

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094038.D
 Acq On : 30 Mar 2017 00:18
 Operator : SJ/MA
 Sample : I2443-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB10-BASE

Quant Time: Mar 30 01:13:24 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

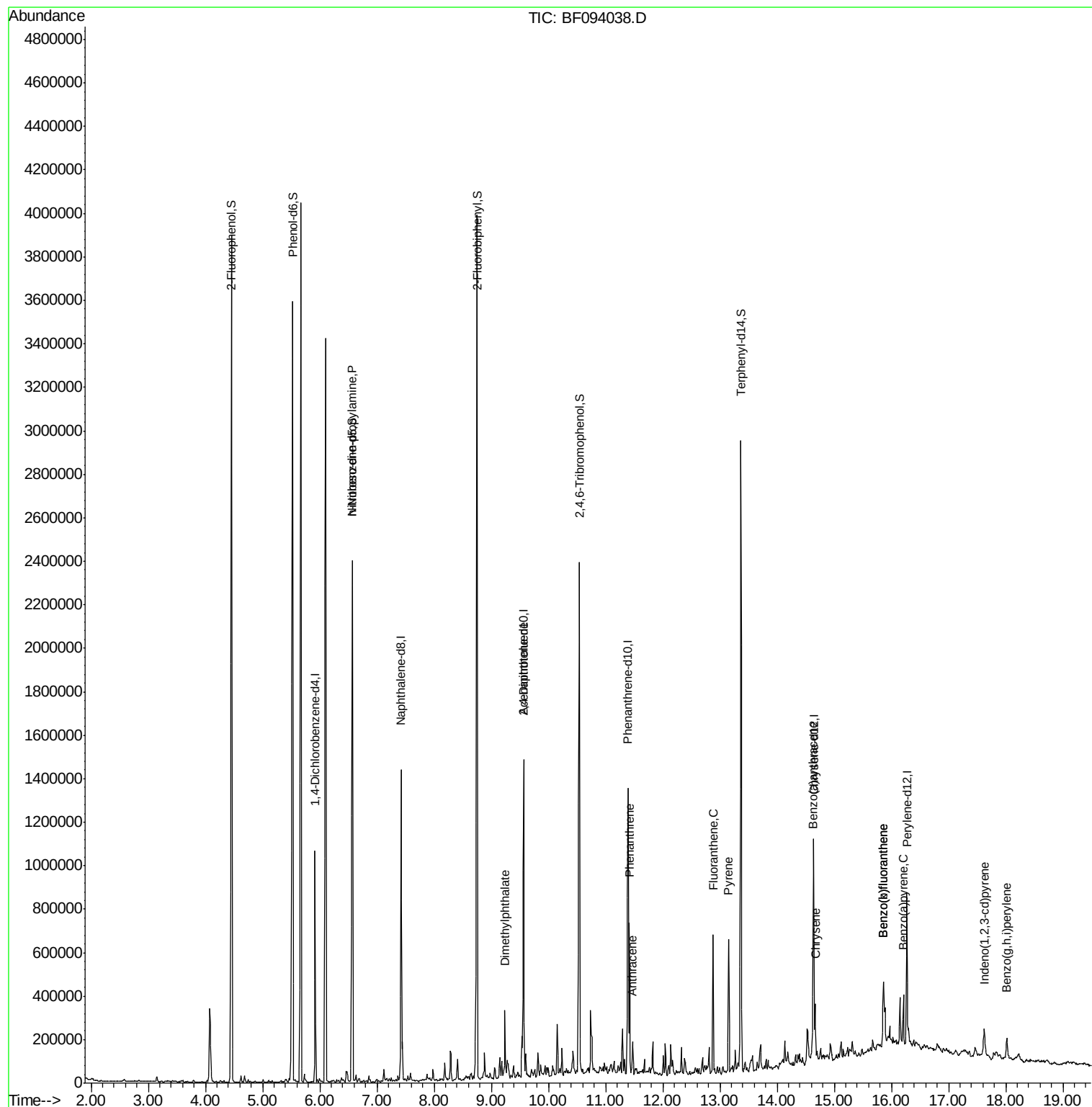
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	175717	20.00	ng	-0.04
21) Naphthalene-d8	7.42	136	703647	20.00	ng	-0.04
38) Acenaphthene-d10	9.56	164	304042	20.00	ng	-0.04
63) Phenanthrene-d10	11.39	188	510287	20.00	ng	-0.04
75) Chrysene-d12	14.64	240	347965	20.00	ng	-0.04
86) Perylene-d12	16.27	264	288392	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	1366911	131.39	ng	-0.02
7) Phenol-d6	5.53	99	1752542	136.17	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1105756	89.68	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	325751	135.58	ng	-0.04
44) 2-Fluorobiphenyl	8.75	172	1625653	81.55	ng	-0.03
78) Terphenyl-d14	13.37	244	1061738	68.39	ng	-0.04
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.57	70	149047	18.02	ng	# 78
49) Dimethylphthalate	9.24	163	131359	6.08	ng	100
56) 2,4-Dinitrotoluene	9.56	165	40724	6.54	ng	# 33
70) Phenanthrene	11.42	178	270169	9.52	ng	98
71) Anthracene	11.47	178	61910	2.12	ng	97
74) Fluoranthene	12.88	202	282574	9.72	ng	96
77) Pyrene	13.16	202	269005	10.65	ng	98
80) Benzo(a)anthracene	14.63	228	114638	5.65	ng	97
82) Chrysene	14.67	228	113145	6.01	ng	97
85) Indeno(1,2,3-cd)pyrene	17.62	276	70692	4.33	ng	97
87) Benzo(b)fluoranthene	15.86	252	220450	12.47	ng	98
88) Benzo(k)fluoranthene	15.86	252	220450	12.75	ng	97
89) Benzo(a)pyrene	16.21	252	101707	6.25	ng	98
91) Benzo(a,h,i)perylene	18.02	276	66735	4.80	ng	97

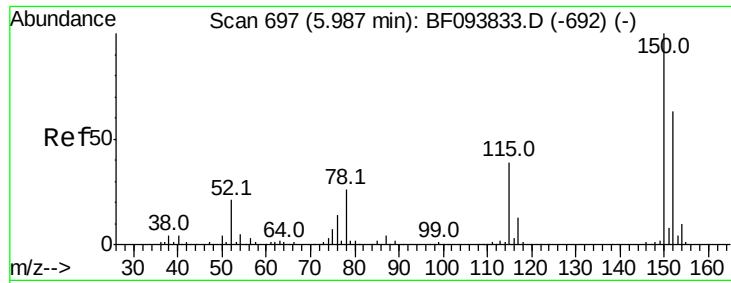
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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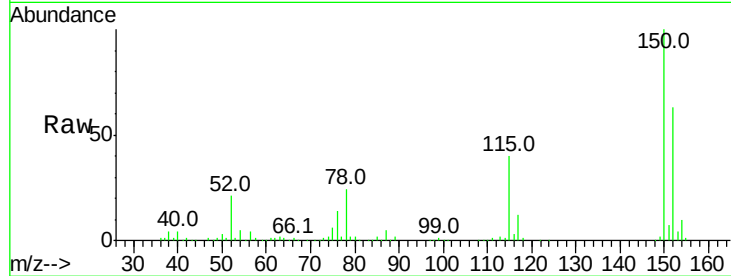


#1

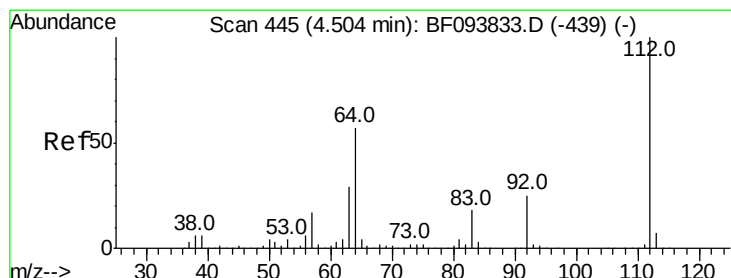
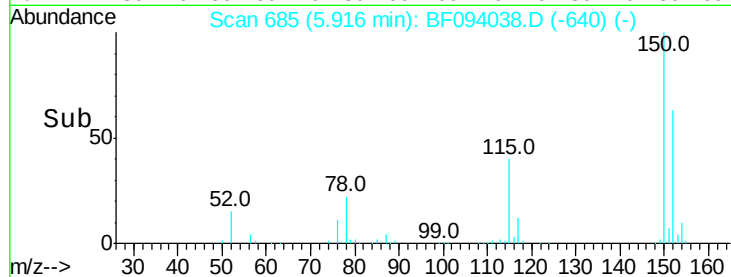
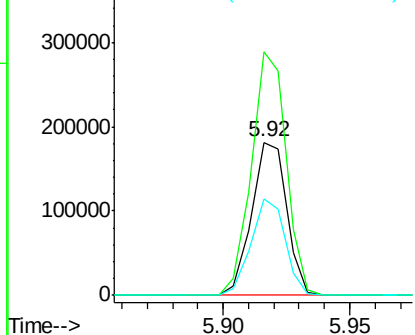
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.92 min Scan# 685
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Instrument :
BNA_F
ClientSampleId :
E2-BB10-BASE

Tot Ion:152 Resp: 175717
Ion Ratio Lower Upper
152 100
150 159.4 126.2 189.2
115 63.5 52.2 78.2



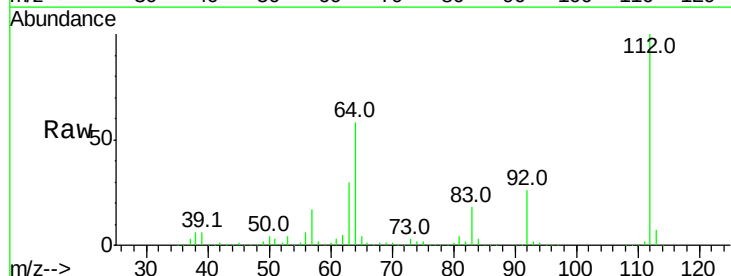
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



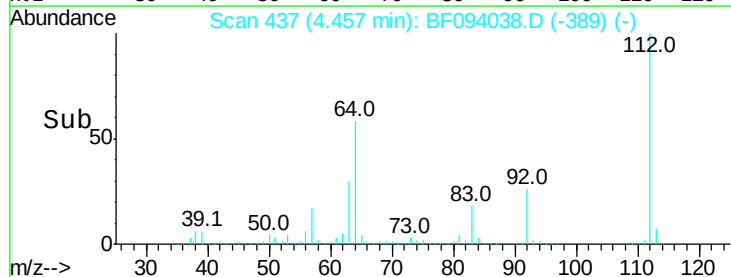
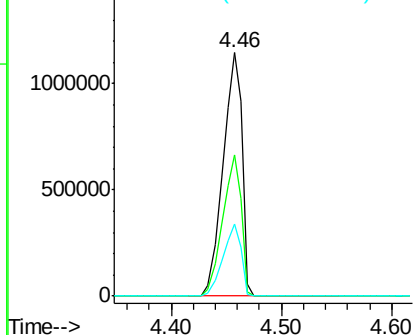
#5

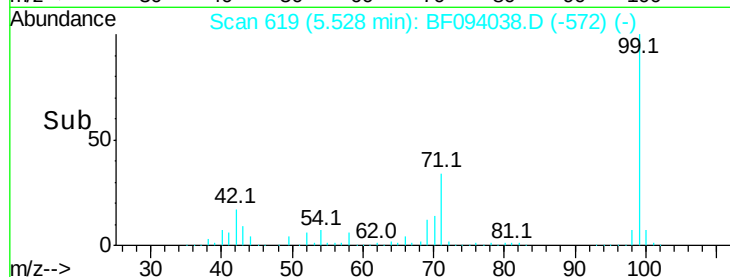
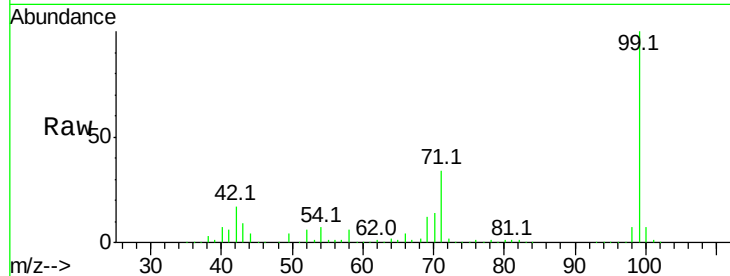
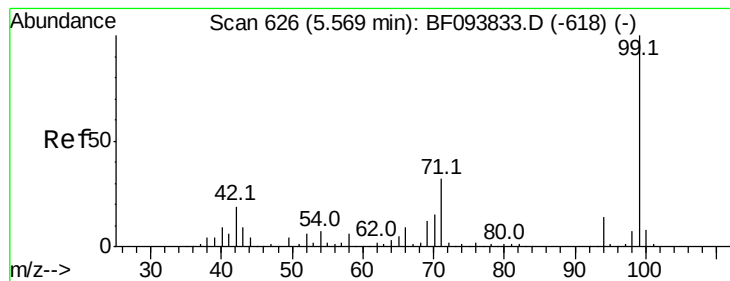
2-Fluorophenol
Concen: 131.39 ng
RT: 4.46 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Tgt Ion:112 Resp: 1366911
Ion Ratio Lower Upper
112 100
64 57.8 46.0 69.0
63 29.9 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: 136.17 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

Instrument :

BNA_F

ClientSampleId :

E2-BB10-BASE

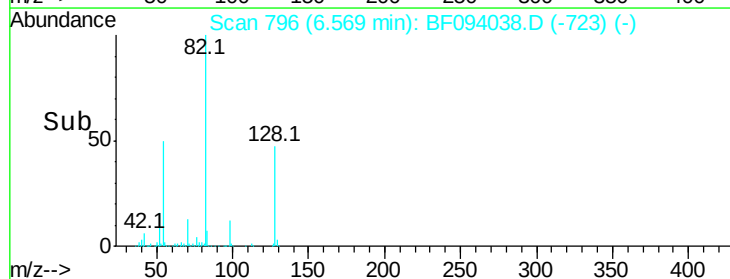
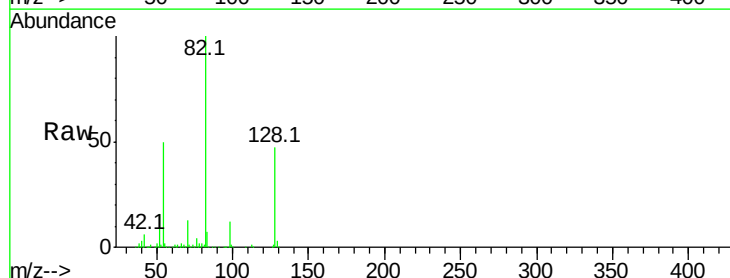
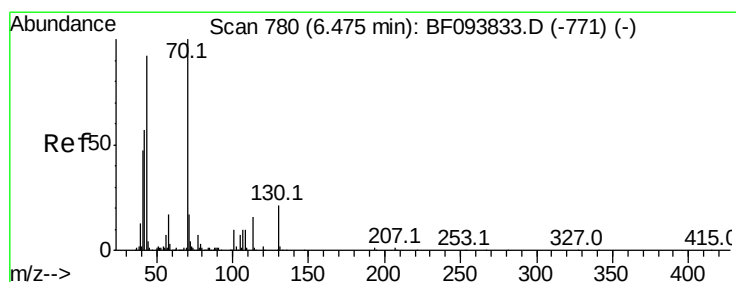
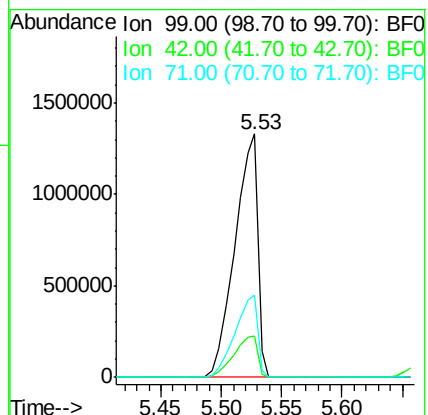
Tot Ion: 99 Resp: 1752542

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

71 33.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 18.02 ng

RT: 6.57 min Scan# 796

Delta R.T. 0.13 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

Tgt Ion: 70 Resp: 149047

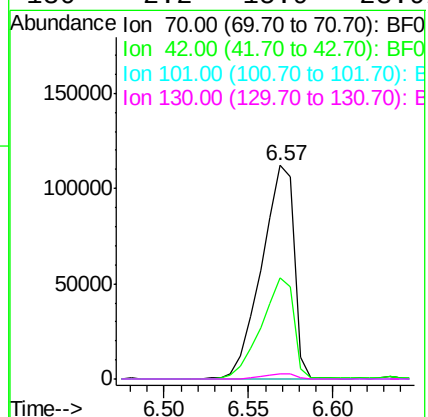
Ion Ratio Lower Upper

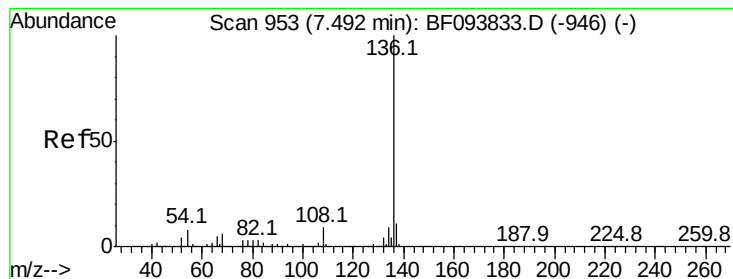
70 100

42 47.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.42 min Scan# 941

Delta R.T. -0.04 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

Instrument :

BNA_F

ClientSampleId :

E2-BB10-BASE

Tot Ion:136 Resp: 703647

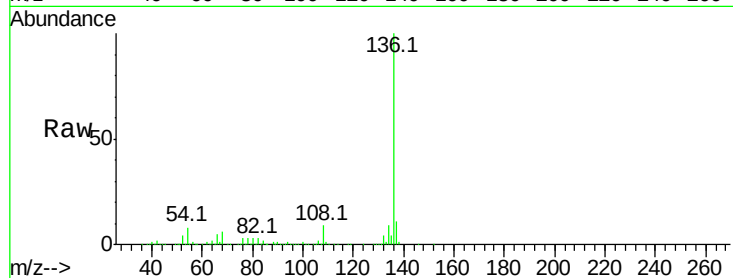
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.6 4.9 7.3#

68 6.0 4.1 6.1

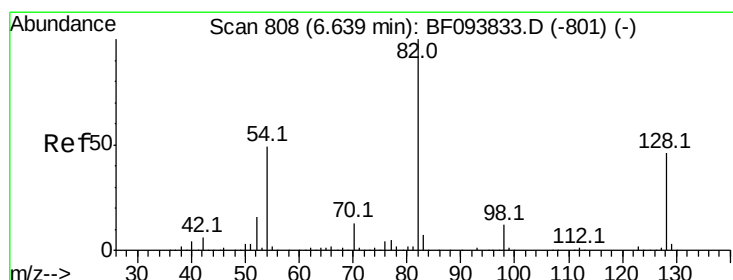
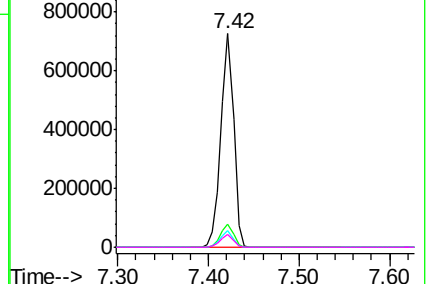
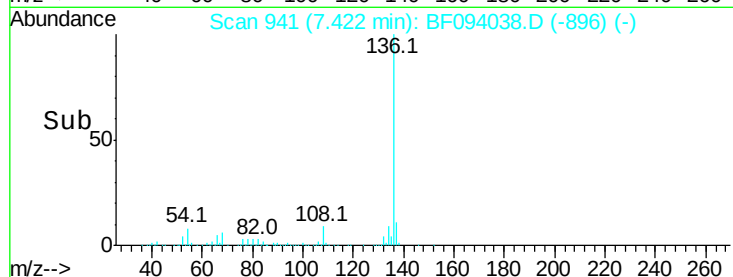


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.68 ng

RT: 6.57 min Scan# 796

Delta R.T. -0.04 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

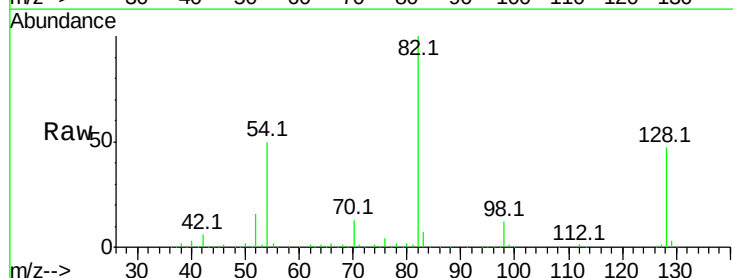
Tgt Ion: 82 Resp: 1105756

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

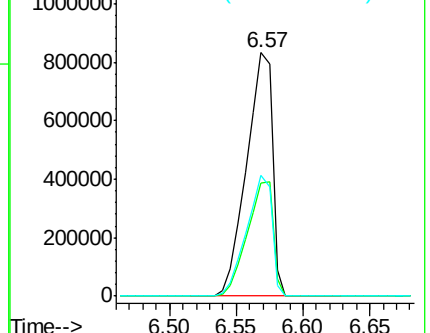
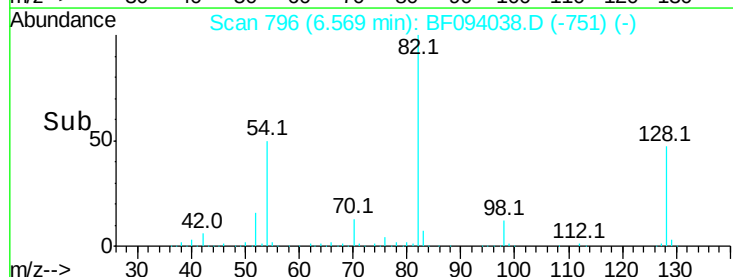
54 49.6 42.2 63.2

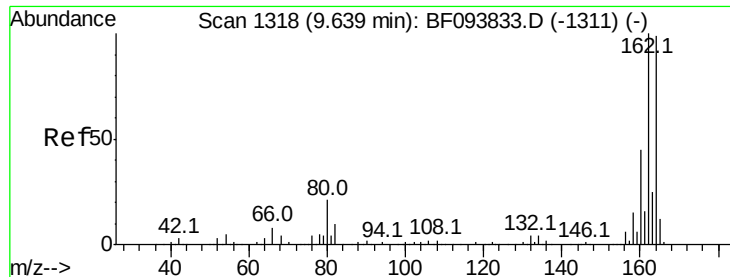


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

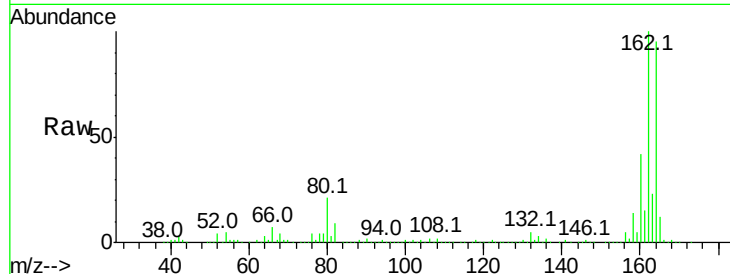




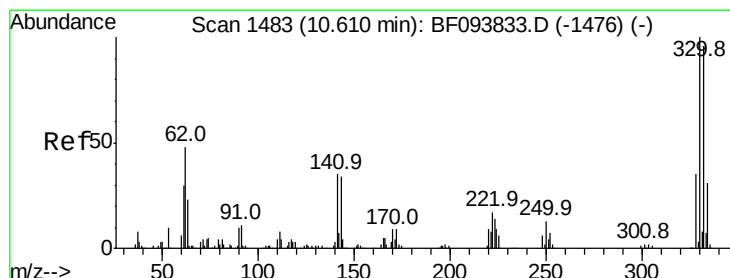
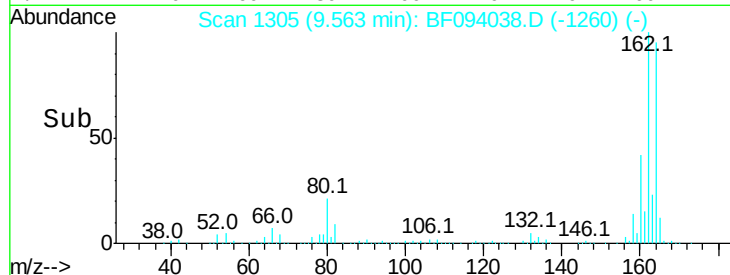
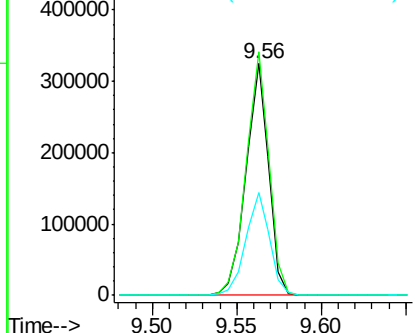
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 1305
 Delta R.T. -0.04 min
 Lab File: BF094038.D
 Acq: 30 Mar 2017 00:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB10-BASE

Tot Ion:164 Resp: 304042
 Ion Ratio Lower Upper
 164 100
 162 105.1 82.6 123.8
 160 44.5 36.2 54.2

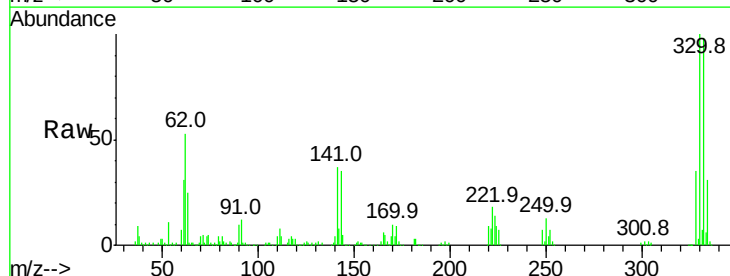


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

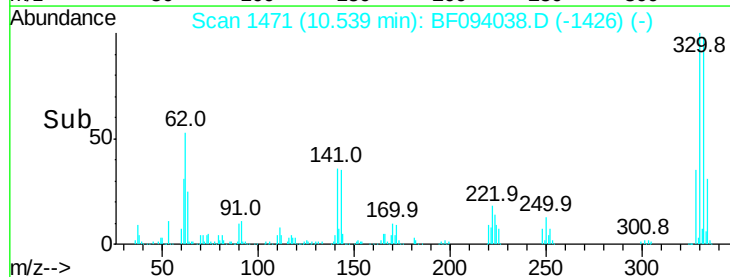
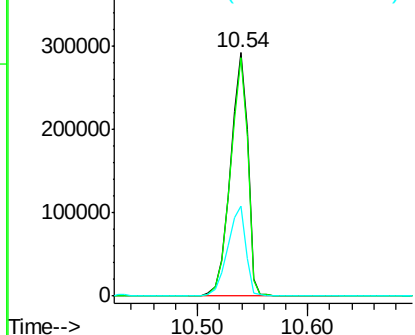


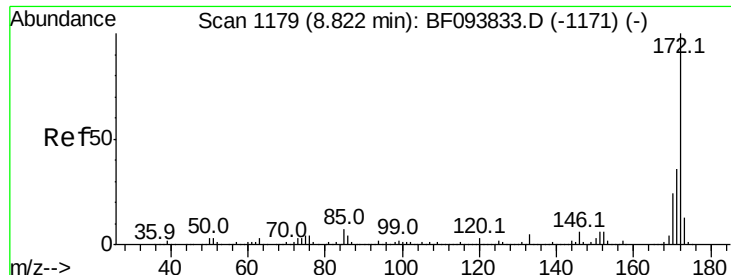
#41
 2,4,6-Tribromophenol
 Concen: 135.58 ng
 RT: 10.54 min Scan# 1471
 Delta R.T. -0.04 min
 Lab File: BF094038.D
 Acq: 30 Mar 2017 00:18

Tgt Ion:330 Resp: 325751
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 37.8 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

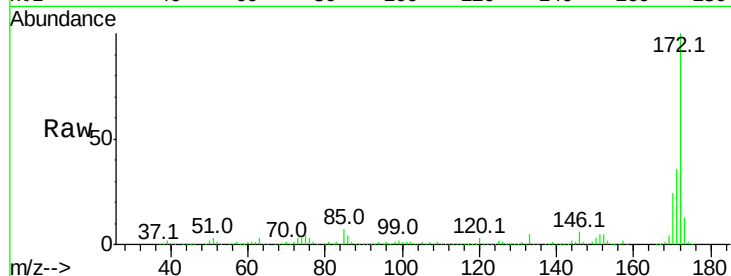




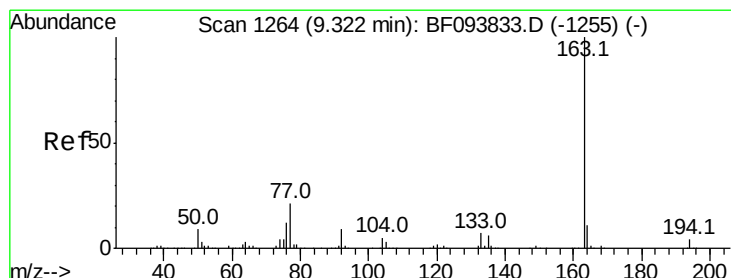
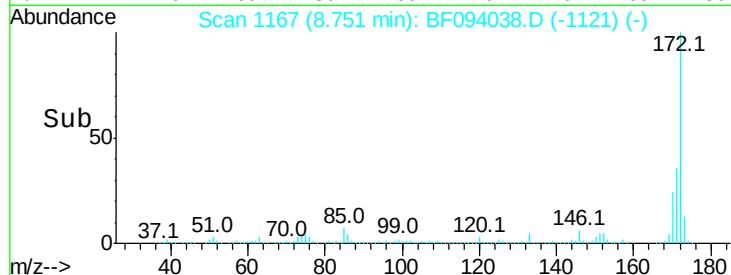
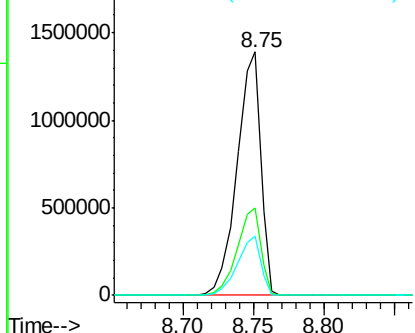
#44
2-Fluorobiphenyl
Concen: 81.55 ng
RT: 8.75 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Instrument :
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ClientSampleId :
E2-BB10-BASE

Tot Ion:172 Resp: 1625653
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 24.3 19.8 29.8

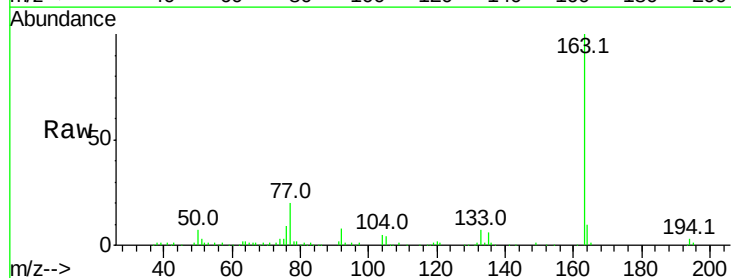


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

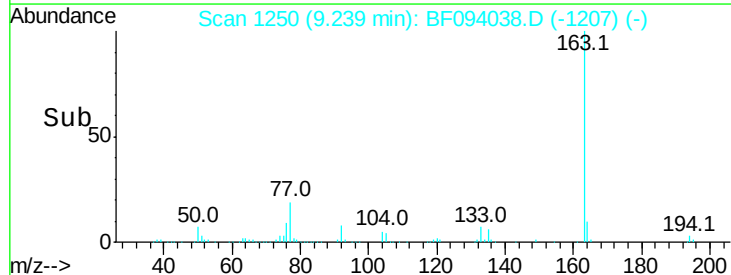
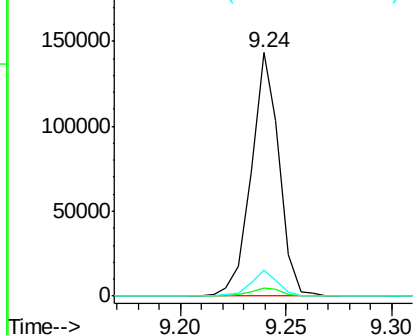


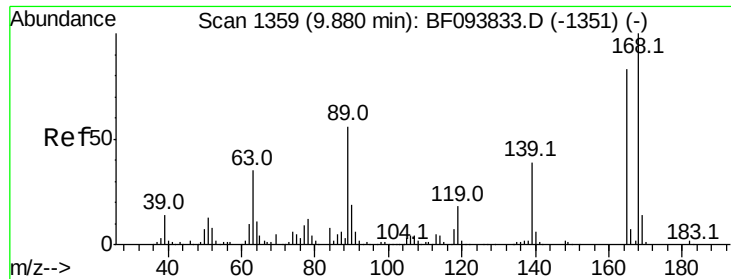
#49
Dimethylphthalate
Concen: 6.08 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.05 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Tgt Ion:163 Resp: 131359
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.5 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

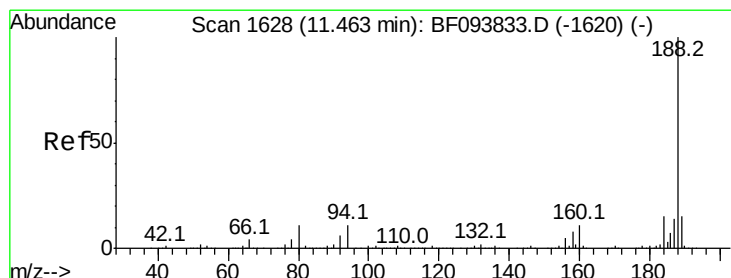
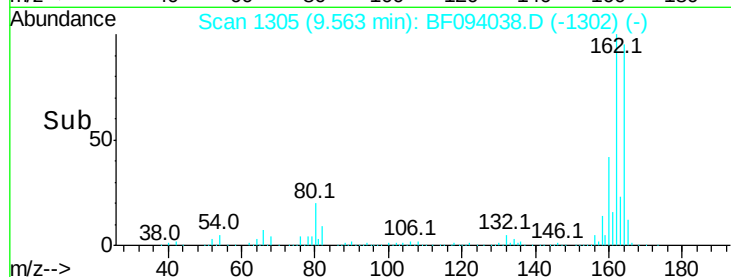
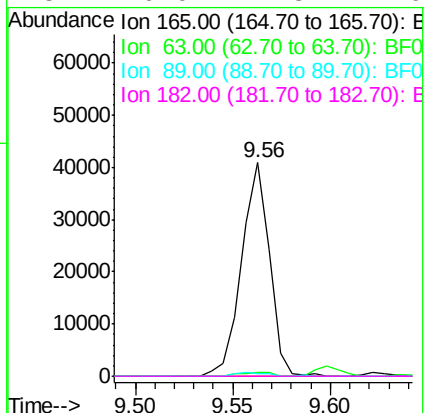
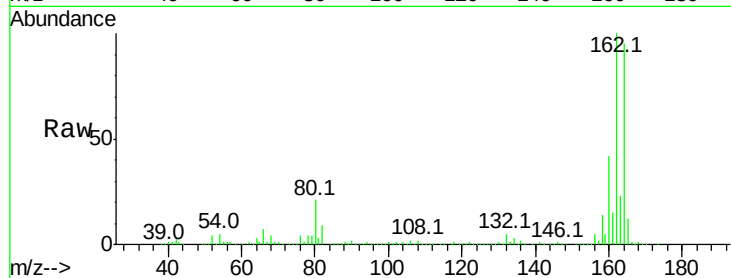




#56
 2,4-Dinitrotoluene
 Concen: 6.54 ng
 RT: 9.56 min Scan# 1305
 Delta R.T. -0.28 min
 Lab File: BF094038.D
 Acq: 30 Mar 2017 00:18

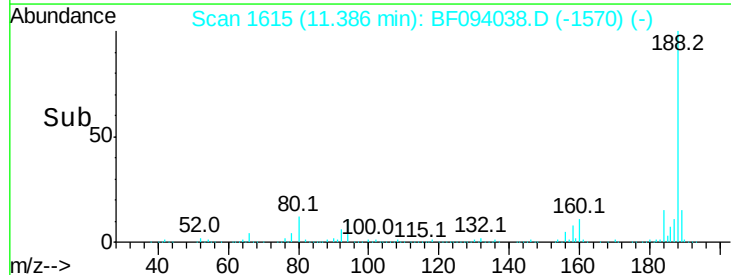
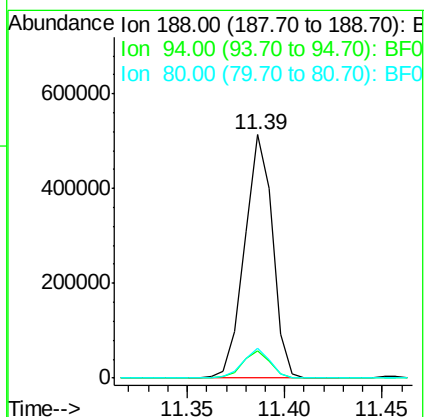
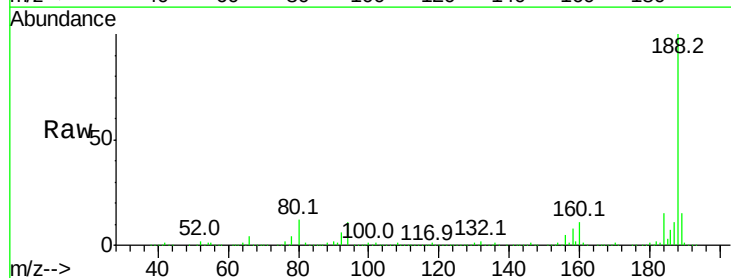
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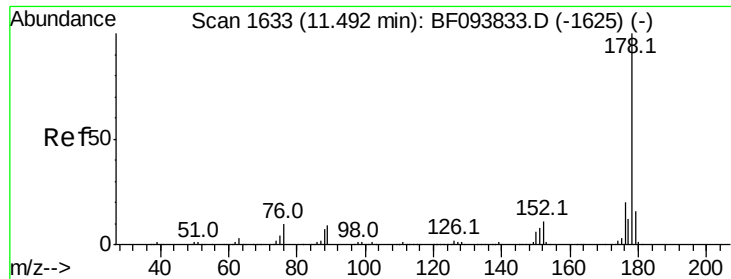
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	1.3	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1615
 Delta R.T. -0.04 min
 Lab File: BF094038.D
 Acq: 30 Mar 2017 00:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	12.4	10.2	15.2





#70

Phenanthrene

Concen: 9.52 ng

RT: 11.42 min Scan# 1620

Delta R.T. -0.04 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

Instrument :

BNA_F

ClientSampleId :

E2-BB10-BASE

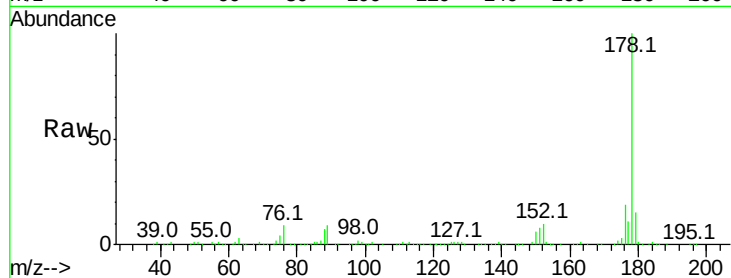
Tot Ion:178 Resp: 270169

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

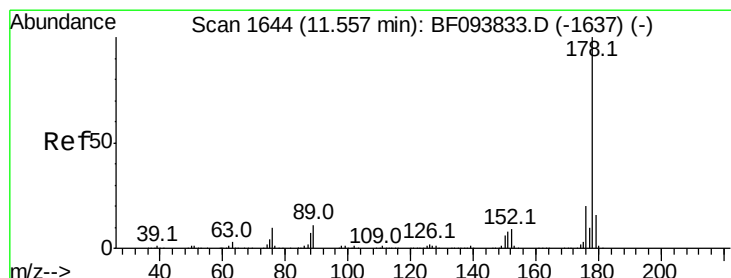
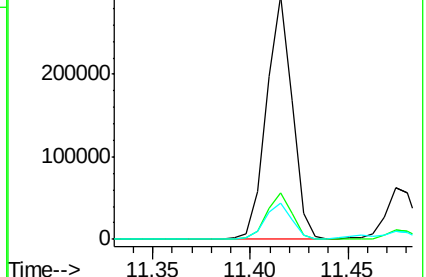
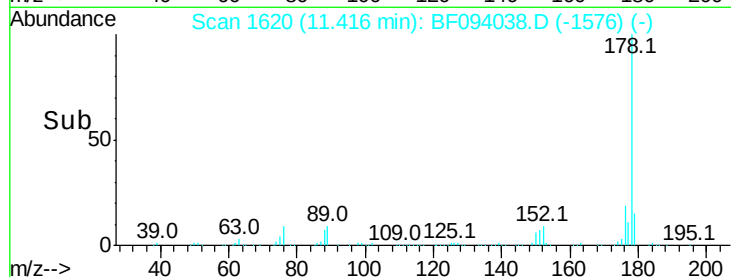
179 14.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.12 ng

RT: 11.47 min Scan# 1630

Delta R.T. -0.05 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

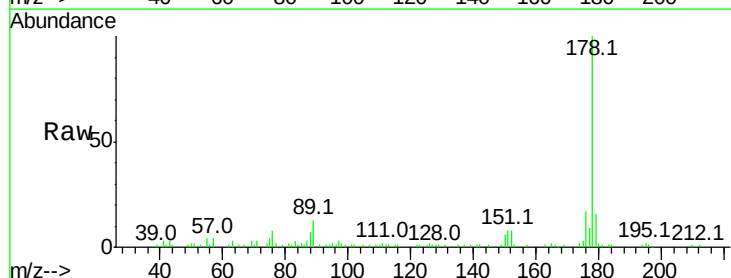
Tgt Ion:178 Resp: 61910

Ion Ratio Lower Upper

178 100

176 17.5 15.8 23.8

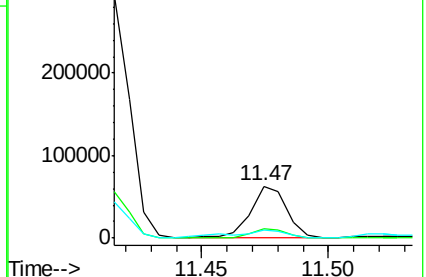
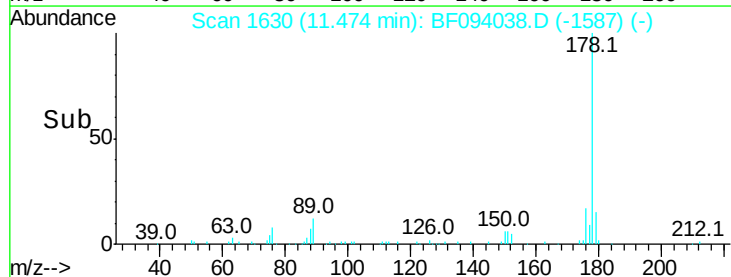
179 15.8 12.7 19.1

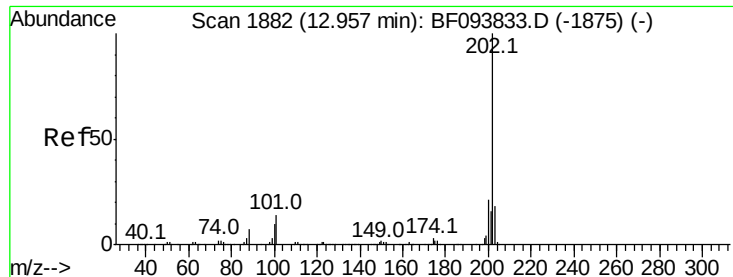


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 9.72 ng

RT: 12.88 min Scan# 1869

Delta R.T. -0.04 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

Instrument :

BNA_F

ClientSampleId :

E2-BB10-BASE

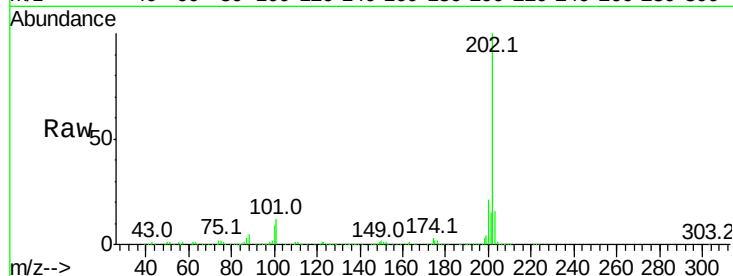
Tot Ion:202 Resp: 282574

Ion Ratio Lower Upper

202 100

101 11.9 0.0 33.2

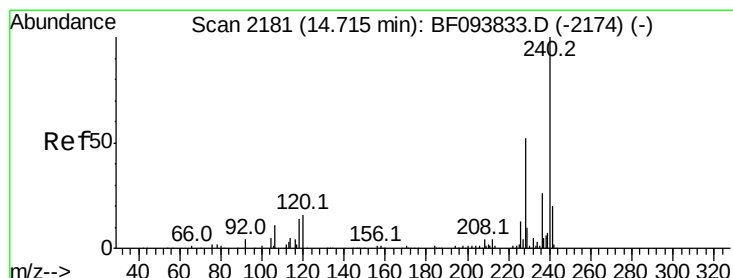
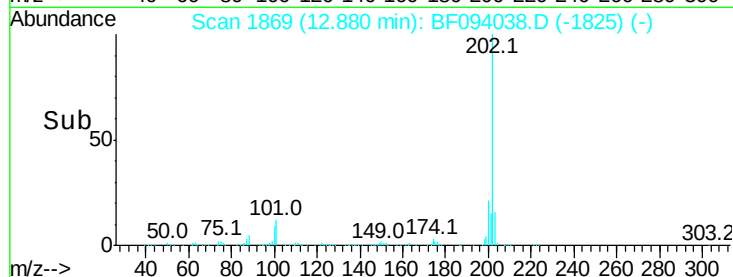
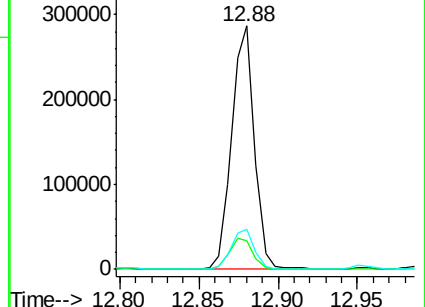
203 16.5 0.0 38.1



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: 14.64 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

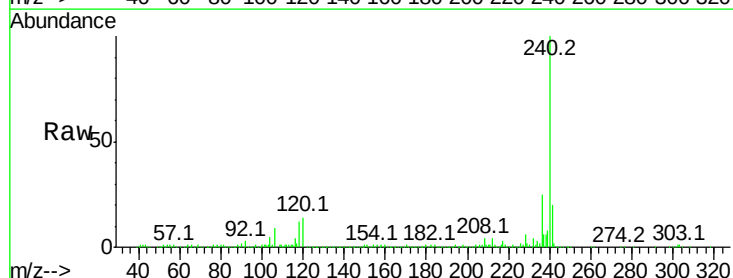
Tgt Ion:240 Resp: 347965

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

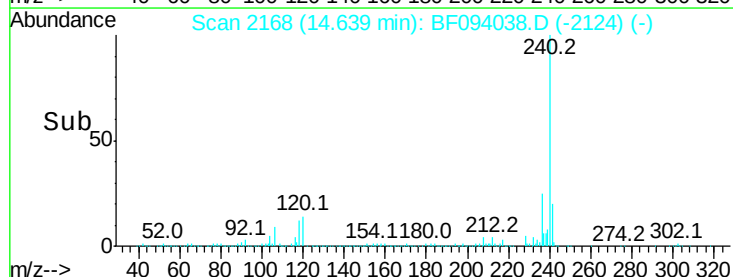
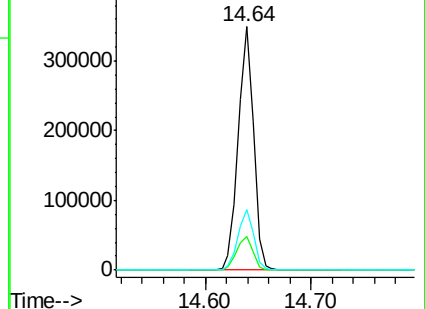
236 25.0 20.5 30.7

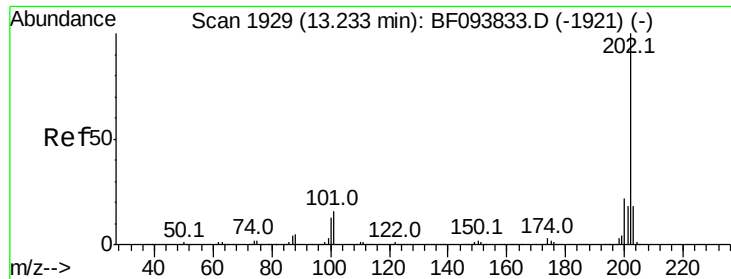


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

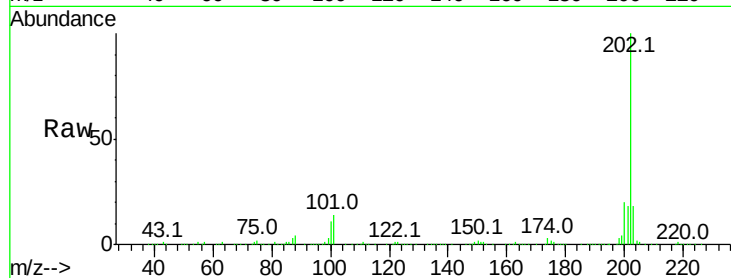




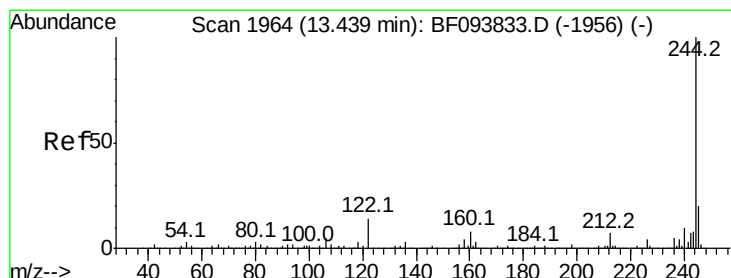
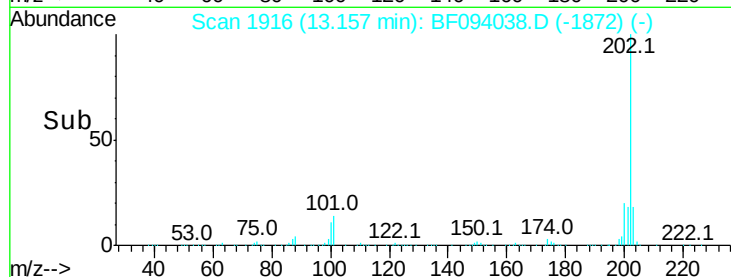
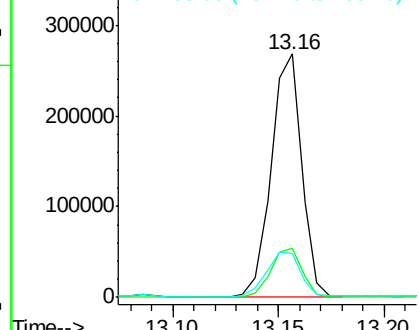
#77
Pvrene
Concen: 10.65 ng
RT: 13.16 min Scan# 1916
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Instrument :
BNA_F
ClientSampleId :
E2-BB10-BASE

Tot Ion:202 Resp: 269005
Ion Ratio Lower Upper
202 100
200 20.0 17.6 26.4
203 17.8 14.4 21.6

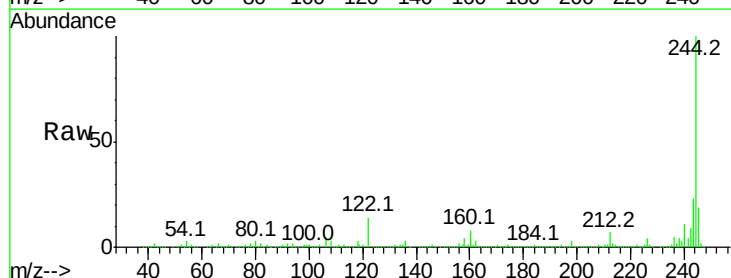


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

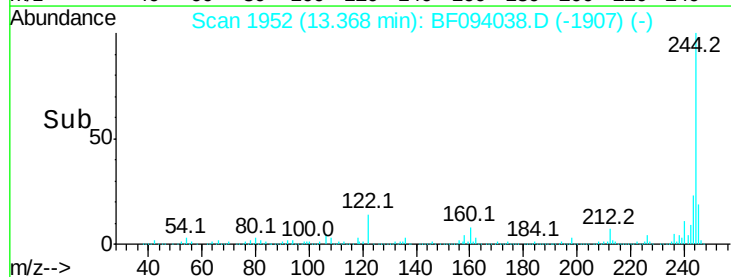
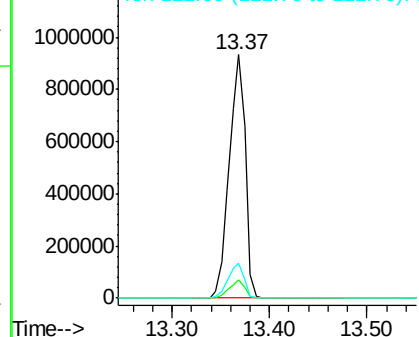


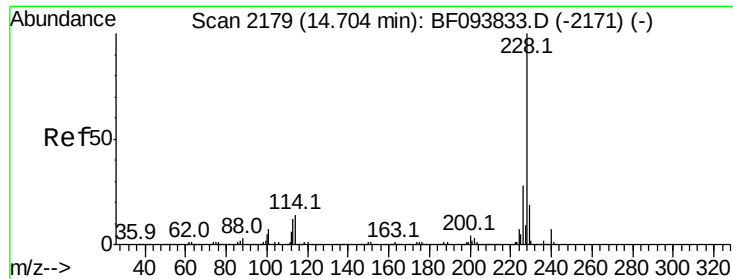
#78
Terphenyl-d14
Concen: 68.39 ng
RT: 13.37 min Scan# 1952
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Tgt Ion:244 Resp: 1061738
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 14.4 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

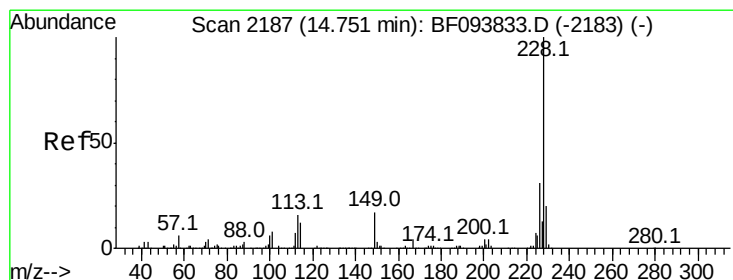
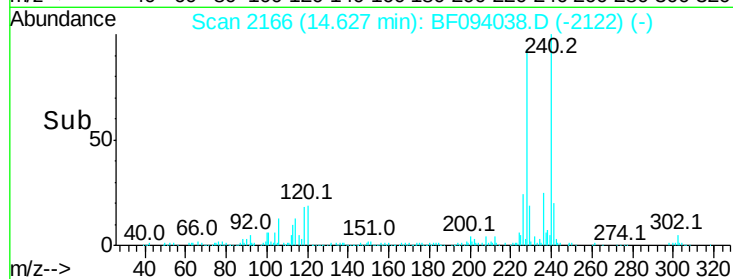
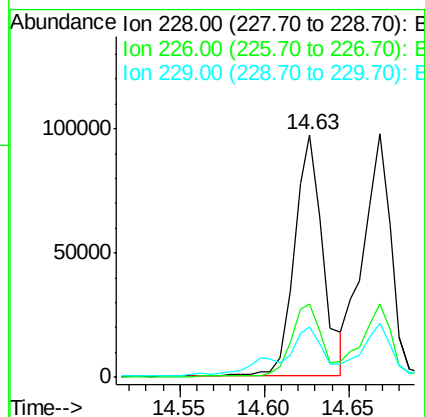
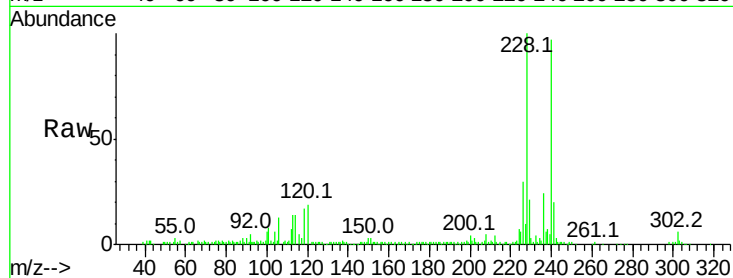




#80
Benzo(a)anthracene
Concen: 5.65 ng
RT: 14.63 min Scan# 2166
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

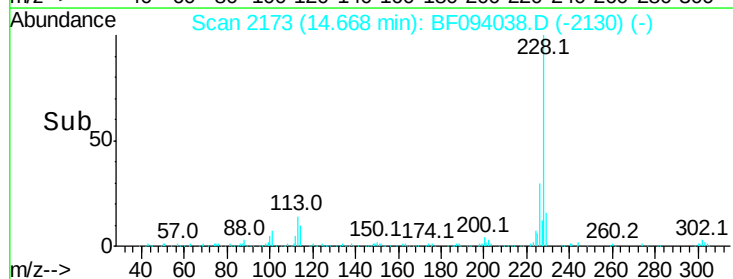
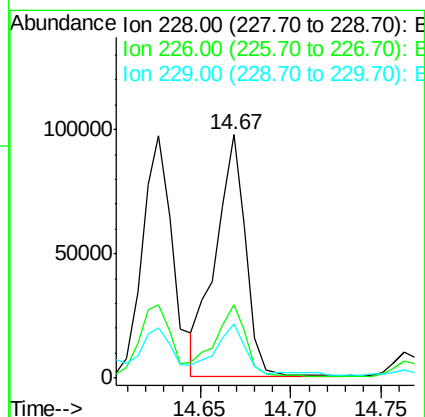
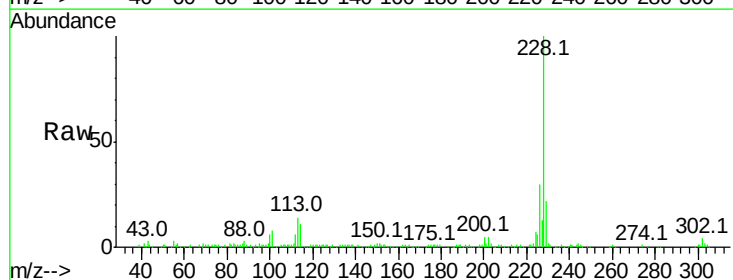
Instrument :
BNA_F
ClientSampleId :
E2-BB10-BASE

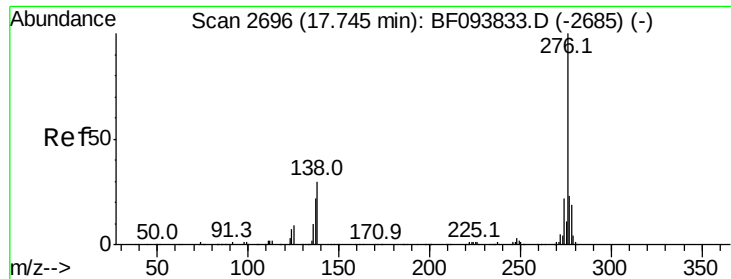
Tot Ion:228 Resp: 114638
Ion Ratio Lower Upper
228 100
226 30.4 22.6 33.8
229 20.9 16.3 24.5



#82
Chrysene
Concen: 6.01 ng
RT: 14.67 min Scan# 2173
Delta R.T. -0.05 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Tgt Ion:228 Resp: 113145
Ion Ratio Lower Upper
228 100
226 30.2 24.9 37.3
229 22.4 15.8 23.6

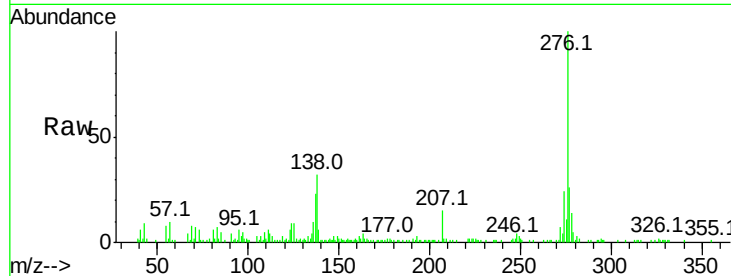




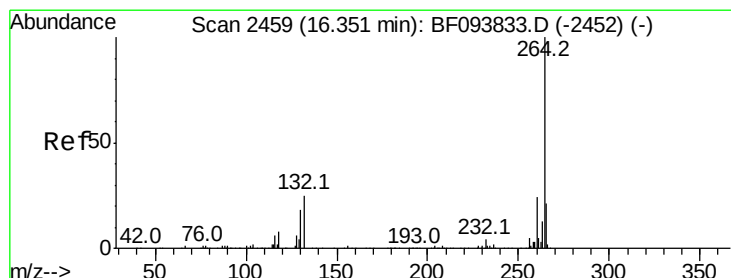
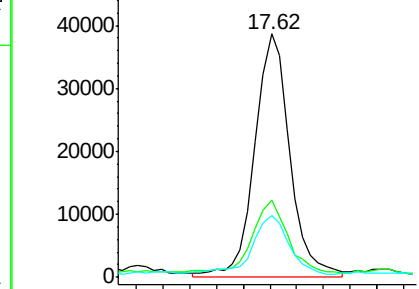
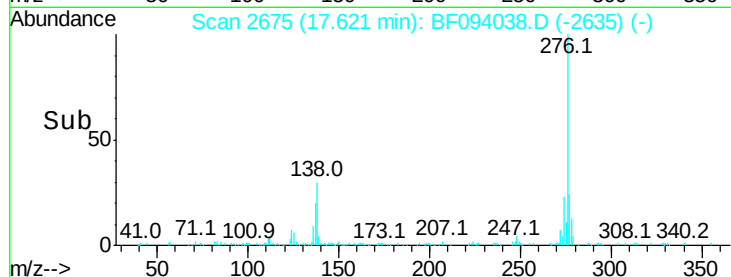
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.33 ng
 RT: 17.62 min Scan# 2675
 Delta R.T. -0.06 min
 Lab File: BF094038.D
 Acq: 30 Mar 2017 00:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB10-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.7	27.8	41.6
277	24.9	20.2	30.4

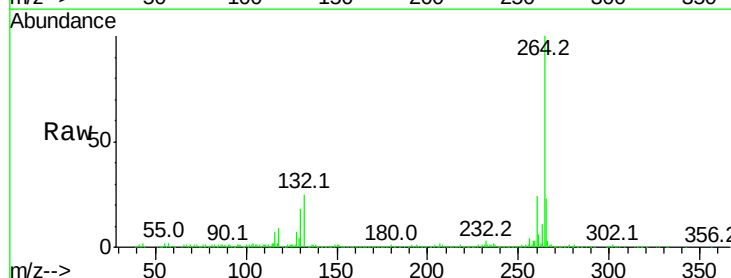


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

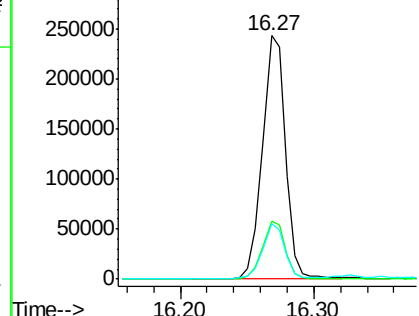
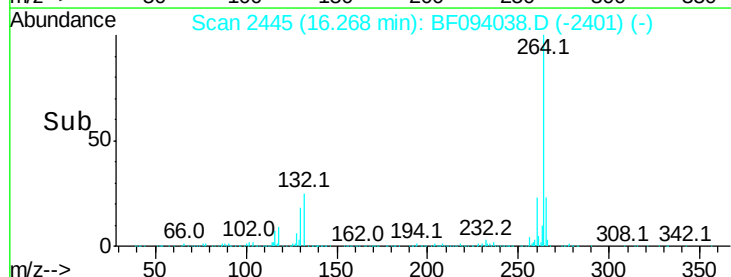


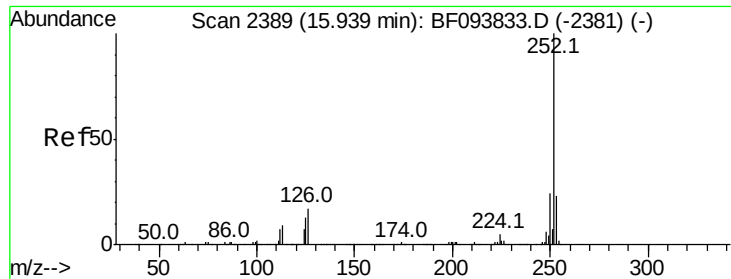
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.27 min Scan# 2445
 Delta R.T. -0.04 min
 Lab File: BF094038.D
 Acq: 30 Mar 2017 00:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.8	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

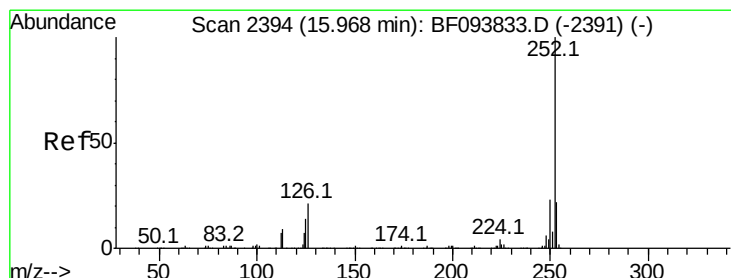
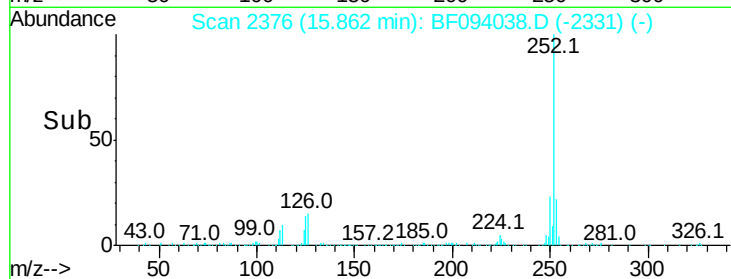
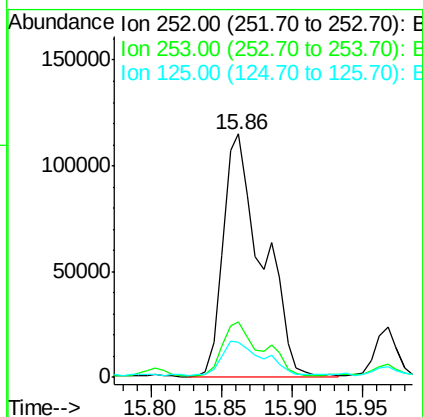
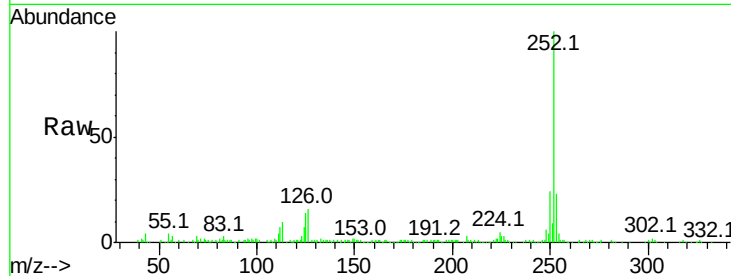




#87
Benzo(b)fluoranthene
Concen: 12.47 ng
RT: 15.86 min Scan# 2376
Delta R.T. -0.04 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

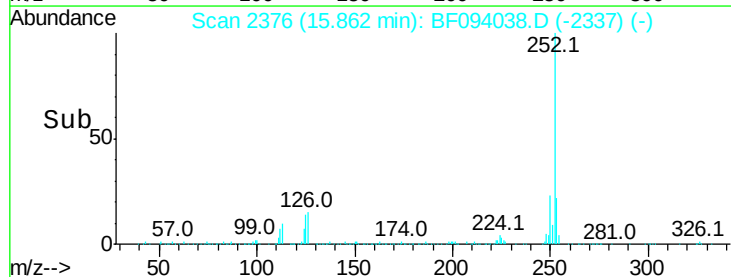
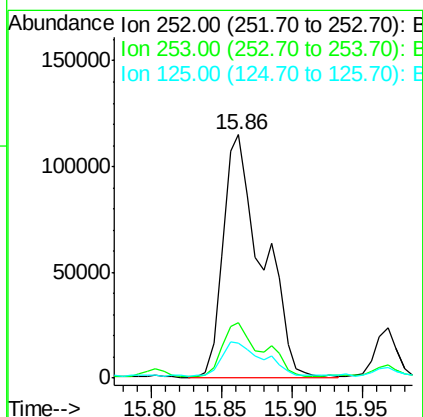
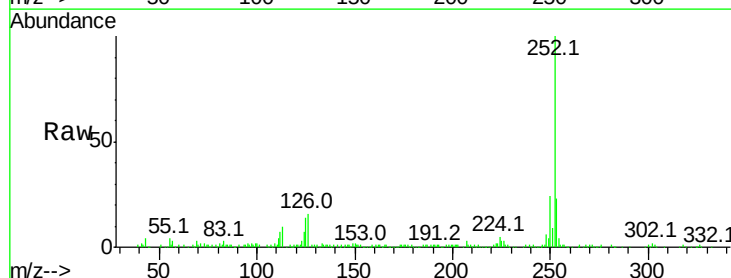
Instrument :
BNA_F
ClientSampleId :
E2-BB10-BASE

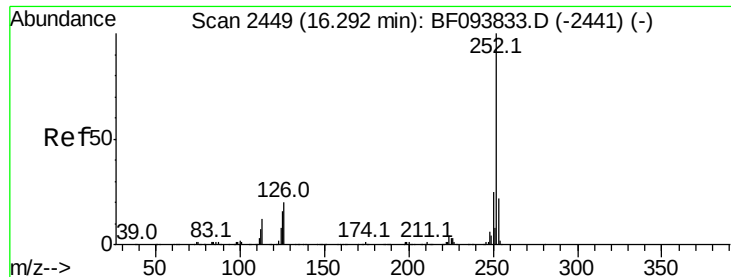
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	14.4	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 12.75 ng
RT: 15.86 min Scan# 2376
Delta R.T. -0.07 min
Lab File: BF094038.D
Acq: 30 Mar 2017 00:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	14.4	13.1	19.7





#89

Benzo(a)pyrene

Concen: 6.25 ng

RT: 16.21 min Scan# 2435

Delta R.T. -0.04 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

Instrument :

BNA_F

ClientSampleId :

E2-BB10-BASE

Tot Ion:252 Resp: 101707

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	13.7	11.0	16.4

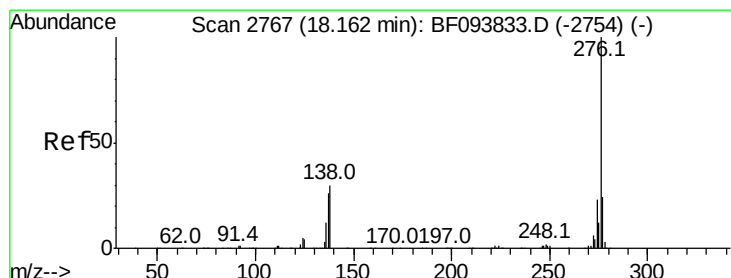
Abundance

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

Time-->



#91

Benzo(g,h,i)perylene

Concen: 4.80 ng

RT: 18.02 min Scan# 2743

Delta R.T. -0.08 min

Lab File: BF094038.D

Acq: 30 Mar 2017 00:18

Tgt Ion:276 Resp: 66735

Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.6	28.0
138	31.2	25.4	38.0

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

Time-->

