

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
 Data File : BF094106.D
 Acq On : 31 Mar 2017 19:52
 Operator : SJ/MA
 Sample : I2463-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 31 23:10:13 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	180973	20.00	ng	0.00
21) Naphthalene-d8	7.40	136	701510	20.00	ng	0.00
38) Acenaphthene-d10	9.54	164	300916	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	480873	20.00	ng	-0.01
75) Chrysene-d12	14.62	240	306017	20.00	ng	0.00
86) Perylene-d12	16.25	264	287599	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.45	112	1419155	132.45	ng	0.01
7) Phenol-d6	5.51	99	1810886	136.62	ng	0.00
23) Nitrobenzene-d5	6.55	82	1123339	91.38	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	299087	125.78	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	1585464	80.36	ng	0.00
78) Terphenyl-d14	13.34	244	872747	63.93	ng	0.00

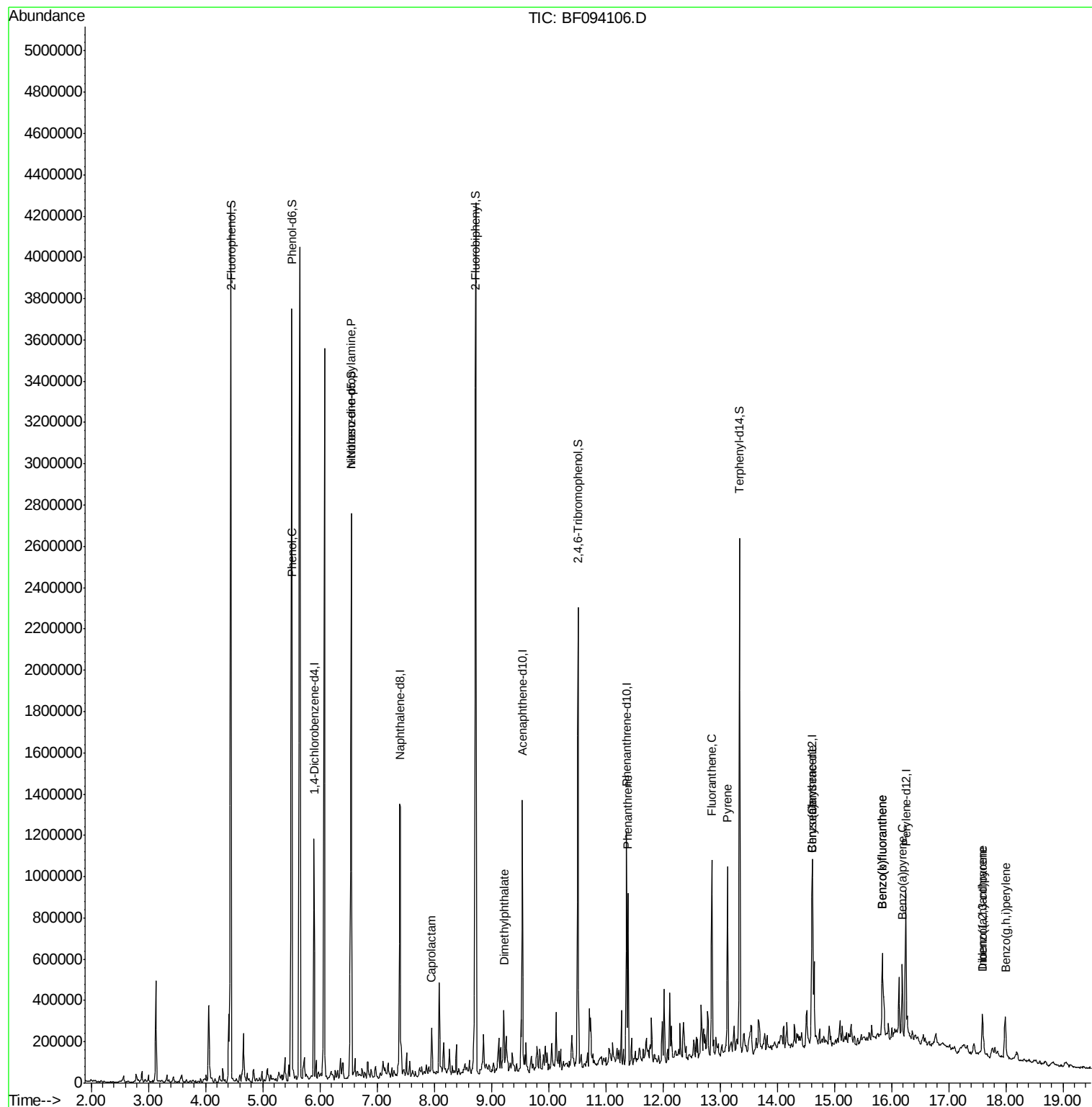
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	5.52	94	30634	2.03	ng	88
19) n-Nitroso-di-n-propylamine	6.55	70	153773	18.05	ng	# 77
35) Caprolactam	7.96	113	6545	2.20	ng	# 66
49) Dimethylphthalate	9.22	163	128698	6.02	ng	99
70) Phenanthrene	11.39	178	323057	12.08	ng	98
74) Fluoranthene	12.86	202	424463	15.50	ng	99
77) Pyrene	13.13	202	385057	17.34	ng	98
80) Benzo(a)anthracene	14.60	228	165534	9.28	ng	95
82) Chrysene	14.60	228	165534	10.00	ng	98
85) Indeno(1,2,3-cd)pyrene	17.59	276	119988	8.37	ng	96
87) Benzo(b)fluoranthene	15.84	252	283716	16.09	ng	# 97
88) Benzo(k)fluoranthene	15.84	252	283716	16.45	ng	98
89) Benzo(a)pyrene	16.19	252	153198	9.44	ng	99
90) Dibenzo(a,h)anthracene	17.60	278	30817	2.24	ng	# 83
91) Benzo(a,h,i)perylene	17.99	276	139997	10.10	ng	98

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

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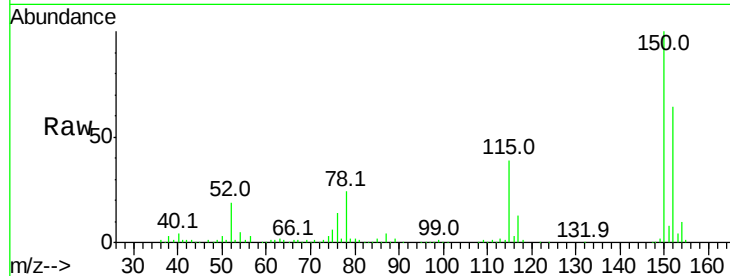


#1

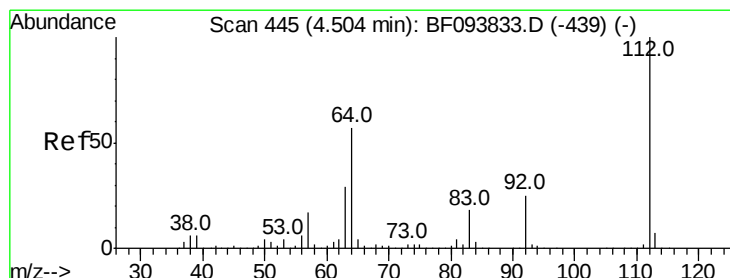
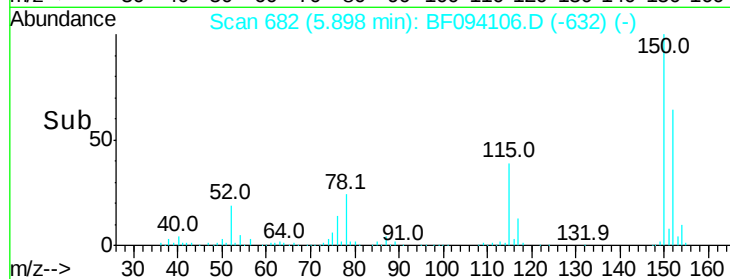
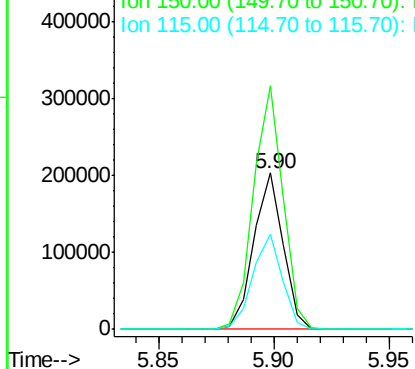
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.90 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF094106.D
 Acq: 31 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 180973
 Ion Ratio Lower Upper
 152 100
 150 155.7 126.2 189.2
 115 61.0 52.2 78.2



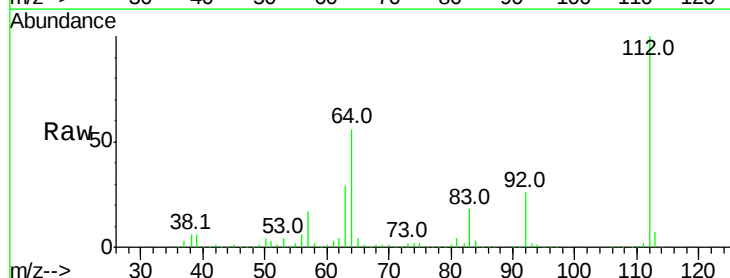
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



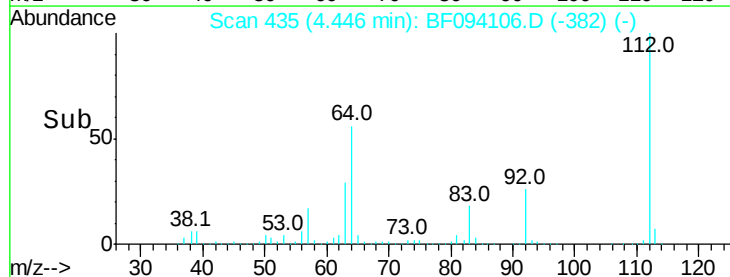
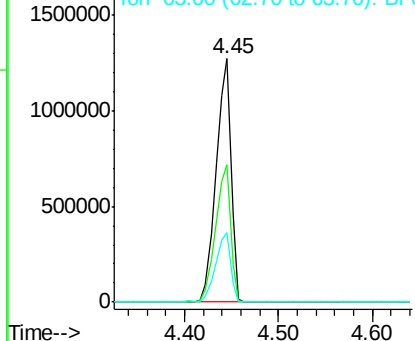
#5

2-Fluorophenol
 Concen: 132.45 ng
 RT: 4.45 min Scan# 435
 Delta R.T. 0.01 min
 Lab File: BF094106.D
 Acq: 31 Mar 2017 19:52

Tgt Ion:112 Resp: 1419155
 Ion Ratio Lower Upper
 112 100
 64 56.5 46.0 69.0
 63 28.6 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: 136.62 ng

RT: 5.51 min Scan# 616

Delta R.T. -0.00 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

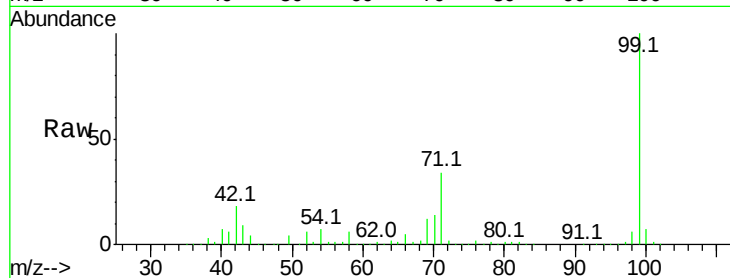
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1810886

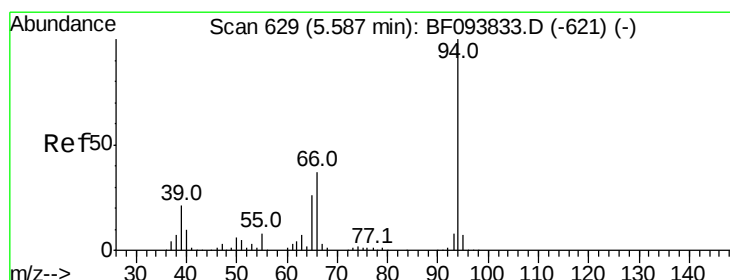
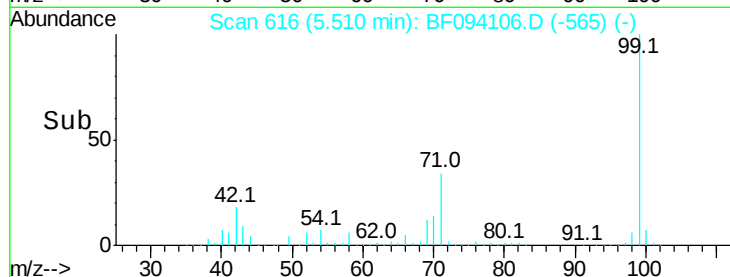
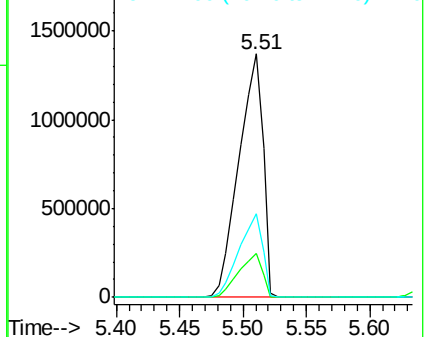
Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.5	20.3
71	34.1	24.5	36.7



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



#10

Phenol

Concen: 2.03 ng

RT: 5.52 min Scan# 618

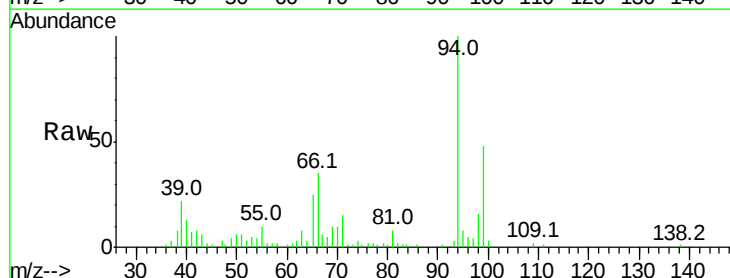
Delta R.T. -0.01 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

Tgt Ion: 94 Resp: 30634

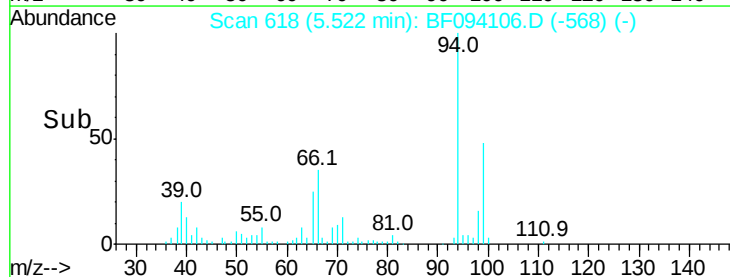
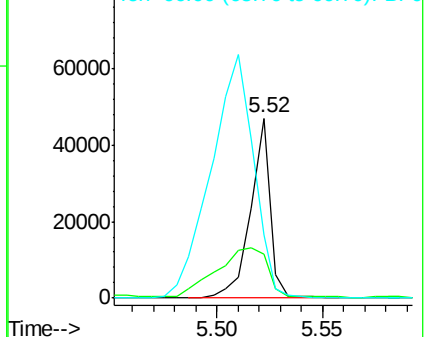
Ion	Ratio	Lower	Upper
94	100		
65	24.5	9.9	49.9
66	35.0	23.1	63.1



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





#19

n-Nitroso-di-n-propylamine

Concen: 18.05 ng

RT: 6.55 min Scan# 793

Delta R.T. 0.16 min

Lab File: BF094106.D

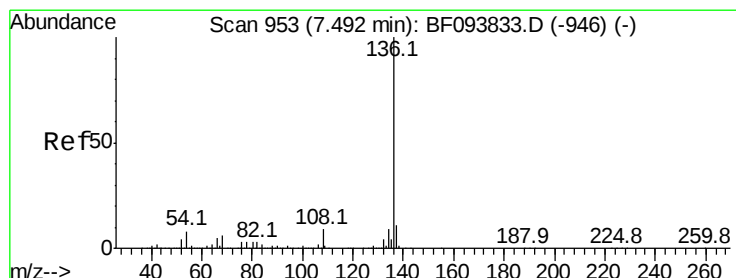
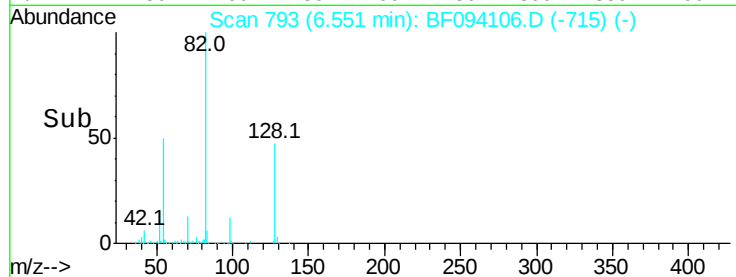
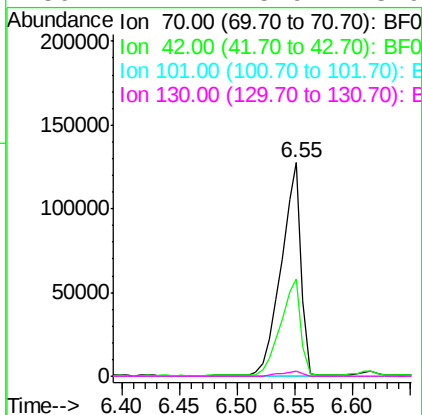
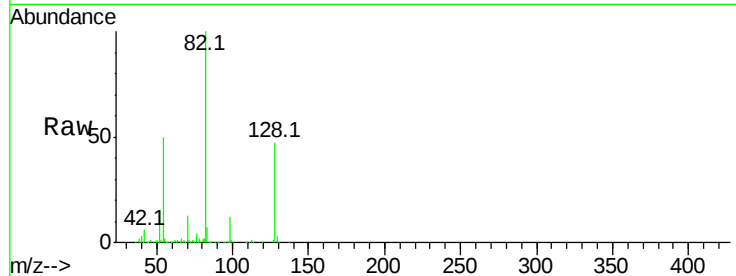
Acq: 31 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	153773
Ion	Ratio	Lower	Upper
70	100		
42	45.5	47.2	70.8#
101	0.0	7.2	10.8#
130	2.4	15.9	23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

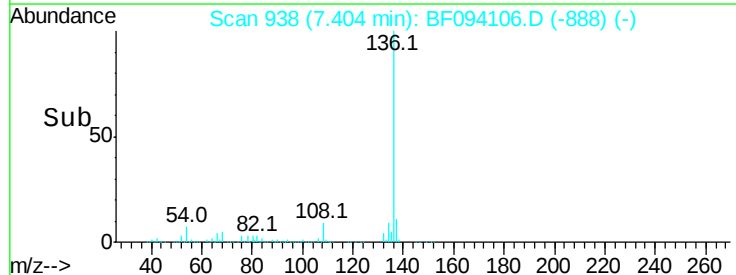
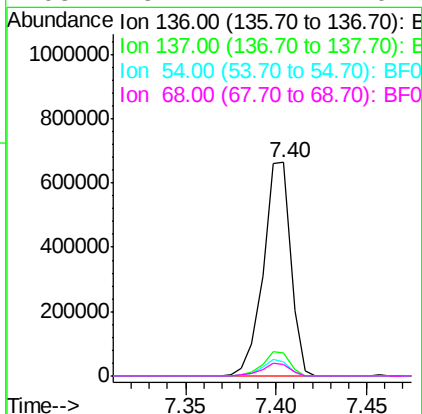
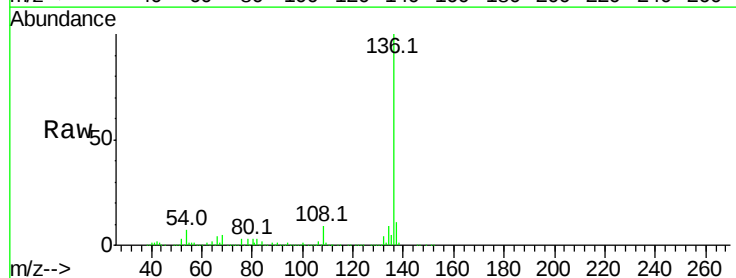
RT: 7.40 min Scan# 938

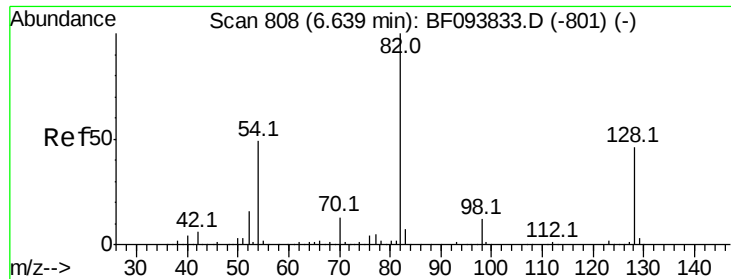
Delta R.T. -0.01 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

Tgt Ion:	136	Resp:	701510
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	6.7	4.9	7.3
68	5.4	4.1	6.1

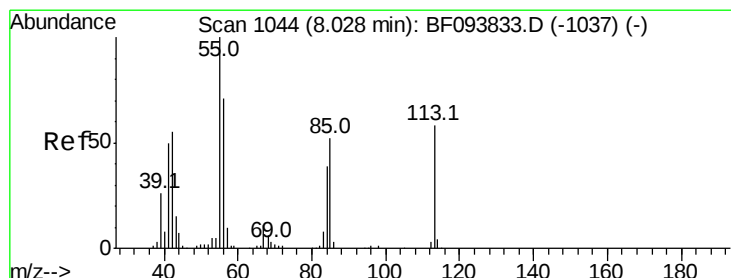
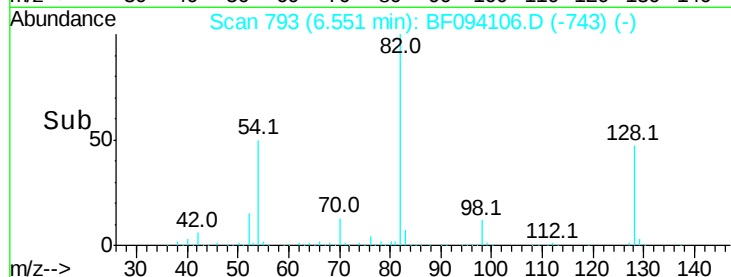
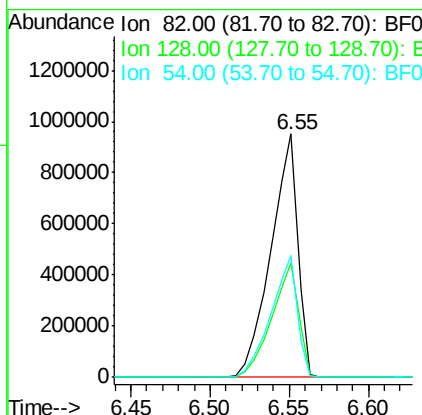
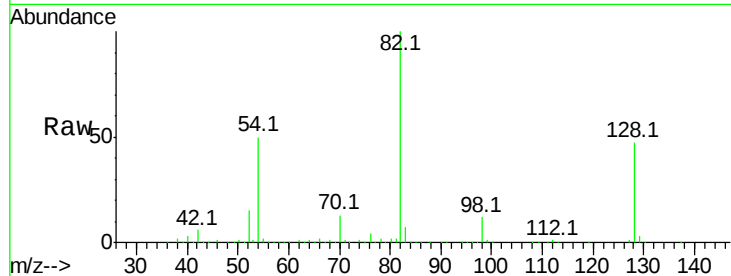




#23
 Nitrobenzene-d5
 Concen: 91.38 ng
 RT: 6.55 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: BF094106.D
 Acq: 31 Mar 2017 19:52

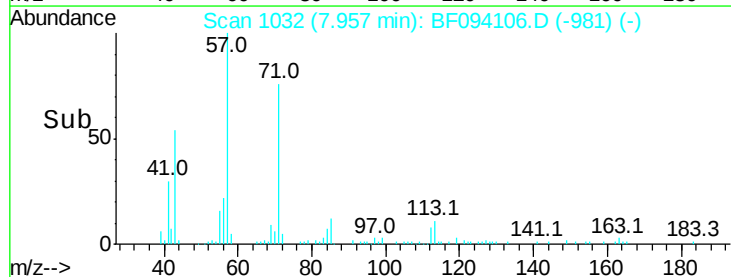
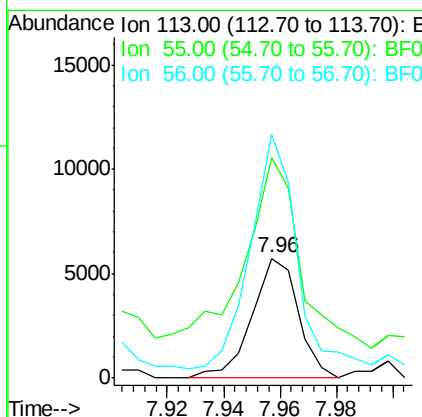
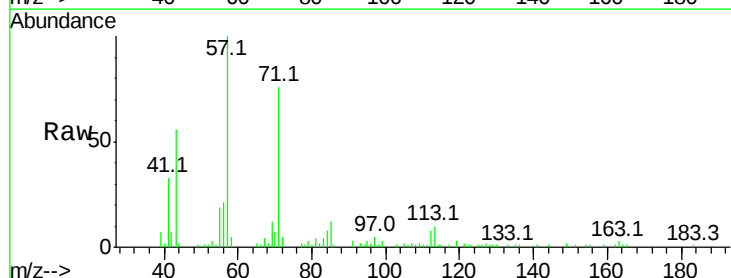
Instrument :
 BNA_F
 ClientSampleId :

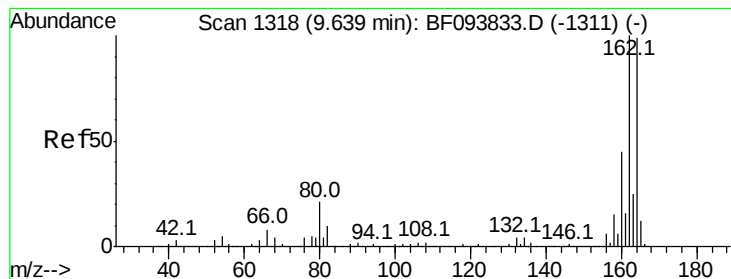
Tot Ion: 82 Resp: 1123339
 Ion Ratio Lower Upper
 82 100
 128 46.9 34.0 51.0
 54 50.0 42.2 63.2



#35
 Caprolactam
 Concen: 2.20 ng
 RT: 7.96 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF094106.D
 Acq: 31 Mar 2017 19:52

Tgt Ion: 113 Resp: 6545
 Ion Ratio Lower Upper
 113 100
 55 184.0 150.2 190.2
 56 203.3 107.8 147.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.54 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

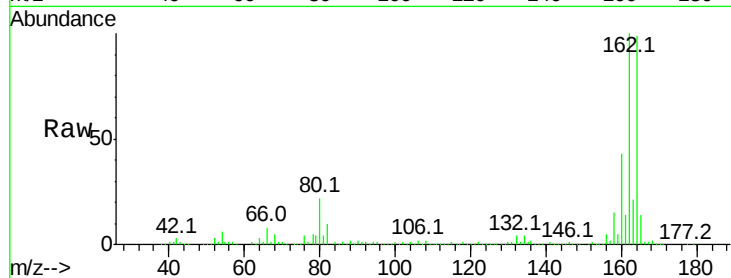
Tot Ion:164 Resp: 300916

Ion Ratio Lower Upper

164 100

162 101.0 82.6 123.8

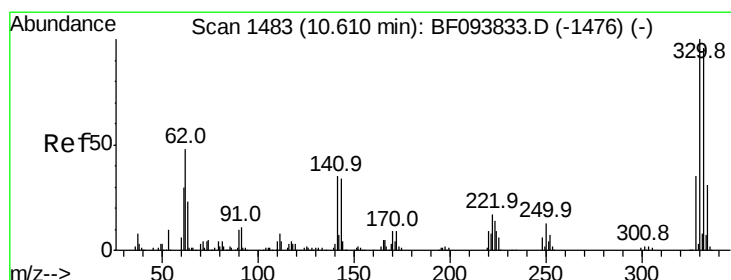
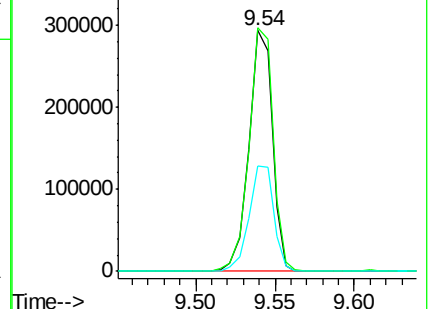
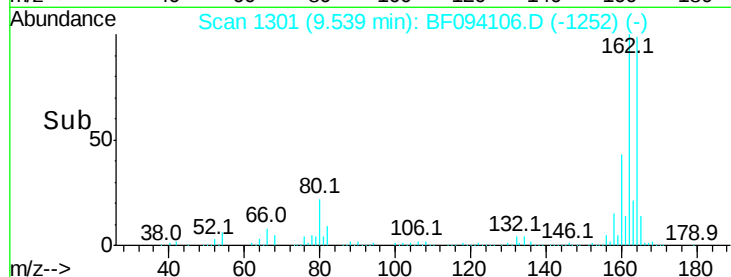
160 43.5 36.2 54.2



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: 125.78 ng

RT: 10.52 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

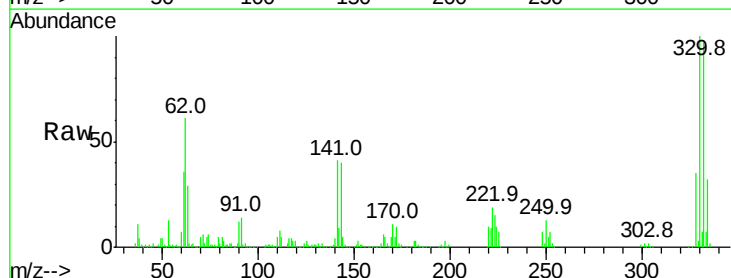
Tgt Ion:330 Resp: 299087

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

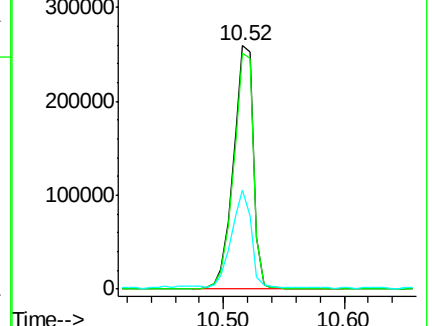
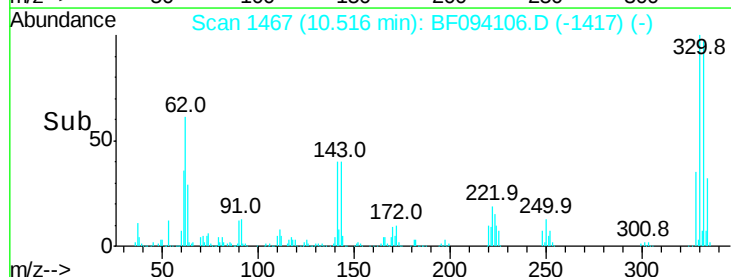
141 39.0 31.4 47.2

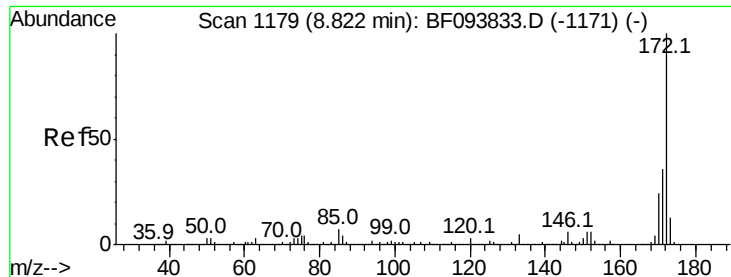


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



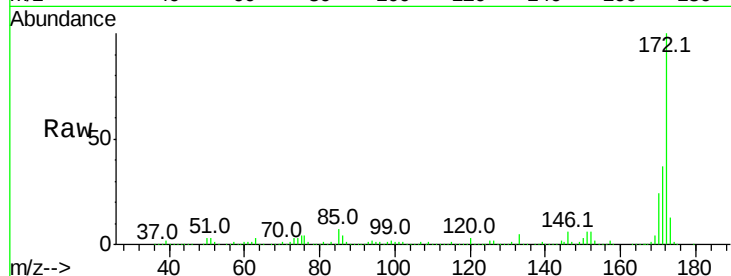


#44
2-Fluorobiphenyl
Concen: 80.36 ng
RT: 8.73 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

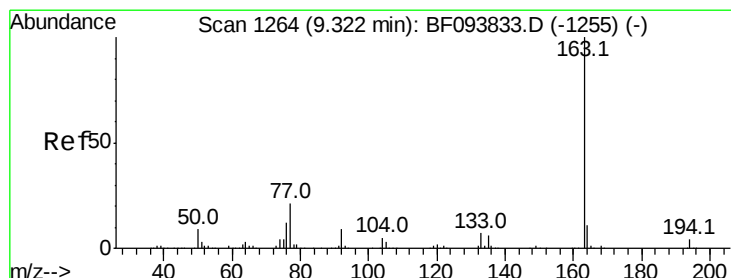
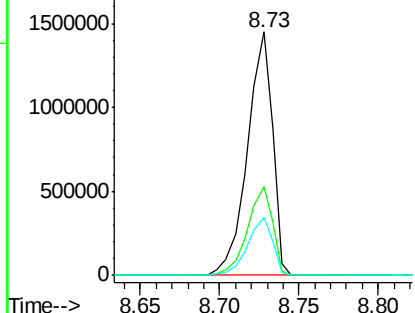
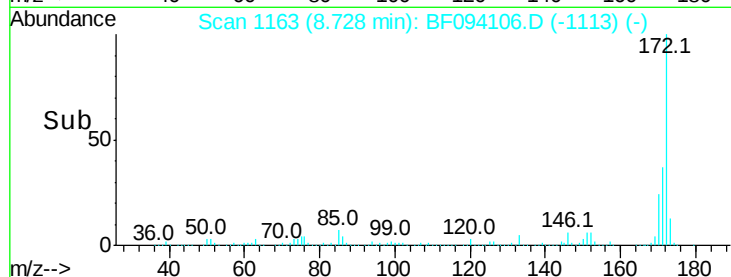
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1585464

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.0	19.8	29.8



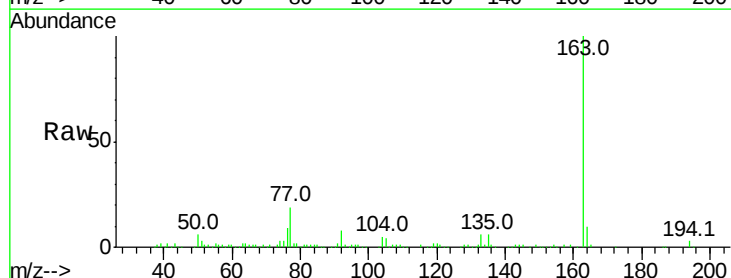
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



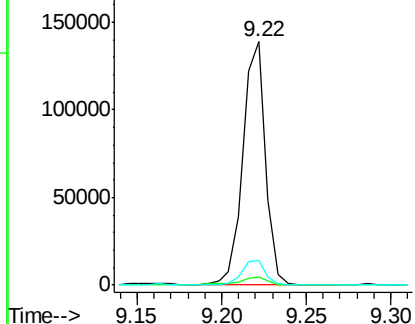
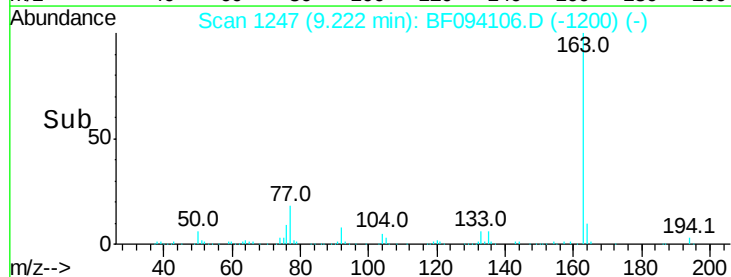
#49
Dimethylphthalate
Concen: 6.02 ng
RT: 9.22 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

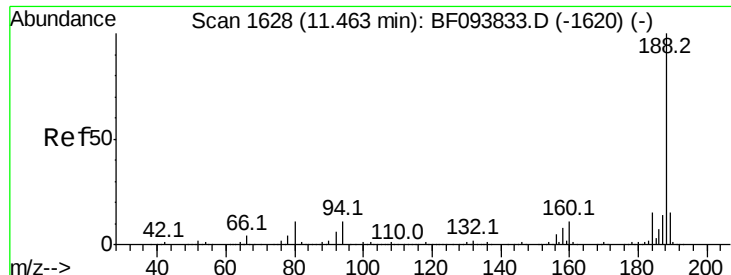
Tgt Ion:163 Resp: 128698

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.0	8.4	12.6



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

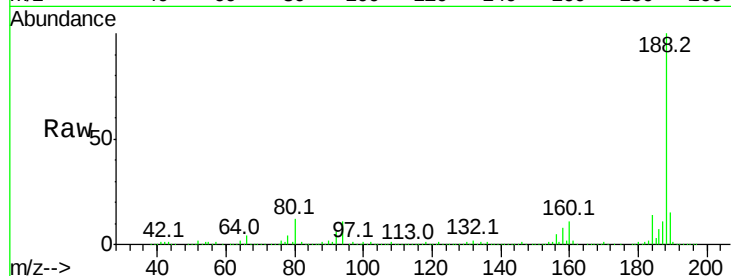




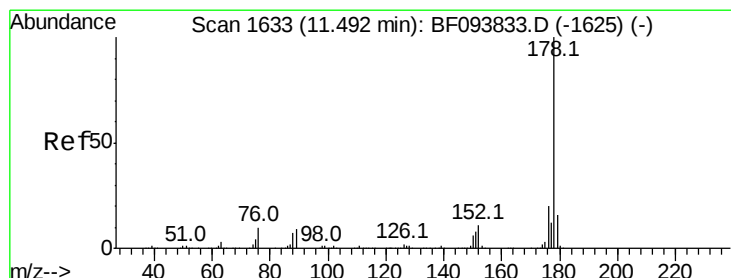
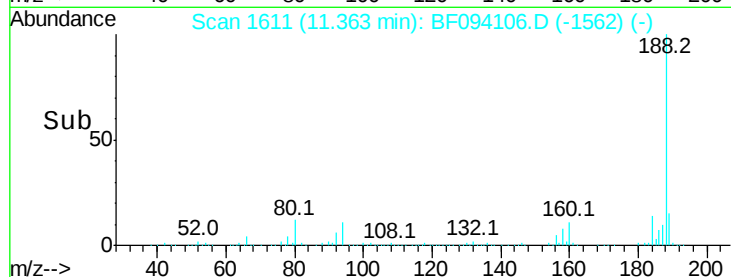
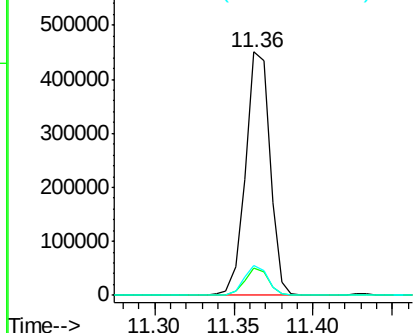
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 480873
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 12.1 10.2 15.2

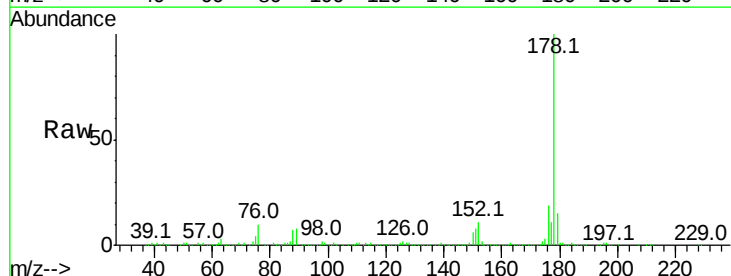


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

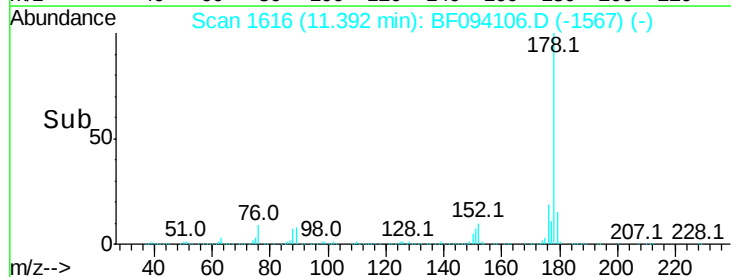
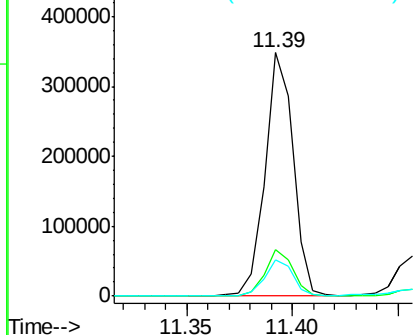


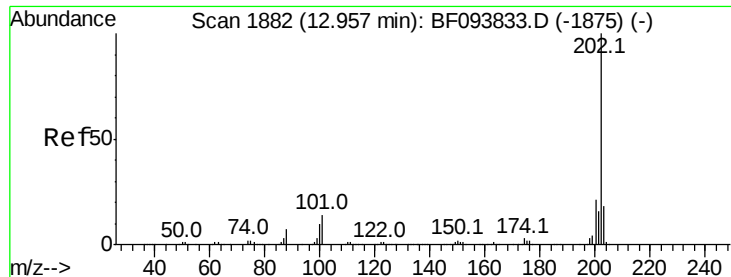
#70
Phenanthrene
Concen: 12.08 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Tgt Ion:178 Resp: 323057
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 14.9 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





#74

Fluoranthene

Concen: 15.50 ng

RT: 12.86 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

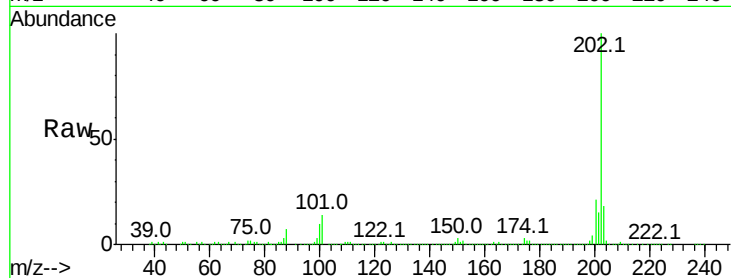
Tot Ion:202 Resp: 424463

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

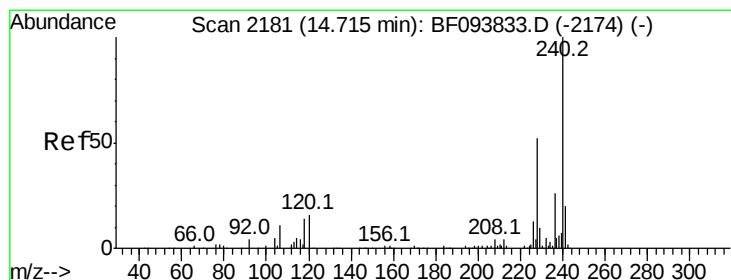
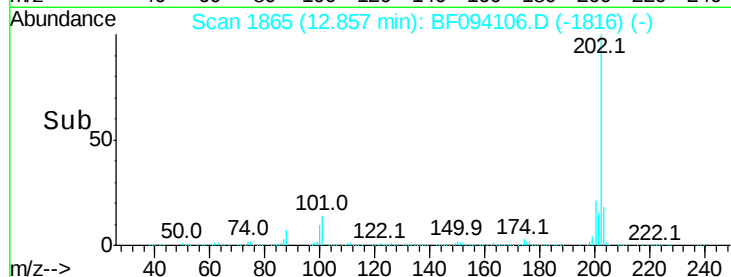
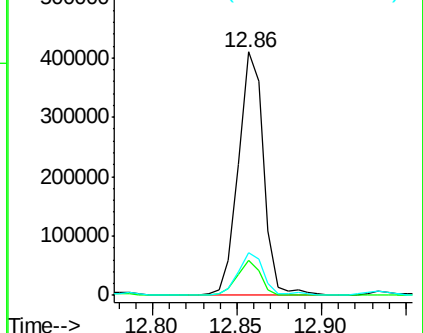
203 17.8 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.62 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

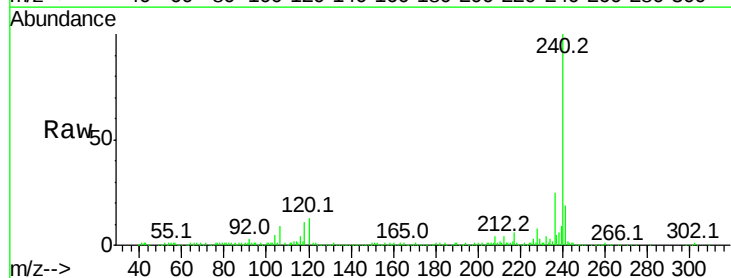
Tgt Ion:240 Resp: 306017

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

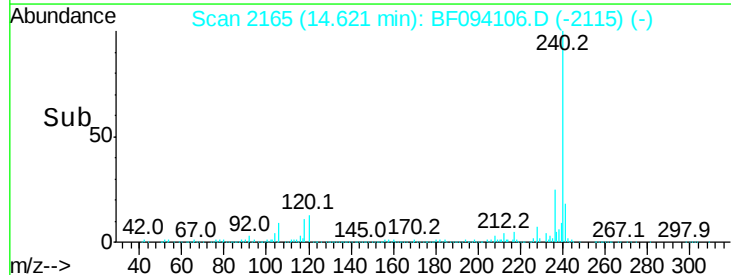
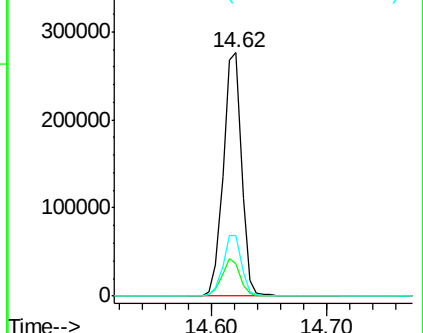
236 25.0 20.5 30.7

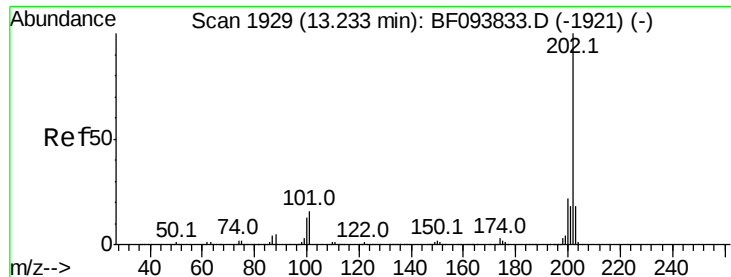


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

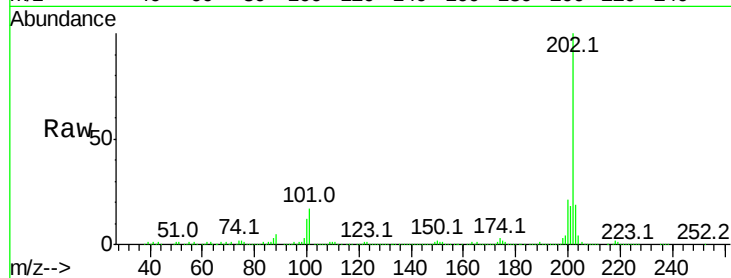




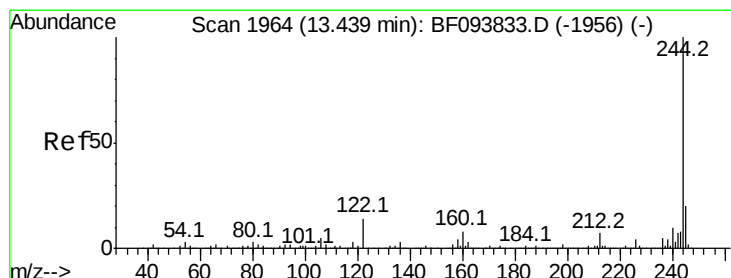
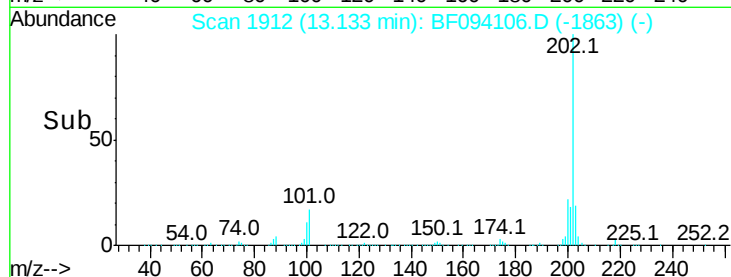
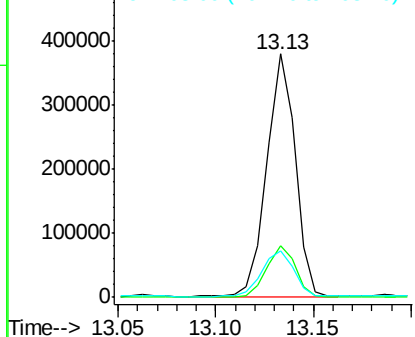
#77
Pvrene
Concen: 17.34 ng
RT: 13.13 min Scan# 1912
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 385057
Ion Ratio Lower Upper
202 100
200 21.4 17.6 26.4
203 19.3 14.4 21.6

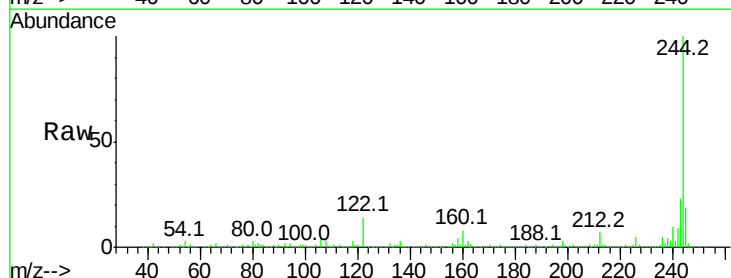


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

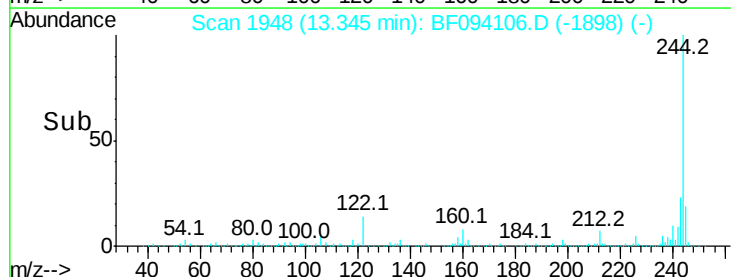
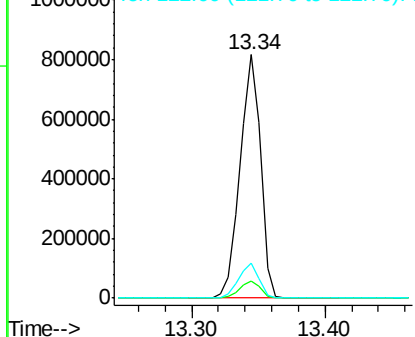


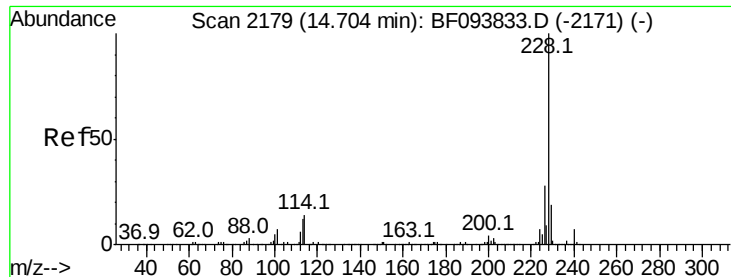
#78
Terphenyl-d14
Concen: 63.93 ng
RT: 13.34 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Tgt Ion:244 Resp: 872747
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 14.3 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: 9.28 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

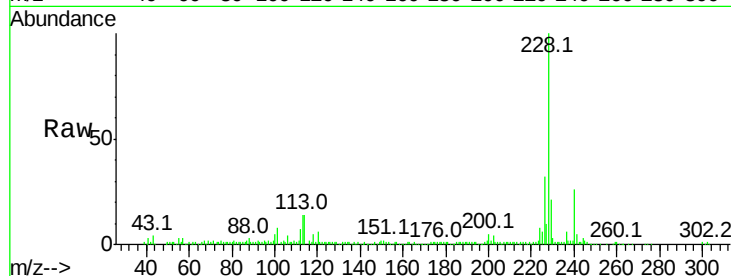
Tot Ion:228 Resp: 165534

Ion Ratio Lower Upper

228 100

226 32.1 22.6 33.8

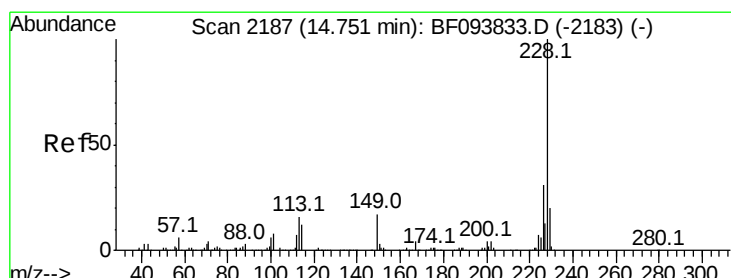
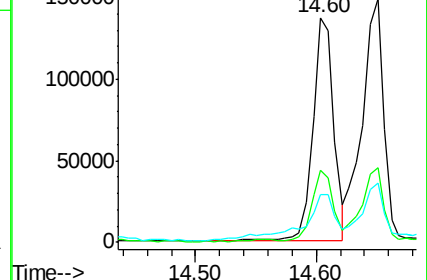
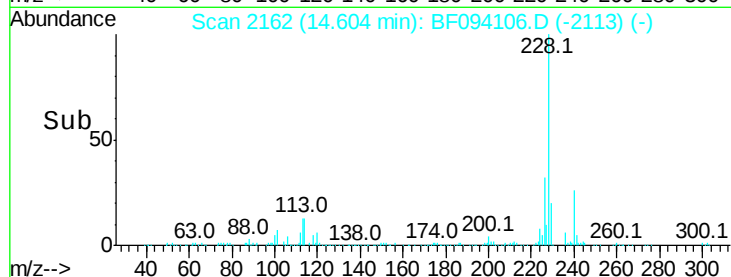
229 21.2 16.3 24.5



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: 10.00 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.06 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

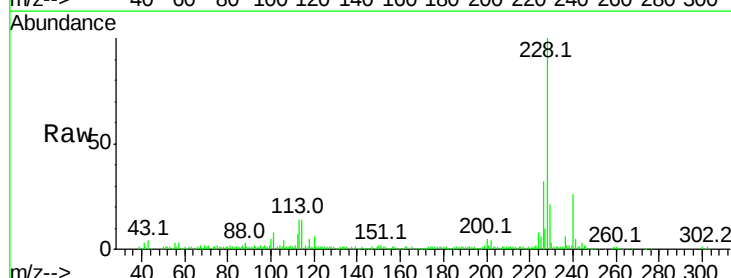
Tgt Ion:228 Resp: 165534

Ion Ratio Lower Upper

228 100

226 32.1 24.9 37.3

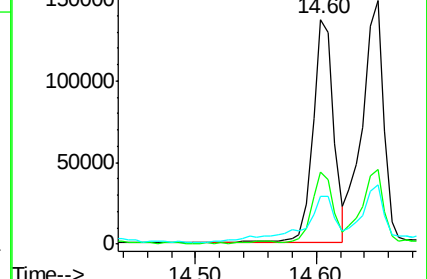
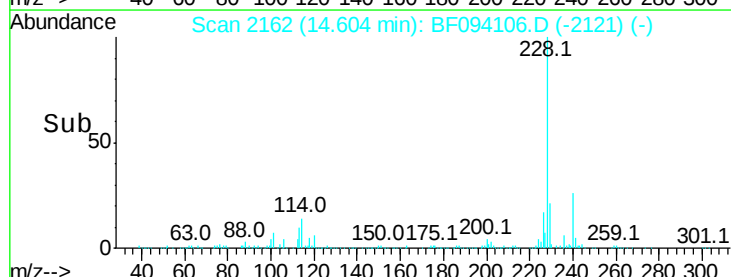
229 21.2 15.8 23.6

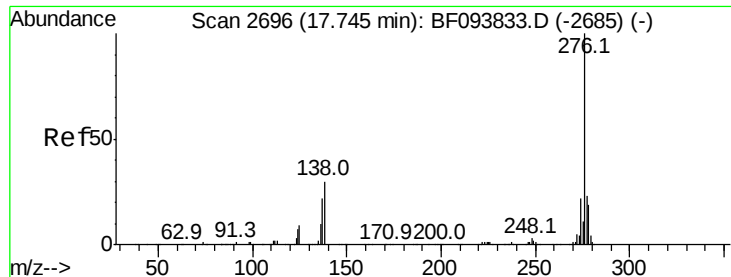


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

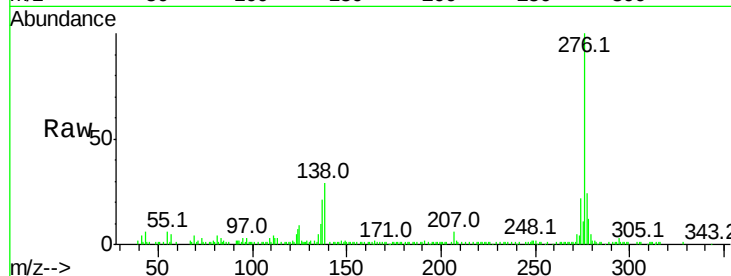




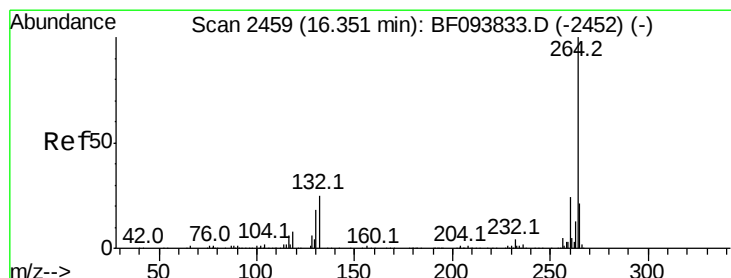
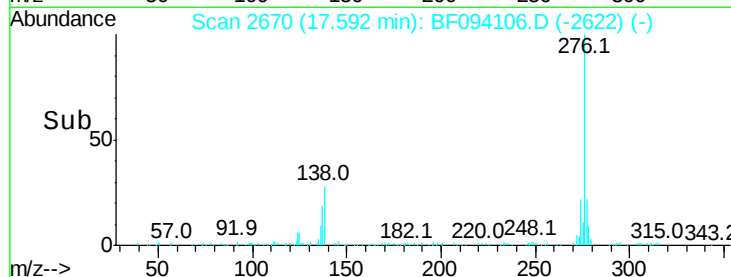
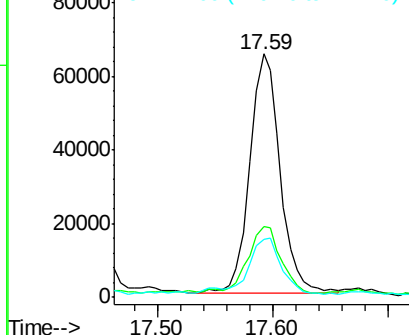
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.37 ng
RT: 17.59 min Scan# 2670
Delta R.T. -0.02 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.7	27.8	41.6
277	26.8	20.2	30.4

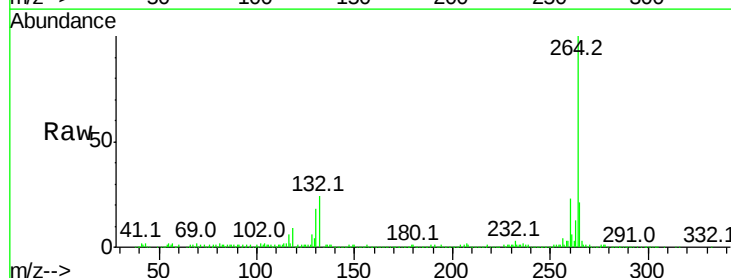


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

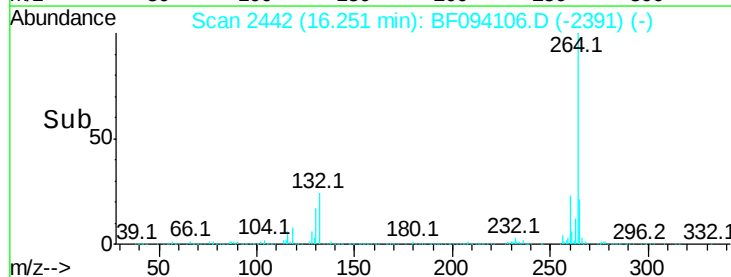
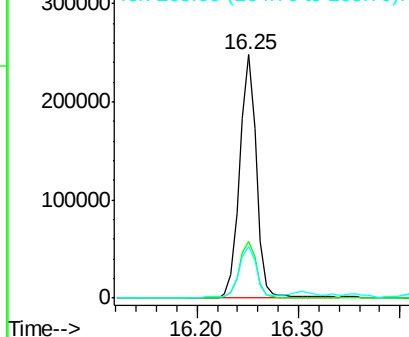


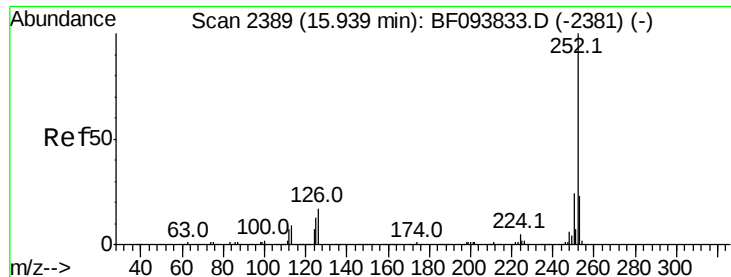
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.0	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: 16.09 ng

RT: 15.84 min Scan# 2373

Delta R.T. -0.01 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

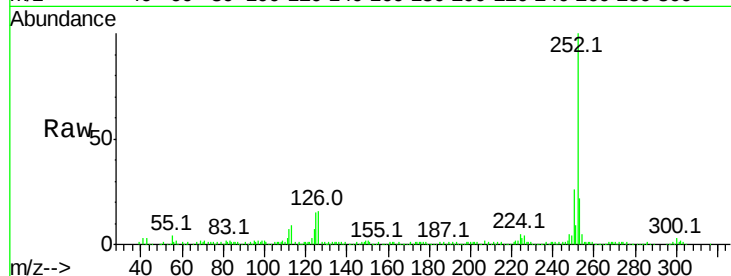
Tot Ion:252 Resp: 283716

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

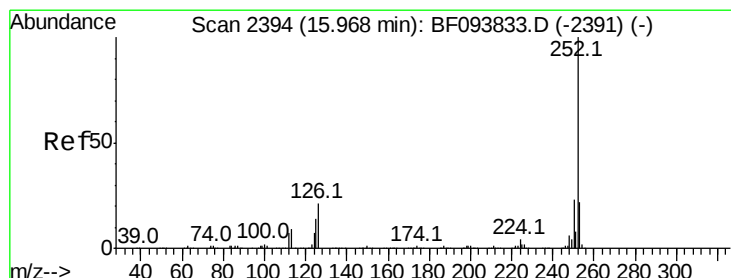
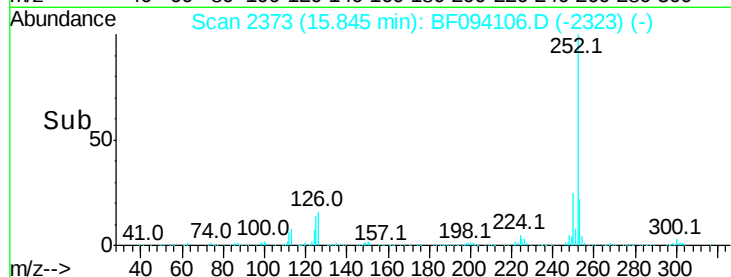
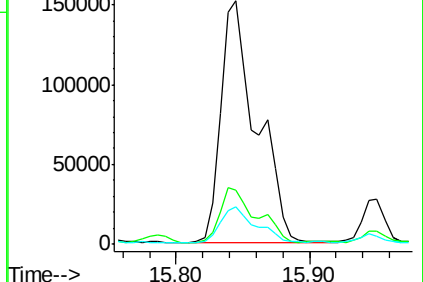
125 15.2 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 16.45 ng

RT: 15.84 min Scan# 2373

Delta R.T. -0.04 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

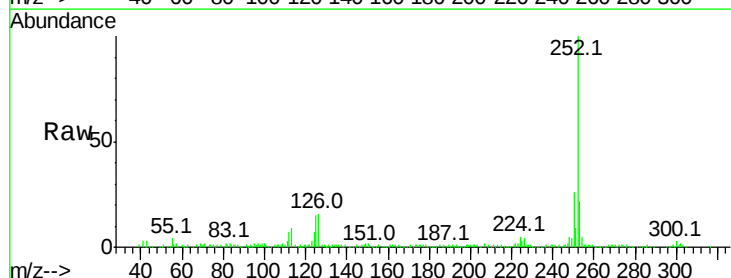
Tgt Ion:252 Resp: 283716

Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

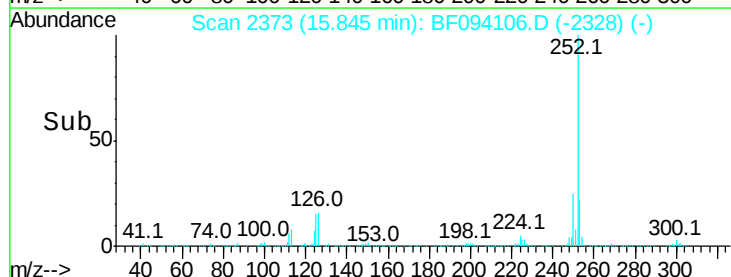
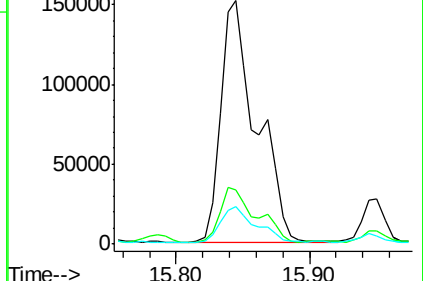
125 15.2 13.1 19.7

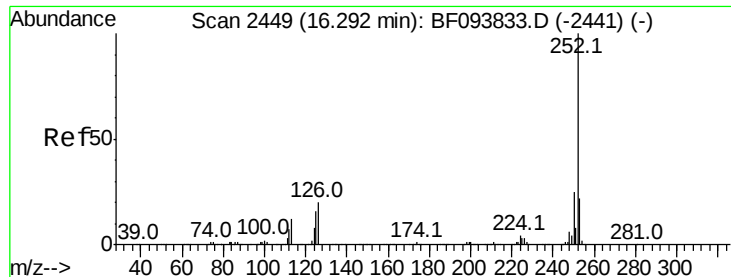


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

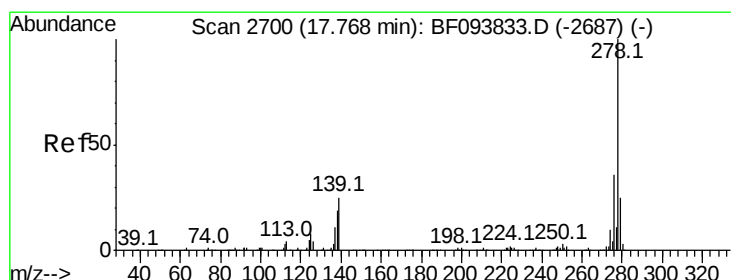
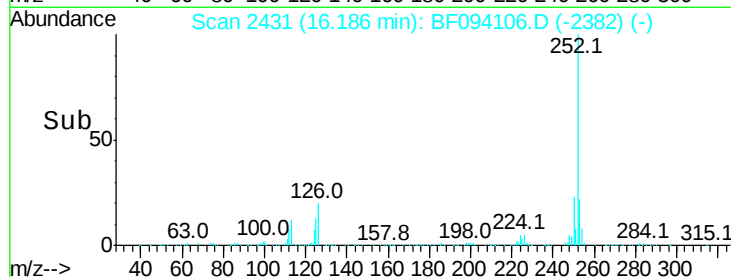
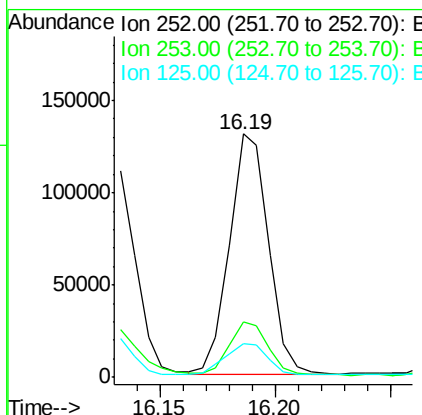
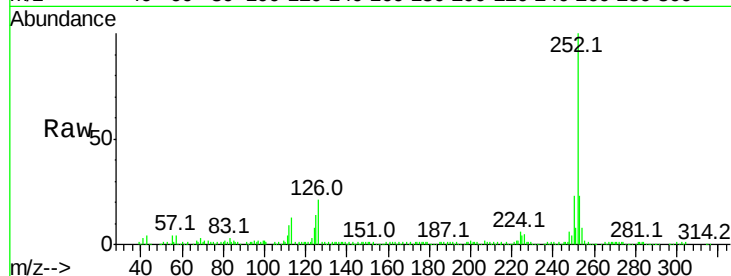




#89
Benzo(a)pyrene
Concen: 9.44 ng
RT: 16.19 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

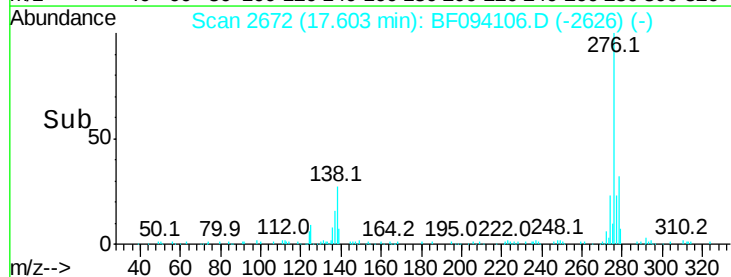
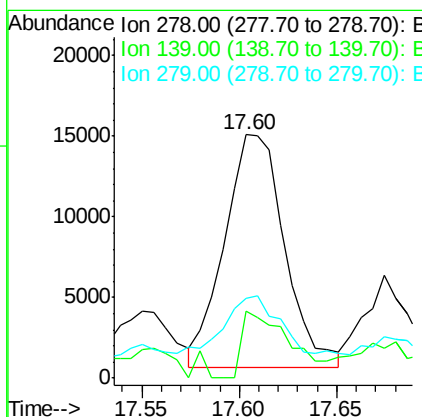
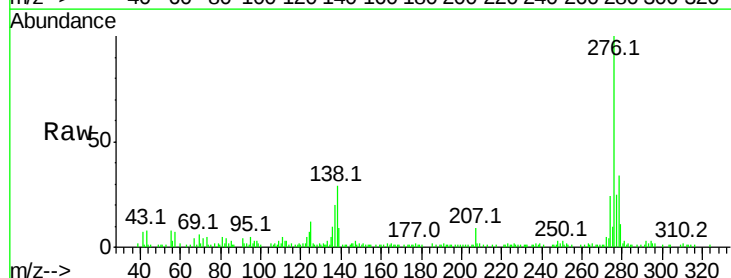
Instrument :
BNA_F
ClientSampleId :

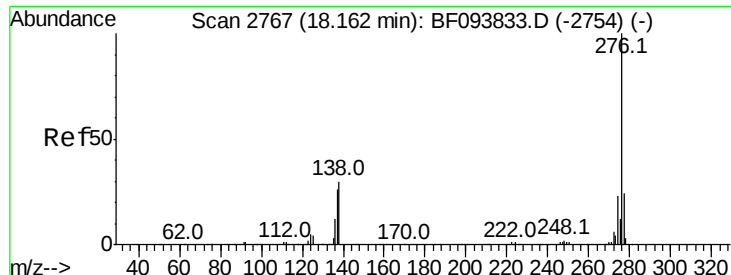
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	14.1	11.0	16.4



#90
Dibenzo(a,h)anthracene
Concen: 2.24 ng
RT: 17.60 min Scan# 2672
Delta R.T. -0.03 min
Lab File: BF094106.D
Acq: 31 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.7	16.6	24.8#
279	33.0	19.3	28.9#





#91

Benzo(a,h,i)perylene

Concen: 10.10 ng

RT: 17.99 min Scan# 2738

Delta R.T. -0.02 min

Lab File: BF094106.D

Acq: 31 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

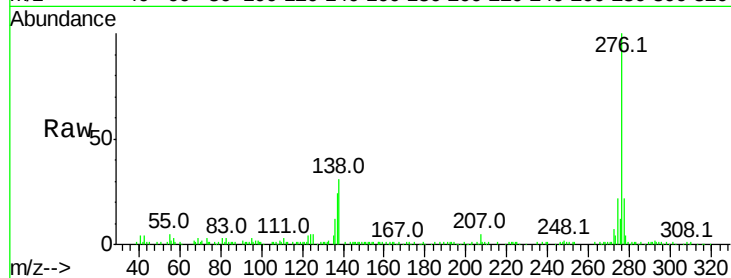
Tot Ion:276 Resp: 139997

Ion Ratio Lower Upper

276 100

277 22.1 18.6 28.0

138 30.5 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

