

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
 Data File : BF094349.D
 Acq On : 11 Apr 2017 10:07
 Operator : SJ/MA
 Sample : I2601-18
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 11:31:27 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

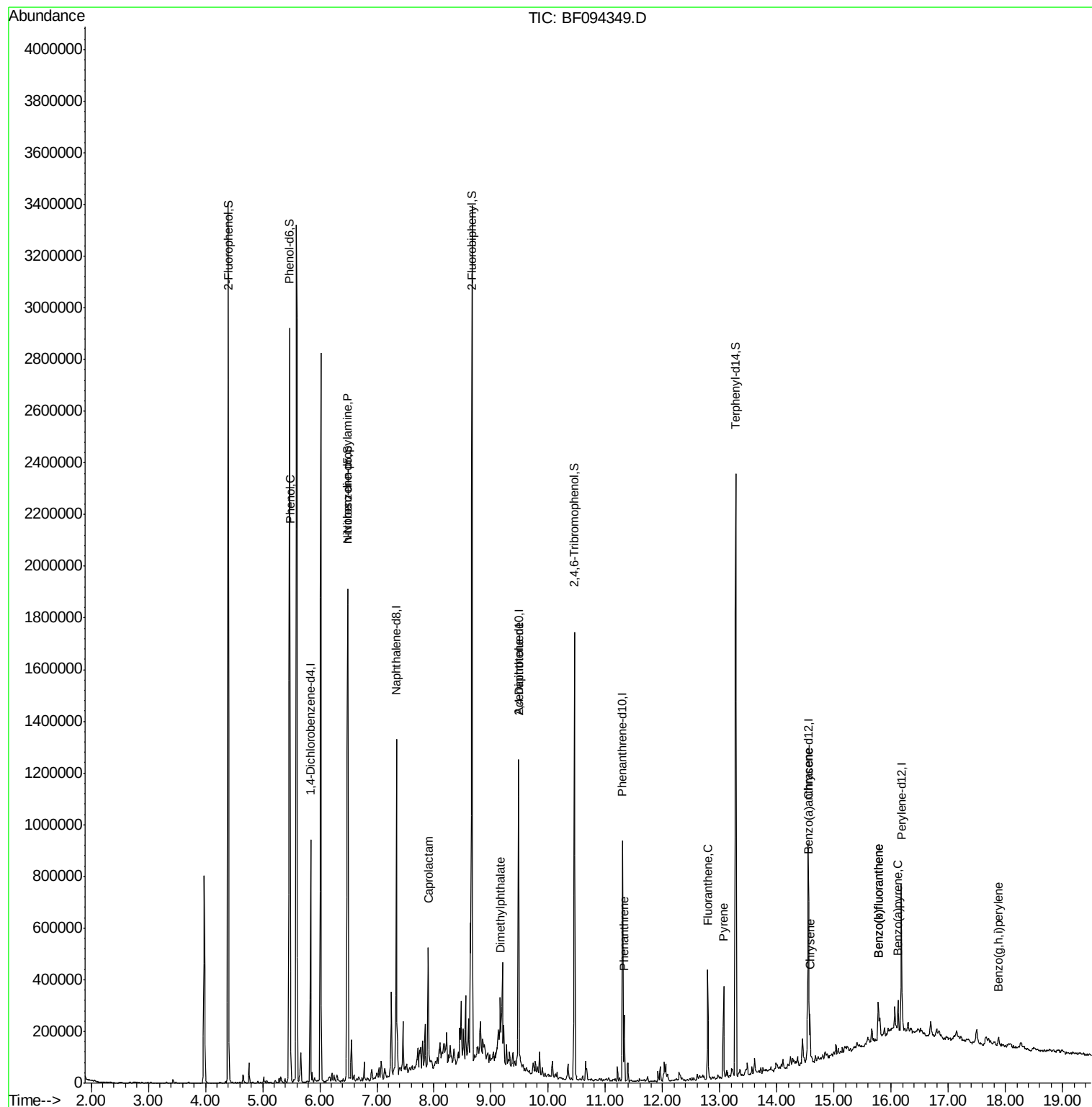
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.84	152	158331	20.00	ng	-0.02
21) Naphthalene-d8	7.34	136	602094	20.00	ng	-0.02
38) Acenaphthene-d10	9.48	164	244666	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	381403	20.00	ng	-0.02
75) Chrysene-d12	14.55	240	290985	20.00	ng	-0.02
86) Perylene-d12	16.18	264	232226	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1007383	107.46	ng	0.01
7) Phenol-d6	5.47	99	1286988	110.98	ng	0.01
23) Nitrobenzene-d5	6.49	82	781756	74.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	215488	111.46	ng	-0.02
44) 2-Fluorobiphenyl	8.66	172	1280524	79.83	ng	-0.02
78) Terphenyl-d14	13.28	244	809008	62.32	ng	-0.02
Target Compounds						
10) Phenol	5.49	94	73970	5.61	ng	Qvalue 89
19) n-Nitroso-di-n-propylamine	6.49	70	106512	14.29	ng	# 78
35) Caprolactam	7.90	113	11063	4.34	ng	# 62
49) Dimethylphthalate	9.16	163	96817	5.57	ng	98
56) 2,4-Dinitrotoluene	9.47	165	32994	6.59	ng	# 33
70) Phenanthrene	11.33	178	98832	4.66	ng	96
74) Fluoranthene	12.79	202	180370	8.30	ng	99
77) Pyrene	13.07	202	154210	7.30	ng	98
80) Benzo(a)anthracene	14.54	228	79988	4.71	ng	98
82) Chrysene	14.58	228	73676	4.68	ng	96
87) Benzo(b)fluoranthene	15.77	252	103531	7.27	ng	# 96
88) Benzo(k)fluoranthene	15.77	252	103531	7.43	ng	98
89) Benzo(a)pyrene	16.12	252	52171	3.98	ng	96
91) Benzo(a,h,i)perylene	17.88	276	25560	2.28	ng	# 91

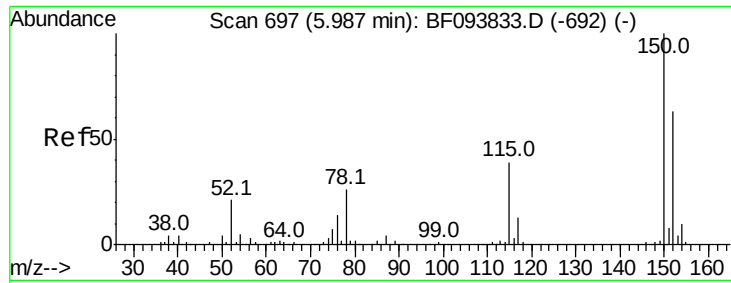
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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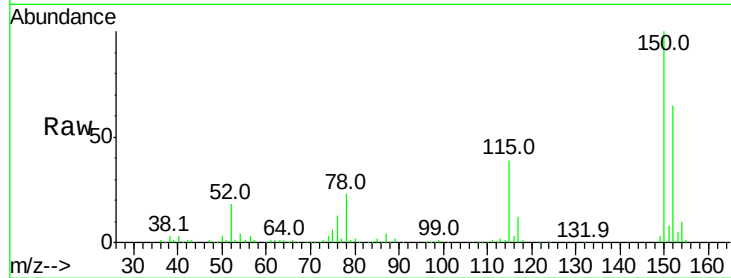


#1

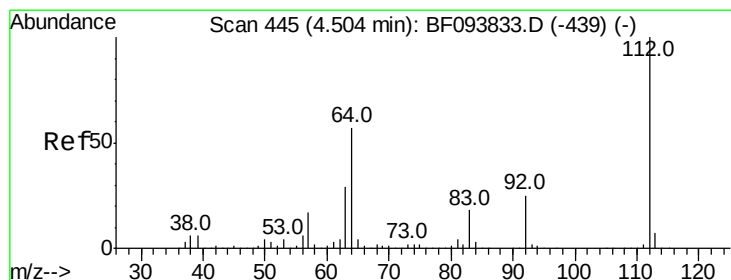
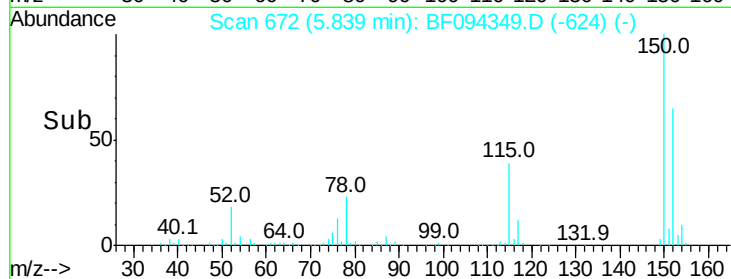
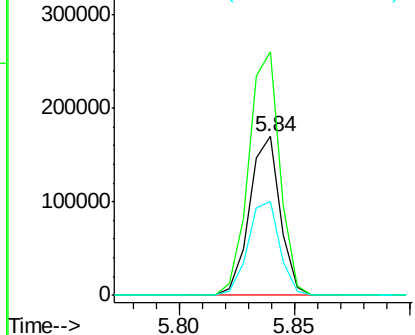
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.84 min Scan# 672
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 158331
Ion Ratio Lower Upper
152 100
150 153.1 126.2 189.2
115 59.2 52.2 78.2



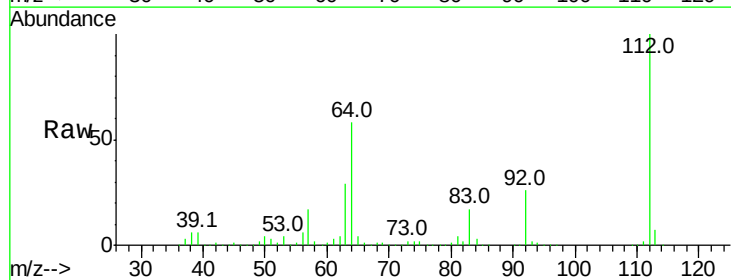
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



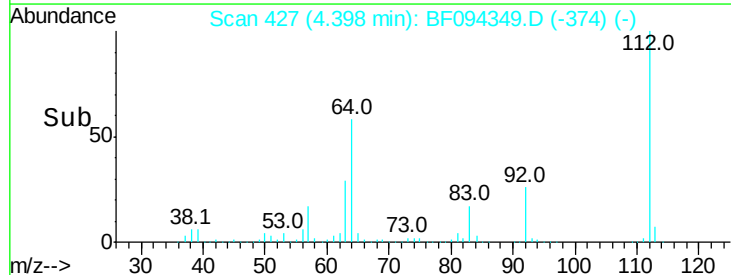
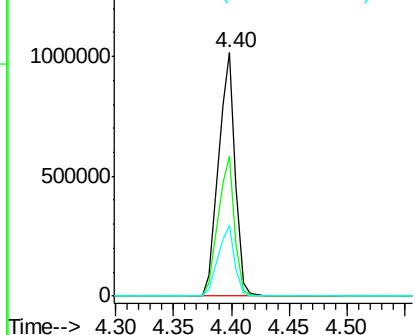
#5

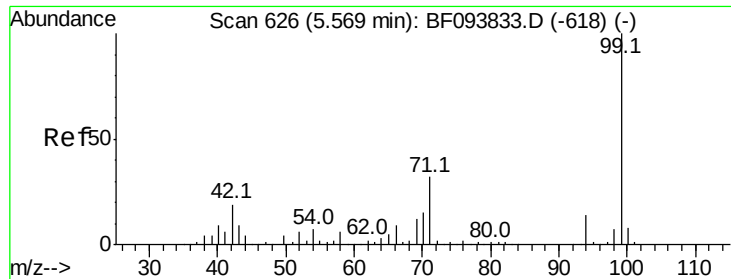
2-Fluorophenol
Concen: 107.46 ng
RT: 4.40 min Scan# 427
Delta R.T. 0.01 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Tgt Ion:112 Resp: 1007383
Ion Ratio Lower Upper
112 100
64 57.5 46.0 69.0
63 29.0 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: 110.98 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

Instrument :

BNA_F

ClientSampled :

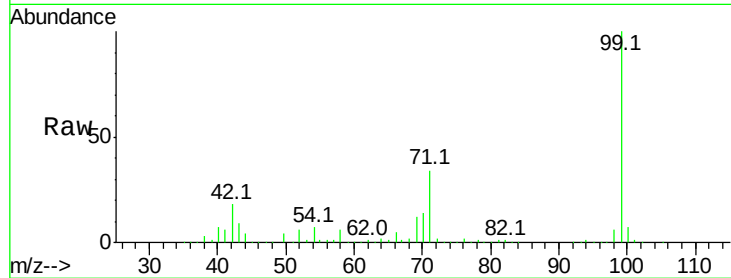
Tot Ion: 99 Resp: 1286988

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

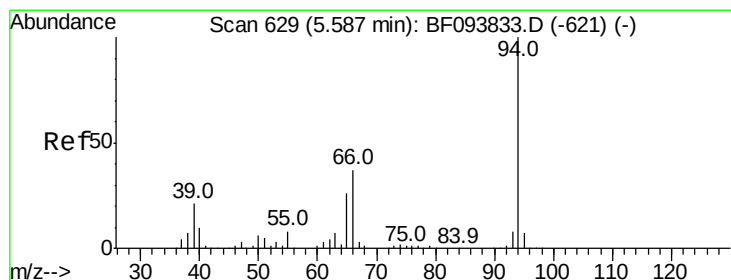
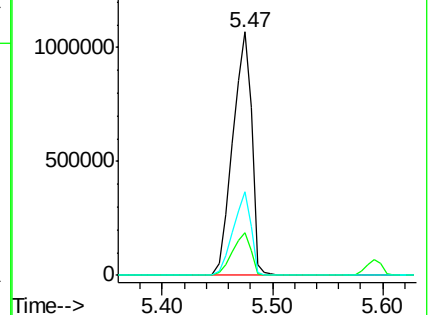
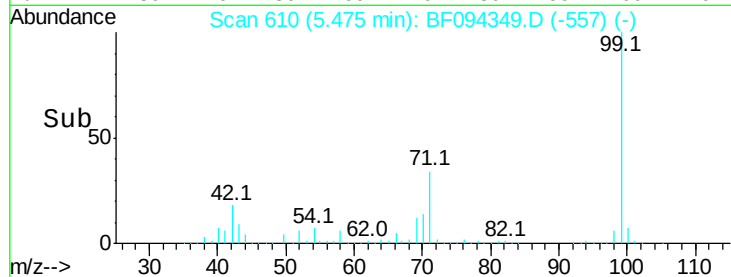
71 34.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.61 ng

RT: 5.49 min Scan# 612

Delta R.T. 0.01 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

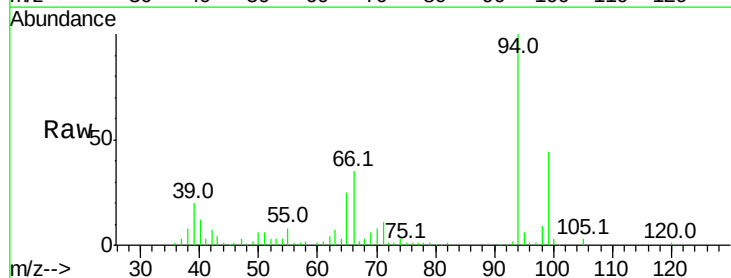
Tgt Ion: 94 Resp: 73970

Ion Ratio Lower Upper

94 100

65 25.1 9.9 49.9

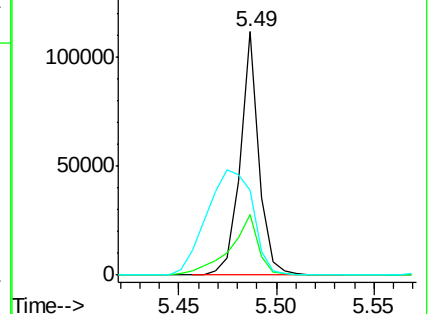
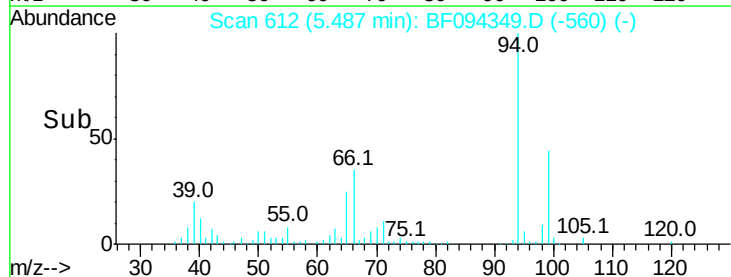
66 34.8 23.1 63.1

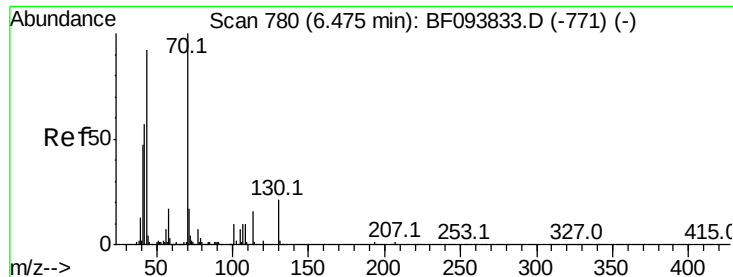


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 6.49 min Scan# 782

Delta R.T. 0.14 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 106512

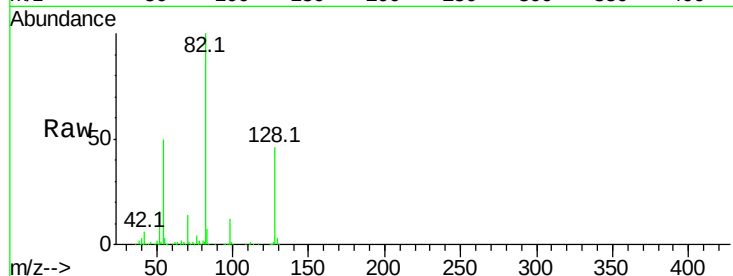
Ion Ratio Lower Upper

70 100

42 47.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

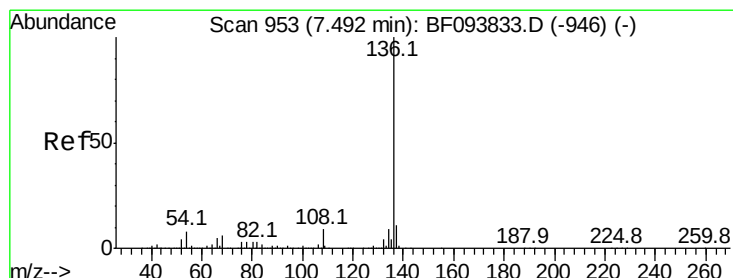
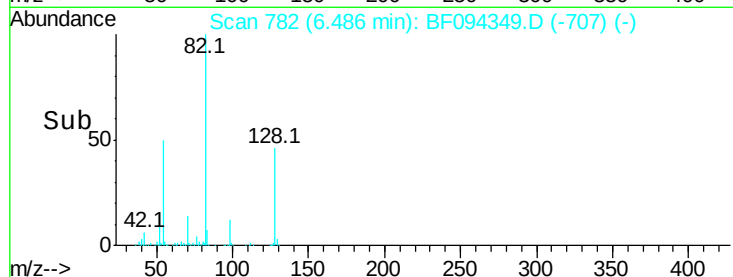
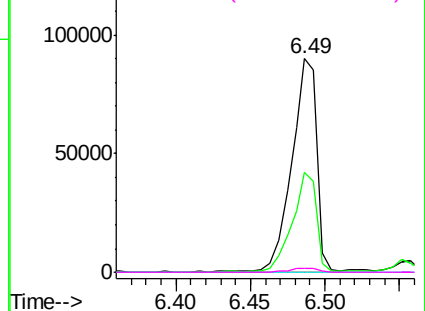


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.34 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

Tgt Ion: 136 Resp: 602094

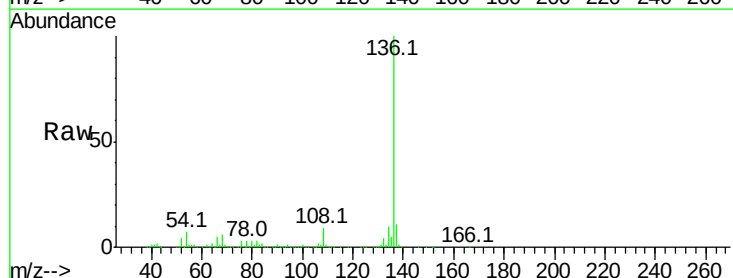
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 7.4 4.9 7.3#

68 5.9 4.1 6.1

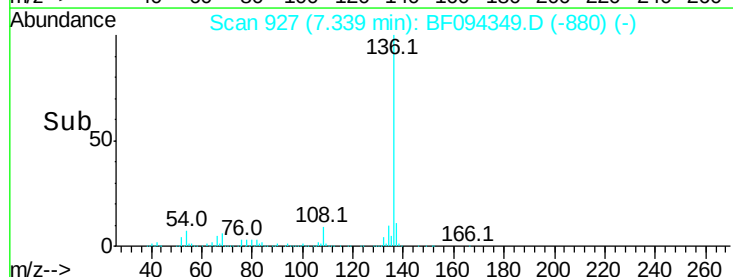
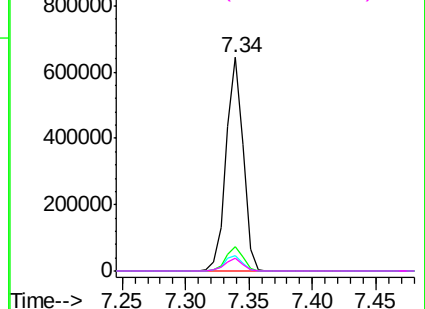


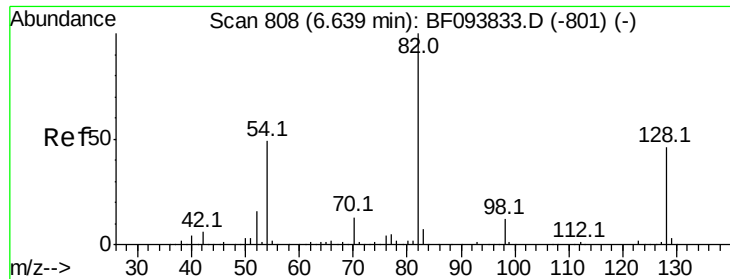
Abundance Ion 136.00 (135.70 to 136.70): E

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

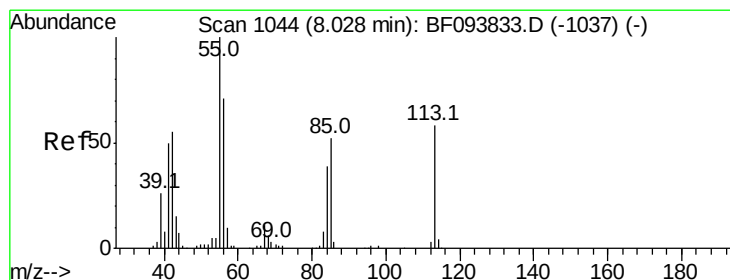
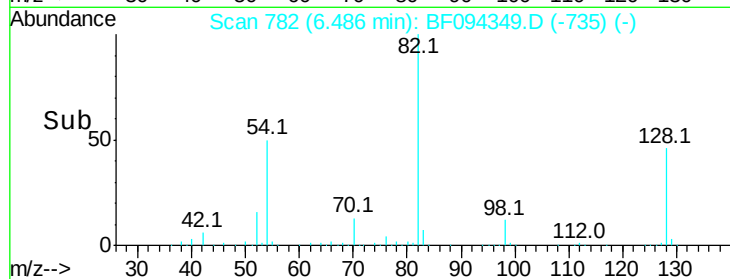
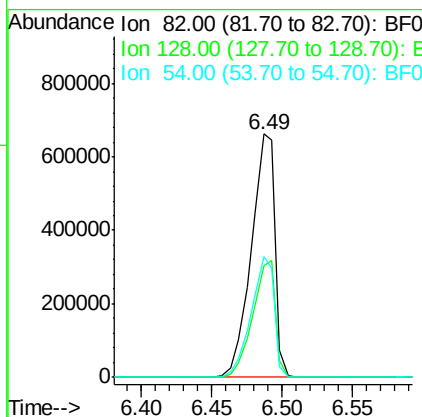
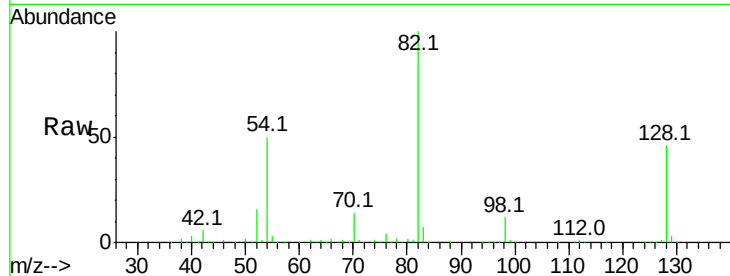




#23
 Nitrobenzene-d5
 Concen: 74.10 ng
 RT: 6.49 min Scan# 782
 Delta R.T. -0.02 min
 Lab File: BF094349.D
 Acq: 11 Apr 2017 10:07

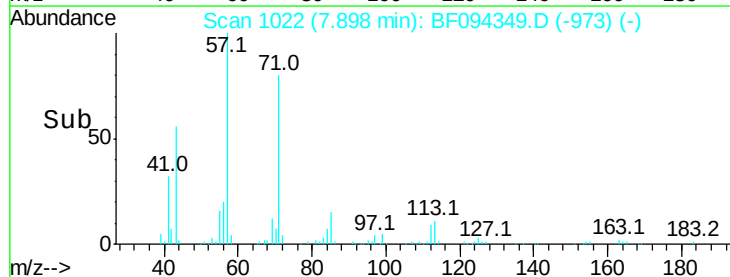
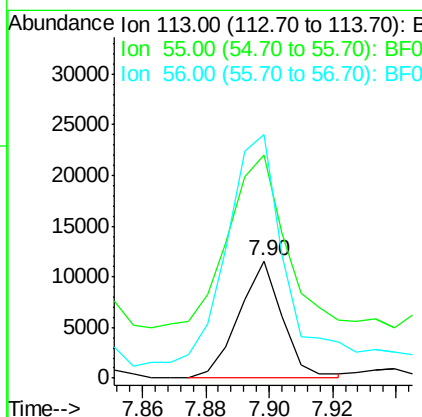
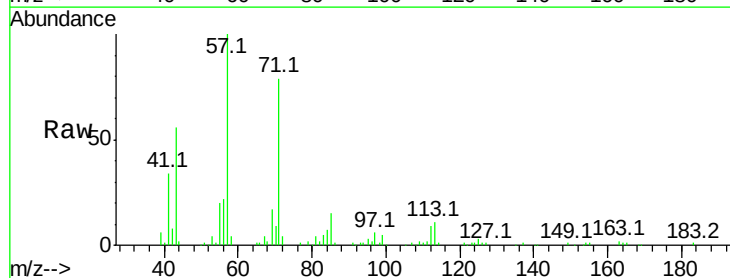
Instrument :
 BNA_F
 ClientSampleId :

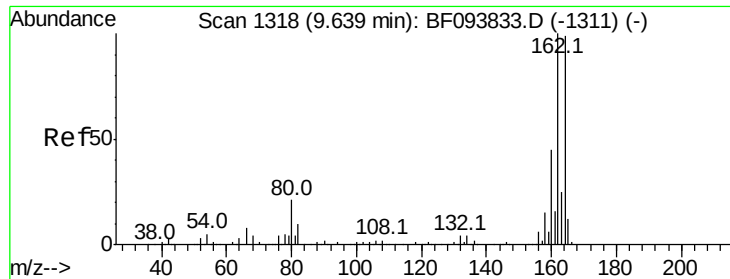
Tot Ion: 82 Resp: 781756
 Ion Ratio Lower Upper
 82 100
 128 45.9 34.0 51.0
 54 49.5 42.2 63.2



#35
 Caprolactam
 Concen: 4.34 ng
 RT: 7.90 min Scan# 1022
 Delta R.T. -0.01 min
 Lab File: BF094349.D
 Acq: 11 Apr 2017 10:07

Tgt Ion: 113 Resp: 11063
 Ion Ratio Lower Upper
 113 100
 55 189.9 150.2 190.2
 56 207.5 107.8 147.8#

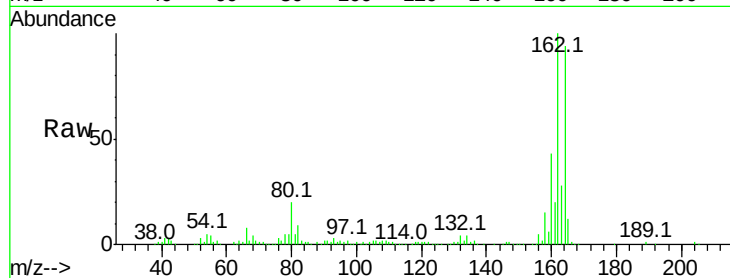




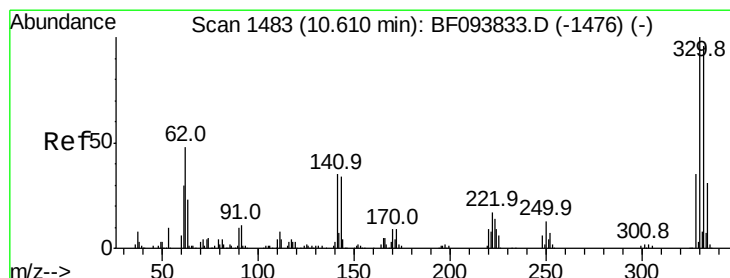
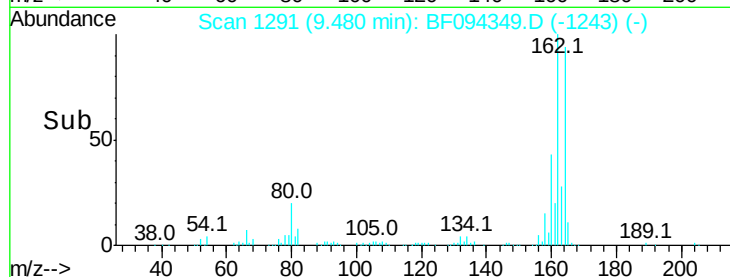
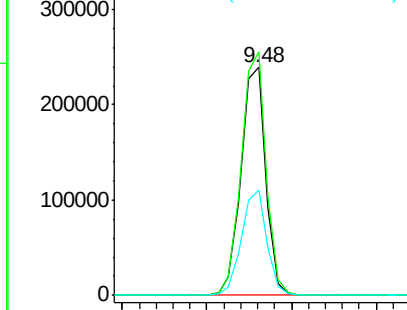
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.48 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF094349.D
 Acq: 11 Apr 2017 10:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 244666
 Ion Ratio Lower Upper
 164 100
 162 106.7 82.6 123.8
 160 46.0 36.2 54.2

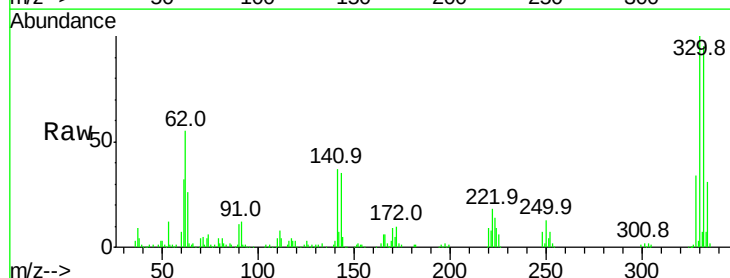


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

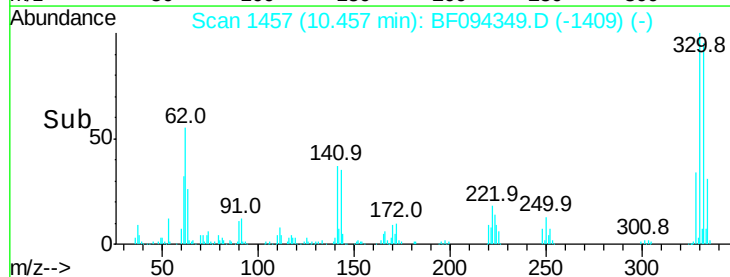
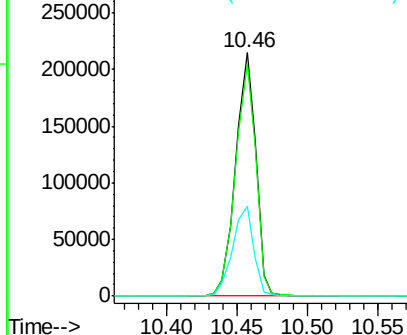


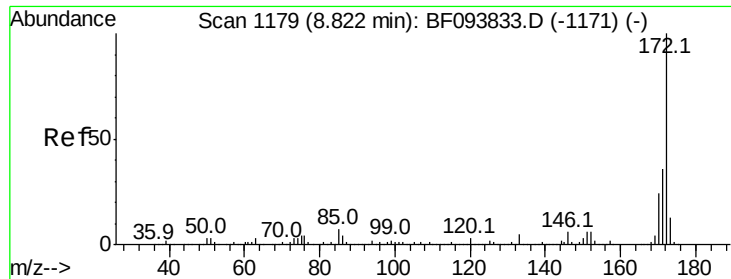
#41
 2,4,6-Tribromophenol
 Concen: 111.46 ng
 RT: 10.46 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF094349.D
 Acq: 11 Apr 2017 10:07

Tgt Ion:330 Resp: 215488
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 38.5 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

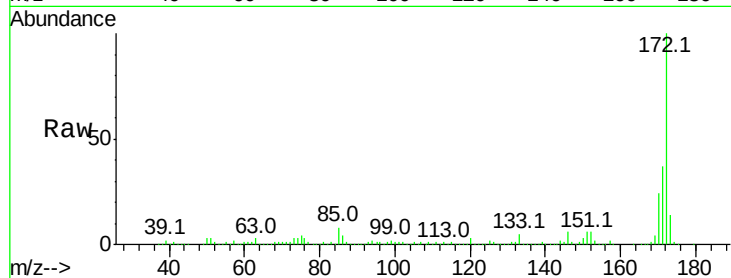




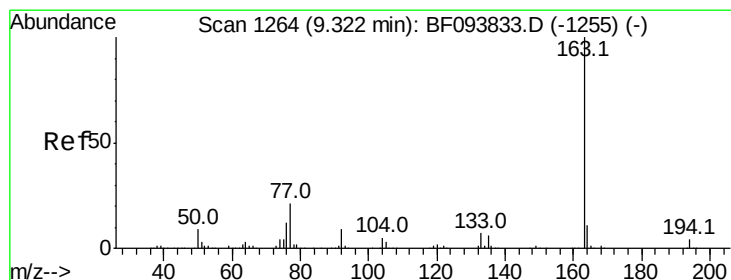
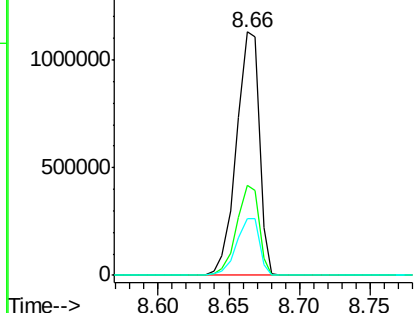
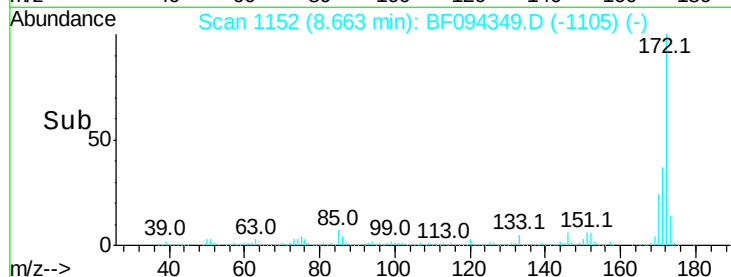
#44
2-Fluorobiphenyl
Concen: 79.83 ng
RT: 8.66 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1280524
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 23.6 19.8 29.8

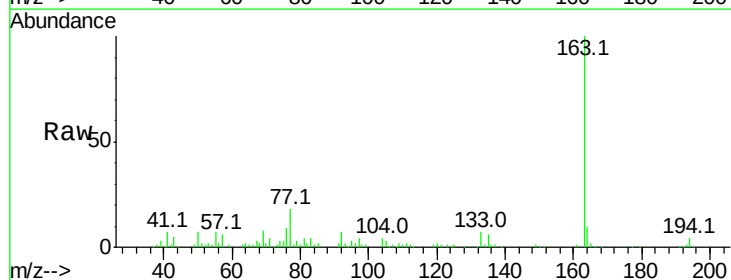


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

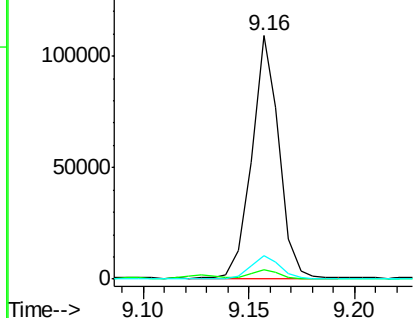
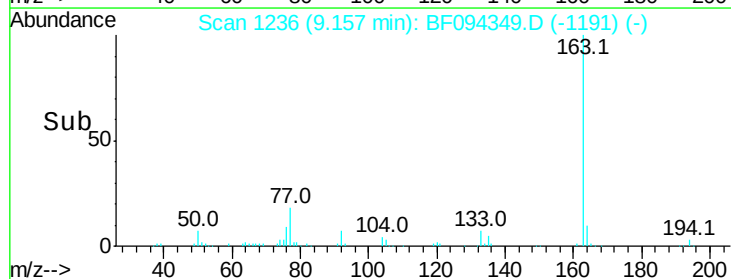


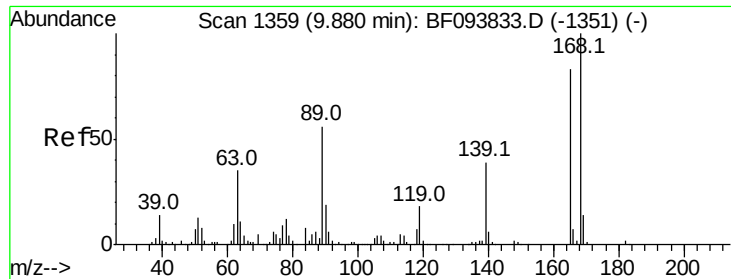
#49
Dimethylphthalate
Concen: 5.57 ng
RT: 9.16 min Scan# 1236
Delta R.T. -0.04 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Tgt Ion:163 Resp: 96817
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 9.7 8.4 12.6



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

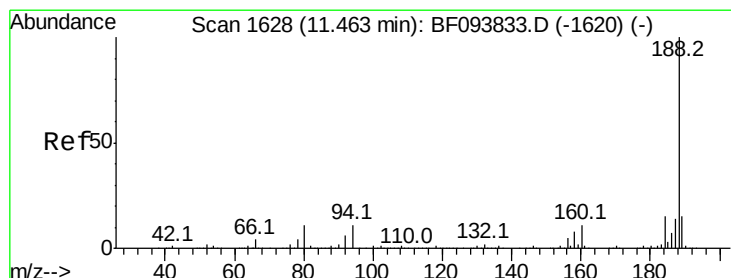
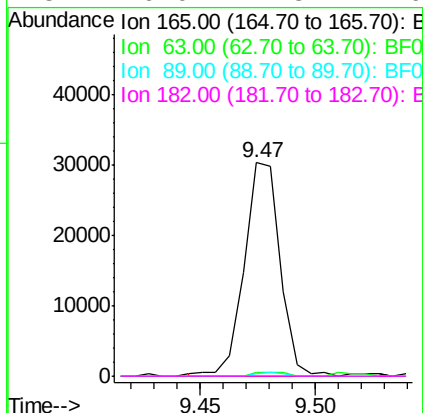
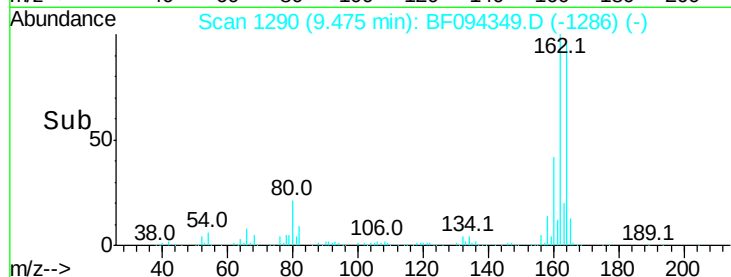
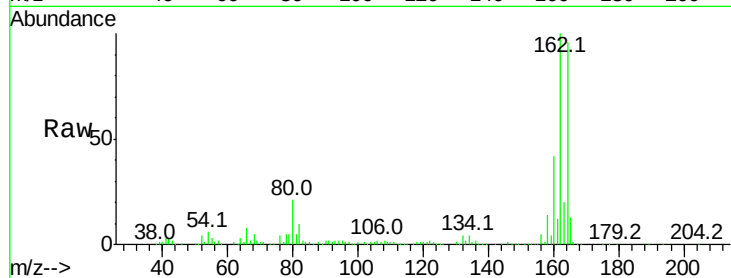




#56
 2,4-Dinitrotoluene
 Concen: 6.59 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.28 min
 Lab File: BF094349.D
 Acq: 11 Apr 2017 10:07

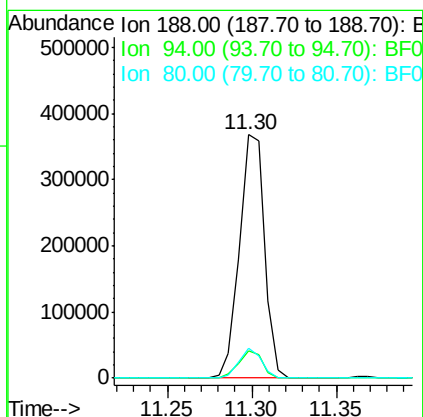
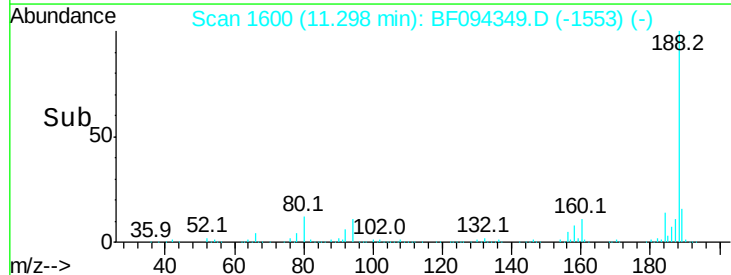
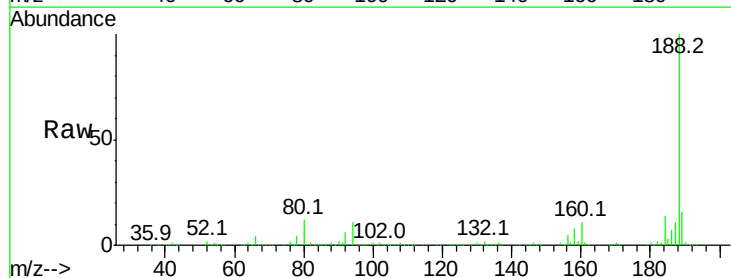
Instrument :
 BNA_F
 ClientSampleId :

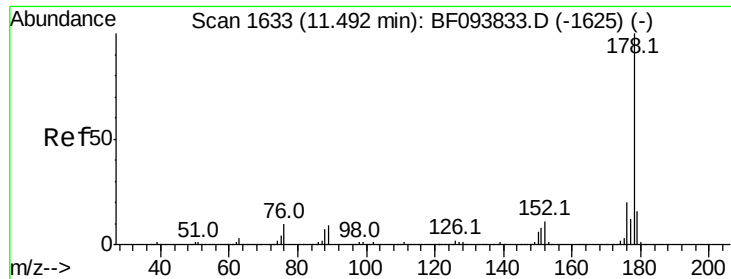
Tot Ion:	165	Resp:	32994
Ion	Ratio	Lower	Upper
165	100		
63	2.1	25.4	38.0#
89	1.3	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1600
 Delta R.T. -0.02 min
 Lab File: BF094349.D
 Acq: 11 Apr 2017 10:07

Tgt Ion:	188	Resp:	381403
Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	12.0	10.2	15.2





#70

Phenanthrene

Concen: 4.66 ng

RT: 11.33 min Scan# 1605

Delta R.T. -0.02 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

Instrument :

BNA_F

ClientSampled :

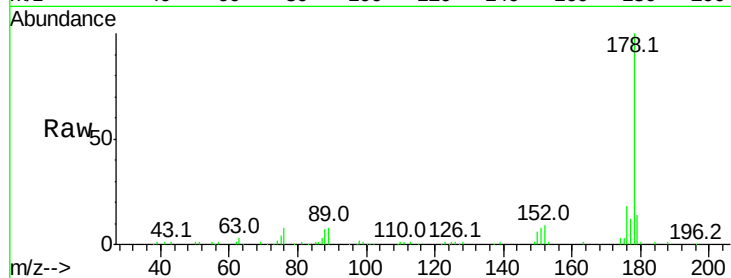
Tot Ion:178 Resp: 98832

Ion Ratio Lower Upper

178 100

176 18.2 16.2 24.4

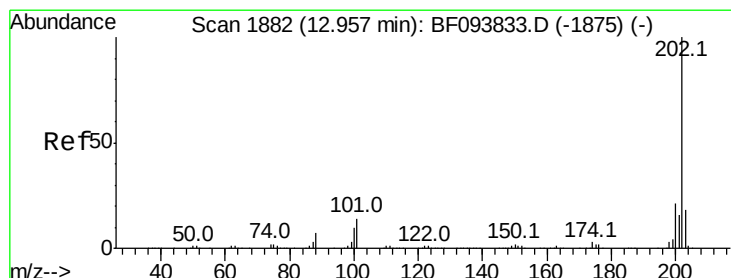
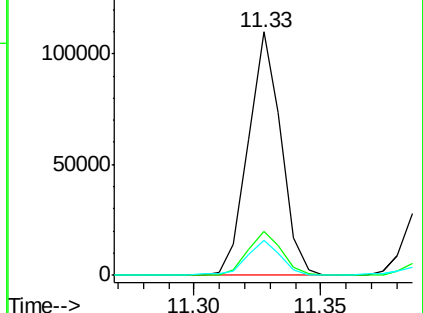
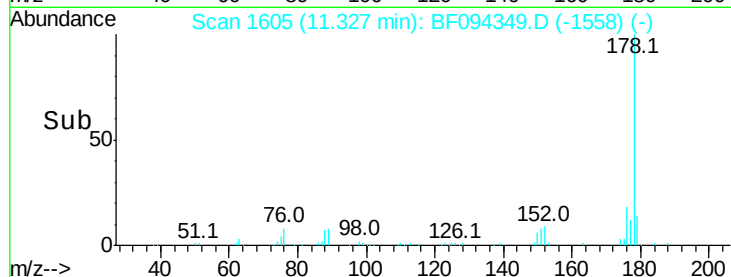
179 14.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.30 ng

RT: 12.79 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

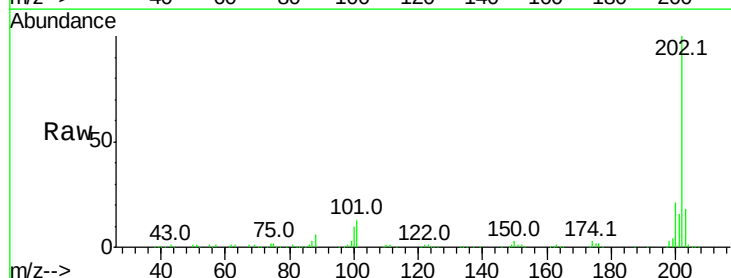
Tgt Ion:202 Resp: 180370

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

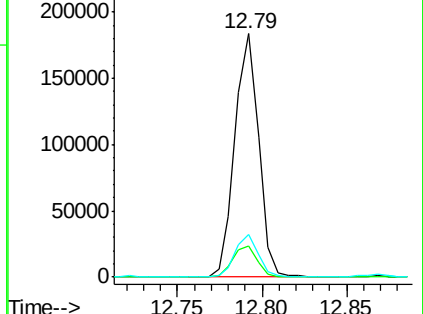
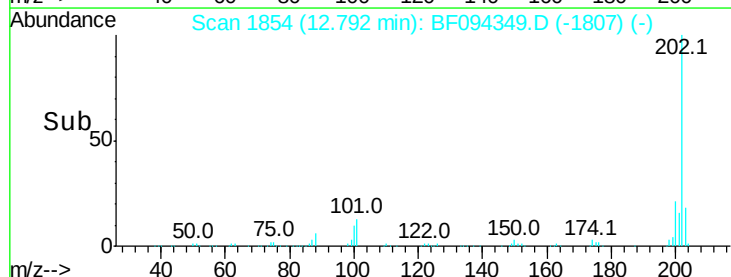
203 17.6 0.0 38.1

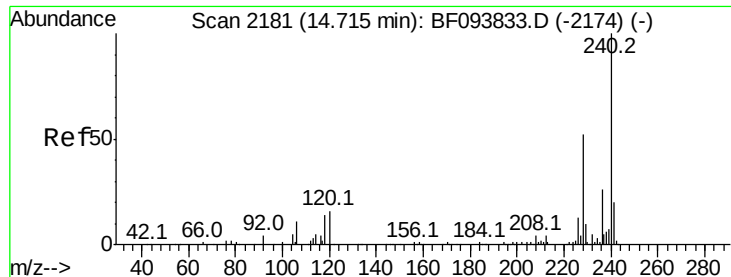


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.55 min Scan# 2153

Delta R.T. -0.02 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

Instrument :

BNA_F

ClientSampleId :

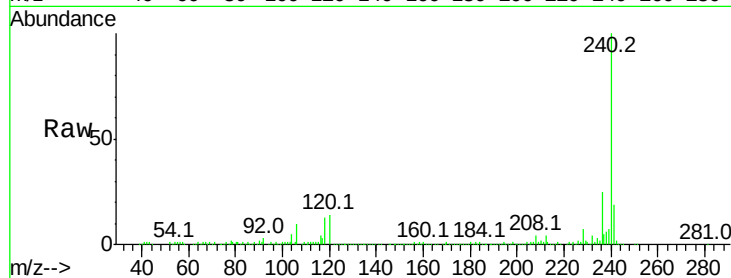
Tot Ion:240 Resp: 290985

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

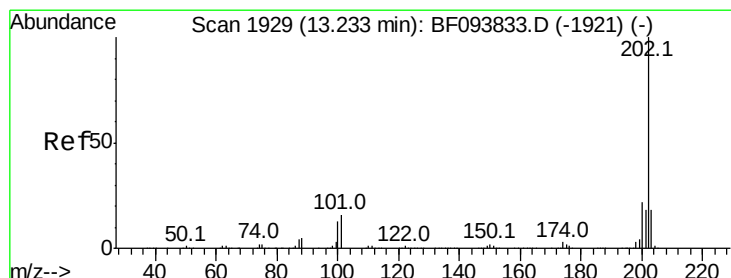
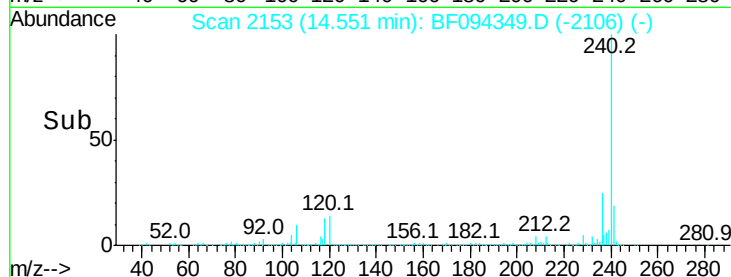
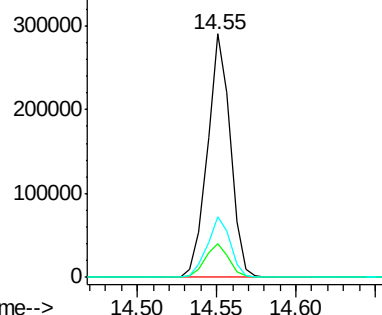
236 25.0 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.30 ng

RT: 13.07 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

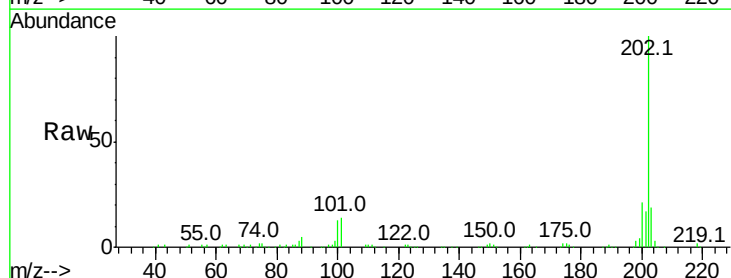
Tgt Ion:202 Resp: 154210

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

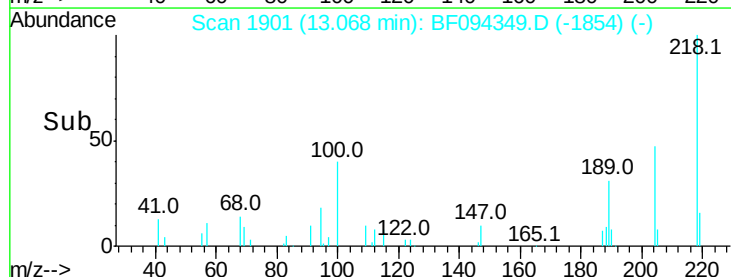
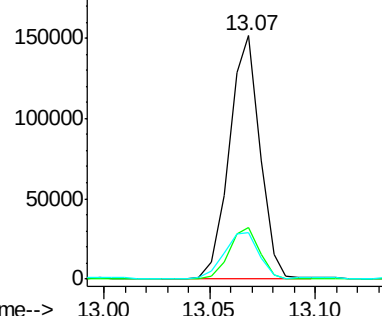
203 18.9 14.4 21.6

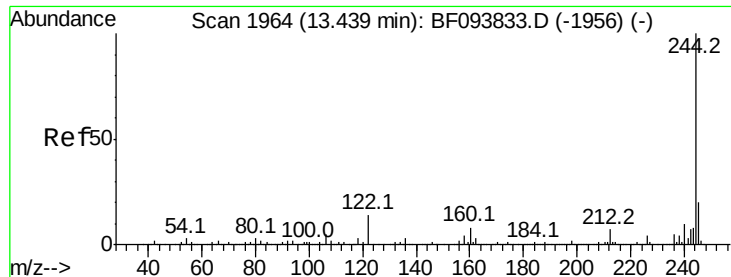


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 62.32 ng

RT: 13.28 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

Instrument :

BNA_F

ClientSampled :

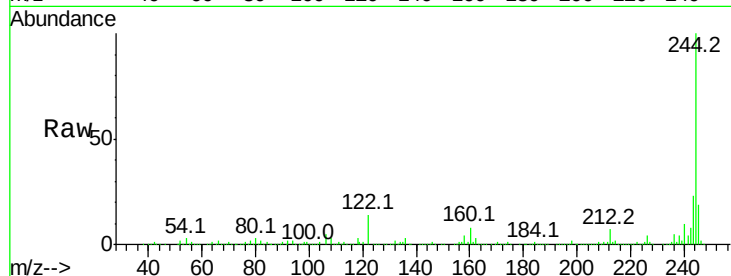
Tot Ion:244 Resp: 809008

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

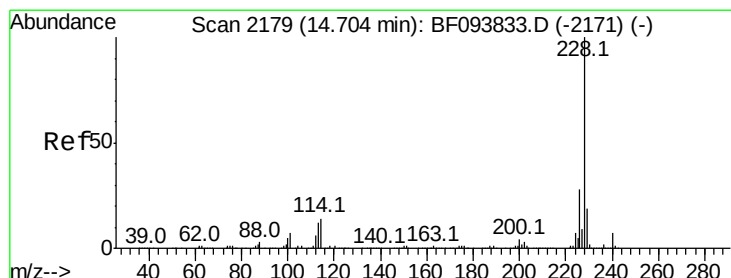
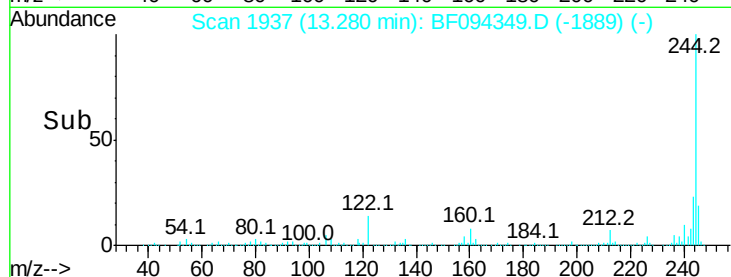
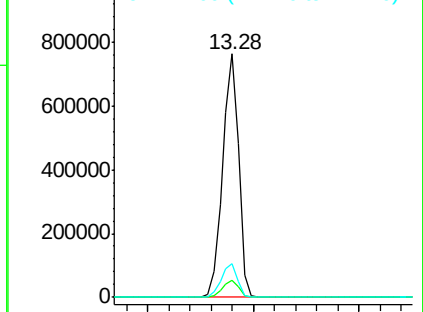
122 13.8 10.3 15.5



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: 4.71 ng

RT: 14.54 min Scan# 2151

Delta R.T. -0.02 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

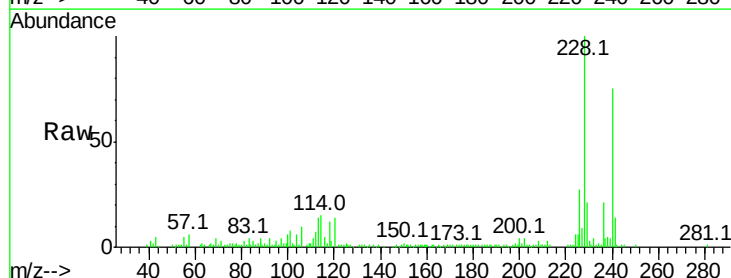
Tgt Ion:228 Resp: 79988

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

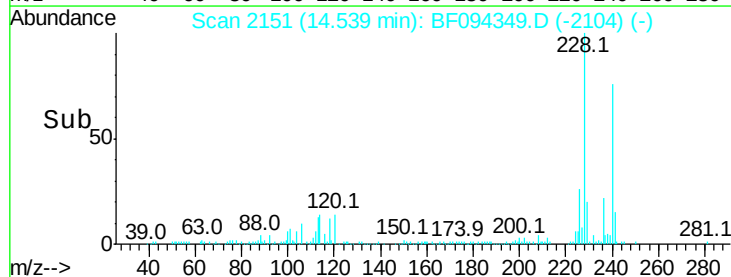
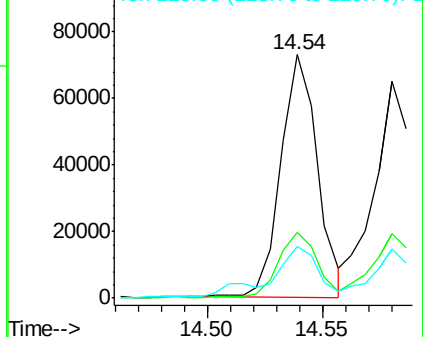
229 21.3 16.3 24.5

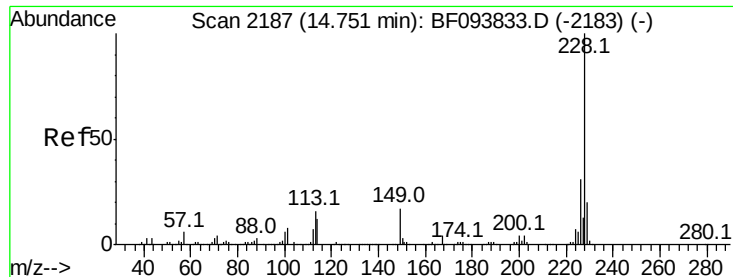


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.68 ng

RT: 14.58 min Scan# 2158

Delta R.T. -0.03 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

Instrument :

BNA_F

ClientSampled :

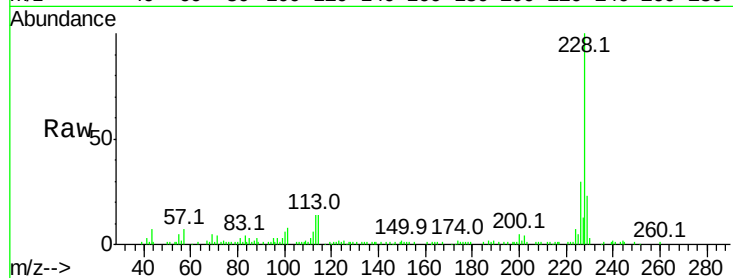
Tot Ion:228 Resp: 73676

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

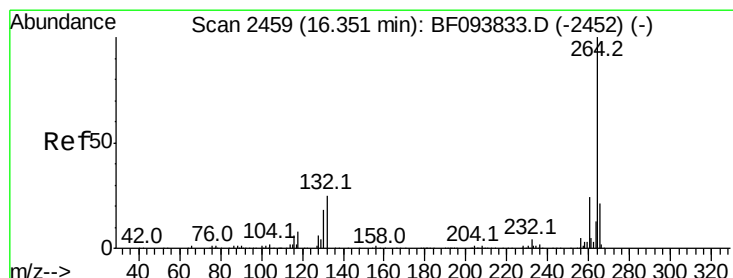
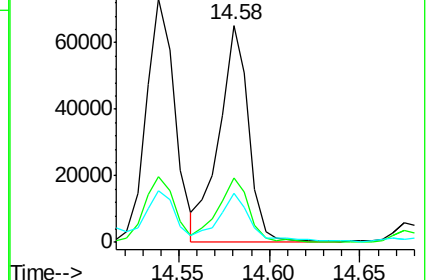
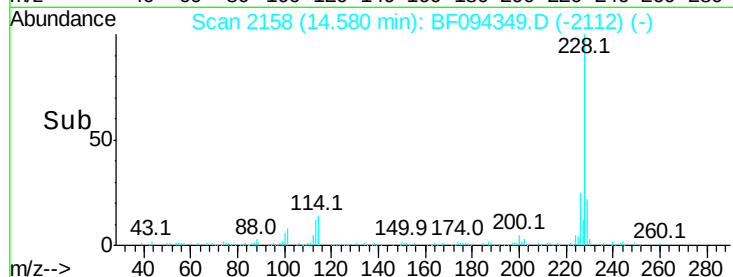
229 22.8 15.8 23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.18 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

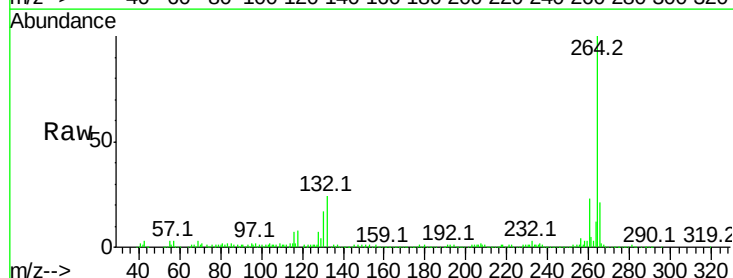
Tgt Ion:264 Resp: 232226

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

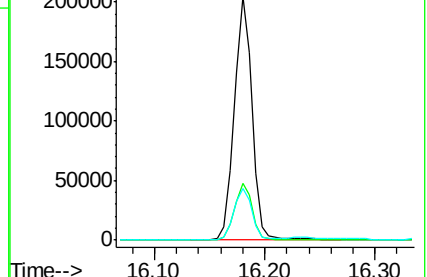
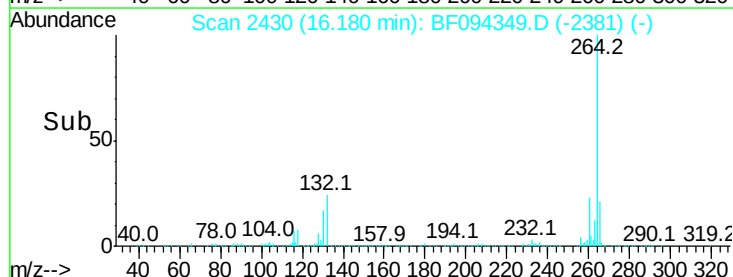
265 21.5 17.2 25.8

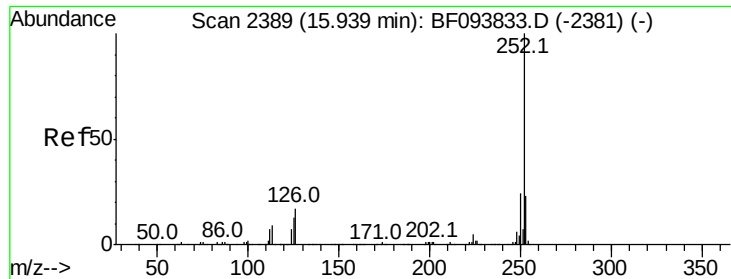


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.27 ng

RT: 15.77 min Scan# 2361

Delta R.T. -0.02 min

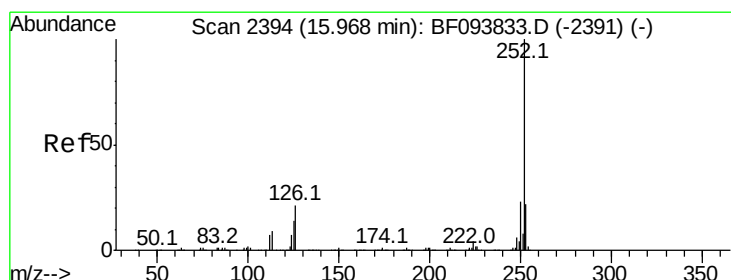
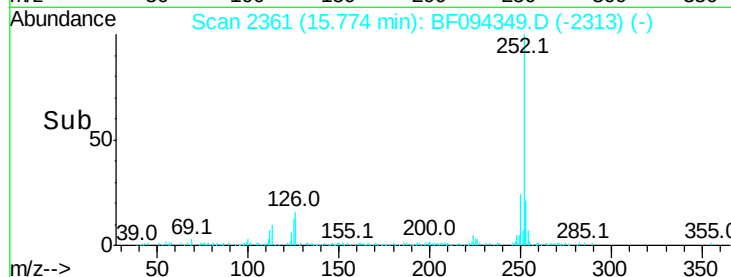
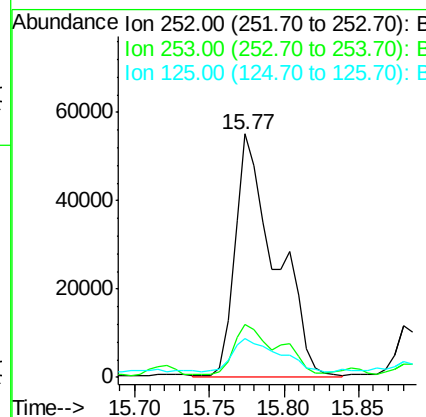
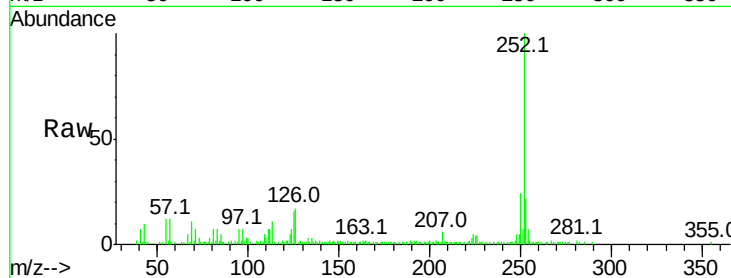
Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 103531

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	16.0	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 7.43 ng

RT: 15.77 min Scan# 2361

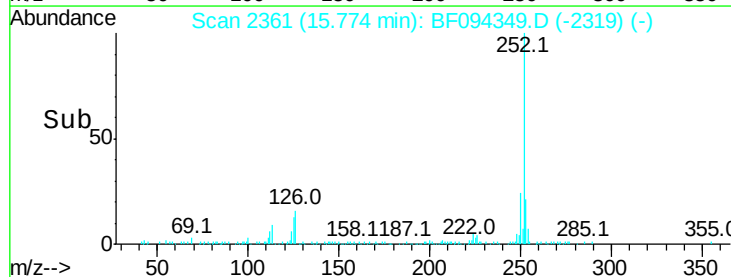
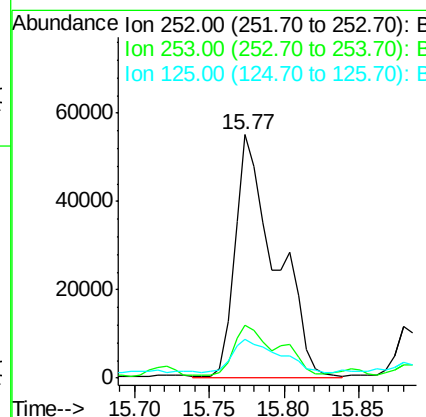
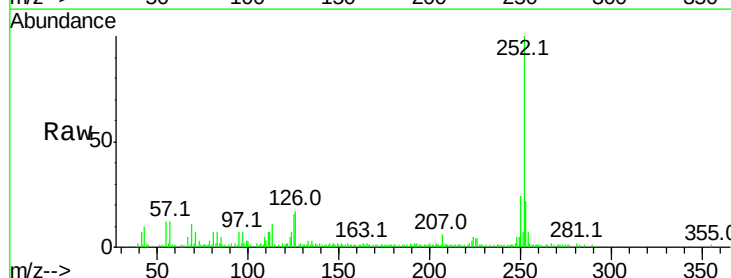
Delta R.T. -0.05 min

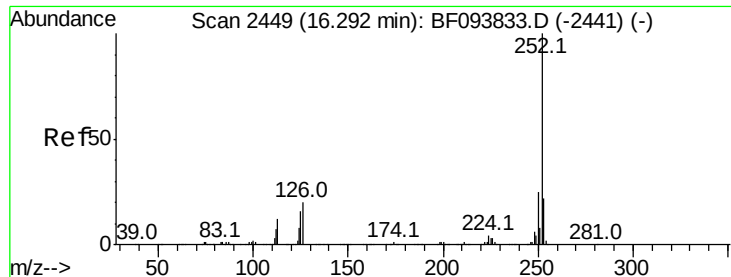
Lab File: BF094349.D

Acq: 11 Apr 2017 10:07

Tgt Ion:252 Resp: 103531

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	16.0	13.1	19.7

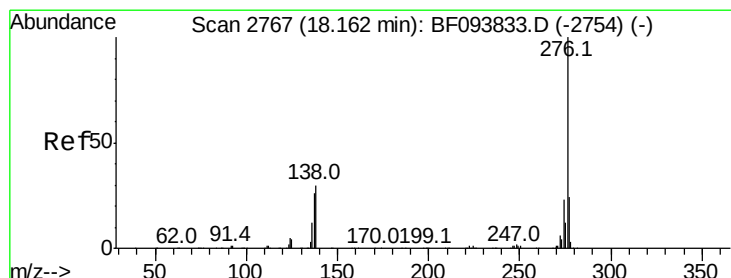
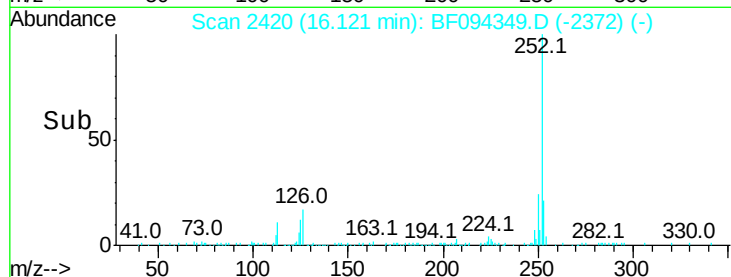
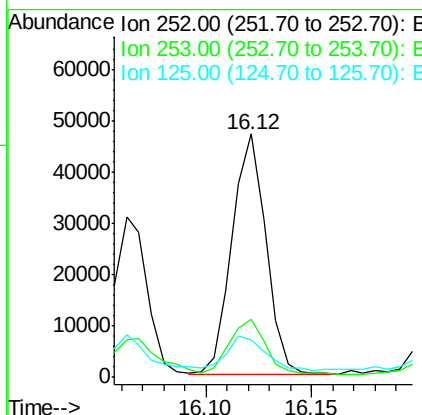
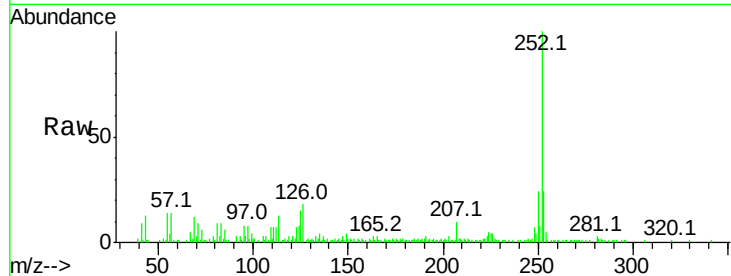




#89
Benzo(a)pyrene
Concen: 3.98 ng
RT: 16.12 min Scan# 2420
Delta R.T. -0.02 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 52171
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 15.3 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 2.28 ng
RT: 17.88 min Scan# 2719
Delta R.T. -0.03 min
Lab File: BF094349.D
Acq: 11 Apr 2017 10:07

Tgt Ion:276 Resp: 25560
Ion Ratio Lower Upper
276 100
277 28.7 18.6 28.0#
138 35.6 25.4 38.0

