

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093358.D
 Acq On : 3 Mar 2017 12:55
 Operator : SJ/MA
 Sample : I2057-15
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 34B-4

Quant Time: Mar 03 13:47:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

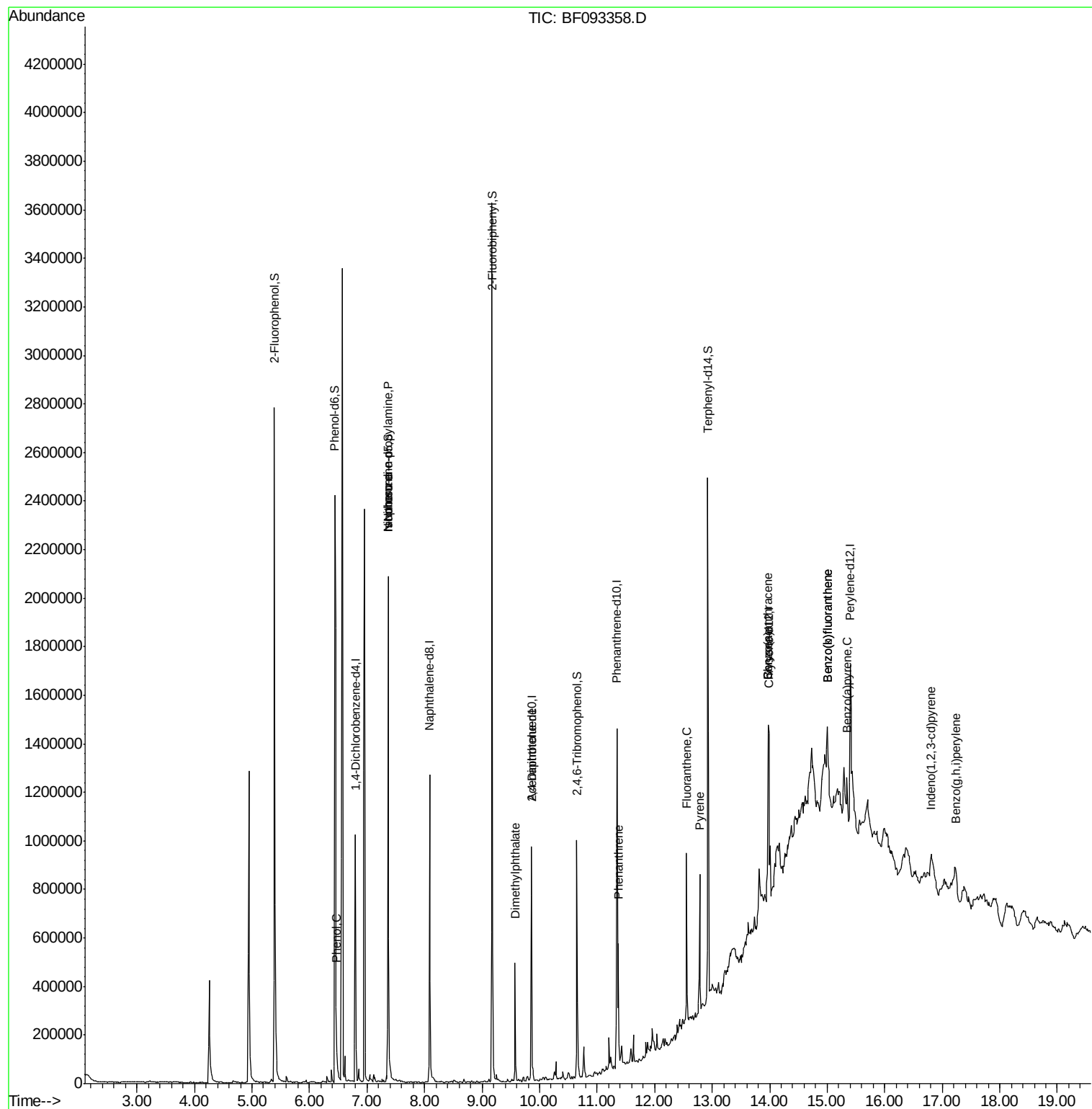
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	155598	20.00	ng	-0.06
21) Naphthalene-d8	8.09	136	625698	20.00	ng	-0.06
38) Acenaphthene-d10	9.86	164	270942	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	485378	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	328877	20.00	ng	-0.03
86) Perylene-d12	15.40	264	297569	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	841544	92.79	ng	-0.06
7) Phenol-d6	6.44	99	1167850	100.08	ng	-0.05
23) Nitrobenzene-d5	7.37	82	725227	64.55	ng	-0.06
41) 2,4,6-Tribromophenol	10.65	330	109451	55.85	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	1150357	76.92	ng	-0.05
78) Terphenyl-d14	12.92	244	812977	58.08	ng	-0.05
Target Compounds						Qvalue
10) Phenol	6.46	94	50922	3.73	ng	# 71
19) n-Nitroso-di-n-propylamine	7.37	70	97464	13.12	ng	# 84
25) Isophorone	7.37	82	665607	31.79	ng	# 65
49) Dimethylphthalate	9.57	163	192401	10.54	ng	99
56) 2,4-Dinitrotoluene	9.86	165	34290	6.54	ng	# 21
70) Phenanthrene	11.37	178	181763	6.54	ng	97
74) Fluoranthene	12.56	202	269736	9.40	ng	97
77) Pyrene	12.79	202	240470	9.77	ng	98
80) Benzo(a)anthracene	13.97	228	145707	7.24	ng	99
82) Chrysene	13.97	228	145707	7.74	ng	96
85) Indeno(1,2,3-cd)pyrene	16.81	276	46887	3.21	ng	98
87) Benzo(b)fluoranthene	15.00	252	175557	8.96	ng	# 85
88) Benzo(k)fluoranthene	15.00	252	175557	10.38	ng	# 85
89) Benzo(a)pyrene	15.35	252	92757	5.48	ng	# 82
91) Benzo(a,h,i)perylene	17.23	276	41272	2.98	ng	# 82

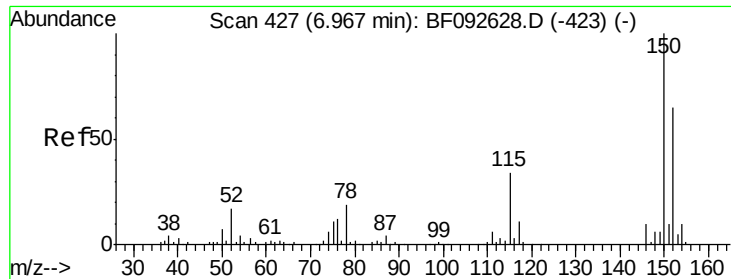
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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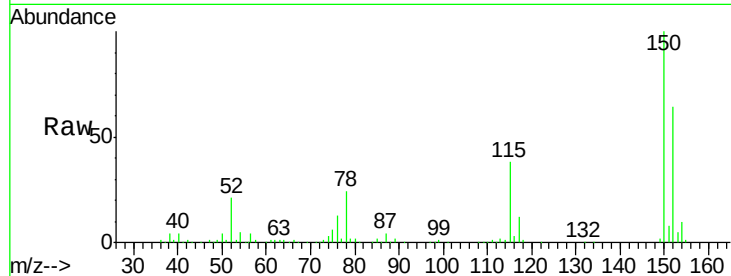


#1

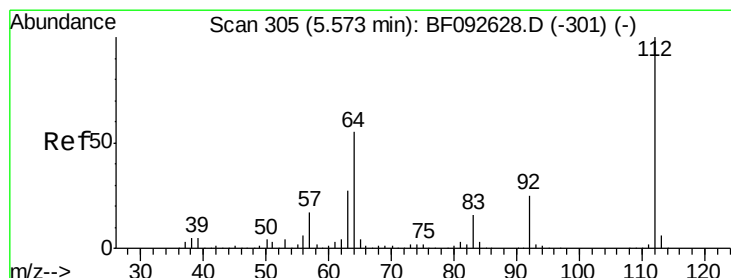
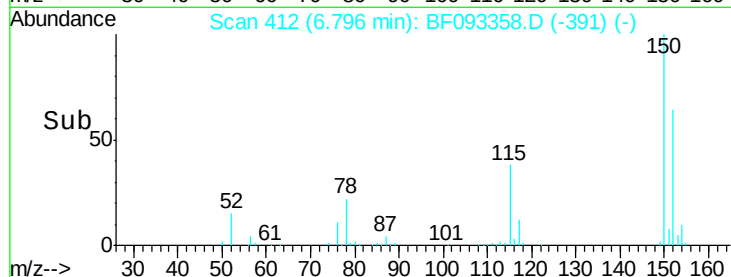
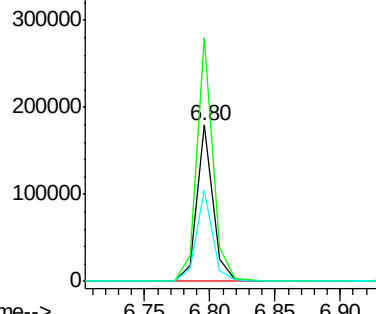
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 412
 Delta R.T. -0.06 min
 Lab File: BF093358.D
 Acq: 3 Mar 2017 12:55

Instrument :
 BNA_F
 ClientSampleId :
 34B-4

Tot Ion:152 Resp: 155598
 Ion Ratio Lower Upper
 152 100
 150 156.1 124.9 187.3
 115 58.9 46.0 69.0



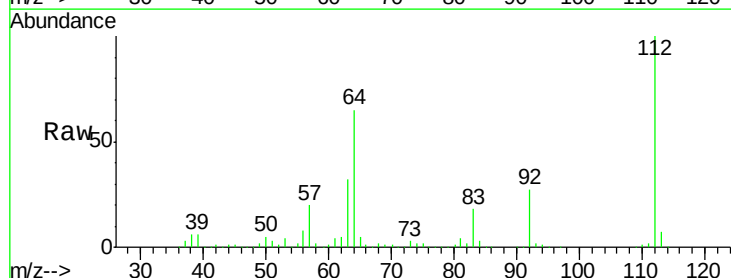
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



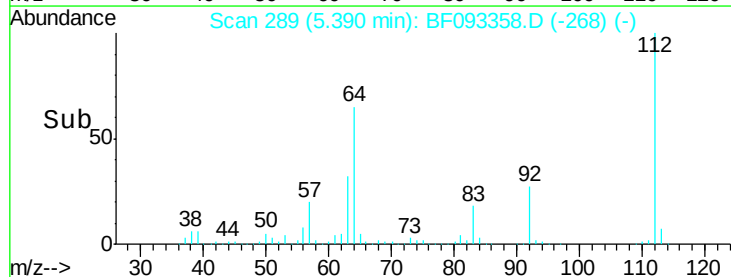
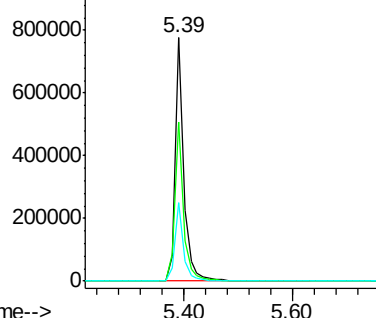
#5

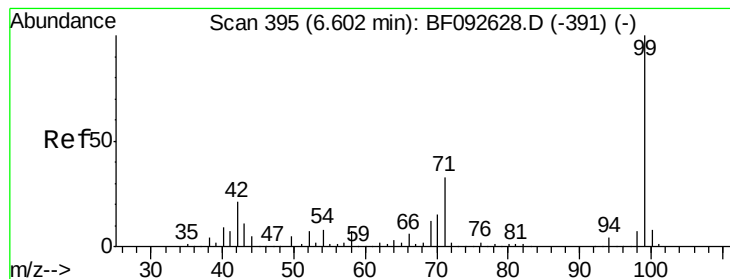
2-Fluorophenol
 Concen: 92.79 ng
 RT: 5.39 min Scan# 289
 Delta R.T. -0.06 min
 Lab File: BF093358.D
 Acq: 3 Mar 2017 12:55

Tgt Ion:112 Resp: 841544
 Ion Ratio Lower Upper
 112 100
 64 65.2 46.1 69.1
 63 32.1 23.8 35.6



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: 100.08 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.05 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

Instrument :

BNA_F

ClientSampleId :

34B-4

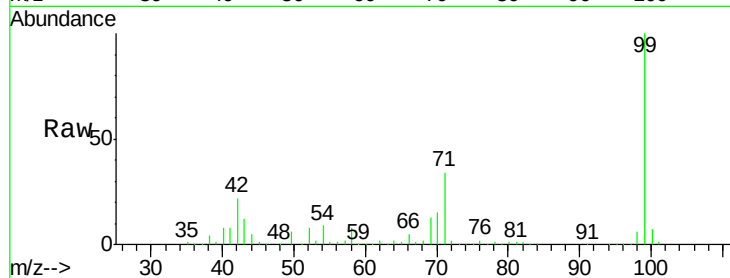
Tot Ion: 99 Resp: 1167850

Ion Ratio Lower Upper

99 100

42 22.2 15.6 23.4

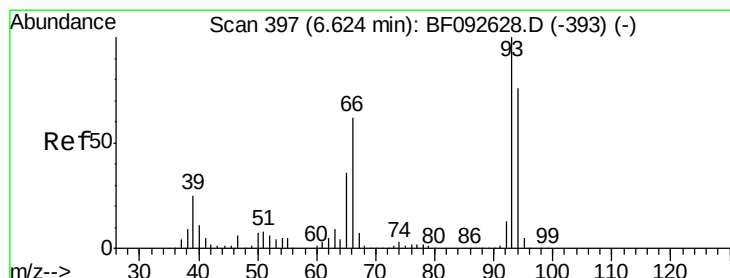
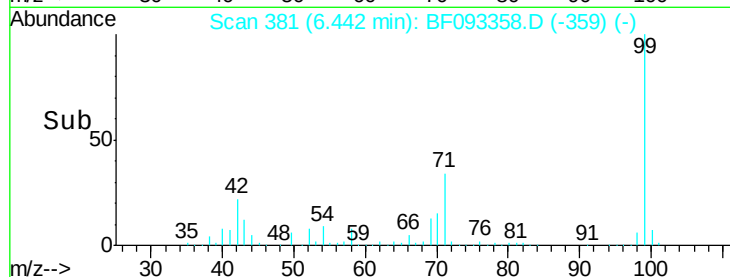
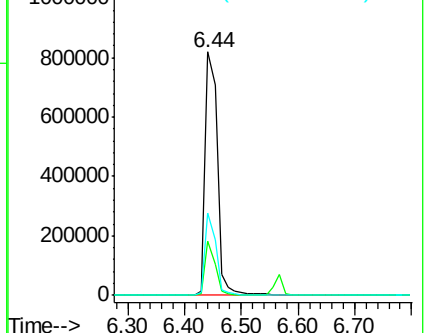
71 33.6 27.5 41.3



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



#10

Phenol

Concen: 3.73 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

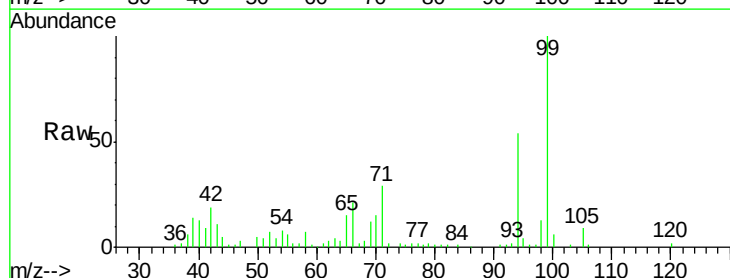
Tgt Ion: 94 Resp: 50922

Ion Ratio Lower Upper

94 100

65 26.9 21.4 61.4

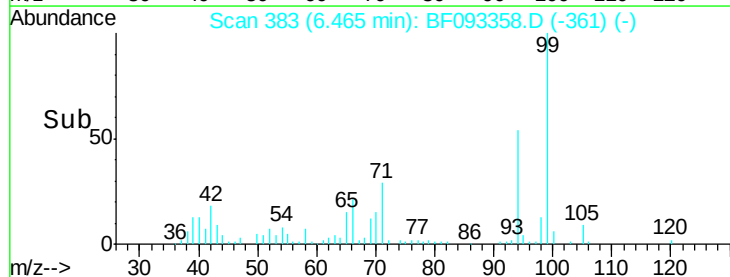
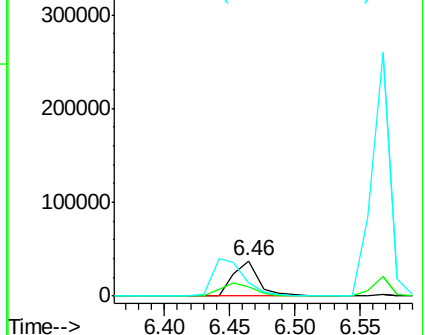
66 38.4 44.0 84.0#

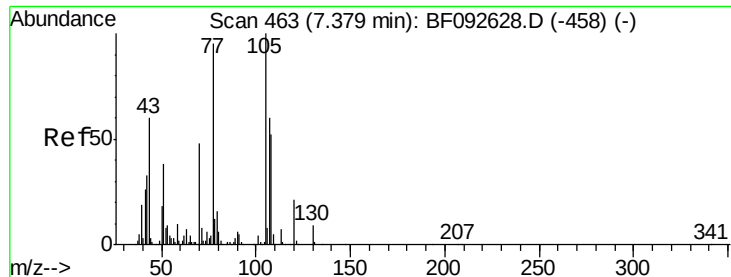


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

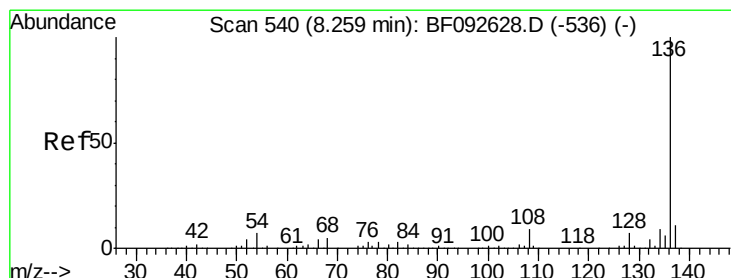
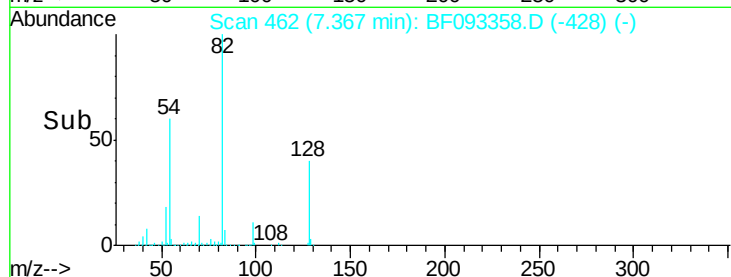
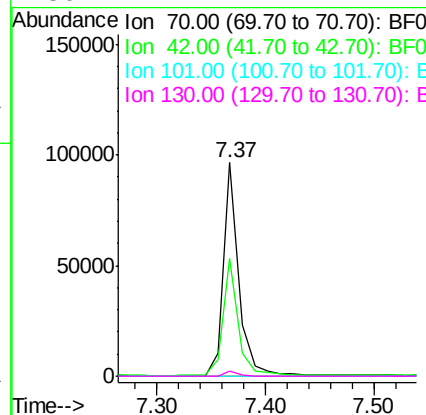
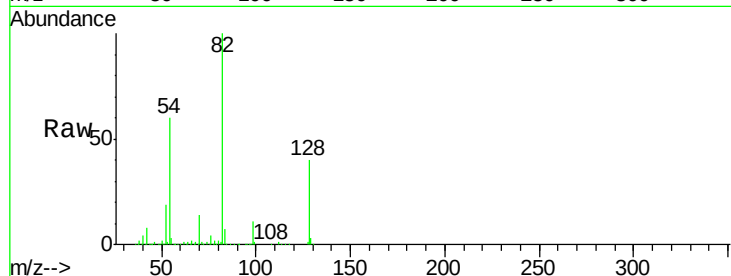




#19
n-Nitroso-di-n-propylamine
Concen: 13.12 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.09 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

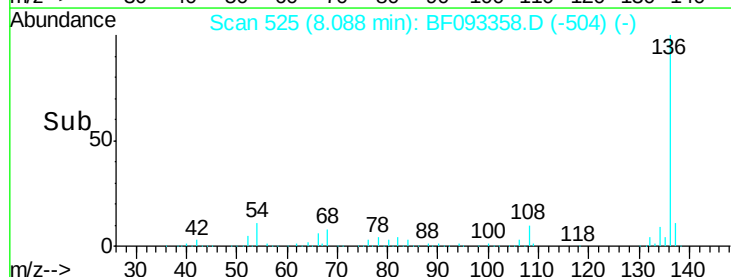
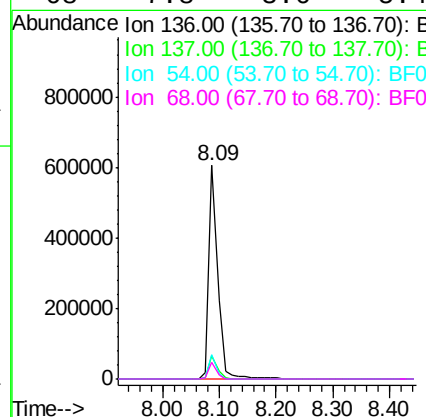
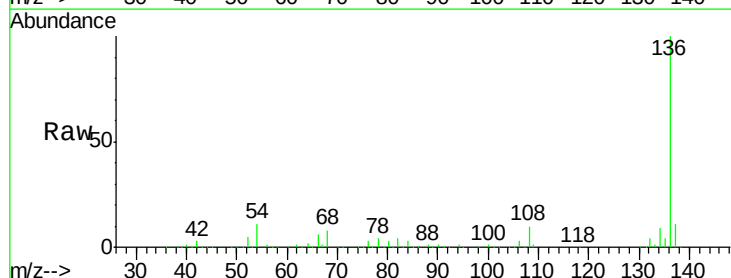
Instrument :
BNA_F
ClientSampleId :
34B-4

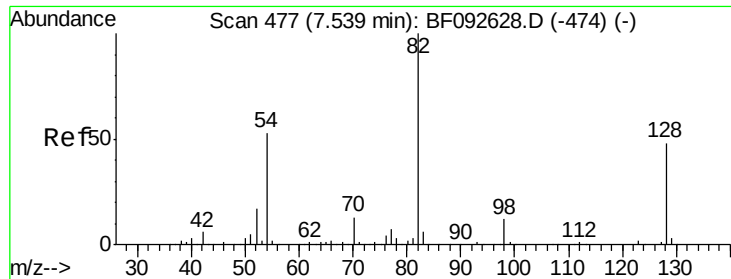
Tot Ion: 70 Resp: 97464
Ion Ratio Lower Upper
70 100
42 55.2 49.4 74.0
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Tgt Ion: 136 Resp: 625698
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 11.4 4.5 6.7#
68 7.8 3.6 5.4#

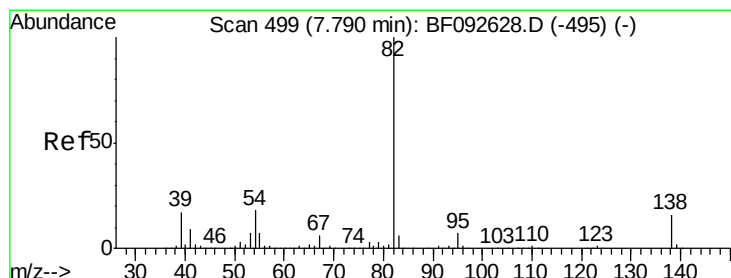
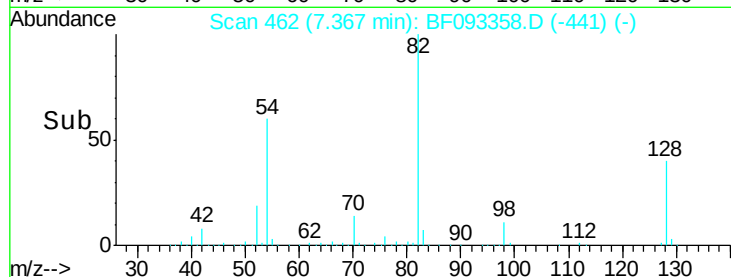
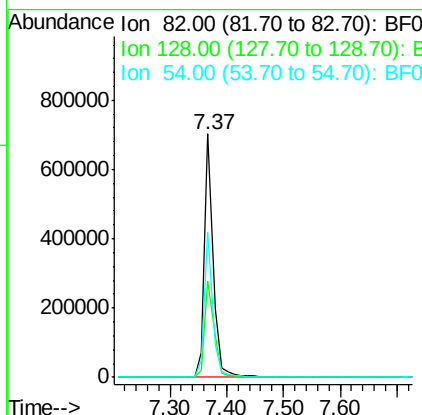
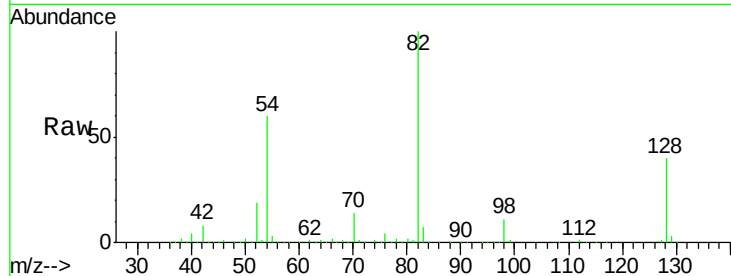




#23
Nitrobenzene-d5
Concen: 64.55 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.06 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

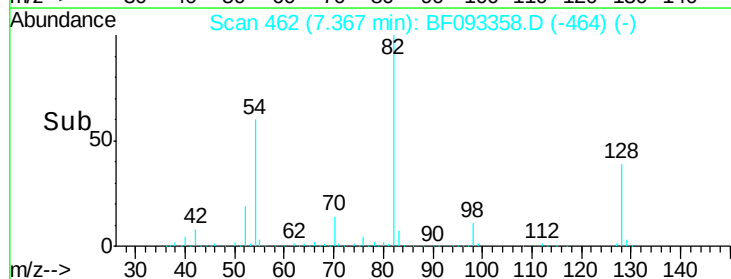
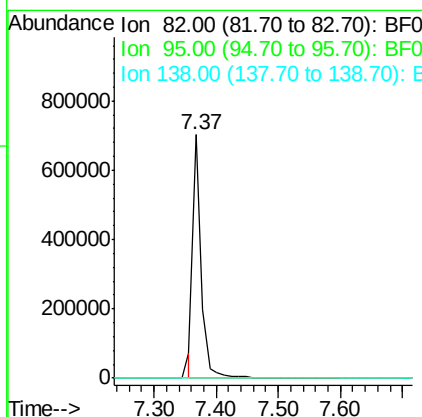
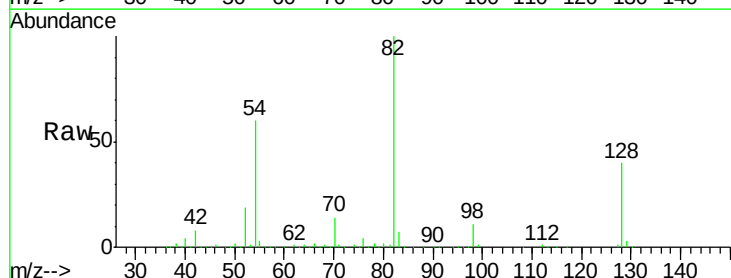
Instrument :
BNA_F
ClientSampled :
34B-4

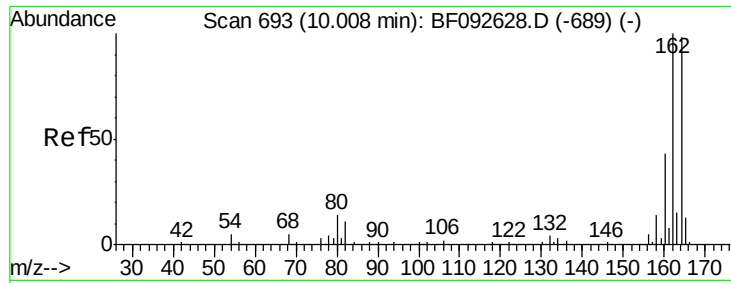
Tot Ion: 82 Resp: 725227
Ion Ratio Lower Upper
82 100
128 39.6 34.6 52.0
54 59.7 39.5 59.3#



#25
Isophorone
Concen: 31.79 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.32 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Tgt Ion: 82 Resp: 665607
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.6 22.0#

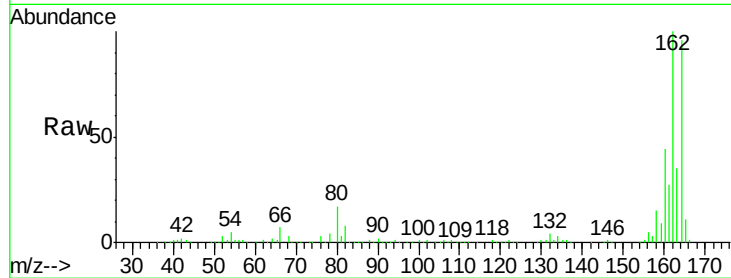




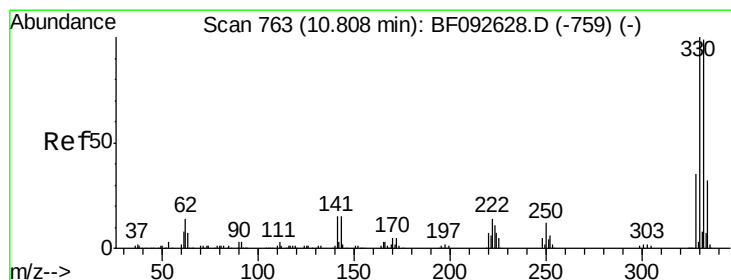
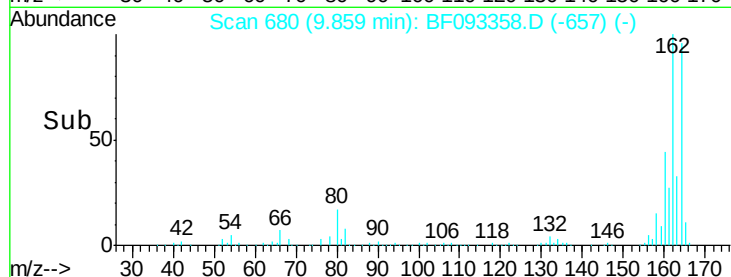
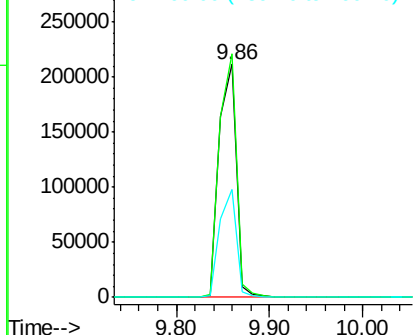
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.03 min
 Lab File: BF093358.D
 Acq: 3 Mar 2017 12:55

Instrument :
 BNA_F
 ClientSampleId :
 34B-4

Tot Ion:164 Resp: 270942
 Ion Ratio Lower Upper
 164 100
 162 104.4 80.2 120.2
 160 46.1 36.9 55.3

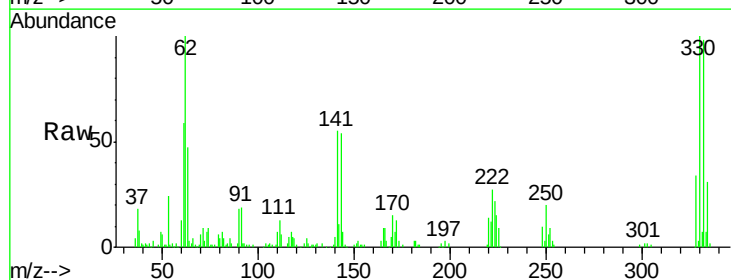


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

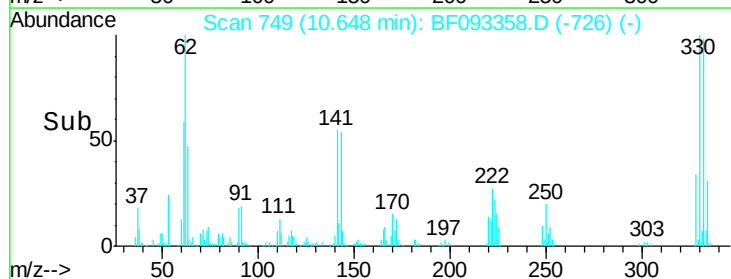
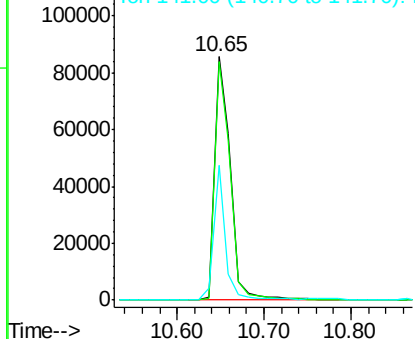


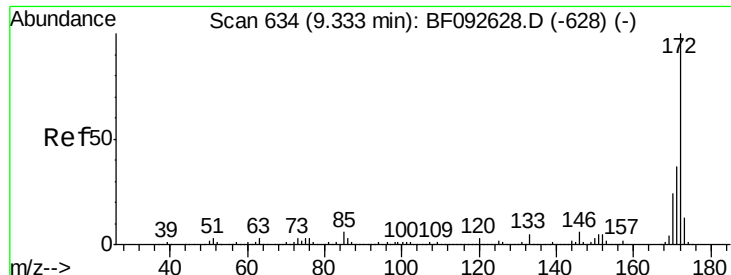
#41
 2,4,6-Tribromophenol
 Concen: 55.85 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093358.D
 Acq: 3 Mar 2017 12:55

Tgt Ion:330 Resp: 109451
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 41.8 34.1 51.1



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

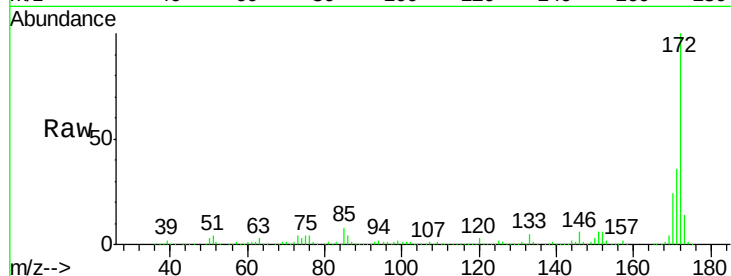




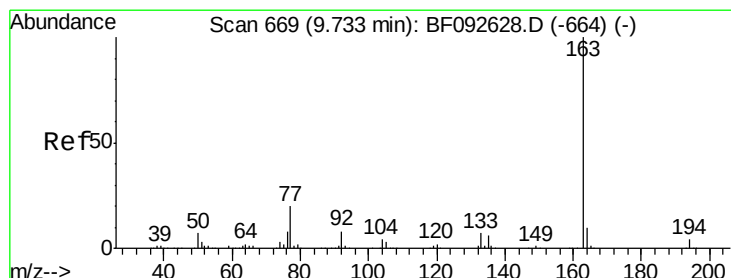
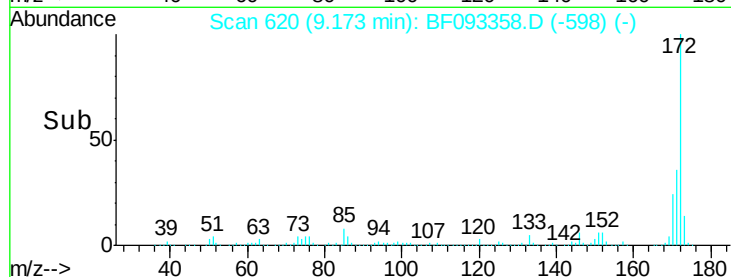
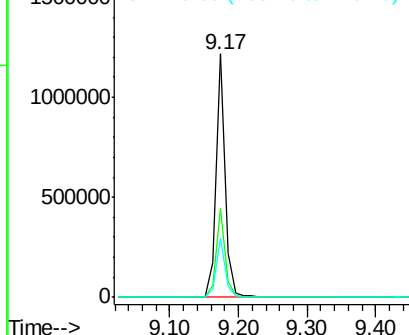
#44
2-Fluorobiphenyl
Concen: 76.92 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Instrument :
BNA_F
ClientSampleId :
34B-4

Tot Ion:172 Resp: 1150357
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 24.5 20.2 30.4

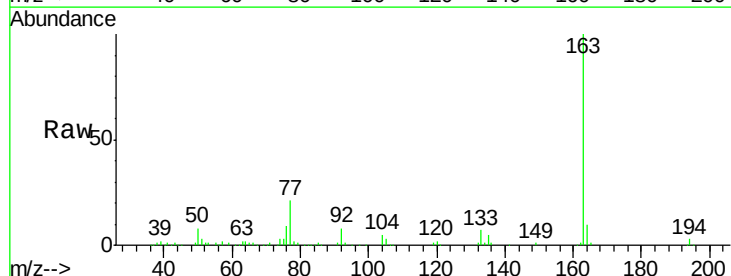


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

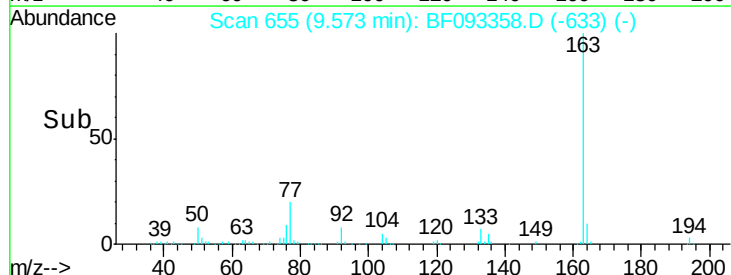
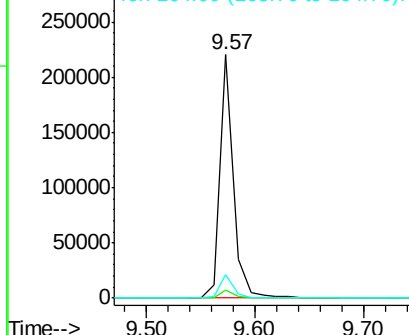


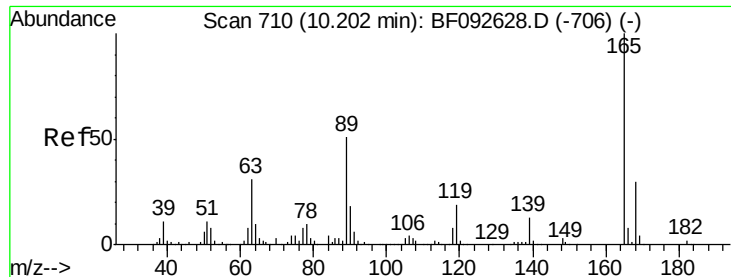
#49
Dimethylphthalate
Concen: 10.54 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Tgt Ion:163 Resp: 192401
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 9.7 8.0 12.0



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

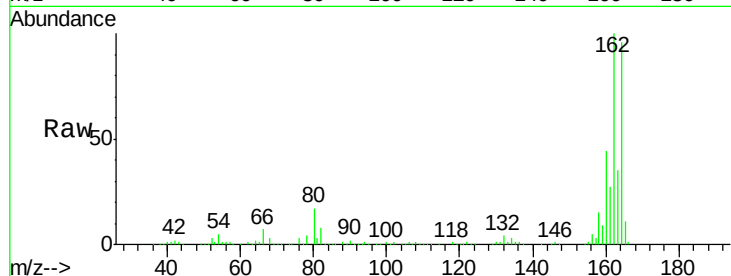




#56
 2,4-Dinitrotoluene
 Concen: 6.54 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.23 min
 Lab File: BF093358.D
 Acq: 3 Mar 2017 12:55

Instrument :
 BNA_F
 ClientSampleId :
 34B-4

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.2	60.4#
89	1.8	62.5	93.7#
182	0.0	1.8	2.8#

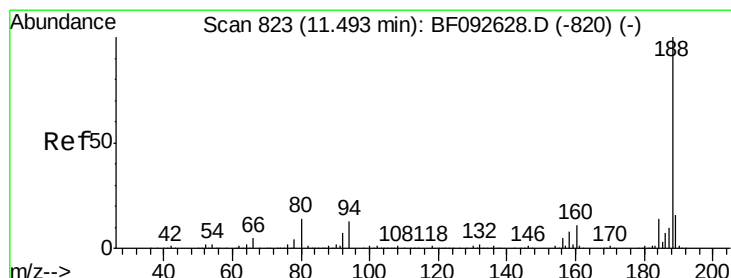
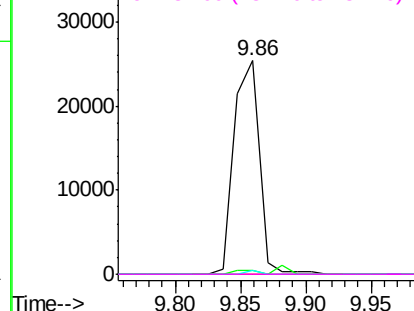
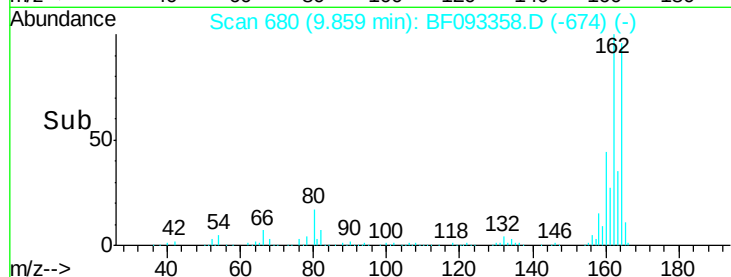


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

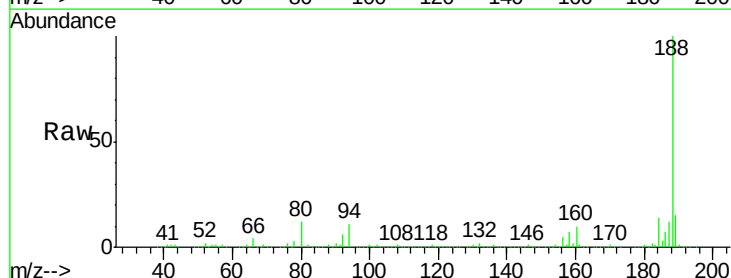
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 810
 Delta R.T. -0.03 min
 Lab File: BF093358.D
 Acq: 3 Mar 2017 12:55

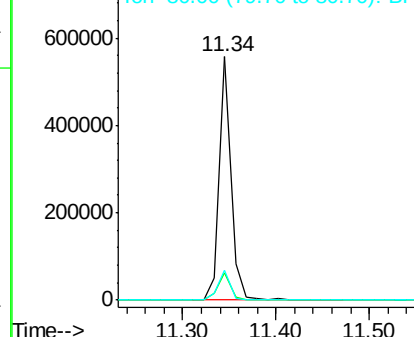
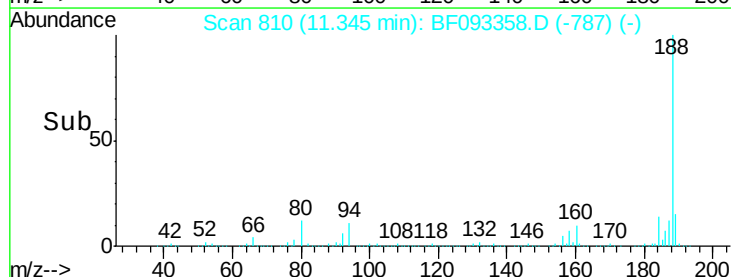
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	10.0	15.0
80	12.3	11.2	16.8

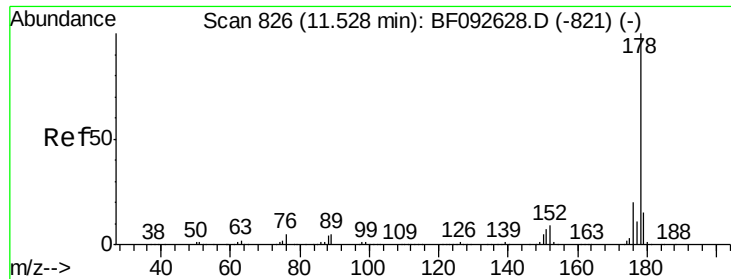


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

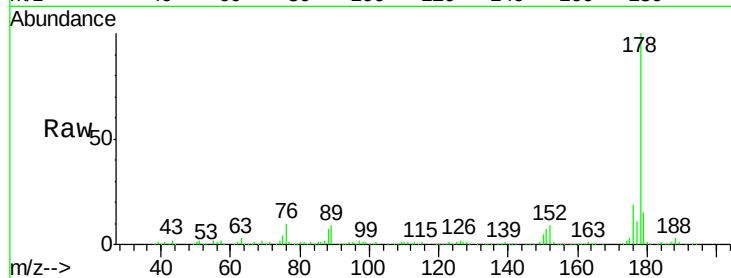




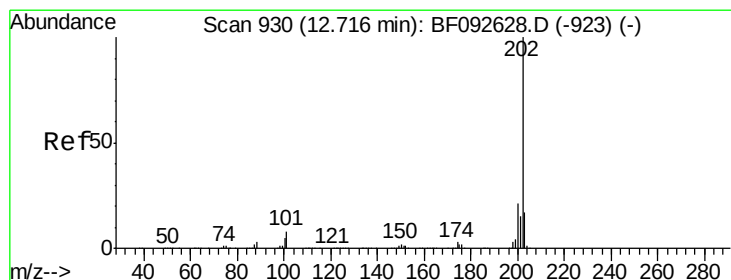
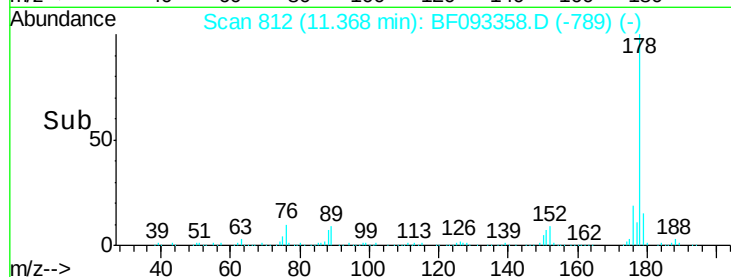
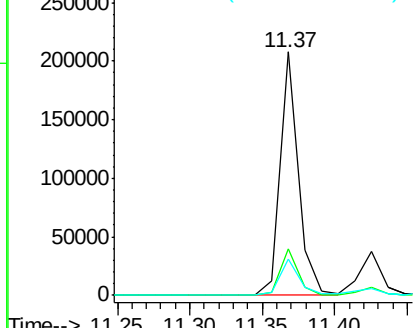
#70
Phenanthrene
Concen: 6.54 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Instrument :
BNA_F
ClientSampleId :
34B-4

Tot Ion:178 Resp: 181763
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 15.1 12.8 19.2

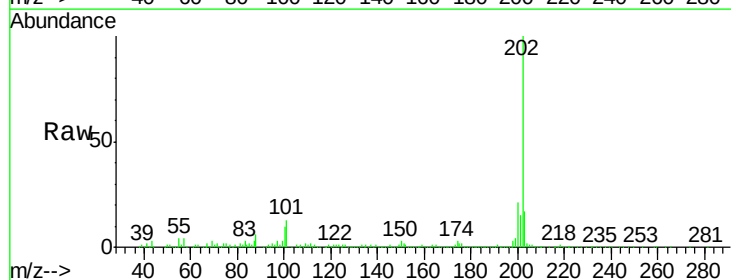


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

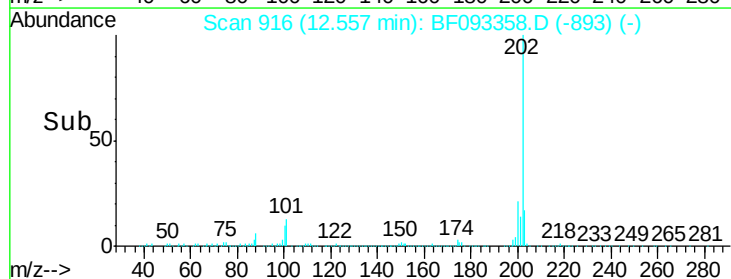
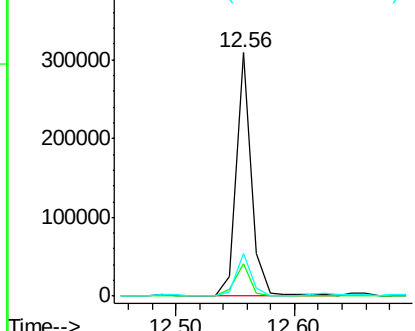


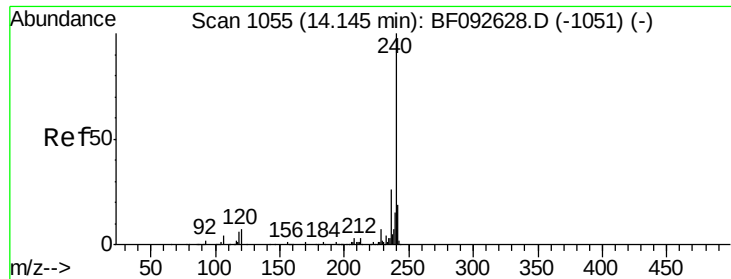
#74
Fluoranthene
Concen: 9.40 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.03 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Tgt Ion:202 Resp: 269736
Ion Ratio Lower Upper
202 100
101 13.3 0.0 34.6
203 17.4 0.0 38.7



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: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

Instrument :

BNA_F

ClientSampleId :

34B-4

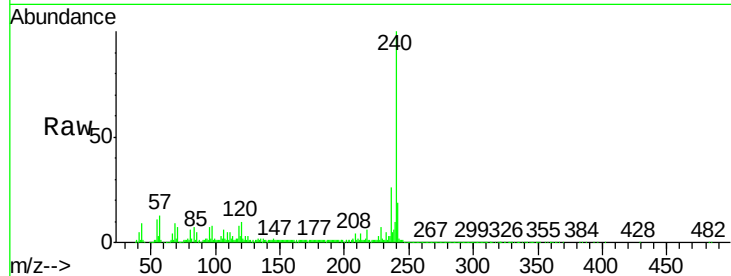
Tot Ion:240 Resp: 328877

Ion Ratio Lower Upper

240 100

120 9.6 12.9 19.3#

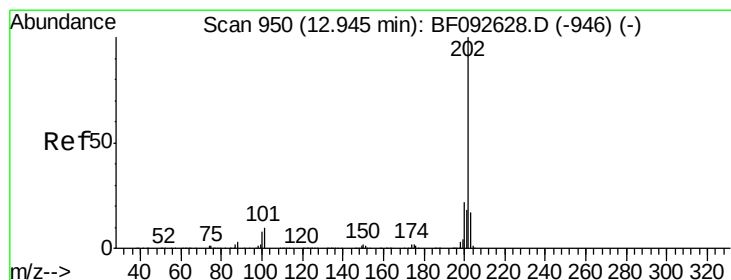
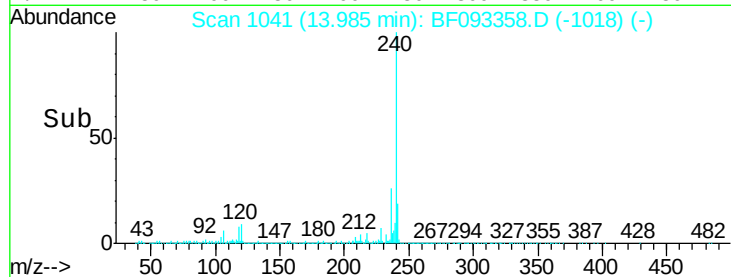
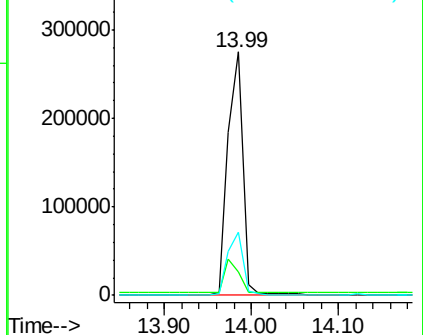
236 25.9 20.9 31.3



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: 9.77 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

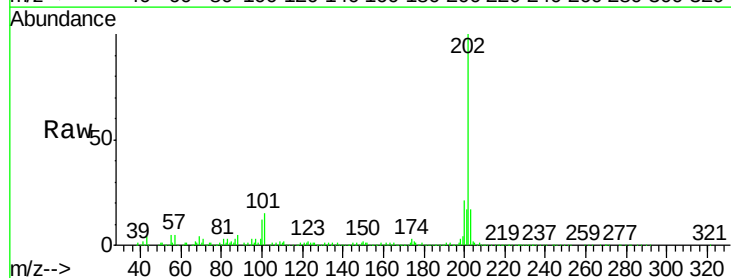
Tgt Ion:202 Resp: 240470

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

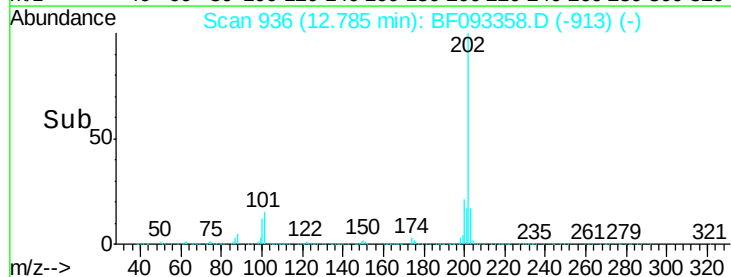
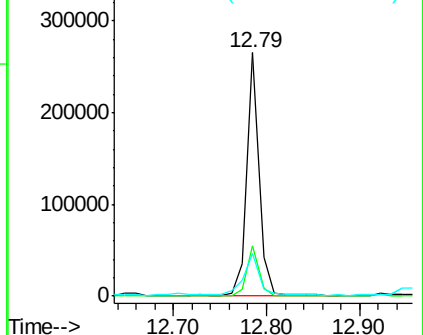
203 17.4 14.7 22.1

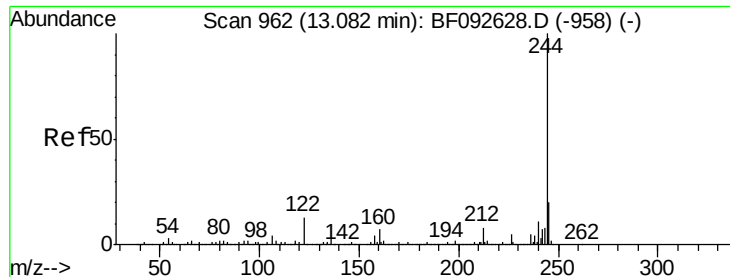


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.08 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

Instrument :

BNA_F

ClientSampleId :

34B-4

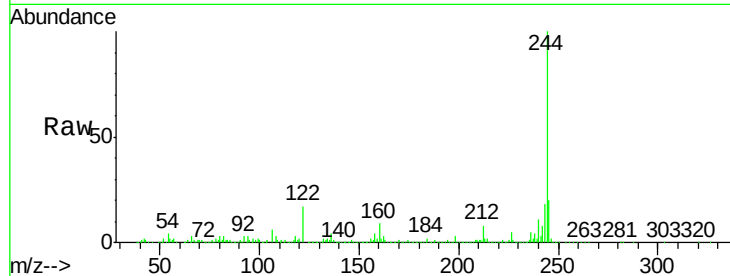
Tot Ion:244 Resp: 812977

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

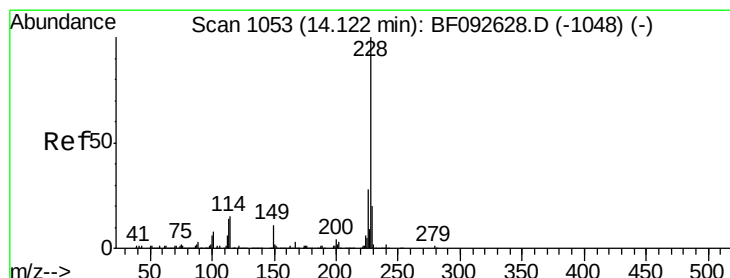
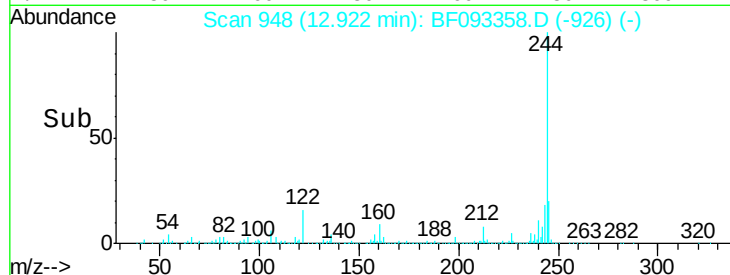
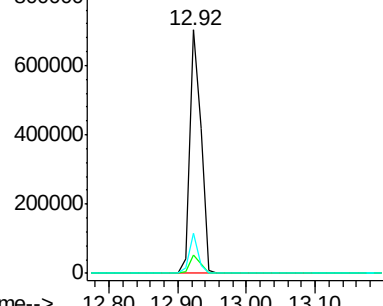
122 16.5 11.4 17.2



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: 7.24 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.03 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

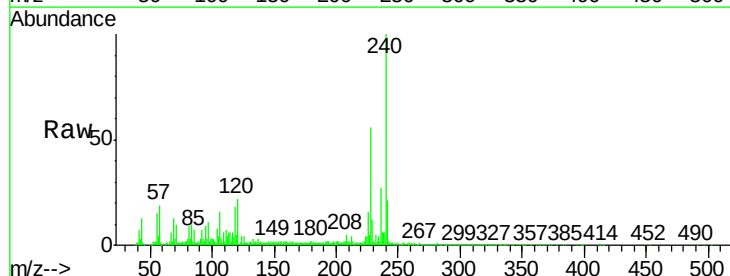
Tgt Ion:228 Resp: 145707

Ion Ratio Lower Upper

228 100

226 28.1 22.4 33.6

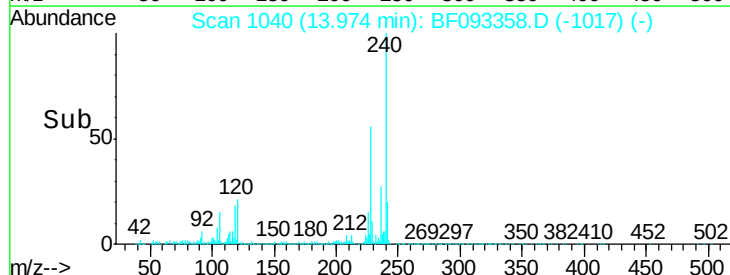
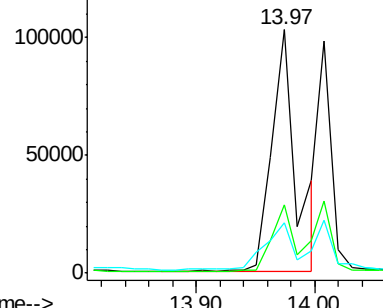
229 20.8 16.2 24.4

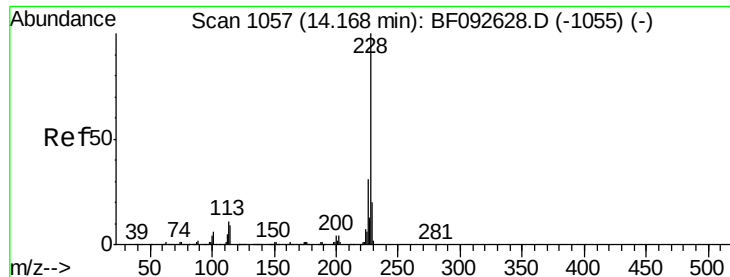


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.74 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.07 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

Instrument :

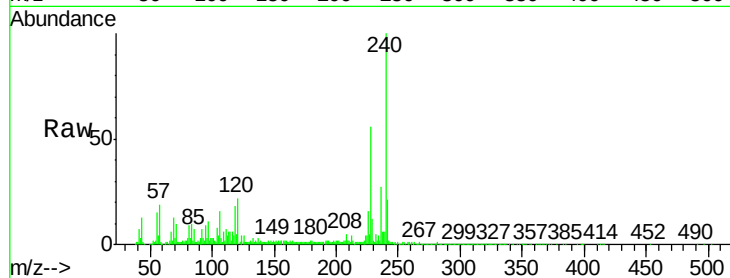
BNA_F

ClientSampleId :

34B-4

Tot Ion:228 Resp: 145707

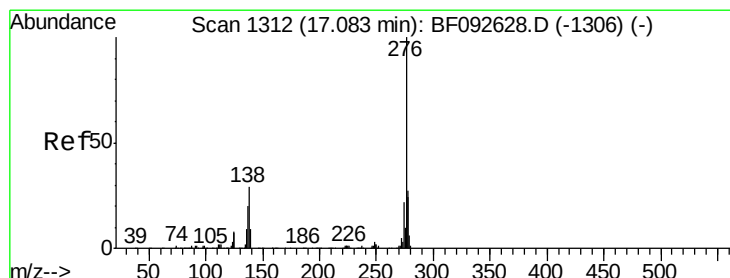
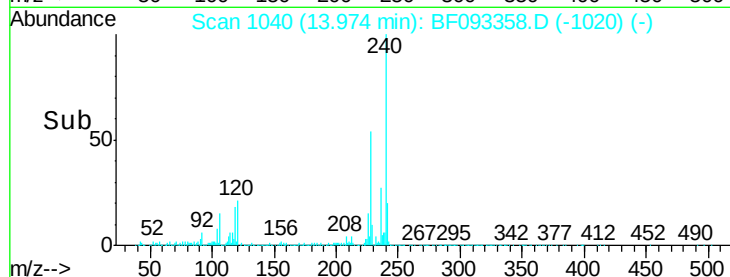
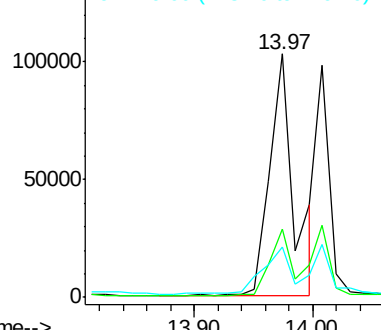
Ion	Ratio	Lower	Upper
228	100		
226	28.1	25.4	38.0
229	20.8	16.2	24.2



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: 3.21 ng

RT: 16.81 min Scan# 1288

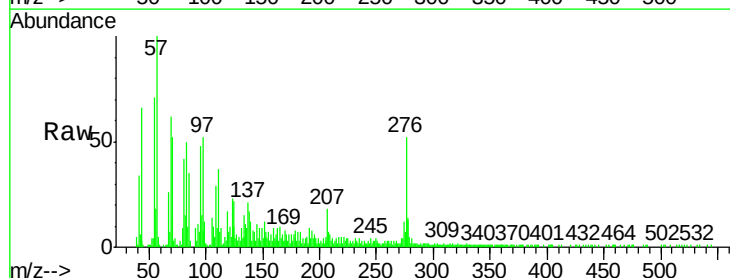
Delta R.T. -0.05 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

Tgt Ion:276 Resp: 46887

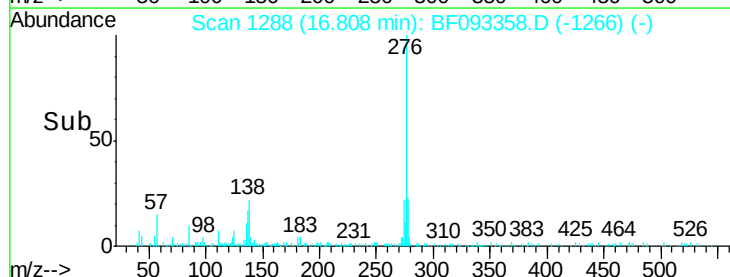
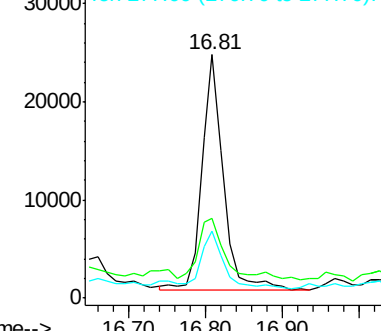
Ion	Ratio	Lower	Upper
276	100		
138	28.2	21.8	32.6
277	26.1	20.2	30.4

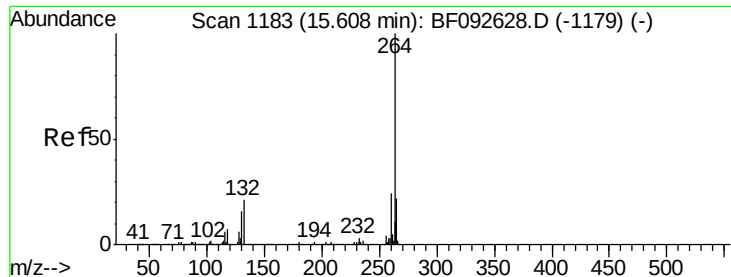


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

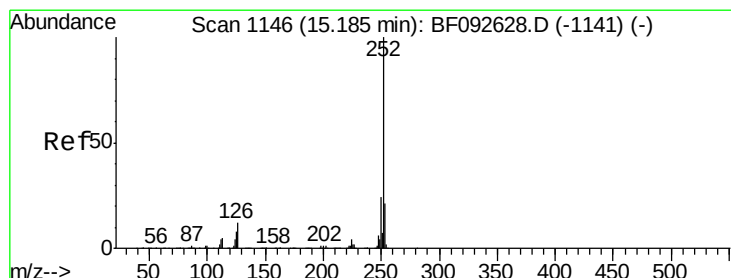
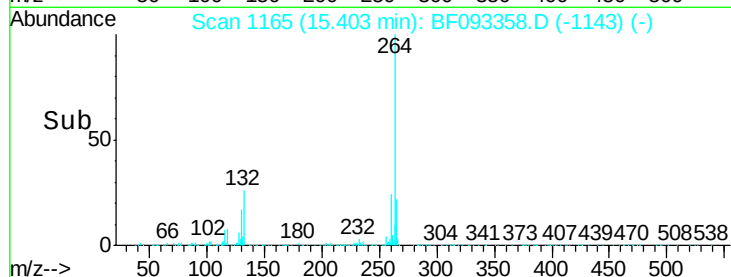
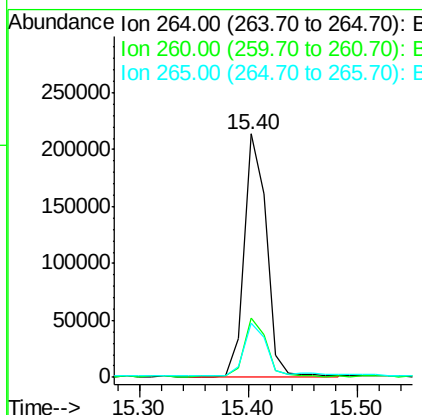
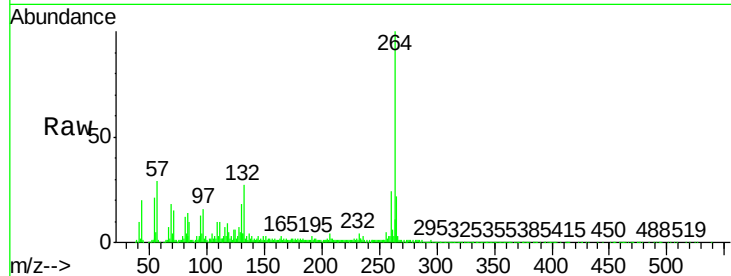




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

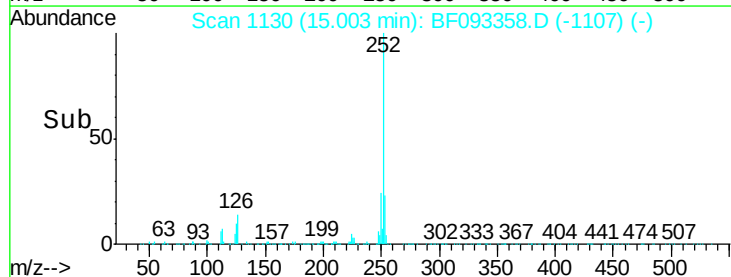
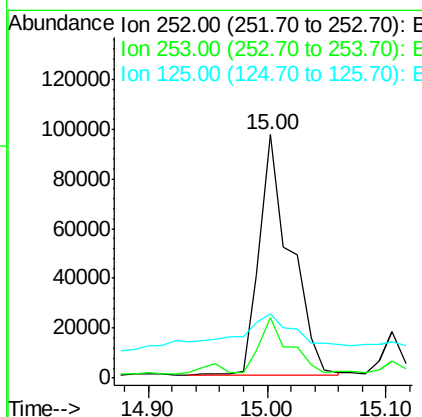
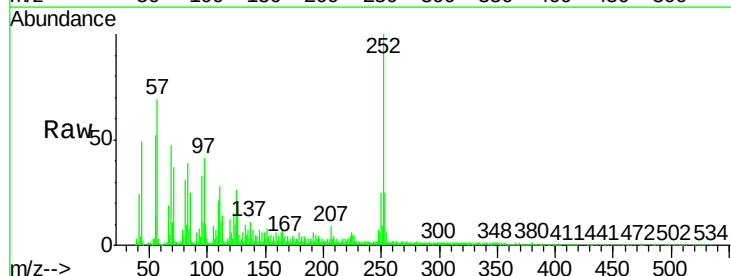
Instrument :
BNA_F
ClientSampled :
34B-4

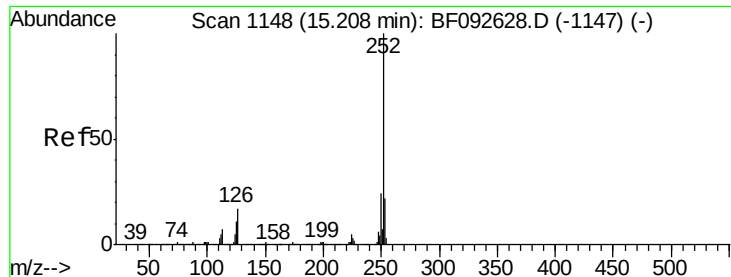
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.4	17.4	26.0



#87
Benzo(b)fluoranthene
Concen: 8.96 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	26.4	9.8	14.6

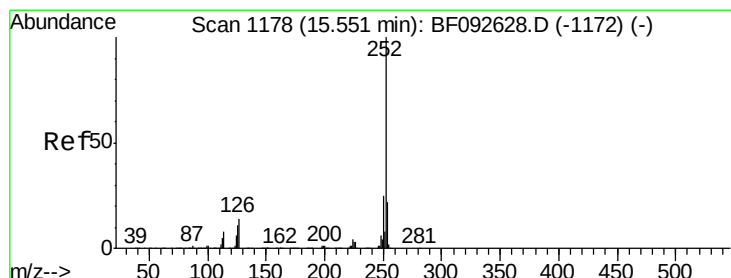
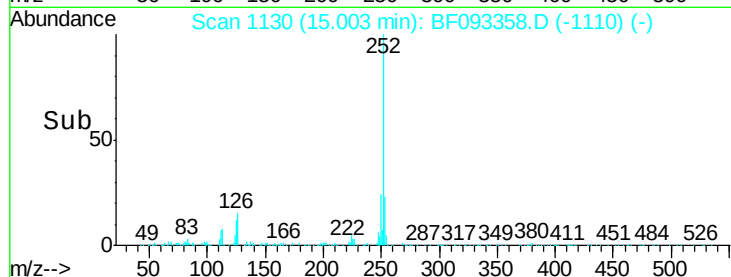
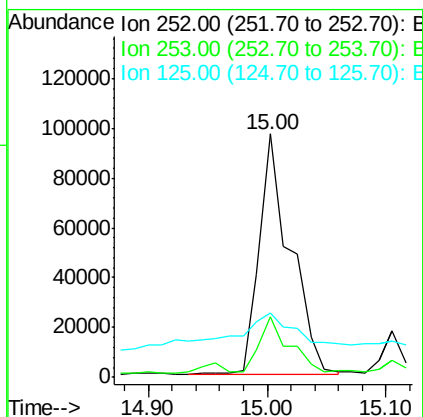
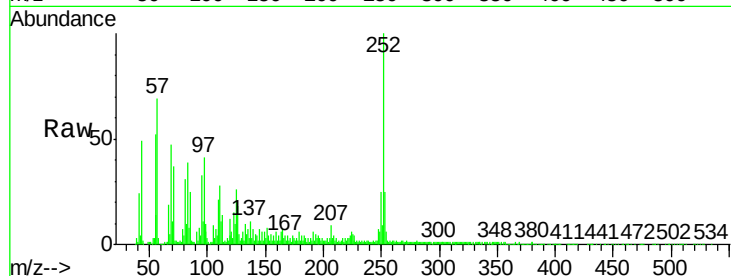




#88
Benzo(k)fluoranthene
Concen: 10.38 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

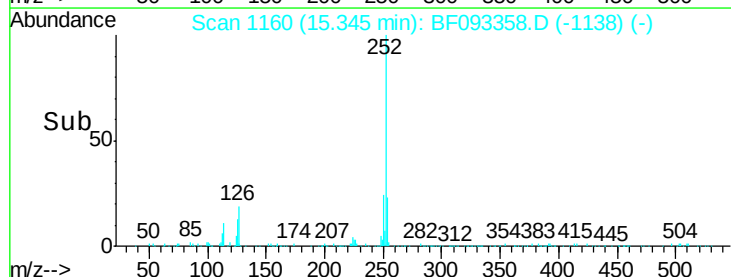
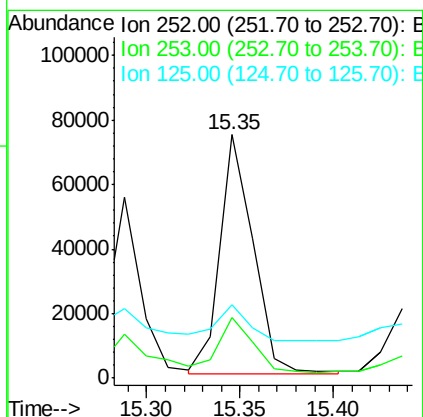
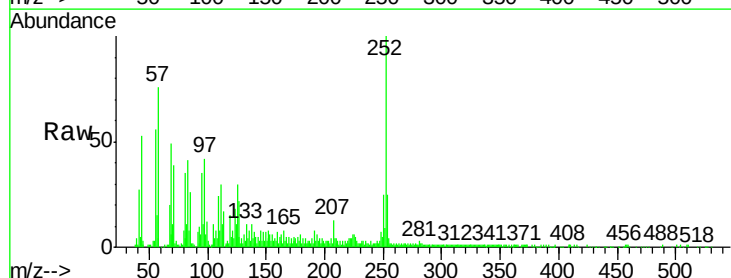
Instrument :
BNA_F
ClientSampleId :
34B-4

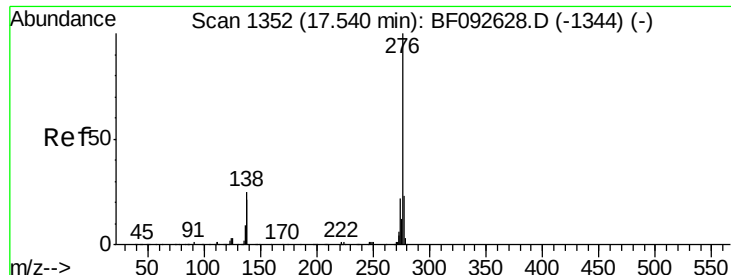
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.5	27.7
125	26.4	8.9	13.3



#89
Benzo(a)pyrene
Concen: 5.48 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	29.9	10.0	15.0





#91
 Benzo(a,h,i)perylene
 Concen: 2.98 ng
 RT: 17.23 min Scan# 1325
 Delta R.T. -0.06 min
 Lab File: BF093358.D
 Acq: 3 Mar 2017 12:55

Instrument :
 BNA_F
 ClientSampleId :
 34B-4

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	35.4	16.0	24.0

