

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101313.D
 Acq On : 12 Dec 2017 4:43
 Operator : SJ/JU
 Sample : I6764-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 12 06:09:19 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	40538	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	147957	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	59986	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	103397	20.00	ng	0.00
75) Chrysene-d12	14.01	240	87754	20.00	ng	0.00
86) Perylene-d12	15.49	264	66716	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	240335	97.97	ng	0.01
7) Phenol-d6	6.47	99	286405	96.16	ng	0.00
23) Nitrobenzene-d5	7.40	82	165262	66.63	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	53764	74.61	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	351294	80.13	ng	0.00
78) Terphenyl-d14	12.94	244	293184	73.08	ng	0.00

Target Compounds

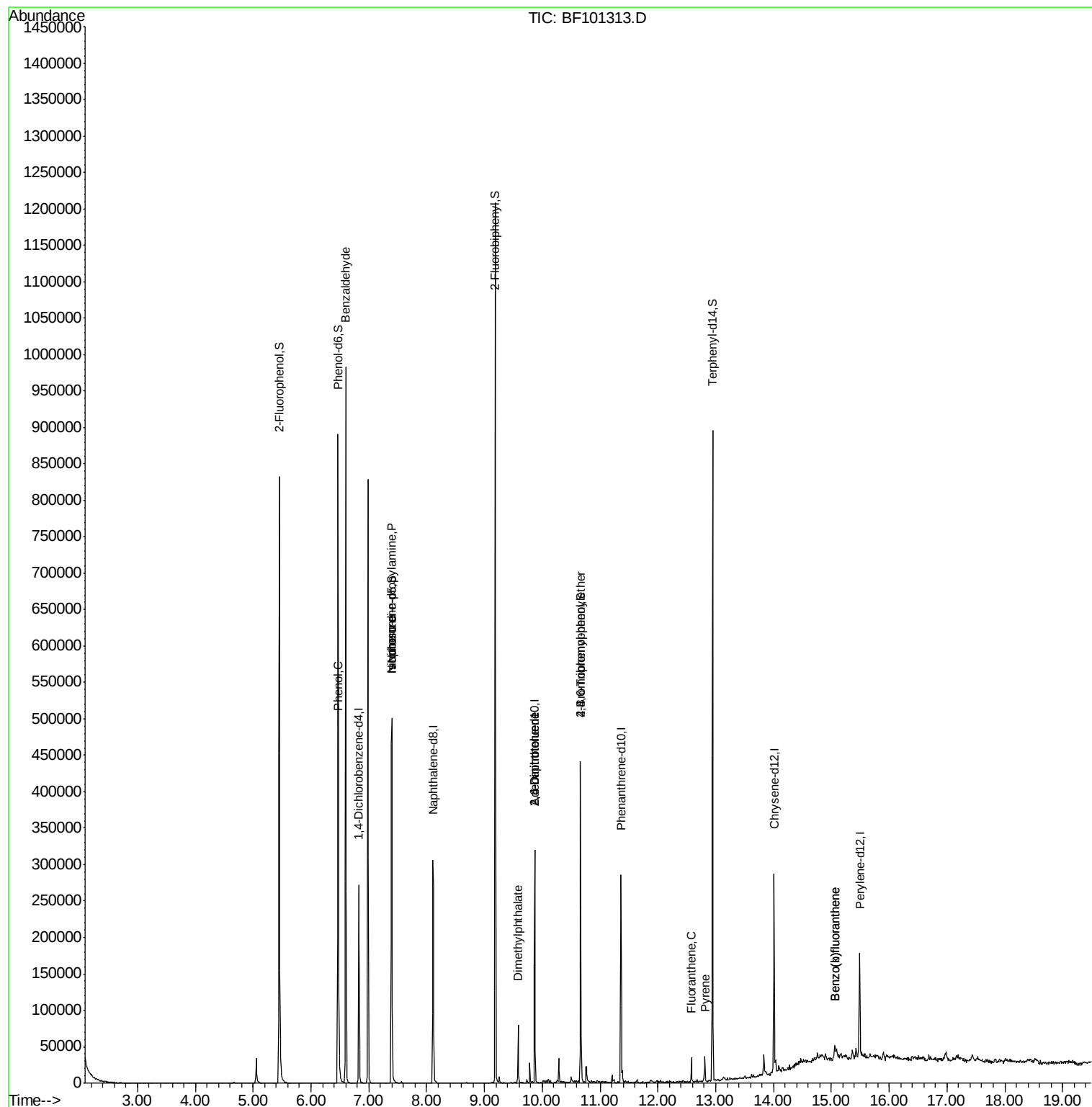
						Qvalue
9) Benzaldehyde	6.60	77	5217	2.862	ng	92
10) Phenol	6.48	94	7688	2.321	ng	# 76
19) n-Nitroso-di-n-propylamine	7.40	70	20740	10.340	ng	# 81
25) Isophorone	7.40	82	165260	39.008	ng	# 64
49) Dimethylphthalate	9.58	163	32841	6.789	ng	99
50) 2,6-Dinitrotoluene	9.87	165	7684	7.541	ng	# 24
56) 2,4-Dinitrotoluene	9.87	165	7684	5.627	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	3205	2.769	ng	# 1
74) Fluoranthene	12.58	202	14727	2.333	ng	93
77) Pyrene	12.81	202	12938	2.137	ng	95
87) Benzo(b)fluoranthene	15.06	252	11992	3.001	ng	# 76
88) Benzo(k)fluoranthene	15.06	252	11992	3.046	ng	# 80

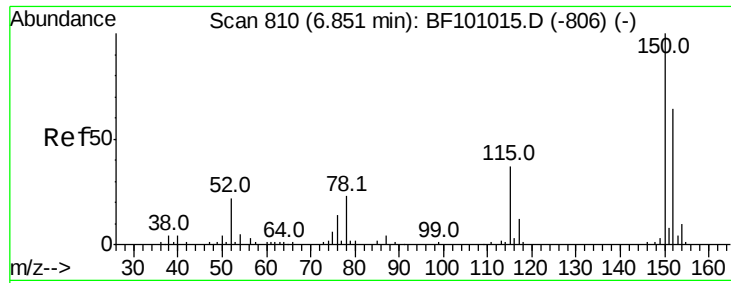
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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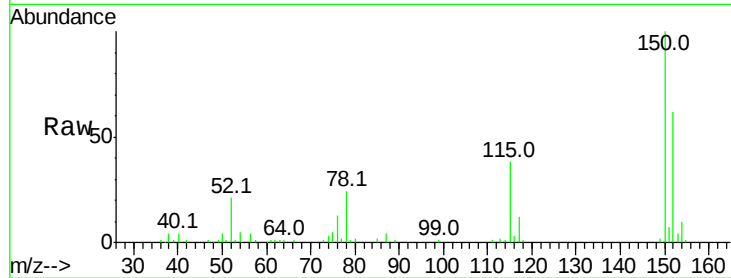


#1

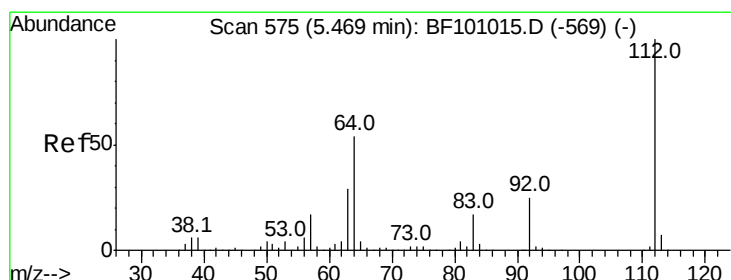
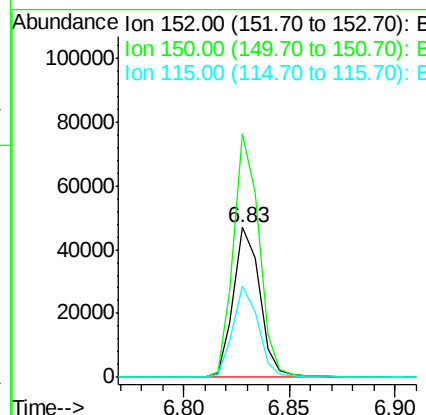
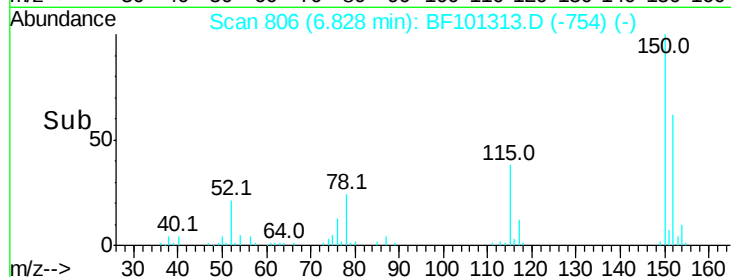
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101313.D
Acq: 12 Dec 2017 4:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 40538
Ion Ratio Lower Upper
152 100
150 162.4 124.6 186.8
115 61.3 50.1 75.1



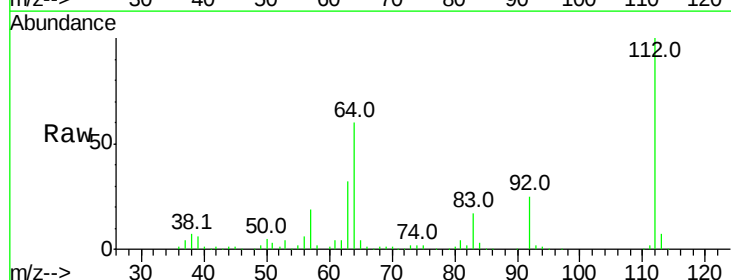
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



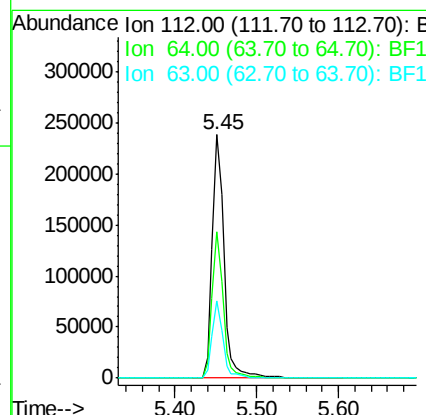
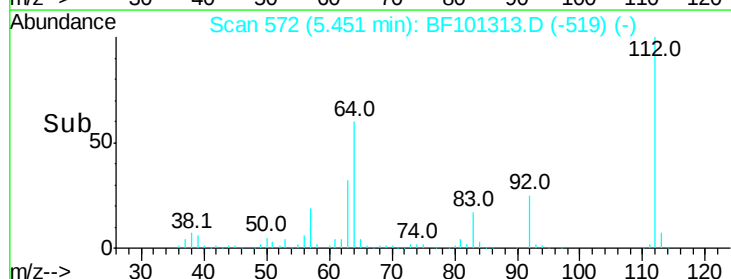
#5

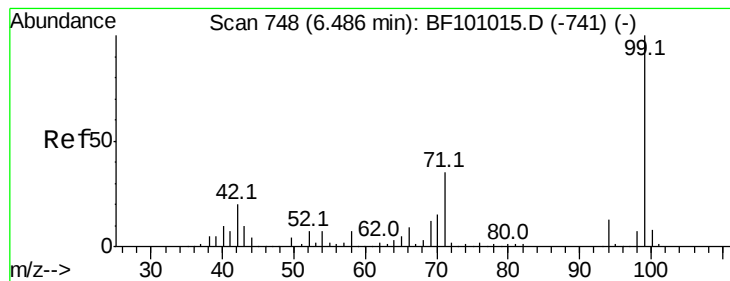
2-Fluorophenol
Concen: 97.967 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101313.D
Acq: 12 Dec 2017 4:43

Tgt Ion:112 Resp: 240335
Ion Ratio Lower Upper
112 100
64 59.9 47.9 71.9
63 32.0 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: 96.159 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101313.D

Acq: 12 Dec 2017 4:43

Instrument :

BNA_F

ClientSampleId :

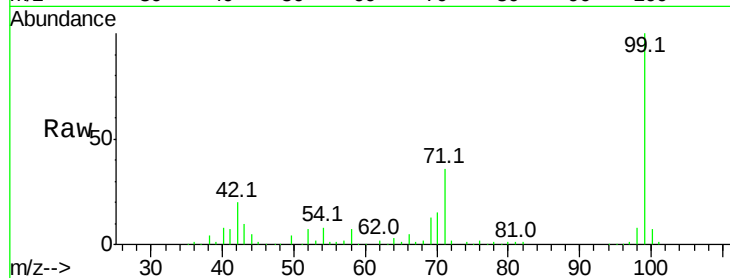
Tot Ion: 99 Resp: 286405

Ion Ratio Lower Upper

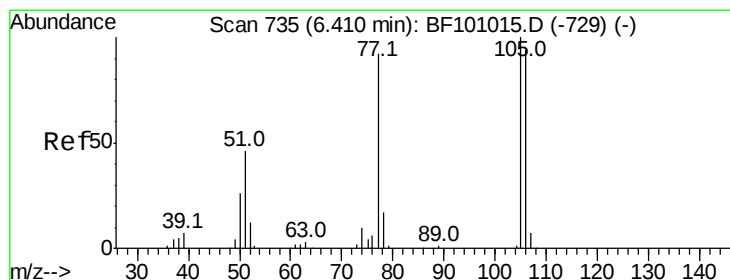
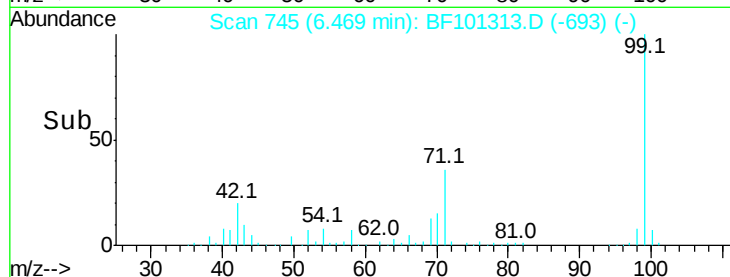
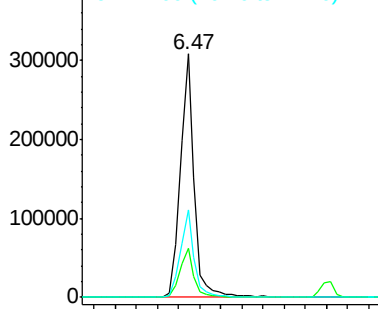
99 100

42 20.0 14.5 21.7

71 35.7 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: 2.862 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF101313.D

Acq: 12 Dec 2017 4:43

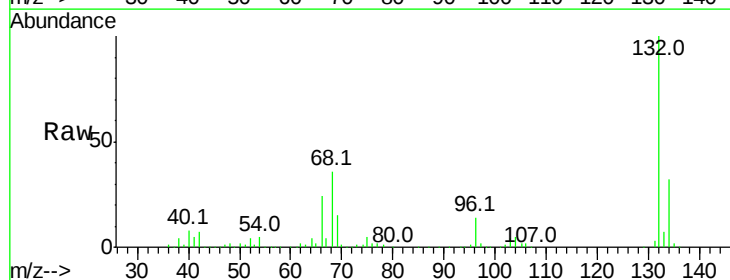
Tgt Ion: 77 Resp: 5217

Ion Ratio Lower Upper

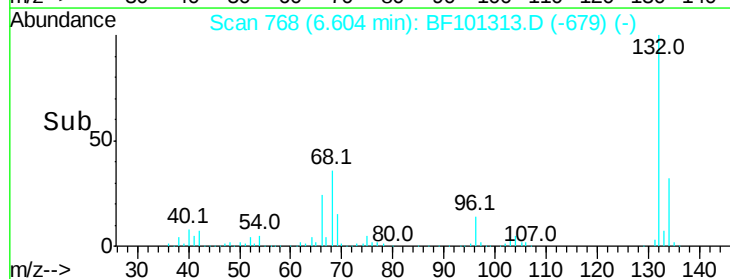
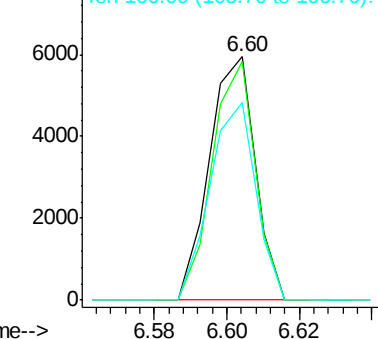
77 100

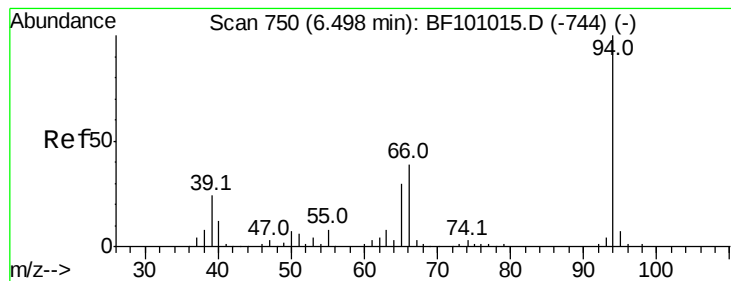
105 98.0 81.1 121.1

106 81.0 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: 2.321 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF101313.D

Acq: 12 Dec 2017 4:43

Instrument :

BNA_F

ClientSampled :

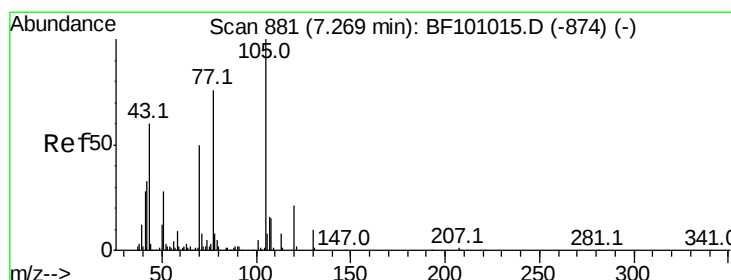
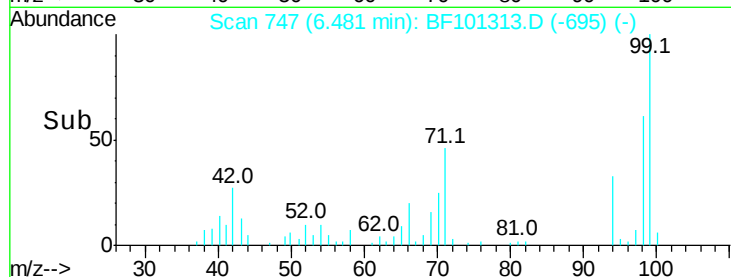
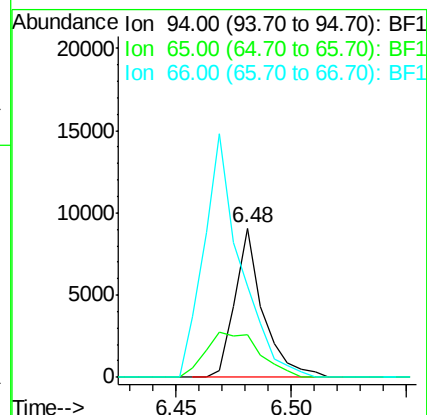
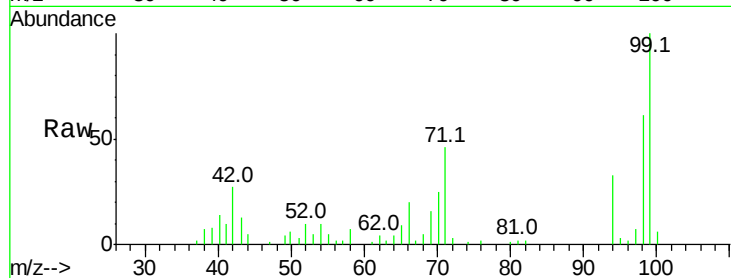
Tot Ion: 94 Resp: 7688

Ion Ratio Lower Upper

94 100

65 28.6 7.9 47.9

66 60.8 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 10.340 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.16 min

Lab File: BF101313.D

Acq: 12 Dec 2017 4:43

Tgt Ion: 70 Resp: 20740

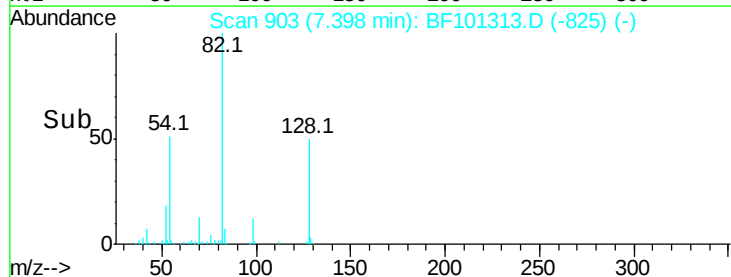
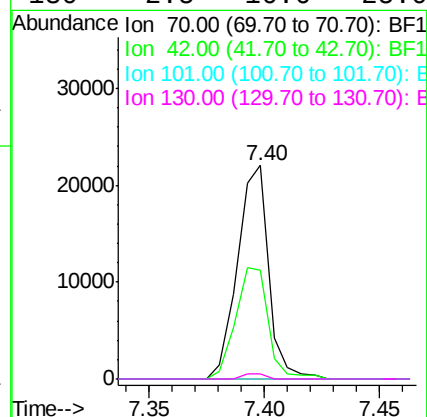
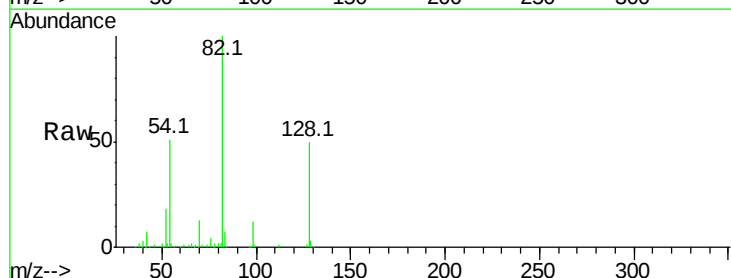
Ion Ratio Lower Upper

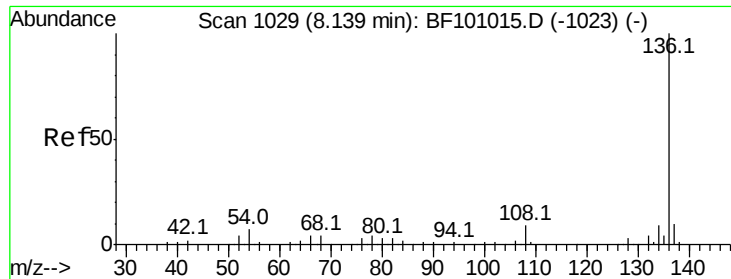
70 100

42 50.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

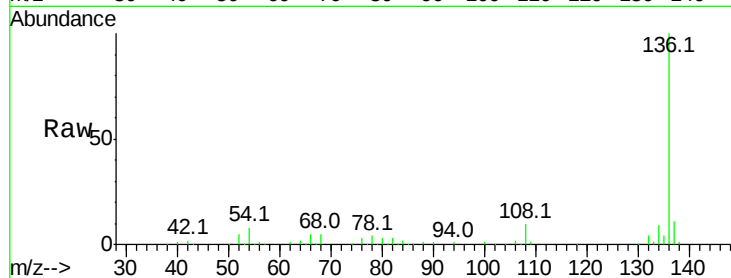




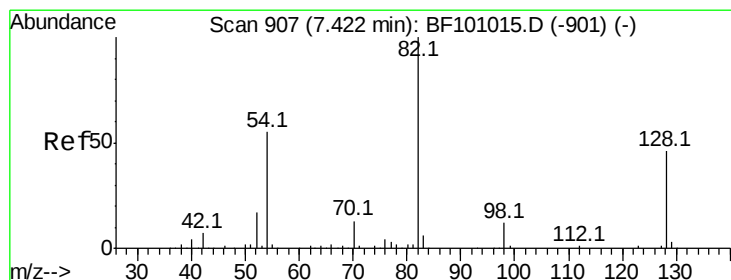
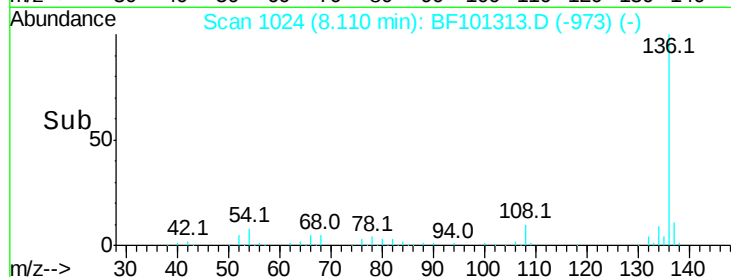
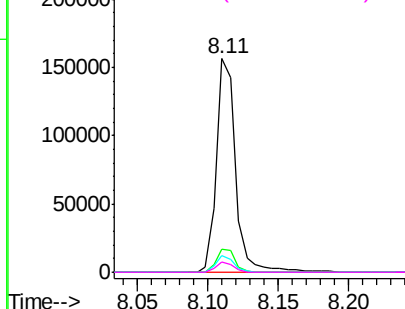
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF101313.D
Acq: 12 Dec 2017 4:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	147957
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.8	6.6	9.8
68	5.0	5.0	7.4

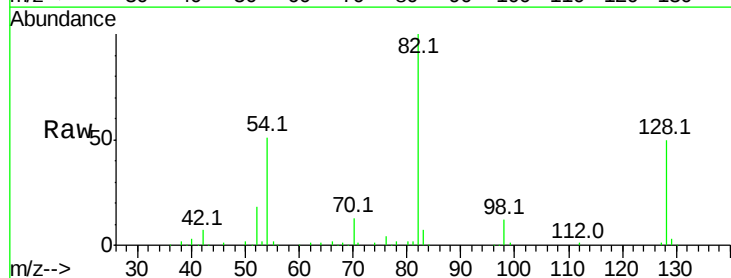


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

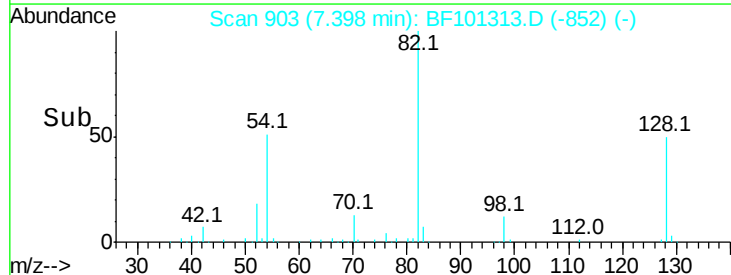
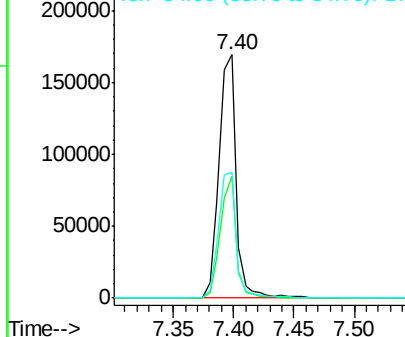


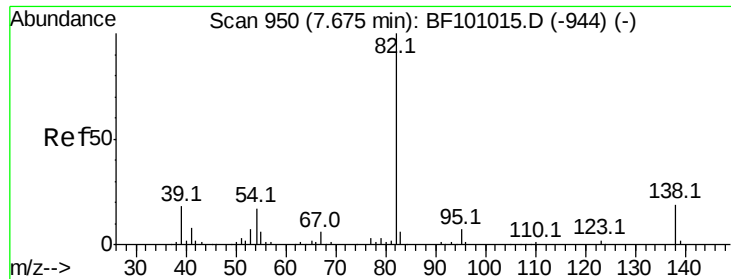
#23
Nitrobenzene-d5
Concen: 66.630 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF101313.D
Acq: 12 Dec 2017 4:43

Tgt Ion:	82	Resp:	165262
Ion	Ratio	Lower	Upper
82	100		
128	50.0	36.1	54.1
54	51.5	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

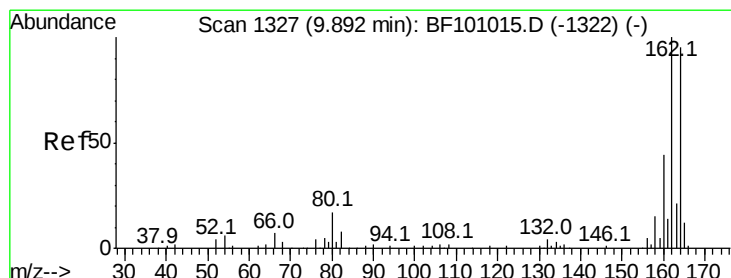
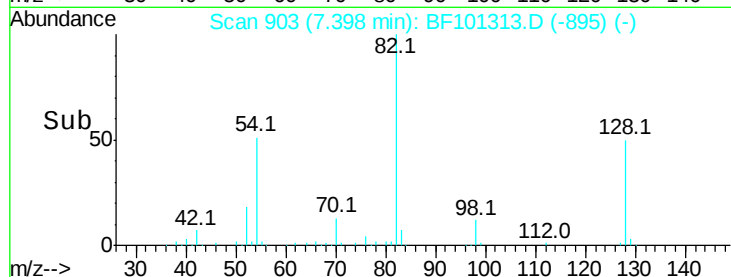
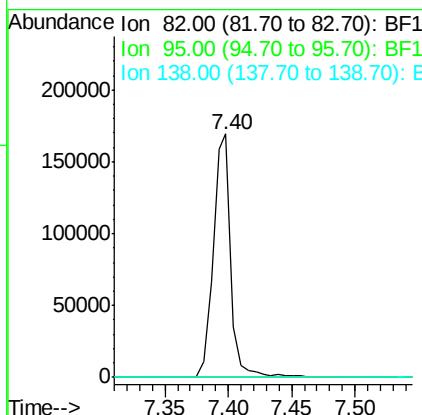
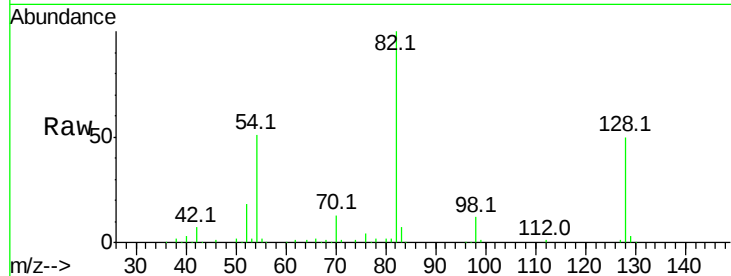




#25
Isophorone
Concen: 39.008 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.25 min
Lab File: BF101313.D
Acq: 12 Dec 2017 4:43

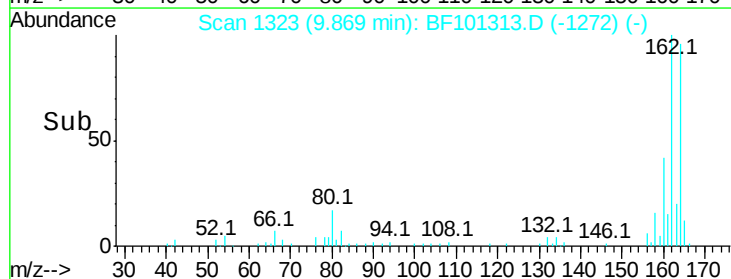
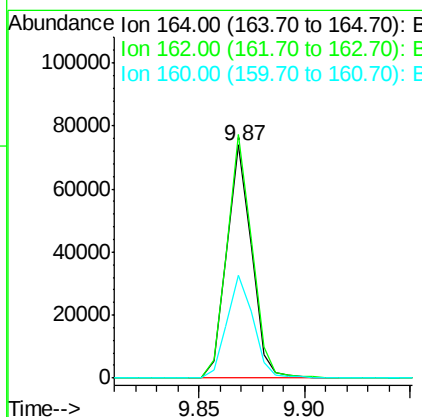
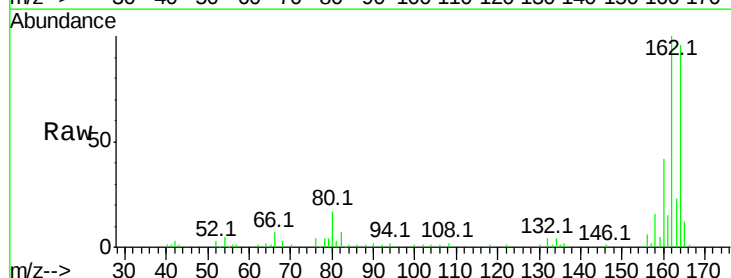
Instrument :
BNA_F
ClientSampleId :

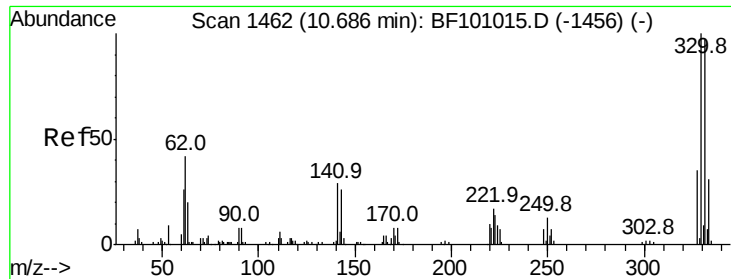
Tot Ion: 82 Resp: 165260
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BF101313.D
Acq: 12 Dec 2017 4:43

Tgt Ion:164 Resp: 59986
Ion Ratio Lower Upper
164 100
162 104.6 86.1 129.1
160 44.2 38.3 57.5

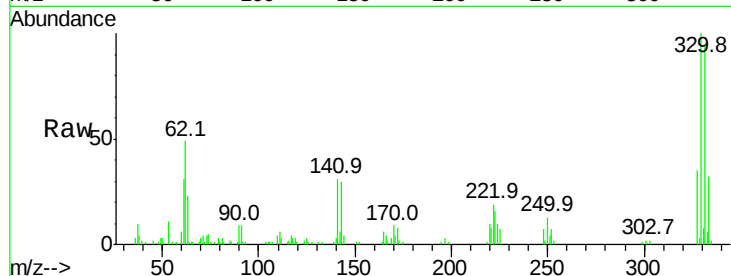




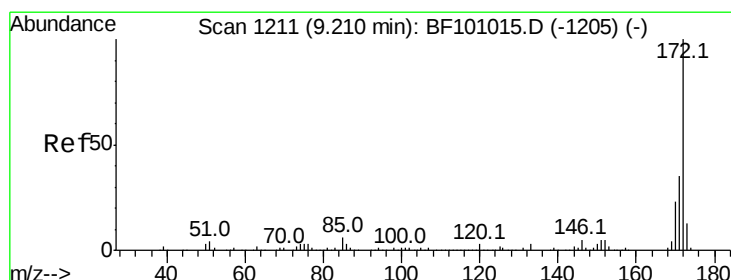
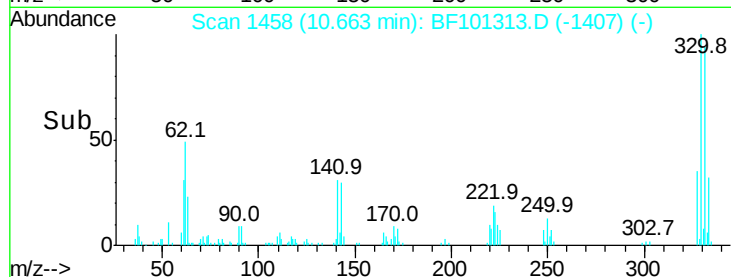
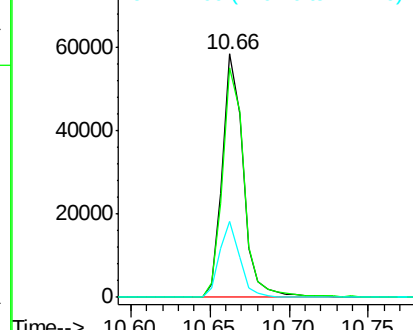
#41
 2,4,6-Tribromophenol
 Concen: 74.610 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: BF101313.D
 Acq: 12 Dec 2017 4:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 53764
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 30.0 29.9 44.9

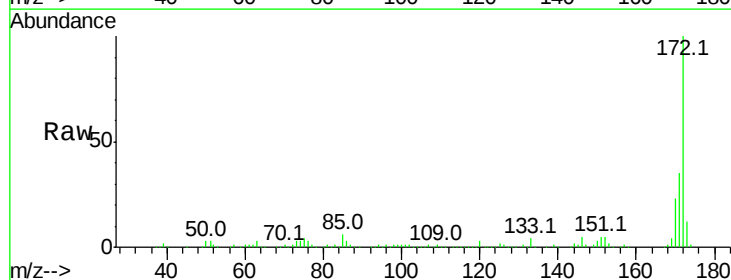


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

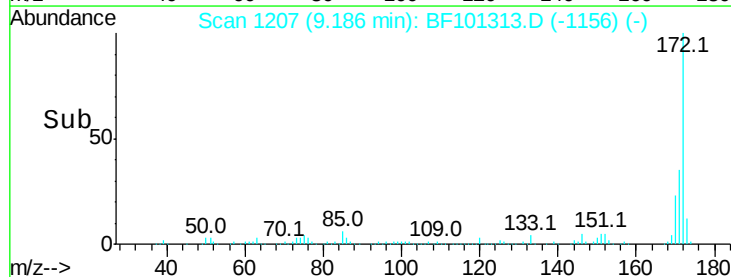
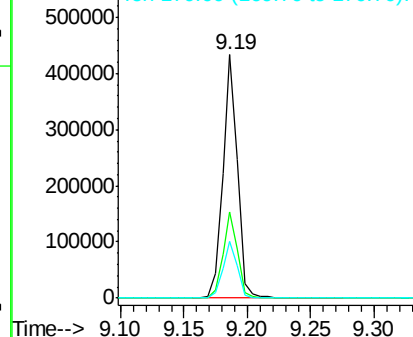


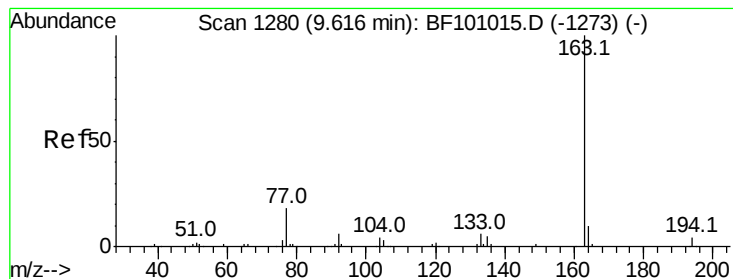
#44
 2-Fluorobiphenyl
 Concen: 80.125 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: BF101313.D
 Acq: 12 Dec 2017 4:43

Tgt Ion:172 Resp: 351294
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.3 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





#49

Dimethylphthalate

Concen: 6.789 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF101313.D

Acq: 12 Dec 2017 4:43

Instrument :

BNA_F

ClientSampleId :

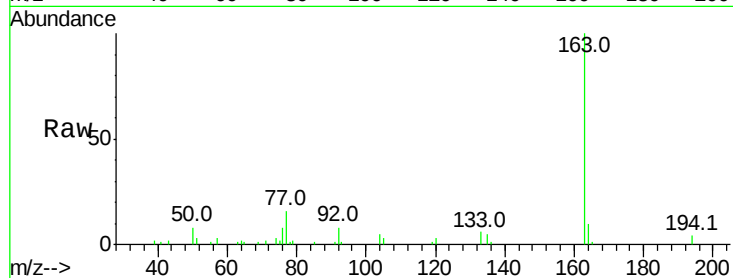
Tot Ion:163 Resp: 32841

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

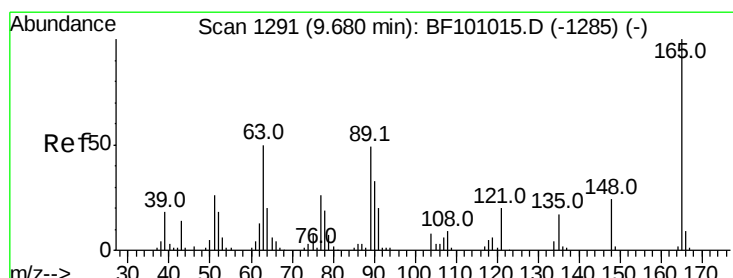
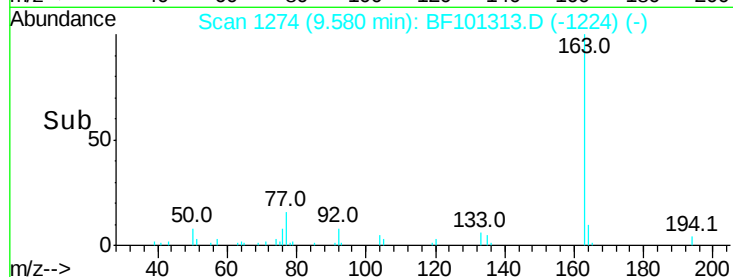
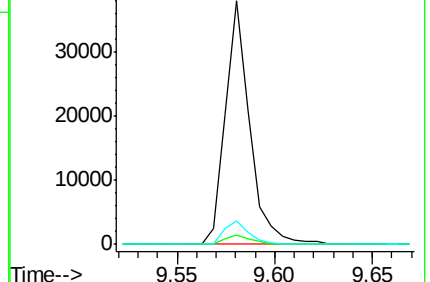
164 9.7 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.541 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.21 min

Lab File: BF101313.D

Acq: 12 Dec 2017 4:43

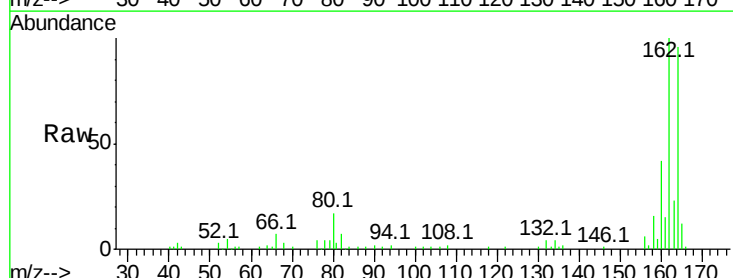
Tgt Ion:165 Resp: 7684

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

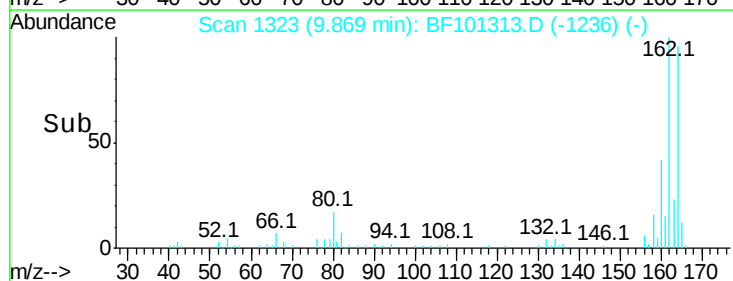
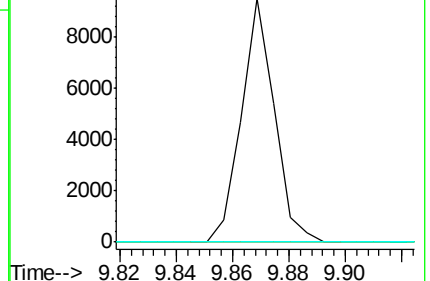
89 0.0 44.0 66.0#

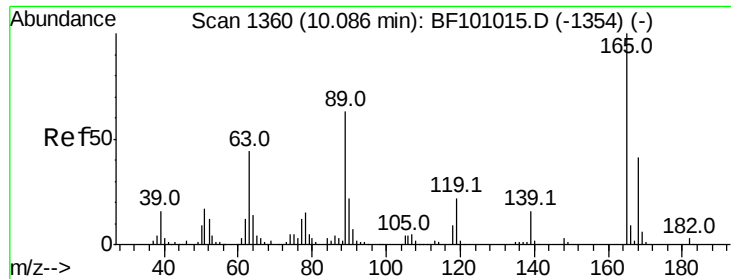


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

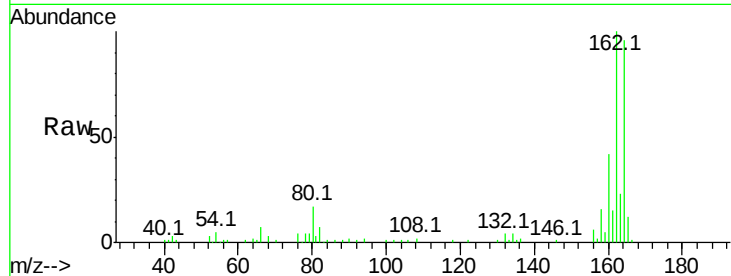




#56
 2,4-Dinitrotoluene
 Concen: 5.627 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF101313.D
 Acq: 12 Dec 2017 4:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	7684
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#

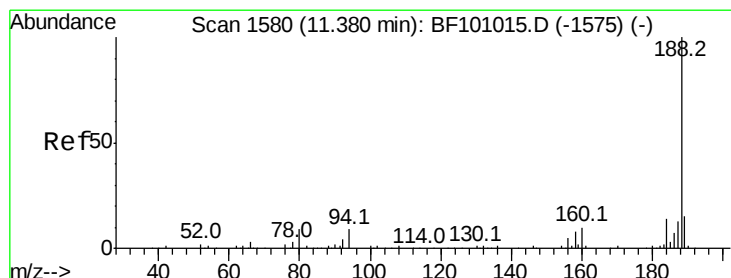
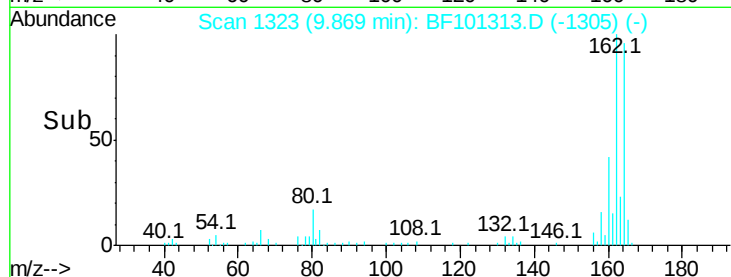
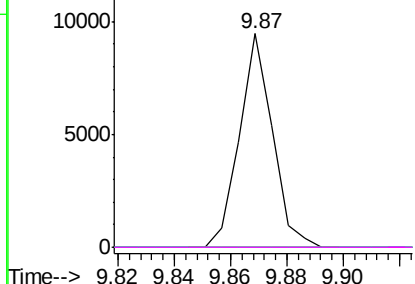


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

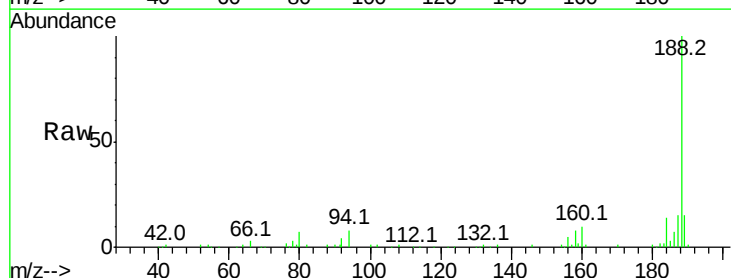
Ion 89.00 (88.70 to 89.70): BF1

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: BF101313.D
 Acq: 12 Dec 2017 4:43

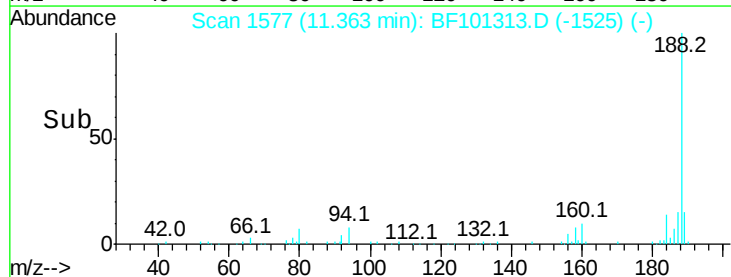
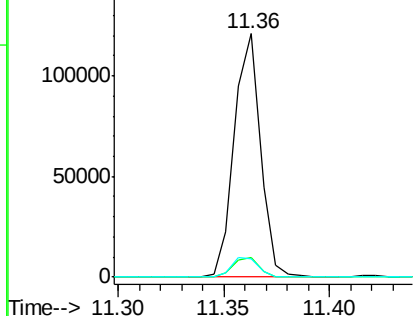
Tgt Ion:188	Resp:	103397
Ion Ratio	Lower	Upper
188	100	
94	7.9	8.5 12.7#
80	7.3	9.2 13.8#

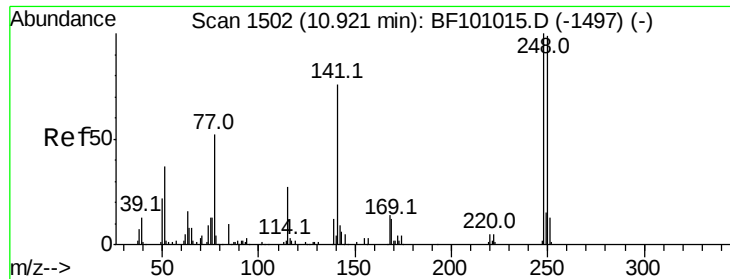


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

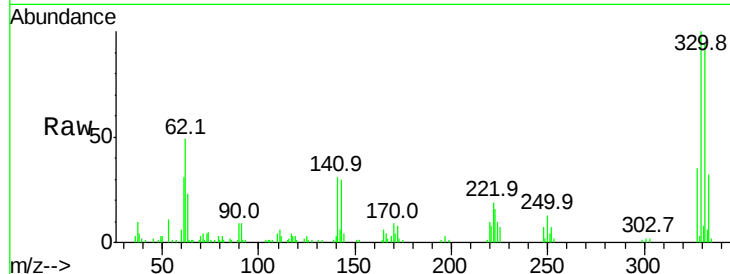




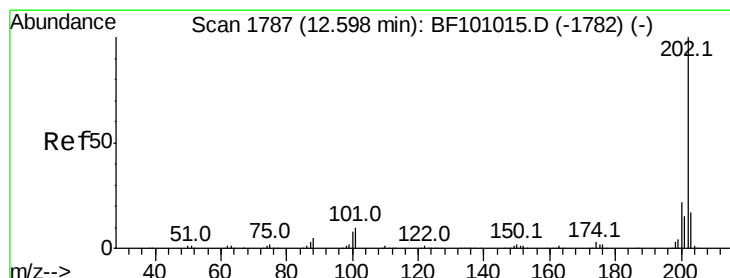
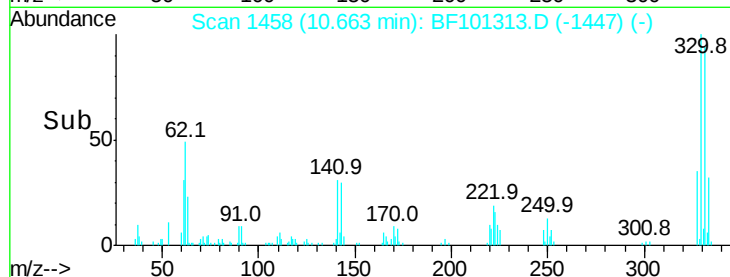
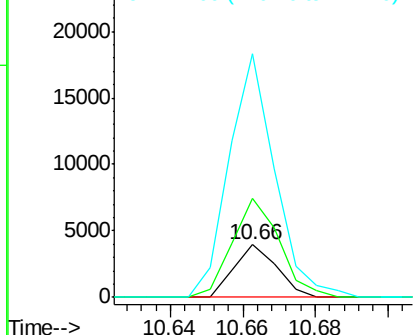
#66
 4-Bromophenyl-phenylether
 Concen: 2.769 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.24 min
 Lab File: BF101313.D
 Acq: 12 Dec 2017 4:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	189.4	76.9	115.3
141	463.6	74.4	111.6

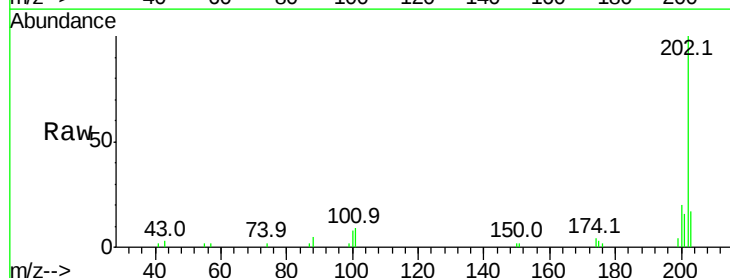


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

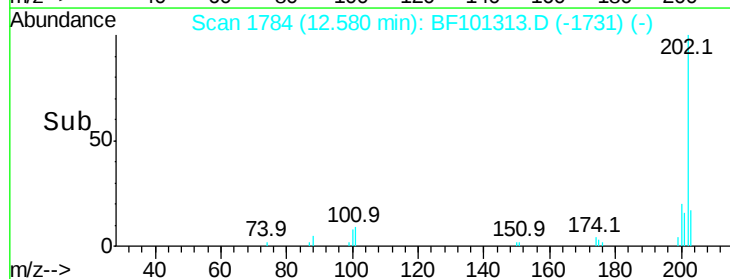
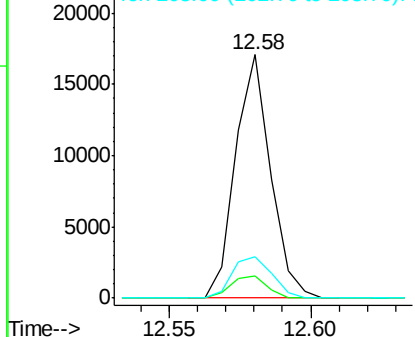


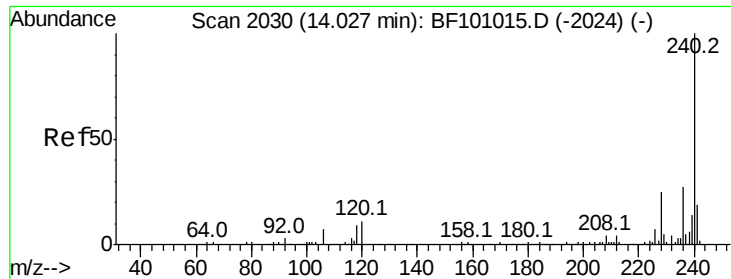
#74
 Fluoranthene
 Concen: 2.333 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF101313.D
 Acq: 12 Dec 2017 4:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	34.1
203	16.8	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: BF101313.D

Acq: 12 Dec 2017 4:43

Instrument :

BNA_F

ClientSampleId :

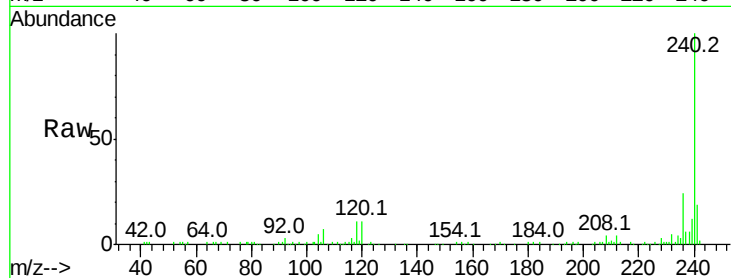
Tot Ion:240 Resp: 87754

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

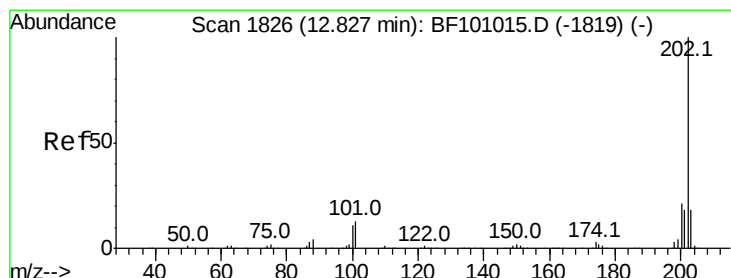
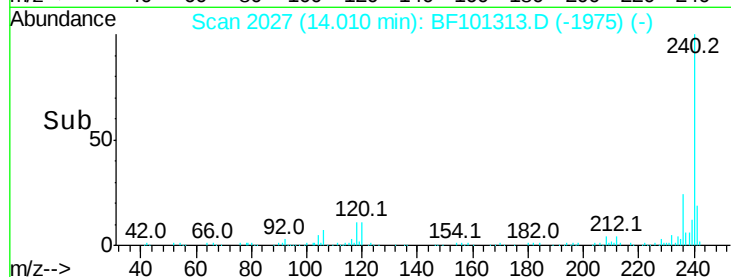
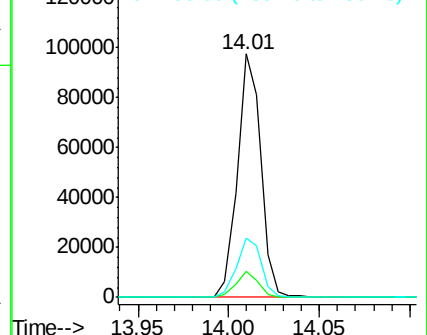
236 24.4 20.7 31.1



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



#77

Pyrene

Concen: 2.137 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF101313.D

Acq: 12 Dec 2017 4:43

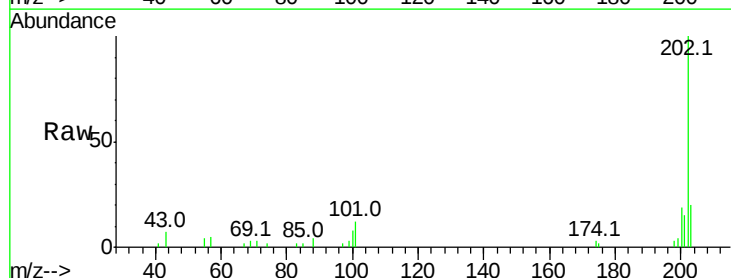
Tgt Ion:202 Resp: 12938

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

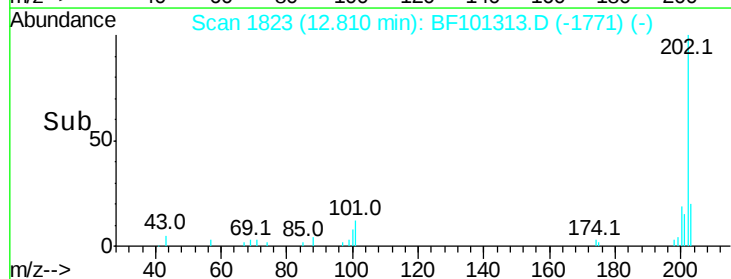
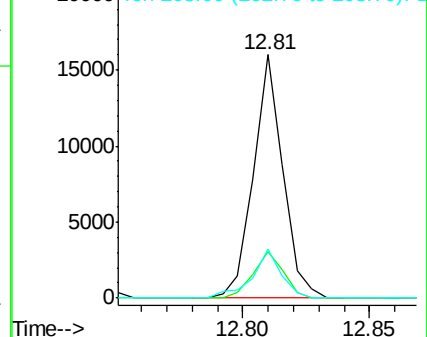
203 19.9 14.3 21.5

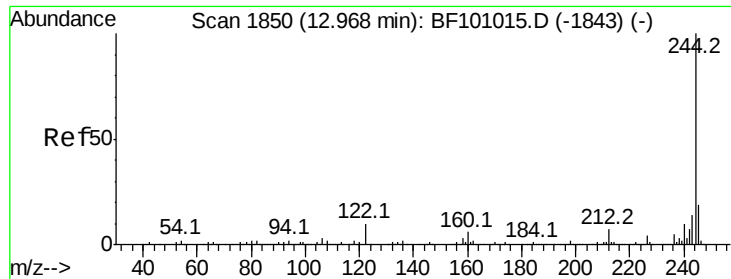


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

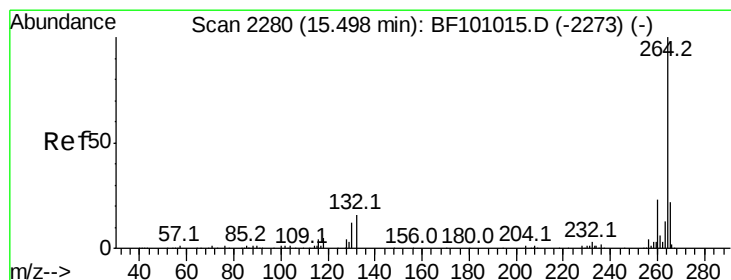
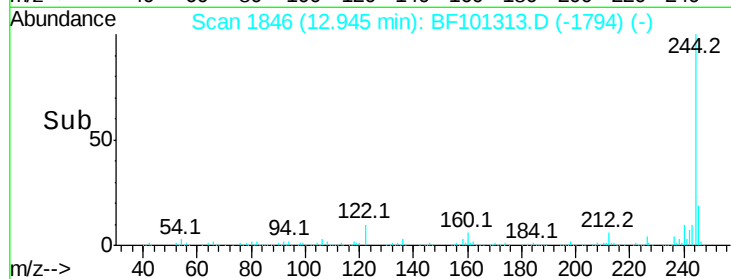
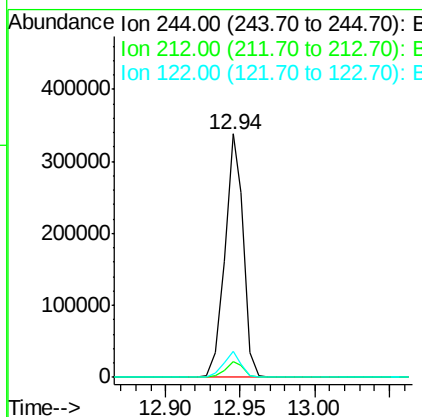
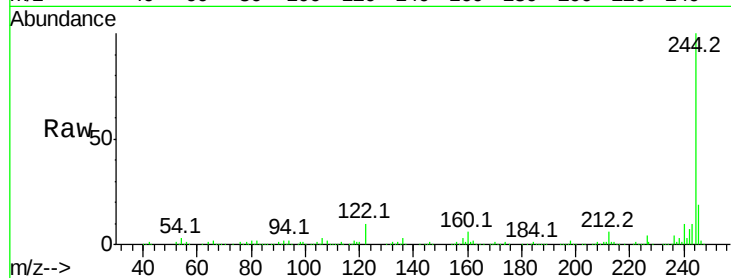




#78
 Terphenyl-d14
 Concen: 73.076 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BF101313.D
 Acq: 12 Dec 2017 4:43

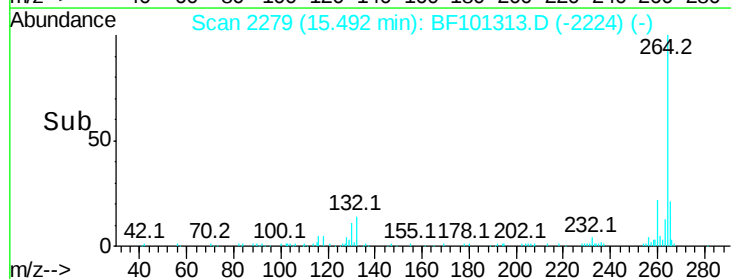
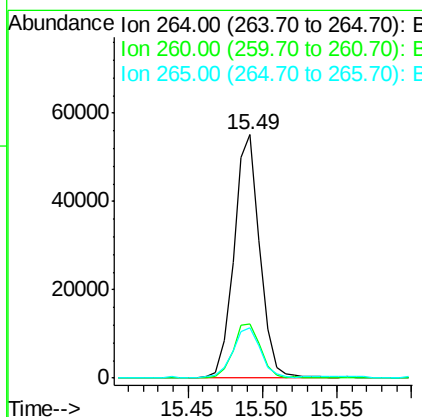
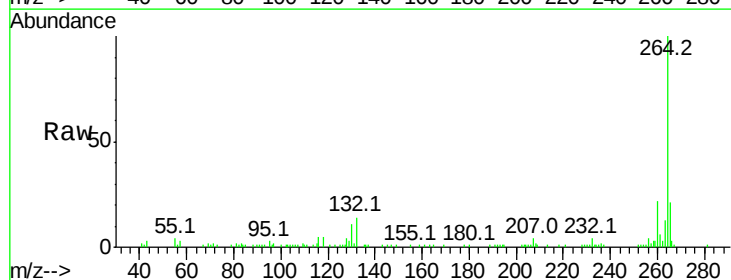
Instrument :
 BNA_F
 ClientSampleId :

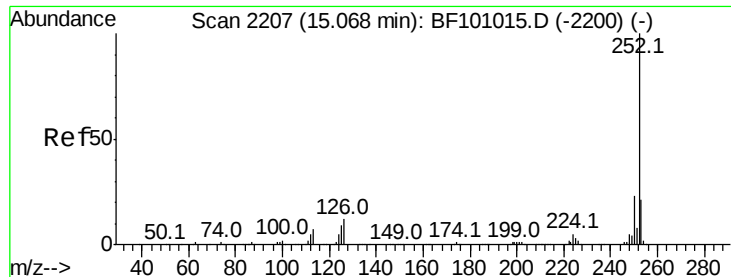
Tot Ion:244 Resp: 293184
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.4 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.02 min
 Lab File: BF101313.D
 Acq: 12 Dec 2017 4:43

Tgt Ion:264 Resp: 66716
 Ion Ratio Lower Upper
 264 100
 260 22.1 19.2 28.8
 265 20.6 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.001 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.02 min

Lab File: BF101313.D

Acq: 12 Dec 2017 4:43

Instrument :

BNA_F

ClientSampleId :

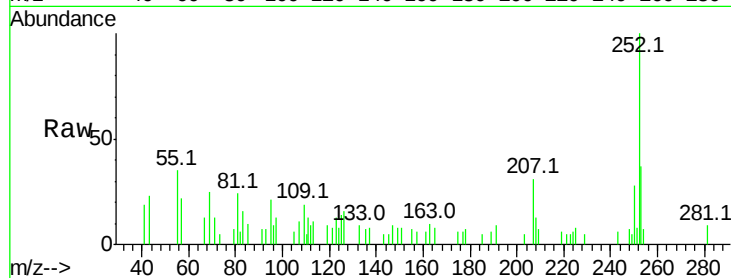
Tot Ion:252 Resp: 11992

Ion Ratio Lower Upper

252 100

253 36.8 17.0 25.6#

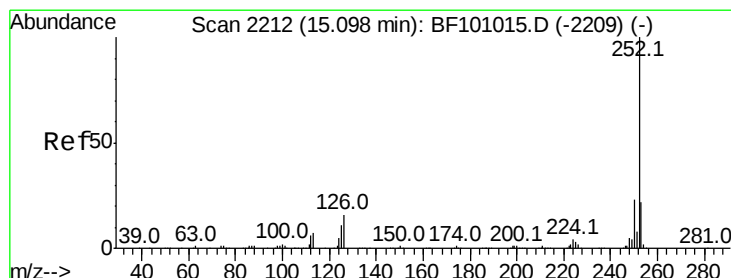
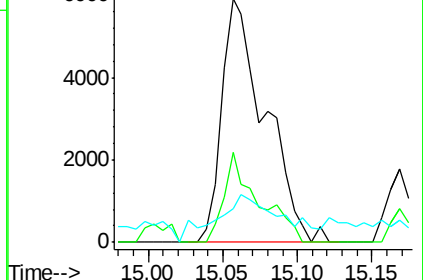
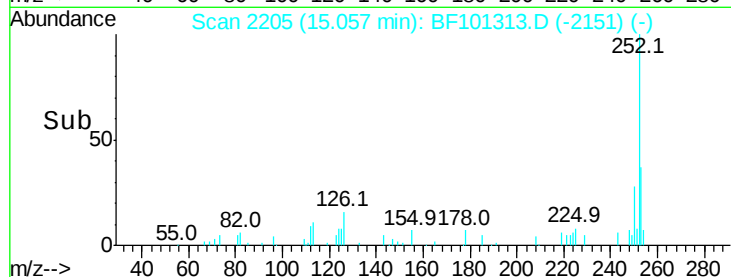
125 13.9 9.0 13.6#



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: 3.046 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF101313.D

Acq: 12 Dec 2017 4:43

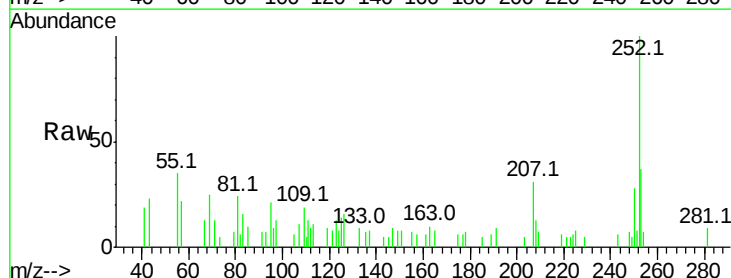
Tgt Ion:252 Resp: 11992

Ion Ratio Lower Upper

252 100

253 36.8 17.9 26.9#

125 13.9 10.2 15.2



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

