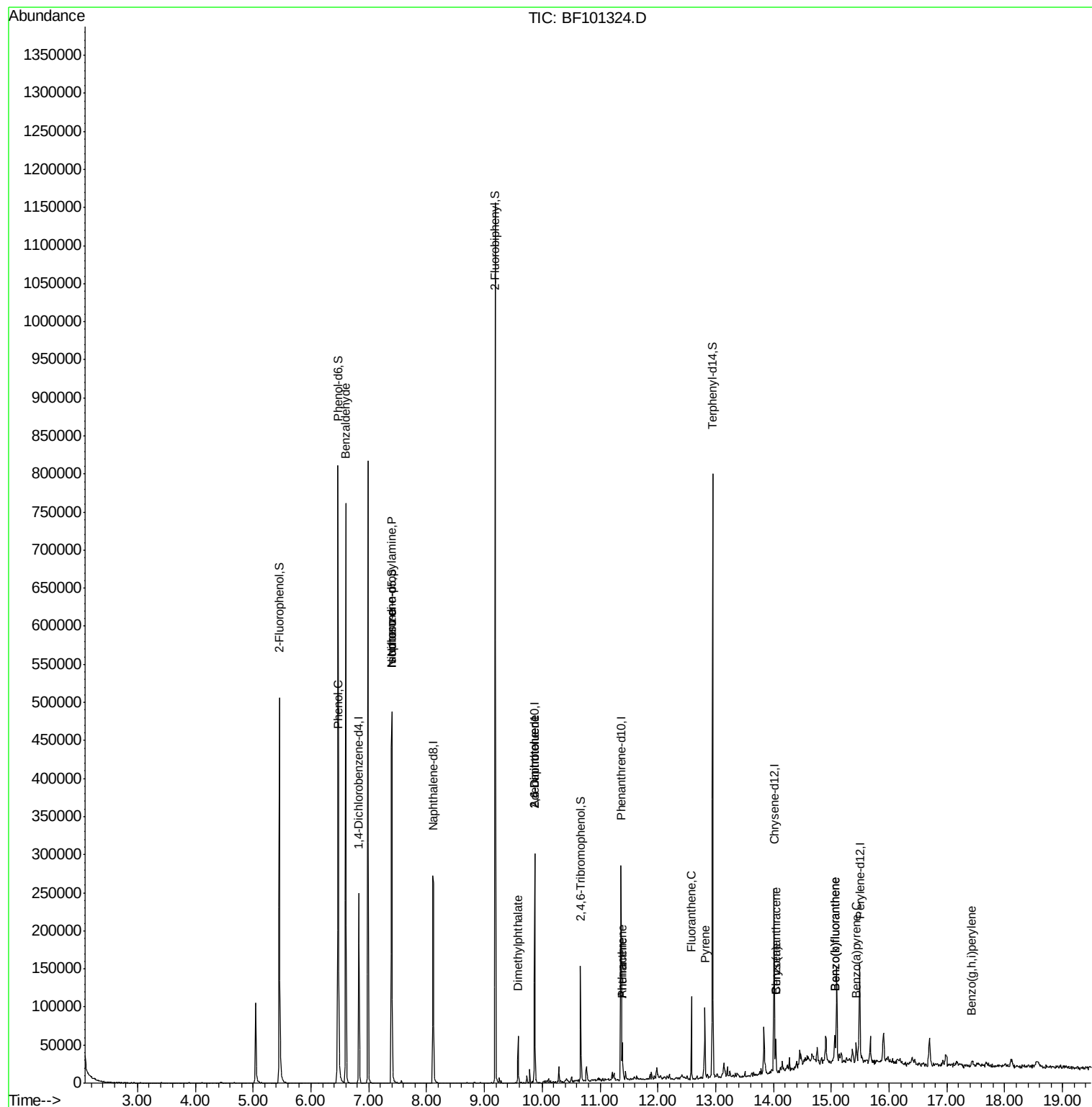
						Qvalue
9) Benzaldehyde	6.60	77	4240	2.596	ng	82
10) Phenol	6.48	94	10641	3.586	ng	82
19) n-Nitroso-di-n-propylamine	7.40	70	20101	11.183	ng	# 83
25) Isophorone	7.40	82	157250	39.299	ng	# 64
49) Dimethylphthalate	9.58	163	24726	5.413	ng	# 98
50) 2,6-Dinitrotoluene	9.87	165	7538	7.835	ng	# 24
56) 2,4-Dinitrotoluene	9.87	165	7538	5.846	ng	# 21
70) Phenanthrene	11.39	178	16649	3.058	ng	99
71) Anthracene	11.39	178	16649	3.022	ng	98
74) Fluoranthene	12.58	202	40782	6.758	ng	95
77) Pyrene	12.81	202	34741	6.587	ng	97
80) Benzo(a)anthracene	14.04	228	16703	3.461	ng	97
82) Chrysene	14.04	228	16703	3.727	ng	97
87) Benzo(b)fluoranthene	15.06	252	23968	6.741	ng	# 94
88) Benzo(k)fluoranthene	15.06	252	23968	6.842	ng	94
89) Benzo(a)pyrene	15.43	252	11459	3.545	ng	96
91) Benzo(a,h,i)perylene	17.43	276	6755	2.515	ng	96

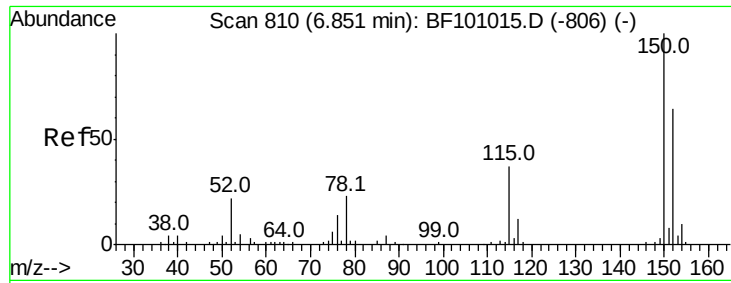
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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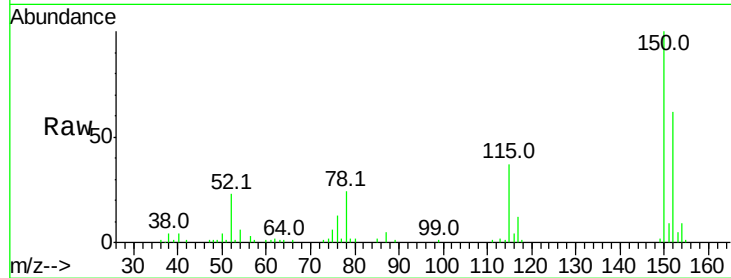


#1

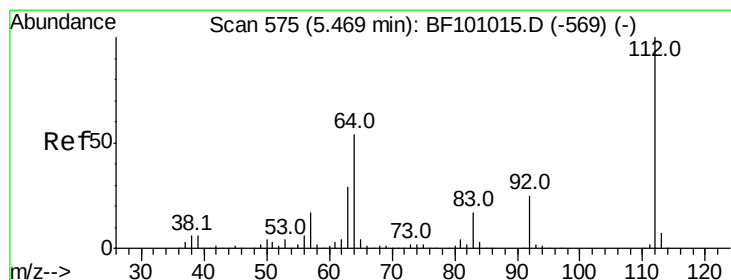
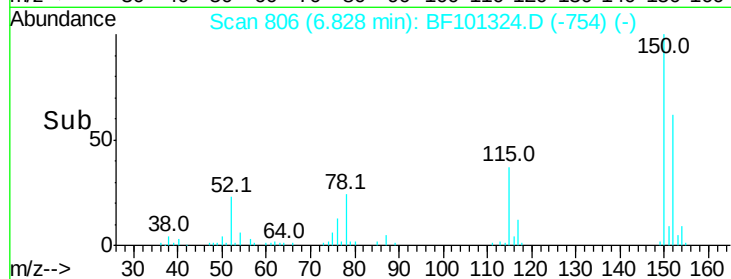
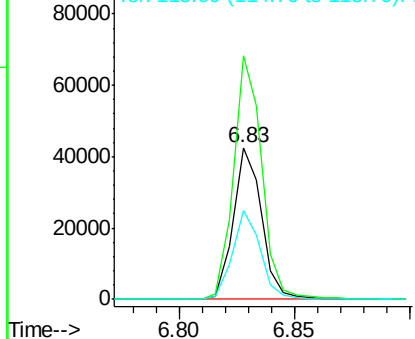
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 36326
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 58.8 50.1 75.1



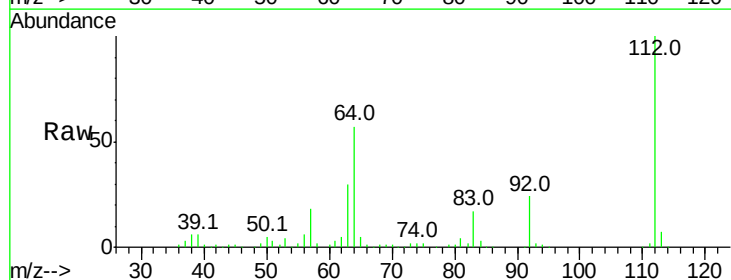
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



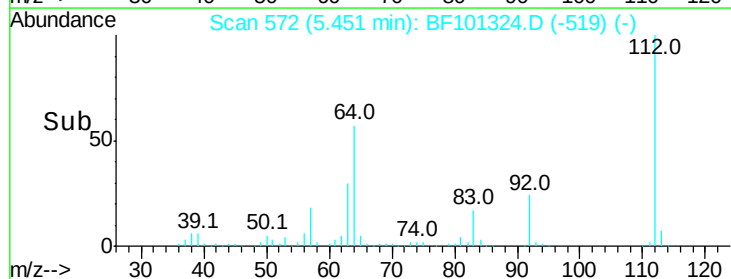
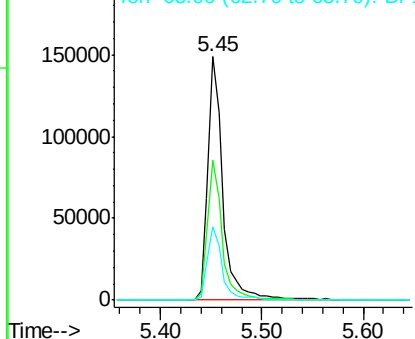
#5

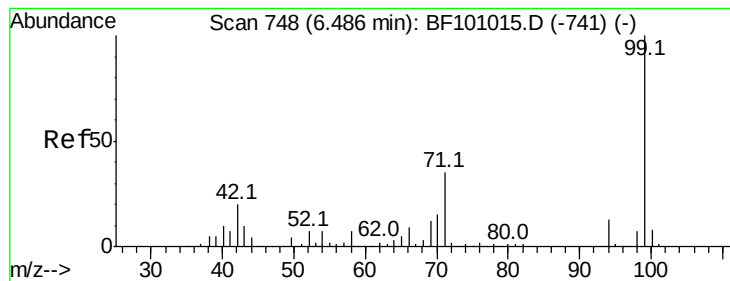
2-Fluorophenol
Concen: 69.642 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion:112 Resp: 153096
Ion Ratio Lower Upper
112 100
64 57.4 47.9 71.9
63 29.9 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: 101.004 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

Instrument :

BNA_F

ClientSampleId :

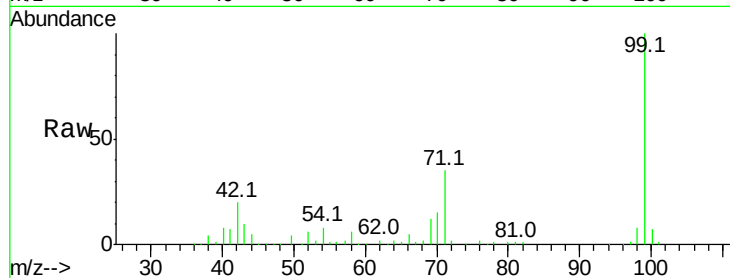
Tot Ion: 99 Resp: 269577

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

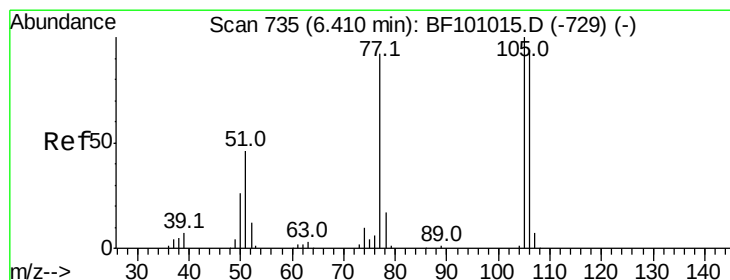
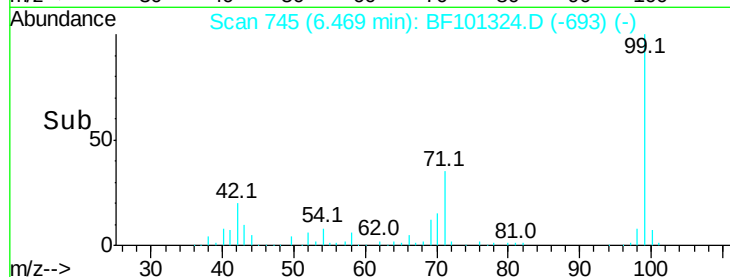
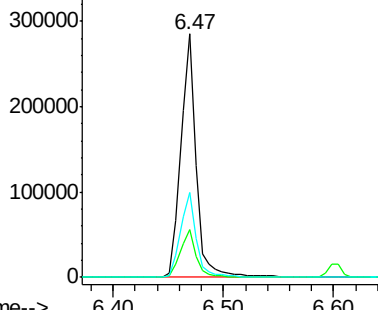
71 35.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.596 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

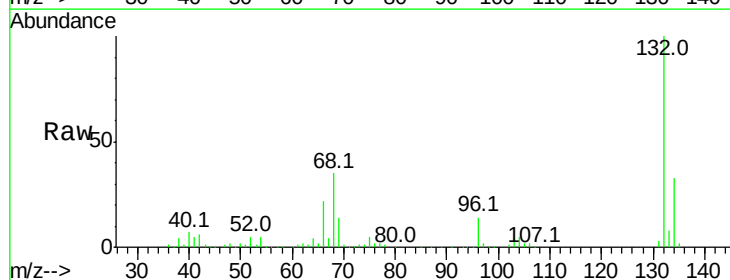
Tgt Ion: 77 Resp: 4240

Ion Ratio Lower Upper

77 100

105 83.7 81.1 121.1

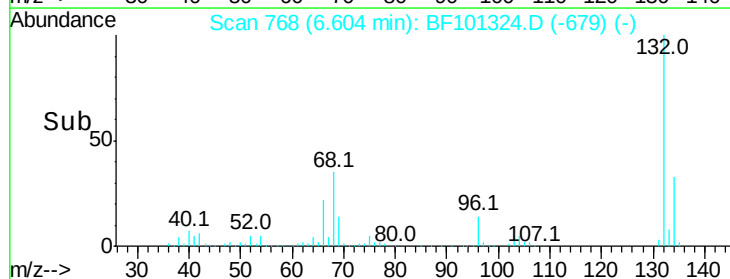
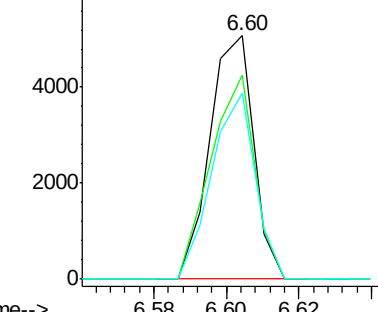
106 76.4 74.5 114.5

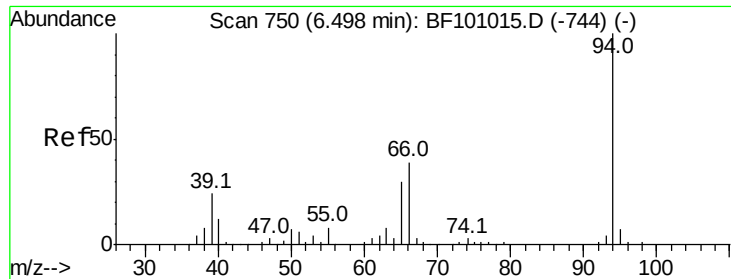


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

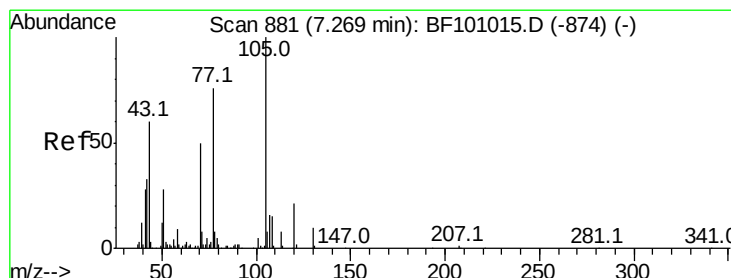
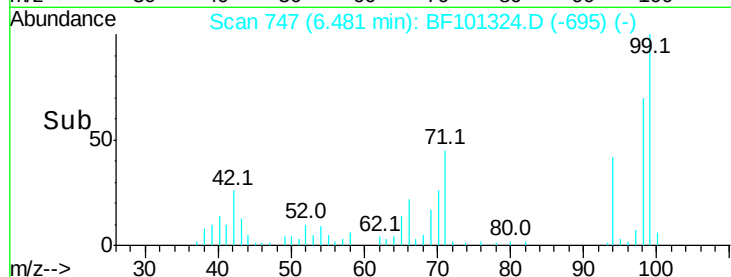
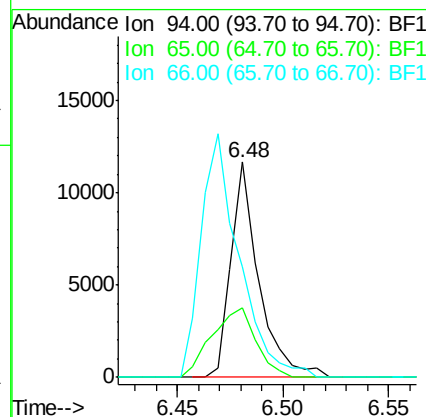
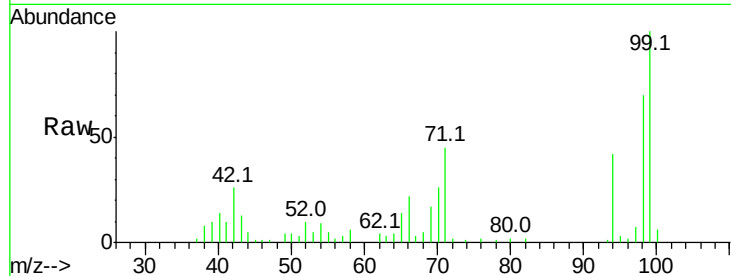




#10
Phenol
Concen: 3.586 ng
RT: 6.48 min Scan# 747
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

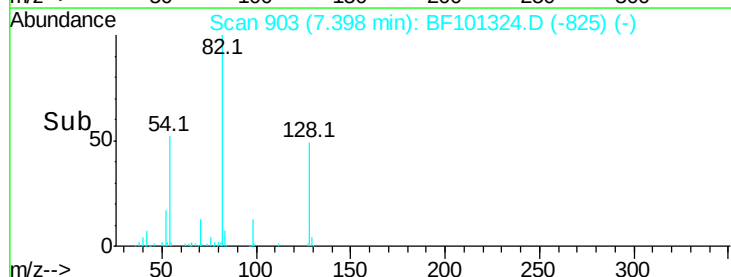
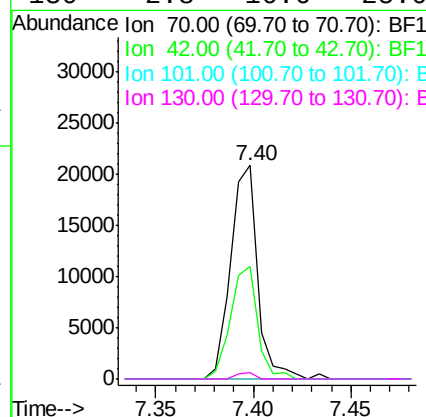
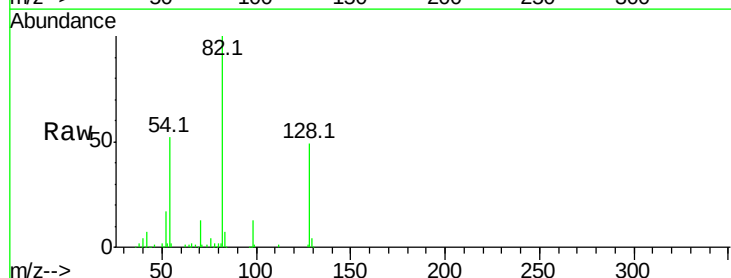
Instrument :
BNA_F
ClientSampleId :

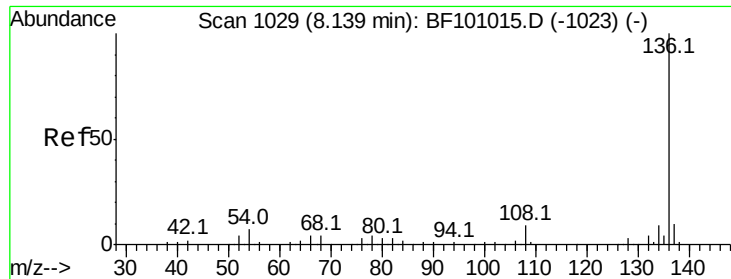
Tot Ion: 94 Resp: 10641
Ion Ratio Lower Upper
94 100
65 32.4 7.9 47.9
66 51.2 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.183 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.16 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion: 70 Resp: 20101
Ion Ratio Lower Upper
70 100
42 53.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.8 16.6 25.0#

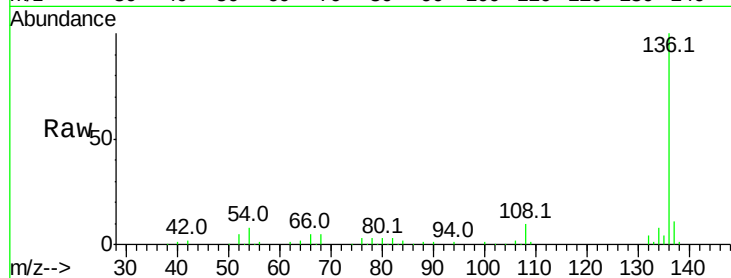




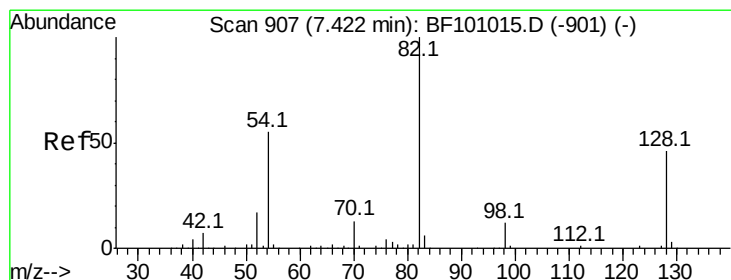
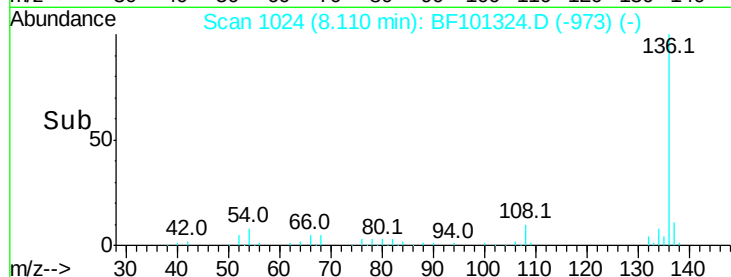
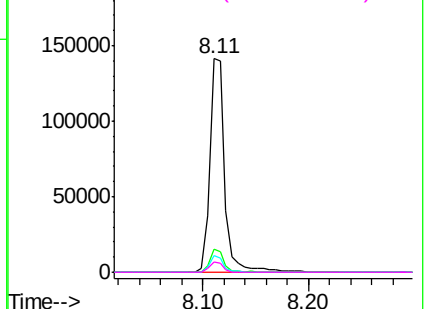
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	139741
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	8.1	6.6 9.8
68	4.9	5.0 7.4#

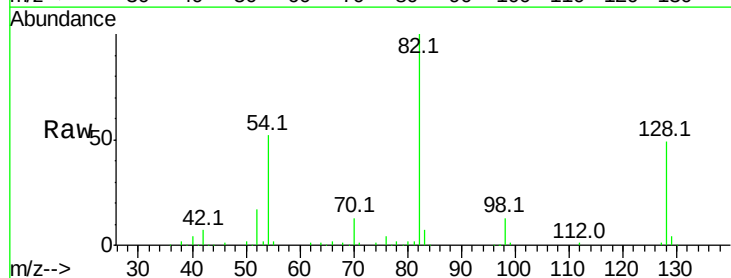


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

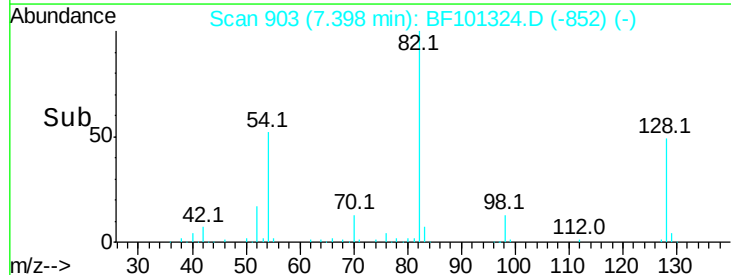
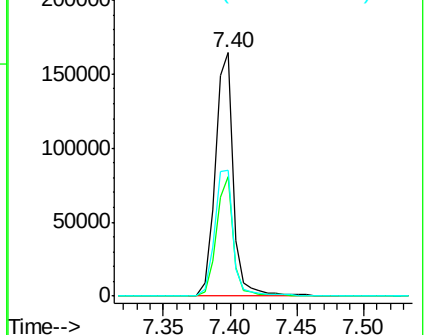


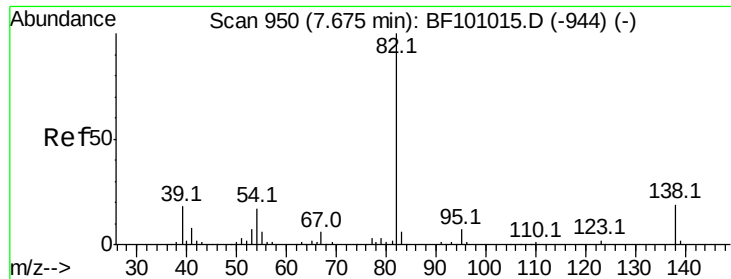
#23
Nitrobenzene-d5
Concen: 67.127 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion: 82	Resp:	157250
Ion Ratio	Lower	Upper
82	100	
128	49.3	36.1 54.1
54	51.6	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: 39.299 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.25 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

Instrument :

BNA_F

ClientSampleId :

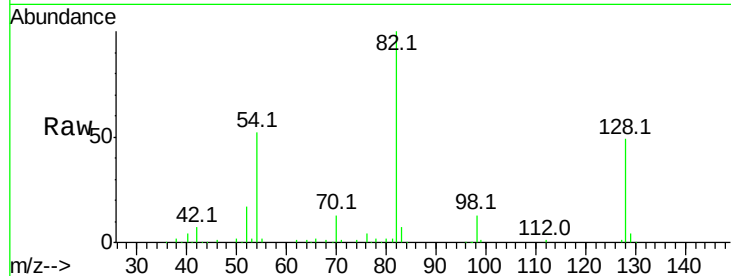
Tot Ion: 82 Resp: 157250

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

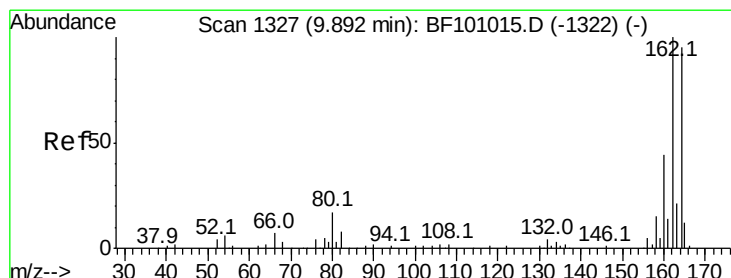
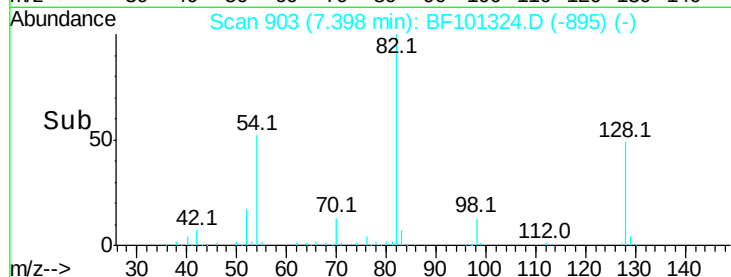
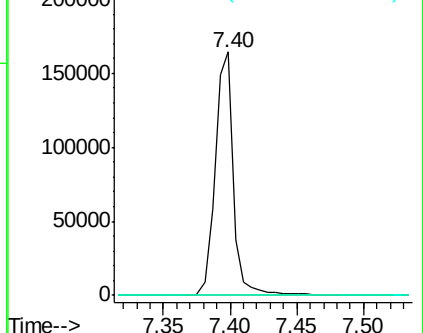
138 0.0 14.9 22.3#



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: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

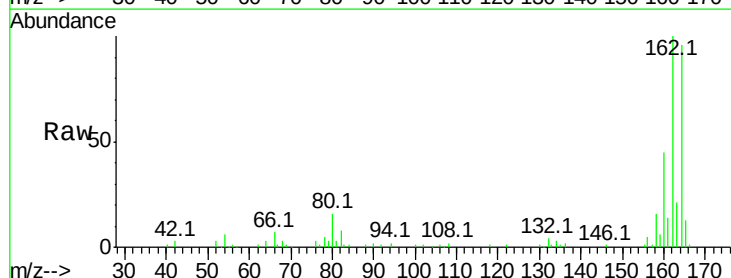
Tgt Ion:164 Resp: 56643

Ion Ratio Lower Upper

164 100

162 104.6 86.1 129.1

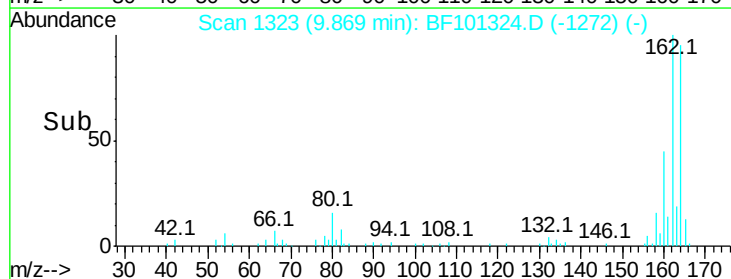
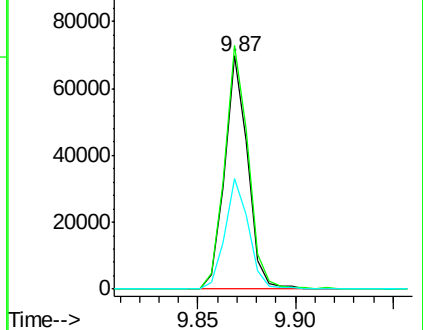
160 47.3 38.3 57.5

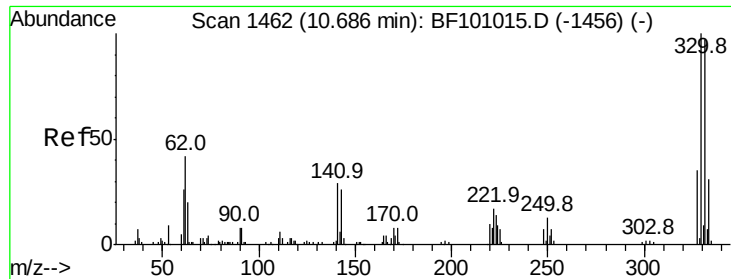


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

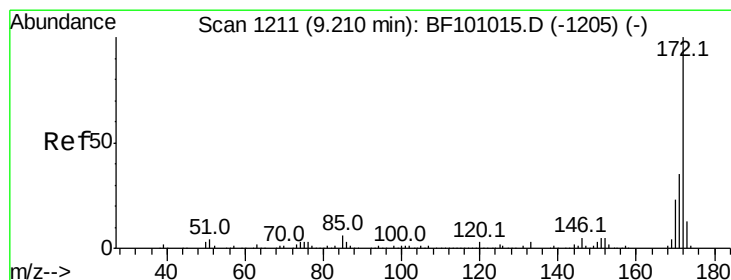
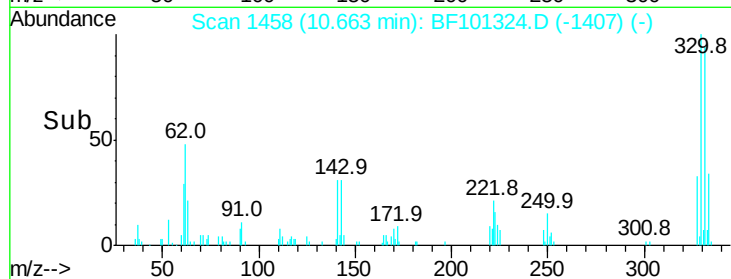
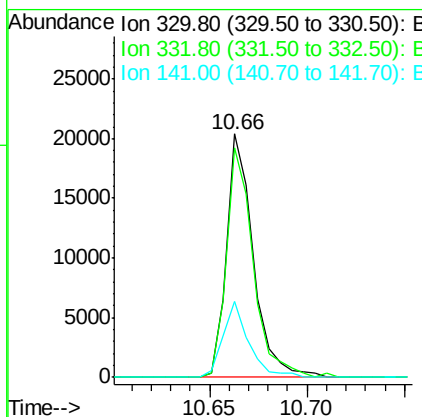
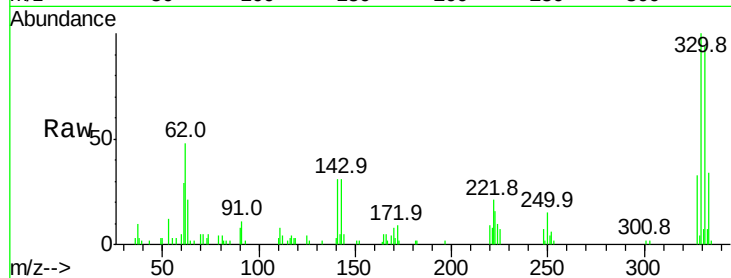




#41
 2,4,6-Tribromophenol
 Concen: 28.546 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: BF101324.D
 Acq: 12 Dec 2017 9:38

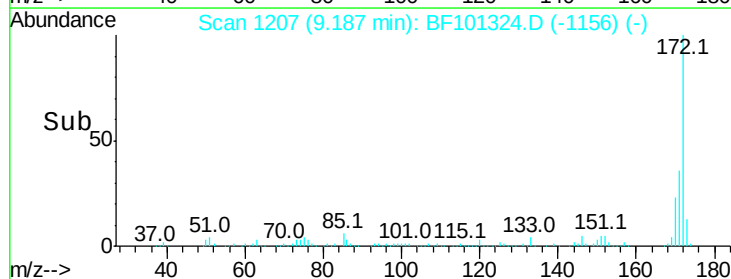
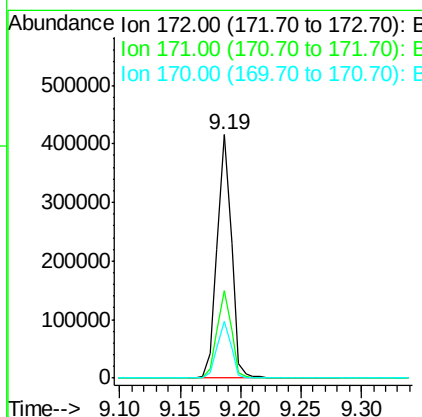
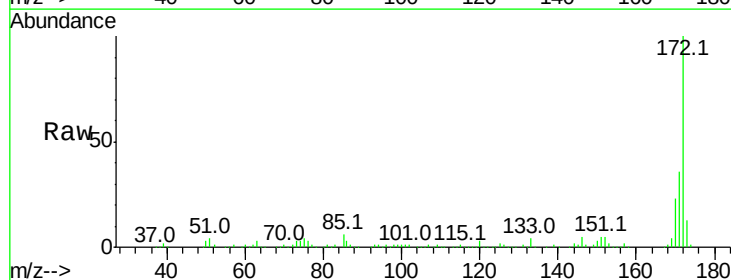
Instrument :
 BNA_F
 ClientSampled :

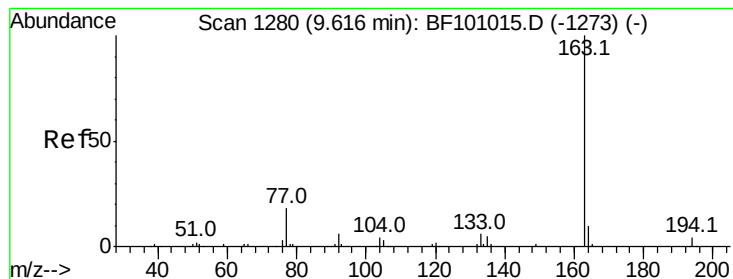
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	29.8	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 81.382 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: BF101324.D
 Acq: 12 Dec 2017 9:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.4	19.6	29.4





#49

Dimethylphthalate

Concen: 5.413 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

Instrument :

BNA_F

ClientSampleId :

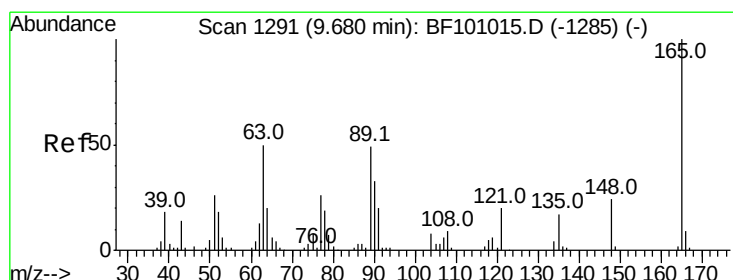
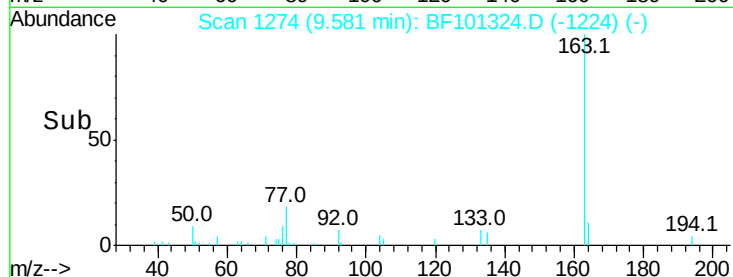
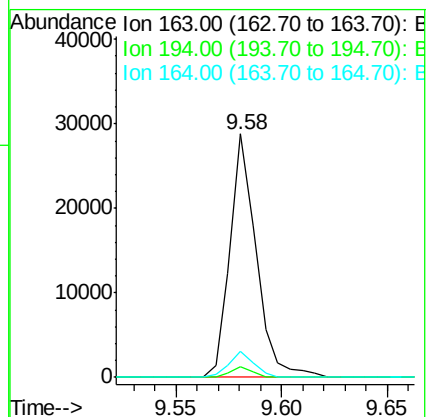
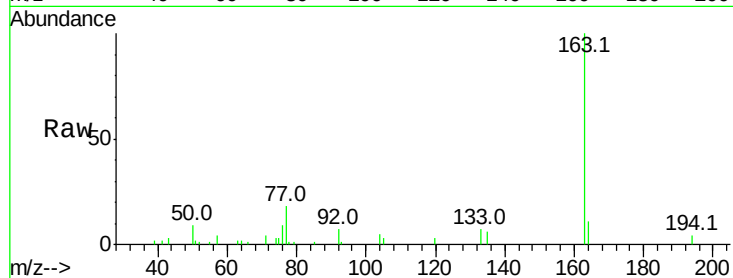
Tot Ion:163 Resp: 24726

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

164 10.8 8.2 12.2



#50

2,6-Dinitrotoluene

Concen: 7.835 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.21 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

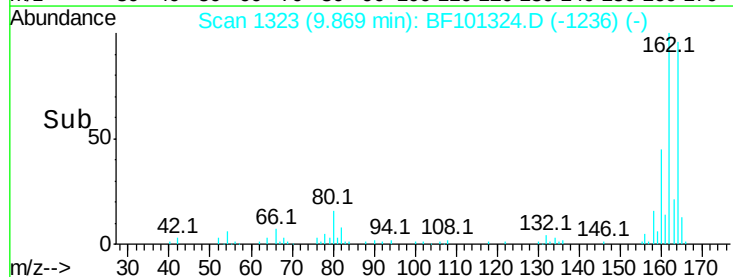
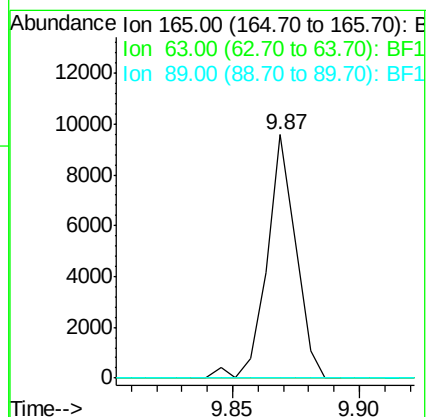
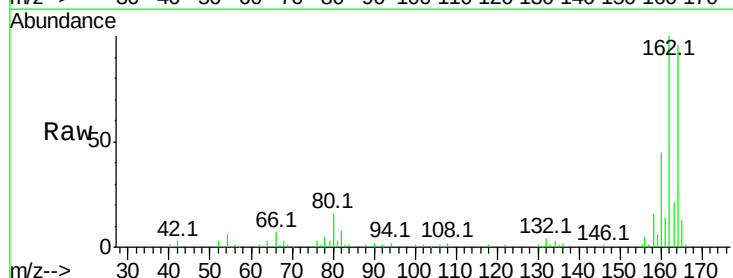
Tgt Ion:165 Resp: 7538

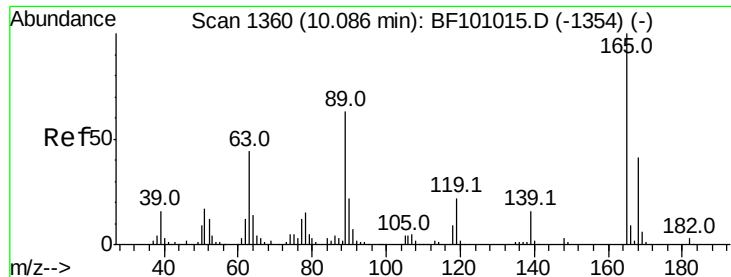
Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

89 0.0 44.0 66.0#

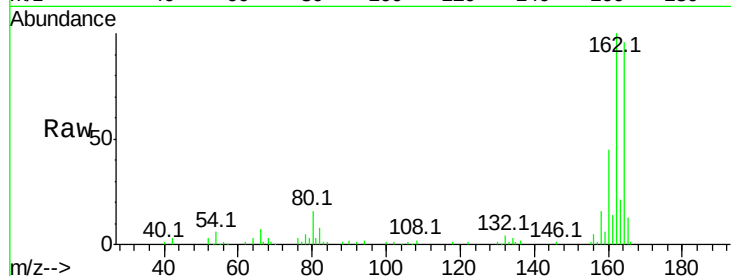




#56
 2,4-Dinitrotoluene
 Concen: 5.846 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF101324.D
 Acq: 12 Dec 2017 9:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	7538
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#

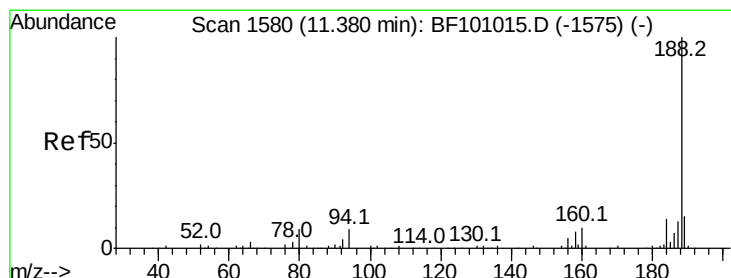
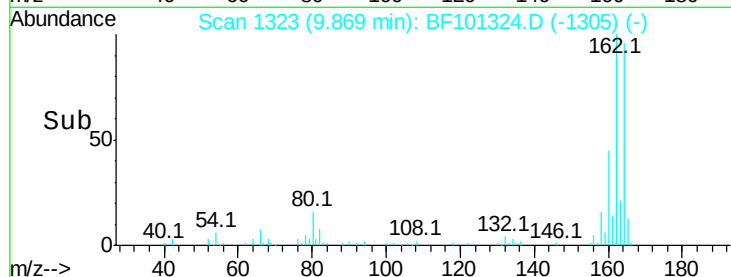
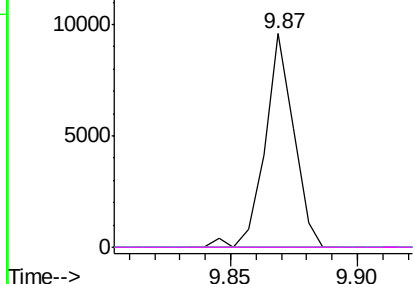


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

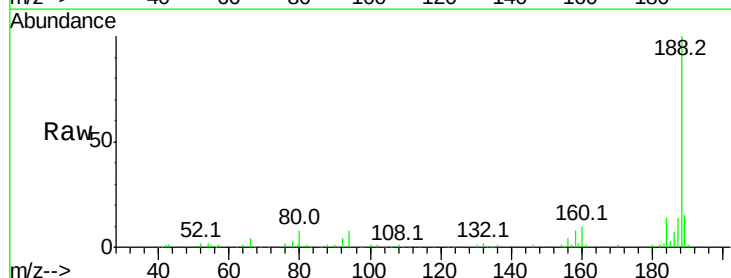
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: BF101324.D
 Acq: 12 Dec 2017 9:38

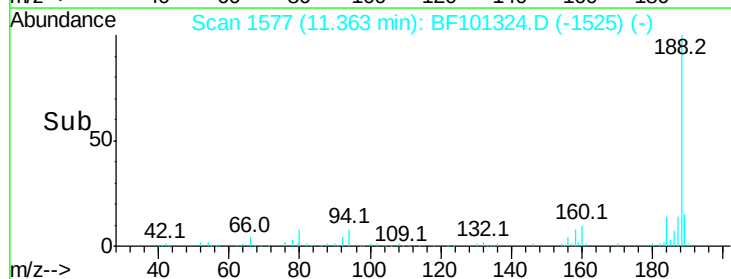
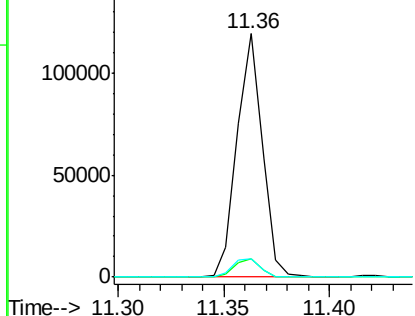
Tgt Ion:188	Resp:	98855
Ion Ratio	Lower	Upper
188	100	
94	7.6	8.5 12.7#
80	7.6	9.2 13.8#

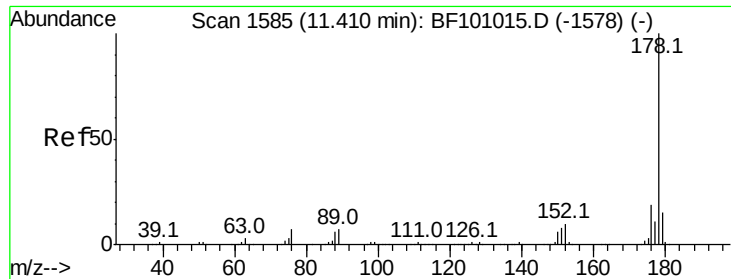


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

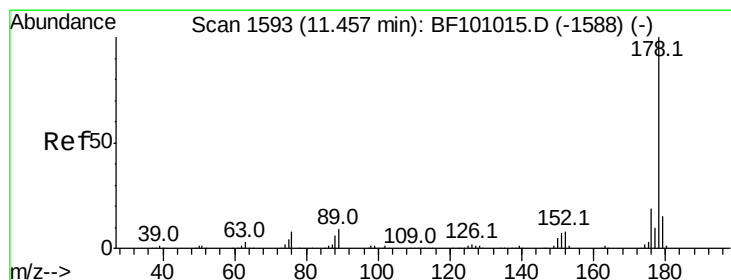
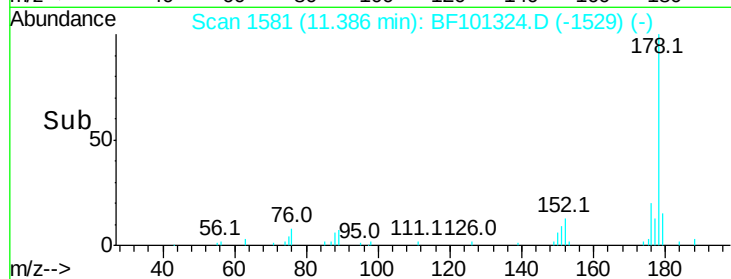
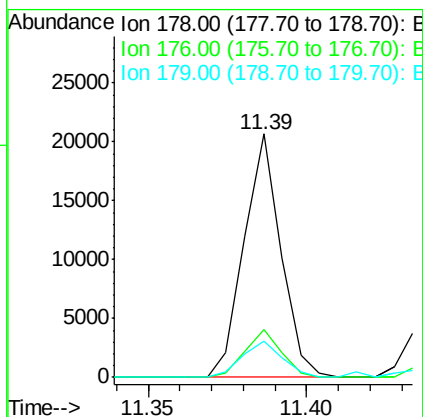
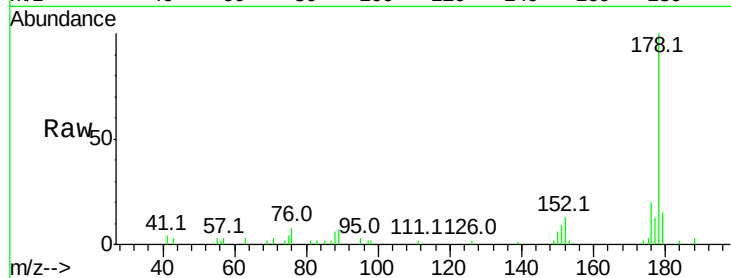




#70
Phenanthrene
Concen: 3.058 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

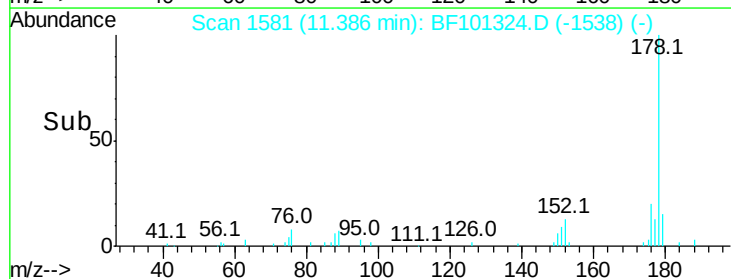
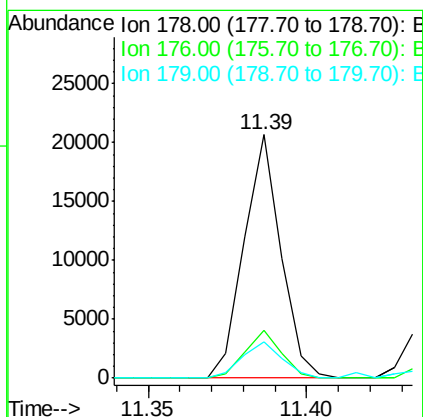
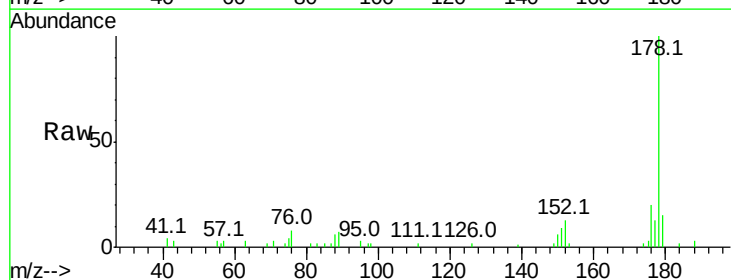
Instrument :
BNA_F
ClientSampleId :

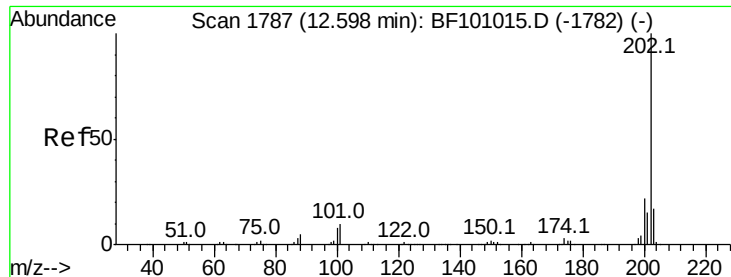
Tot Ion:178 Resp: 16649
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.0 13.0 19.6



#71
Anthracene
Concen: 3.022 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.05 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion:178 Resp: 16649
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 15.0 12.6 19.0





#74

Fluoranthene

Concen: 6.758 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

Instrument :

BNA_F

ClientSampleId :

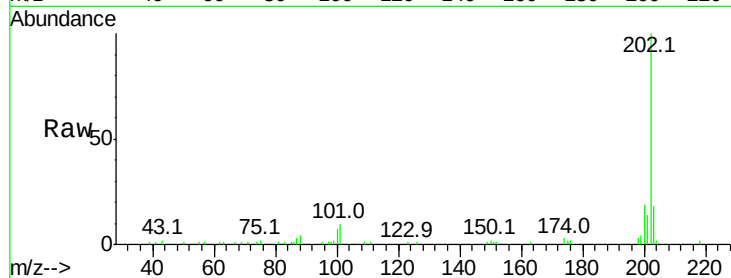
Tot Ion:202 Resp: 40782

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

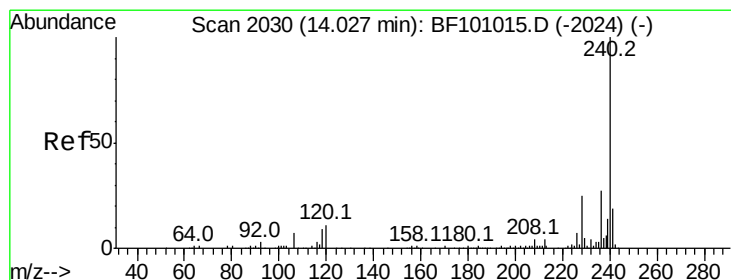
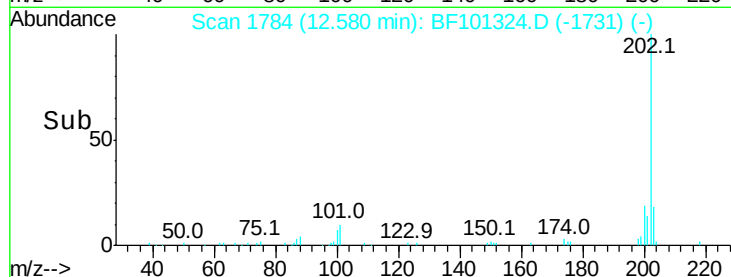
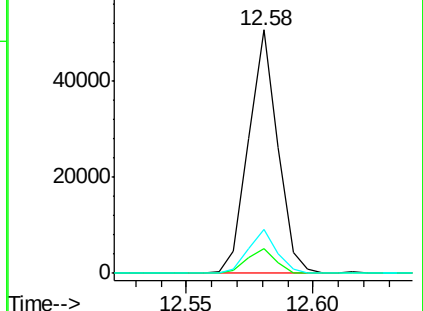
203 17.8 0.0 38.1



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: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

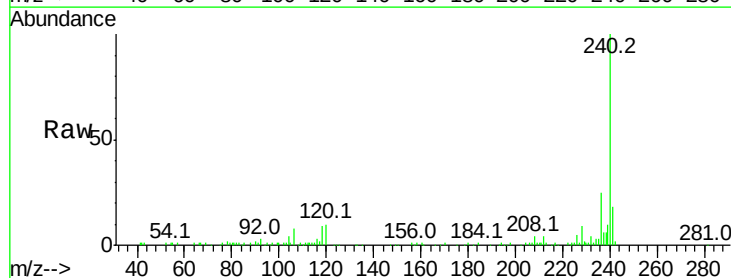
Tgt Ion:240 Resp: 76431

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

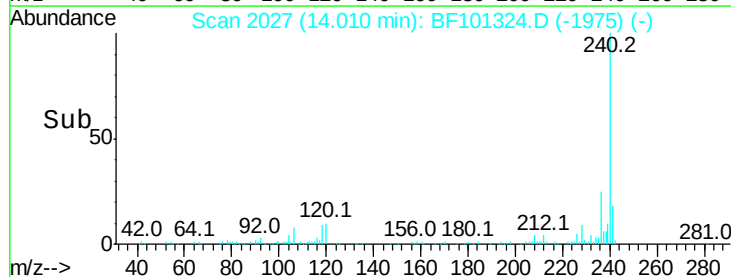
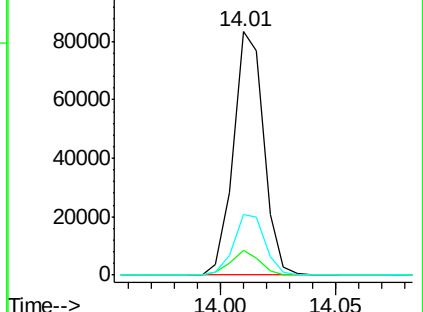
236 24.8 20.7 31.1

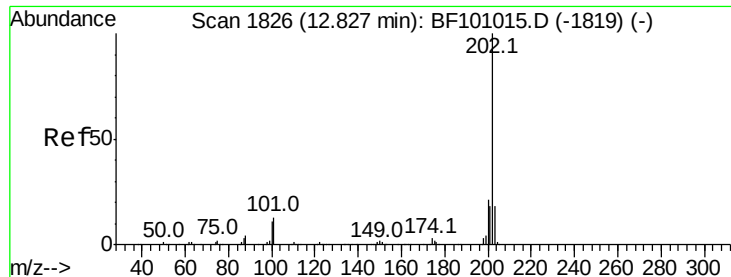


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

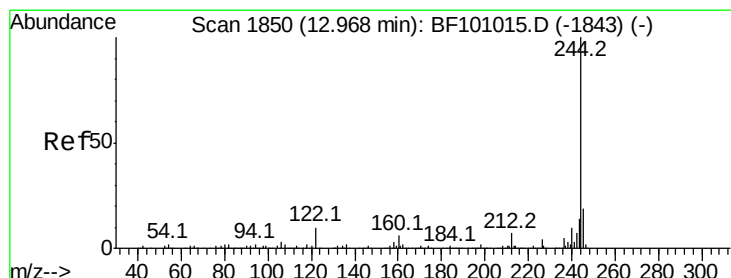
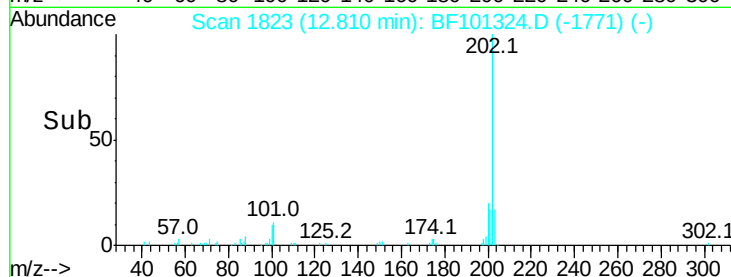
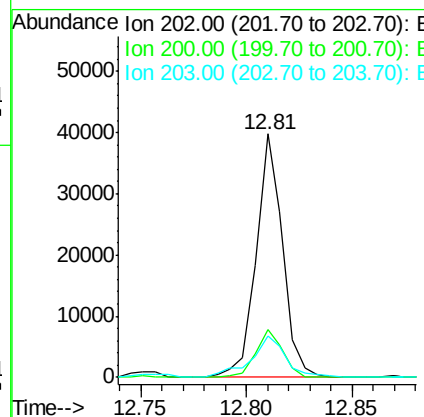
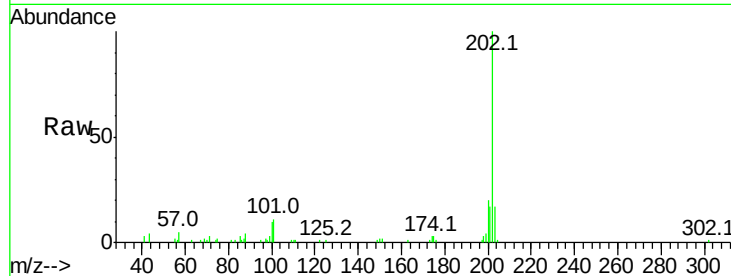




#77
Pvrene
Concen: 6.587 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

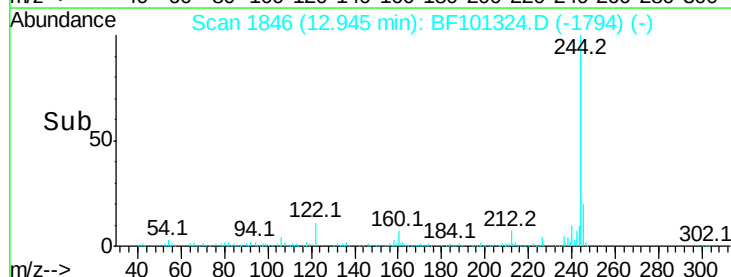
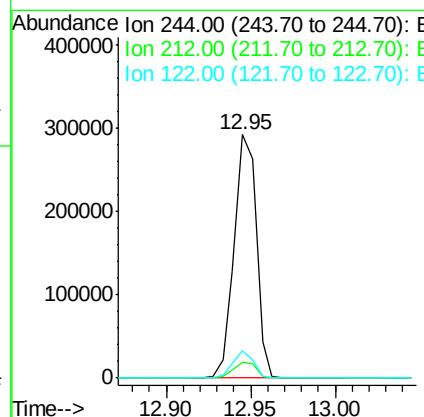
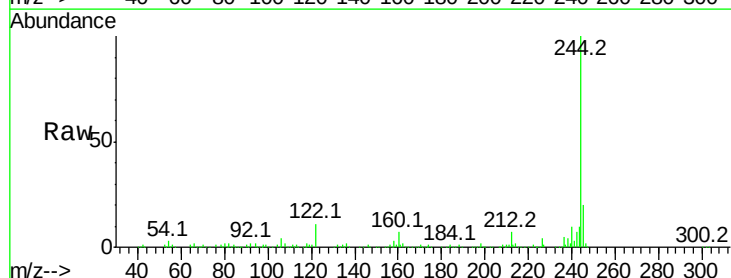
Instrument :
BNA_F
ClientSampleId :

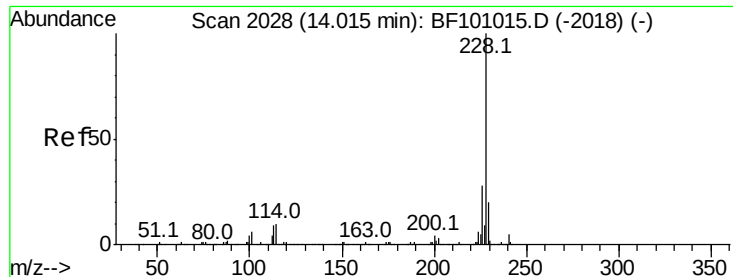
Tot Ion:202 Resp: 34741
Ion Ratio Lower Upper
202 100
200 19.7 17.4 26.2
203 16.9 14.3 21.5



#78
Terphenyl-d14
Concen: 76.333 ng
RT: 12.95 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion:244 Resp: 266734
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 11.0 11.0 16.4





#80

Benzo(a)anthracene

Concen: 3.461 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.05 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

Instrument :

BNA_F

ClientSampleId :

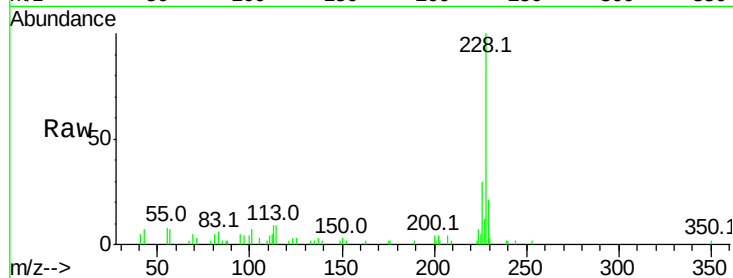
Tot Ion:228 Resp: 16703

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

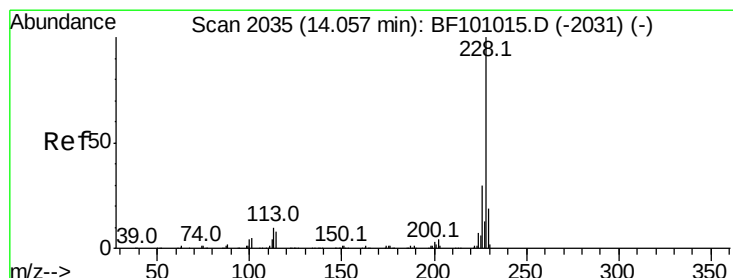
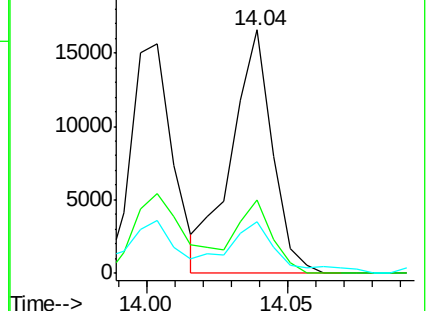
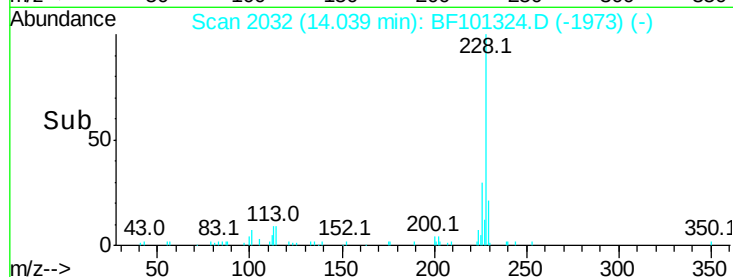
229 21.4 15.8 23.6



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



#82

Chrysene

Concen: 3.727 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

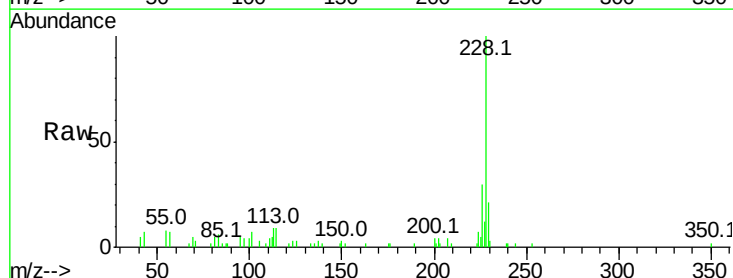
Tgt Ion:228 Resp: 16703

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

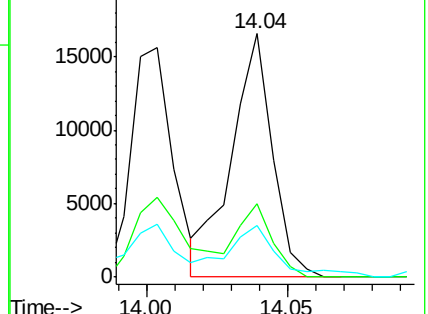
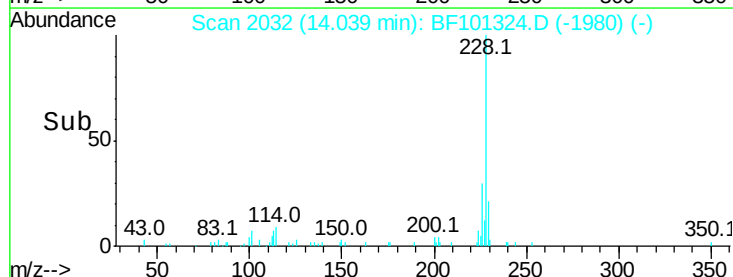
229 21.4 16.2 24.4

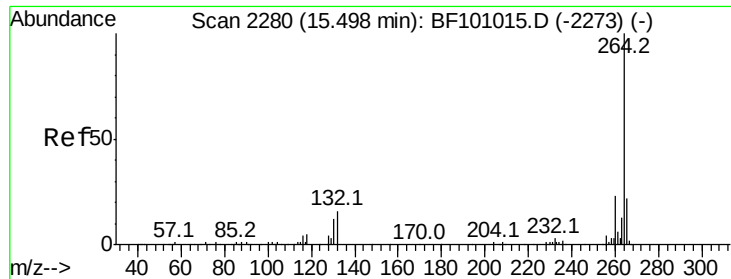


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

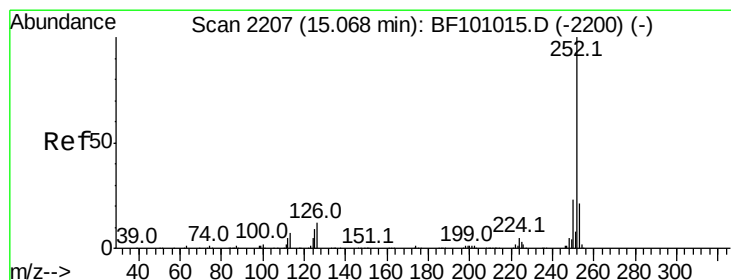
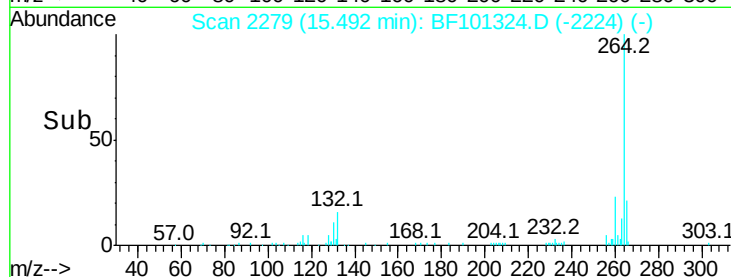
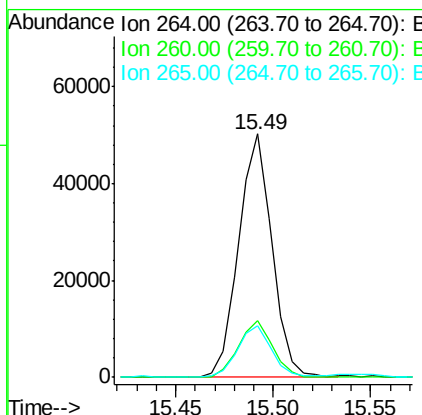
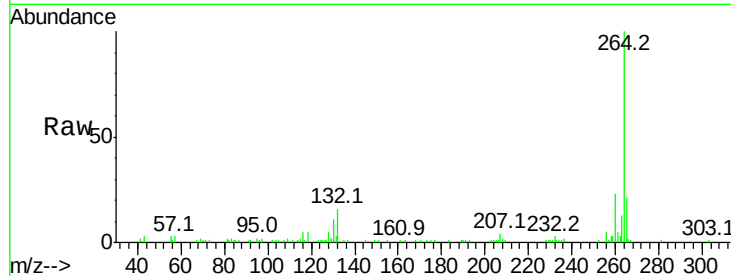




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

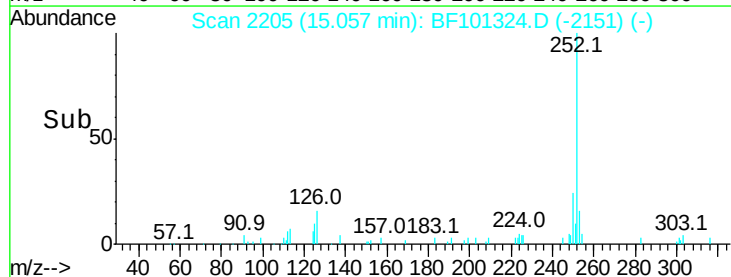
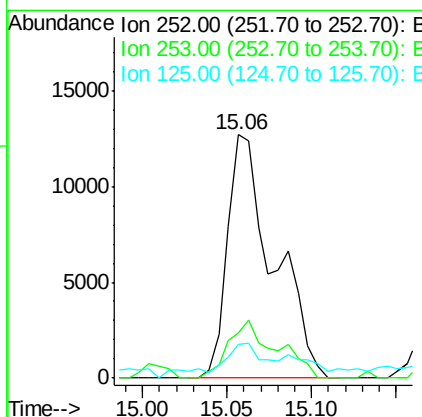
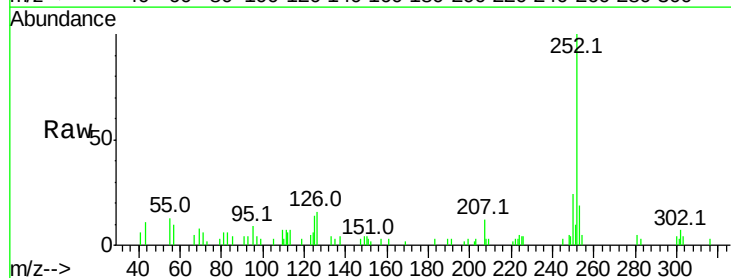
Instrument :
BNA_F
ClientSampleId :

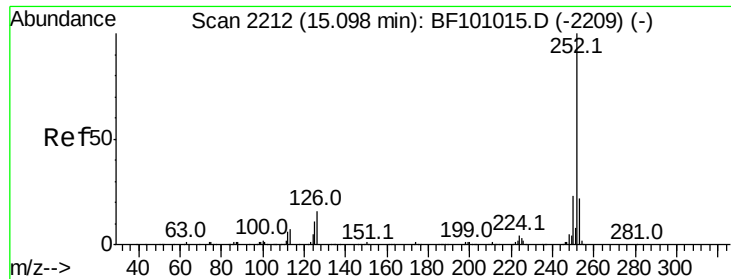
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 6.741 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	18.7	17.0	25.6
125	14.0	9.0	13.6

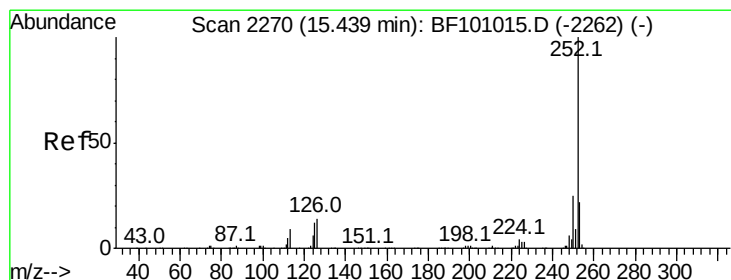
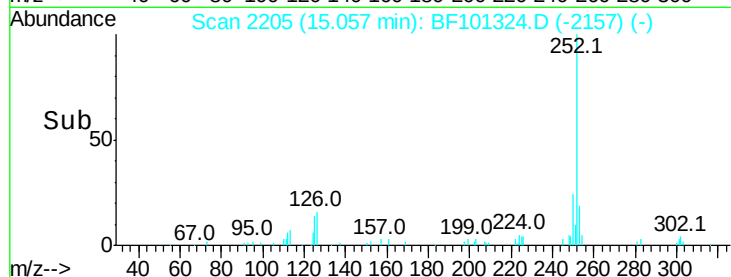
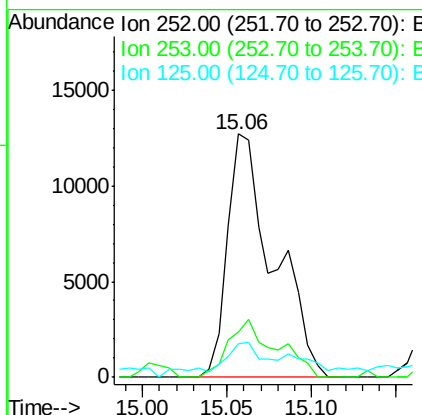
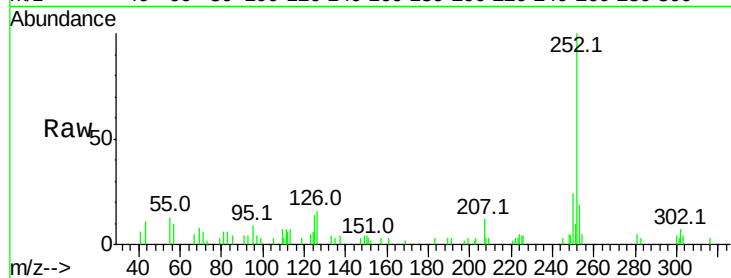




#88
Benzo(k)fluoranthene
Concen: 6.842 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

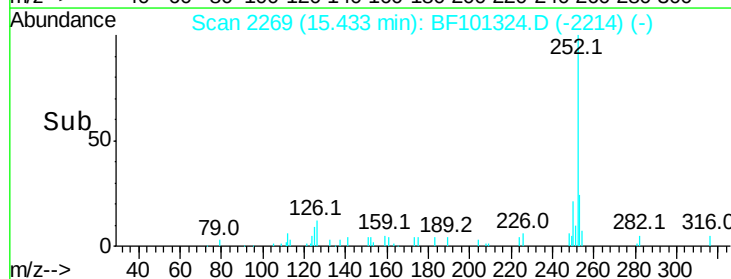
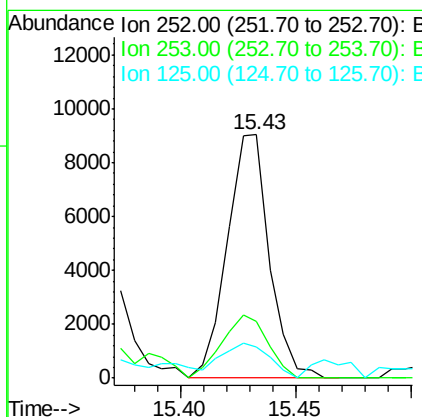
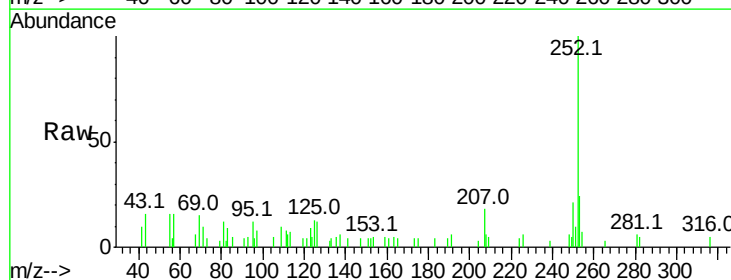
Instrument :
BNA_F
ClientSampleId :

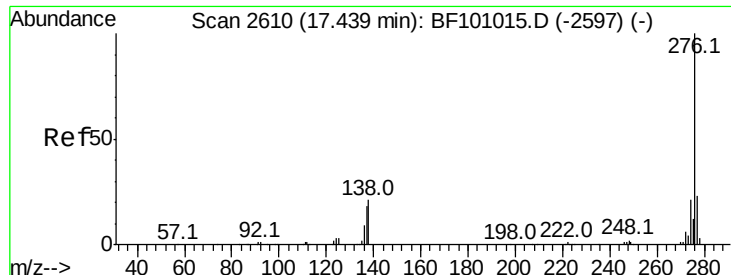
Tot Ion	Ratio	Lower	Upper
252	100		
253	18.7	17.9	26.9
125	14.0	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.545 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.0	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 2.515 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.04 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

Instrument :

BNA_F

ClientSampleId :

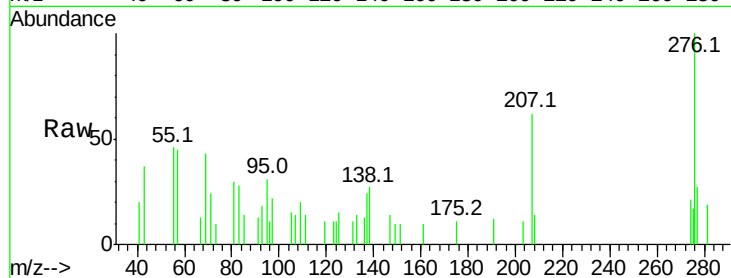
Tot Ion:276 Resp: 6755

Ion Ratio Lower Upper

276 100

277 26.6 17.9 26.9

138 27.2 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

