

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
 Data File : BF094110.D
 Acq On : 31 Mar 2017 21:43
 Operator : SJ/MA
 Sample : I2463-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

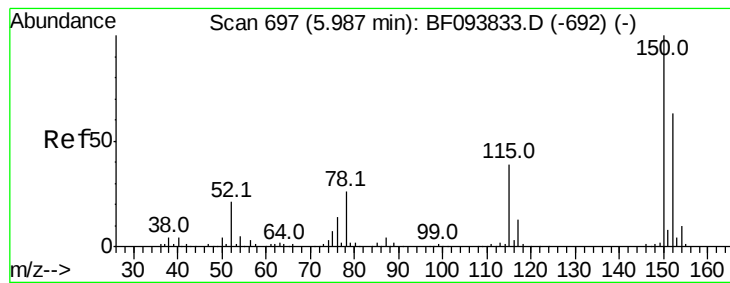
Quant Time: Mar 31 23:11:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	186945	20.00	ng	0.00
21) Naphthalene-d8	7.41	136	719740	20.00	ng	0.00
38) Acenaphthene-d10	9.55	164	307930	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	453952	20.00	ng	0.00
75) Chrysene-d12	14.63	240	305220	20.00	ng	0.00
86) Perylene-d12	16.26	264	300846	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	1464322	132.30	ng	0.02
7) Phenol-d6	5.53	99	1875377	136.96	ng	0.02
23) Nitrobenzene-d5	6.56	82	1062039	84.21	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	263141	108.14	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	1623506	80.42	ng	0.00
78) Terphenyl-d14	13.36	244	835192	61.34	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	5.40	77	20470	2.21	ng	# 81
10) Phenol	5.54	94	75681	4.86	ng	88
15) Benzyl Alcohol	6.08	79	20235	2.02	ng	# 45
17) 2-Methylphenol	6.22	107	99823	9.58	ng	99
19) n-Nitroso-di-n-propylamine	6.56	70	140441	15.96	ng	# 78
20) 3+4-Methylphenols	6.40	107	210960	16.72	ng	# 60
27) 2,4-Dimethylphenol	7.02	122	296655	29.02	ng	98
31) Naphthalene	7.43	128	1286171	37.16	ng	99
32) Benzoic acid	7.19	122	218894	32.17	ng	# 11
33) 4-Chloroaniline	7.43	127	160912	11.47	ng	# 31
37) 2-Methylnaphthalene	8.27	142	371732	16.11	ng	98
48) Acenaphthylene	9.37	152	114430	3.54	ng	# 95
49) Dimethylphthalate	9.23	163	117392	5.36	ng	99
51) Acenaphthene	9.59	154	424981	22.54	ng	99
54) Dibenzofuran	9.80	168	502280	19.57	ng	99
55) 4-Nitrophenol	9.80	139	188257	40.80	ng	# 27
57) Fluorene	10.22	166	687183	32.29	ng	98
70) Phenanthrene	11.42	178	3184788	126.12	ng	100
71) Anthracene	11.47	178	895236	34.43	ng	99
72) Carbazole	11.67	167	803130	30.12	ng	98
74) Fluoranthene	12.88	202	2165009	83.73	ng	100
77) Pyrene	13.16	202	2083037	94.04	ng	99
80) Benzo(a)anthracene	14.62	228	923379	51.88	ng	99
82) Chrysene	14.67	228	913555	55.31	ng	96
85) Indeno(1,2,3-cd)pyrene	17.62	276	363072	25.38	ng	93
87) Benzo(b)fluoranthene	15.86	252	1273677	69.07	ng	# 97
88) Benzo(k)fluoranthene	15.86	252	1273677	70.59	ng	98
89) Benzo(a)pyrene	16.21	252	743121	43.76	ng	97
90) Dibenzo(a,h)anthracene	17.77	278	81266	5.65	ng	93
91) Benzo(g,h,i)perylene	18.02	276	328747	22.68	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.90 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

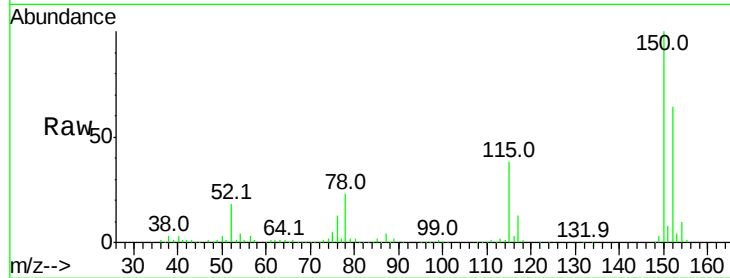
Tot Ion:152 Resp: 186945

Ion Ratio Lower Upper

152 100

150 157.2 126.2 189.2

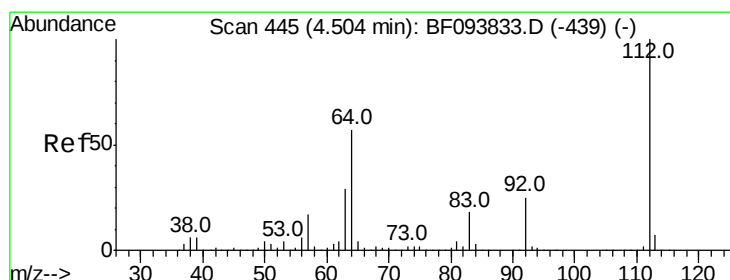
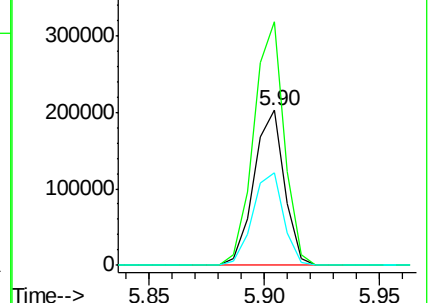
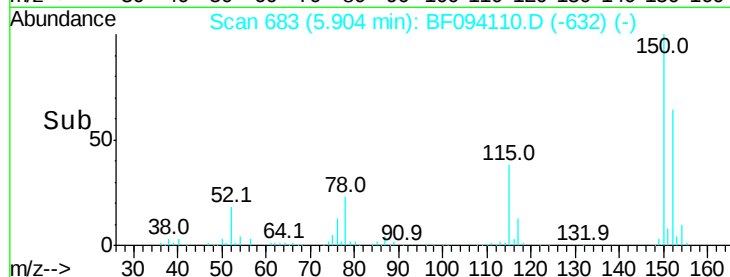
115 60.1 52.2 78.2



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: 132.30 ng

RT: 4.46 min Scan# 437

Delta R.T. 0.02 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

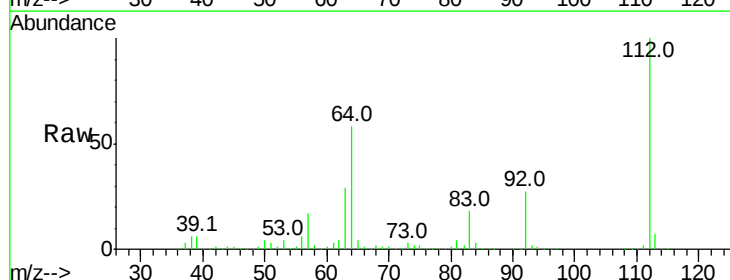
Tgt Ion:112 Resp: 1464322

Ion Ratio Lower Upper

112 100

64 57.7 46.0 69.0

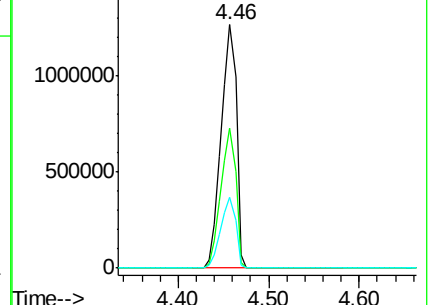
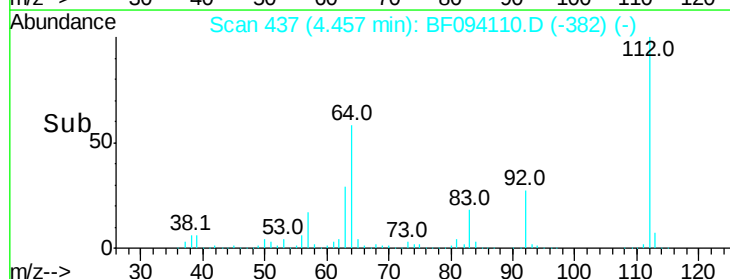
63 28.9 23.4 35.0

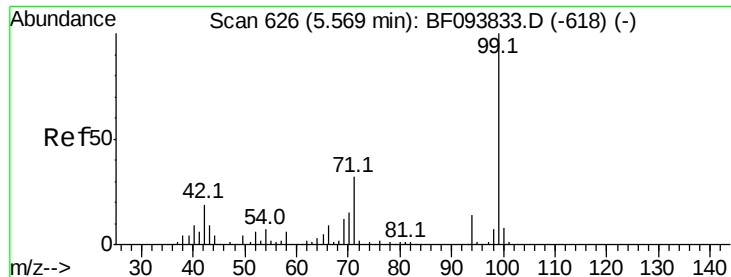


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 136.96 ng

RT: 5.53 min Scan# 619

Delta R.T. 0.02 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

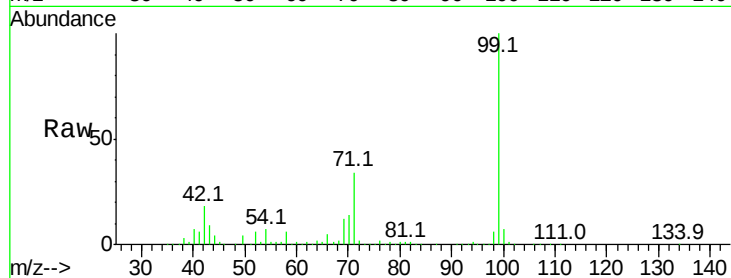
Tot Ion: 99 Resp: 1875377

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

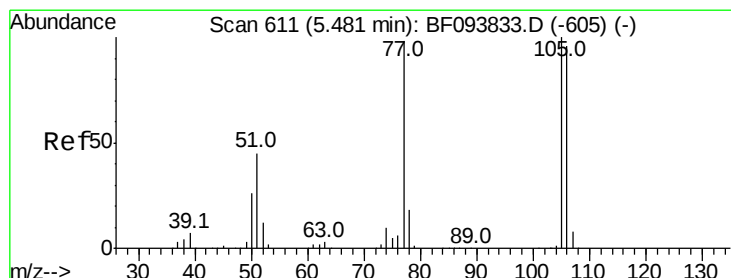
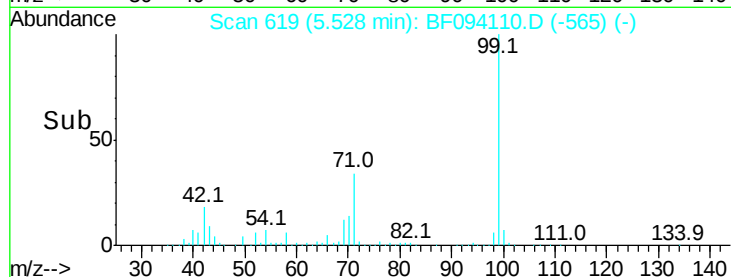
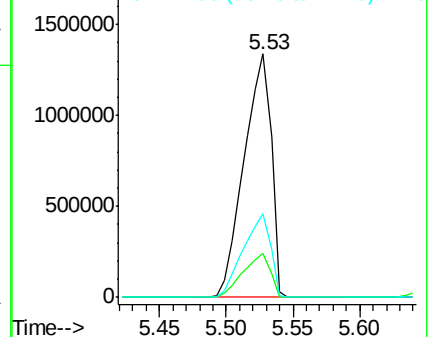
71 34.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.21 ng

RT: 5.40 min Scan# 597

Delta R.T. -0.00 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

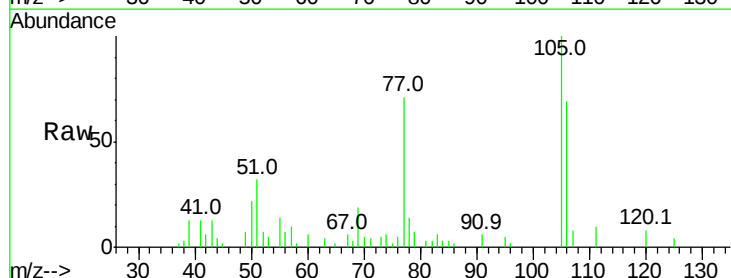
Tgt Ion: 77 Resp: 20470

Ion Ratio Lower Upper

77 100

105 140.1 83.8 123.8#

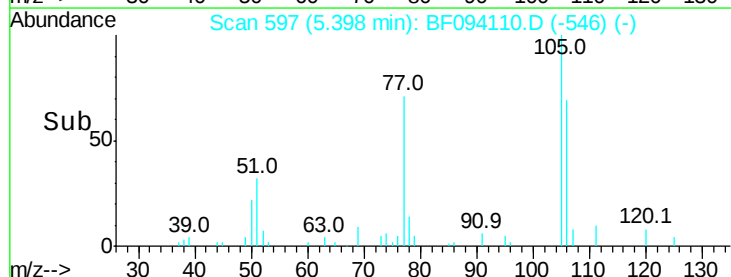
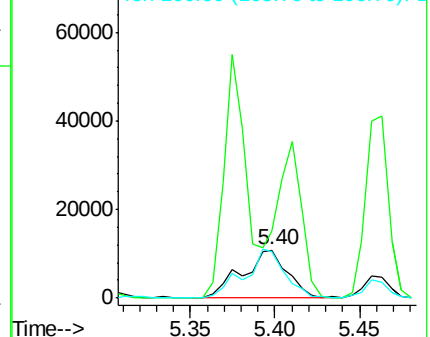
106 97.1 79.1 119.1

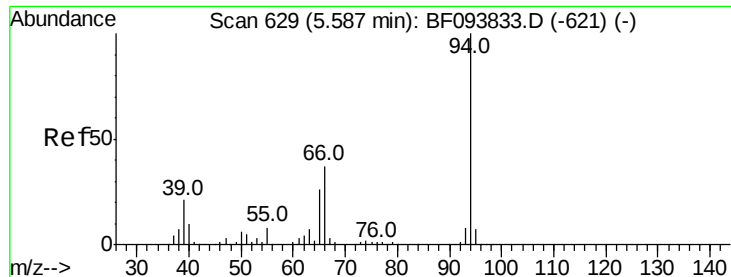


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 4.86 ng

RT: 5.54 min Scan# 621

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampled :

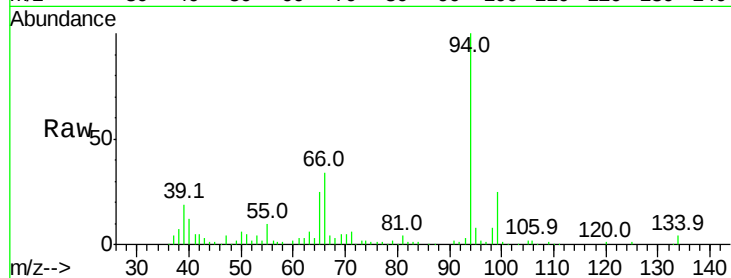
Tot Ion: 94 Resp: 75681

Ion Ratio Lower Upper

94 100

65 25.2 9.9 49.9

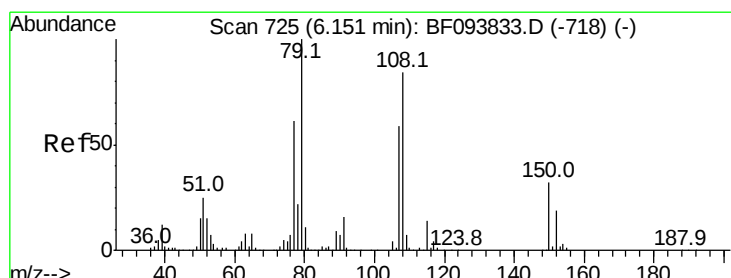
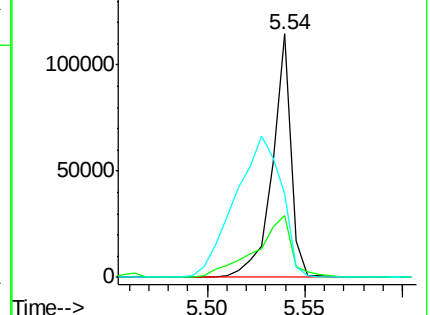
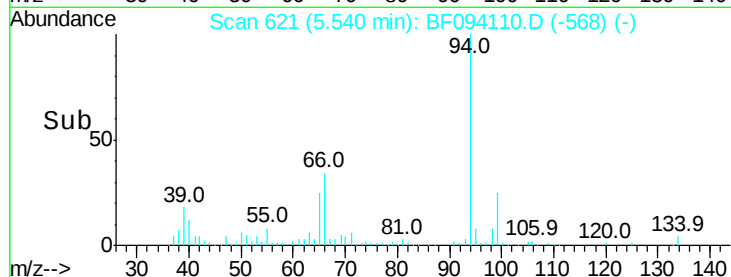
66 34.3 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 6.08 min Scan# 713

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

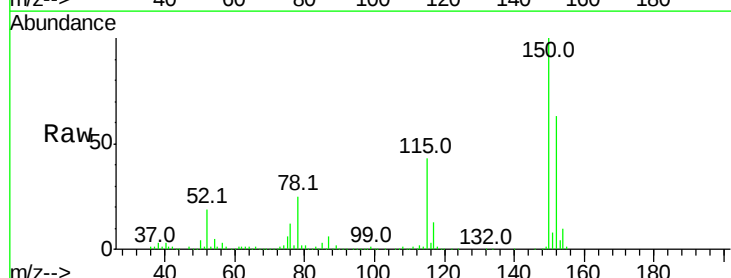
Tgt Ion: 79 Resp: 20235

Ion Ratio Lower Upper

79 100

108 28.5 63.4 95.0#

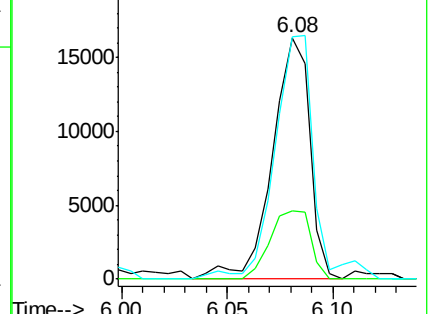
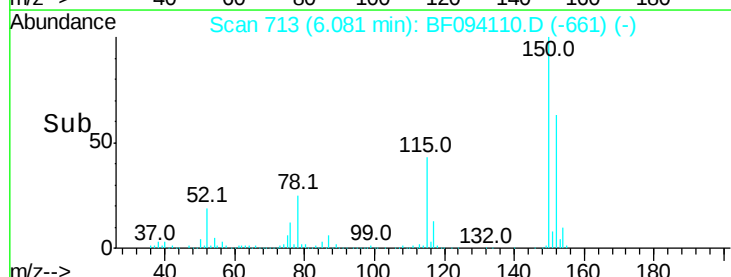
77 100.3 49.2 73.8#

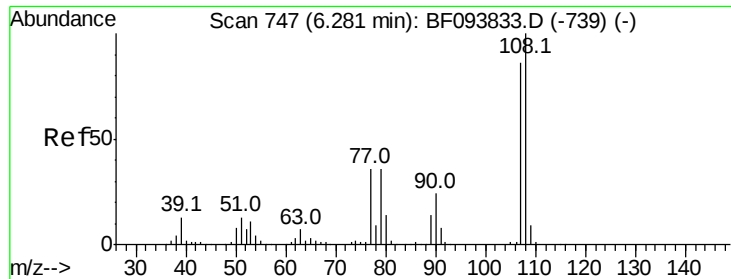


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

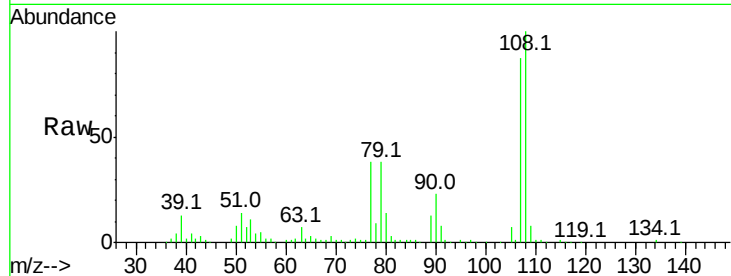




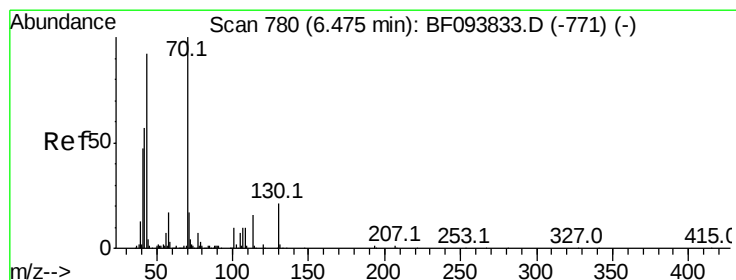
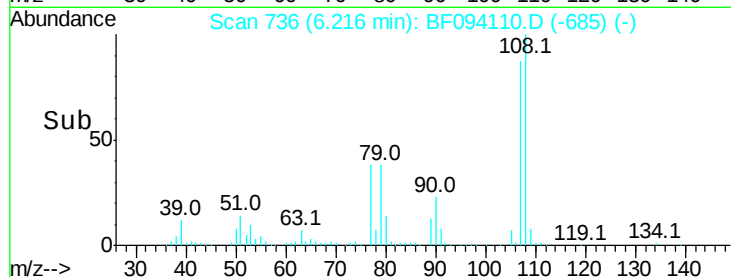
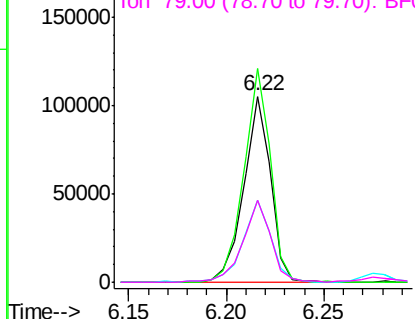
#17
2-Methylphenol
Concen: 9.58 ng
RT: 6.22 min Scan# 736
Delta R.T. -0.00 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 99823
Ion Ratio Lower Upper
107 100
108 114.9 93.4 140.0
77 43.9 35.8 53.6
79 44.2 34.8 52.2

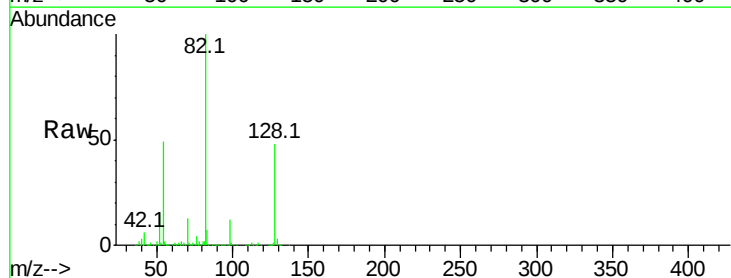


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

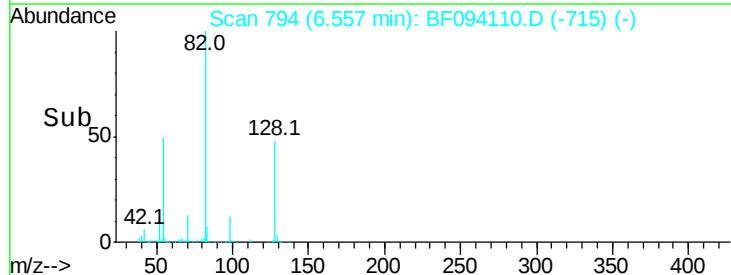
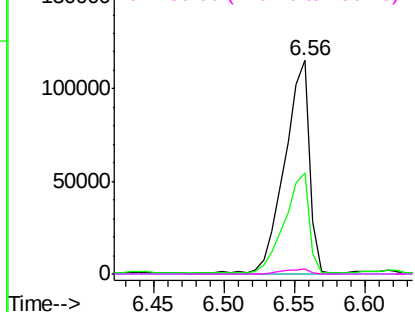


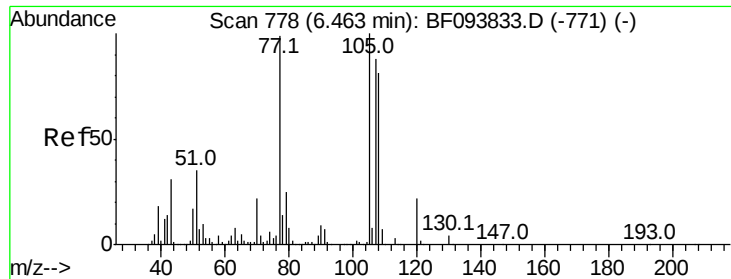
#19
n-Nitroso-di-n-propylamine
Concen: 15.96 ng
RT: 6.56 min Scan# 794
Delta R.T. 0.16 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion: 70 Resp: 140441
Ion Ratio Lower Upper
70 100
42 47.1 47.2 70.8#
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

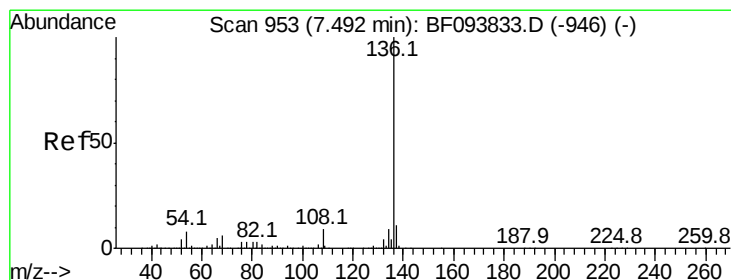
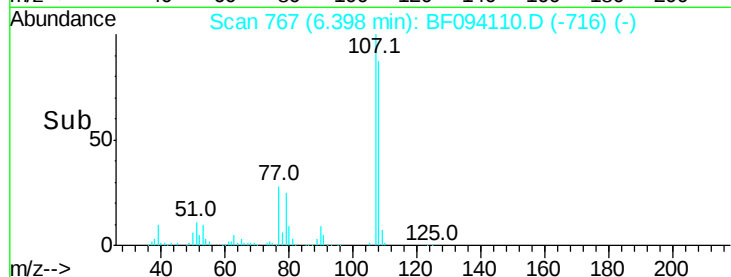
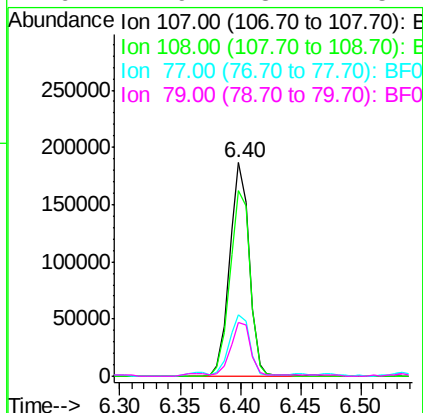
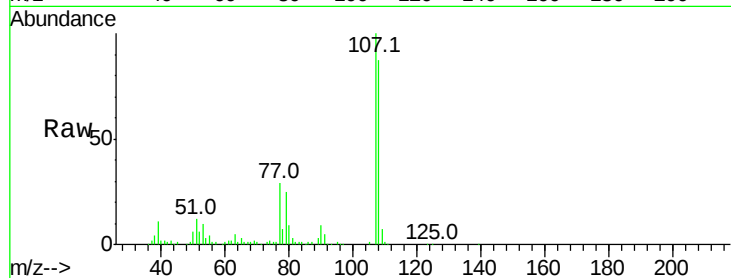




#20
3+4-Methylphenols
Concen: 16.72 ng
RT: 6.40 min Scan# 767
Delta R.T. -0.00 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

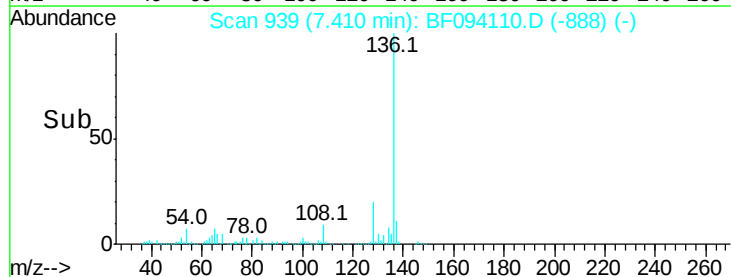
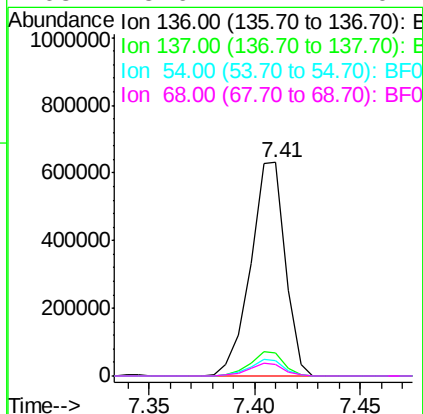
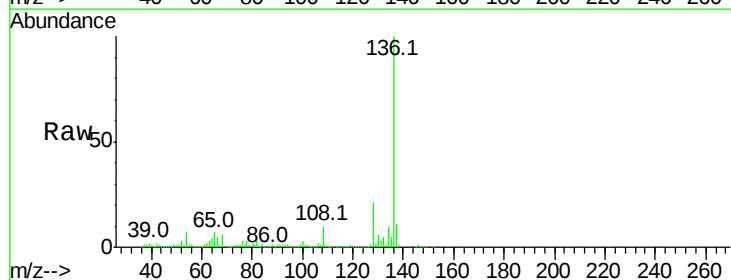
Instrument :
BNA_F
ClientSampleId :

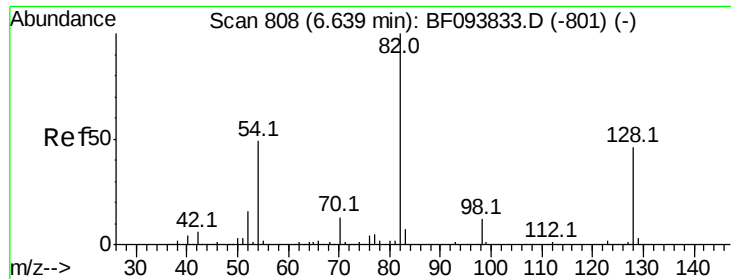
Tot Ion:	107	Resp:	210960
Ion	Ratio	Lower	Upper
107	100		
108	87.0	71.0	111.0
77	28.8	90.5	130.5#
79	24.9	8.4	48.4



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.41 min Scan# 939
Delta R.T. -0.00 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:	136	Resp:	719740
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.2	4.9	7.3
68	5.6	4.1	6.1

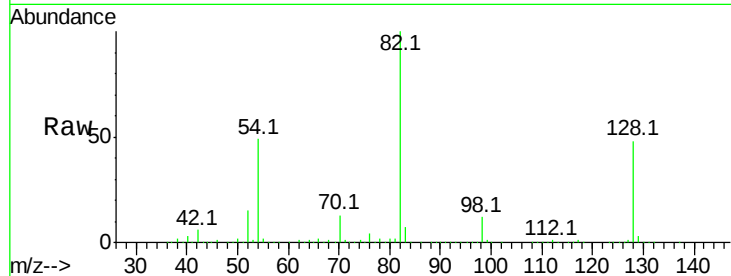




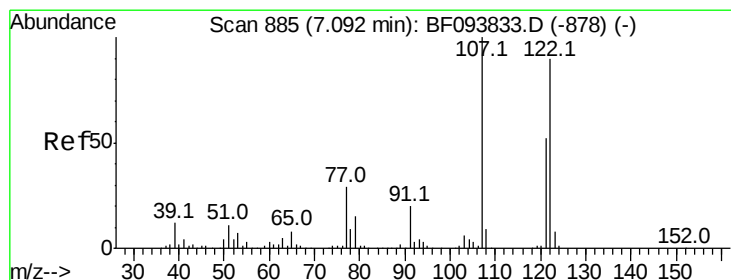
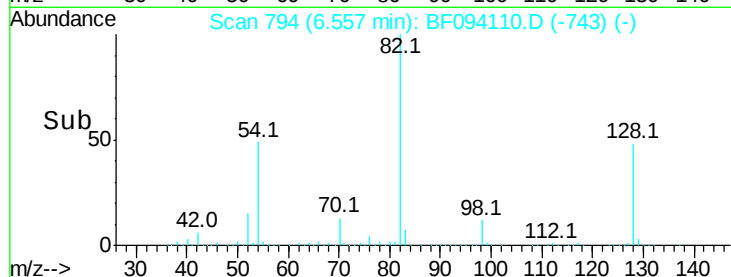
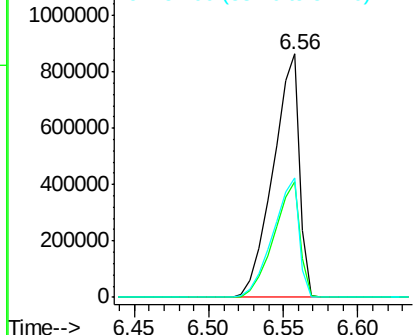
#23
Nitrobenzene-d5
Concen: 84.21 ng
RT: 6.56 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1062039
Ion Ratio Lower Upper
82 100
128 47.6 34.0 51.0
54 49.3 42.2 63.2

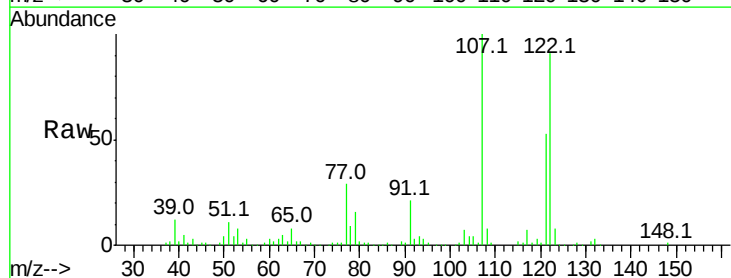


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

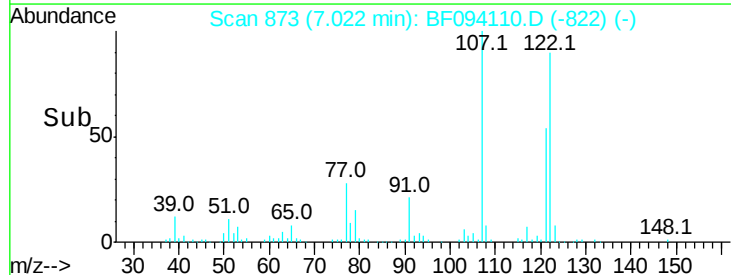
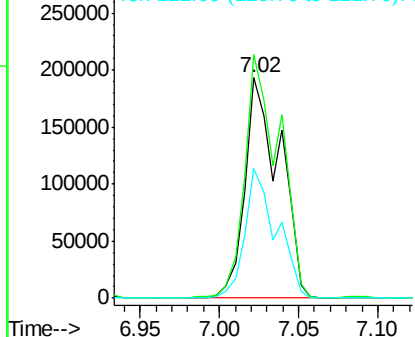


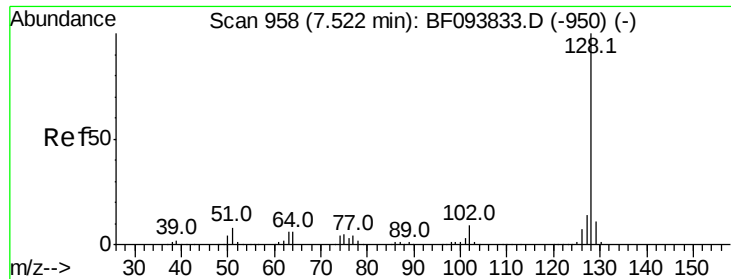
#27
2,4-Dimethylphenol
Concen: 29.02 ng
RT: 7.02 min Scan# 873
Delta R.T. -0.00 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:122 Resp: 296655
Ion Ratio Lower Upper
122 100
107 110.5 89.2 133.8
121 58.7 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

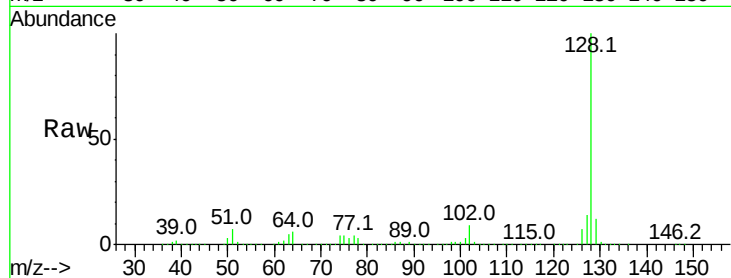




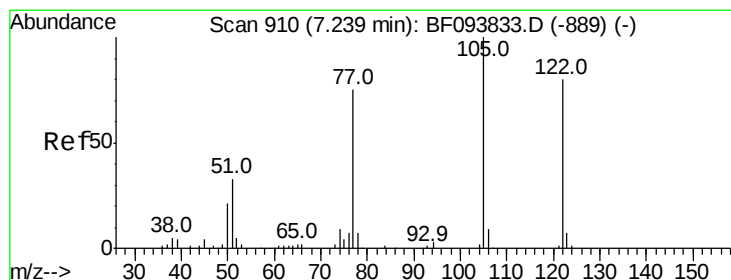
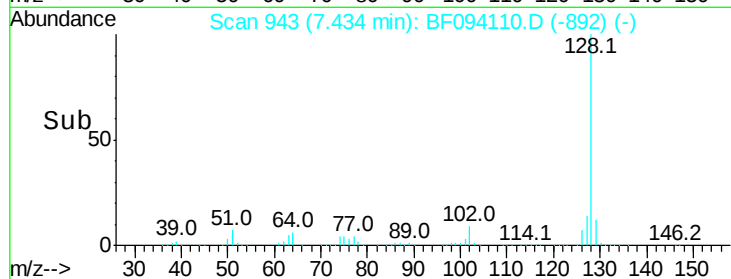
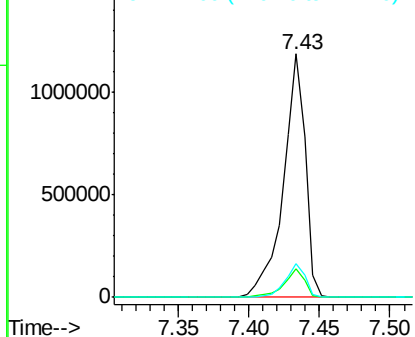
#31
Naphthalene
Concen: 37.16 ng
RT: 7.43 min Scan# 943
Delta R.T. -0.00 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 1286171
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 13.7 10.8 16.2

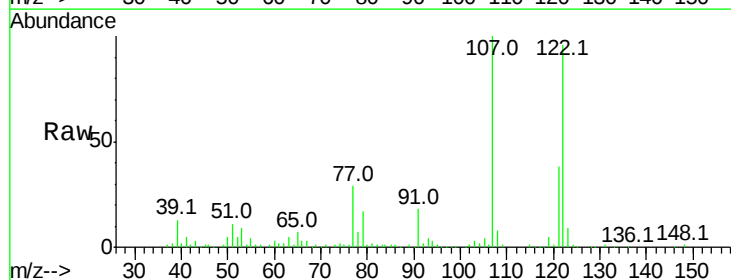


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

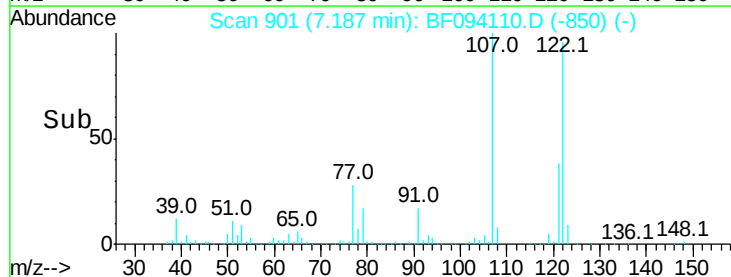
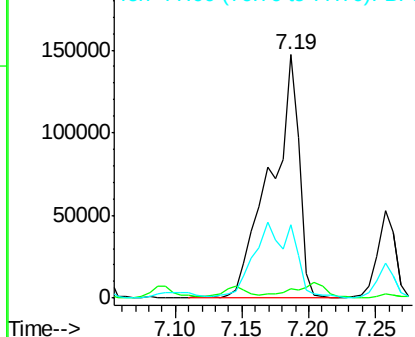


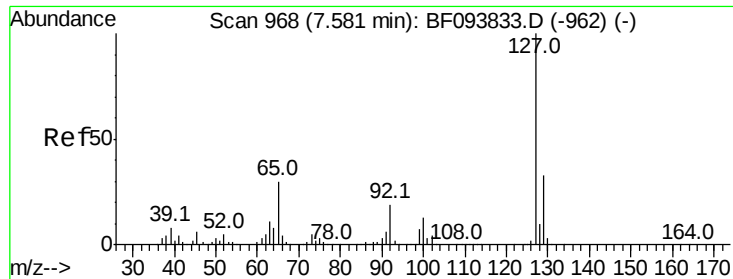
#32
Benzoic acid
Concen: 32.17 ng
RT: 7.19 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:122 Resp: 218894
Ion Ratio Lower Upper
122 100
105 3.9 103.3 143.3#
77 30.0 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

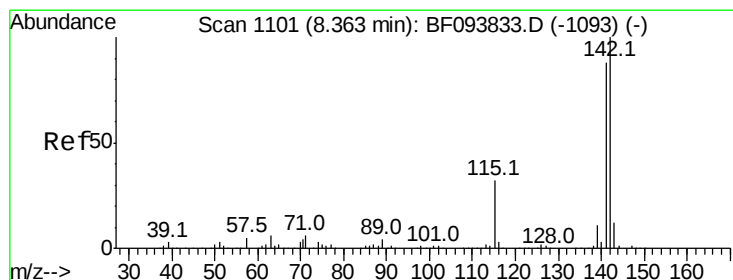
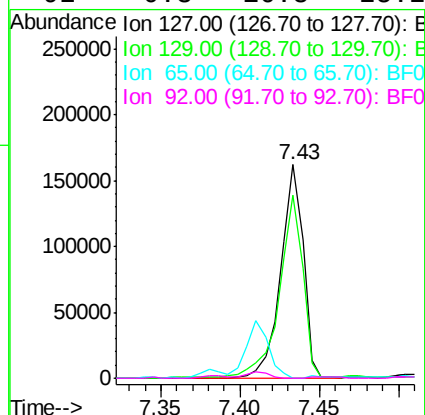
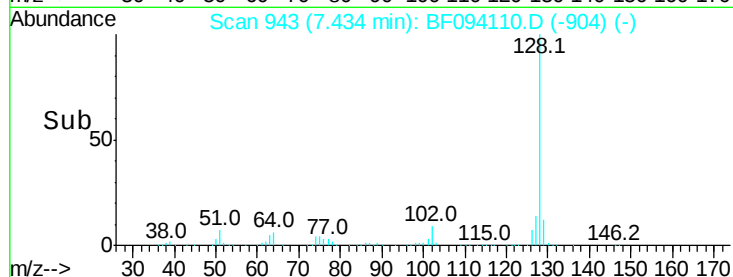
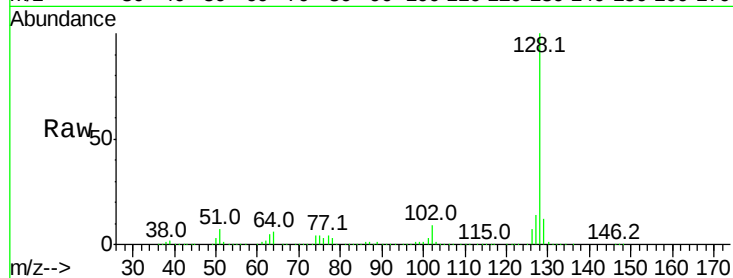




#33
4-Chloroaniline
Concen: 11.47 ng
RT: 7.43 min Scan# 943
Delta R.T. -0.07 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

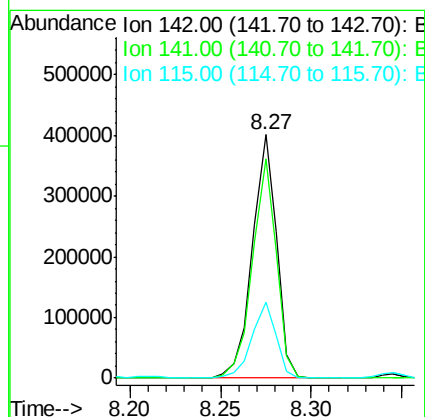
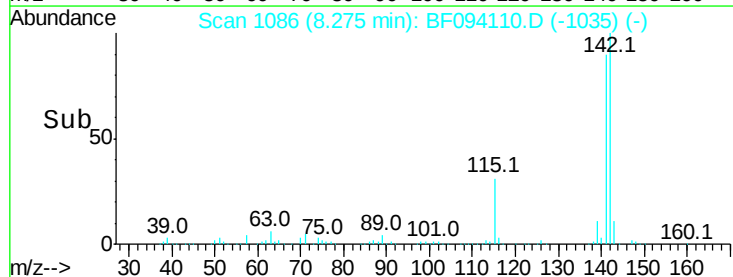
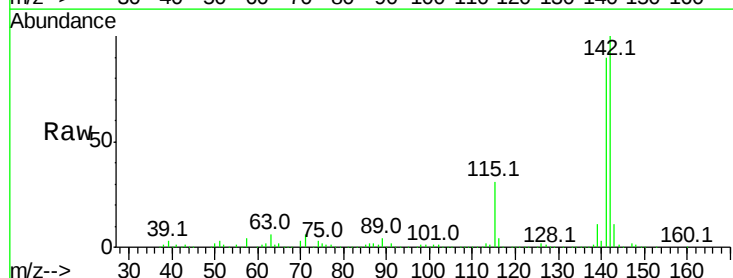
Instrument :
BNA_F
ClientSampleId :

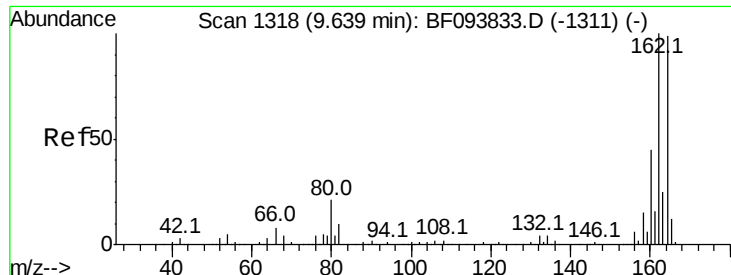
Tot Ion:	127	Resp:	160912
Ion	Ratio	Lower	Upper
127	100		
129	85.4	26.2	39.2#
65	0.0	27.8	41.8#
92	0.3	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 16.11 ng
RT: 8.27 min Scan# 1086
Delta R.T. -0.00 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:	142	Resp:	371732
Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.3	106.9
115	31.4	27.1	40.7

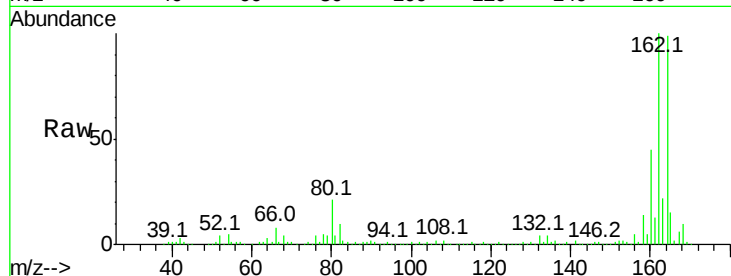




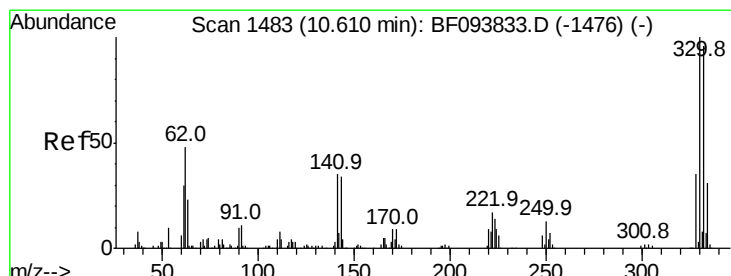
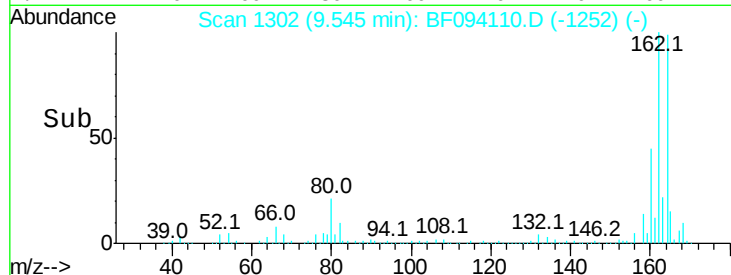
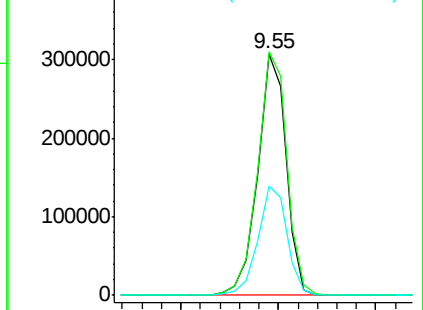
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF094110.D
 Acq: 31 Mar 2017 21:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 307930
 Ion Ratio Lower Upper
 164 100
 162 100.9 82.6 123.8
 160 45.1 36.2 54.2

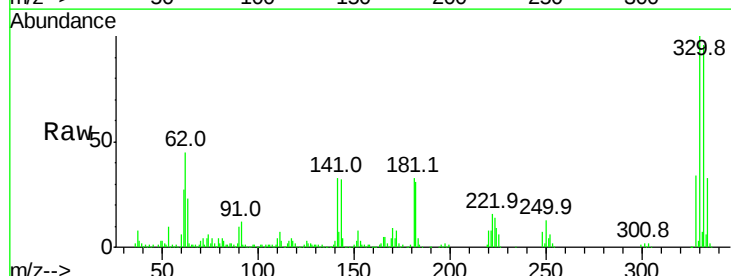


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

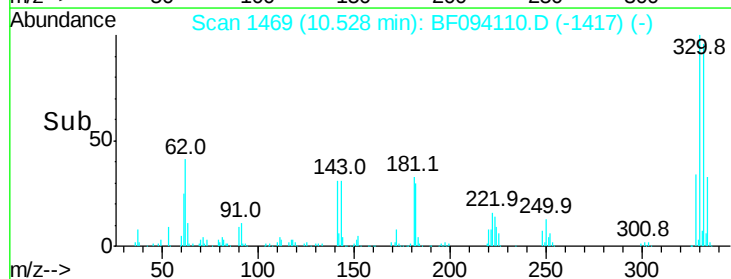
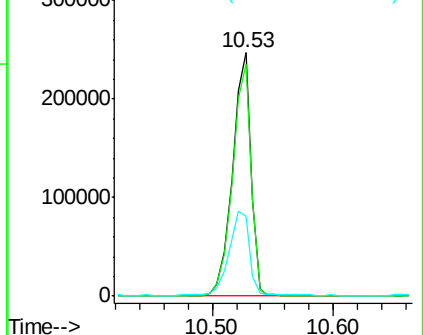


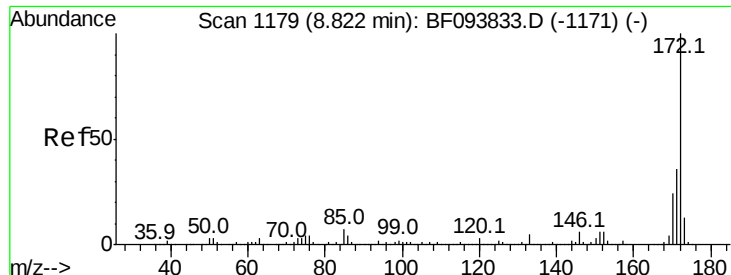
#41
 2,4,6-Tribromophenol
 Concen: 108.14 ng
 RT: 10.53 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF094110.D
 Acq: 31 Mar 2017 21:43

Tgt Ion:330 Resp: 263141
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 37.7 31.4 47.2



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



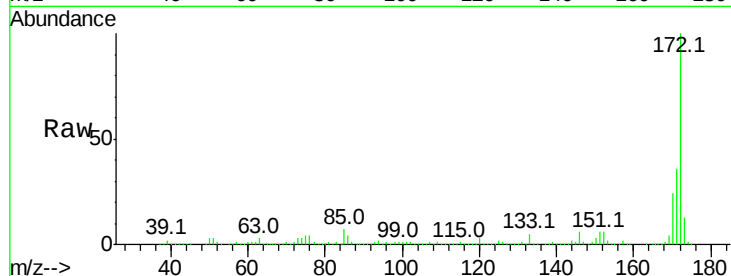


#44
 2-Fluorobiphenyl
 Concen: 80.42 ng
 RT: 8.73 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: BF094110.D
 Acq: 31 Mar 2017 21:43

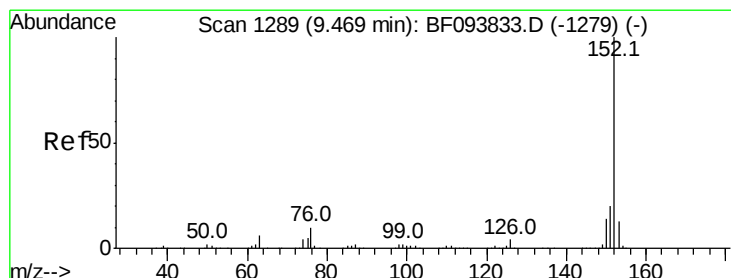
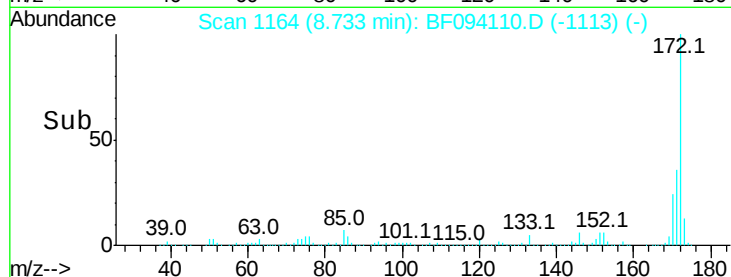
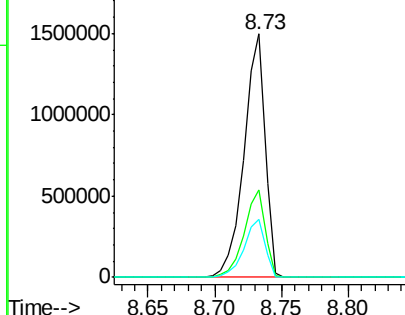
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1623506

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.7	19.8	29.8



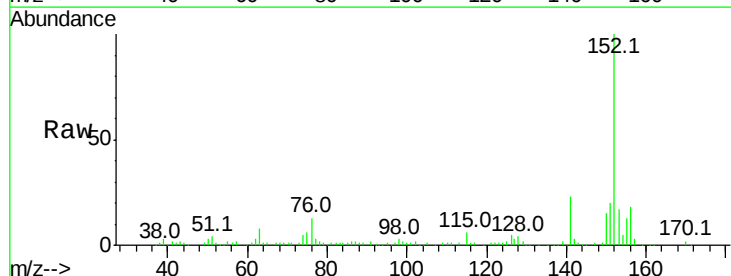
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



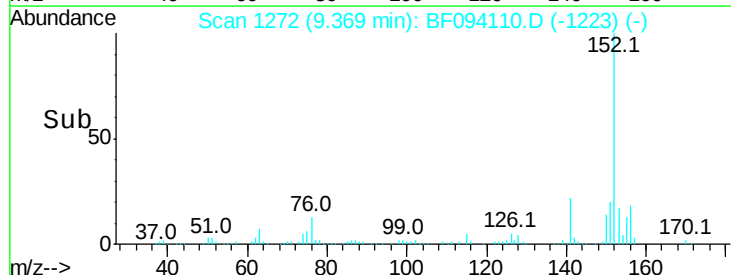
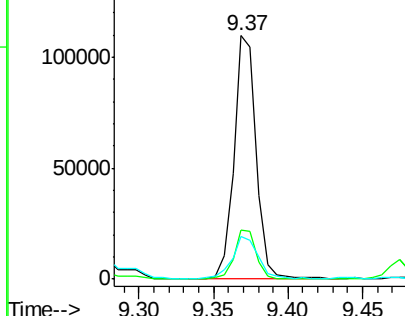
#48
 Acenaphthylene
 Concen: 3.54 ng
 RT: 9.37 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: BF094110.D
 Acq: 31 Mar 2017 21:43

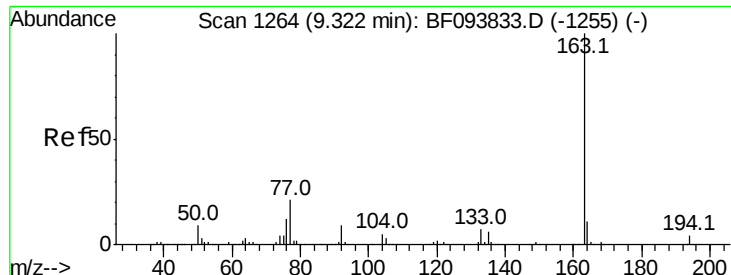
Tgt Ion:152 Resp: 114430

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.8	25.2
153	17.3	10.8	16.2#



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

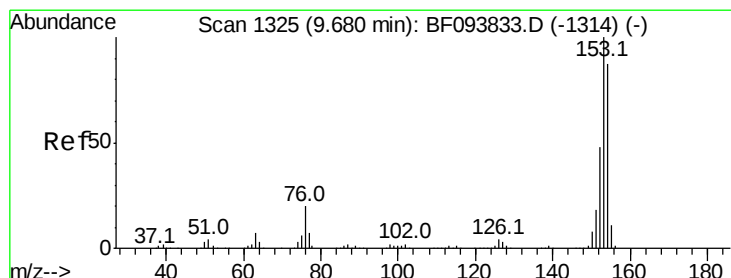
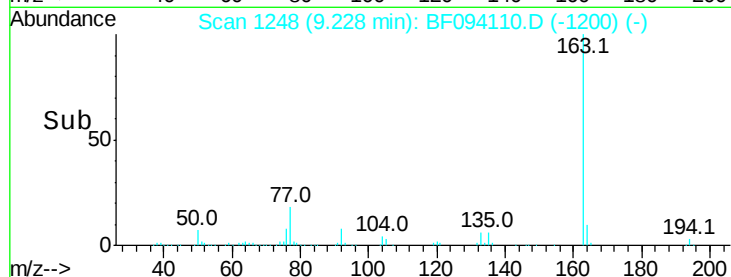
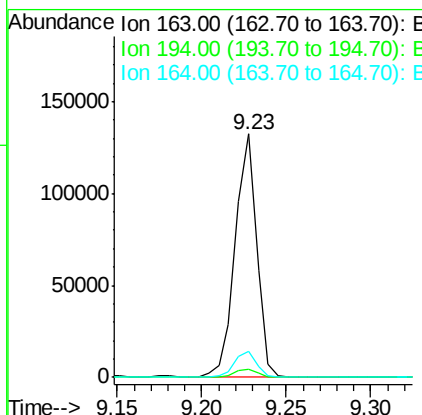
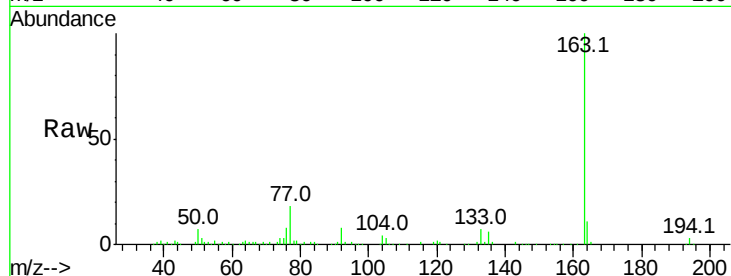




#49
Dimethylphthalate
Concen: 5.36 ng
RT: 9.23 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

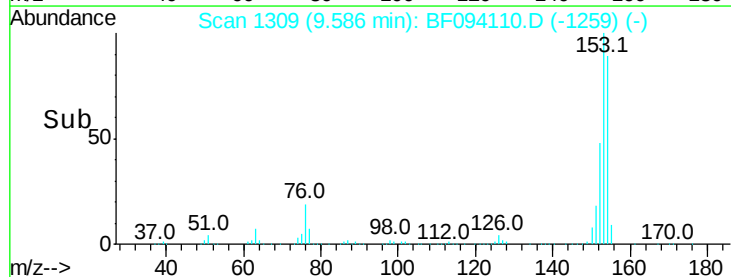
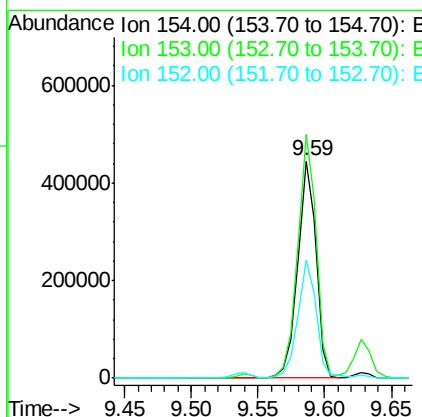
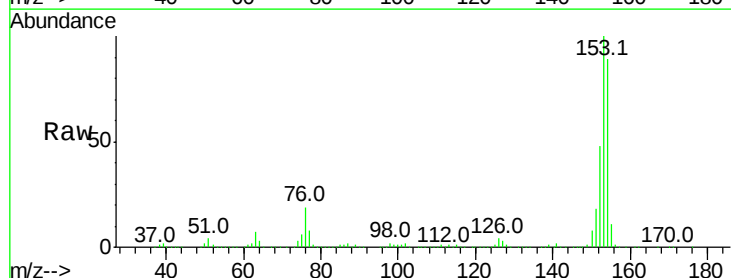
Instrument :
BNA_F
ClientSampleId :

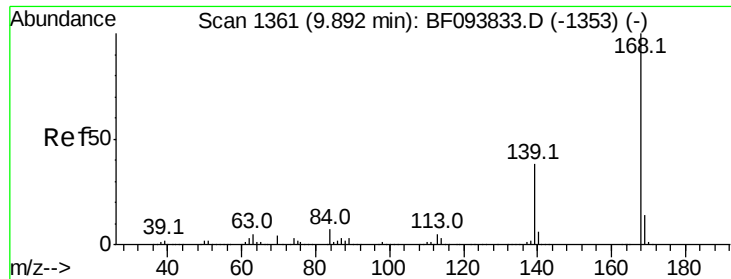
Tot Ion:163 Resp: 117392
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.7 8.4 12.6



#51
Acenaphthene
Concen: 22.54 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:154 Resp: 424981
Ion Ratio Lower Upper
154 100
153 112.4 90.5 135.7
152 54.4 43.6 65.4

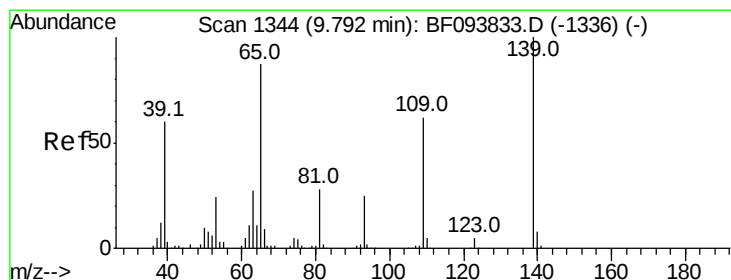
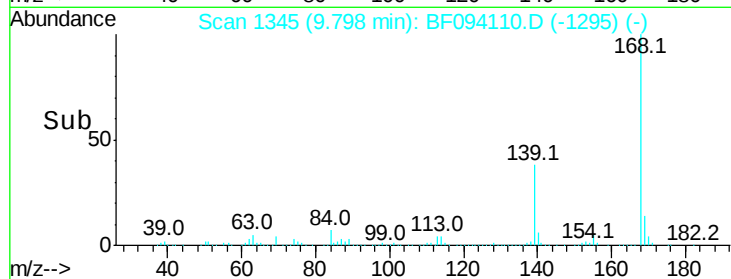
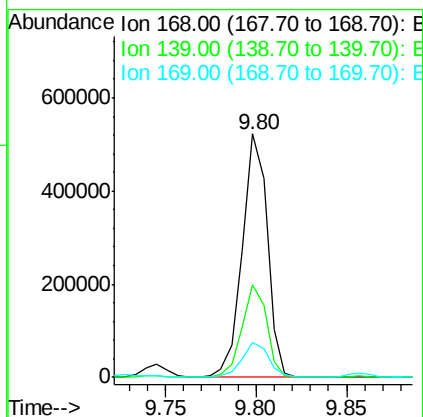
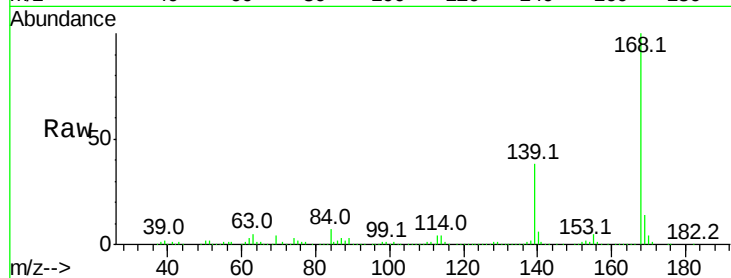




#54
Dibenzofuran
Concen: 19.57 ng
RT: 9.80 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

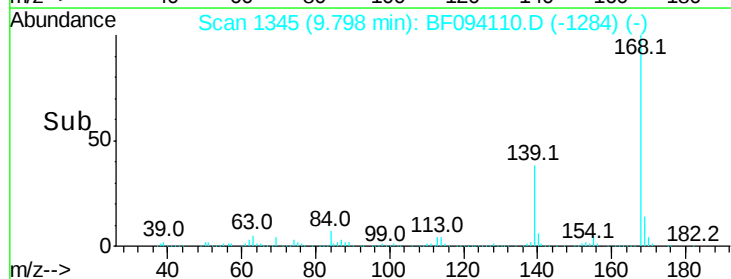
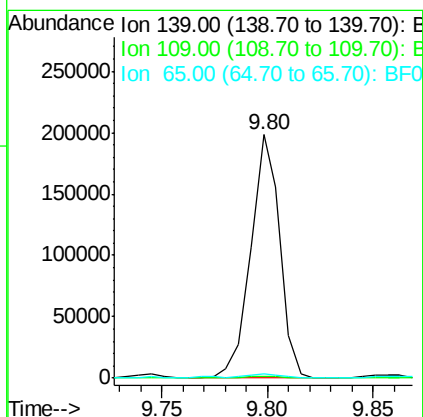
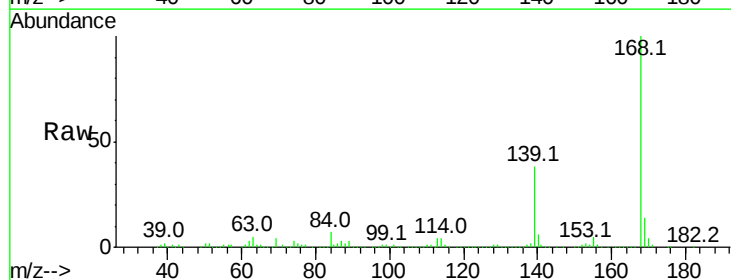
Instrument :
BNA_F
ClientSampleId :

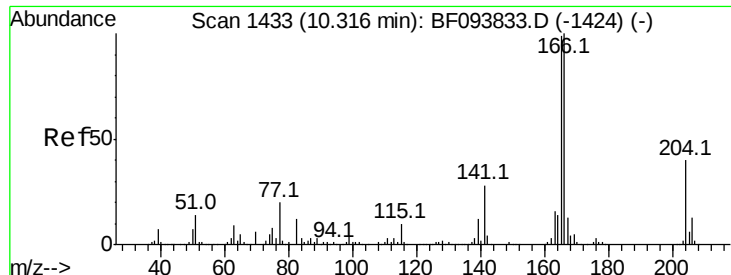
Tot Ion:168 Resp: 502280
Ion Ratio Lower Upper
168 100
139 38.0 30.6 45.8
169 14.2 10.8 16.2



#55
4-Nitrophenol
Concen: 40.80 ng
RT: 9.80 min Scan# 1345
Delta R.T. 0.06 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:139 Resp: 188257
Ion Ratio Lower Upper
139 100
109 0.8 34.1 74.1#
65 1.6 31.4 71.4#

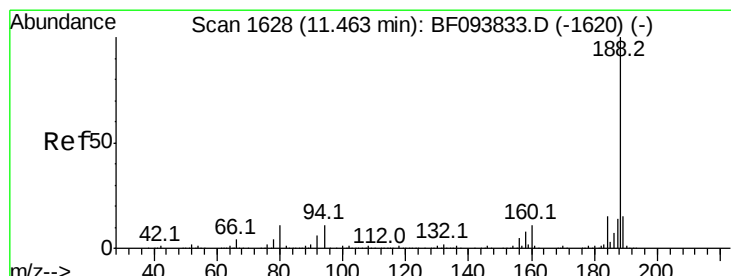
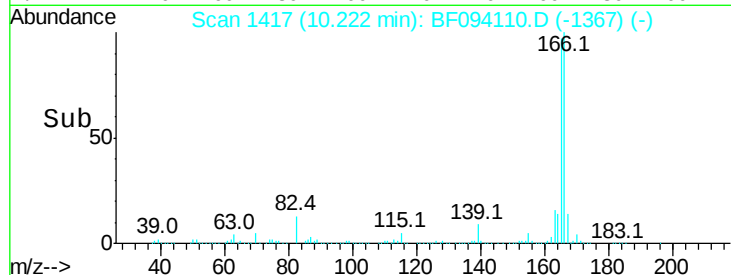
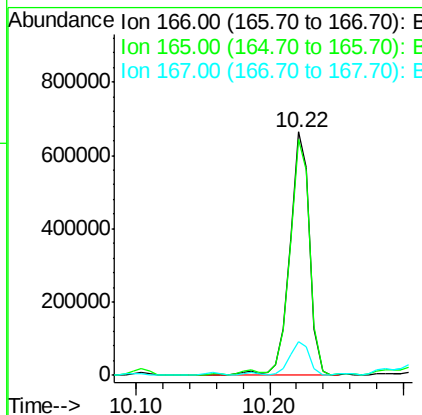
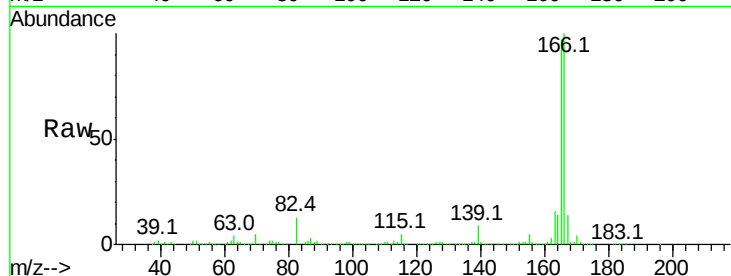




#57
Fluorene
 Concen: 32.29 ng
 RT: 10.22 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF094110.D
 Acq: 31 Mar 2017 21:43

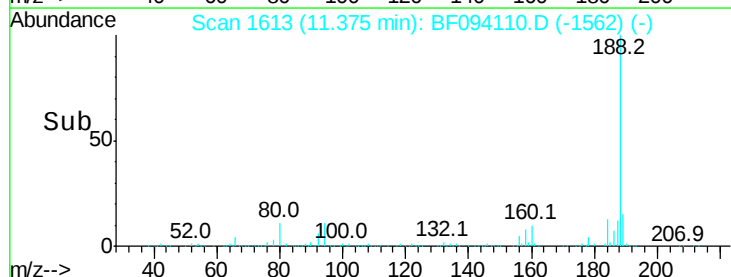
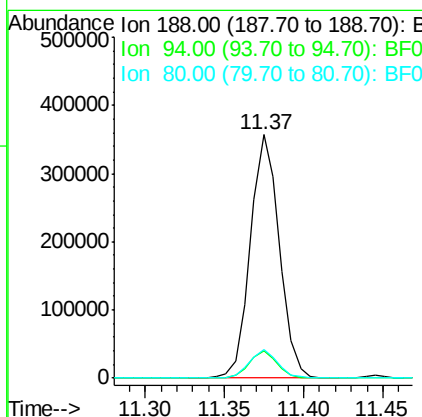
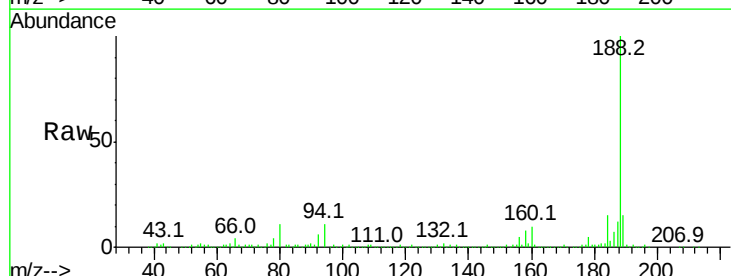
Instrument :
 BNA_F
 ClientSampled :

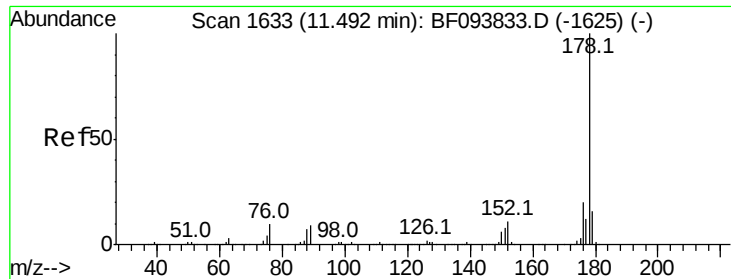
Tot Ion:166 Resp: 687183
 Ion Ratio Lower Upper
 166 100
 165 96.8 78.8 118.2
 167 13.6 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: BF094110.D
 Acq: 31 Mar 2017 21:43

Tgt Ion:188 Resp: 453952
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.4 14.2
 80 11.5 10.2 15.2





#70

Phenanthrene

Concen: 126.12 ng

RT: 11.42 min Scan# 1620

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampled :

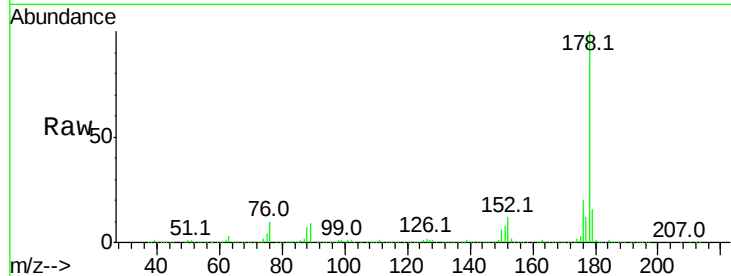
Tot Ion:178 Resp: 3184788

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

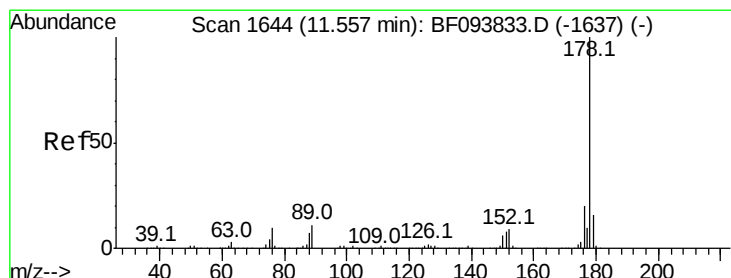
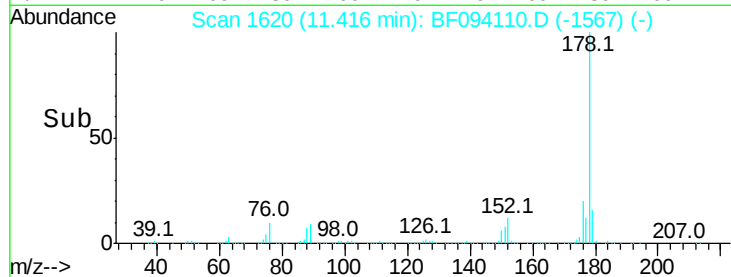
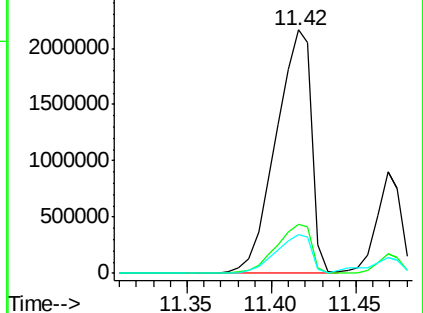
179 16.1 12.6 19.0



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



#71

Anthracene

Concen: 34.43 ng

RT: 11.47 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

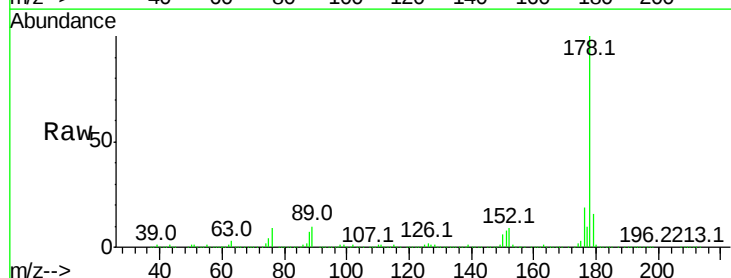
Tgt Ion:178 Resp: 895236

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

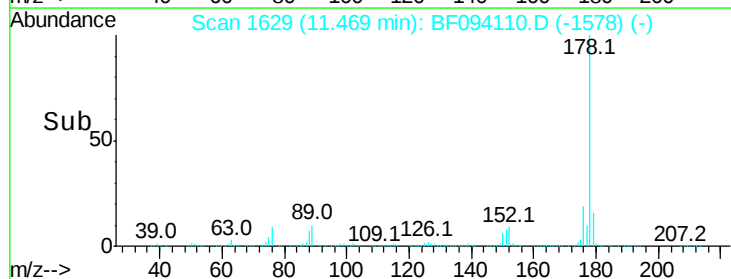
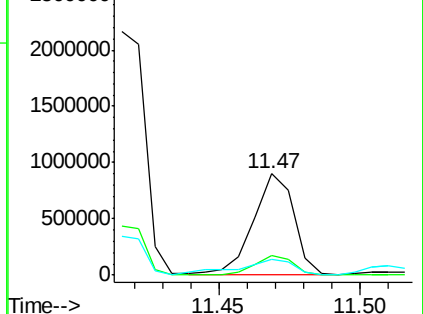
179 16.0 12.7 19.1

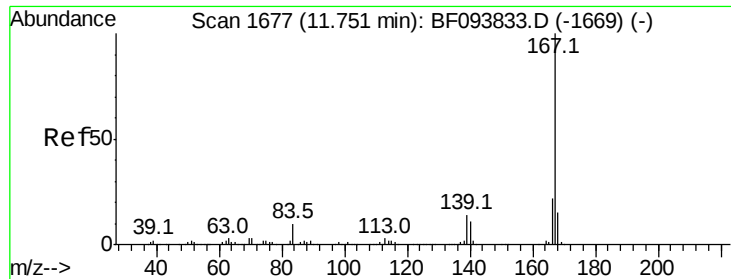


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 30.12 ng

RT: 11.67 min Scan# 1664

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampled :

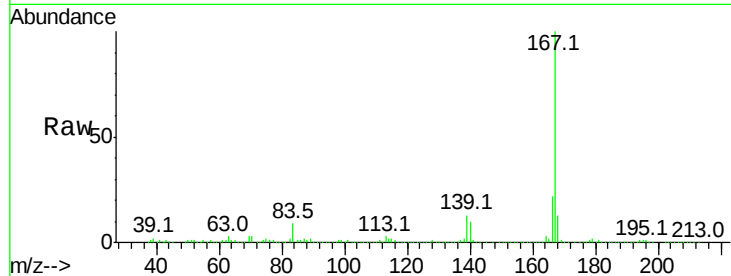
Tot Ion:167 Resp: 803130

Ion Ratio Lower Upper

167 100

166 22.4 18.1 27.1

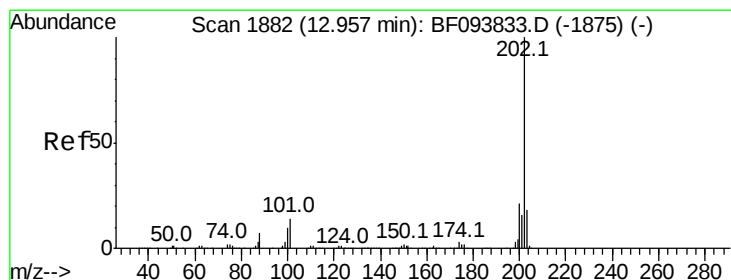
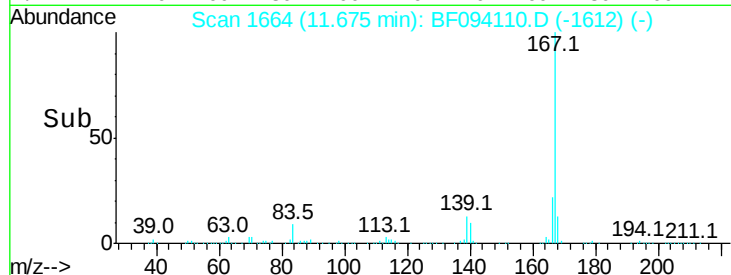
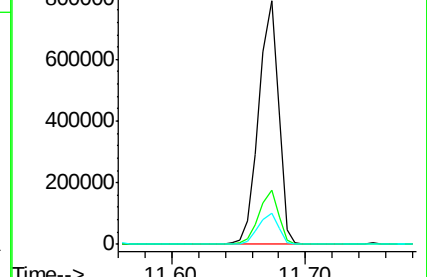
139 13.0 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 83.73 ng

RT: 12.88 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

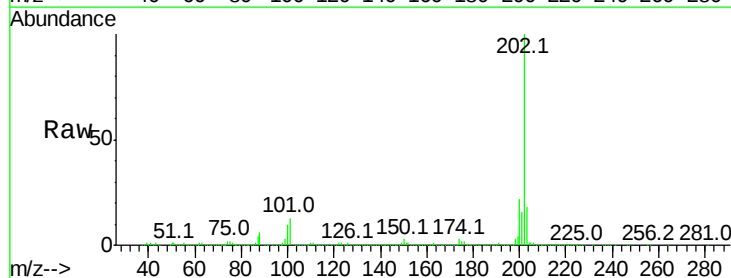
Tgt Ion:202 Resp: 2165009

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

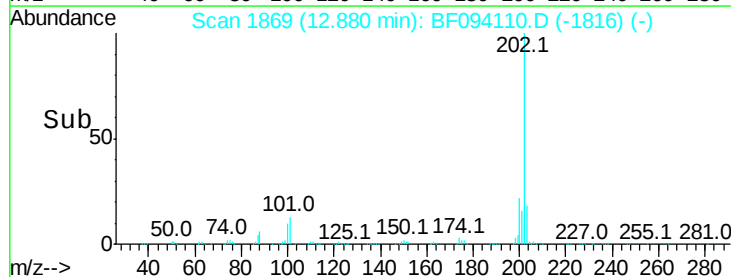
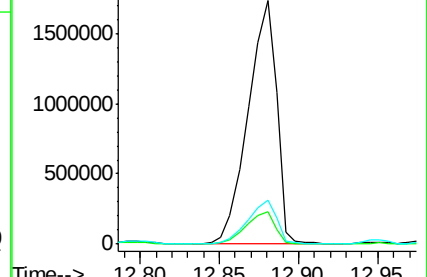
203 18.1 0.0 38.1

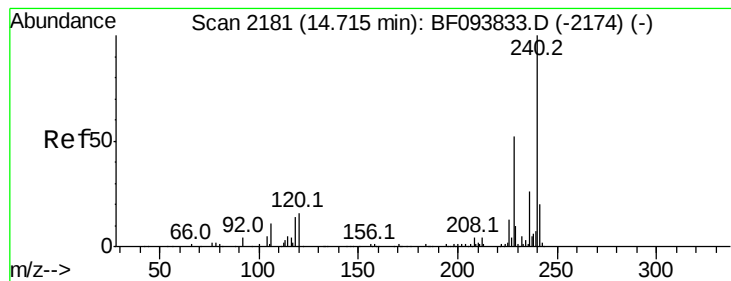


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.63 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

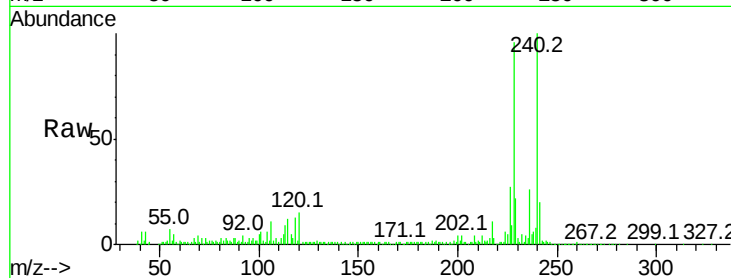
Tot Ion:240 Resp: 305220

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

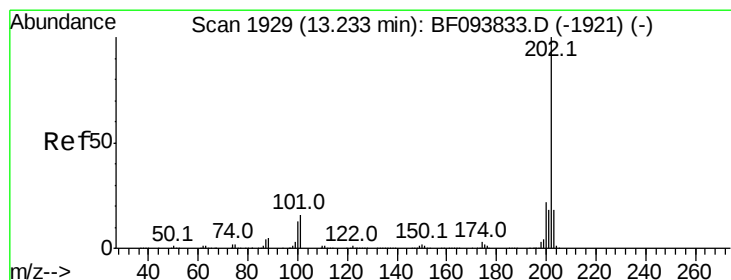
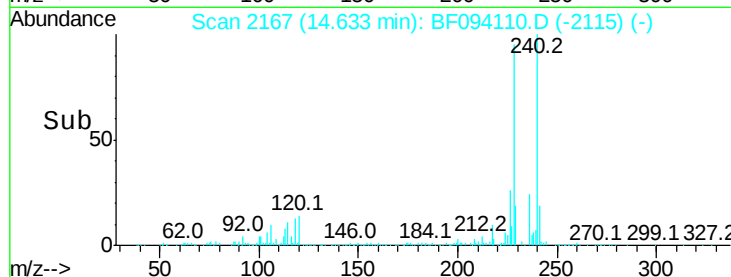
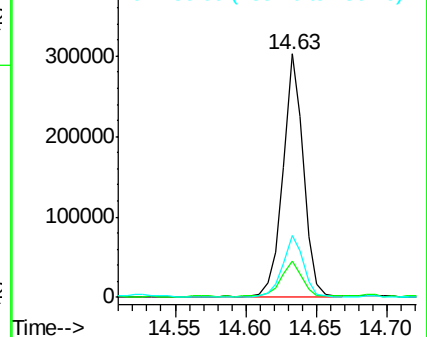
236 25.5 20.5 30.7



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: 94.04 ng

RT: 13.16 min Scan# 1916

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

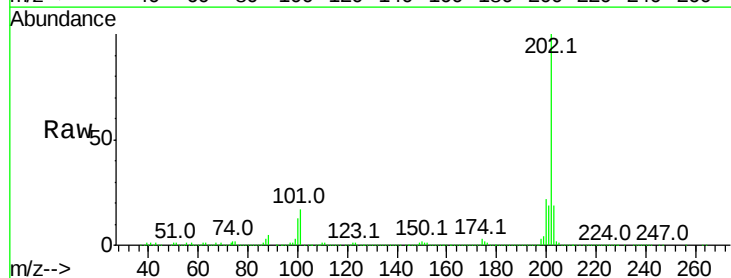
Tgt Ion:202 Resp: 2083037

Ion Ratio Lower Upper

202 100

200 22.2 17.6 26.4

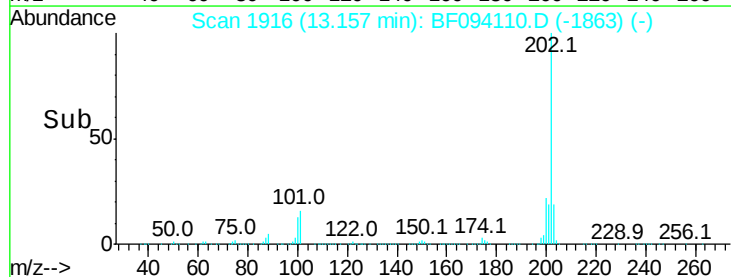
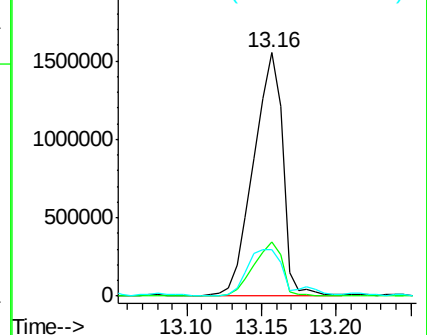
203 19.0 14.4 21.6

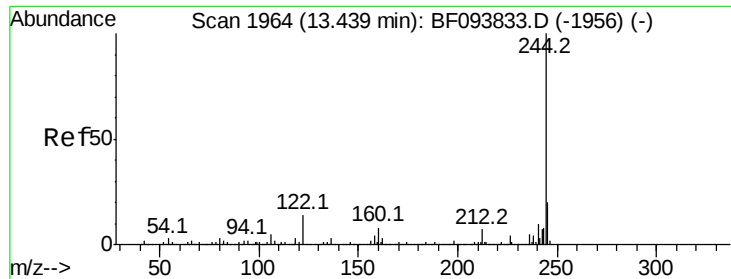


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.34 ng

RT: 13.36 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

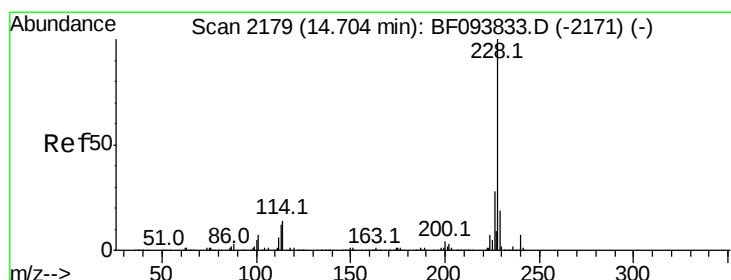
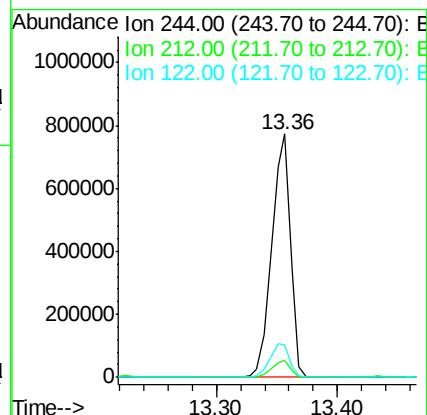
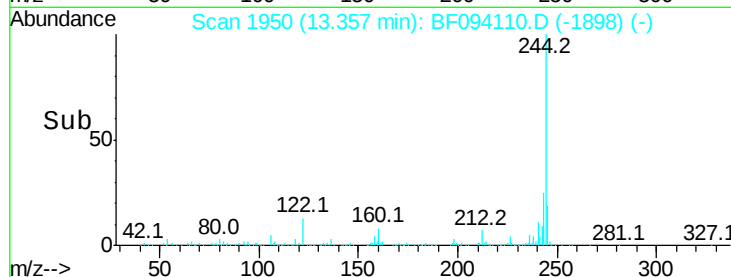
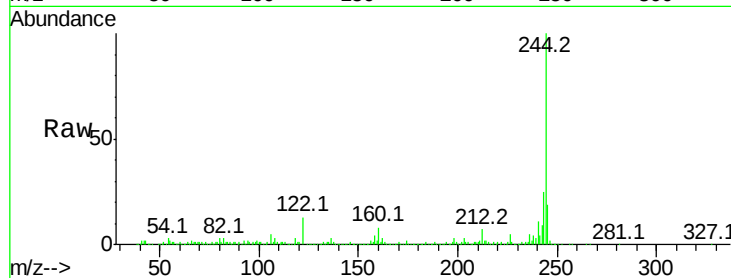
Tot Ion:244 Resp: 835192

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 13.2 10.3 15.5



#80

Benzo(a)anthracene

Concen: 51.88 ng

RT: 14.62 min Scan# 2165

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

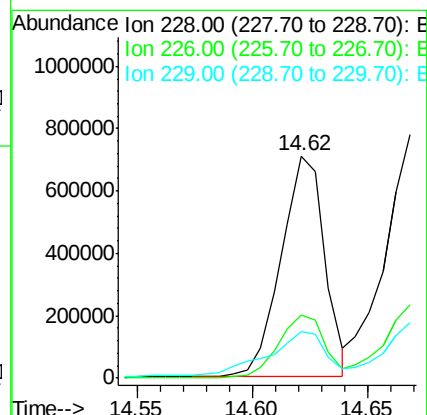
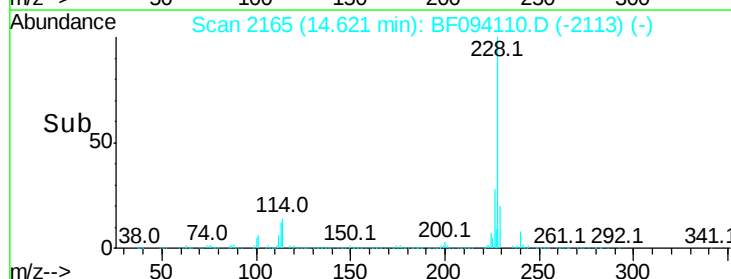
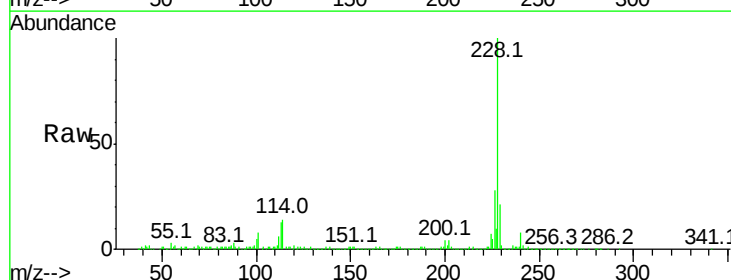
Tgt Ion:228 Resp: 923379

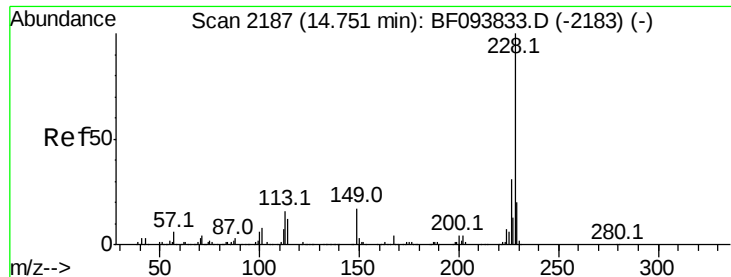
Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

229 20.8 16.3 24.5





#82

Chrysene

Concen: 55.31 ng

RT: 14.67 min Scan# 2173

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampled :

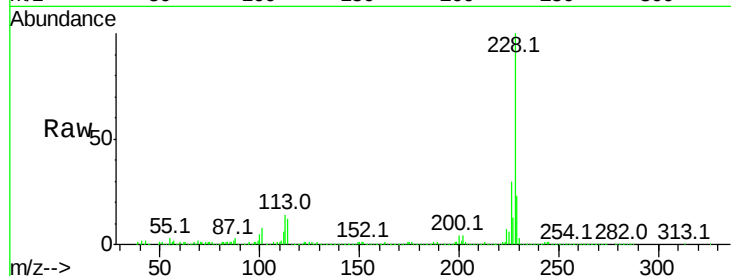
Tot Ion:228 Resp: 913555

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

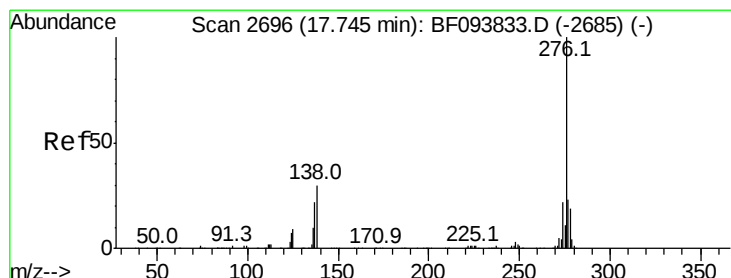
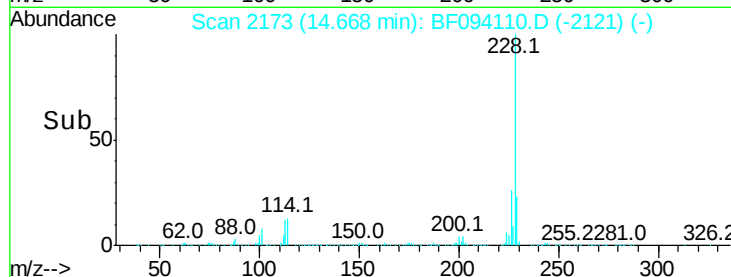
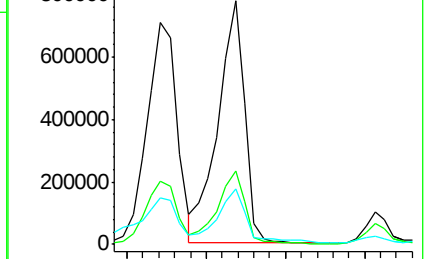
229 23.0 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 25.38 ng

RT: 17.62 min Scan# 2674

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

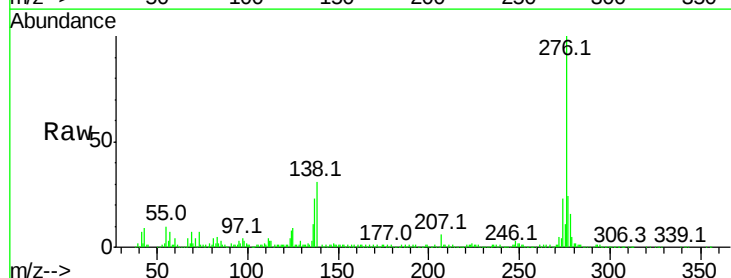
Tgt Ion:276 Resp: 363072

Ion Ratio Lower Upper

276 100

138 29.8 27.8 41.6

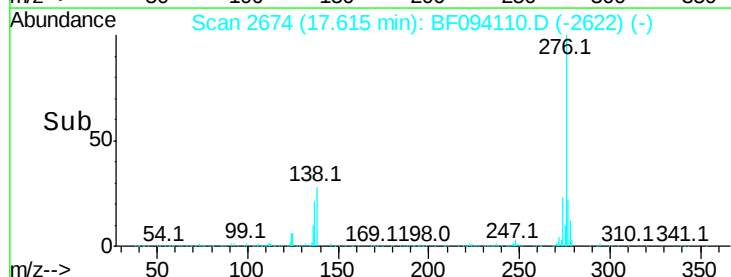
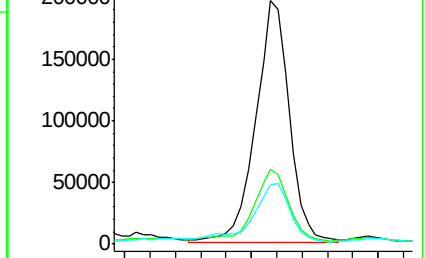
277 28.0 20.2 30.4

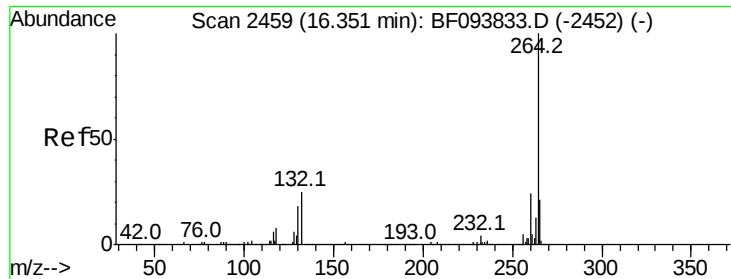


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.26 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

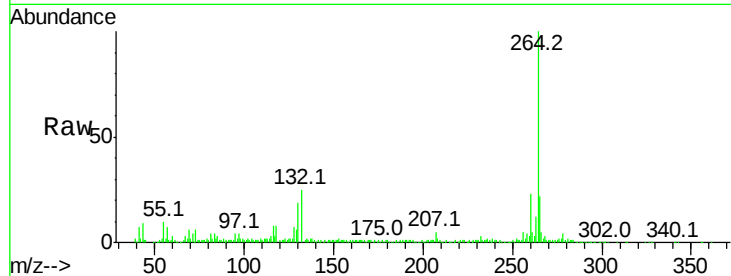
Tot Ion:264 Resp: 300846

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

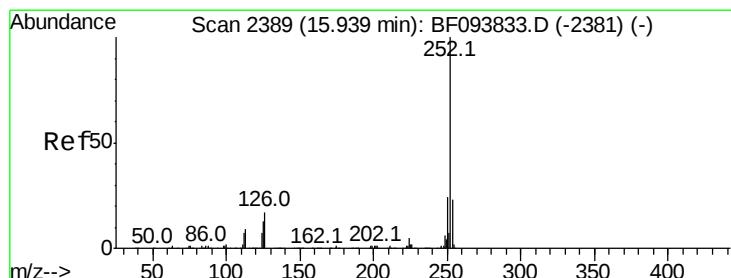
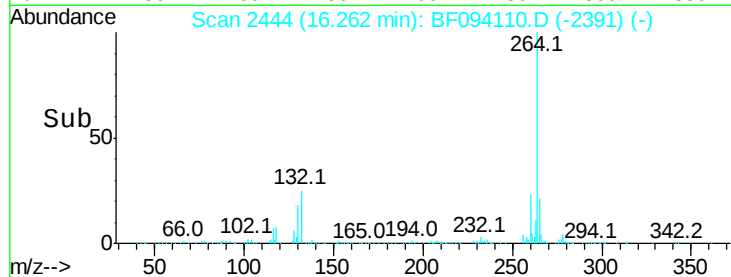
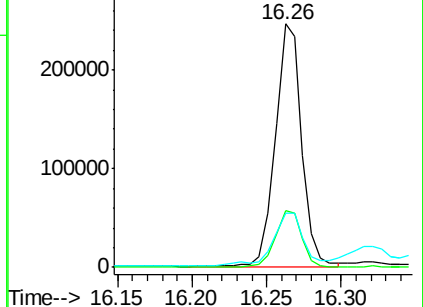
265 22.0 17.2 25.8



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: 69.07 ng

RT: 15.86 min Scan# 2376

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

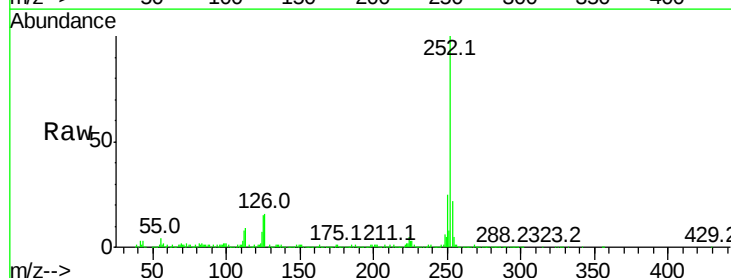
Tgt Ion:252 Resp: 1273677

Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

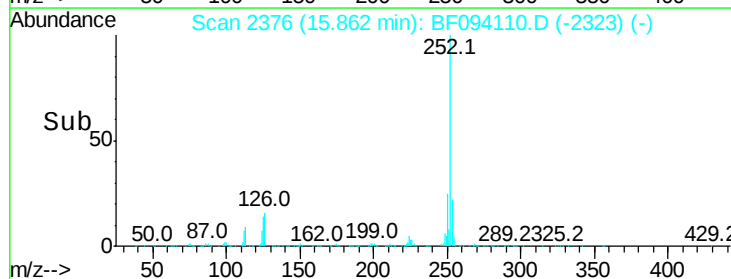
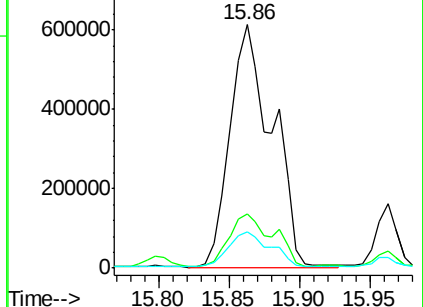
125 14.9 9.8 14.8#

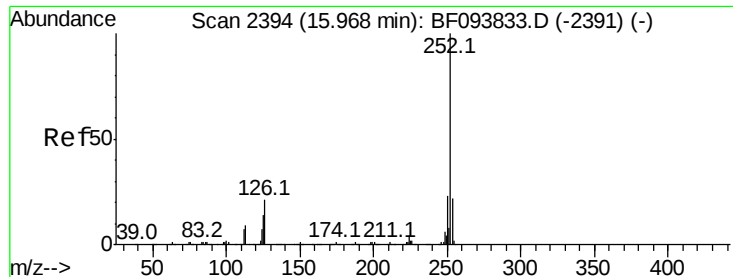


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

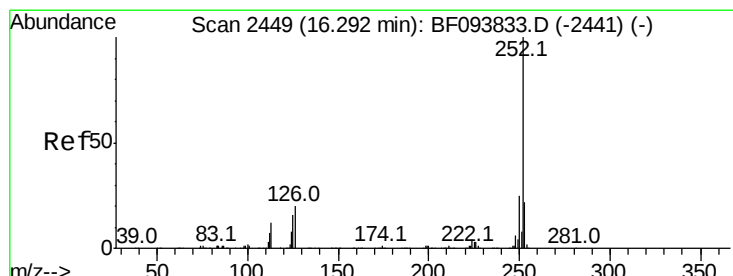
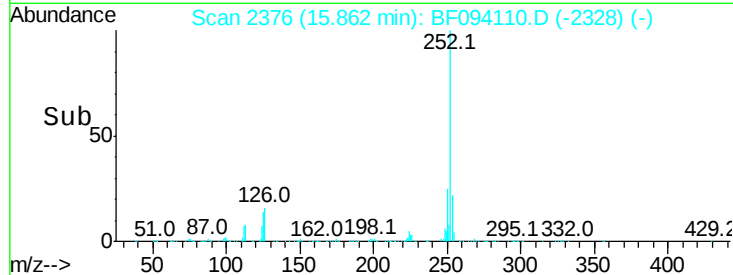
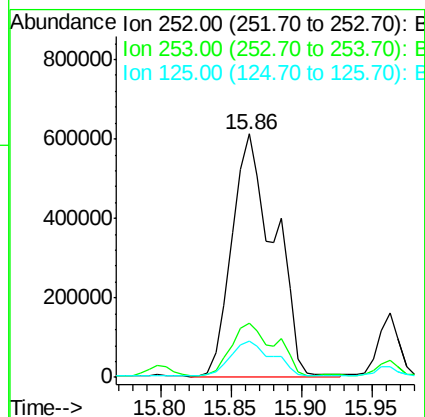
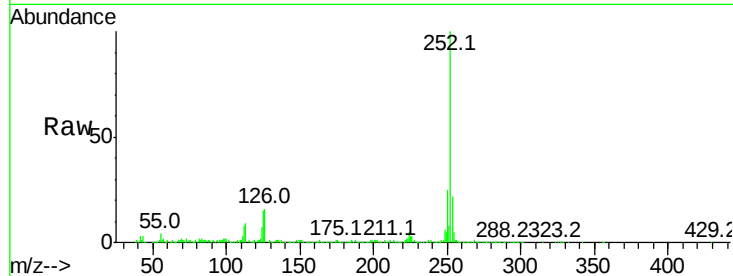




#88
Benzo(k)fluoranthene
Concen: 70.59 ng
RT: 15.86 min Scan# 2376
Delta R.T. -0.02 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

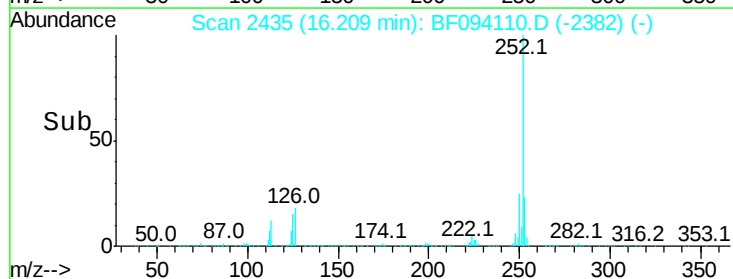
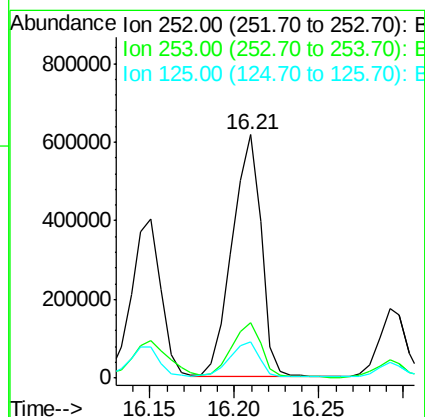
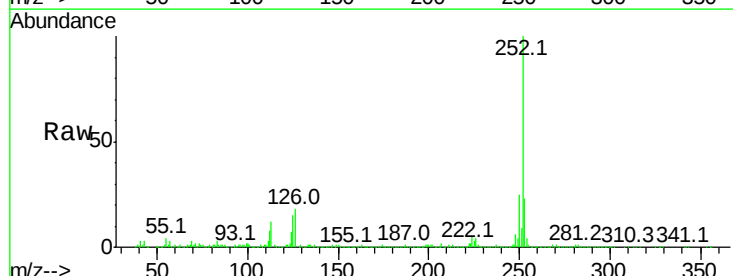
Instrument :
BNA_F
ClientSampleId :

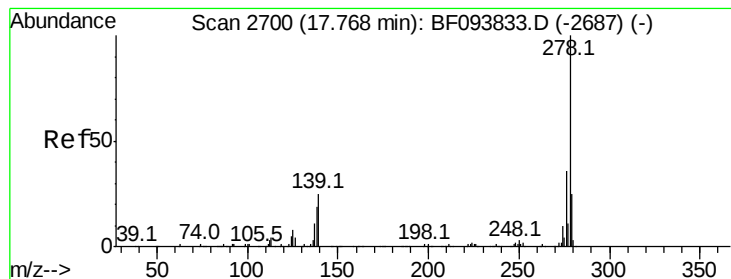
Tot Ion:252 Resp: 1273677
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 14.9 13.1 19.7



#89
Benzo(a)pyrene
Concen: 43.76 ng
RT: 16.21 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:252 Resp: 743121
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 15.0 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 5.65 ng

RT: 17.77 min Scan# 2701

Delta R.T. 0.14 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampled :

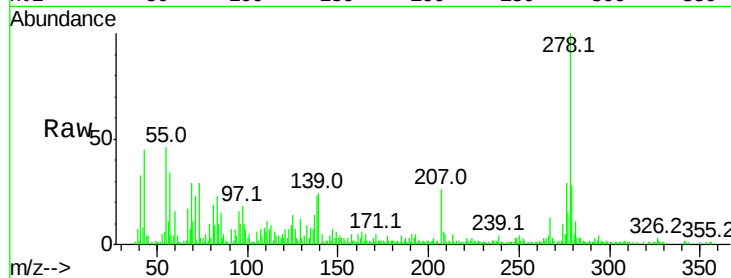
Tot Ion:278 Resp: 81266

Ion Ratio Lower Upper

278 100

139 24.2 16.6 24.8

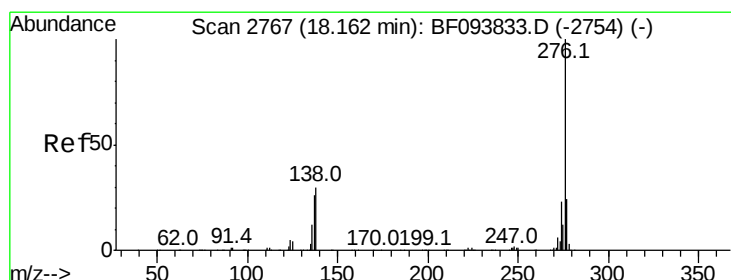
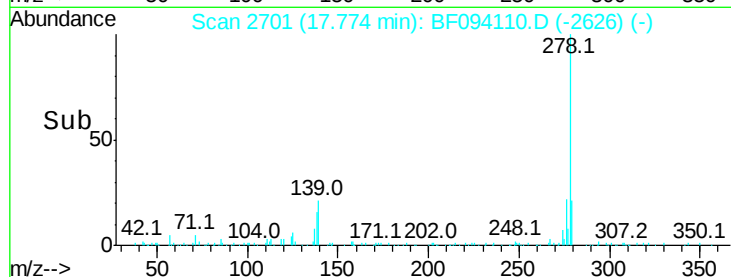
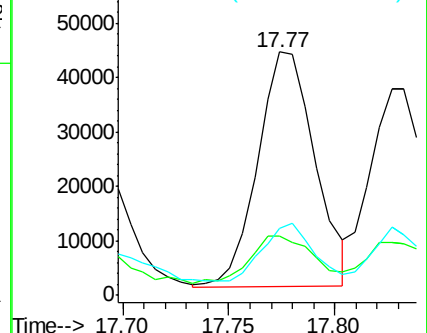
279 27.7 19.3 28.9



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: 22.68 ng

RT: 18.02 min Scan# 2742

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

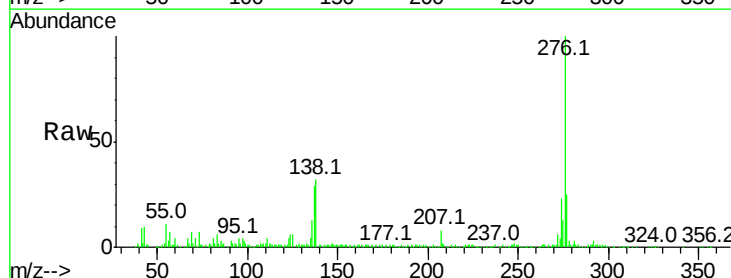
Tgt Ion:276 Resp: 328747

Ion Ratio Lower Upper

276 100

277 25.3 18.6 28.0

138 31.7 25.4 38.0



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

