

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094255.D
 Acq On : 7 Apr 2017 6:00
 Operator : SJ/MA
 Sample : I2563-03
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-SSW

Quant Time: Apr 07 06:28:08 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

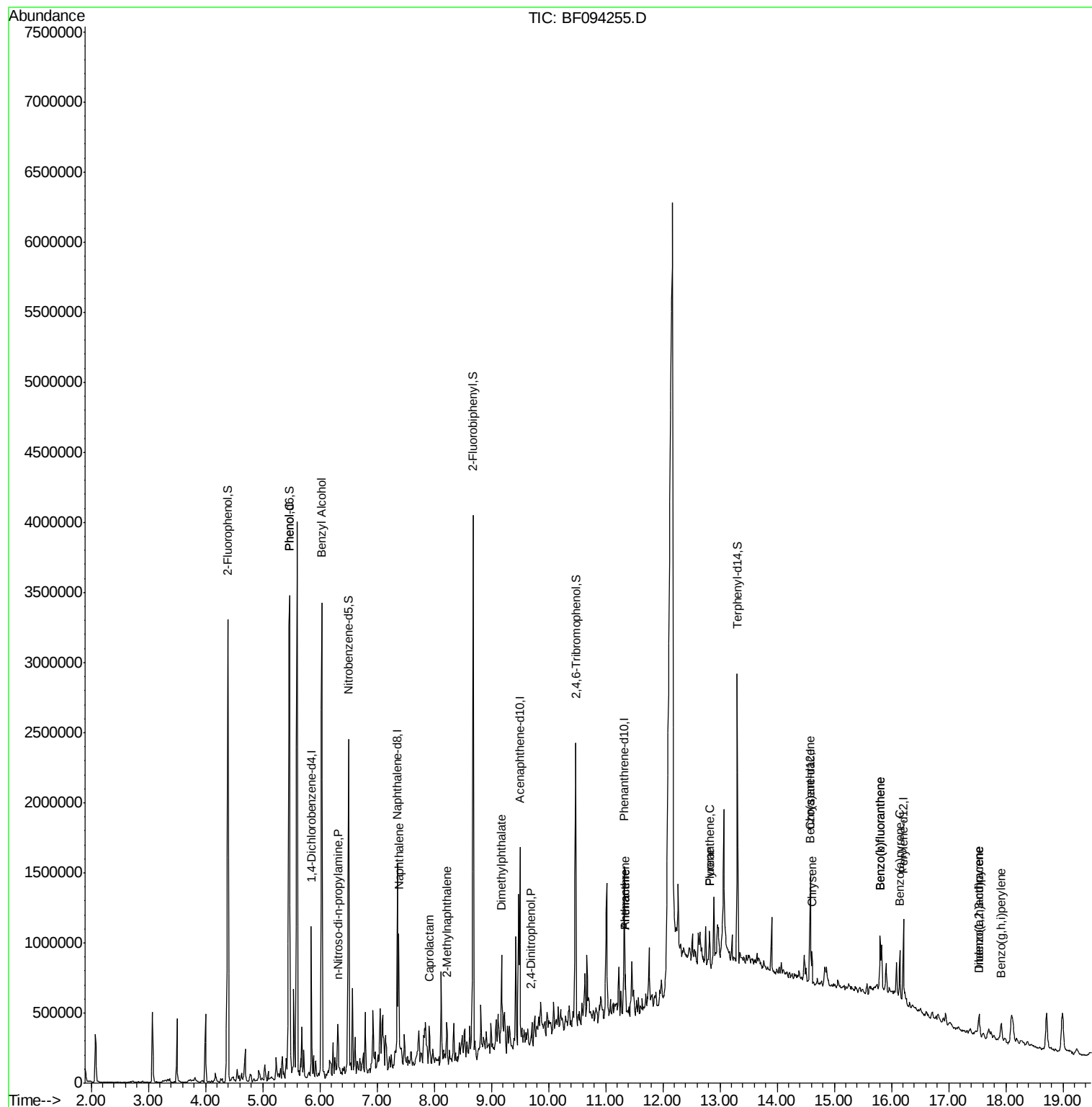
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	163392	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	638327	20.00	ng	0.00
38) Acenaphthene-d10	9.50	164	275994	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	417624	20.00	ng	0.00
75) Chrysene-d12	14.58	240	303468	20.00	ng	0.00
86) Perylene-d12	16.21	264	252718	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	1297812	134.16	ng	0.00
7) Phenol-d6	5.47	99	1568611	131.07	ng	0.00
23) Nitrobenzene-d5	6.50	82	1015262	90.77	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	292067	133.92	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1569375	86.73	ng	0.00
78) Terphenyl-d14	13.31	244	875912	64.70	ng	0.01
Target Compounds						Qvalue
10) Phenol	5.47	94	130049	9.55	ng	95
15) Benzyl Alcohol	6.03	79	18979	2.17	ng	# 40
19) n-Nitroso-di-n-propylamine	6.31	70	16917	2.20	ng	# 59
31) Naphthalene	7.38	128	78443	2.56	ng	# 96
35) Caprolactam	7.92	113	6517	2.41	ng	# 1
37) 2-Methylnaphthalene	8.22	142	75847	3.71	ng	99
49) Dimethylphthalate	9.18	163	295714	15.07	ng	97
53) 2,4-Dinitrophenol	9.69	184	109	4.71	ng	# 1
70) Phenanthrene	11.35	178	105048	4.52	ng	98
71) Anthracene	11.35	178	105048	4.39	ng	98
74) Fluoranthene	12.82	202	54314	2.28	ng	94
77) Pyrene	12.82	202	50251	2.28	ng	96
80) Benzo(a)anthracene	14.57	228	94195	5.32	ng	100
82) Chrysene	14.61	228	101686	6.19	ng	97
85) Indeno(1,2,3-cd)pyrene	17.53	276	93102	6.55	ng	96
87) Benzo(b)fluoranthene	15.80	252	269762	17.41	ng	# 93
88) Benzo(k)fluoranthene	15.80	252	269762	17.80	ng	98
89) Benzo(a)pyrene	16.14	252	150051	10.52	ng	# 95
90) Dibenzo(a,h)anthracene	17.54	278	24245	2.01	ng	# 81
91) Benzo(a,h,i)perylene	17.92	276	85241	7.00	ng	98

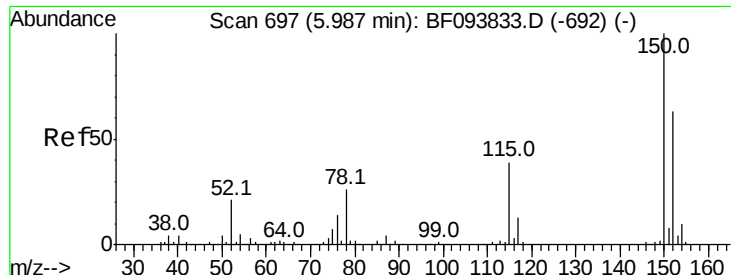
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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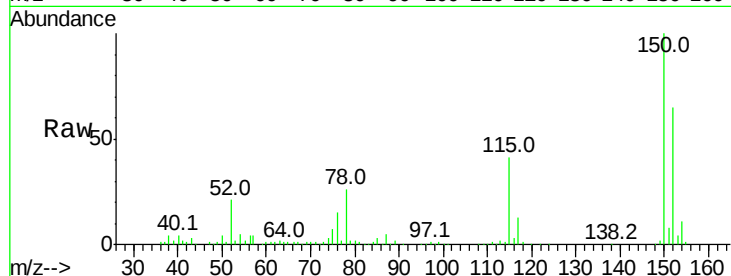


#1

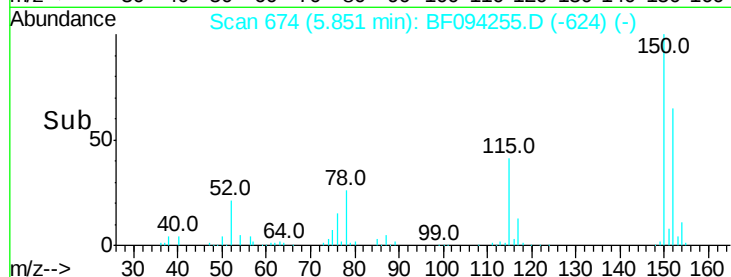
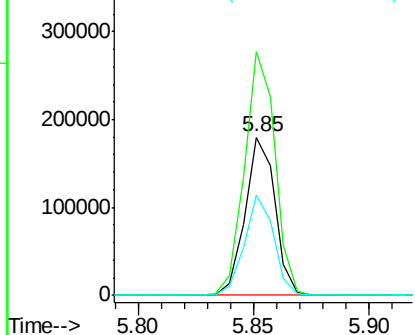
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW

Tot Ion:152 Resp: 163392
Ion Ratio Lower Upper
152 100
150 153.9 126.2 189.2
115 63.5 52.2 78.2



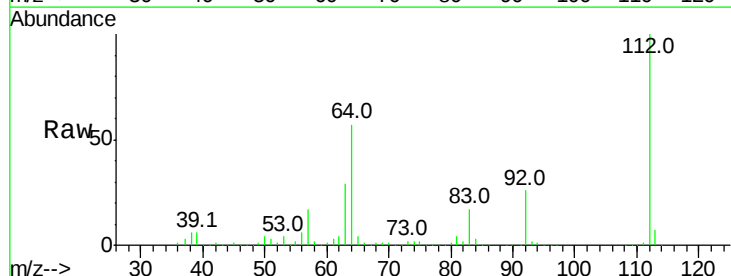
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



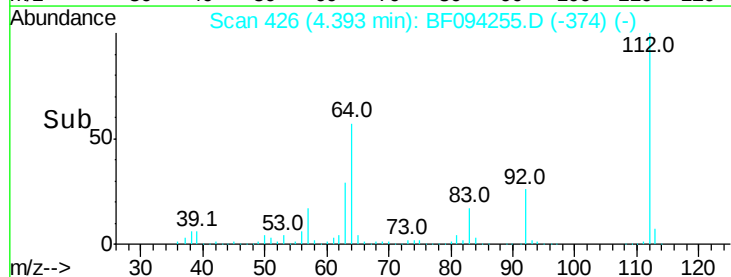
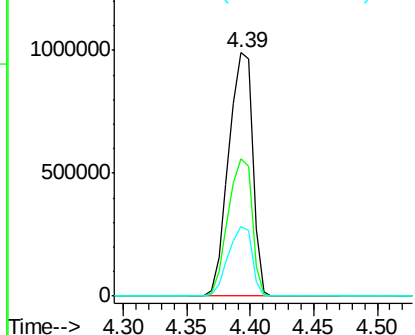
#5

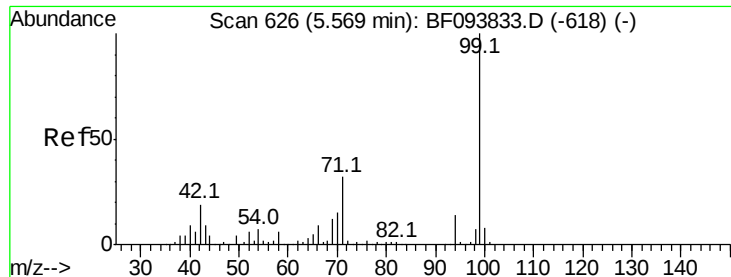
2-Fluorophenol
Concen: 134.16 ng
RT: 4.39 min Scan# 426
Delta R.T. 0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Tgt Ion:112 Resp: 1297812
Ion Ratio Lower Upper
112 100
64 56.6 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: 131.07 ng

RT: 5.47 min Scan# 609

Delta R.T. 0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

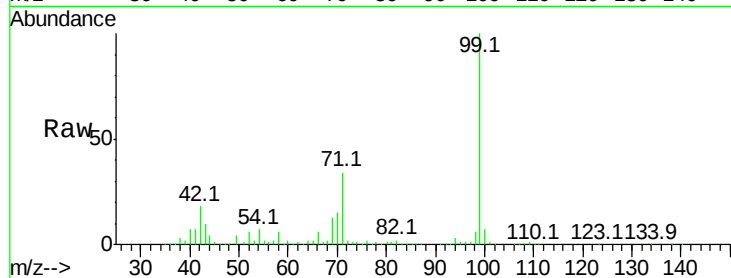
BNA_F

ClientSampleId :

E2-AA10-SSW

Tot Ion: 99 Resp: 1568611

Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.5	20.3
71	33.8	24.5	36.7



Abundance

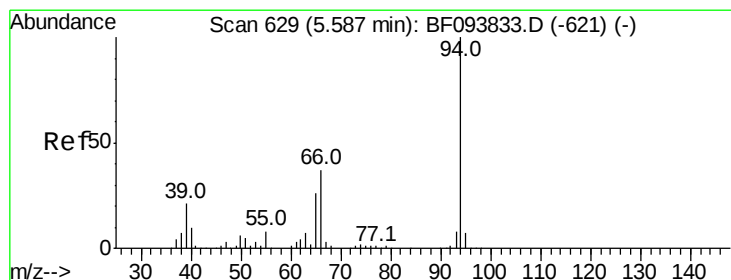
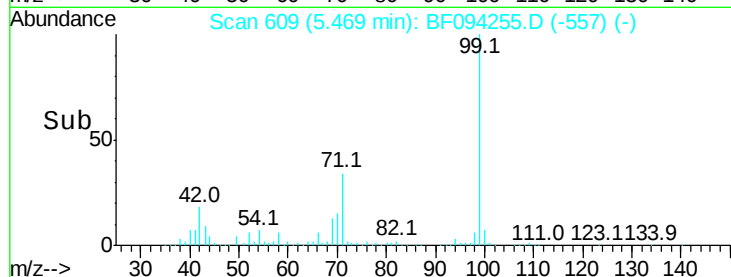
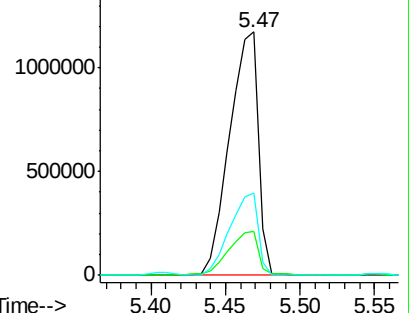
Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

5.47

Time-->



#10

Phenol

Concen: 9.55 ng

RT: 5.47 min Scan# 610

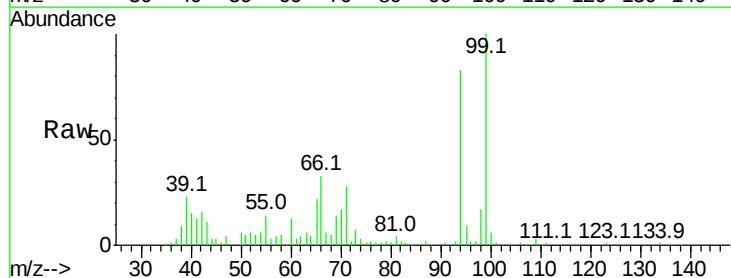
Delta R.T. -0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Tgt Ion: 94 Resp: 130049

Ion	Ratio	Lower	Upper
94	100		
65	27.0	9.9	49.9
66	39.6	23.1	63.1



Abundance

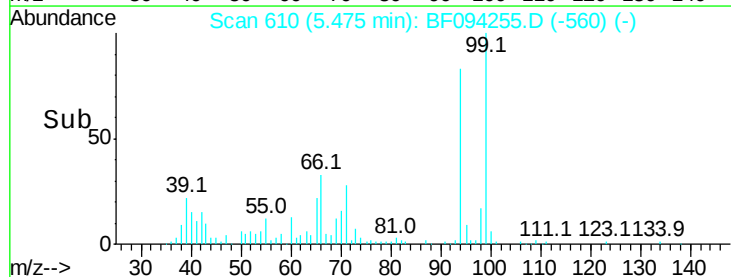
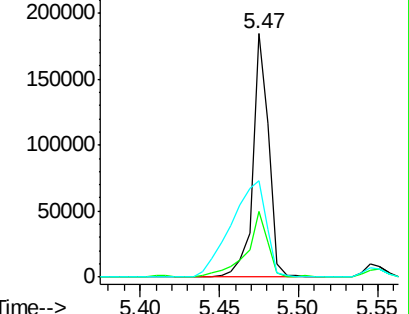
Ion 94.00 (93.70 to 94.70): BF0

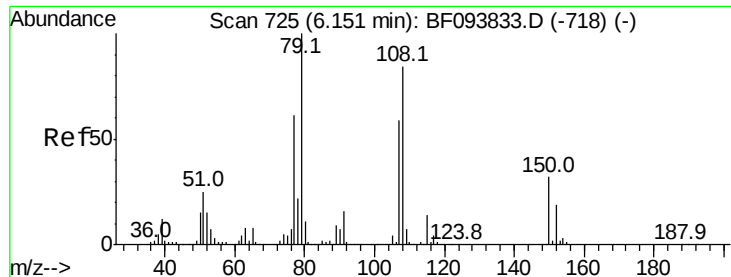
Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

5.47

Time-->





#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 6.03 min Scan# 705

Delta R.T. 0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW

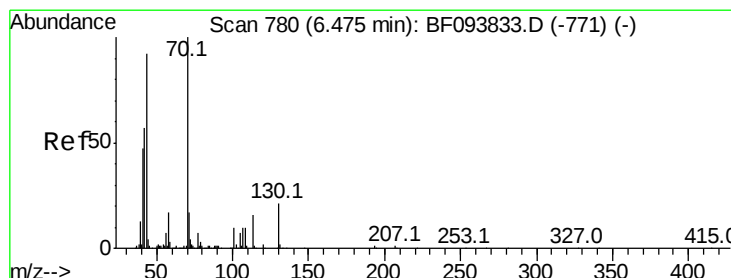
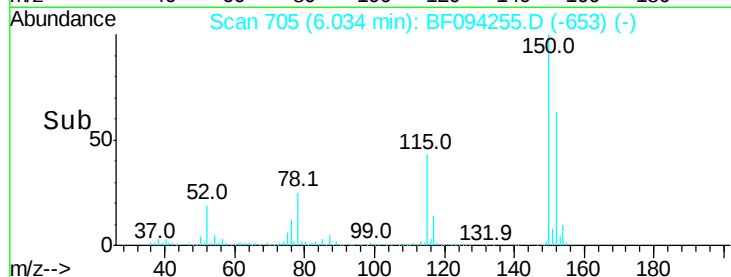
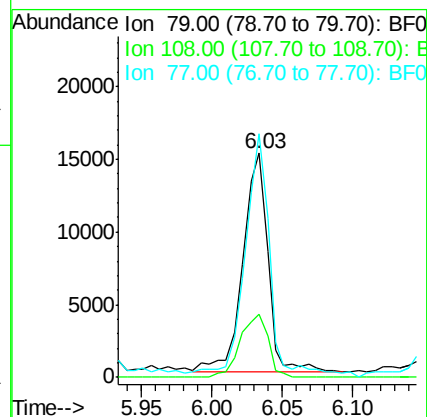
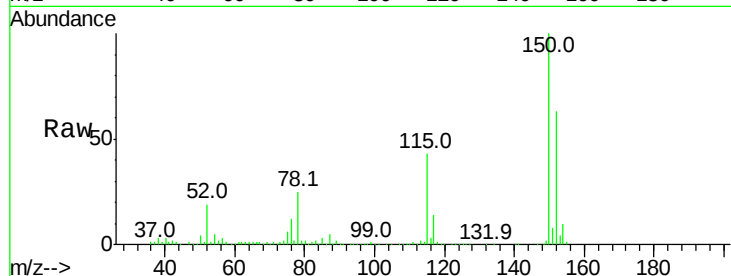
Tot Ion: 79 Resp: 18979

Ion Ratio Lower Upper

79 100

108 28.2 63.4 95.0#

77 108.6 49.2 73.8#



#19

n-Nitroso-di-n-propylamine

Concen: 2.20 ng

RT: 6.31 min Scan# 752

Delta R.T. -0.04 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Tgt Ion: 70 Resp: 16917

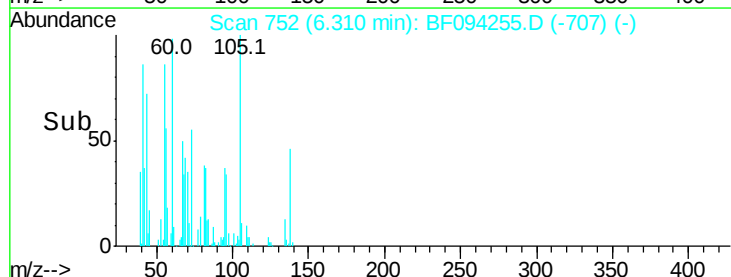
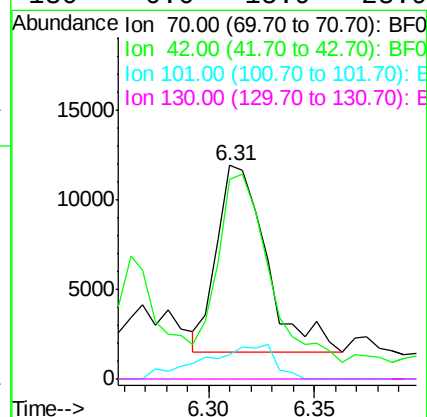
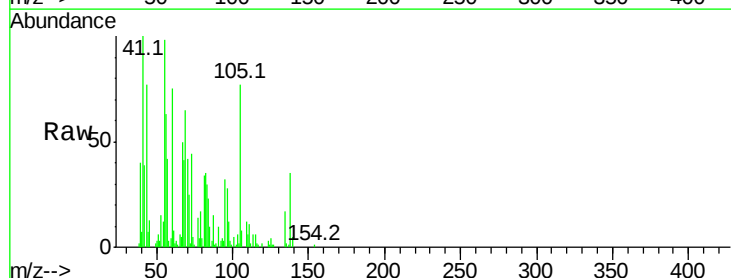
Ion Ratio Lower Upper

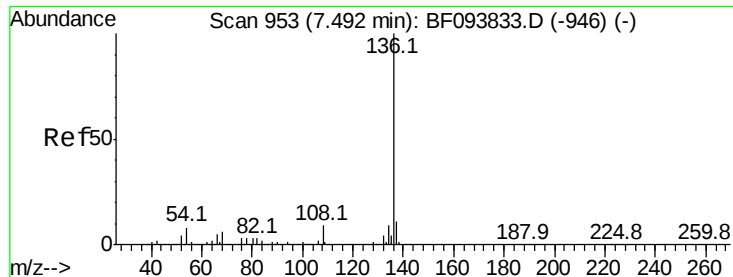
70 100

42 93.4 47.2 70.8#

101 11.1 7.2 10.8#

130 0.0 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: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW

Tot Ion:136 Resp: 638327

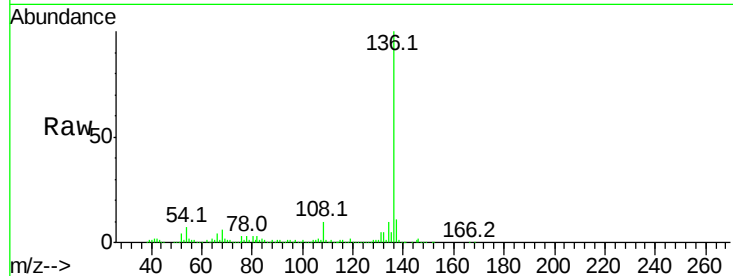
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.5 4.9 7.3#

68 6.1 4.1 6.1

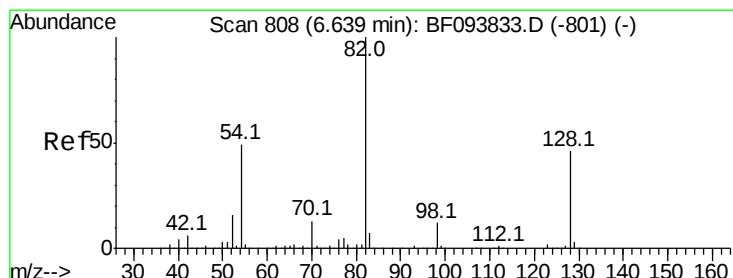
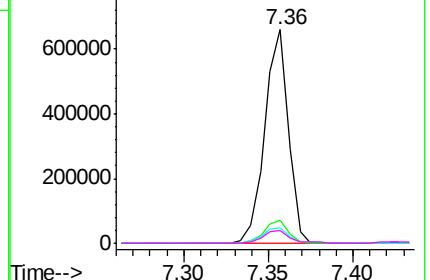
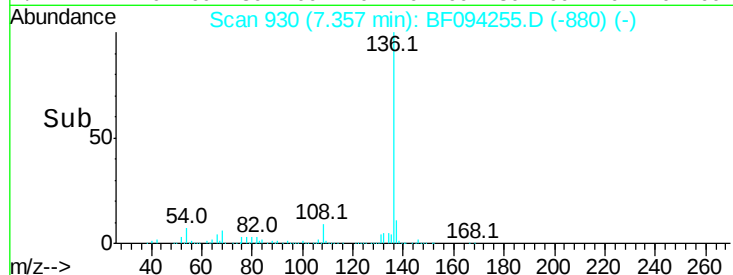


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 90.77 ng

RT: 6.50 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

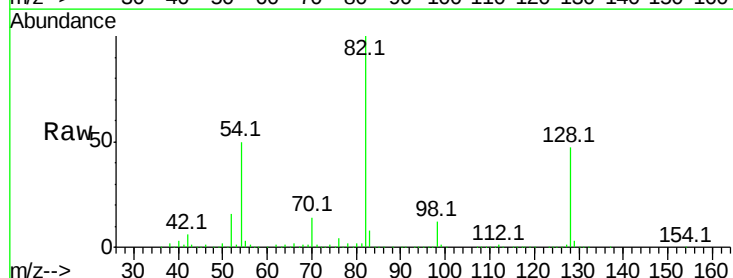
Tgt Ion: 82 Resp: 1015262

Ion Ratio Lower Upper

82 100

128 46.9 34.0 51.0

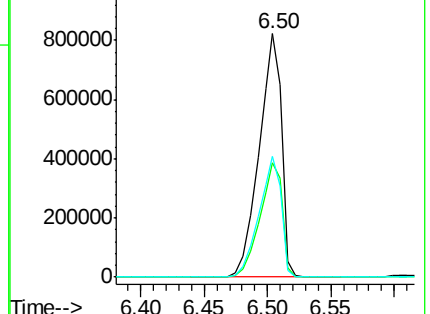
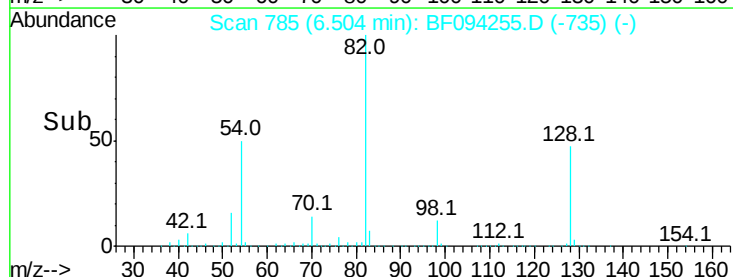
54 49.6 42.2 63.2

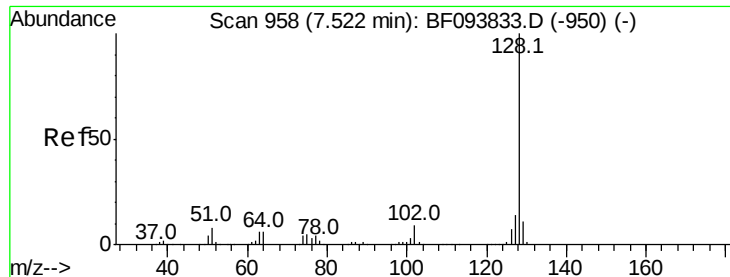


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

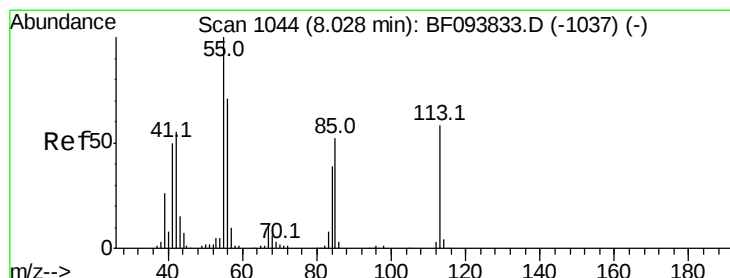
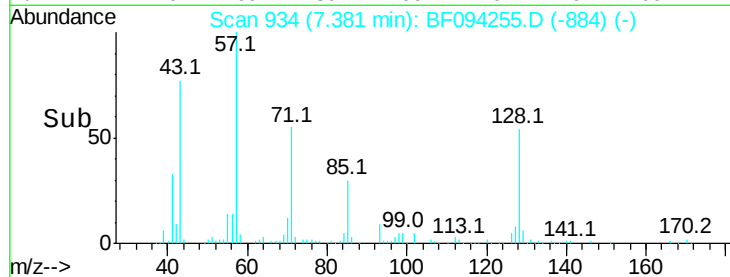
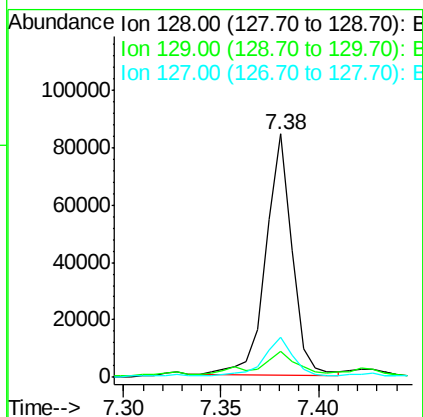
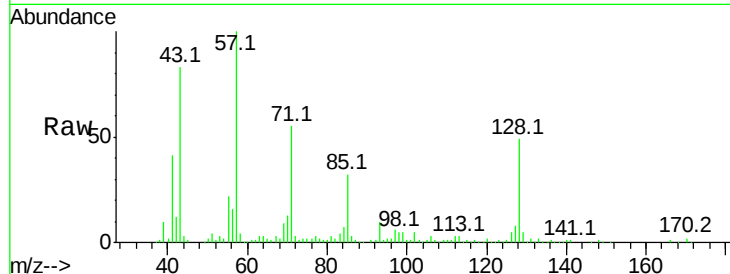




#31
Naphthalene
Concen: 2.56 ng
RT: 7.38 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

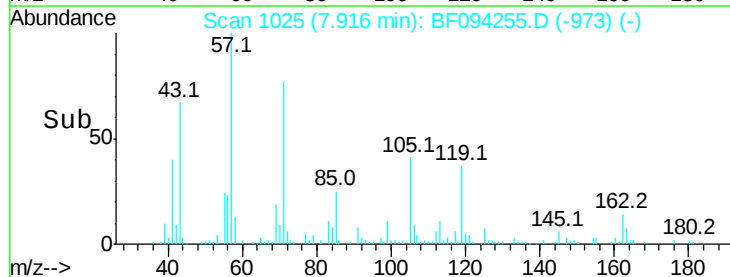
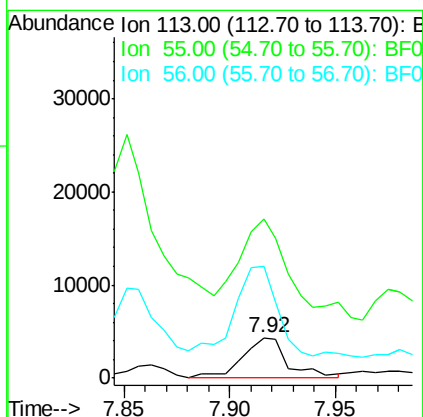
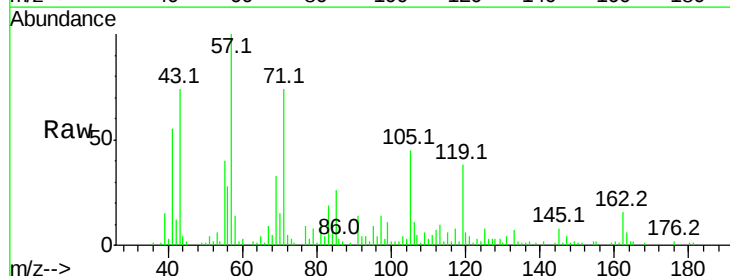
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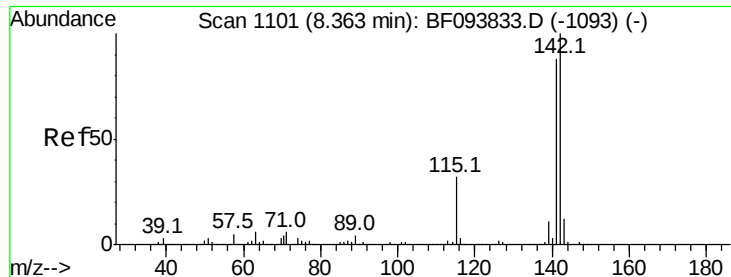
Tot Ion:128 Resp: 78443
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 16.2 10.8 16.2#



#35
Caprolactam
Concen: 2.41 ng
RT: 7.92 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Tgt Ion:113 Resp: 6517
Ion Ratio Lower Upper
113 100
55 395.3 150.2 190.2#
56 277.2 107.8 147.8#

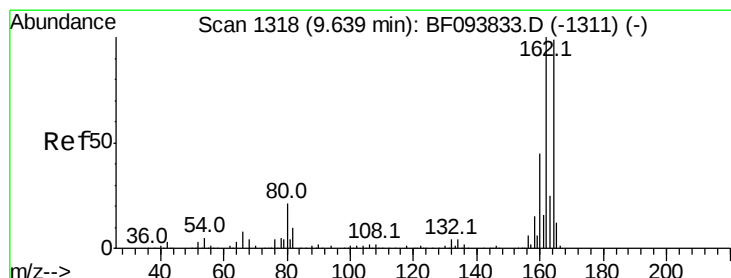
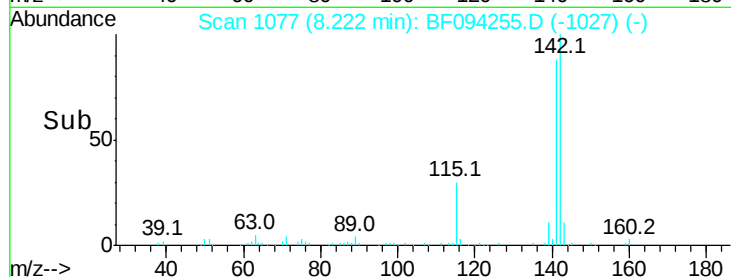
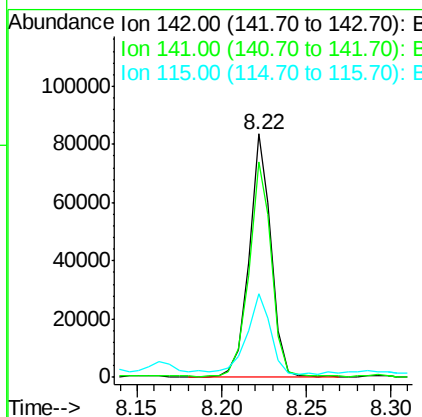
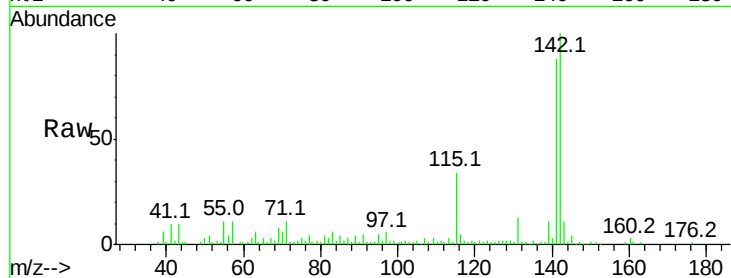




#37
 2-Methylnaphthalene
 Concen: 3.71 ng
 RT: 8.22 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: BF094255.D
 Acq: 7 Apr 2017 6:00

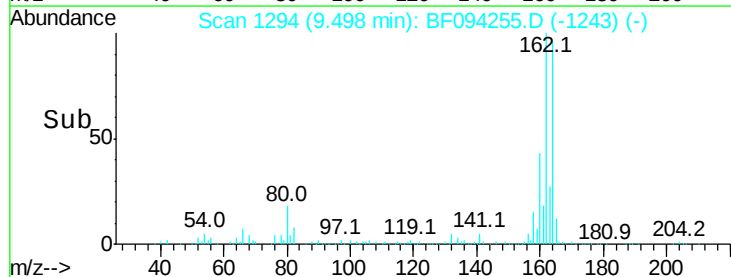
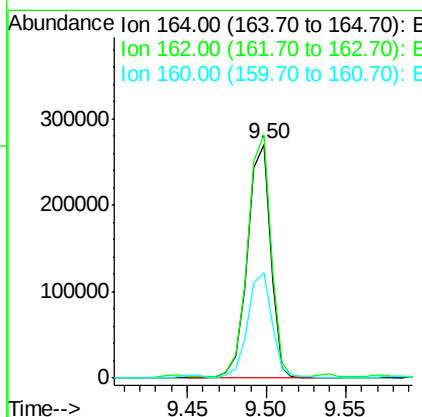
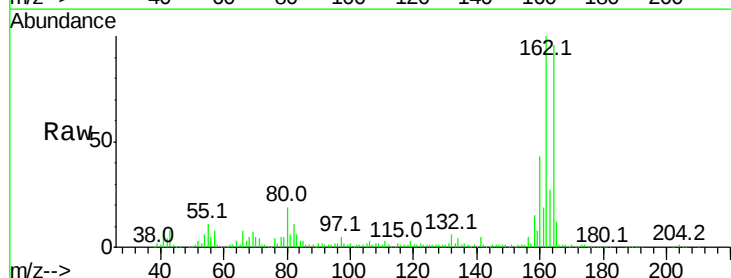
Instrument :
 BNA_F
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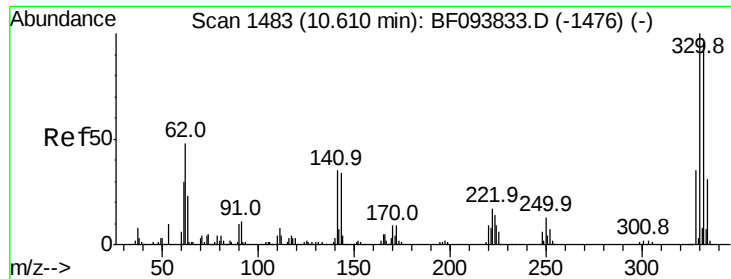
Tot Ion:142 Resp: 75847
 Ion Ratio Lower Upper
 142 100
 141 88.3 71.3 106.9
 115 34.5 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: BF094255.D
 Acq: 7 Apr 2017 6:00

Tgt Ion:164 Resp: 275994
 Ion Ratio Lower Upper
 164 100
 162 104.0 82.6 123.8
 160 45.1 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 133.92 ng

RT: 10.47 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW

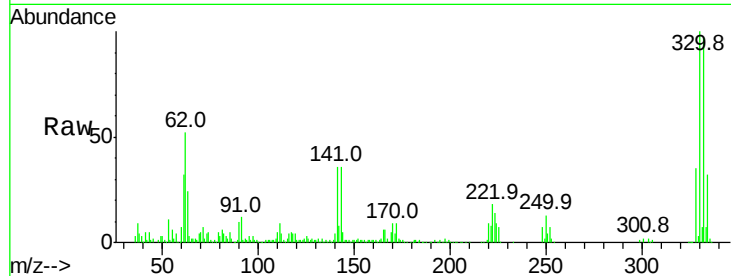
Tot Ion:330 Resp: 292067

Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

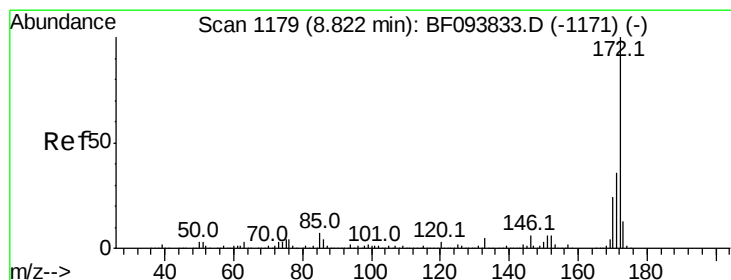
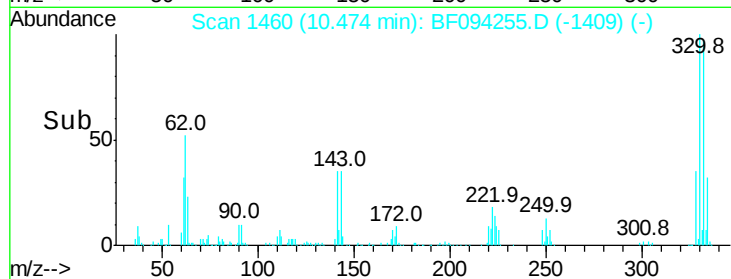
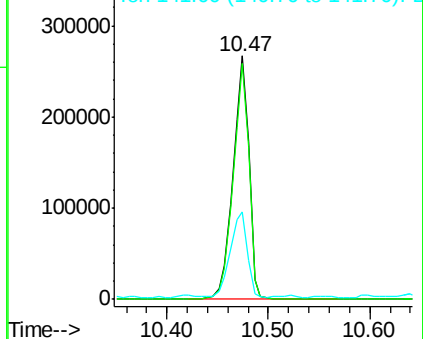
141 37.3 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 86.73 ng

RT: 8.68 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

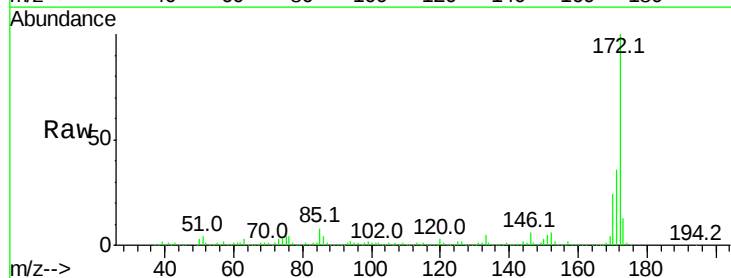
Tgt Ion:172 Resp: 1569375

Ion Ratio Lower Upper

172 100

171 35.9 29.6 44.4

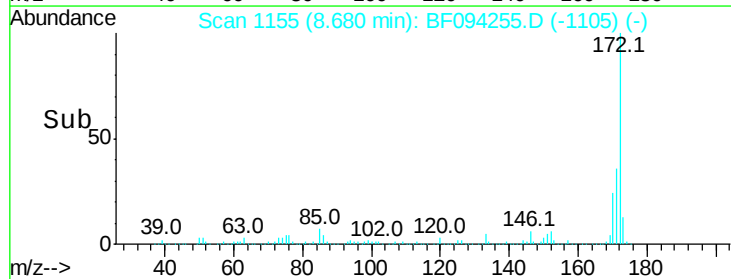
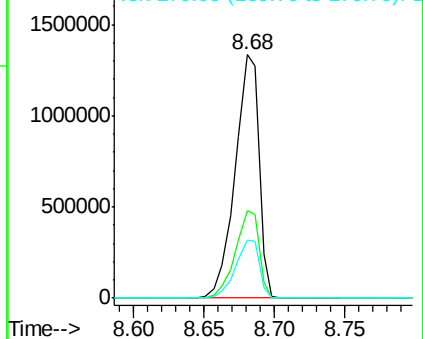
170 23.9 19.8 29.8

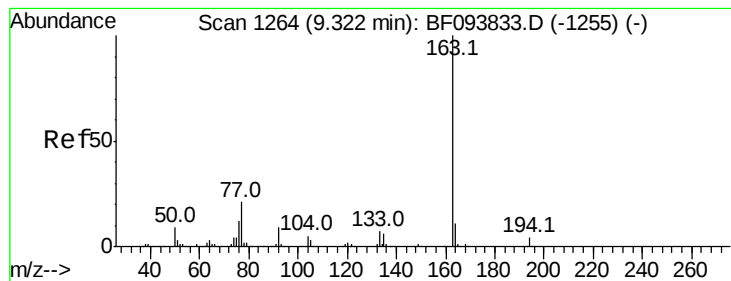


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 15.07 ng

RT: 9.18 min Scan# 1240

Delta R.T. -0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW

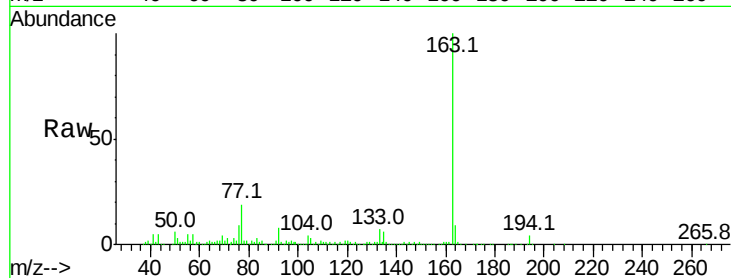
Tot Ion:163 Resp: 295714

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

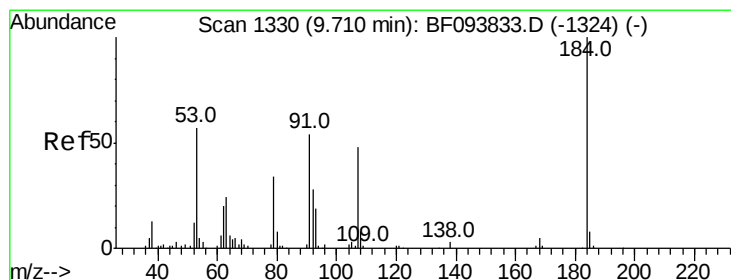
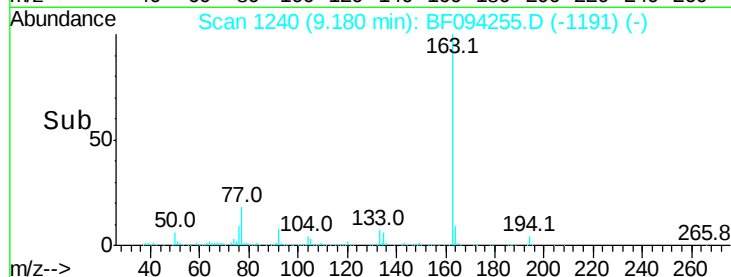
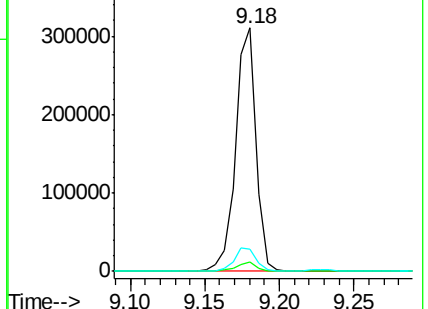
164 9.2 8.4 12.6



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



#53

2,4-Dinitrophenol

Concen: 4.71 ng

RT: 9.69 min Scan# 1326

Delta R.T. 0.09 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

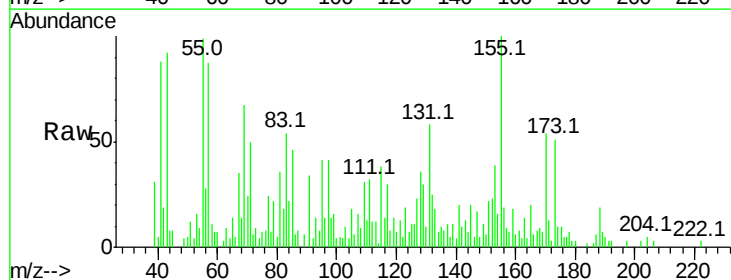
Tgt Ion:184 Resp: 109

Ion Ratio Lower Upper

184 100

63 395.5 62.7 94.1#

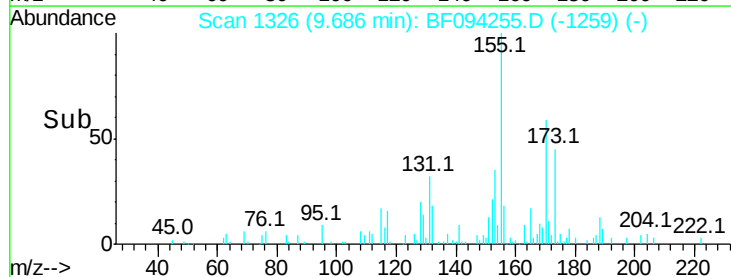
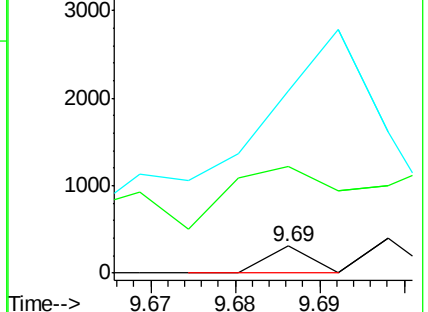
154 676.4 81.1 121.7#

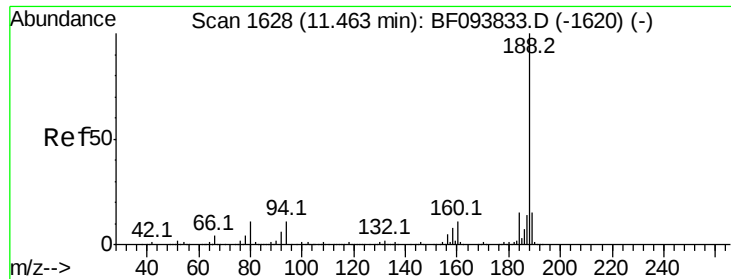


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

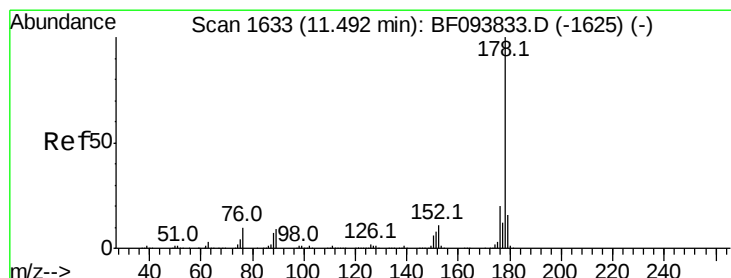
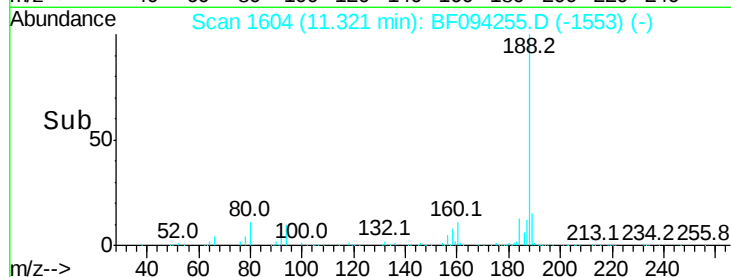
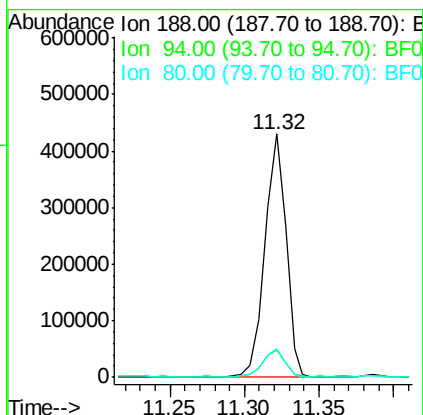
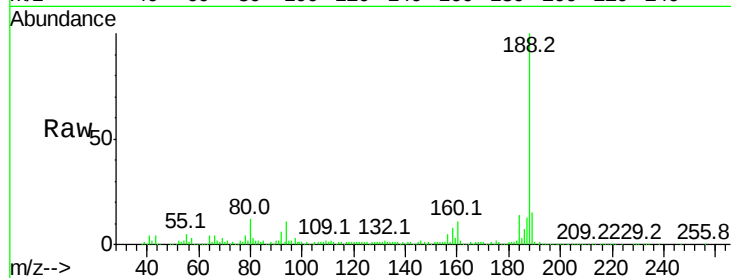




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

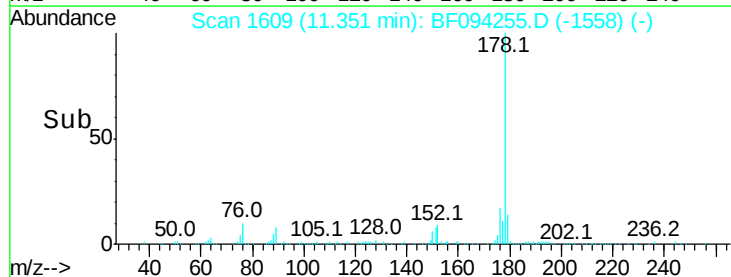
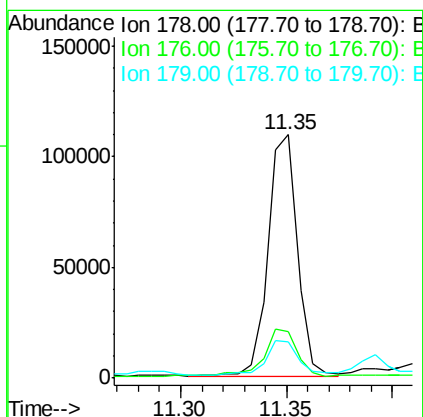
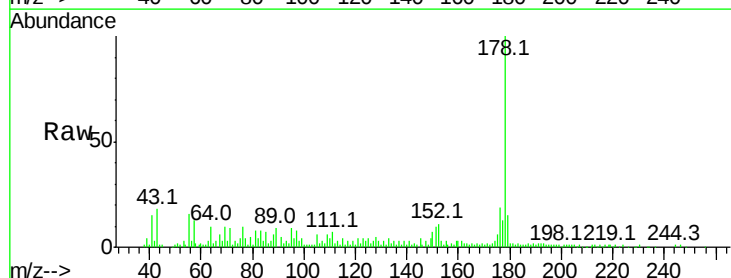
Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW

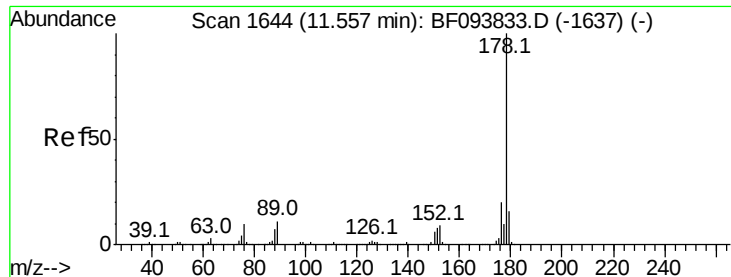
Tot Ion:188 Resp: 417624
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 11.6 10.2 15.2



#70
Phenanthrene
Concen: 4.52 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.00 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Tgt Ion:178 Resp: 105048
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 15.1 12.6 19.0

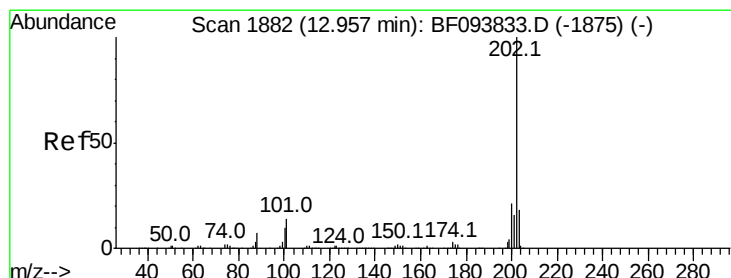
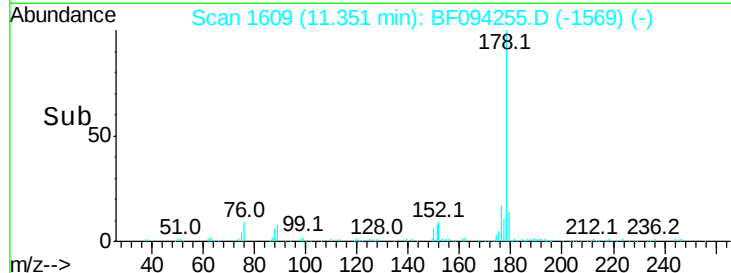
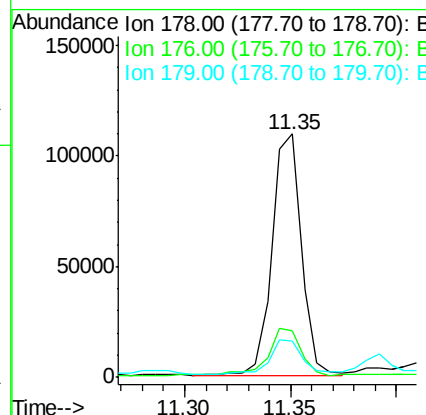
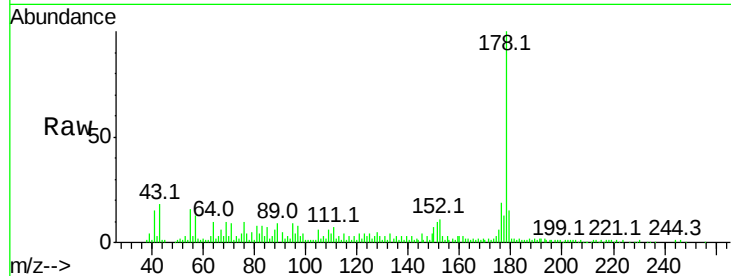




#71
 Anthracene
 Concen: 4.39 ng
 RT: 11.35 min Scan# 1609
 Delta R.T. -0.06 min
 Lab File: BF094255.D
 Acq: 7 Apr 2017 6:00

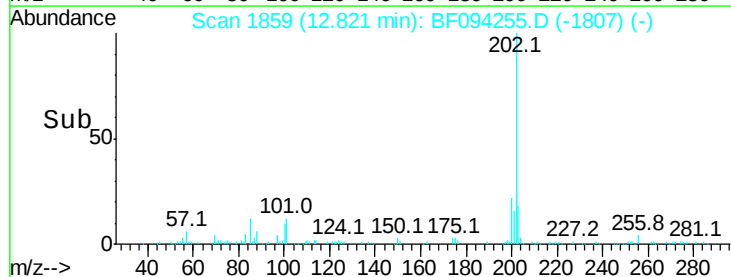
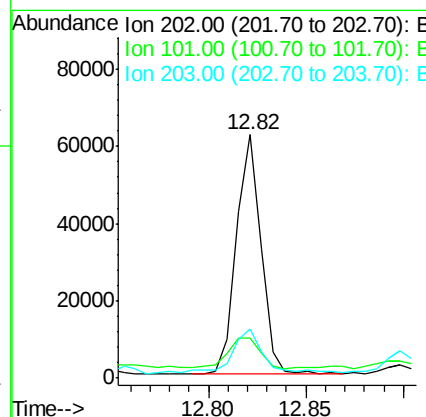
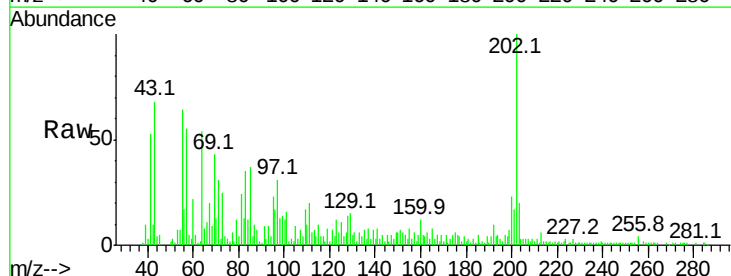
Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-SSW

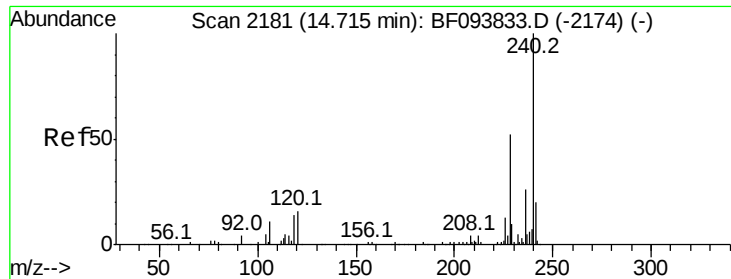
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.1	12.7	19.1



#74
 Fluoranthene
 Concen: 2.28 ng
 RT: 12.82 min Scan# 1859
 Delta R.T. 0.01 min
 Lab File: BF094255.D
 Acq: 7 Apr 2017 6:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.5	0.0	33.2
203	20.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.58 min Scan# 2158

Delta R.T. 0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW

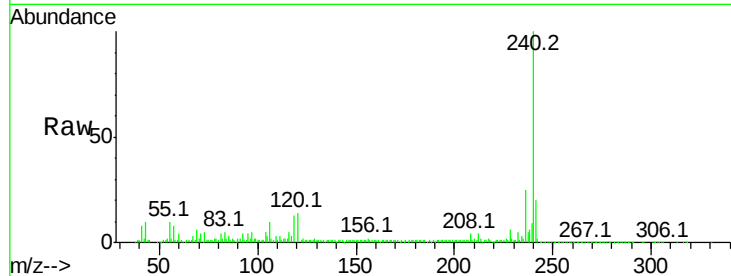
Tot Ion:240 Resp: 303468

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

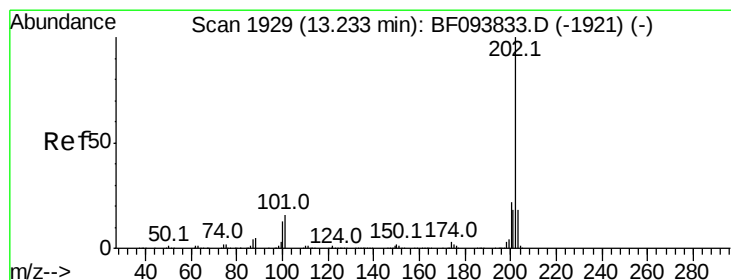
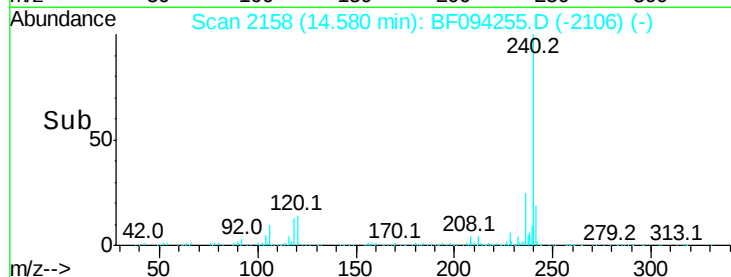
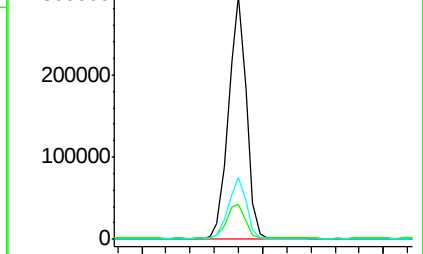
236 25.4 20.5 30.7



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: 2.28 ng

RT: 12.82 min Scan# 1859

Delta R.T. -0.27 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

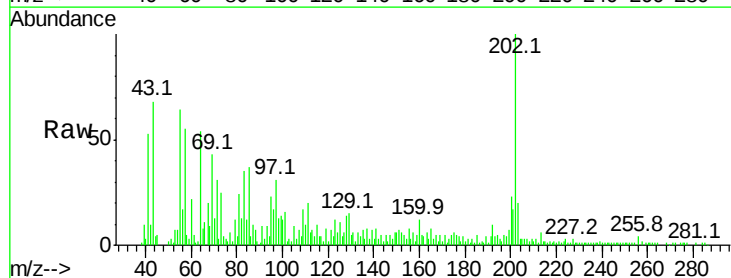
Tgt Ion:202 Resp: 50251

Ion Ratio Lower Upper

202 100

200 23.4 17.6 26.4

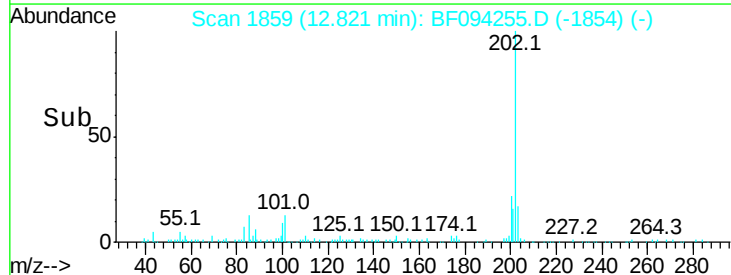
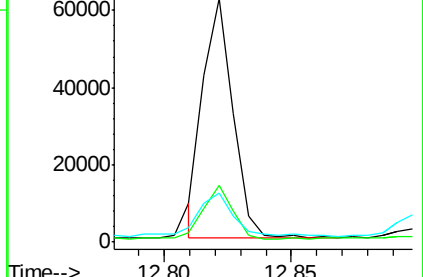
203 20.1 14.4 21.6

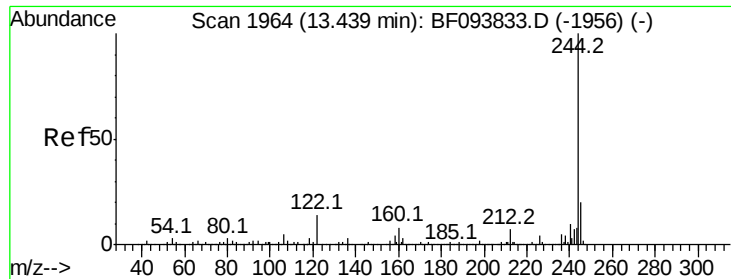


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.70 ng

RT: 13.31 min Scan# 1942

Delta R.T. 0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW

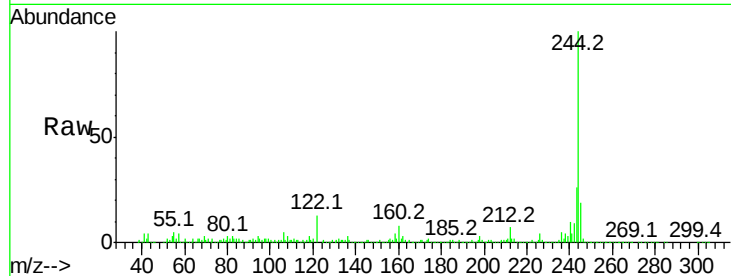
Tot Ion:244 Resp: 875912

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

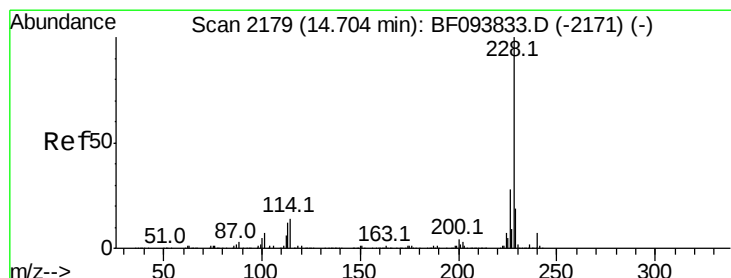
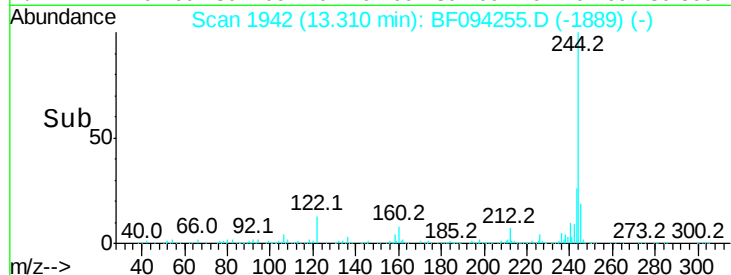
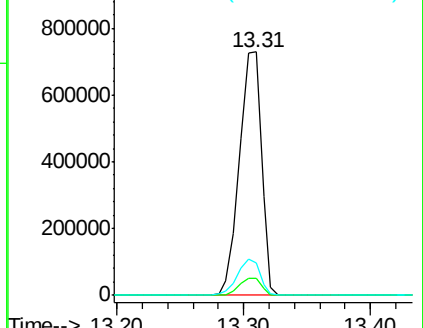
122 13.2 10.3 15.5



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: 5.32 ng

RT: 14.57 min Scan# 2156

Delta R.T. 0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

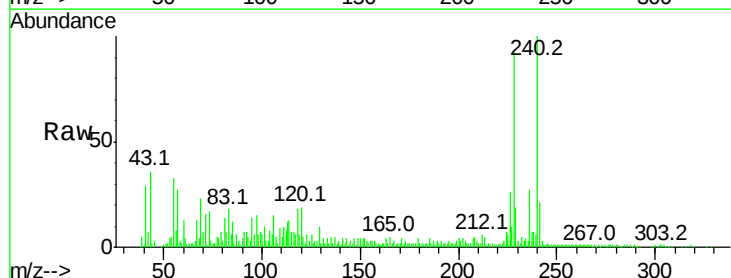
Tgt Ion:228 Resp: 94195

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

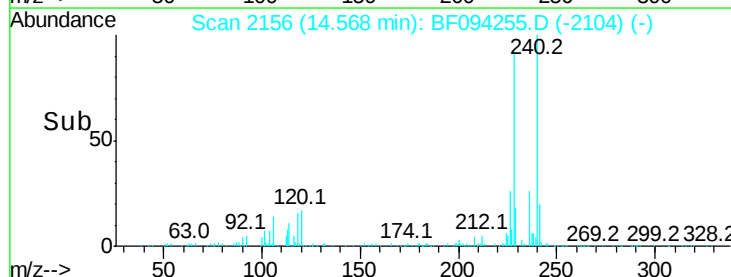
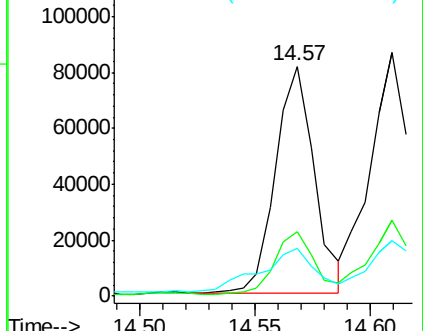
229 20.8 16.3 24.5

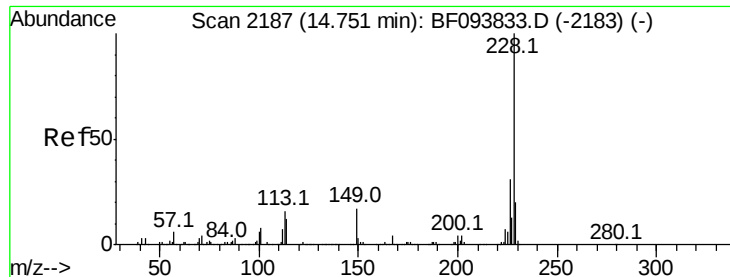


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.19 ng

RT: 14.61 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW

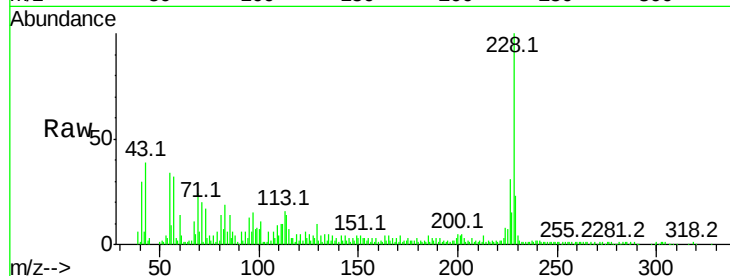
Tot Ion:228 Resp: 101686

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

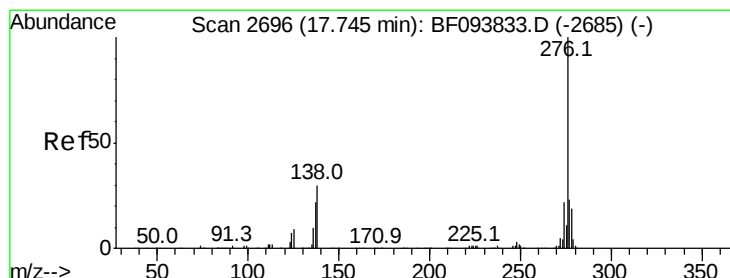
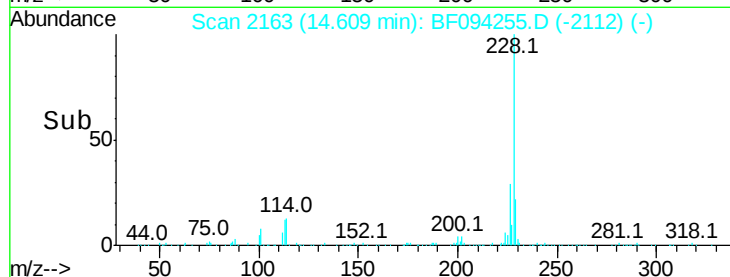
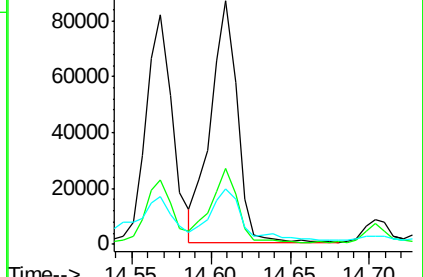
229 23.0 15.8 23.6



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: 6.55 ng

RT: 17.53 min Scan# 2660

Delta R.T. 0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

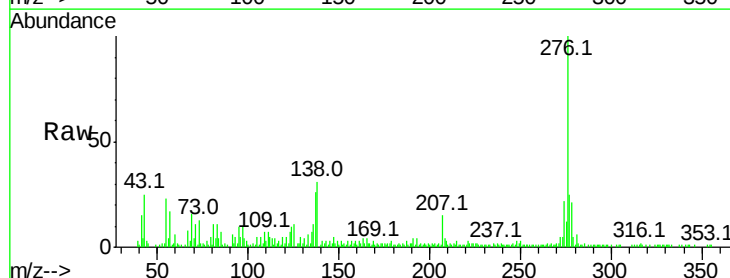
Tgt Ion:276 Resp: 93102

Ion Ratio Lower Upper

276 100

138 31.1 27.8 41.6

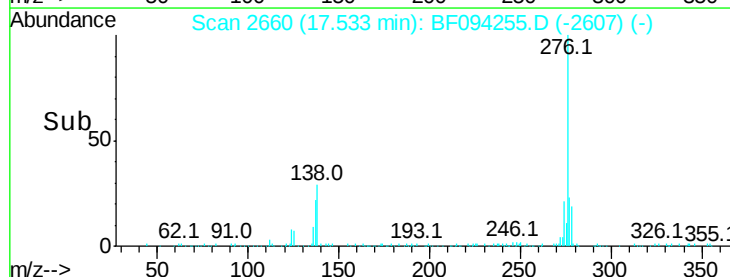
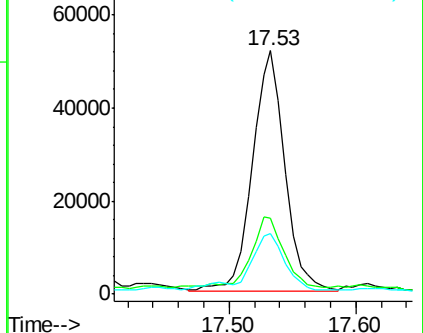
277 24.3 20.2 30.4

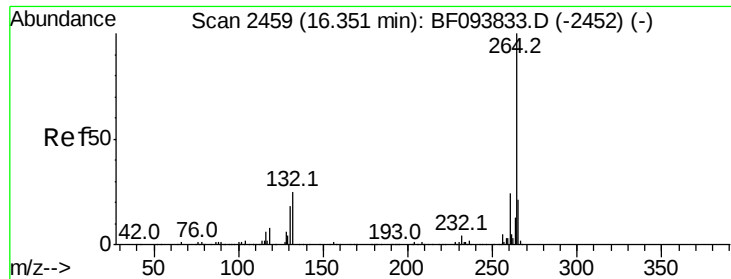


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

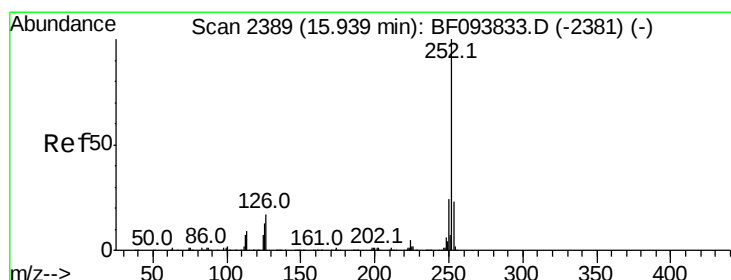
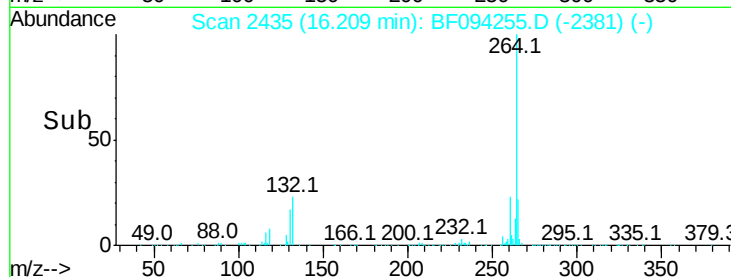
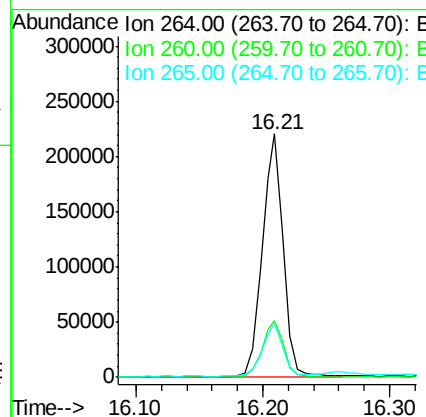
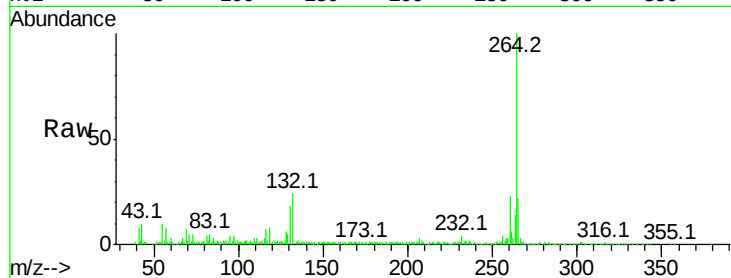




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.21 min Scan# 2435
Delta R.T. 0.02 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

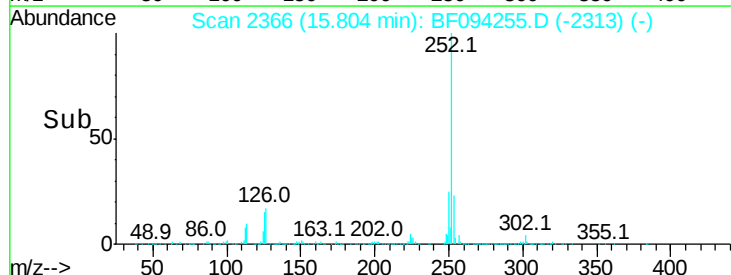
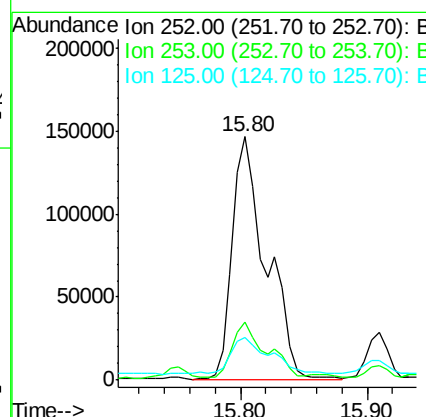
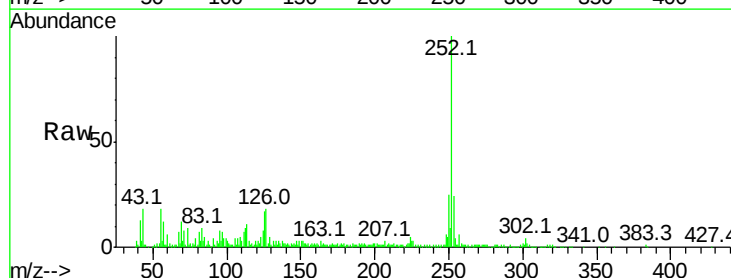
Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW

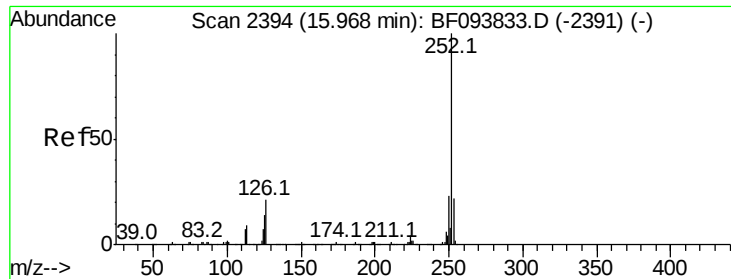
Tot Ion:264 Resp: 252718
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 22.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 17.41 ng
RT: 15.80 min Scan# 2366
Delta R.T. 0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Tgt Ion:252 Resp: 269762
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 17.3 9.8 14.8#

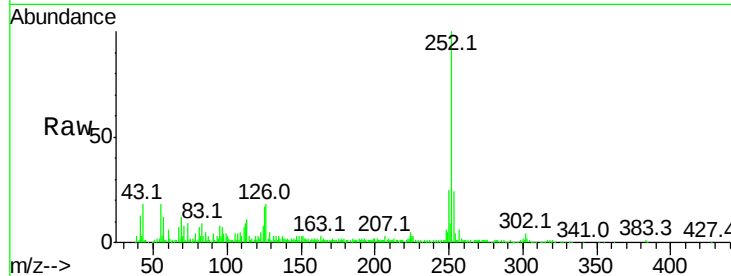




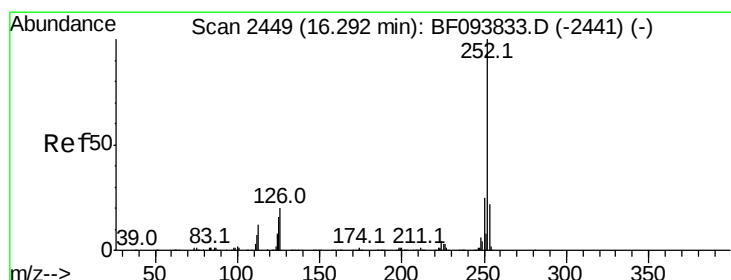
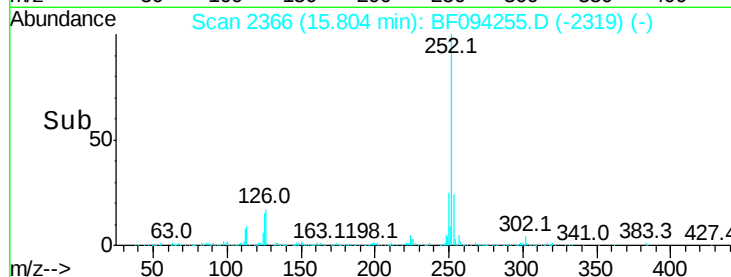
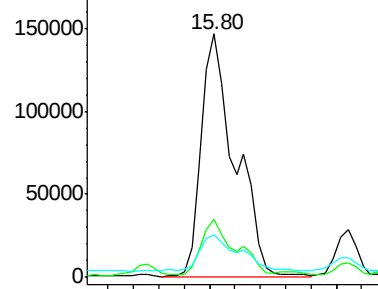
#88
Benzo(k)fluoranthene
Concen: 17.80 ng
RT: 15.80 min Scan# 2366
Delta R.T. -0.02 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	17.3	13.1	19.7

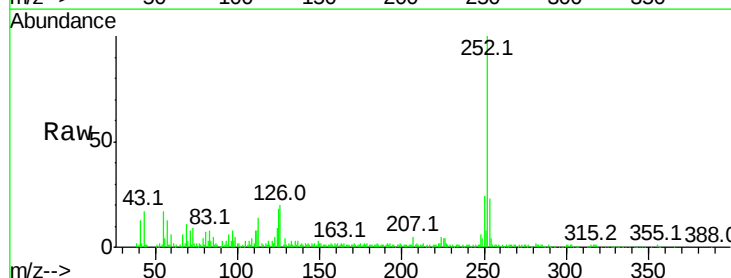


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

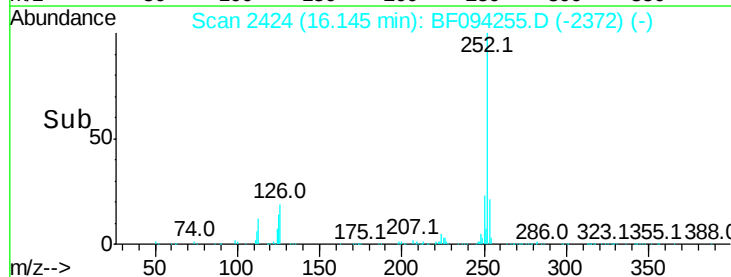
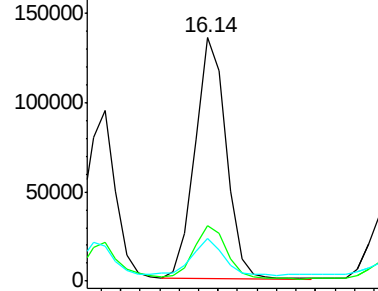


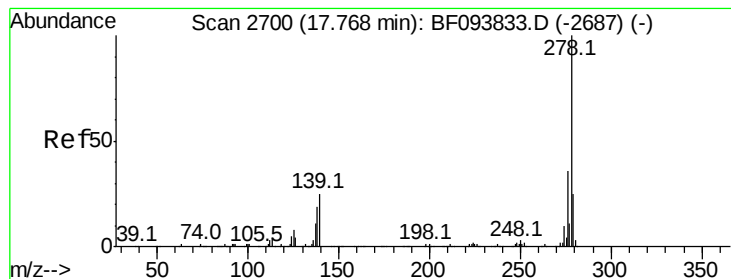
#89
Benzo(a)pyrene
Concen: 10.52 ng
RT: 16.14 min Scan# 2424
Delta R.T. 0.01 min
Lab File: BF094255.D
Acq: 7 Apr 2017 6:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	17.6	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: 2.01 ng

RT: 17.54 min Scan# 2662

Delta R.T. 0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW

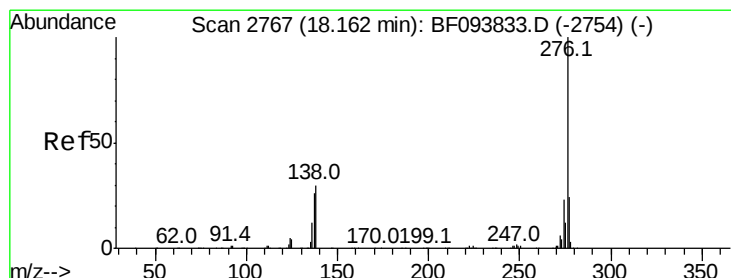
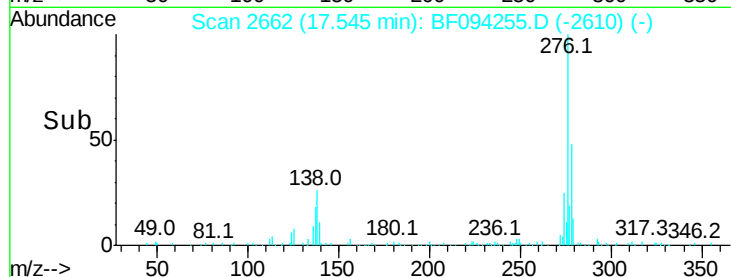
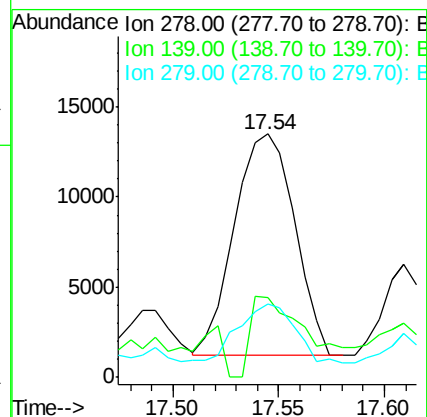
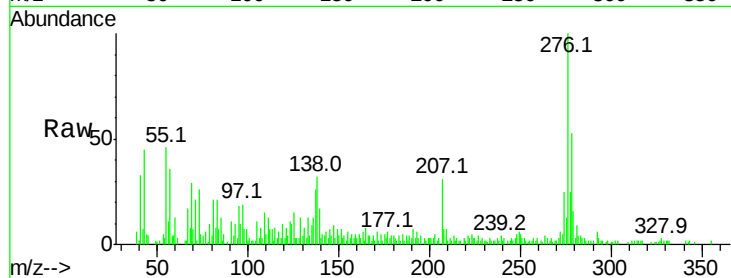
Tot Ion:278 Resp: 24245

Ion Ratio Lower Upper

278 100

139 33.0 16.6 24.8#

279 30.3 19.3 28.9#



#91

Benzo(g,h,i)perylene

Concen: 7.00 ng

RT: 17.92 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BF094255.D

Acq: 7 Apr 2017 6:00

Tgt Ion:276 Resp: 85241

Ion Ratio Lower Upper

276 100

277 25.2 18.6 28.0

138 31.2 25.4 38.0

