

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031117\
 Data File : BF093600.D
 Acq On : 12 Mar 2017 9:27
 Operator : SJ/MA
 Sample : I2133-03DL 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB422BDL

Quant Time: Mar 13 18:51:06 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

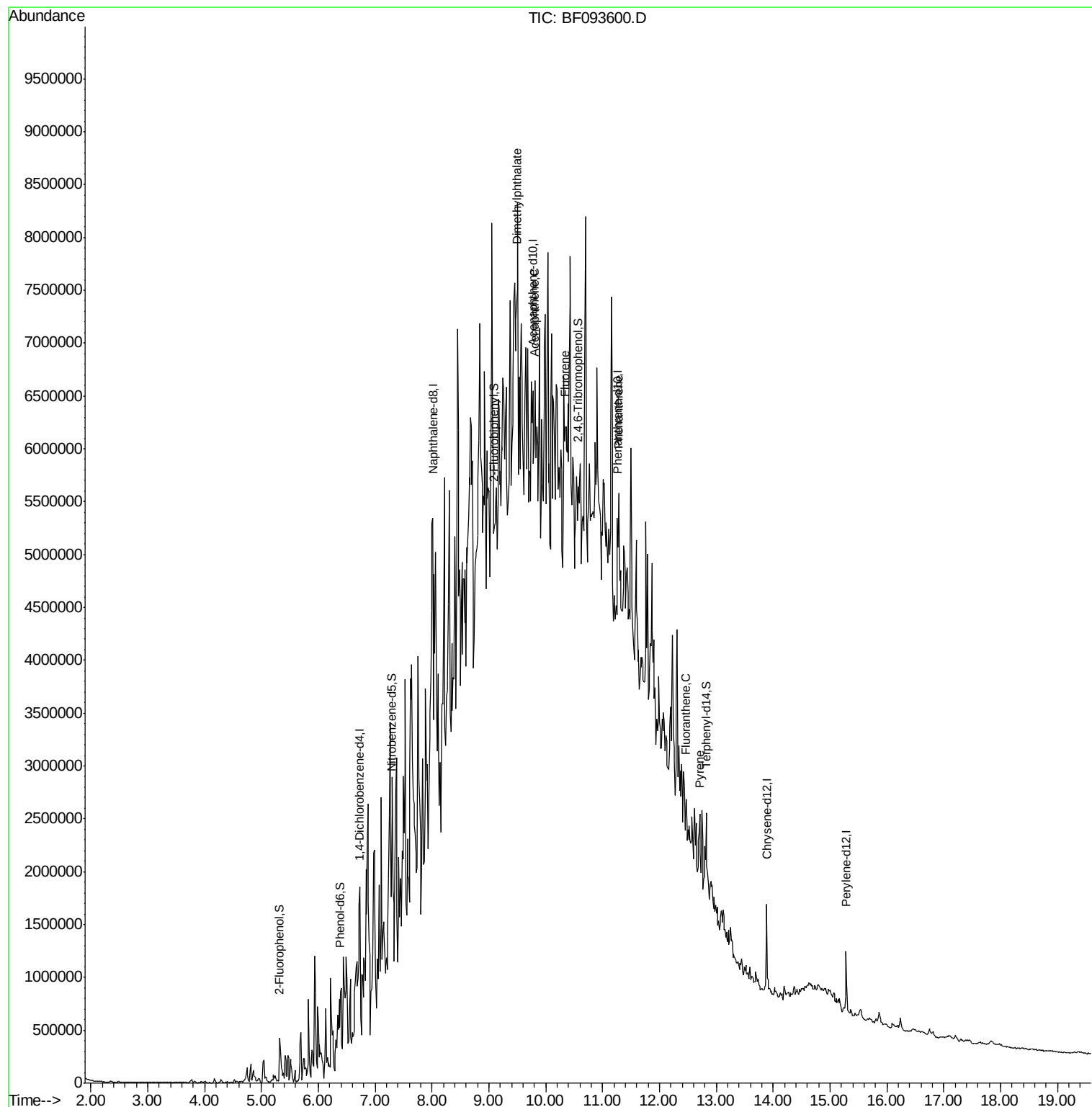
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	154588	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	456696	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	186406	20.00	ng	0.01
63) Phenanthrene-d10	11.26	188	317168	20.00	ng	0.01
75) Chrysene-d12	13.89	240	354105	20.00	ng	0.00
86) Perylene-d12	15.28	264	260615	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	246282	26.52	ng	0.00
7) Phenol-d6	6.39	99	306107	26.13	ng	0.01
23) Nitrobenzene-d5	7.29	82	207106	25.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	28908	23.80	ng	0.02
44) 2-Fluorobiphenyl	9.10	172	282460	28.19	ng	0.01
78) Terphenyl-d14	12.83	244	202956	14.90	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.50	163	157444	12.74	ng	# 89
51) Acenaphthene	9.81	154	177898	17.55	ng	# 82
57) Fluorene	10.33	166	343350	31.94	ng	# 85
70) Phenanthrene	11.28	178	961727	53.12	ng	# 94
74) Fluoranthene	12.47	202	83254	4.76	ng	90
77) Pyrene	12.70	202	261398	10.15	ng	# 89

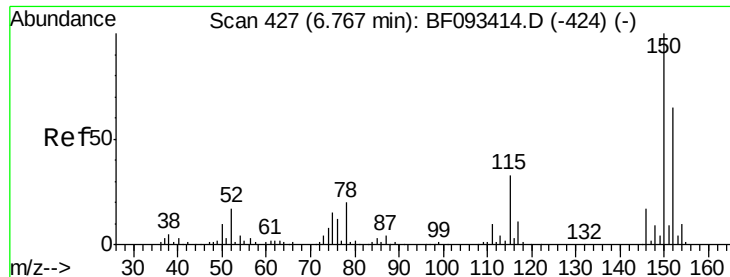
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

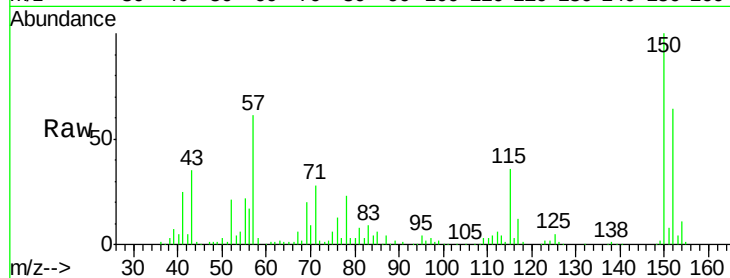
Tgt Ion:152 Resp: 154588

Ion Ratio Lower Upper

152 100

150 155.3 124.9 187.3

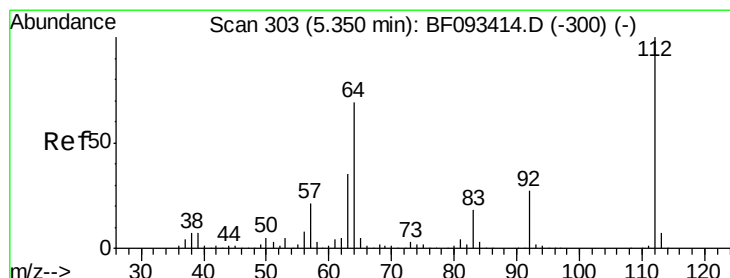
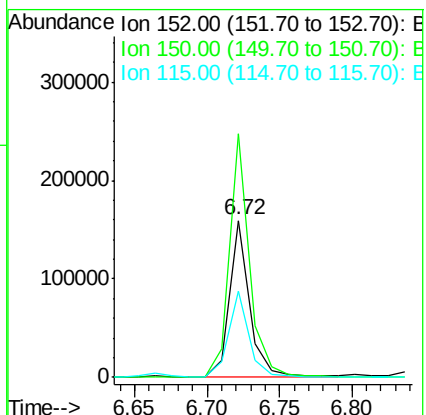
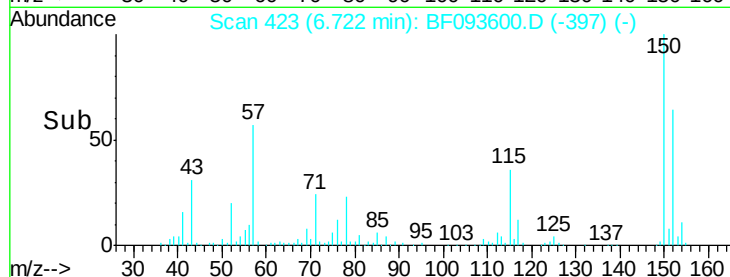
115 55.4 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 26.52 ng

RT: 5.32 min Scan# 300

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

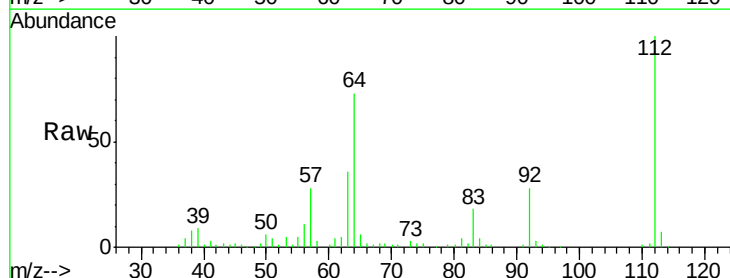
Tgt Ion:112 Resp: 246282

Ion Ratio Lower Upper

112 100

64 73.0 46.1 69.1#

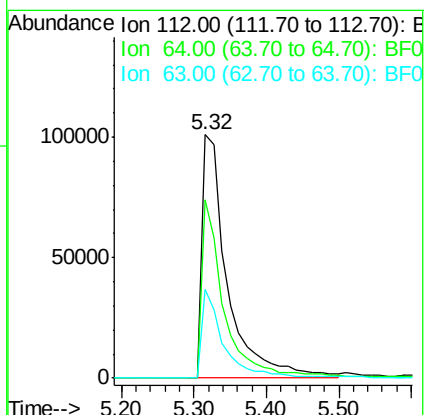
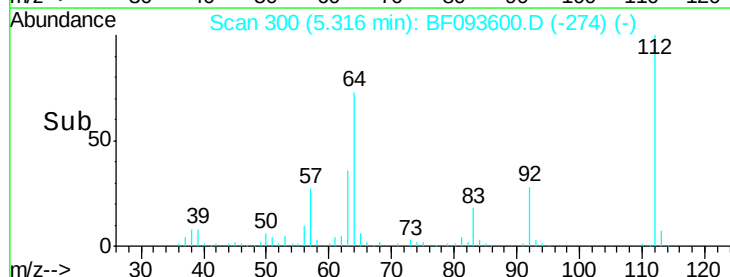
63 36.3 23.8 35.6#

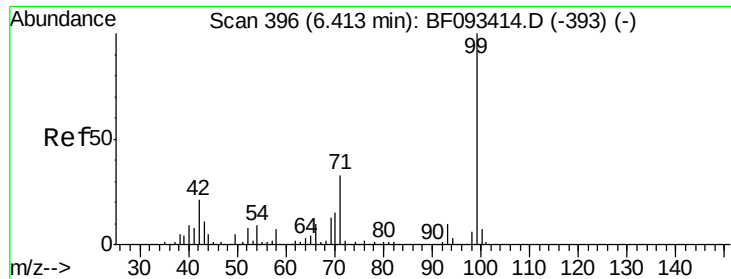


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 26.13 ng

RT: 6.39 min Scan# 394

Delta R.T. 0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

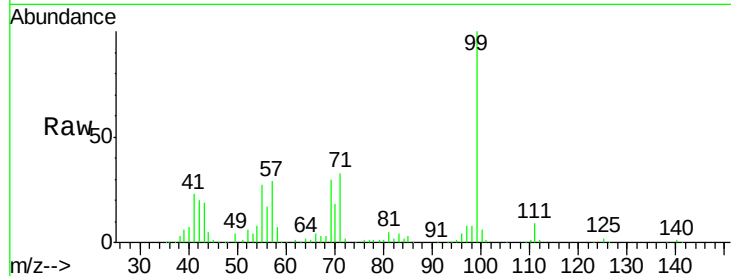
Tgt Ion: 99 Resp: 306107

Ion Ratio Lower Upper

99 100

42 20.0 15.6 23.4

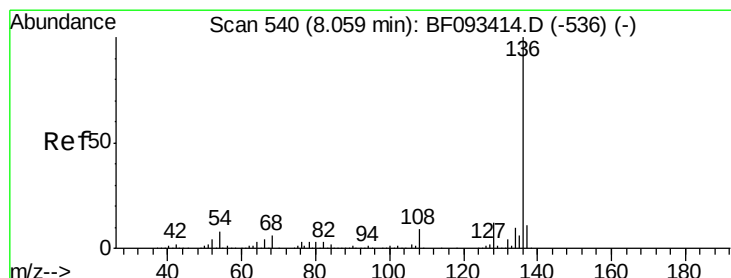
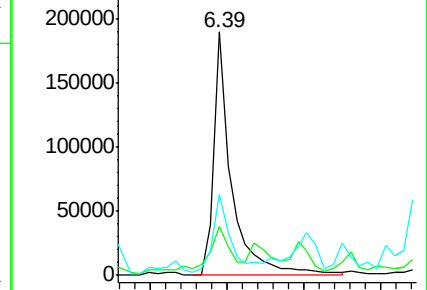
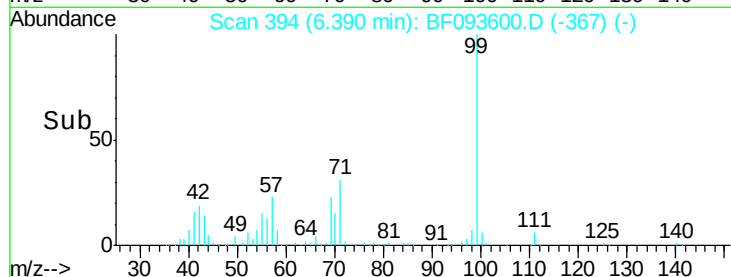
71 33.2 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Tgt Ion: 136 Resp: 456696

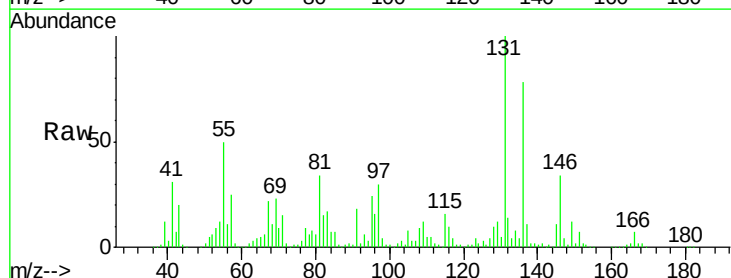
Ion Ratio Lower Upper

136 100

137 13.5 8.4 12.6#

54 15.9 4.5 6.7#

68 14.3 3.6 5.4#

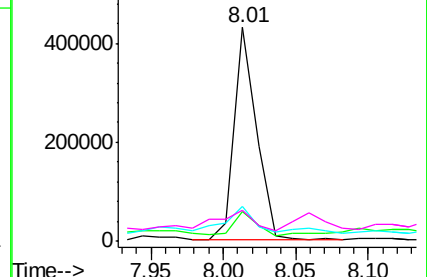
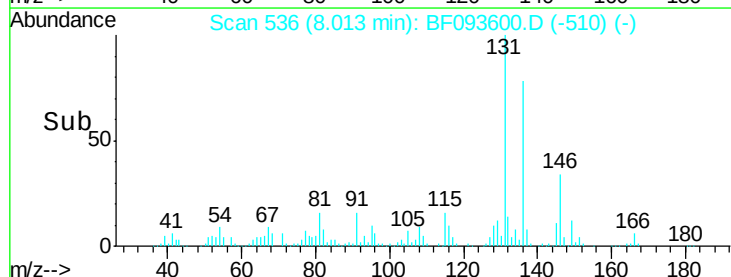


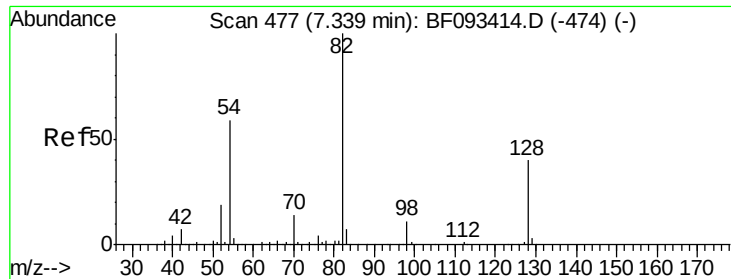
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

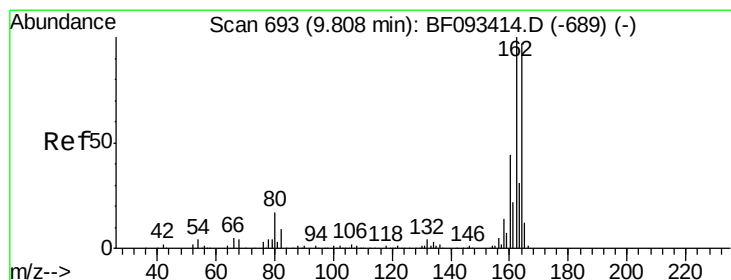
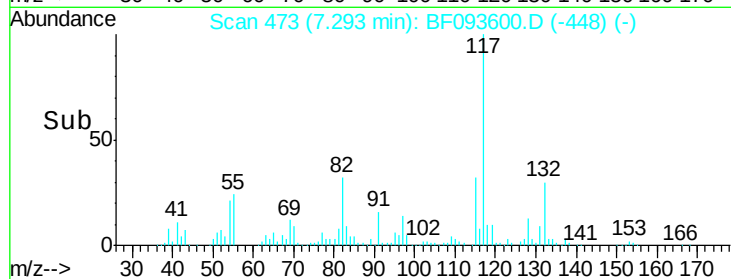
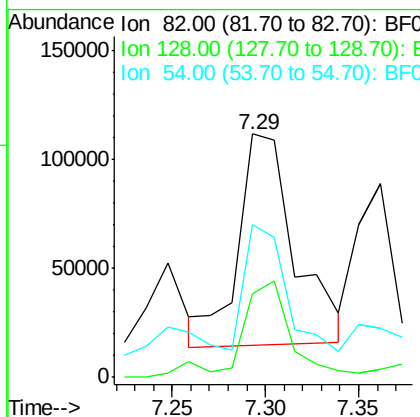
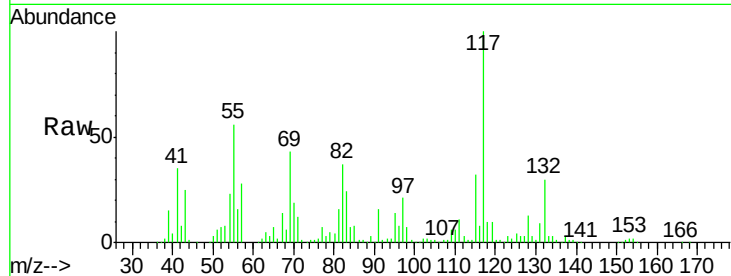




#23
 Nitrobenzene-d5
 Concen: 25.16 ng
 RT: 7.29 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: BF093600.D
 Acq: 12 Mar 2017 9:27

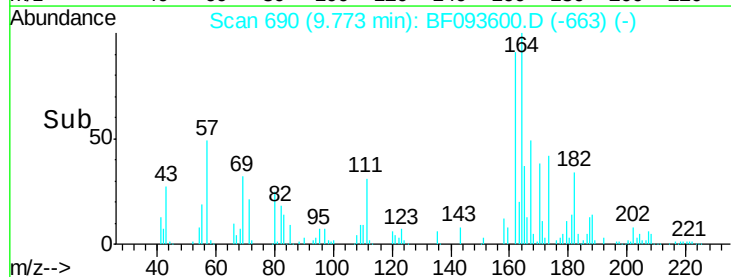
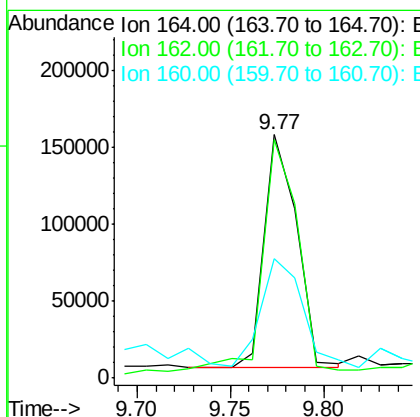
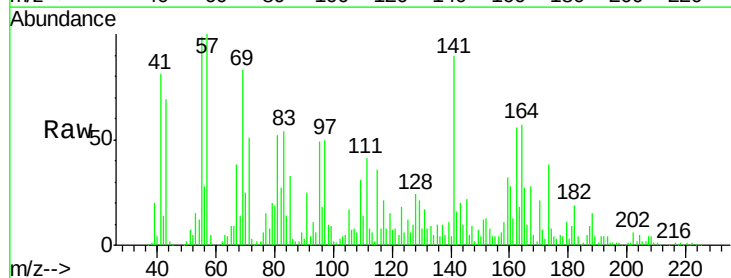
Instrument :
 BNA_F
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 HY-SB422BDL

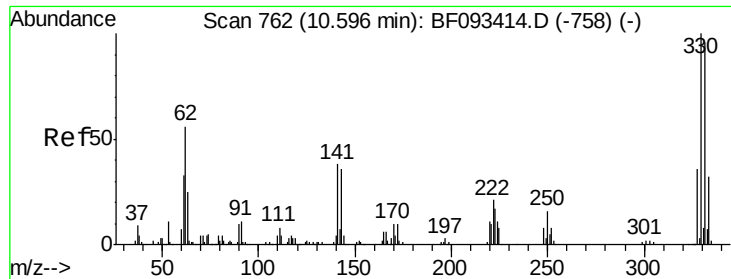
Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.1	34.6	52.0#
54	62.5	39.5	59.3#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: BF093600.D
 Acq: 12 Mar 2017 9:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.7	80.2	120.2
160	49.0	36.9	55.3

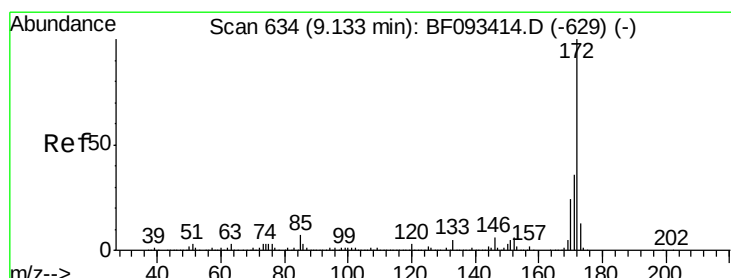
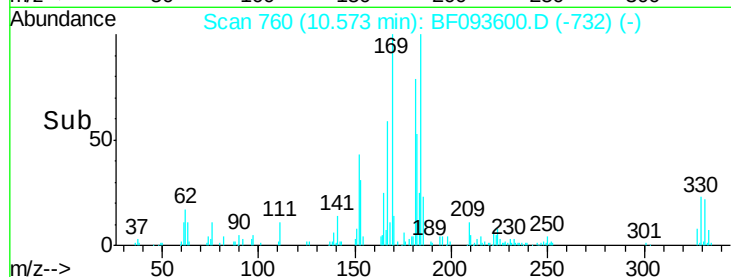
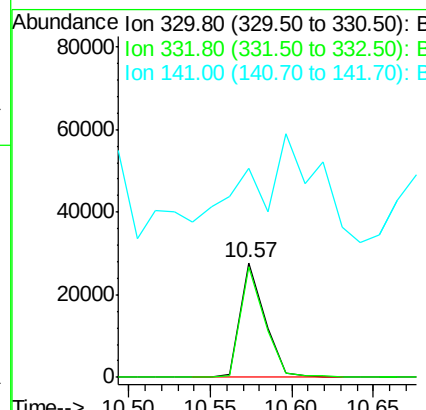
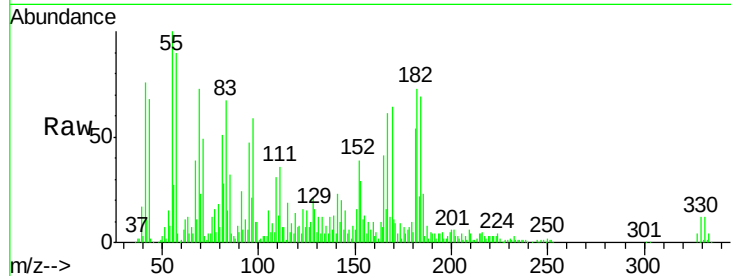




#41
 2,4,6-Tribromophenol
 Concen: 23.80 ng
 RT: 10.57 min Scan# 760
 Delta R.T. 0.02 min
 Lab File: BF093600.D
 Acq: 12 Mar 2017 9:27

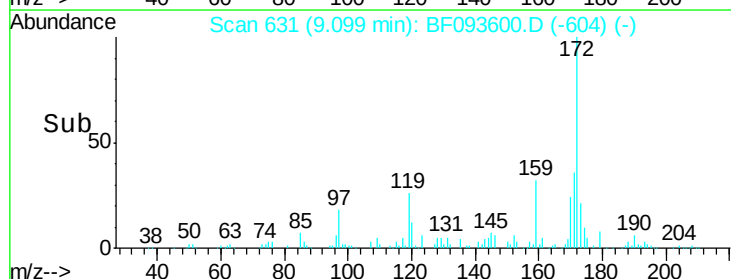
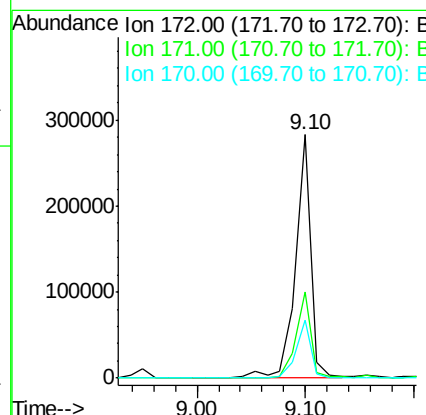
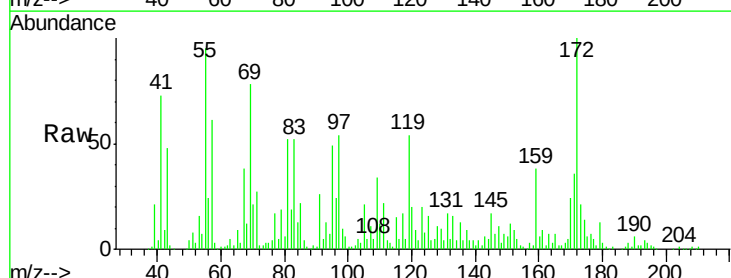
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB422BDL

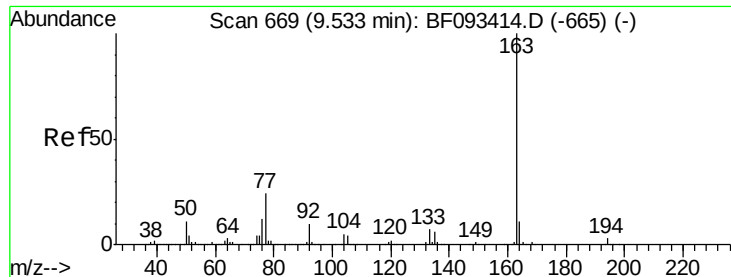
Tgt Ion: 330 Resp: 28908
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.4 116.2
 141 0.0 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 28.19 ng
 RT: 9.10 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: BF093600.D
 Acq: 12 Mar 2017 9:27

Tgt Ion: 172 Resp: 282460
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.0
 170 23.7 20.2 30.4





#49

Dimethylphthalate

Concen: 12.74 ng

RT: 9.50 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

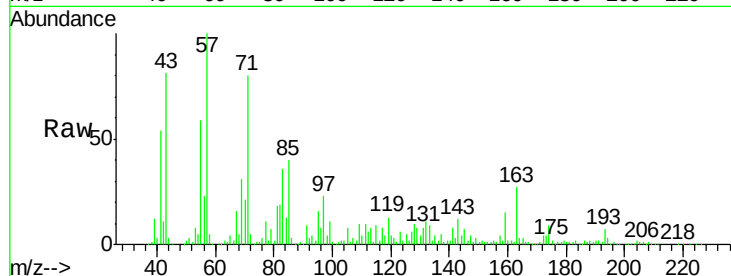
Tgt Ion:163 Resp: 157444

Ion Ratio Lower Upper

163 100

194 11.0 3.0 4.4#

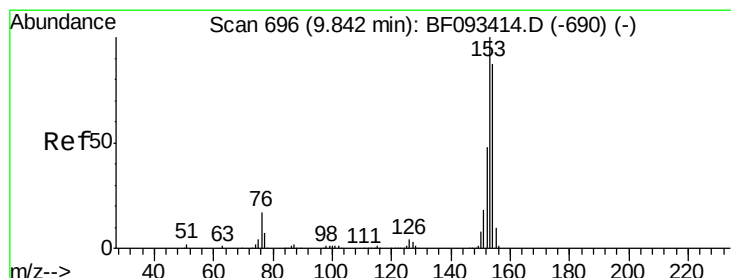
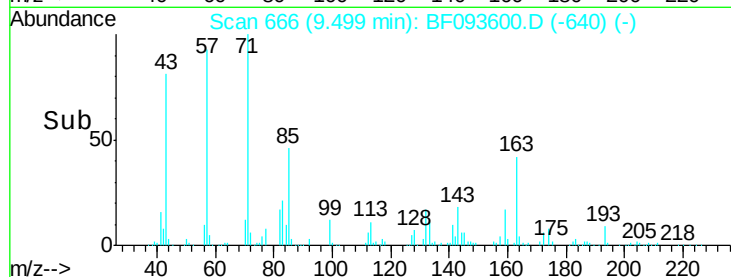
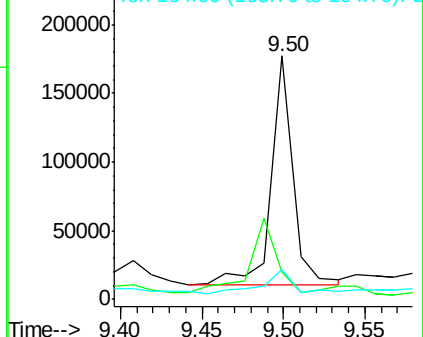
164 12.3 8.0 12.0#



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: 17.55 ng

RT: 9.81 min Scan# 693

Delta R.T. 0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

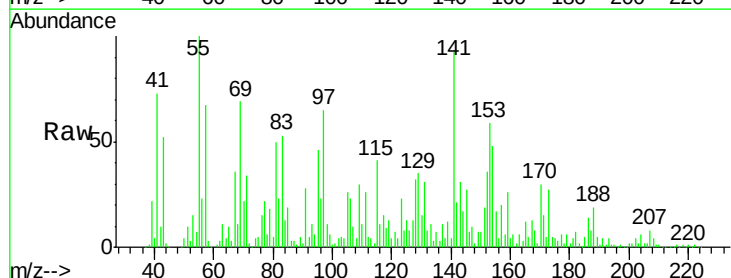
Tgt Ion:154 Resp: 177898

Ion Ratio Lower Upper

154 100

153 122.8 88.6 133.0

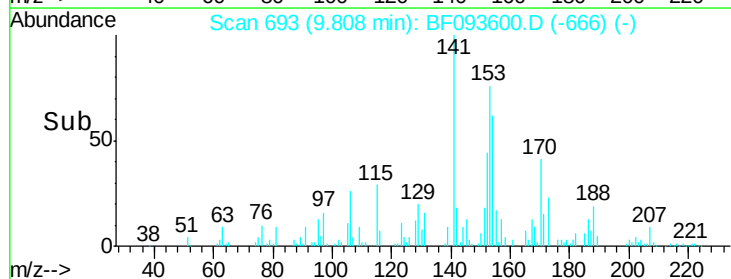
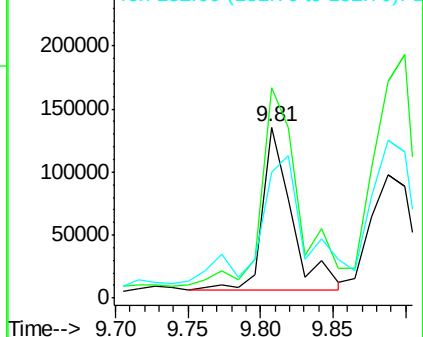
152 74.0 41.6 62.4#

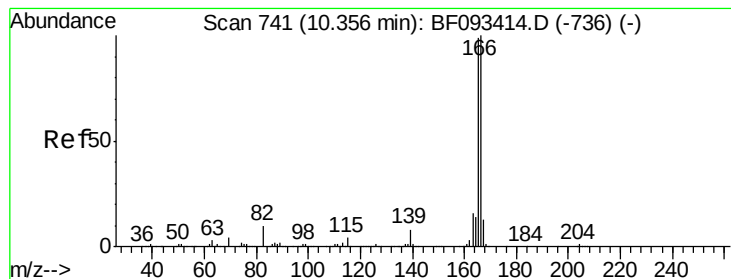


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 31.94 ng

RT: 10.33 min Scan# 739

Delta R.T. 0.02 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

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ClientSampleId :

HY-SB422BDL

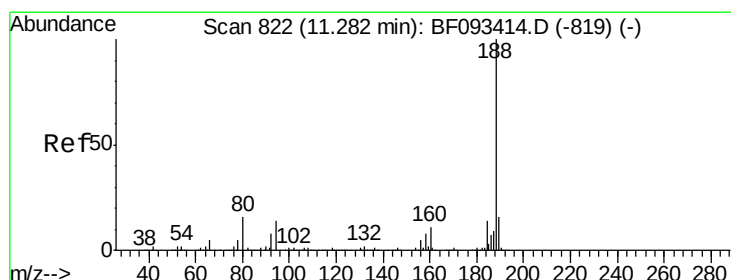
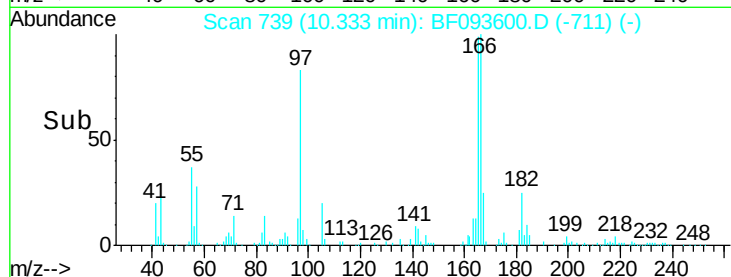
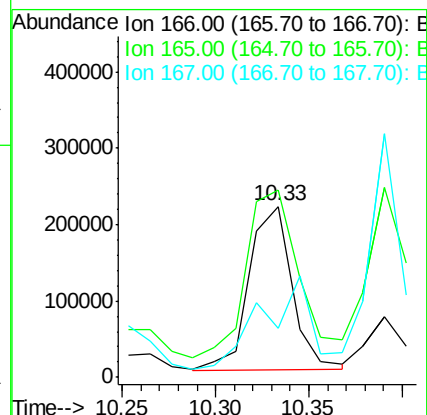
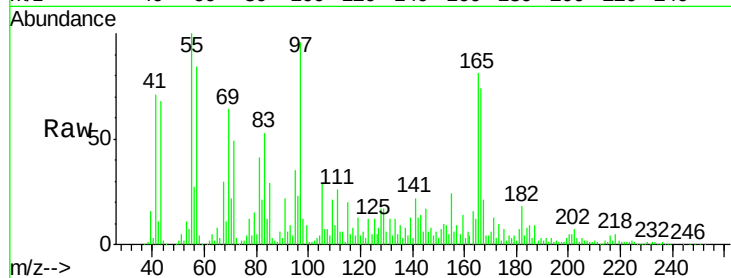
Tgt Ion:166 Resp: 343350

Ion Ratio Lower Upper

166 100

165 109.4 77.8 116.8

167 28.6 10.8 16.2#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

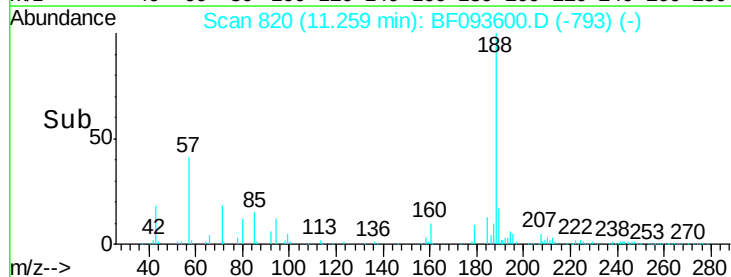
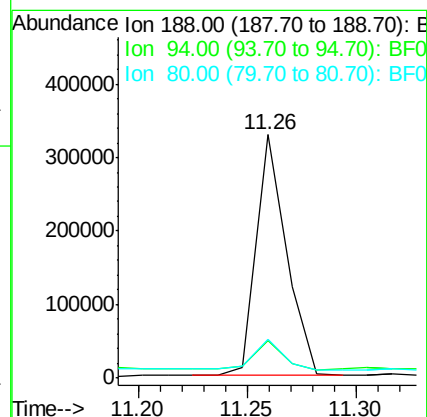
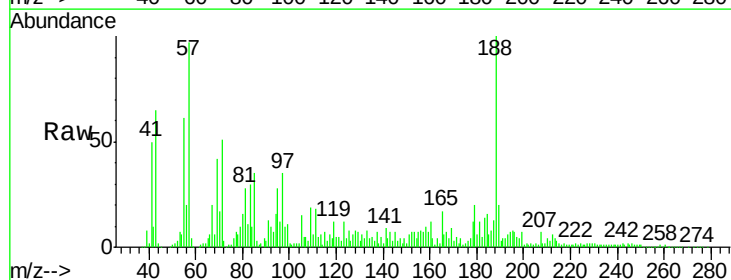
Tgt Ion:188 Resp: 317168

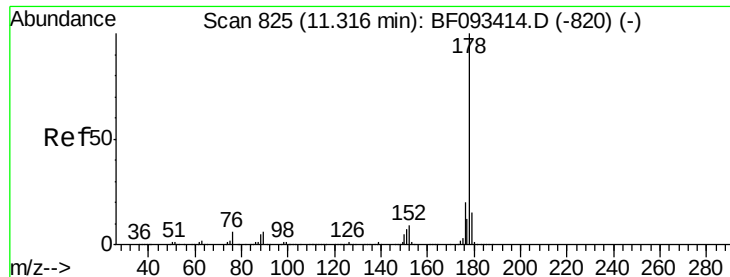
Ion Ratio Lower Upper

188 100

94 15.5 10.0 15.0#

80 15.8 11.2 16.8





#70

Phenanthrene

Concen: 53.12 ng

RT: 11.28 min Scan# 822

Delta R.T. 0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

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HY-SB422BDL

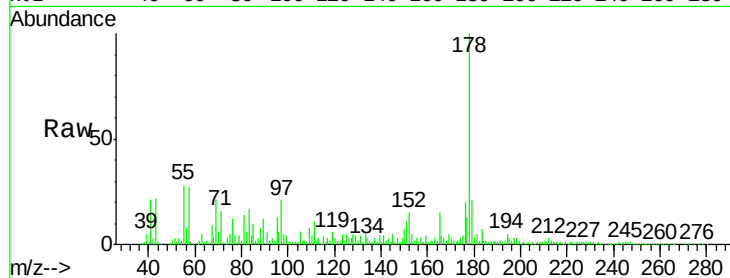
Tgt Ion:178 Resp: 961727

Ion Ratio Lower Upper

178 100

176 20.3 16.6 25.0

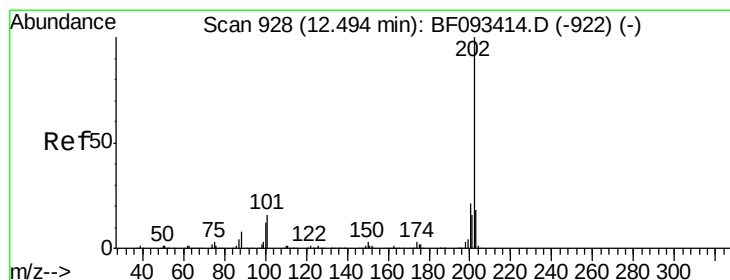
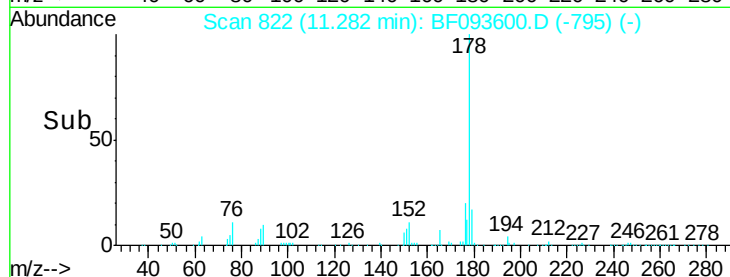
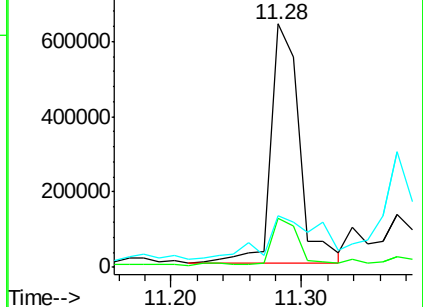
179 21.1 12.8 19.2#



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



#74

Fluoranthene

Concen: 4.76 ng

RT: 12.47 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

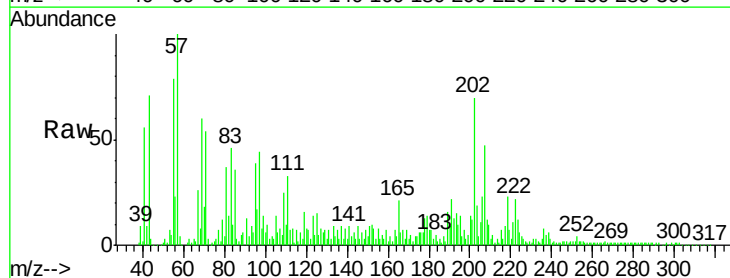
Tgt Ion:202 Resp: 83254

Ion Ratio Lower Upper

202 100

101 14.7 0.0 34.6

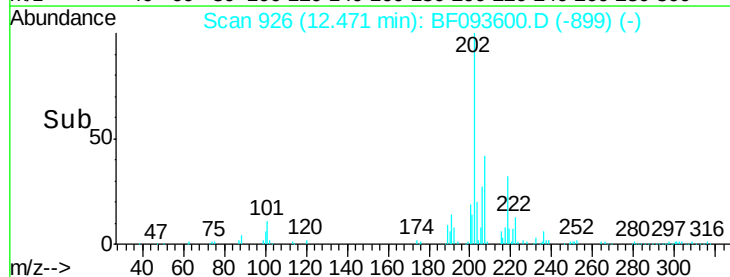
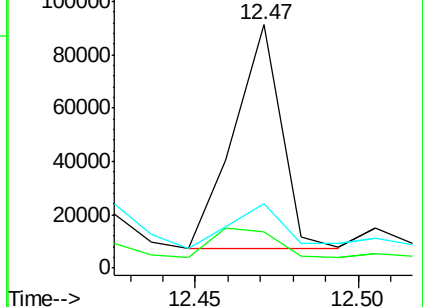
203 26.5 0.0 38.7

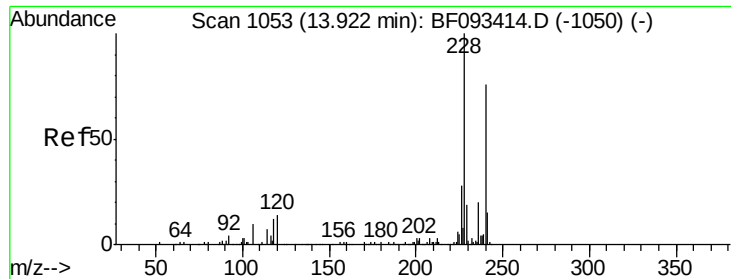


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

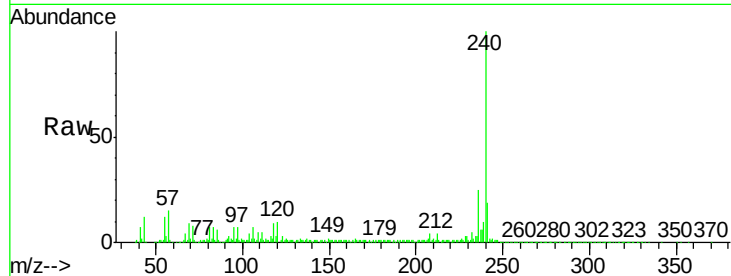
Tgt Ion:240 Resp: 354105

Ion Ratio Lower Upper

240 100

120 9.9 12.9 19.3#

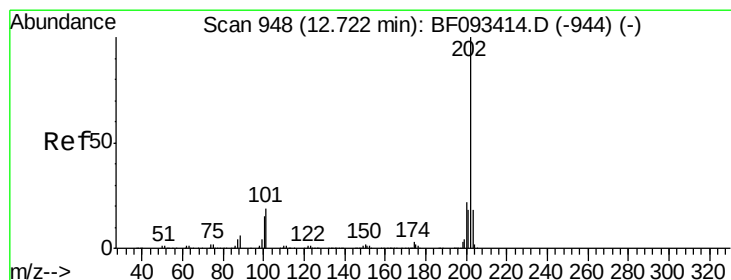
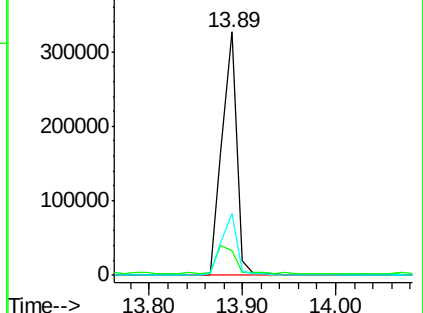
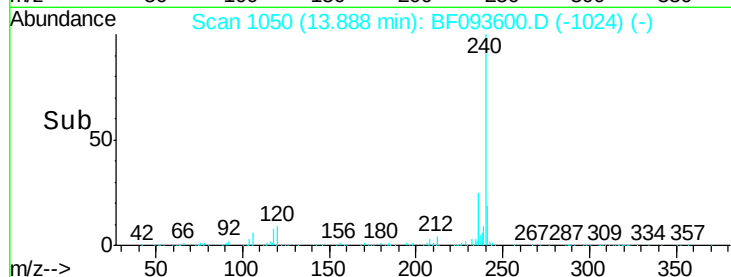
236 25.3 20.9 31.3



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: 10.15 ng

RT: 12.70 min Scan# 946

Delta R.T. 0.02 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

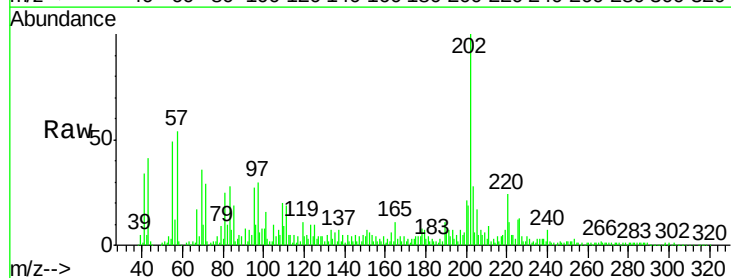
Tgt Ion:202 Resp: 261398

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

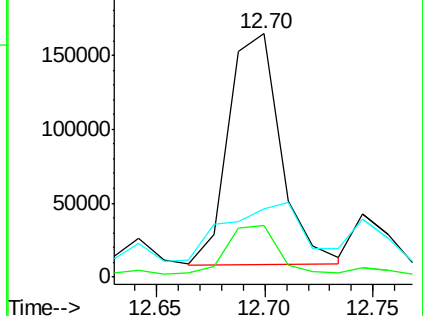
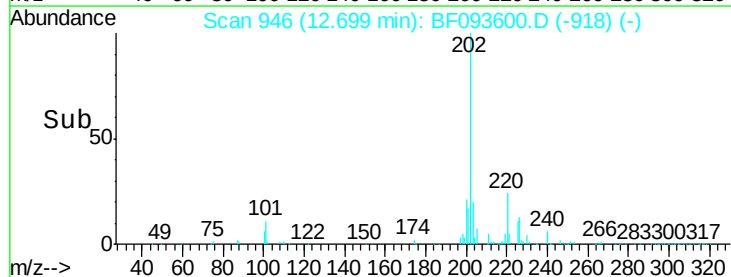
203 27.8 14.7 22.1#

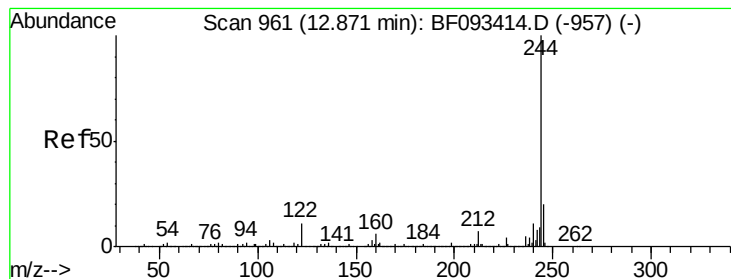


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.90 ng

RT: 12.83 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

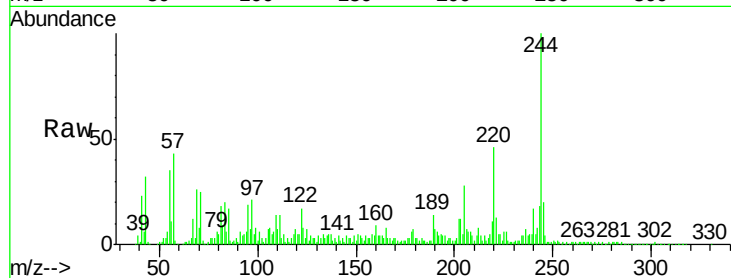
Tgt Ion:244 Resp: 202956

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

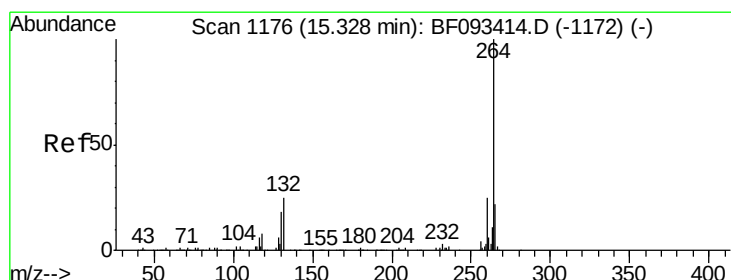
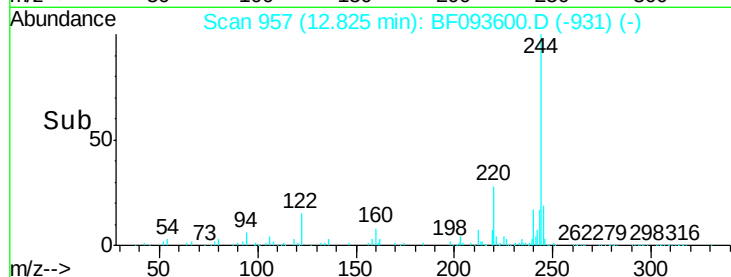
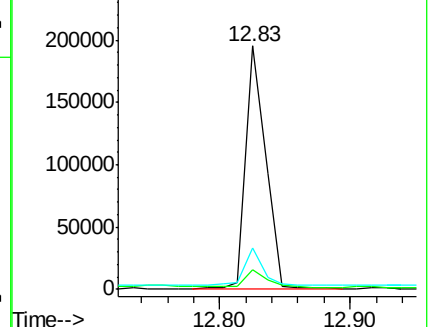
122 17.0 11.4 17.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.28 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

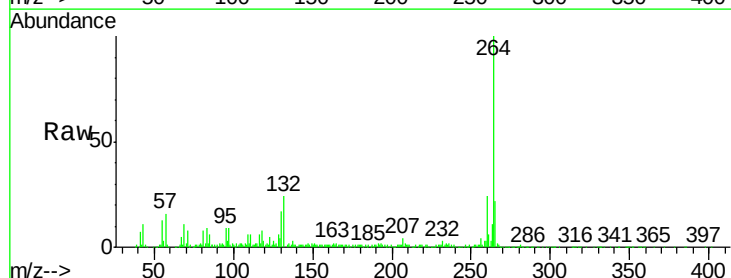
Tgt Ion:264 Resp: 260615

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.7 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

