

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030817\
 Data File : BF093447.D
 Acq On : 8 Mar 2017 23:50
 Operator : SJ/MA
 Sample : I2106-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB413A

Quant Time: Mar 09 00:43:07 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	153641	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	532585	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	221799	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	324802	20.00	ng	0.01
75) Chrysene-d12	14.00	240	64646	20.00	ng	0.08
86) Perylene-d12	15.51	264	52504	20.00	ng	0.18

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	760922	82.43	ng	0.00
7) Phenol-d6	6.42	99	958129	82.31	ng	0.01
23) Nitrobenzene-d5	7.34	82	572069	59.60	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	115939	80.23	ng	0.01
44) 2-Fluorobiphenyl	9.13	172	826879	69.34	ng	0.00
78) Terphenyl-d14	12.92	244	249193	100.22	ng	0.05

Target Compounds				Qvalue		
10) Phenol	6.44	94	69113	4.84	ng	82
31) Naphthalene	8.08	128	955286	35.79	ng	99
32) Benzoic acid	7.88	122	26189	6.29	ng	# 65
33) 4-Chloroaniline	8.08	127	132658	12.25	ng	# 36
35) Caprolactam	8.48	113	22144	8.61	ng	# 1
37) 2-Methylnaphthalene	8.77	142	368052	21.67	ng	99
45) 1,1'-Biphenyl	9.24	154	115515	7.15	ng	99
48) Acenaphthylene	9.67	152	582021	28.53	ng	100
49) Dimethylphthalate	9.53	163	114544	7.79	ng	99
51) Acenaphthene	9.84	154	714401	59.23	ng	96
52) 3-Nitroaniline	9.75	138	8994	2.32	ng	# 24
54) Dibenzofuran	10.01	168	834940	55.30	ng	97
55) 4-Nitrophenol	9.91	139	11232	5.97	ng	# 1
56) 2,4-Dinitrotoluene	9.97	165	18189	4.59	ng	# 47
57) Fluorene	10.36	166	1123536	87.83	ng	98
65) n-Nitrosodiphenylamine	10.47	169	93286	8.60	ng	# 89
69) Pentachlorophenol	11.13	266	2554	2.26	ng	# 29
70) Phenanthrene	11.33	178	2934360	158.27	ng	99
71) Anthracene	11.39	178	1706344	90.99	ng	99
72) Carbazole	11.55	167	116014	6.58	ng	# 60
74) Fluoranthene	12.55	202	3121238	174.29	ng	95
76) Benzidine	12.72	184	10269	4.83	ng	# 1
77) Pyrene	12.55	202	2930402	623.28	ng	99
79) Butylbenzylphthalate	13.43	149	8239	4.16	ng	# 17
80) Benzo(a)anthracene	14.00	228	434664	113.86	ng	# 82
81) 3,3'-Dichlorobenzidine	13.92	252	3641	2.72	ng	# 1
82) Chrysene	14.00	228	434664	123.06	ng	# 87
83) Bis(2-ethylhexyl)phthalate	13.89	149	19464	7.06	ng	# 1
84) Di-n-octyl phthalate	14.61	149	13478	2.93	ng	# 74
85) Indeno(1,2,3-cd)pyrene	16.96	276	191275	64.69	ng	98
87) Benzo(b)fluoranthene	15.09	252	391620	122.47	ng	# 48
88) Benzo(k)fluoranthene	15.19	252	41467	13.45	ng	# 1
89) Benzo(a)pyrene	15.45	252	155056	53.06	ng	# 26
90) Dibenzo(a,h)anthracene	16.95	278	73836	30.54	ng	# 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 07 15:55:22 2017
Response via : Initial Calibration

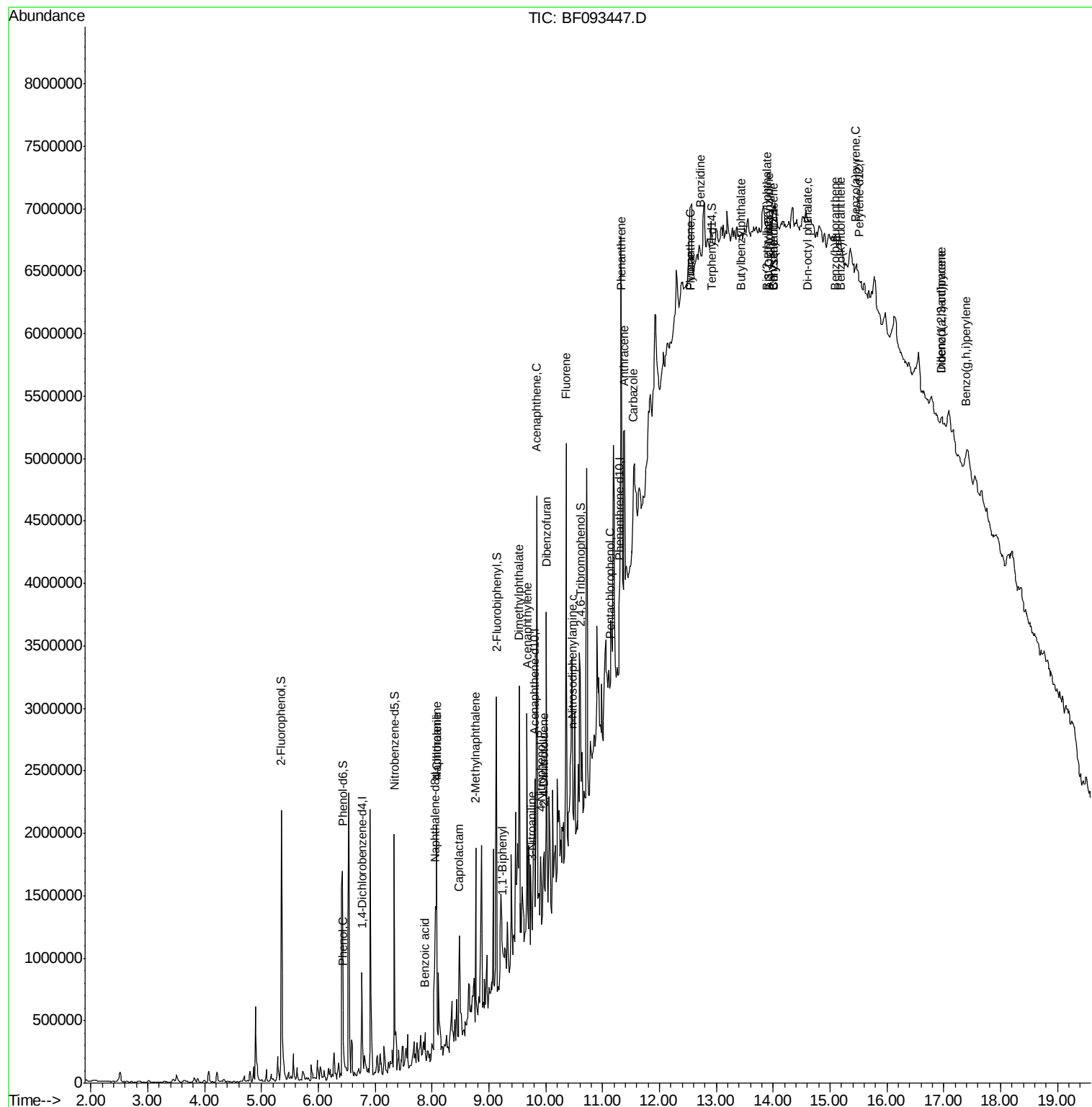
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	17.40	276	197585	79.62	ng	# 73

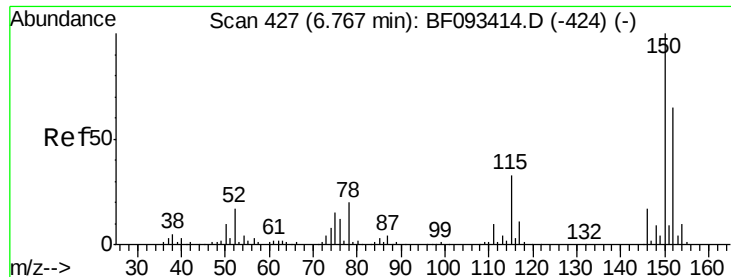
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : I2106-04
Misc :
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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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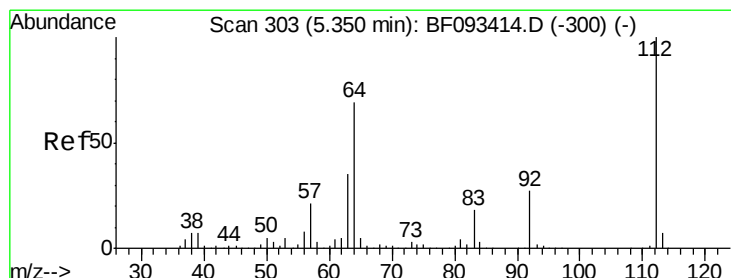
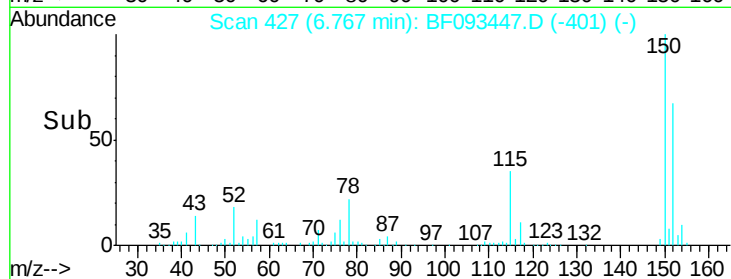
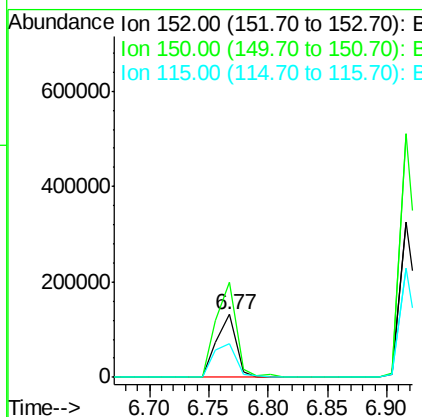
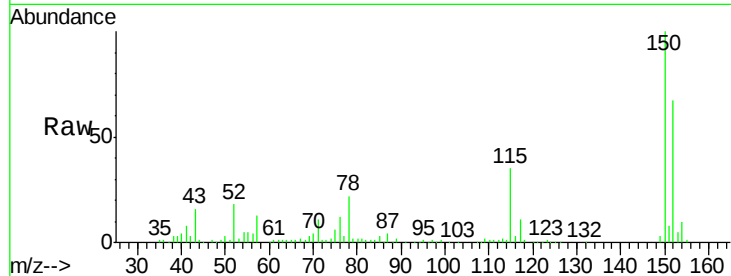




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: BF093447.D
 Acq: 8 Mar 2017 23:50

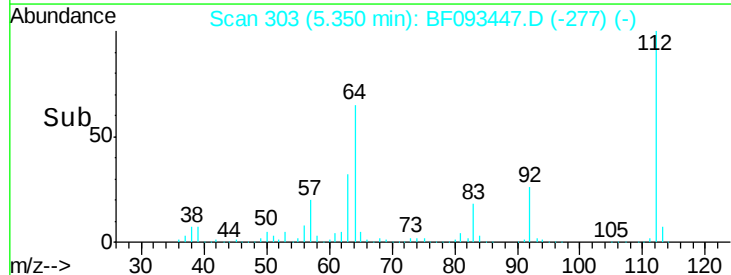
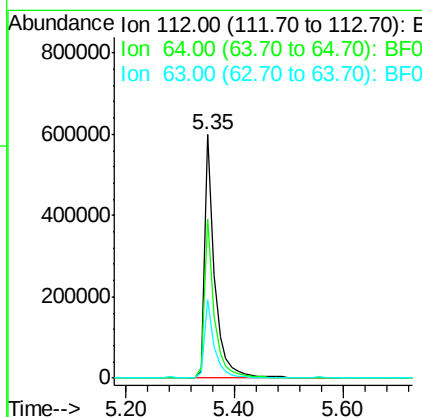
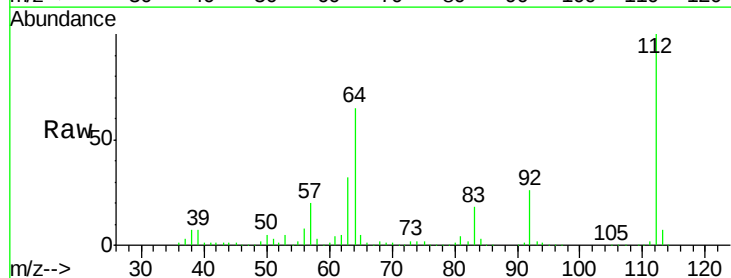
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB413A

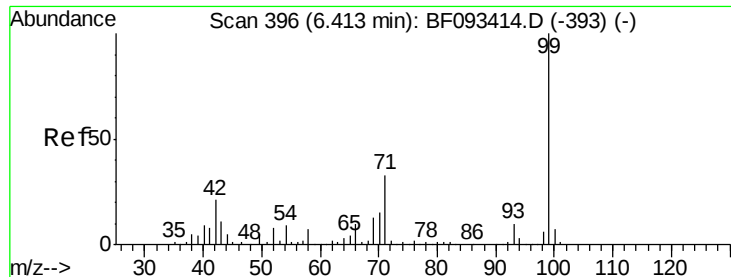
Tgt Ion:152 Resp: 153641
 Ion Ratio Lower Upper
 152 100
 150 150.3 124.9 187.3
 115 52.6 46.0 69.0



#5
 2-Fluorophenol
 Concen: 82.43 ng
 RT: 5.35 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: BF093447.D
 Acq: 8 Mar 2017 23:50

Tgt Ion:112 Resp: 760922
 Ion Ratio Lower Upper
 112 100
 64 65.2 46.1 69.1
 63 32.2 23.8 35.6





#7

Phenol-d6

Concen: 82.31 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

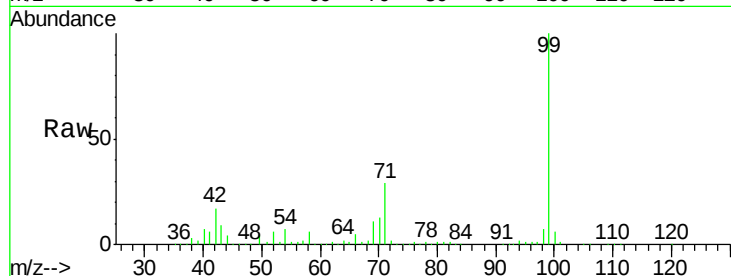
Tgt Ion: 99 Resp: 958129

Ion Ratio Lower Upper

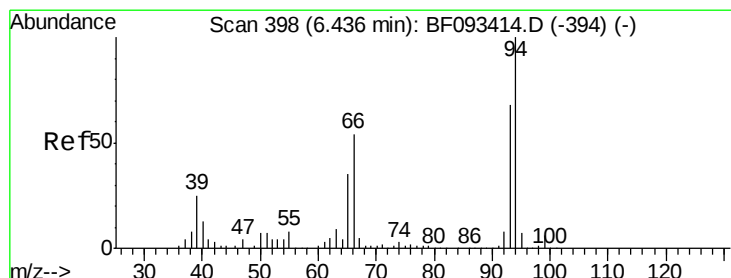
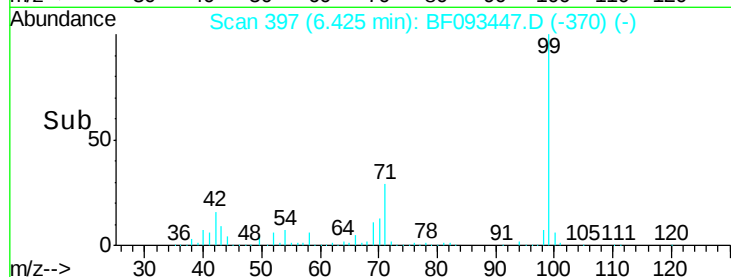
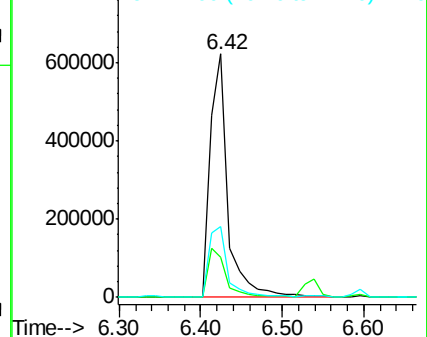
99 100

42 16.6 15.6 23.4

71 28.9 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.84 ng

RT: 6.44 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

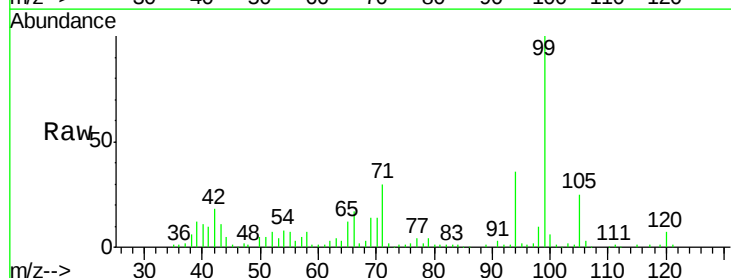
Tgt Ion: 94 Resp: 69113

Ion Ratio Lower Upper

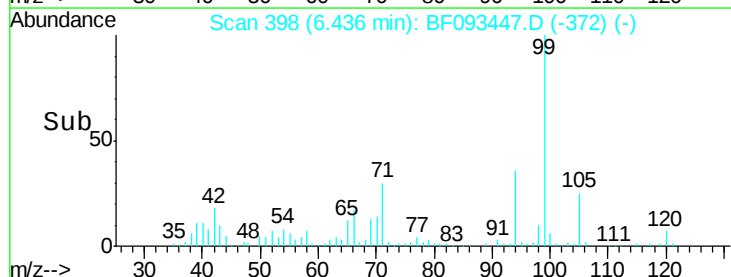
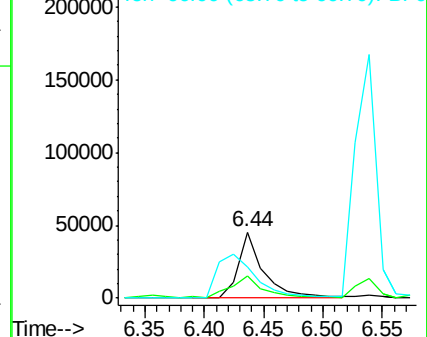
94 100

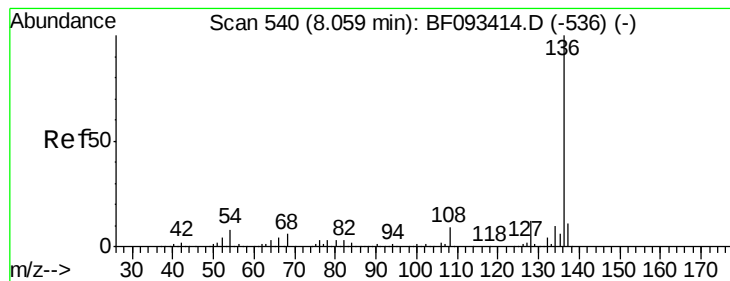
65 33.9 21.4 61.4

66 46.3 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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 540

Delta R.T. 0.00 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

Tgt Ion:136 Resp: 532585

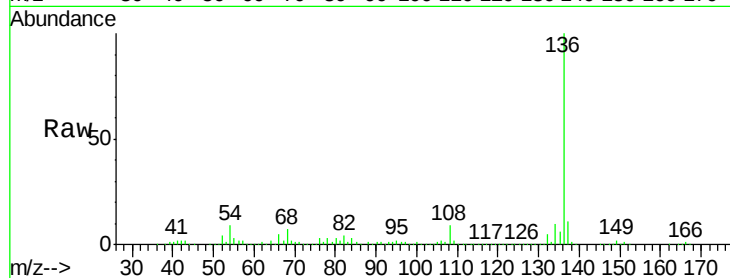
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 8.5 4.5 6.7#

68 6.5 3.6 5.4#

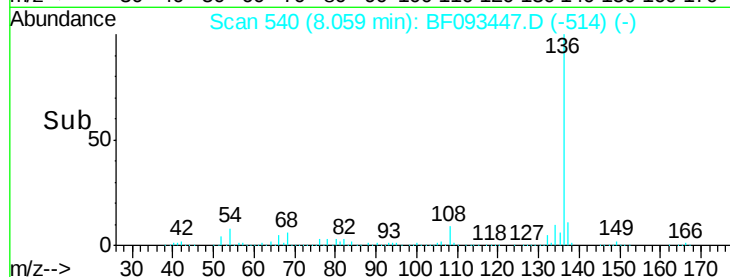


Abundance Ion 136.00 (135.70 to 136.70): E

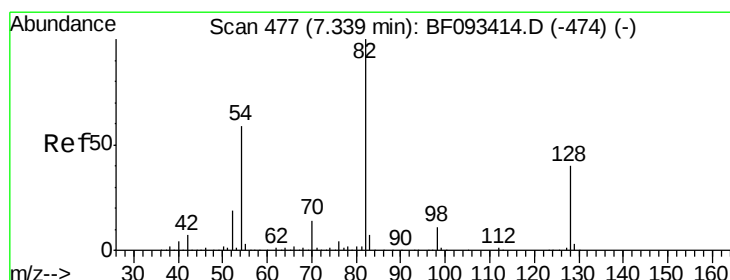
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 59.60 ng

RT: 7.34 min Scan# 477

Delta R.T. 0.00 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

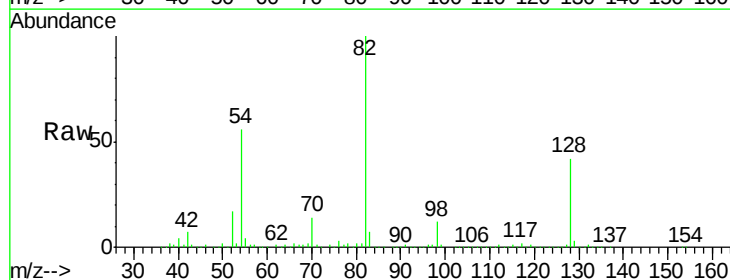
Tgt Ion: 82 Resp: 572069

Ion Ratio Lower Upper

82 100

128 41.7 34.6 52.0

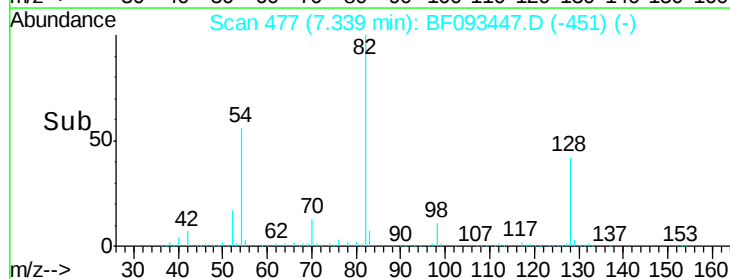
54 56.0 39.5 59.3



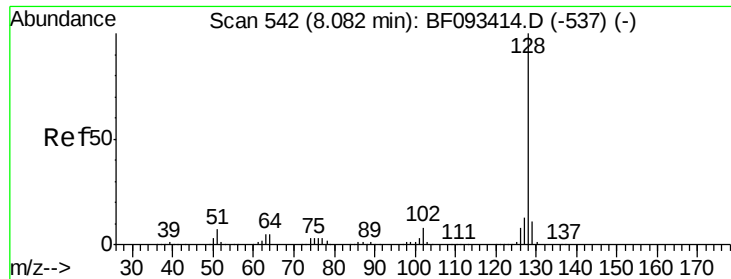
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



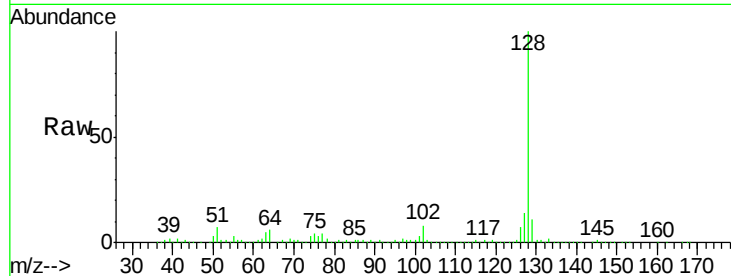
Time-->



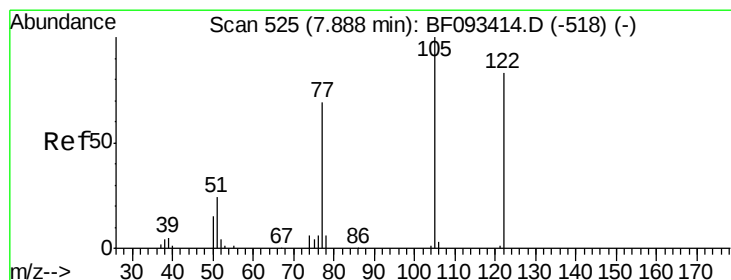
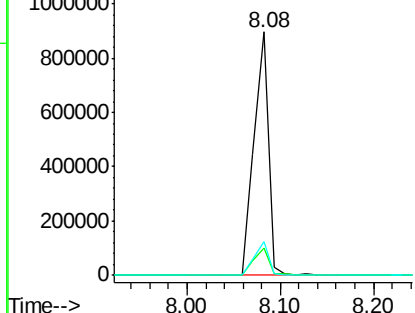
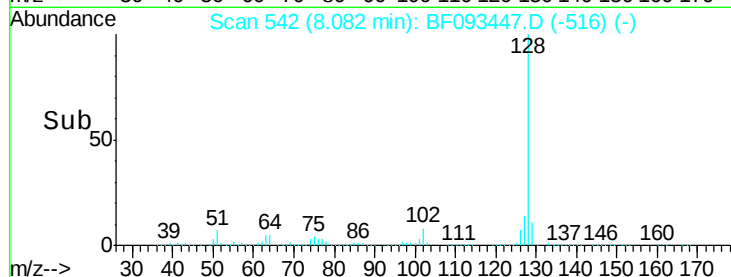
#31
Naphthalene
Concen: 35.79 ng
RT: 8.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF093447.D
Acq: 8 Mar 2017 23:50

Instrument :
BNA_F
ClientSampleId :
HY-SB413A

Tgt Ion:128 Resp: 955286
Ion Ratio Lower Upper
128 100
129 11.1 9.5 14.3
127 13.7 10.8 16.2

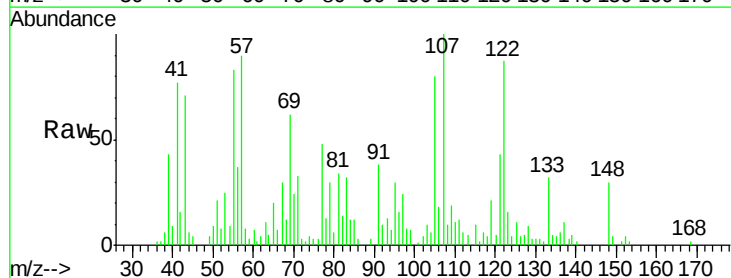


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

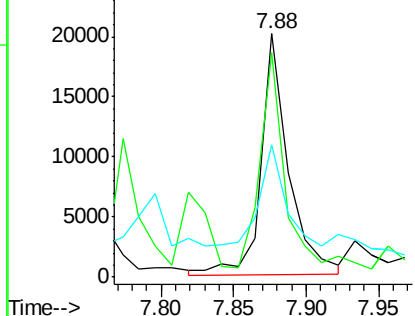
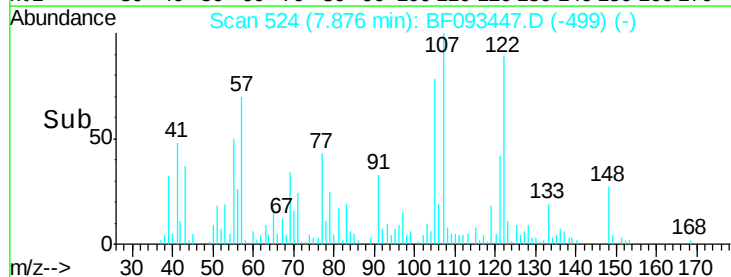


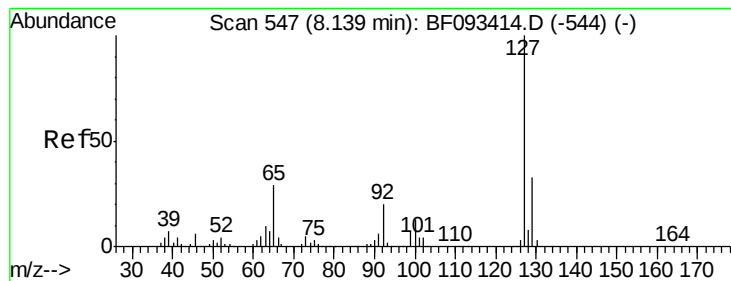
#32
Benzoic acid
Concen: 6.29 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF093447.D
Acq: 8 Mar 2017 23:50

Tgt Ion:122 Resp: 26189
Ion Ratio Lower Upper
122 100
105 92.0 107.2 147.2#
77 54.6 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





#33

4-Chloroaniline

Concen: 12.25 ng

RT: 8.08 min Scan# 542

Delta R.T. -0.06 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

Tgt Ion:127 Resp: 132658

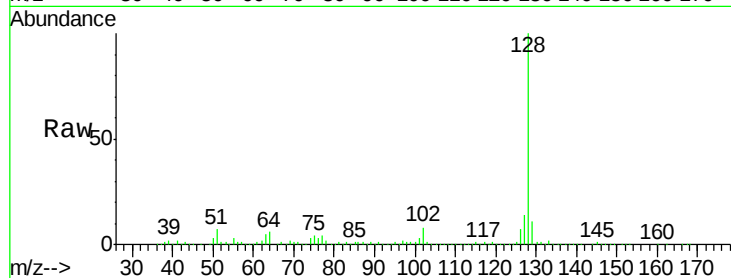
Ion Ratio Lower Upper

127 100

129 80.5 26.3 39.5#

65 0.0 25.8 38.8#

92 0.6 16.1 24.1#

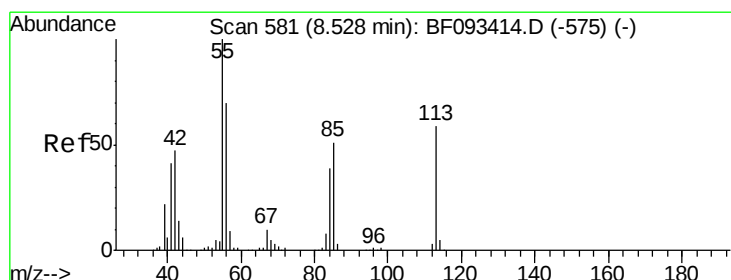
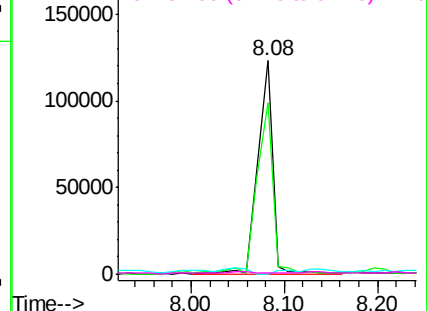
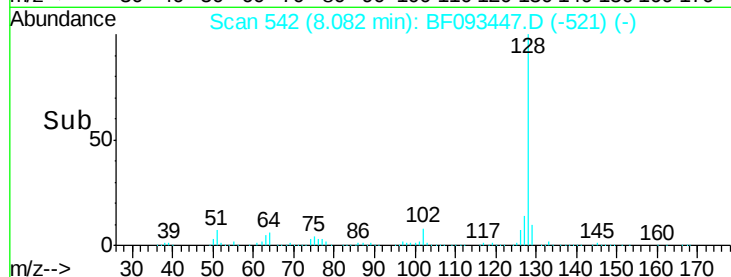


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#35

Caprolactam

Concen: 8.61 ng

RT: 8.48 min Scan# 577

Delta R.T. -0.05 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

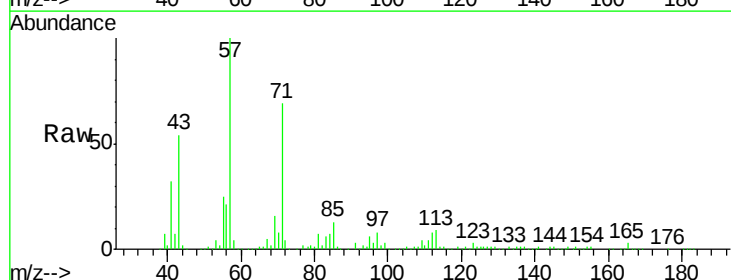
Tgt Ion:113 Resp: 22144

Ion Ratio Lower Upper

113 100

55 288.9 119.2 159.2#

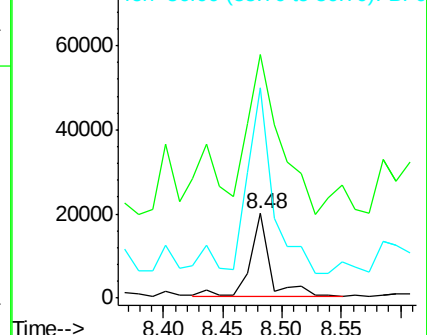
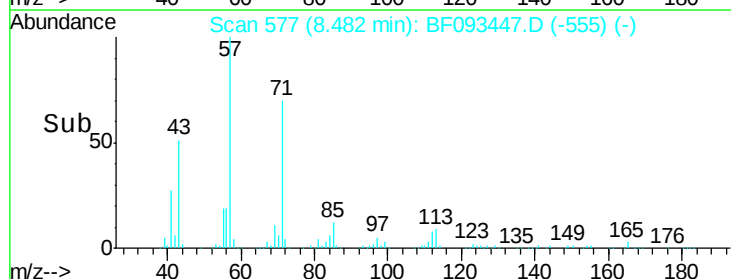
56 249.0 83.8 123.8#

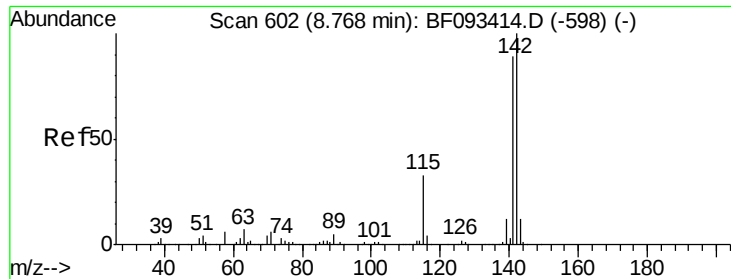


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

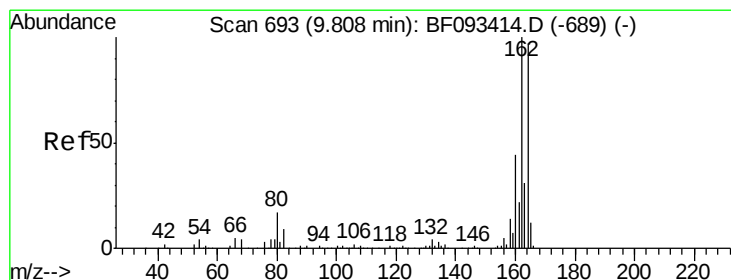
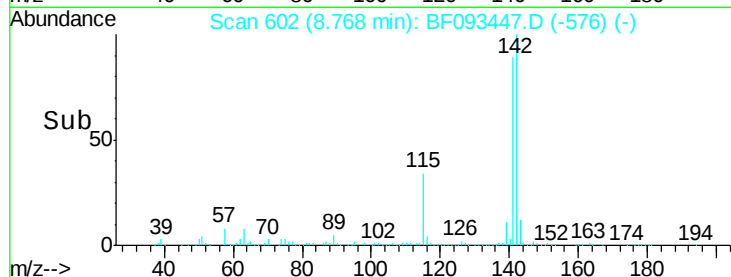
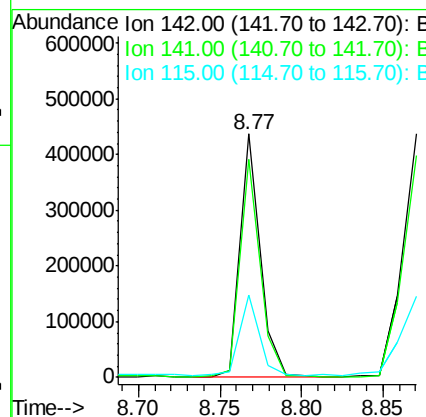
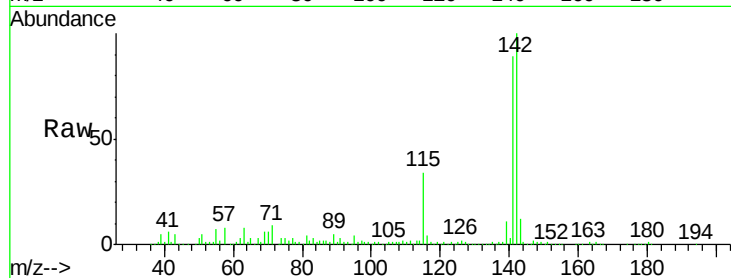




#37
 2-Methylnaphthalene
 Concen: 21.67 ng
 RT: 8.77 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: BF093447.D
 Acq: 8 Mar 2017 23:50

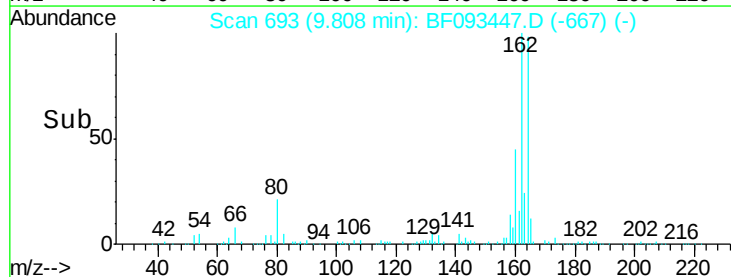
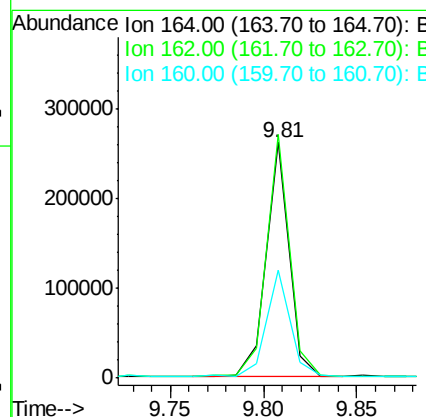
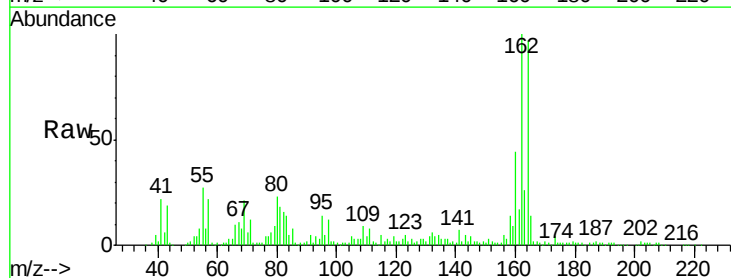
Instrument :
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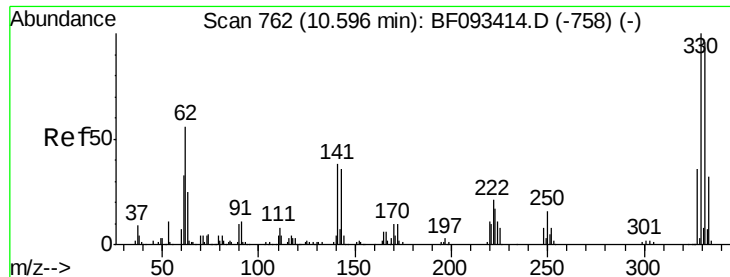
Tgt Ion:142 Resp: 368052
 Ion Ratio Lower Upper
 142 100
 141 89.4 71.0 106.6
 115 33.9 28.3 42.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: BF093447.D
 Acq: 8 Mar 2017 23:50

Tgt Ion:164 Resp: 221799
 Ion Ratio Lower Upper
 164 100
 162 103.4 80.2 120.2
 160 45.6 36.9 55.3

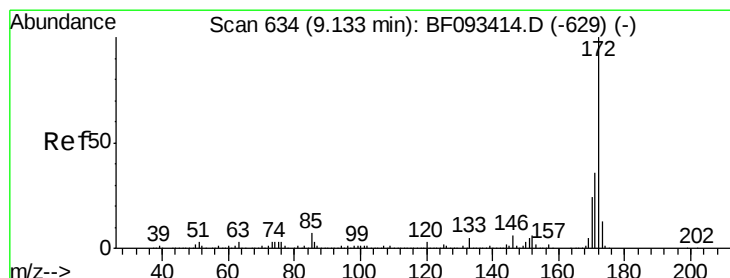
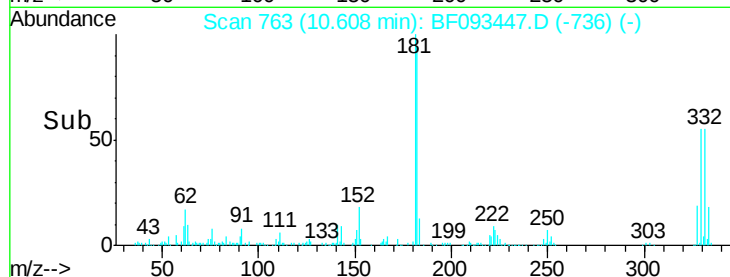
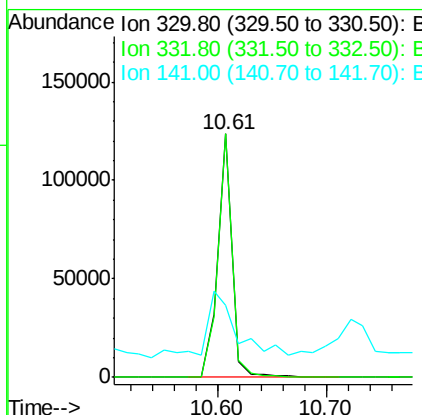
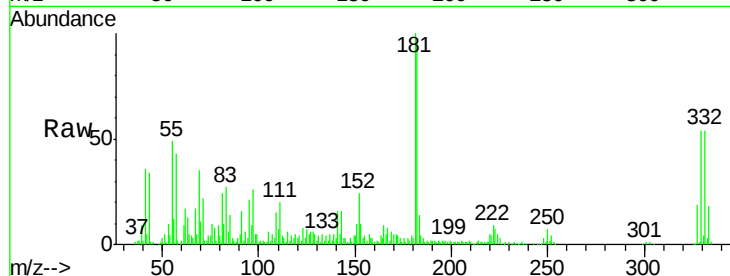




#41
 2,4,6-Tribromophenol
 Concen: 80.23 ng
 RT: 10.61 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BF093447.D
 Acq: 8 Mar 2017 23:50

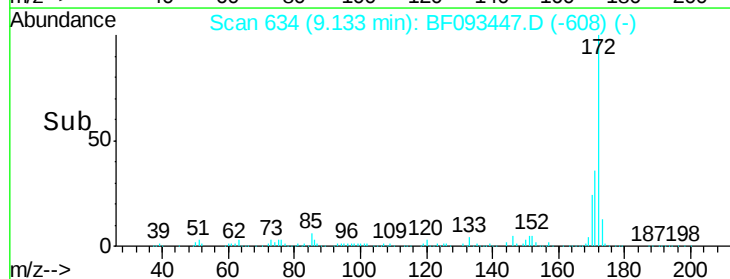
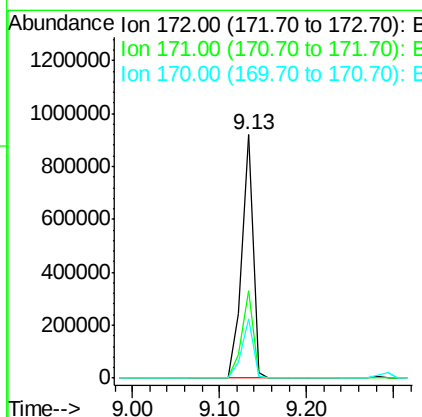
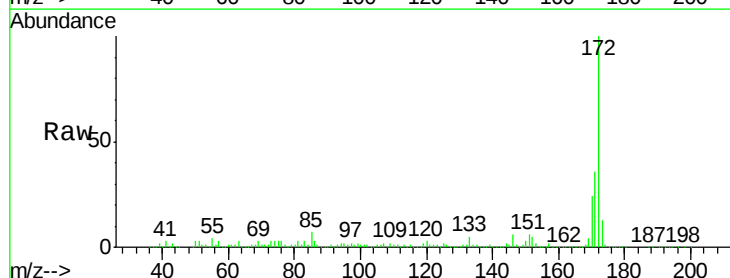
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB413A

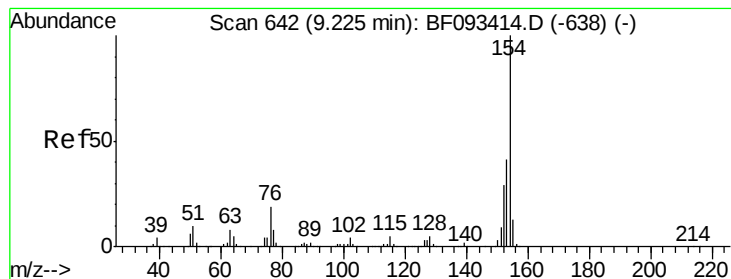
Tgt Ion:330 Resp: 115939
 Ion Ratio Lower Upper
 330 100
 332 99.6 77.4 116.2
 141 61.4 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 69.34 ng
 RT: 9.13 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF093447.D
 Acq: 8 Mar 2017 23:50

Tgt Ion:172 Resp: 826879
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.3 20.2 30.4





#45

1,1'-Biphenyl

Concen: 7.15 ng

RT: 9.24 min Scan# 643

Delta R.T. 0.01 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

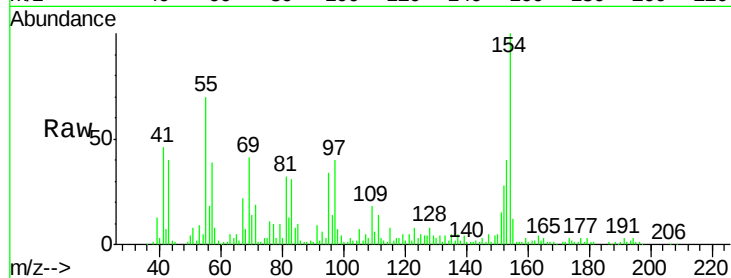
Tgt Ion:154 Resp: 115515

Ion Ratio Lower Upper

154 100

153 40.3 20.9 60.9

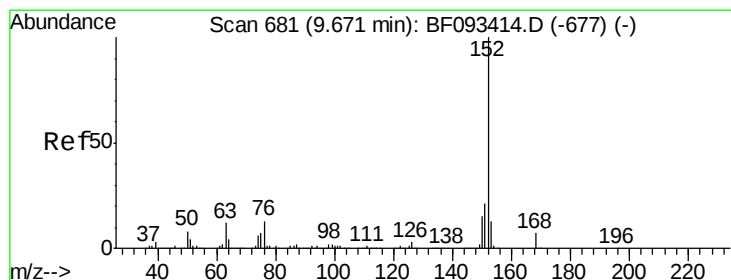
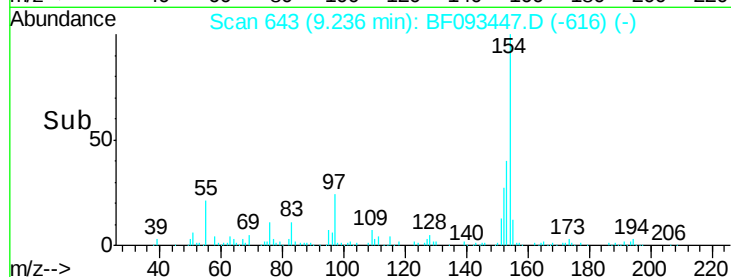
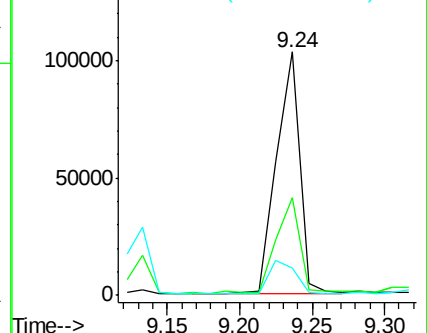
76 11.4 0.0 30.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 28.53 ng

RT: 9.67 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

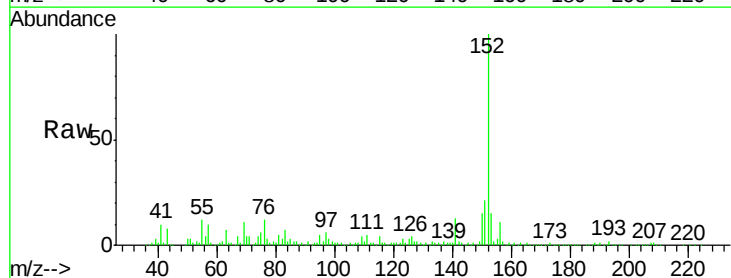
Tgt Ion:152 Resp: 582021

Ion Ratio Lower Upper

152 100

151 21.2 16.9 25.3

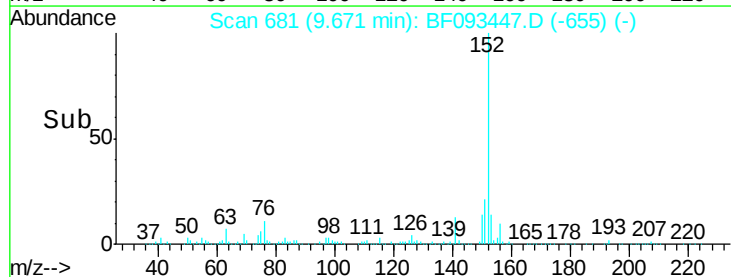
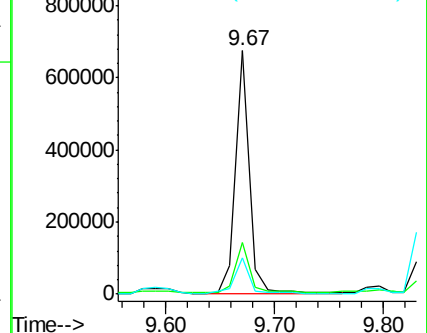
153 14.6 11.4 17.2

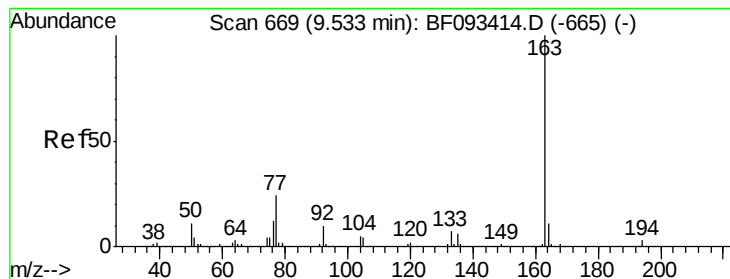


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 7.79 ng

RT: 9.53 min Scan# 669

Delta R.T. 0.00 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

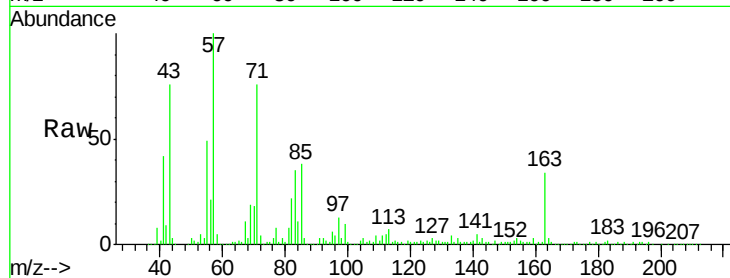
Tgt Ion:163 Resp: 114544

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.4

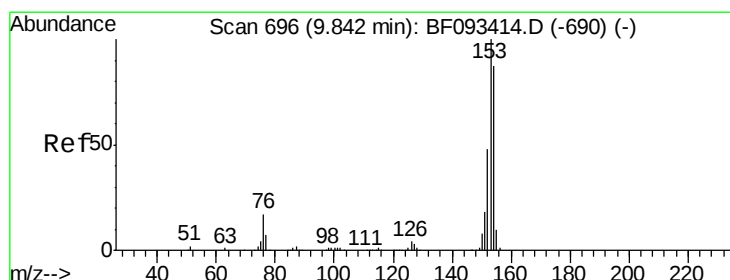
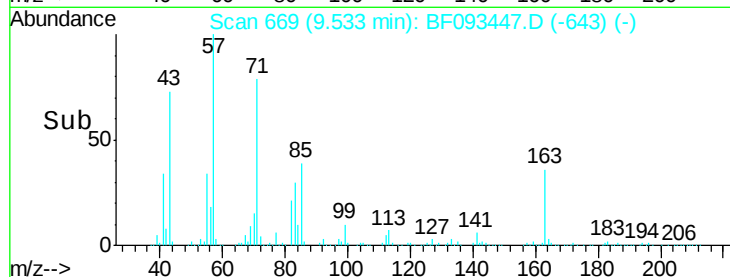
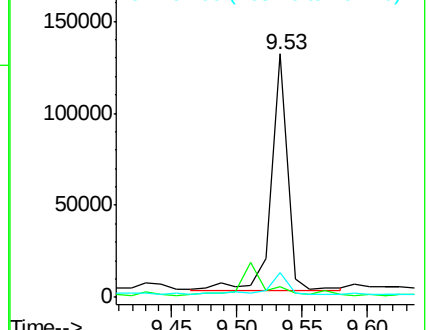
164 10.3 8.0 12.0



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: 59.23 ng

RT: 9.84 min Scan# 696

Delta R.T. 0.00 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

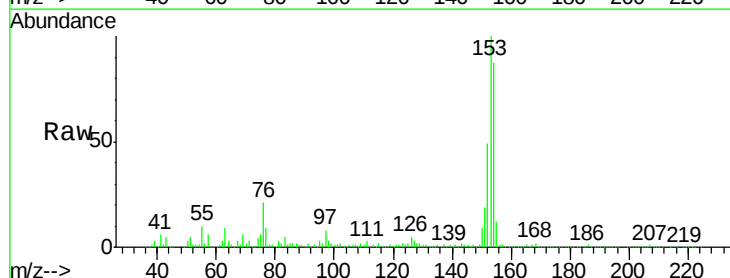
Tgt Ion:154 Resp: 714401

Ion Ratio Lower Upper

154 100

153 114.3 88.6 133.0

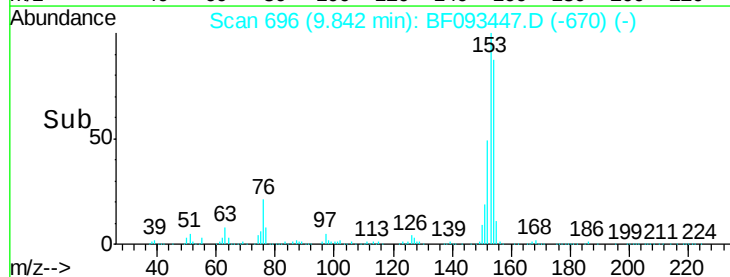
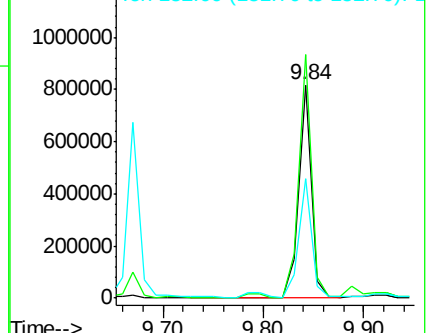
152 55.9 41.6 62.4

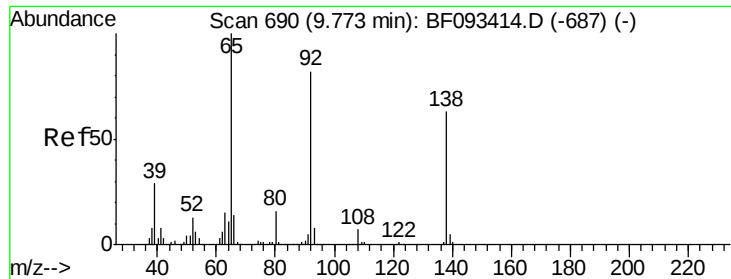


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 2.32 ng

RT: 9.75 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

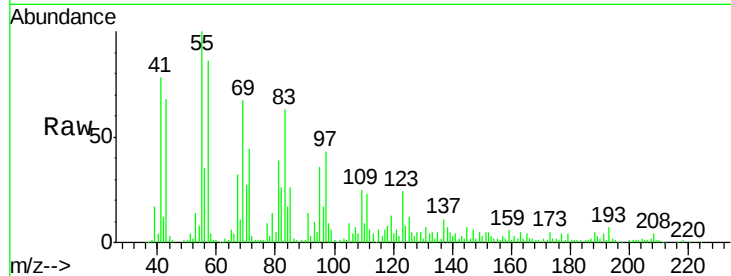
Tgt Ion:138 Resp: 8994

Ion Ratio Lower Upper

138 100

108 62.8 8.5 12.7#

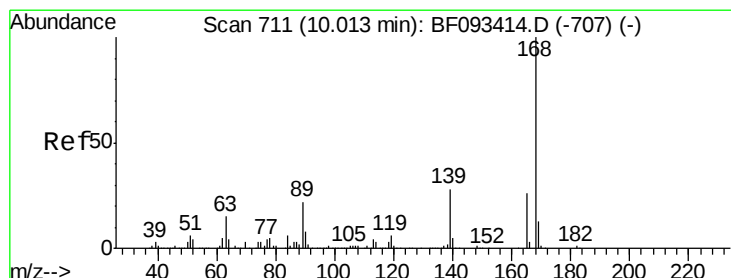
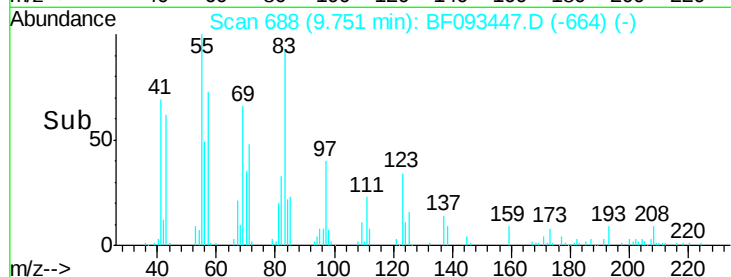
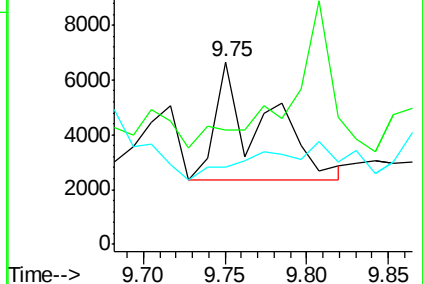
92 42.7 97.8 146.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#54

Dibenzofuran

Concen: 55.30 ng

RT: 10.01 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

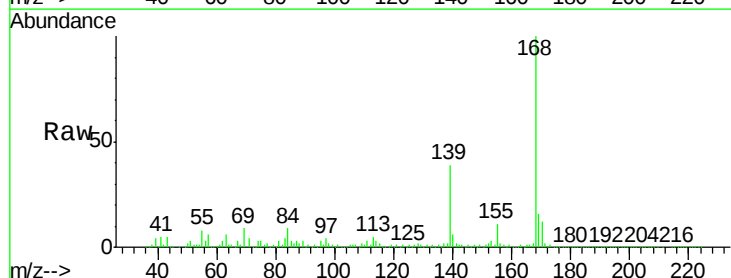
Tgt Ion:168 Resp: 834940

Ion Ratio Lower Upper

168 100

139 39.2 32.6 49.0

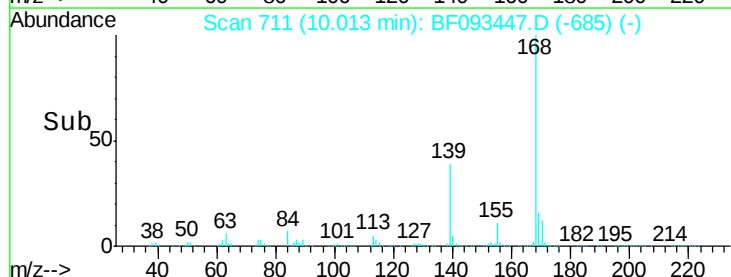
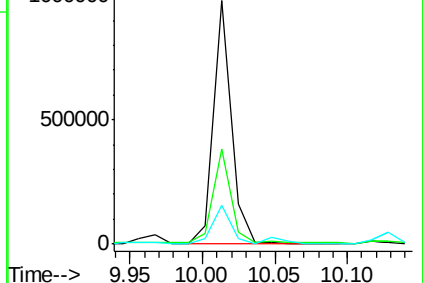
169 15.8 11.3 16.9

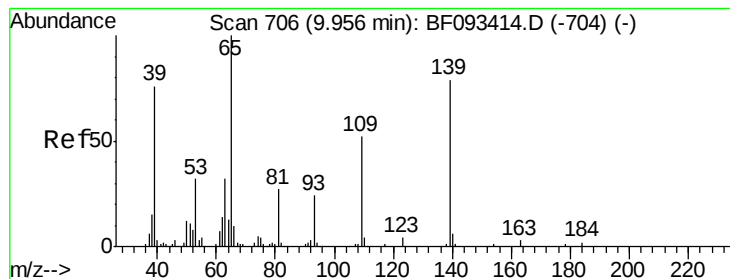


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 5.97 ng

RT: 9.91 min Scan# 702

Delta R.T. -0.05 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

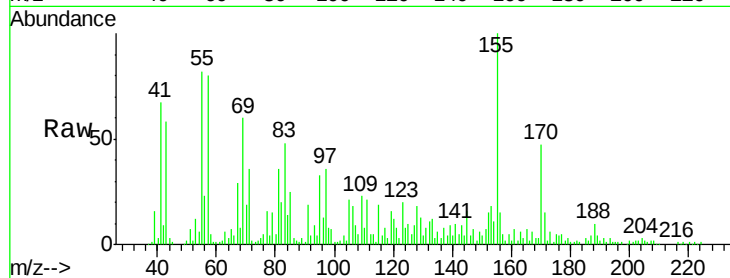
Tgt Ion:139 Resp: 11232

Ion Ratio Lower Upper

139 100

109 243.4 52.2 92.2#

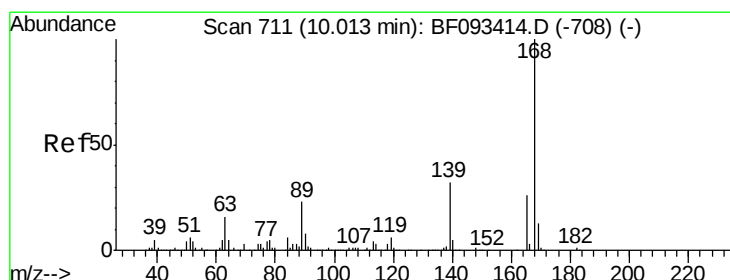
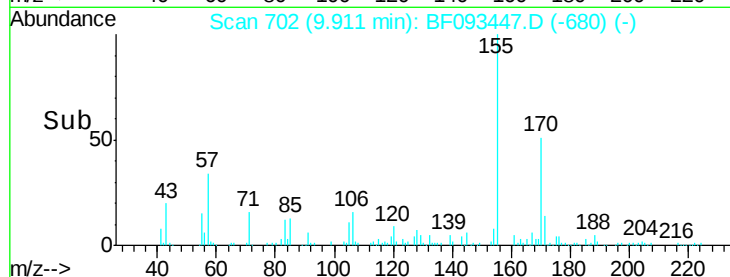
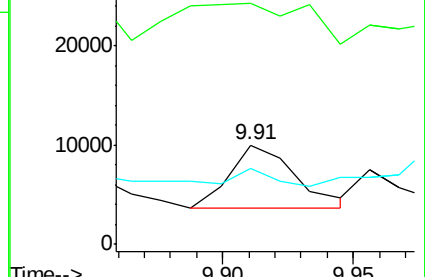
65 76.5 85.8 125.8#



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): BF0



#56

2,4-Dinitrotoluene

Concen: 4.59 ng

RT: 9.97 min Scan# 707

Delta R.T. -0.05 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Tgt Ion:165 Resp: 18189

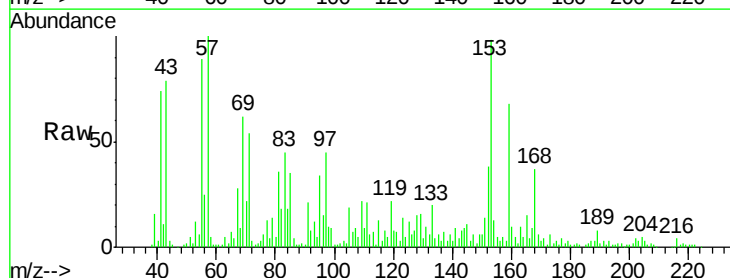
Ion Ratio Lower Upper

165 100

63 33.4 40.2 60.4#

89 16.0 62.5 93.7#

182 12.5 1.8 2.8#

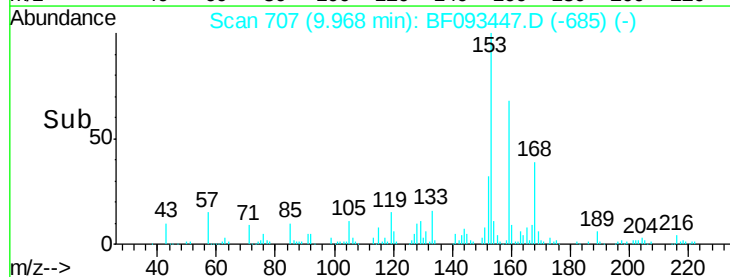
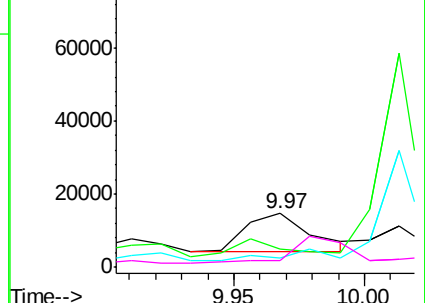


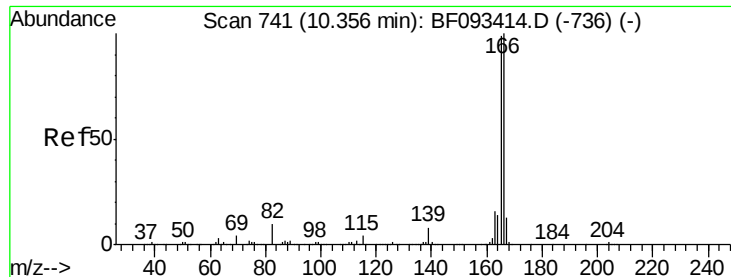
Abundance Ion 165.00 (164.70 to 165.70): E

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: 87.83 ng

RT: 10.36 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

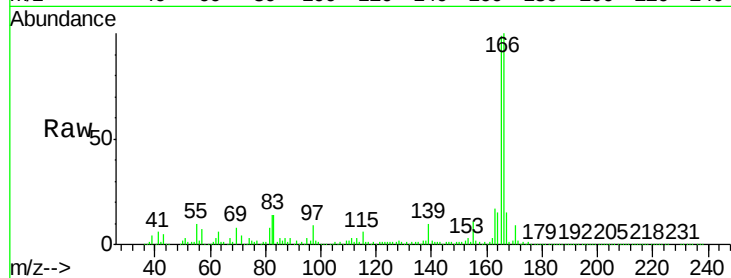
Tgt Ion:166 Resp: 1123536

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.8

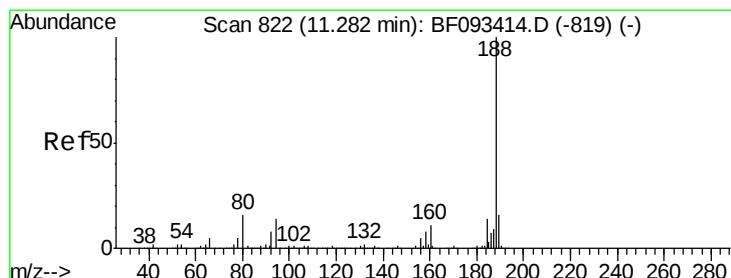
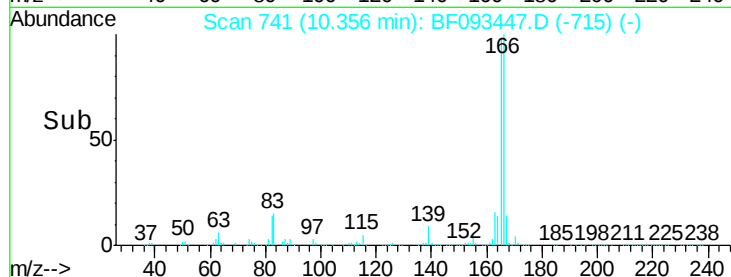
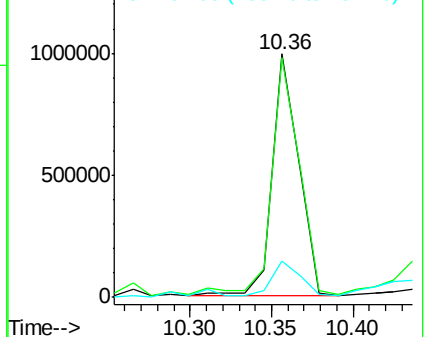
167 14.8 10.8 16.2



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: BF093447.D

Acq: 8 Mar 2017 23:50

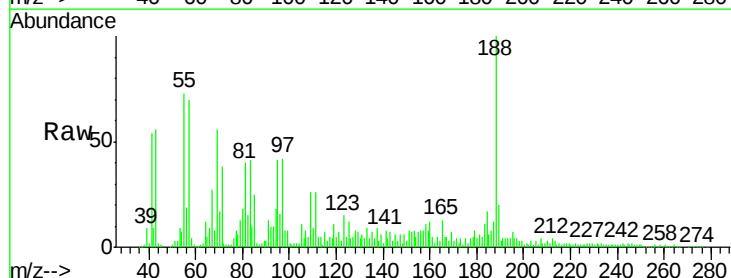
Tgt Ion:188 Resp: 324802

Ion Ratio Lower Upper

188 100

94 18.1 10.0 15.0#

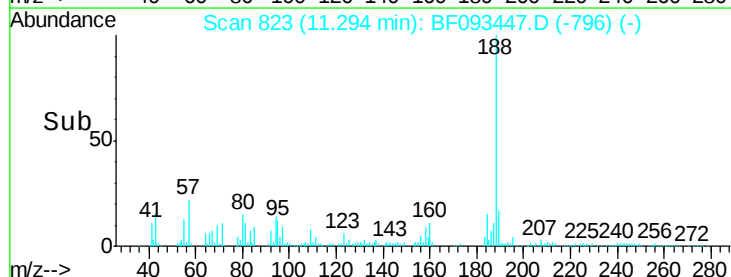
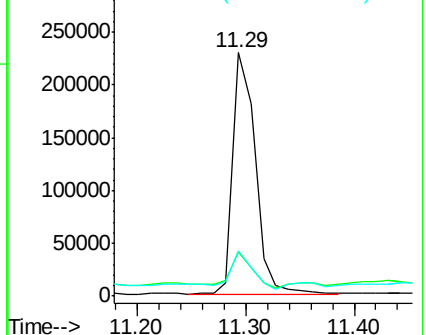
80 18.4 11.2 16.8#

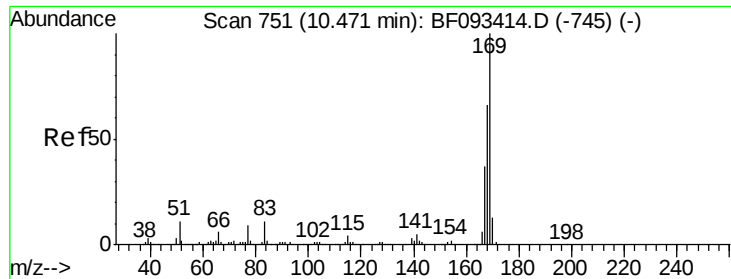


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 8.60 ng

RT: 10.47 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

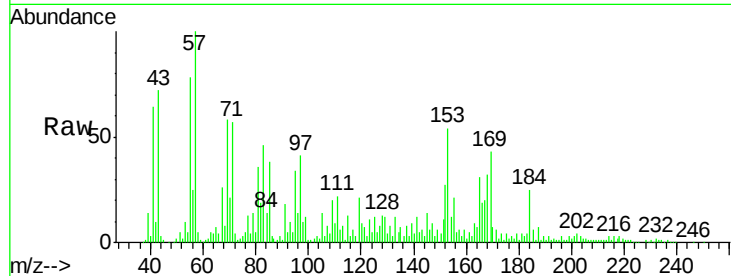
Tgt Ion:169 Resp: 93286

Ion Ratio Lower Upper

169 100

168 75.3 54.2 81.2

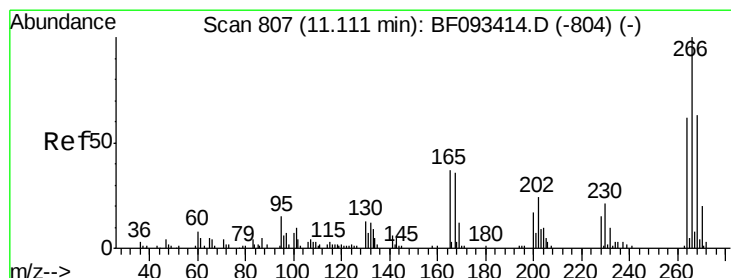
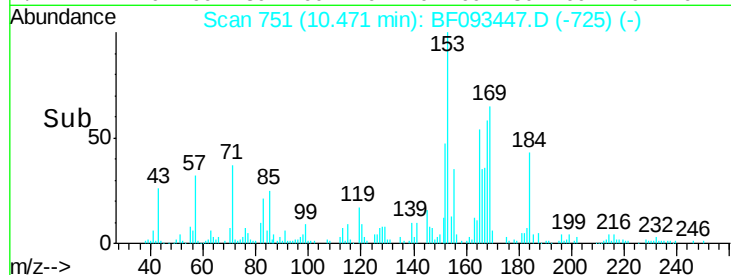
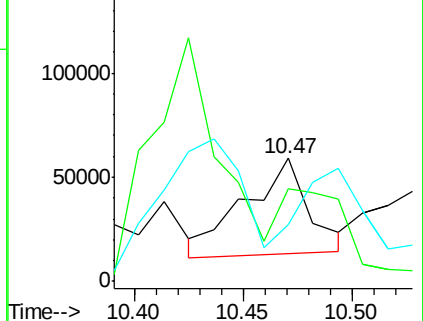
167 45.8 30.2 45.4#



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



#69

Pentachlorophenol

Concen: 2.26 ng

RT: 11.13 min Scan# 809

Delta R.T. 0.02 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

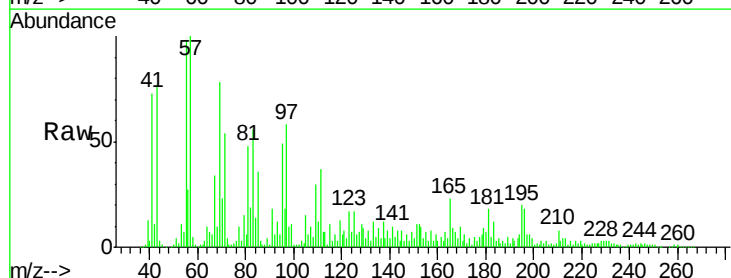
Tgt Ion:266 Resp: 2554

Ion Ratio Lower Upper

266 100

268 0.0 53.3 79.9#

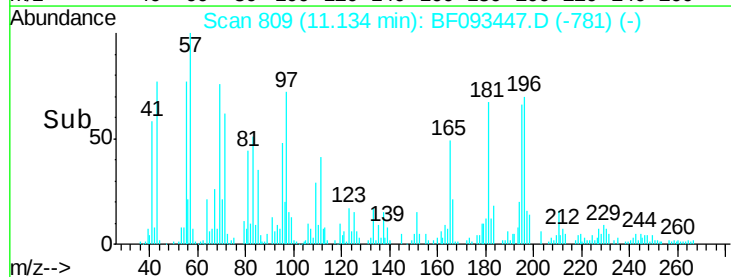
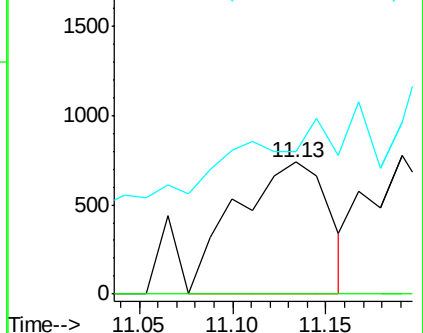
264 107.8 50.3 75.5#

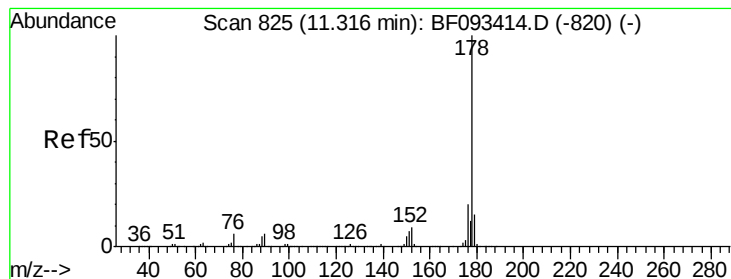


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 158.27 ng

RT: 11.33 min Scan# 826

Delta R.T. 0.01 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

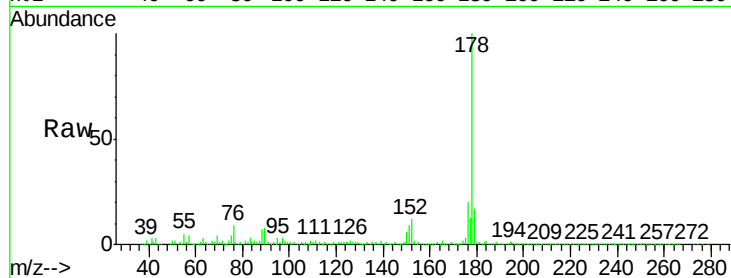
Tgt Ion:178 Resp: 2934360

Ion Ratio Lower Upper

178 100

176 20.5 16.6 25.0

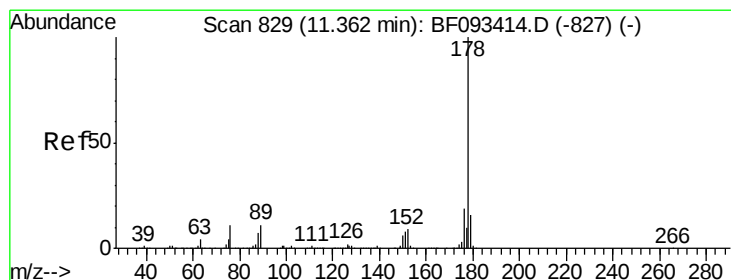
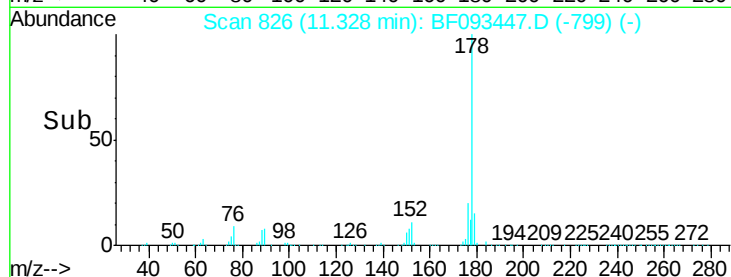
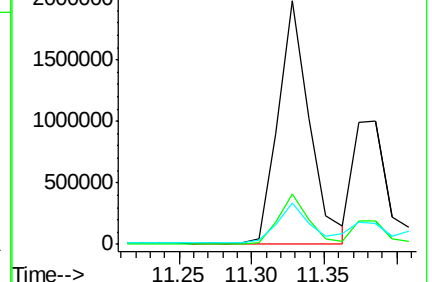
179 16.8 12.8 19.2



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: 90.99 ng

RT: 11.39 min Scan# 831

Delta R.T. 0.02 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

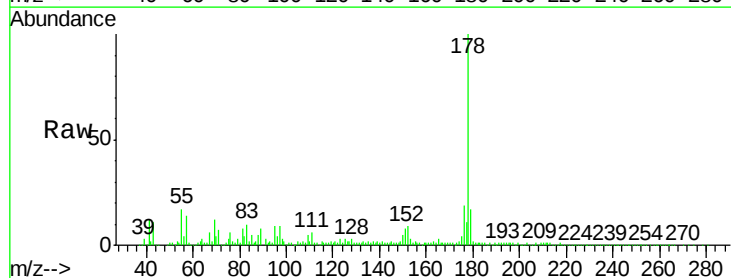
Tgt Ion:178 Resp: 1706344

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

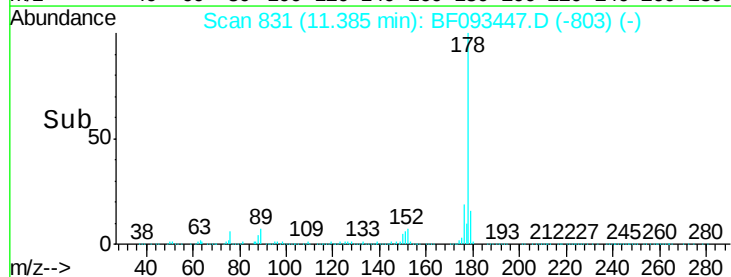
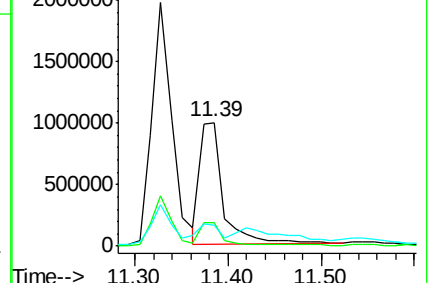
179 17.2 13.2 19.8

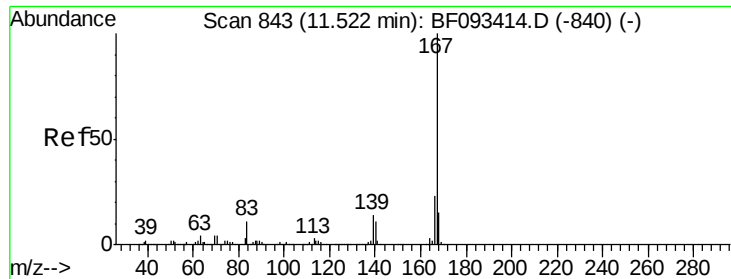


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

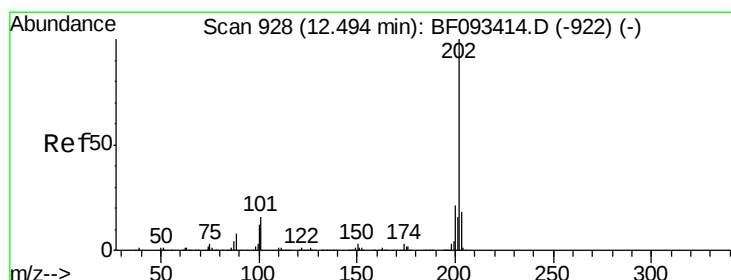
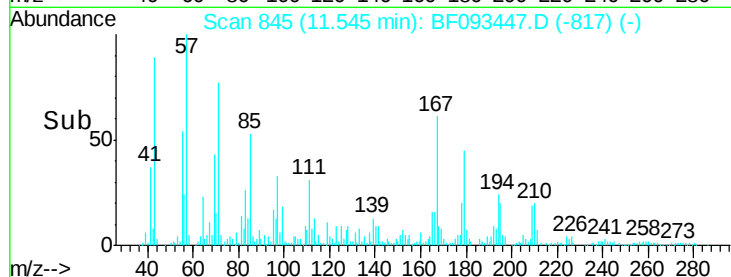
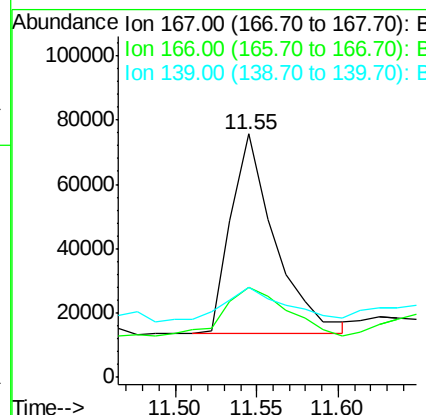
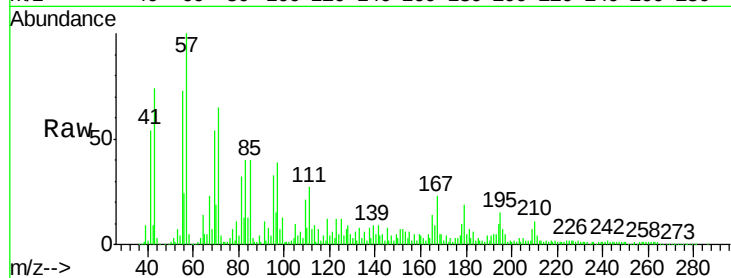




#72
 Carbazole
 Concen: 6.58 ng
 RT: 11.55 min Scan# 845
 Delta R.T. 0.02 min
 Lab File: BF093447.D
 Acq: 8 Mar 2017 23:50

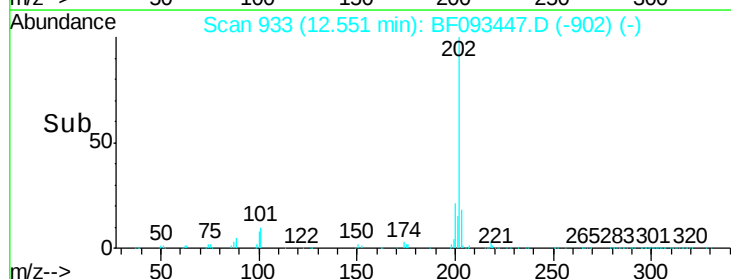
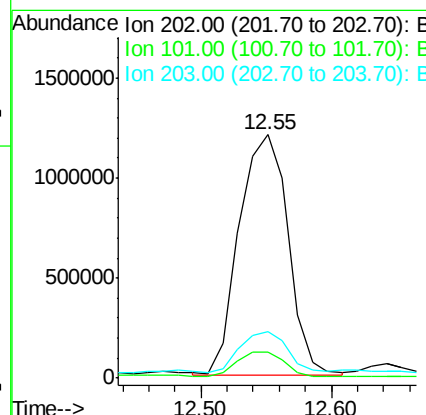
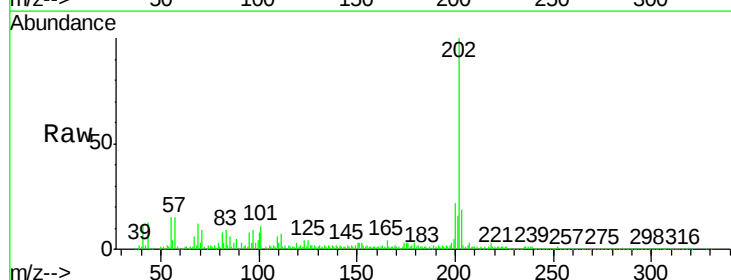
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB413A

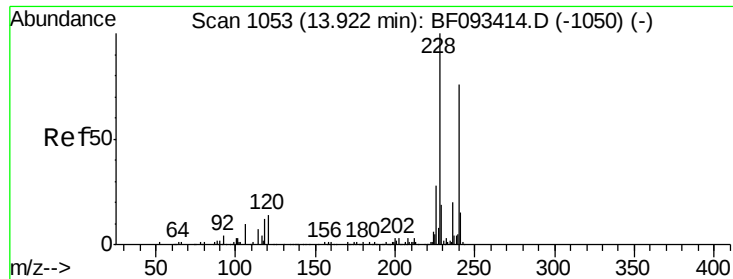
Tgt Ion:167 Resp: 116014
 Ion Ratio Lower Upper
 167 100
 166 37.2 18.2 27.2#
 139 37.1 11.4 17.2#



#74
 Fluoranthene
 Concen: 174.29 ng
 RT: 12.55 min Scan# 933
 Delta R.T. 0.06 min
 Lab File: BF093447.D
 Acq: 8 Mar 2017 23:50

Tgt Ion:202 Resp: 3121238
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 34.6
 203 19.1 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1060

Delta R.T. 0.08 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

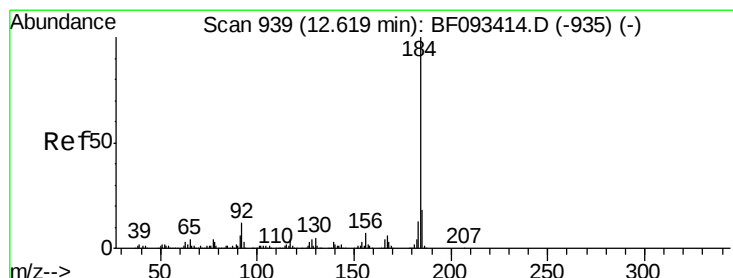
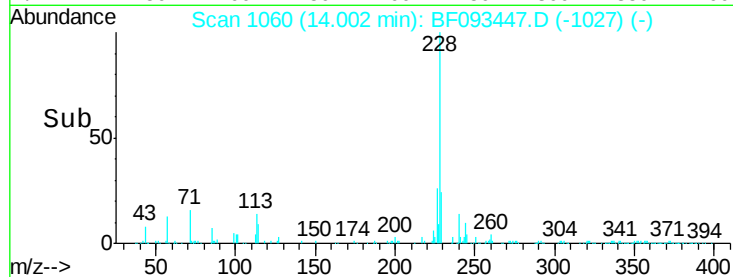
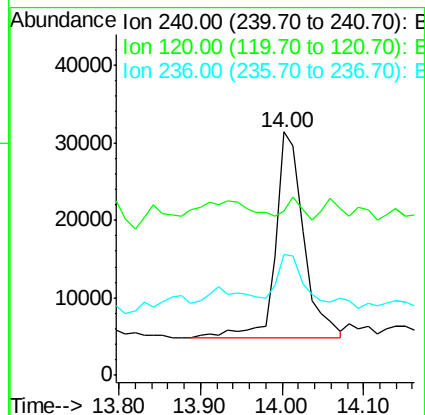
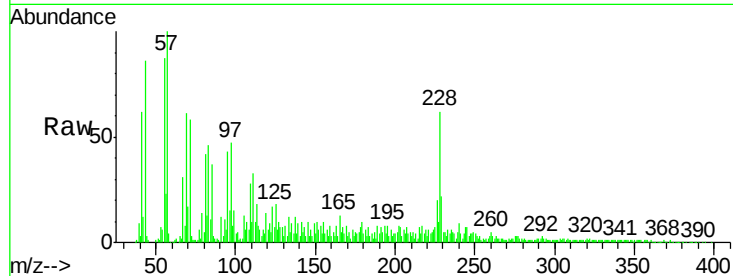
Tgt Ion:240 Resp: 64646

Ion Ratio Lower Upper

240 100

120 67.3 12.9 19.3#

236 49.5 20.9 31.3#



#76

Benzidine

Concen: 4.83 ng

RT: 12.72 min Scan# 948

Delta R.T. 0.10 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

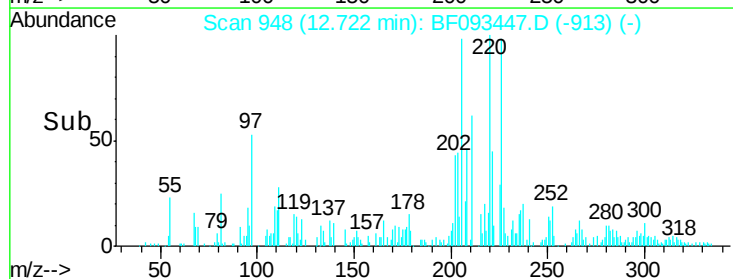
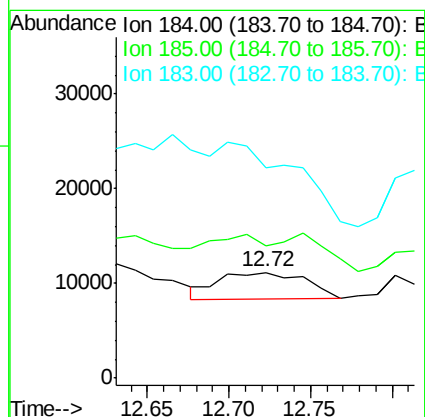
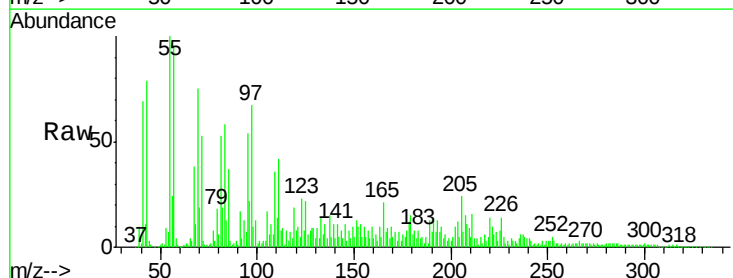
Tgt Ion:184 Resp: 10269

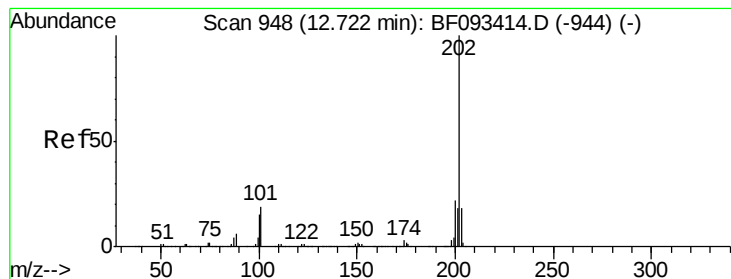
Ion Ratio Lower Upper

184 100

185 125.3 13.4 20.0#

183 199.7 9.2 13.8#





#77

Pyrene

Concen: 623.28 ng

RT: 12.55 min Scan# 933

Delta R.T. -0.17 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

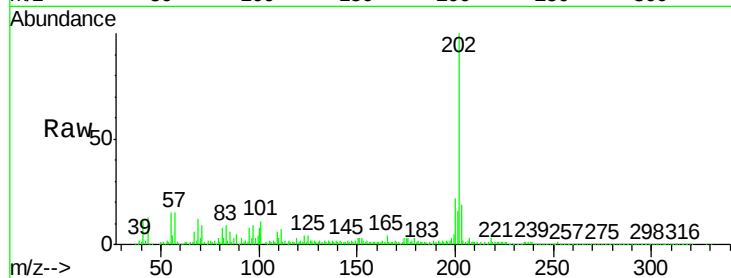
Tgt Ion:202 Resp: 2930402

Ion Ratio Lower Upper

202 100

200 21.6 17.7 26.5

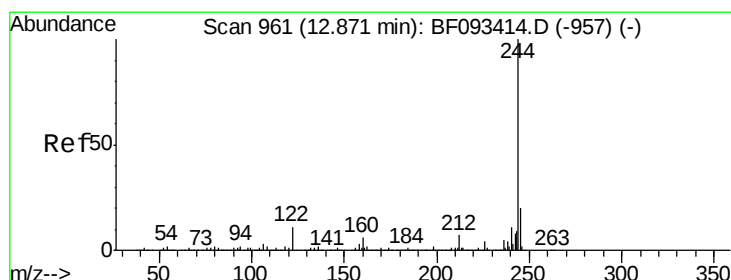
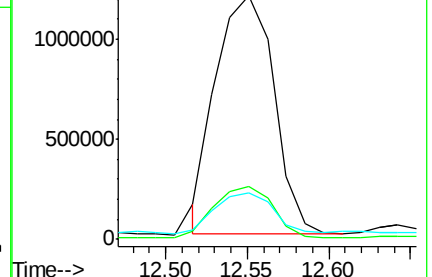
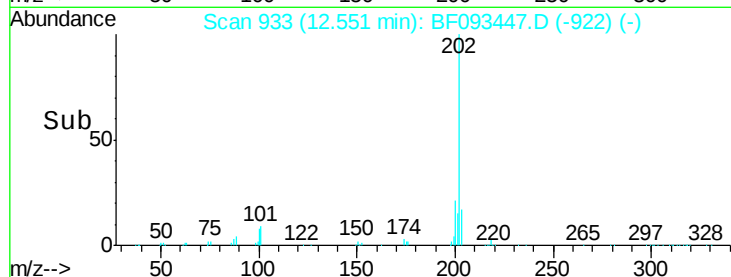
203 19.1 14.7 22.1



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: 100.22 ng

RT: 12.92 min Scan# 965

Delta R.T. 0.05 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

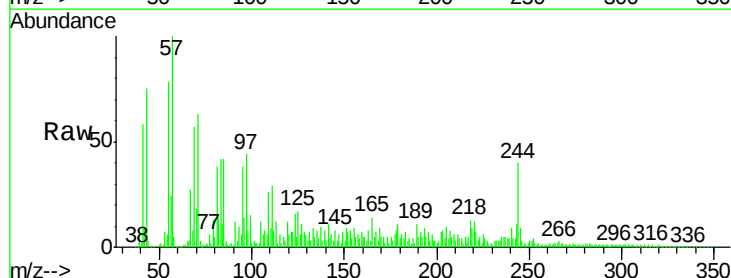
Tgt Ion:244 Resp: 249193

Ion Ratio Lower Upper

244 100

212 11.2 6.2 9.2#

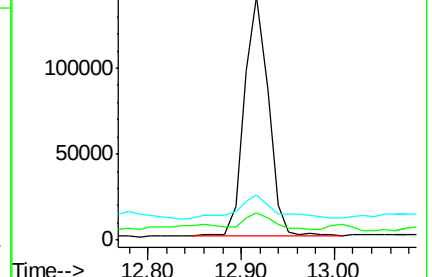
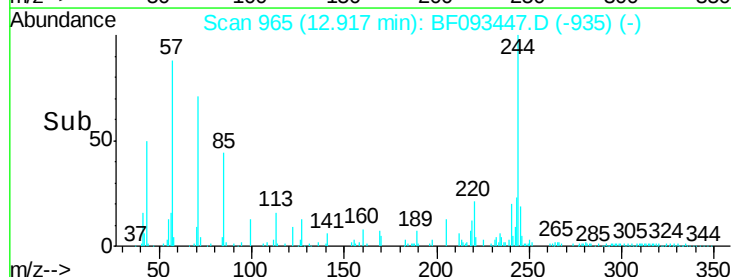
122 18.8 11.4 17.2#

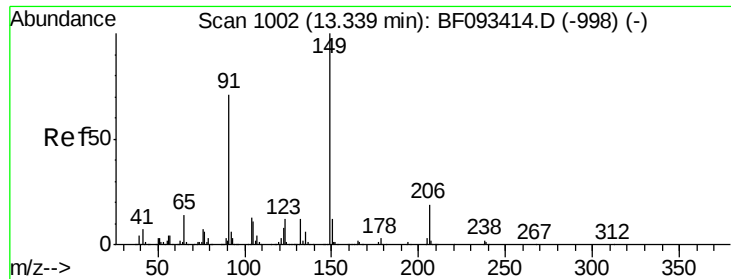


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

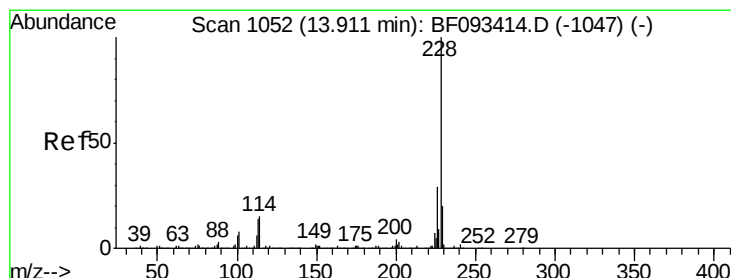
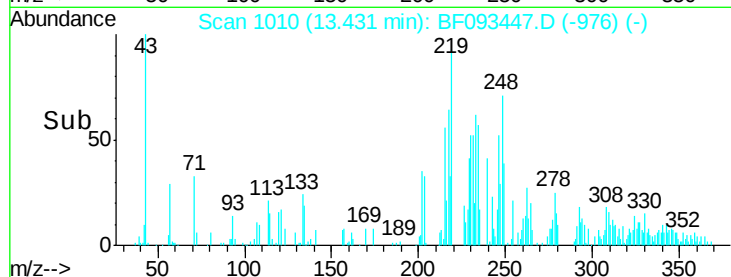
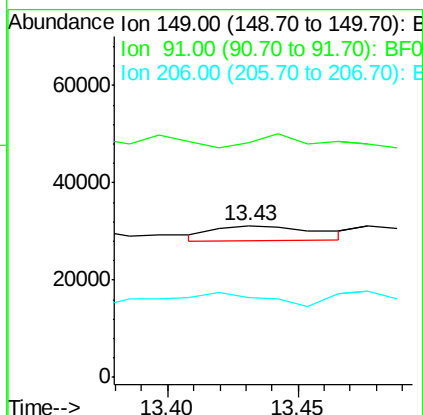
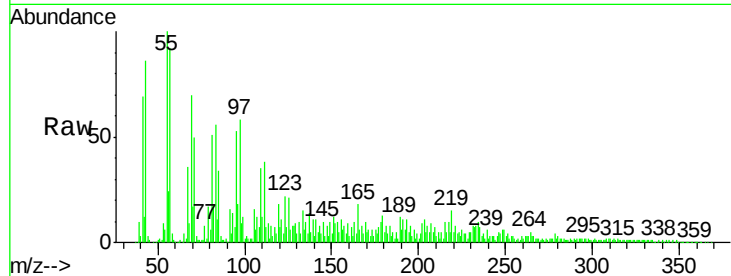




#79
Butylbenzylphthalate
Concen: 4.16 ng
RT: 13.43 min Scan# 1010
Delta R.T. 0.09 min
Lab File: BF093447.D
Acq: 8 Mar 2017 23:50

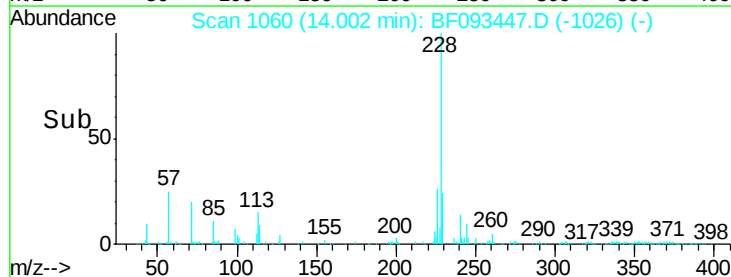
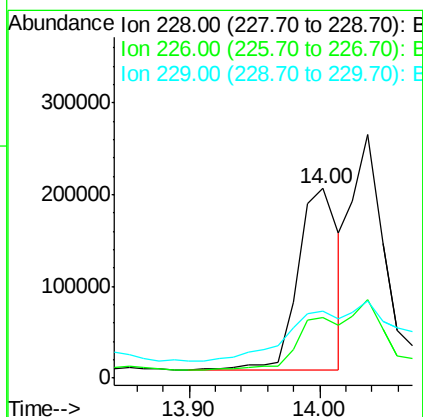
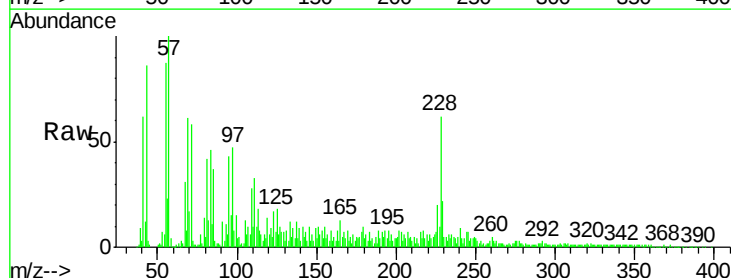
Instrument :
BNA_F
ClientSampleId :
HY-SB413A

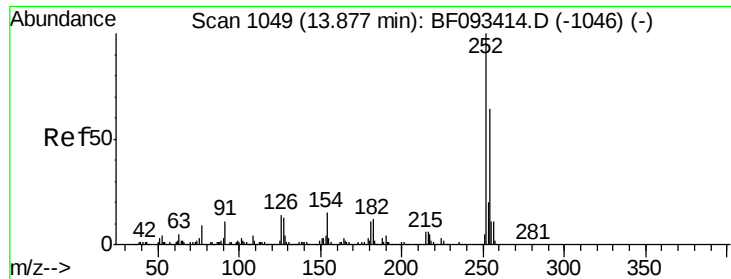
Tgt Ion:149 Resp: 8239
Ion Ratio Lower Upper
149 100
91 154.5 63.9 95.9#
206 52.3 14.6 21.8#



#80
Benzo(a)anthracene
Concen: 113.86 ng
RT: 14.00 min Scan# 1060
Delta R.T. 0.09 min
Lab File: BF093447.D
Acq: 8 Mar 2017 23:50

Tgt Ion:228 Resp: 434664
Ion Ratio Lower Upper
228 100
226 31.9 22.4 33.6
229 35.2 16.2 24.4#

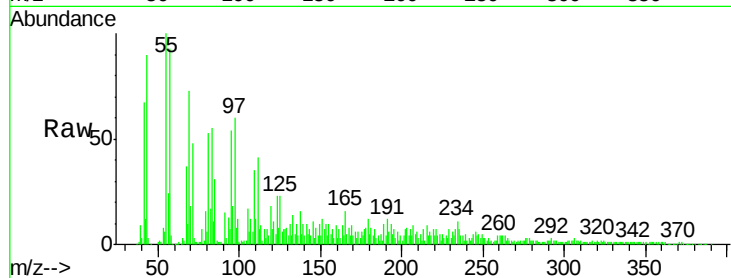




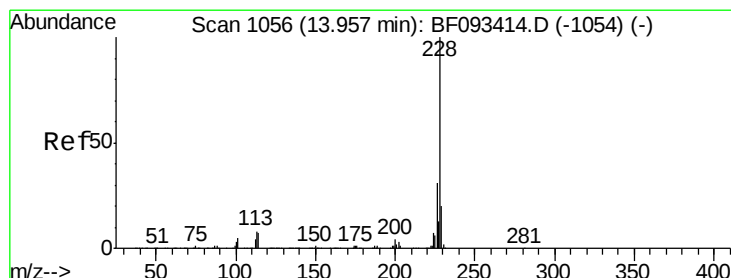
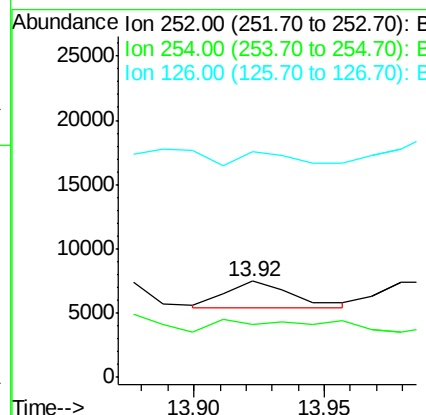
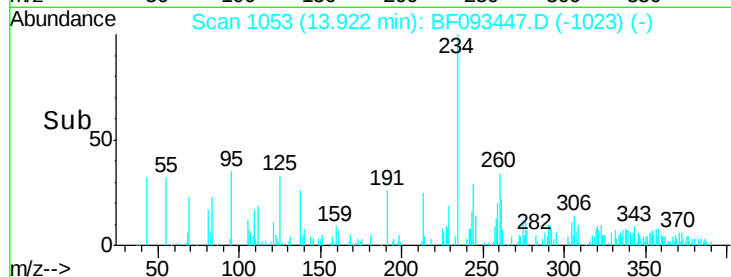
#81
 3,3'-Dichlorobenzidine
 Concen: 2.72 ng
 RT: 13.92 min Scan# 1053
 Delta R.T. 0.05 min
 Lab File: BF093447.D
 Acq: 8 Mar 2017 23:50

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB413A

Tgt Ion: 252 Resp: 3641
 Ion Ratio Lower Upper
 252 100
 254 55.5 52.3 78.5
 126 235.0 13.6 20.4#

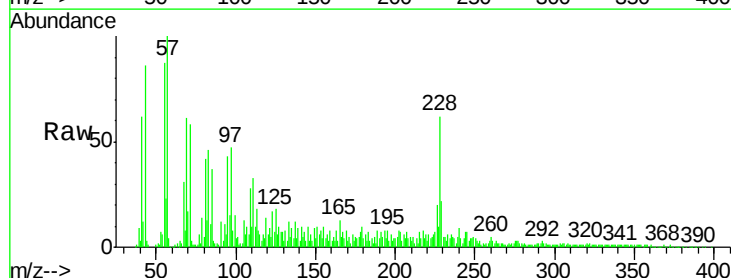


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

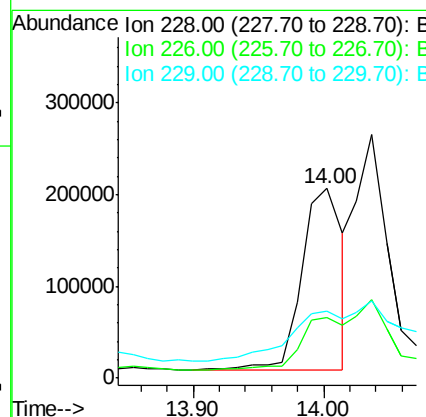
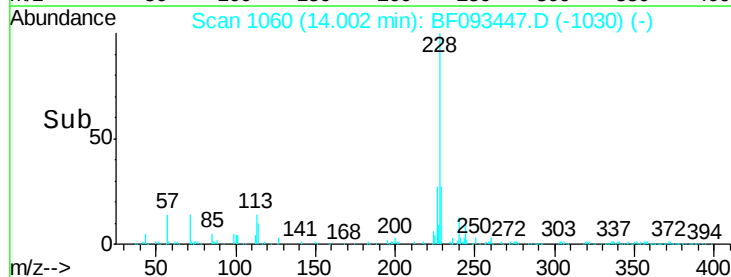


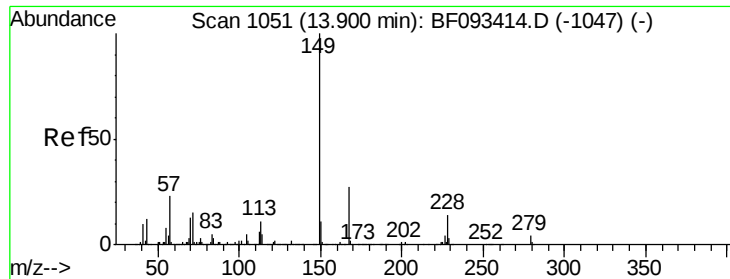
#82
 Chrysene
 Concen: 123.06 ng
 RT: 14.00 min Scan# 1060
 Delta R.T. 0.05 min
 Lab File: BF093447.D
 Acq: 8 Mar 2017 23:50

Tgt Ion: 228 Resp: 434664
 Ion Ratio Lower Upper
 228 100
 226 31.9 25.4 38.0
 229 35.2 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

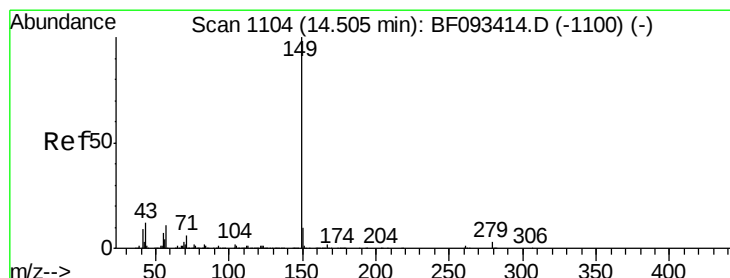
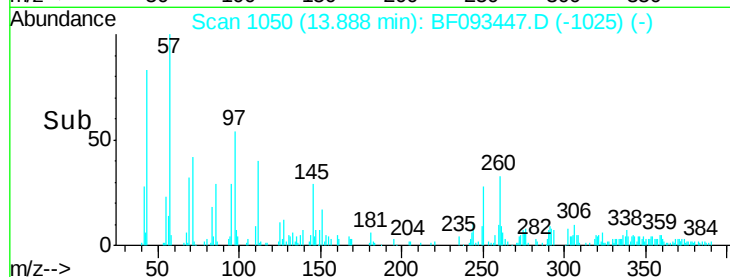
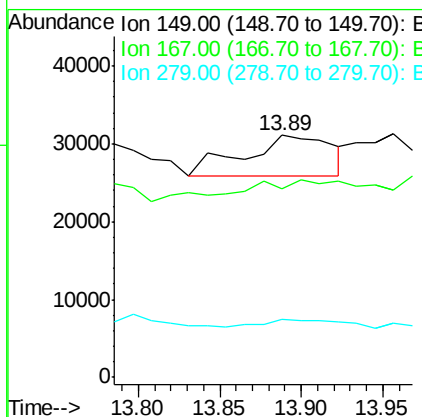
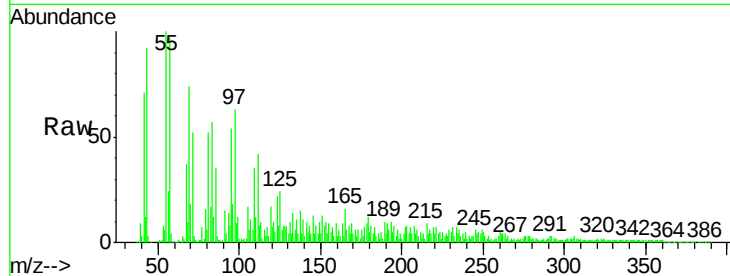




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.06 ng
 RT: 13.89 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BF093447.D
 Acq: 8 Mar 2017 23:50

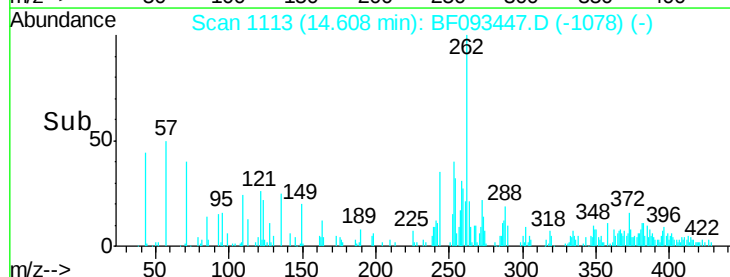
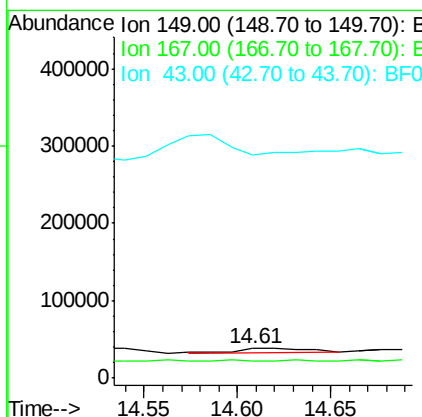
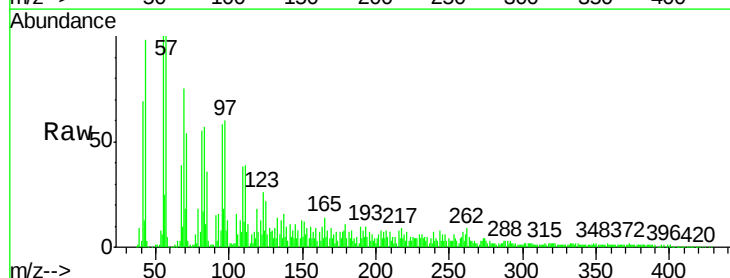
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB413A

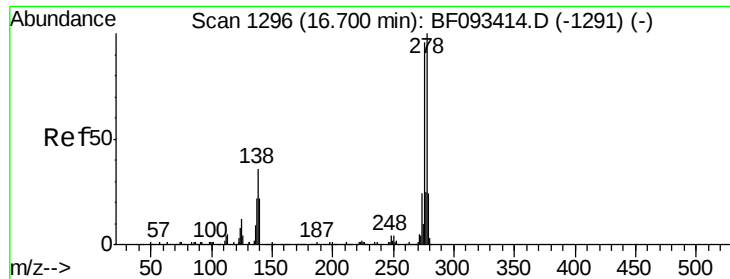
Tgt Ion:149 Resp: 19464
 Ion Ratio Lower Upper
 149 100
 167 77.6 20.2 30.4#
 279 23.9 1.8 2.8#



#84
 Di-n-octyl phthalate
 Concen: 2.93 ng
 RT: 14.61 min Scan# 1113
 Delta R.T. 0.10 min
 Lab File: BF093447.D
 Acq: 8 Mar 2017 23:50

Tgt Ion:149 Resp: 13478
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 0.0 8.9 13.3#





#85

Indeno(1,2,3-cd)pyrene

Concen: 64.69 ng

RT: 16.96 min Scan# 1319

Delta R.T. 0.26 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

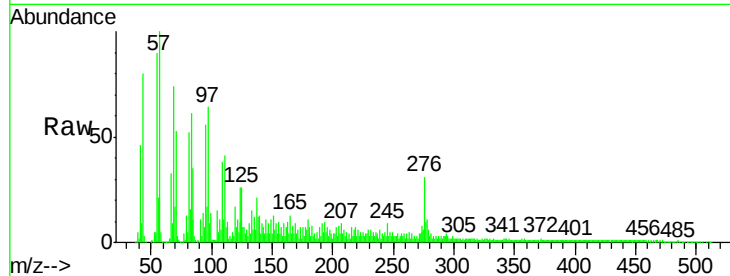
Tgt Ion:276 Resp: 191275

Ion Ratio Lower Upper

276 100

138 27.5 21.8 32.6

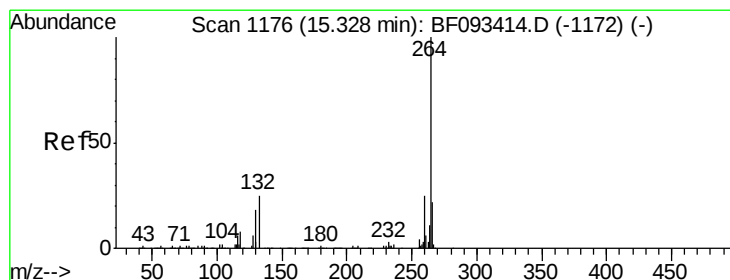
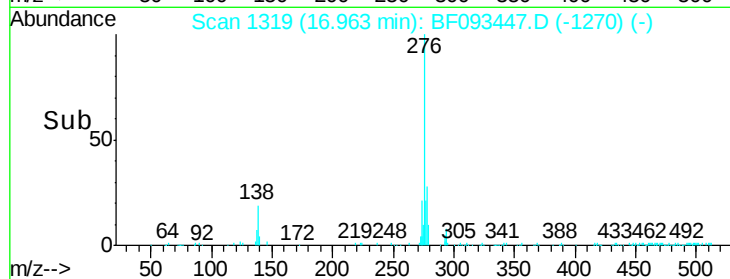
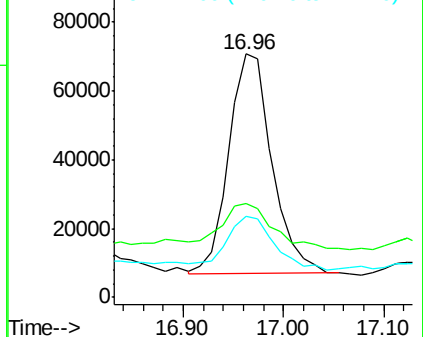
277 27.5 20.2 30.4



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: 15.51 min Scan# 1192

Delta R.T. 0.18 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

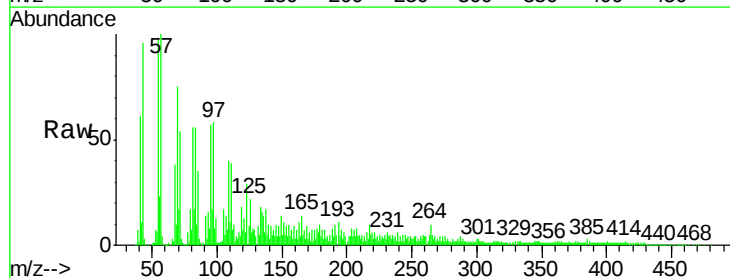
Tgt Ion:264 Resp: 52504

Ion Ratio Lower Upper

264 100

260 45.0 19.2 28.8#

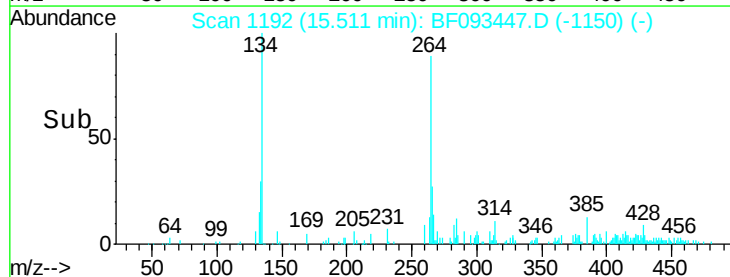
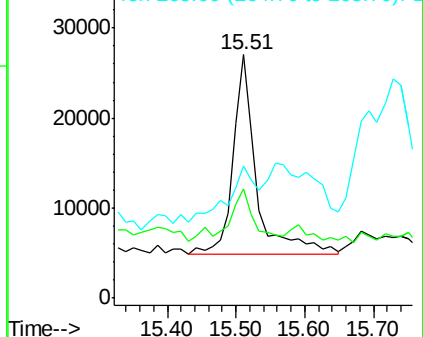
265 54.2 17.4 26.0#

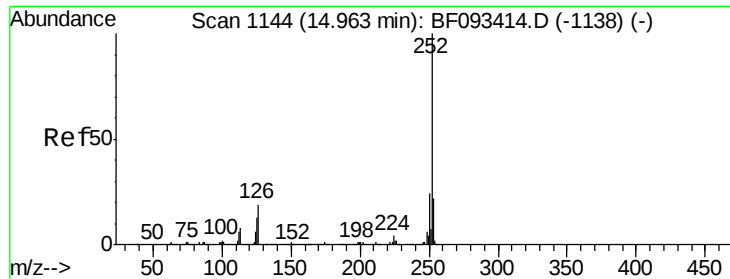


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 122.47 ng

RT: 15.09 min Scan# 1155

Delta R.T. 0.15 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

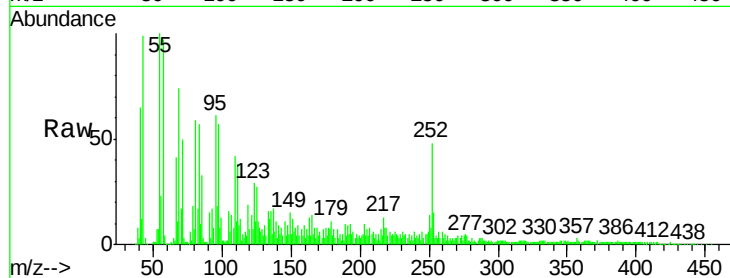
Tgt Ion:252 Resp: 391620

Ion Ratio Lower Upper

252 100

253 31.4 18.2 27.4#

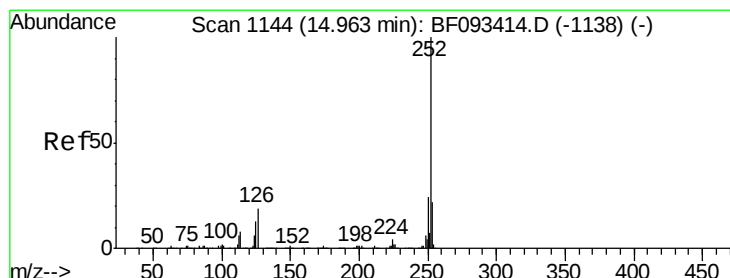
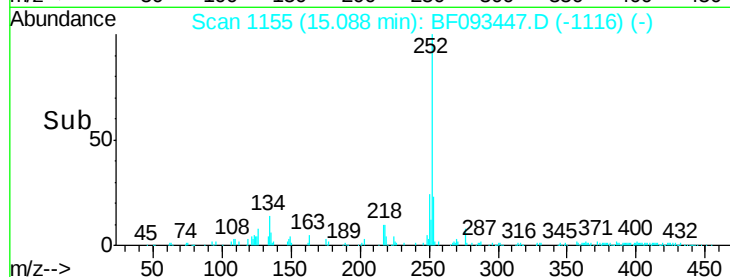
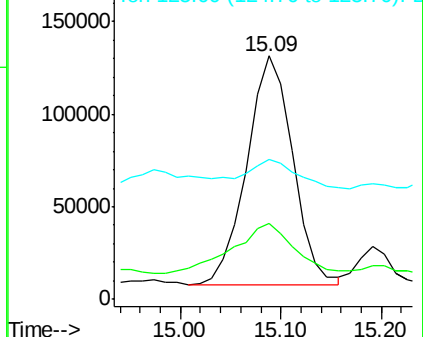
125 57.7 9.8 14.6#



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: 13.45 ng

RT: 15.19 min Scan# 1164

Delta R.T. 0.23 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

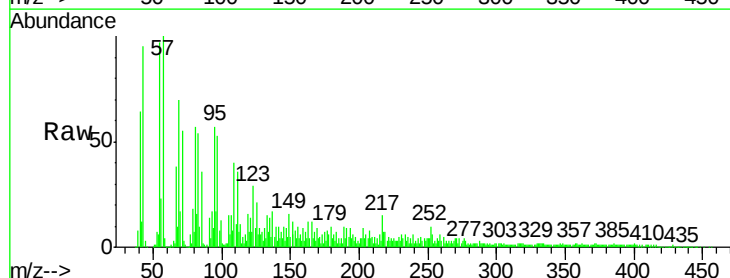
Tgt Ion:252 Resp: 41467

Ion Ratio Lower Upper

252 100

253 64.8 18.5 27.7#

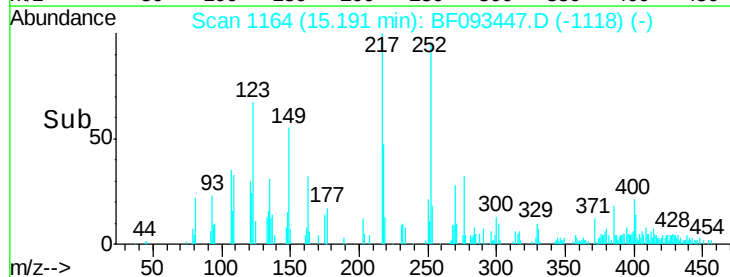
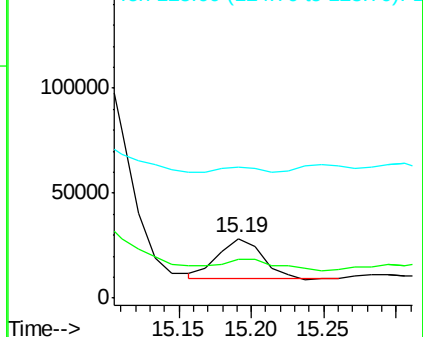
125 219.7 8.9 13.3#

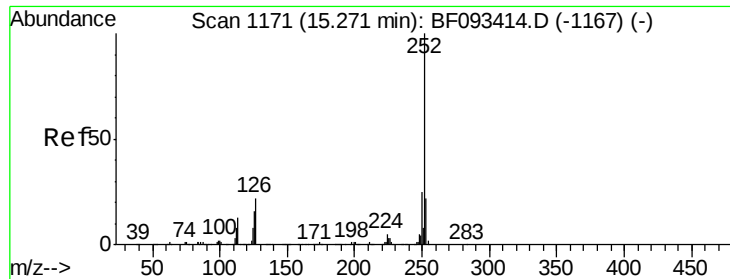


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 53.06 ng

RT: 15.45 min Scan# 1187

Delta R.T. 0.18 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

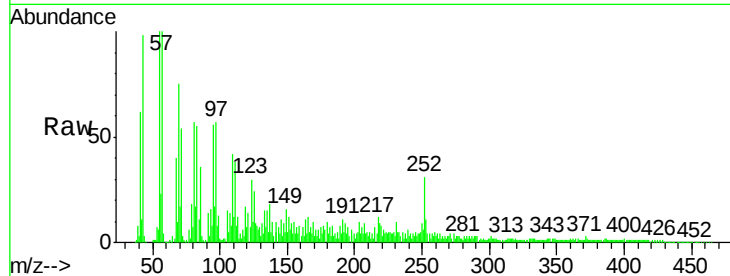
Tgt Ion:252 Resp: 155056

Ion Ratio Lower Upper

252 100

253 34.4 18.2 27.2#

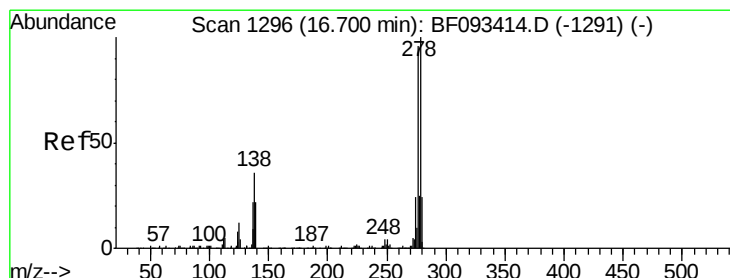
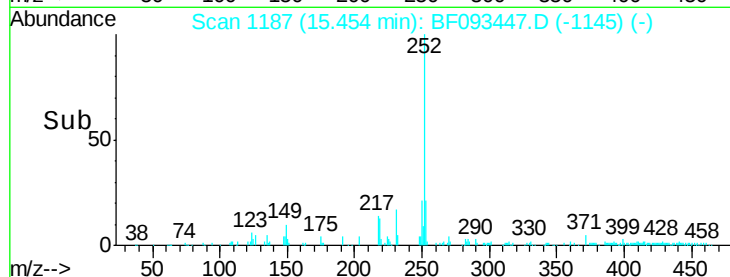
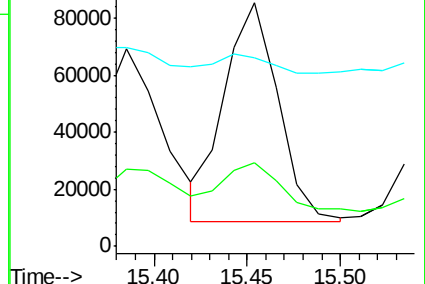
125 77.3 10.0 15.0#



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: 30.54 ng

RT: 16.95 min Scan# 1318

Delta R.T. 0.25 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

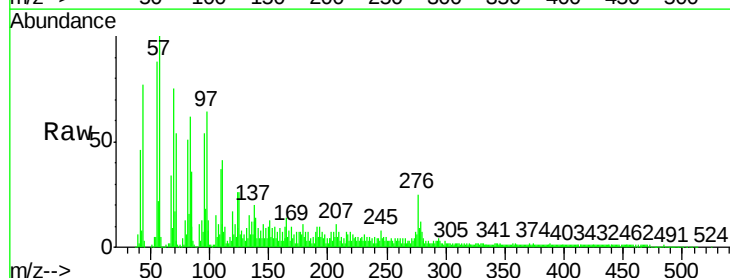
Tgt Ion:278 Resp: 73836

Ion Ratio Lower Upper

278 100

139 117.2 14.8 22.2#

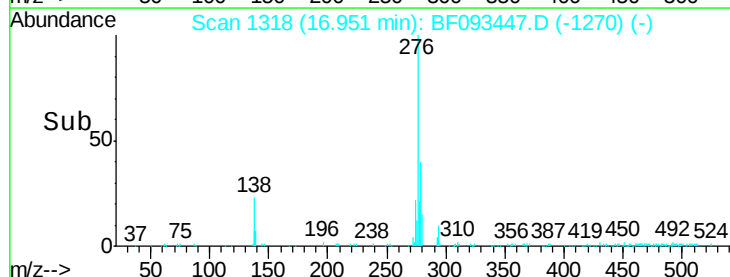
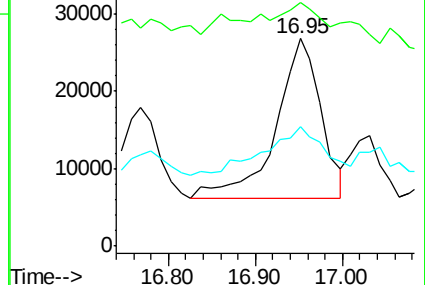
279 57.7 19.8 29.6#

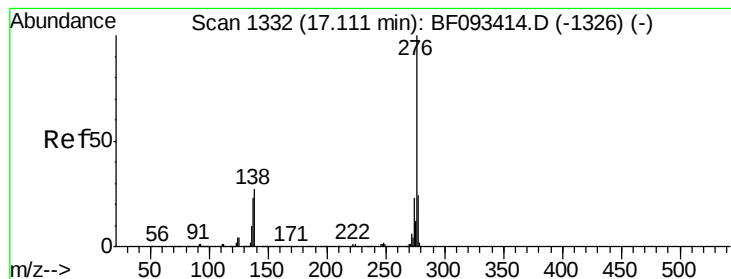


Abundance Ion 278.00 (277.70 to 278.70): E

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: 79.62 ng

RT: 17.40 min Scan# 1357

Delta R.T. 0.29 min

Lab File: BF093447.D

Acq: 8 Mar 2017 23:50

Instrument :

BNA_F

ClientSampleId :

HY-SB413A

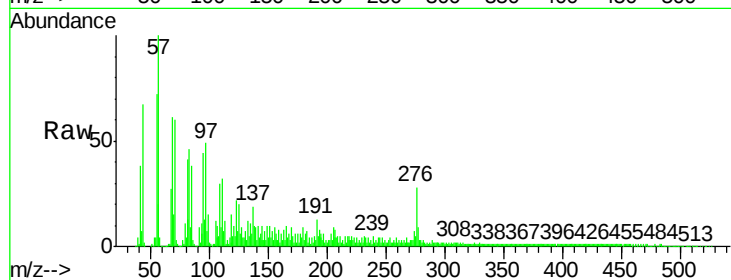
Tgt Ion:276 Resp: 197585

Ion Ratio Lower Upper

276 100

277 33.8 19.2 28.8#

138 35.9 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

