

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094256.D
 Acq On : 7 Apr 2017 6:27
 Operator : SJ/MA
 Sample : I2563-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-ESW

Quant Time: Apr 07 06:53:45 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	5.85	152	167256	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	659365	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	289565	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	447999	20.00	ng	0.00
75) Chrysene-d12	14.57	240	308270	20.00	ng	0.00
86) Perylene-d12	16.20	264	265157	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	912633	92.16	ng	0.00
7) Phenol-d6	5.46	99	1231267	100.51	ng	0.00
23) Nitrobenzene-d5	6.50	82	850490	73.61	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	190678	83.33	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1347776	70.99	ng	0.00
78) Terphenyl-d14	13.30	244	774798	56.34	ng	0.00

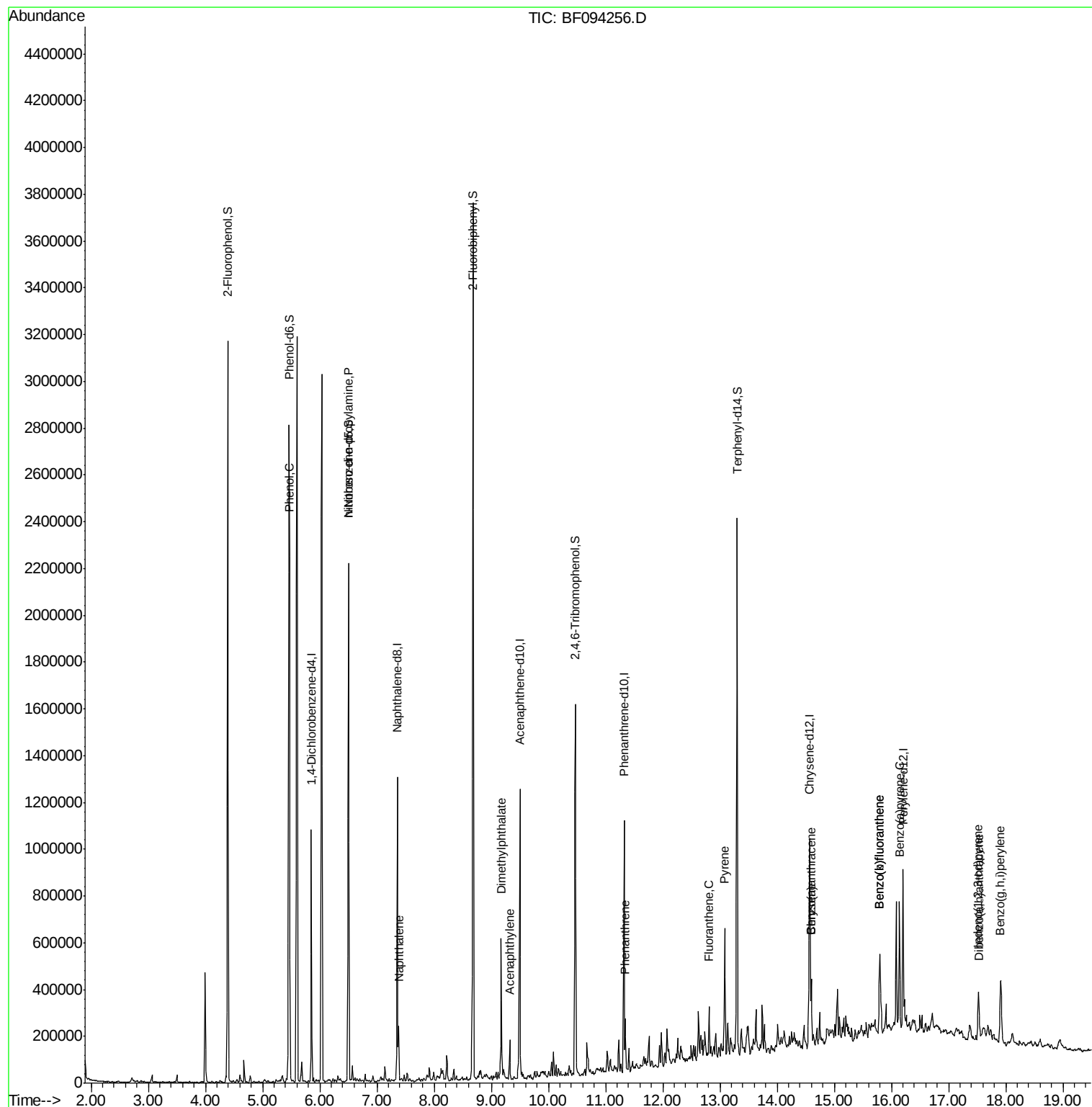
Target Compounds					Qvalue	
10) Phenol	5.47	94	80409	5.77	ng	90
19) n-Nitroso-di-n-propylamine	6.50	70	112533	14.29	ng	# 78
31) Naphthalene	7.38	128	89094	2.81	ng	98
48) Acenaphthylene	9.32	152	79337	2.61	ng	98
49) Dimethylphthalate	9.17	163	260197	12.64	ng	99
70) Phenanthrene	11.35	178	83937	3.37	ng	99
74) Fluoranthene	12.81	202	89331	3.50	ng	99
77) Pyrene	13.09	202	225232	10.07	ng	98
80) Benzo(a)anthracene	14.60	228	147888	8.23	ng	95
82) Chrysene	14.60	228	147888	8.87	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.52	276	117771	8.15	ng	94
87) Benzo(b)fluoranthene	15.80	252	226573	13.94	ng	# 98
88) Benzo(k)fluoranthene	15.80	252	226573	14.25	ng	98
89) Benzo(a)pyrene	16.14	252	217213	14.51	ng	99
90) Dibenzo(a,h)anthracene	17.54	278	34929	2.76	ng	94
91) Benzo(g,h,i)perylene	17.92	276	185945	14.56	ng	98

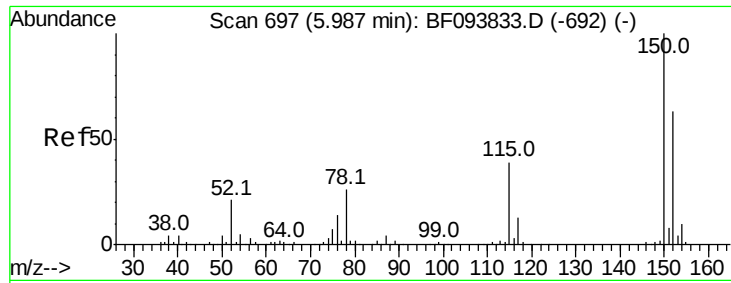
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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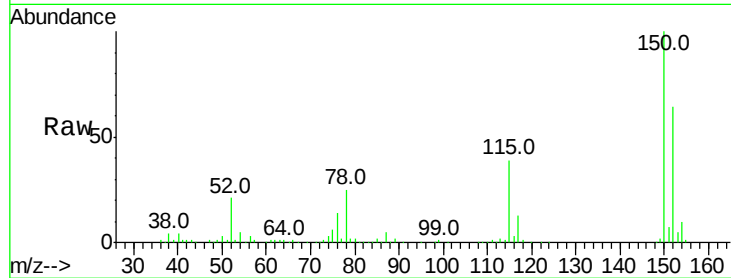


#1

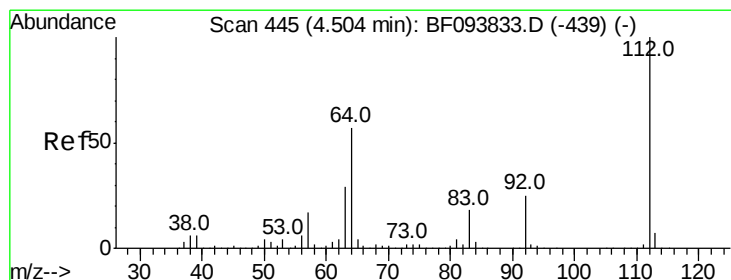
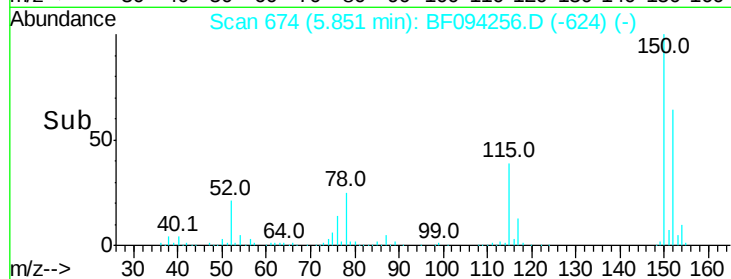
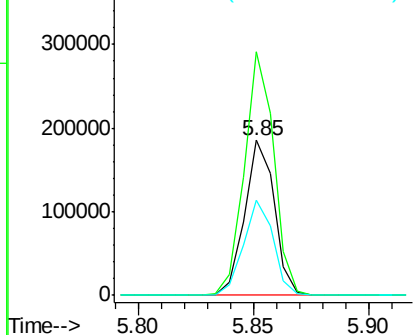
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.85 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF094256.D
 Acq: 7 Apr 2017 6:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-ESW

Tot Ion:152 Resp: 167256
 Ion Ratio Lower Upper
 152 100
 150 157.0 126.2 189.2
 115 61.6 52.2 78.2



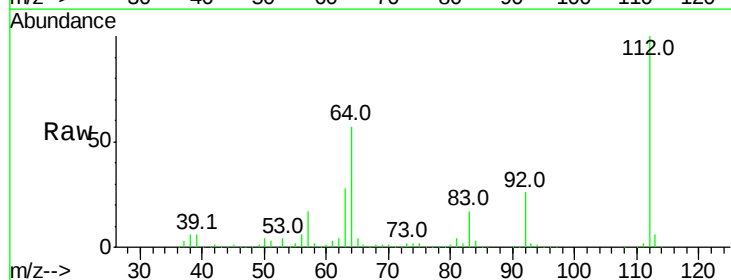
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



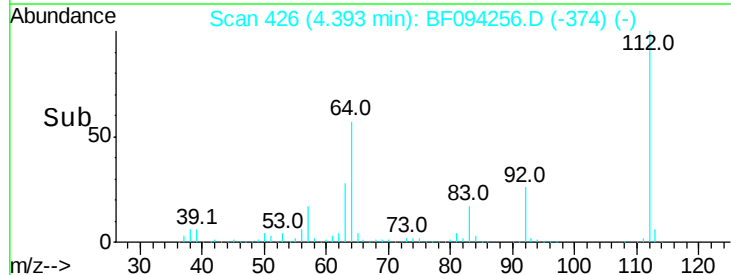
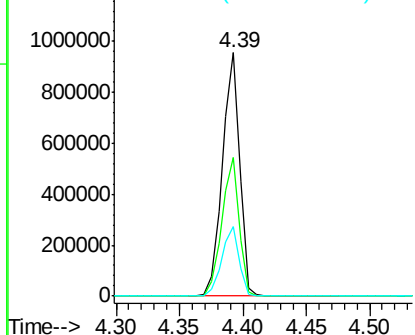
#5

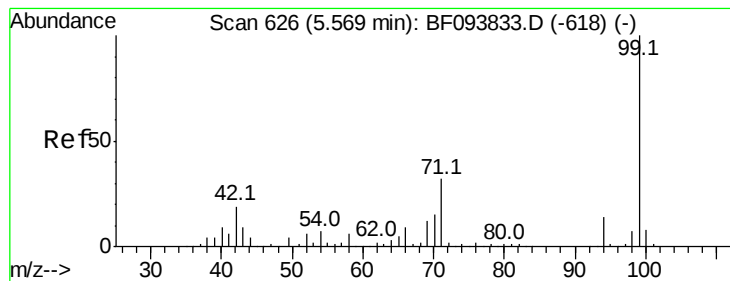
2-Fluorophenol
 Concen: 92.16 ng
 RT: 4.39 min Scan# 426
 Delta R.T. 0.01 min
 Lab File: BF094256.D
 Acq: 7 Apr 2017 6:27

Tgt Ion:112 Resp: 912633
 Ion Ratio Lower Upper
 112 100
 64 57.1 46.0 69.0
 63 28.5 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: 100.51 ng

RT: 5.46 min Scan# 608

Delta R.T. -0.00 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Instrument :

BNA_F

ClientSampleId :

E2-AA10-ESW

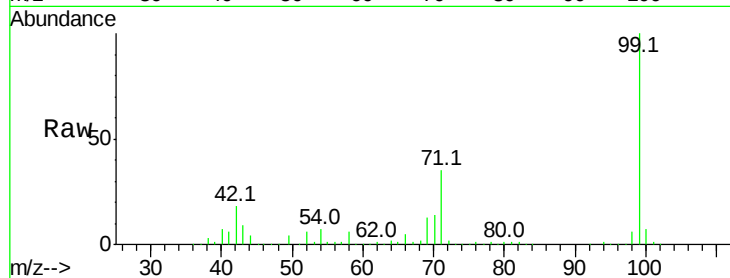
Tot Ion: 99 Resp: 1231267

Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.5	20.3
71	35.1	24.5	36.7

99 100

42 18.3 13.5 20.3

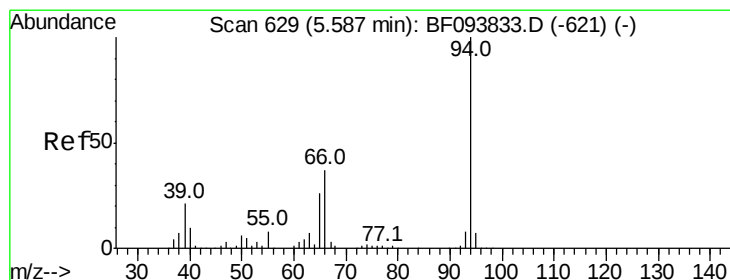
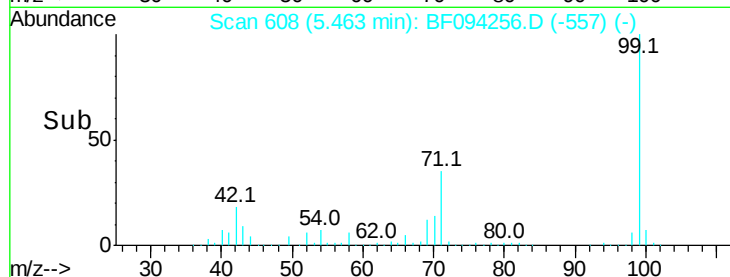
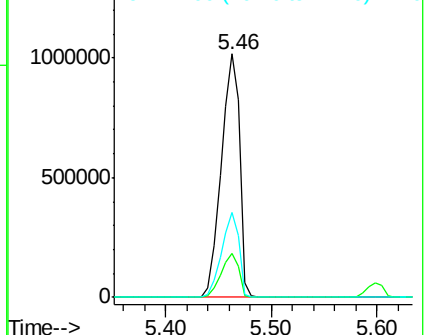
71 35.1 24.5 36.7



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: 5.77 ng

RT: 5.47 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

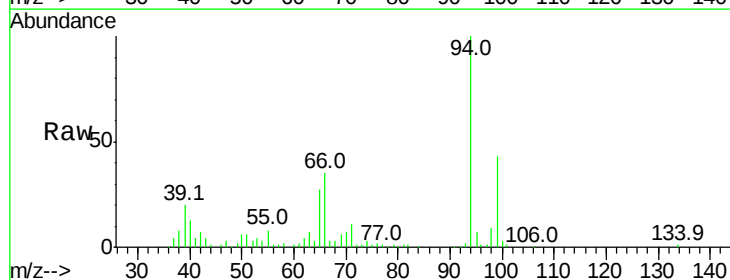
Tgt Ion: 94 Resp: 80409

Ion	Ratio	Lower	Upper
94	100		
65	26.7	9.9	49.9
66	34.8	23.1	63.1

94 100

65 26.7 9.9 49.9

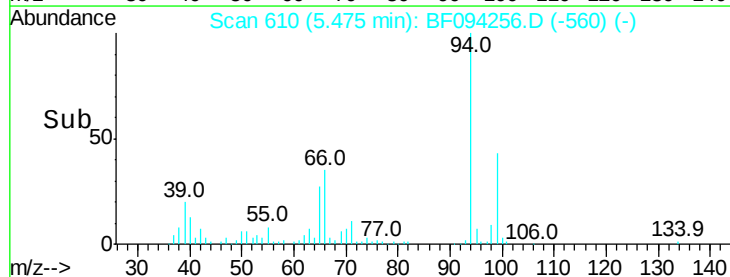
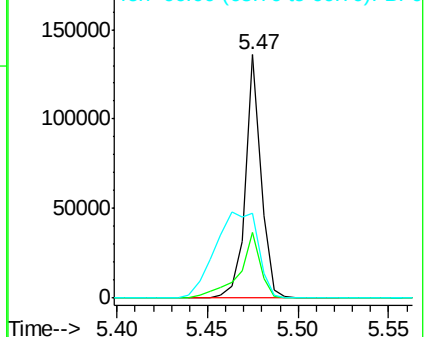
66 34.8 23.1 63.1

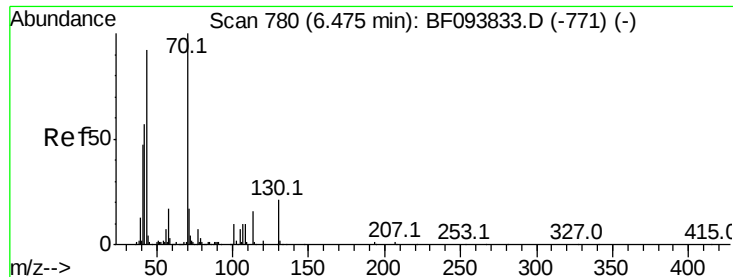


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

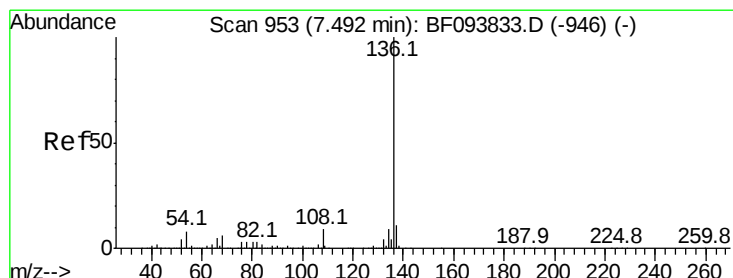
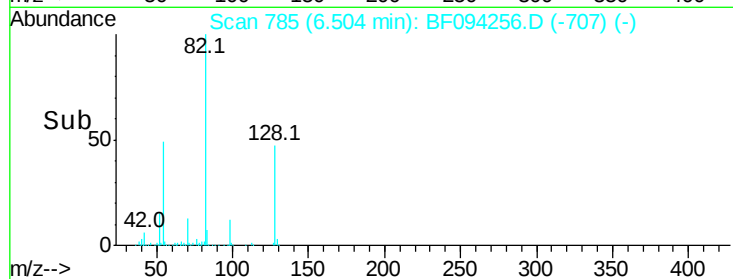
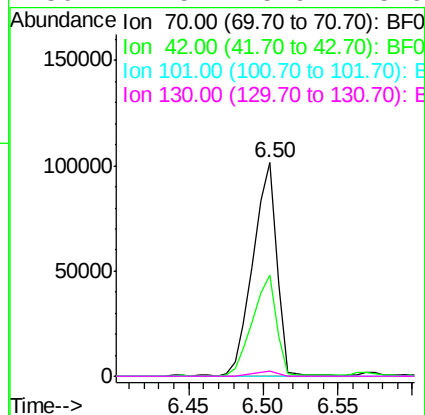
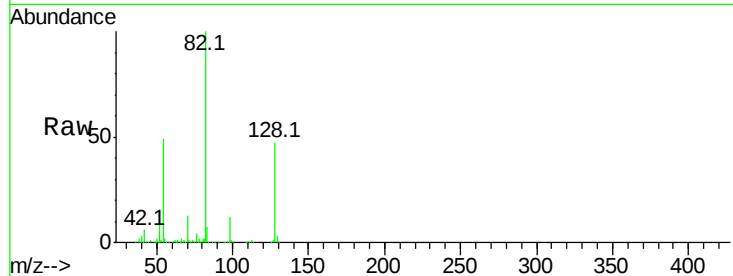




#19
n-Nitroso-di-n-propylamine
Concen: 14.29 ng
RT: 6.50 min Scan# 785
Delta R.T. 0.16 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

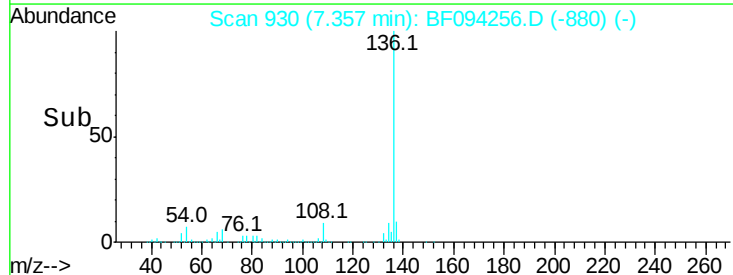
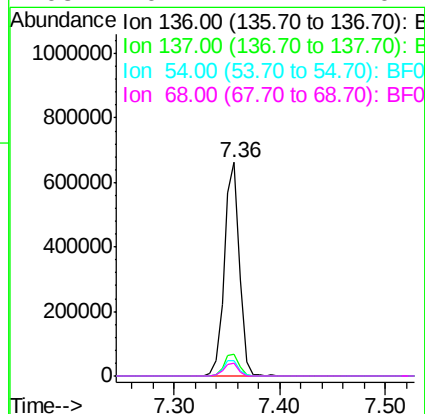
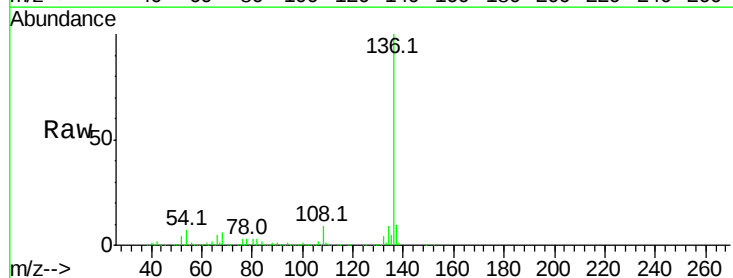
Instrument :
BNA_F
ClientSampleId :
E2-AA10-ESW

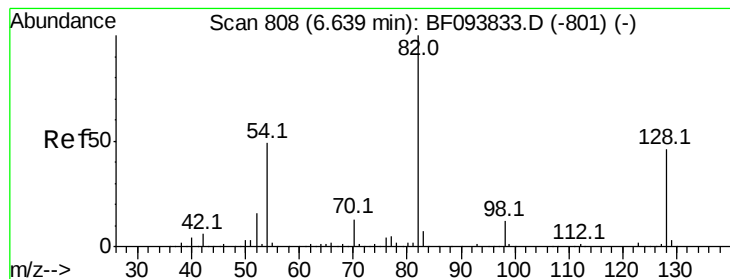
Tot Ion: 70 Resp: 112533
Ion Ratio Lower Upper
70 100
42 47.2 47.2 70.8#
101 0.0 7.2 10.8#
130 2.5 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.36 min Scan# 930
Delta R.T. -0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Tgt Ion: 136 Resp: 659365
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 7.3 4.9 7.3
68 6.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 73.61 ng

RT: 6.50 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Instrument :

BNA_F

ClientSampleId :

E2-AA10-ESW

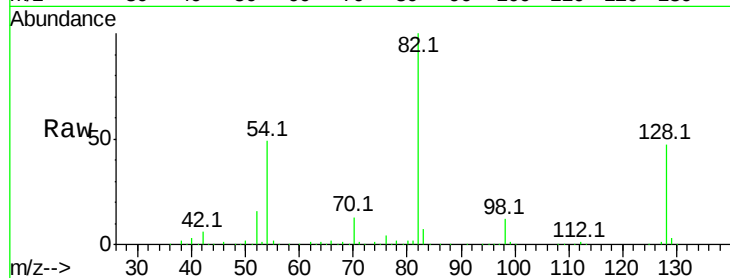
Tot Ion: 82 Resp: 850490

Ion Ratio Lower Upper

82 100

128 46.8 34.0 51.0

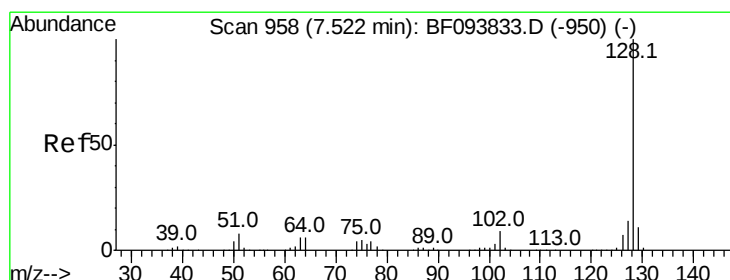
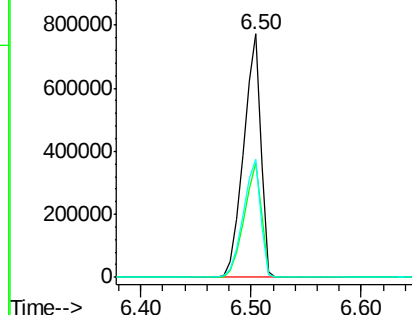
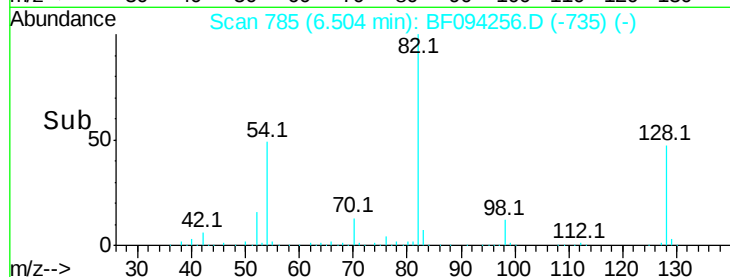
54 48.8 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 2.81 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

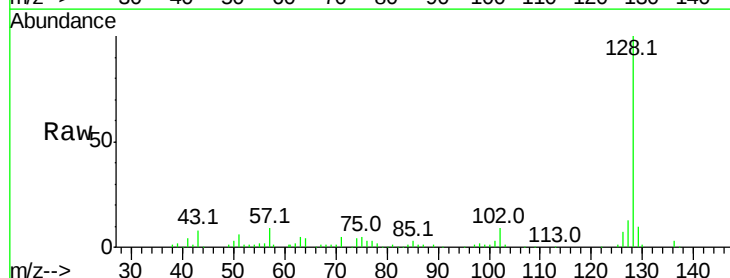
Tgt Ion:128 Resp: 89094

Ion Ratio Lower Upper

128 100

129 10.4 9.0 13.6

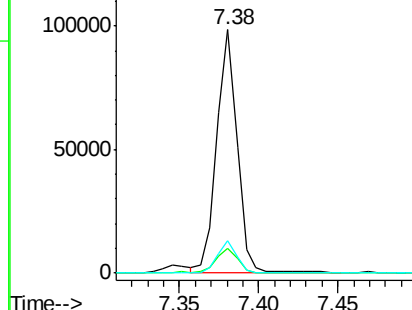
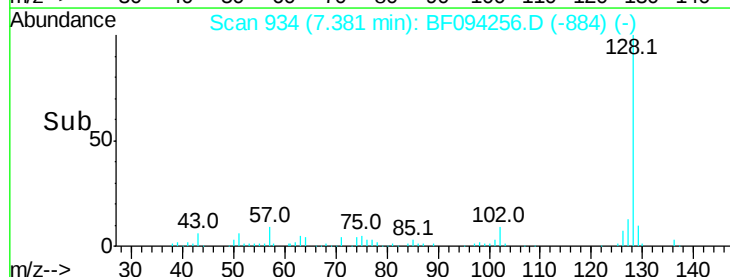
127 13.1 10.8 16.2

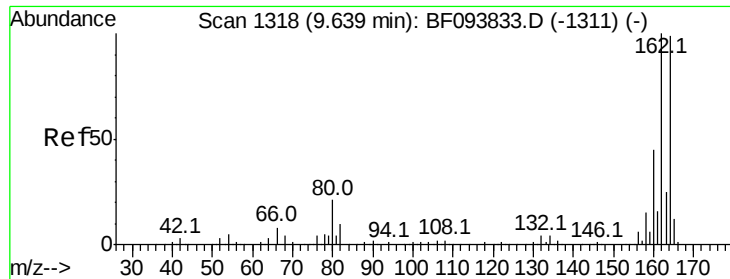


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

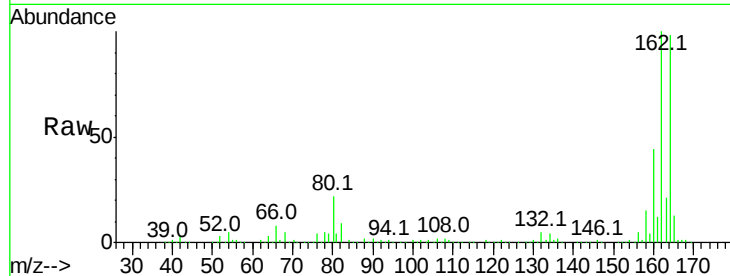




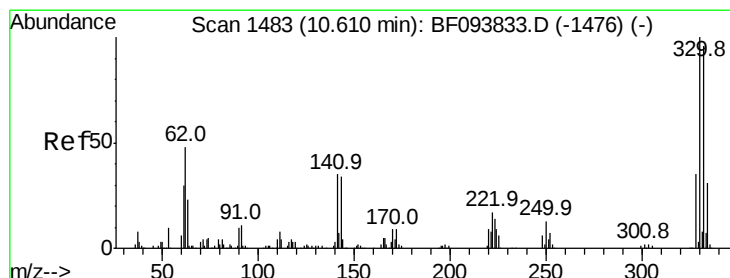
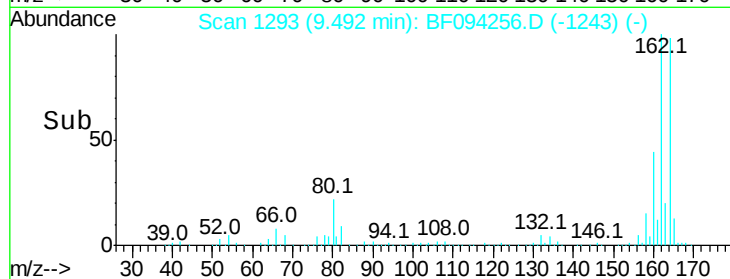
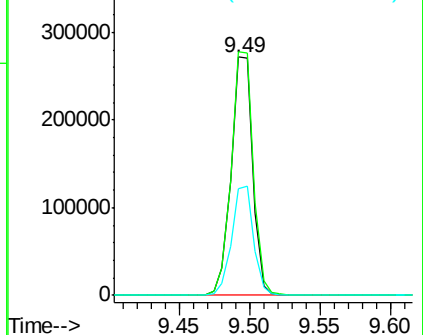
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF094256.D
 Acq: 7 Apr 2017 6:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-ESW

Tot Ion:164 Resp: 289565
 Ion Ratio Lower Upper
 164 100
 162 102.2 82.6 123.8
 160 44.9 36.2 54.2

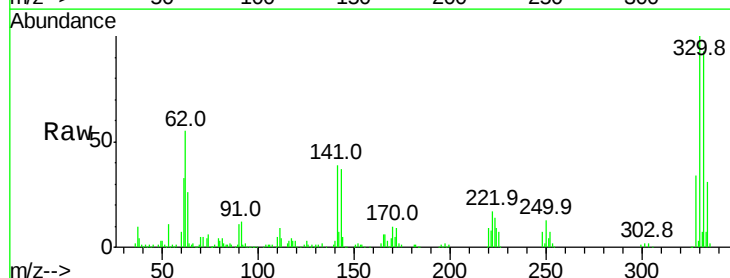


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

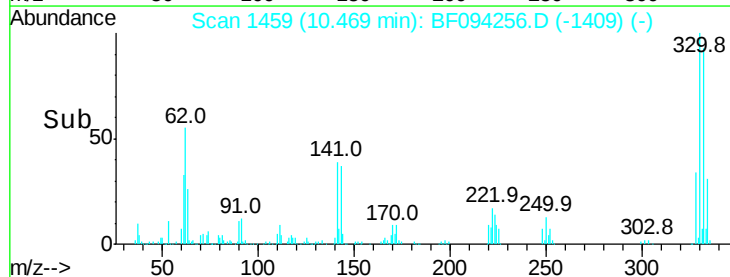
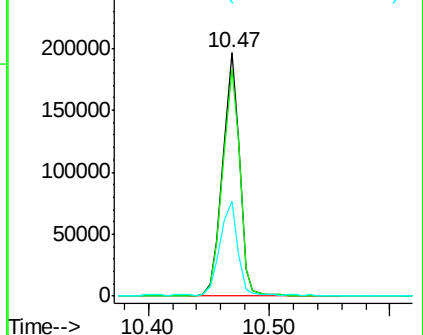


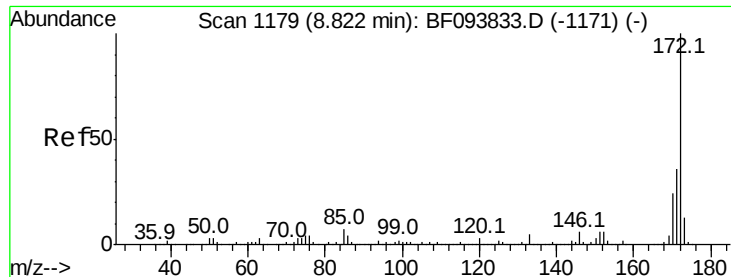
#41
 2,4,6-Tribromophenol
 Concen: 83.33 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF094256.D
 Acq: 7 Apr 2017 6:27

Tgt Ion:330 Resp: 190678
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 115.0
 141 40.2 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



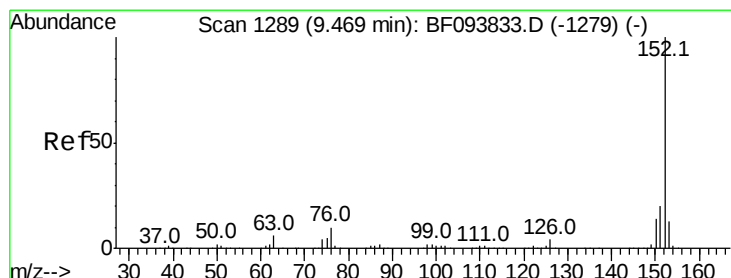
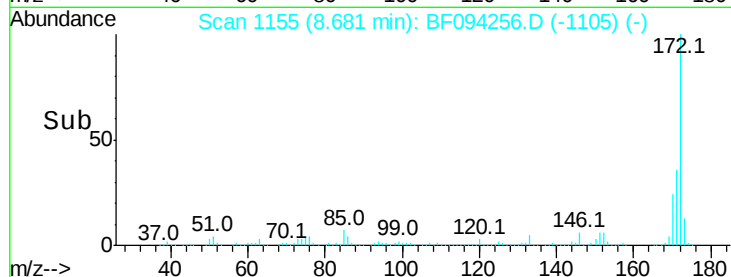
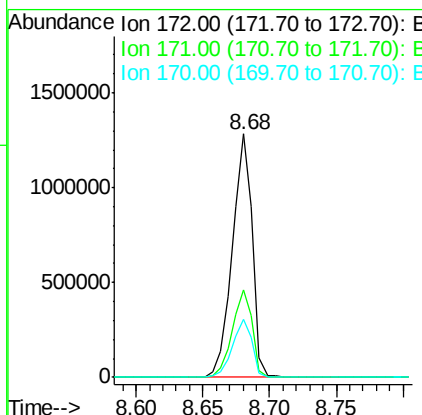
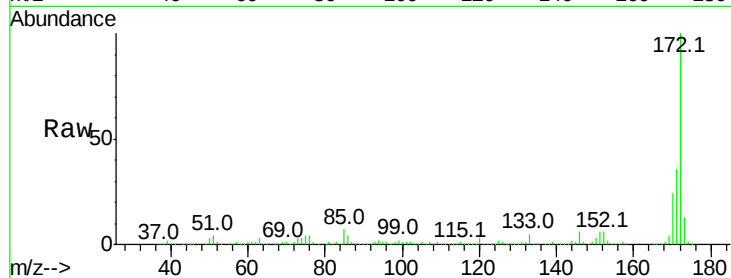


#44
 2-Fluorobiphenyl
 Concen: 70.99 ng
 RT: 8.68 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF094256.D
 Acq: 7 Apr 2017 6:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-ESW

Tot Ion:172 Resp: 1347776

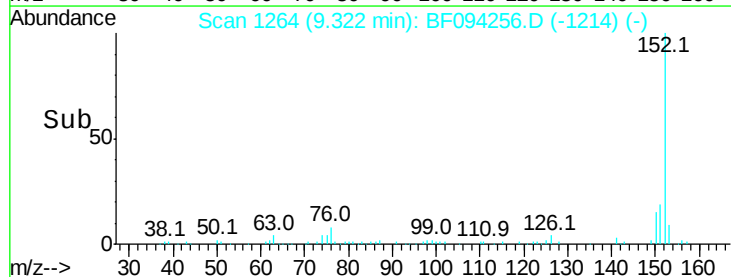
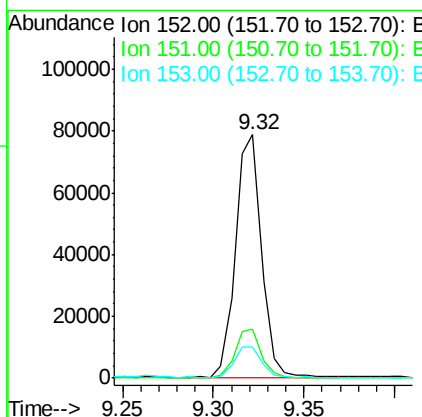
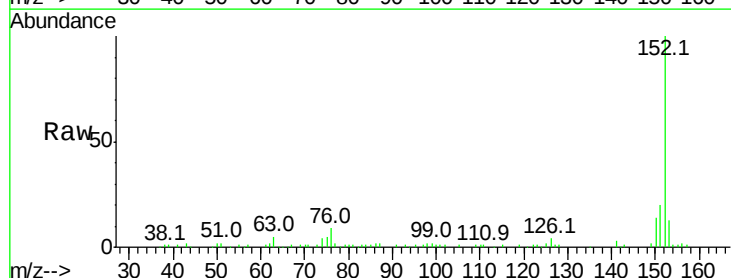
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.8	19.8	29.8

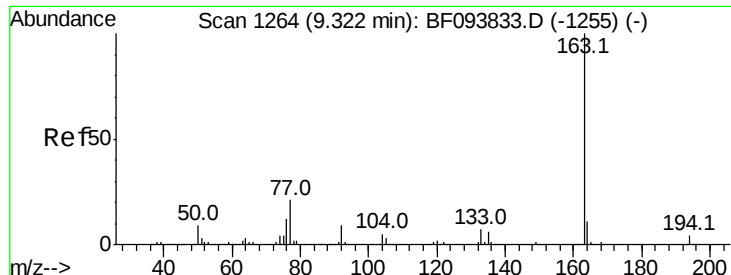


#48
 Acenaphthylene
 Concen: 2.61 ng
 RT: 9.32 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF094256.D
 Acq: 7 Apr 2017 6:27

Tgt Ion:152 Resp: 79337

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.8	25.2
153	13.0	10.8	16.2

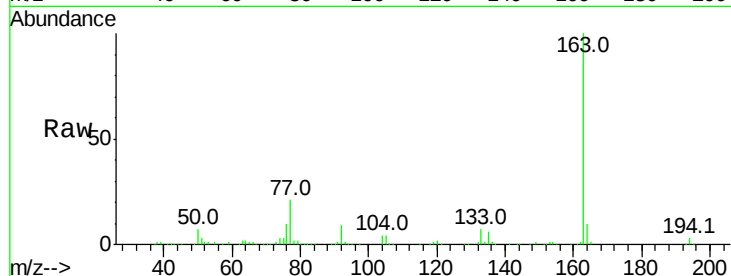




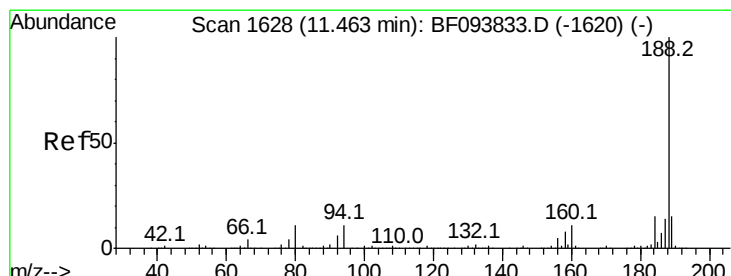
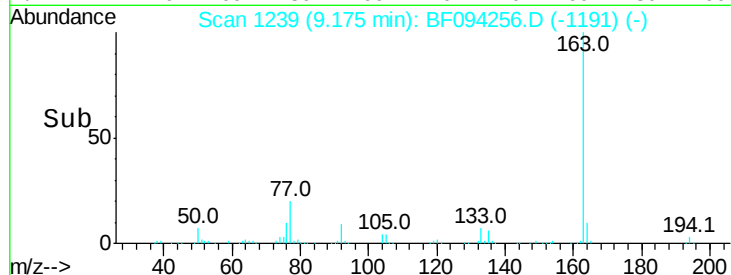
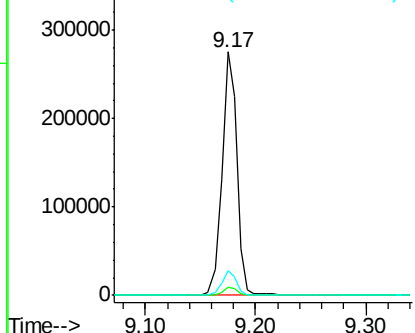
#49
Dimethylphthalate
Concen: 12.64 ng
RT: 9.17 min Scan# 1239
Delta R.T. -0.02 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Instrument :
BNA_F
ClientSampleId :
E2-AA10-ESW

Tot Ion:163 Resp: 260197
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.3 8.4 12.6

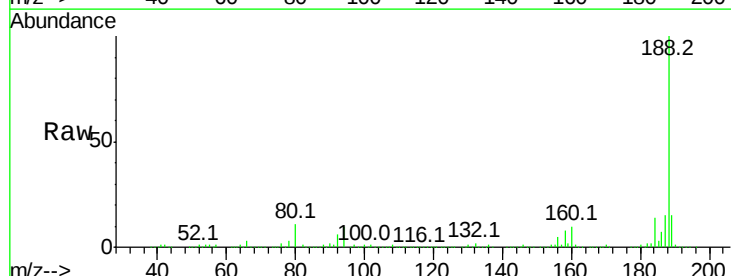


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

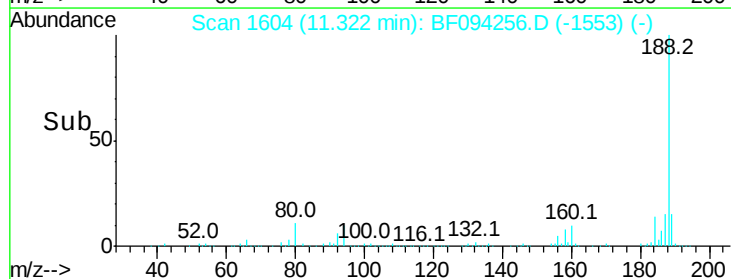
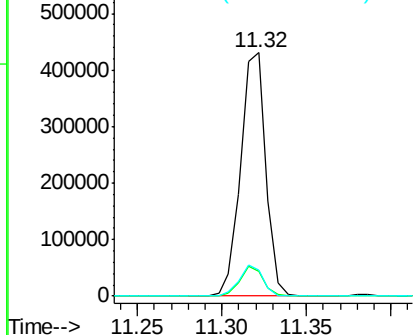


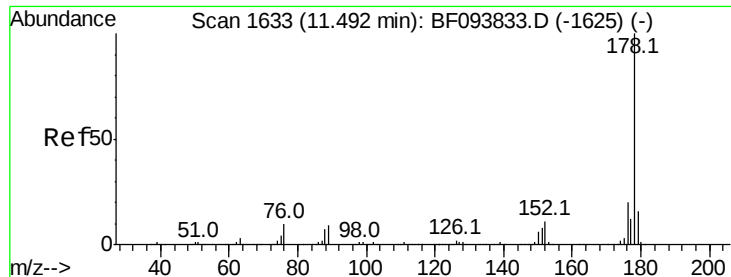
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Tgt Ion:188 Resp: 447999
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 10.8 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

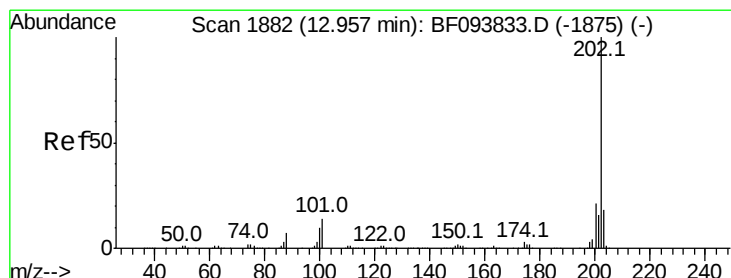
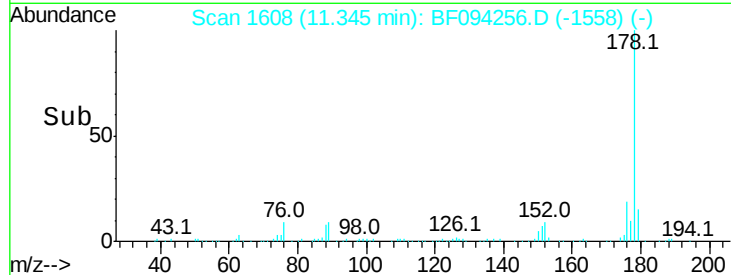
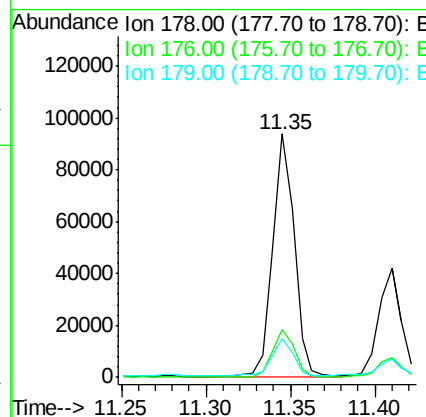
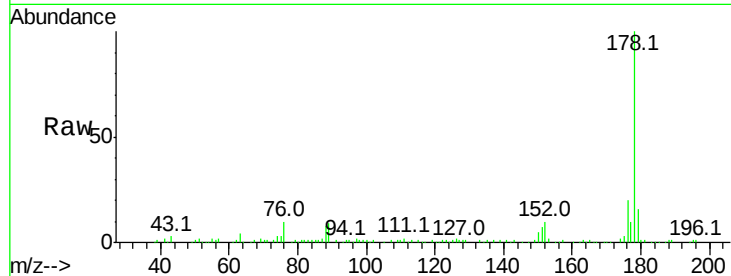




#70
Phenanthrene
Concen: 3.37 ng
RT: 11.35 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

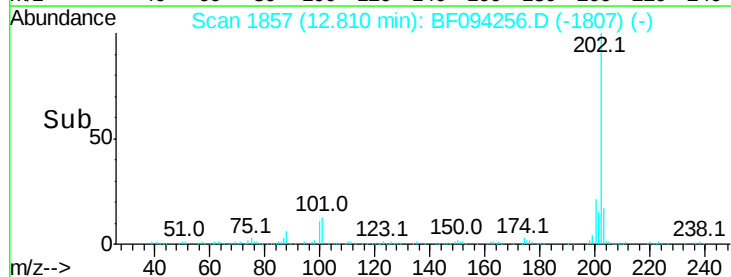
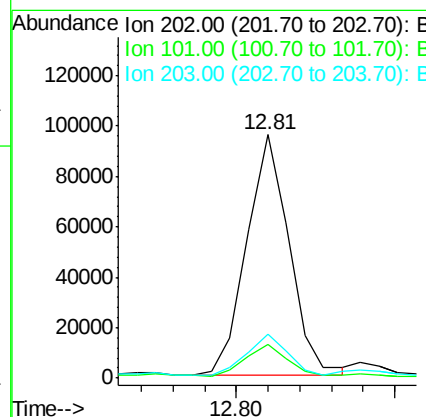
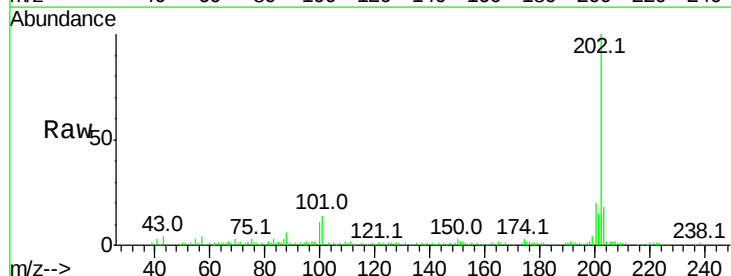
Instrument :
BNA_F
ClientSampleId :
E2-AA10-ESW

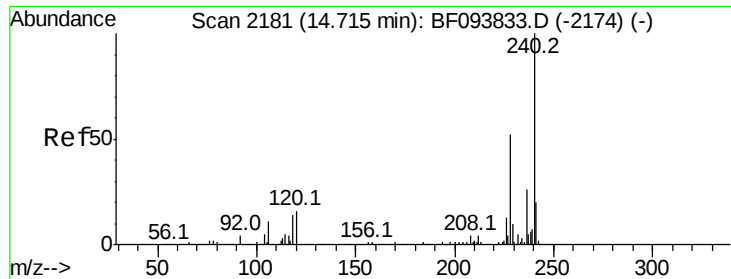
Tot Ion:178 Resp: 83937
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 16.1 12.6 19.0



#74
Fluoranthene
Concen: 3.50 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Tgt Ion:202 Resp: 89331
Ion Ratio Lower Upper
202 100
101 13.9 0.0 33.2
203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.57 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Instrument :

BNA_F

ClientSampleId :

E2-AA10-ESW

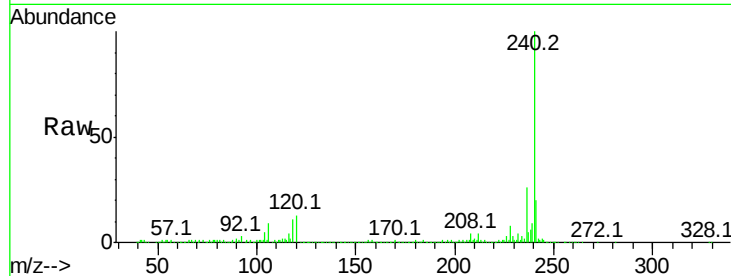
Tot Ion:240 Resp: 308270

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

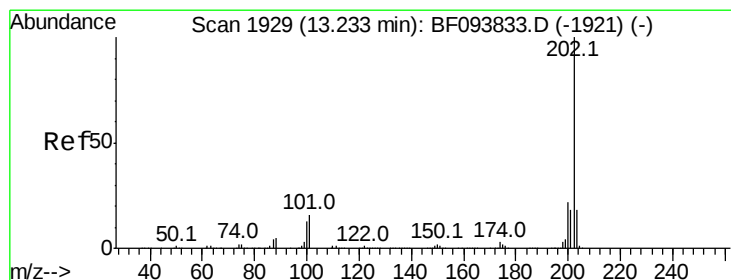
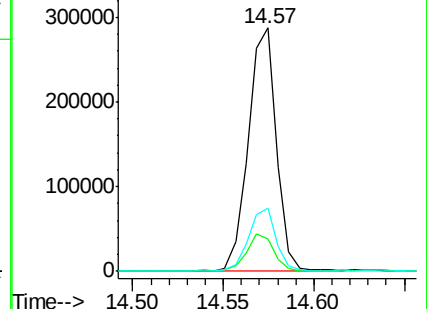
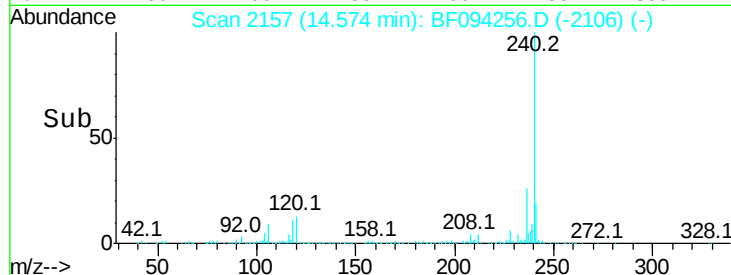
236 25.8 20.5 30.7



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: 10.07 ng

RT: 13.09 min Scan# 1904

Delta R.T. -0.01 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

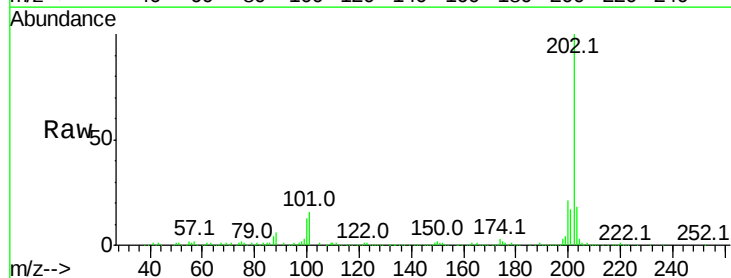
Tgt Ion:202 Resp: 225232

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

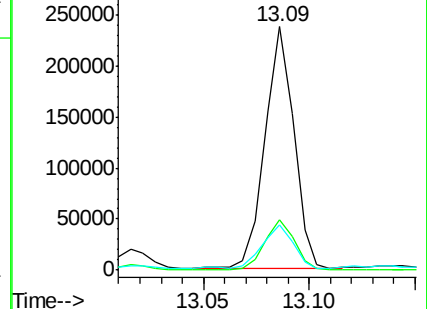
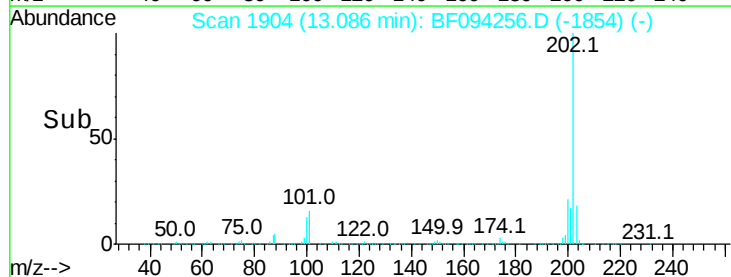
203 18.4 14.4 21.6

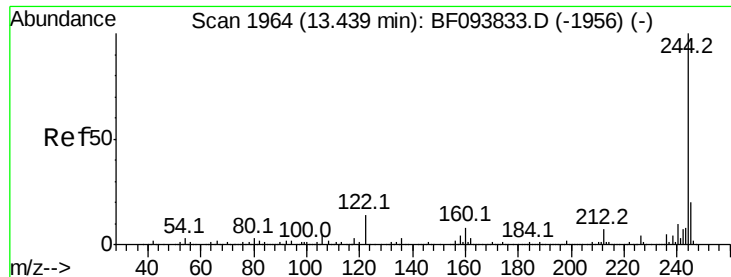


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

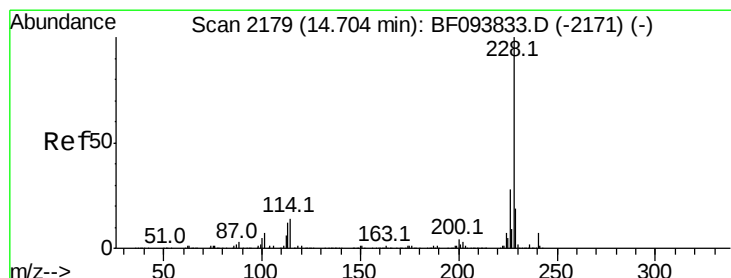
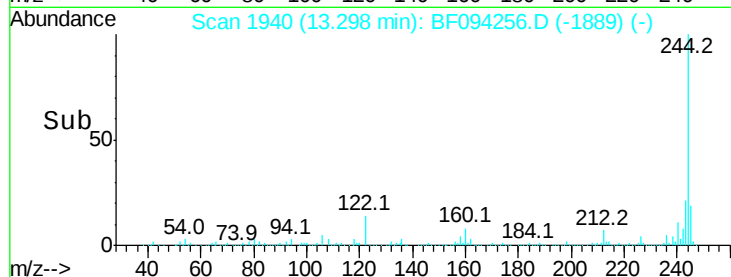
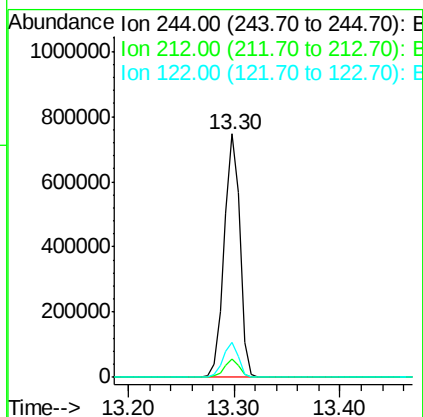
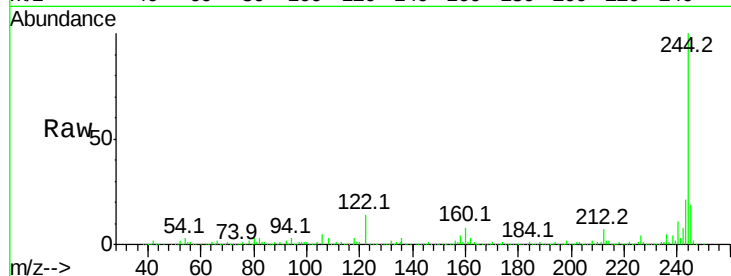




#78
 Terphenyl-d14
 Concen: 56.34 ng
 RT: 13.30 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: BF094256.D
 Acq: 7 Apr 2017 6:27

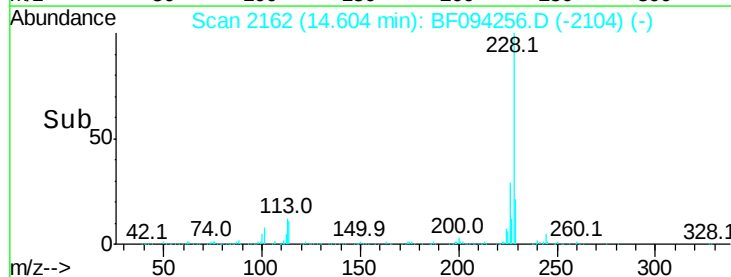
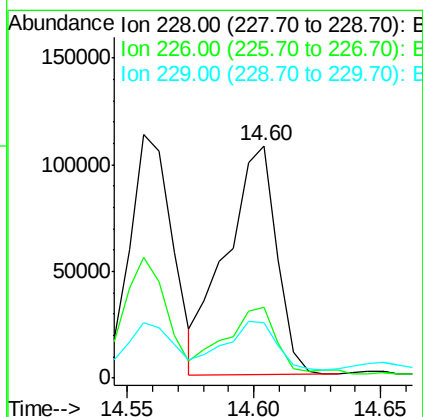
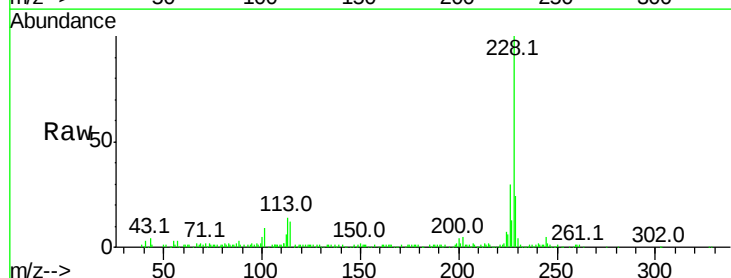
Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-ESW

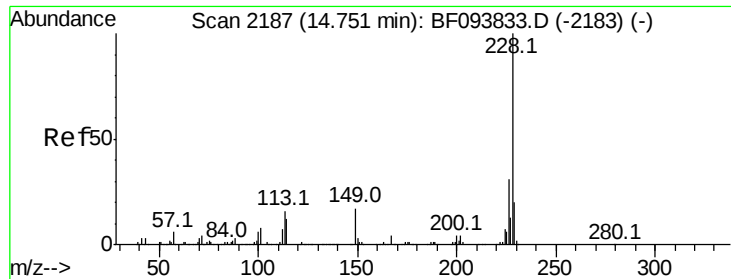
Tot Ion:244 Resp: 774798
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 14.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 8.23 ng
 RT: 14.60 min Scan# 2162
 Delta R.T. 0.04 min
 Lab File: BF094256.D
 Acq: 7 Apr 2017 6:27

Tgt Ion:228 Resp: 147888
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.6 33.8
 229 23.7 16.3 24.5





#82

Chrysene

Concen: 8.87 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Instrument :

BNA_F

ClientSampleId :

E2-AA10-ESW

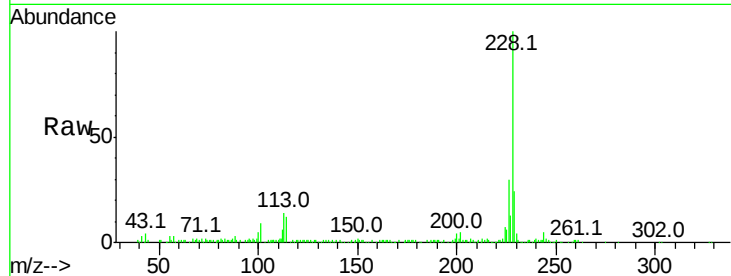
Tot Ion:228 Resp: 147888

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

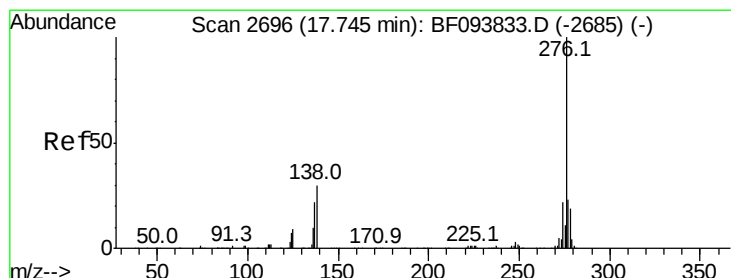
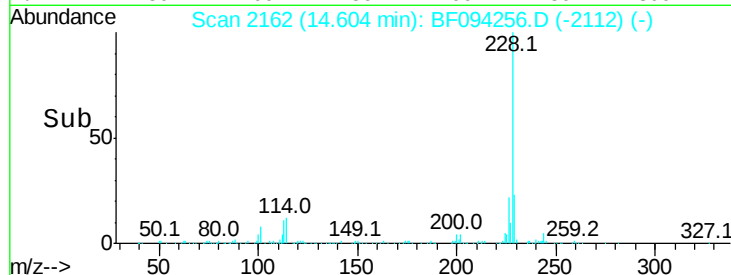
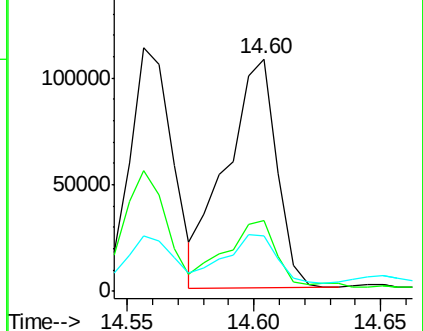
229 23.7 15.8 23.6#



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: 8.15 ng

RT: 17.52 min Scan# 2658

Delta R.T. -0.00 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

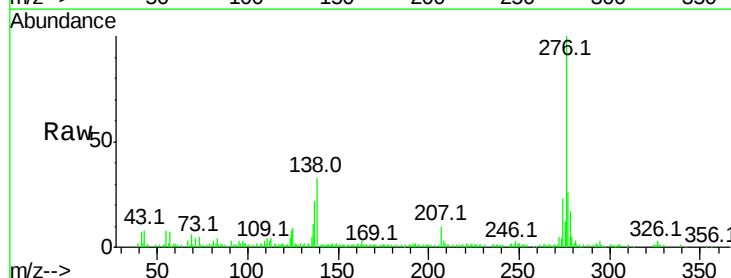
Tgt Ion:276 Resp: 117771

Ion Ratio Lower Upper

276 100

138 30.1 27.8 41.6

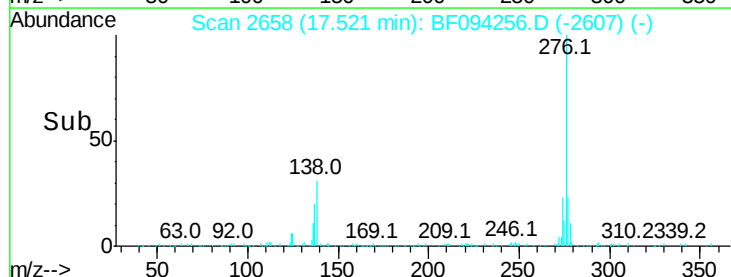
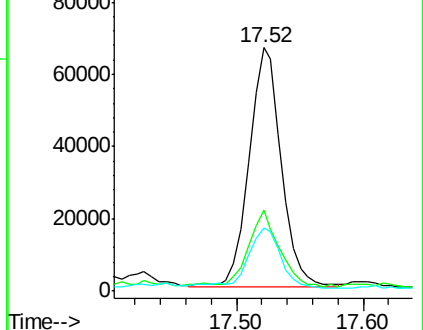
277 26.9 20.2 30.4

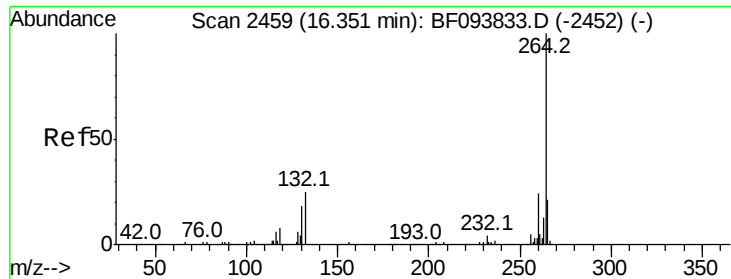


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

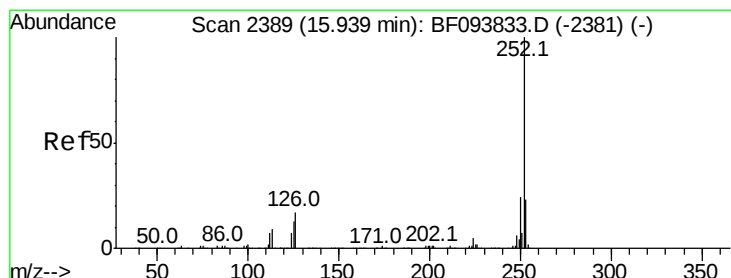
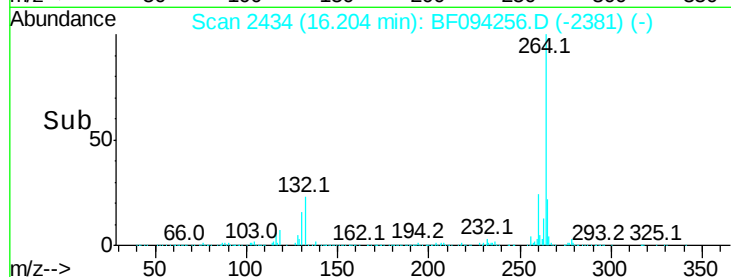
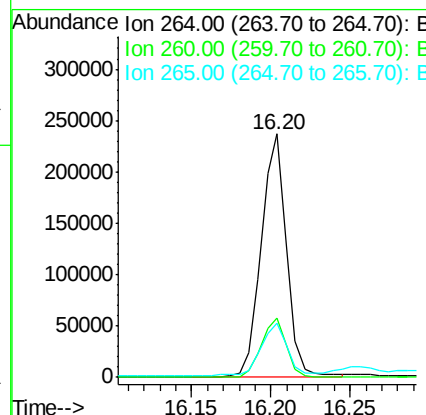
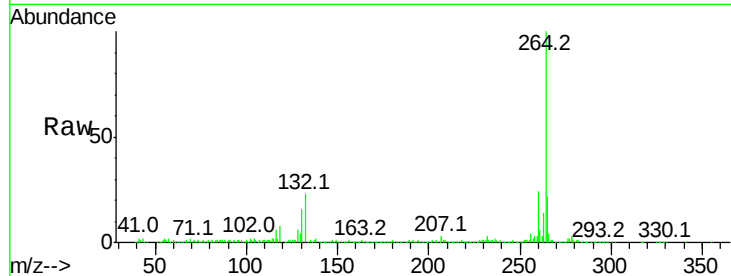




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.20 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

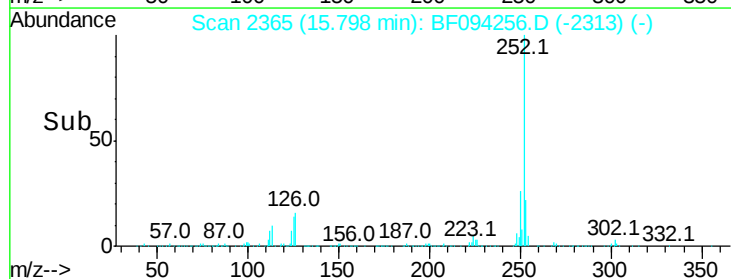
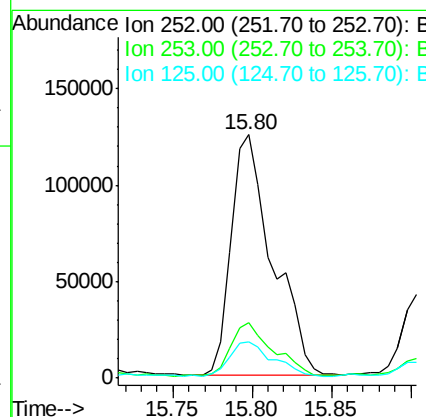
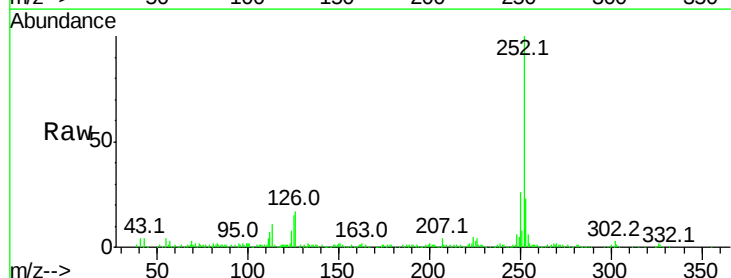
Instrument :
BNA_F
ClientSampleId :
E2-AA10-ESW

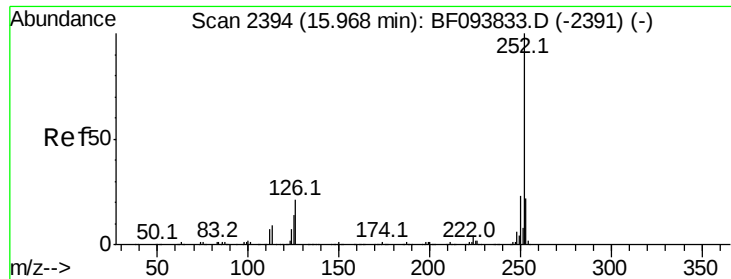
Tot Ion:264 Resp: 265157
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 13.94 ng
RT: 15.80 min Scan# 2365
Delta R.T. 0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Tgt Ion:252 Resp: 226573
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 14.8 9.8 14.8#

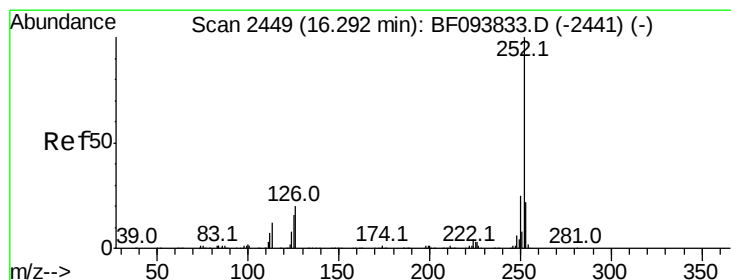
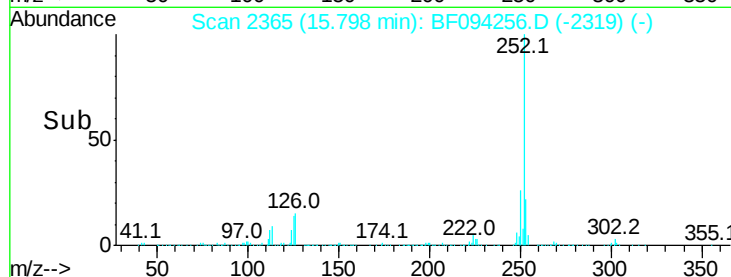
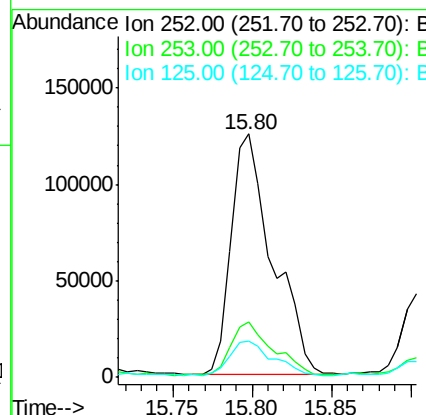
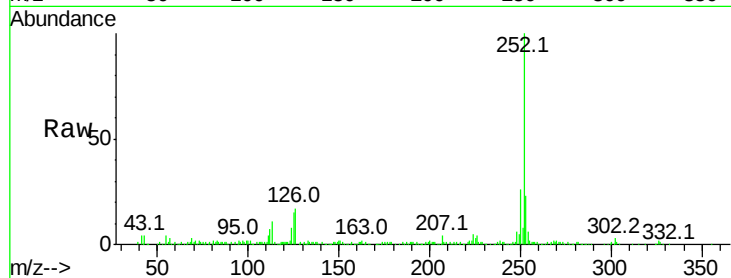




#88
Benzo(k)fluoranthene
Concen: 14.25 ng
RT: 15.80 min Scan# 2365
Delta R.T. -0.03 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

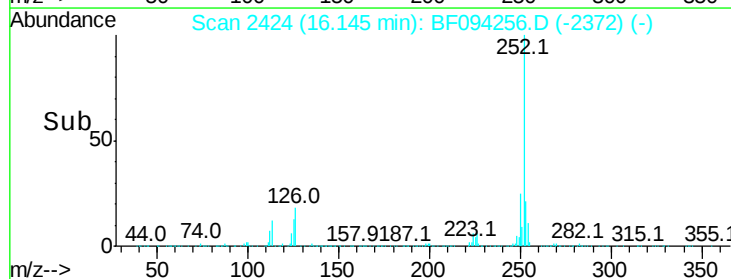
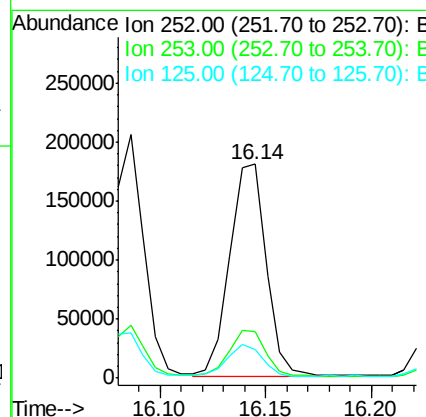
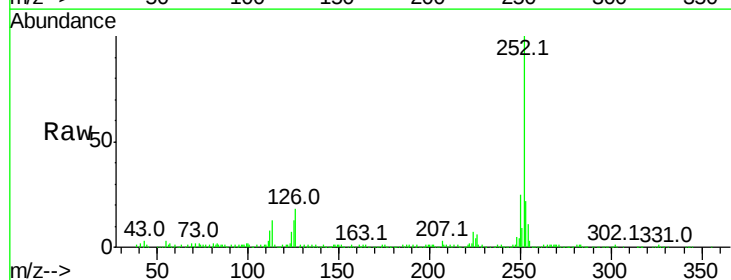
Instrument :
BNA_F
ClientSampleId :
E2-AA10-ESW

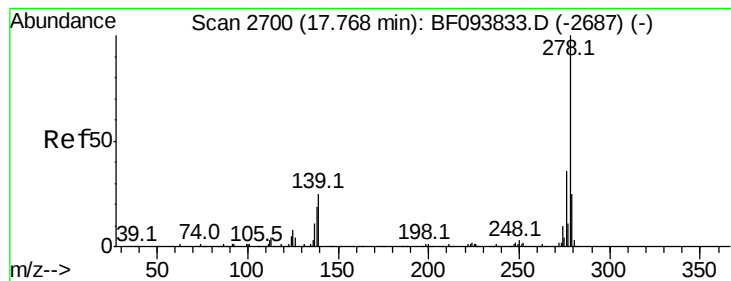
Tot Ion:252 Resp: 226573
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 14.8 13.1 19.7



#89
Benzo(a)pyrene
Concen: 14.51 ng
RT: 16.14 min Scan# 2424
Delta R.T. 0.01 min
Lab File: BF094256.D
Acq: 7 Apr 2017 6:27

Tgt Ion:252 Resp: 217213
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 13.2 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.76 ng

RT: 17.54 min Scan# 2661

Delta R.T. -0.00 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Instrument :

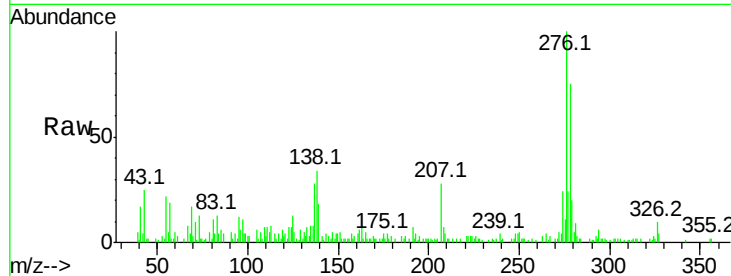
BNA_F

ClientSampleId :

E2-AA10-ESW

Tot Ion:278 Resp: 34929

Ion	Ratio	Lower	Upper
278	100		
139	23.4	16.6	24.8
279	27.4	19.3	28.9

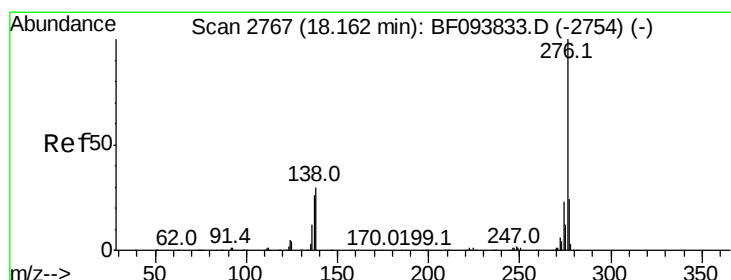
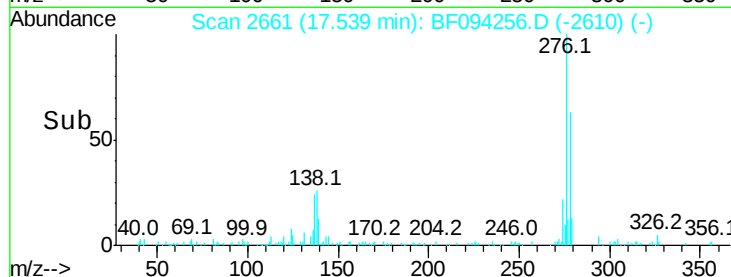
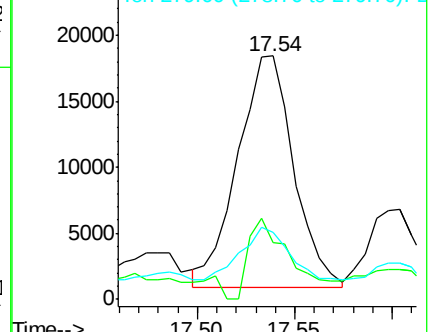


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 14.56 ng

RT: 17.92 min Scan# 2725

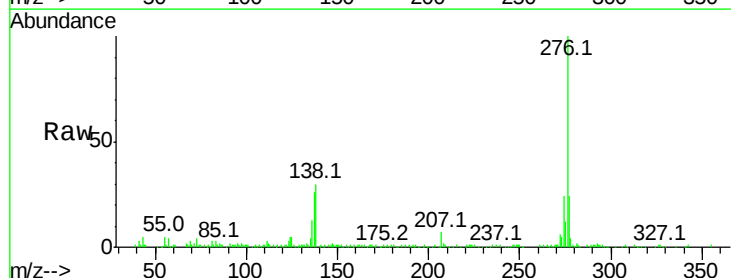
Delta R.T. 0.01 min

Lab File: BF094256.D

Acq: 7 Apr 2017 6:27

Tgt Ion:276 Resp: 185945

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	30.0	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

