

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
 Data File : BF098664.D
 Acq On : 20 Sep 2017 17:08
 Operator : SJ/JU
 Sample : I5285-04 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 21 05:20:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

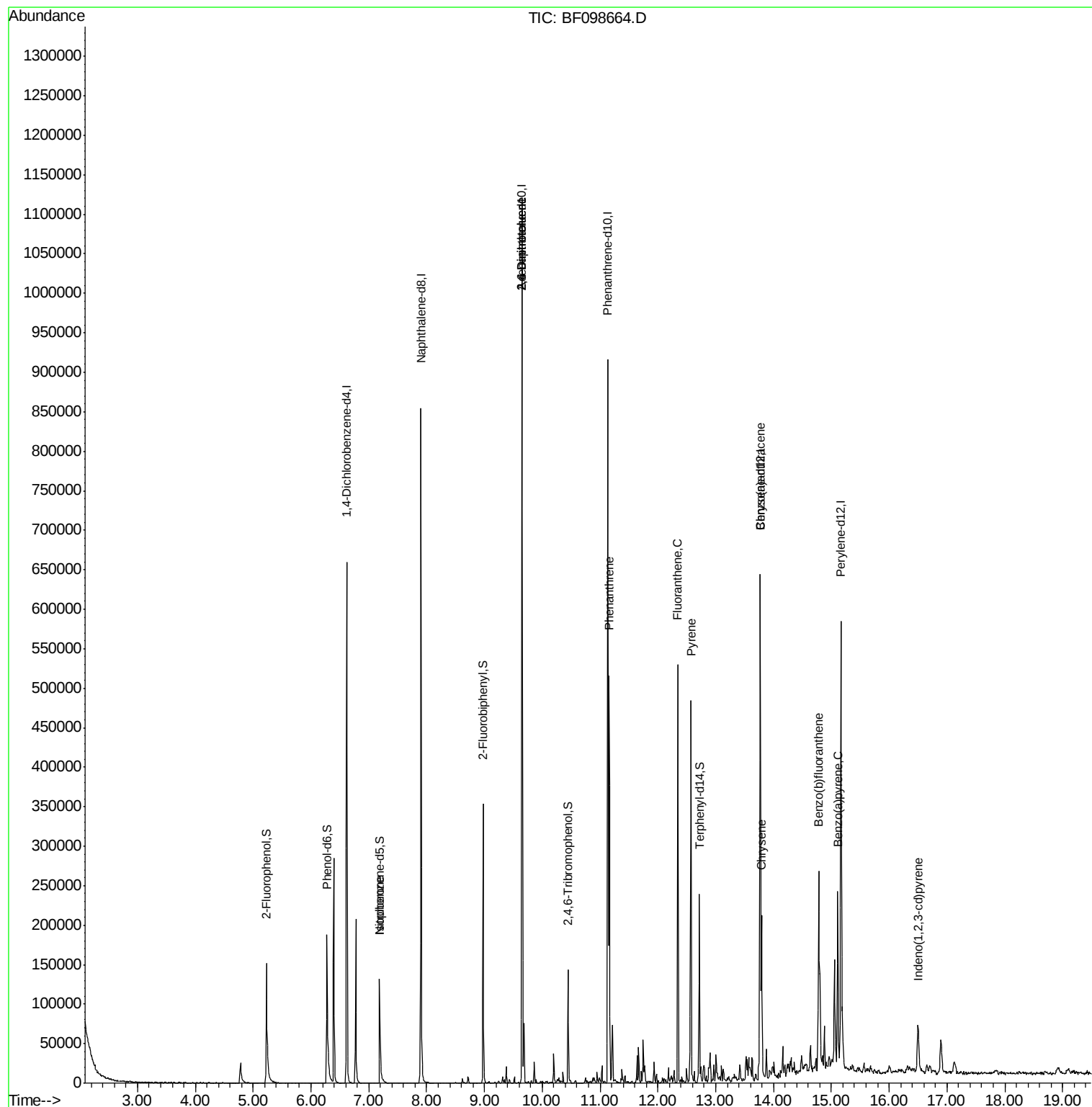
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	92636	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	382898	20.00	ng	-0.02
38) Acenaphthene-d10	9.65	164	197443	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	308211	20.00	ng	-0.02
75) Chrysene-d12	13.77	240	190722	20.00	ng	-0.01
86) Perylene-d12	15.17	264	223851	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	65935	10.52	ng	-0.01
7) Phenol-d6	6.27	99	89146	11.21	ng	-0.02
23) Nitrobenzene-d5	7.19	82	55409	8.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.45	330	14681	11.14	ng	-0.02
44) 2-Fluorobiphenyl	8.97	172	106467	9.14	ng	-0.02
78) Terphenyl-d14	12.72	244	66066	7.48	ng	-0.02
Target Compounds						
25) Isophorone	7.19	82	55409	3.99	ng	# 67
50) 2,6-Dinitrotoluene	9.65	165	25705	8.19	ng	# 34
56) 2,4-Dinitrotoluene	9.65	165	25705	6.73	ng	# 33
70) Phenanthrene	11.16	178	182798	11.19	ng	99
74) Fluoranthene	12.35	202	203805	12.46	ng	97
77) Pyrene	12.57	202	186734	12.41	ng	100
80) Benzo(a)anthracene	13.76	228	89411	8.00	ng	97
82) Chrysene	13.80	228	71987	6.37	ng	94
85) Indeno(1,2,3-cd)pyrene	16.50	276	36335	4.58	ng	# 89
87) Benzo(b)fluoranthene	14.78	252	162324	11.53	ng	99
89) Benzo(a)pyrene	15.11	252	93751	7.48	ng	97

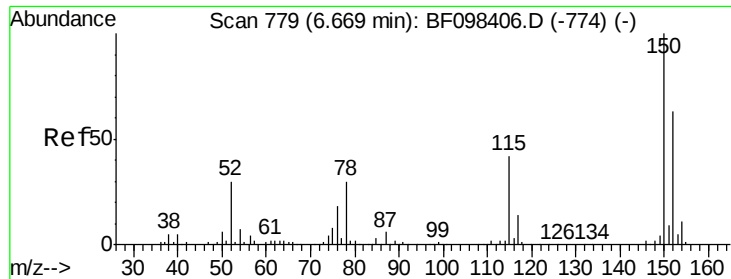
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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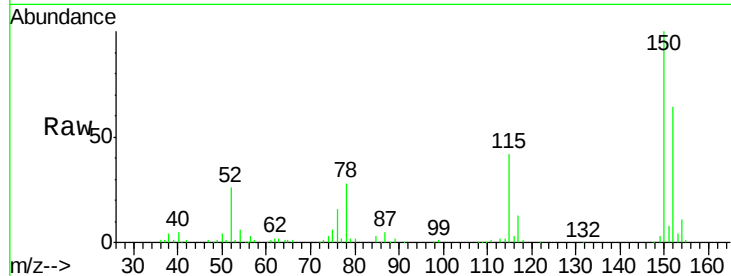


#1

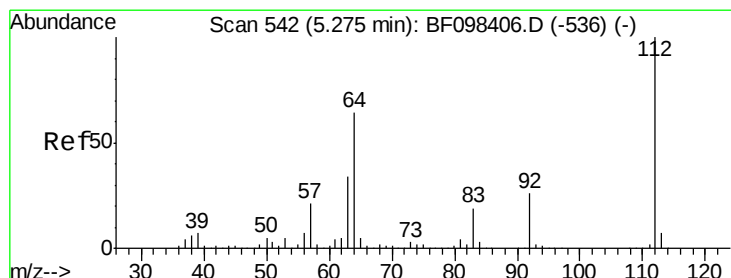
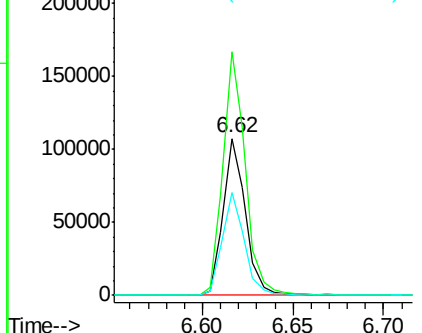
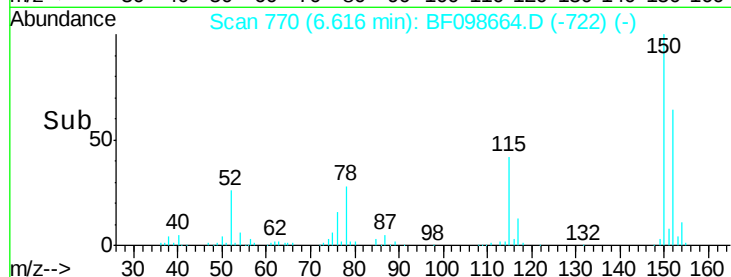
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.02 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 92636
Ion Ratio Lower Upper
152 100
150 155.1 126.2 189.2
115 65.5 52.2 78.2



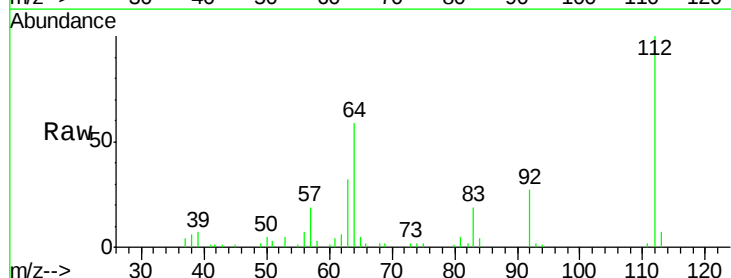
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



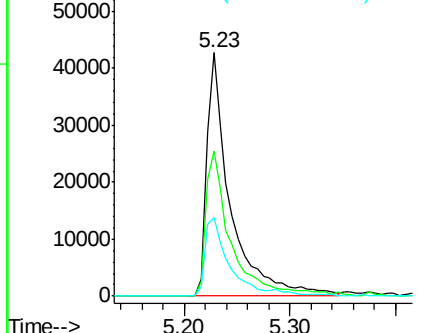
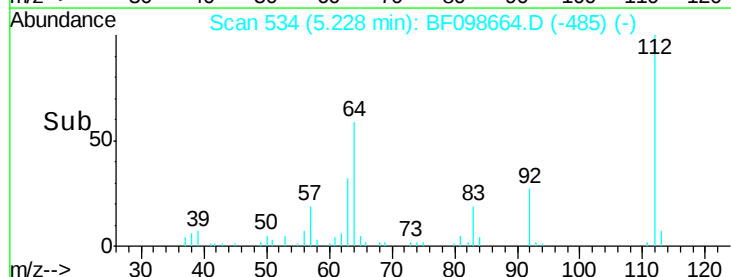
#5

2-Fluorophenol
Concen: 10.52 ng
RT: 5.23 min Scan# 534
Delta R.T. -0.01 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Tgt Ion:112 Resp: 65935
Ion Ratio Lower Upper
112 100
64 59.4 46.0 69.0
63 32.2 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: 11.21 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

Instrument :

BNA_F

ClientSampleId :

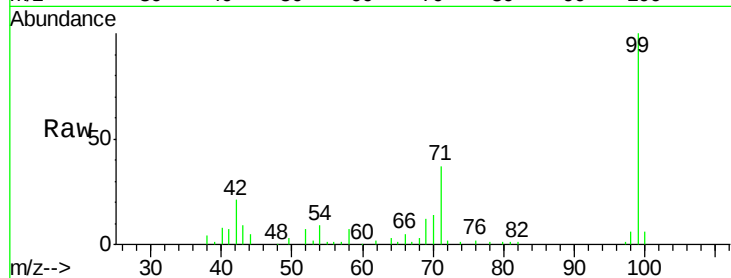
Tot Ion: 99 Resp: 89146

Ion Ratio Lower Upper

99 100

42 20.6 13.5 20.3#

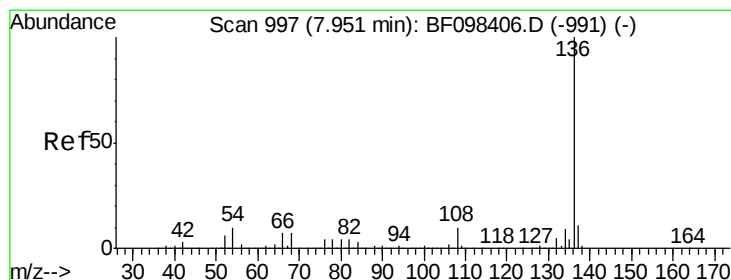
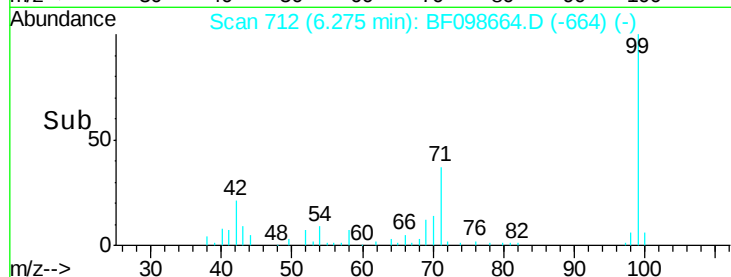
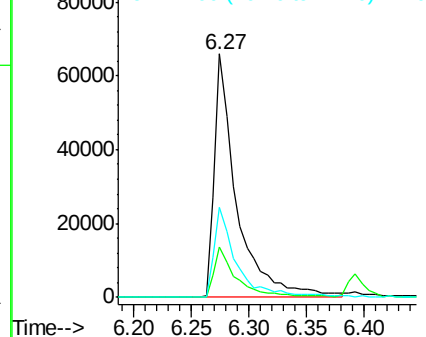
71 37.1 24.5 36.7#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.02 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

Tgt Ion: 136 Resp: 382898

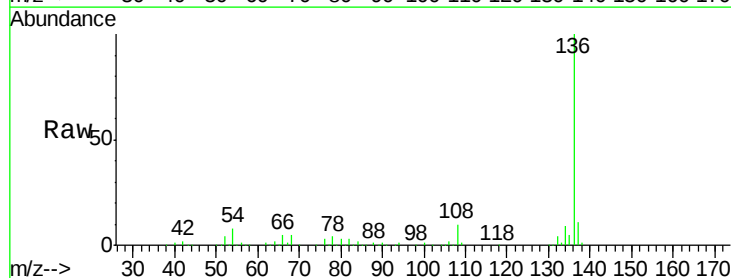
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.9 4.9 7.3#

68 4.6 4.1 6.1

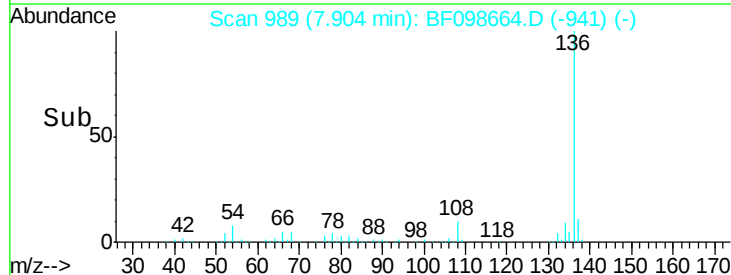
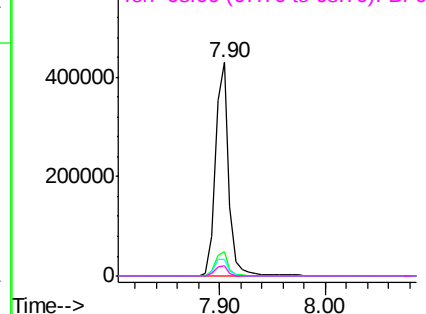


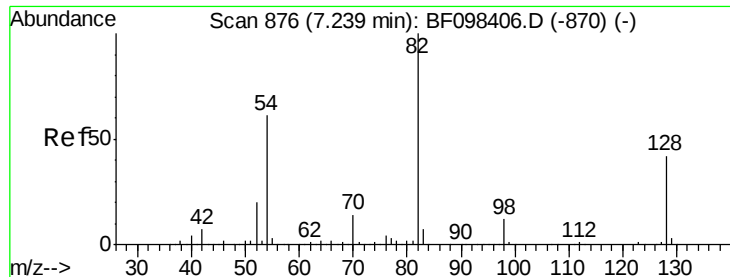
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

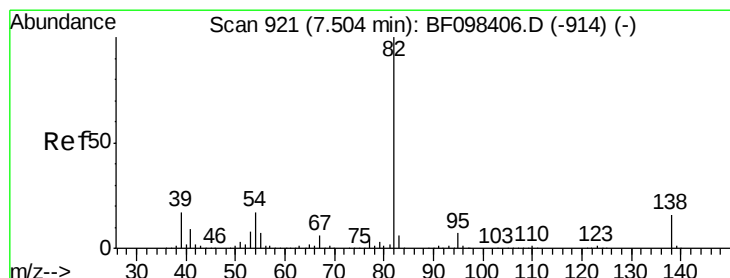
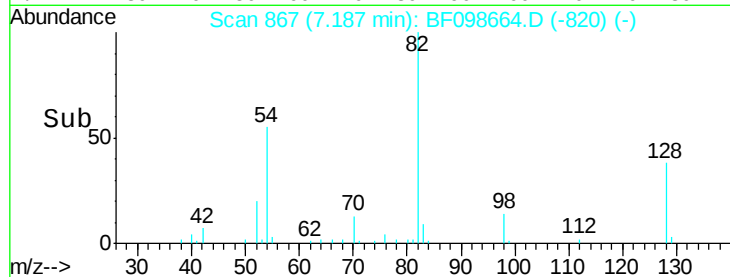
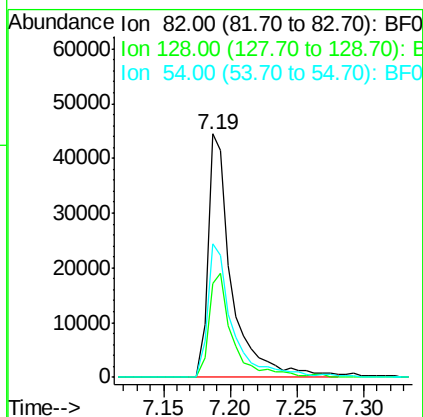
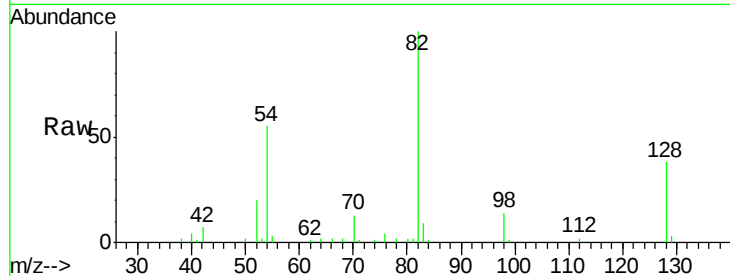




#23
 Nitrobenzene-d5
 Concen: 8.07 ng
 RT: 7.19 min Scan# 867
 Delta R.T. -0.02 min
 Lab File: BF098664.D
 Acq: 20 Sep 2017 17:08

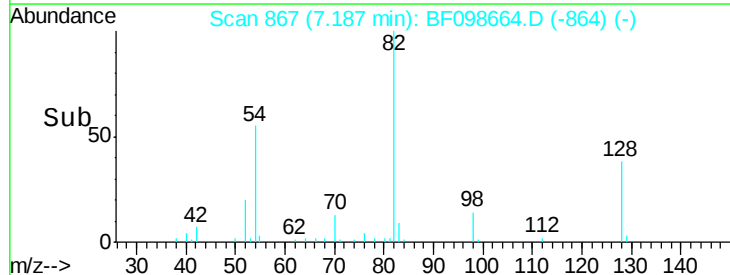
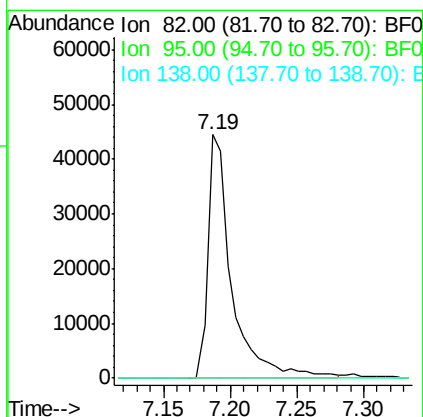
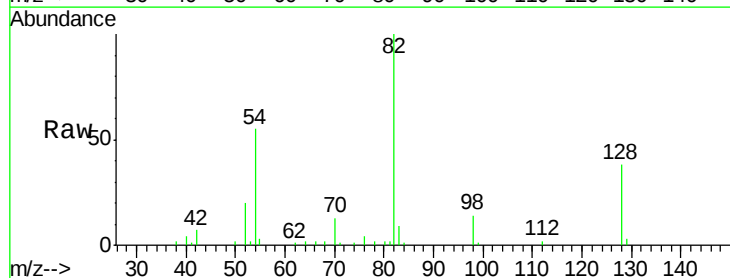
Instrument :
 BNA_F
 ClientSampled :

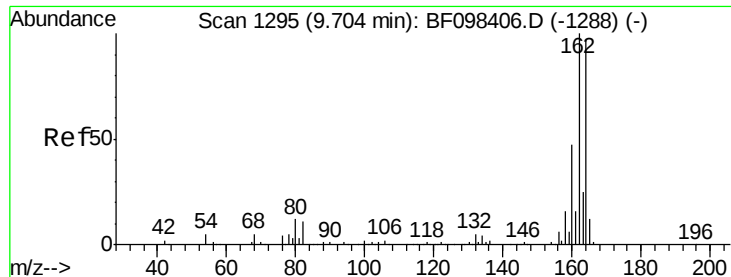
Tot Ion: 82 Resp: 55409
 Ion Ratio Lower Upper
 82 100
 128 38.4 34.0 51.0
 54 55.1 42.2 63.2



#25
 Isophorone
 Concen: 3.99 ng
 RT: 7.19 min Scan# 867
 Delta R.T. -0.28 min
 Lab File: BF098664.D
 Acq: 20 Sep 2017 17:08

Tgt Ion: 82 Resp: 55409
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

Instrument :

BNA_F

ClientSampleId :

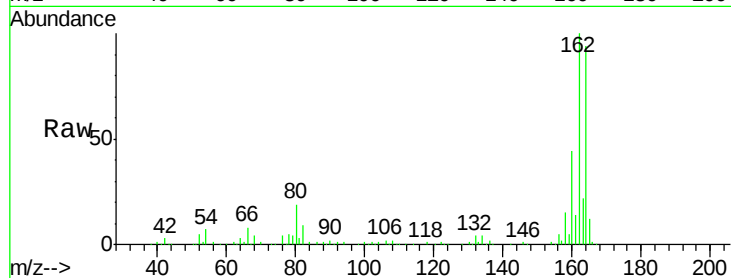
Tot Ion:164 Resp: 197443

Ion Ratio Lower Upper

164 100

162 106.6 82.6 123.8

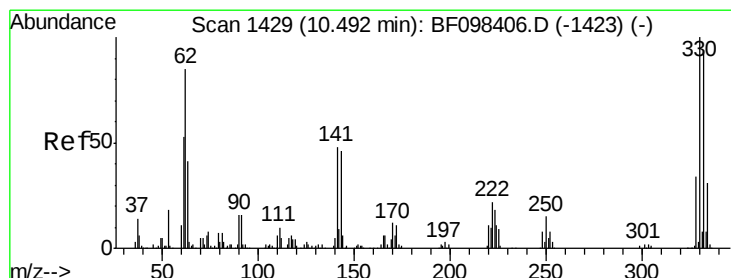
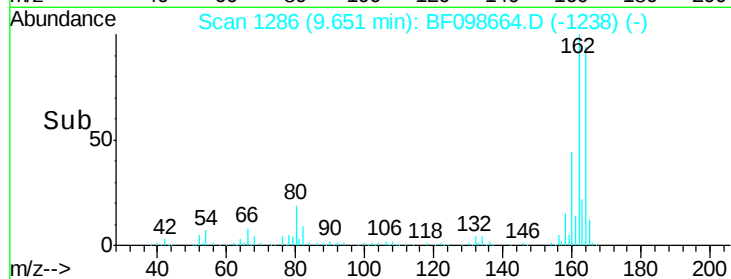
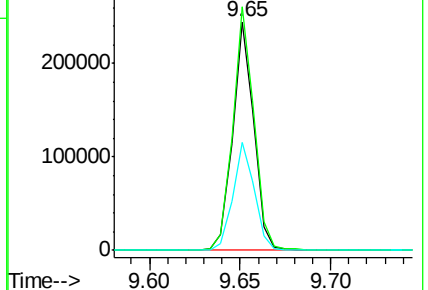
160 47.0 36.2 54.2



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: 11.14 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.02 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

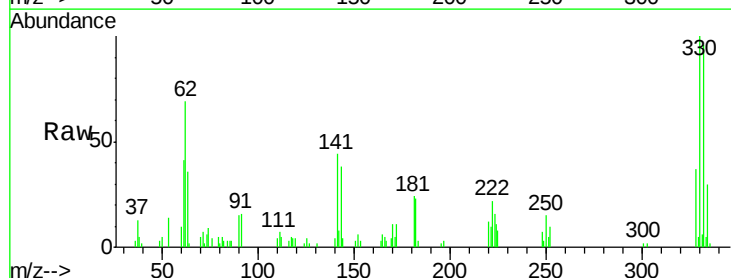
Tgt Ion:330 Resp: 14681

Ion Ratio Lower Upper

330 100

332 95.1 76.6 115.0

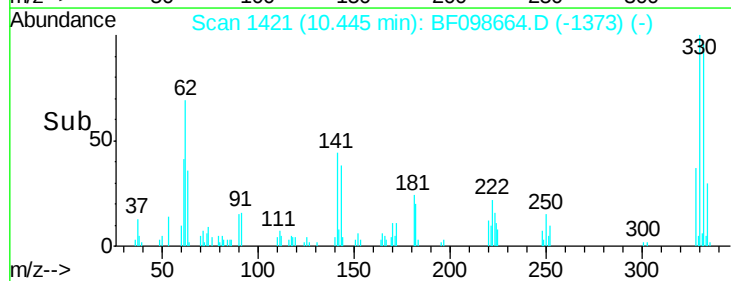
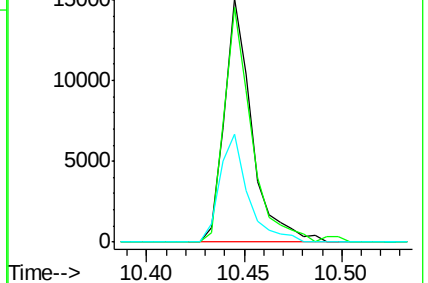
141 45.3 31.4 47.2

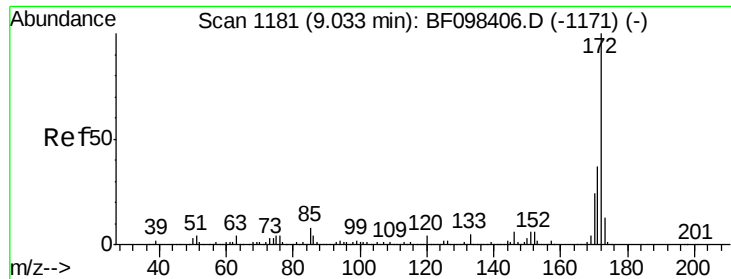


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

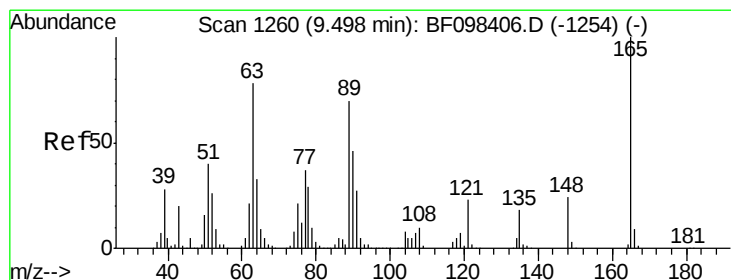
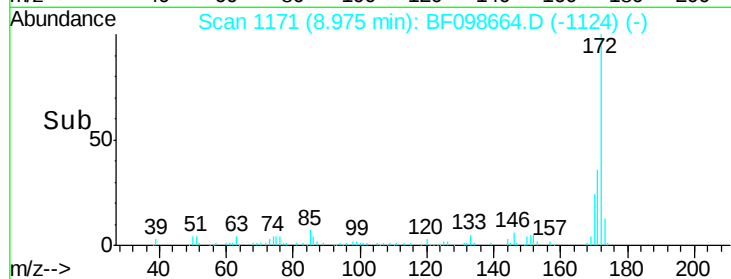
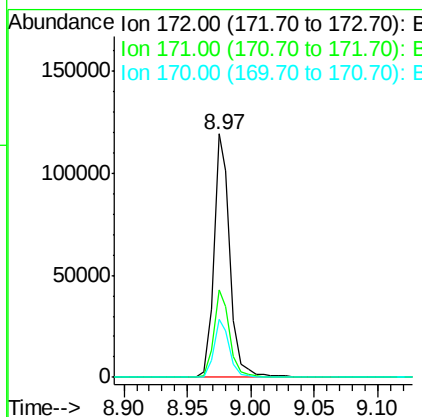
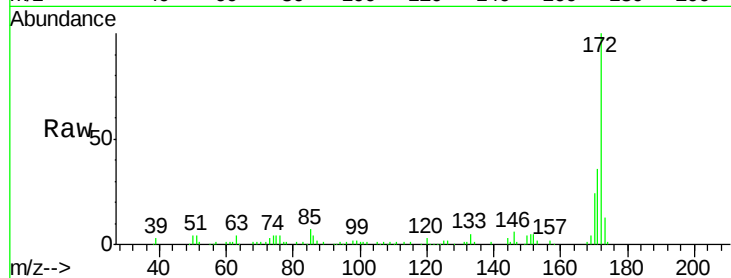




#44
 2-Fluorobiphenyl
 Concen: 9.14 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. -0.02 min
 Lab File: BF098664.D
 Acq: 20 Sep 2017 17:08

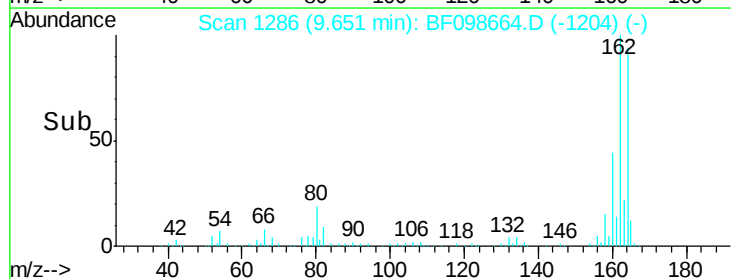
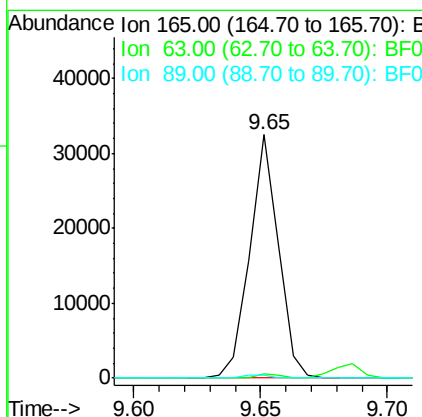
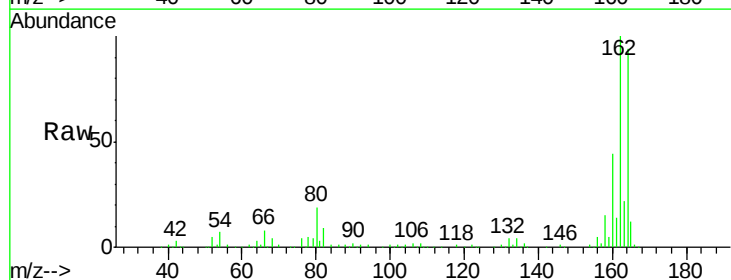
Instrument :
 BNA_F
 ClientSampleId :

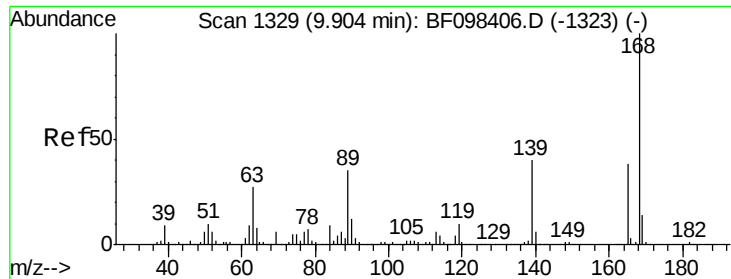
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.8	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 8.19 ng
 RT: 9.65 min Scan# 1286
 Delta R.T. 0.18 min
 Lab File: BF098664.D
 Acq: 20 Sep 2017 17:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.3	51.5#
89	1.3	37.1	55.7#

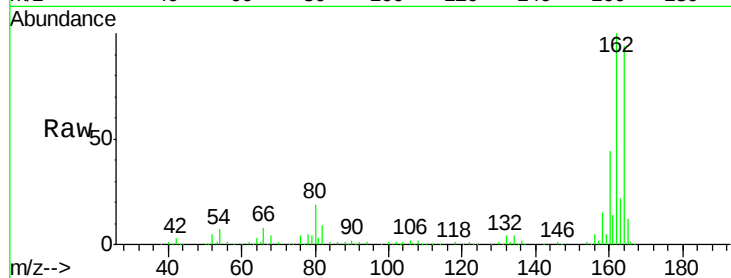




#56
 2,4-Dinitrotoluene
 Concen: 6.73 ng
 RT: 9.65 min Scan# 1286
 Delta R.T. -0.23 min
 Lab File: BF098664.D
 Acq: 20 Sep 2017 17:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.3	46.4	69.6#
182	0.0	1.8	2.6#

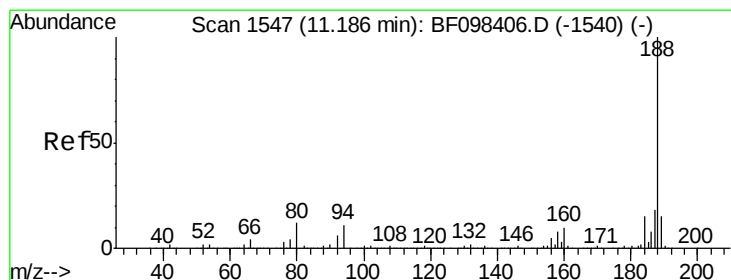
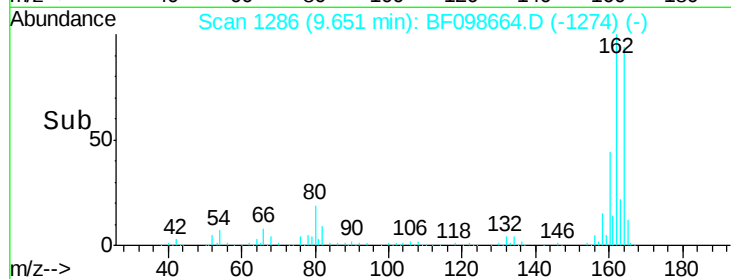
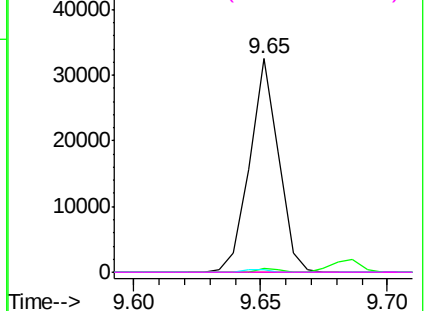


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

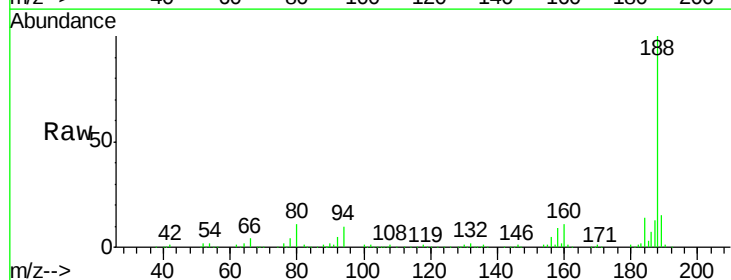
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 1538
 Delta R.T. -0.02 min
 Lab File: BF098664.D
 Acq: 20 Sep 2017 17:08

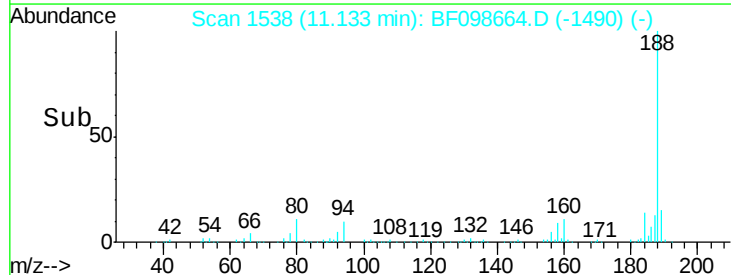
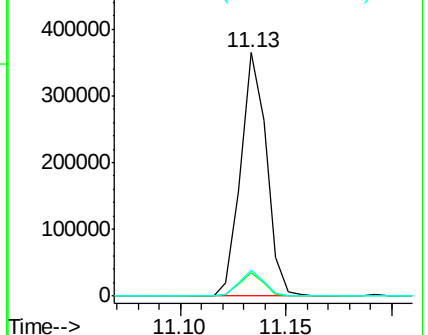
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.4	14.2
80	10.9	10.2	15.2

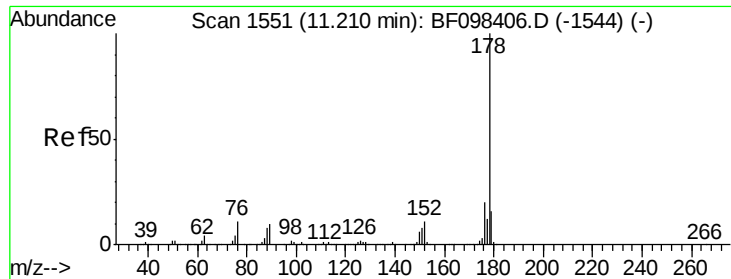


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

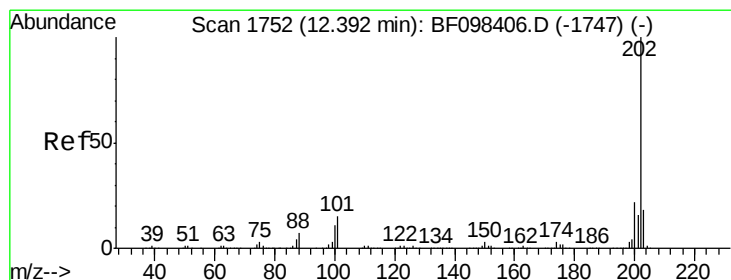
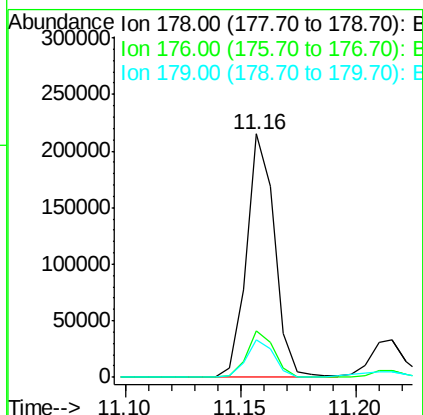
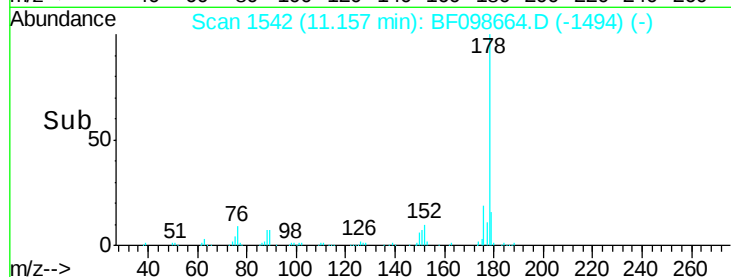
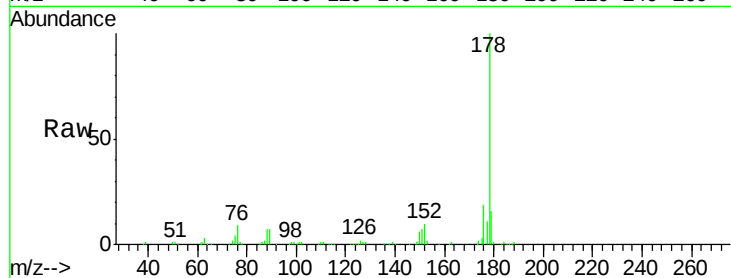




#70
Phenanthrene
Concen: 11.19 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.02 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

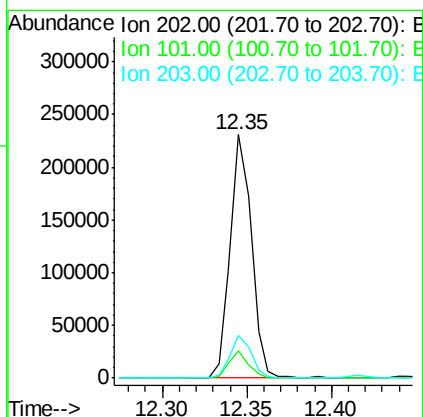
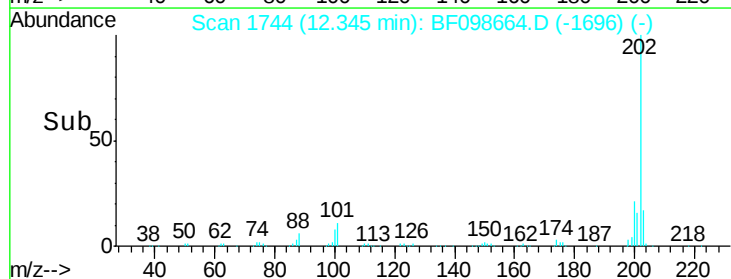
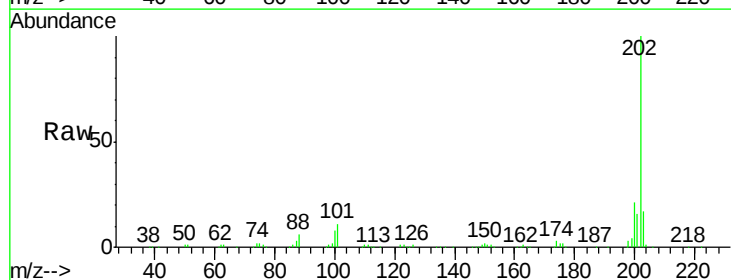
Instrument :
BNA_F
ClientSampleId :

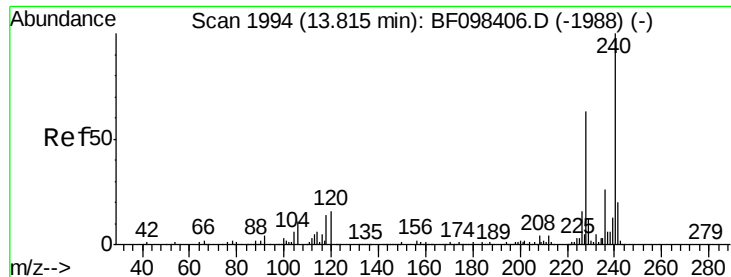
Tot Ion:178 Resp: 182798
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.7 12.6 19.0



#74
Fluoranthene
Concen: 12.46 ng
RT: 12.35 min Scan# 1744
Delta R.T. -0.02 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Tgt Ion:202 Resp: 203805
Ion Ratio Lower Upper
202 100
101 11.0 0.0 33.2
203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

Instrument :

BNA_F

ClientSampled :

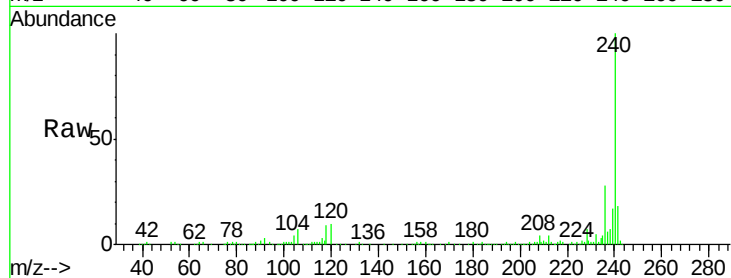
Tot Ion:240 Resp: 190722

Ion Ratio Lower Upper

240 100

120 10.1 5.8 8.8#

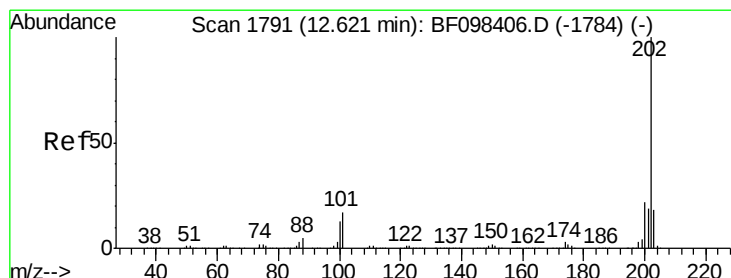
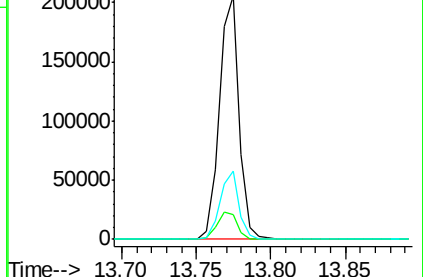
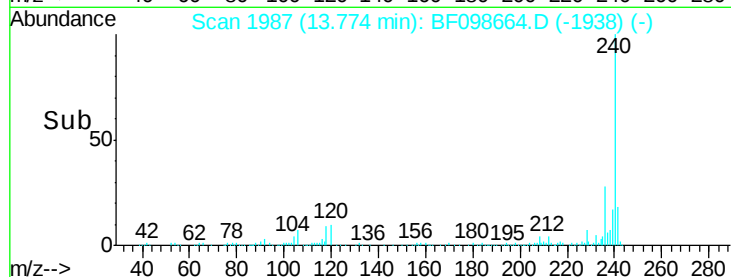
236 27.9 20.5 30.7



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: 12.41 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

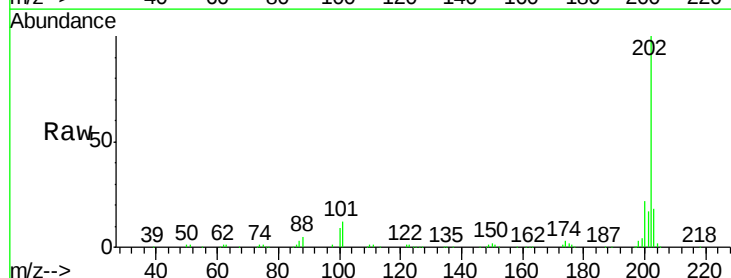
Tgt Ion:202 Resp: 186734

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

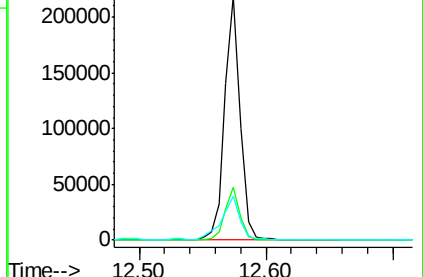
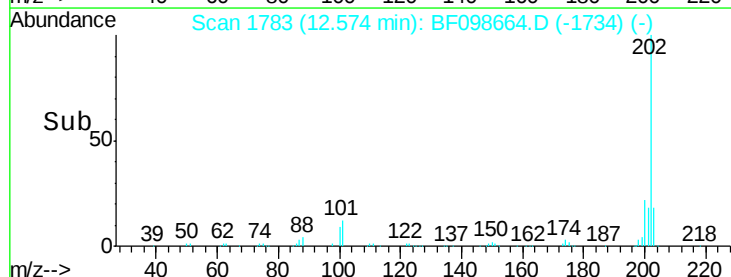
203 17.9 14.4 21.6

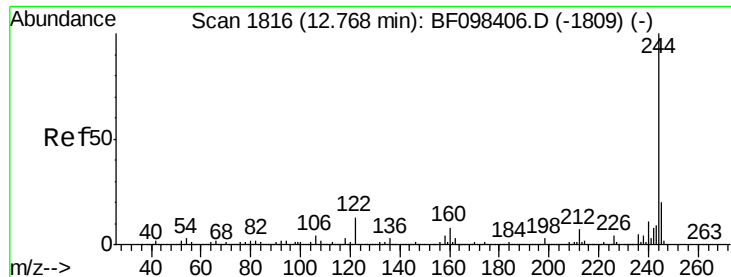


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 7.48 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

Instrument :

BNA_F

ClientSampled :

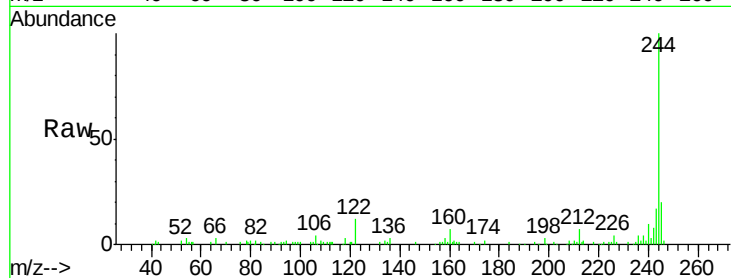
Tot Ion:244 Resp: 66066

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

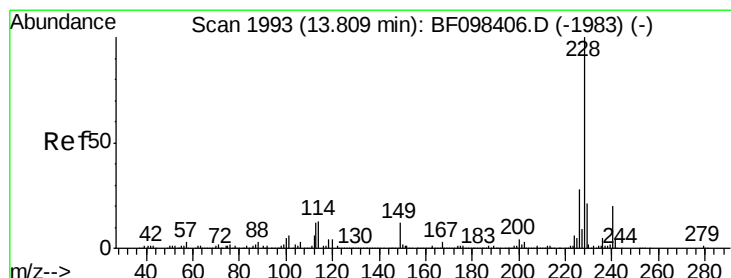
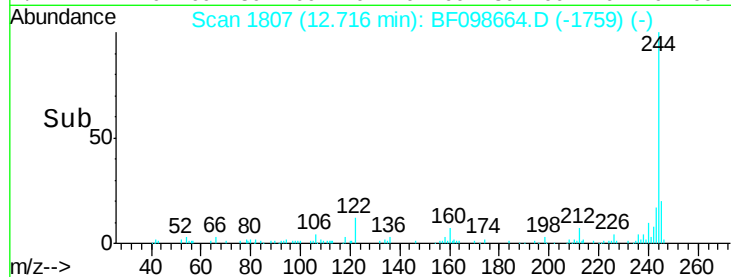
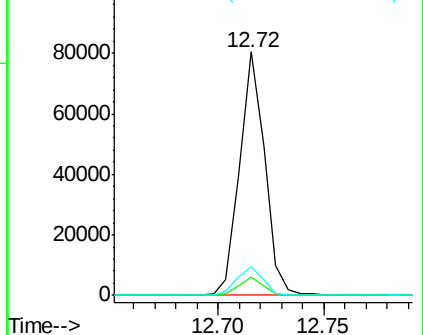
122 11.6 10.3 15.5



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: 8.00 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

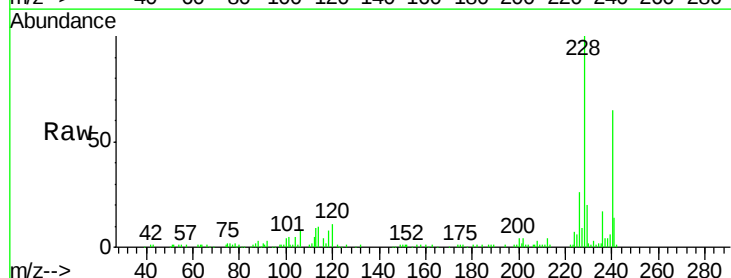
Tgt Ion:228 Resp: 89411

Ion Ratio Lower Upper

228 100

226 26.1 22.6 33.8

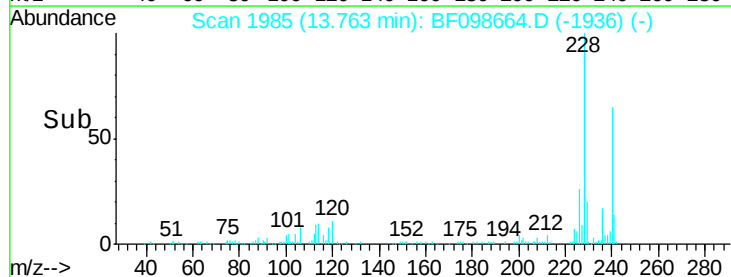
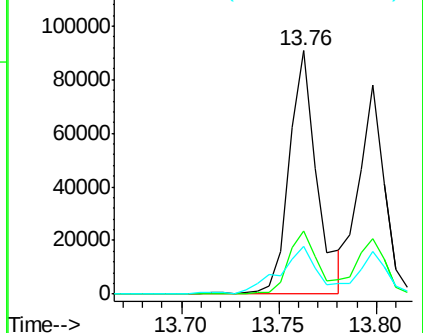
229 19.7 16.3 24.5

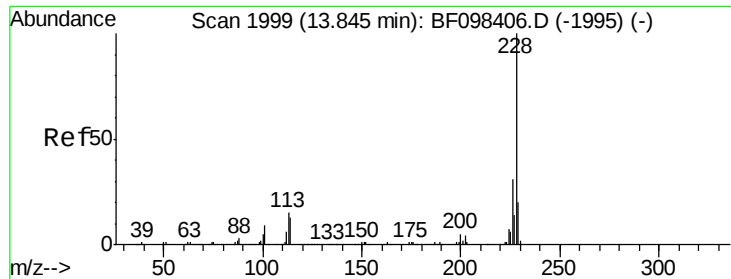


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

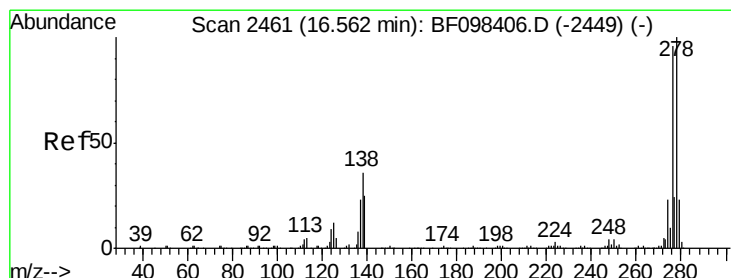
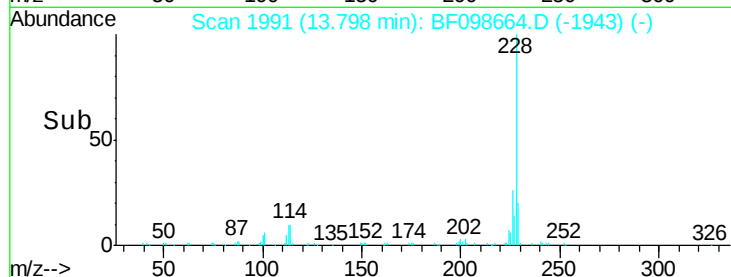
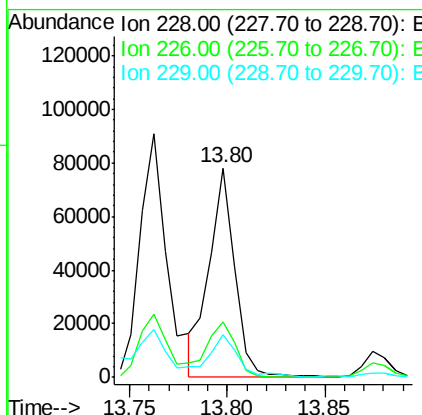
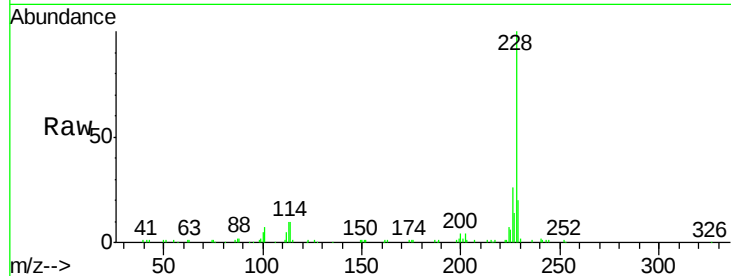




#82
 Chrysene
 Concen: 6.37 ng
 RT: 13.80 min Scan# 1991
 Delta R.T. -0.02 min
 Lab File: BF098664.D
 Acq: 20 Sep 2017 17:08

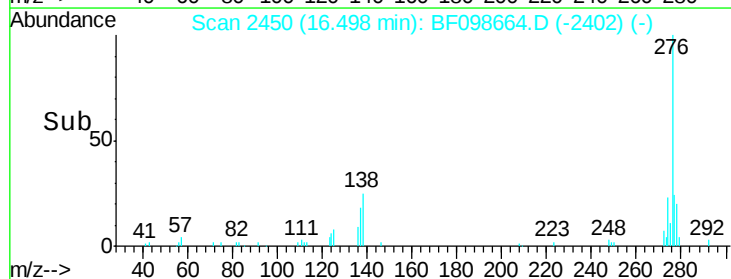
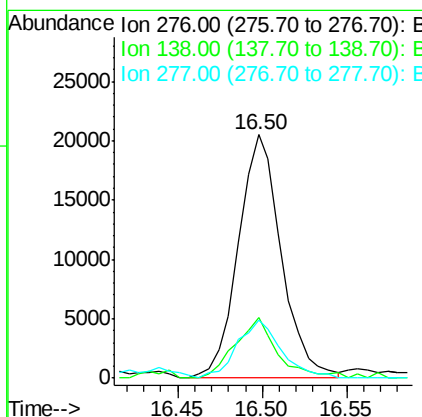
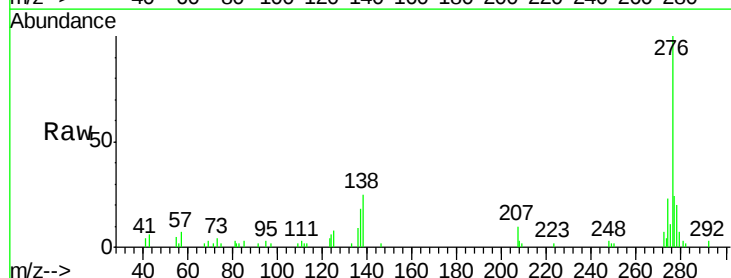
Instrument :
 BNA_F
 ClientSampleId :

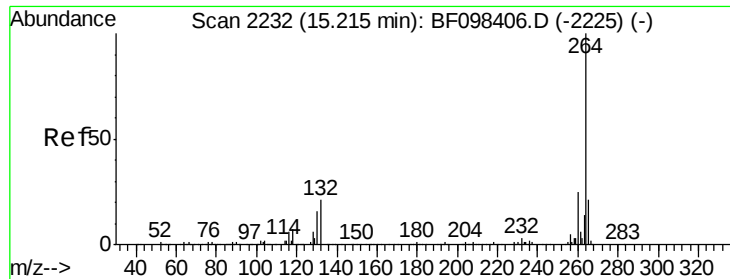
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.4	24.9	37.3
229	20.4	15.8	23.6



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.58 ng
 RT: 16.50 min Scan# 2450
 Delta R.T. -0.02 min
 Lab File: BF098664.D
 Acq: 20 Sep 2017 17:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.4	27.8	41.6#
277	24.4	20.2	30.4

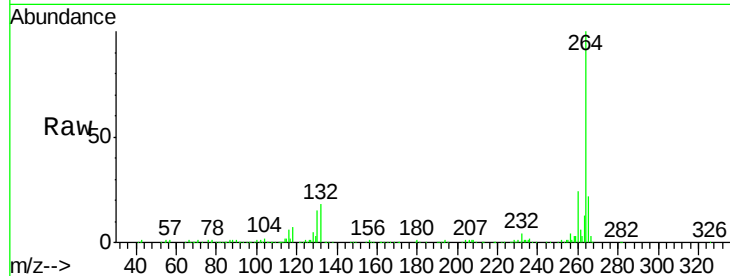




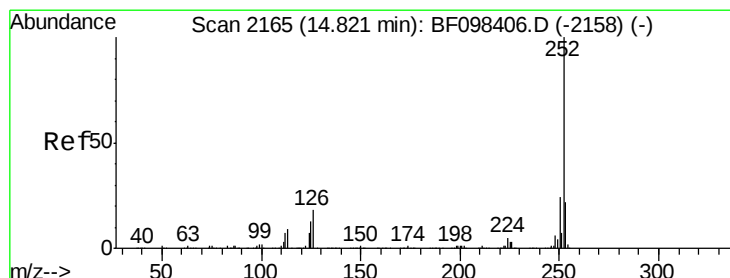
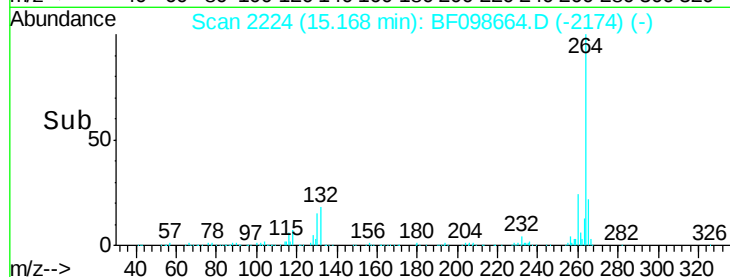
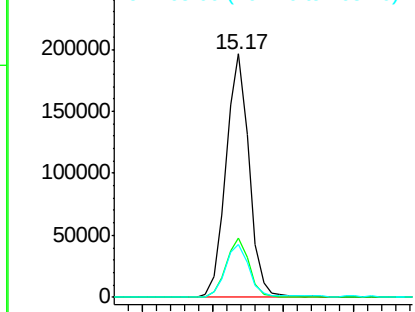
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 223851
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 21.9 17.2 25.8

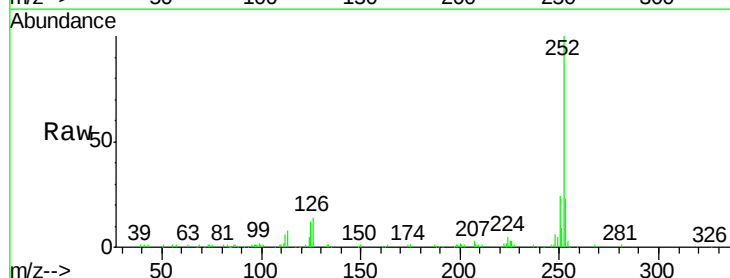


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

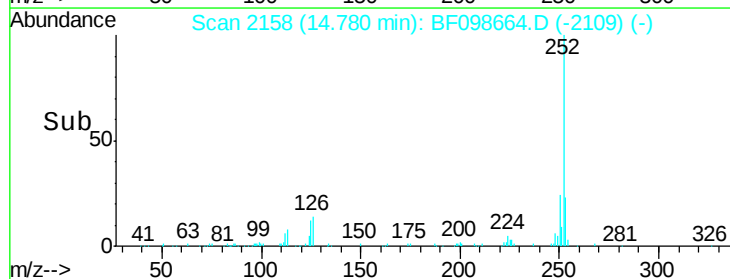
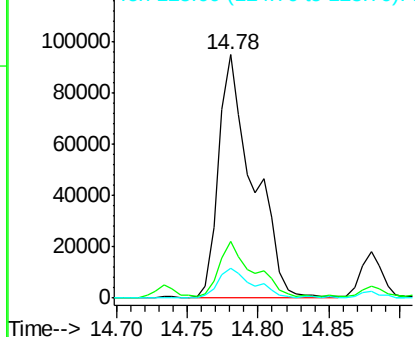


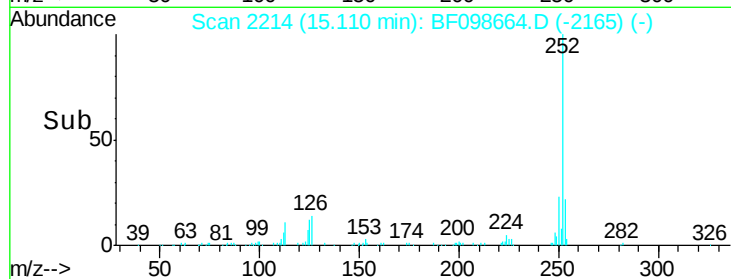
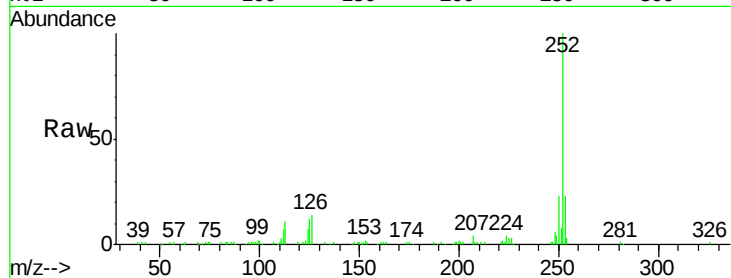
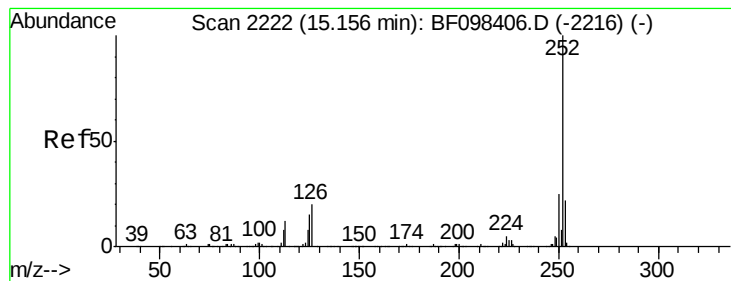
#87
Benzo(b)fluoranthene
Concen: 11.53 ng
RT: 14.78 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Tgt Ion:252 Resp: 162324
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 12.2 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





#89

Benzo(a)pyrene

Concen: 7.48 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 93751

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.9 11.0 16.4

