

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101025.D
 Acq On : 30 Nov 2017 18:50
 Operator : SJ/JU
 Sample : I6610-11 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 01 00:34:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 30 16:01:41 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	55430	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	219413	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	99616	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	167094	20.00	ng	0.00
75) Chrysene-d12	14.03	240	110674	20.00	ng	0.00
86) Perylene-d12	15.50	264	131556	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	147763	44.05	ng	0.00
7) Phenol-d6	6.47	99	184675	45.35	ng	-0.01
23) Nitrobenzene-d5	7.41	82	111128	30.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	45006	37.61	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	252149	34.63	ng	0.00
78) Terphenyl-d14	12.96	244	172535	34.10	ng	0.00

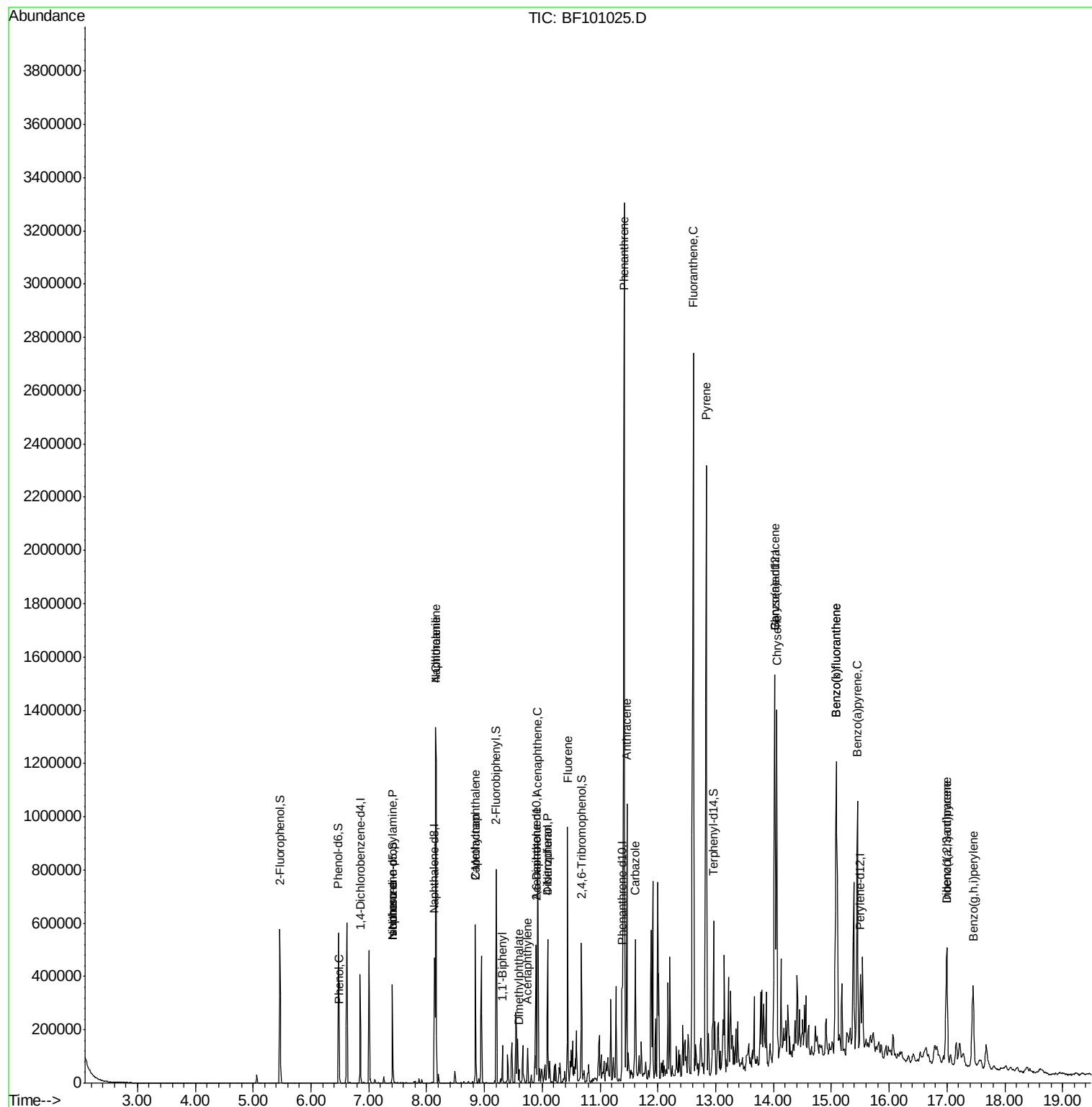
Target Compounds				Qvalue		
10) Phenol	6.49	94	12230	2.701	ng	98
19) n-Nitroso-di-n-propylamine	7.41	70	14644	5.339	ng	# 84
25) Isophorone	7.41	82	111126	17.688	ng	# 64
31) Naphthalene	8.16	128	619123	57.253	ng	100
33) 4-Chloroaniline	8.16	127	81707	18.805	ng	# 33
35) Caprolactam	8.85	113	3284	3.382	ng	# 1
37) 2-Methylnaphthalene	8.85	142	158158	21.525	ng	99
45) 1,1'-Biphenyl	9.31	154	43179	4.731	ng	94
48) Acenaphthylene	9.75	152	32020	3.006	ng	# 95
49) Dimethylphthalate	9.60	163	17714	2.205	ng	98
50) 2,6-Dinitrotoluene	9.89	165	18021	10.650	ng	# 25
51) Acenaphthene	9.92	154	193321	30.309	ng	98
54) Dibenzofuran	10.10	168	199794	21.736	ng	96
55) 4-Nitrophenol	10.09	139	73132	56.987	ng	# 10
57) Fluorene	10.44	166	241502	32.321	ng	99
70) Phenanthrene	11.42	178	1682475	182.842	ng	99
71) Anthracene	11.46	178	365991	39.299	ng	98
72) Carbazole	11.61	167	189011	22.213	ng	98
74) Fluoranthene	12.61	202	1413967	138.624	ng	97
77) Pyrene	12.84	202	1160261	151.929	ng	100
80) Benzo(a)anthracene	14.02	228	601576	86.090	ng	99
82) Chrysene	14.06	228	562704	86.707	ng	98
85) Indeno(1,2,3-cd)pyrene	17.00	276	306224	53.075	ng	# 88
87) Benzo(b)fluoranthene	15.08	252	981573	124.567	ng	97
88) Benzo(k)fluoranthene	15.08	252	981573	126.436	ng	98
89) Benzo(a)pyrene	15.46	252	523889	73.130	ng	96
90) Dibenzo(a,h)anthracene	17.00	278	74343	11.771	ng	96
91) Benzo(g,h,i)perylene	17.45	276	254206	42.710	ng	# 89

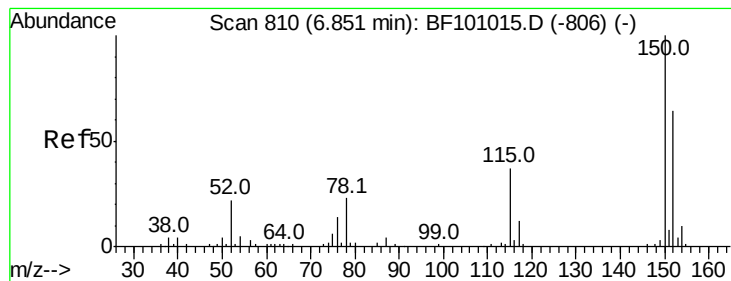
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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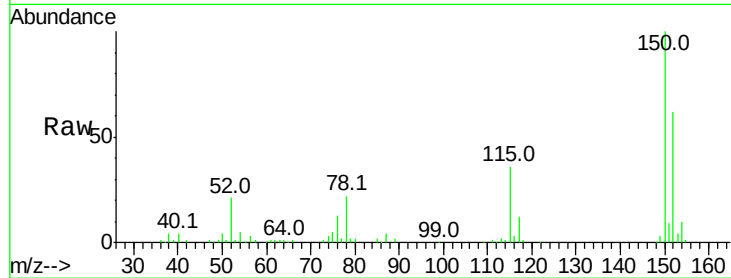


#1

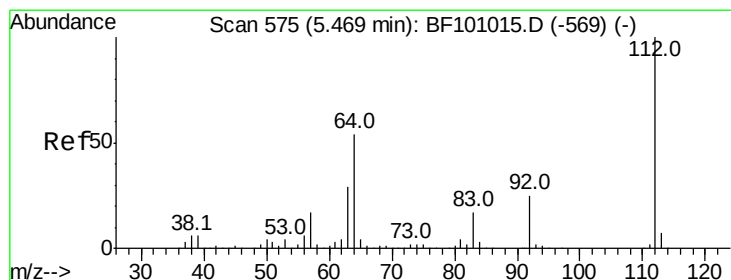
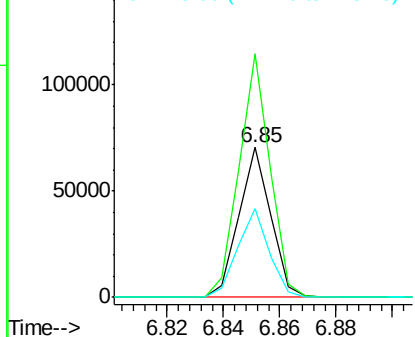
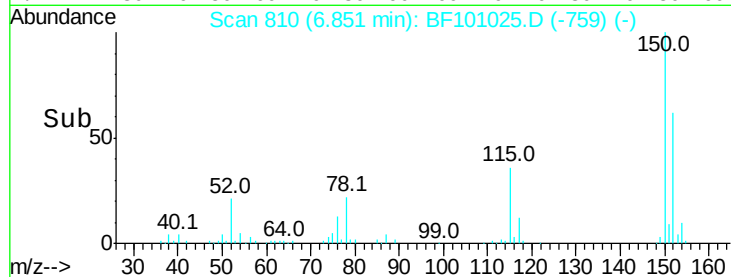
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 55430
Ion Ratio Lower Upper
152 100
150 162.3 124.6 186.8
115 58.9 50.1 75.1



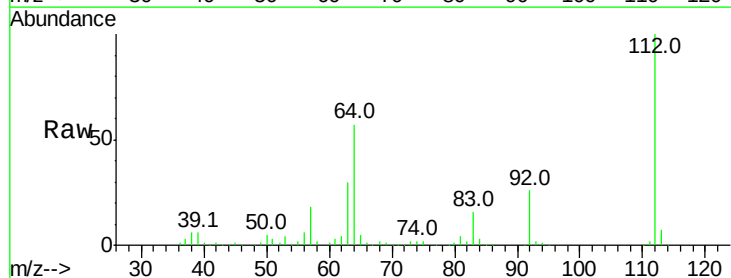
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



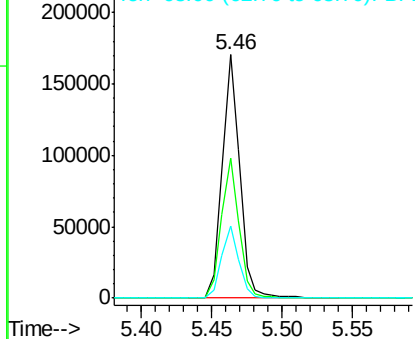
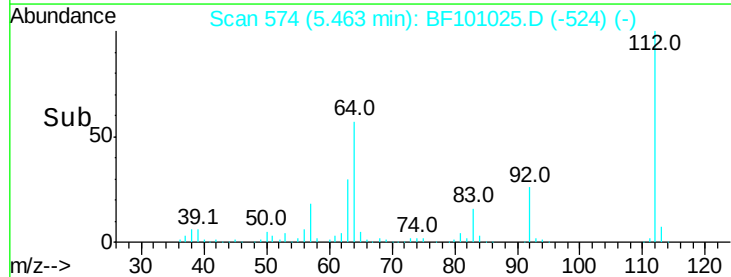
#5

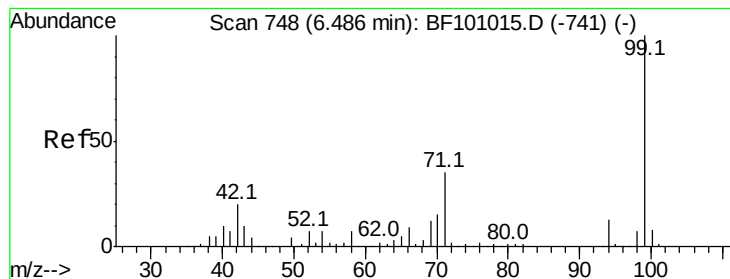
2-Fluorophenol
Concen: 44.050 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

Tgt Ion:112 Resp: 147763
Ion Ratio Lower Upper
112 100
64 57.4 47.9 71.9
63 29.6 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: 45.346 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

Instrument :

BNA_F

ClientSampled :

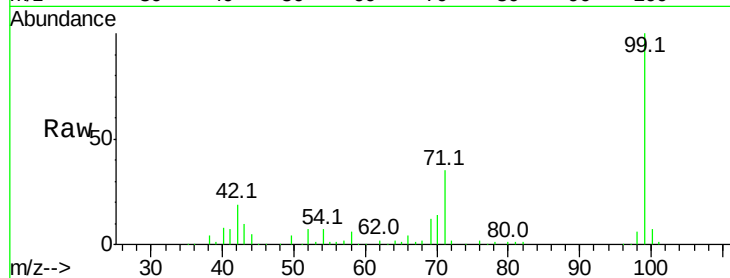
Tot Ion: 99 Resp: 184675

Ion Ratio Lower Upper

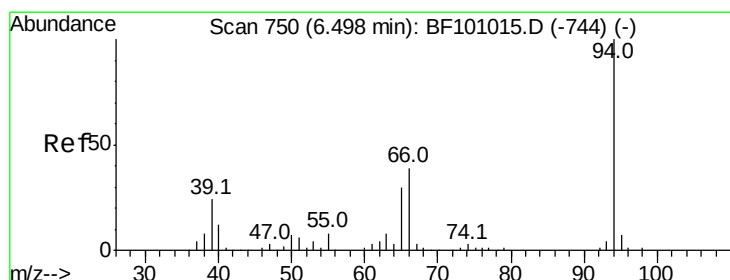
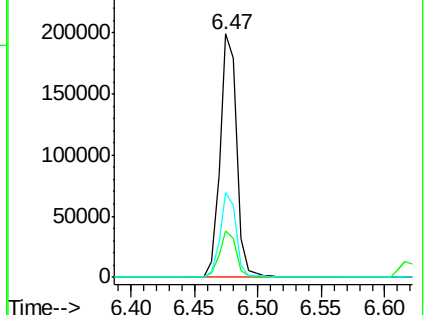
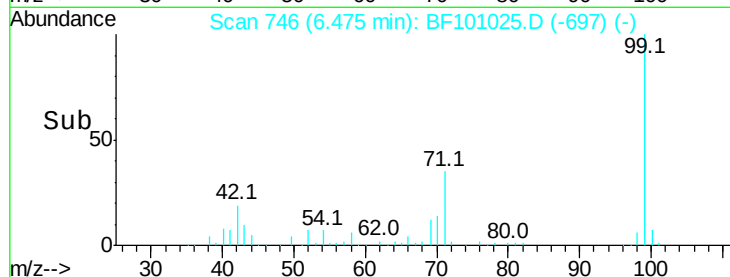
99 100

42 19.4 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: 2.701 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

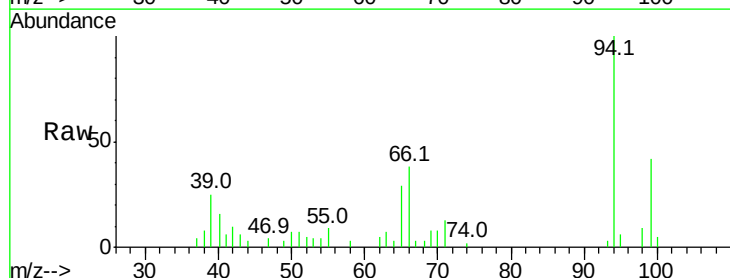
Tgt Ion: 94 Resp: 12230

Ion Ratio Lower Upper

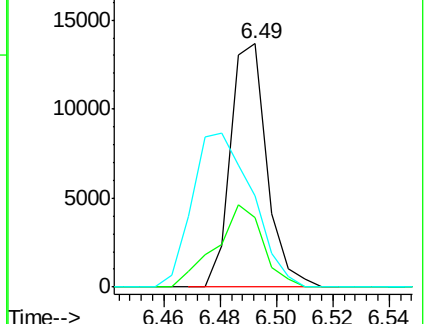
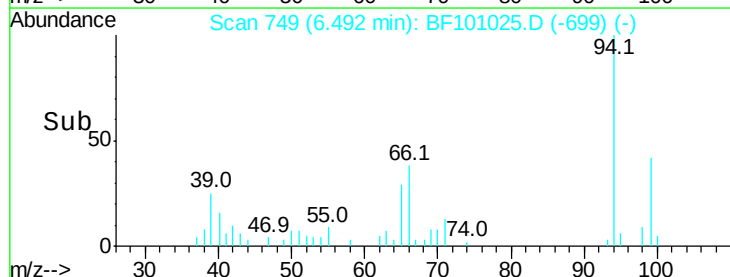
94 100

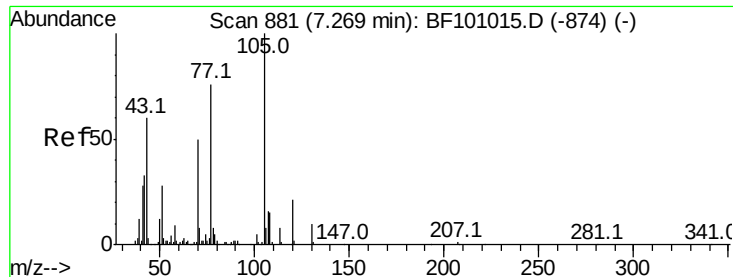
65 28.8 7.9 47.9

66 37.6 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

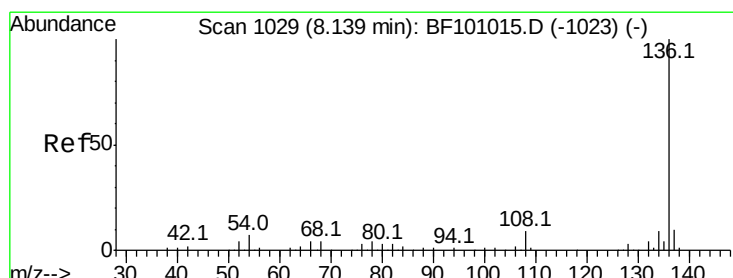
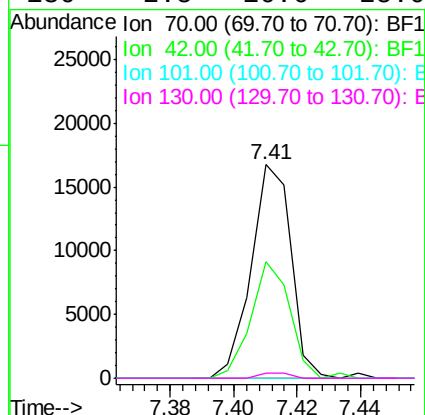
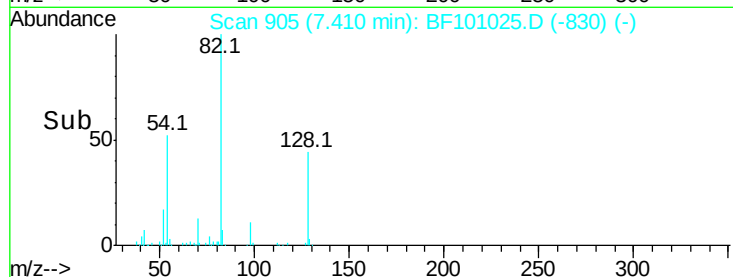
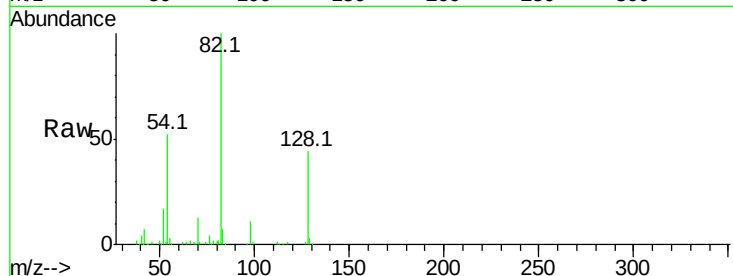




#19
n-Nitroso-di-n-propylamine
Concen: 5.339 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

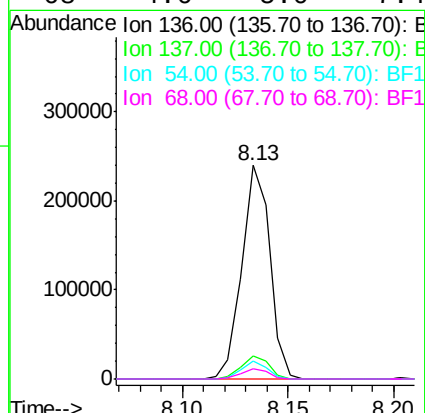
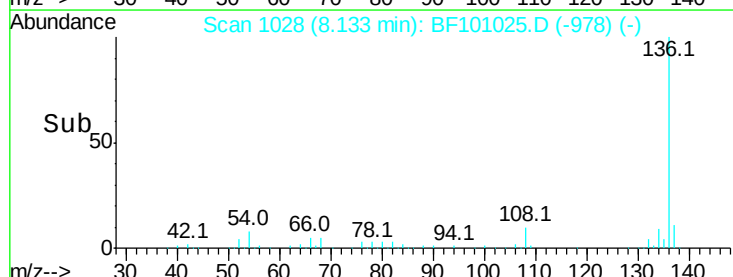
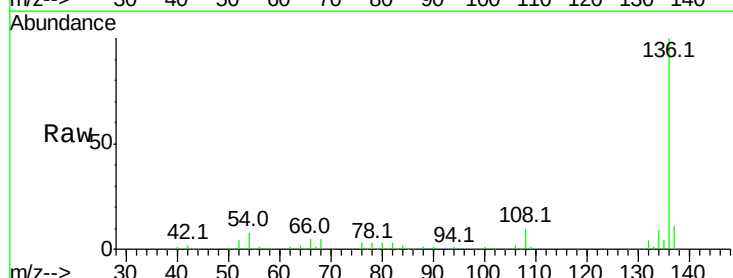
Instrument :
BNA_F
ClientSampleId :

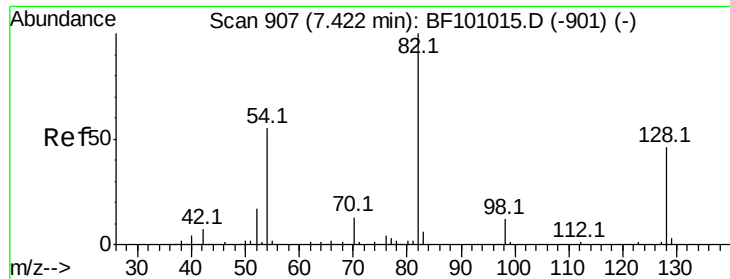
Tot Ion: 70 Resp: 14644
Ion Ratio Lower Upper
70 100
42 54.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

Tgt Ion:136 Resp: 219413
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.1 6.6 9.8
68 4.6 5.0 7.4#

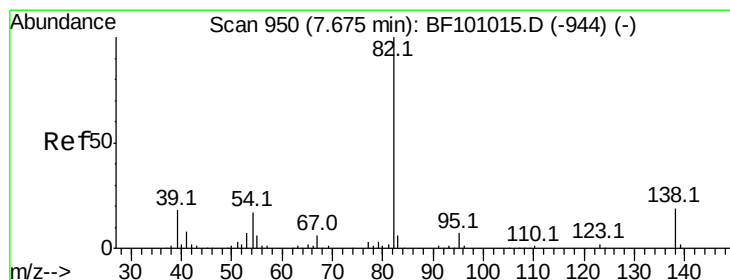
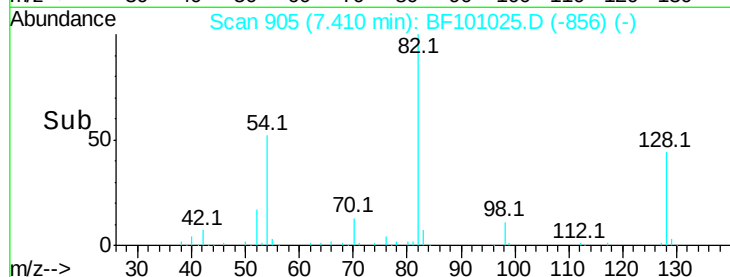
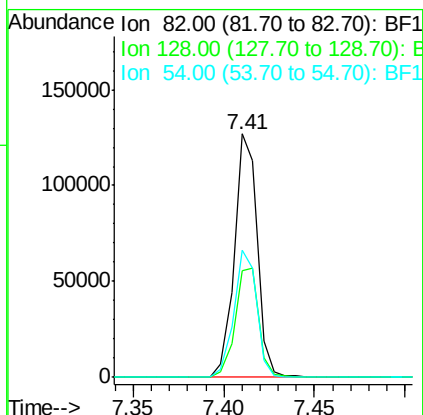
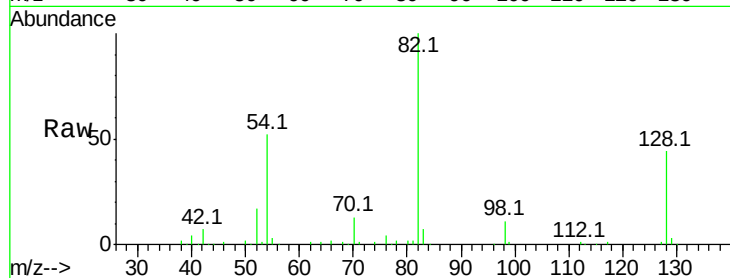




#23
Nitrobenzene-d5
Concen: 30.213 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

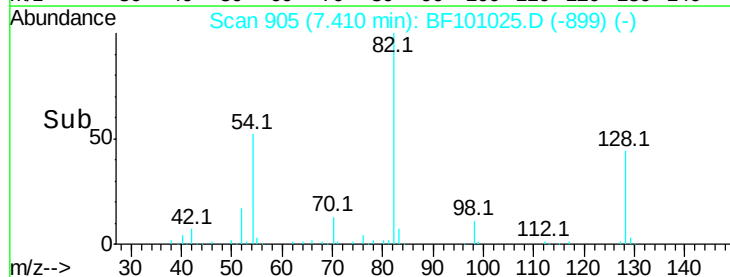
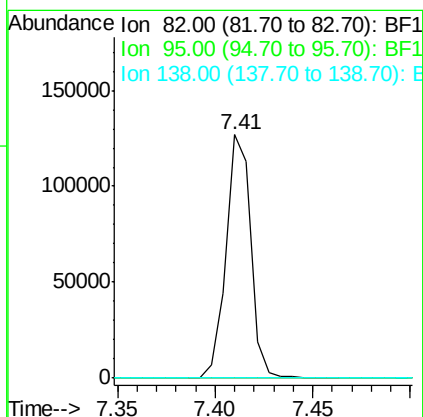
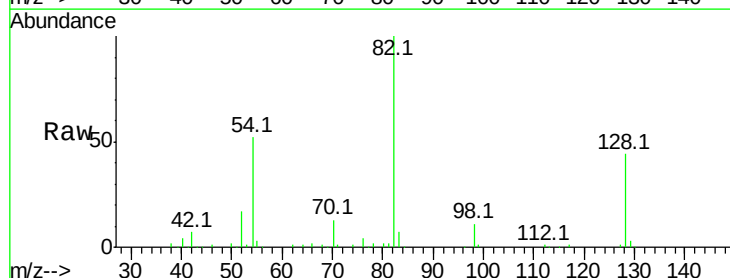
Instrument :
BNA_F
ClientSampleId :

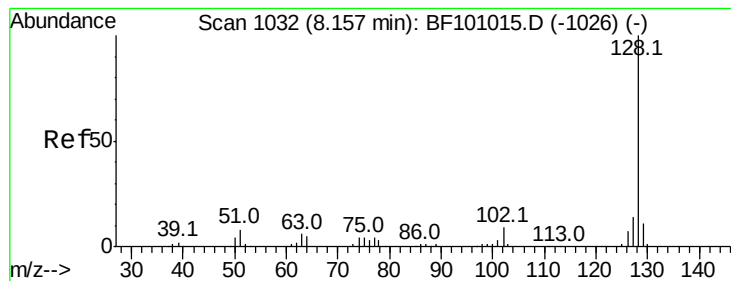
Tot Ion	82	Resp	111128
Ion Ratio	100		
Lower	36.1		
Upper	54.1		
54	52.0	41.4	62.2



#25
Isophorone
Concen: 17.688 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

Tgt Ion	82	Resp	111126
Ion Ratio	100		
Lower	5.2		
Upper	7.8#		
95	0.0	14.9	22.3#
138	0.0		





#31

Naphthalene

Concen: 57.253 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

Instrument :

BNA_F

ClientSampleId :

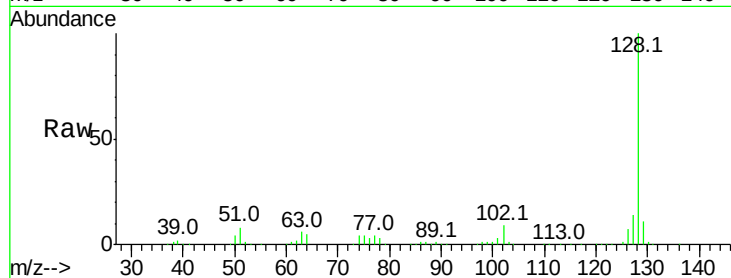
Tot Ion:128 Resp: 619123

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

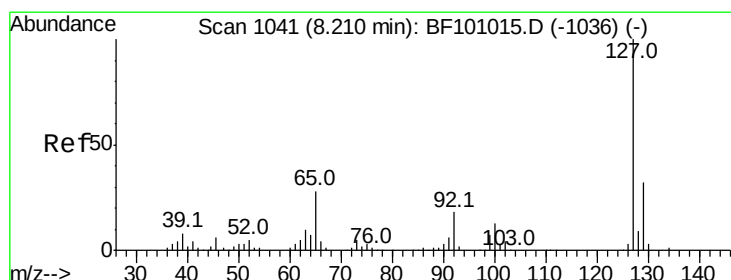
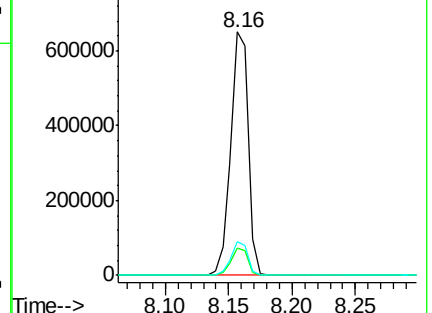
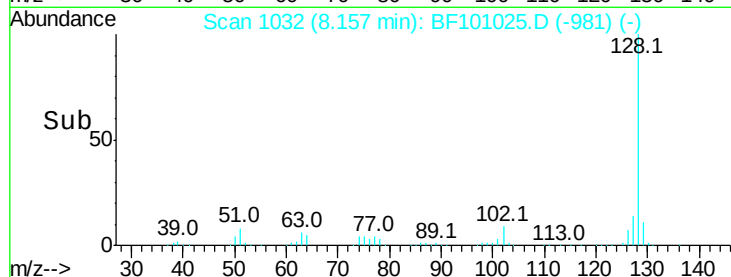
127 13.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 18.805 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

Tgt Ion:127 Resp: 81707

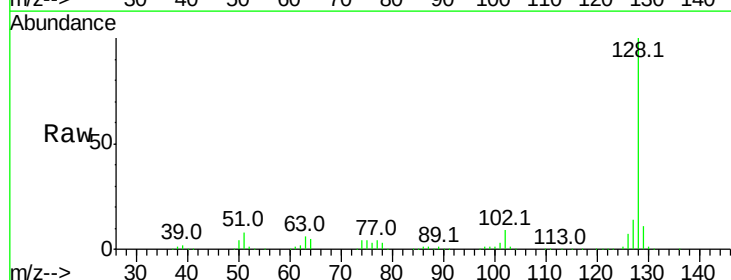
Ion Ratio Lower Upper

127 100

129 83.5 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

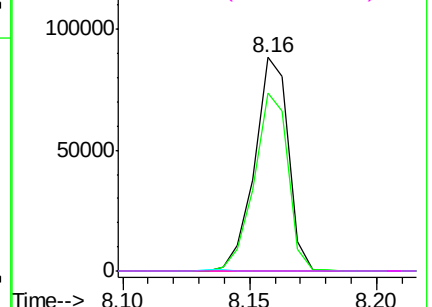
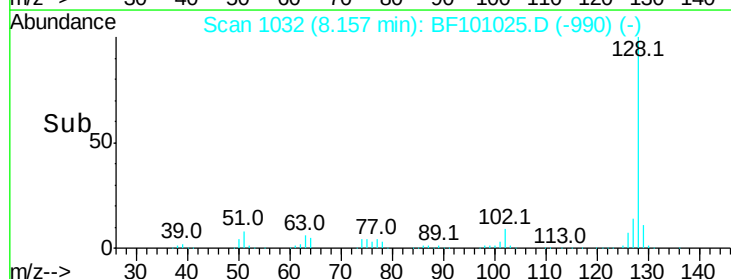


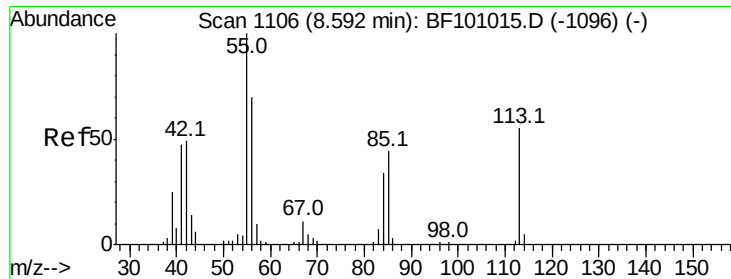
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

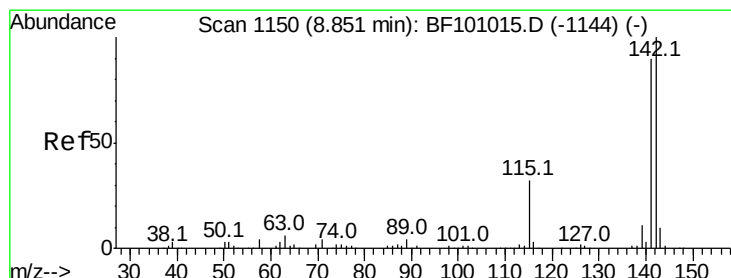
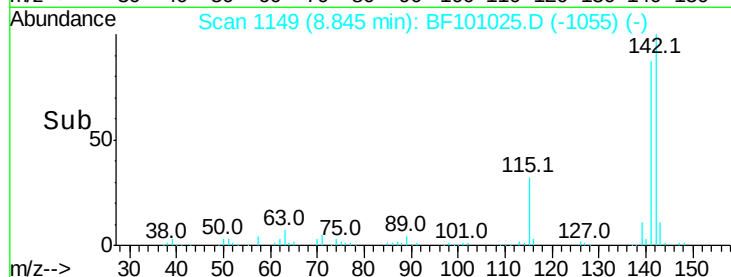
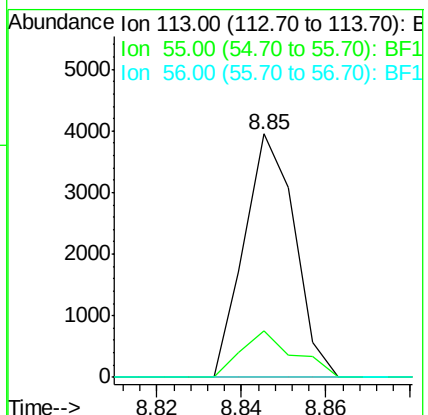
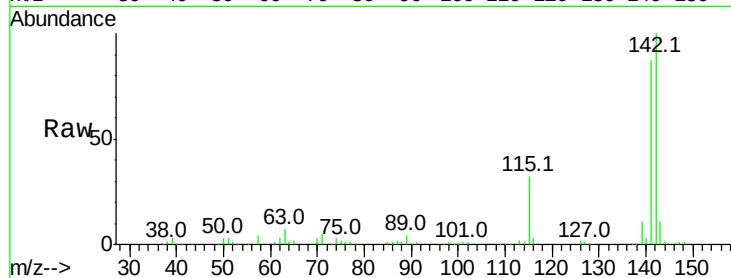




#35
 Caprolactam
 Concen: 3.382 ng
 RT: 8.85 min Scan# 1149
 Delta R.T. 0.25 min
 Lab File: BF101025.D
 Acq: 30 Nov 2017 18:50

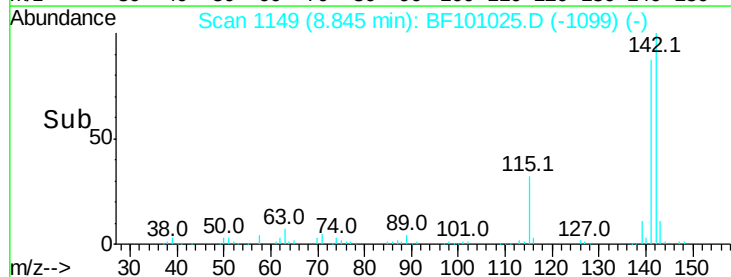
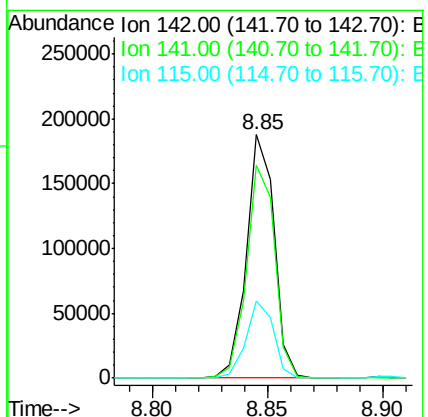
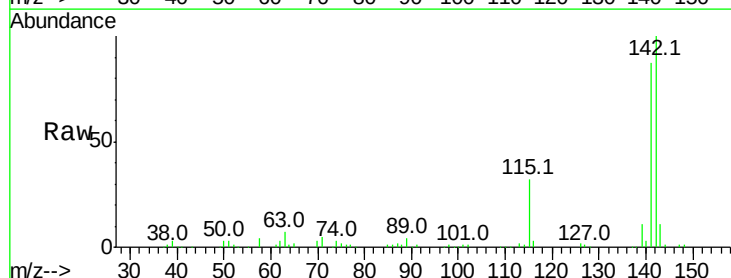
Instrument :
 BNA_F
 ClientSampled :

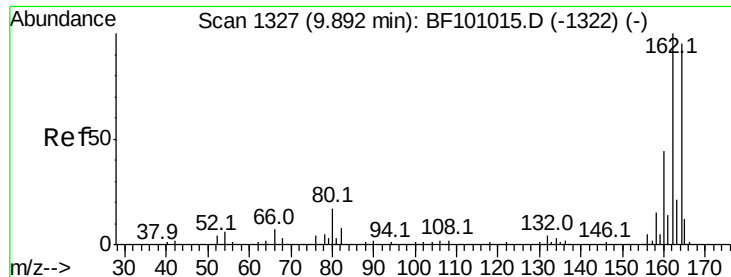
Tot Ion:113 Resp: 3284
 Ion Ratio Lower Upper
 113 100
 55 19.3 163.3 203.3#
 56 0.0 115.7 155.7#



#37
 2-Methylnaphthalene
 Concen: 21.525 ng
 RT: 8.85 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF101025.D
 Acq: 30 Nov 2017 18:50

Tgt Ion:142 Resp: 158158
 Ion Ratio Lower Upper
 142 100
 141 87.2 70.8 106.2
 115 31.7 26.1 39.1

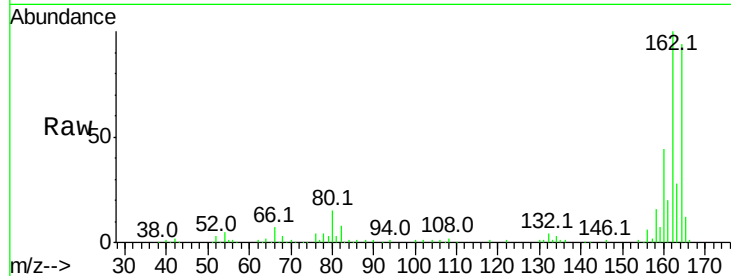




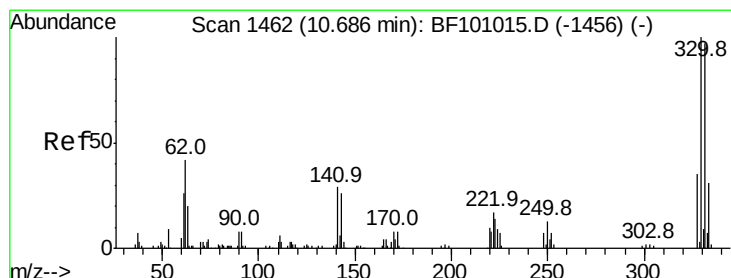
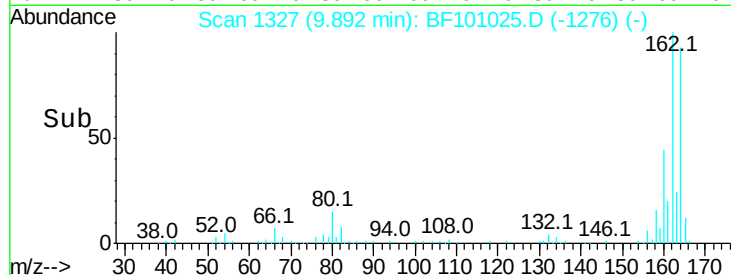
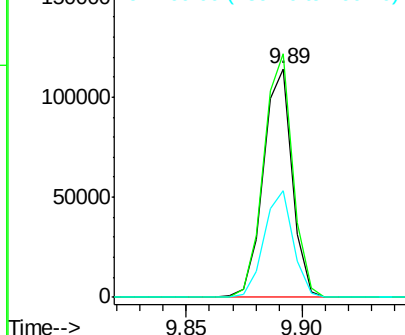
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 99616
Ion Ratio Lower Upper
164 100
162 106.6 86.1 129.1
160 46.9 38.3 57.5

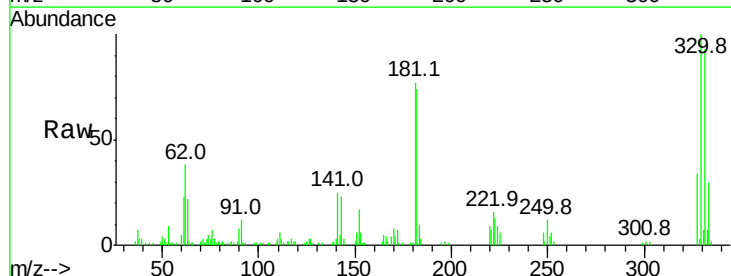


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

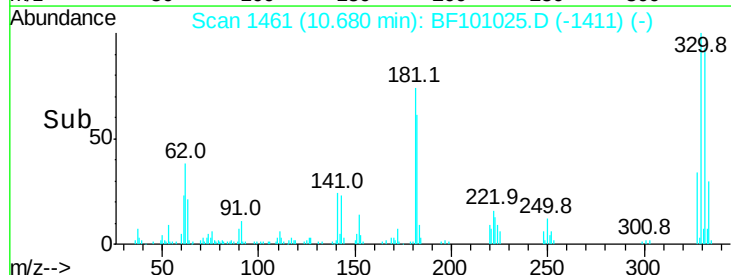
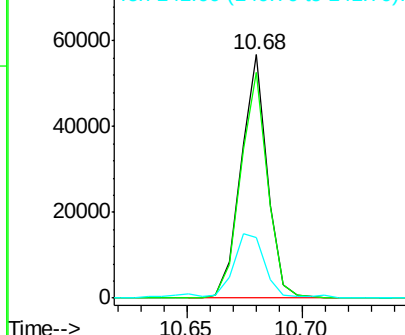


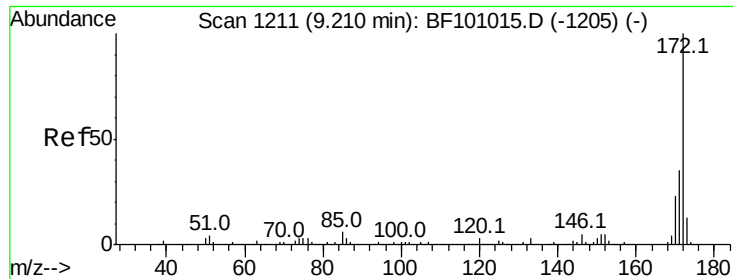
#41
2,4,6-Tribromophenol
Concen: 37.609 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

Tgt Ion:330 Resp: 45006
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.6
141 34.5 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

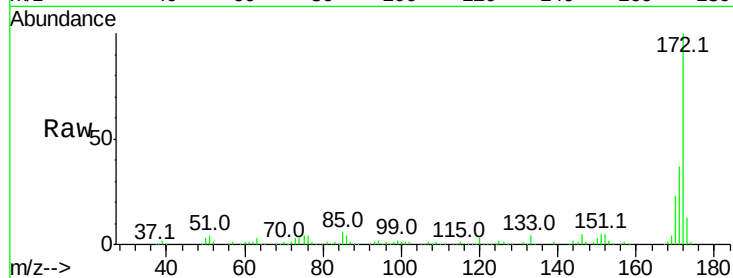




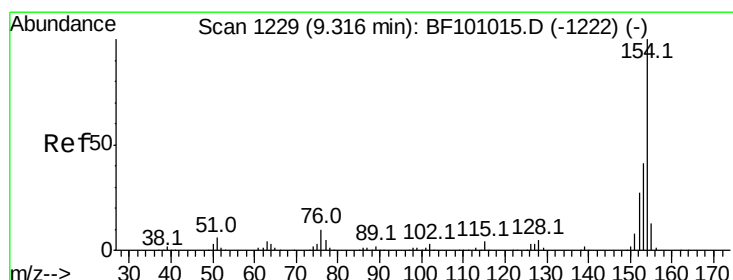
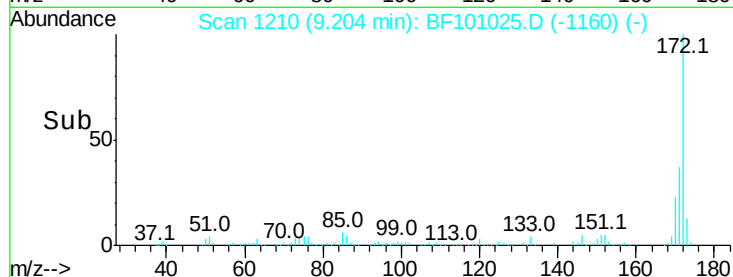
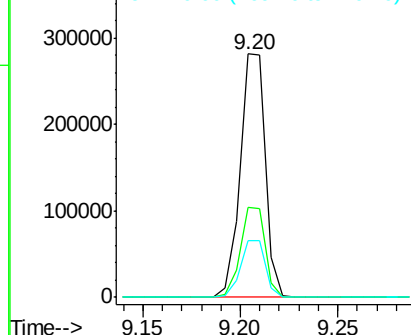
#44
2-Fluorobiphenyl
Concen: 34.632 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 252149
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 23.2 19.6 29.4

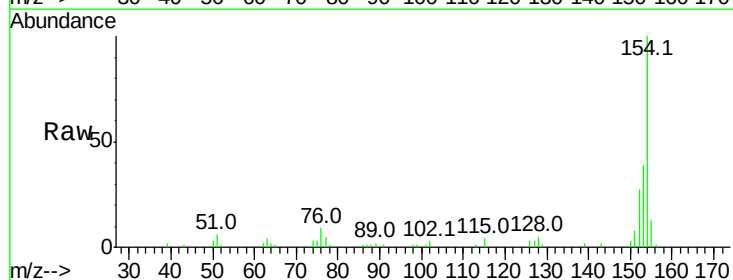


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

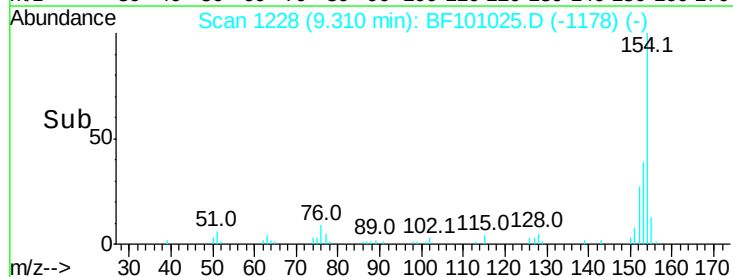
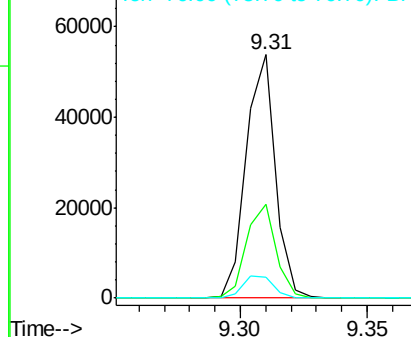


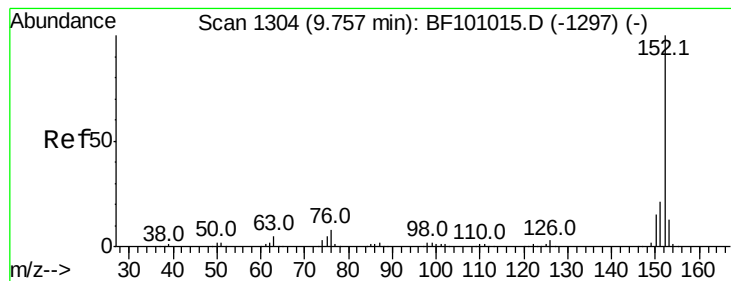
#45
1,1'-Biphenyl
Concen: 4.731 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

Tgt Ion:154 Resp: 43179
Ion Ratio Lower Upper
154 100
153 38.8 21.3 61.3
76 8.8 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#48

Acenaphthylene

Concen: 3.006 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

Instrument :

BNA_F

ClientSampleId :

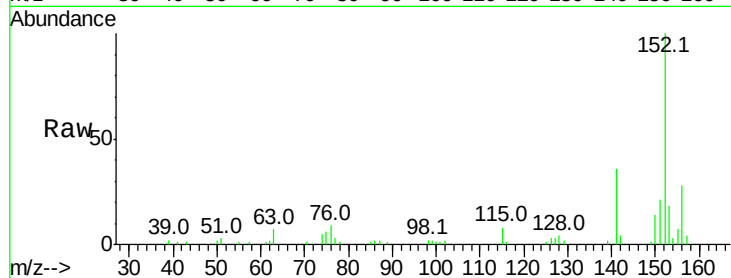
Tot Ion:152 Resp: 32020

Ion Ratio Lower Upper

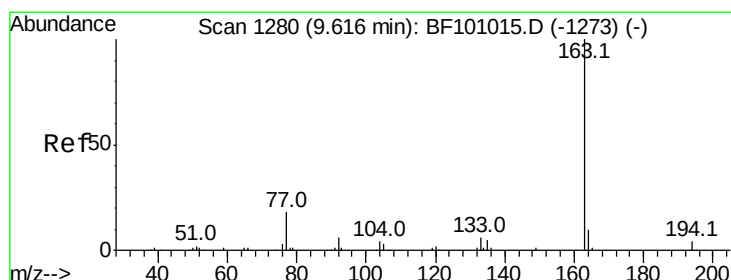
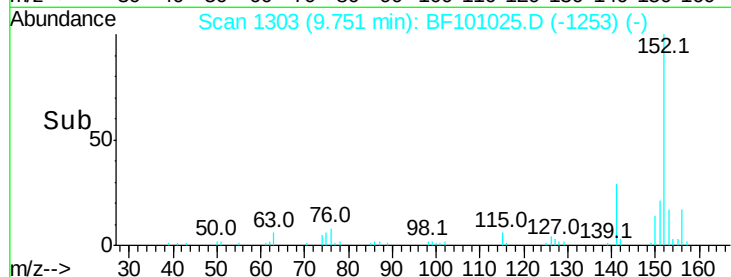
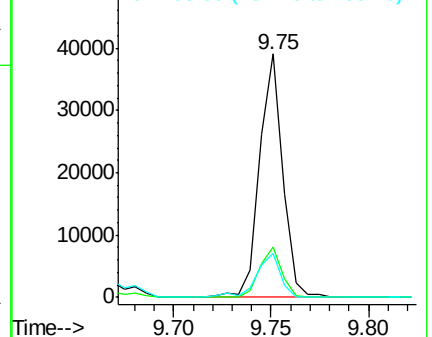
152 100

151 20.6 16.3 24.5

153 18.0 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.205 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

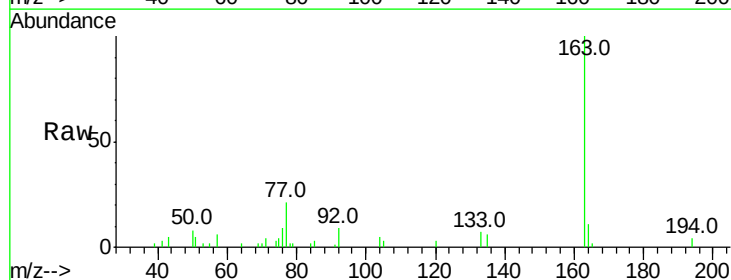
Tgt Ion:163 Resp: 17714

Ion Ratio Lower Upper

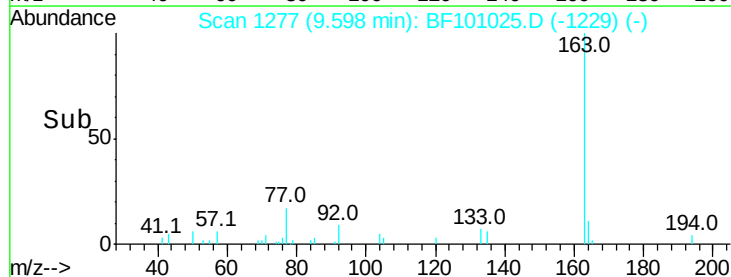
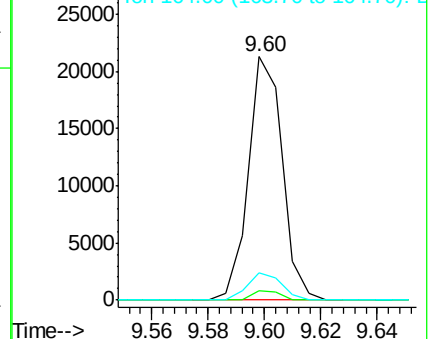
163 100

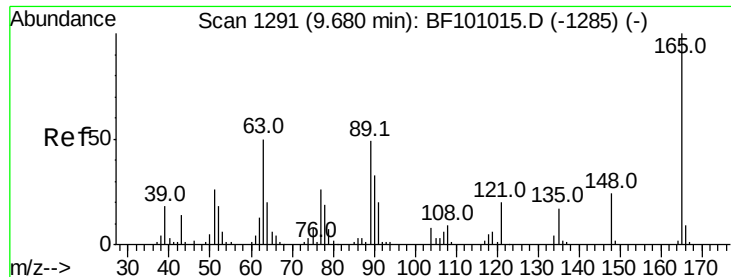
194 3.9 2.7 4.1

164 11.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

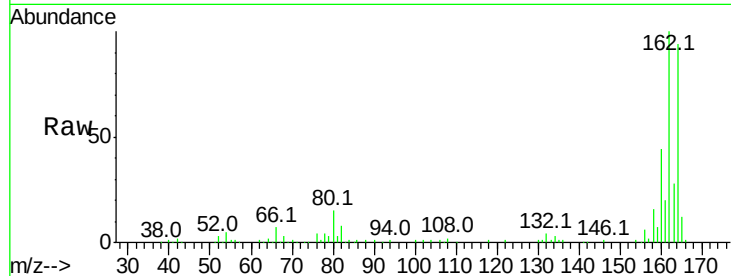




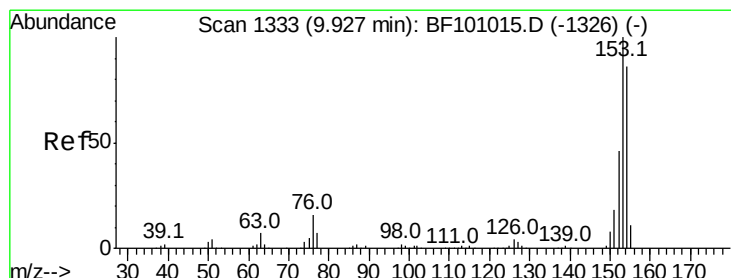
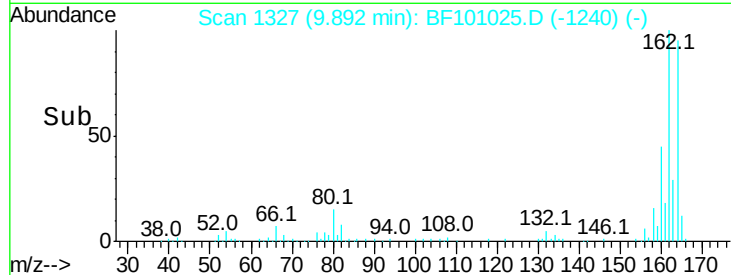
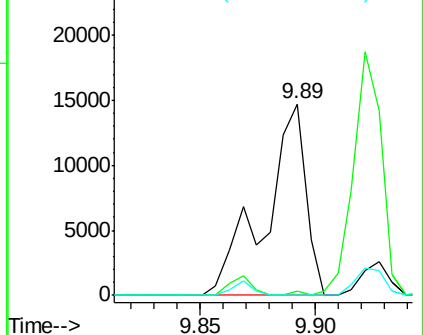
#50
 2,6-Dinitrotoluene
 Concen: 10.650 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF101025.D
 Acq: 30 Nov 2017 18:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 18021
 Ion Ratio Lower Upper
 165 100
 63 2.5 44.7 67.1#
 89 0.0 44.0 66.0#

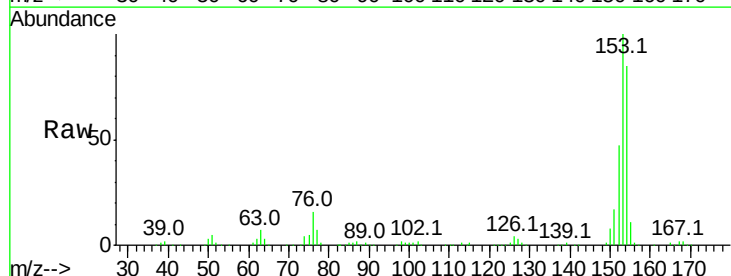


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

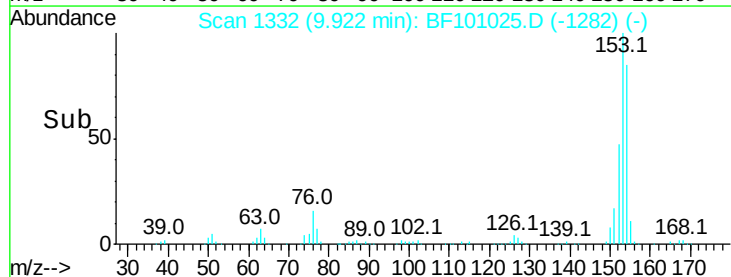
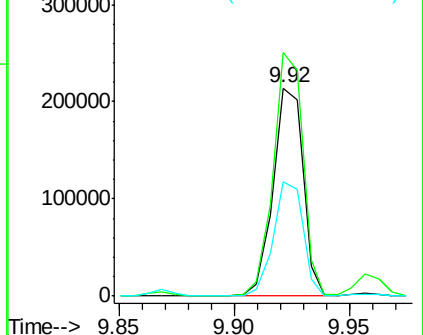


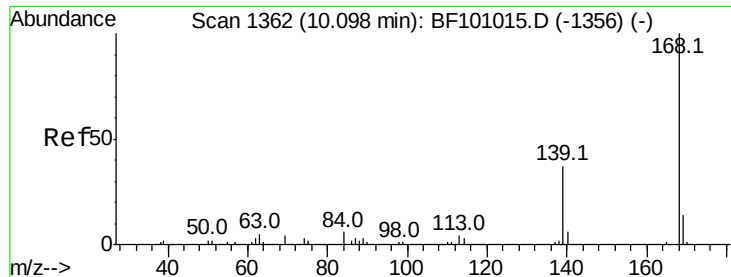
#51
 Acenaphthene
 Concen: 30.309 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF101025.D
 Acq: 30 Nov 2017 18:50

Tgt Ion:154 Resp: 193321
 Ion Ratio Lower Upper
 154 100
 153 117.1 91.2 136.8
 152 55.1 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 21.736 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

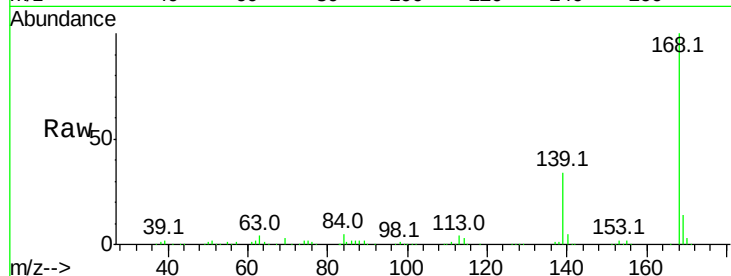
Instrument :

BNA_F

ClientSampled :

Tot Ion:168 Resp: 199794

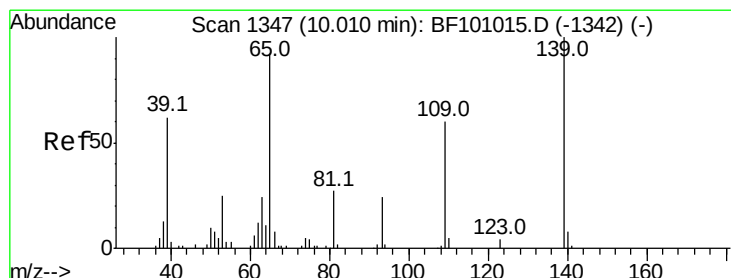
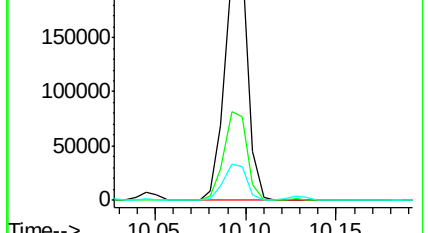
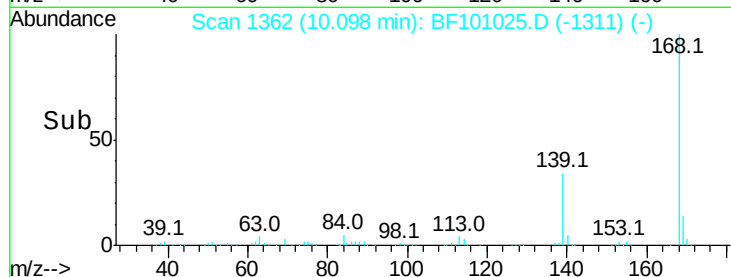
Ion	Ratio	Lower	Upper
168	100		
139	34.2	30.1	45.1
169	13.9	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 56.987 ng

RT: 10.09 min Scan# 1361

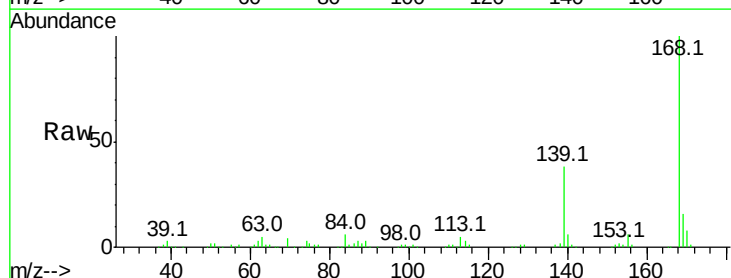
Delta R.T. 0.08 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

Tgt Ion:139 Resp: 73132

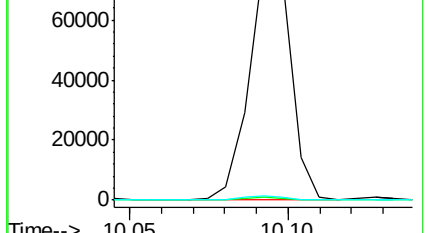
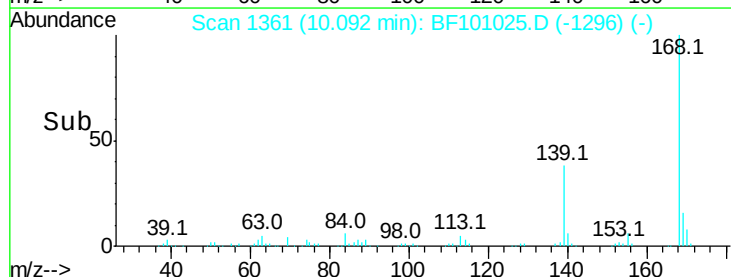
Ion	Ratio	Lower	Upper
139	100		
109	1.2	48.4	88.4#
65	1.7	72.6	112.6#

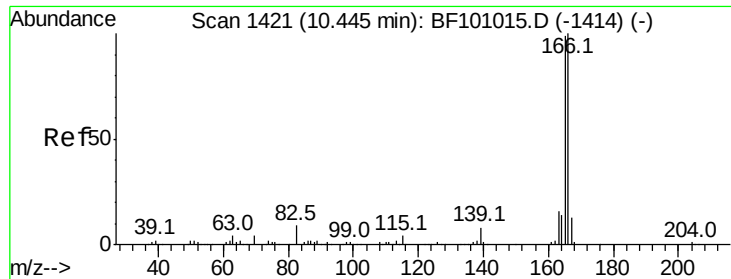


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

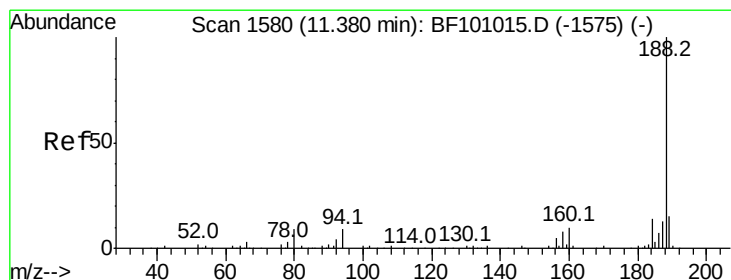
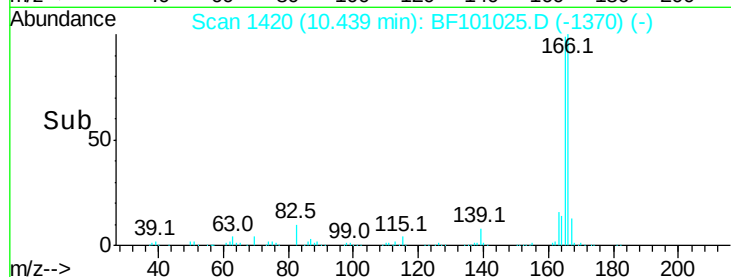
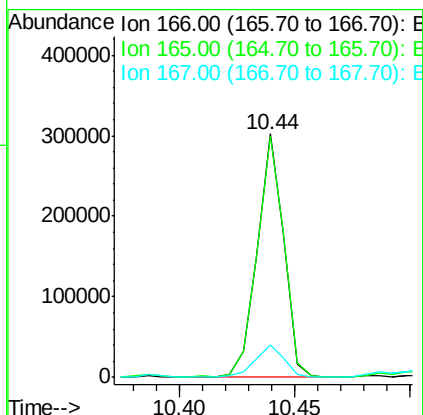
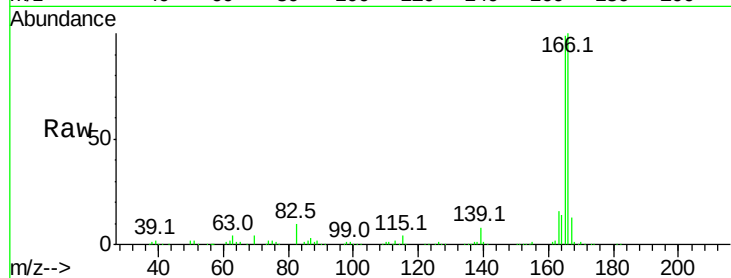




#57
 Fluorene
 Concen: 32.321 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF101025.D
 Acq: 30 Nov 2017 18:50

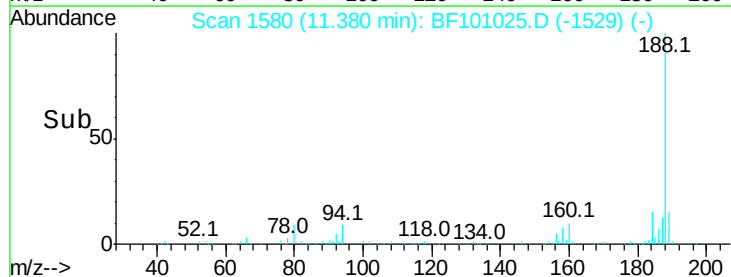
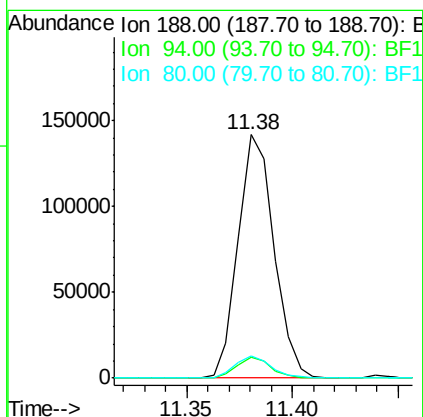
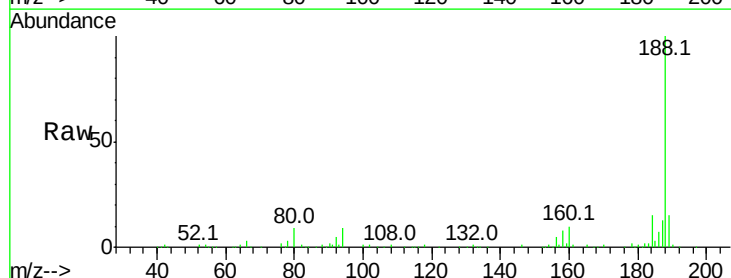
Instrument :
 BNA_F
 ClientSampleId :

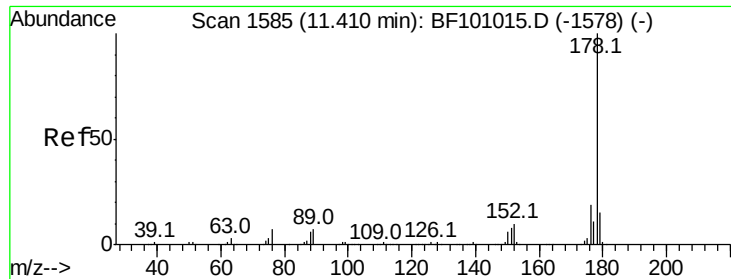
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.8	119.8
167	13.4	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF101025.D
 Acq: 30 Nov 2017 18:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.5	12.7
80	9.0	9.2	13.8





#70

Phenanthrene

Concen: 182.842 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

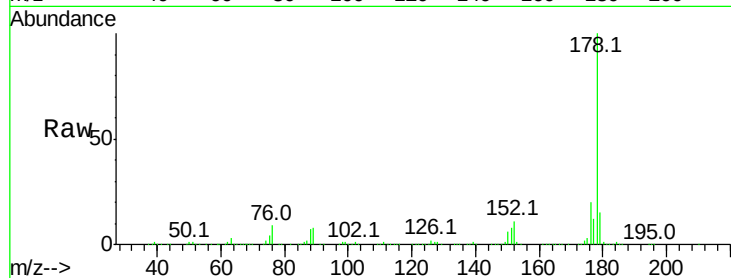
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 1682475

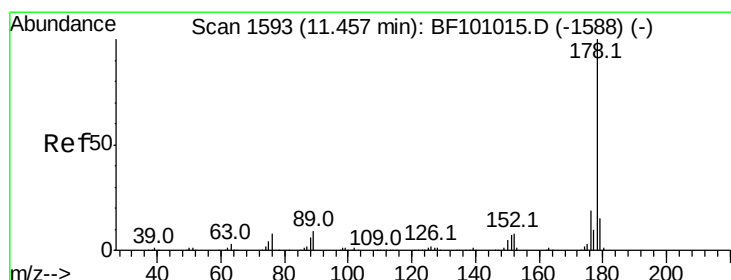
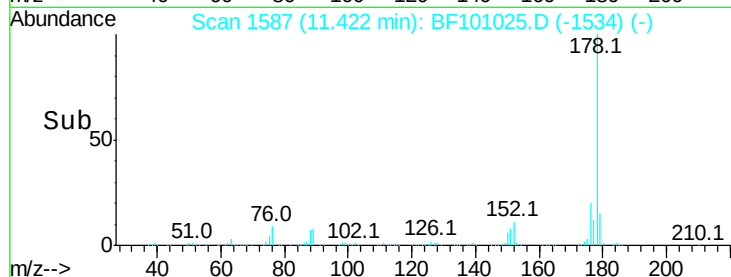
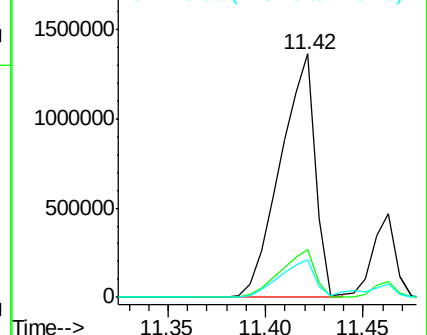
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.5	13.0	19.6



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: 39.299 ng

RT: 11.46 min Scan# 1594

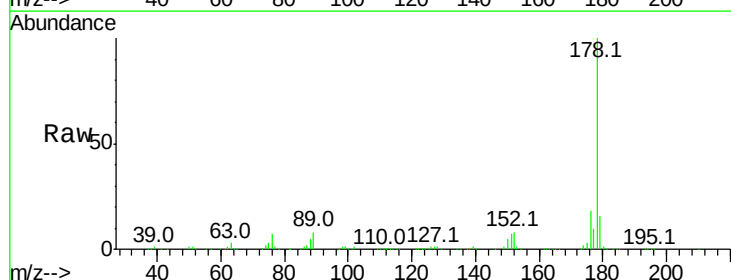
Delta R.T. 0.01 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

Tgt Ion:178 Resp: 365991

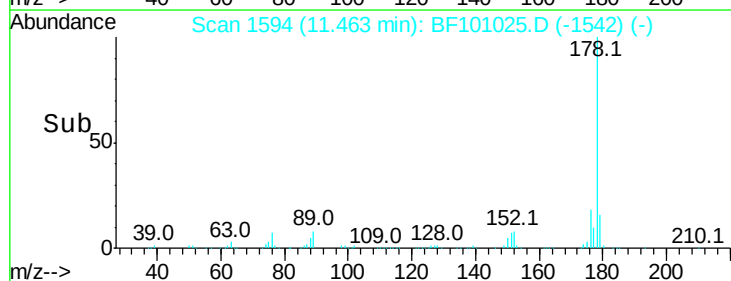
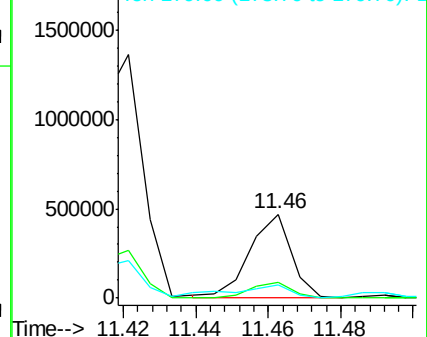
Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.7	12.6	19.0

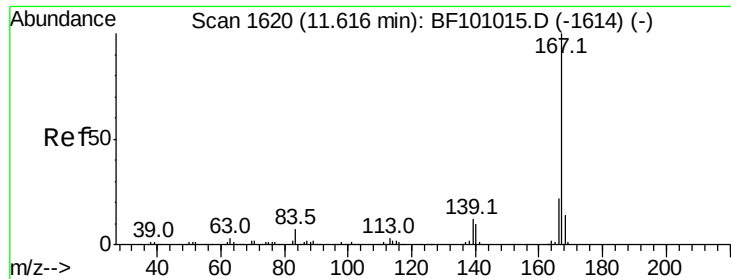


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

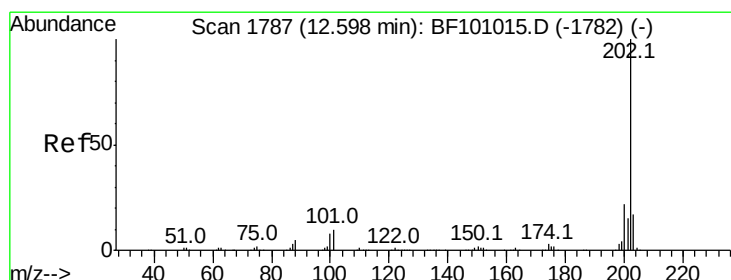
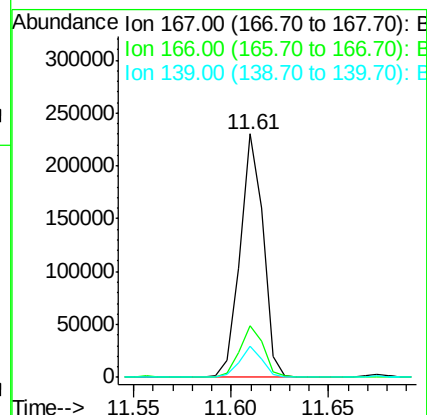
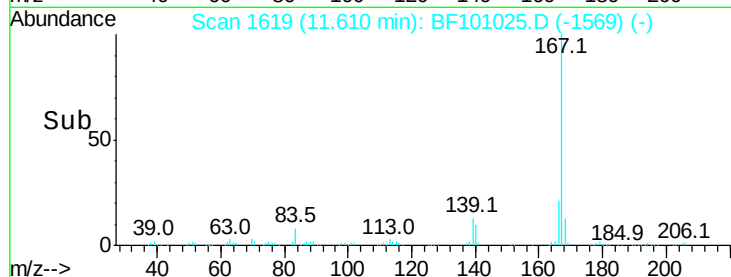
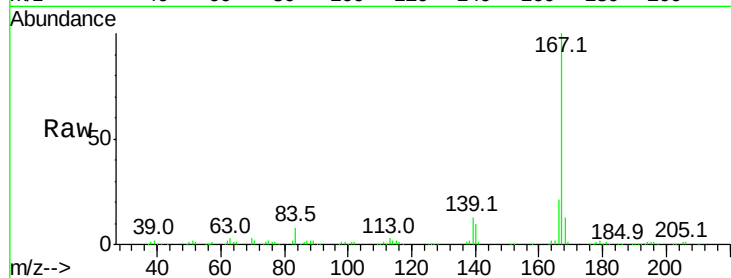




#72
 Carbazole
 Concen: 22.213 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF101025.D
 Acq: 30 Nov 2017 18:50

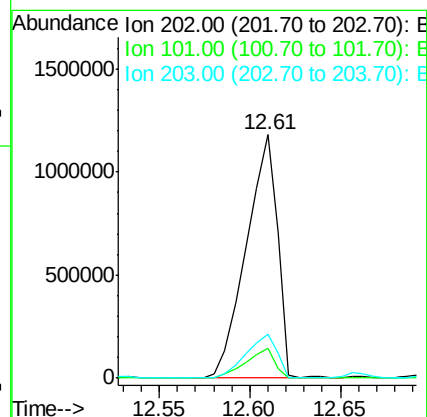
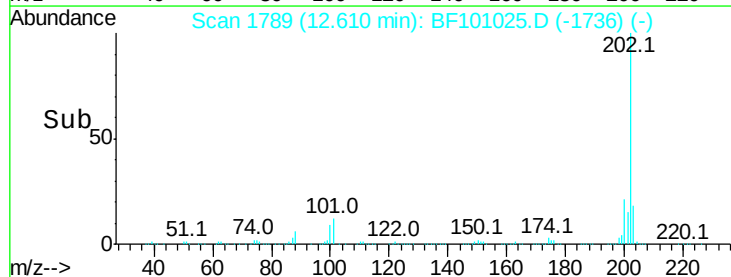
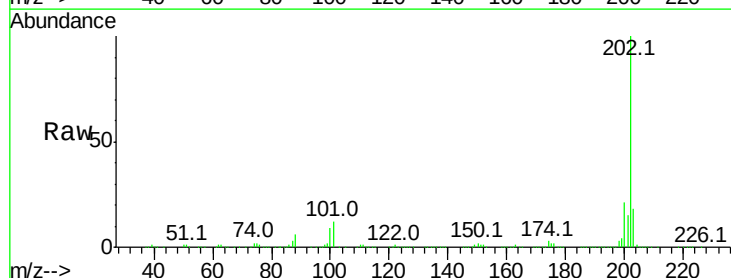
Instrument :
 BNA_F
 ClientSampleId :

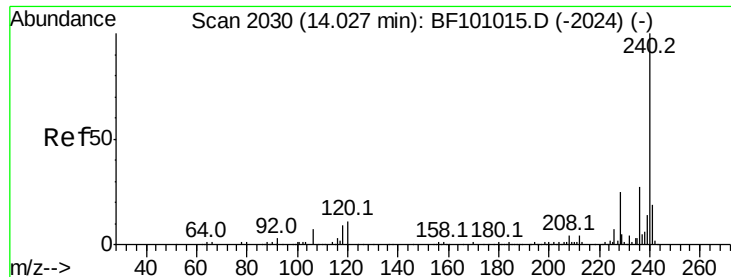
Tot Ion:167 Resp: 189011
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.6 26.4
 139 12.8 10.9 16.3



#74
 Fluoranthene
 Concen: 138.624 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. 0.01 min
 Lab File: BF101025.D
 Acq: 30 Nov 2017 18:50

Tgt Ion:202 Resp: 1413967
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 34.1
 203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

Instrument :

BNA_F

ClientSampleId :

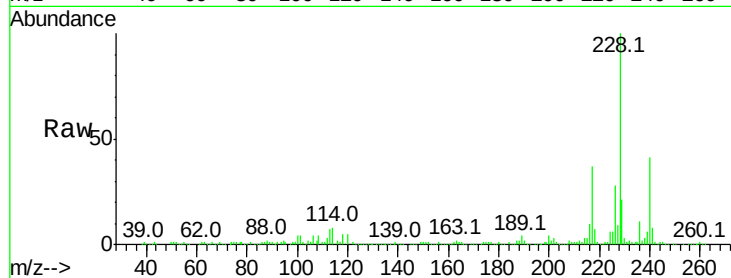
Tot Ion:240 Resp: 110674

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

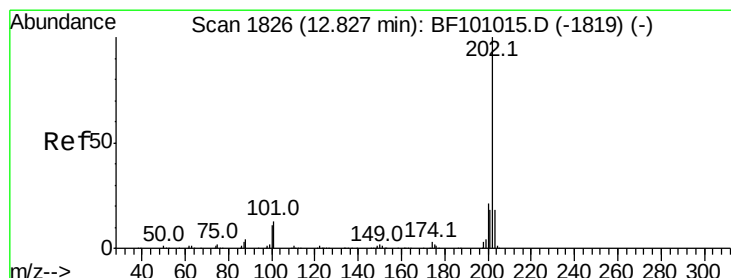
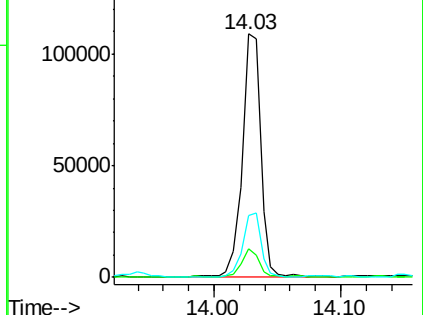
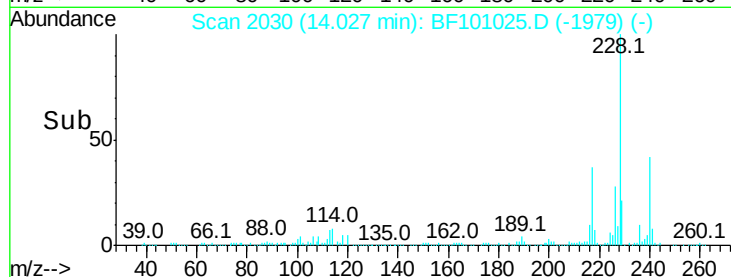
236 25.6 20.7 31.1



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: 151.929 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

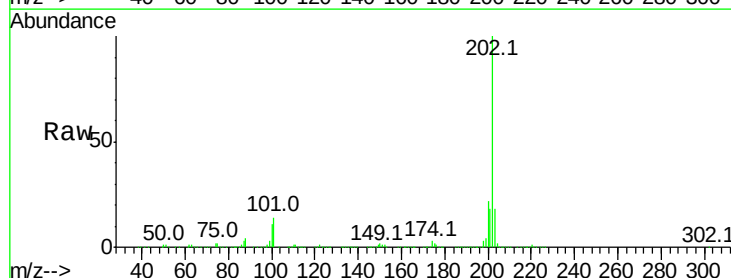
Tgt Ion:202 Resp: 1160261

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

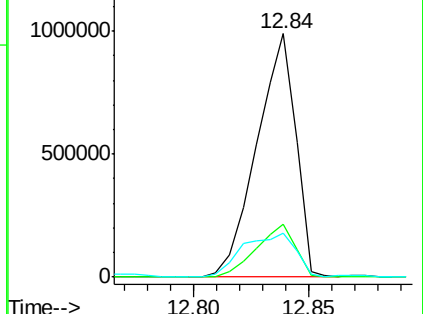
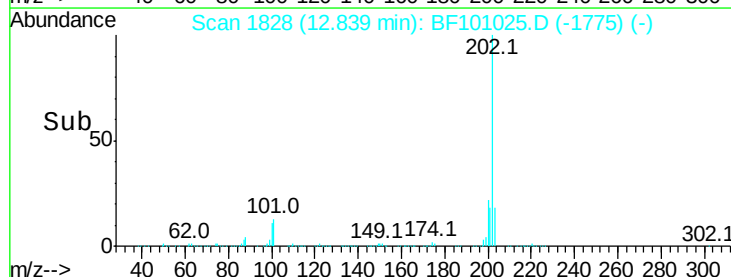
203 18.1 14.3 21.5

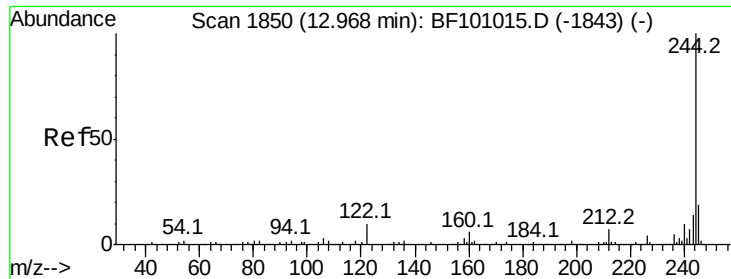


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 34.098 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

Instrument :

BNA_F

ClientSampled :

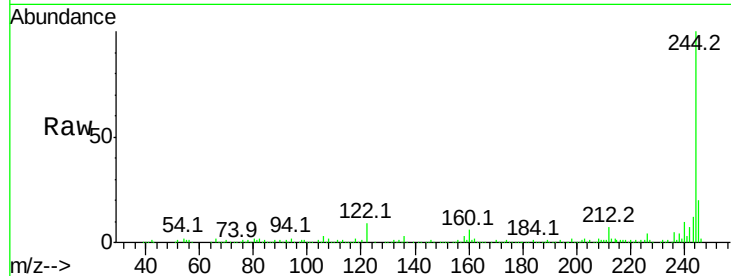
Tot Ion:244 Resp: 172535

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

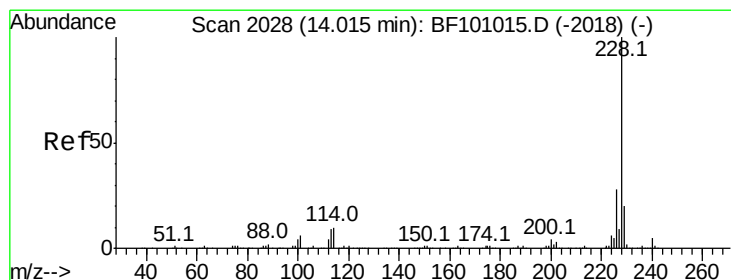
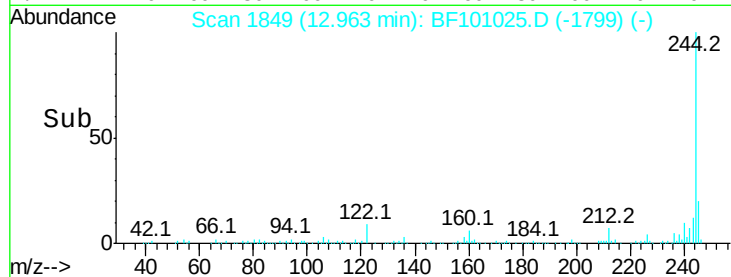
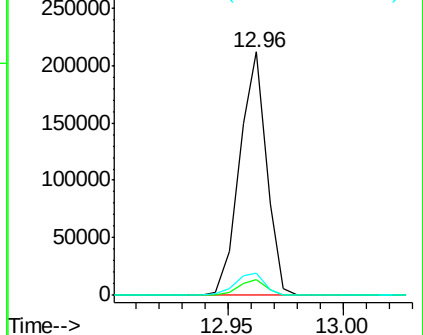
122 9.2 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 86.090 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

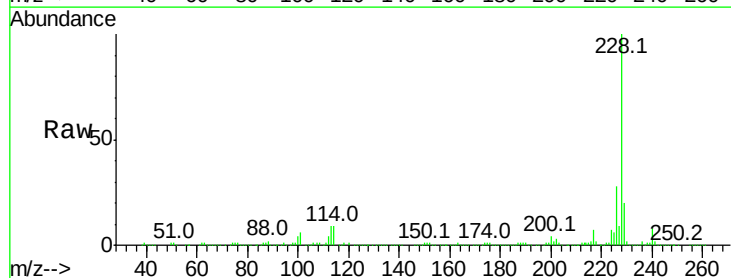
Tgt Ion:228 Resp: 601576

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

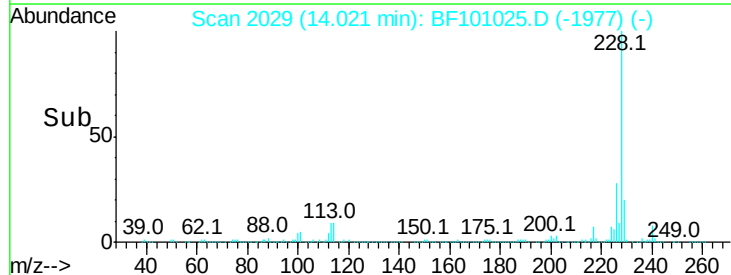
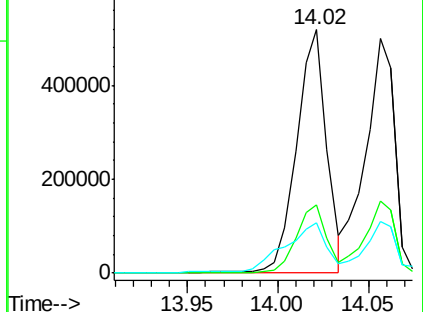
229 20.4 15.8 23.6

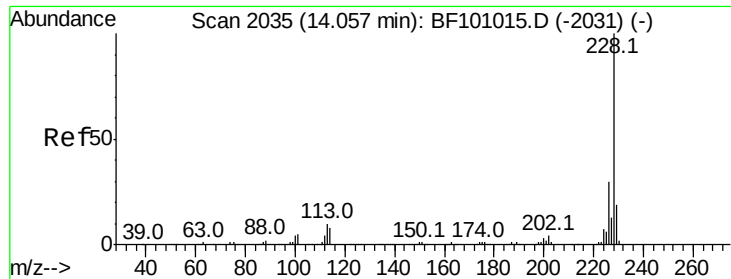


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 86.707 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

Instrument :

BNA_F

ClientSampleId :

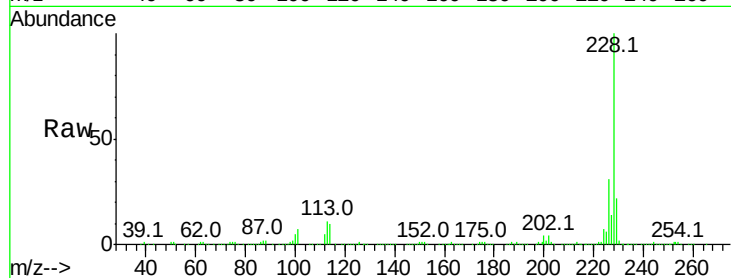
Tot Ion:228 Resp: 562704

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

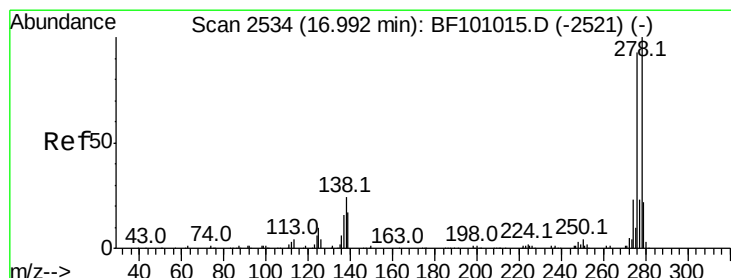
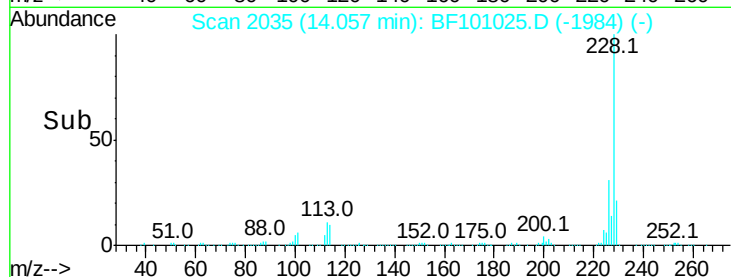
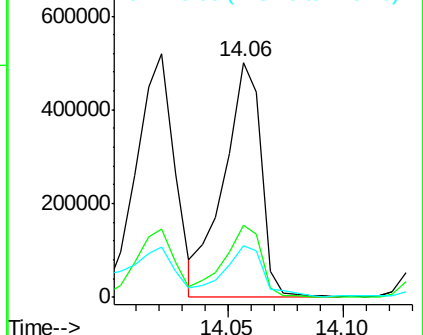
229 21.9 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 53.075 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.01 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

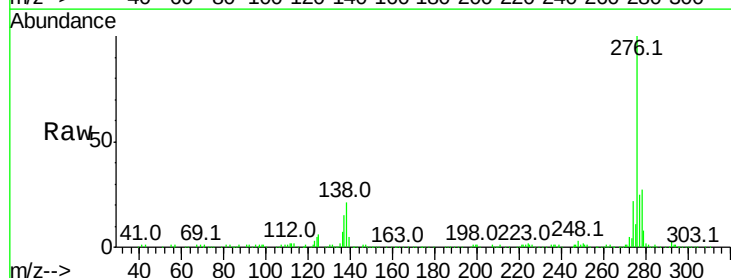
Tgt Ion:276 Resp: 306224

Ion Ratio Lower Upper

276 100

138 20.4 25.0 37.6#

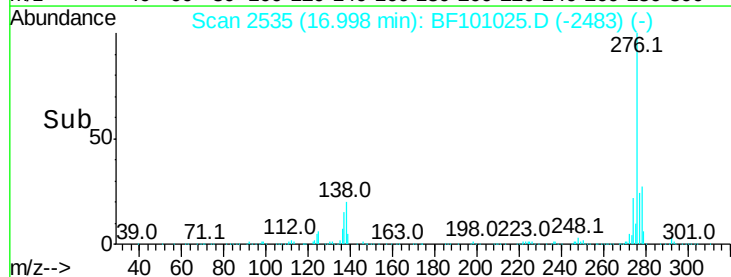
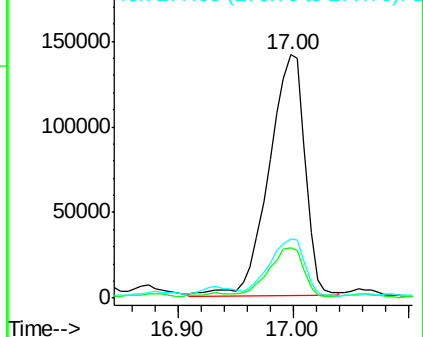
277 23.3 20.1 30.1

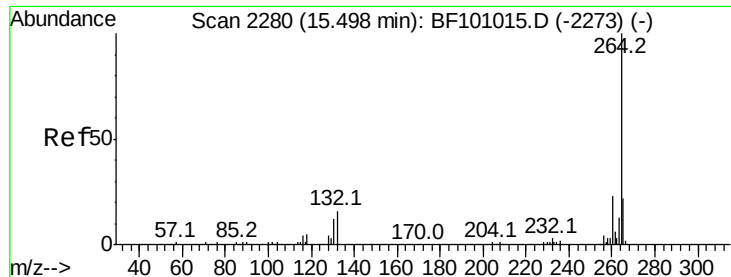


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

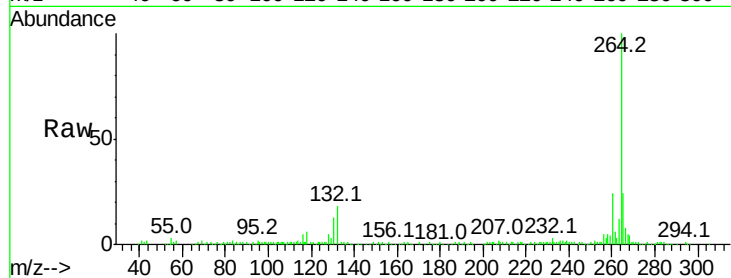




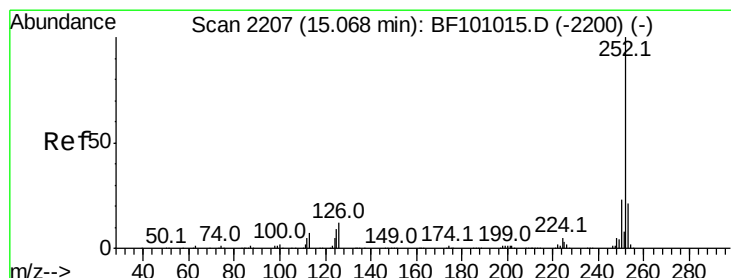
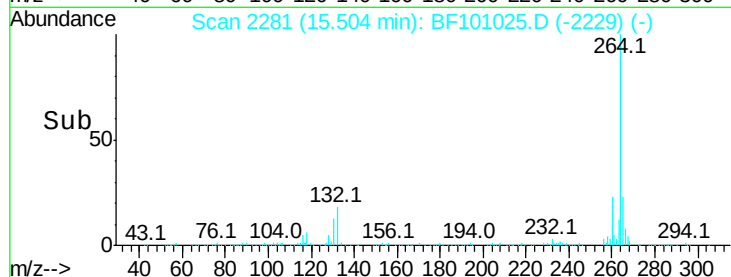
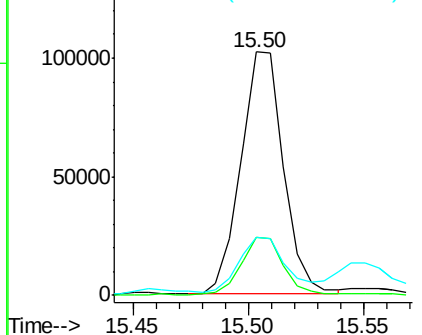
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	23.6	17.5	26.3

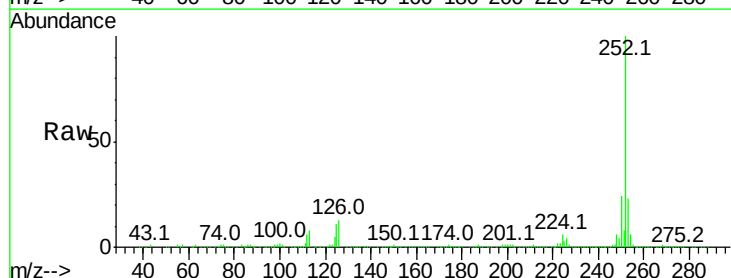


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

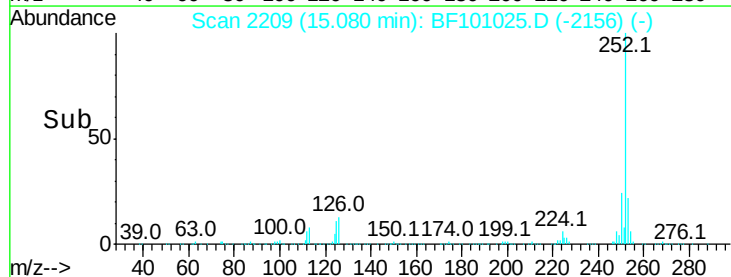
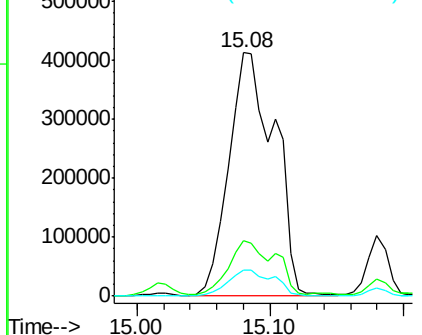


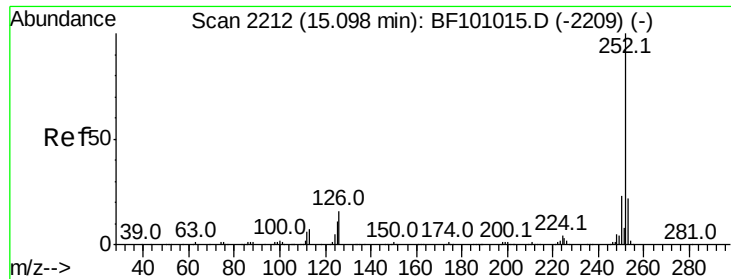
#87
Benzo(b)fluoranthene
Concen: 124.567 ng
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	10.9	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

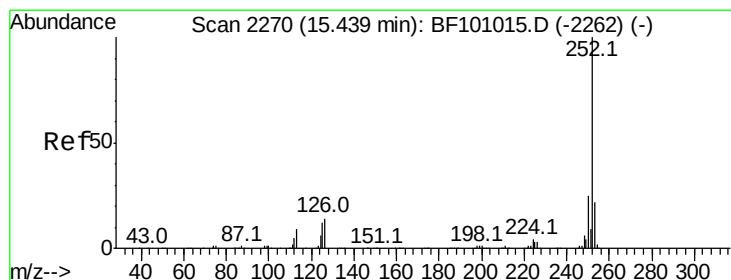
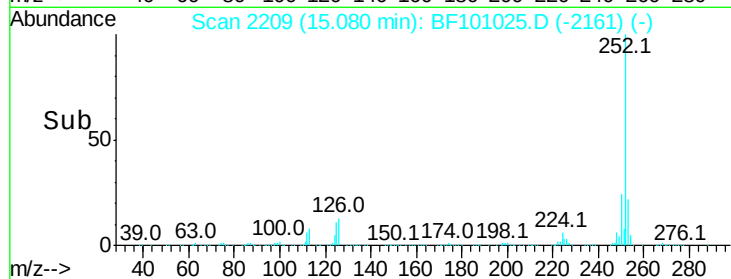
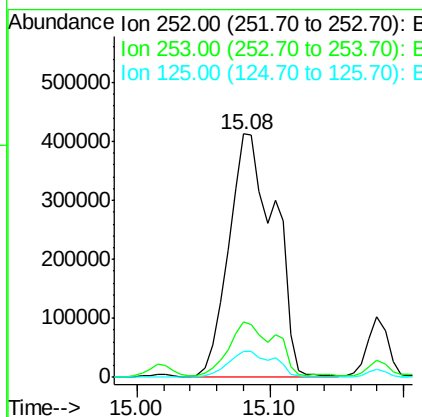
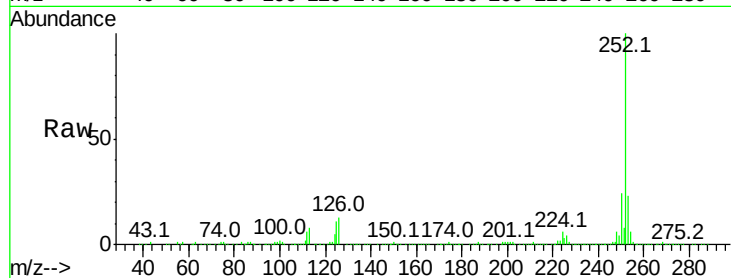




#88
Benzo(k)fluoranthene
Concen: 126.436 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.02 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

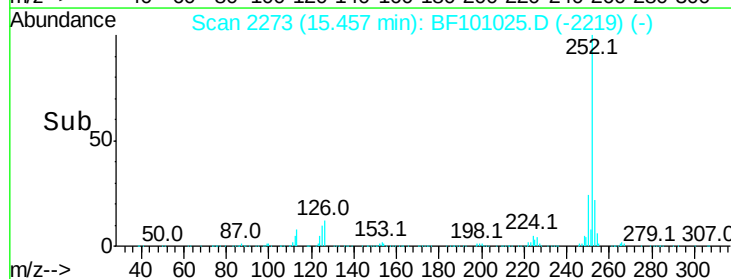
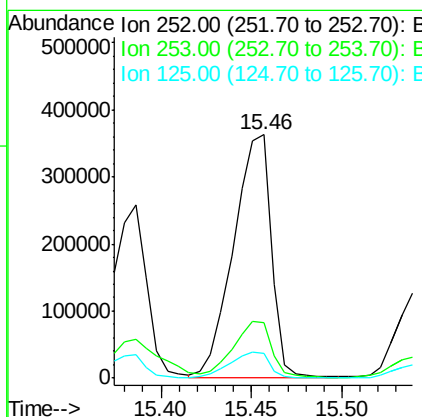
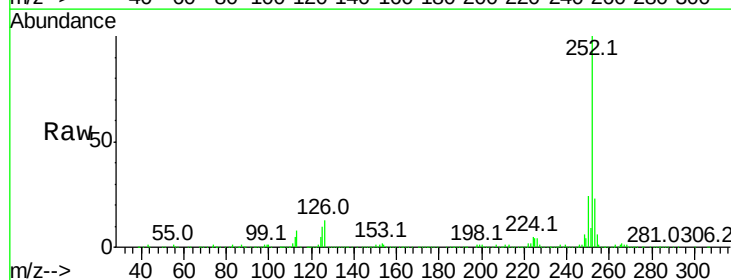
Instrument :
BNA_F
ClientSampleId :

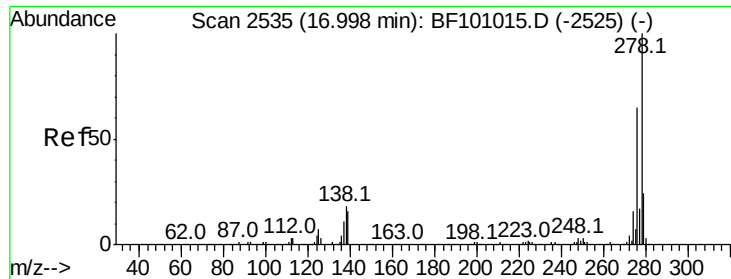
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	10.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 73.130 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.02 min
Lab File: BF101025.D
Acq: 30 Nov 2017 18:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	10.0	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 11.771 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

Instrument :

BNA_F

ClientSampleId :

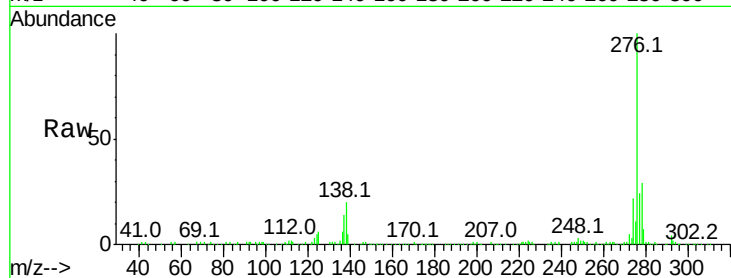
Tot Ion:278 Resp: 74343

Ion	Ratio	Lower	Upper
278	100		
139	17.2	15.9	23.9
279	25.0	19.0	28.4

278 100

139 17.2 15.9 23.9

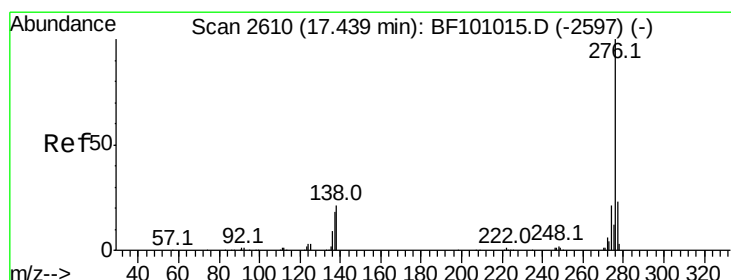
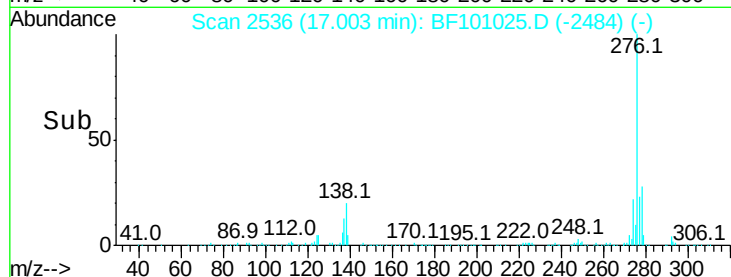
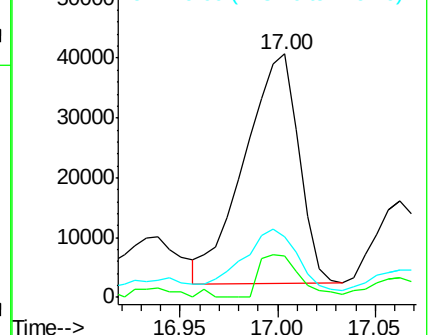
279 25.0 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 42.710 ng

RT: 17.45 min Scan# 2612

Delta R.T. 0.01 min

Lab File: BF101025.D

Acq: 30 Nov 2017 18:50

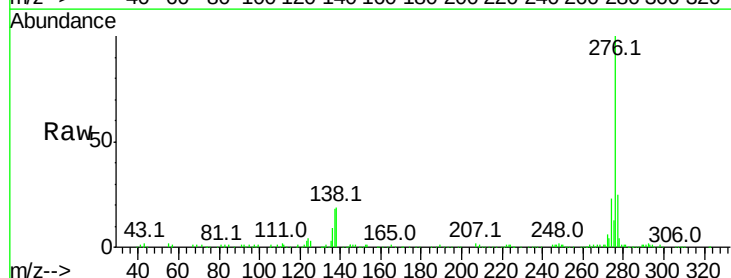
Tgt Ion:276 Resp: 254206

Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	19.2	21.8	32.8#

276 100

277 24.9 17.9 26.9

138 19.2 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

