

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101335.D
 Acq On : 12 Dec 2017 17:43
 Operator : SJ/JU
 Sample : I6822-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 00:36:45 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	6.82	152	45854	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	173753	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	72791	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	120762	20.00	ng	0.00
75) Chrysene-d12	14.01	240	102439	20.00	ng	0.00
86) Perylene-d12	15.49	264	81615	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	13604	4.90	ng	0.01
7) Phenol-d6	6.46	99	249478	74.05	ng	0.00
23) Nitrobenzene-d5	7.39	82	212781	73.05	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	219	0.25	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	444985	83.64	ng	0.00
78) Terphenyl-d14	12.94	244	355624	75.93	ng	0.00

Target Compounds

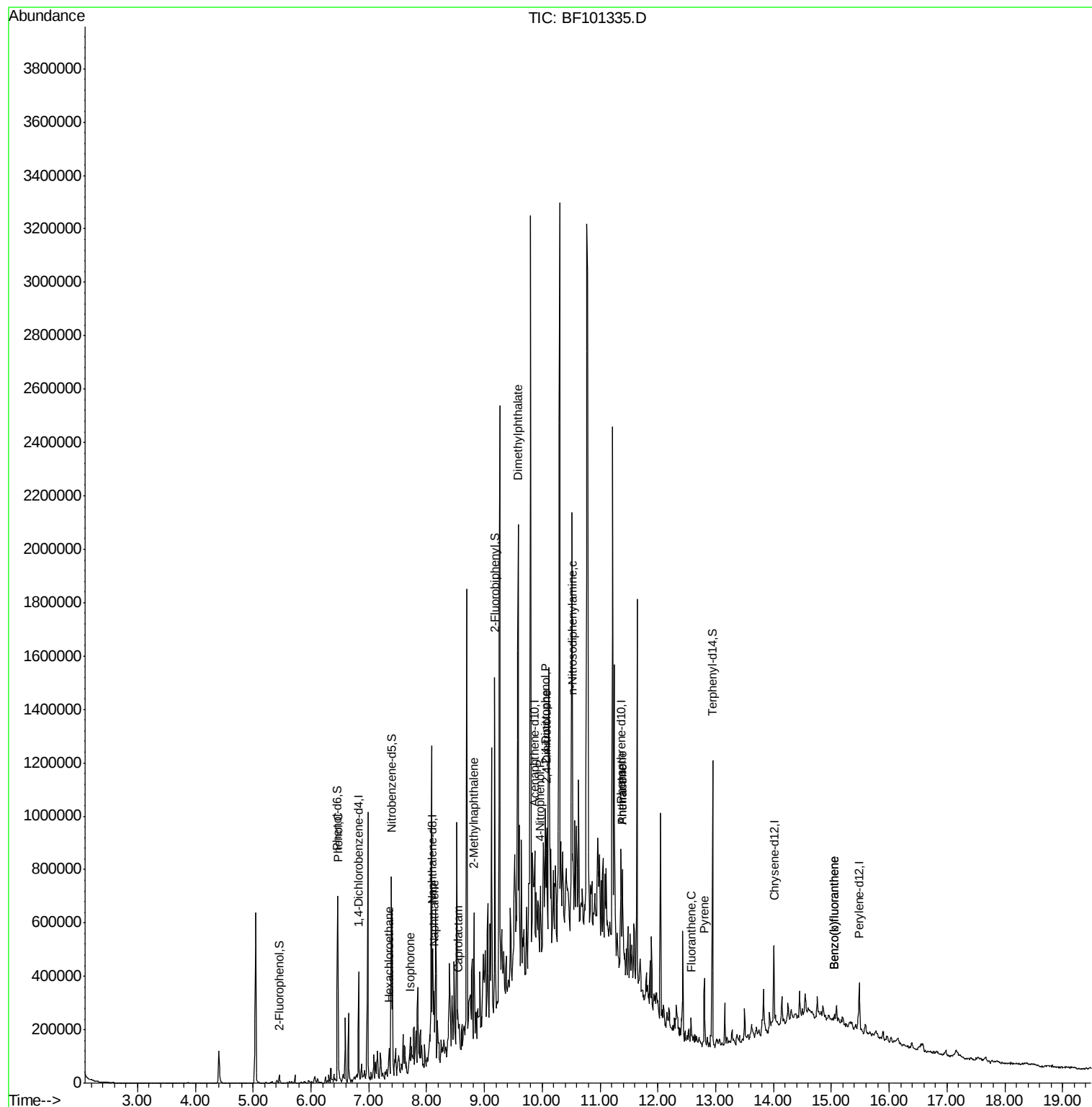
						Qvalue
10) Phenol	6.47	94	10856	2.898	ng	79
18) Hexachloroethane	7.35	117	2630	2.244	ng	# 1
25) Isophorone	7.72	82	15646	3.145	ng	# 65
31) Naphthalene	8.13	128	60980	7.121	ng	98
35) Caprolactam	8.55	113	1596	2.075	ng	# 1
37) 2-Methylnaphthalene	8.82	142	110942	19.066	ng	95
49) Dimethylphthalate	9.57	163	47553	8.100	ng	# 93
53) 2,4-Dinitrophenol	10.05	184	528	5.608	ng	# 56
55) 4-Nitrophenol	9.97	139	5039	5.374	ng	# 8
56) 2,4-Dinitrotoluene	10.07	165	3862	2.331	ng	# 61
65) n-Nitrosodiphenylamine	10.53	169	44446	10.432	ng	# 38
70) Phenanthrene	11.39	178	79258	11.918	ng	99
71) Anthracene	11.39	178	79258	11.776	ng	100
74) Fluoranthene	12.57	202	24546	3.330	ng	93
77) Pyrene	12.80	202	22375	3.165	ng	98
87) Benzo(b)fluoranthene	15.05	252	16449	3.365	ng	# 71
88) Benzo(k)fluoranthene	15.05	252	16449	3.415	ng	# 71

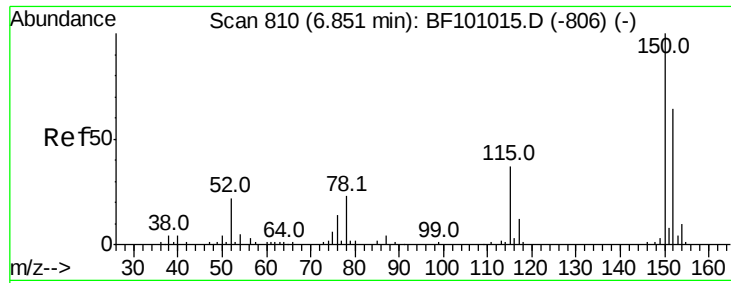
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121217\
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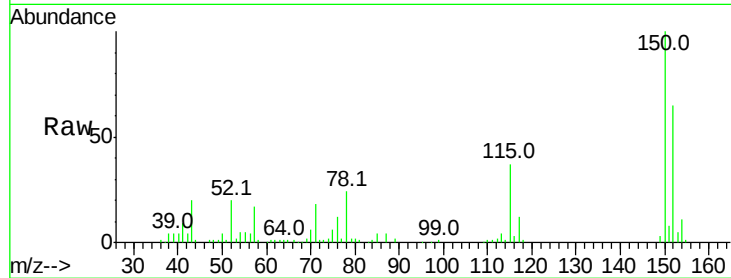


#1

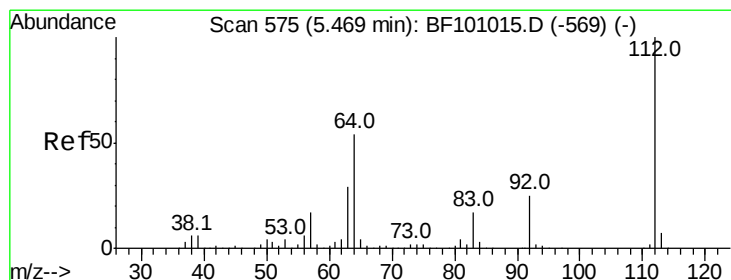
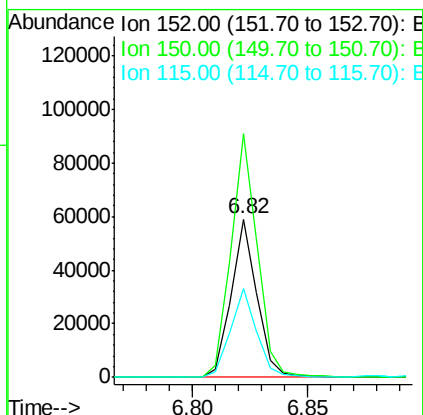
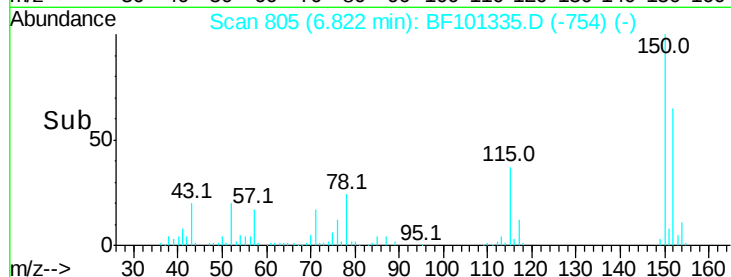
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 45854
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 56.1 50.1 75.1



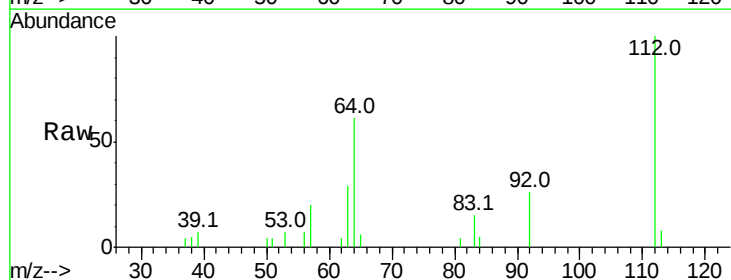
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



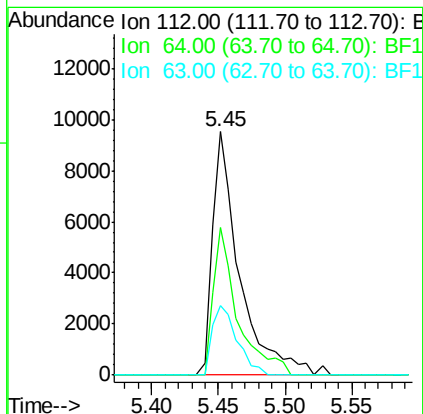
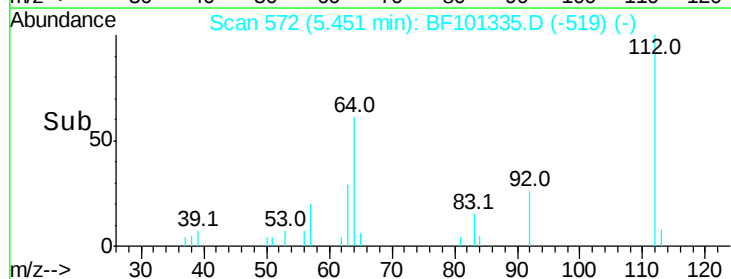
#5

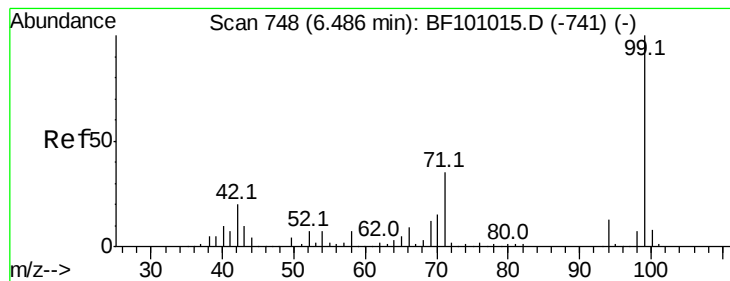
2-Fluorophenol
Concen: 4.902 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

Tgt Ion:112 Resp: 13604
Ion Ratio Lower Upper
112 100
64 60.8 47.9 71.9
63 28.6 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: 74.051 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101335.D

Acq: 12 Dec 2017 17:43

Instrument :

BNA_F

ClientSampleId :

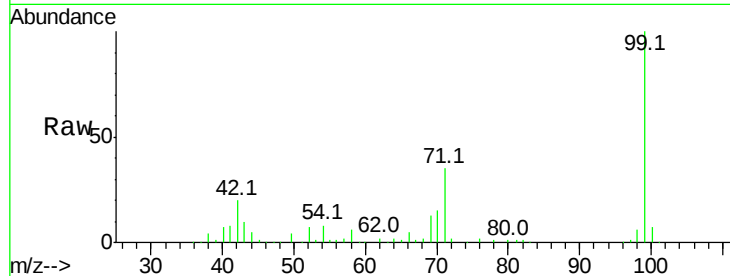
Tot Ion: 99 Resp: 249478

Ion Ratio Lower Upper

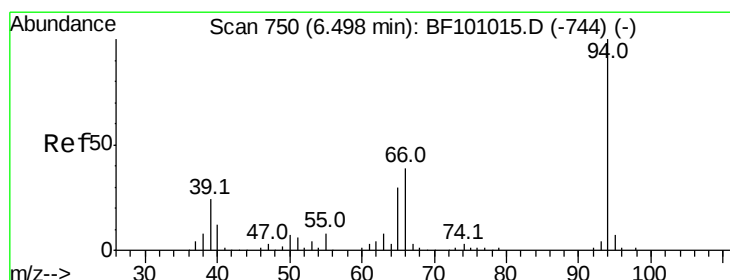
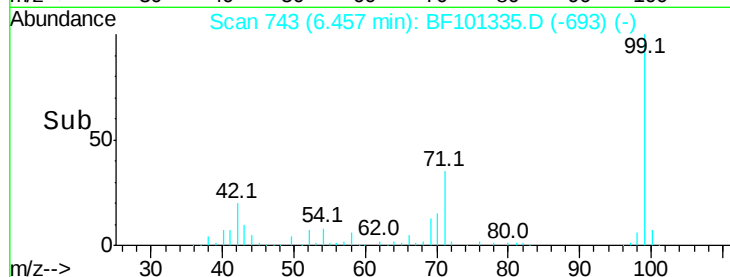
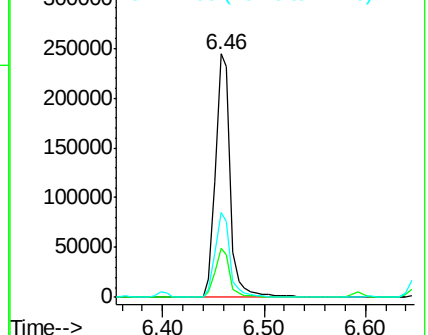
99 100

42 20.3 14.5 21.7

71 35.1 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



#10

Phenol

Concen: 2.898 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF101335.D

Acq: 12 Dec 2017 17:43

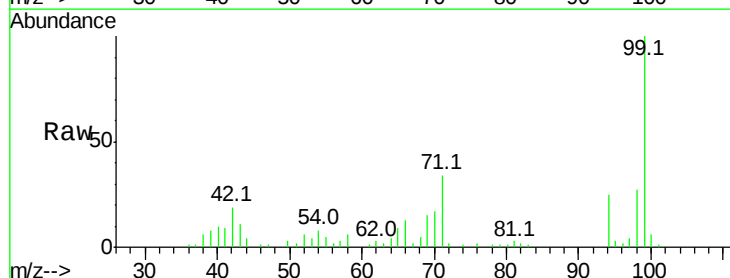
Tgt Ion: 94 Resp: 10856

Ion Ratio Lower Upper

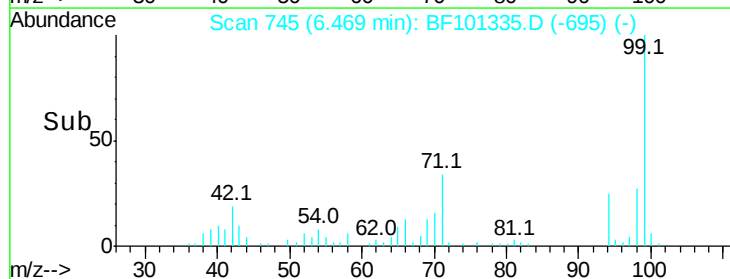
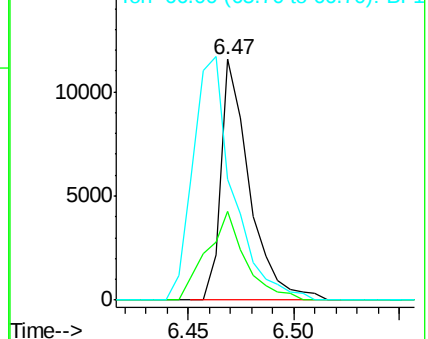
94 100

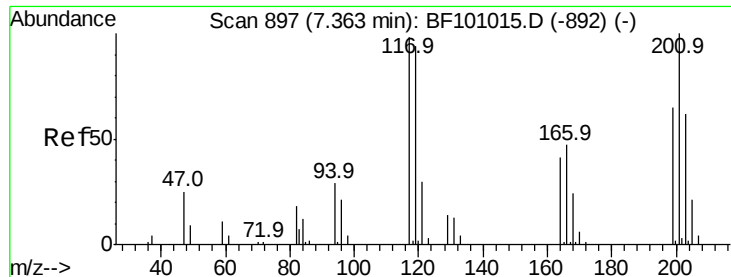
65 36.8 7.9 47.9

66 50.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

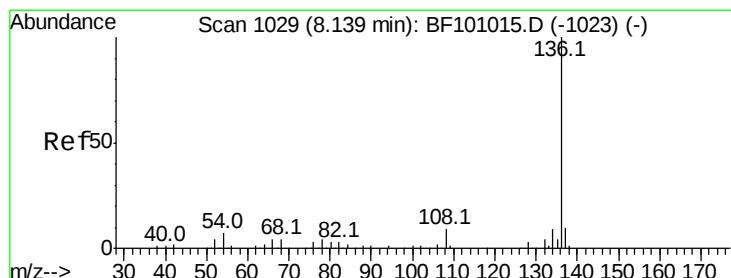
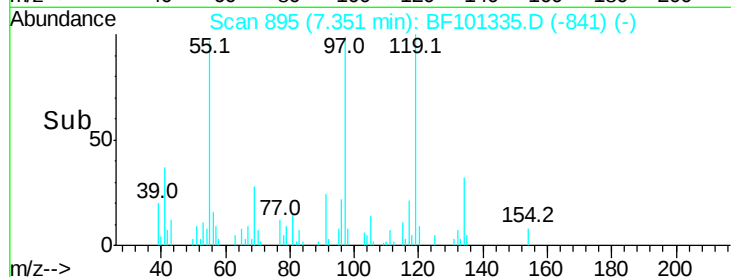
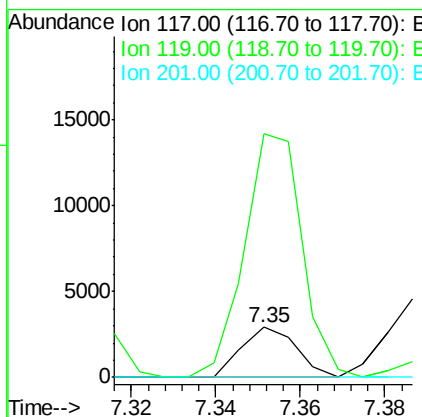
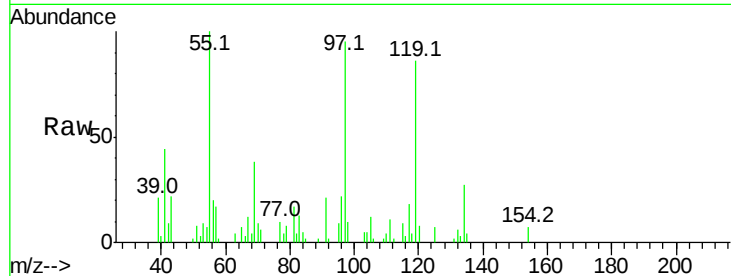




#18
Hexachloroethane
Concen: 2.244 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.02 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

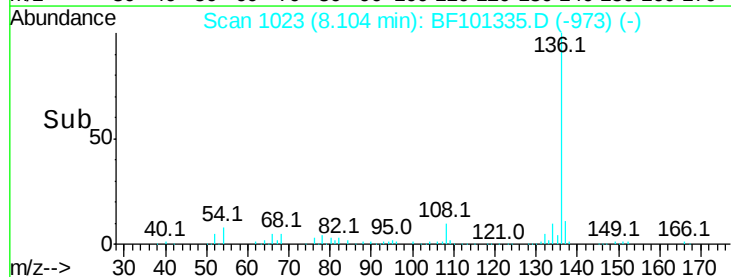
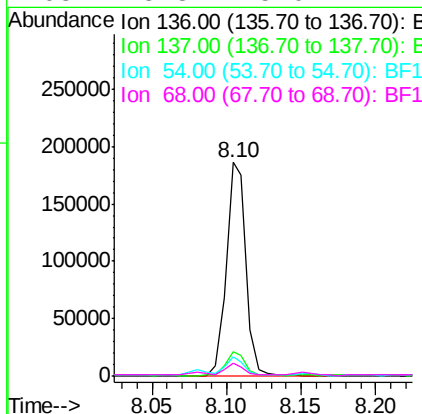
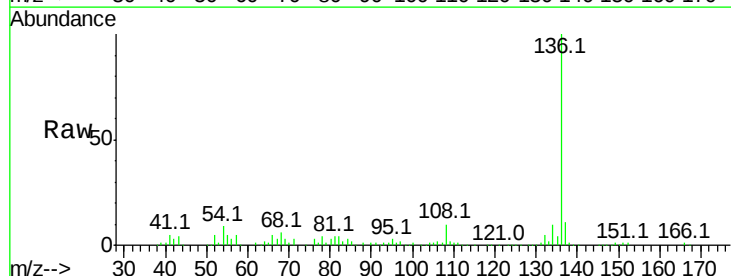
Instrument :
BNA_F
ClientSampleId :

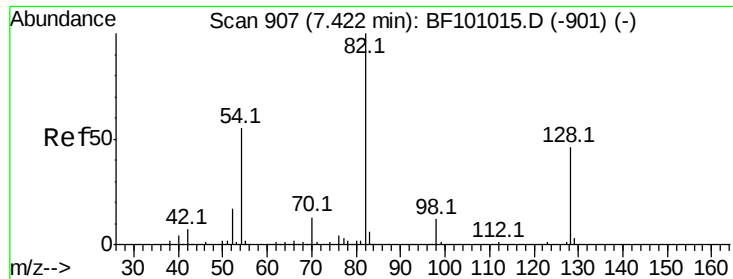
Tot Ion:117 Resp: 2630
Ion Ratio Lower Upper
117 100
119 484.5 75.8 113.8#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

Tgt Ion:136 Resp: 173753
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 8.7 6.6 9.8
68 5.8 5.0 7.4

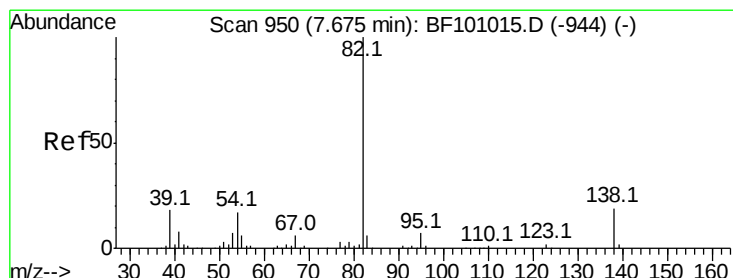
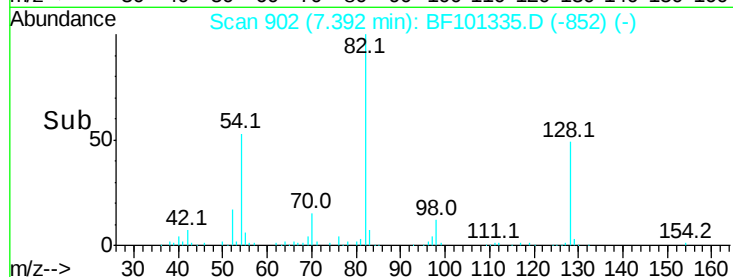
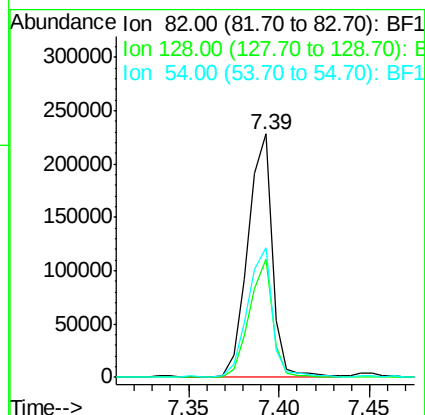
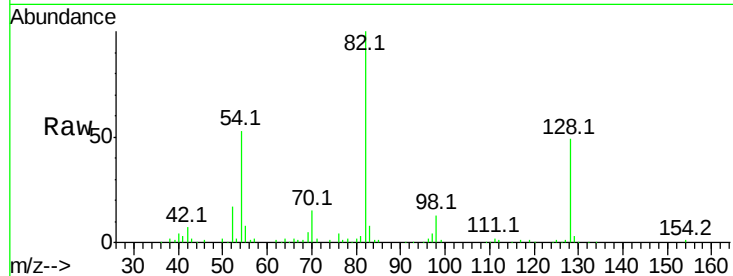




#23
Nitrobenzene-d5
Concen: 73.052 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

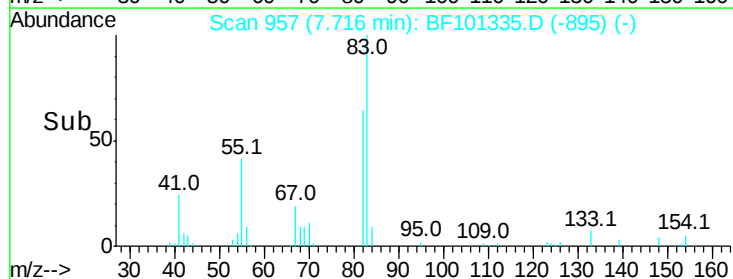
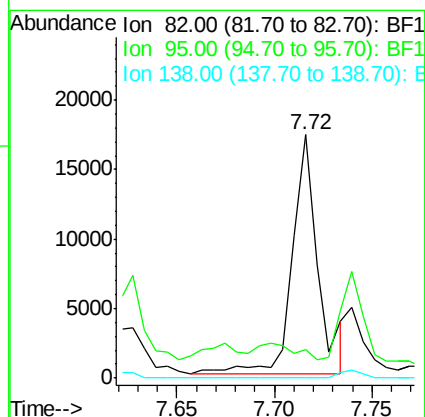
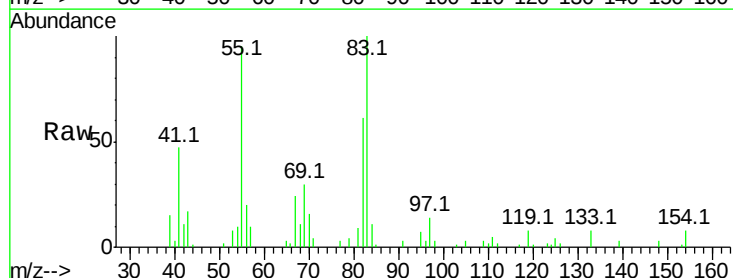
Instrument :
BNA_F
ClientSampleId :

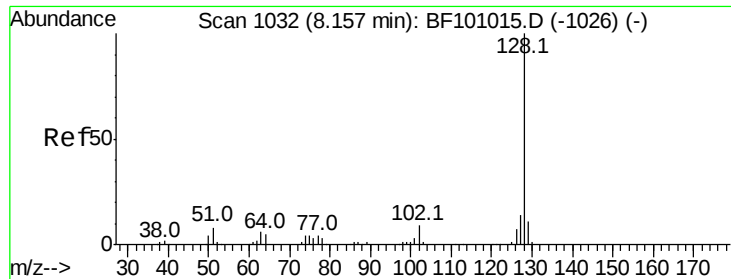
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	36.1	54.1
54	53.2	41.4	62.2



#25
Isophorone
Concen: 3.145 ng
RT: 7.72 min Scan# 957
Delta R.T. 0.06 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

Tgt Ion	Ratio	Lower	Upper
82	100		
95	11.6	5.2	7.8#
138	0.0	14.9	22.3#

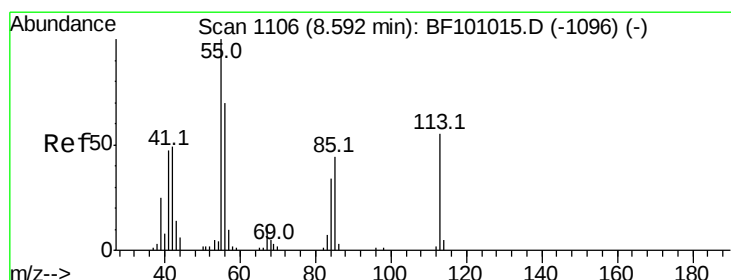
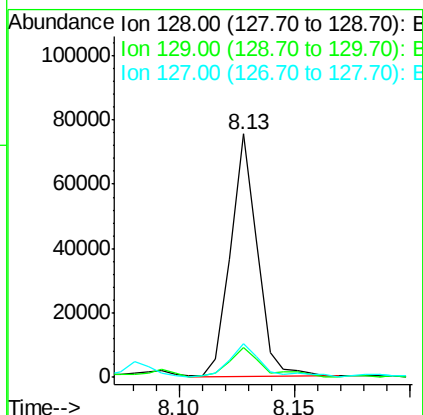
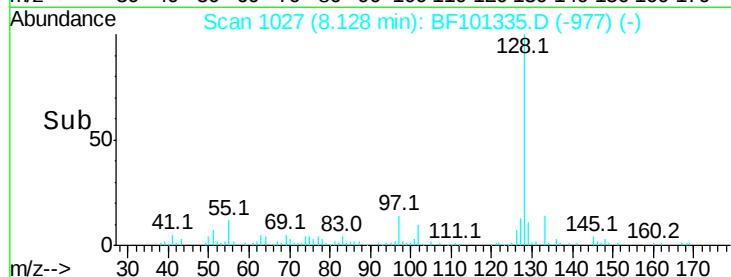
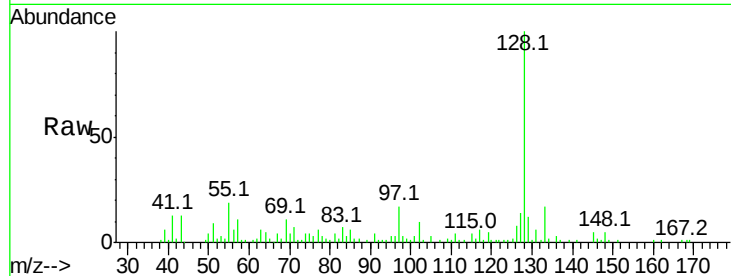




#31
Naphthalene
Concen: 7.121 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

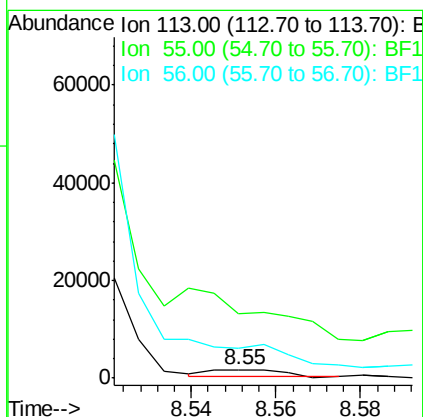
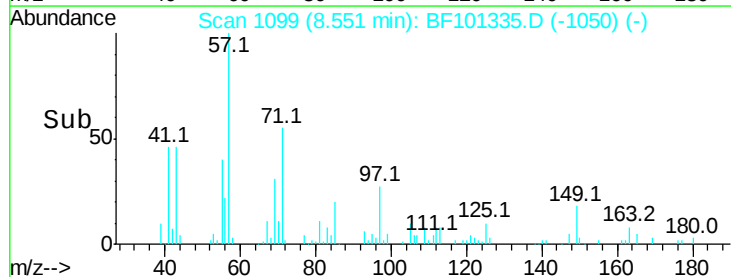
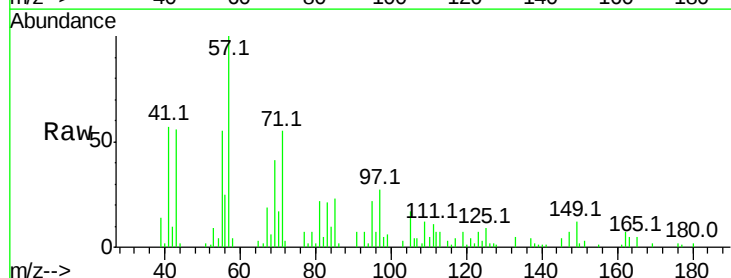
Instrument :
BNA_F
ClientSampleId :

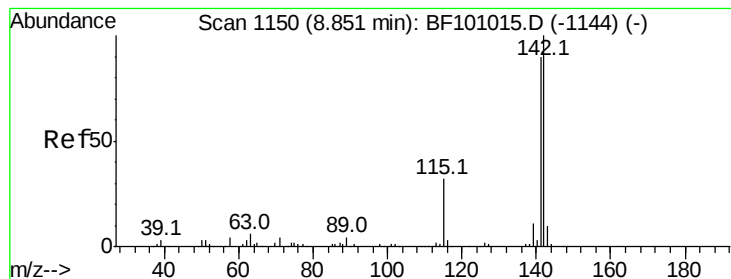
Tot Ion:128 Resp: 60980
Ion Ratio Lower Upper
128 100
129 12.2 8.8 13.2
127 13.7 10.9 16.3



#35
Caprolactam
Concen: 2.075 ng
RT: 8.55 min Scan# 1099
Delta R.T. -0.01 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

Tgt Ion:113 Resp: 1596
Ion Ratio Lower Upper
113 100
55 750.3 163.3 203.3#
56 345.0 115.7 155.7#





#37

2-Methylnaphthalene

Concen: 19.066 ng

RT: 8.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF101335.D

Acq: 12 Dec 2017 17:43

Instrument :

BNA_F

ClientSampleId :

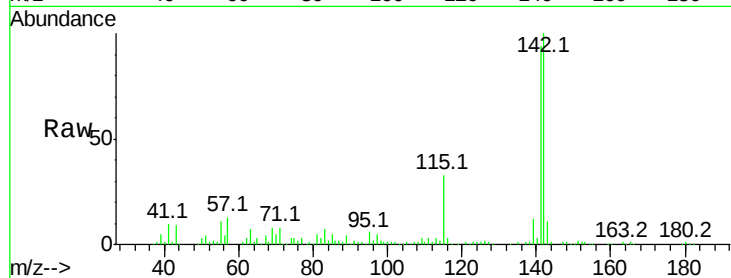
Tot Ion:142 Resp: 110942

Ion Ratio Lower Upper

142 100

141 94.4 70.8 106.2

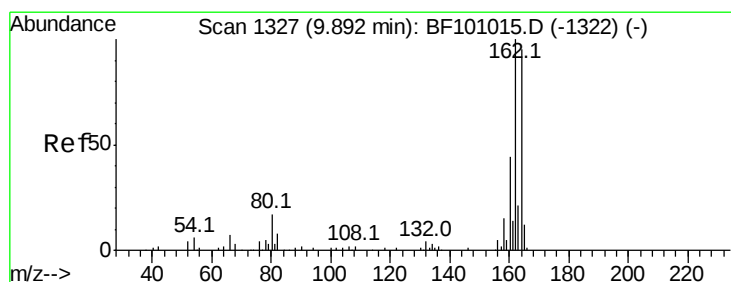
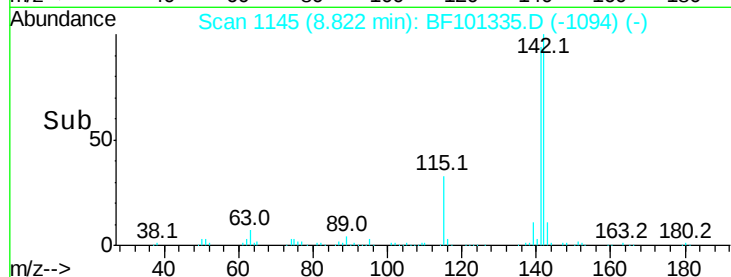
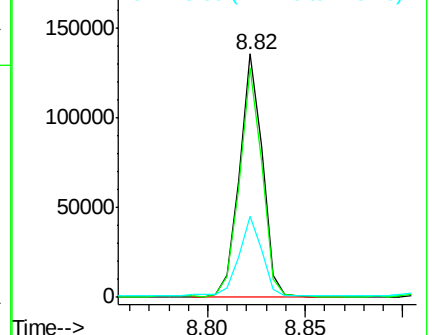
115 33.3 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF101335.D

Acq: 12 Dec 2017 17:43

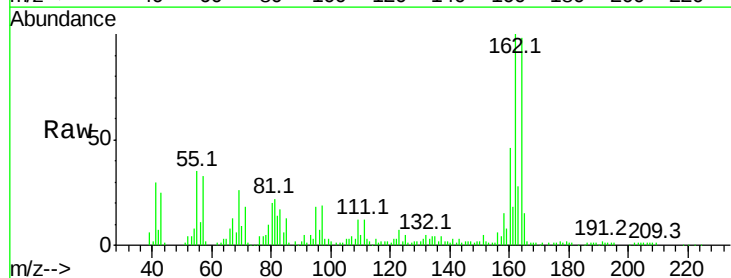
Tgt Ion:164 Resp: 72791

Ion Ratio Lower Upper

164 100

162 101.9 86.1 129.1

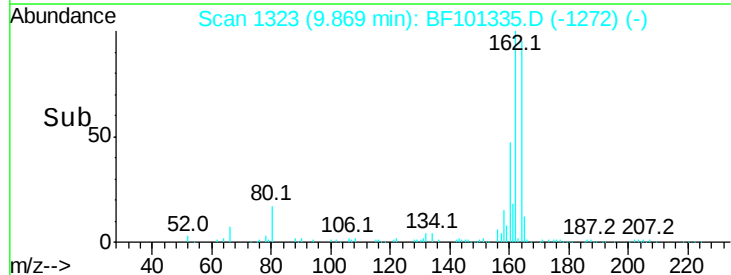
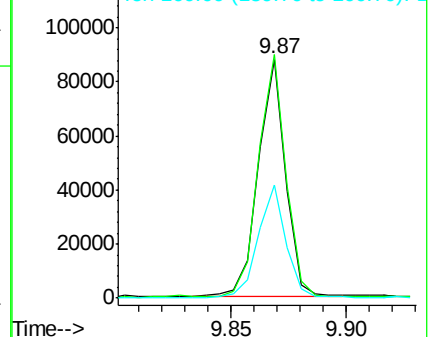
160 47.2 38.3 57.5

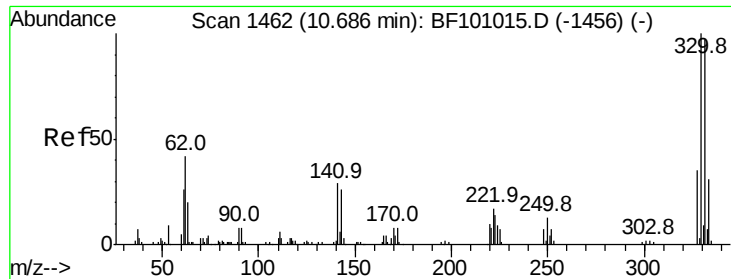


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

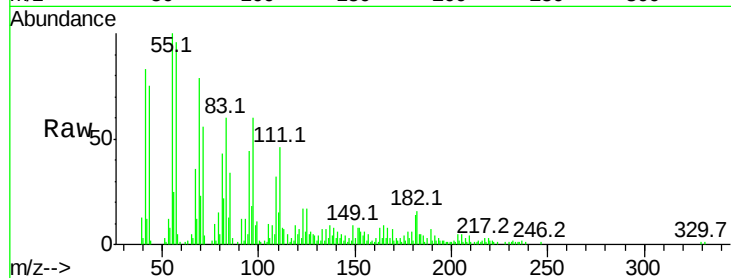




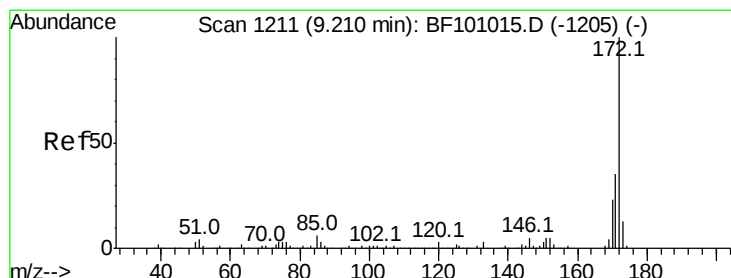
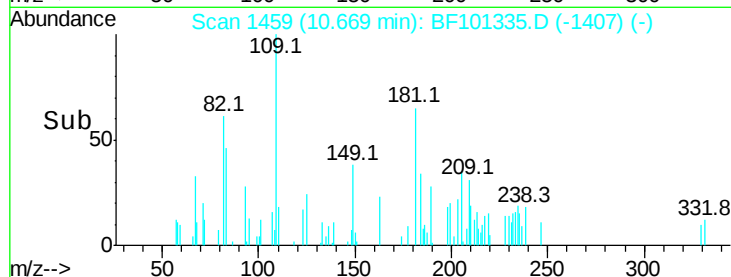
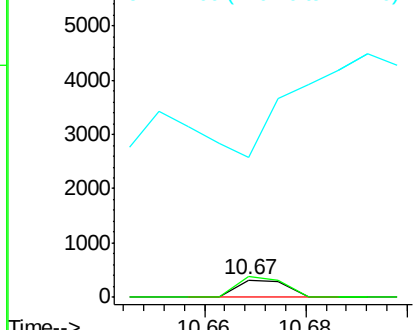
#41
 2,4,6-Tribromophenol
 Concen: 0.250 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.01 min
 Lab File: BF101335.D
 Acq: 12 Dec 2017 17:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 219
 Ion Ratio Lower Upper
 330 100
 332 112.3 77.0 115.6
 141 0.0 29.9 44.9#

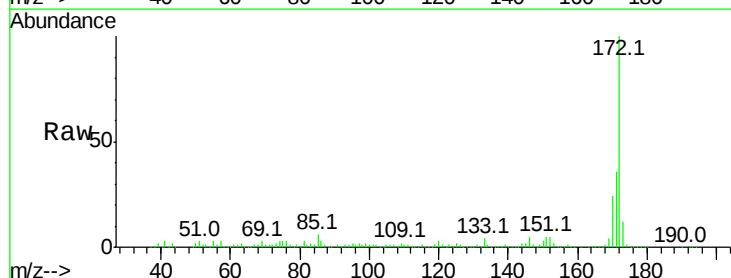


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

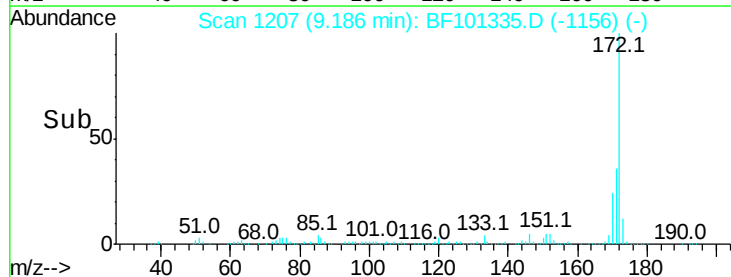
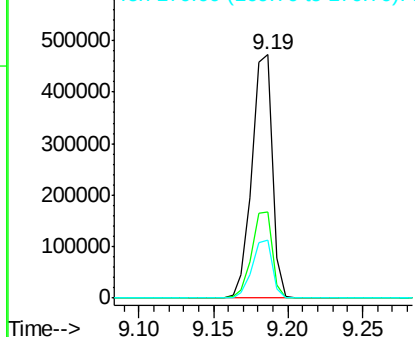


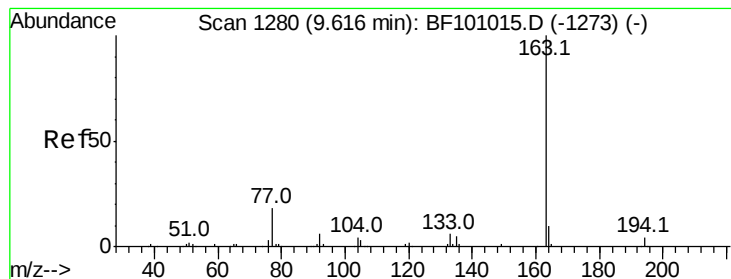
#44
 2-Fluorobiphenyl
 Concen: 83.641 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: BF101335.D
 Acq: 12 Dec 2017 17:43

Tgt Ion:172 Resp: 444985
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.9 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: 8.100 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101335.D

Acq: 12 Dec 2017 17:43

Instrument :

BNA_F

ClientSampled :

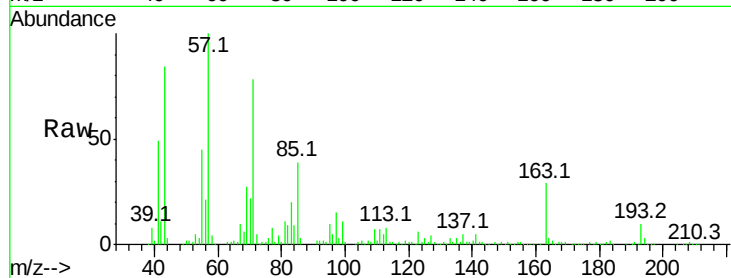
Tot Ion:163 Resp: 47553

Ion Ratio Lower Upper

163 100

194 10.9 2.7 4.1#

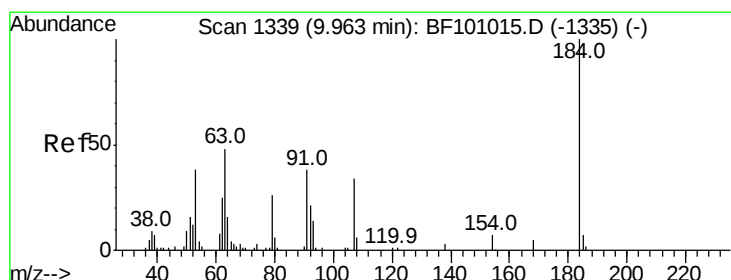
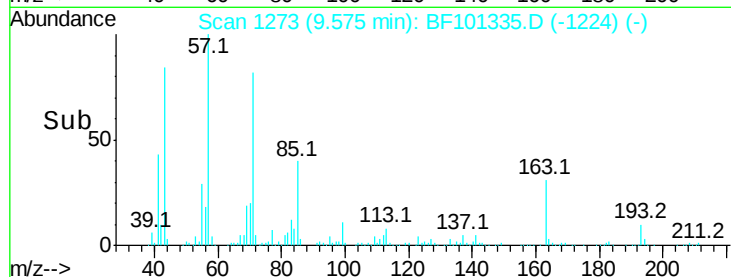
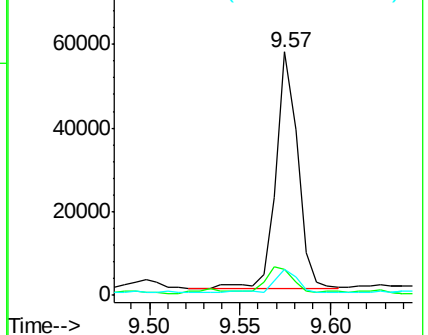
164 10.9 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 5.608 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.11 min

Lab File: BF101335.D

Acq: 12 Dec 2017 17:43

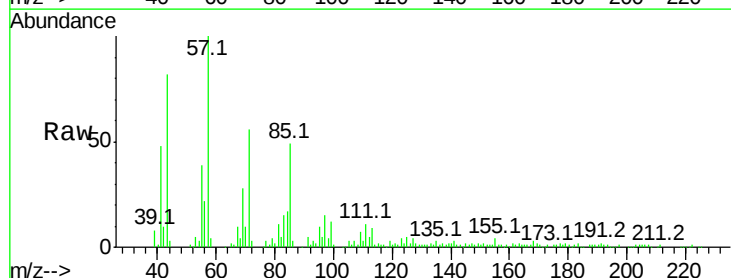
Tgt Ion:184 Resp: 528

Ion Ratio Lower Upper

184 100

63 80.1 54.2 81.2

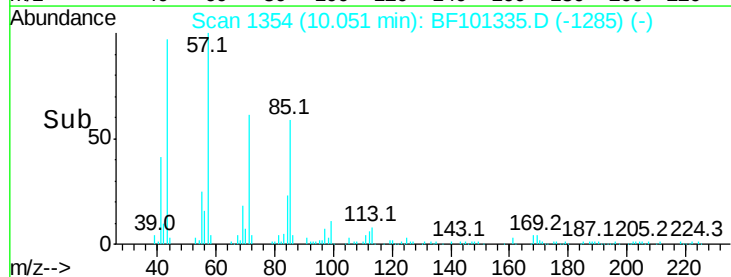
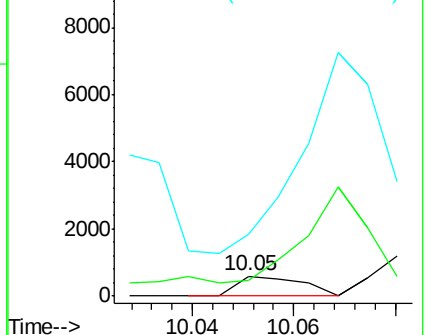
154 315.7 184.0 276.0#

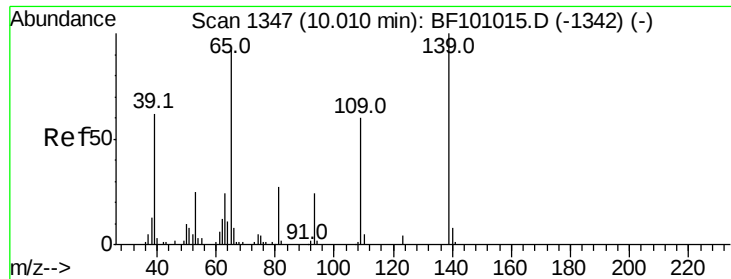


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

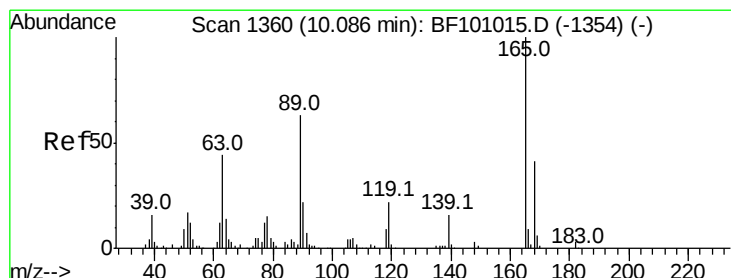
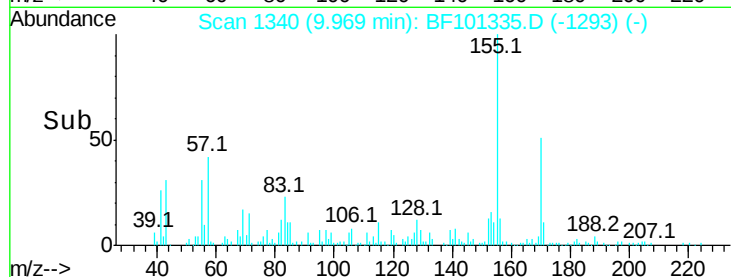
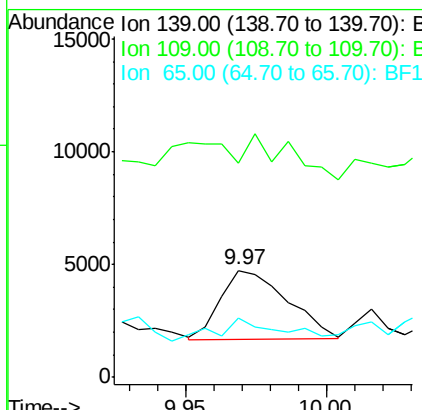
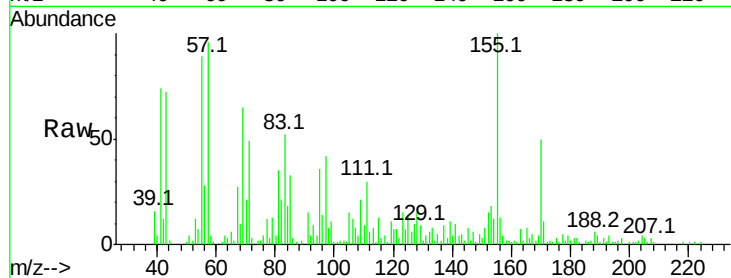




#55
4-Nitrophenol
Concen: 5.374 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

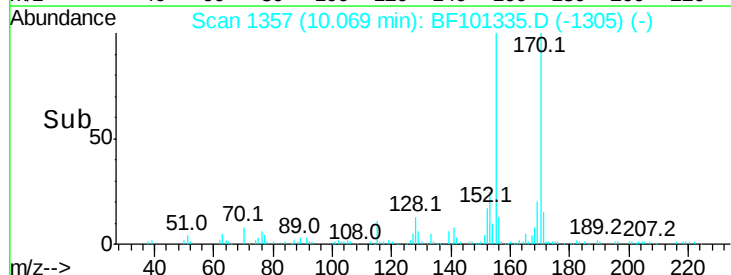
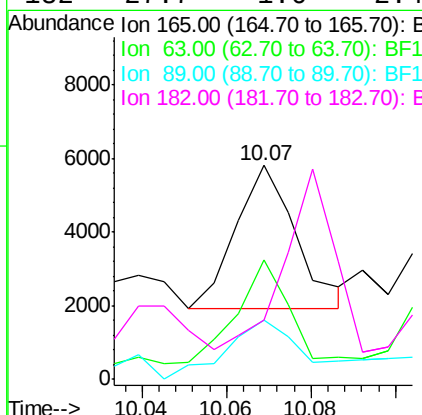
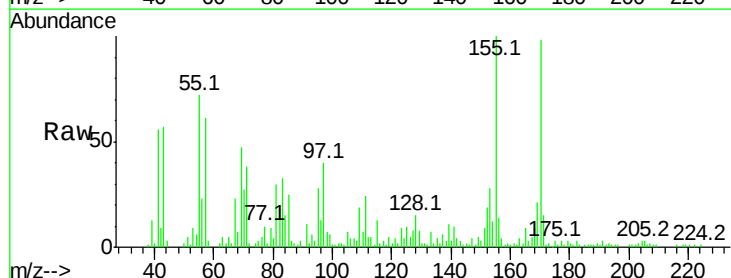
Instrument :
BNA_F
ClientSampled :

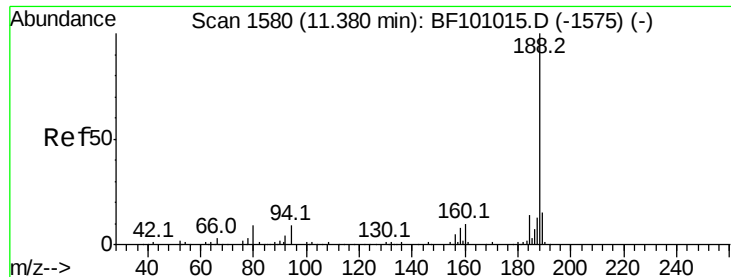
Tot Ion:139 Resp: 5039
Ion Ratio Lower Upper
139 100
109 200.6 48.4 88.4#
65 55.1 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 2.331 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.01 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

Tgt Ion:165 Resp: 3862
Ion Ratio Lower Upper
165 100
63 55.8 36.4 54.6#
89 27.8 57.8 86.6#
182 27.7 1.6 2.4#

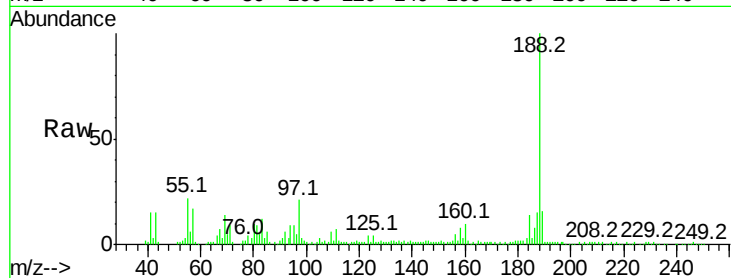




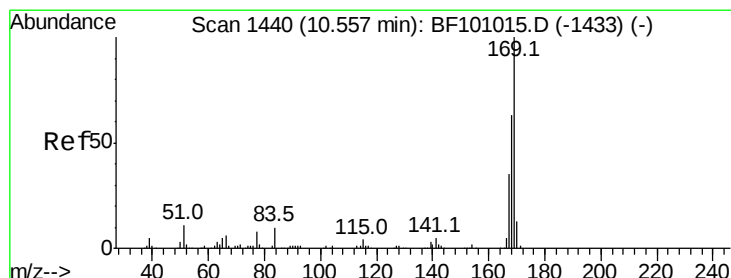
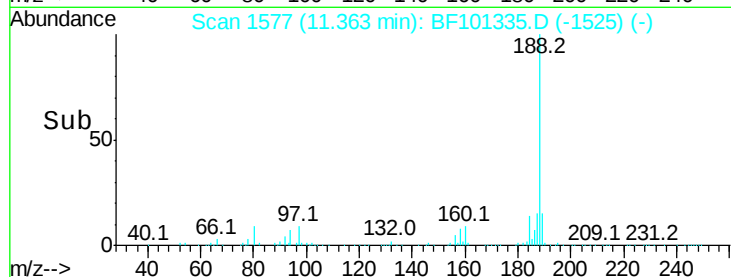
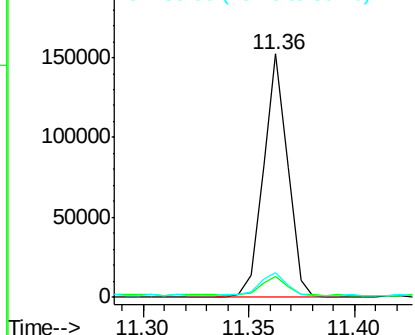
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 120762
Ion Ratio Lower Upper
188 100
94 8.5 8.5 12.7
80 10.1 9.2 13.8

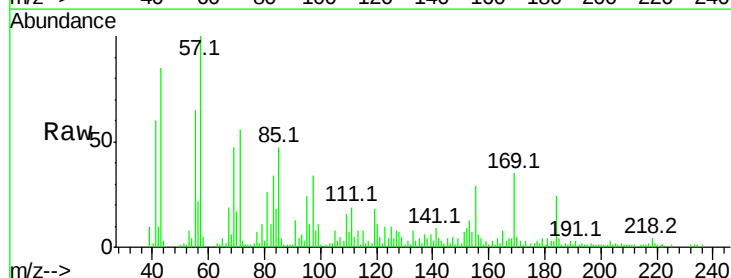


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

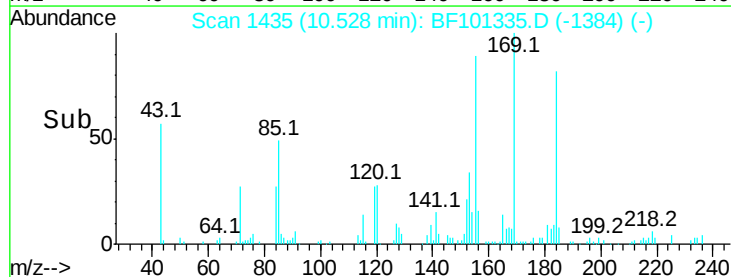
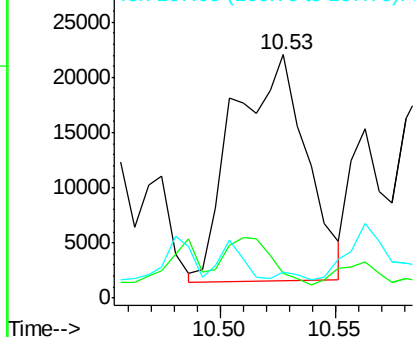


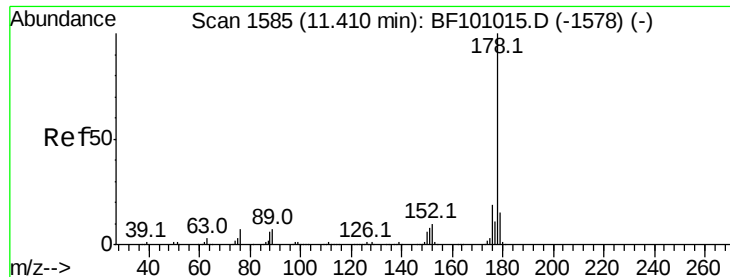
#65
n-Nitrosodiphenylamine
Concen: 10.432 ng
RT: 10.53 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

Tgt Ion:169 Resp: 44446
Ion Ratio Lower Upper
169 100
168 10.2 54.4 81.6#
167 10.5 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

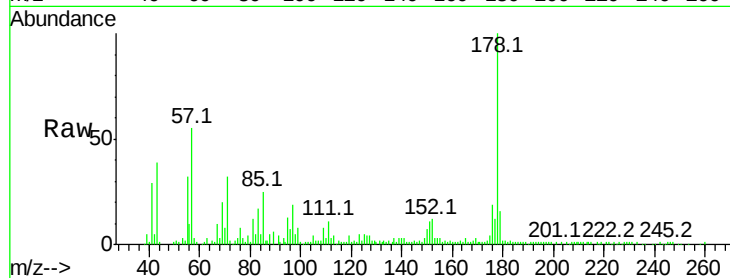




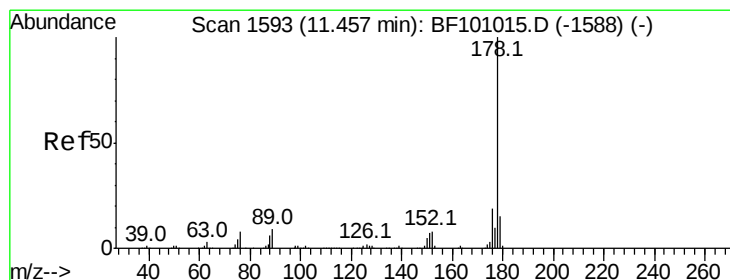
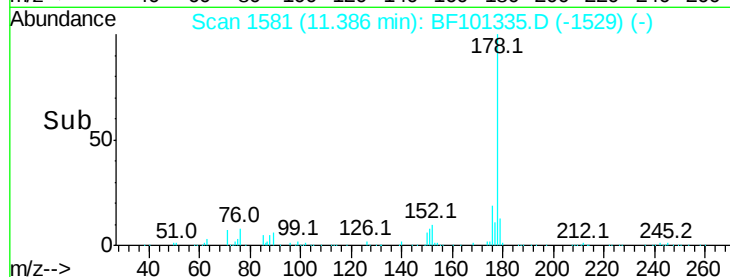
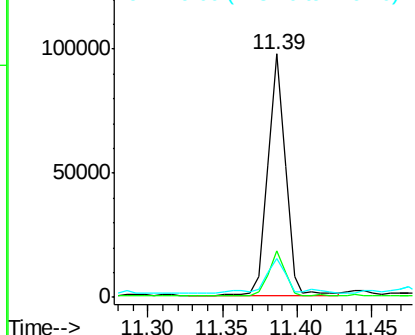
#70
Phenanthrene
Concen: 11.918 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 79258
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.9 13.0 19.6

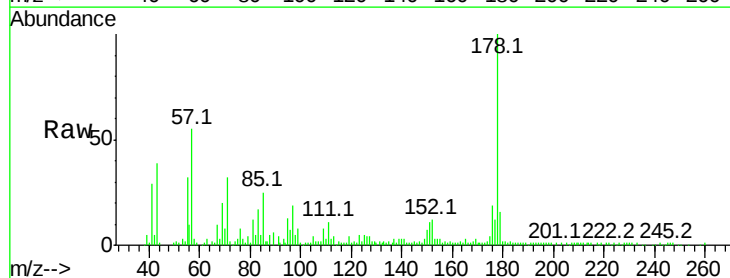


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

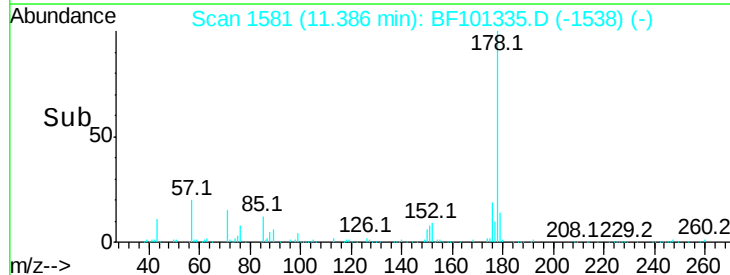
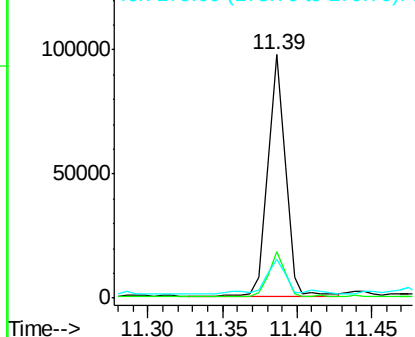


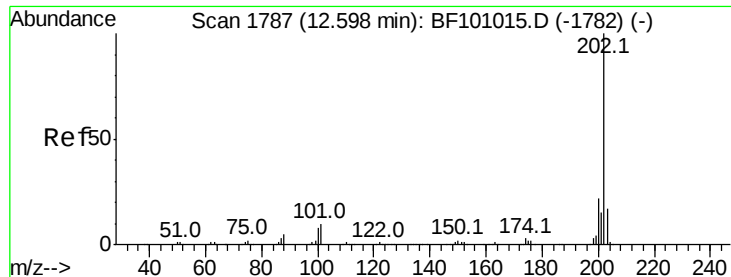
#71
Anthracene
Concen: 11.776 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.05 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

Tgt Ion:178 Resp: 79258
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.9 12.6 19.0



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: 3.330 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101335.D

Acq: 12 Dec 2017 17:43

Instrument :

BNA_F

ClientSampleId :

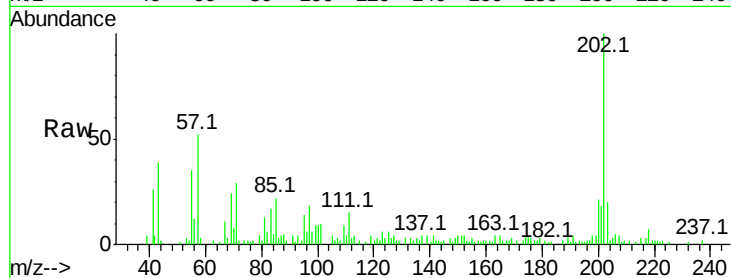
Tot Ion:202 Resp: 24546

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

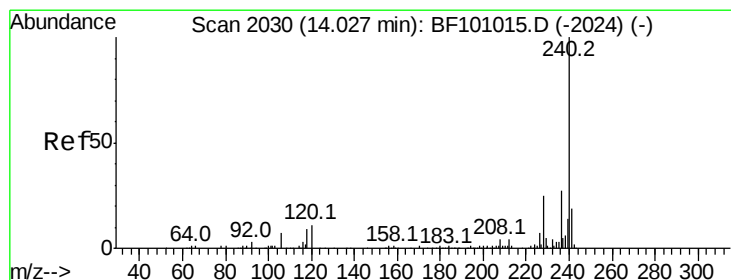
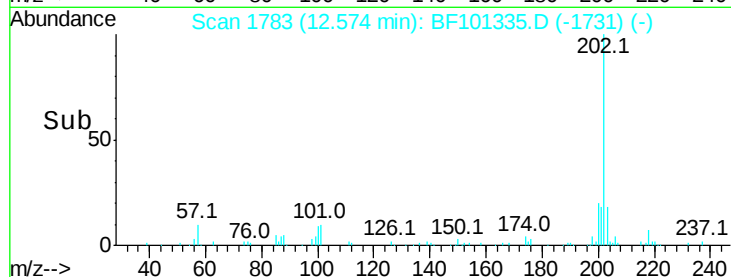
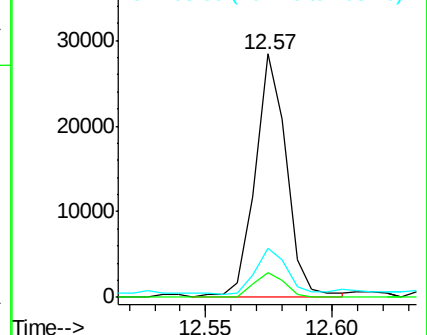
203 20.0 0.0 38.1



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: BF101335.D

Acq: 12 Dec 2017 17:43

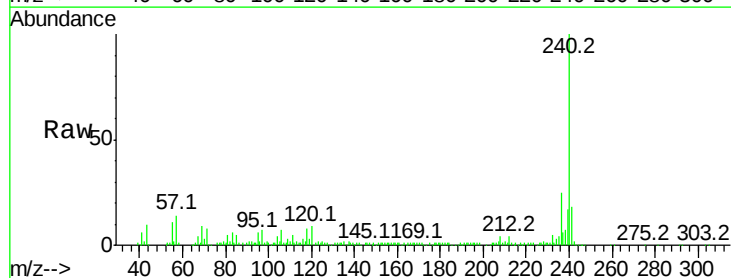
Tgt Ion:240 Resp: 102439

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

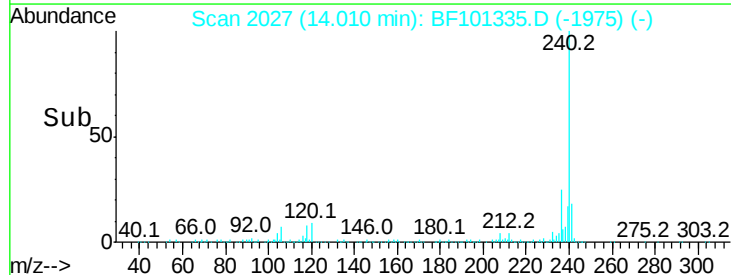
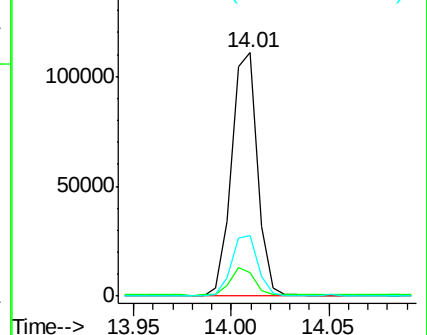
236 25.0 20.7 31.1

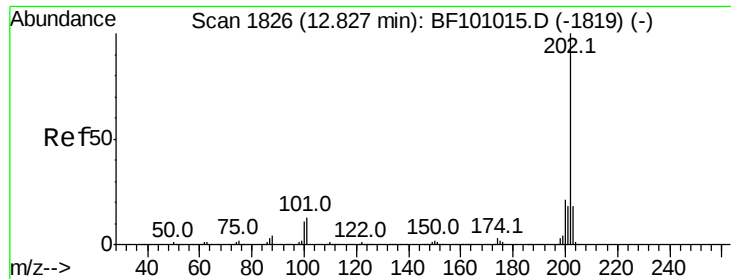


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

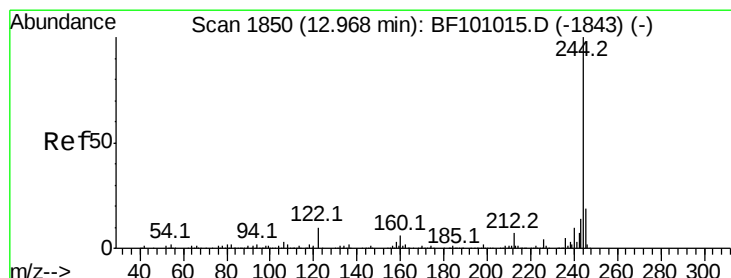
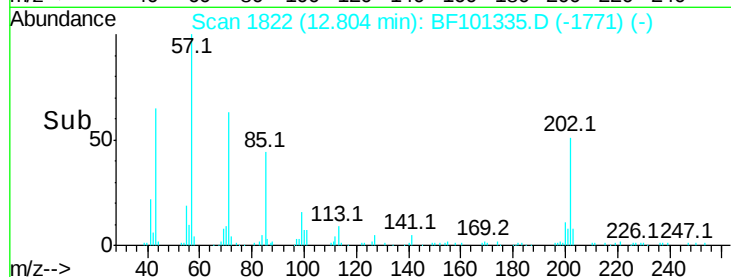
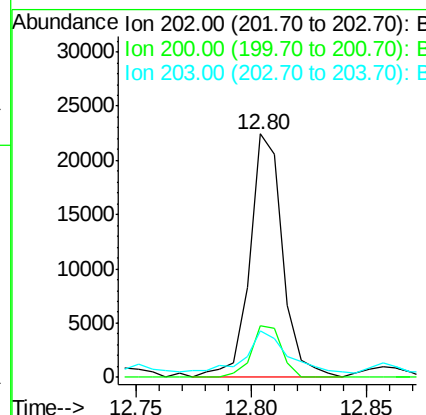
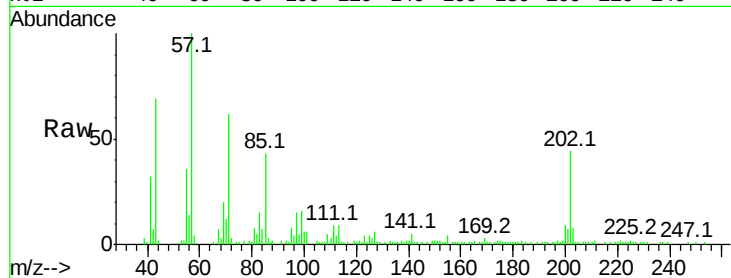




#77
Pvrene
Concen: 3.165 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

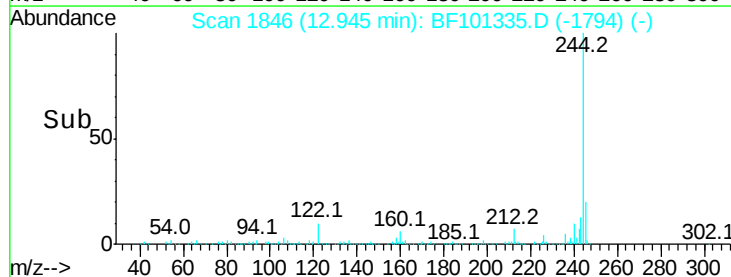
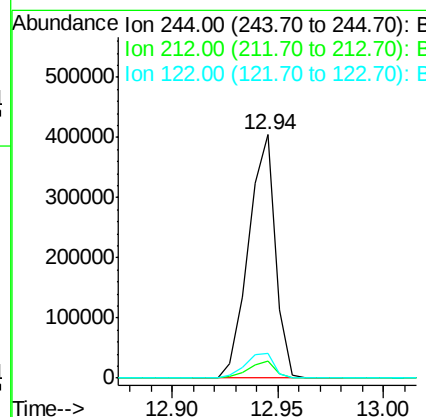
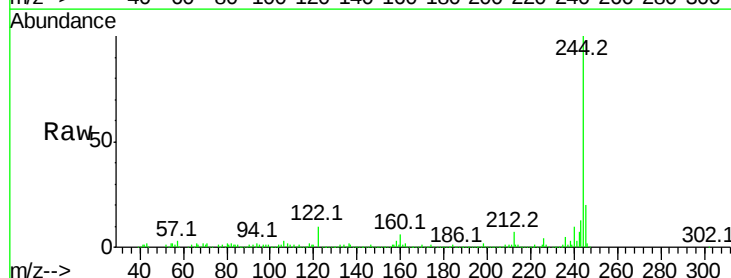
Instrument :
BNA_F
ClientSampleId :

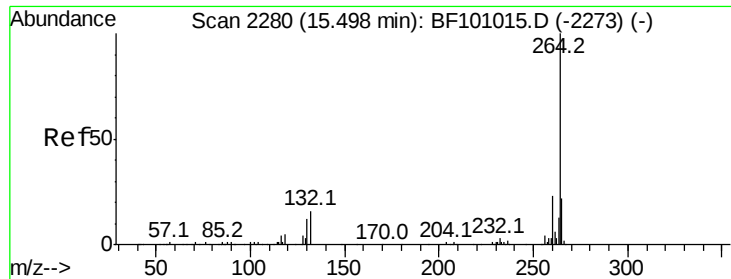
Tot Ion:202 Resp: 22375
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 19.0 14.3 21.5



#78
Terphenyl-d14
Concen: 75.932 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

Tgt Ion:244 Resp: 355624
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 10.2 11.0 16.4#



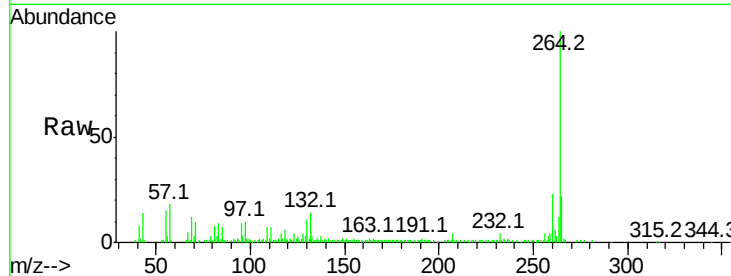


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

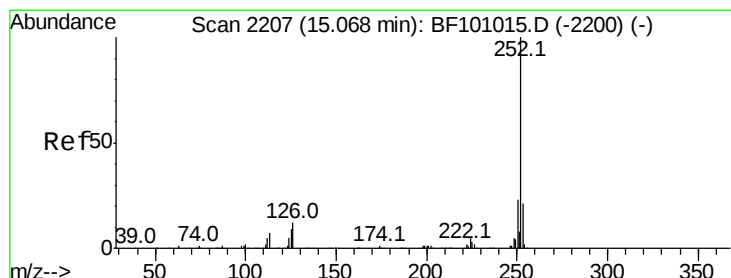
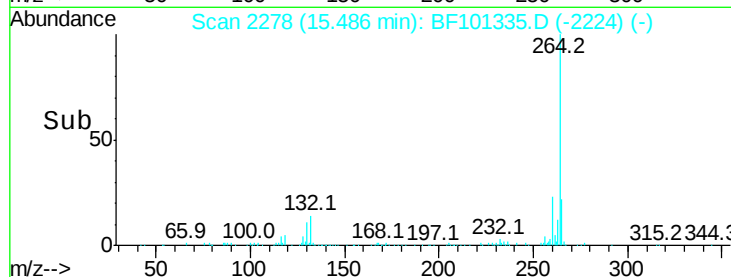
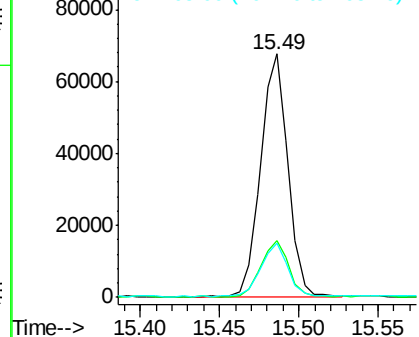
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 81615

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.1	17.5	26.3



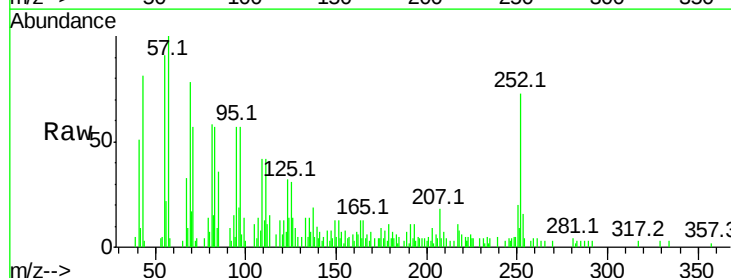
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



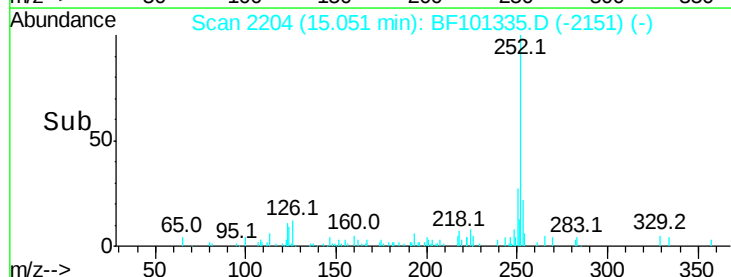
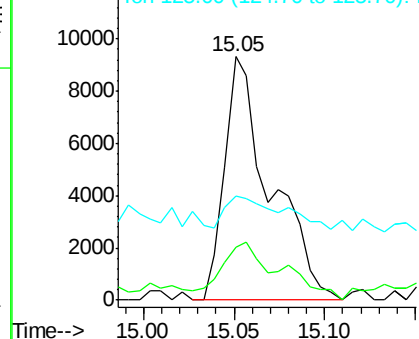
#87
Benzo(b)fluoranthene
Concen: 3.365 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101335.D
Acq: 12 Dec 2017 17:43

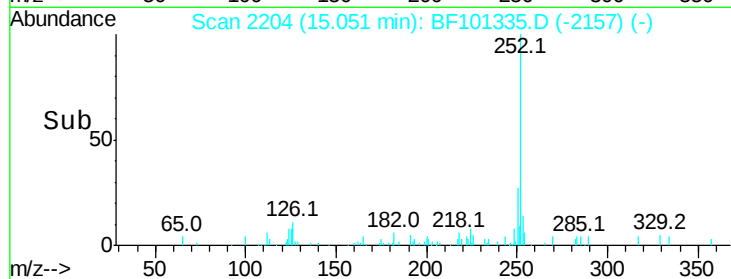
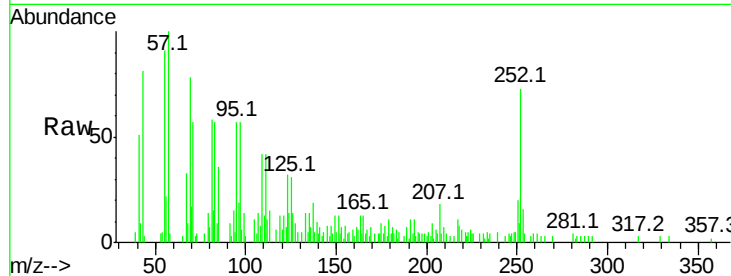
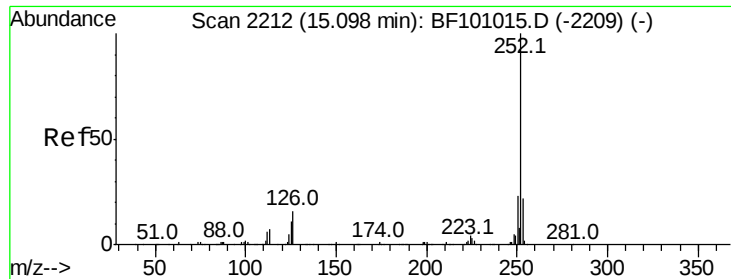
Tgt Ion:252 Resp: 16449

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	43.0	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: 3.415 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BF101335.D

Acq: 12 Dec 2017 17:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 16449

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

125 43.0 10.2 15.2#

