

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030217\
 Data File : BF093343.D
 Acq On : 3 Mar 2017 1:34
 Operator : SJ/MA
 Sample : I2003-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB436A

Quant Time: Mar 03 02:29:53 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 03 00:22:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	156639	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	627039	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	285356	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	455854	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	256370	20.00	ng	0.00
86) Perylene-d12	15.40	264	299943	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1068011	116.98	ng	0.00
7) Phenol-d6	6.44	99	1283115	109.22	ng	-0.01
23) Nitrobenzene-d5	7.37	82	765553	67.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	228400	110.67	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1230149	78.10	ng	0.00
78) Terphenyl-d14	12.92	244	738364	67.67	ng	0.00

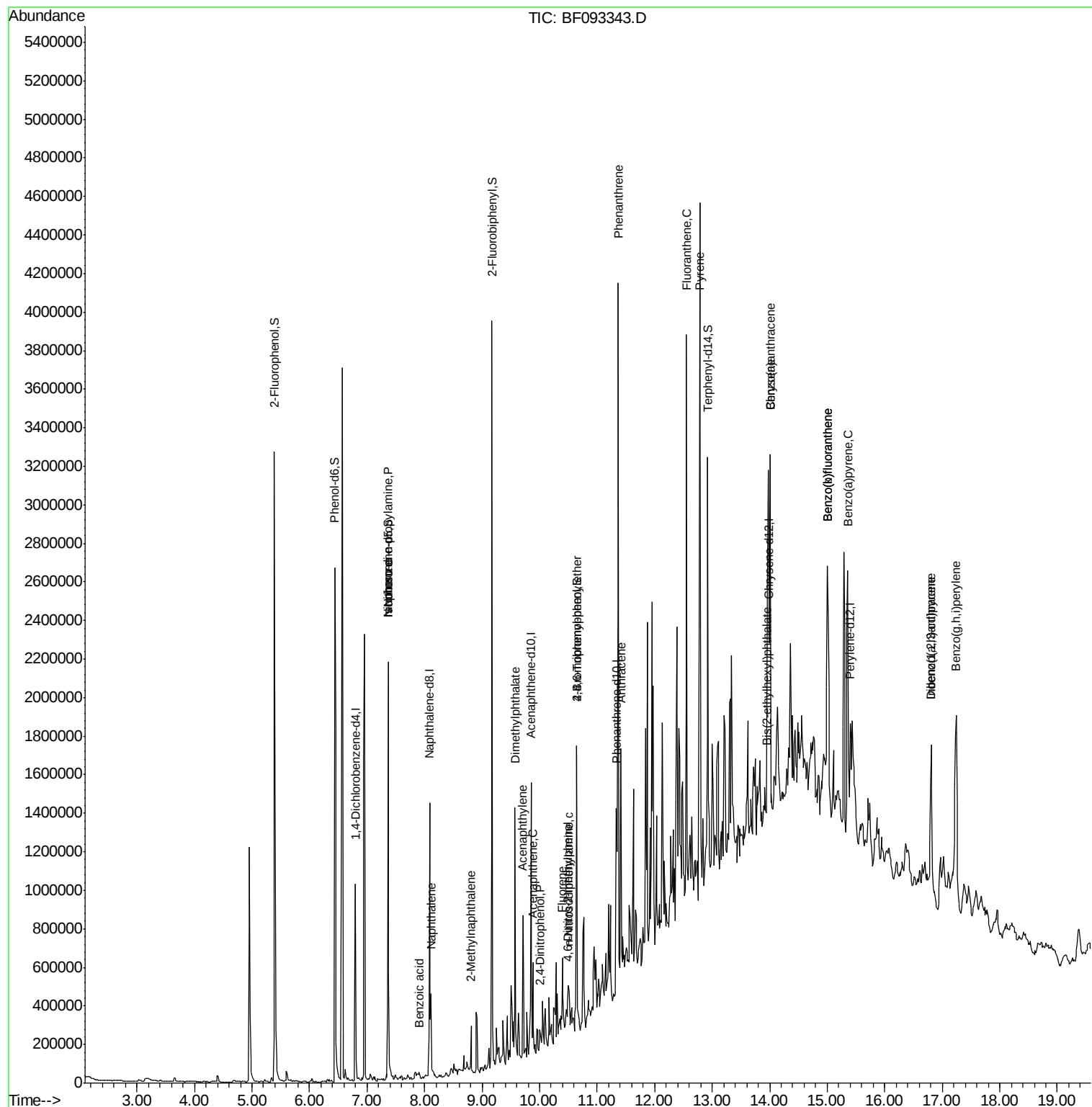
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	103925	13.90	ng	# 83
25) Isophorone	7.37	82	672026	32.03	ng	# 65
31) Naphthalene	8.11	128	171481	5.39	ng	99
32) Benzoic acid	7.90	122	1700	7.43	ng	# 1
37) 2-Methylnaphthalene	8.81	142	70614	3.46	ng	96
48) Acenaphthylene	9.71	152	260621	9.33	ng	99
49) Dimethylphthalate	9.57	163	429844	22.36	ng	99
51) Acenaphthene	9.88	154	92796	5.56	ng	94
53) 2,4-Dinitrophenol	10.01	184	213	4.83	ng	# 1
57) Fluorene	10.40	166	152717	8.89	ng	# 95
64) 4,6-Dinitro-2-methylphenol	10.49	198	212	2.74	ng	# 1
65) n-Nitrosodiphenylamine	10.51	169	30027	2.06	ng	# 89
66) 4-Bromophenyl-phenylether	10.65	248	16530	3.47	ng	# 1
70) Phenanthrene	11.37	178	1720966	65.90	ng	99
71) Anthracene	11.41	178	484448	18.47	ng	98
74) Fluoranthene	12.56	202	1195702	44.39	ng	98
77) Pyrene	12.79	202	2212284	115.31	ng	99
80) Benzo(a)anthracene	14.01	228	857578	54.69	ng	94
82) Chrysene	14.01	228	857578	58.41	ng	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	28892	2.71	ng	# 85
85) Indeno(1,2,3-cd)pyrene	16.81	276	540889	47.57	ng	99
87) Benzo(b)fluoranthene	15.00	252	1007533	51.03	ng	# 95
88) Benzo(k)fluoranthene	15.00	252	1007533	59.11	ng	# 95
89) Benzo(a)pyrene	15.36	252	811288	47.51	ng	99
90) Dibenzo(a,h)anthracene	16.81	278	155390	11.26	ng	# 92
91) Benzo(g,h,i)perylene	17.24	276	828963	59.45	ng	# 92

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

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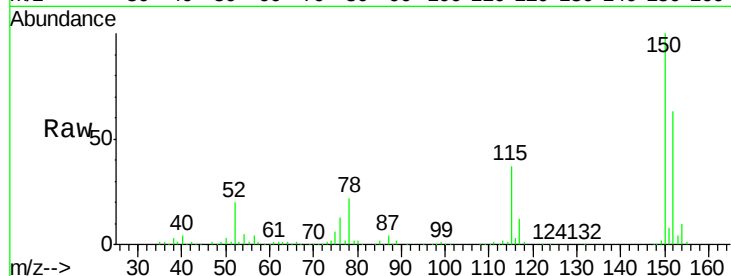


#1

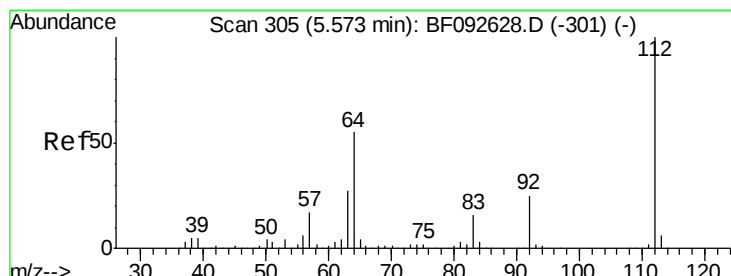
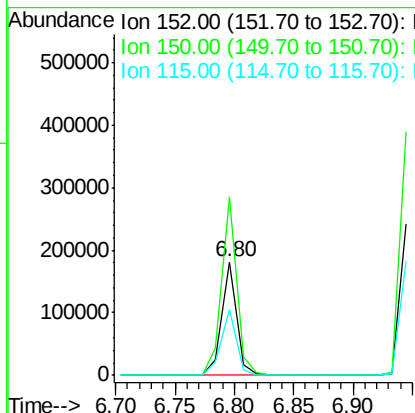
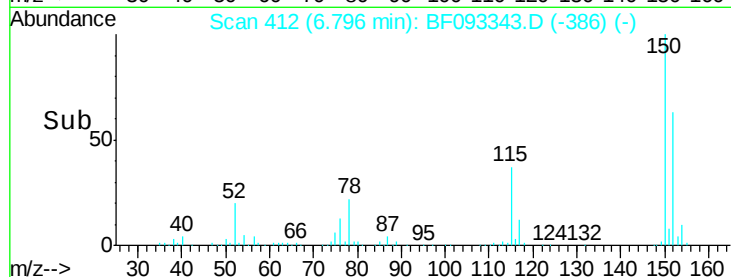
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 412
 Delta R.T. -0.00 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB436A

Tgt Ion:152 Resp: 156639
 Ion Ratio Lower Upper
 152 100
 150 157.5 124.9 187.3
 115 57.5 46.0 69.0



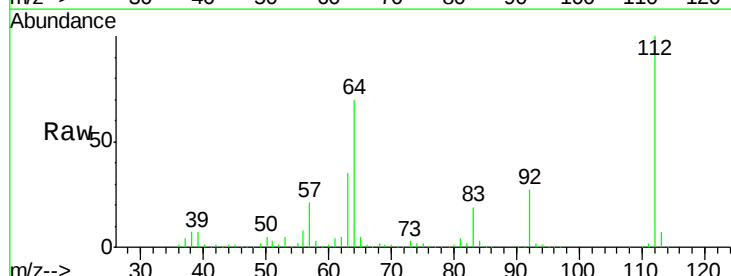
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



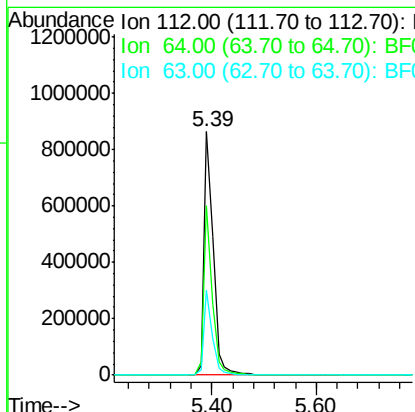
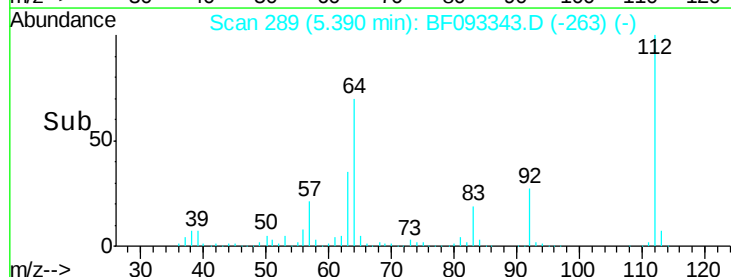
#5

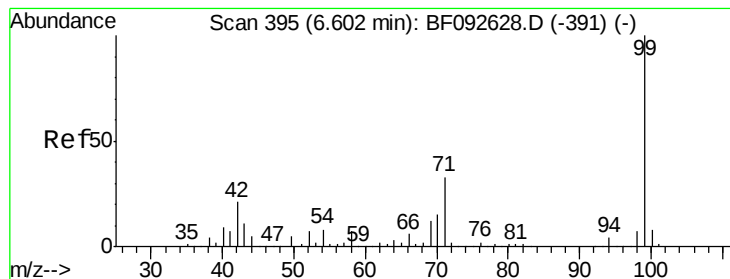
2-Fluorophenol
 Concen: 116.98 ng
 RT: 5.39 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

Tgt Ion:112 Resp: 1068011
 Ion Ratio Lower Upper
 112 100
 64 69.7 46.1 69.1#
 63 34.8 23.8 35.6



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: 109.22 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HY-SB436A

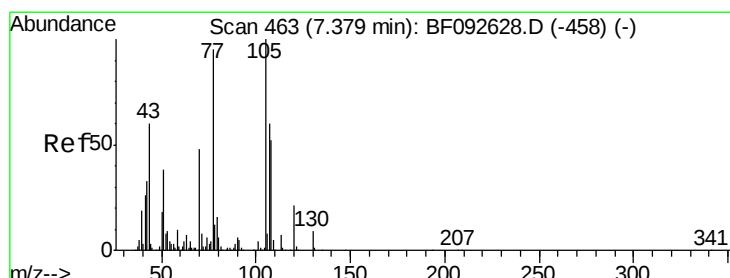
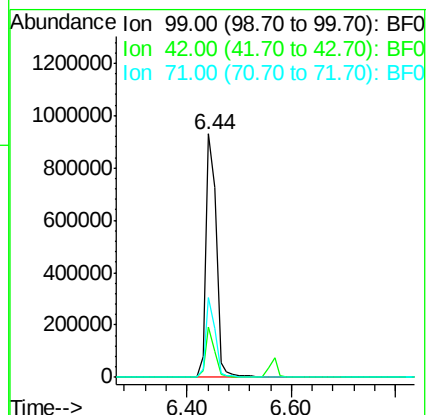
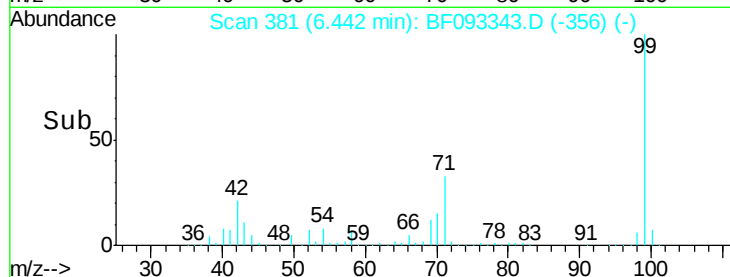
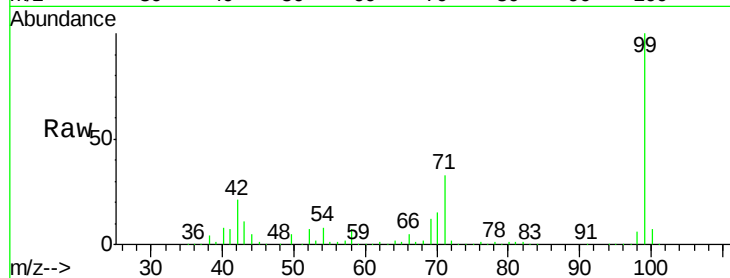
Tgt Ion: 99 Resp: 1283115

Ion Ratio Lower Upper

99 100

42 20.9 15.6 23.4

71 32.7 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.90 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.15 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Tgt Ion: 70 Resp: 103925

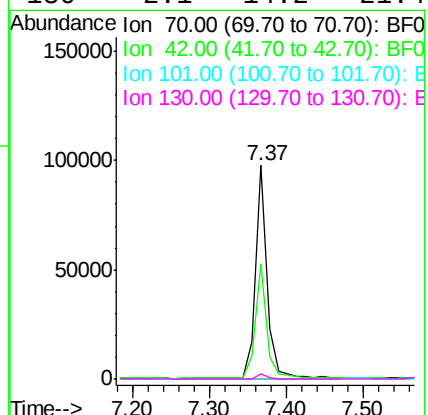
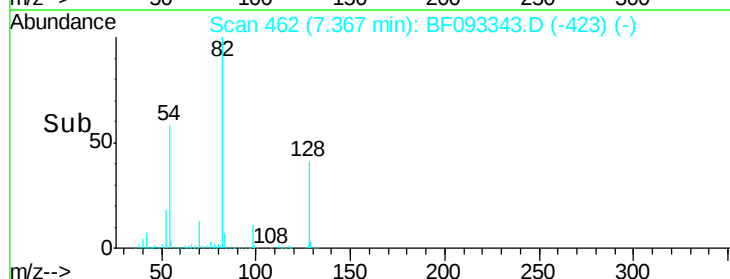
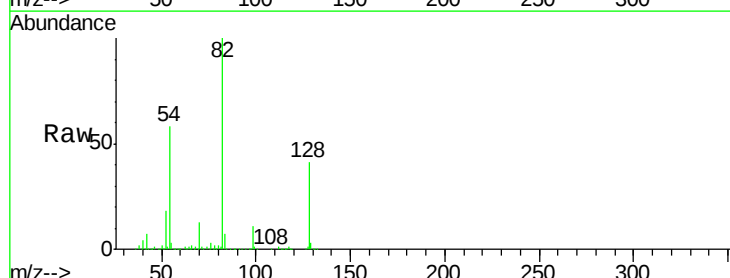
Ion Ratio Lower Upper

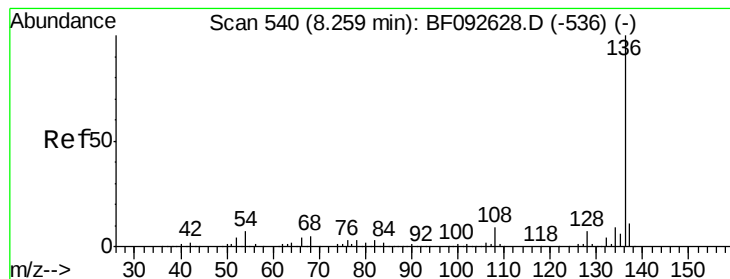
70 100

42 54.2 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HY-SB436A

Tgt Ion: 136 Resp: 627039

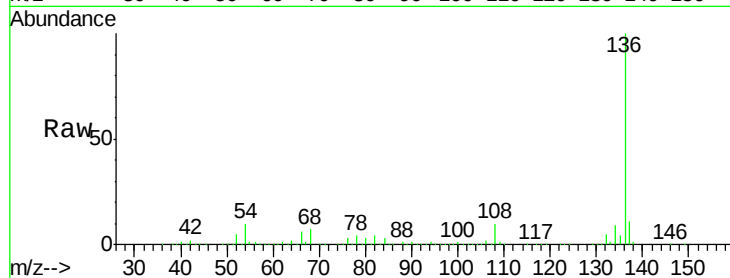
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 10.0 4.5 6.7#

68 7.3 3.6 5.4#

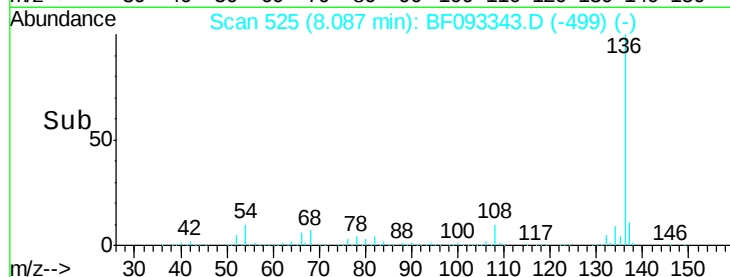


Abundance Ion 136.00 (135.70 to 136.70): E

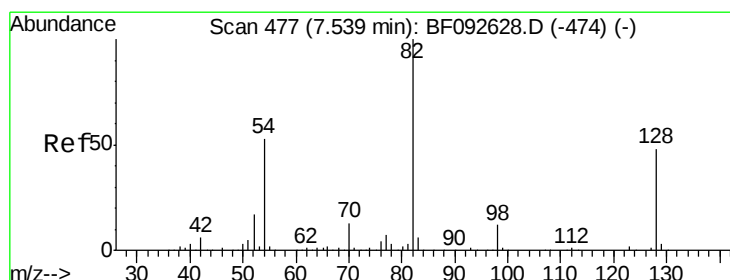
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 67.99 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

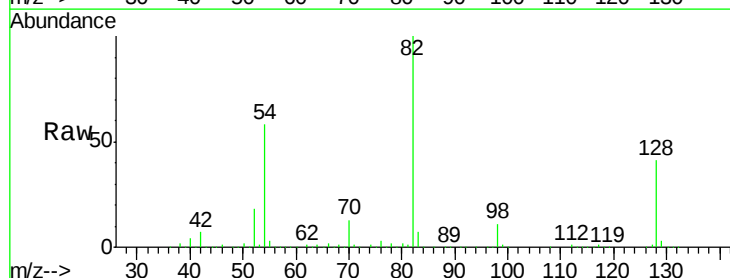
Tgt Ion: 82 Resp: 765553

Ion Ratio Lower Upper

82 100

128 41.2 34.6 52.0

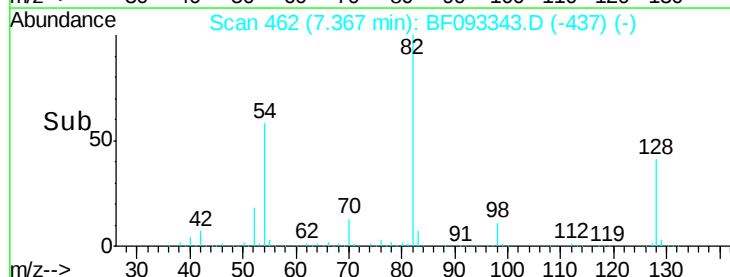
54 57.6 39.5 59.3



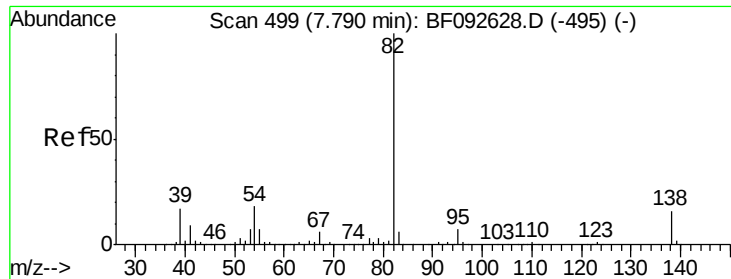
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 32.03 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.26 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HY-SB436A

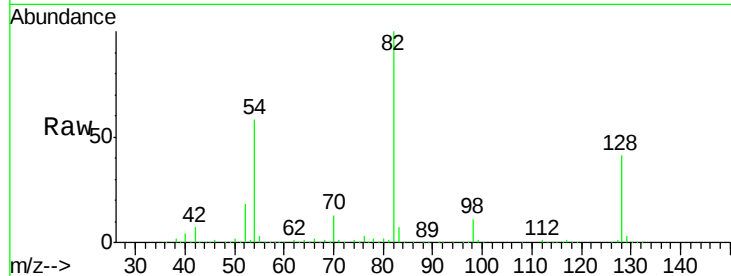
Tgt Ion: 82 Resp: 672026

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

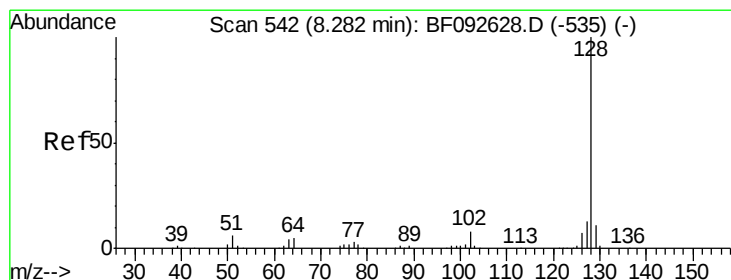
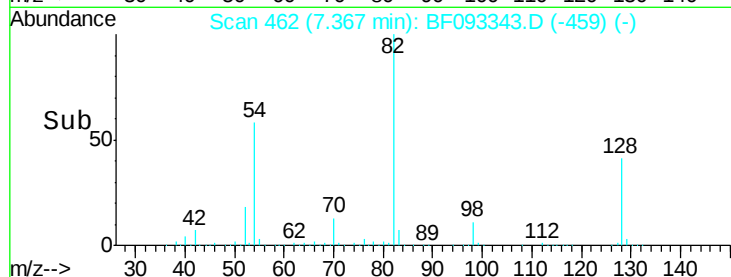
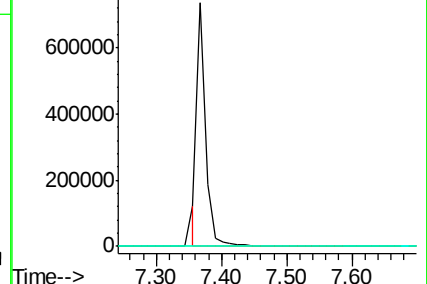
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 5.39 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

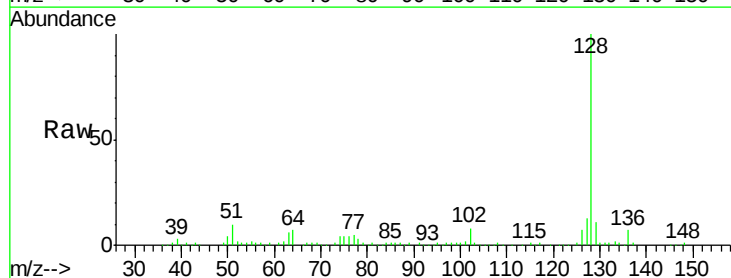
Tgt Ion: 128 Resp: 171481

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

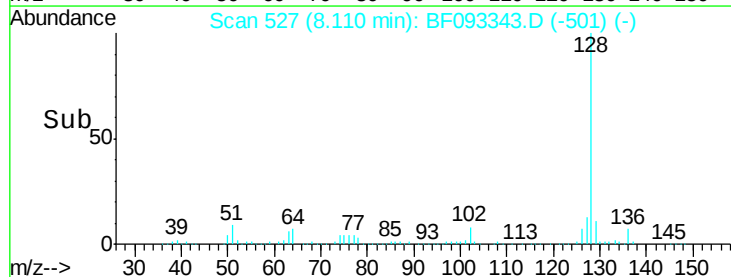
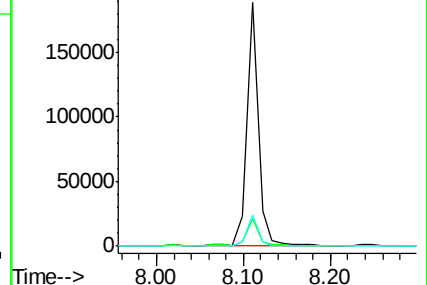
127 13.0 10.8 16.2

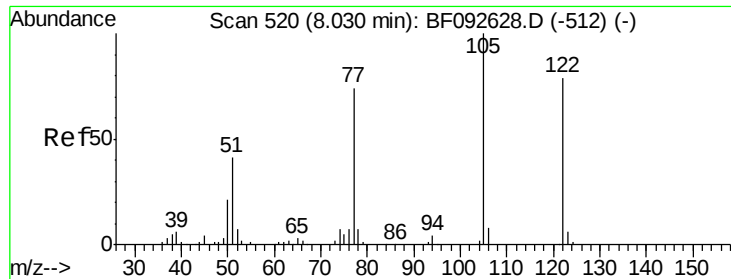


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

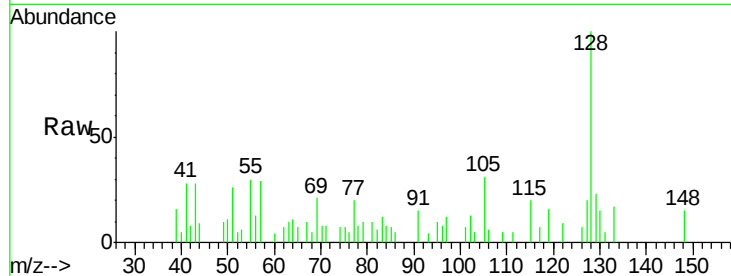




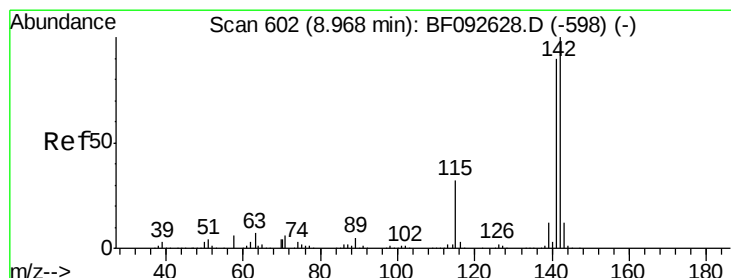
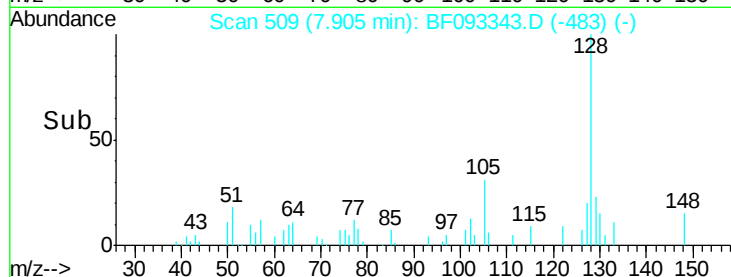
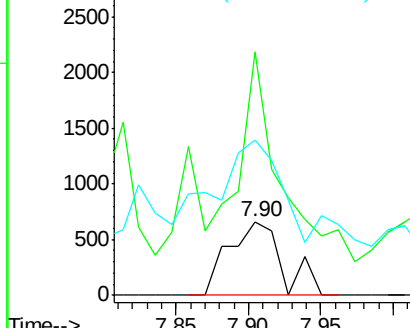
#32
Benzoic acid
Concen: 7.43 ng
RT: 7.90 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Instrument :
BNA_F
ClientSampleId :
HY-SB436A

Tgt Ion:122 Resp: 1700
Ion Ratio Lower Upper
122 100
105 330.2 107.2 147.2#
77 211.2 74.5 114.5#

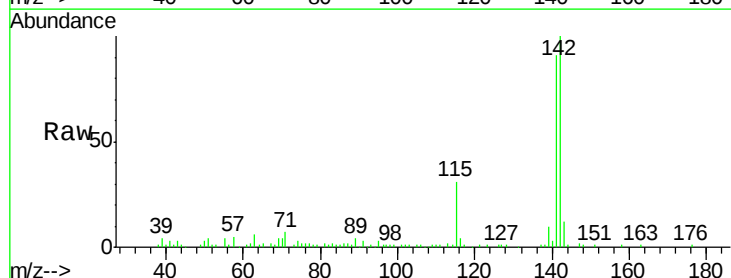


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

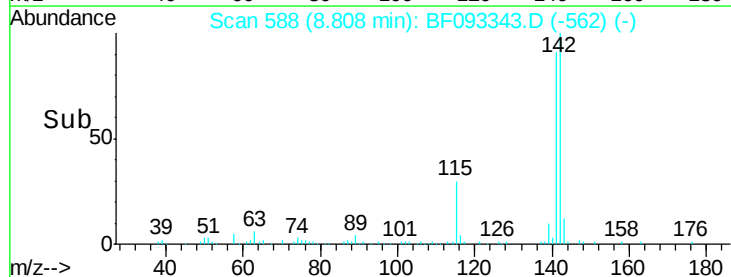
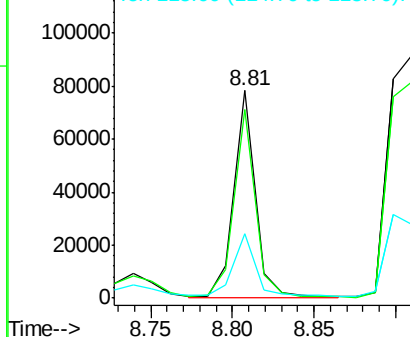


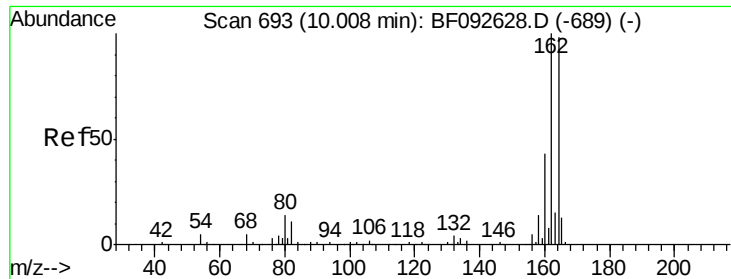
#37
2-Methylnaphthalene
Concen: 3.46 ng
RT: 8.81 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Tgt Ion:142 Resp: 70614
Ion Ratio Lower Upper
142 100
141 90.8 71.0 106.6
115 31.0 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

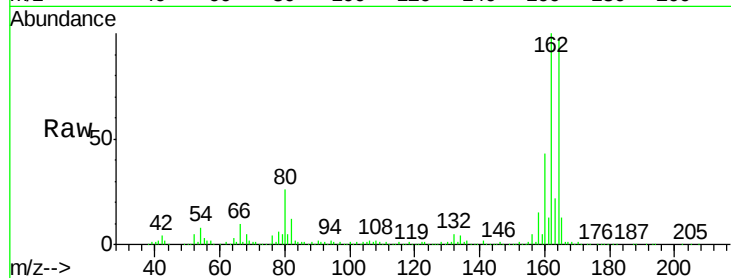




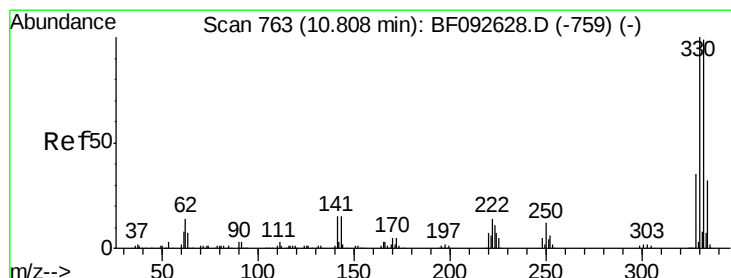
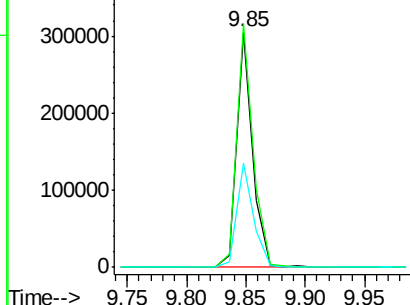
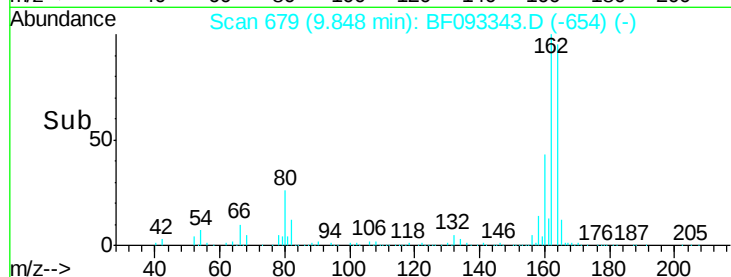
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB436A

Tgt Ion:164 Resp: 285356
 Ion Ratio Lower Upper
 164 100
 162 103.5 80.2 120.2
 160 44.4 36.9 55.3

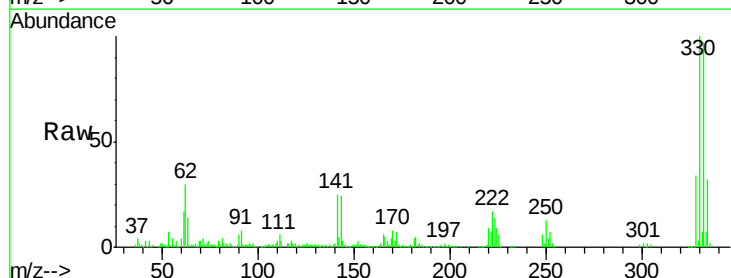


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

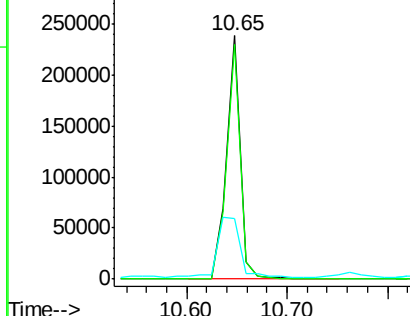
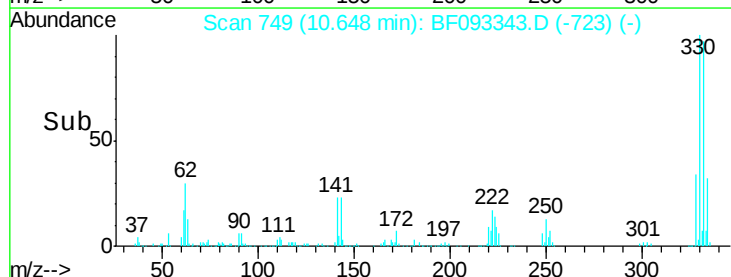


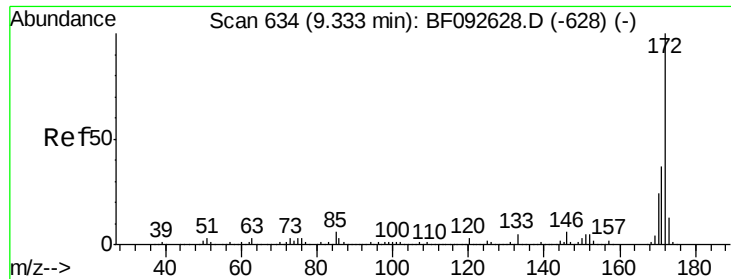
#41
 2,4,6-Tribromophenol
 Concen: 110.67 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

Tgt Ion:330 Resp: 228400
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 39.7 34.1 51.1



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

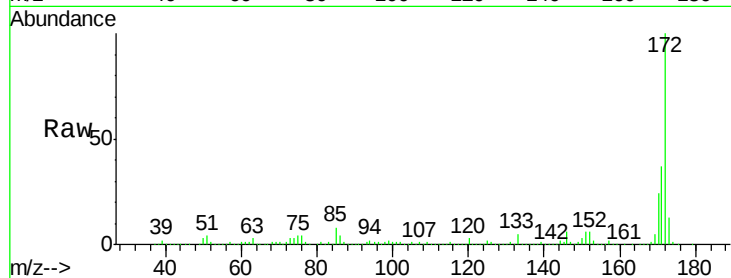




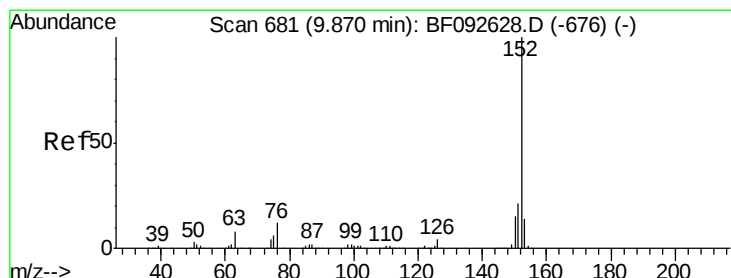
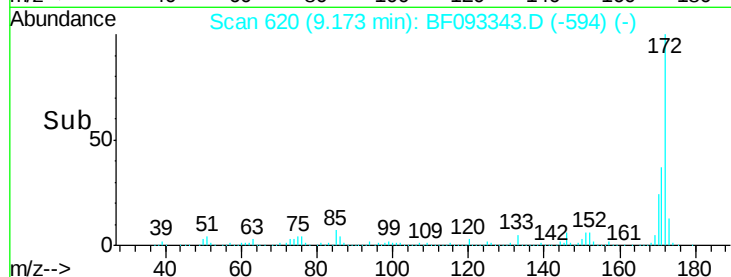
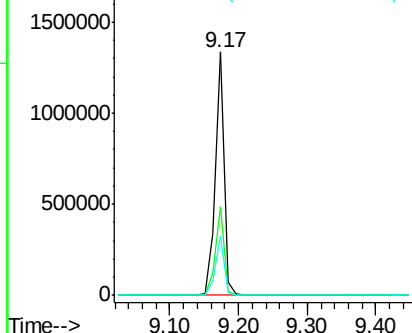
#44
2-Fluorobiphenyl
Concen: 78.10 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.00 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Instrument :
BNA_F
ClientSampleId :
HY-SB436A

Tgt Ion:172 Resp: 1230149
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 24.4 20.2 30.4

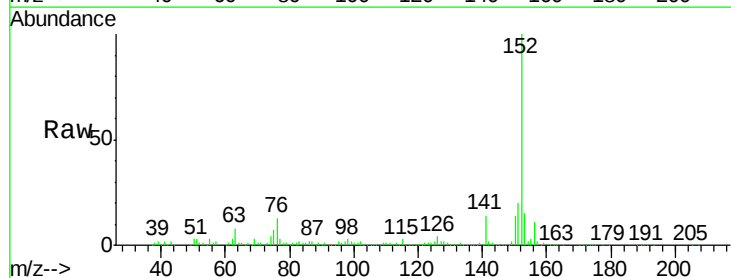


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

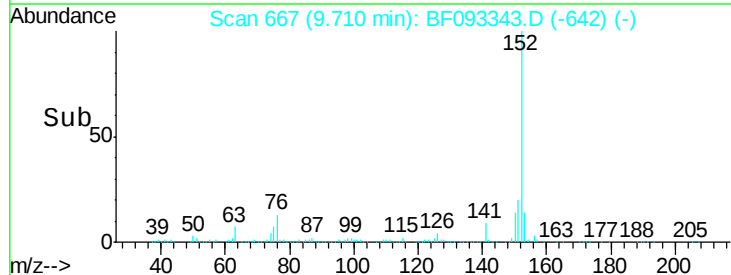
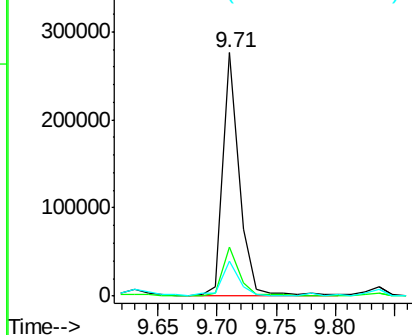


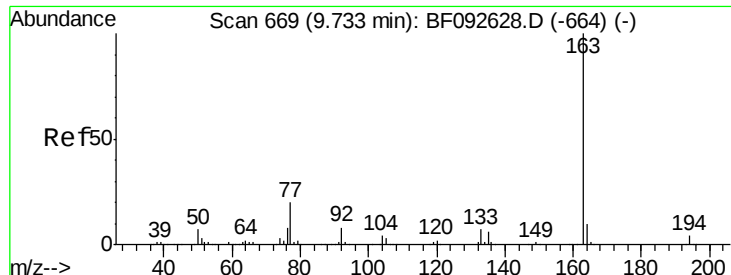
#48
Acenaphthylene
Concen: 9.33 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.01 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Tgt Ion:152 Resp: 260621
Ion Ratio Lower Upper
152 100
151 20.2 16.9 25.3
153 14.5 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

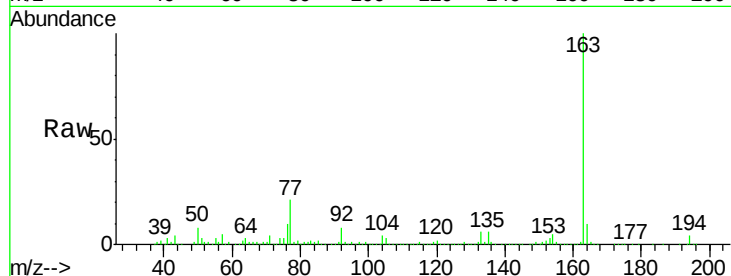




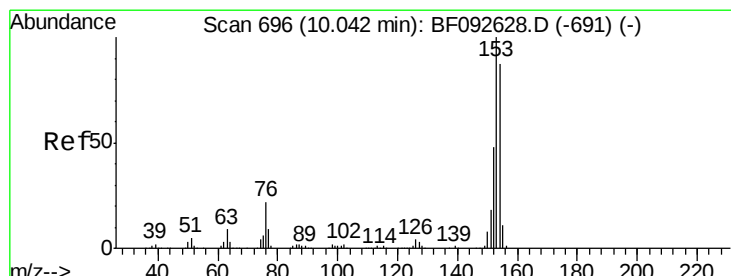
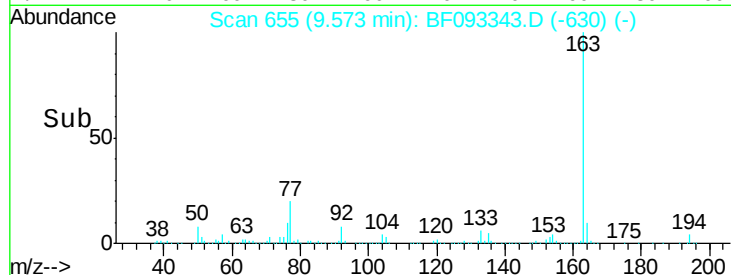
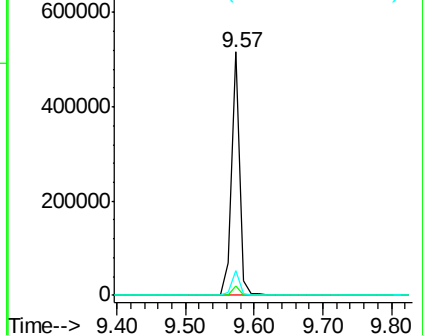
#49
Dimethylphthalate
Concen: 22.36 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Instrument :
BNA_F
ClientSampleId :
HY-SB436A

Tgt Ion:163 Resp: 429844
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 10.3 8.0 12.0

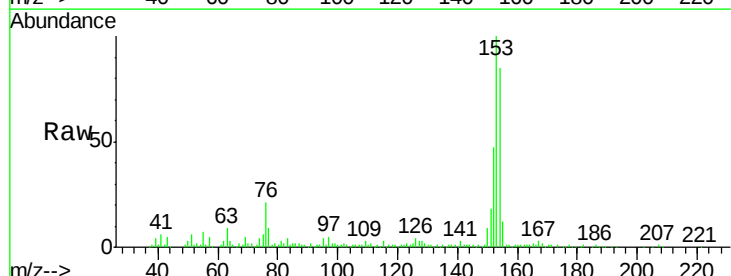


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

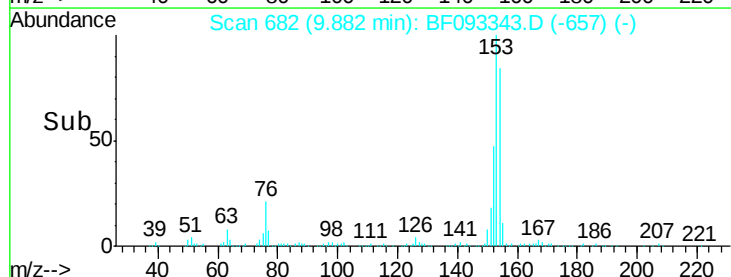
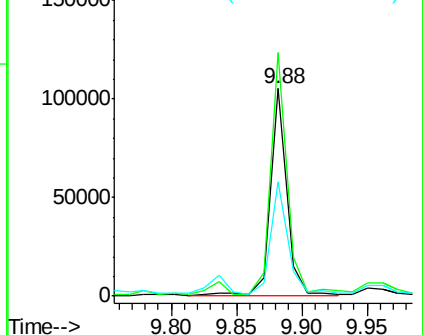


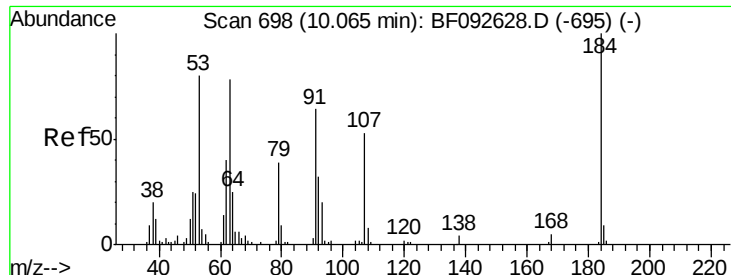
#51
Acenaphthene
Concen: 5.56 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Tgt Ion:154 Resp: 92796
Ion Ratio Lower Upper
154 100
153 117.5 88.6 133.0
152 55.0 41.6 62.4



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

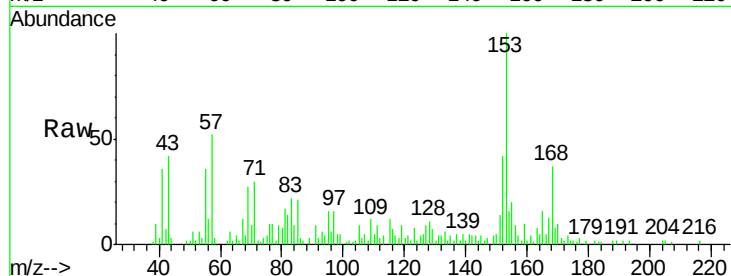




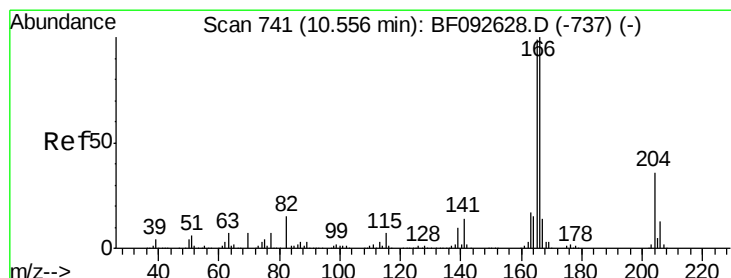
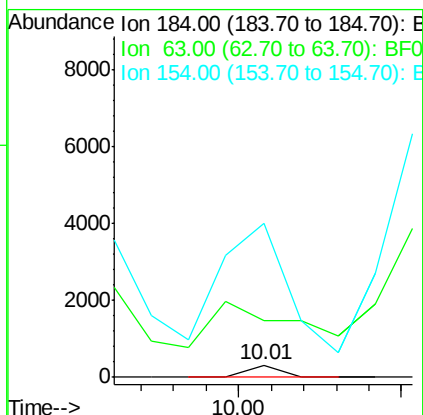
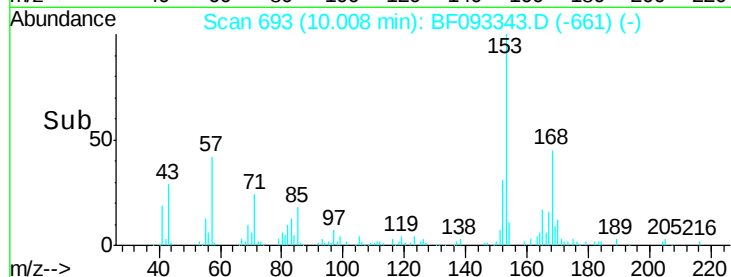
#53
2,4-Dinitrophenol
Concen: 4.83 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.07 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Instrument :
BNA_F
ClientSampleId :
HY-SB436A

Tgt Ion:184 Resp: 213
Ion Ratio Lower Upper
184 100
63 478.7 28.4 42.6#
154 1288.7 44.3 66.5#

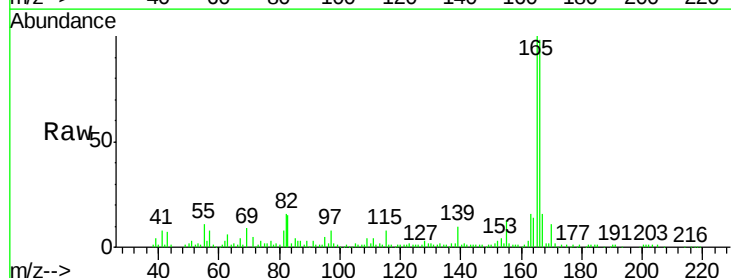


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

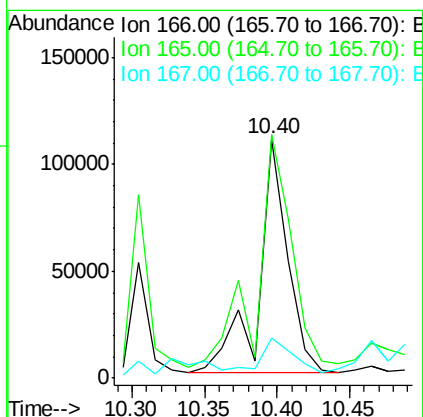
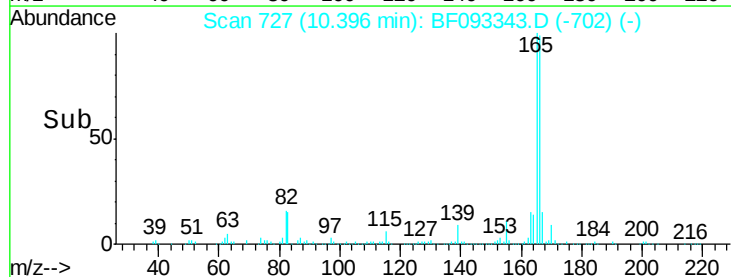


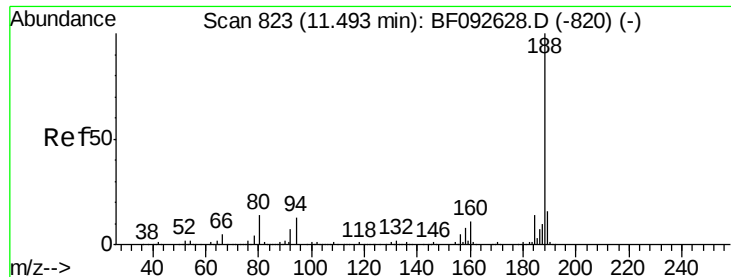
#57
Fluorene
Concen: 8.89 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Tgt Ion:166 Resp: 152717
Ion Ratio Lower Upper
166 100
165 101.9 77.8 116.8
167 16.6 10.8 16.2#



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

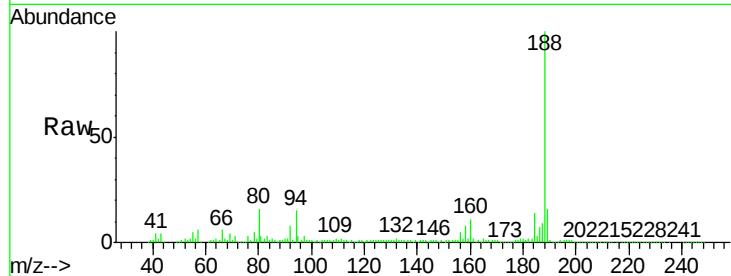




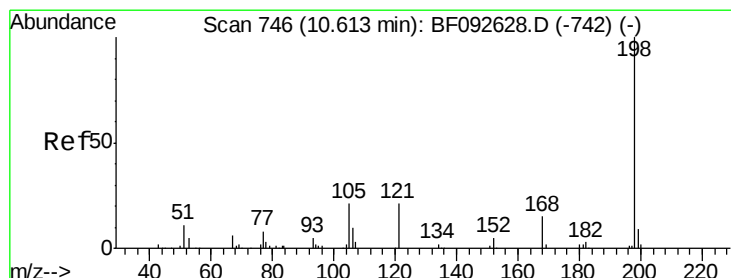
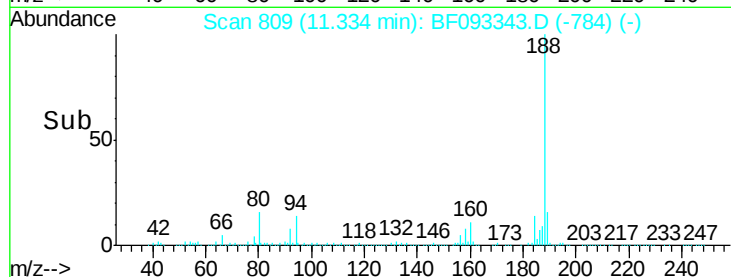
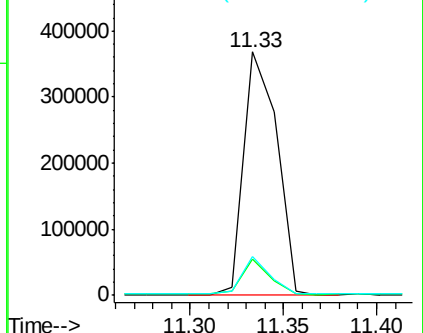
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Instrument :
BNA_F
ClientSampleId :
HY-SB436A

Tgt Ion:188 Resp: 455854
Ion Ratio Lower Upper
188 100
94 14.7 10.0 15.0
80 16.0 11.2 16.8

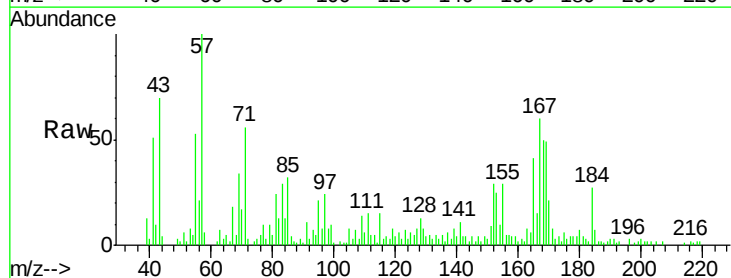


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

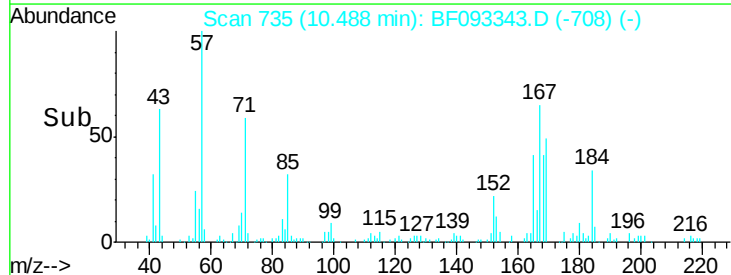
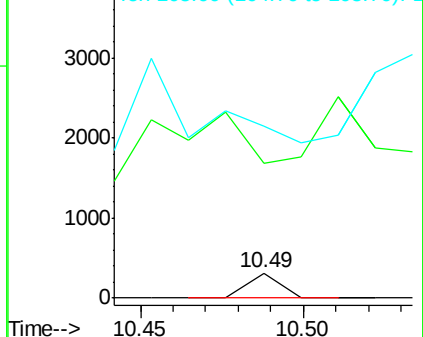


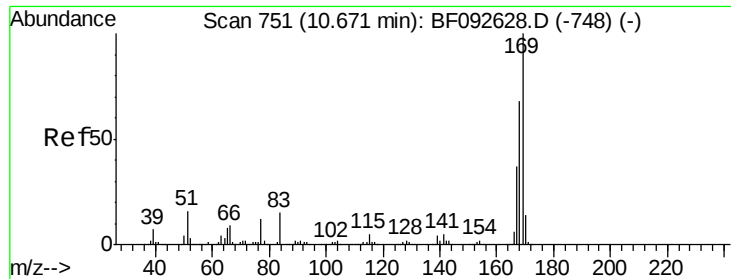
#64
4,6-Dinitro-2-methylphenol
Concen: 2.74 ng
RT: 10.49 min Scan# 735
Delta R.T. 0.01 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Tgt Ion:198 Resp: 212
Ion Ratio Lower Upper
198 100
51 543.4 6.7 46.7#
105 695.5 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 2.06 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HY-SB436A

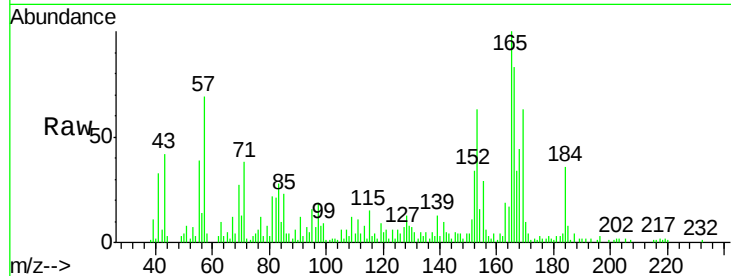
Tgt Ion:169 Resp: 30027

Ion Ratio Lower Upper

169 100

168 69.3 54.2 81.2

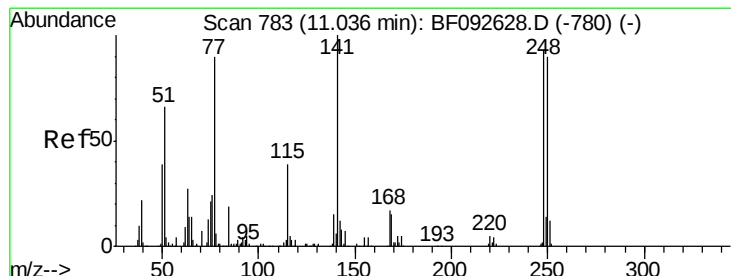
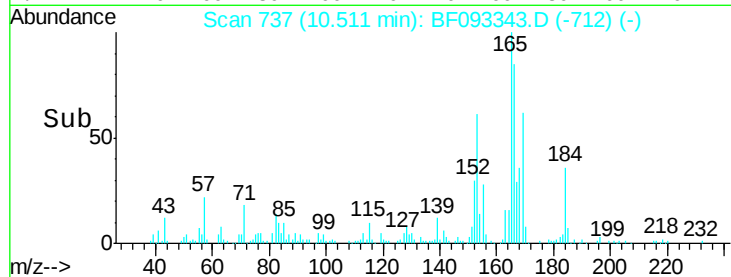
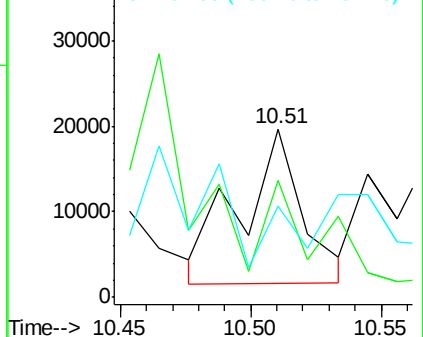
167 54.2 30.2 45.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.47 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.24 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

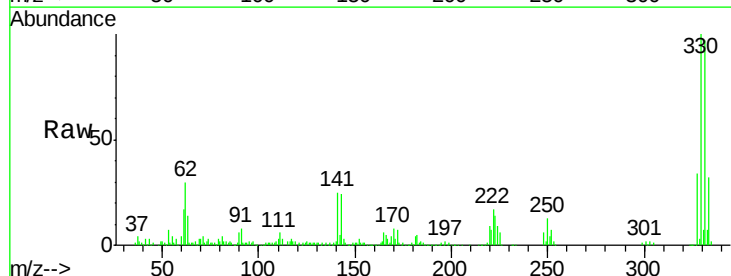
Tgt Ion:248 Resp: 16530

Ion Ratio Lower Upper

248 100

250 207.5 76.9 115.3#

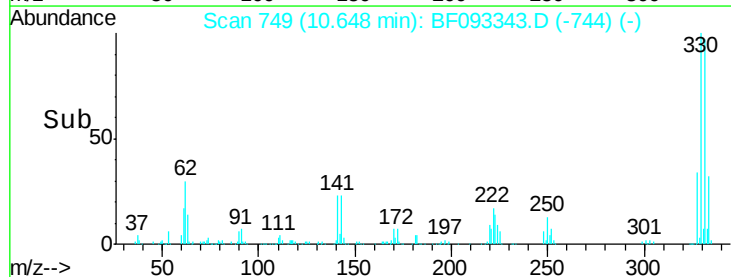
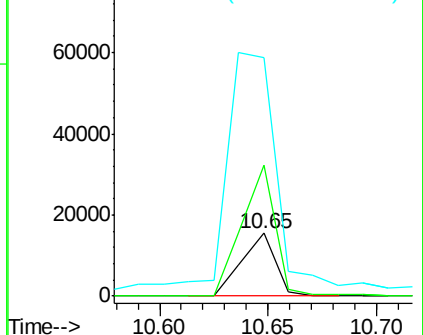
141 379.8 68.2 102.4#

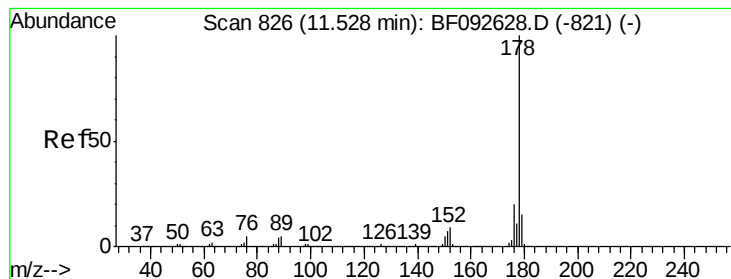


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 65.90 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HY-SB436A

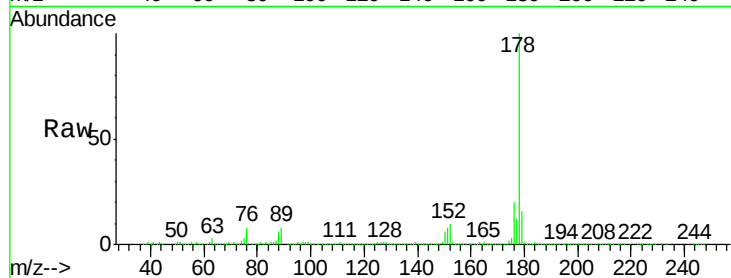
Tgt Ion:178 Resp: 1720966

Ion Ratio Lower Upper

178 100

176 20.3 16.6 25.0

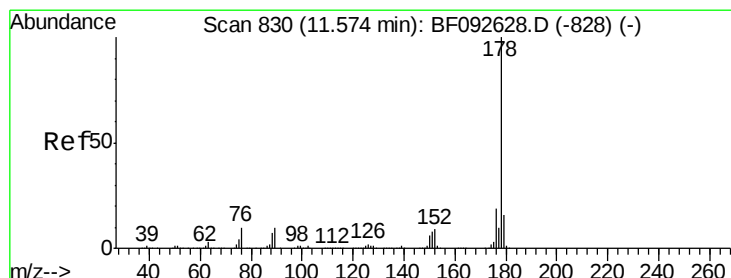
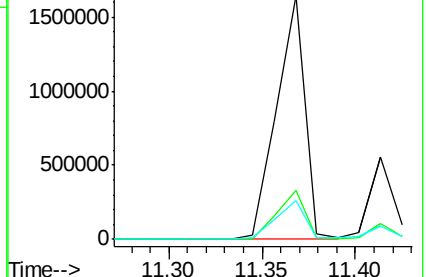
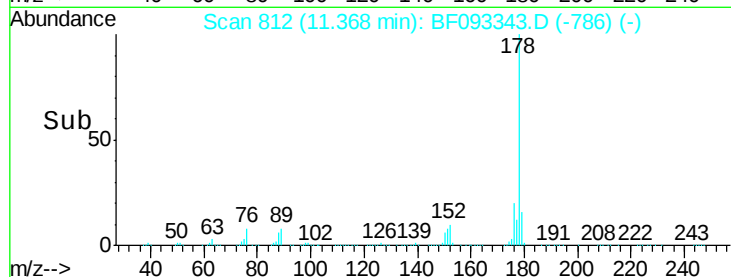
179 15.8 12.8 19.2



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: 18.47 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

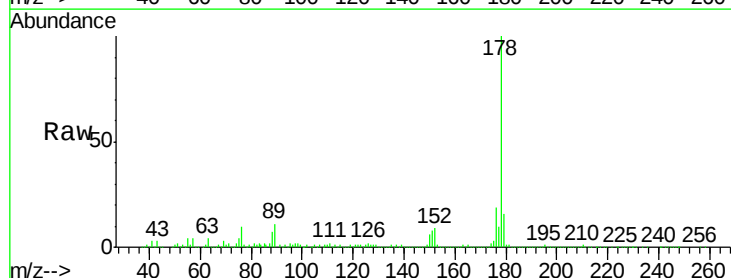
Tgt Ion:178 Resp: 484448

Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

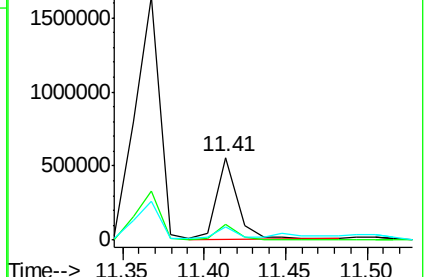
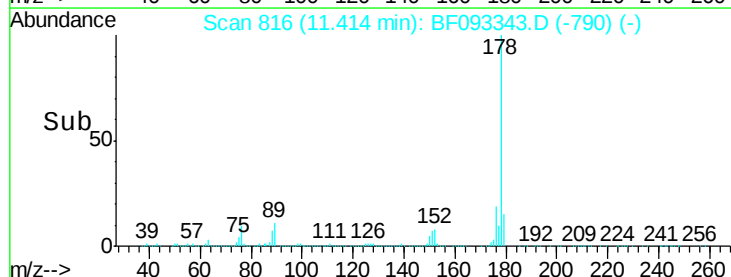
179 16.1 13.2 19.8

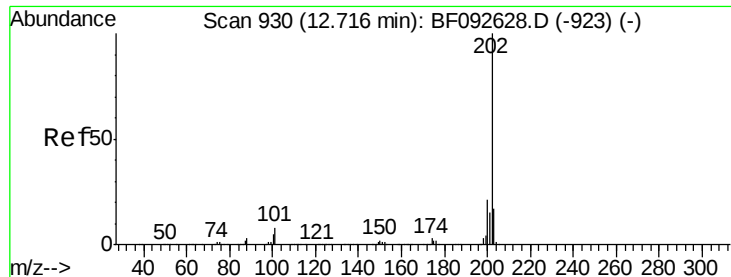


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

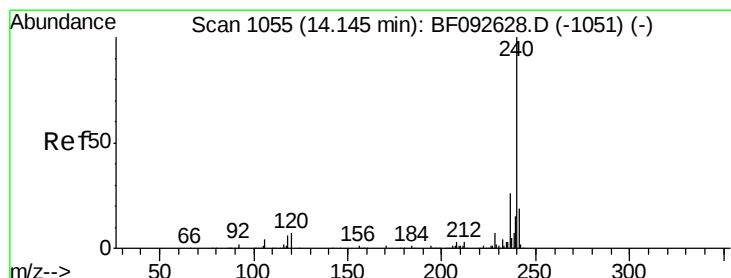
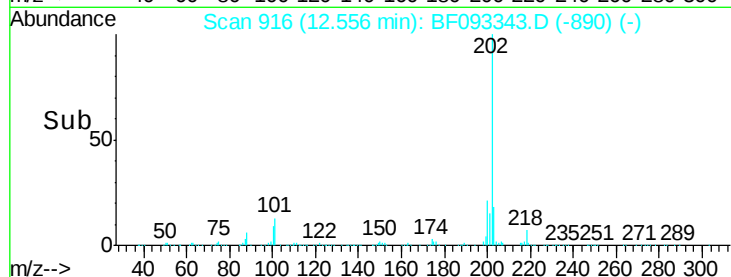
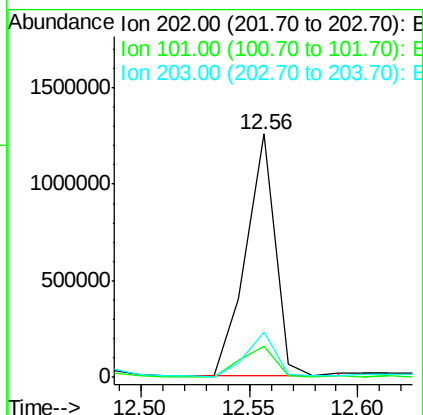
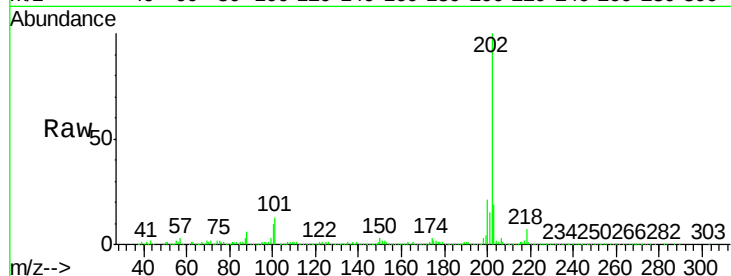




#74
 Fluoranthene
 Concen: 44.39 ng
 RT: 12.56 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

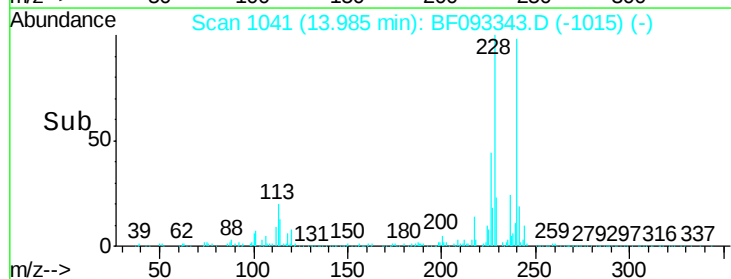
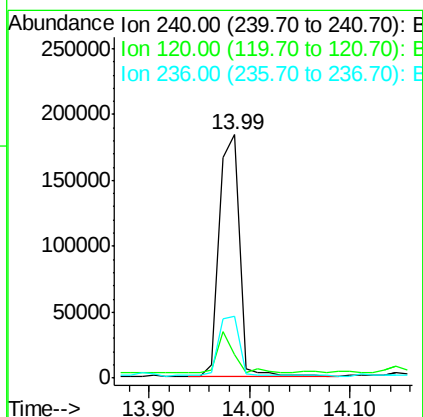
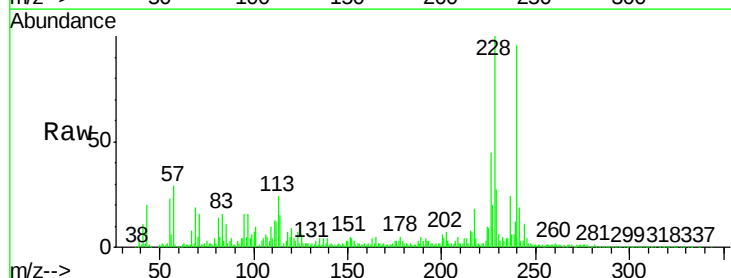
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB436A

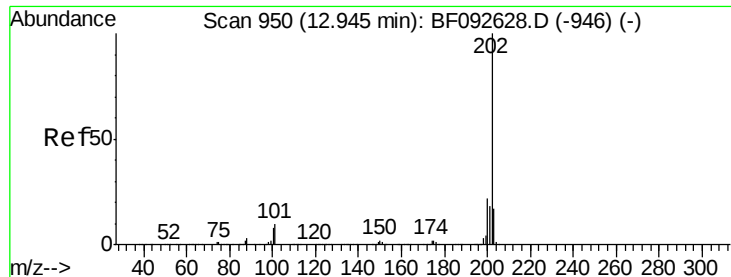
Tgt Ion:202 Resp: 1195702
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 34.6
 203 18.5 0.0 38.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

Tgt Ion:240 Resp: 256370
 Ion Ratio Lower Upper
 240 100
 120 9.8 12.9 19.3#
 236 25.3 20.9 31.3





#77

Pyrene

Concen: 115.31 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HY-SB436A

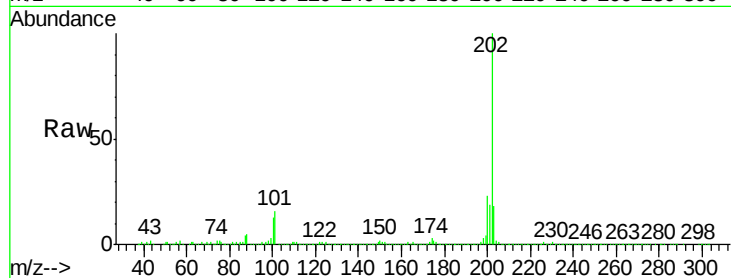
Tgt Ion:202 Resp: 2212284

Ion Ratio Lower Upper

202 100

200 22.5 17.7 26.5

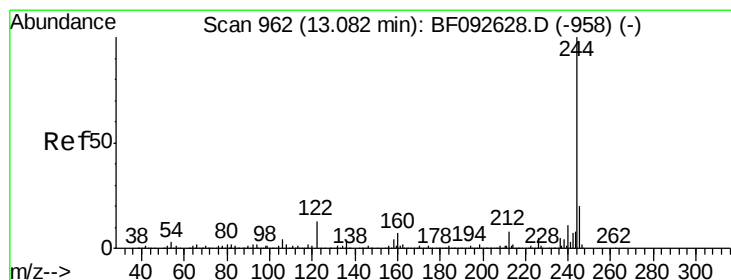
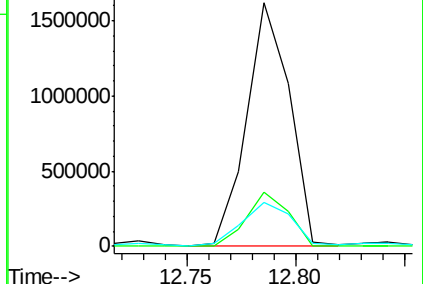
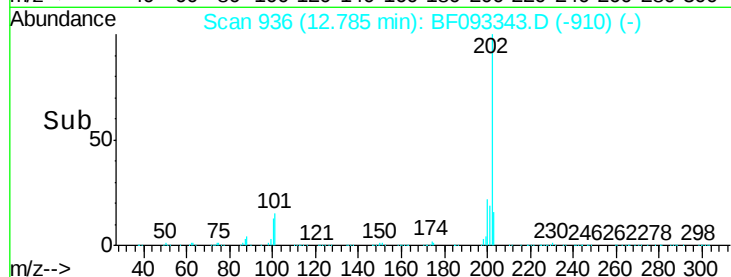
203 18.3 14.7 22.1



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: 67.67 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

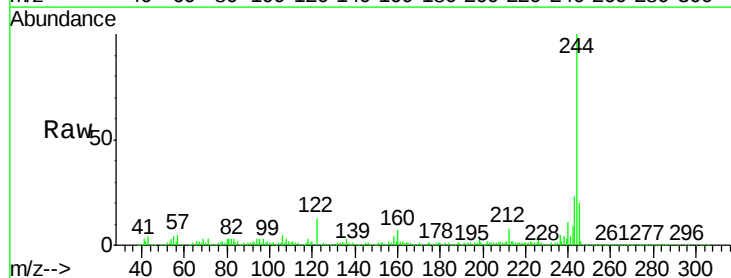
Tgt Ion:244 Resp: 738364

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

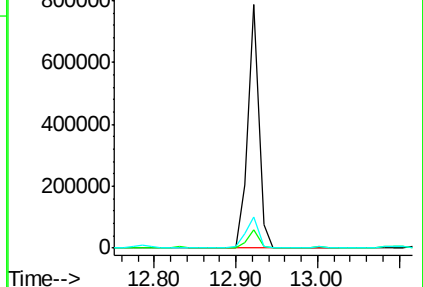
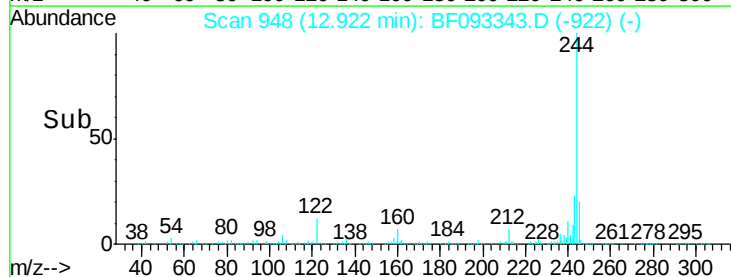
122 12.6 11.4 17.2

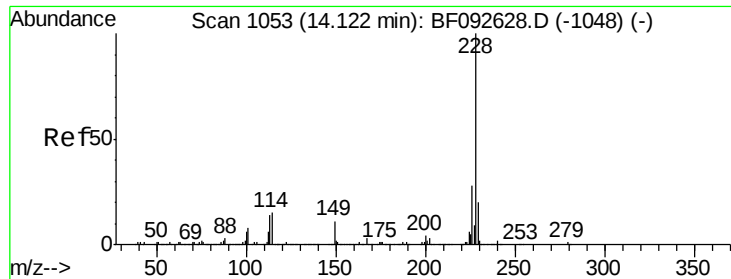


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 54.69 ng

RT: 14.01 min Scan# 1043

Delta R.T. 0.03 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HY-SB436A

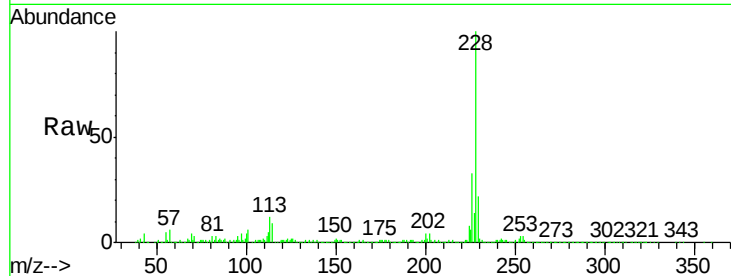
Tgt Ion:228 Resp: 857578

Ion Ratio Lower Upper

228 100

226 32.8 22.4 33.6

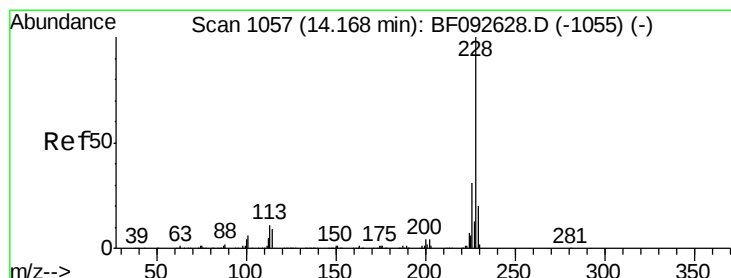
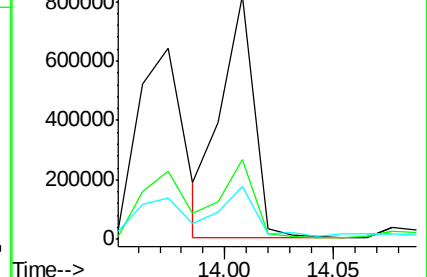
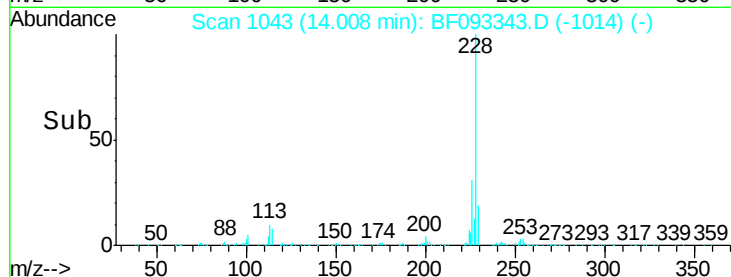
229 21.6 16.2 24.4



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: 58.41 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

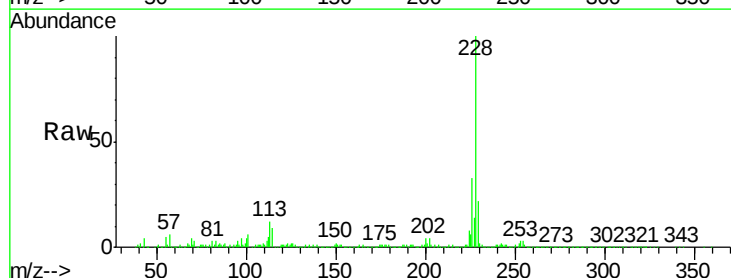
Tgt Ion:228 Resp: 857578

Ion Ratio Lower Upper

228 100

226 32.8 25.4 38.0

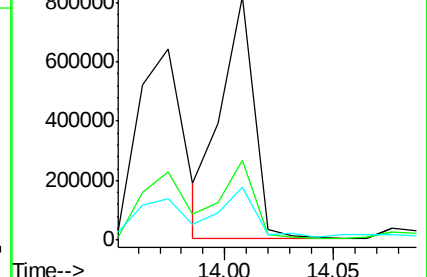
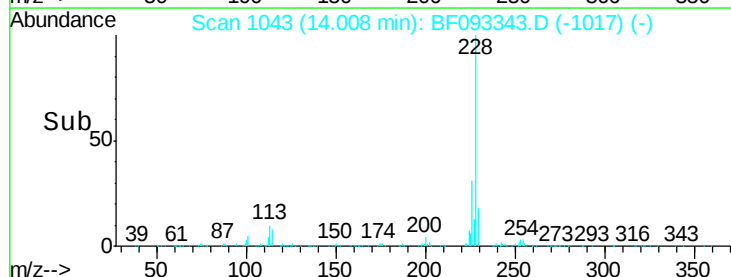
229 21.6 16.2 24.2

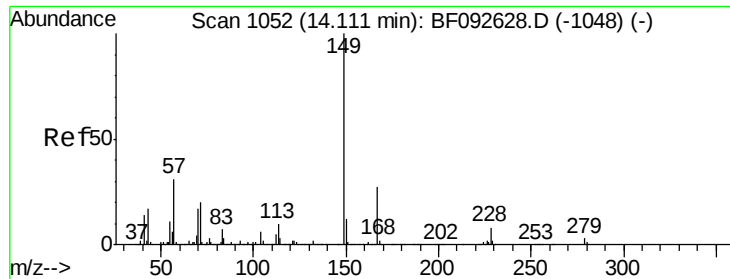


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

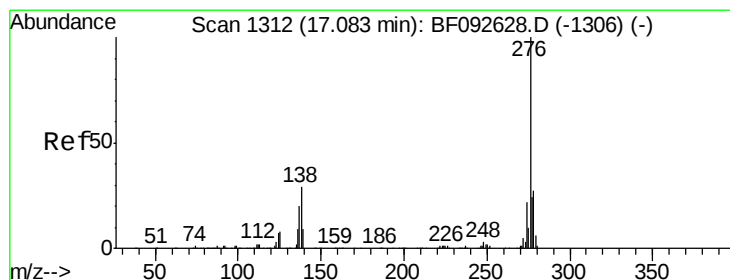
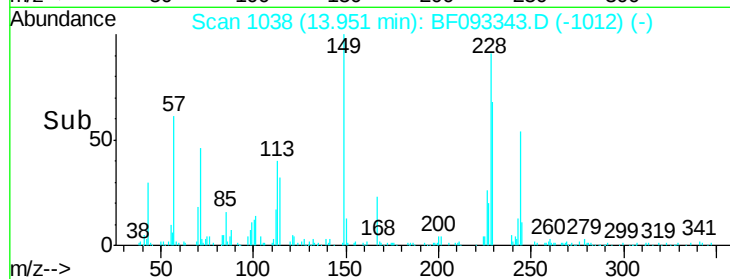
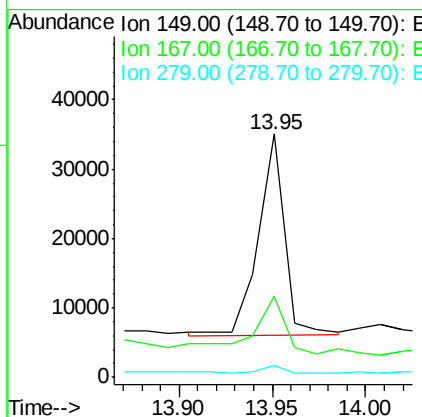
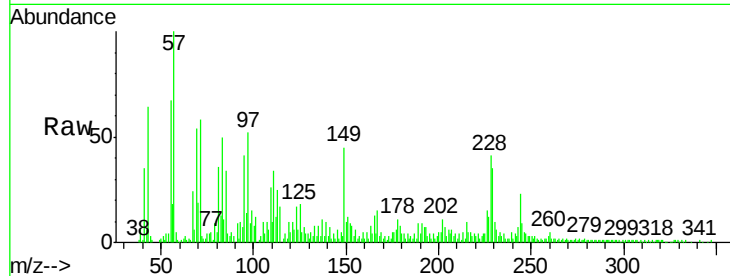




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.71 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

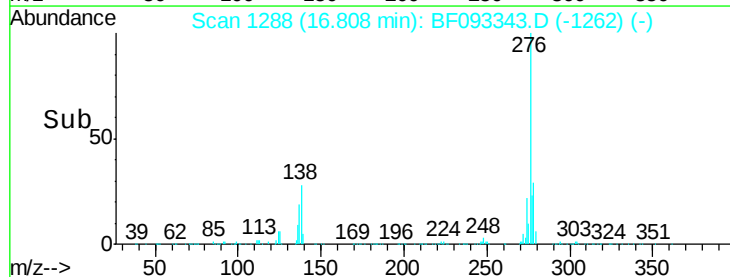
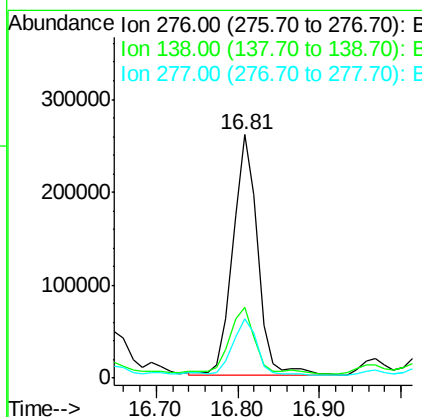
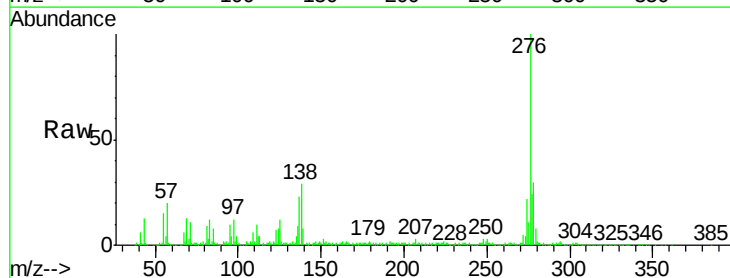
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB436A

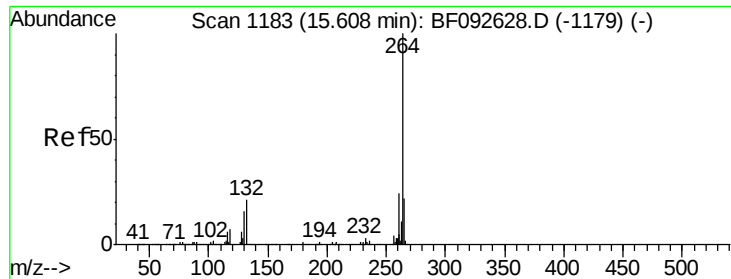
Tgt Ion:149 Resp: 28892
 Ion Ratio Lower Upper
 149 100
 167 33.3 20.2 30.4#
 279 5.0 1.8 2.8#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 47.57 ng
 RT: 16.81 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

Tgt Ion:276 Resp: 540889
 Ion Ratio Lower Upper
 276 100
 138 27.1 21.8 32.6
 277 24.8 20.2 30.4

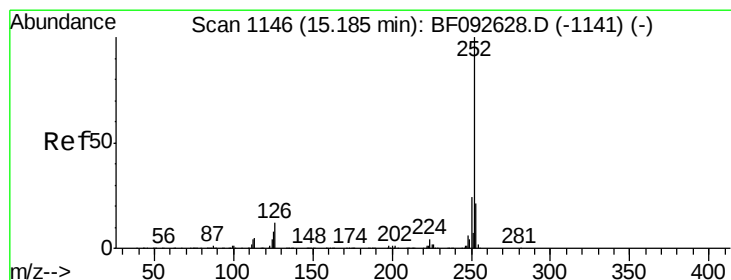
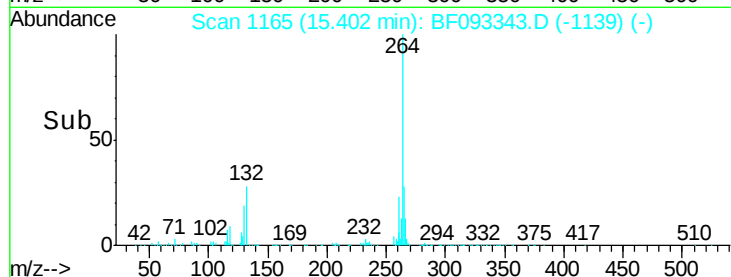
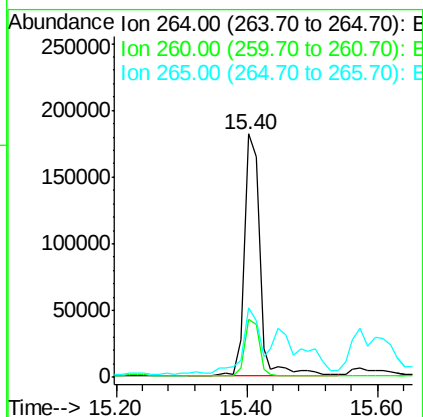
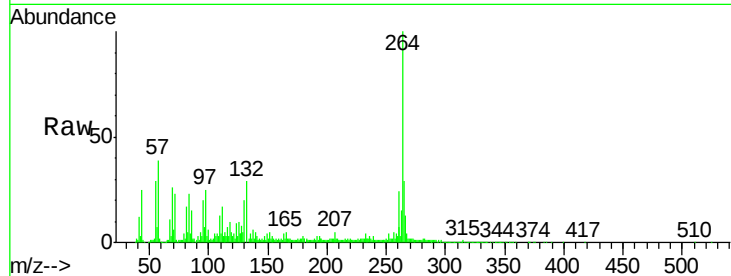




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.00 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

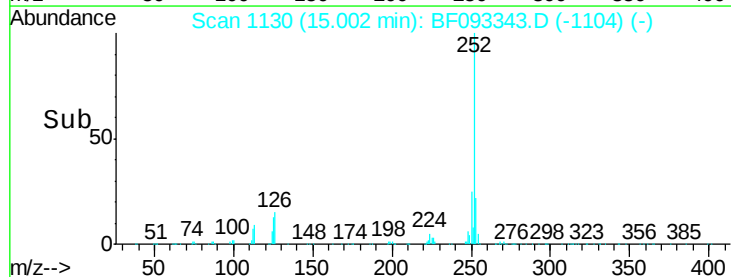
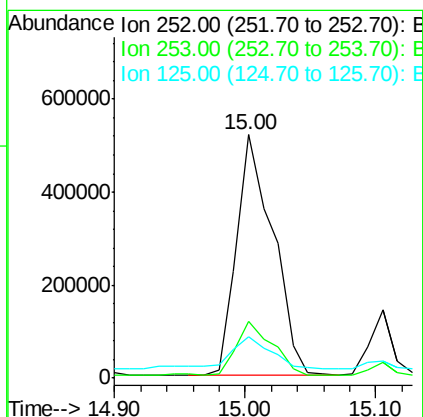
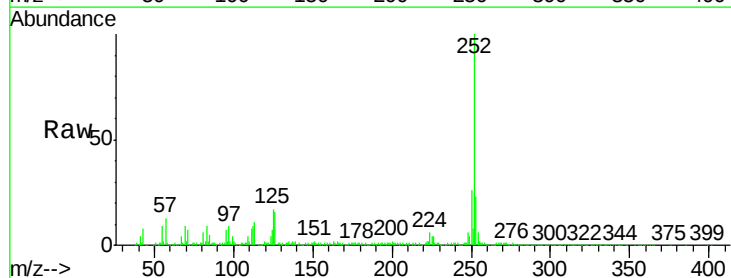
Instrument :
BNA_F
ClientSampleId :
HY-SB436A

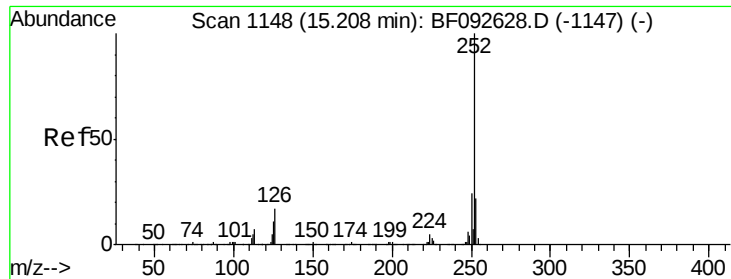
Tgt Ion:264 Resp: 299943
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 28.5 17.4 26.0#



#87
Benzo(b)fluoranthene
Concen: 51.03 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Tgt Ion:252 Resp: 1007533
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.4
125 17.2 9.8 14.6#

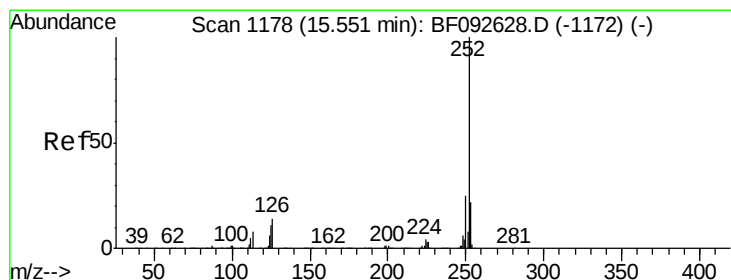
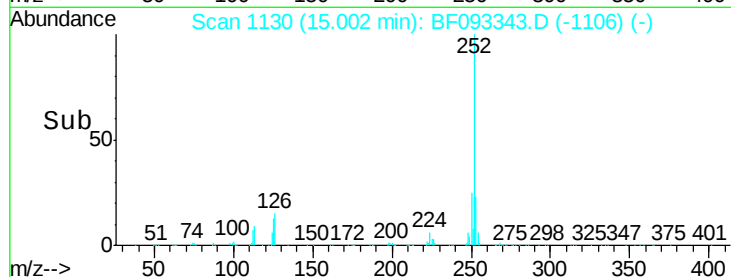
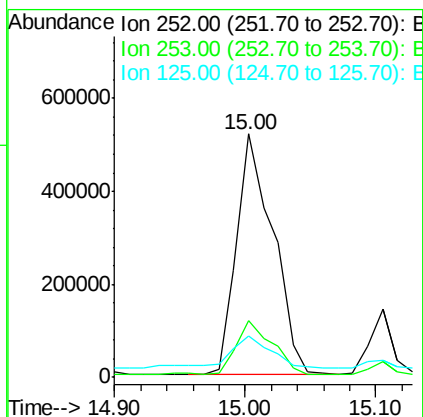
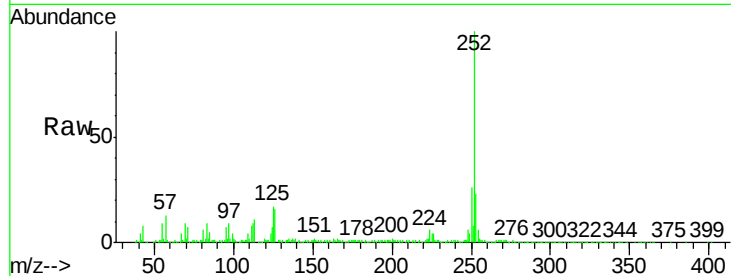




#88
Benzo(k)fluoranthene
Concen: 59.11 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.02 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

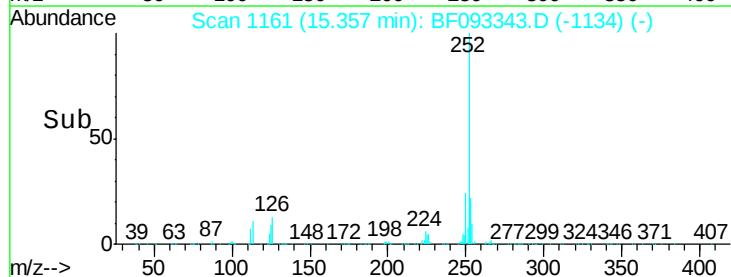
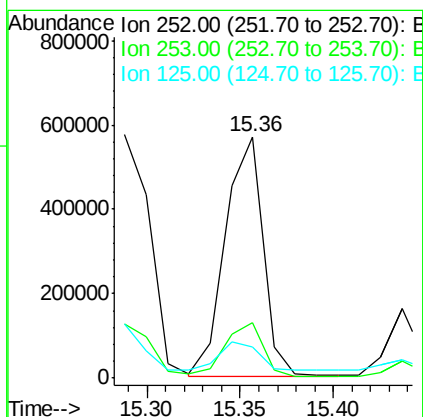
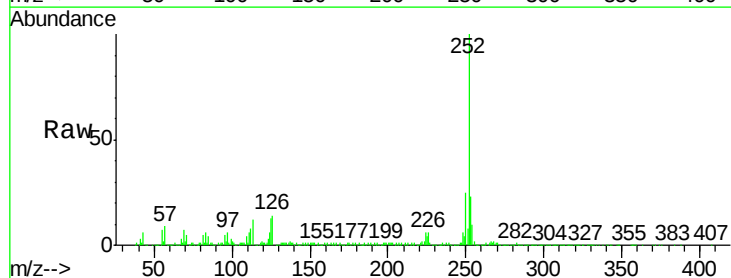
Instrument :
BNA_F
ClientSampleId :
HY-SB436A

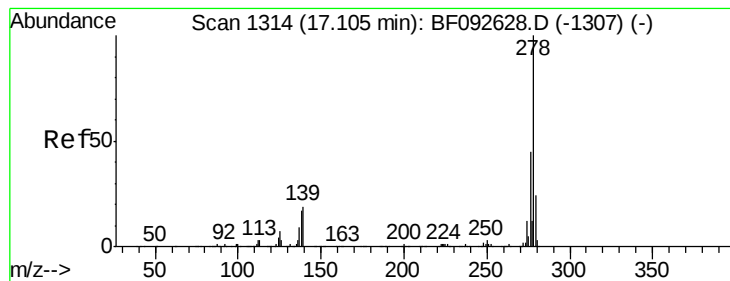
Tgt Ion:252 Resp: 1007533
Ion Ratio Lower Upper
252 100
253 23.3 18.5 27.7
125 17.2 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 47.51 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Tgt Ion:252 Resp: 811288
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 12.9 10.0 15.0





#90

Dibenzo(a,h)anthracene

Concen: 11.26 ng

RT: 16.81 min Scan# 1288

Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HY-SB436A

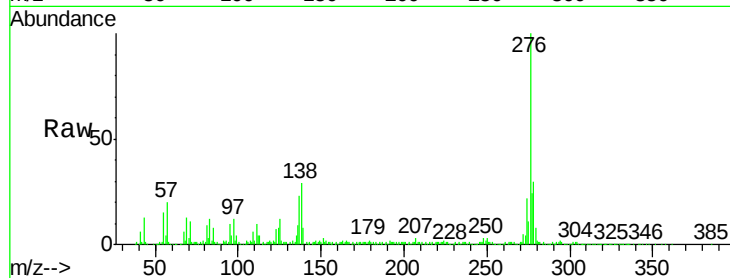
Tgt Ion:278 Resp: 155390

Ion Ratio Lower Upper

278 100

139 26.1 14.8 22.2#

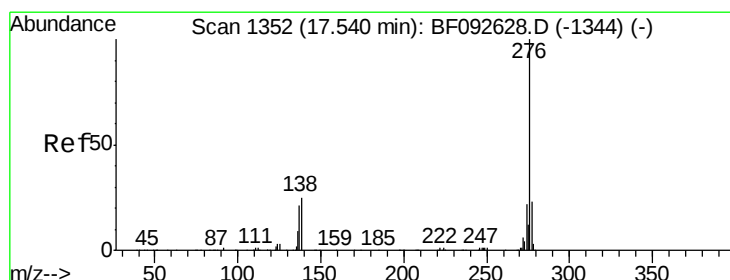
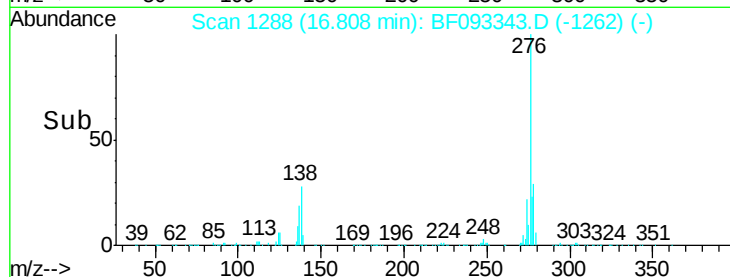
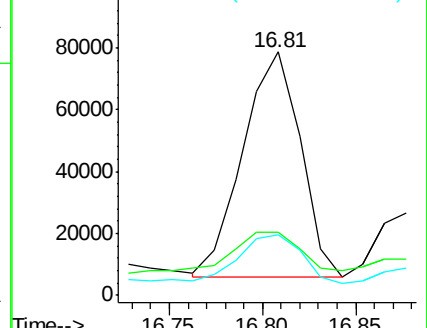
279 25.0 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 59.45 ng

RT: 17.24 min Scan# 1326

Delta R.T. 0.02 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

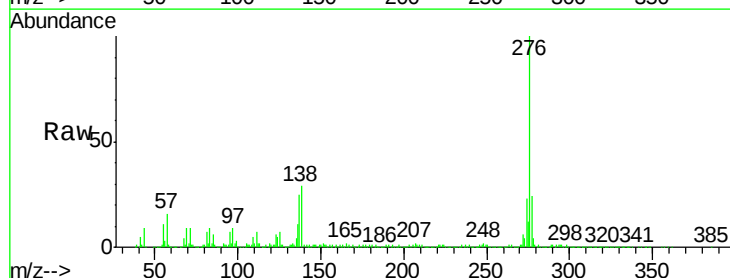
Tgt Ion:276 Resp: 828963

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 28.6 16.0 24.0#



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

