

Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
 Data File : BF093591.D
 Acq On : 12 Mar 2017 5:21
 Operator : SJ/MA
 Sample : I2010-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB412B

Quant Time: Mar 13 18:05:37 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

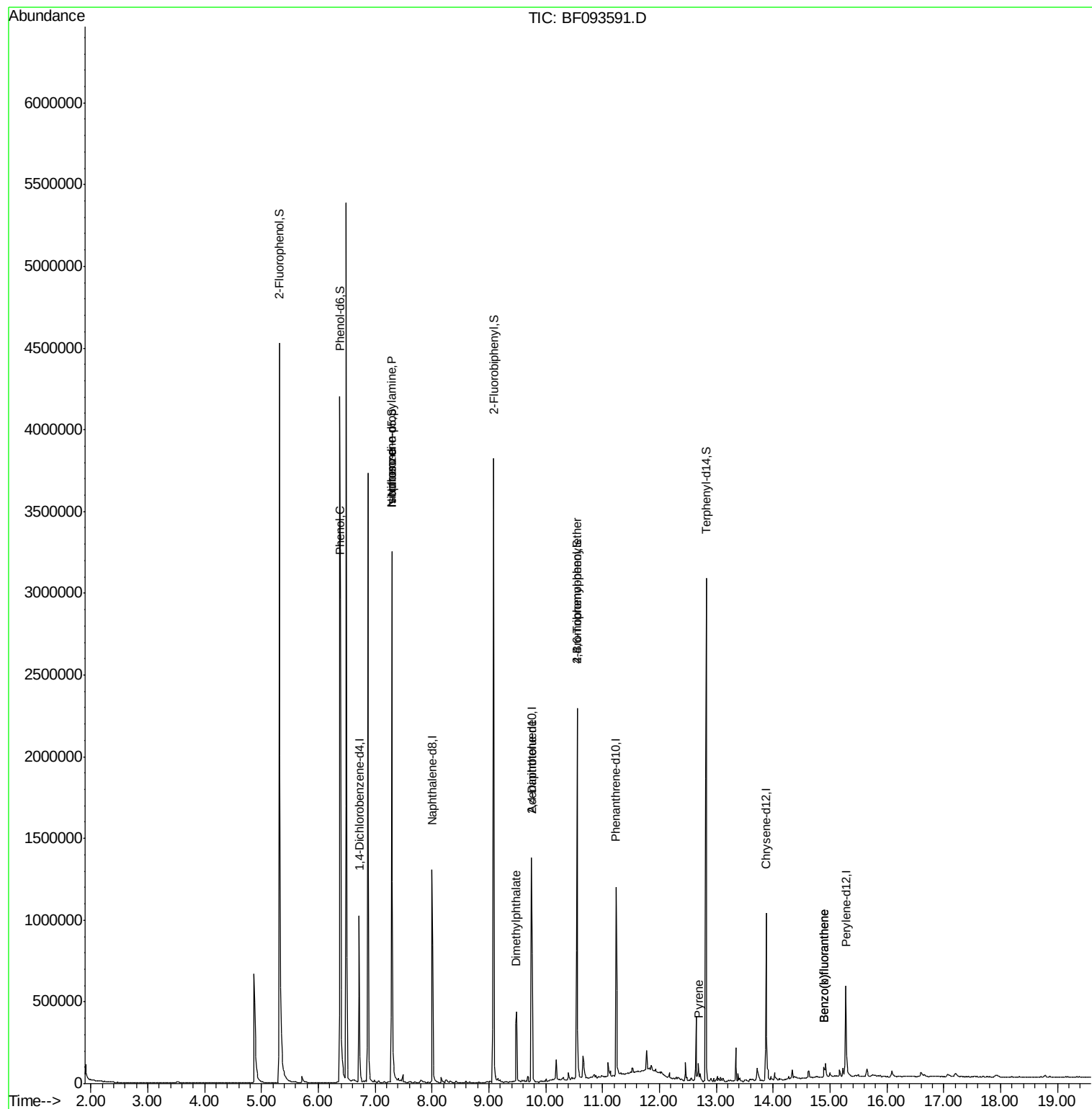
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	189395	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	754777	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	326315	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	474476	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	346265	20.00	ng	-0.01
86) Perylene-d12	15.28	264	301500	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1572529	138.19	ng	0.00
7) Phenol-d6	6.38	99	2010805	140.12	ng	0.00
23) Nitrobenzene-d5	7.29	82	1216330	89.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	271931	127.91	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1821593	103.83	ng	0.00
78) Terphenyl-d14	12.83	244	1156861	86.86	ng	0.00
Target Compounds						
9) Benzaldehyde	6.33	77	3530	Below Cal		Qvalue 91
10) Phenol	6.39	94	141060	8.02 ng	#	76
19) n-Nitroso-di-n-propylamine	7.29	70	166626	16.89 ng	#	84
25) Isophorone	7.29	82	1216451	44.34 ng	#	65
49) Dimethylphthalate	9.49	163	253694	11.73 ng		99
56) 2,4-Dinitrotoluene	9.75	165	41501	7.12 ng	#	21
66) 4-Bromophenyl-phenylether	10.55	248	20729	4.13 ng	#	1
77) Pyrene	12.69	202	54446	2.16 ng		96
87) Benzo(b)fluoranthene	14.89	252	46453	2.53 ng	#	95
88) Benzo(k)fluoranthene	14.89	252	46453	2.62 ng	#	95

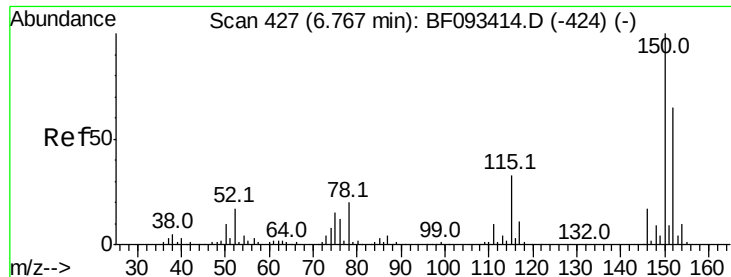
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093591.D

Acq: 12 Mar 2017 5:21

Instrument :

BNA_F

ClientSampleId :

HY-SB412B

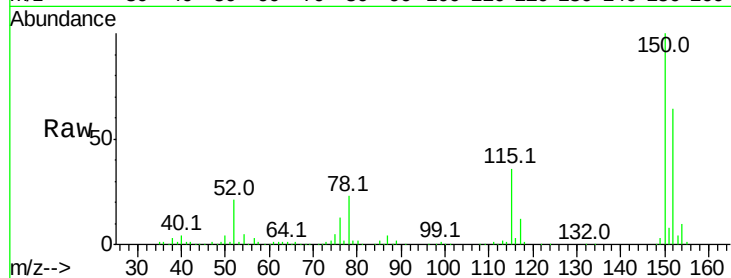
Tot Ion:152 Resp: 189395

Ion Ratio Lower Upper

152 100

150 156.9 124.9 187.3

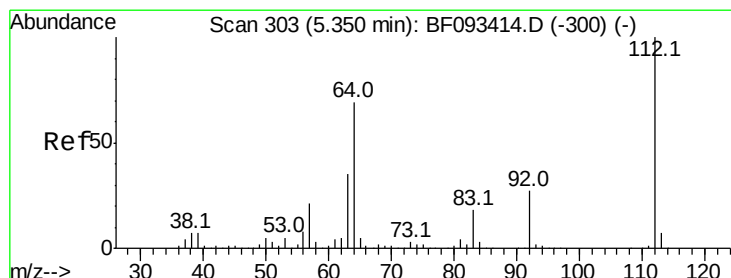
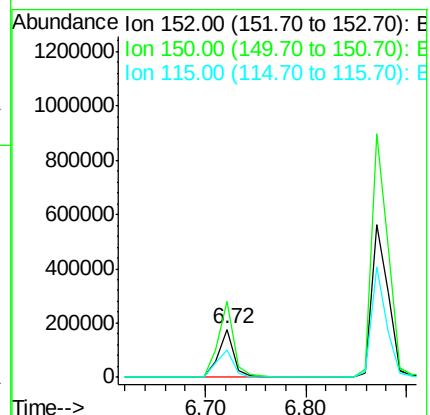
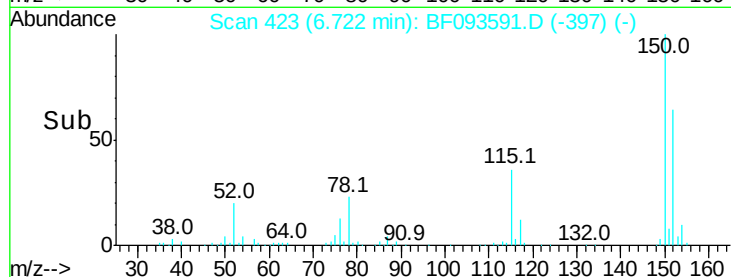
115 55.8 46.0 69.0



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: 138.19 ng

RT: 5.32 min Scan# 300

Delta R.T. 0.00 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

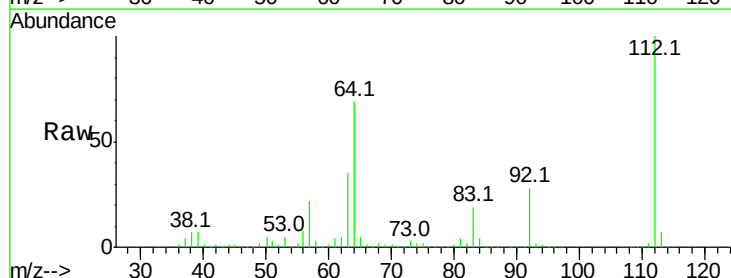
Tgt Ion:112 Resp: 1572529

Ion Ratio Lower Upper

112 100

64 69.2 46.1 69.1#

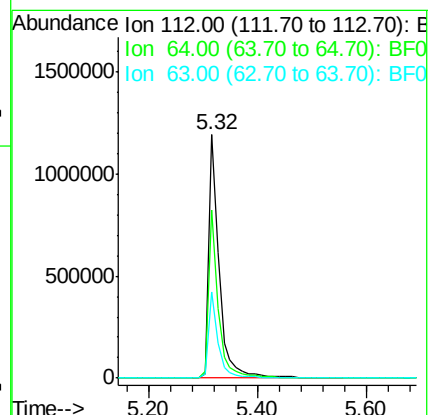
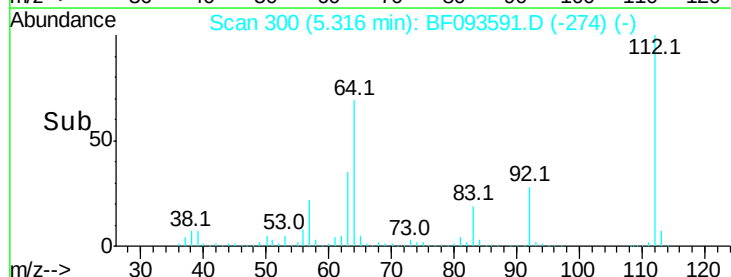
63 35.3 23.8 35.6

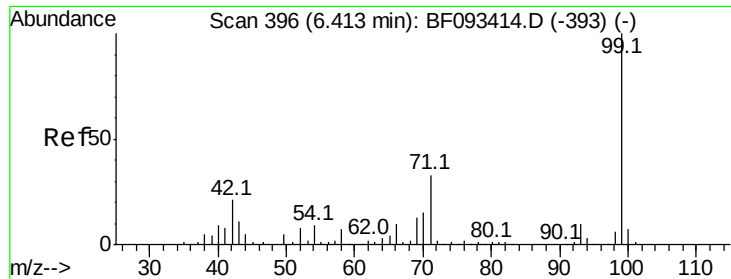


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 140.12 ng

RT: 6.38 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

Instrument :

BNA_F

ClientSampleId :

HY-SB412B

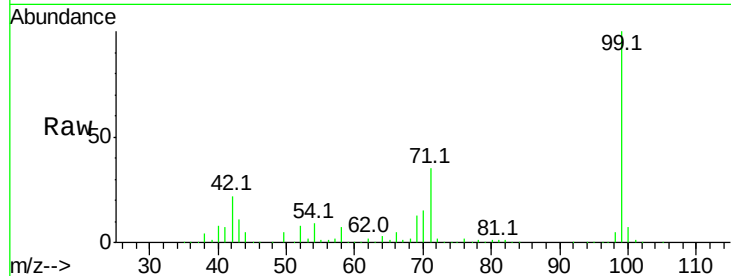
Tot Ion: 99 Resp: 2010805

Ion Ratio Lower Upper

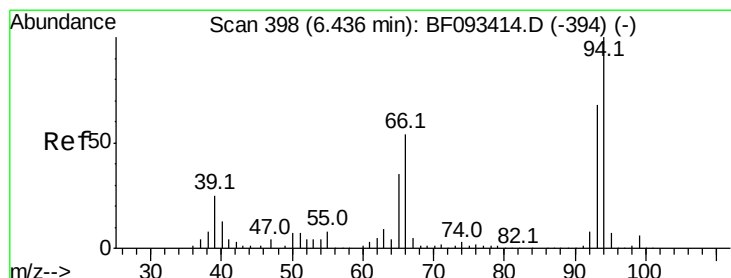
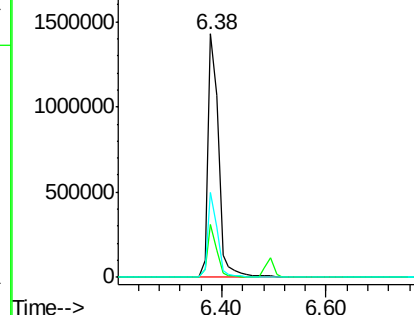
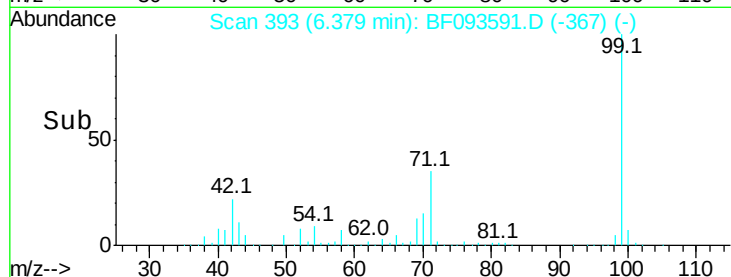
99 100

42 21.8 15.6 23.4

71 34.8 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: 8.02 ng

RT: 6.39 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

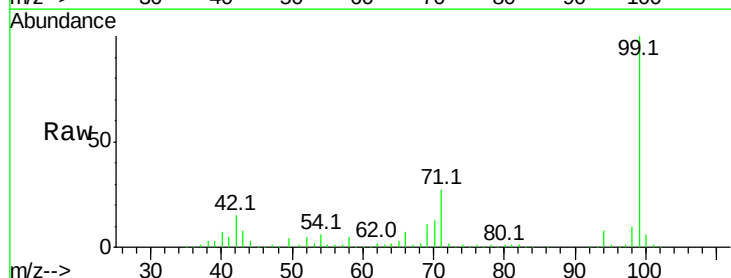
Tgt Ion: 94 Resp: 141060

Ion Ratio Lower Upper

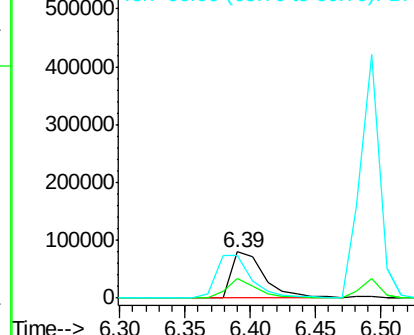
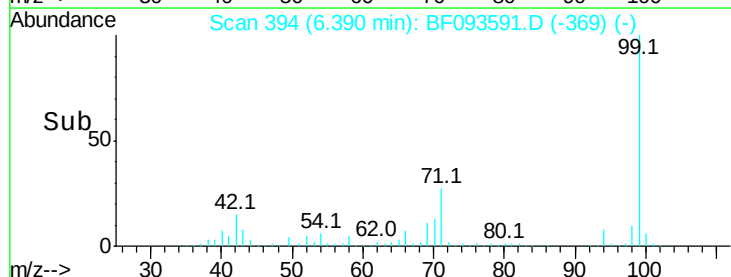
94 100

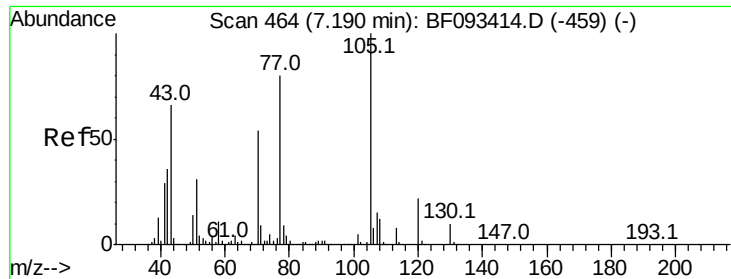
65 43.6 21.4 61.4

66 93.0 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

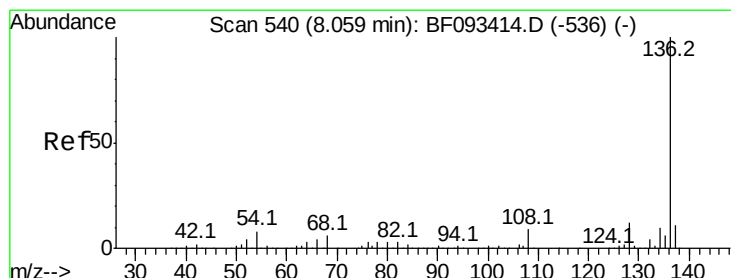
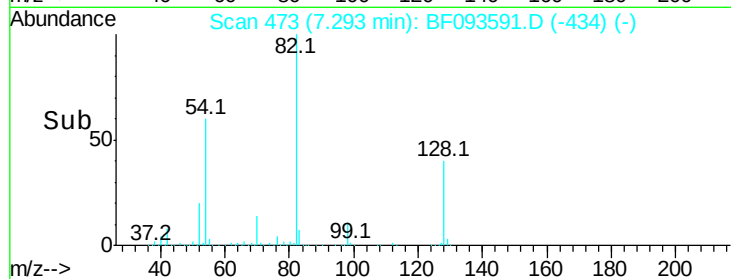
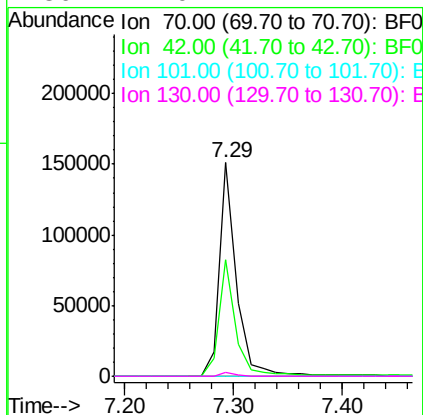
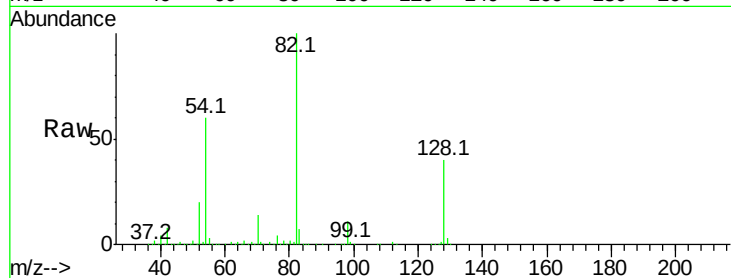




#19
n-Nitroso-di-n-propylamine
Concen: 16.89 ng
RT: 7.29 min Scan# 473
Delta R.T. 0.15 min
Lab File: BF093591.D
Acq: 12 Mar 2017 5:21

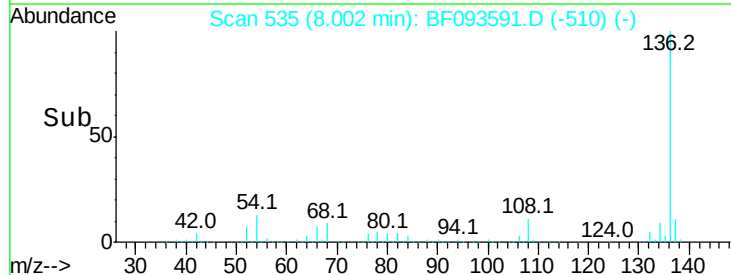
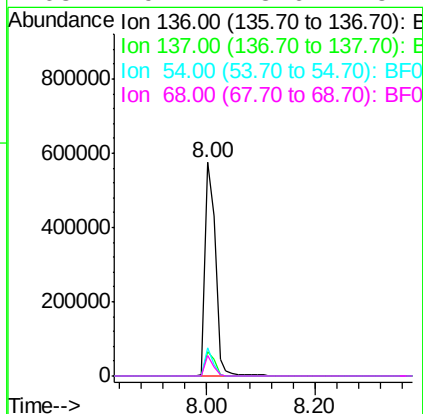
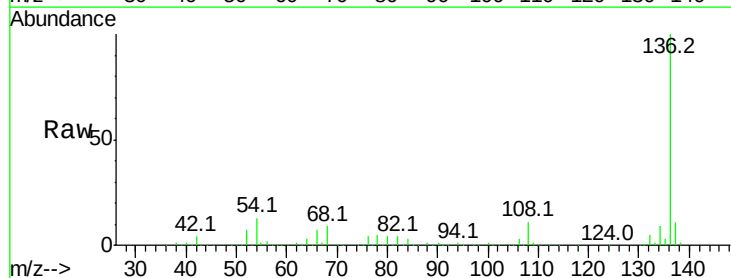
Instrument :
BNA_F
ClientSampleId :
HY-SB412B

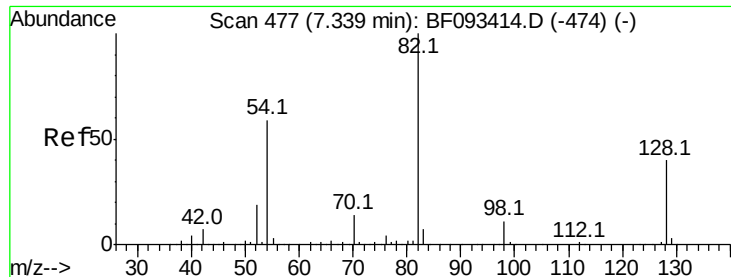
Tot Ion: 70 Resp: 166626
Ion Ratio Lower Upper
70 100
42 54.7 49.4 74.0
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093591.D
Acq: 12 Mar 2017 5:21

Tgt Ion:136 Resp: 754777
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 13.4 4.5 6.7#
68 9.4 3.6 5.4#



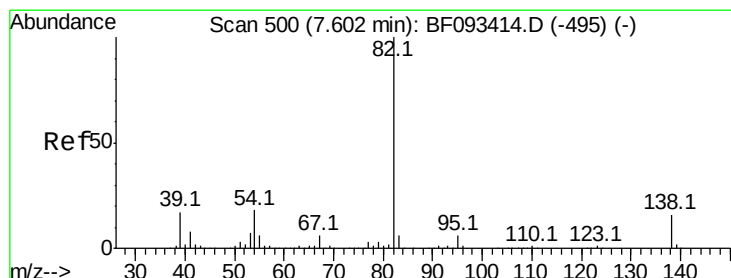
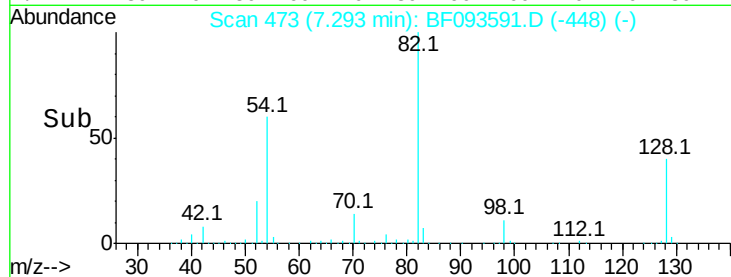
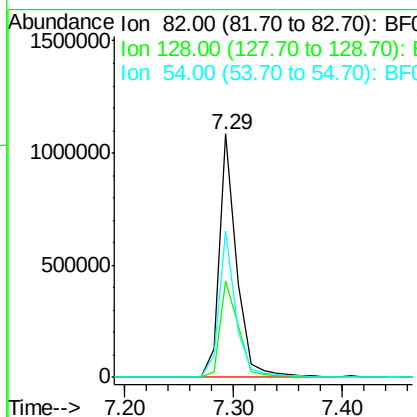
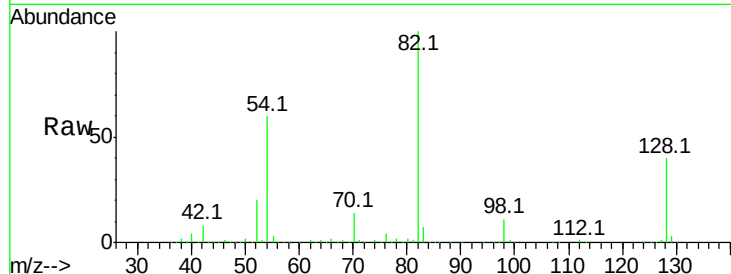


#23
 Nitrobenzene-d5
 Concen: 89.41 ng
 RT: 7.29 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: BF093591.D
 Acq: 12 Mar 2017 5:21

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB412B

Tot Ion: 82 Resp: 1216330

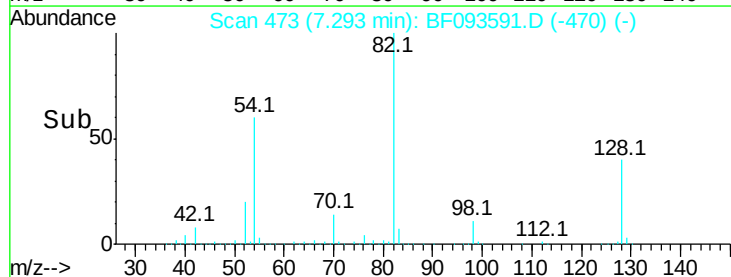
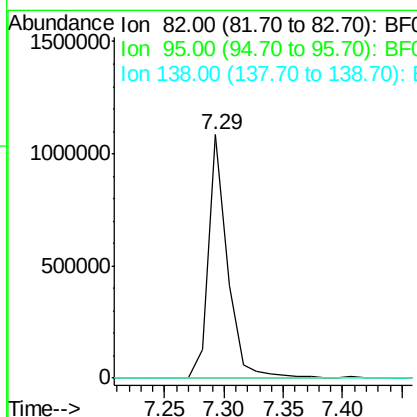
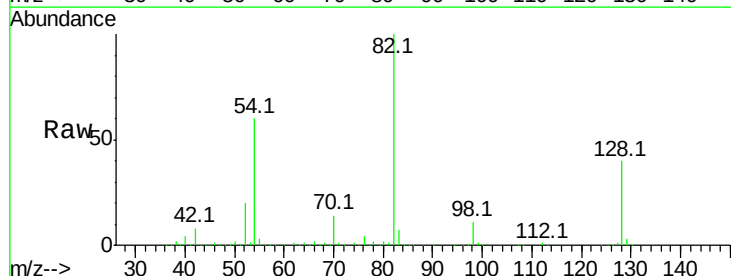
Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.6	52.0
54	60.3	39.5	59.3#

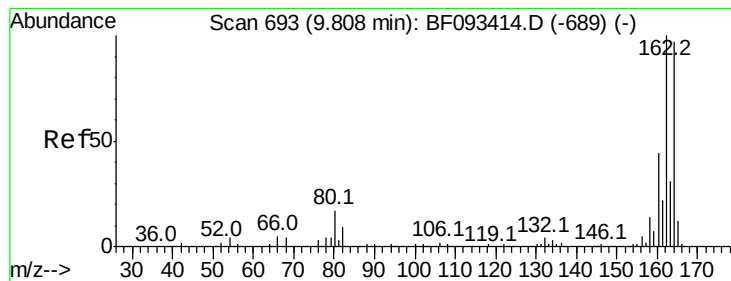


#25
 Isophorone
 Concen: 44.34 ng
 RT: 7.29 min Scan# 473
 Delta R.T. -0.26 min
 Lab File: BF093591.D
 Acq: 12 Mar 2017 5:21

Tgt Ion: 82 Resp: 1216451

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

Instrument :

BNA_F

ClientSampleId :

HY-SB412B

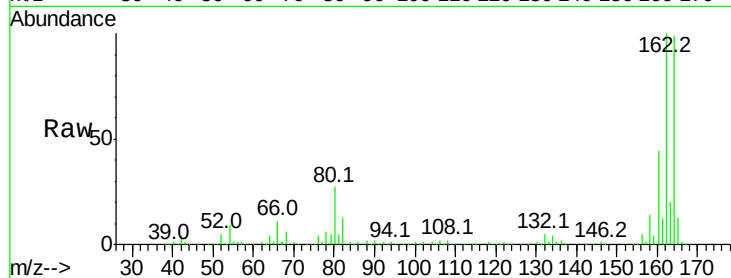
Tot Ion:164 Resp: 326315

Ion Ratio Lower Upper

164 100

162 101.3 80.2 120.2

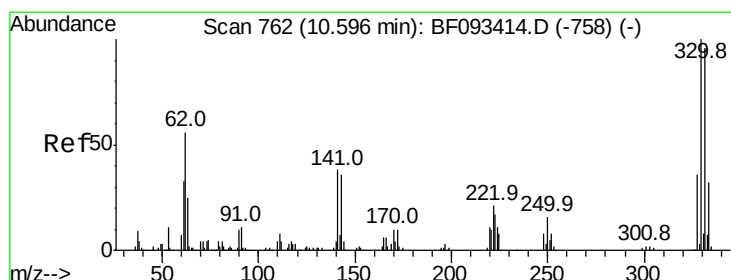
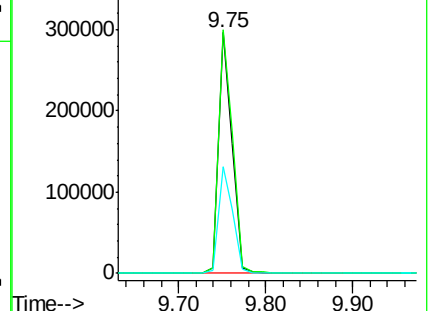
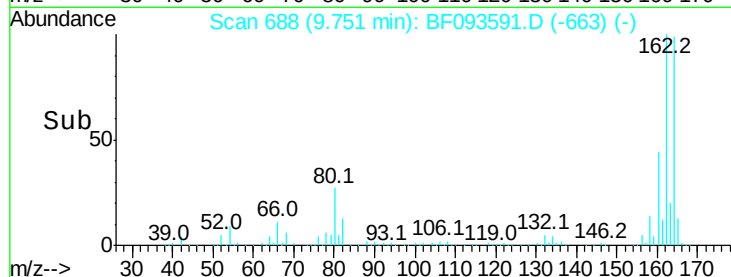
160 44.3 36.9 55.3



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: 127.91 ng

RT: 10.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

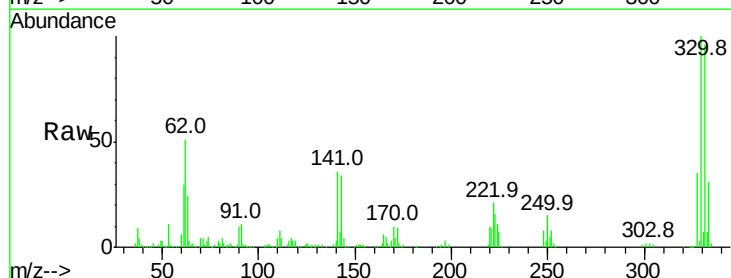
Tgt Ion:330 Resp: 271931

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.2

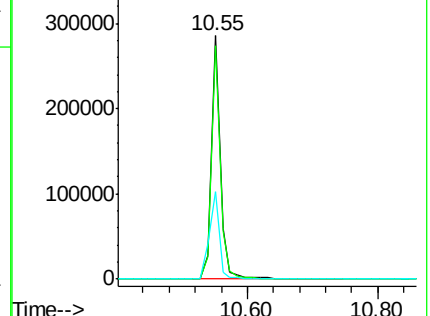
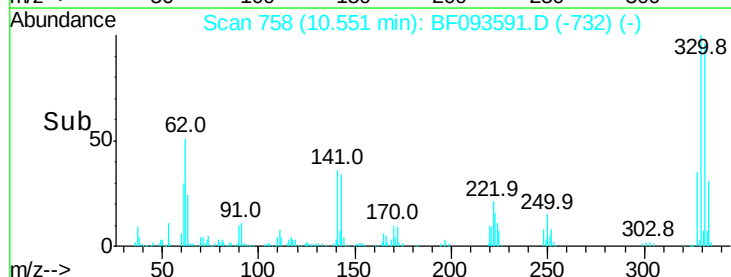
141 40.0 34.1 51.1

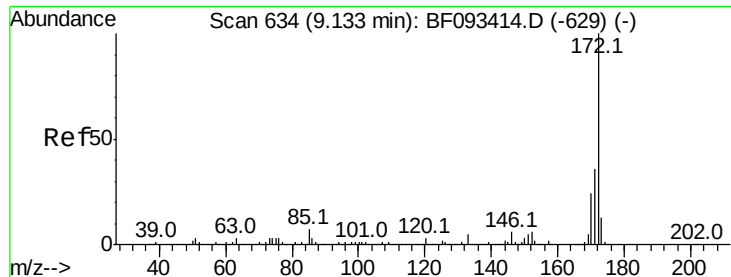


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 103.83 ng

RT: 9.09 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

Instrument :

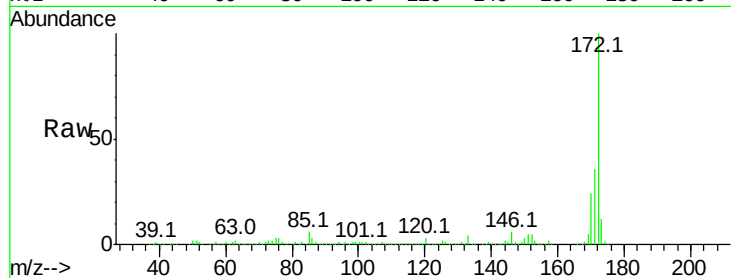
BNA_F

ClientSampleId :

HY-SB412B

Tot Ion:172 Resp: 1821593

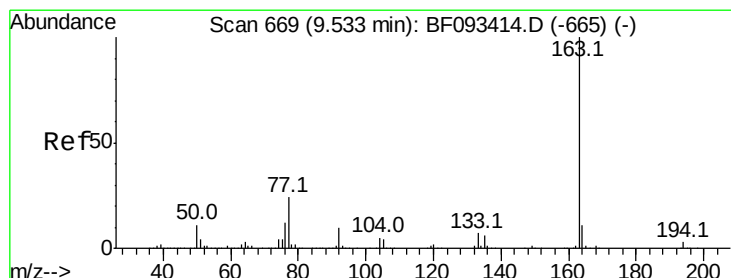
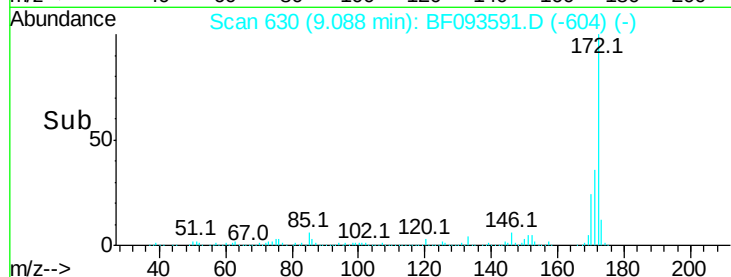
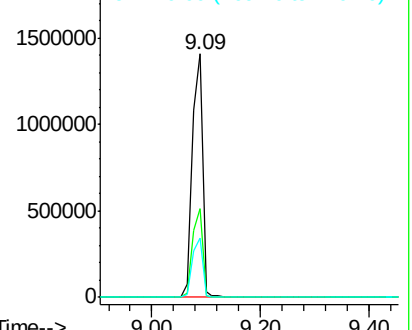
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.3	20.2	30.4



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: 11.73 ng

RT: 9.49 min Scan# 665

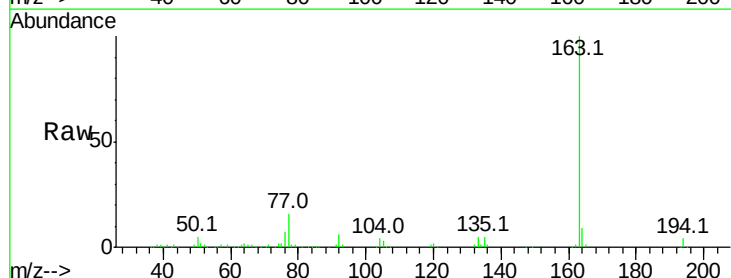
Delta R.T. -0.01 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

Tgt Ion:163 Resp: 253694

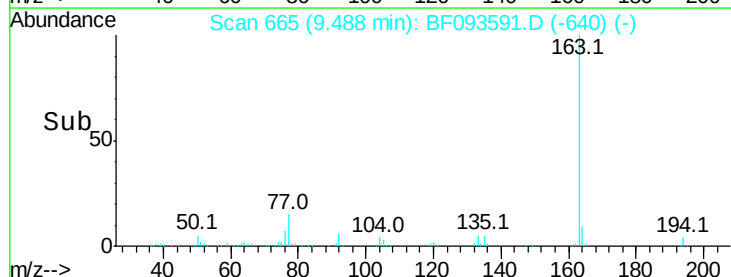
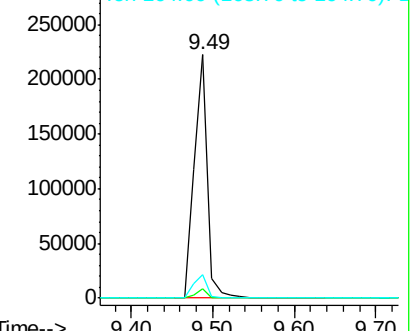
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.4
164	9.5	8.0	12.0

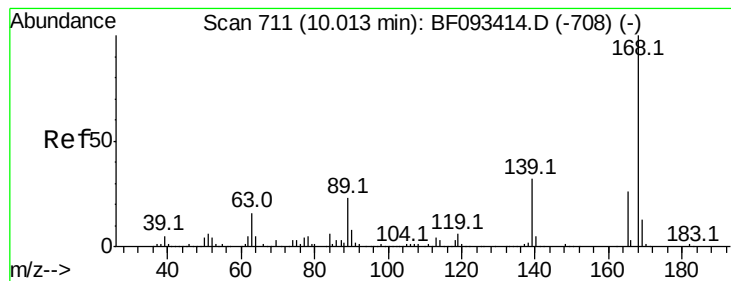


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 7.12 ng

RT: 9.75 min Scan# 688

Delta R.T. -0.23 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

Instrument :

BNA_F

ClientSampleId :

HY-SB412B

Tot Ion:165 Resp: 41501

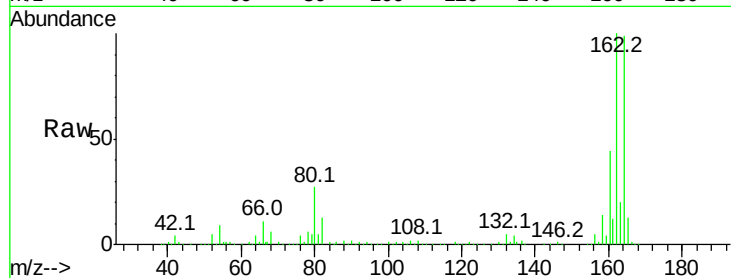
Ion Ratio Lower Upper

165 100

63 1.8 40.2 60.4#

89 1.9 62.5 93.7#

182 0.0 1.8 2.8#

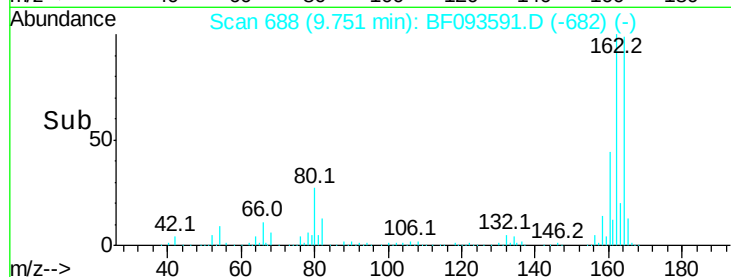


Abundance Ion 165.00 (164.70 to 165.70): E

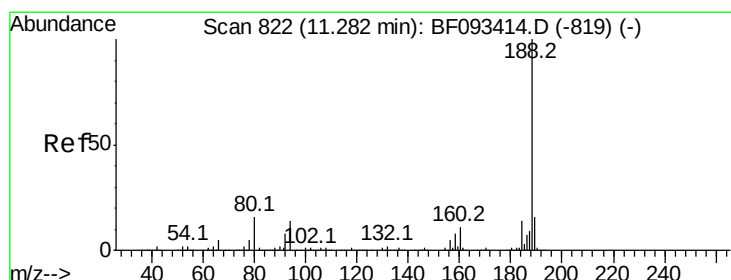
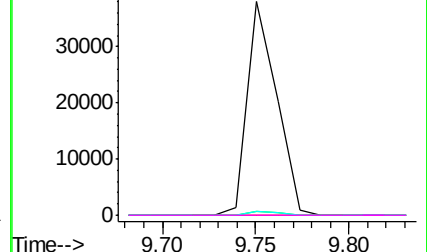
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

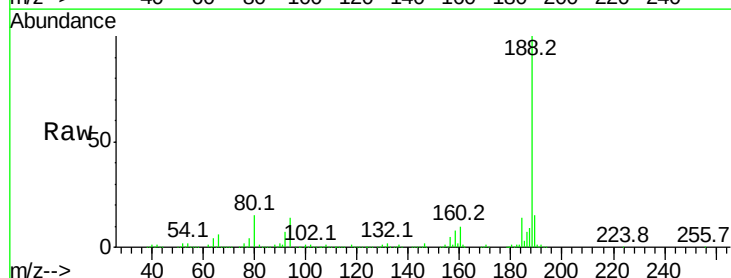
Tgt Ion:188 Resp: 474476

Ion Ratio Lower Upper

188 100

94 14.0 10.0 15.0

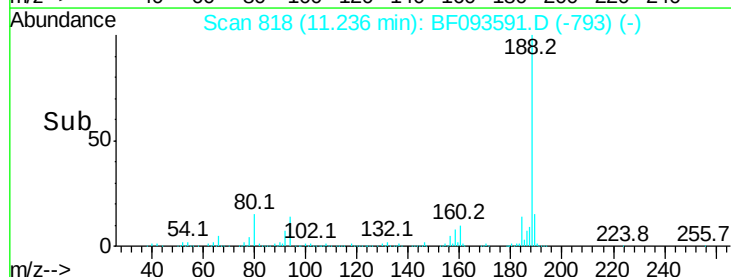
80 14.9 11.2 16.8



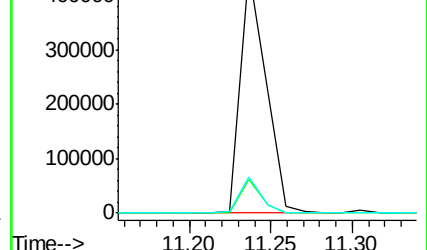
Abundance Ion 188.00 (187.70 to 188.70): E

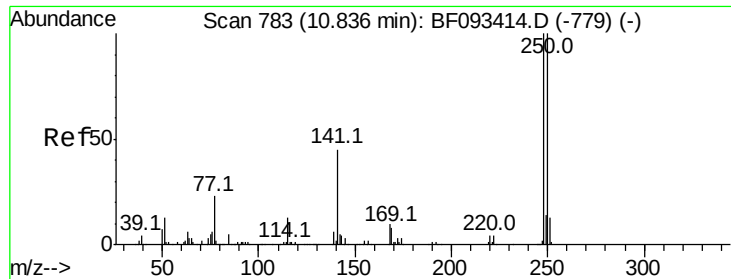
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->





#66

4-Bromophenyl-phenylether

Concen: 4.13 ng

RT: 10.55 min Scan# 758

Delta R.T. -0.24 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

Instrument :

BNA_F

ClientSampleId :

HY-SB412B

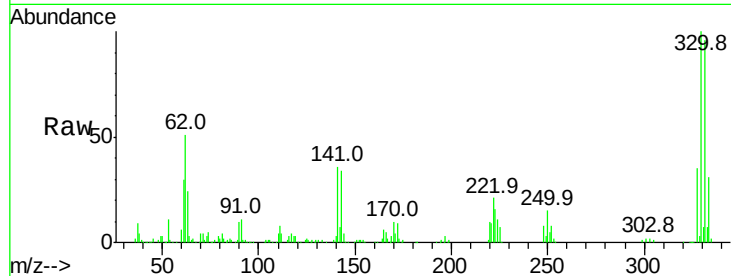
Tot Ion:248 Resp: 20729

Ion Ratio Lower Upper

248 100

250 189.6 76.9 115.3#

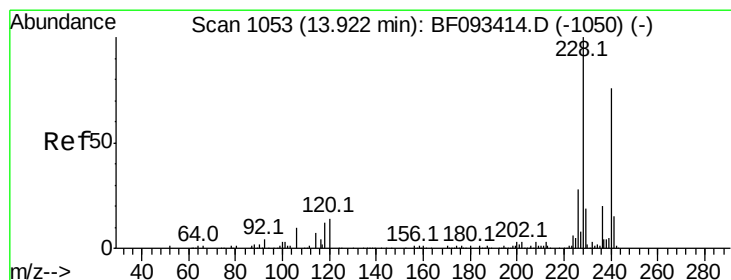
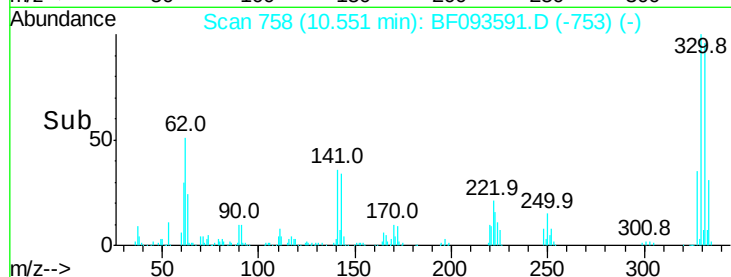
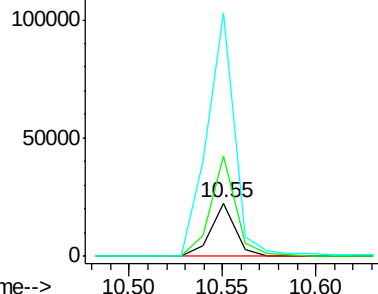
141 457.6 68.2 102.4#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

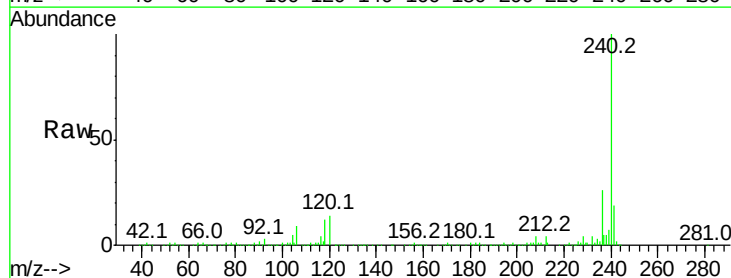
Tgt Ion:240 Resp: 346265

Ion Ratio Lower Upper

240 100

120 14.3 12.9 19.3

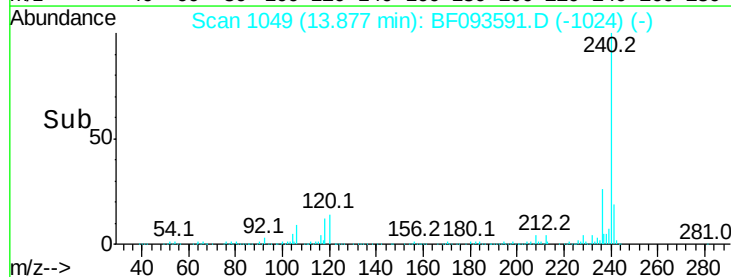
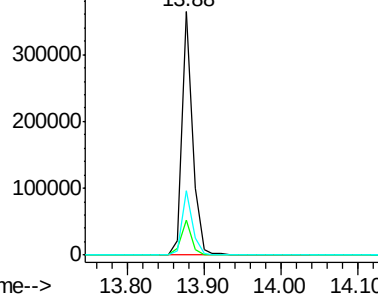
236 26.3 20.9 31.3

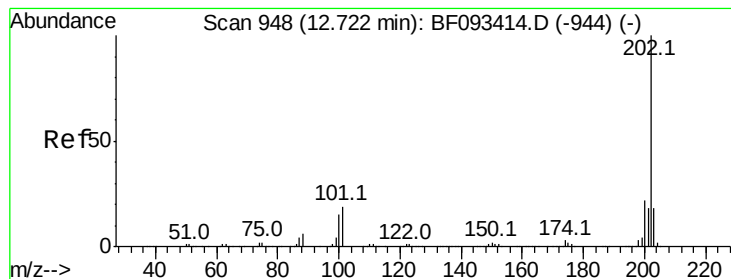


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.16 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

Instrument :

BNA_F

ClientSampleId :

HY-SB412B

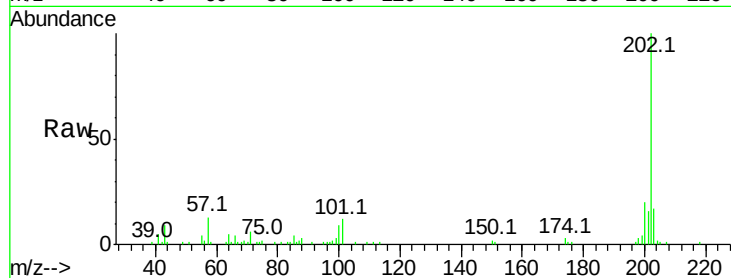
Tot Ion:202 Resp: 54446

Ion Ratio Lower Upper

202 100

200 20.2 17.7 26.5

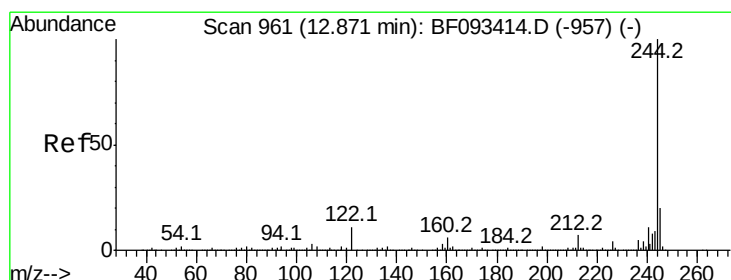
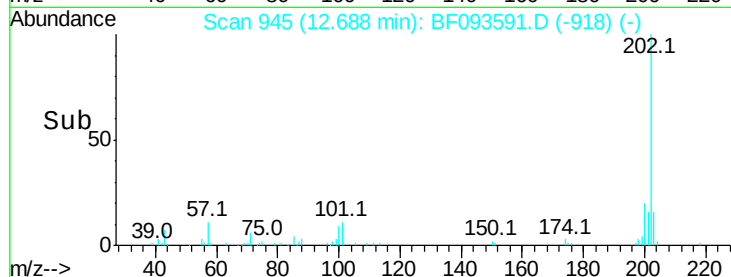
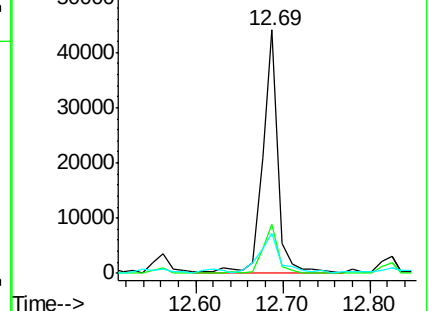
203 16.6 14.7 22.1



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: 86.86 ng

RT: 12.83 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

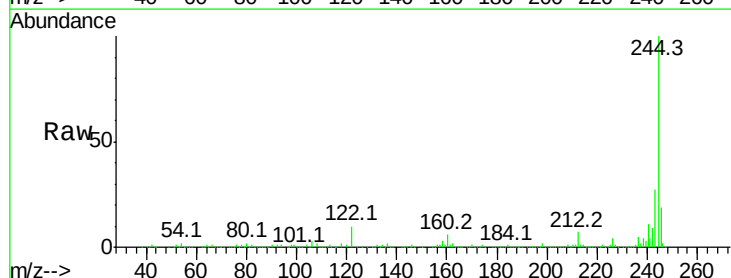
Tgt Ion:244 Resp: 1156861

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

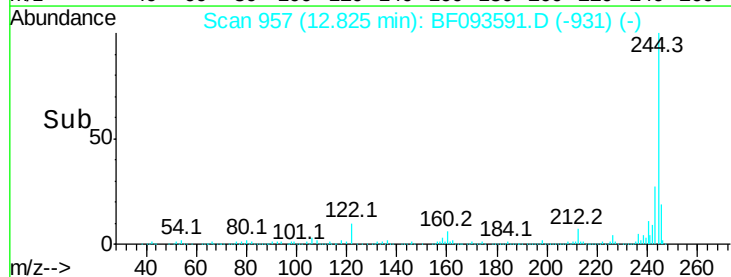
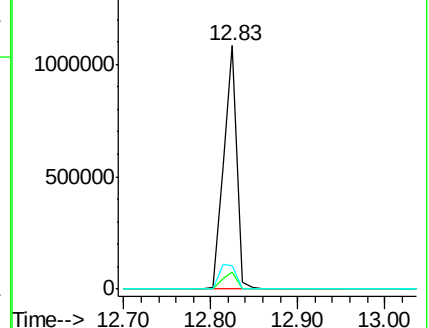
122 9.7 11.4 17.2#

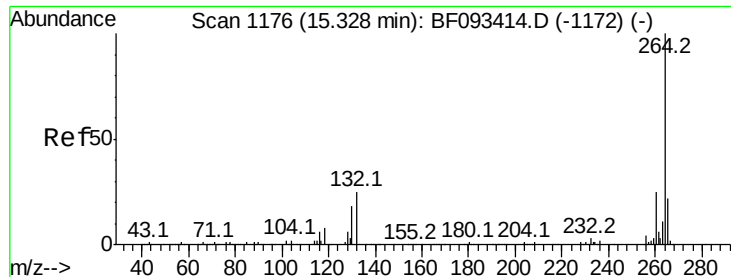


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

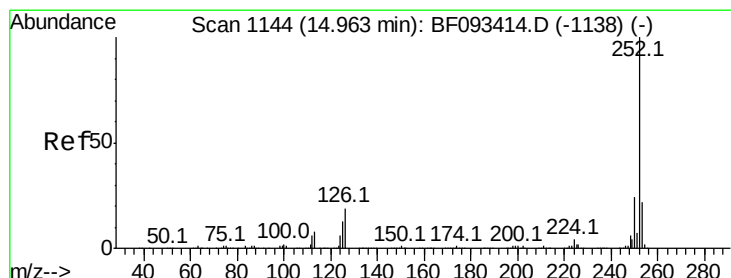
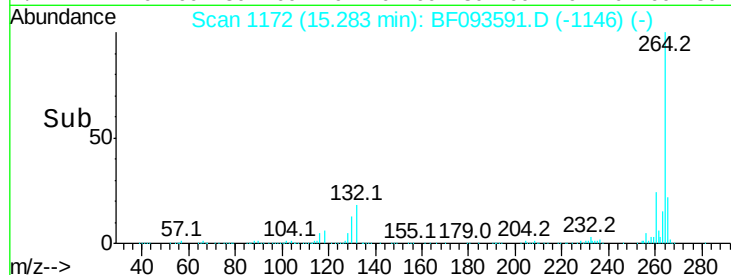
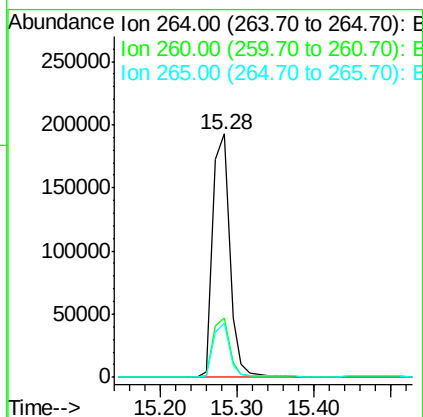
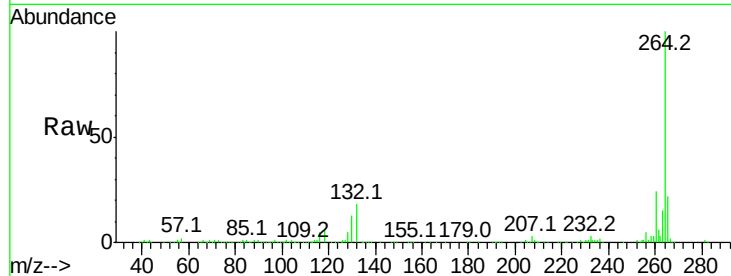




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF093591.D
Acq: 12 Mar 2017 5:21

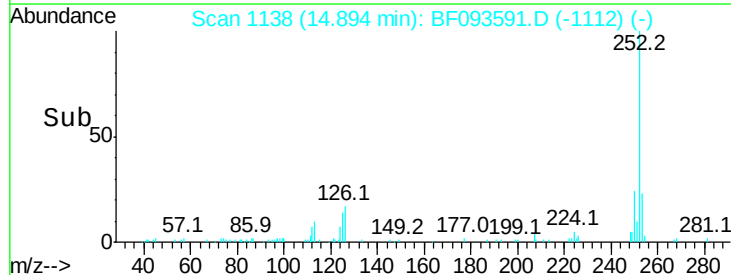
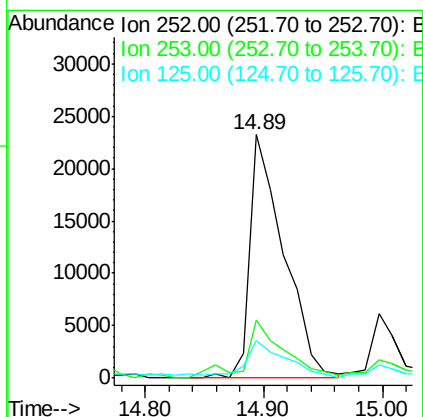
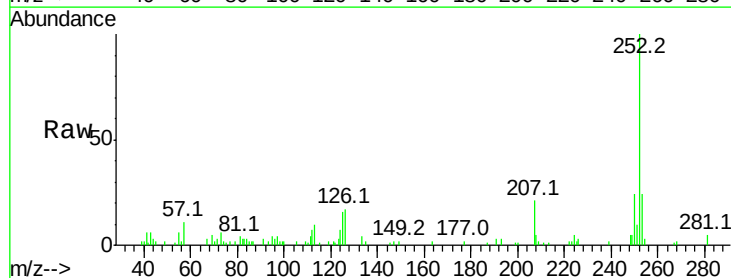
Instrument :
BNA_F
ClientSampleId :
HY-SB412B

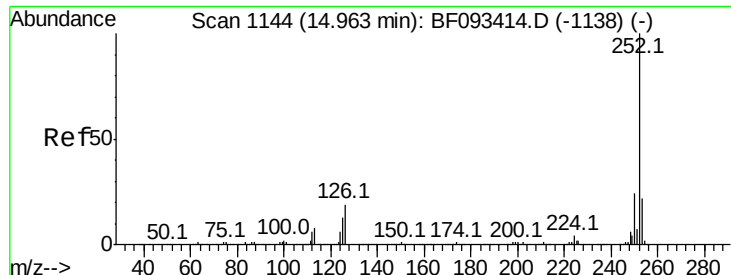
Tot Ion:264 Resp: 301500
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 22.4 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 2.53 ng
RT: 14.89 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BF093591.D
Acq: 12 Mar 2017 5:21

Tgt Ion:252 Resp: 46453
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.4
125 15.6 9.8 14.6#





#88

Benzo(k)fluoranthene

Concen: 2.62 ng

RT: 14.89 min Scan# 1138

Delta R.T. -0.02 min

Lab File: BF093591.D

Acq: 12 Mar 2017 5:21

Instrument :

BNA_F

ClientSampleId :

HY-SB412B

Tot Ion:252 Resp: 46453

Ion Ratio Lower Upper

252 100

253 23.9 18.5 27.7

125 15.6 8.9 13.3#

