

Data Path : Z:\HPCHEM1\BNA F\Data\BF032917\
 Data File : BF094056.D
 Acq On : 30 Mar 2017 10:24
 Operator : SJ/MA
 Sample : I2443-10RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 11:49:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	154615	20.00	ng	-0.02
21) Naphthalene-d8	7.43	136	564856	20.00	ng	-0.02
38) Acenaphthene-d10	9.57	164	232842	20.00	ng	-0.02
63) Phenanthrene-d10	11.40	188	339218	20.00	ng	-0.02
75) Chrysene-d12	14.70	240	235483	20.00	ng	0.02
86) Perylene-d12	16.33	264	180256	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	4.48	112	1275154	139.30	ng	0.00
7) Phenol-d6	5.56	99	1538716	135.87	ng	0.00
23) Nitrobenzene-d5	6.58	82	666802	67.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	250316	136.04	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	1553894	101.79	ng	-0.02
78) Terphenyl-d14	13.41	244	709200	67.51	ng	0.00

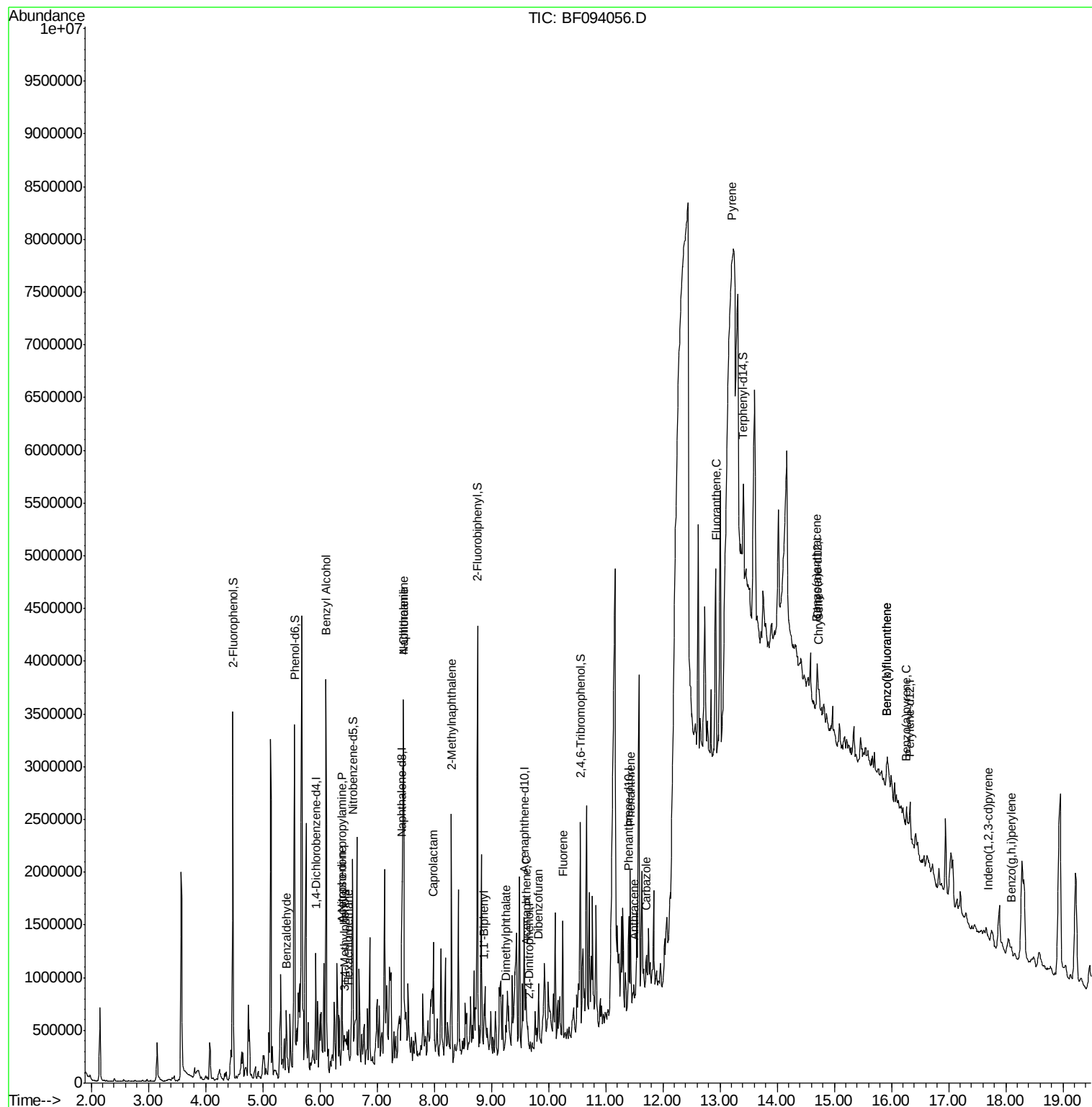
Target Compounds				Qvalue		
9) Benzaldehyde	5.42	77	39776	5.20	ng	98
15) Benzyl Alcohol	6.11	79	20787	2.51	ng	# 49
18) Hexachloroethane	6.50	117	10316	2.57	ng	# 1
19) n-Nitroso-di-n-propylamine	6.39	70	25389	3.49	ng	# 50
20) 3+4-Methylphenols	6.43	107	30361	2.91	ng	# 57
22) Acetophenone	6.39	105	93378	7.42	ng	# 46
31) Naphthalene	7.46	128	1567801	57.72	ng	99
33) 4-Chloroaniline	7.46	127	220030	19.99	ng	# 33
35) Caprolactam	7.99	113	18924	7.91	ng	# 2
37) 2-Methylnaphthalene	8.30	142	684433	37.80	ng	98
45) 1,1'-Biphenyl	8.87	154	115613	6.16	ng	96
49) Dimethylphthalate	9.25	163	101588	6.14	ng	100
51) Acenaphthene	9.62	154	118826	8.33	ng	98
53) 2,4-Dinitrophenol	9.66	184	120	4.72	ng	# 1
54) Dibenzofuran	9.83	168	197525	10.18	ng	99
57) Fluorene	10.25	166	144818	9.00	ng	98
70) Phenanthrene	11.43	178	544814	28.87	ng	99
71) Anthracene	11.50	178	71719	3.69	ng	97
72) Carbazole	11.71	167	59321	2.98	ng	# 92
74) Fluoranthene	12.93	202	266317	13.78	ng	95
77) Pyrene	13.20	202	132681	7.76	ng	# 93
80) Benzo(a)anthracene	14.69	228	99304	7.23	ng	# 89
82) Chrysene	14.73	228	117953	9.26	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.70	276	29610	2.68	ng	# 93
87) Benzo(b)fluoranthene	15.92	252	103453	9.36	ng	# 59
88) Benzo(k)fluoranthene	15.92	252	103453	9.57	ng	# 60
89) Benzo(a)pyrene	16.26	252	54417	5.35	ng	# 47
91) Benzo(g,h,i)perylene	18.10	276	31135	3.59	ng	# 71

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

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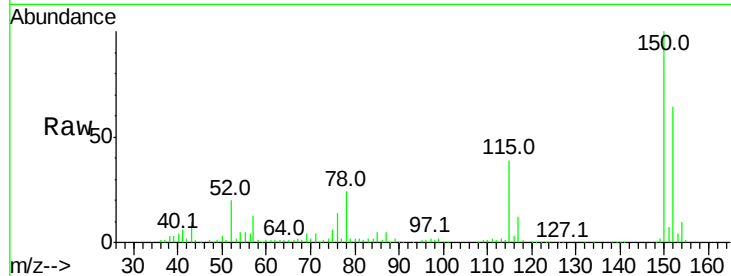


#1

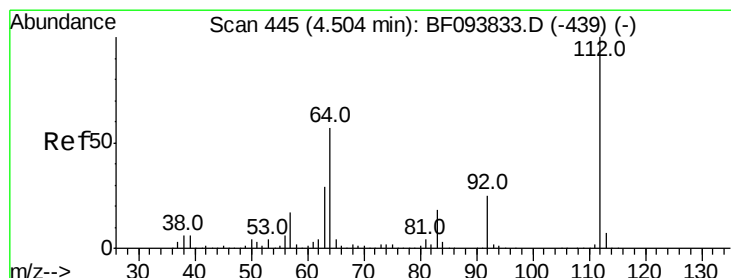
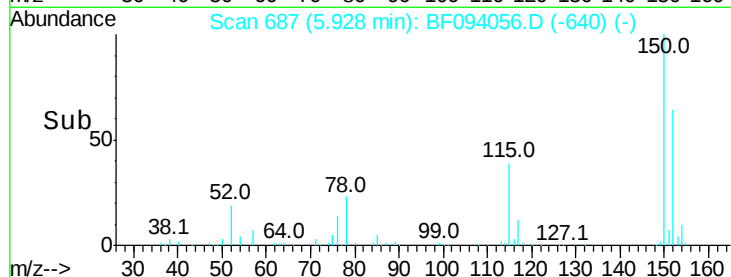
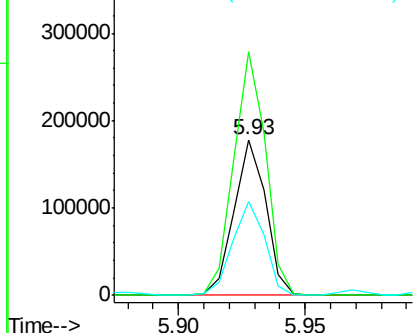
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.93 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF094056.D
Acq: 30 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154615
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 60.3 52.2 78.2



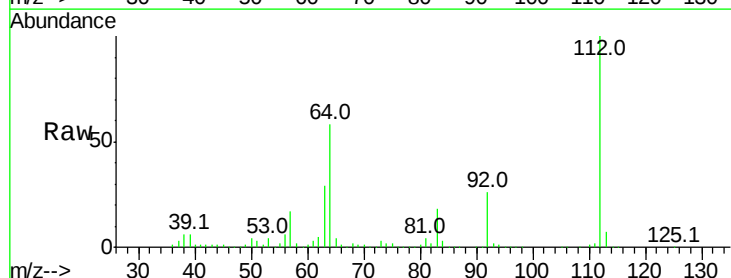
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



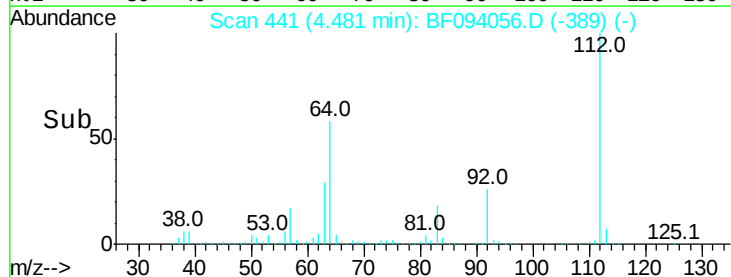
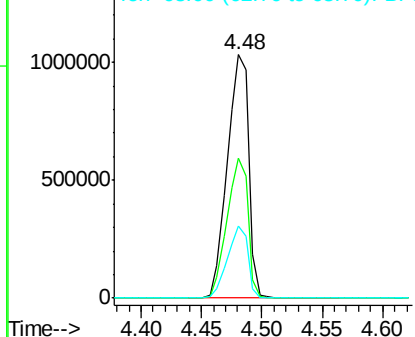
#5

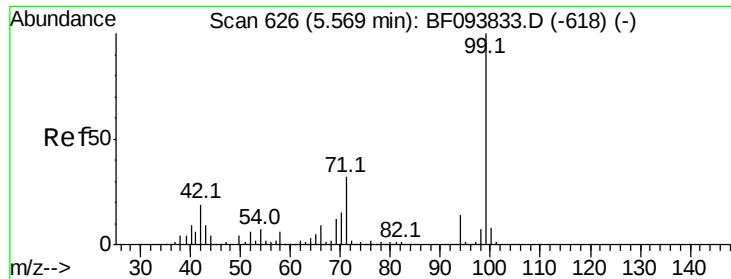
2-Fluorophenol
Concen: 139.30 ng
RT: 4.48 min Scan# 441
Delta R.T. 0.01 min
Lab File: BF094056.D
Acq: 30 Mar 2017 10:24

Tgt Ion:112 Resp: 1275154
Ion Ratio Lower Upper
112 100
64 57.5 46.0 69.0
63 29.5 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: 135.87 ng

RT: 5.56 min Scan# 624

Delta R.T. 0.01 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

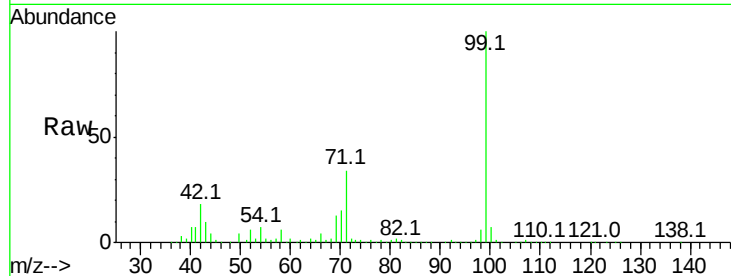
Tot Ion: 99 Resp: 1538716

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

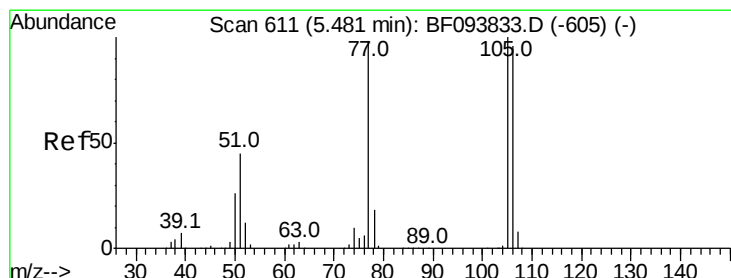
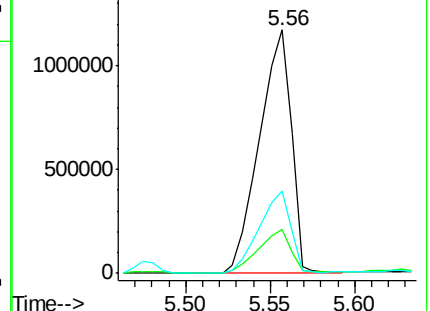
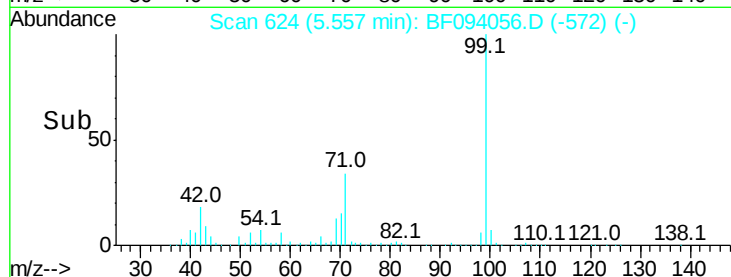
71 33.8 24.5 36.7



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



#9

Benzaldehyde

Concen: 5.20 ng

RT: 5.42 min Scan# 601

Delta R.T. -0.02 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

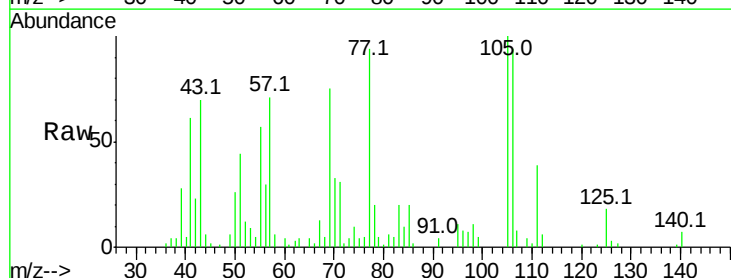
Tgt Ion: 77 Resp: 39776

Ion Ratio Lower Upper

77 100

105 106.4 83.8 123.8

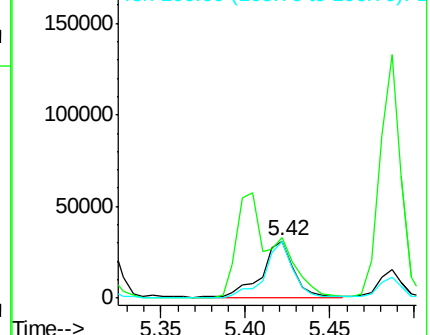
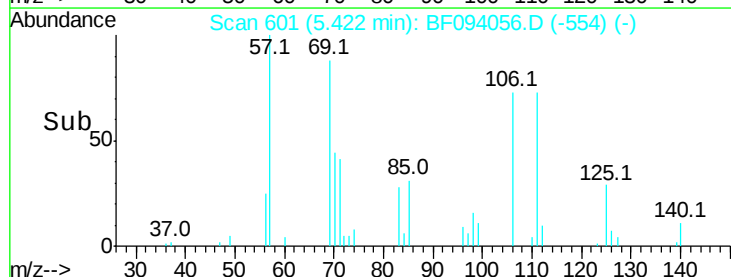
106 99.7 79.1 119.1

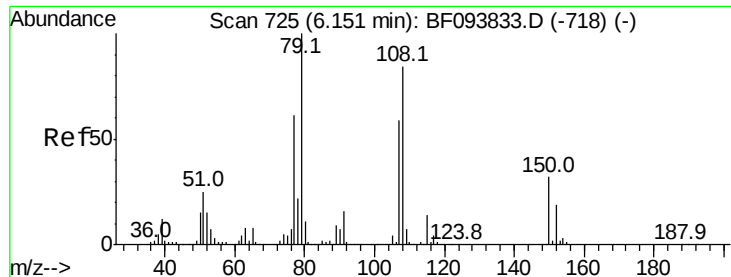


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.51 ng

RT: 6.11 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

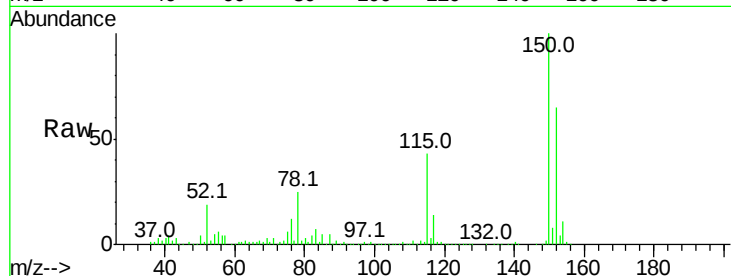
Tot Ion: 79 Resp: 20787

Ion Ratio Lower Upper

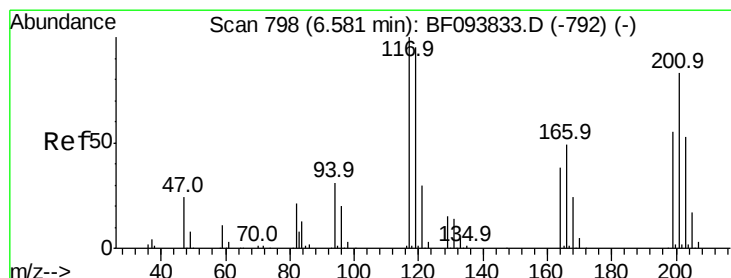
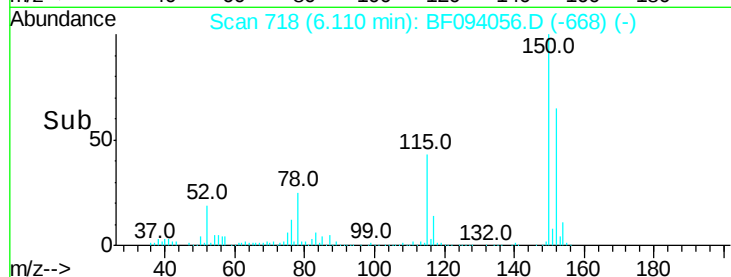
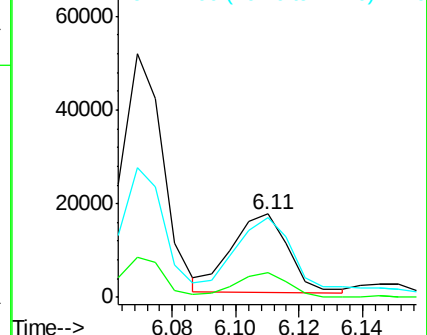
79 100

108 30.0 63.4 95.0#

77 95.9 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): B
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 2.57 ng

RT: 6.50 min Scan# 784

Delta R.T. -0.05 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

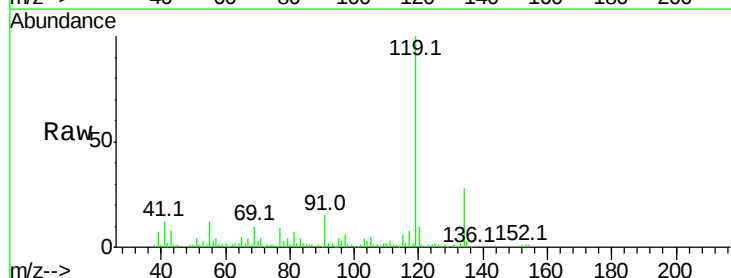
Tgt Ion: 117 Resp: 10316

Ion Ratio Lower Upper

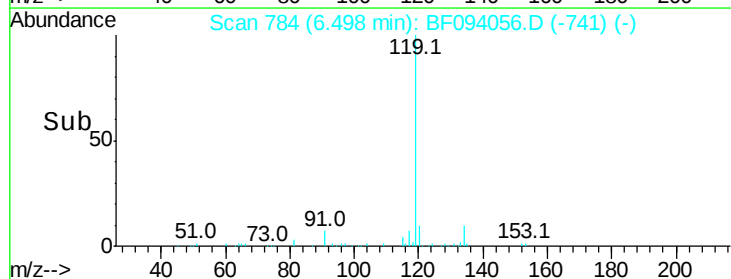
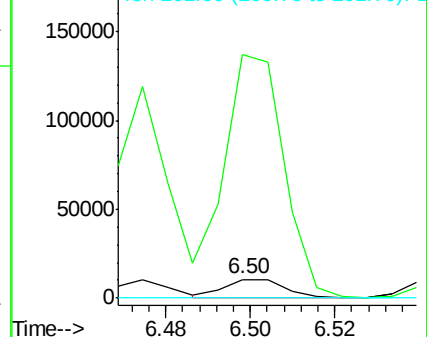
117 100

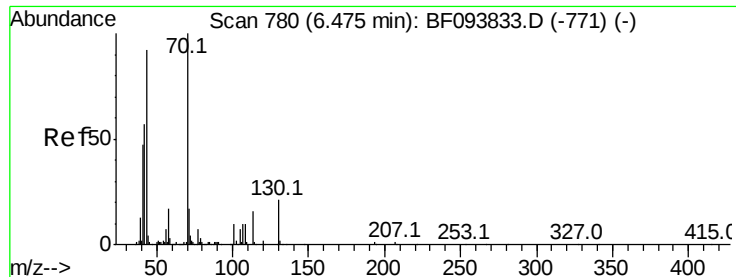
119 1292.3 77.4 116.0#

201 0.0 94.6 141.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

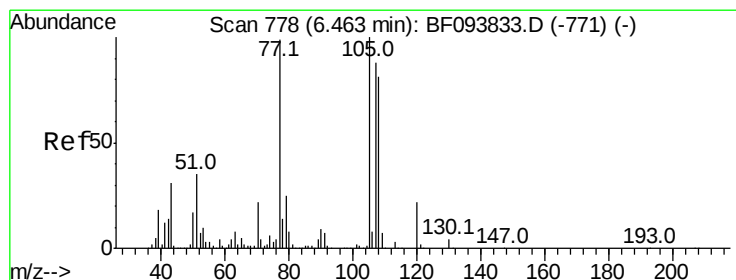
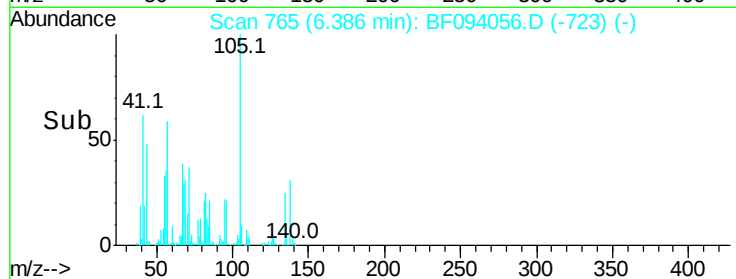
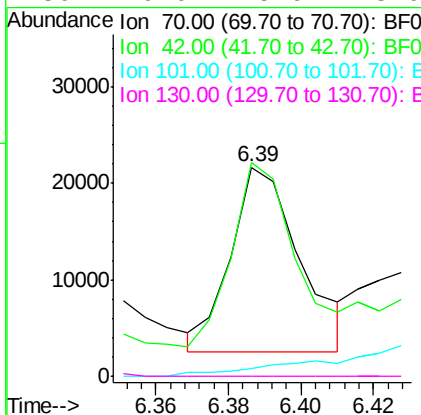
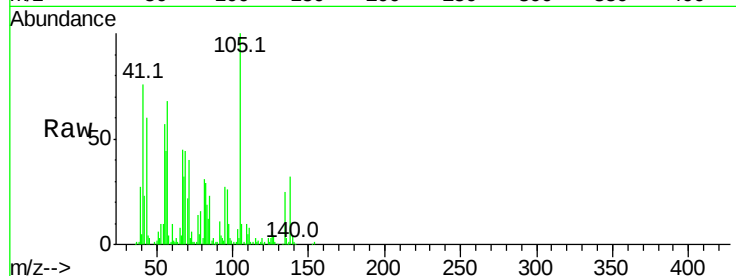




#19
n-Nitroso-di-n-propylamine
Concen: 3.49 ng
RT: 6.39 min Scan# 765
Delta R.T. -0.05 min
Lab File: BF094056.D
Acq: 30 Mar 2017 10:24

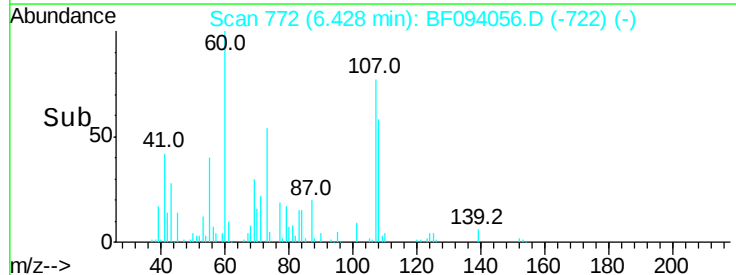
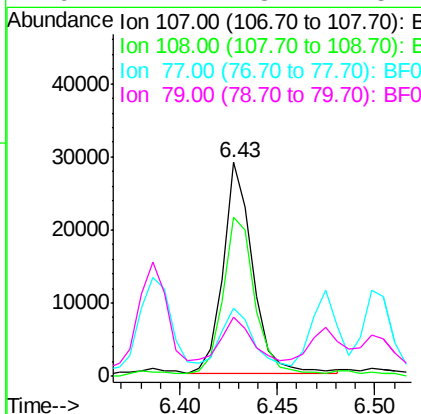
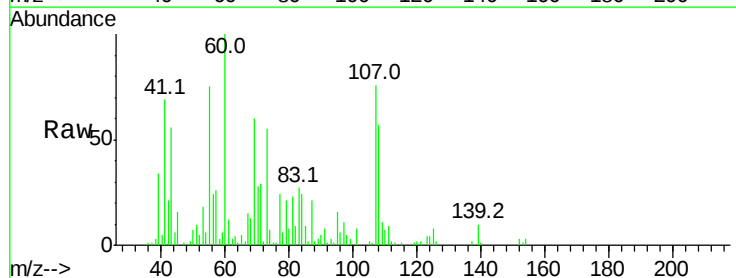
Instrument :
BNA_F
ClientSampleId :

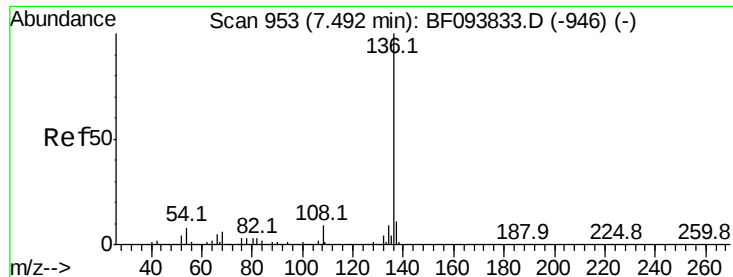
Tot Ion:	70	Resp:	25389
Ion	Ratio	Lower	Upper
70	100		
42	102.1	47.2	70.8#
101	3.7	7.2	10.8#
130	0.0	15.9	23.9#



#20
3+4-Methylphenols
Concen: 2.91 ng
RT: 6.43 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF094056.D
Acq: 30 Mar 2017 10:24

Tgt Ion:	107	Resp:	30361
Ion	Ratio	Lower	Upper
107	100		
108	74.6	71.0	111.0
77	32.0	90.5	130.5#
79	27.7	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.43 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 564856

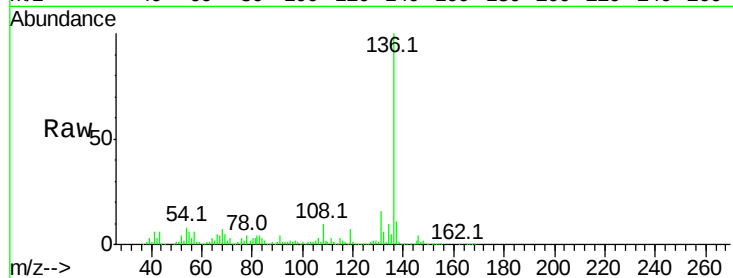
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 8.1 4.9 7.3#

68 6.7 4.1 6.1#

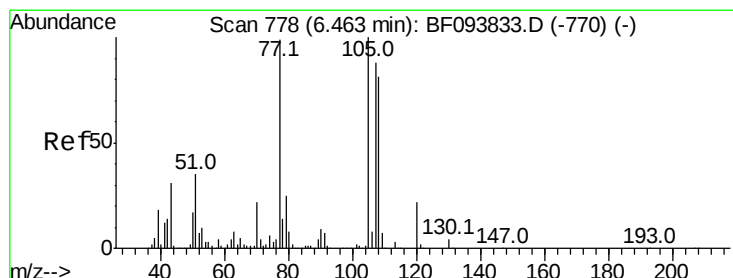
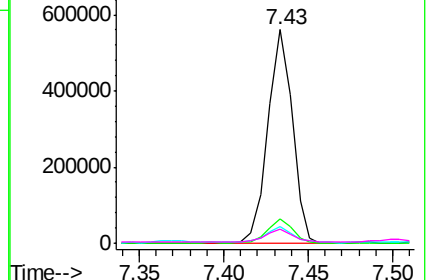
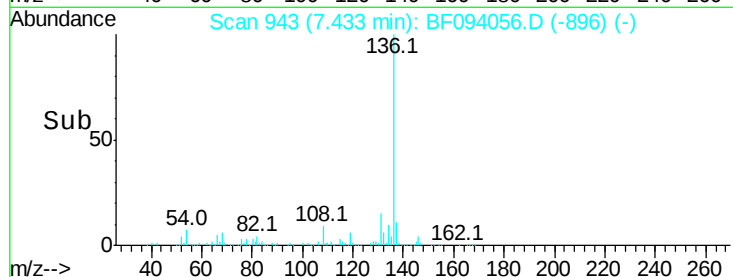


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 7.42 ng

RT: 6.39 min Scan# 765

Delta R.T. -0.04 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

Tgt Ion:105 Resp: 93378

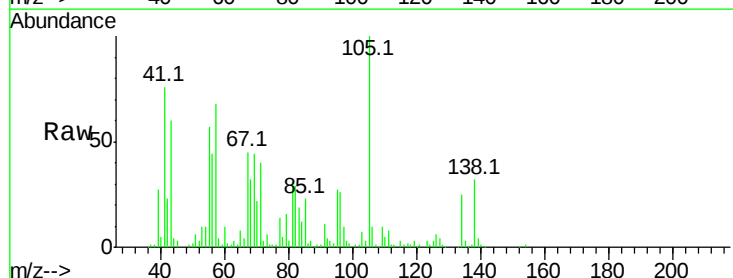
Ion Ratio Lower Upper

105 100

71 40.1 2.8 4.2#

51 6.2 30.7 46.1#

120 0.4 17.4 26.0#

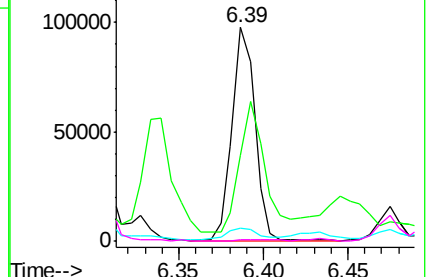
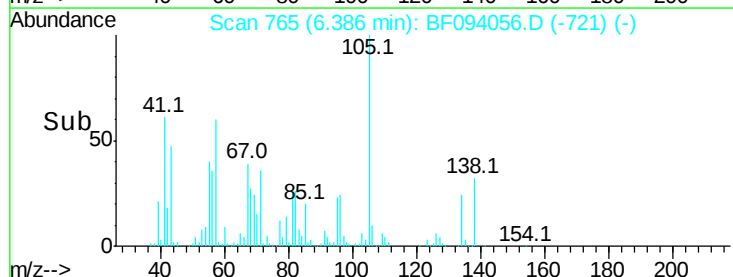


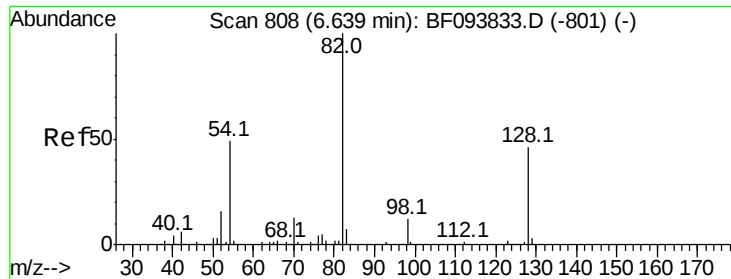
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

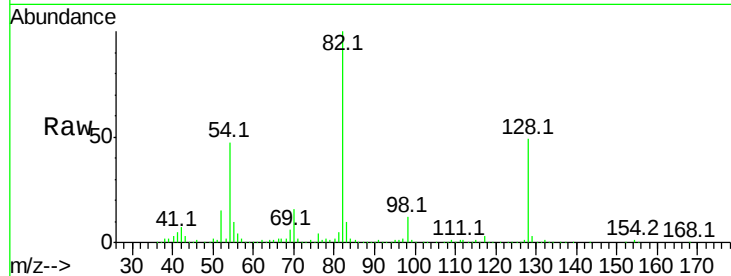




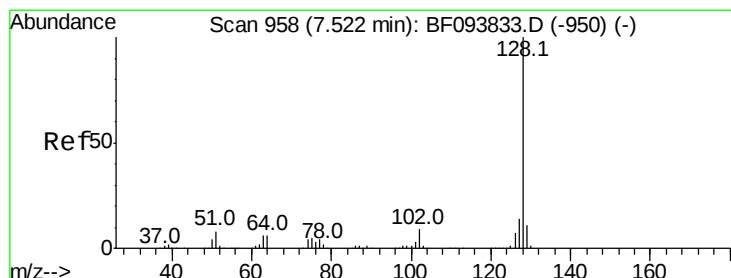
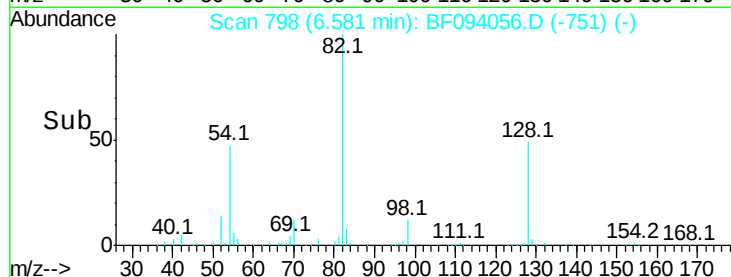
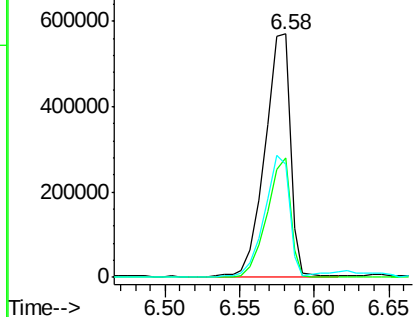
#23
 Nitrobenzene-d5
 Concen: 67.37 ng
 RT: 6.58 min Scan# 798
 Delta R.T. -0.02 min
 Lab File: BF094056.D
 Acq: 30 Mar 2017 10:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 666802
 Ion Ratio Lower Upper
 82 100
 128 49.0 34.0 51.0
 54 46.7 42.2 63.2

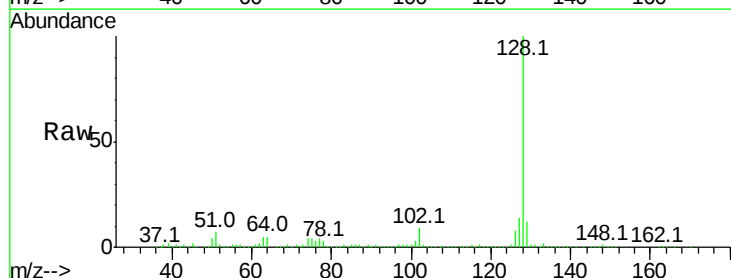


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

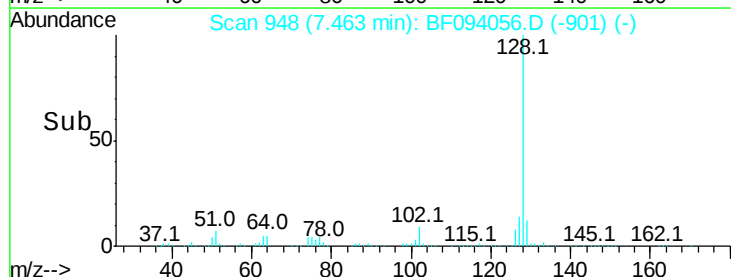
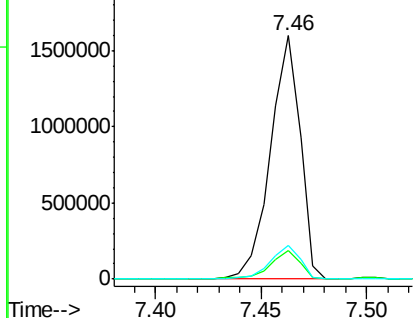


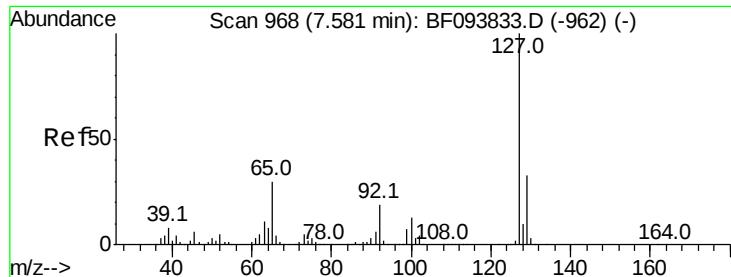
#31
 Naphthalene
 Concen: 57.72 ng
 RT: 7.46 min Scan# 948
 Delta R.T. -0.02 min
 Lab File: BF094056.D
 Acq: 30 Mar 2017 10:24

Tgt Ion:128 Resp: 1567801
 Ion Ratio Lower Upper
 128 100
 129 11.6 9.0 13.6
 127 13.8 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

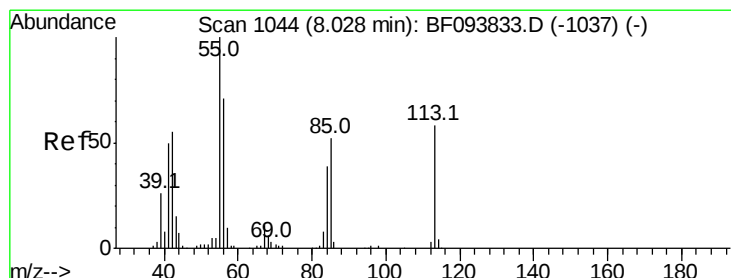
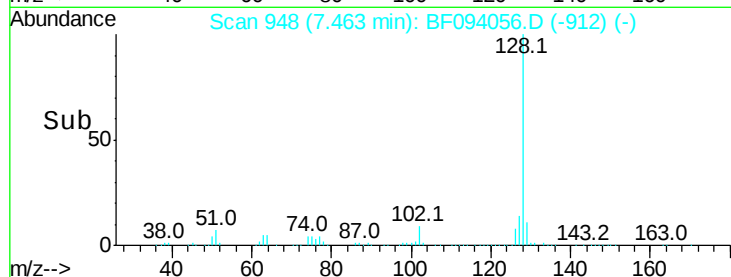
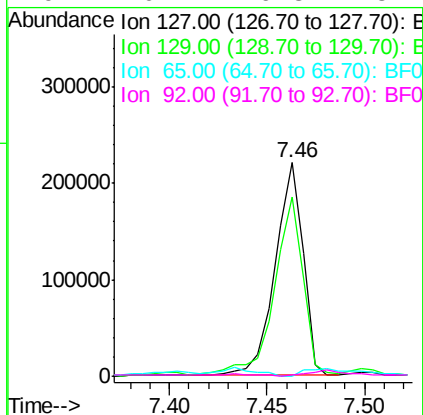
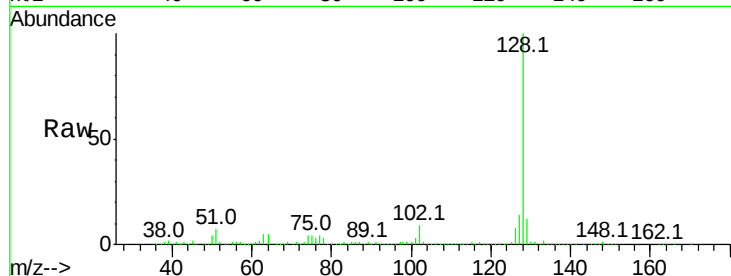




#33
4-Chloroaniline
Concen: 19.99 ng
RT: 7.46 min Scan# 948
Delta R.T. -0.09 min
Lab File: BF094056.D
Acq: 30 Mar 2017 10:24

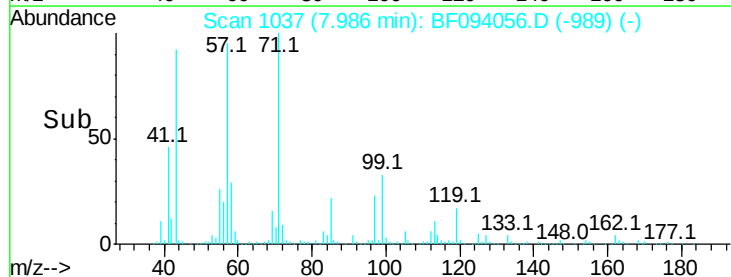
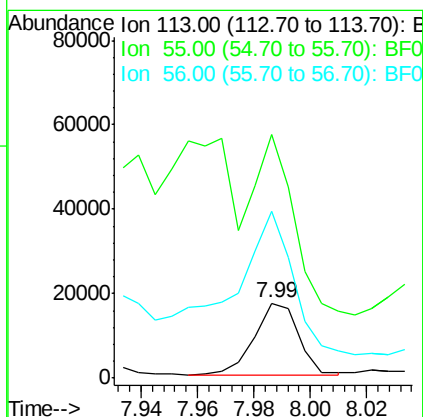
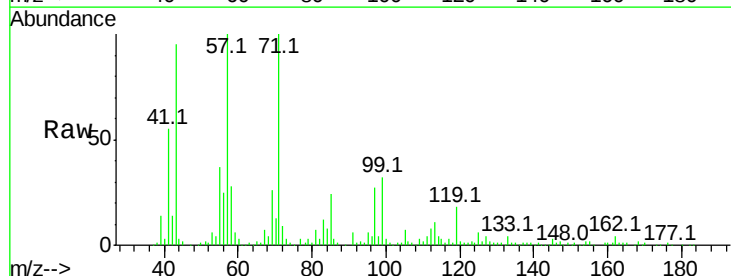
Instrument :
BNA_F
ClientSampleId :

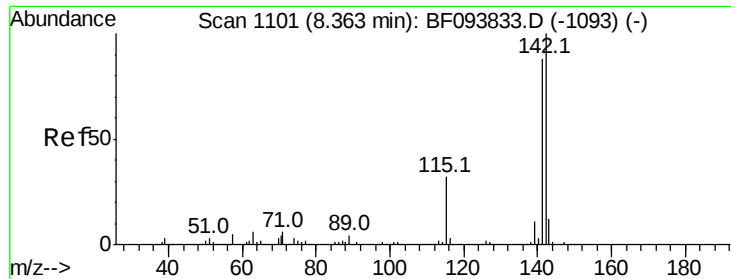
Tot Ion:	127	Resp:	220030
Ion	Ratio	Lower	Upper
127	100		
129	83.7	26.2	39.2#
65	0.0	27.8	41.8#
92	0.7	16.8	25.2#



#35
Caprolactam
Concen: 7.91 ng
RT: 7.99 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF094056.D
Acq: 30 Mar 2017 10:24

Tgt Ion:	113	Resp:	18924
Ion	Ratio	Lower	Upper
113	100		
55	323.3	150.2	190.2#
56	220.8	107.8	147.8#

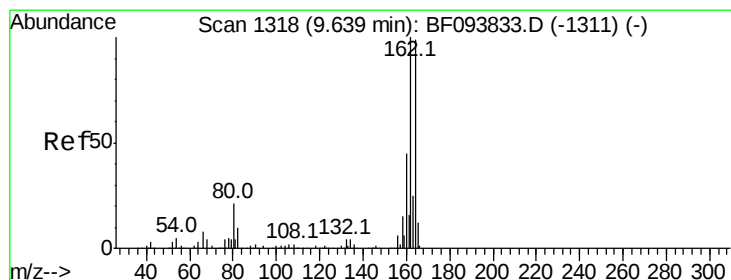
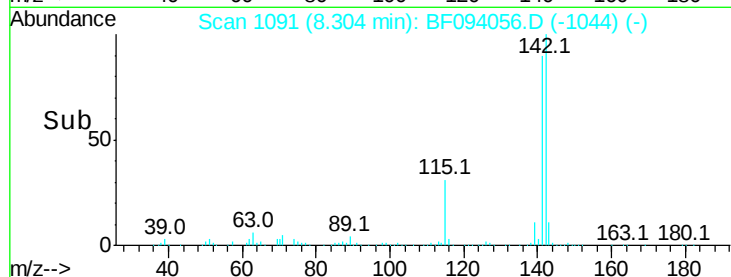
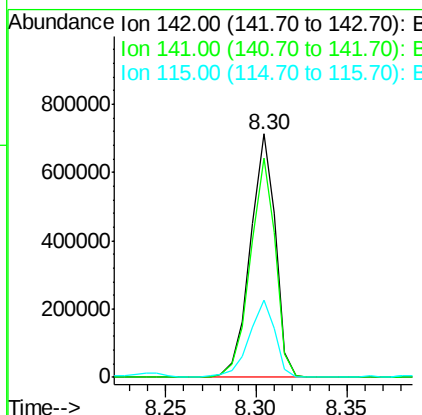
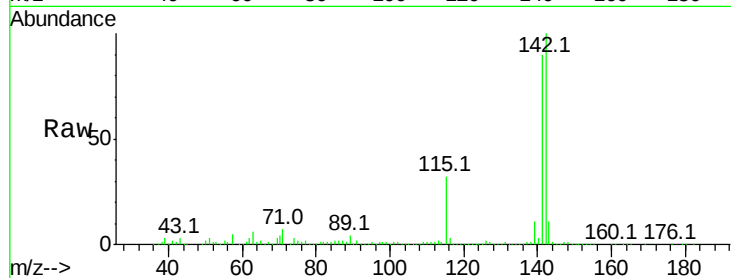




#37
 2-Methylnaphthalene
 Concen: 37.80 ng
 RT: 8.30 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: BF094056.D
 Acq: 30 Mar 2017 10:24

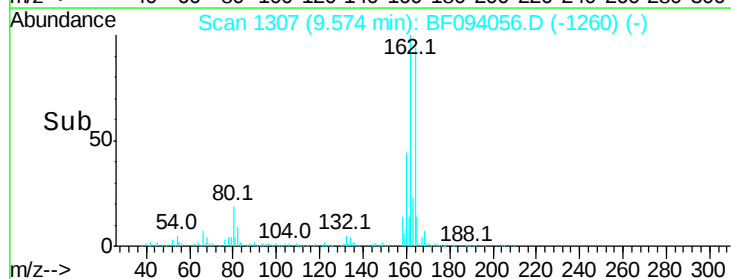
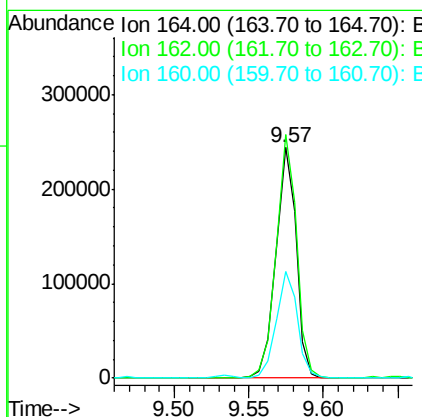
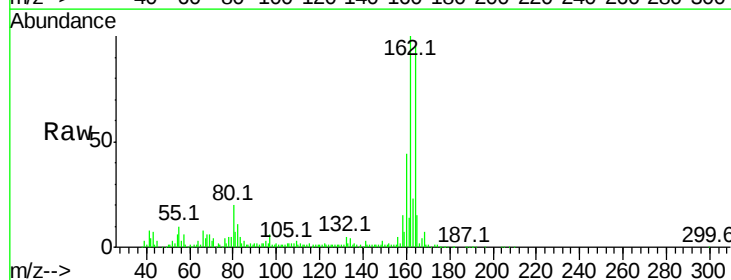
Instrument :
 BNA_F
 ClientSampleID :

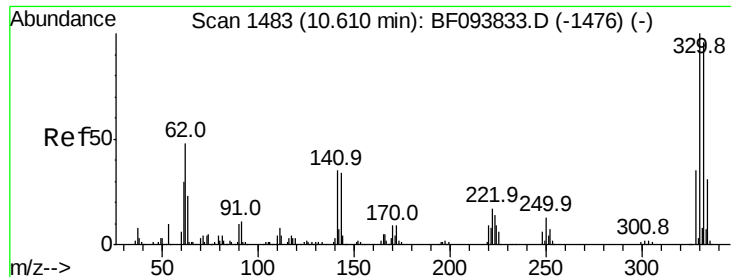
Tot Ion:142 Resp: 684433
 Ion Ratio Lower Upper
 142 100
 141 89.8 71.3 106.9
 115 31.9 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.57 min Scan# 1307
 Delta R.T. -0.02 min
 Lab File: BF094056.D
 Acq: 30 Mar 2017 10:24

Tgt Ion:164 Resp: 232842
 Ion Ratio Lower Upper
 164 100
 162 105.5 82.6 123.8
 160 46.3 36.2 54.2

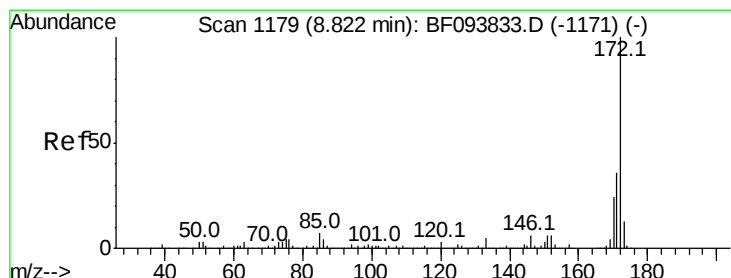
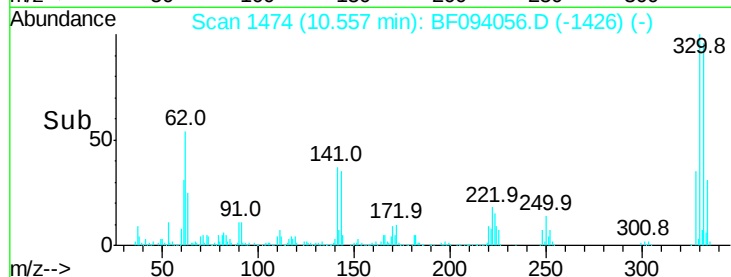
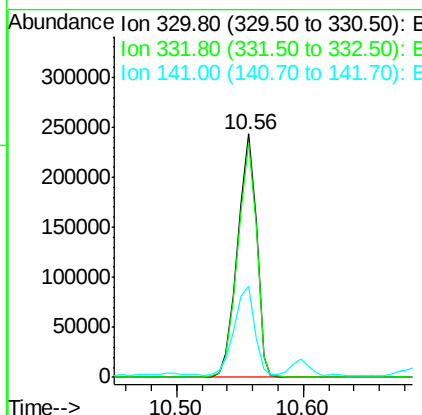
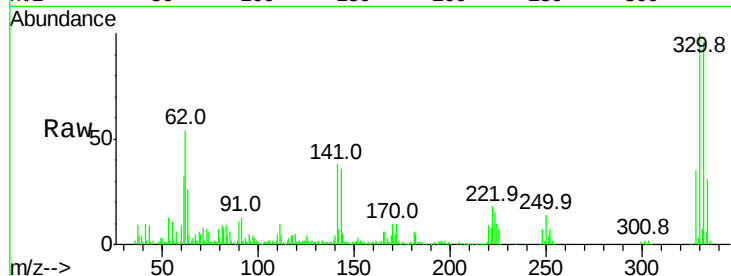




#41
 2,4,6-Tribromophenol
 Concen: 136.04 ng
 RT: 10.56 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: BF094056.D
 Acq: 30 Mar 2017 10:24

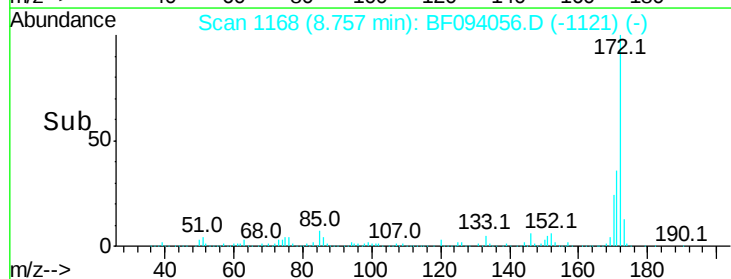
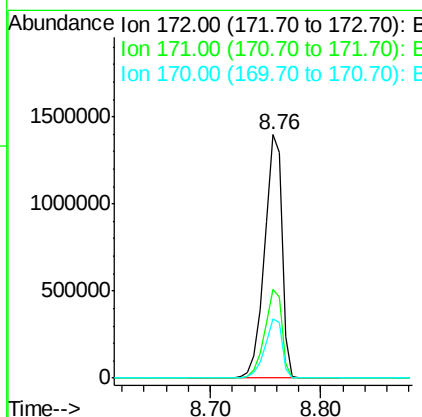
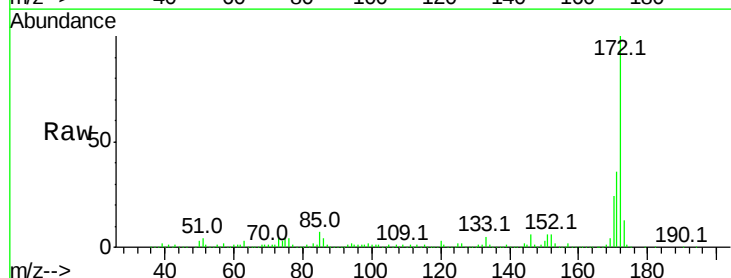
Instrument :
 BNA_F
 ClientSampleId :

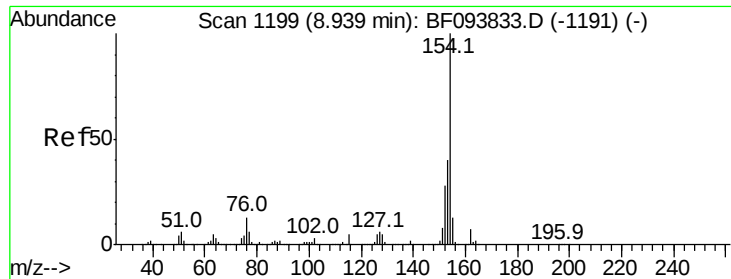
Tot Ion:330 Resp: 250316
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 38.9 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 101.79 ng
 RT: 8.76 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: BF094056.D
 Acq: 30 Mar 2017 10:24

Tgt Ion:172 Resp: 1553894
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.3 19.8 29.8





#45

1,1'-Biphenyl

Concen: 6.16 ng

RT: 8.87 min Scan# 1188

Delta R.T. -0.02 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

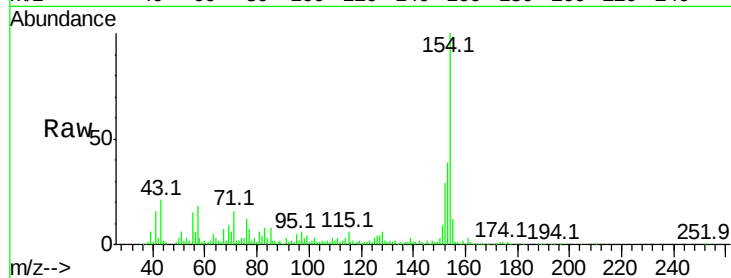
Tot Ion:154 Resp: 115613

Ion Ratio Lower Upper

154 100

153 38.7 21.2 61.2

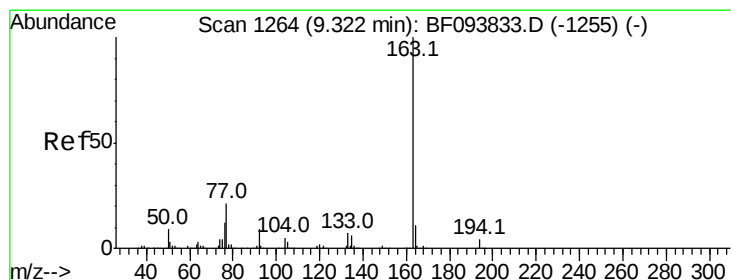
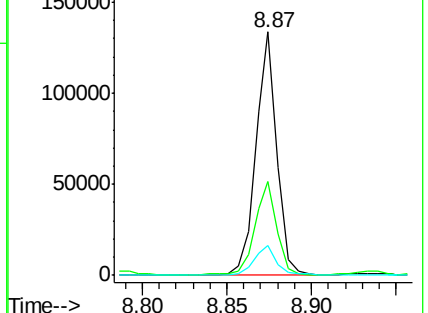
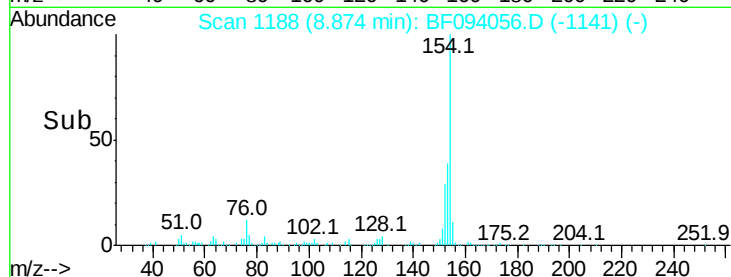
76 12.3 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 6.14 ng

RT: 9.25 min Scan# 1252

Delta R.T. -0.04 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

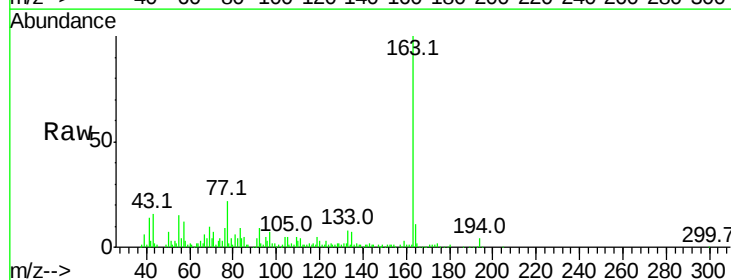
Tgt Ion:163 Resp: 101588

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

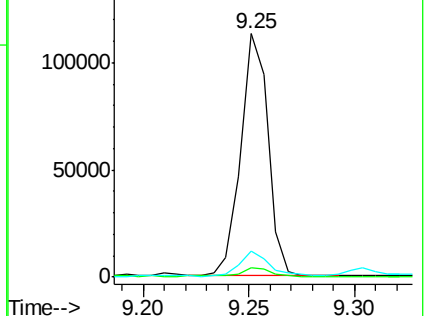
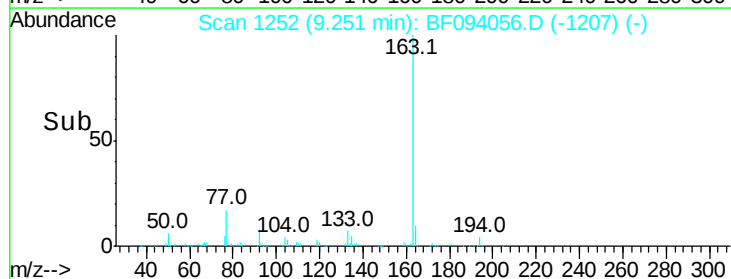
164 10.6 8.4 12.6

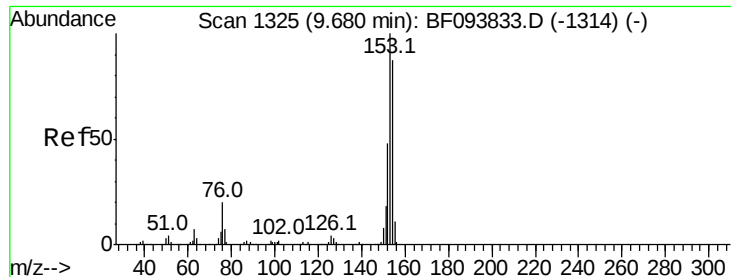


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 8.33 ng

RT: 9.62 min Scan# 1314

Delta R.T. -0.03 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

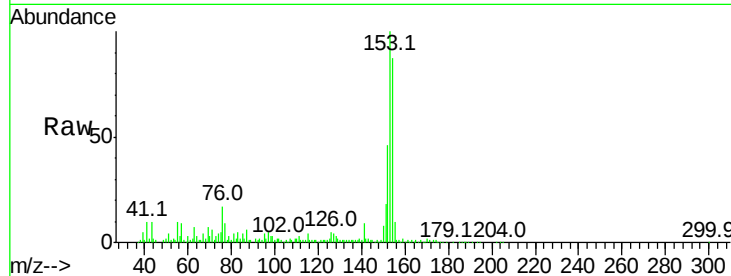
Tot Ion:154 Resp: 118826

Ion Ratio Lower Upper

154 100

153 115.2 90.5 135.7

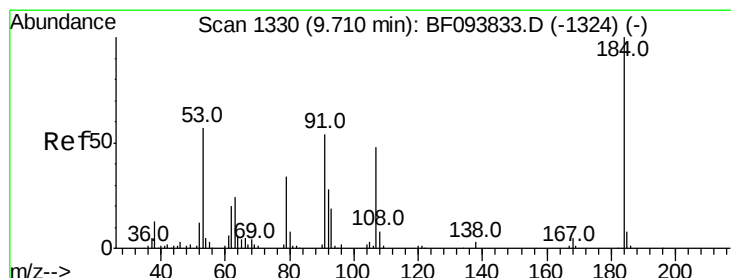
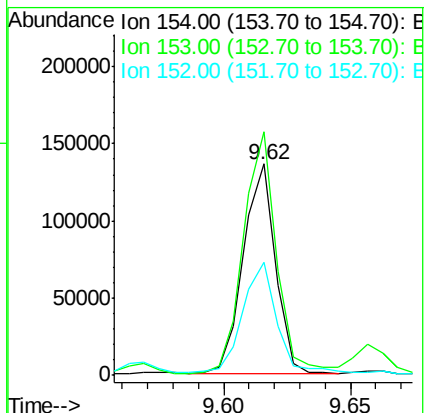
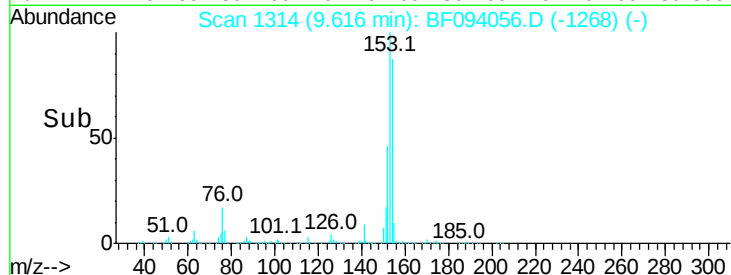
152 53.2 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 4.72 ng

RT: 9.66 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

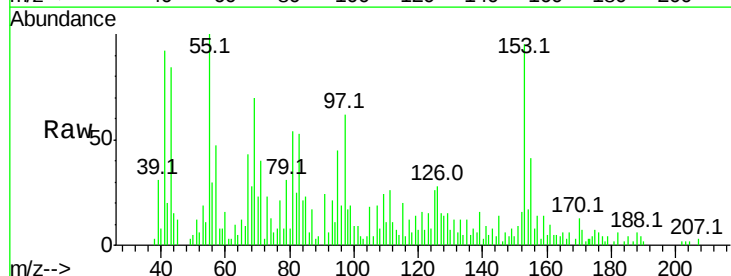
Tgt Ion:184 Resp: 120

Ion Ratio Lower Upper

184 100

63 460.2 62.7 94.1#

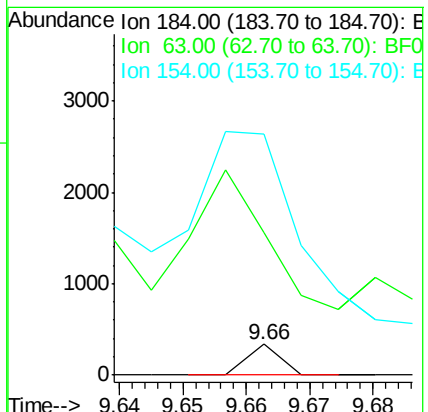
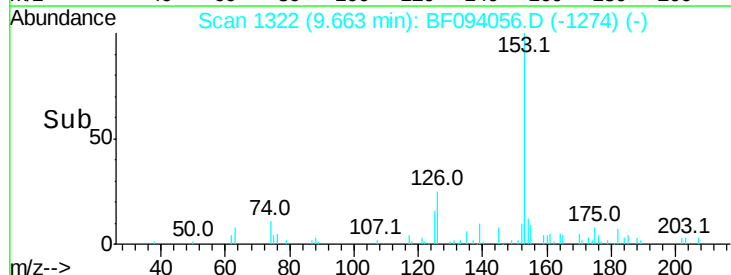
154 777.0 81.1 121.7#

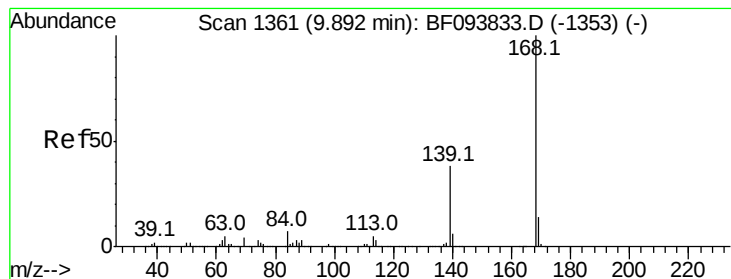


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 10.18 ng

RT: 9.83 min Scan# 1350

Delta R.T. -0.03 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

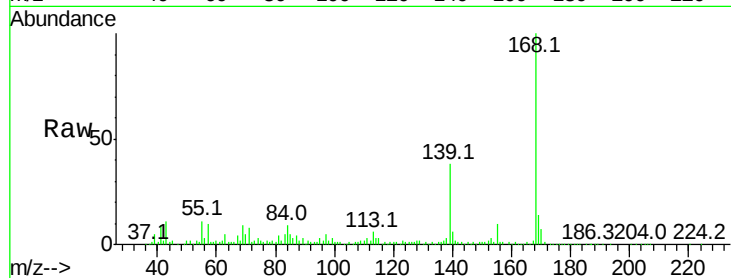
Tot Ion:168 Resp: 197525

Ion Ratio Lower Upper

168 100

139 37.9 30.6 45.8

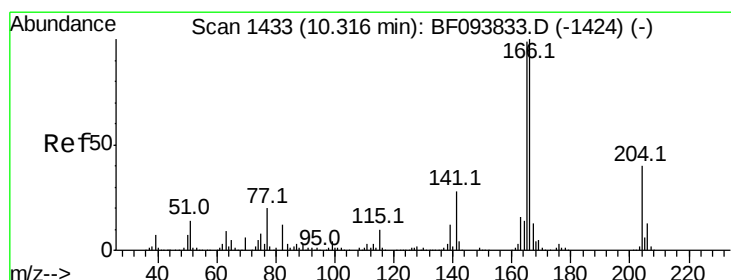
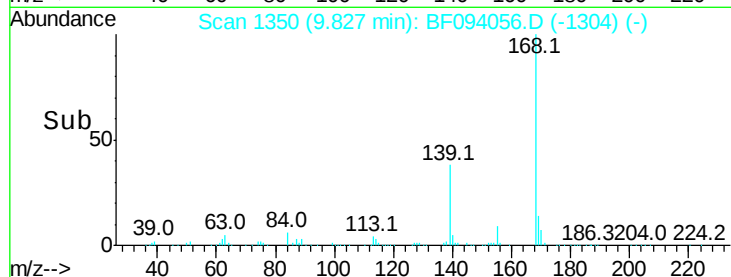
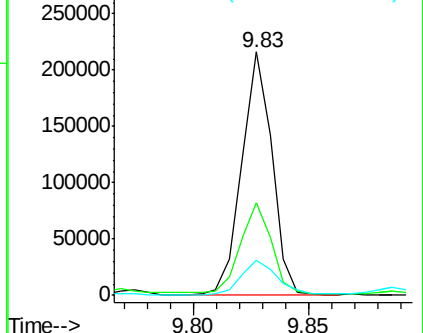
169 14.1 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 9.00 ng

RT: 10.25 min Scan# 1422

Delta R.T. -0.02 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

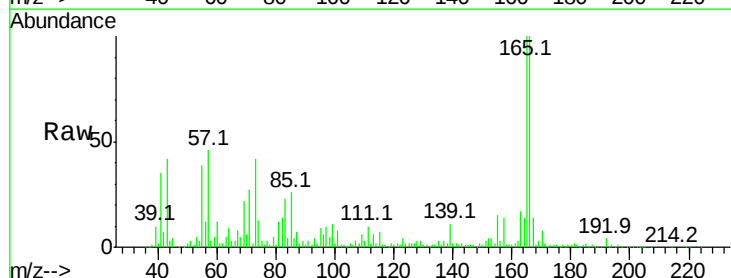
Tgt Ion:166 Resp: 144818

Ion Ratio Lower Upper

166 100

165 100.2 78.8 118.2

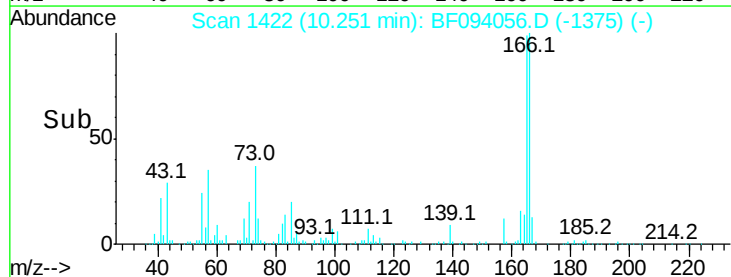
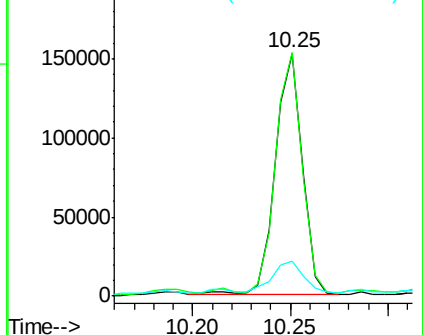
167 14.3 10.6 16.0

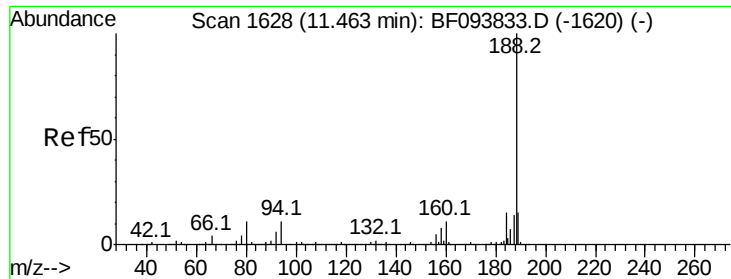


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

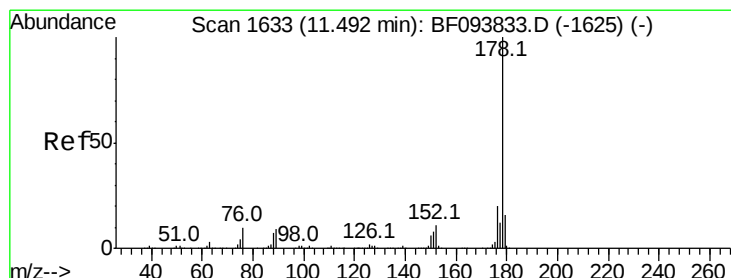
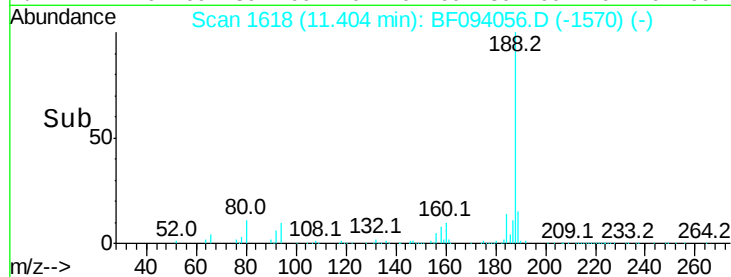
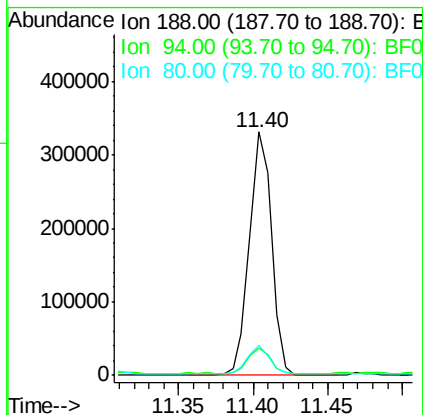
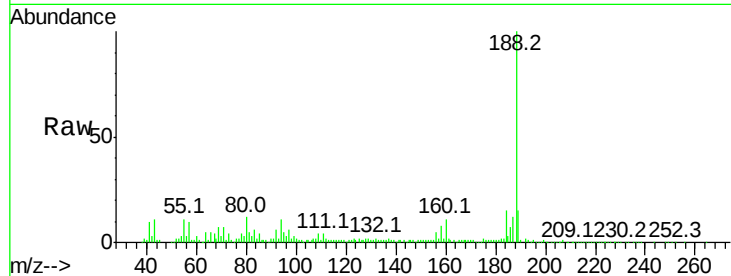




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1618
Delta R.T. -0.02 min
Lab File: BF094056.D
Acq: 30 Mar 2017 10:24

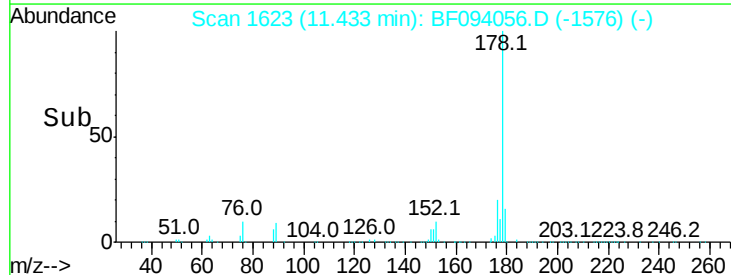
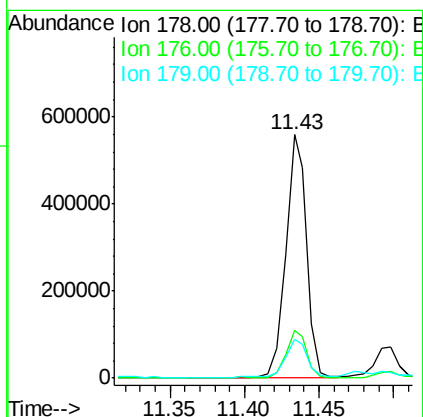
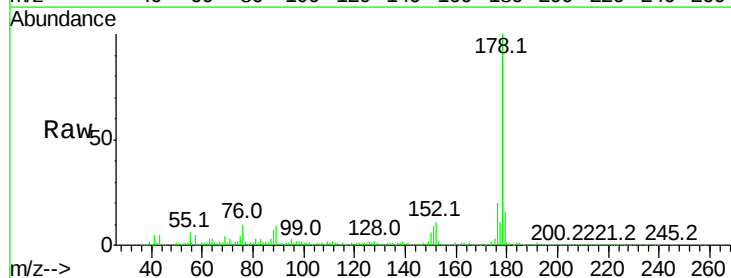
Instrument :
BNA_F
ClientSampleId :

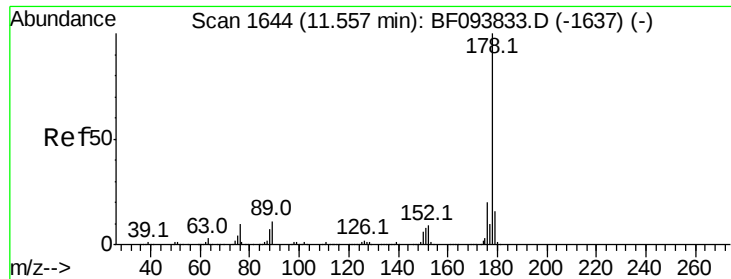
Tot Ion:188 Resp: 339218
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 12.1 10.2 15.2



#70
Phenanthrene
Concen: 28.87 ng
RT: 11.43 min Scan# 1623
Delta R.T. -0.02 min
Lab File: BF094056.D
Acq: 30 Mar 2017 10:24

Tgt Ion:178 Resp: 544814
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.4
179 16.0 12.6 19.0





#71

Anthracene

Concen: 3.69 ng

RT: 11.50 min Scan# 1634

Delta R.T. -0.02 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

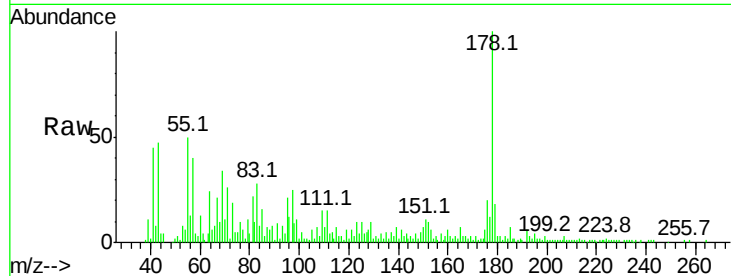
Tot Ion:178 Resp: 71719

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

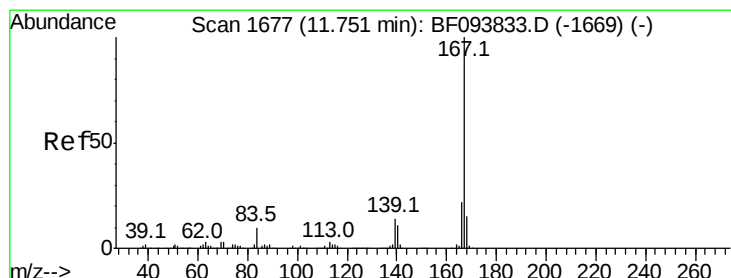
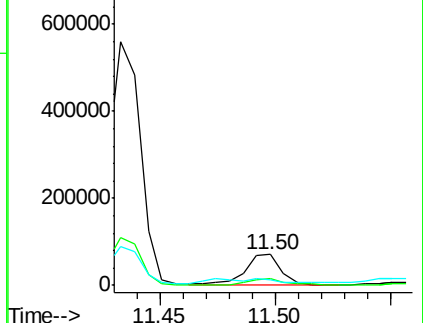
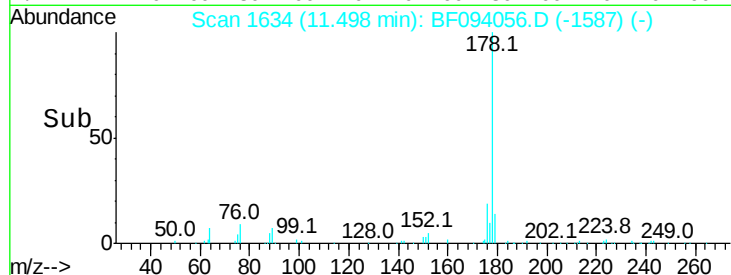
179 18.5 12.7 19.1



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



#72

Carbazole

Concen: 2.98 ng

RT: 11.71 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

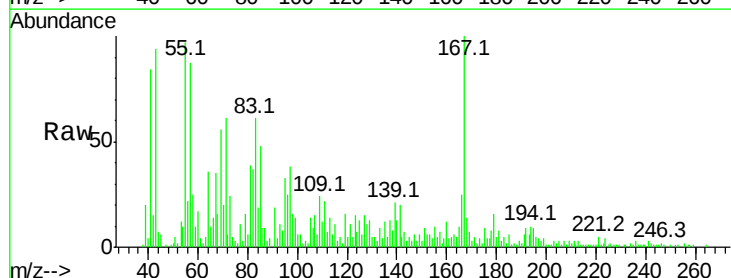
Tgt Ion:167 Resp: 59321

Ion Ratio Lower Upper

167 100

166 24.6 18.1 27.1

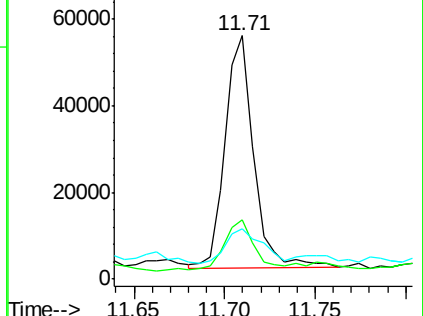
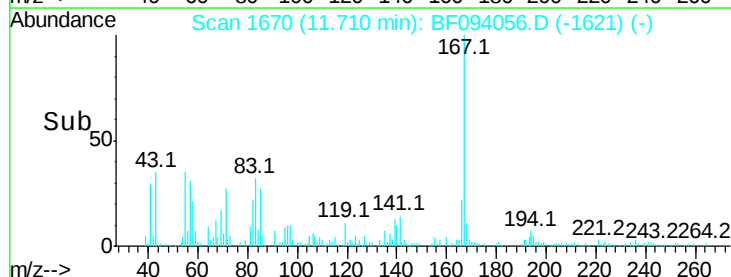
139 20.6 11.7 17.5#

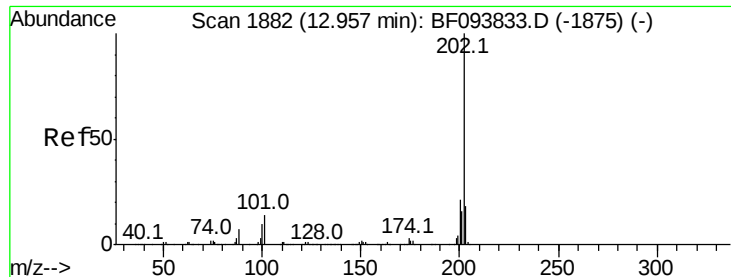


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 13.78 ng

RT: 12.93 min Scan# 1878

Delta R.T. 0.01 min

Lab File: BF094056.D

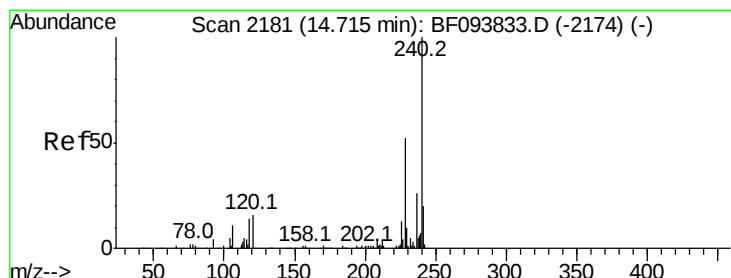
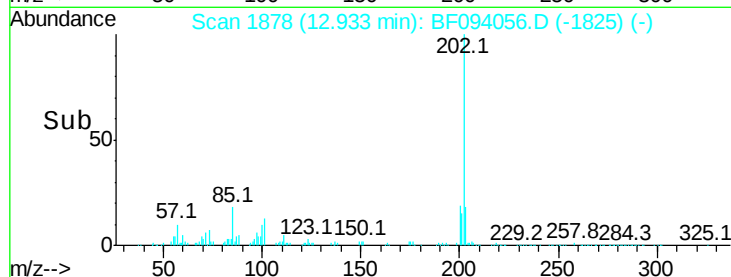
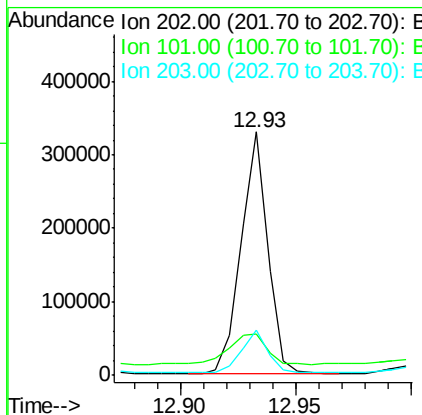
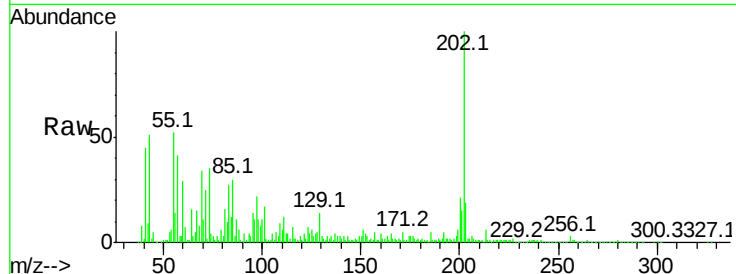
Acq: 30 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	266317
Ion	Ratio	Lower	Upper
202	100		
101	16.9	0.0	33.2
203	18.8	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

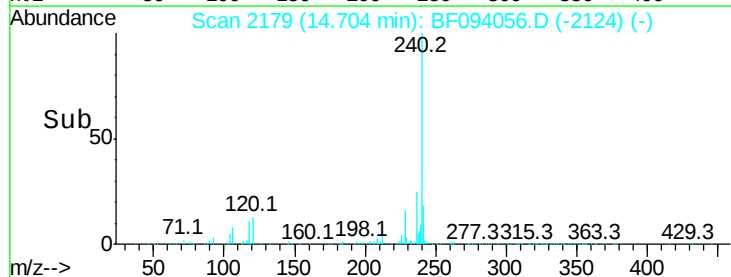
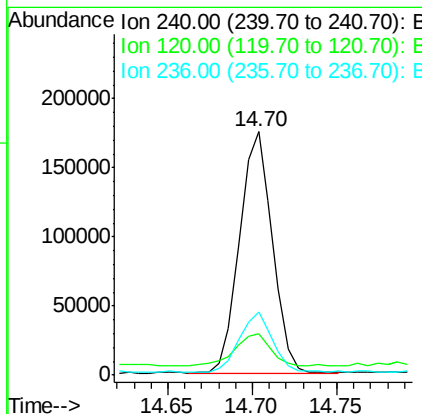
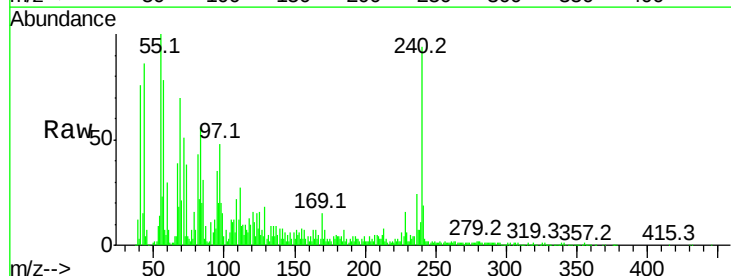
RT: 14.70 min Scan# 2179

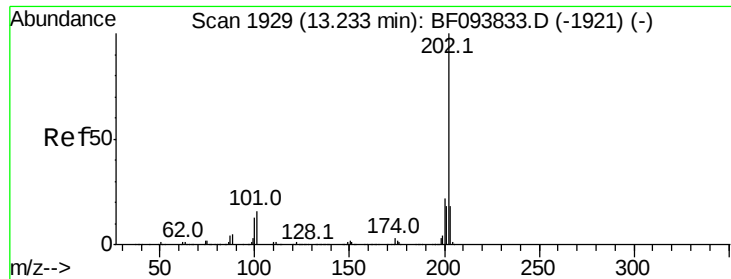
Delta R.T. 0.02 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

Tgt Ion:	240	Resp:	235483
Ion	Ratio	Lower	Upper
240	100		
120	16.8	5.8	8.8#
236	25.9	20.5	30.7





#77

Pvrene

Concen: 7.76 ng

RT: 13.20 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BF094056.D

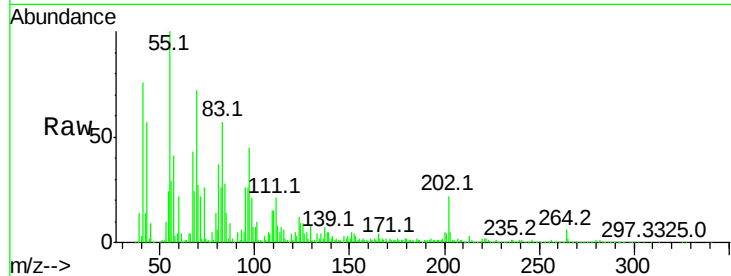
Acq: 30 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

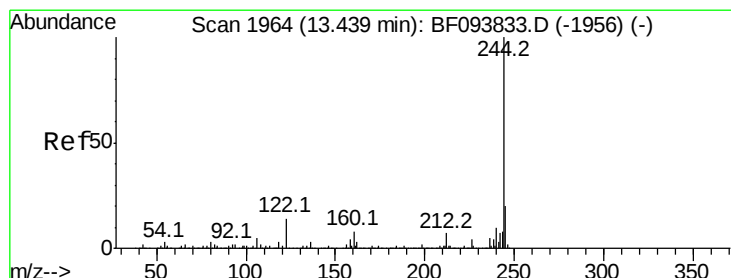
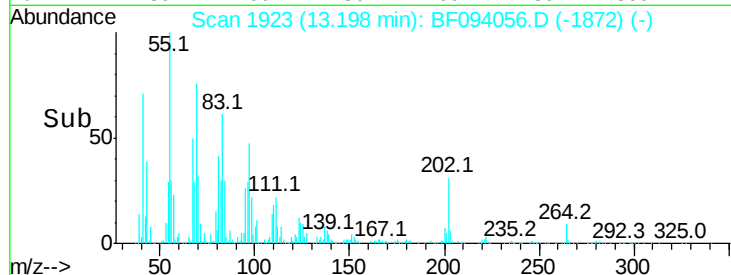
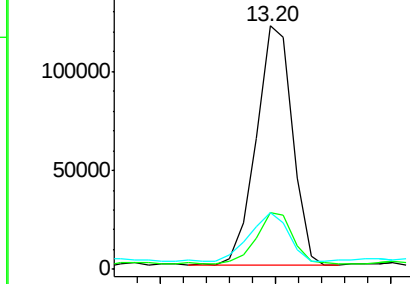
Tot Ion:	202	Resp:	132681
Ion	Ratio	Lower	Upper
202	100		
200	23.2	17.6	26.4
203	23.1	14.4	21.6#



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: 67.51 ng

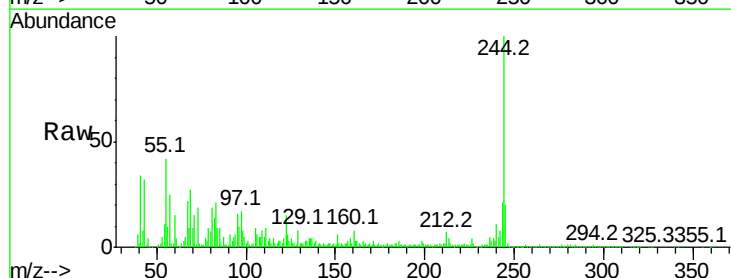
RT: 13.41 min Scan# 1959

Delta R.T. 0.01 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

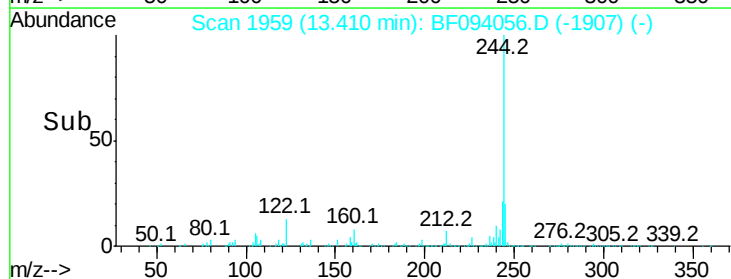
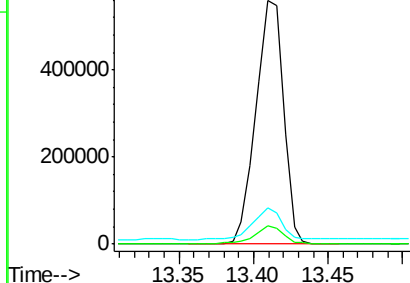
Tgt Ion:	244	Resp:	709200
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	14.6	10.3	15.5

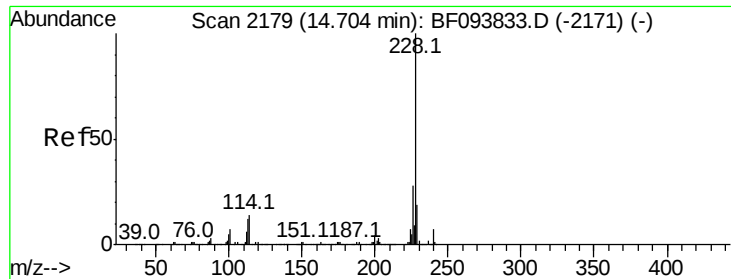


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

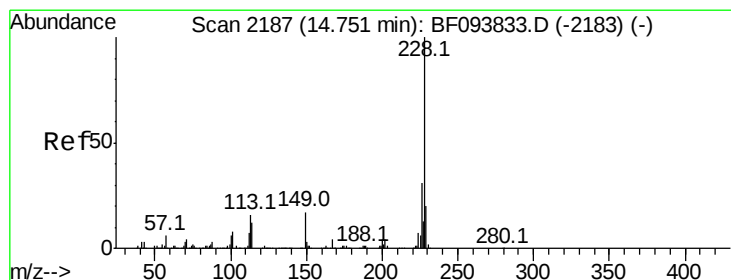
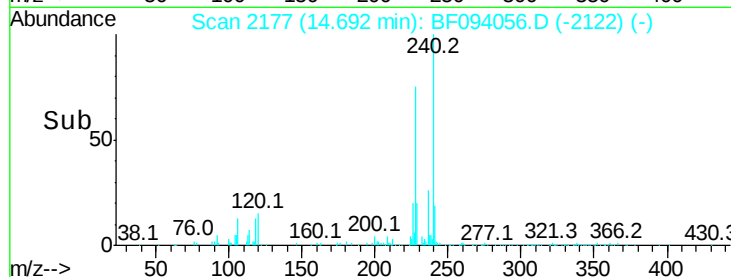
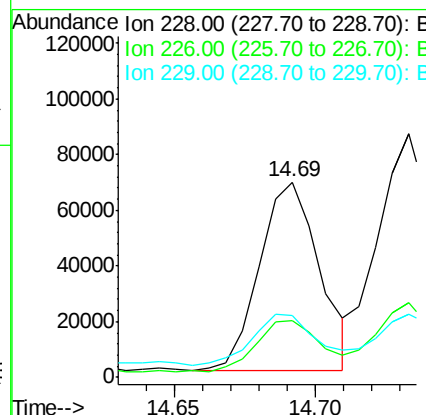
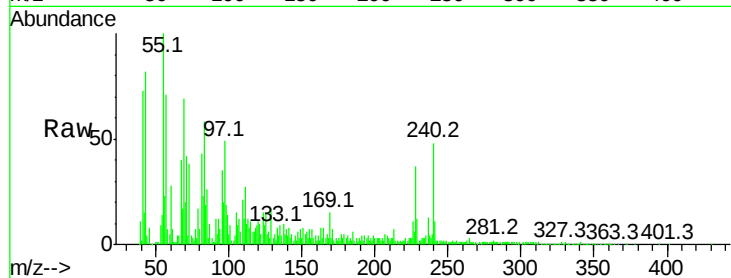




#80
Benzo(a)anthracene
Concen: 7.23 ng
RT: 14.69 min Scan# 2177
Delta R.T. 0.02 min
Lab File: BF094056.D
Acq: 30 Mar 2017 10:24

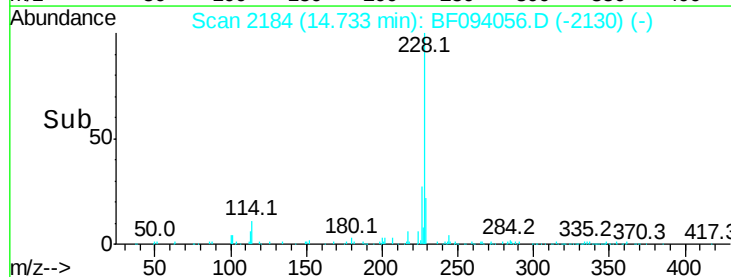
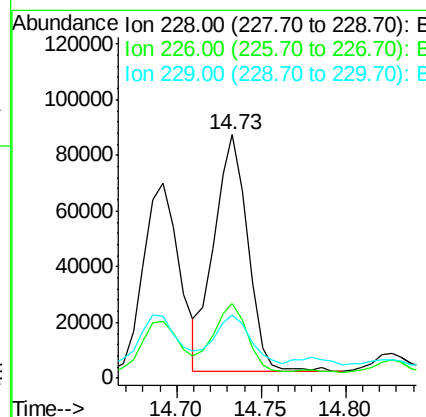
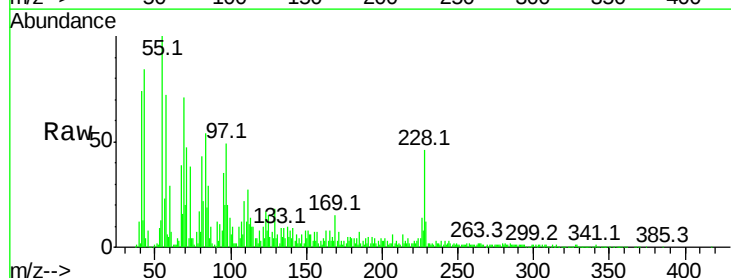
Instrument :
BNA_F
ClientSampled :

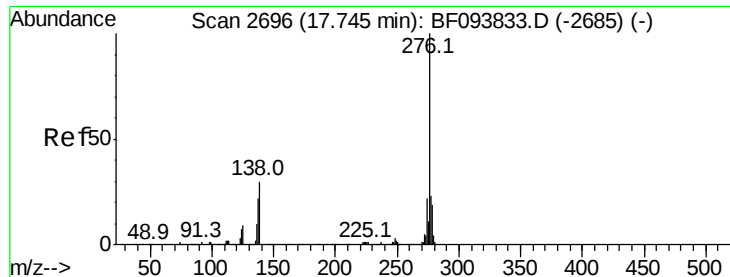
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	31.5	16.3	24.5



#82
Chrysene
Concen: 9.26 ng
RT: 14.73 min Scan# 2184
Delta R.T. 0.02 min
Lab File: BF094056.D
Acq: 30 Mar 2017 10:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	26.2	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.68 ng

RT: 17.70 min Scan# 2688

Delta R.T. 0.01 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

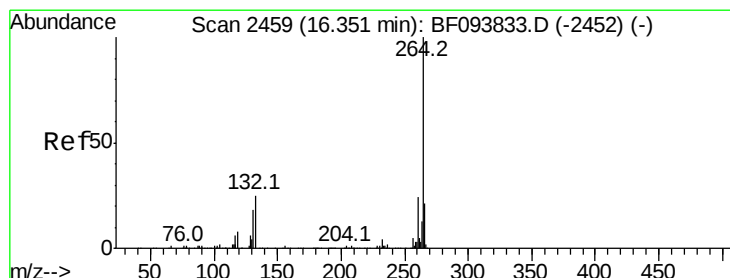
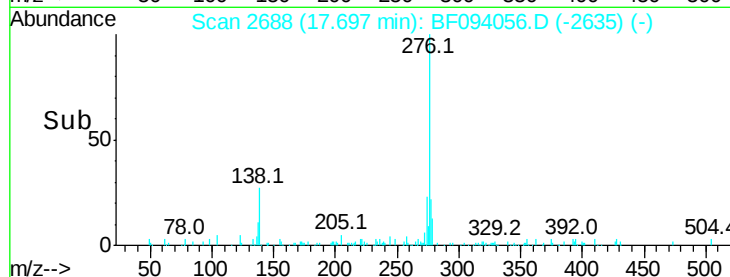
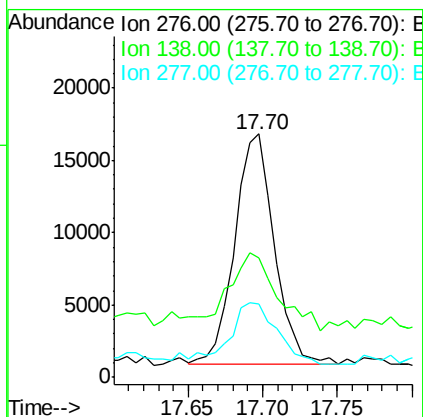
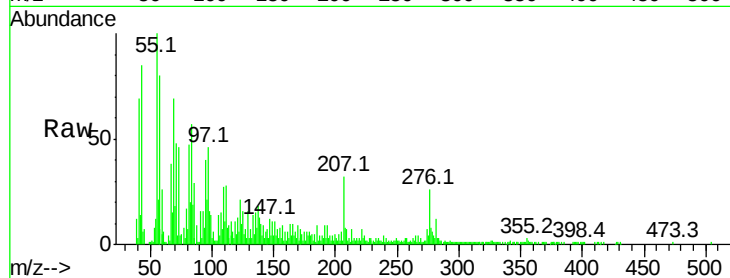
Tot Ion:276 Resp: 29610

Ion Ratio Lower Upper

276 100

138 35.4 27.8 41.6

277 33.3 20.2 30.4#



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.33 min Scan# 2455

Delta R.T. 0.02 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

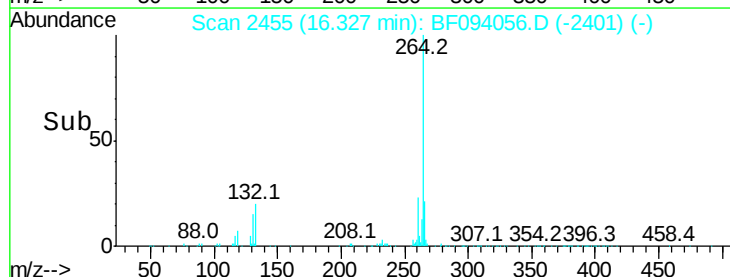
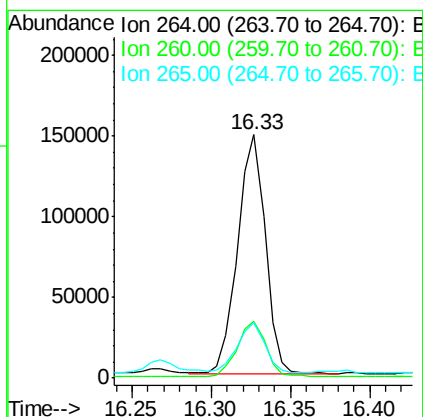
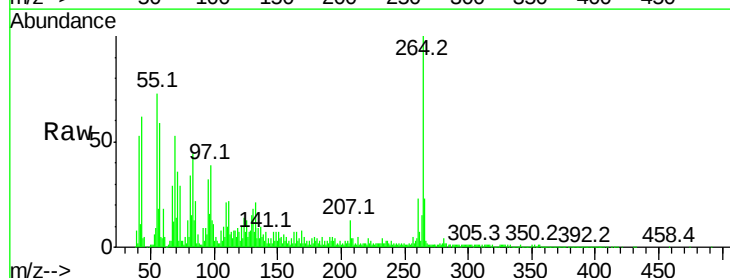
Tgt Ion:264 Resp: 180256

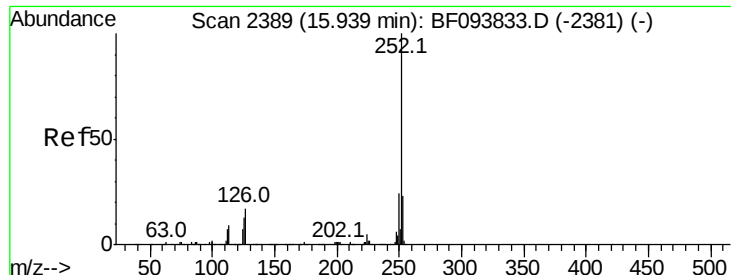
Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 22.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 9.36 ng

RT: 15.92 min Scan# 2385

Delta R.T. 0.02 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

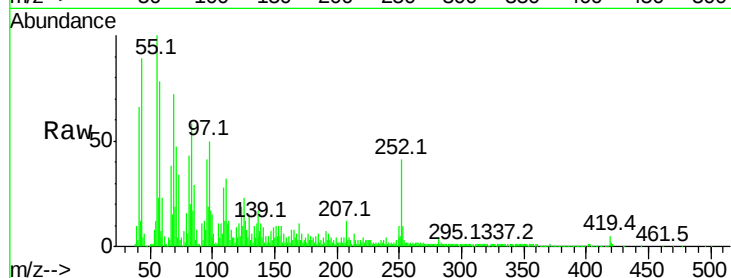
Tot Ion:252 Resp: 103453

Ion Ratio Lower Upper

252 100

253 24.9 18.1 27.1

125 55.0 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

15.92

80000

60000

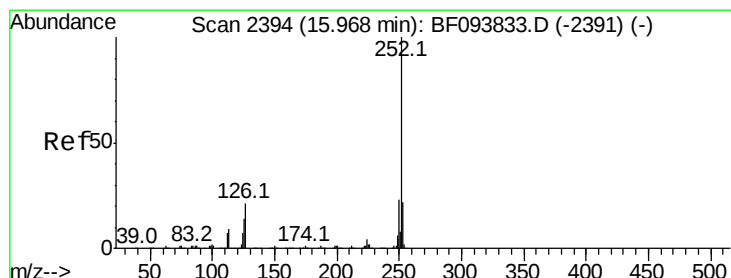
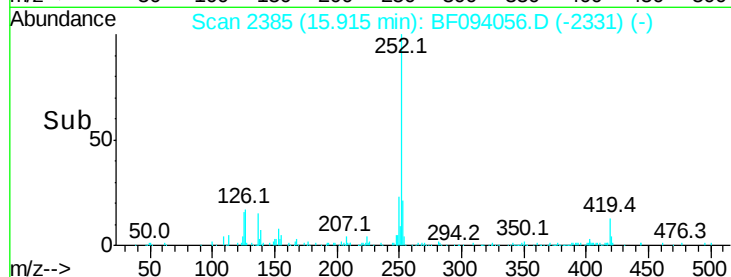
40000

20000

0

15.85 15.90 15.95 16.00

Time-->



#88

Benzo(k)fluoranthene

Concen: 9.57 ng

RT: 15.92 min Scan# 2385

Delta R.T. -0.02 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

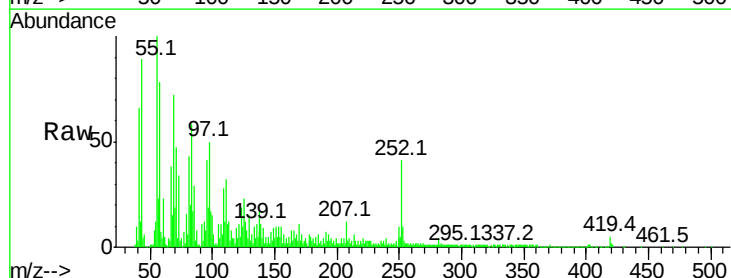
Tgt Ion:252 Resp: 103453

Ion Ratio Lower Upper

252 100

253 24.9 18.4 27.6

125 55.0 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

15.92

80000

60000

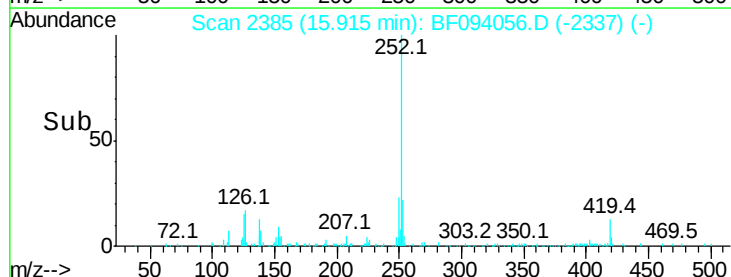
40000

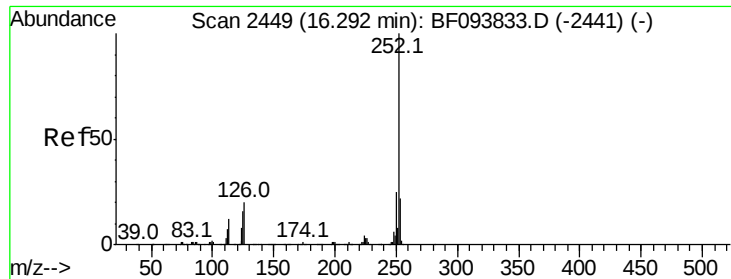
20000

0

15.85 15.90 15.95 16.00

Time-->





#89

Benzo(a)pyrene

Concen: 5.35 ng

RT: 16.26 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BF094056.D

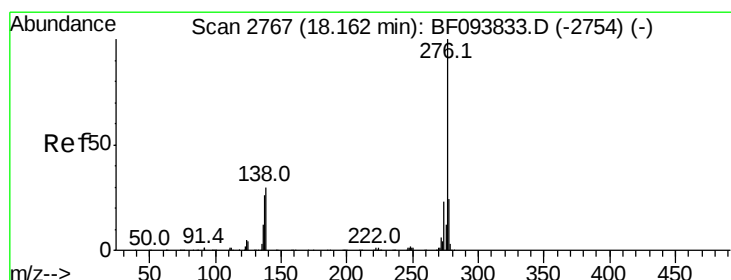
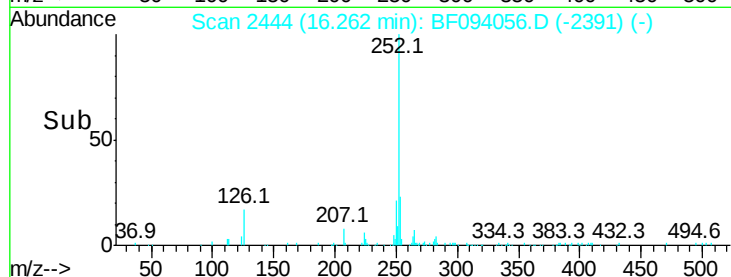
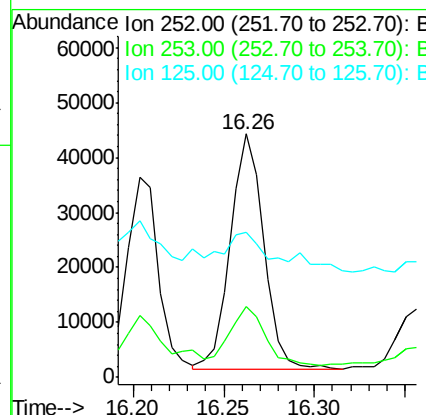
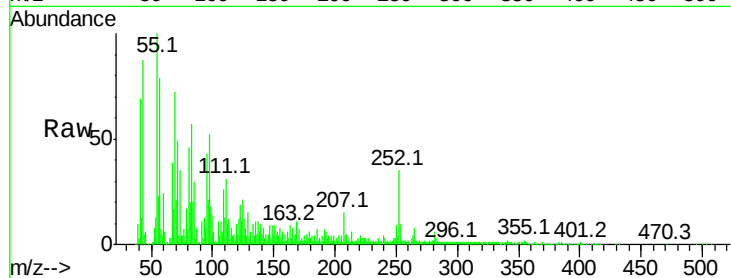
Acq: 30 Mar 2017 10:24

Instrument :

BNA_F

ClientSampled :

Tot Ion:252	Resp:	54417
Ion Ratio	Lower	Upper
252	100	
253	28.9	17.5 26.3#
125	59.5	11.0 16.4#



#91

Benzo(g,h,i)perylene

Concen: 3.59 ng

RT: 18.10 min Scan# 2757

Delta R.T. 0.01 min

Lab File: BF094056.D

Acq: 30 Mar 2017 10:24

Tgt Ion:276	Resp:	31135
Ion Ratio	Lower	Upper
276	100	
277	31.4	18.6 28.0#
138	52.5	25.4 38.0#

