

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
 Data File : BF094346.D
 Acq On : 11 Apr 2017 8:44
 Operator : SJ/MA
 Sample : I2601-03
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 11:19:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.83	152	169343	20.00	ng	-0.02
21) Naphthalene-d8	7.34	136	657353	20.00	ng	-0.02
38) Acenaphthene-d10	9.47	164	274343	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	424940	20.00	ng	-0.02
75) Chrysene-d12	14.55	240	307310	20.00	ng	-0.02
86) Perylene-d12	16.18	264	248383	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.39	112	979557	97.70	ng	0.00
7) Phenol-d6	5.47	99	1262370	101.78	ng	0.00
23) Nitrobenzene-d5	6.49	82	783587	68.03	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	216957	100.08	ng	-0.02
44) 2-Fluorobiphenyl	8.66	172	1237121	68.78	ng	-0.02
78) Terphenyl-d14	13.28	244	754799	55.05	ng	-0.02

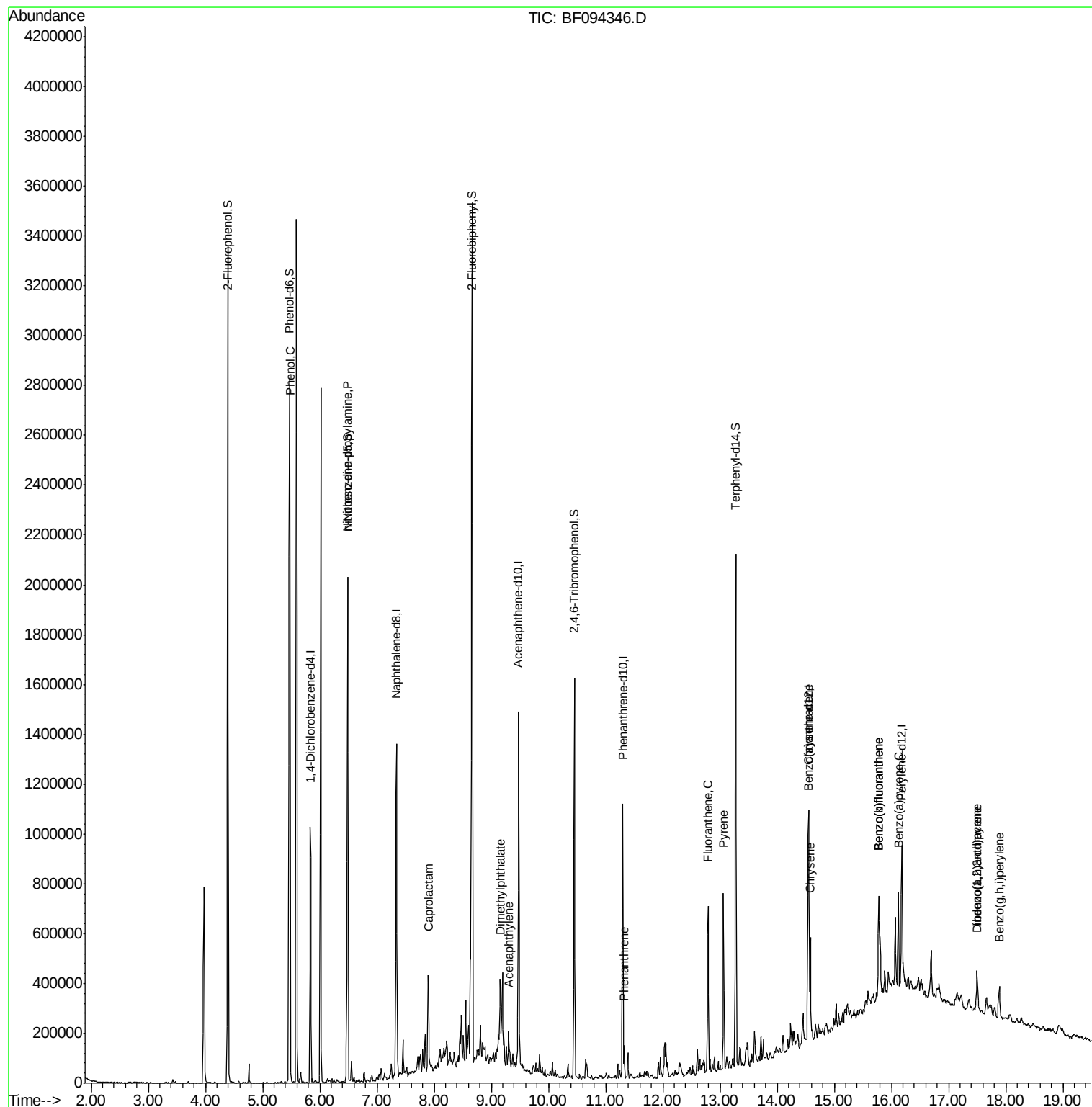
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	5.48	94	78746	5.58	ng	92
19) n-Nitroso-di-n-propylamine	6.49	70	104614	13.12	ng	# 78
35) Caprolactam	7.90	113	9599	3.45	ng	# 58
48) Acenaphthylene	9.30	152	64028	2.22	ng	98
49) Dimethylphthalate	9.16	163	119824	6.14	ng	98
70) Phenanthrene	11.33	178	51669	2.19	ng	97
74) Fluoranthene	12.79	202	284047	11.73	ng	99
77) Pyrene	13.07	202	324527	14.55	ng	99
80) Benzo(a)anthracene	14.54	228	173358	9.67	ng	93
82) Chrysene	14.58	228	185005	11.12	ng	99
85) Indeno(1,2,3-cd)pyrene	17.50	276	99189	6.89	ng	96
87) Benzo(b)fluoranthene	15.78	252	309182	20.31	ng	# 96
88) Benzo(k)fluoranthene	15.78	252	309182	20.76	ng	98
89) Benzo(a)pyrene	16.12	252	158633	11.31	ng	97
90) Dibenzo(a,h)anthracene	17.51	278	25732	2.17	ng	92
91) Benzo(g,h,i)perylene	17.89	276	97574	8.15	ng	95

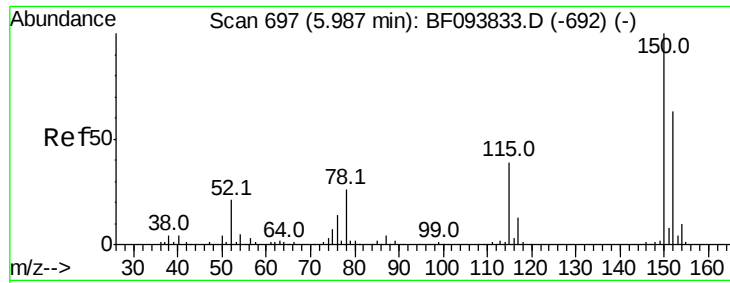
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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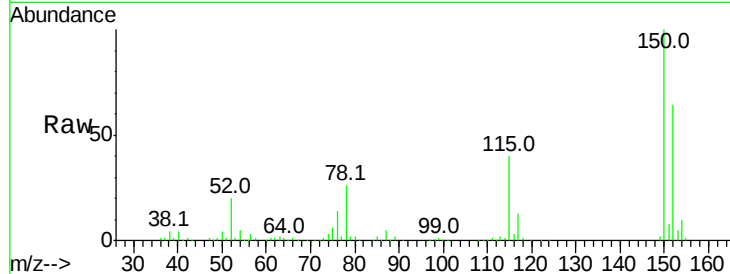


#1

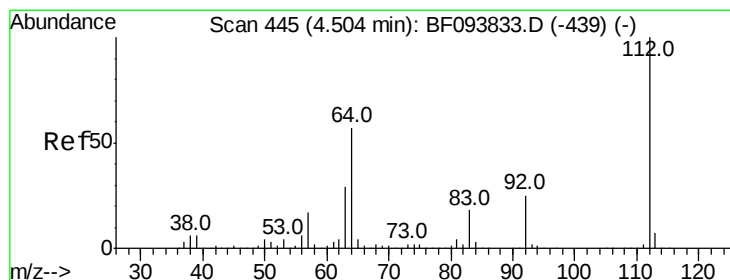
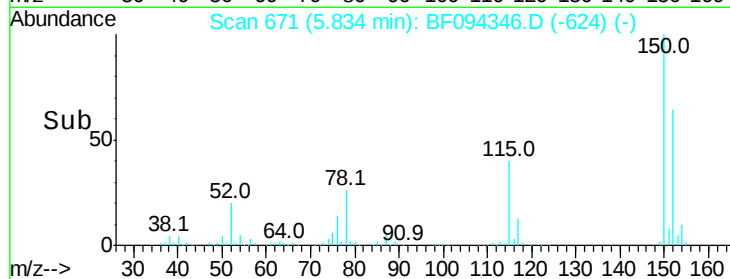
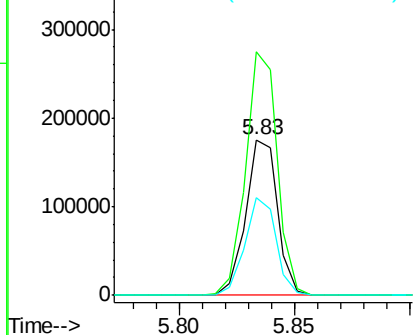
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.83 min Scan# 671
Delta R.T. -0.02 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 169343
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.2
115 62.3 52.2 78.2



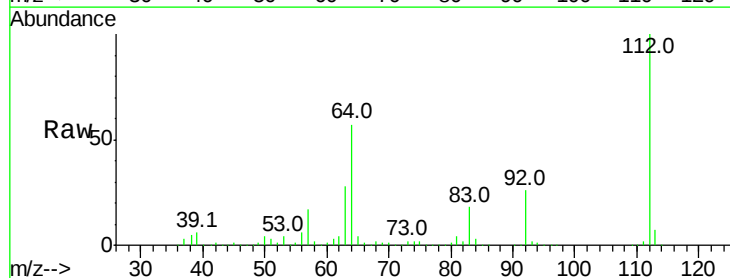
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



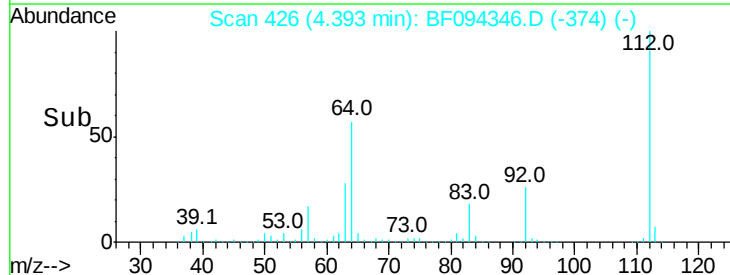
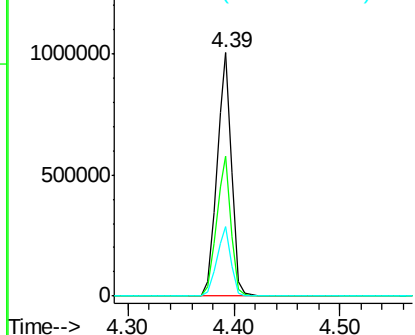
#5

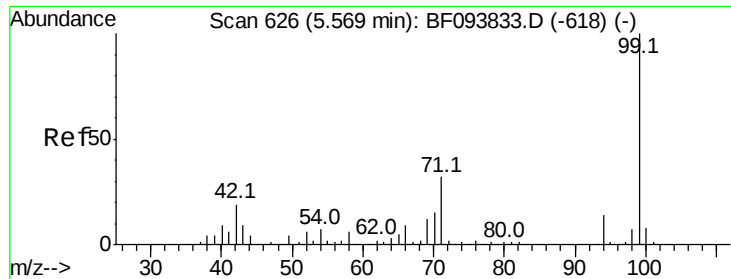
2-Fluorophenol
Concen: 97.70 ng
RT: 4.39 min Scan# 426
Delta R.T. 0.01 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

Tgt Ion:112 Resp: 979557
Ion Ratio Lower Upper
112 100
64 57.5 46.0 69.0
63 28.3 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: 101.78 ng

RT: 5.47 min Scan# 609

Delta R.T. 0.01 min

Lab File: BF094346.D

Acq: 11 Apr 2017 8:44

Instrument :

BNA_F

ClientSampled :

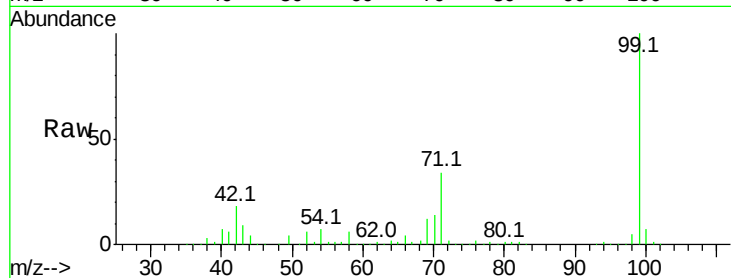
Tot Ion: 99 Resp: 1262370

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

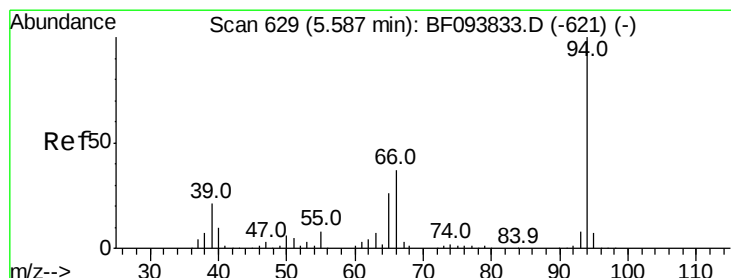
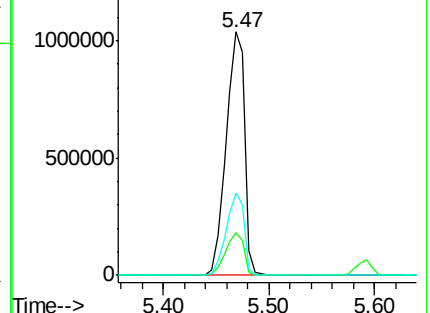
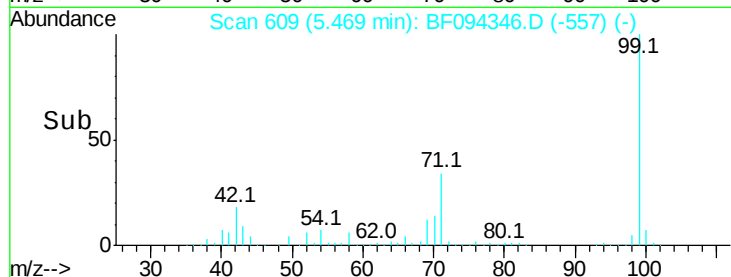
71 34.0 24.5 36.7



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: 5.58 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.00 min

Lab File: BF094346.D

Acq: 11 Apr 2017 8:44

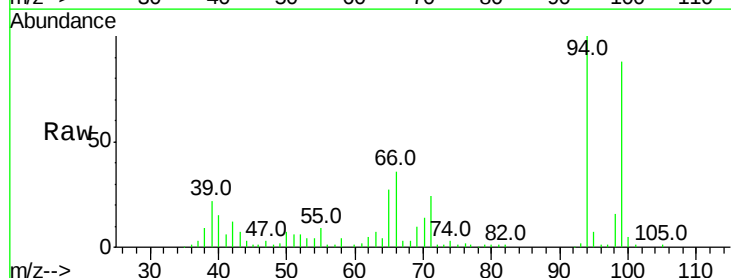
Tgt Ion: 94 Resp: 78746

Ion Ratio Lower Upper

94 100

65 27.0 9.9 49.9

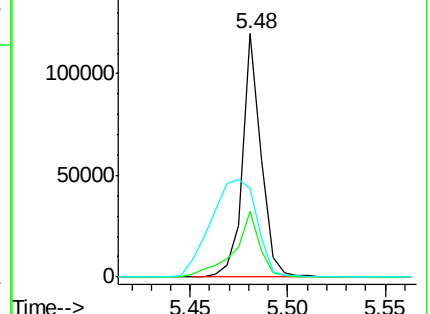
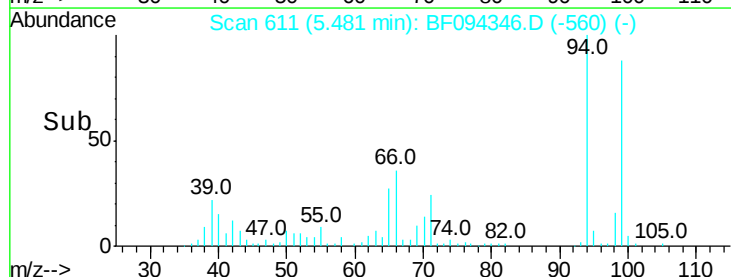
66 36.4 23.1 63.1

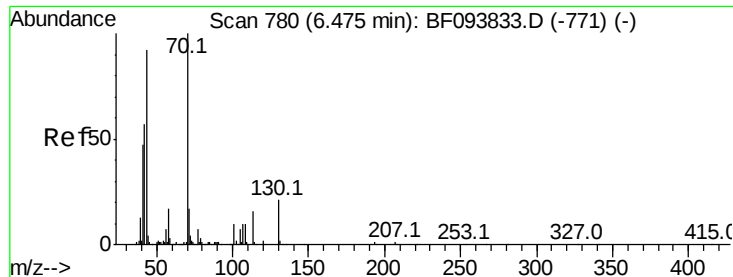


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

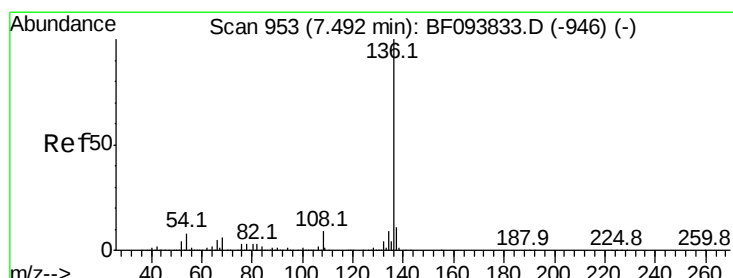
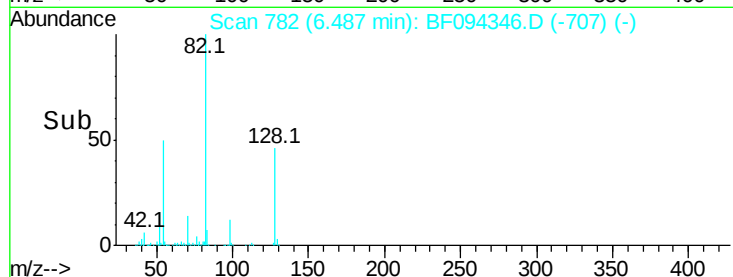
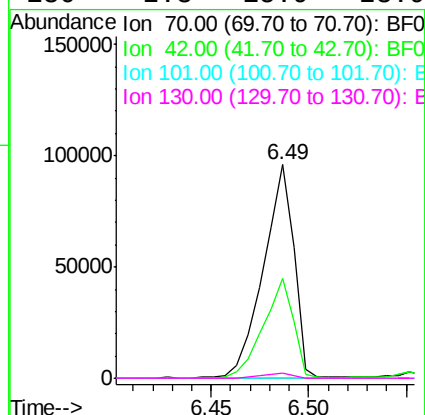
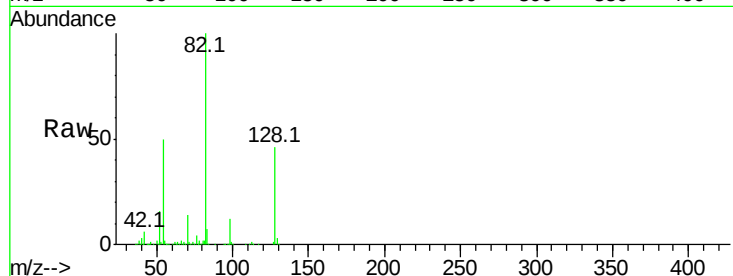




#19
n-Nitroso-di-n-propylamine
Concen: 13.12 ng
RT: 6.49 min Scan# 782
Delta R.T. 0.14 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

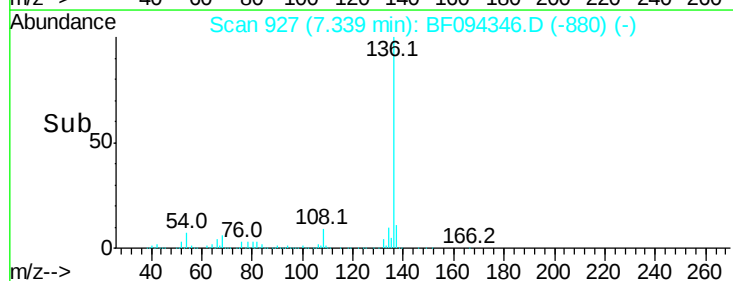
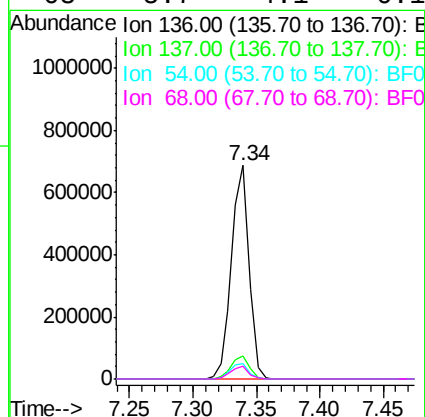
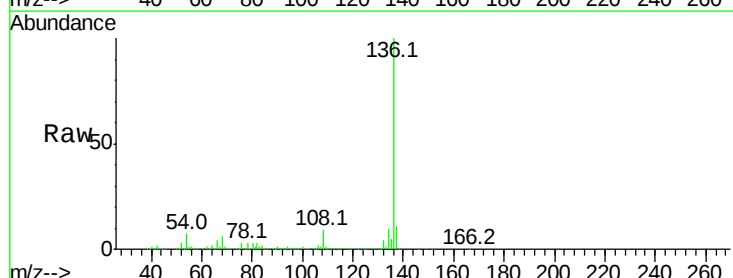
Instrument :
BNA_F
ClientSampled :

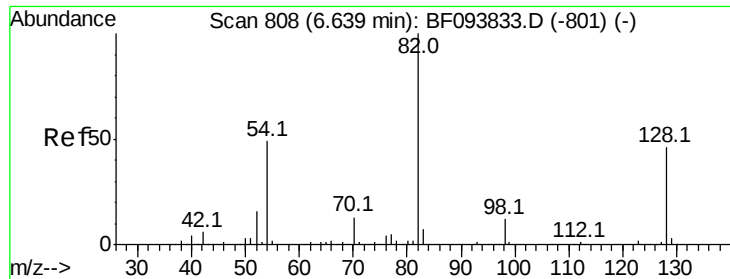
Tot Ion: 70 Resp: 104614
Ion Ratio Lower Upper
70 100
42 46.5 47.2 70.8#
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.34 min Scan# 927
Delta R.T. -0.02 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

Tgt Ion: 136 Resp: 657353
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 7.1 4.9 7.3
68 5.7 4.1 6.1

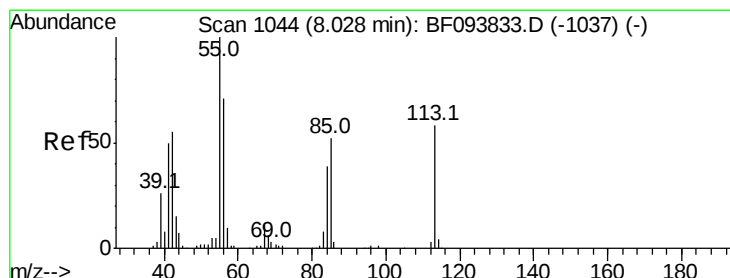
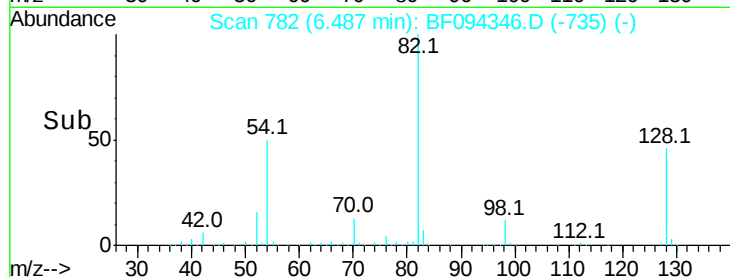
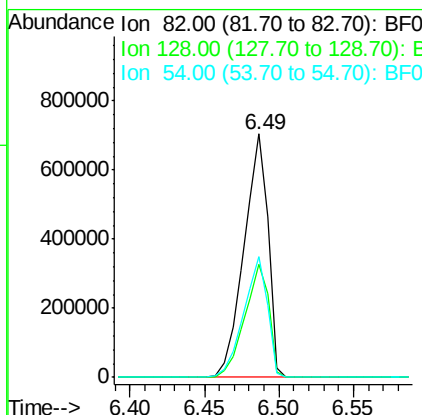
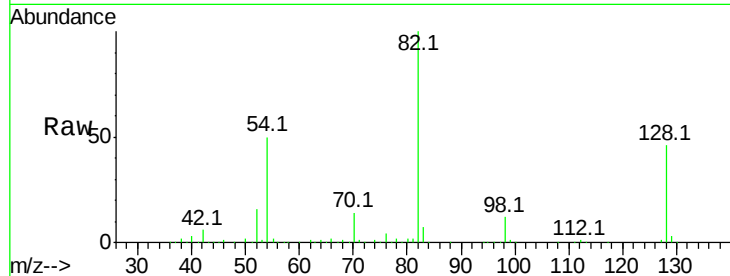




#23
Nitrobenzene-d5
Concen: 68.03 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

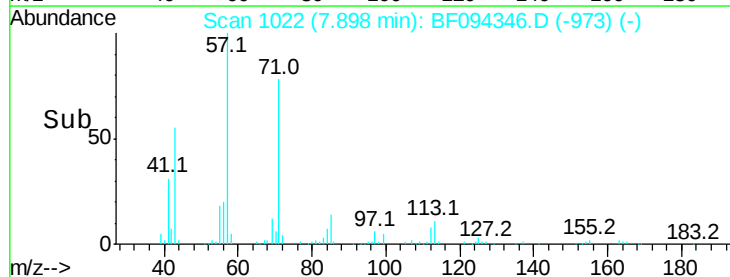
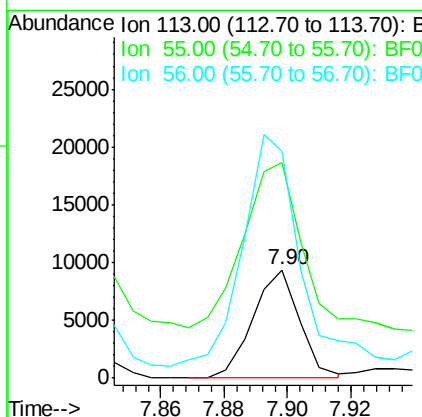
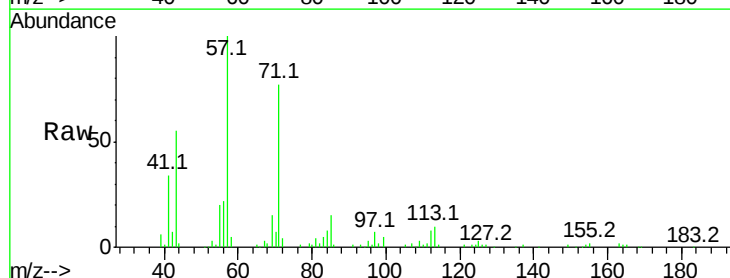
Instrument :
BNA_F
ClientSampleId :

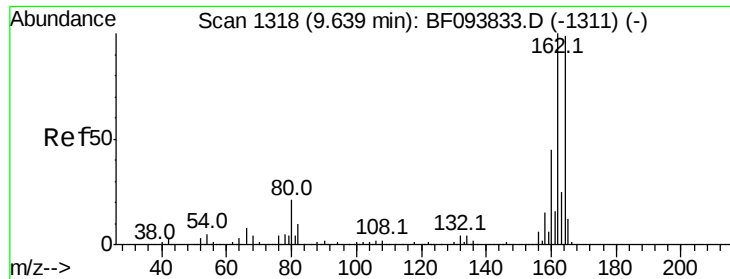
Tot Ion: 82 Resp: 783587
Ion Ratio Lower Upper
82 100
128 46.3 34.0 51.0
54 49.5 42.2 63.2



#35
Caprolactam
Concen: 3.45 ng
RT: 7.90 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

Tgt Ion: 113 Resp: 9599
Ion Ratio Lower Upper
113 100
55 198.3 150.2 190.2#
56 209.7 107.8 147.8#

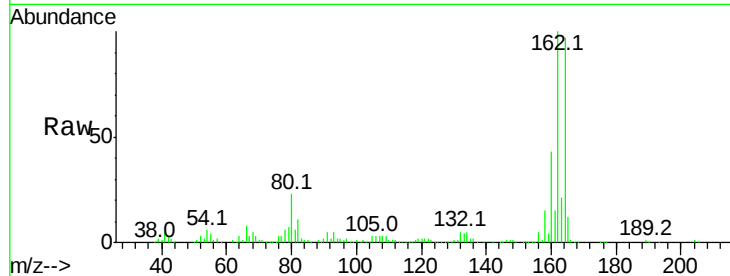




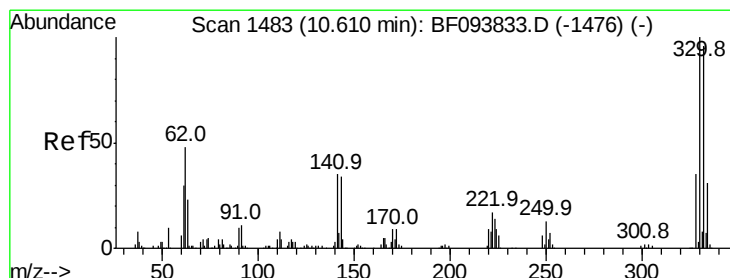
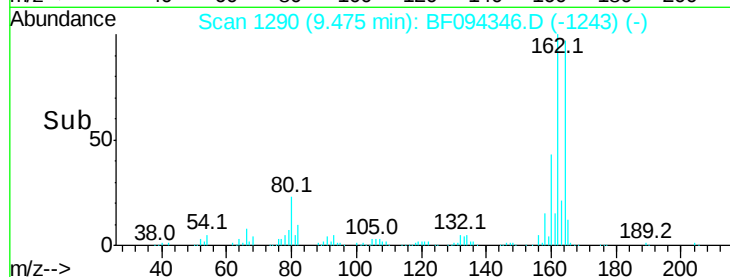
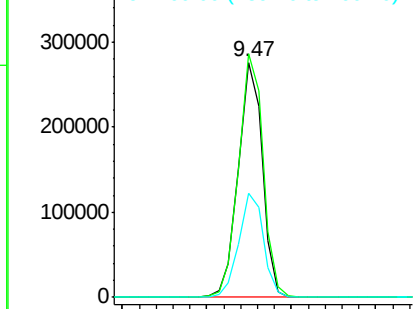
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.47 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 274343
Ion Ratio Lower Upper
164 100
162 103.5 82.6 123.8
160 44.1 36.2 54.2

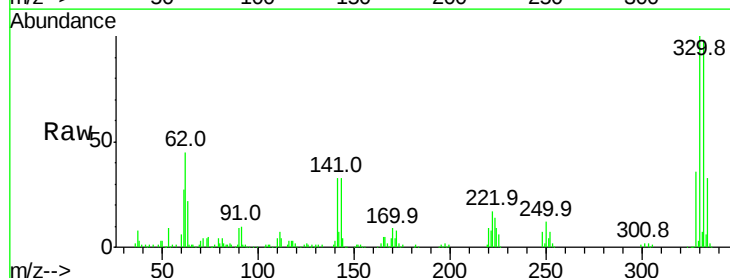


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

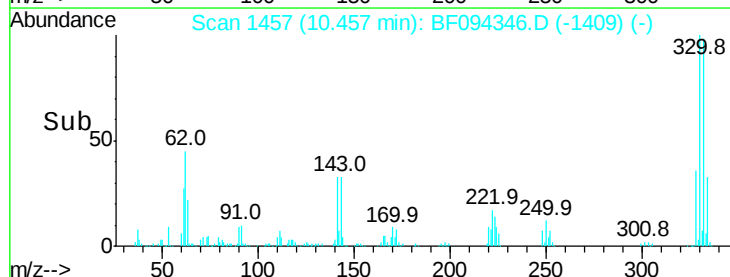
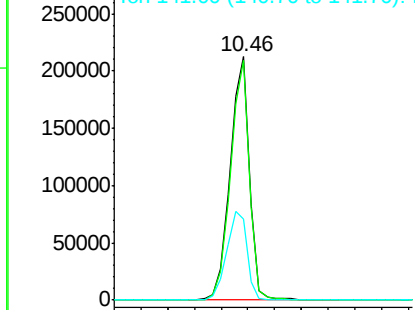


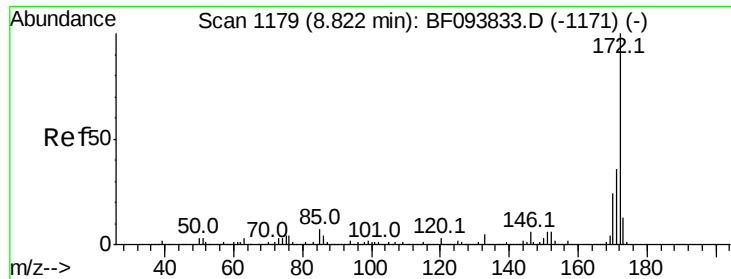
#41
2,4,6-Tribromophenol
Concen: 100.08 ng
RT: 10.46 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

Tgt Ion:330 Resp: 216957
Ion Ratio Lower Upper
330 100
332 96.4 76.6 115.0
141 38.9 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



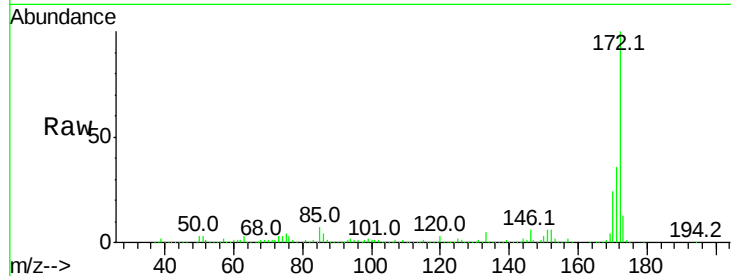


#44
 2-Fluorobiphenyl
 Concen: 68.78 ng
 RT: 8.66 min Scan# 1152
 Delta R.T. -0.02 min
 Lab File: BF094346.D
 Acq: 11 Apr 2017 8:44

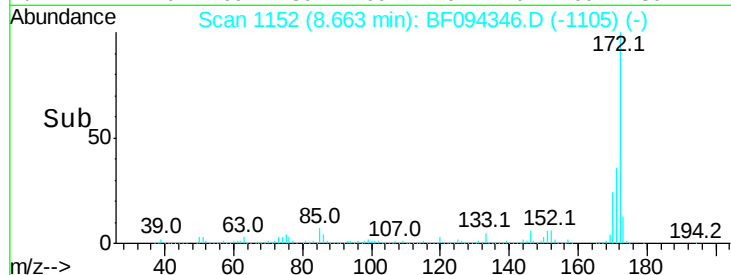
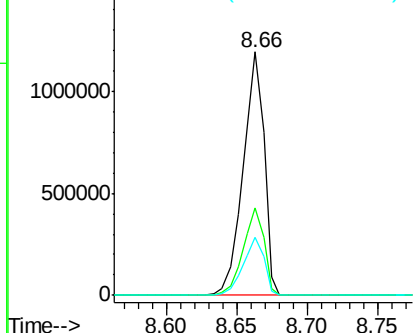
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1237121

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.7	19.8	29.8



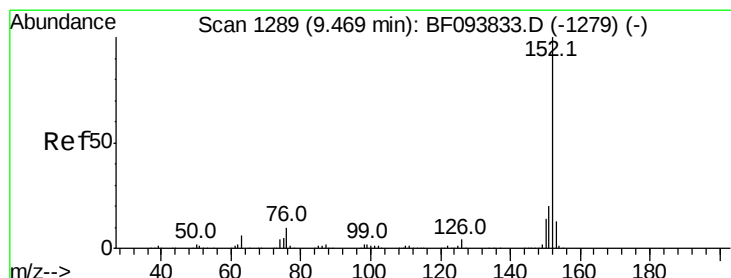
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



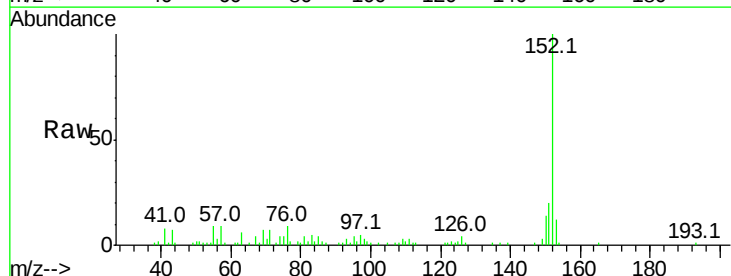
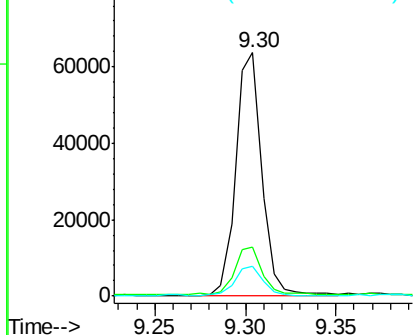
#48
 Acenaphthylene
 Concen: 2.22 ng
 RT: 9.30 min Scan# 1261
 Delta R.T. -0.02 min
 Lab File: BF094346.D
 Acq: 11 Apr 2017 8:44

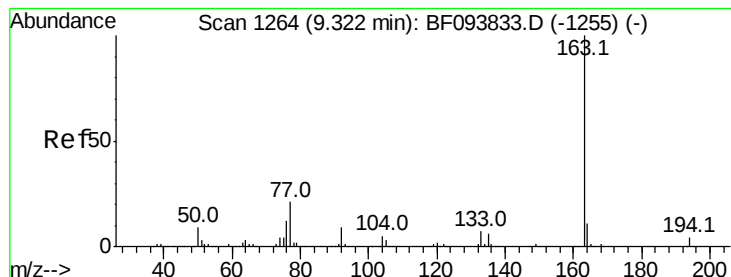
Tgt Ion:152 Resp: 64028

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.8	25.2
153	12.2	10.8	16.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 6.14 ng

RT: 9.16 min Scan# 1236

Delta R.T. -0.04 min

Lab File: BF094346.D

Acq: 11 Apr 2017 8:44

Instrument :

BNA_F

ClientSampleId :

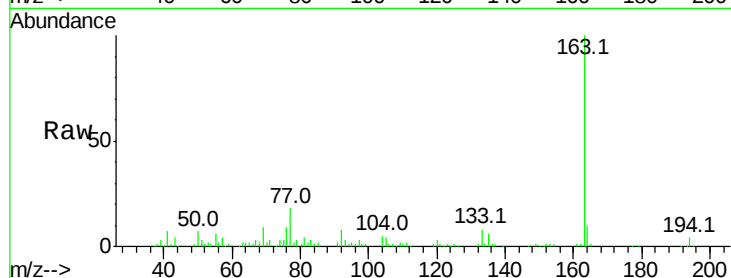
Tot Ion:163 Resp: 119824

Ion Ratio Lower Upper

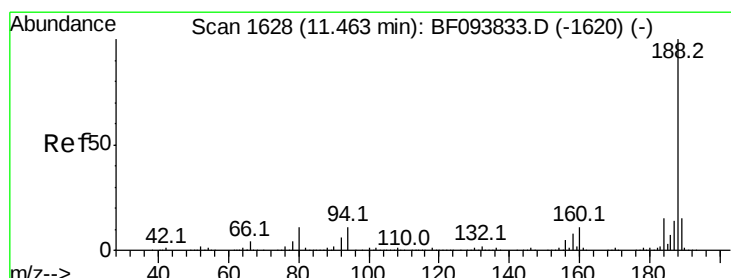
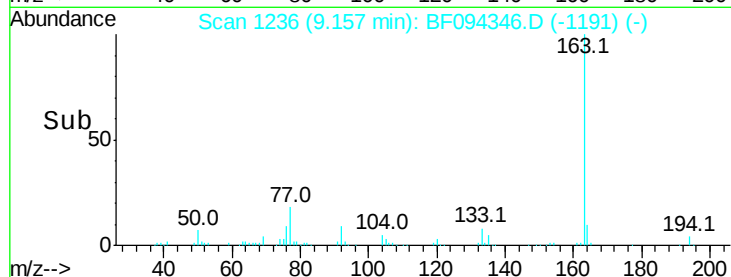
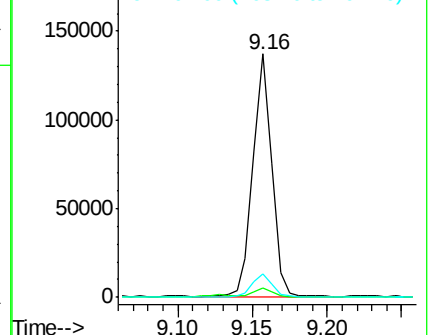
163 100

194 3.7 2.6 4.0

164 9.7 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: 11.30 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BF094346.D

Acq: 11 Apr 2017 8:44

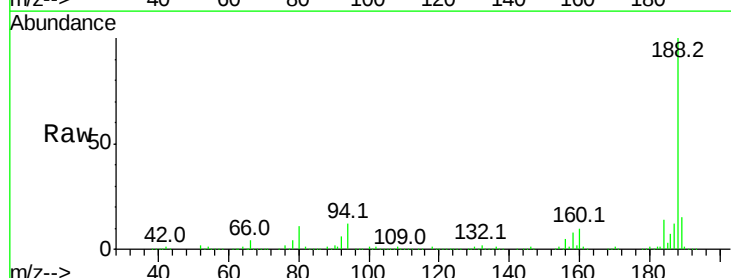
Tgt Ion:188 Resp: 424940

Ion Ratio Lower Upper

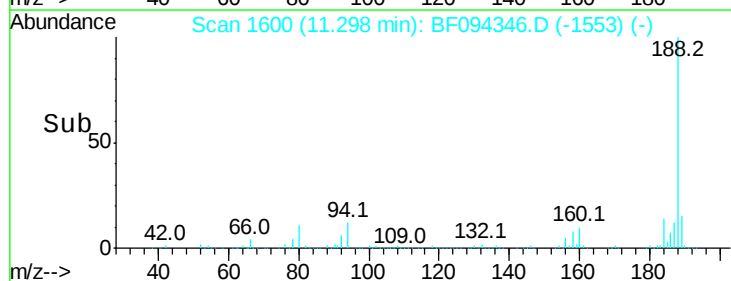
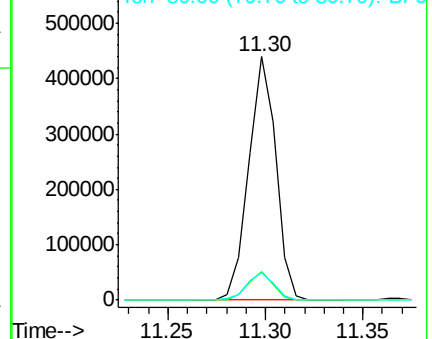
188 100

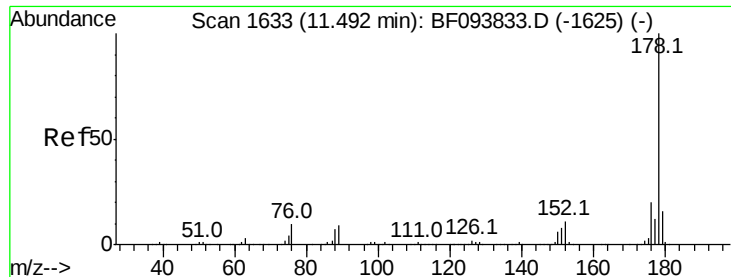
94 11.6 9.4 14.2

80 11.4 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

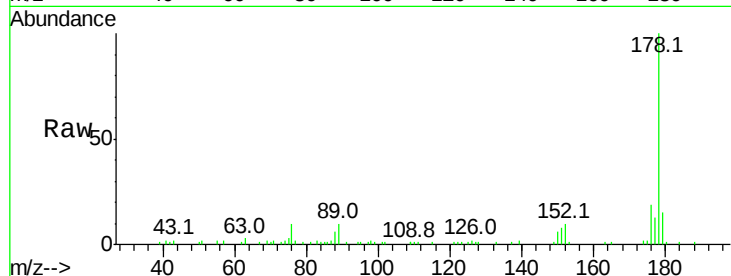




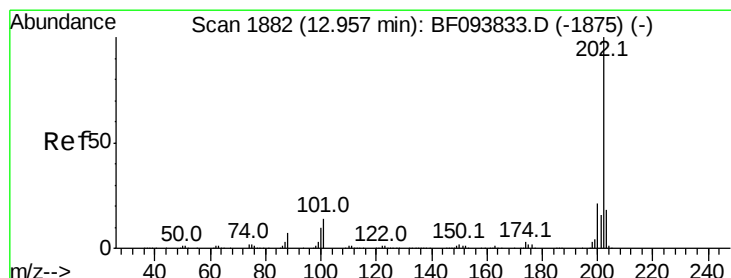
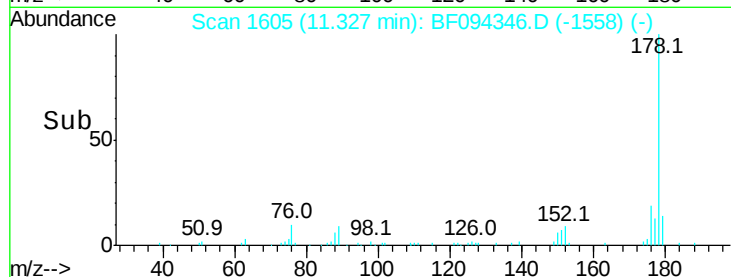
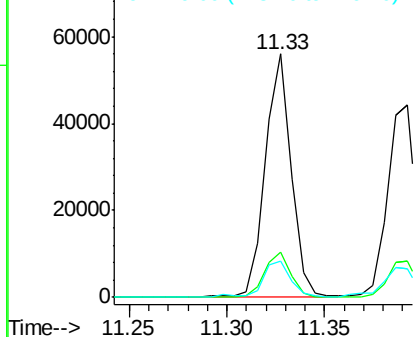
#70
Phenanthrene
Concen: 2.19 ng
RT: 11.33 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 51669
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.4
179 14.8 12.6 19.0

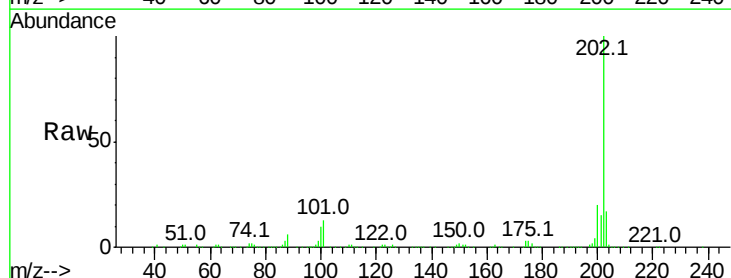


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

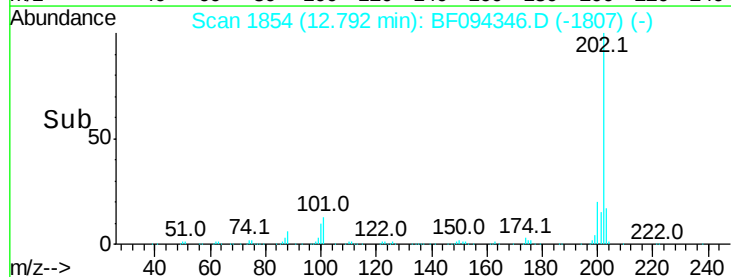
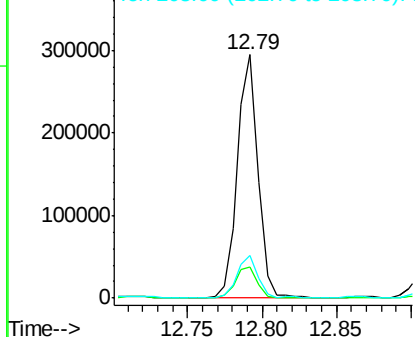


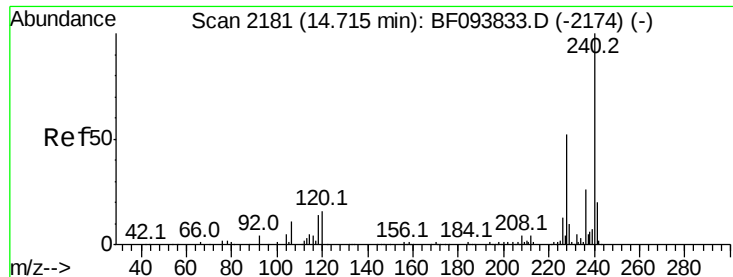
#74
Fluoranthene
Concen: 11.73 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.02 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

Tgt Ion:202 Resp: 284047
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.2
203 17.4 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: 14.55 min Scan# 2153

Delta R.T. -0.02 min

Lab File: BF094346.D

Acq: 11 Apr 2017 8:44

Instrument :

BNA_F

ClientSampleId :

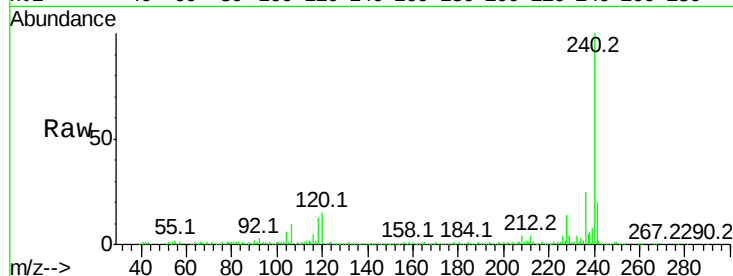
Tot Ion:240 Resp: 307310

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

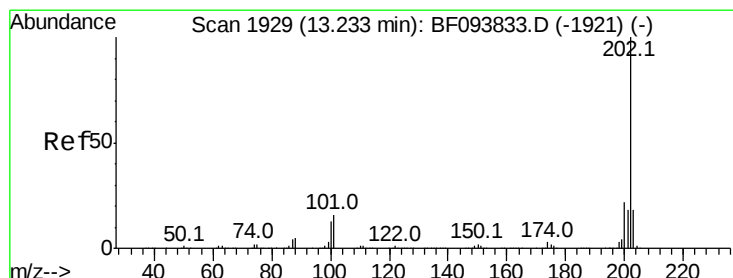
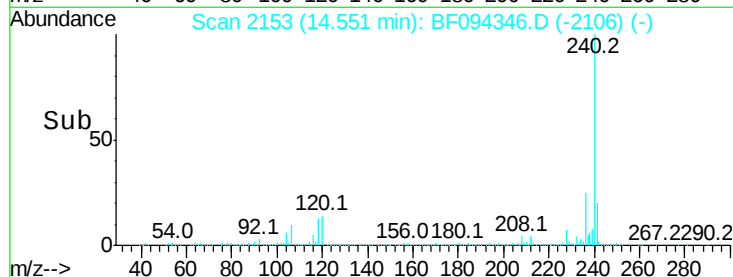
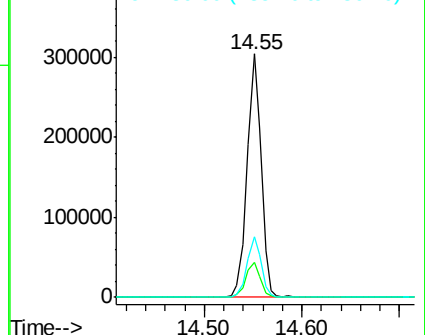
236 24.7 20.5 30.7



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: 14.55 ng

RT: 13.07 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BF094346.D

Acq: 11 Apr 2017 8:44

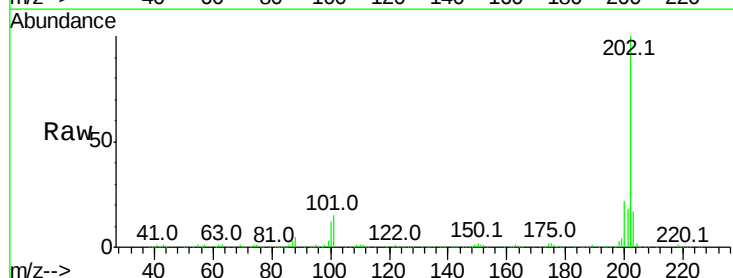
Tgt Ion:202 Resp: 324527

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

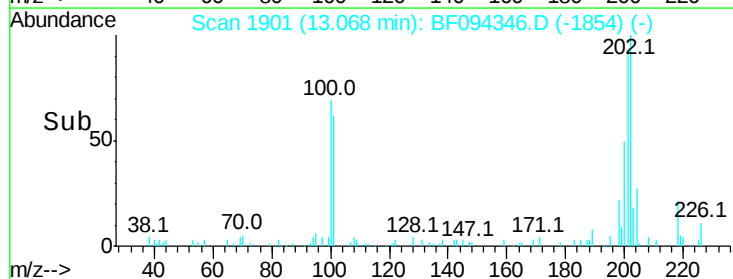
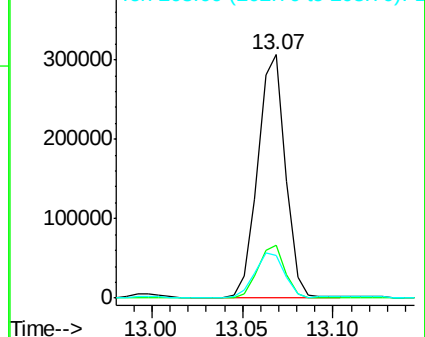
203 17.4 14.4 21.6

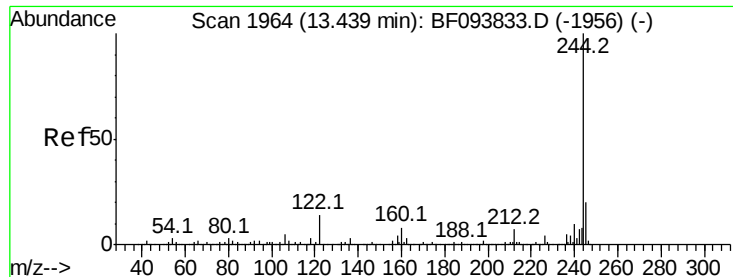


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.05 ng

RT: 13.28 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BF094346.D

Acq: 11 Apr 2017 8:44

Instrument :

BNA_F

ClientSampleId :

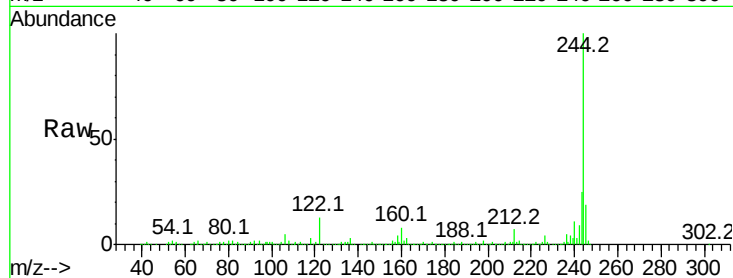
Tot Ion:244 Resp: 754799

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

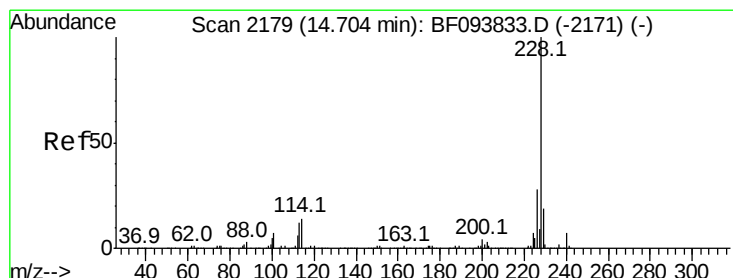
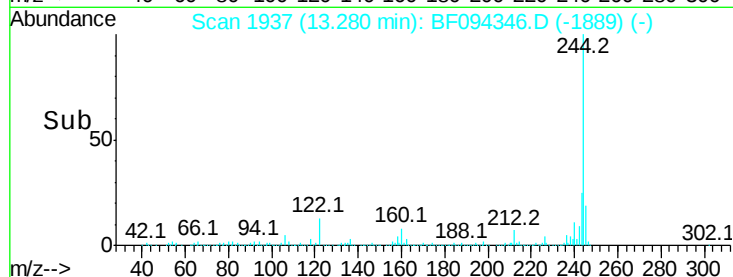
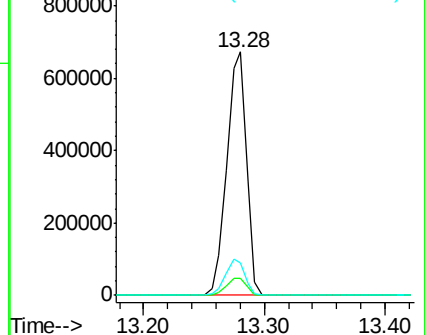
122 13.3 10.3 15.5



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: 9.67 ng

RT: 14.54 min Scan# 2151

Delta R.T. -0.02 min

Lab File: BF094346.D

Acq: 11 Apr 2017 8:44

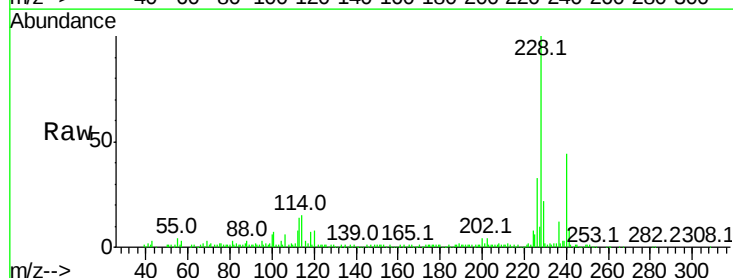
Tgt Ion:228 Resp: 173358

Ion Ratio Lower Upper

228 100

226 33.1 22.6 33.8

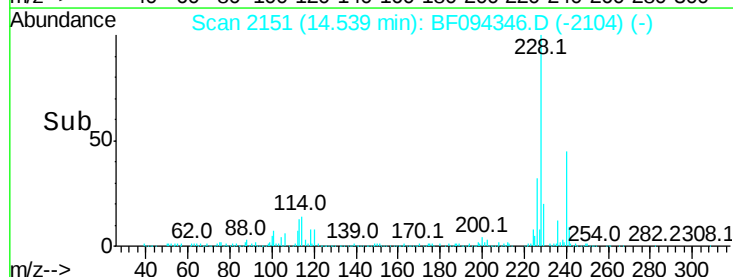
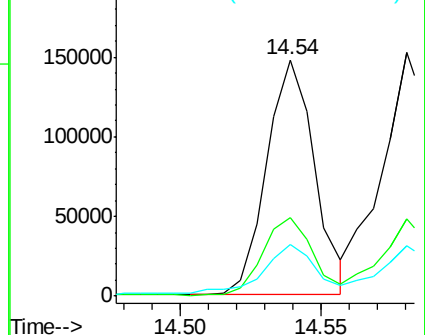
229 21.8 16.3 24.5

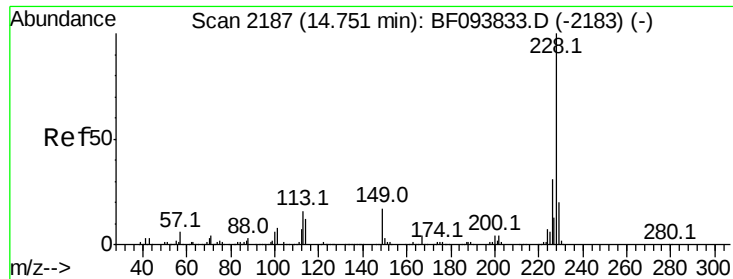


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.12 ng

RT: 14.58 min Scan# 2158

Delta R.T. -0.03 min

Lab File: BF094346.D

Acq: 11 Apr 2017 8:44

Instrument :

BNA_F

ClientSampleId :

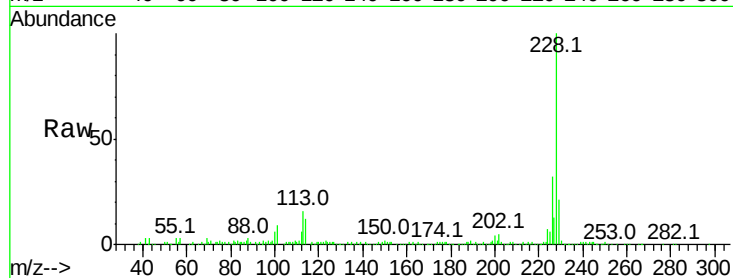
Tot Ion:228 Resp: 185005

Ion Ratio Lower Upper

228 100

226 31.5 24.9 37.3

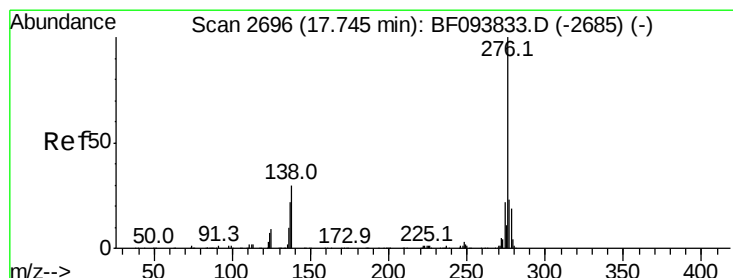
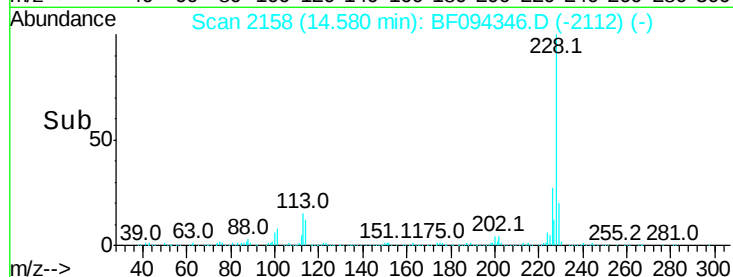
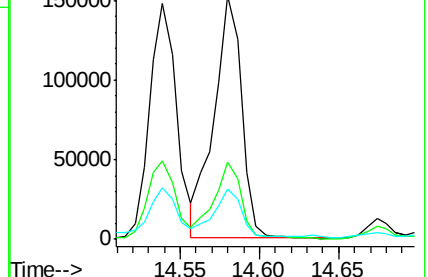
229 20.7 15.8 23.6



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: 6.89 ng

RT: 17.50 min Scan# 2654

Delta R.T. -0.02 min

Lab File: BF094346.D

Acq: 11 Apr 2017 8:44

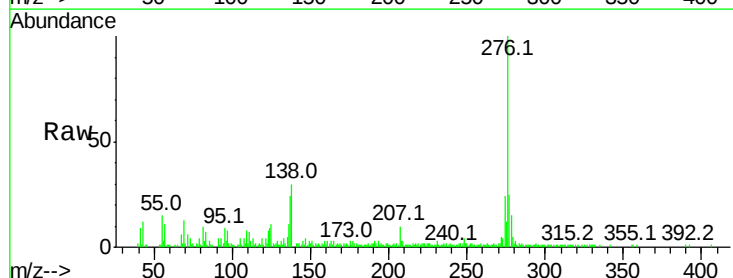
Tgt Ion:276 Resp: 99189

Ion Ratio Lower Upper

276 100

138 31.0 27.8 41.6

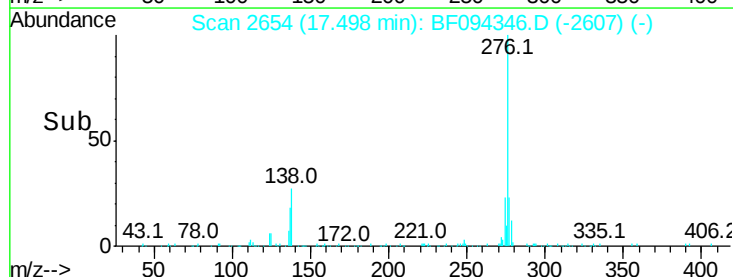
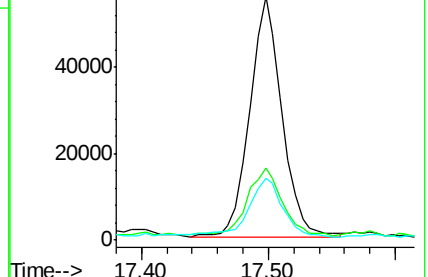
277 26.0 20.2 30.4

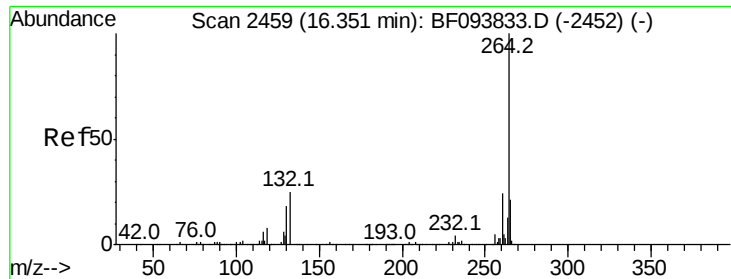


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

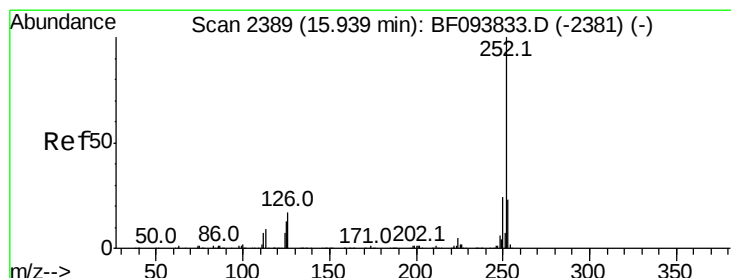
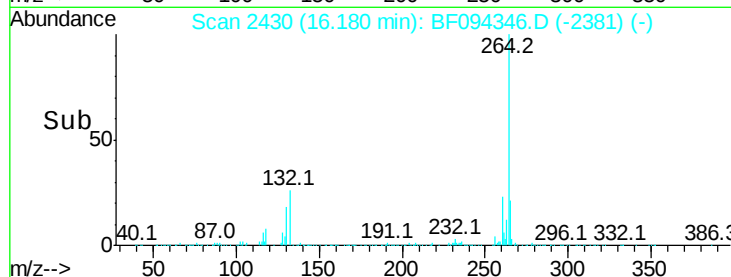
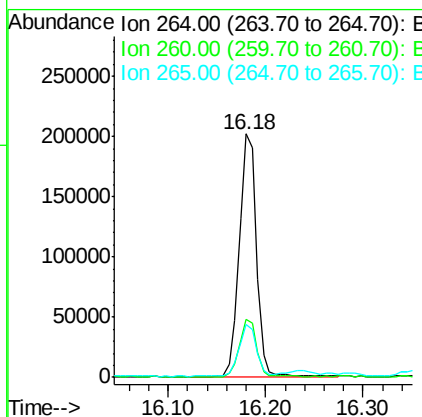
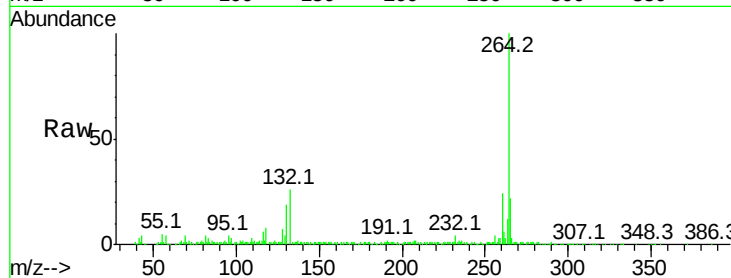




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.18 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

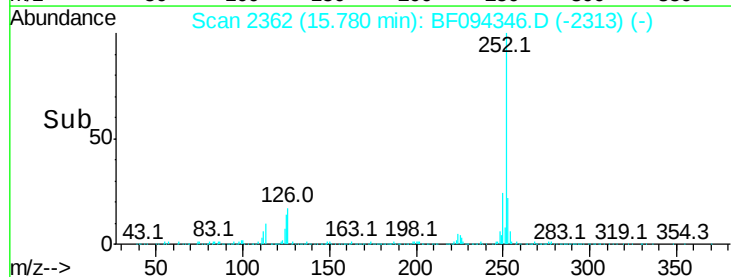
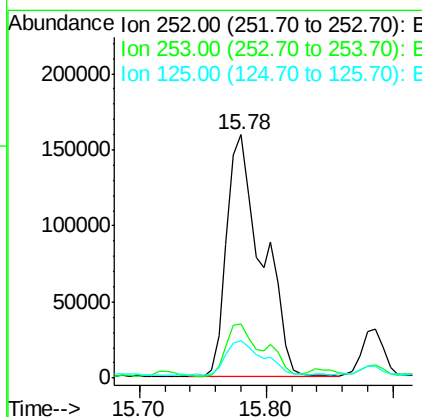
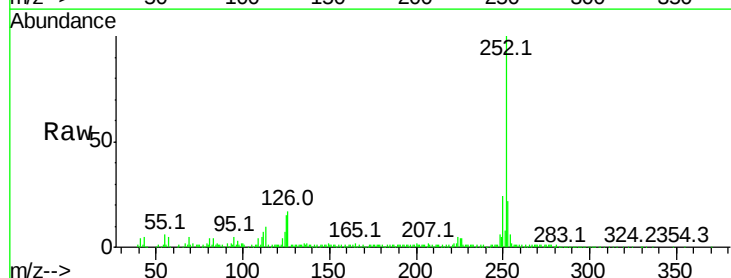
Instrument :
BNA_F
ClientSampleId :

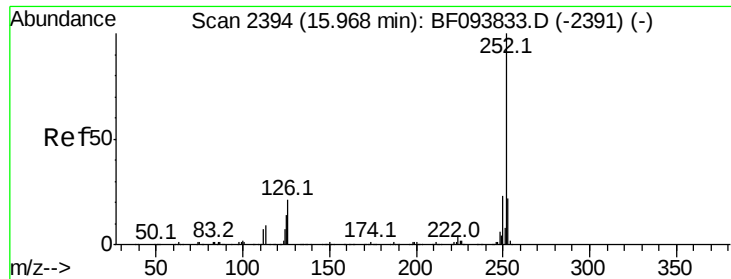
Tot Ion:264 Resp: 248383
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 21.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 20.31 ng
RT: 15.78 min Scan# 2362
Delta R.T. -0.01 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

Tgt Ion:252 Resp: 309182
Ion Ratio Lower Upper
252 100
253 22.0 18.1 27.1
125 15.4 9.8 14.8#

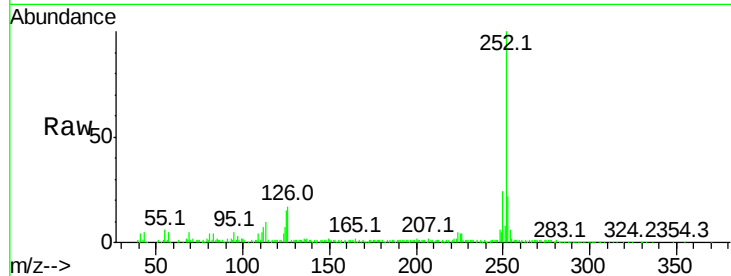




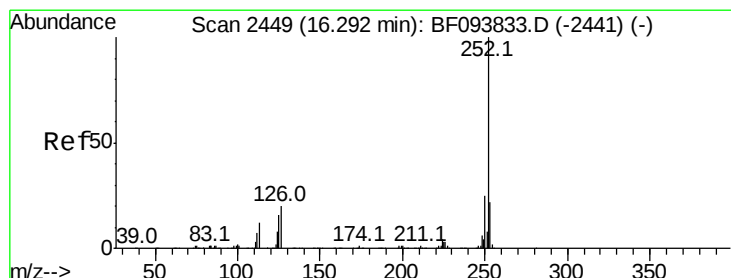
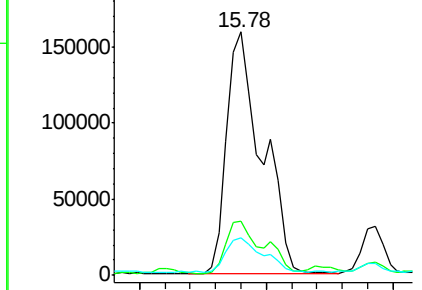
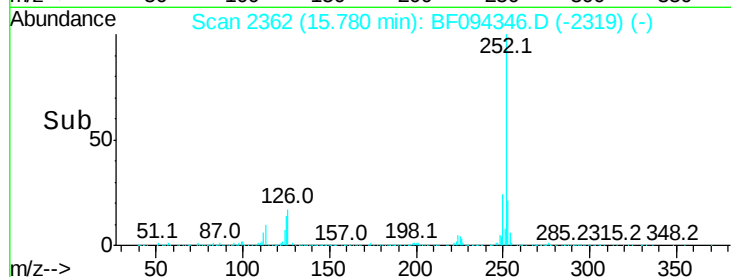
#88
Benzo(k)fluoranthene
Concen: 20.76 ng
RT: 15.78 min Scan# 2362
Delta R.T. -0.05 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	15.4	13.1	19.7

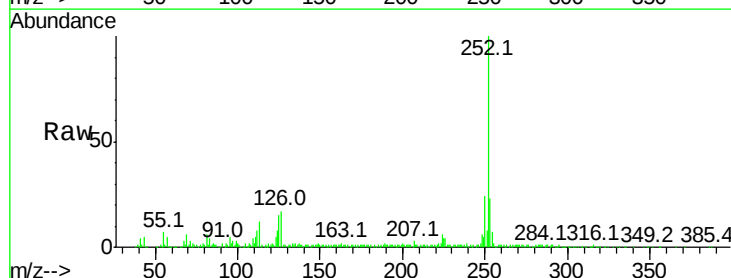


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

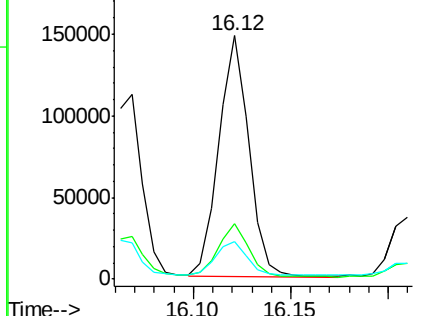
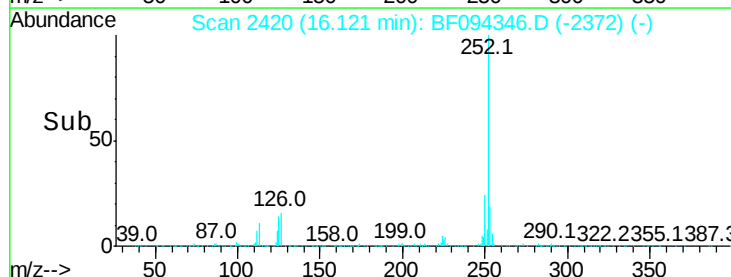


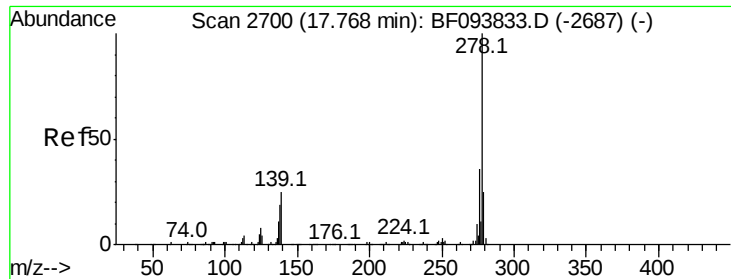
#89
Benzo(a)pyrene
Concen: 11.31 ng
RT: 16.12 min Scan# 2420
Delta R.T. -0.02 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	15.2	11.0	16.4



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

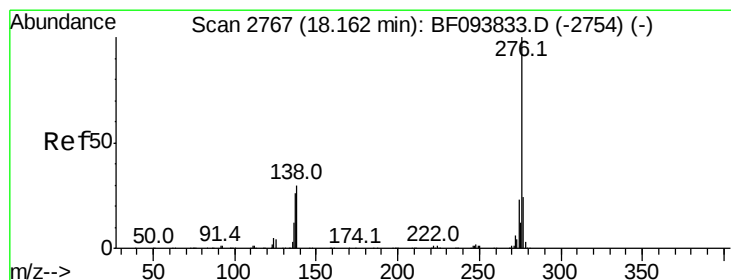
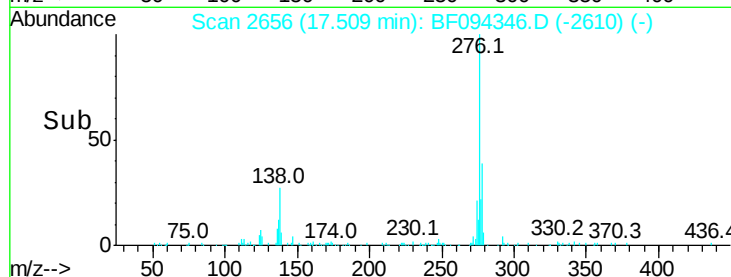
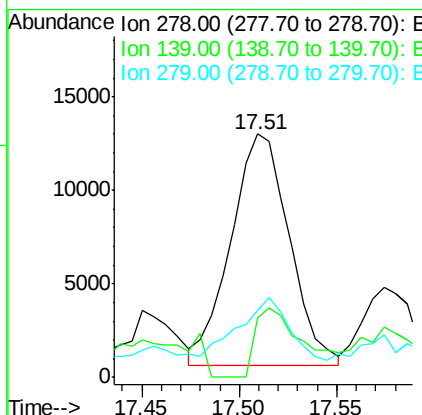
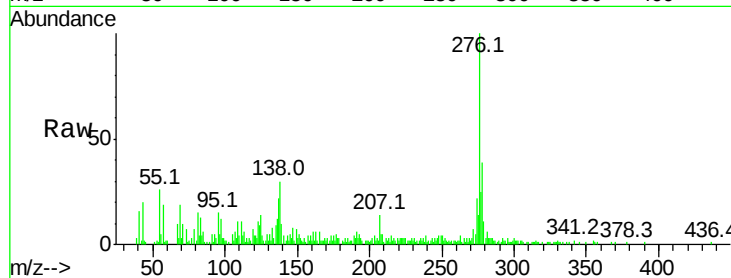




#90
Dibenzo(a,h)anthracene
Concen: 2.17 ng
RT: 17.51 min Scan# 2656
Delta R.T. -0.03 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 25732
Ion Ratio Lower Upper
278 100
139 24.5 16.6 24.8
279 27.7 19.3 28.9



#91
Benzo(g,h,i)perylene
Concen: 8.15 ng
RT: 17.89 min Scan# 2720
Delta R.T. -0.02 min
Lab File: BF094346.D
Acq: 11 Apr 2017 8:44

Tgt Ion:276 Resp: 97574
Ion Ratio Lower Upper
276 100
277 24.2 18.6 28.0
138 35.5 25.4 38.0

