

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098876.D
 Acq On : 27 Sep 2017 21:31
 Operator : SJ/JU
 Sample : I5423-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:54:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	138275	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	579981	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	251209	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	401247	20.00	ng	0.00
75) Chrysene-d12	14.08	240	302411	20.00	ng	0.00
86) Perylene-d12	15.57	264	240187	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	804532	92.62	ng	0.00
7) Phenol-d6	6.54	99	1005150	93.80	ng	0.00
23) Nitrobenzene-d5	7.47	82	590234	65.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	178578	86.88	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	991046	65.86	ng	-0.01
78) Terphenyl-d14	13.03	244	754749	56.76	ng	0.00

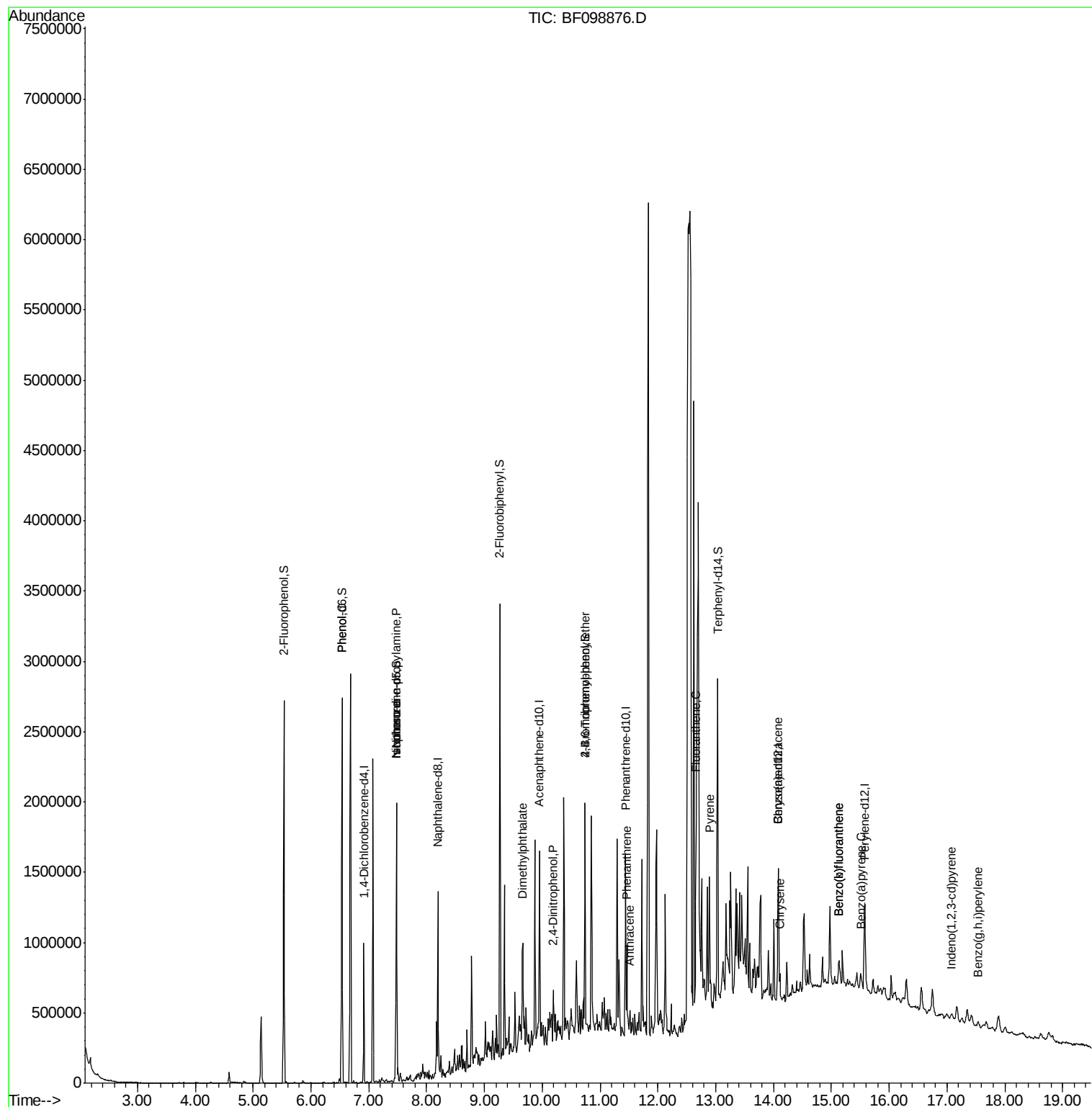
Target Compounds				Qvalue		
10) Phenol	6.55	94	32693	2.73	ng	82
19) n-Nitroso-di-n-propylamine	7.47	70	78714	11.51	ng	# 78
25) Isophorone	7.47	82	586510	31.37	ng	# 64
49) Dimethylphthalate	9.66	163	155688	8.21	ng	99
53) 2,4-Dinitrophenol	10.20	184	106	5.87	ng	# 1
66) 4-Bromophenyl-phenylether	10.74	248	12286	3.13	ng	# 1
70) Phenanthrene	11.46	178	190010	8.85	ng	98
71) Anthracene	11.52	178	48569	2.21	ng	98
74) Fluoranthene	12.66	202	178471	8.21	ng	100
77) Pyrene	12.89	202	198357	8.60	ng	99
80) Benzo(a)anthracene	14.07	228	68613	3.75	ng	94
82) Chrysene	14.11	228	67979	3.90	ng	97
85) Indeno(1,2,3-cd)pyrene	17.08	276	30015	2.15	ng	96
87) Benzo(b)fluoranthene	15.13	252	113526	7.69	ng	# 85
88) Benzo(k)fluoranthene	15.13	252	113526	7.78	ng	# 88
89) Benzo(a)pyrene	15.51	252	62066	4.58	ng	# 86
91) Benzo(a,h,i)perylene	17.54	276	32499	3.03	ng	# 85

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

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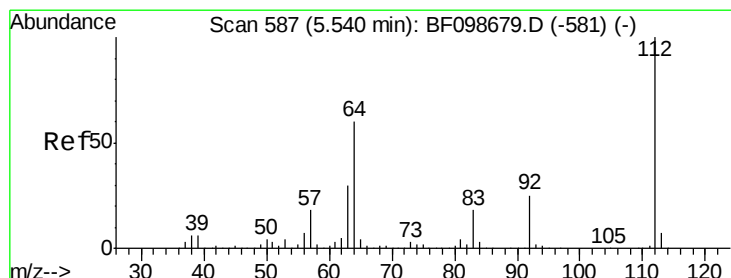
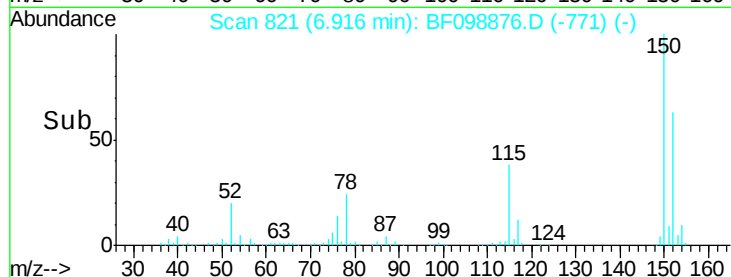
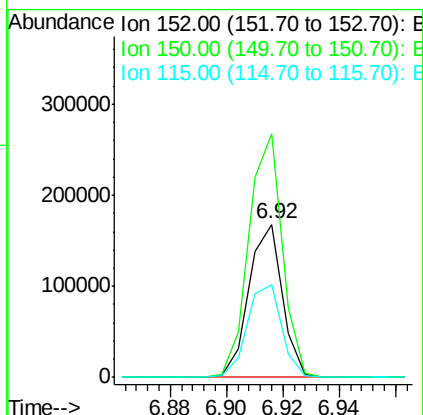
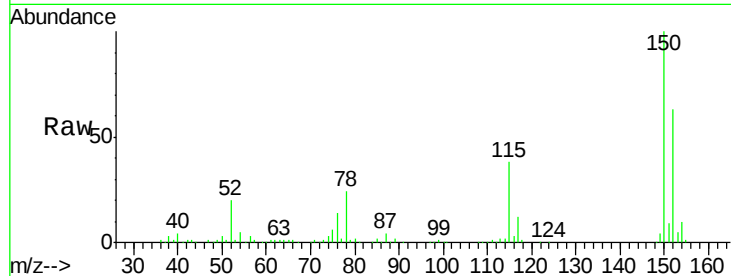


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :

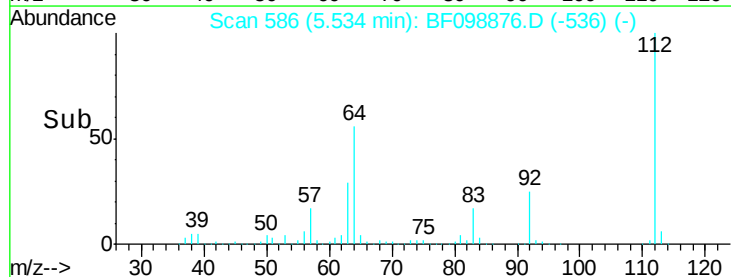
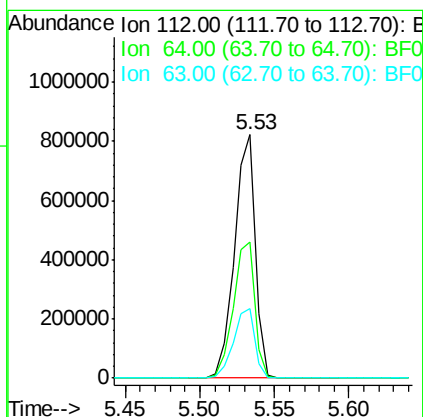
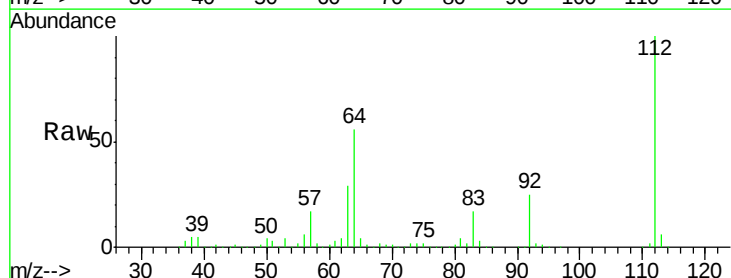
Tot Ion:152 Resp: 138275
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 60.4 50.1 75.1

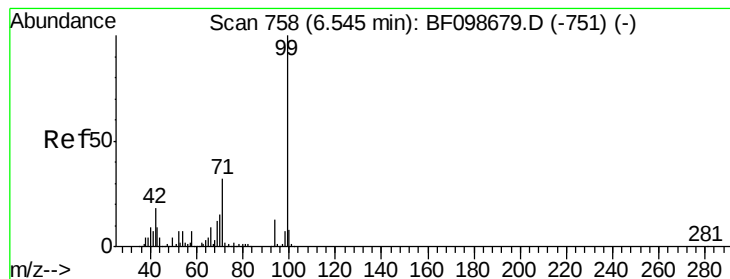


#5

2-Fluorophenol
Concen: 92.62 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Tgt Ion:112 Resp: 804532
Ion Ratio Lower Upper
112 100
64 55.8 47.9 71.9
63 28.8 23.7 35.5





#7

Phenol-d6

Concen: 93.80 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

Instrument :

BNA_F

ClientSampled :

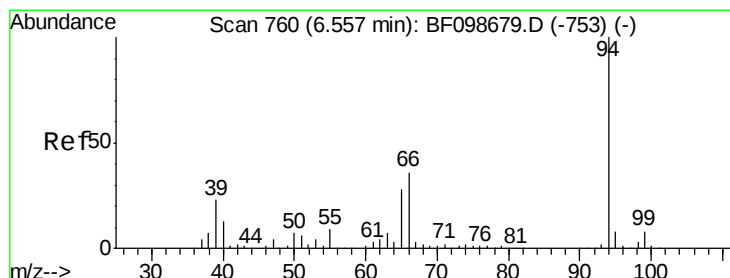
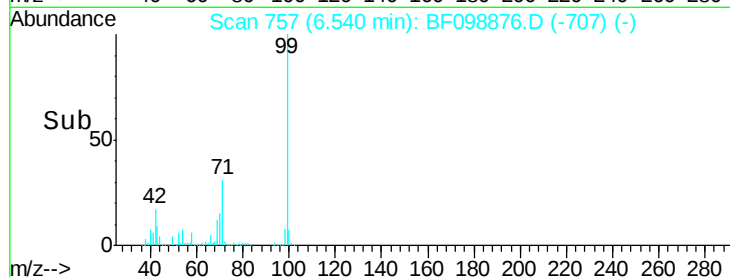
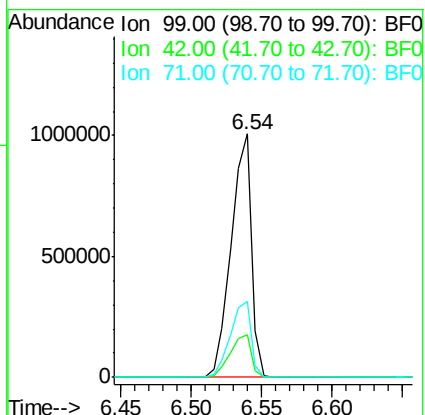
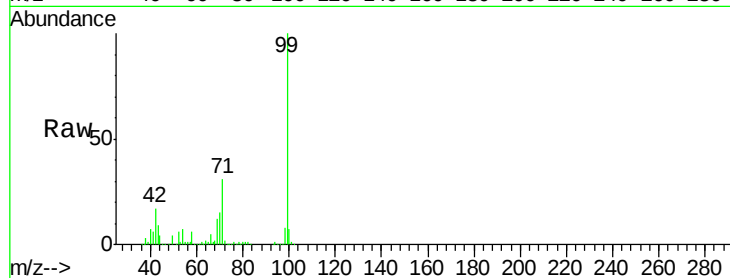
Tot Ion: 99 Resp: 1005150

Ion Ratio Lower Upper

99 100

42 17.3 14.5 21.7

71 31.3 25.4 38.0



#10

Phenol

Concen: 2.73 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

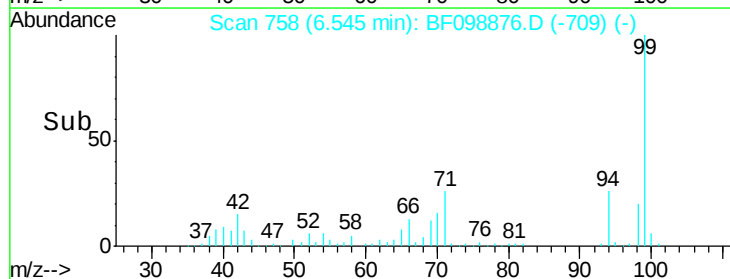
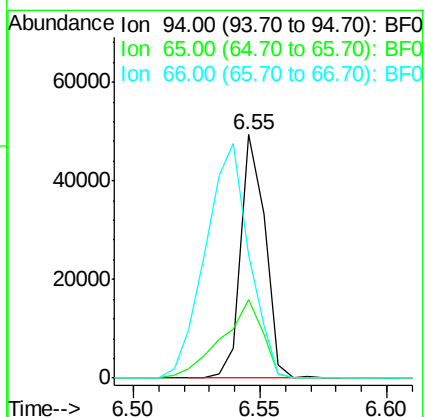
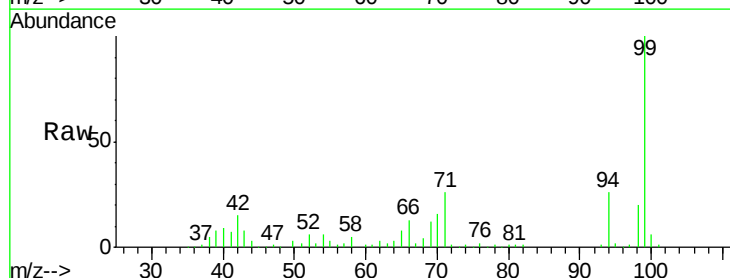
Tgt Ion: 94 Resp: 32693

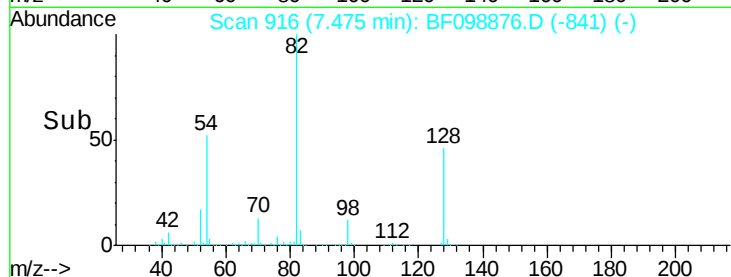
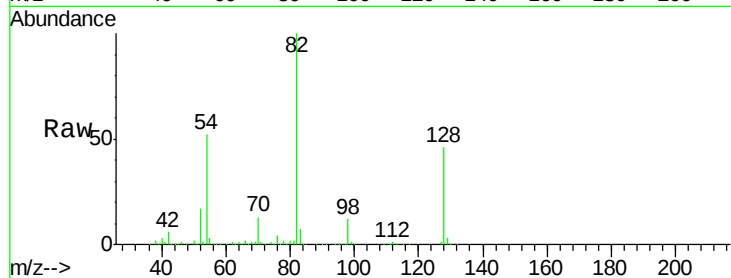
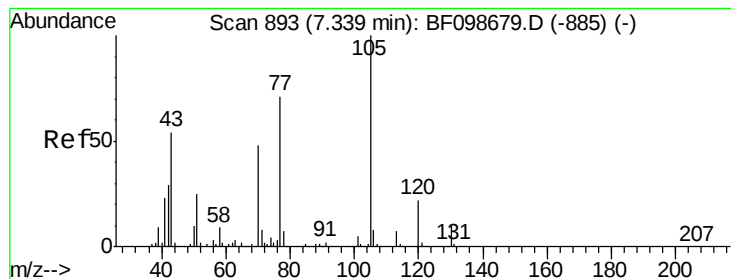
Ion Ratio Lower Upper

94 100

65 32.4 7.9 47.9

66 50.8 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 11.51 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098876.D

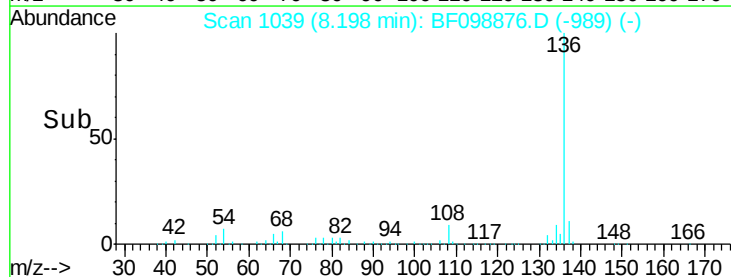
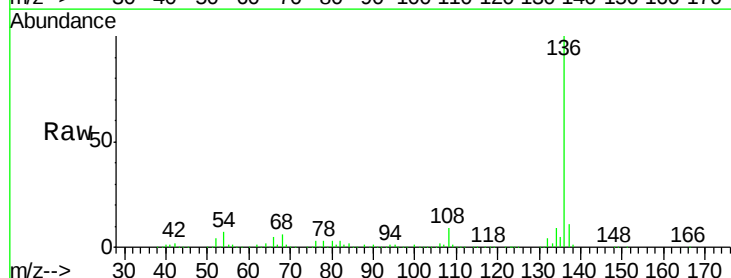
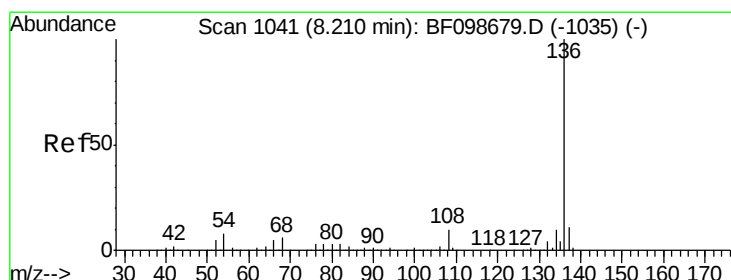
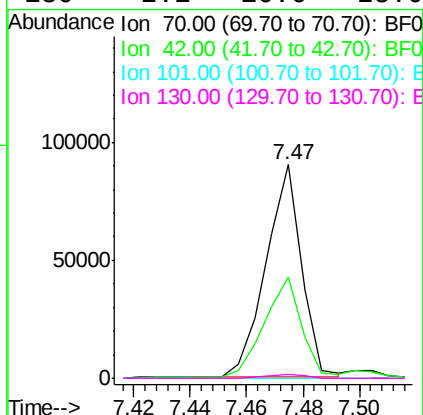
Acq: 27 Sep 2017 21:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	78714
Ion	Ratio	Lower	Upper
70	100		
42	47.6	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

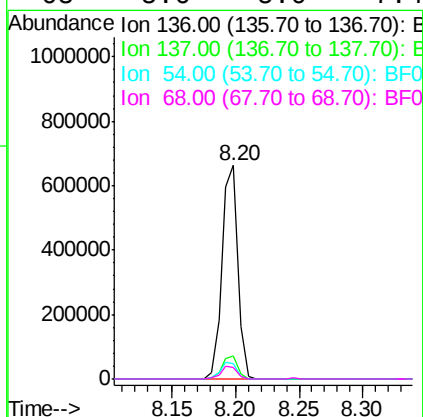
RT: 8.20 min Scan# 1039

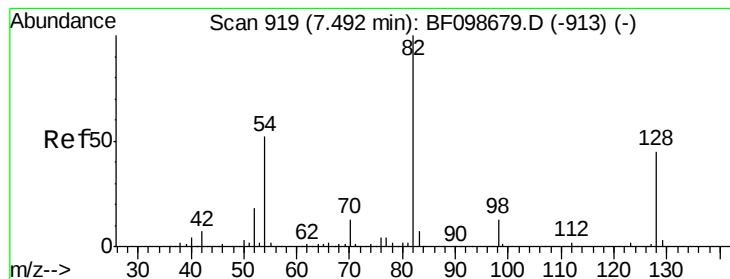
Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

Tgt Ion:	136	Resp:	579981
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.4	6.6	9.8
68	5.6	5.0	7.4





#23

Nitrobenzene-d5

Concen: 65.26 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

Instrument :

BNA_F

ClientSampled :

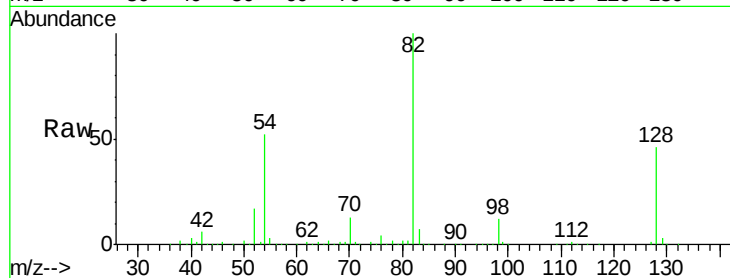
Tot Ion: 82 Resp: 590234

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

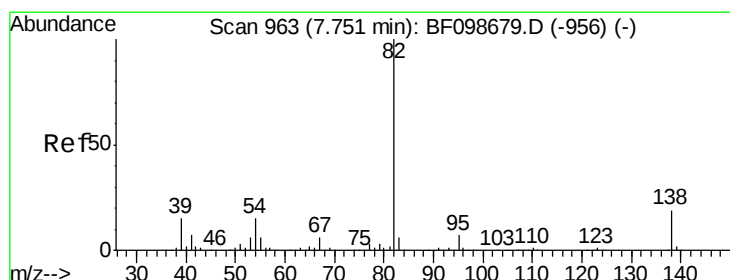
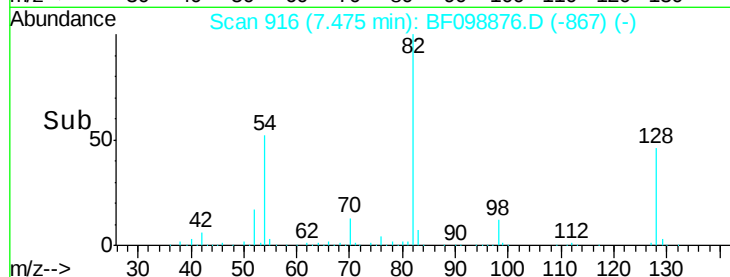
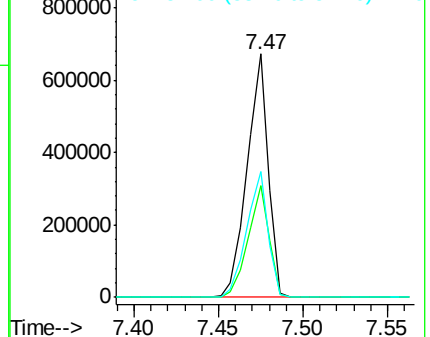
54 51.8 41.4 62.2



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



#25

Isophorone

Concen: 31.37 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

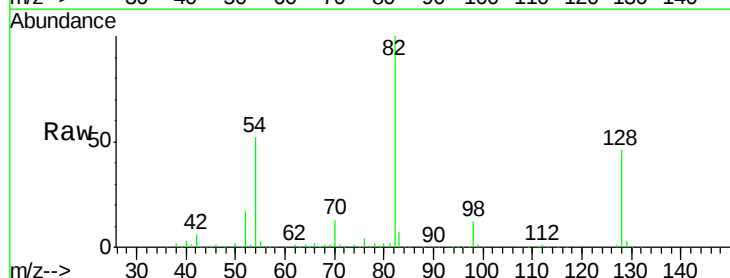
Tgt Ion: 82 Resp: 586510

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

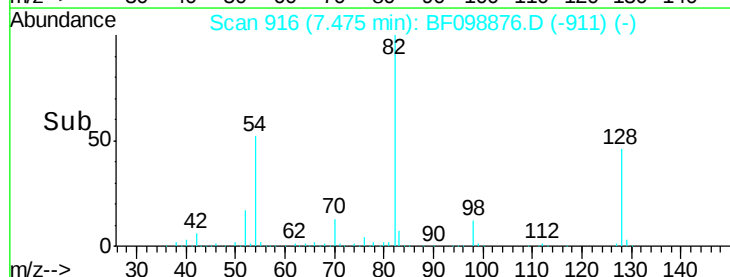
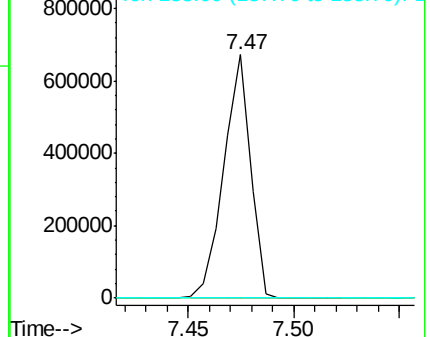
138 0.0 14.9 22.3#

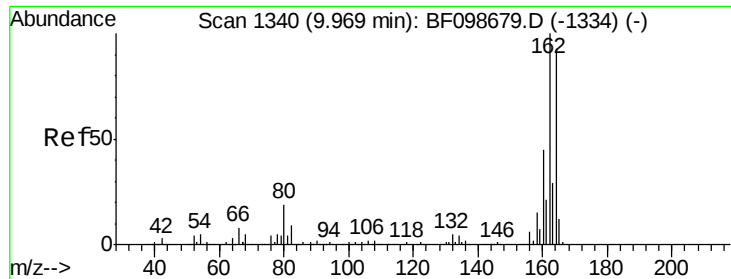


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

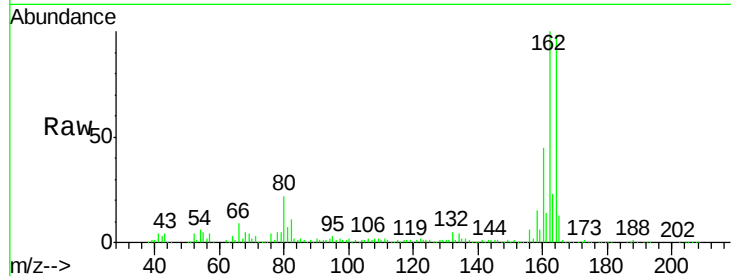




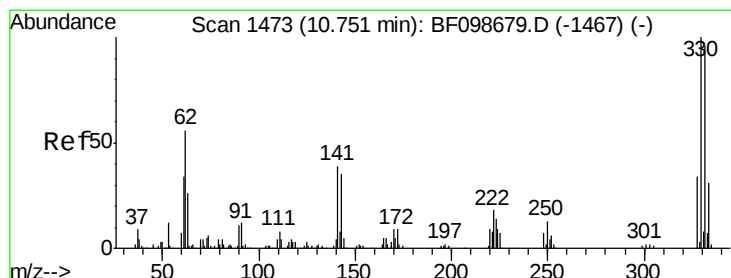
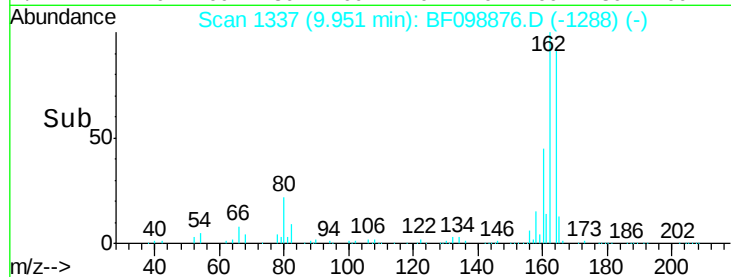
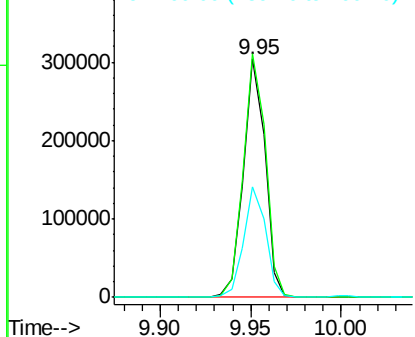
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098876.D
 Acq: 27 Sep 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 251209
 Ion Ratio Lower Upper
 164 100
 162 102.3 86.1 129.1
 160 46.4 38.3 57.5

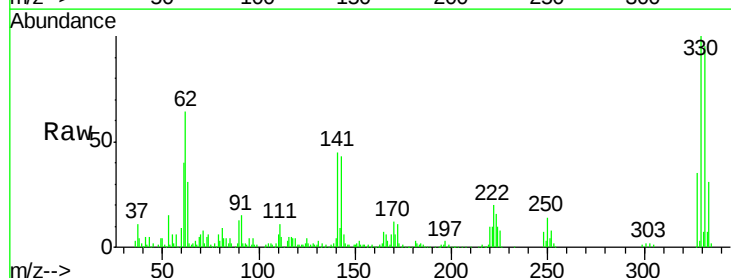


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

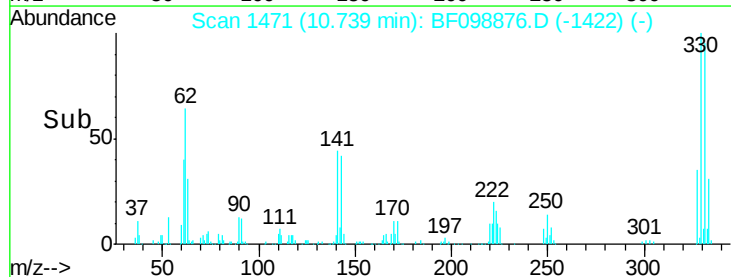
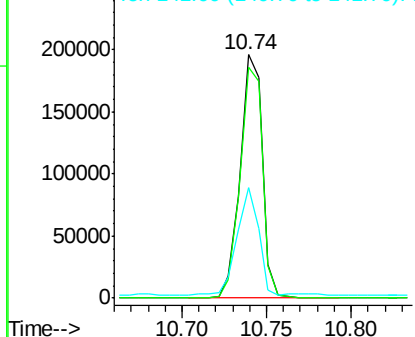


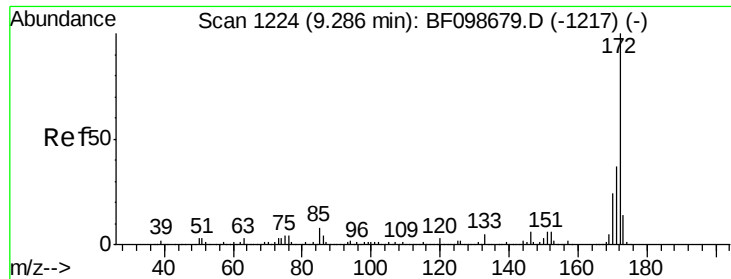
#41
 2,4,6-Tribromophenol
 Concen: 86.88 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098876.D
 Acq: 27 Sep 2017 21:31

Tgt Ion:330 Resp: 178578
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 43.9 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: 65.86 ng

RT: 9.27 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

Instrument :

BNA_F

ClientSampled :

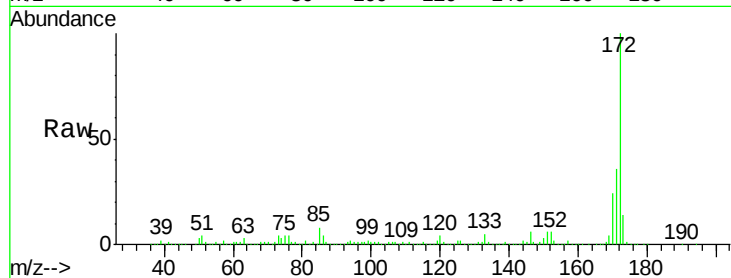
Tot Ion:172 Resp: 991046

Ion Ratio Lower Upper

172 100

171 36.1 29.7 44.5

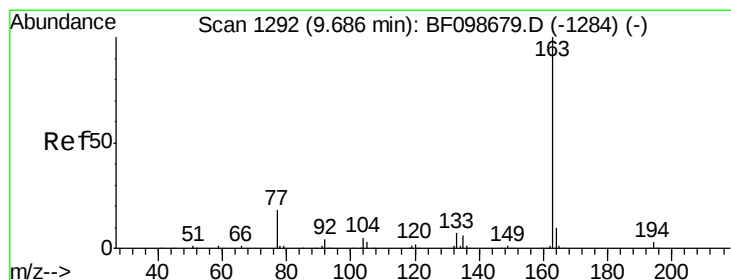
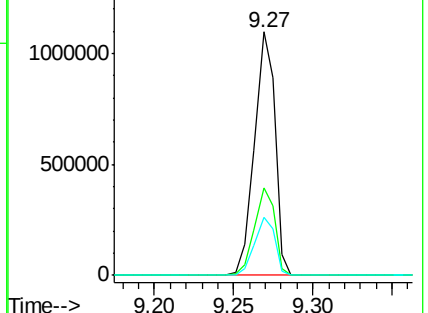
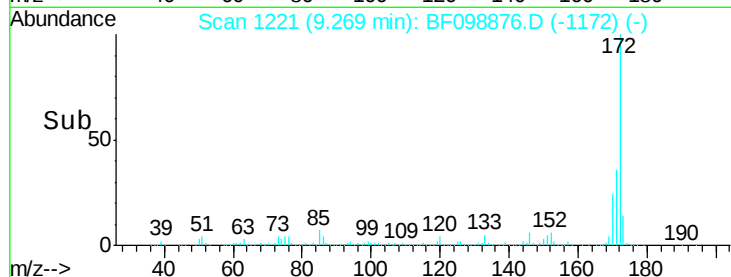
170 23.9 19.6 29.4



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: 8.21 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

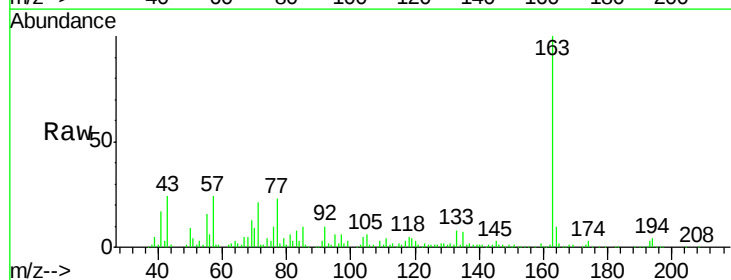
Tgt Ion:163 Resp: 155688

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

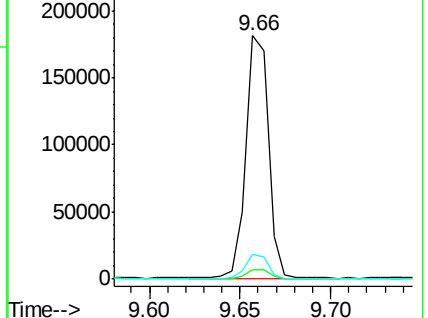
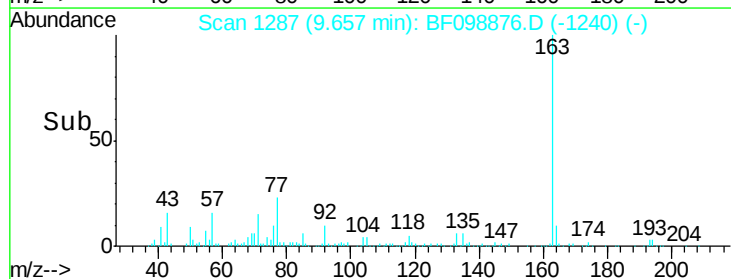
164 10.1 8.2 12.2

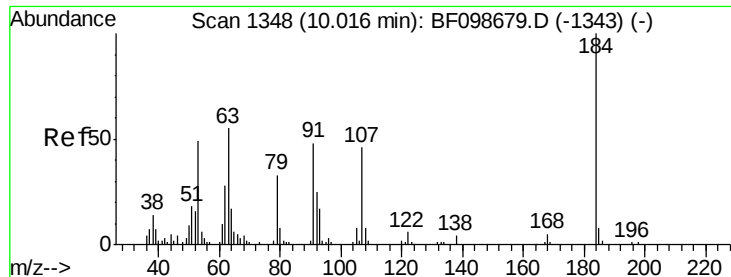


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

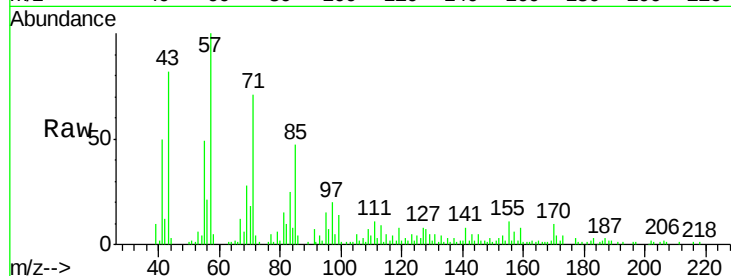




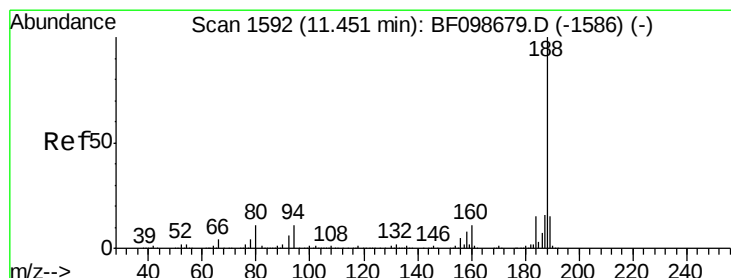
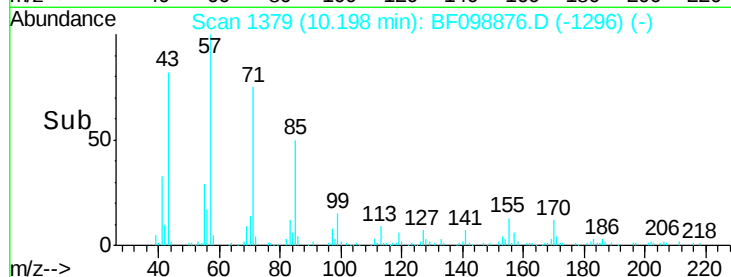
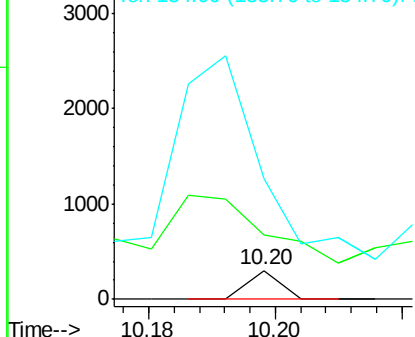
#53
2,4-Dinitrophenol
Concen: 5.87 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.19 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 106
Ion Ratio Lower Upper
184 100
63 224.7 54.2 81.2#
154 422.7 53.5 80.3#

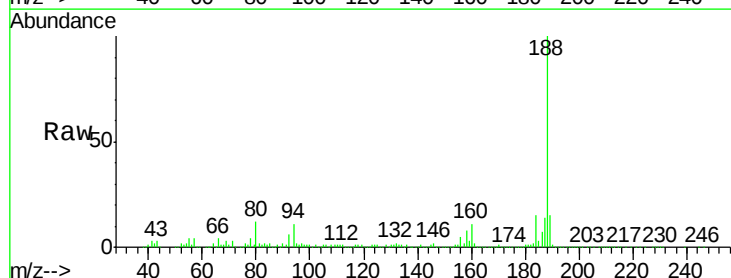


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

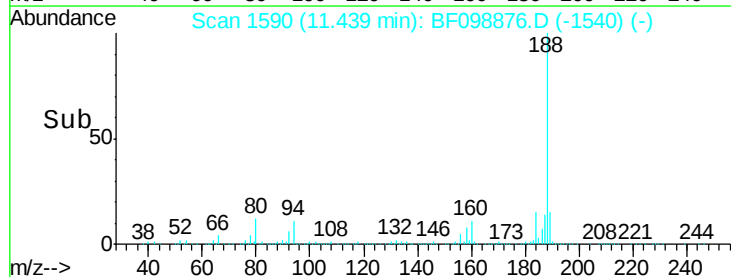
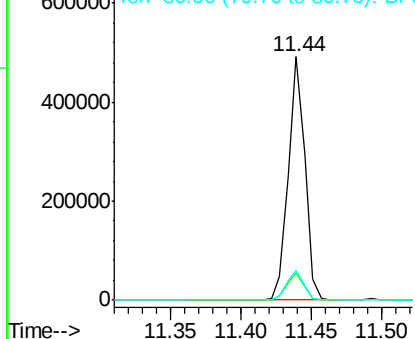


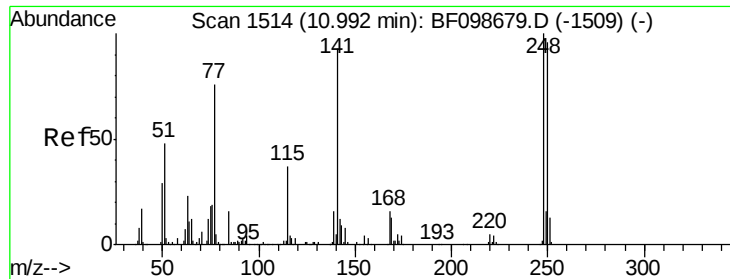
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Tgt Ion:188 Resp: 401247
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

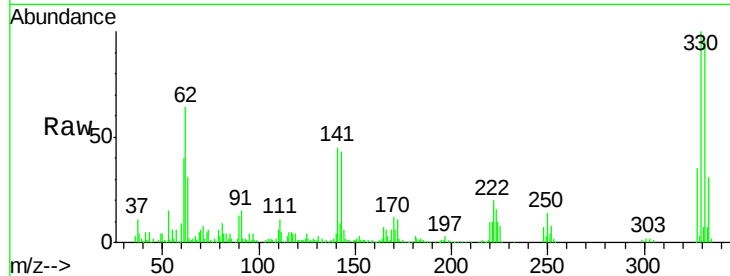




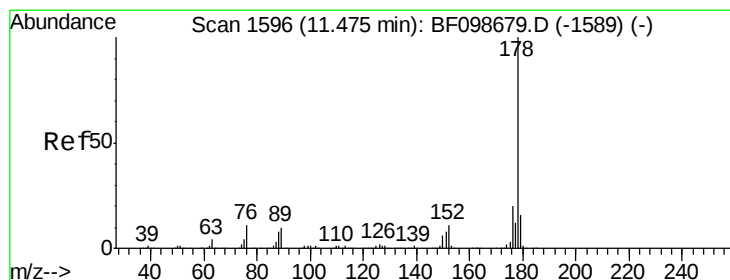
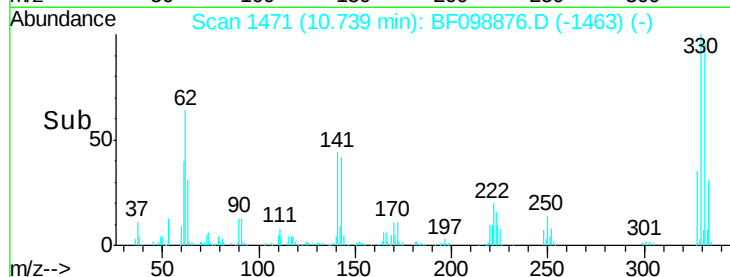
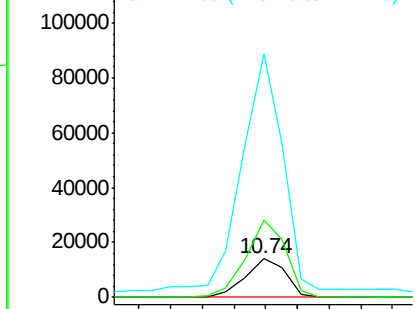
#66
4-Bromophenyl-phenylether
Concen: 3.13 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.25 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12286
Ion Ratio Lower Upper
248 100
250 199.4 76.9 115.3#
141 631.6 74.4 111.6#

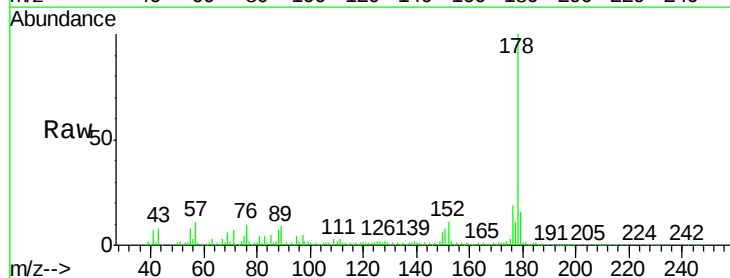


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

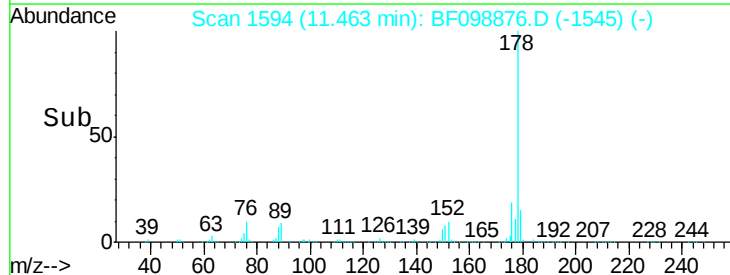
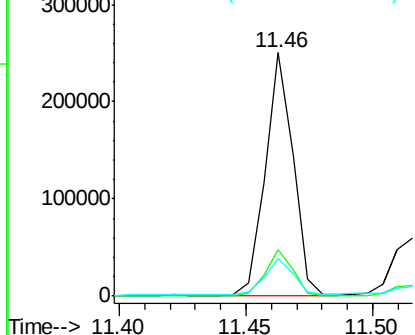


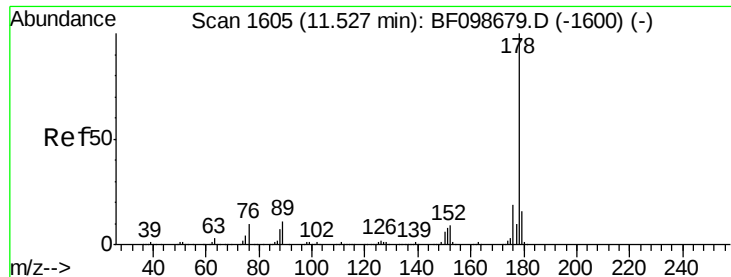
#70
Phenanthrene
Concen: 8.85 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Tgt Ion:178 Resp: 190010
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.6 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: 2.21 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

Instrument :

BNA_F

ClientSampleId :

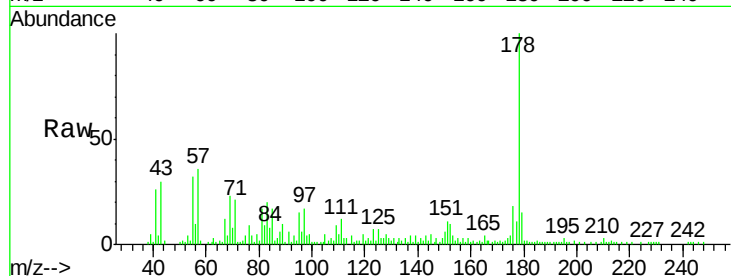
Tot Ion:178 Resp: 48569

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

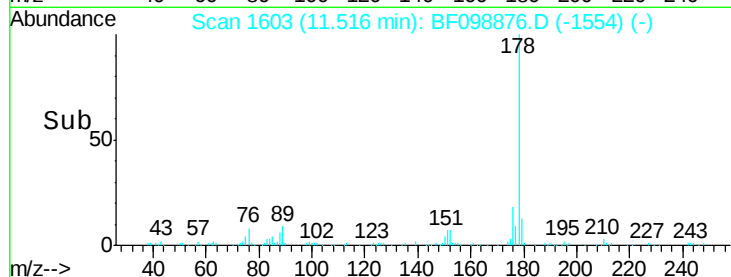
179 15.0 12.6 19.0



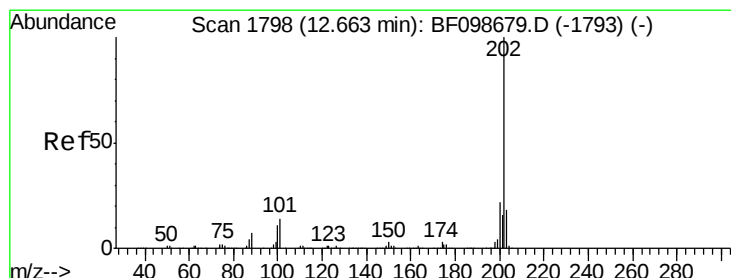
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 8.21 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

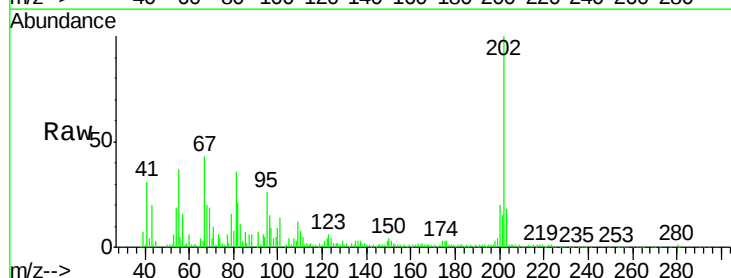
Tgt Ion:202 Resp: 178471

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

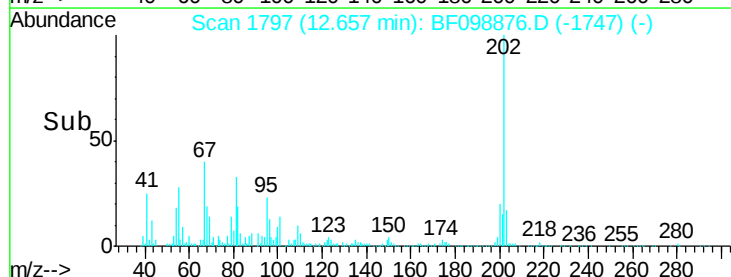
203 17.8 0.0 38.1



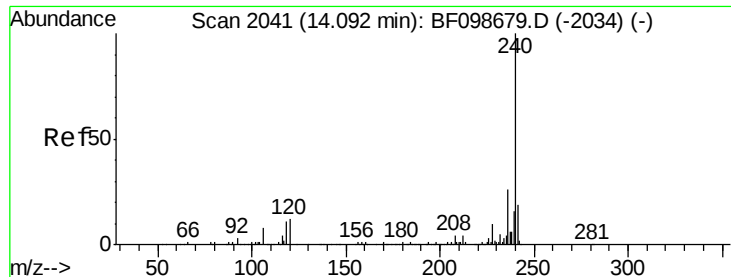
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

Instrument :

BNA_F

ClientSampleId :

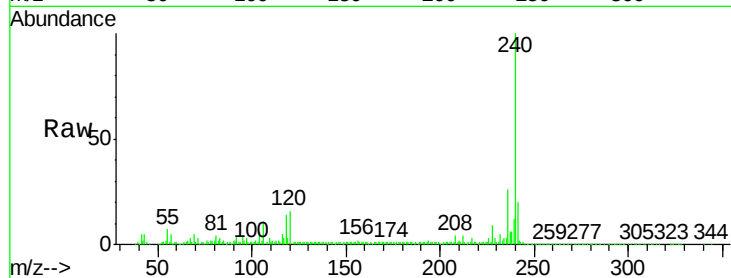
Tot Ion:240 Resp: 302411

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

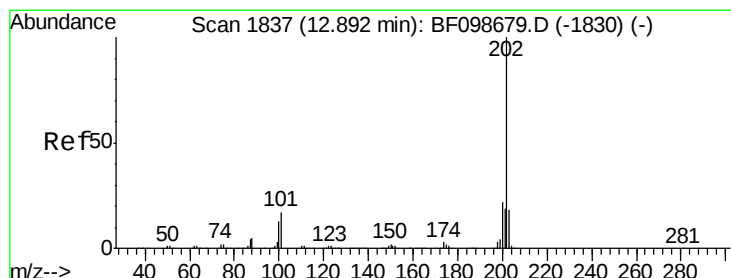
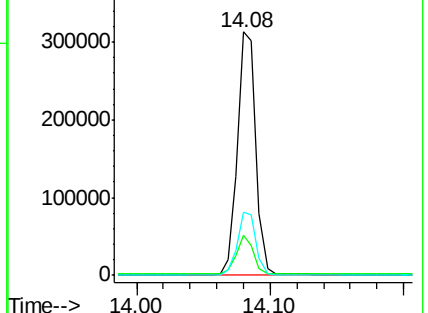
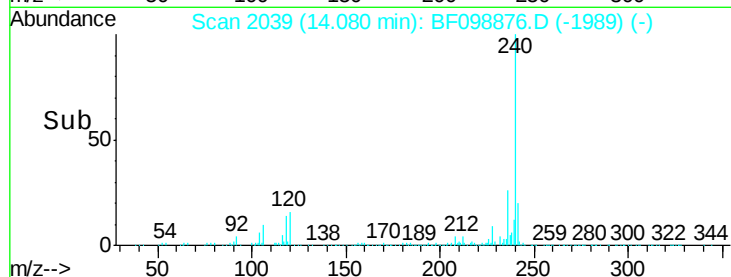
236 26.2 20.7 31.1



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: 8.60 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

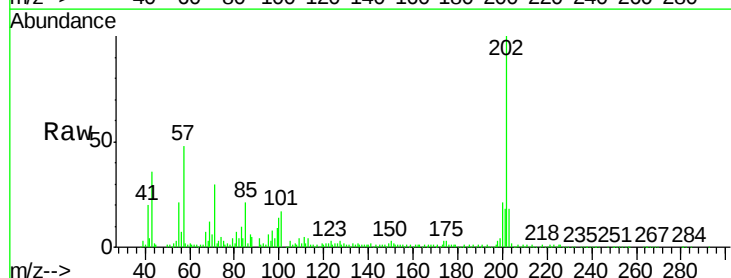
Tgt Ion:202 Resp: 198357

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

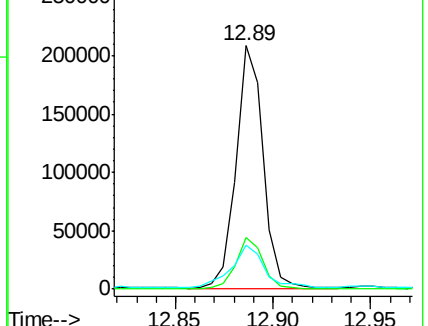
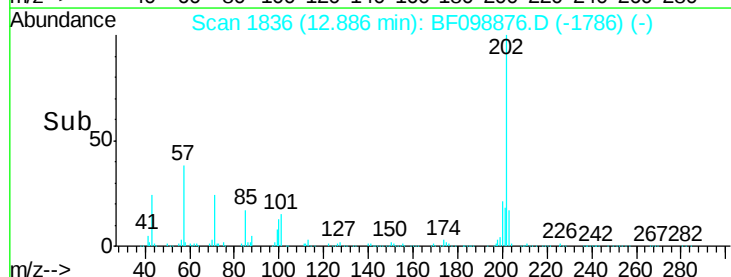
203 18.3 14.3 21.5

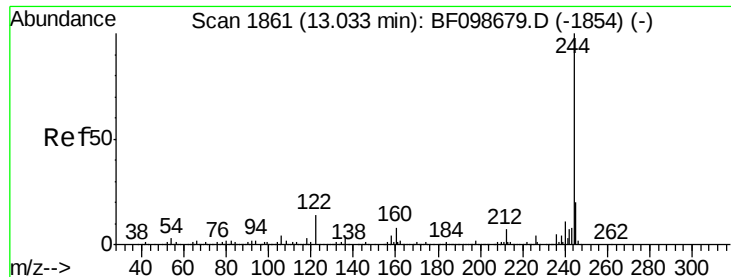


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

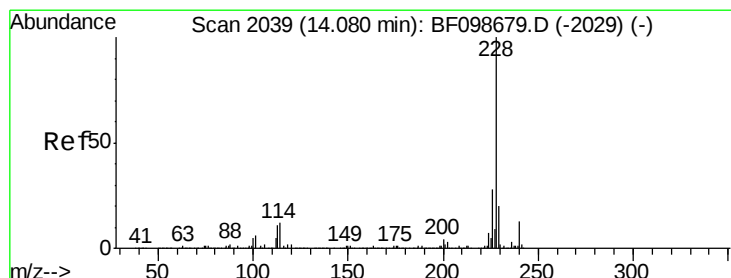
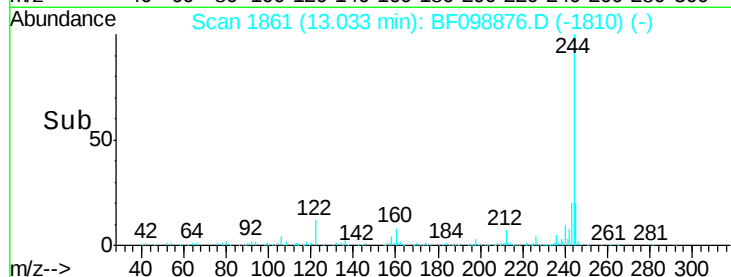
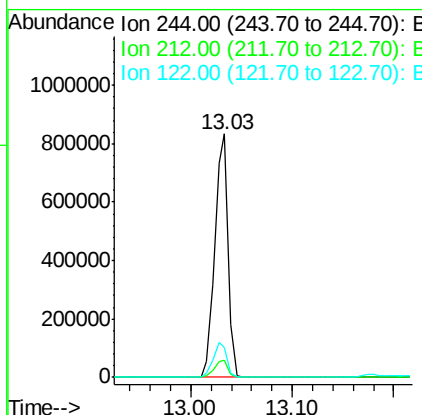
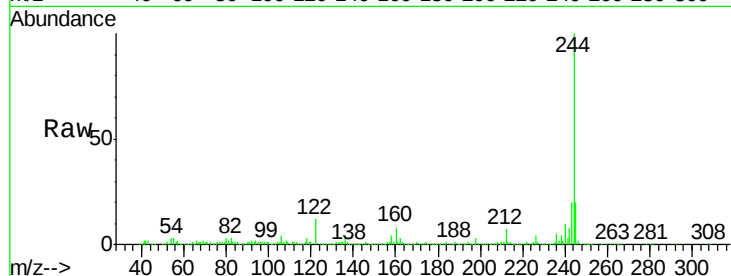




#78
 Terphenyl-d14
 Concen: 56.76 ng
 RT: 13.03 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: BF098876.D
 Acq: 27 Sep 2017 21:31

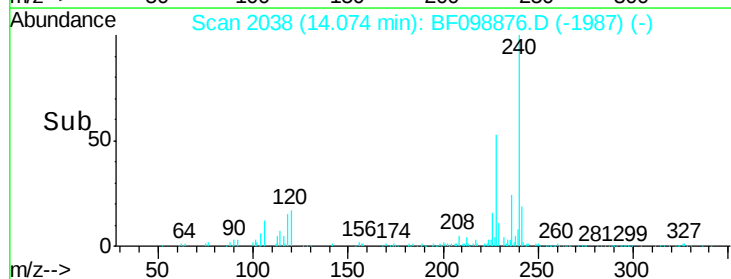
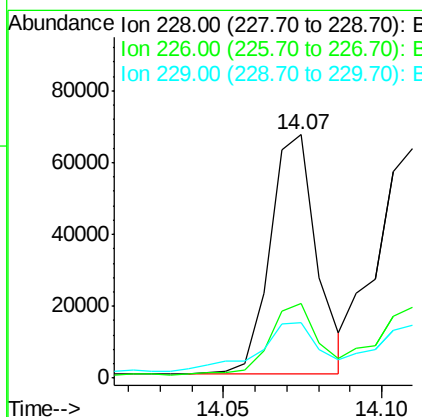
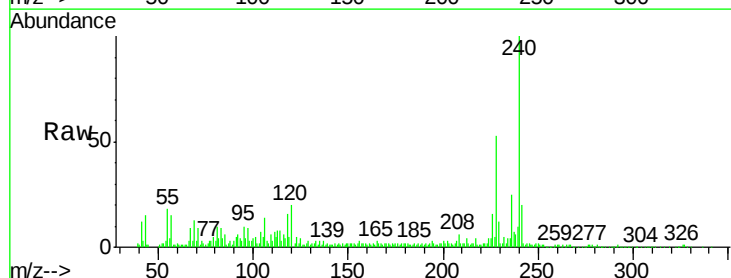
Instrument :
 BNA_F
 ClientSampleId :

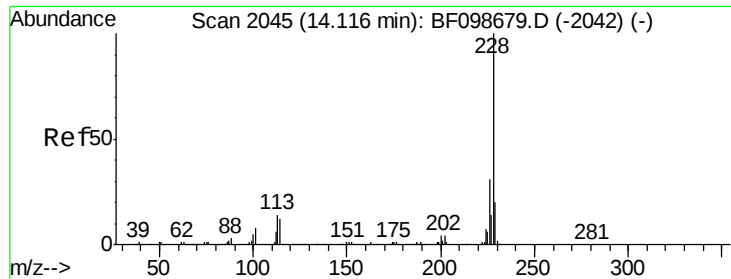
Tot Ion:244 Resp: 754749
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 12.3 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.75 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.00 min
 Lab File: BF098876.D
 Acq: 27 Sep 2017 21:31

Tgt Ion:228 Resp: 68613
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.6 33.8
 229 22.9 15.8 23.6

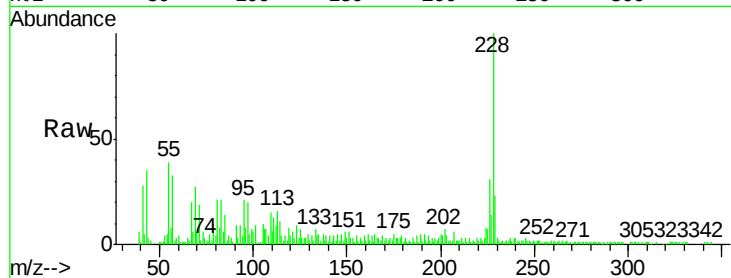




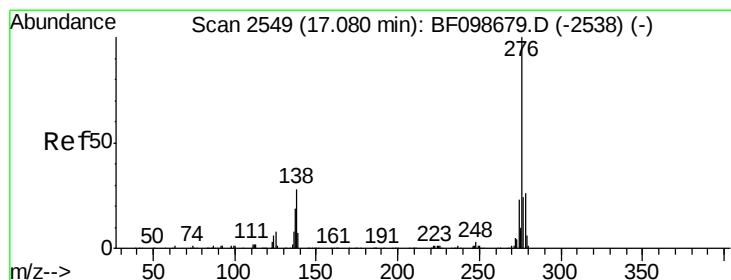
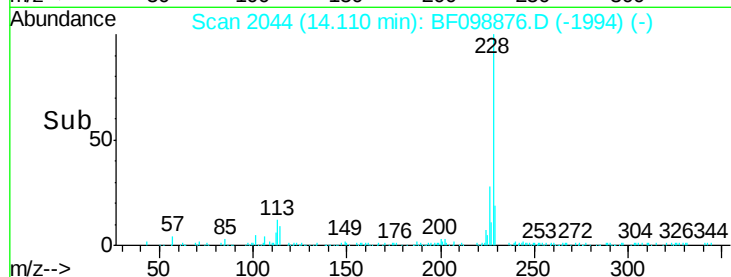
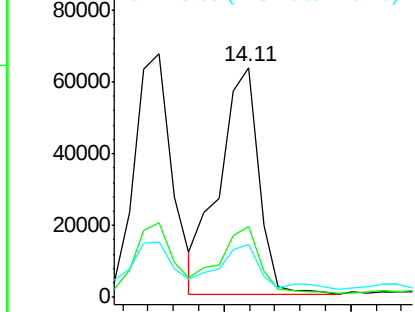
#82
Chrysene
Concen: 3.90 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 67979
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 22.7 16.2 24.4

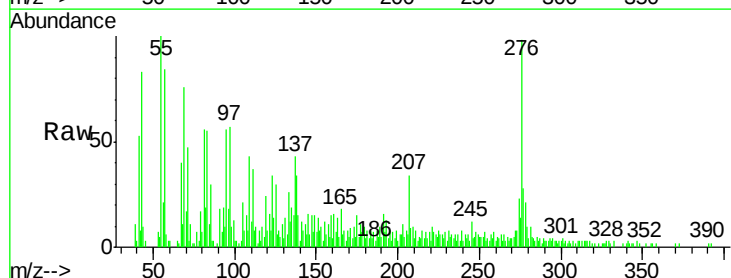


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

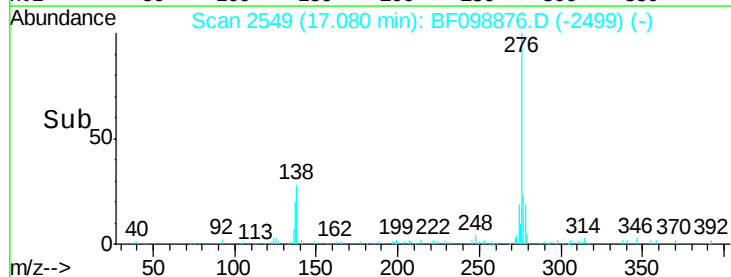
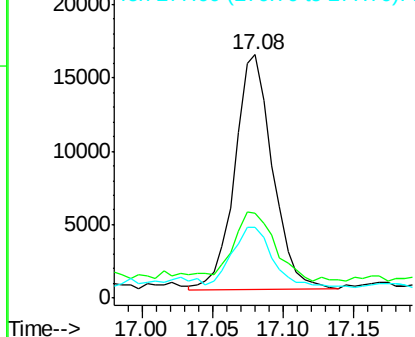


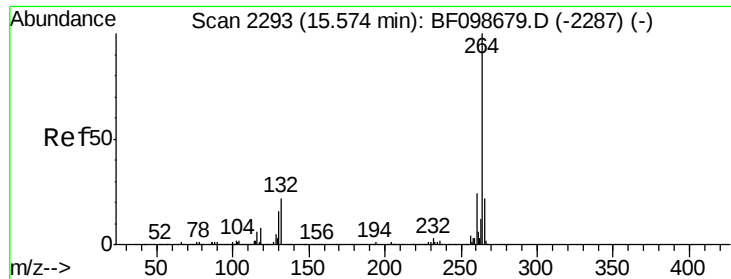
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.15 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Tgt Ion:276 Resp: 30015
Ion Ratio Lower Upper
276 100
138 32.1 25.0 37.6
277 28.3 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

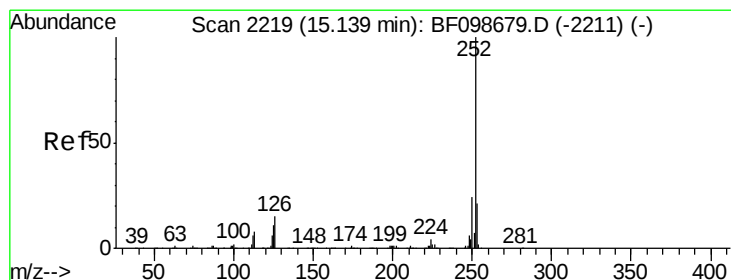
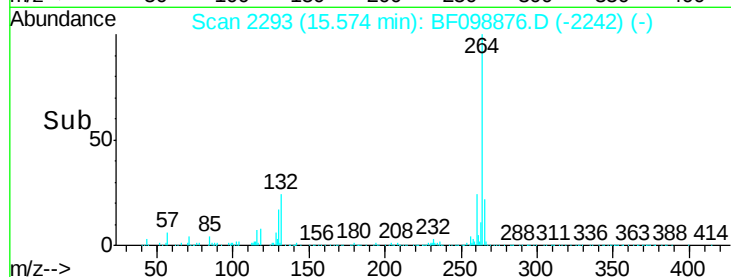
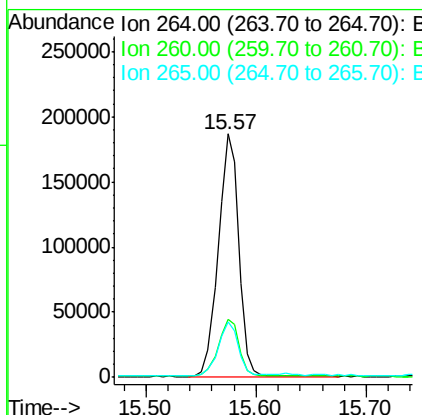
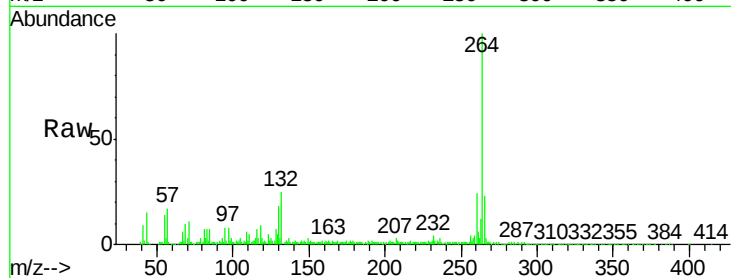




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

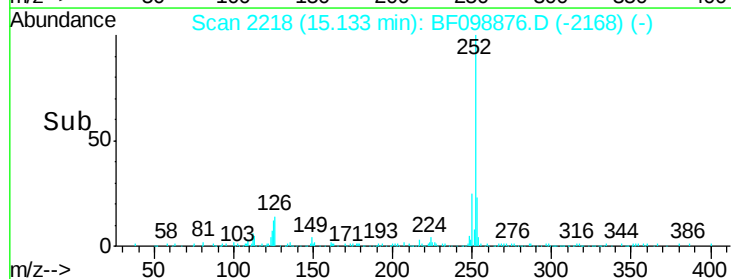
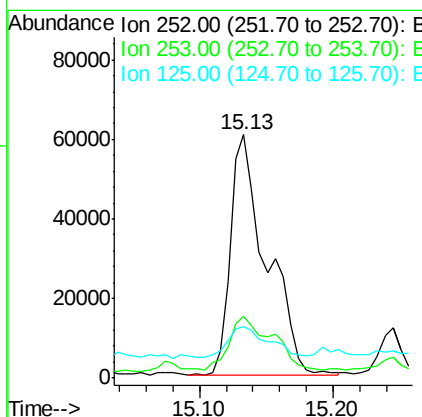
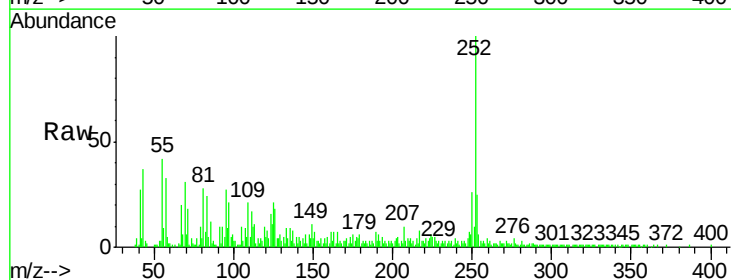
Instrument :
BNA_F
ClientSampleId :

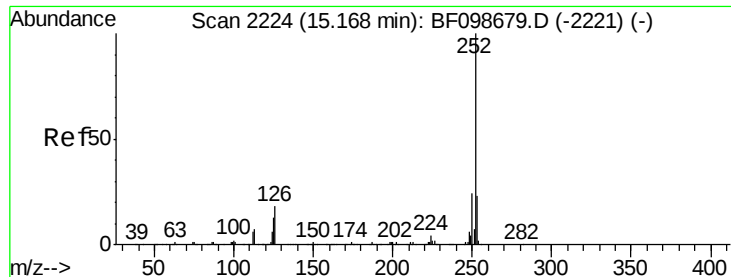
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 7.69 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.0	25.6
125	21.3	9.0	13.6

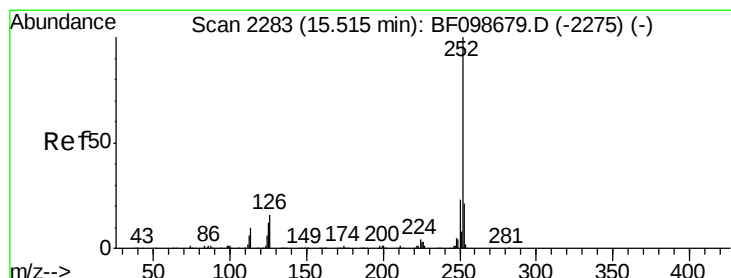
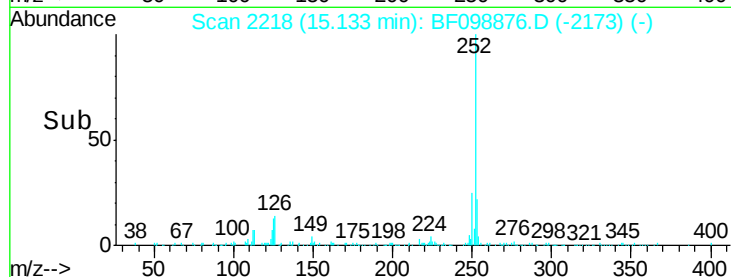
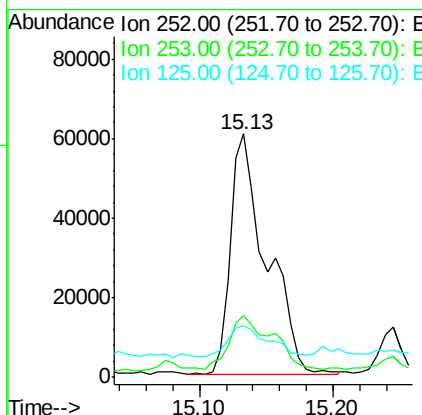
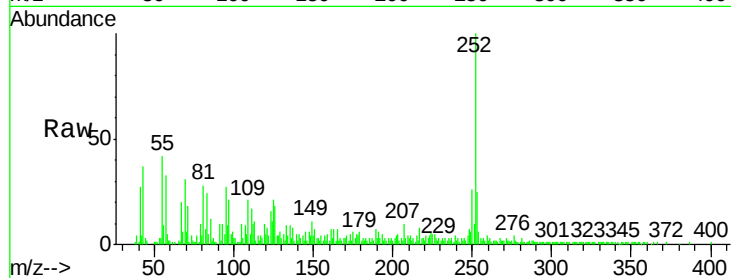




#88
Benzo(k)fluoranthene
Concen: 7.78 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

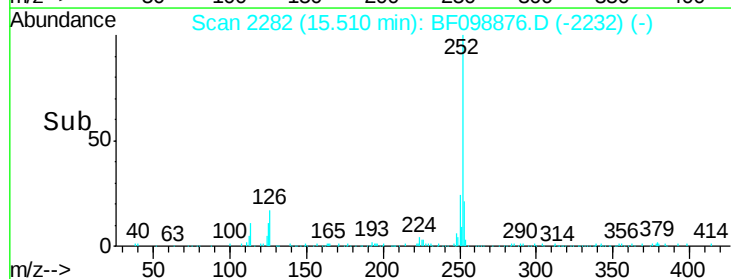
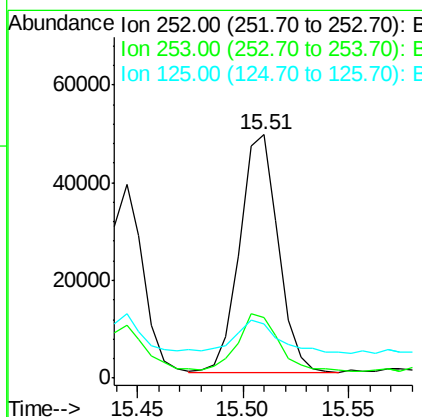
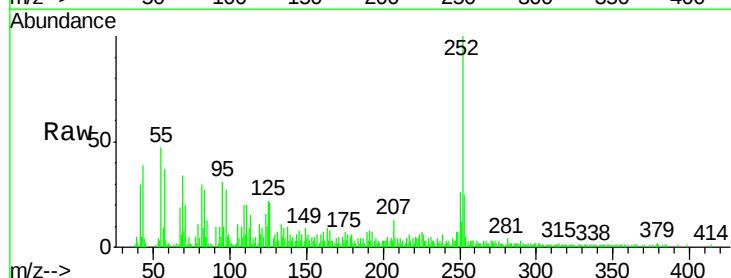
Instrument :
BNA_F
ClientSampleId :

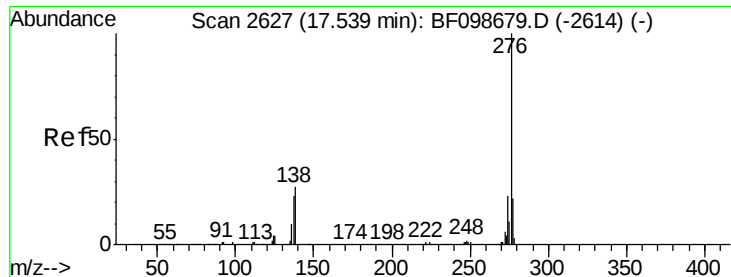
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	21.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.58 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	22.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.03 ng
 RT: 17.54 min Scan# 2627
 Delta R.T. -0.01 min
 Lab File: BF098876.D
 Acq: 27 Sep 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 32499
 Ion Ratio Lower Upper
 276 100
 277 26.6 17.9 26.9
 138 37.4 21.8 32.8#

