

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030817\
 Data File : BF093452.D
 Acq On : 9 Mar 2017 2:07
 Operator : SJ/MA
 Sample : I2133-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB415B

Quant Time: Mar 09 03:07:14 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	163403	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	636185	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	270596	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	391560	20.00	ng	0.01
75) Chrysene-d12	13.93	240	323601	20.00	ng	0.01
86) Perylene-d12	15.35	264	273930	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1066852	108.66	ng	0.01
7) Phenol-d6	6.42	99	1390630	112.32	ng	0.01
23) Nitrobenzene-d5	7.34	82	755296	65.87	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	183190	103.91	ng	0.01
44) 2-Fluorobiphenyl	9.13	172	1008594	69.33	ng	0.00
78) Terphenyl-d14	12.87	244	535220	43.00	ng	0.00

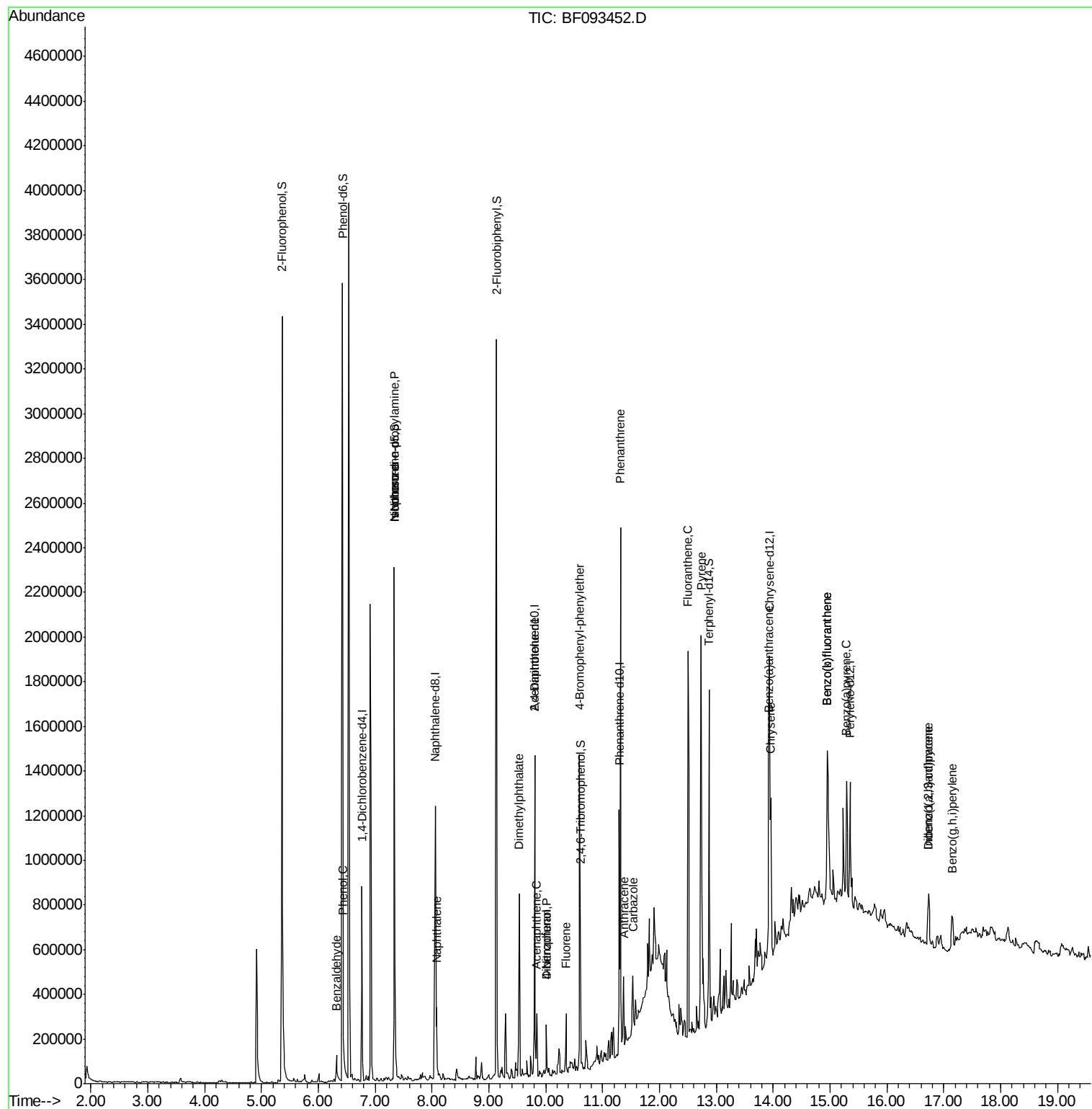
Target Compounds						Qvalue
9) Benzaldehyde	6.32	77	38261	3.32	ng	99
10) Phenol	6.44	94	35031	2.31	ng	88
19) n-Nitroso-di-n-propylamine	7.34	70	105220	12.36	ng	# 81
25) Isophorone	7.34	82	689701	29.83	ng	# 65
31) Naphthalene	8.08	128	155795	4.89	ng	99
49) Dimethylphthalate	9.53	163	323927	18.06	ng	99
51) Acenaphthene	9.84	154	61855	4.20	ng	94
54) Dibenzofuran	10.01	168	85201	4.63	ng	93
55) 4-Nitrophenol	10.01	139	30566	13.31	ng	# 7
56) 2,4-Dinitrotoluene	9.81	165	37624	7.78	ng	# 20
57) Fluorene	10.36	166	75710	4.85	ng	98
66) 4-Bromophenyl-phenylether	10.60	248	13118	3.17	ng	# 1
70) Phenanthrene	11.32	178	832365	37.24	ng	99
71) Anthracene	11.37	178	188880	8.35	ng	96
72) Carbazole	11.53	167	98882	4.66	ng	97
74) Fluoranthene	12.51	202	903355	41.84	ng	97
77) Pyrene	12.73	202	785732	33.39	ng	98
80) Benzo(a)anthracene	13.92	228	430291	22.52	ng	99
82) Chrysene	13.96	228	338351	19.14	ng	97
85) Indeno(1,2,3-cd)pyrene	16.73	276	144626	9.77	ng	99
87) Benzo(b)fluoranthene	14.95	252	536691	32.17	ng	# 95
88) Benzo(k)fluoranthene	14.95	252	536691	33.36	ng	# 95
89) Benzo(a)pyrene	15.29	252	282562	18.53	ng	# 95
90) Dibenzo(a,h)anthracene	16.73	278	33528	2.66	ng	# 75
91) Benzo(g,h,i)perylene	17.16	276	132221	10.21	ng	# 92

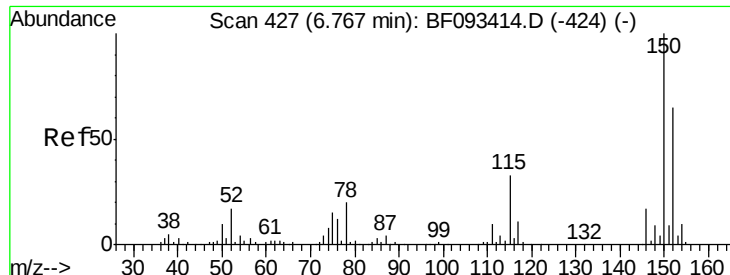
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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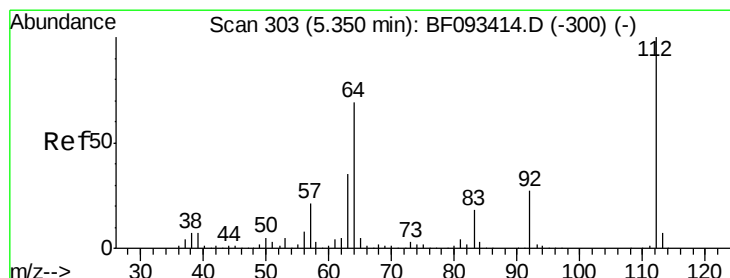
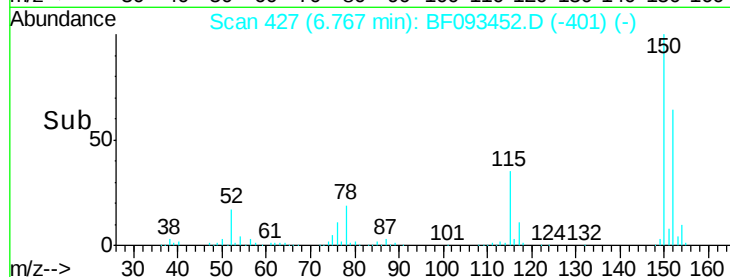
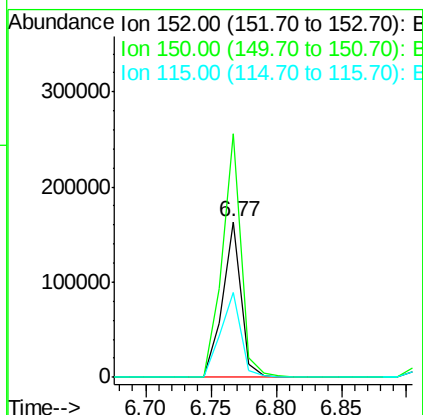
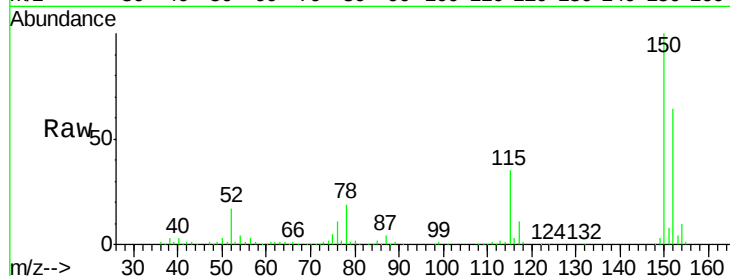




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: BF093452.D
 Acq: 9 Mar 2017 2:07

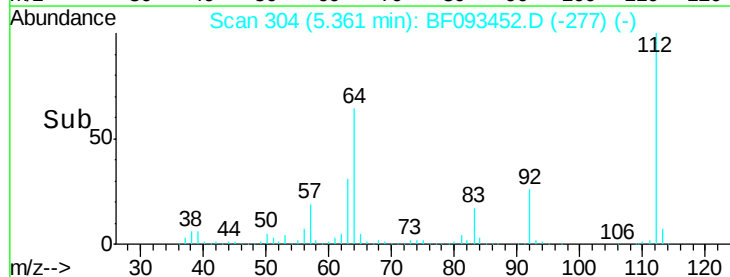
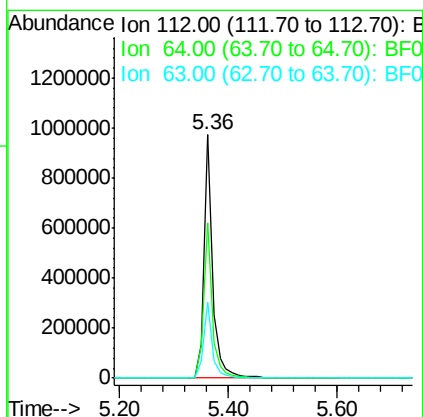
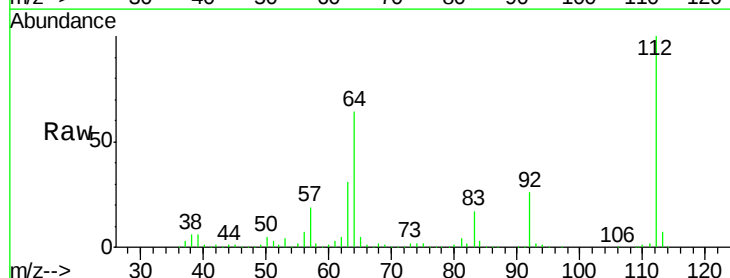
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB415B

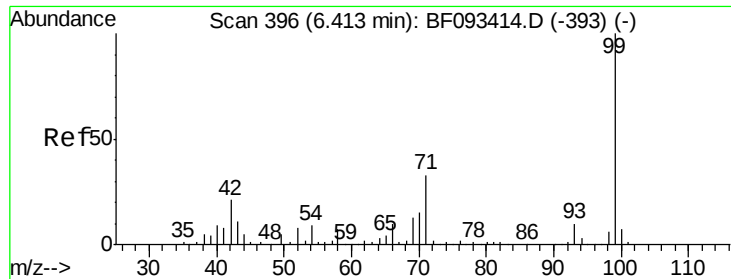
Tgt Ion:152 Resp: 163403
 Ion Ratio Lower Upper
 152 100
 150 156.3 124.9 187.3
 115 54.6 46.0 69.0



#5
 2-Fluorophenol
 Concen: 108.66 ng
 RT: 5.36 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: BF093452.D
 Acq: 9 Mar 2017 2:07

Tgt Ion:112 Resp: 1066852
 Ion Ratio Lower Upper
 112 100
 64 63.8 46.1 69.1
 63 31.2 23.8 35.6





#7

Phenol-d6

Concen: 112.32 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

Instrument :

BNA_F

ClientSampleId :

HY-SB415B

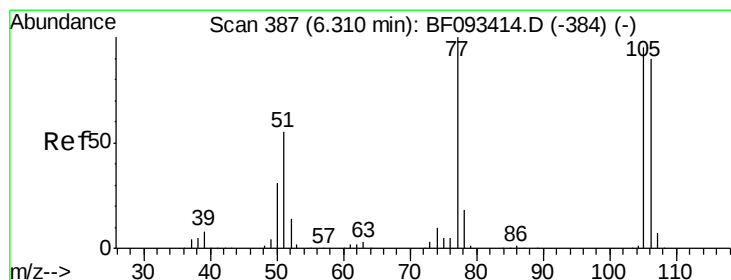
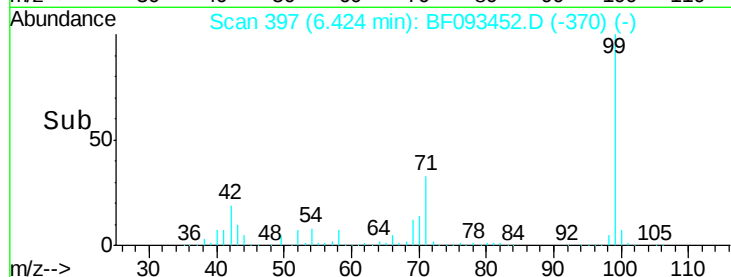
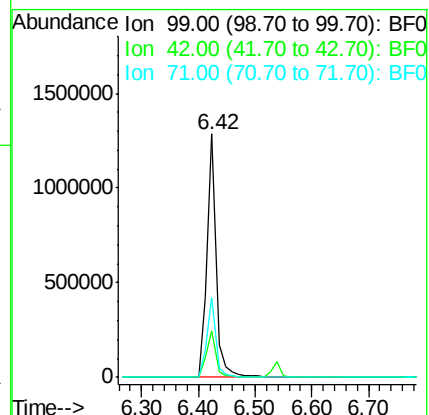
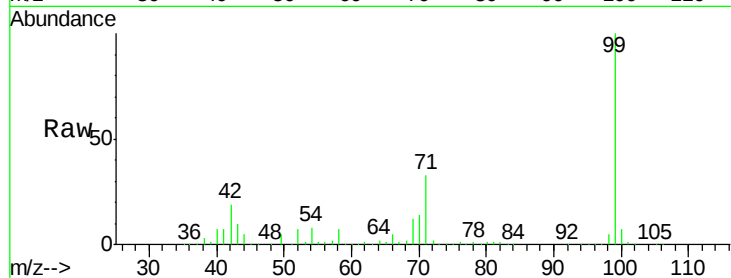
Tgt Ion: 99 Resp: 1390630

Ion Ratio Lower Upper

99 100

42 19.3 15.6 23.4

71 32.7 27.5 41.3



#9

Benzaldehyde

Concen: 3.32 ng

RT: 6.32 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

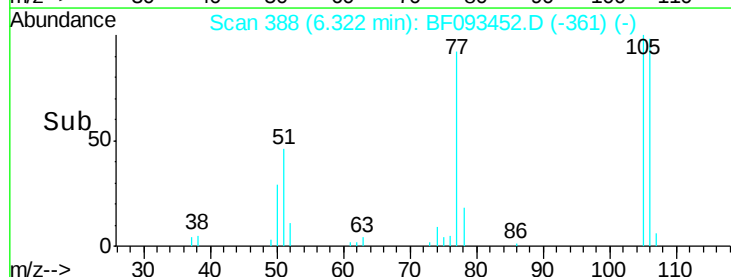
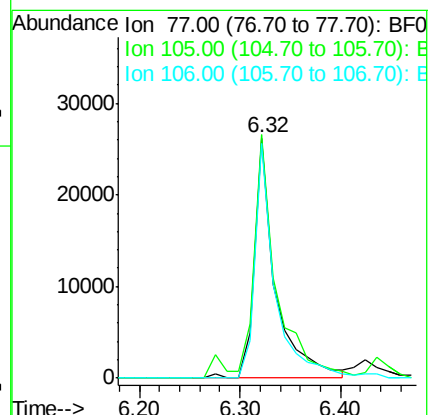
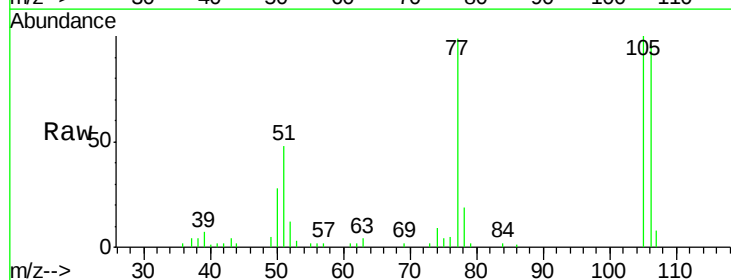
Tgt Ion: 77 Resp: 38261

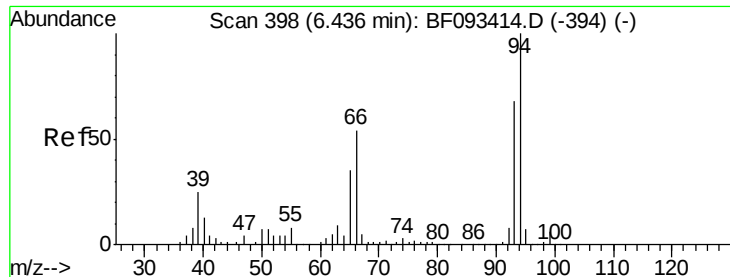
Ion Ratio Lower Upper

77 100

105 101.4 83.9 123.9

106 97.7 77.6 117.6





#10

Phenol

Concen: 2.31 ng

RT: 6.44 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

Instrument :

BNA_F

ClientSampleId :

HY-SB415B

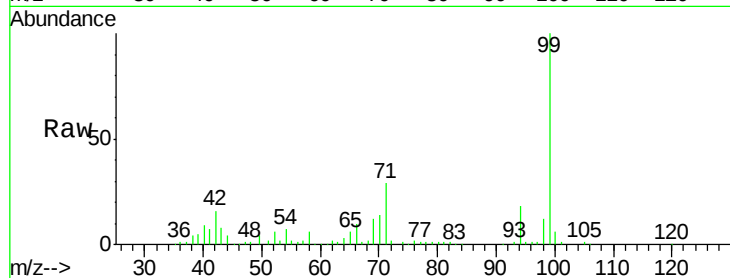
Tgt Ion: 94 Resp: 35031

Ion Ratio Lower Upper

94 100

65 32.0 21.4 61.4

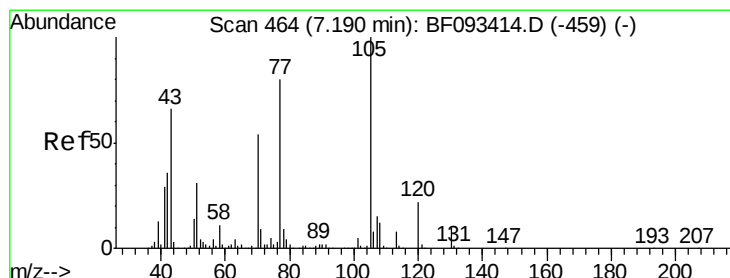
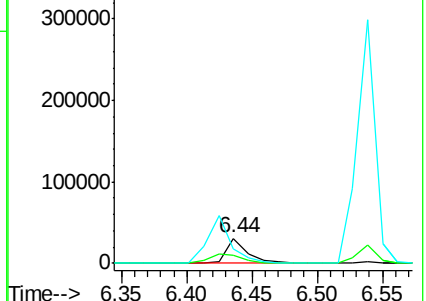
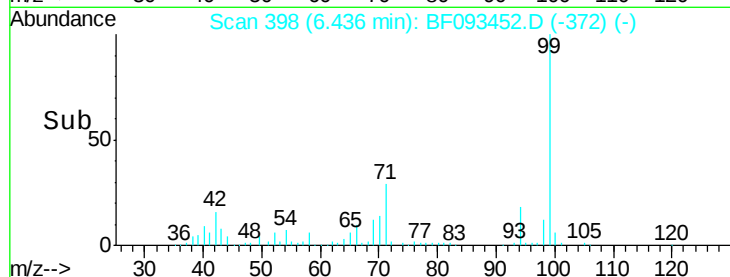
66 55.7 44.0 84.0



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: 12.36 ng

RT: 7.34 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

Tgt Ion: 70 Resp: 105220

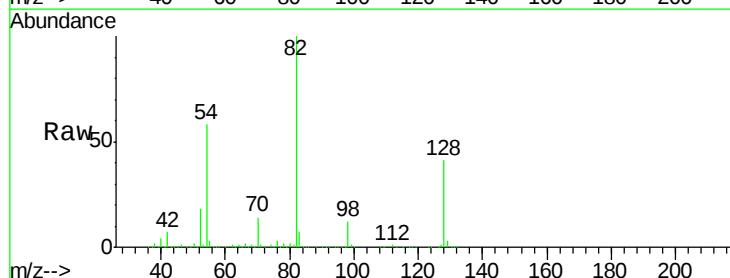
Ion Ratio Lower Upper

70 100

42 52.0 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

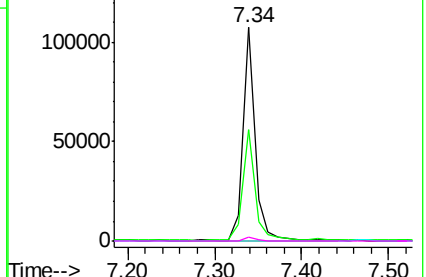
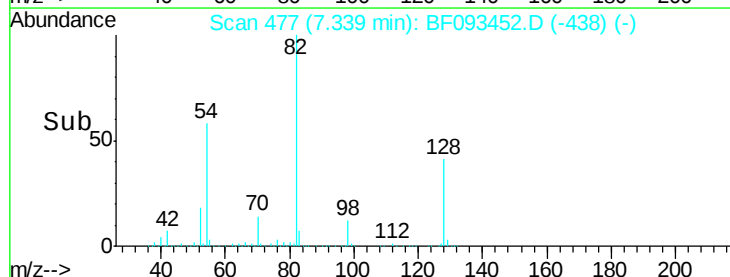


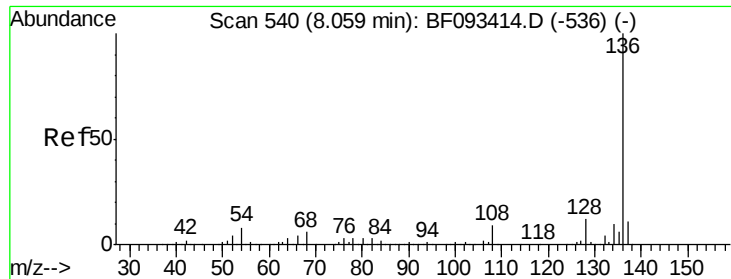
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

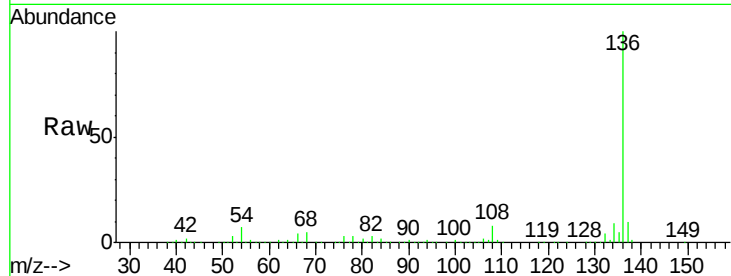




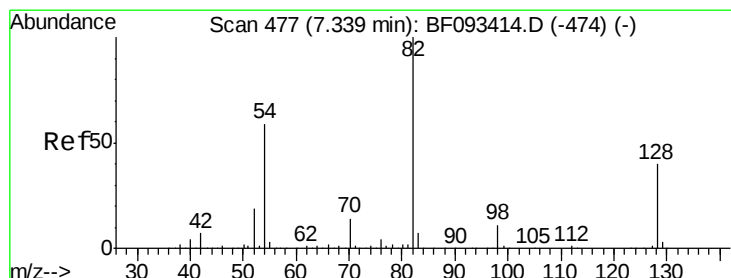
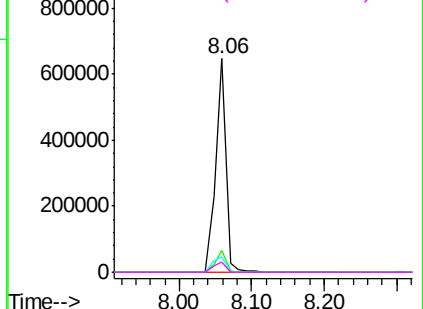
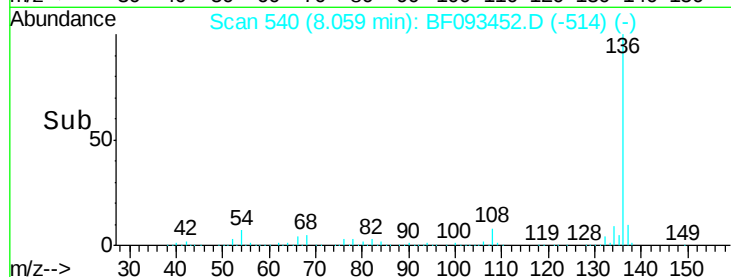
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF093452.D
Acq: 9 Mar 2017 2:07

Instrument :
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Tgt Ion:	136	Resp:	636185
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.4	12.6
54	7.3	4.5	6.7#
68	5.1	3.6	5.4

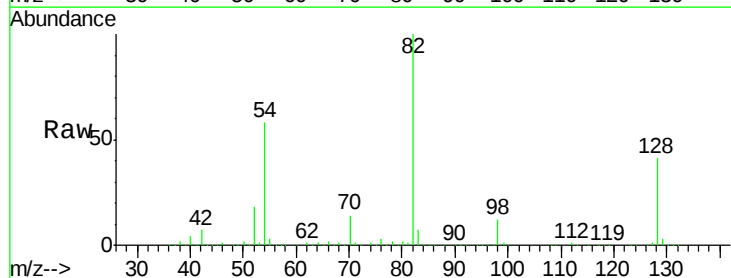


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

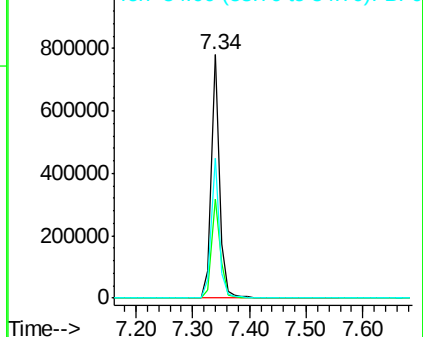
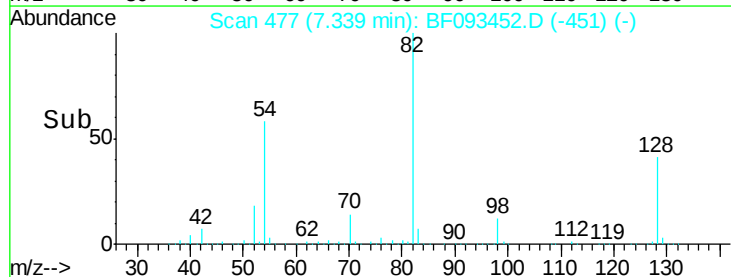


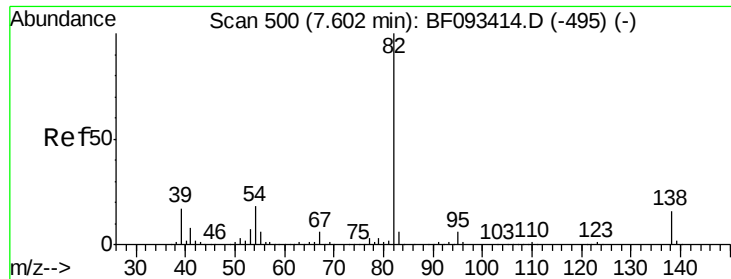
#23
Nitrobenzene-d5
Concen: 65.87 ng
RT: 7.34 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF093452.D
Acq: 9 Mar 2017 2:07

Tgt Ion:	82	Resp:	755296
Ion	Ratio	Lower	Upper
82	100		
128	40.9	34.6	52.0
54	57.7	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





#25

Isophorone

Concen: 29.83 ng

RT: 7.34 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

Instrument :

BNA_F

ClientSampleId :

HY-SB415B

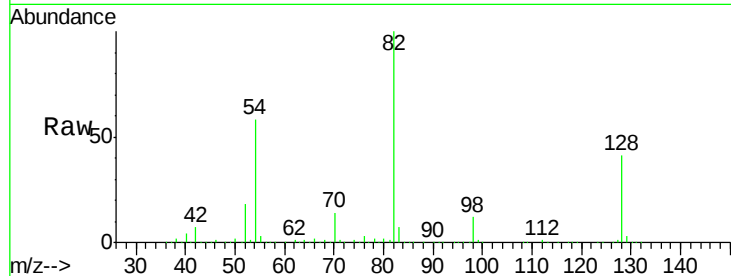
Tgt Ion: 82 Resp: 689701

Ion Ratio Lower Upper

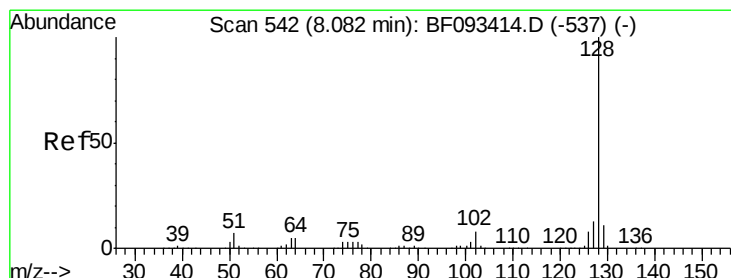
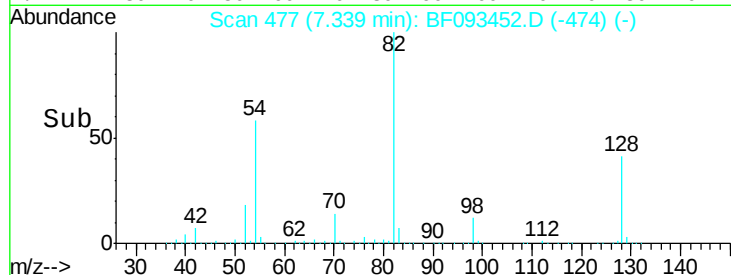
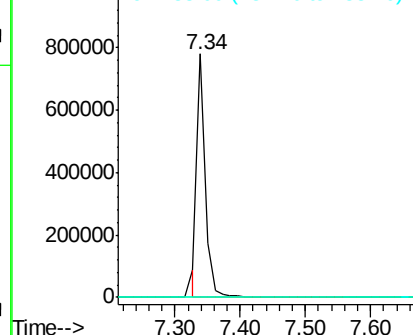
82 100

95 0.1 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): E



#31

Naphthalene

Concen: 4.89 ng

RT: 8.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

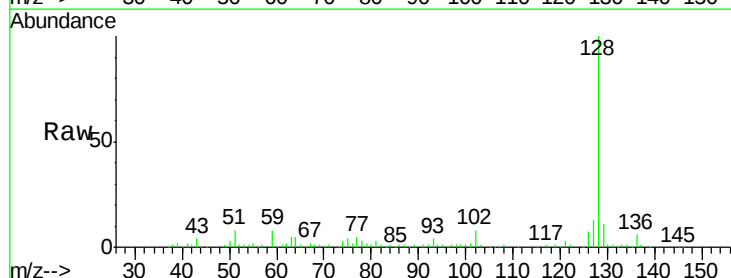
Tgt Ion: 128 Resp: 155795

Ion Ratio Lower Upper

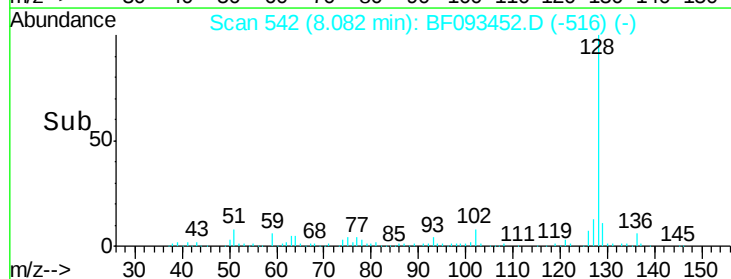
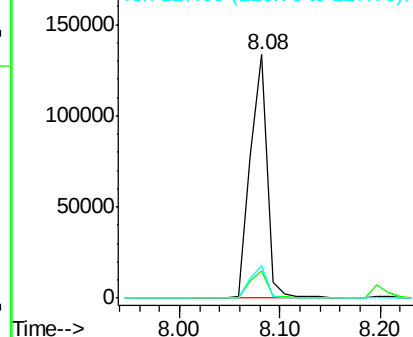
128 100

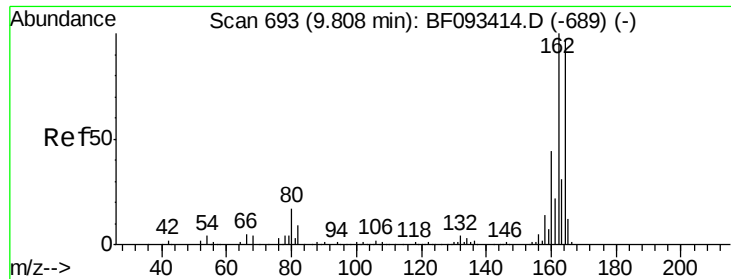
129 11.1 9.5 14.3

127 13.1 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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

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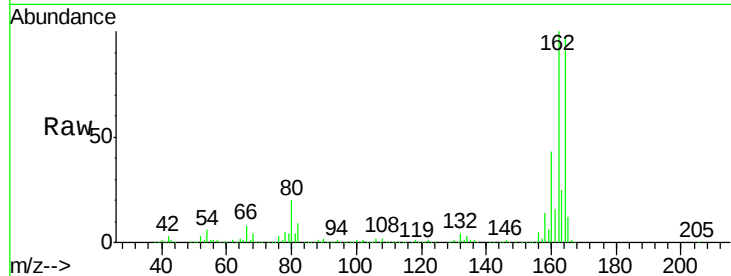
Tgt Ion:164 Resp: 270596

Ion Ratio Lower Upper

164 100

162 103.2 80.2 120.2

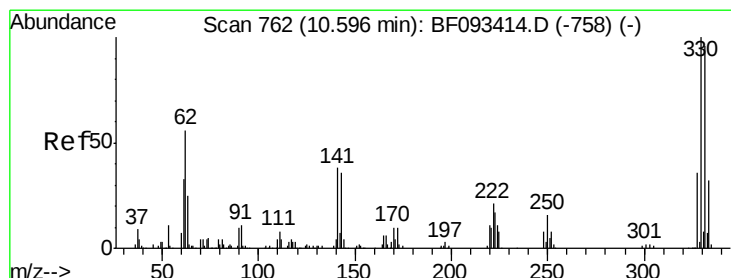
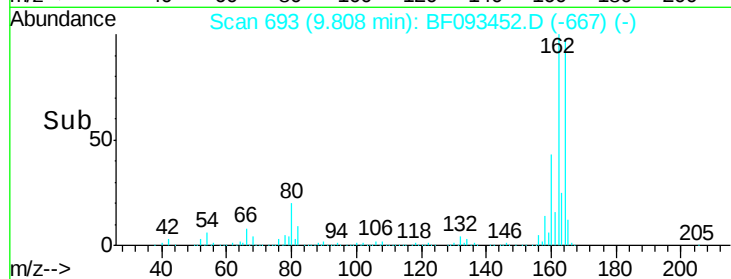
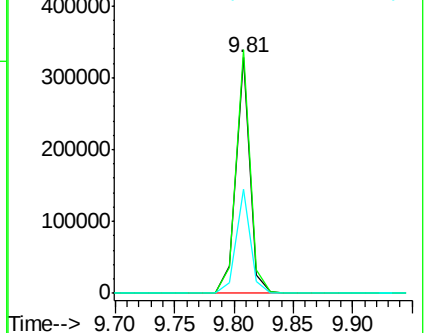
160 43.9 36.9 55.3



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: 103.91 ng

RT: 10.61 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

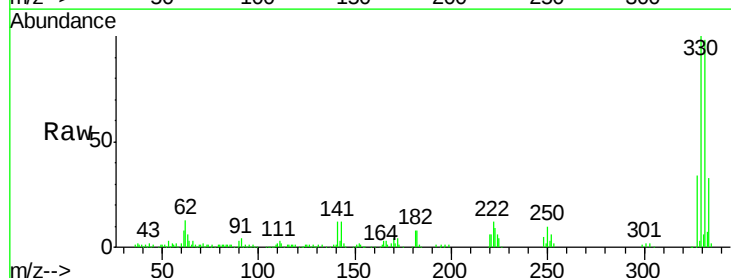
Tgt Ion:330 Resp: 183190

Ion Ratio Lower Upper

330 100

332 97.7 77.4 116.2

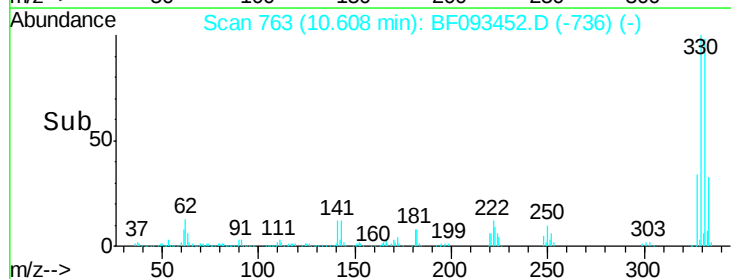
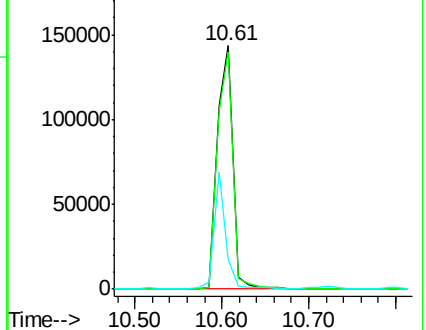
141 36.8 34.1 51.1

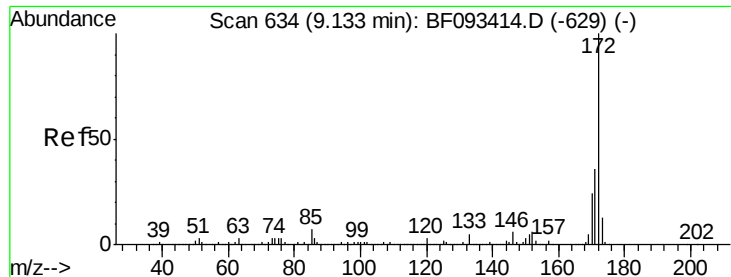


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

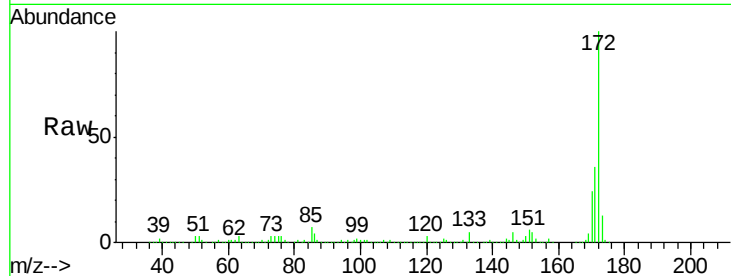




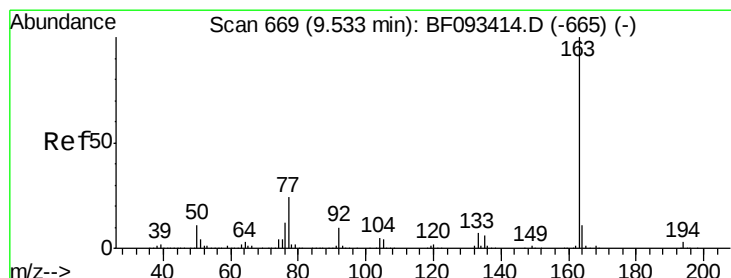
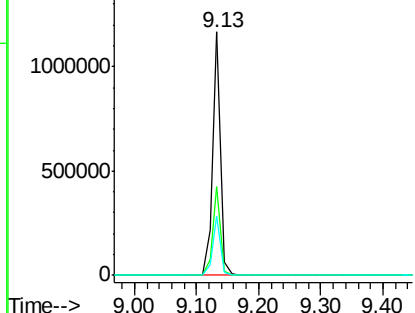
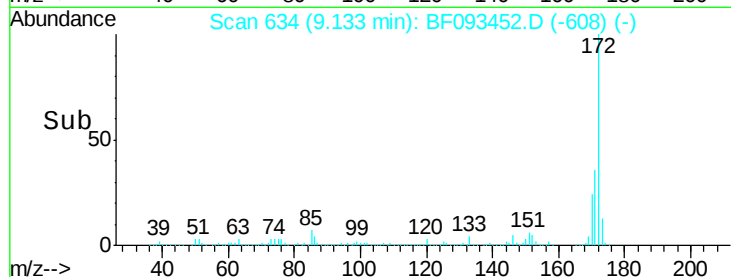
#44
 2-Fluorobiphenyl
 Concen: 69.33 ng
 RT: 9.13 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: BF093452.D
 Acq: 9 Mar 2017 2:07

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB415B

Tgt Ion:172 Resp: 1008594
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.1 20.2 30.4

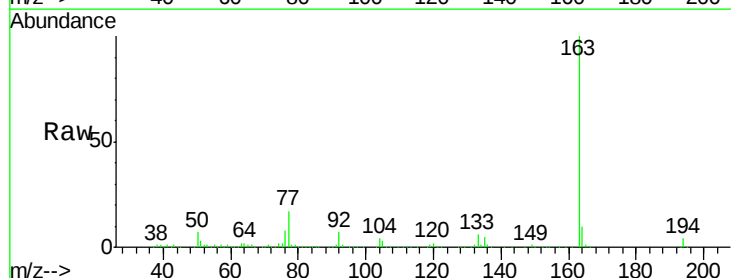


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

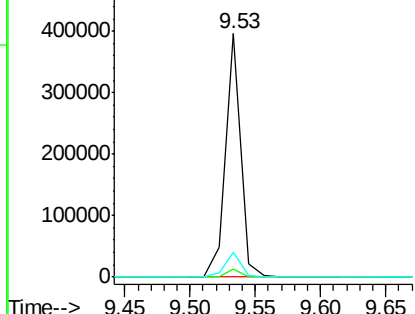
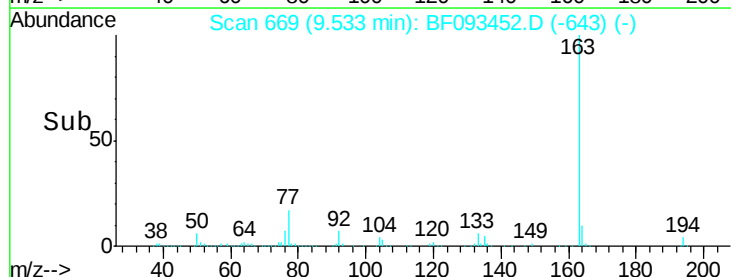


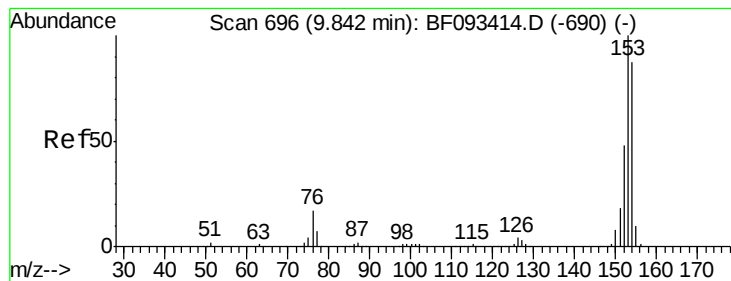
#49
 Dimethylphthalate
 Concen: 18.06 ng
 RT: 9.53 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: BF093452.D
 Acq: 9 Mar 2017 2:07

Tgt Ion:163 Resp: 323927
 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: 4.20 ng

RT: 9.84 min Scan# 696

Delta R.T. -0.00 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

Instrument :

BNA_F

ClientSampleId :

HY-SB415B

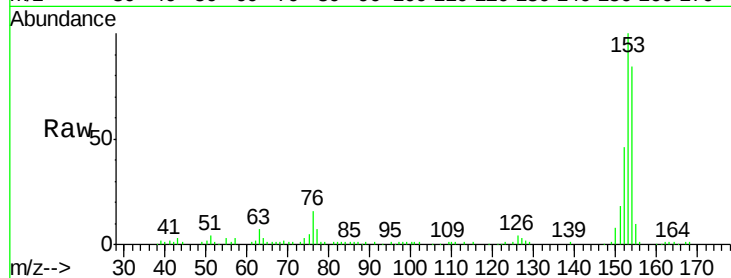
Tgt Ion:154 Resp: 61855

Ion Ratio Lower Upper

154 100

153 118.4 88.6 133.0

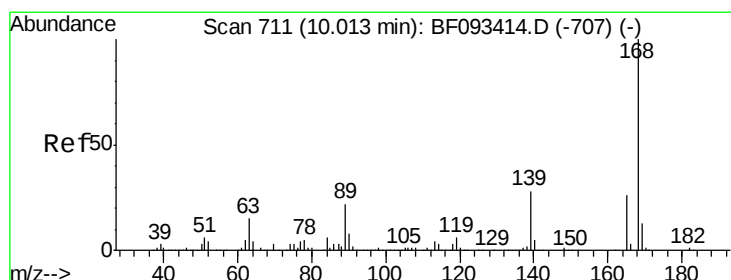
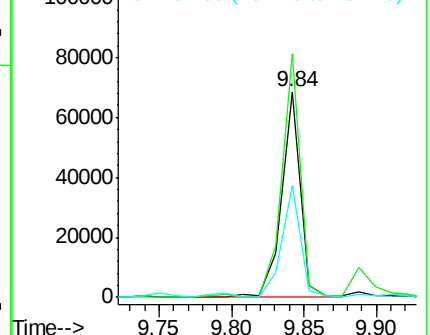
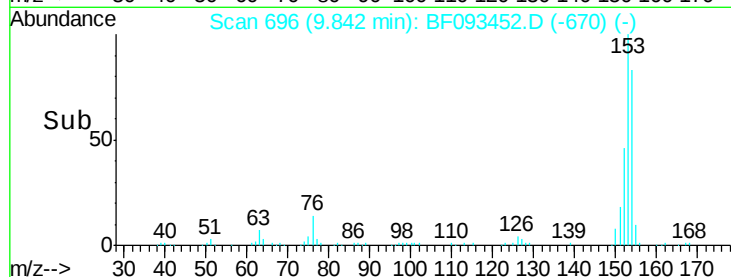
152 54.7 41.6 62.4



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



#54

Dibenzofuran

Concen: 4.63 ng

RT: 10.01 min Scan# 711

Delta R.T. -0.00 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

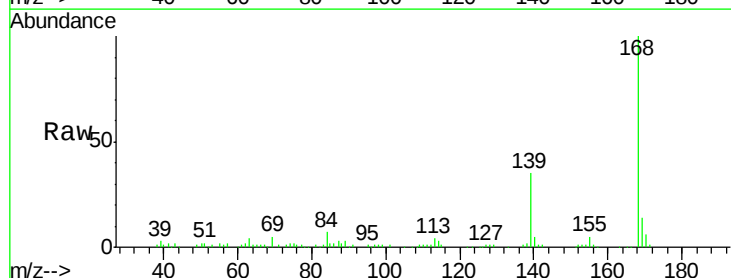
Tgt Ion:168 Resp: 85201

Ion Ratio Lower Upper

168 100

139 35.3 32.6 49.0

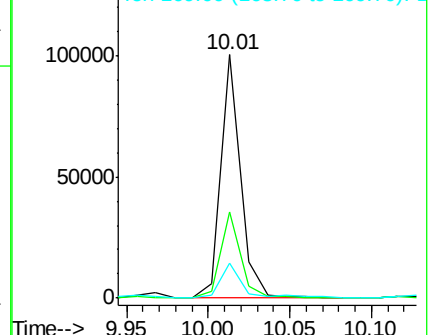
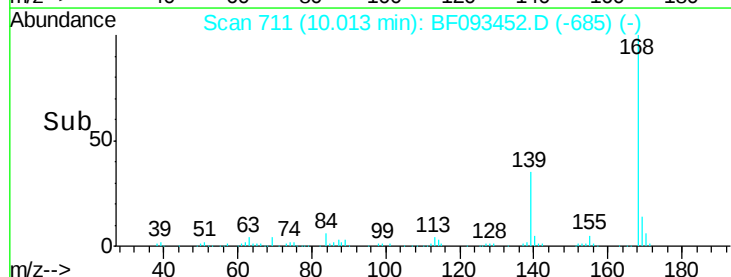
169 14.4 11.3 16.9

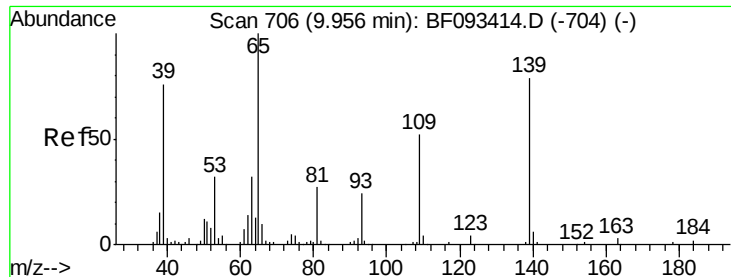


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

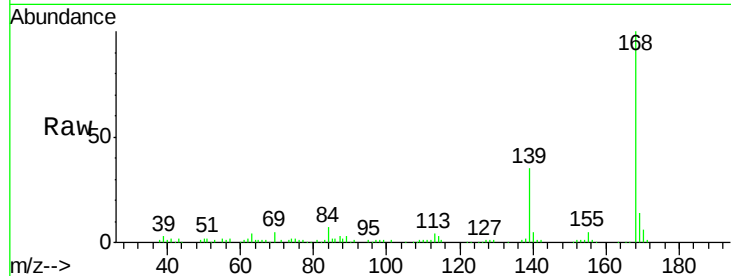




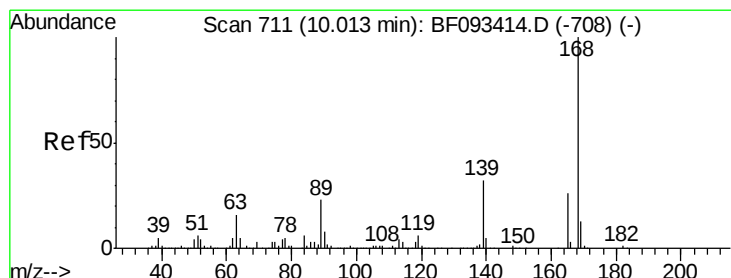
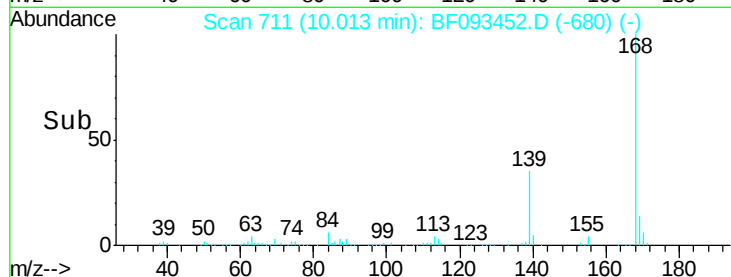
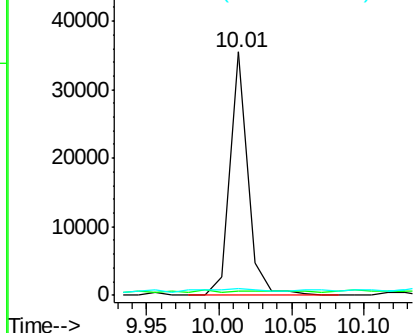
#55
4-Nitrophenol
Concen: 13.31 ng
RT: 10.01 min Scan# 711
Delta R.T. 0.06 min
Lab File: BF093452.D
Acq: 9 Mar 2017 2:07

Instrument :
BNA_F
ClientSampleId :
HY-SB415B

Tgt Ion:139 Resp: 30566
Ion Ratio Lower Upper
139 100
109 1.8 52.2 92.2#
65 3.0 85.8 125.8#

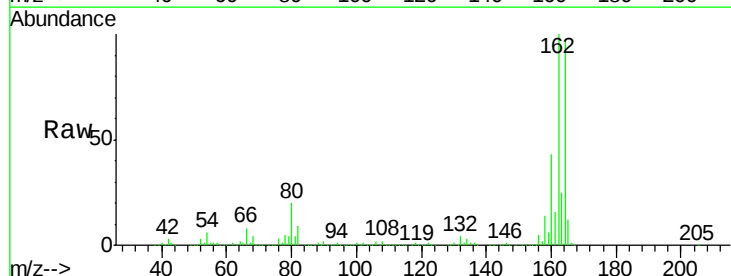


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

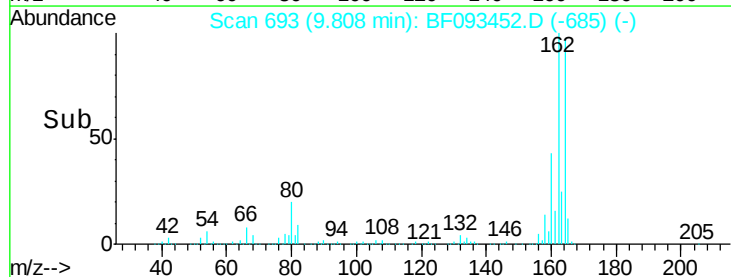
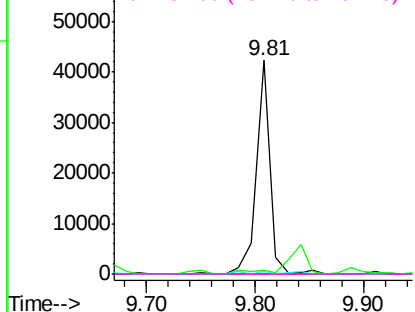


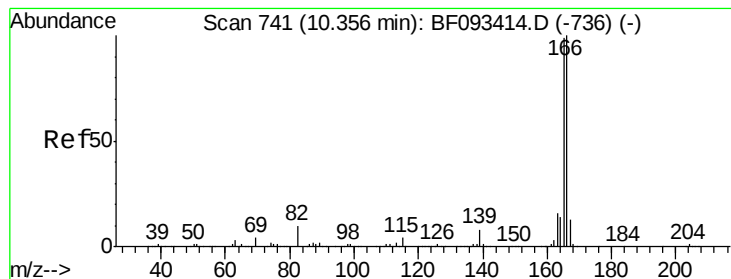
#56
2,4-Dinitrotoluene
Concen: 7.78 ng
RT: 9.81 min Scan# 693
Delta R.T. -0.21 min
Lab File: BF093452.D
Acq: 9 Mar 2017 2:07

Tgt Ion:165 Resp: 37624
Ion Ratio Lower Upper
165 100
63 1.8 40.2 60.4#
89 1.4 62.5 93.7#
182 0.0 1.8 2.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 4.85 ng

RT: 10.36 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

Instrument :

BNA_F

ClientSampleId :

HY-SB415B

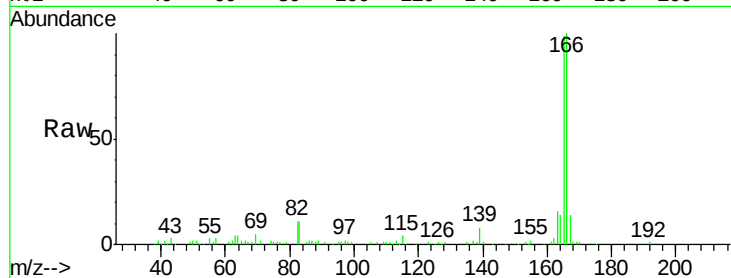
Tgt Ion:166 Resp: 75710

Ion Ratio Lower Upper

166 100

165 98.9 77.8 116.8

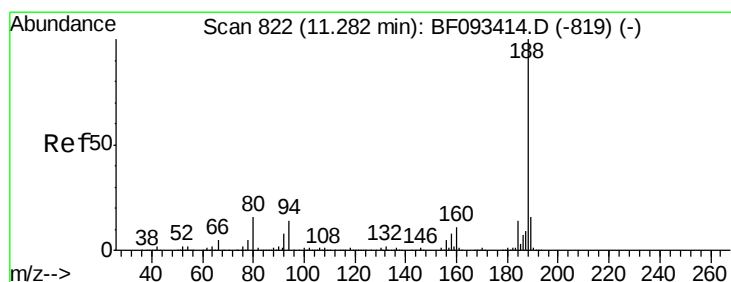
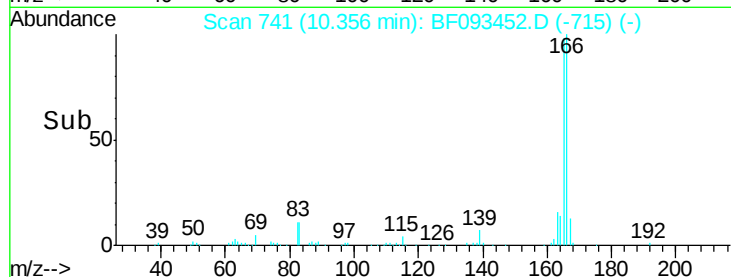
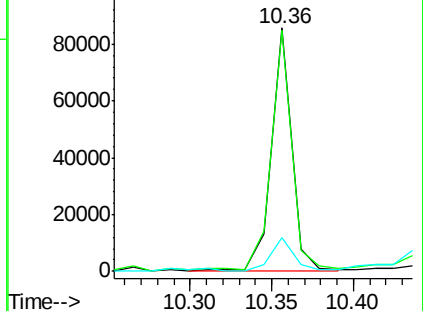
167 13.7 10.8 16.2



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: 11.29 min Scan# 823

Delta R.T. 0.01 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

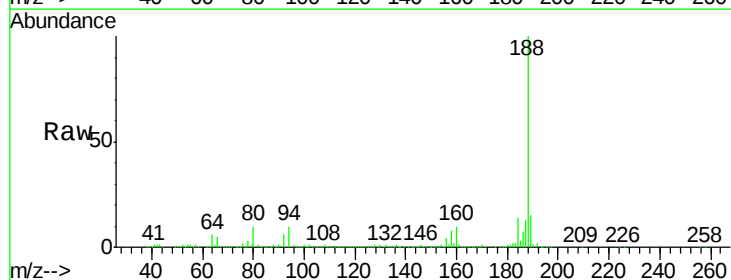
Tgt Ion:188 Resp: 391560

Ion Ratio Lower Upper

188 100

94 9.7 10.0 15.0#

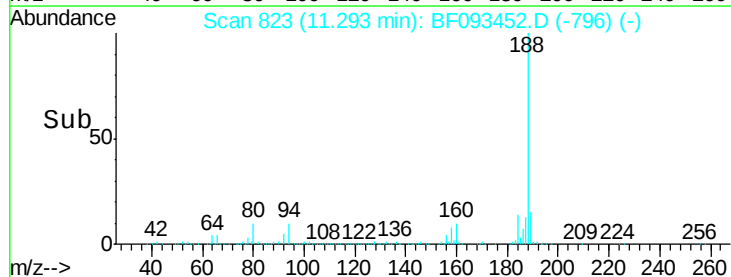
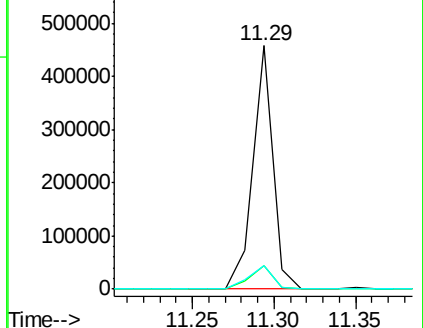
80 9.7 11.2 16.8#

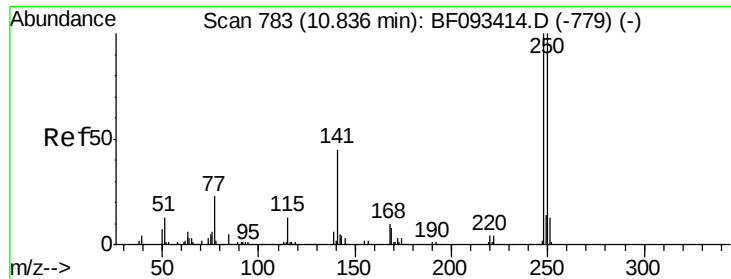


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

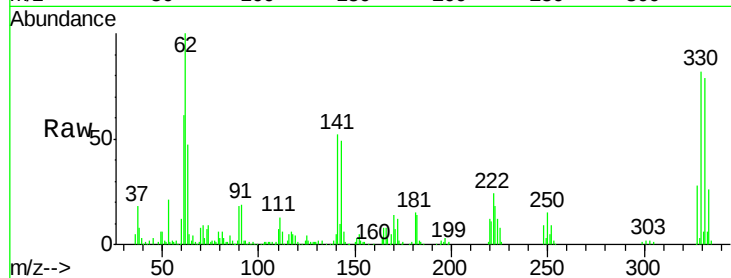




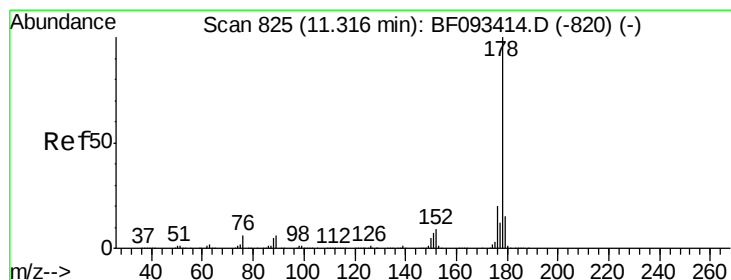
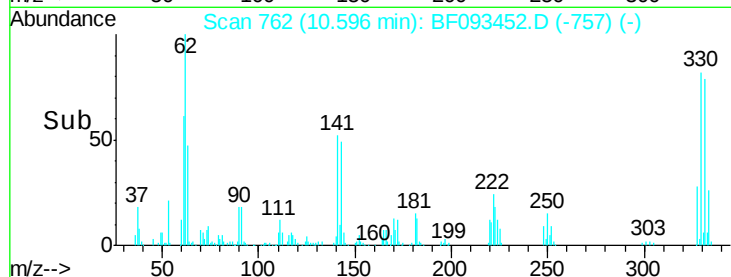
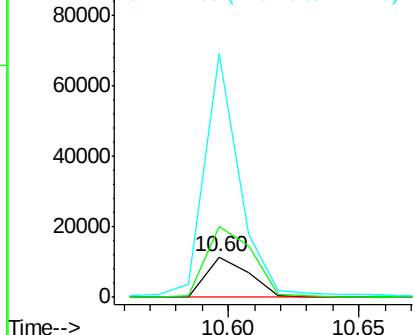
#66
 4-Bromophenyl-phenylether
 Concen: 3.17 ng
 RT: 10.60 min Scan# 762
 Delta R.T. -0.24 min
 Lab File: BF093452.D
 Acq: 9 Mar 2017 2:07

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB415B

Tgt Ion:248 Resp: 13118
 Ion Ratio Lower Upper
 248 100
 250 176.4 76.9 115.3#
 141 601.6 68.2 102.4#

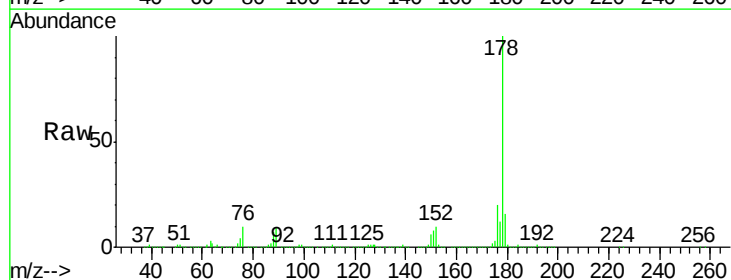


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

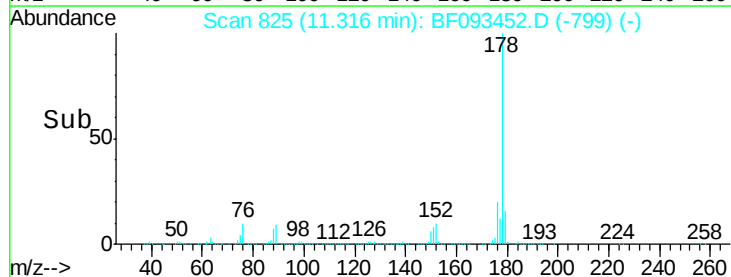
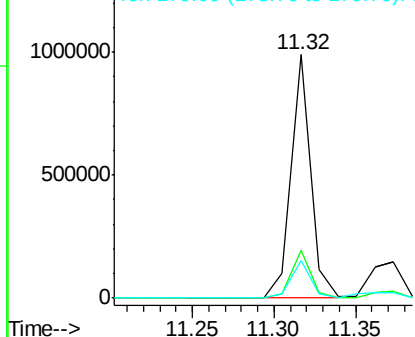


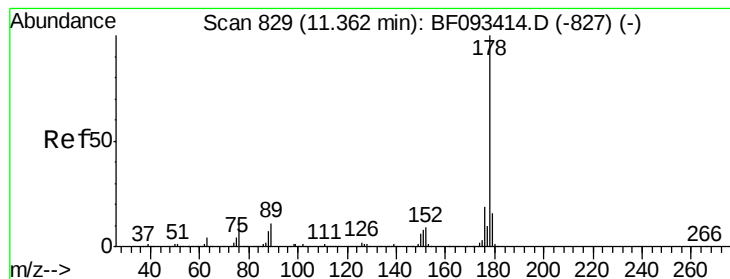
#70
 Phenanthrene
 Concen: 37.24 ng
 RT: 11.32 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BF093452.D
 Acq: 9 Mar 2017 2:07

Tgt Ion:178 Resp: 832365
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.6 25.0
 179 15.6 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: 8.35 ng

RT: 11.37 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

Instrument :

BNA_F

ClientSampleId :

HY-SB415B

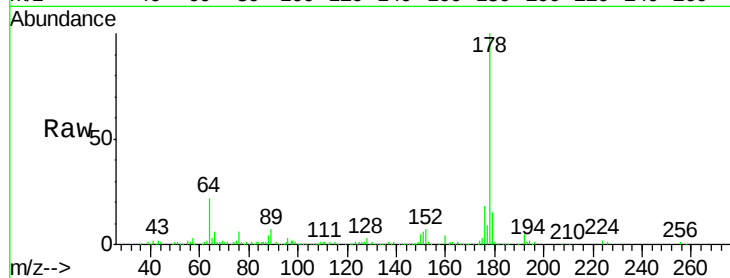
Tgt Ion:178 Resp: 188880

Ion Ratio Lower Upper

178 100

176 18.1 15.9 23.9

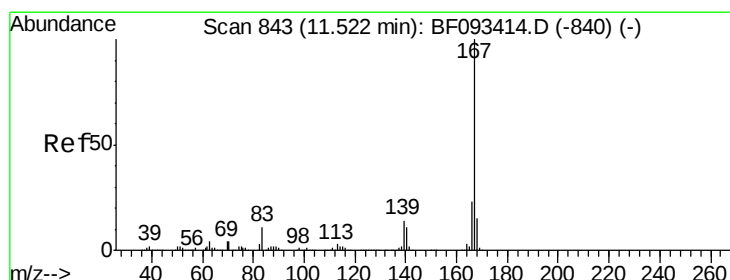
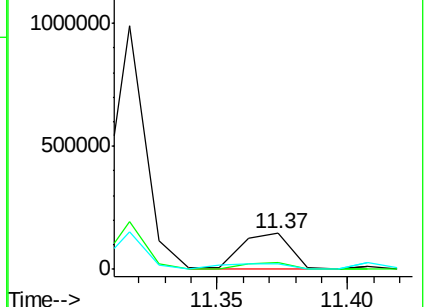
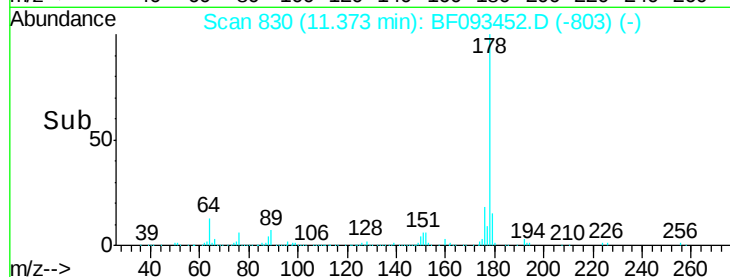
179 14.9 13.2 19.8



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



#72

Carbazole

Concen: 4.66 ng

RT: 11.53 min Scan# 844

Delta R.T. 0.01 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

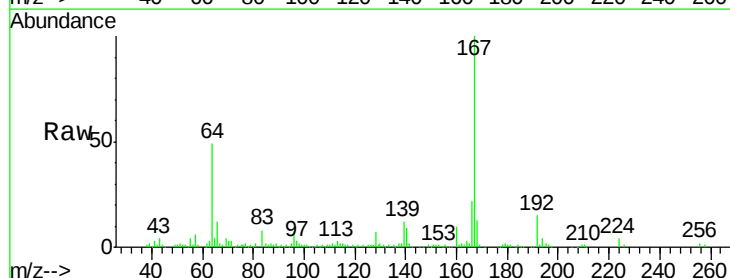
Tgt Ion:167 Resp: 98882

Ion Ratio Lower Upper

167 100

166 22.1 18.2 27.2

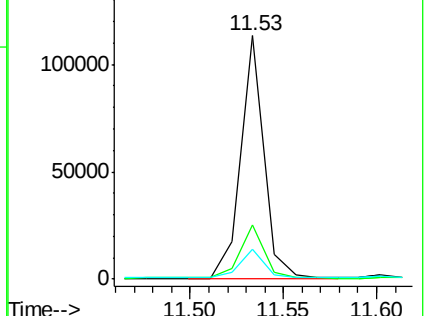
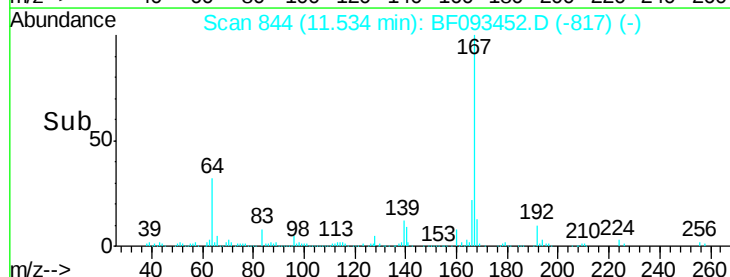
139 12.1 11.4 17.2

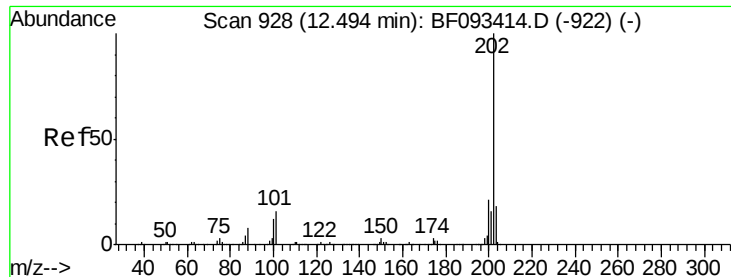


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 41.84 ng

RT: 12.51 min Scan# 929

Delta R.T. 0.01 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

Instrument :

BNA_F

ClientSampleId :

HY-SB415B

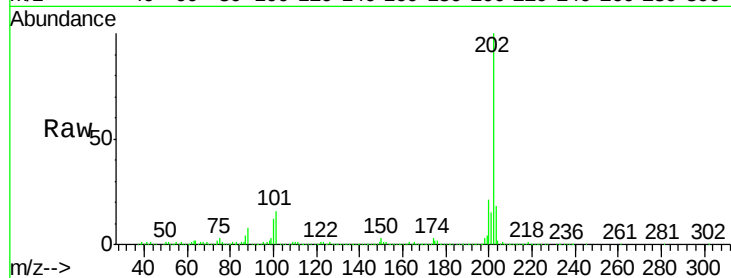
Tgt Ion:202 Resp: 903355

Ion Ratio Lower Upper

202 100

101 16.4 0.0 34.6

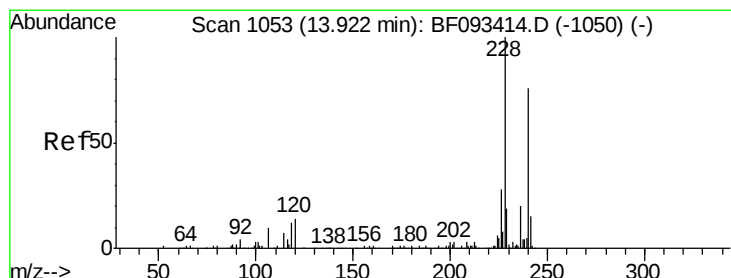
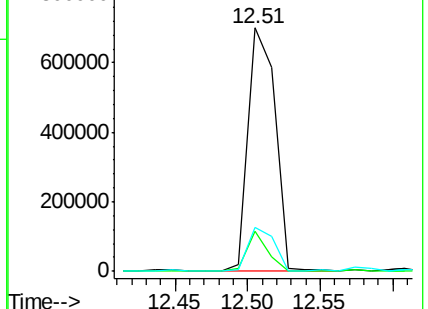
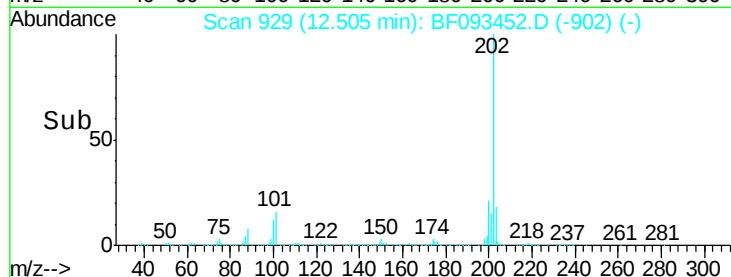
203 18.0 0.0 38.7



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: 13.93 min Scan# 1054

Delta R.T. 0.01 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

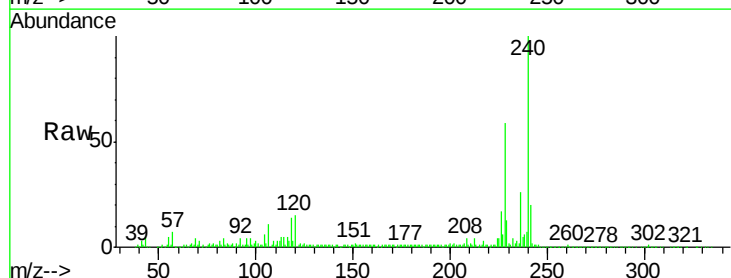
Tgt Ion:240 Resp: 323601

Ion Ratio Lower Upper

240 100

120 15.4 12.9 19.3

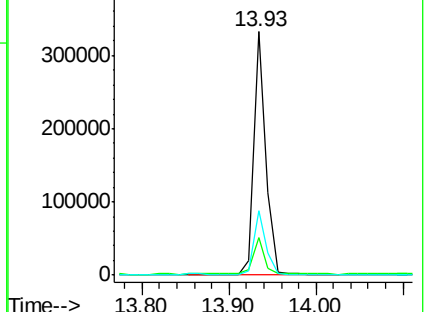
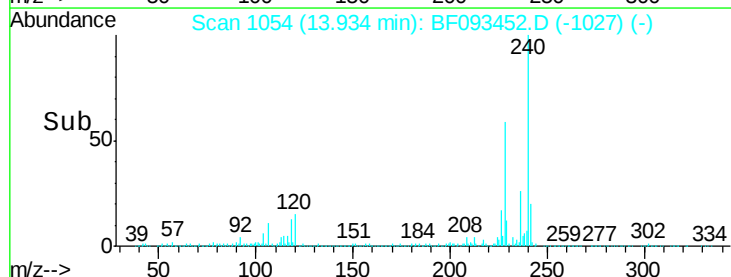
236 26.5 20.9 31.3

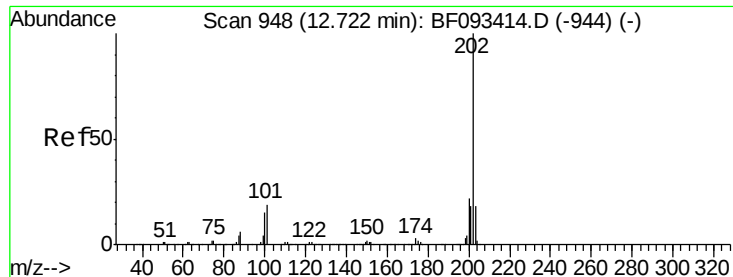


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

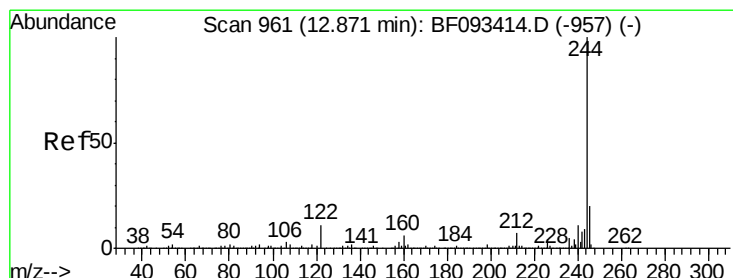
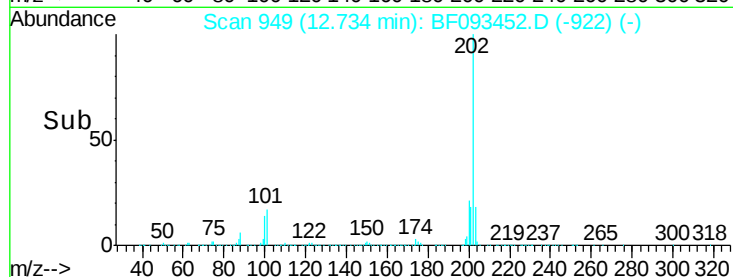
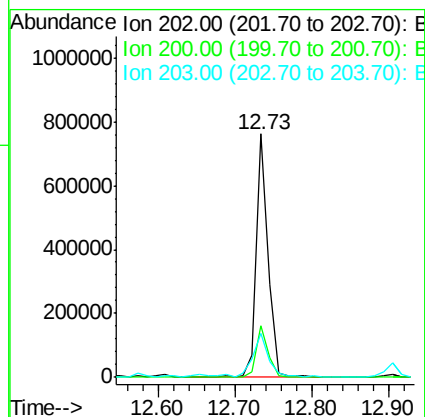
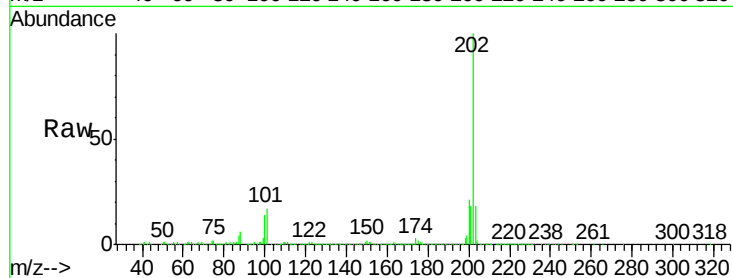




#77
 Pyrene
 Concen: 33.39 ng
 RT: 12.73 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: BF093452.D
 Acq: 9 Mar 2017 2:07

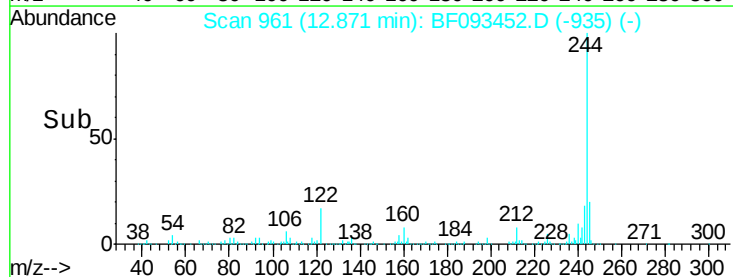
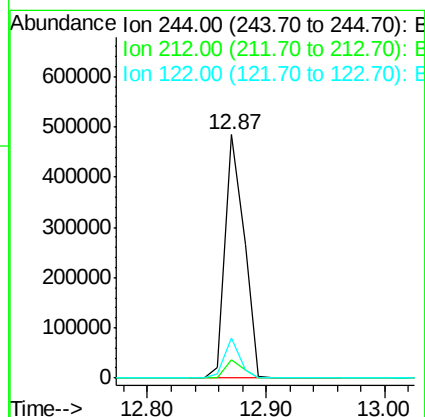
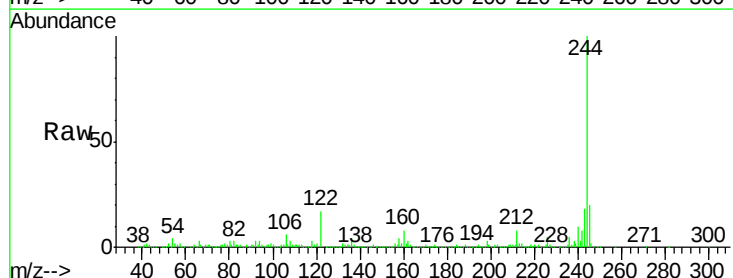
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB415B

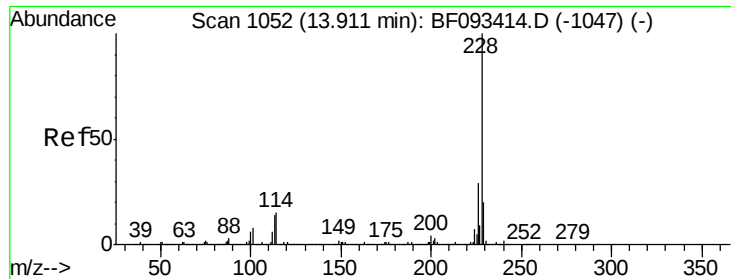
Tgt Ion: 202 Resp: 785732
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.7 26.5
 203 17.9 14.7 22.1



#78
 Terphenyl-d14
 Concen: 43.00 ng
 RT: 12.87 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: BF093452.D
 Acq: 9 Mar 2017 2:07

Tgt Ion: 244 Resp: 535220
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 16.7 11.4 17.2





#80

Benzo(a)anthracene

Concen: 22.52 ng

RT: 13.92 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

Instrument :

BNA_F

ClientSampleId :

HY-SB415B

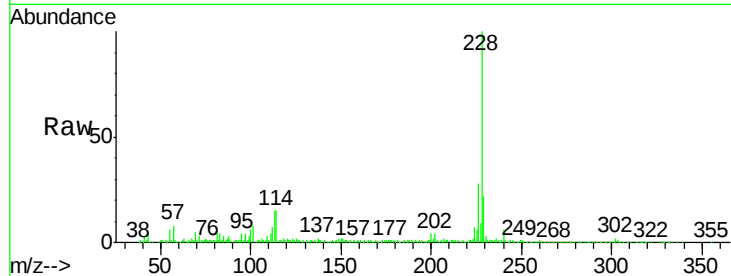
Tgt Ion:228 Resp: 430291

Ion Ratio Lower Upper

228 100

226 28.2 22.4 33.6

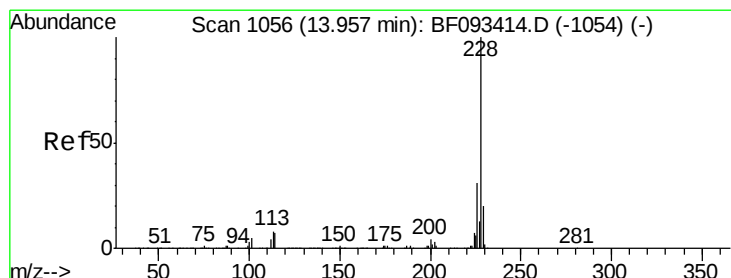
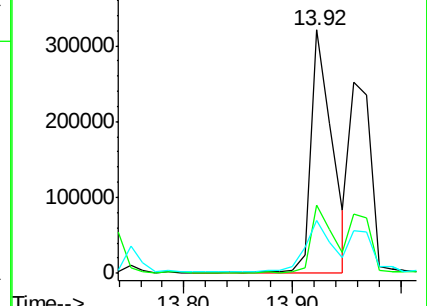
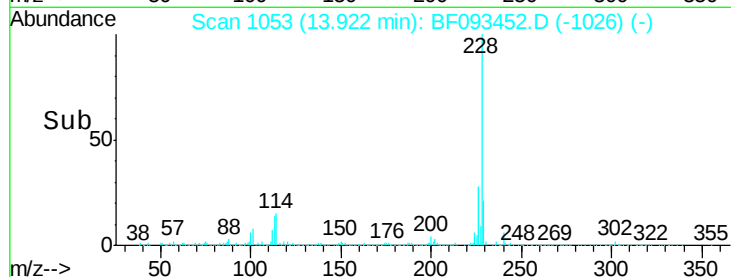
229 21.7 16.2 24.4



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: 19.14 ng

RT: 13.96 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

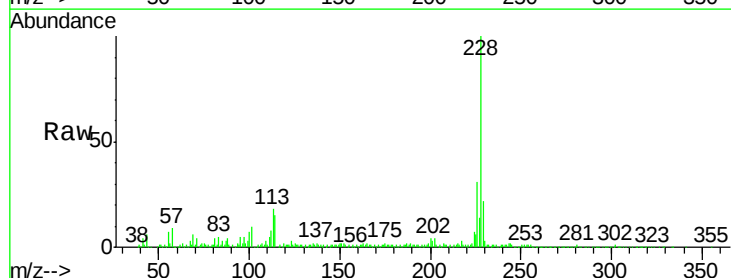
Tgt Ion:228 Resp: 338351

Ion Ratio Lower Upper

228 100

226 30.8 25.4 38.0

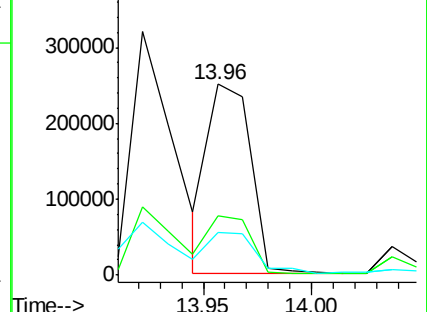
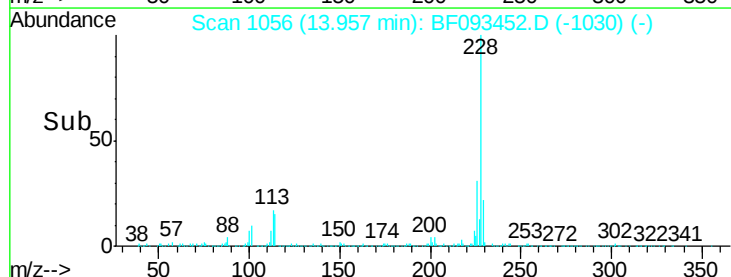
229 22.2 16.2 24.2

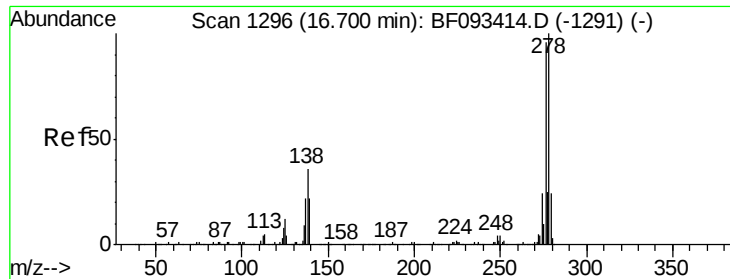


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

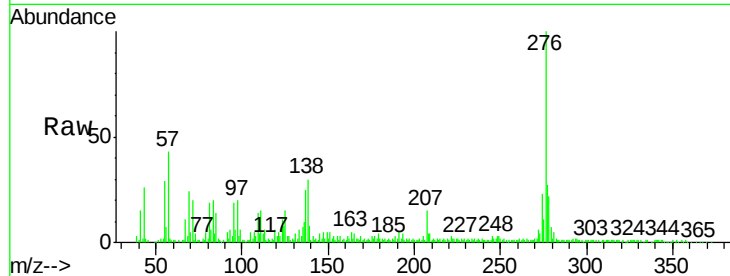




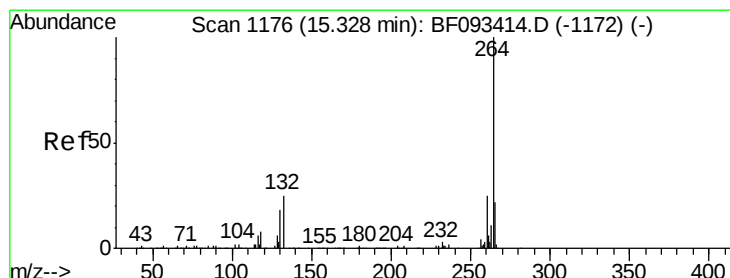
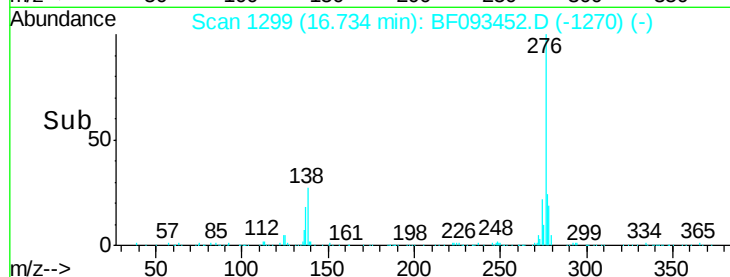
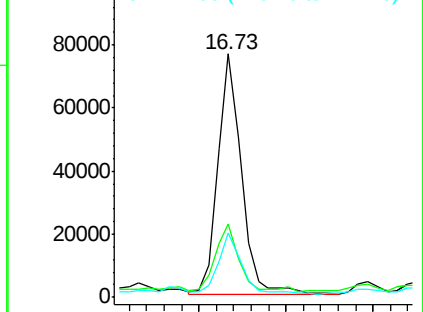
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.77 ng
 RT: 16.73 min Scan# 1299
 Delta R.T. 0.03 min
 Lab File: BF093452.D
 Acq: 9 Mar 2017 2:07

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB415B

Tgt Ion: 276 Resp: 144626
 Ion Ratio Lower Upper
 276 100
 138 27.4 21.8 32.6
 277 24.7 20.2 30.4

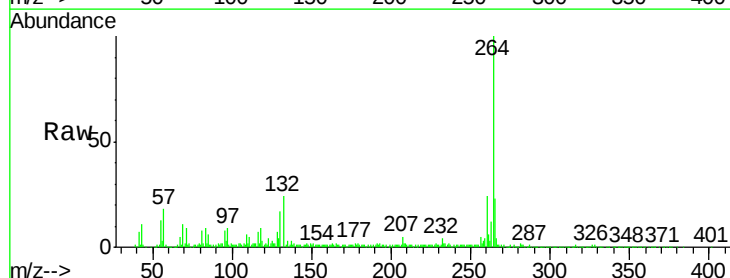


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

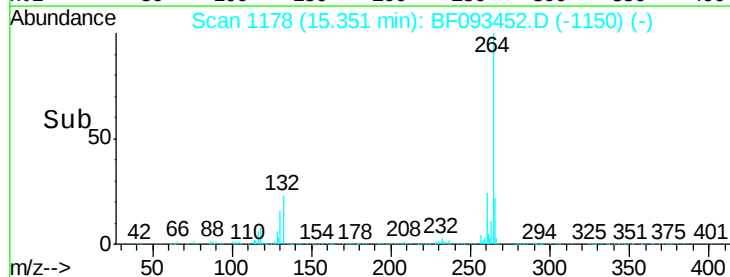
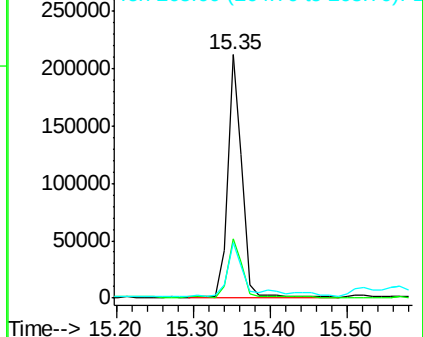


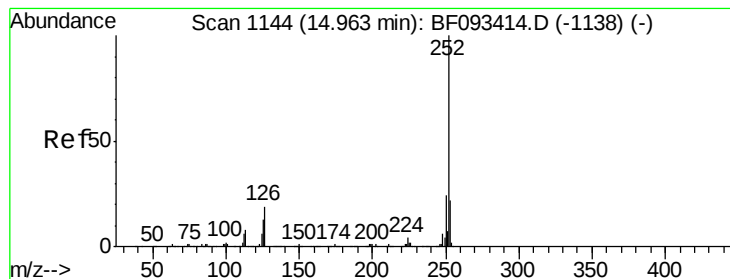
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1178
 Delta R.T. 0.02 min
 Lab File: BF093452.D
 Acq: 9 Mar 2017 2:07

Tgt Ion: 264 Resp: 273930
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 23.0 17.4 26.0



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: 32.17 ng

RT: 14.95 min Scan# 1143

Delta R.T. 0.01 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

Instrument :

BNA_F

ClientSampleId :

HY-SB415B

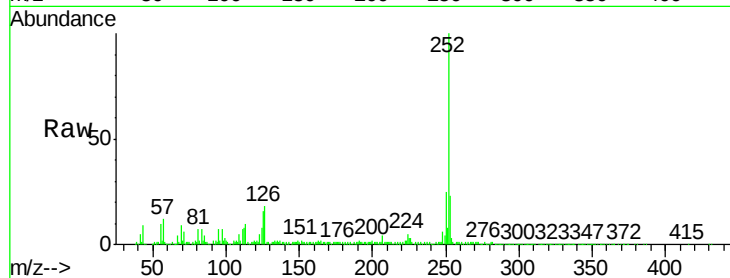
Tgt Ion:252 Resp: 536691

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.4

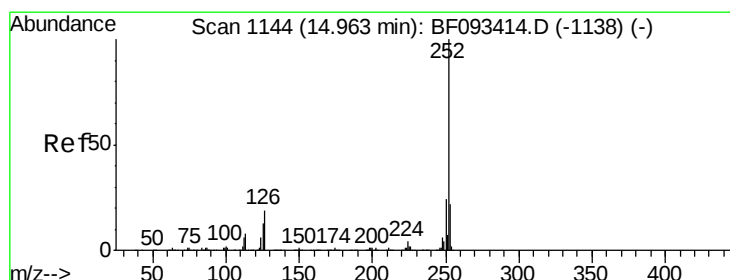
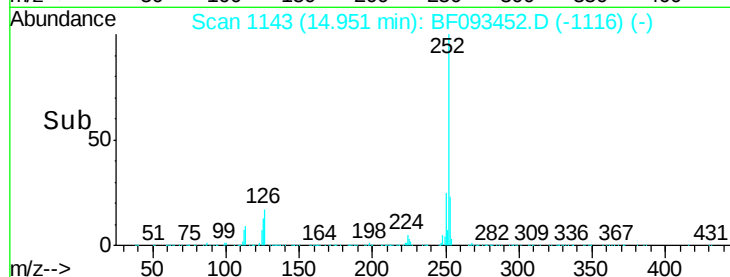
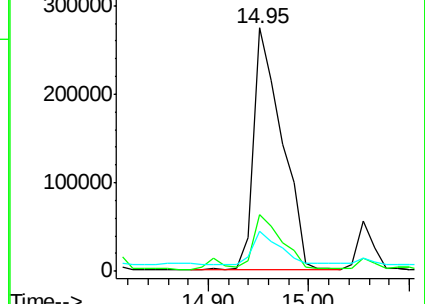
125 16.4 9.8 14.6#



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



#88

Benzo(k)fluoranthene

Concen: 33.36 ng

RT: 14.95 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

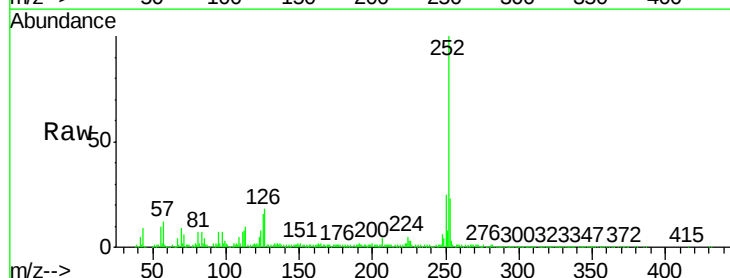
Tgt Ion:252 Resp: 536691

Ion Ratio Lower Upper

252 100

253 23.4 18.5 27.7

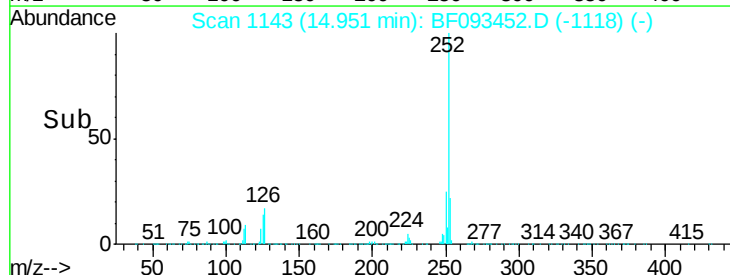
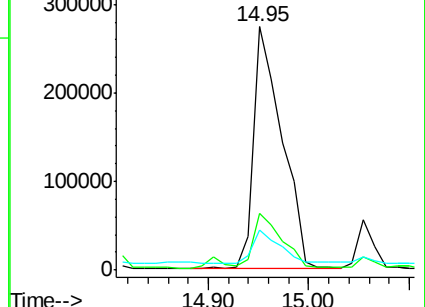
125 16.4 8.9 13.3#

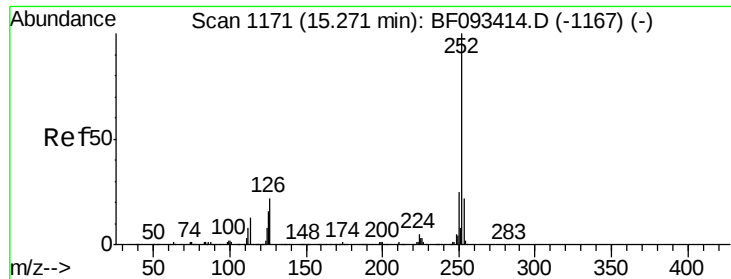


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 18.53 ng

RT: 15.29 min Scan# 1173

Delta R.T. 0.02 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

Instrument :

BNA_F

ClientSampleId :

HY-SB415B

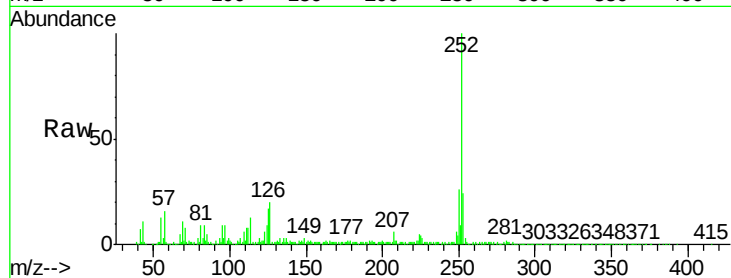
Tgt Ion:252 Resp: 282562

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

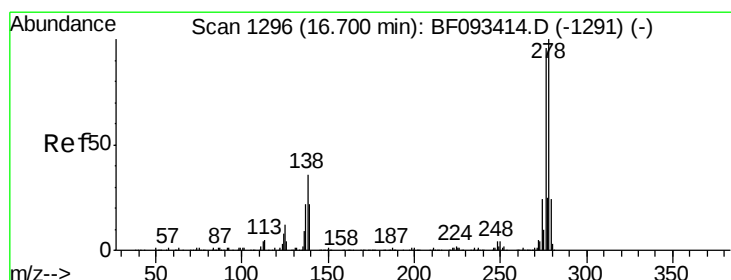
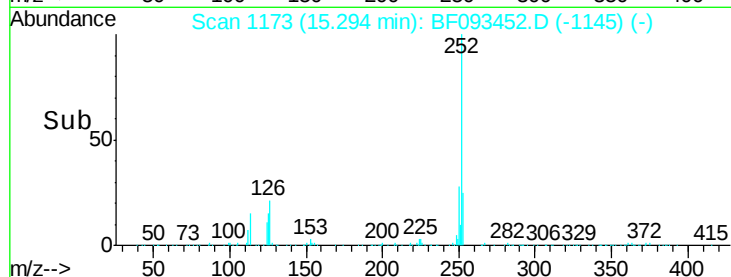
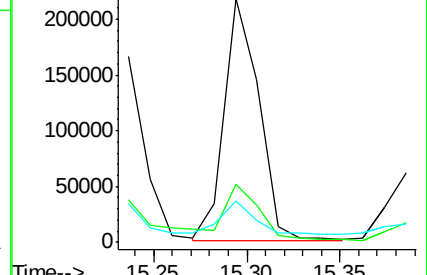
125 17.2 10.0 15.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.66 ng

RT: 16.73 min Scan# 1299

Delta R.T. 0.03 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

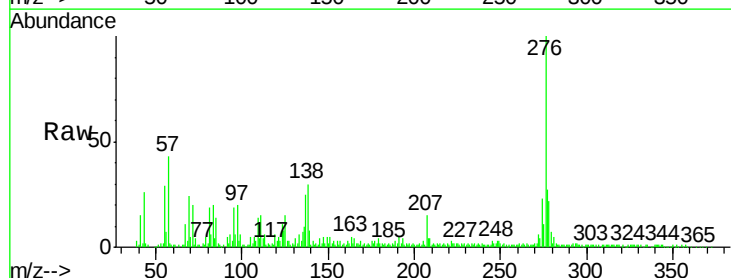
Tgt Ion:278 Resp: 33528

Ion Ratio Lower Upper

278 100

139 34.8 14.8 22.2#

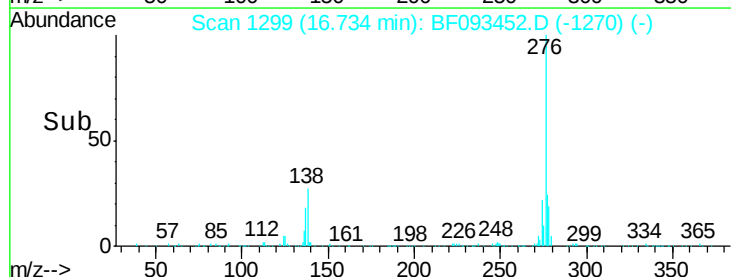
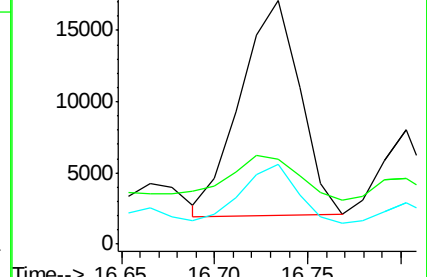
279 32.7 19.8 29.6#

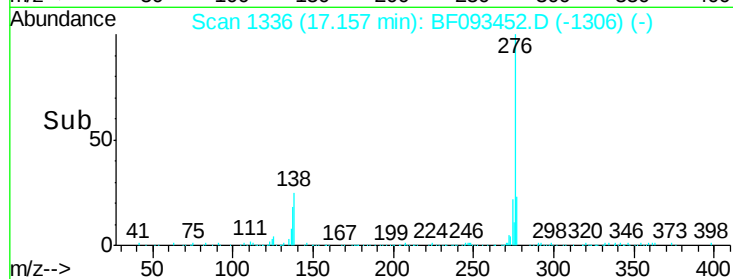
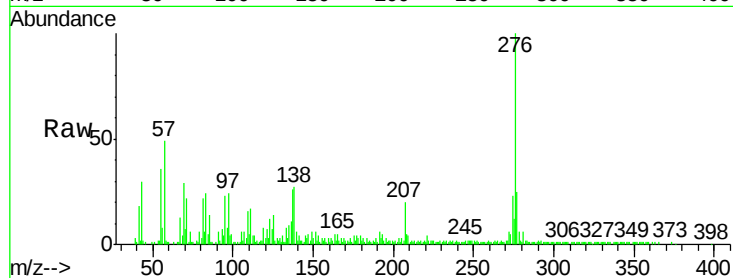
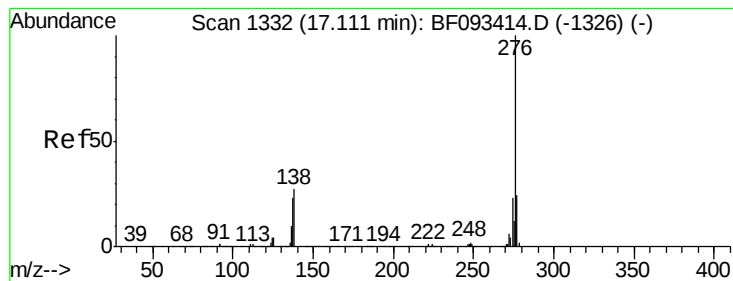


Abundance Ion 278.00 (277.70 to 278.70): E

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: 10.21 ng

RT: 17.16 min Scan# 1336

Delta R.T. 0.05 min

Lab File: BF093452.D

Acq: 9 Mar 2017 2:07

Instrument :

BNA_F

ClientSampleId :

HY-SB415B

Tgt Ion: 276 Resp: 132221

Ion Ratio Lower Upper

276 100

277 25.0 19.2 28.8

138 27.3 16.0 24.0#

