

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030817\
 Data File : BF093444.D
 Acq On : 8 Mar 2017 22:29
 Operator : SJ/MA
 Sample : I2126-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z7-WSW

Quant Time: Mar 09 00:06:34 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

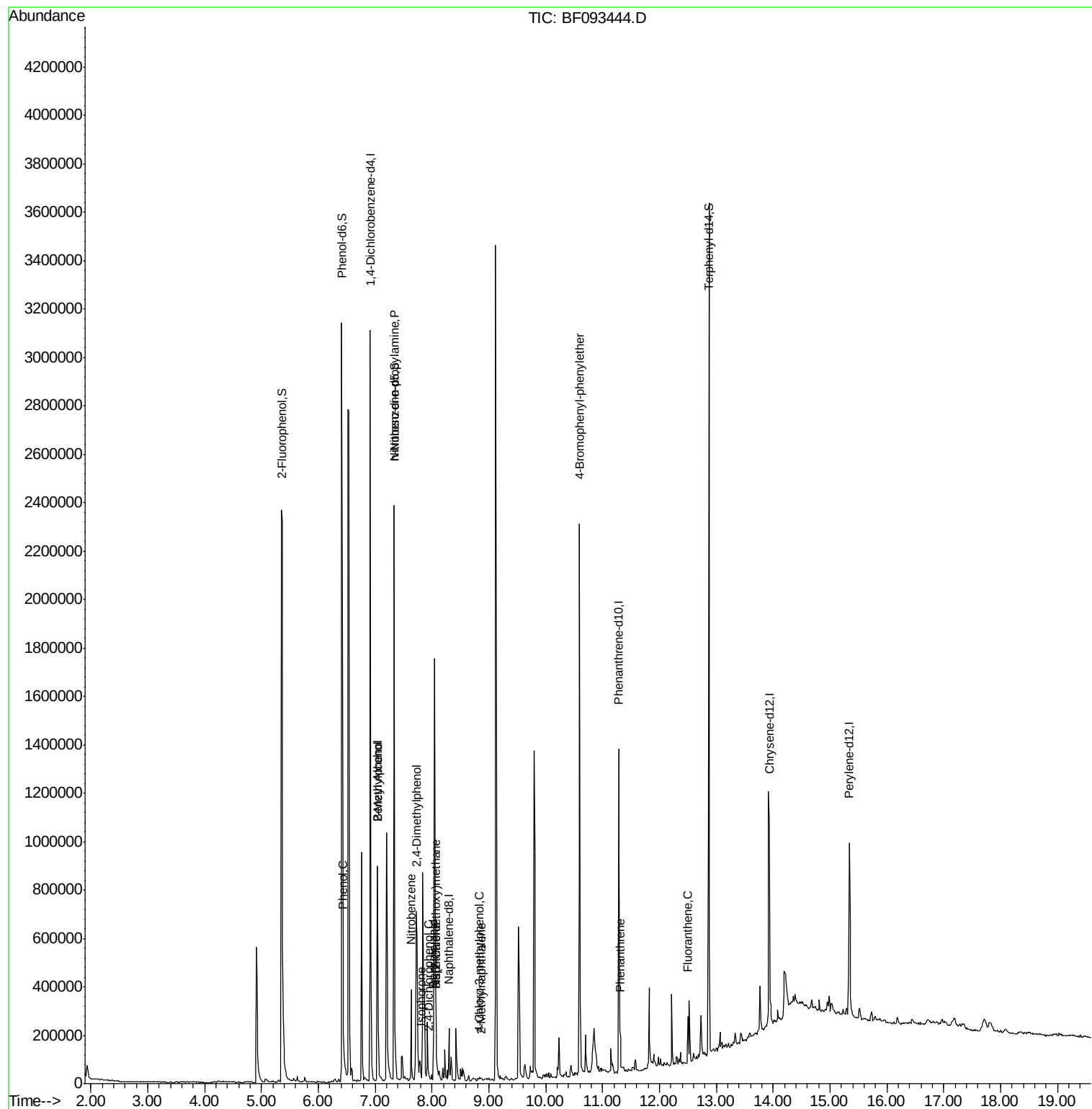
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	471273	20.00	ng	0.15
21) Naphthalene-d8	8.30	136	26640	20.00	ng	0.24
38) Acenaphthene-d10	0.00	164	0	0.00	ng	-9.81
63) Phenanthrene-d10	11.28	188	625194	20.00	ng	0.00
75) Chrysene-d12	13.93	240	474884	20.00	ng	0.01
86) Perylene-d12	15.34	264	327359	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1122077	39.63	ng	0.01
7) Phenol-d6	6.41	99	1409270	39.47	ng	0.00
23) Nitrobenzene-d5	7.34	82	933401	1944.04	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	244472	0.00	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1341703	0.00	ng	-0.01
78) Terphenyl-d14	12.87	244	1057595	57.90	ng	0.00
Target Compounds						
9) Benzaldehyde	6.42	77	4732	Below Cal	#	1
10) Phenol	6.44	94	151846	3.47	ng	70
15) Benzyl Alcohol	7.04	79	70437	2.77	ng	1
17) 2-Methylphenol	7.04	107	167644	6.25	ng	93
19) n-Nitroso-di-n-propylamine	7.34	70	127091	5.18	ng	77
24) Nitrobenzene	7.64	77	33945	62.90	ng	65
25) Isophorone	7.81	82	3247	3.35	ng	55
27) 2,4-Dimethylphenol	7.73	122	243952	609.10	ng	95
28) bis(2-Chloroethoxy)methane	8.07	93	6357	10.40	ng	49
29) 2,4-Dichlorophenol	7.94	162	2420	6.42	ng	89
31) Naphthalene	8.07	128	86637	64.90	ng	83
32) Benzoic acid	8.02	122	47812	229.73	ng	17
36) 4-Chloro-3-methylphenol	8.84	107	1077	2.68	ng	22
37) 2-Methylnaphthalene	8.86	142	4333	5.10	ng	94
66) 4-Bromophenyl-phenylether	10.60	248	19707	2.98	ng	1
70) Phenanthrene	11.32	178	77774	2.18	ng	98
74) Fluoranthene	12.51	202	76620	2.22	ng	96

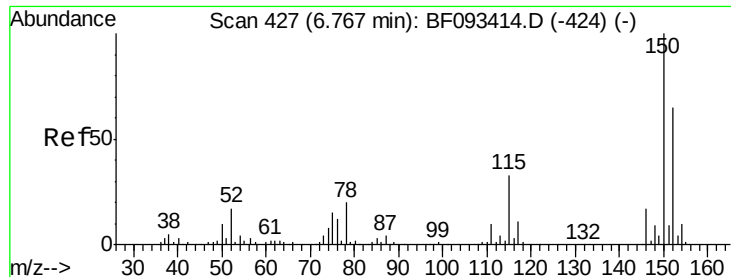
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 440

Delta R.T. 0.15 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

ClientSampleId :

E2-Z7-WSW

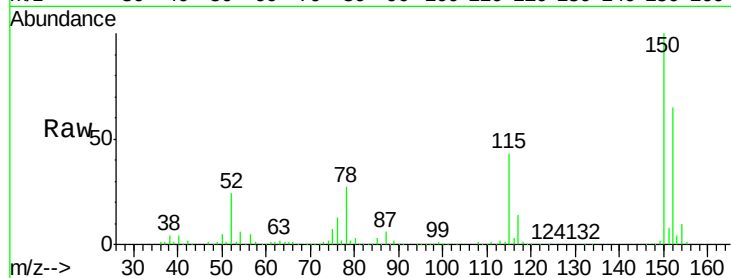
Tgt Ion:152 Resp: 471273

Ion Ratio Lower Upper

152 100

150 154.1 124.9 187.3

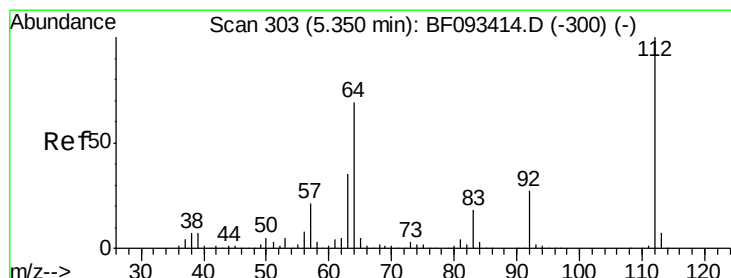
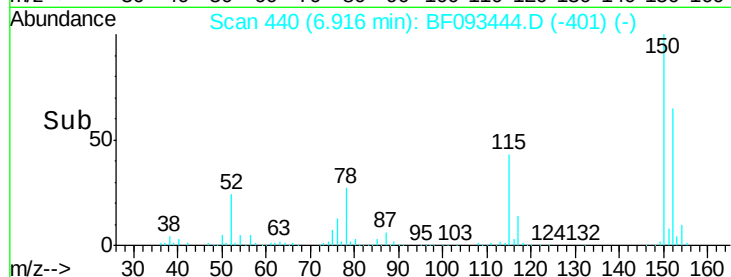
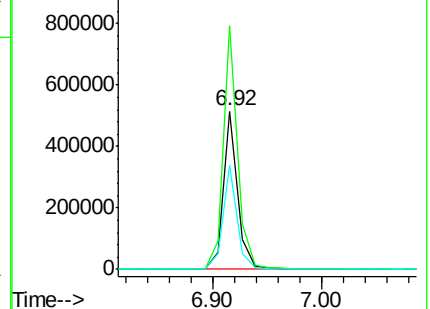
115 65.7 46.0 69.0



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: 39.63 ng

RT: 5.36 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

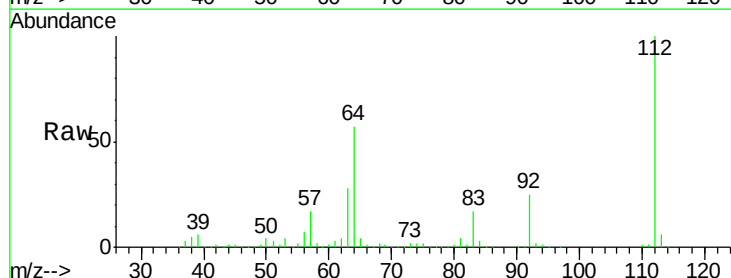
Tgt Ion:112 Resp: 1122077

Ion Ratio Lower Upper

112 100

64 57.0 46.1 69.1

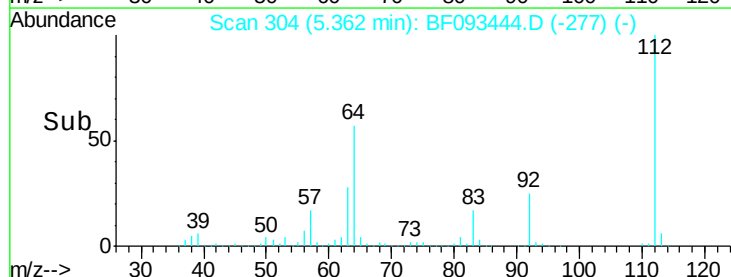
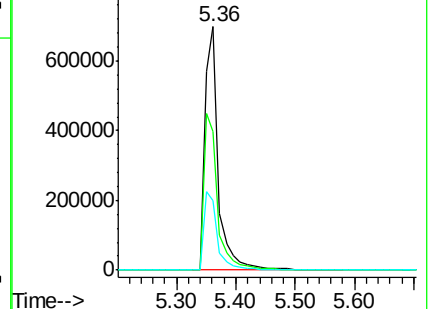
63 28.4 23.8 35.6

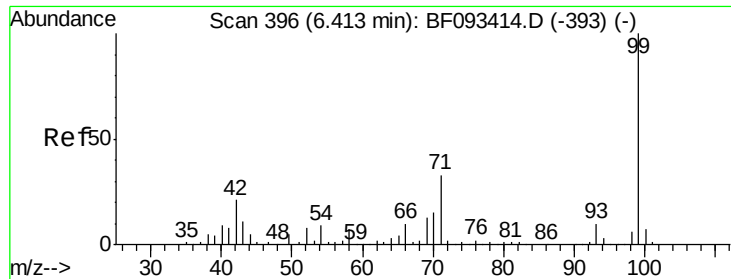


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.47 ng

RT: 6.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

ClientSampleId :

E2-Z7-WSW

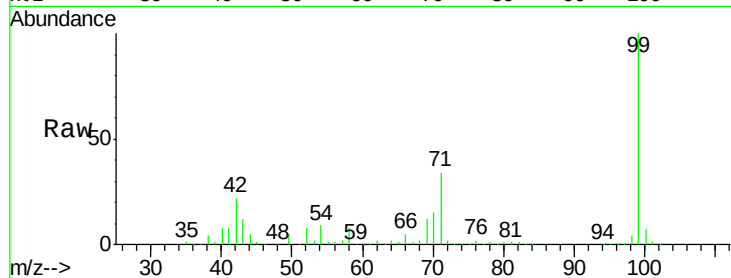
Tgt Ion: 99 Resp: 1409270

Ion Ratio Lower Upper

99 100

42 21.5 15.6 23.4

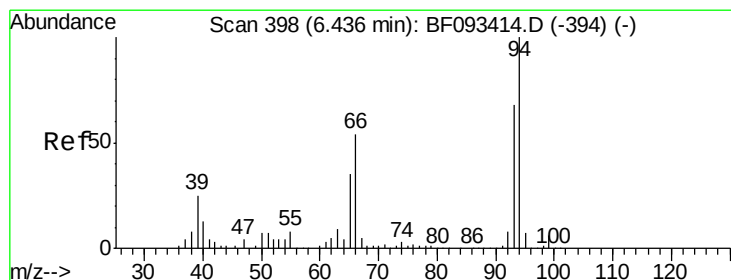
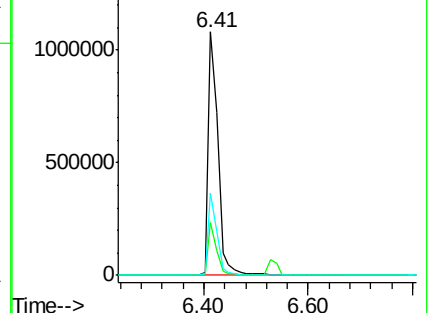
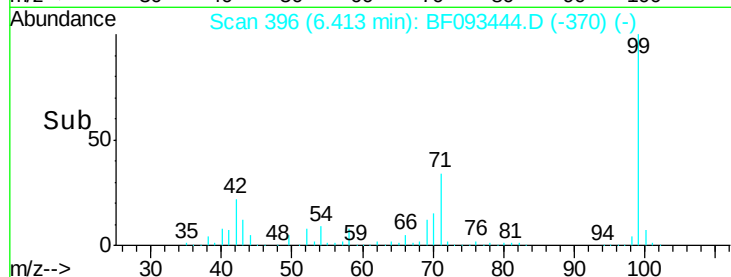
71 33.6 27.5 41.3



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: 3.47 ng

RT: 6.44 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

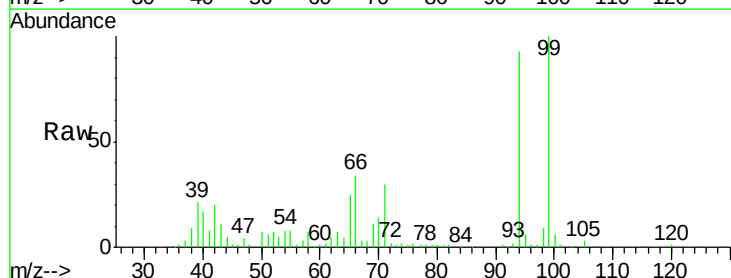
Tgt Ion: 94 Resp: 151846

Ion Ratio Lower Upper

94 100

65 26.9 21.4 61.4

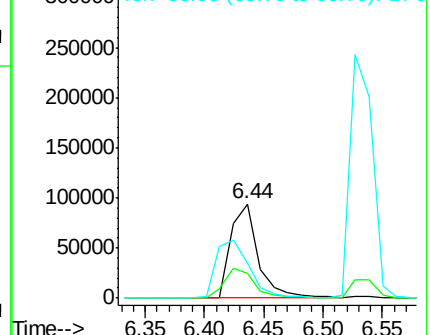
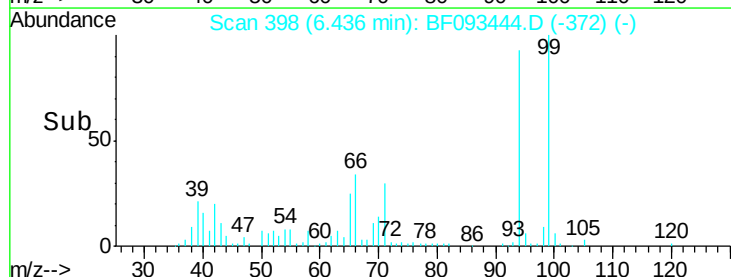
66 36.7 44.0 84.0#

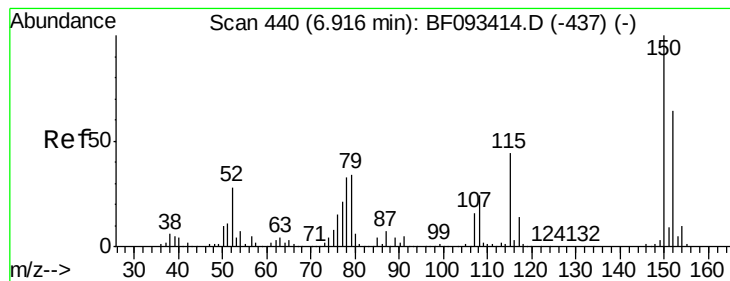


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.77 ng

RT: 7.04 min Scan# 451

Delta R.T. 0.13 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

ClientSampleId :

E2-Z7-WSW

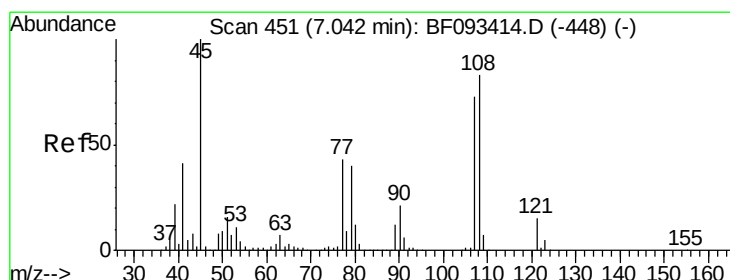
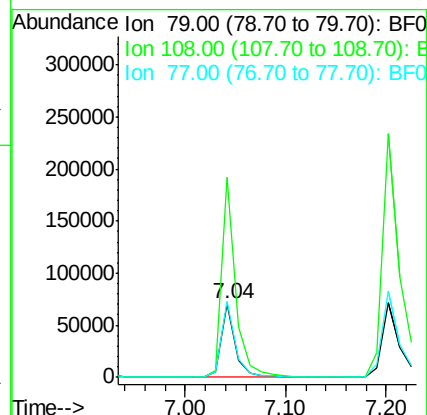
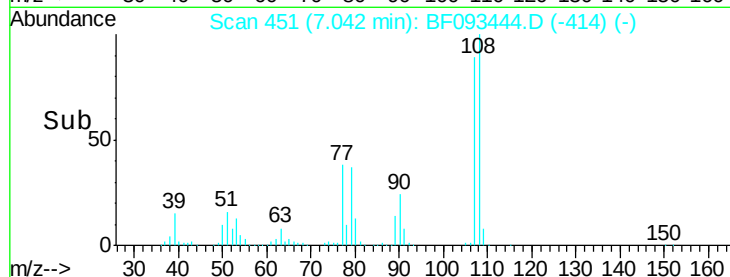
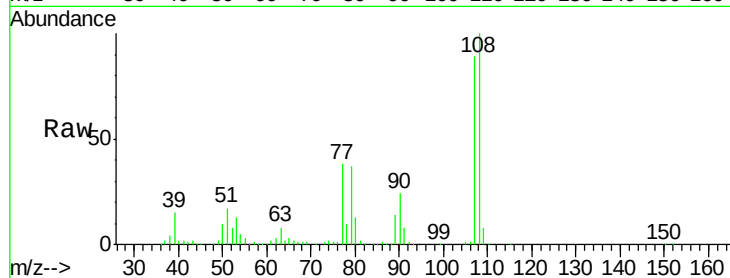
Tgt Ion: 79 Resp: 70437

Ion Ratio Lower Upper

79 100

108 272.3 61.4 92.0#

77 103.3 50.9 76.3#



#17

2-Methylphenol

Concen: 6.25 ng

RT: 7.04 min Scan# 451

Delta R.T. -0.00 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Tgt Ion: 107 Resp: 167644

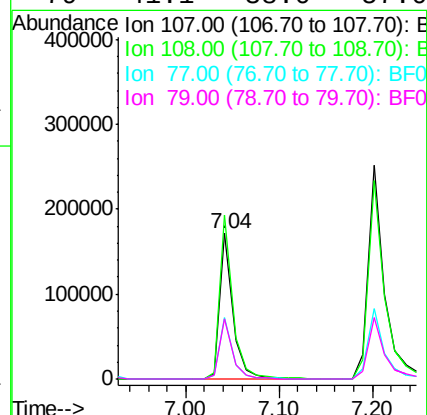
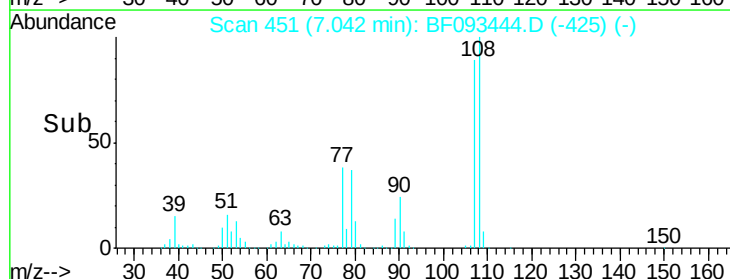
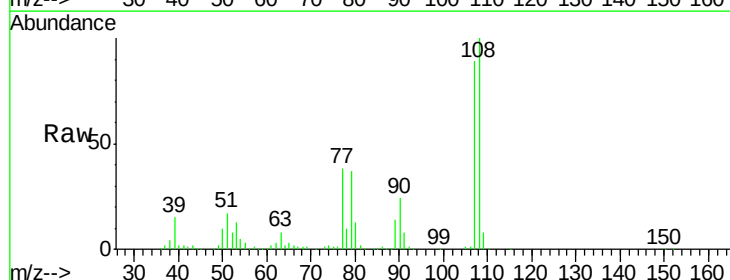
Ion Ratio Lower Upper

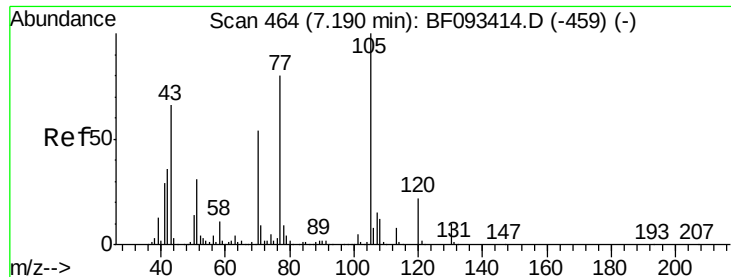
107 100

108 112.0 93.0 139.6

77 42.5 39.8 59.8

79 41.1 38.0 57.0

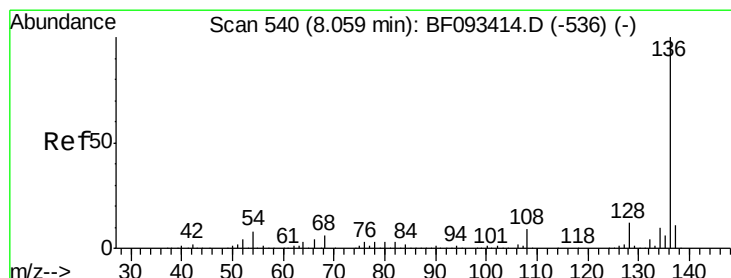
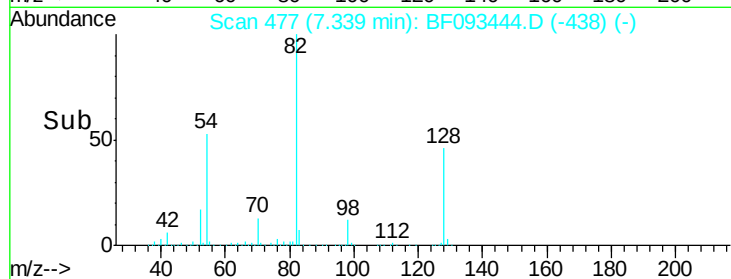
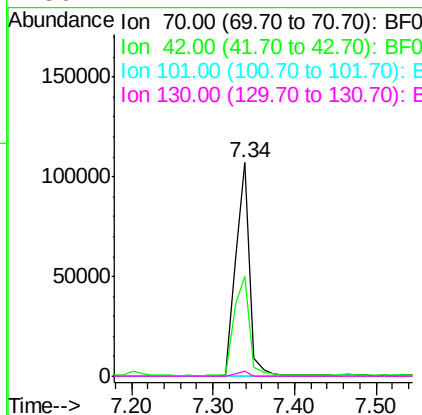
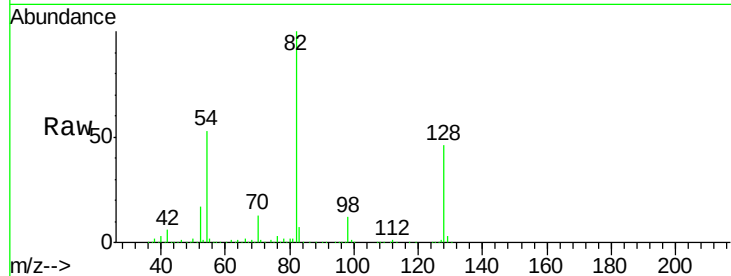




#19
n-Nitroso-di-n-propylamine
Concen: 5.18 ng
RT: 7.34 min Scan# 477
Delta R.T. 0.15 min
Lab File: BF093444.D
Acq: 8 Mar 2017 22:29

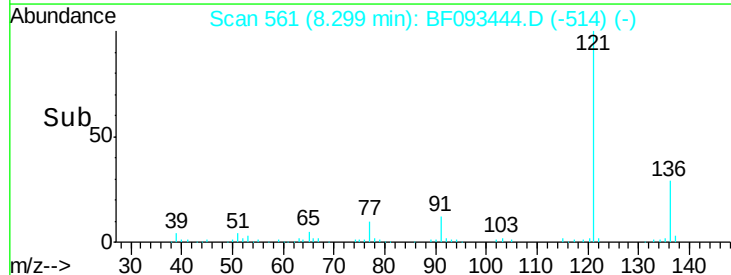
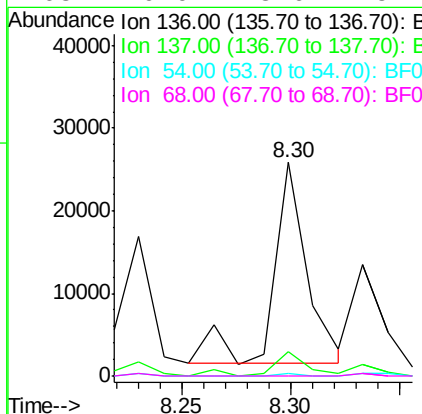
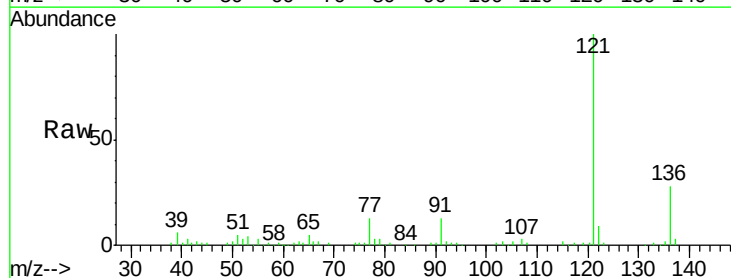
Instrument :
BNA_F
ClientSampleId :
E2-Z7-WSW

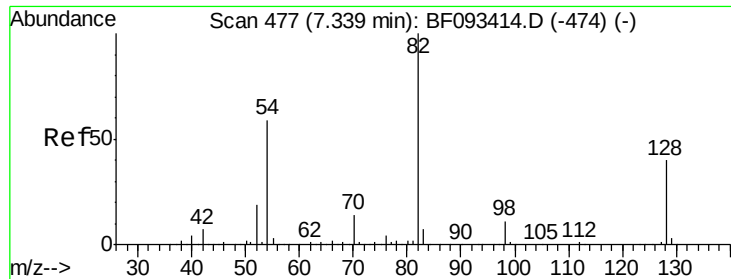
Tgt Ion: 70 Resp: 127091
Ion Ratio Lower Upper
70 100
42 46.7 49.4 74.0#
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.30 min Scan# 561
Delta R.T. 0.24 min
Lab File: BF093444.D
Acq: 8 Mar 2017 22:29

Tgt Ion: 136 Resp: 26640
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 1.4 4.5 6.7#
68 0.0 3.6 5.4#

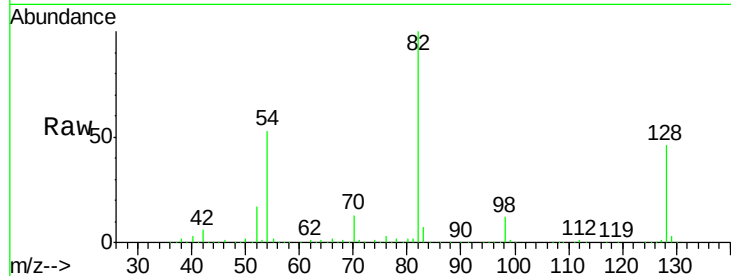




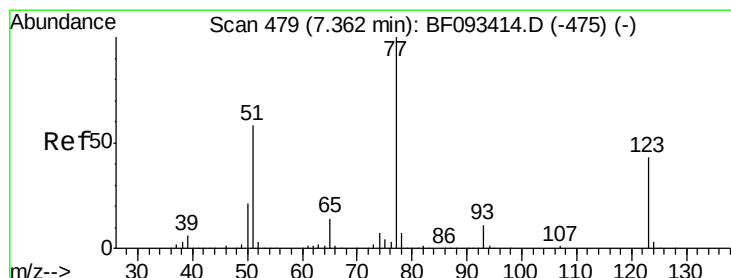
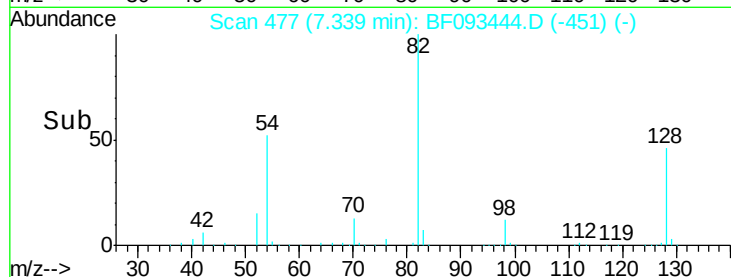
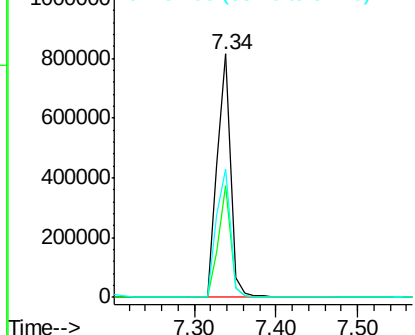
#23
 Nitrobenzene-d5
 Concen: 1944.04 ng
 RT: 7.34 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: BF093444.D
 Acq: 8 Mar 2017 22:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z7-WSW

Tgt Ion: 82 Resp: 933401
 Ion Ratio Lower Upper
 82 100
 128 46.1 34.6 52.0
 54 52.6 39.5 59.3

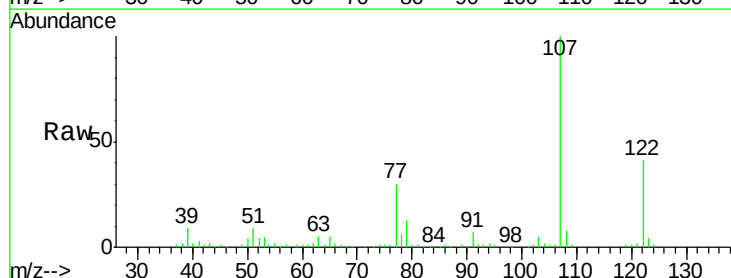


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

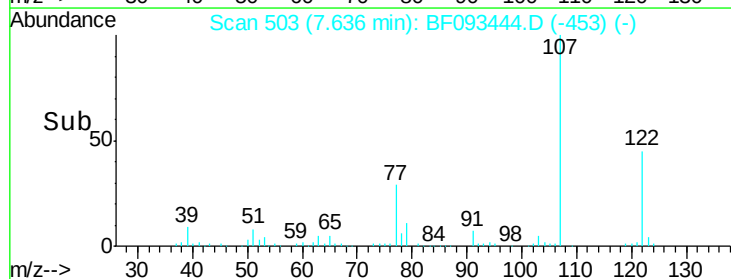
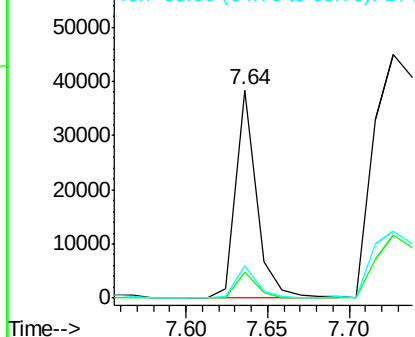


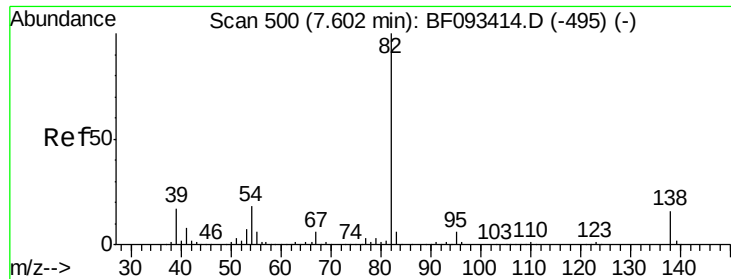
#24
 Nitrobenzene
 Concen: 62.90 ng
 RT: 7.64 min Scan# 503
 Delta R.T. 0.27 min
 Lab File: BF093444.D
 Acq: 8 Mar 2017 22:29

Tgt Ion: 77 Resp: 33945
 Ion Ratio Lower Upper
 77 100
 123 12.4 33.0 49.4#
 65 15.5 11.2 16.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 3.35 ng

RT: 7.81 min Scan# 518

Delta R.T. 0.21 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

ClientSampleId :

E2-Z7-WSW

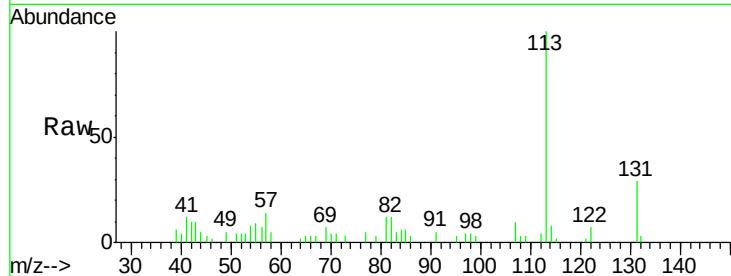
Tgt Ion: 82 Resp: 3247

Ion Ratio Lower Upper

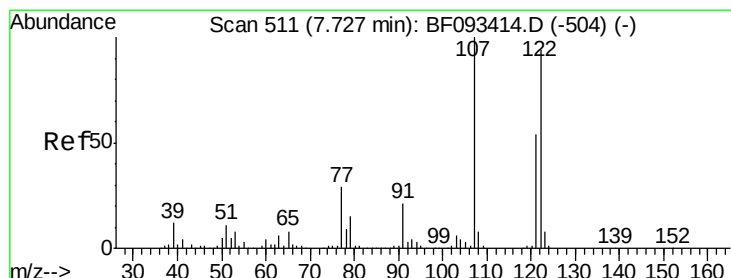
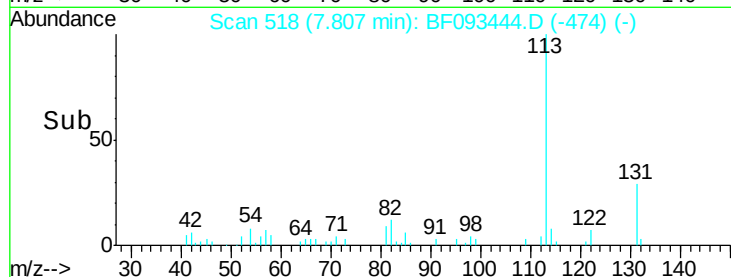
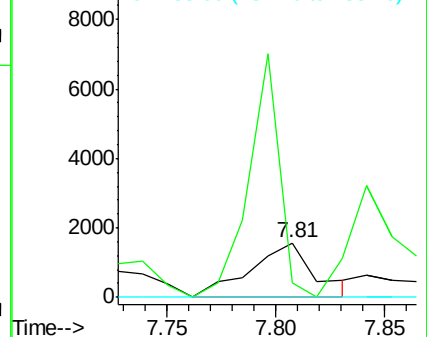
82 100

95 26.0 5.6 8.4#

138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#27

2,4-Dimethylphenol

Concen: 609.10 ng

RT: 7.73 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

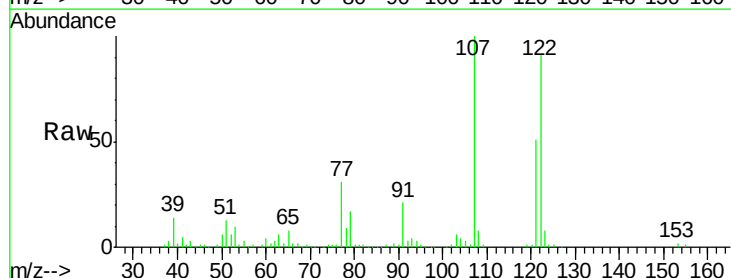
Tgt Ion: 122 Resp: 243952

Ion Ratio Lower Upper

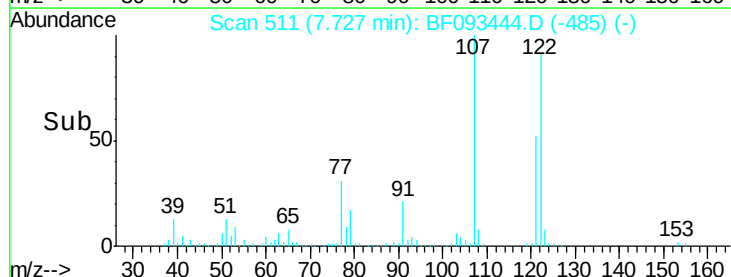
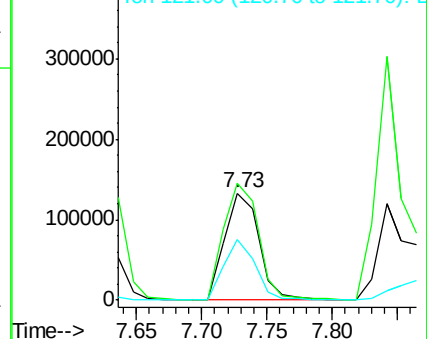
122 100

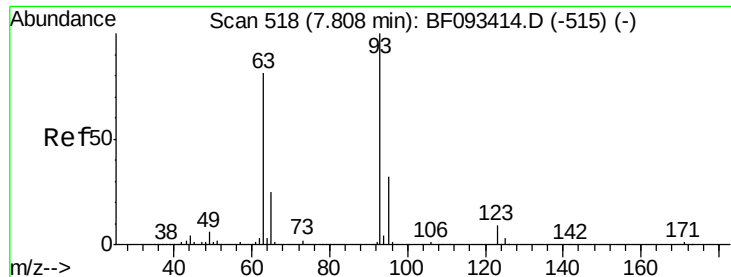
107 109.7 94.1 141.1

121 56.4 46.0 69.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#28

bis(2-Chloroethoxy)methane

Concen: 10.40 ng

RT: 8.07 min Scan# 541

Delta R.T. 0.26 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

ClientSampleId :

E2-Z7-WSW

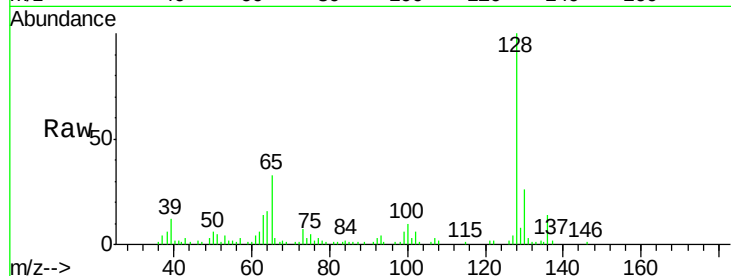
Tgt Ion: 93 Resp: 6357

Ion Ratio Lower Upper

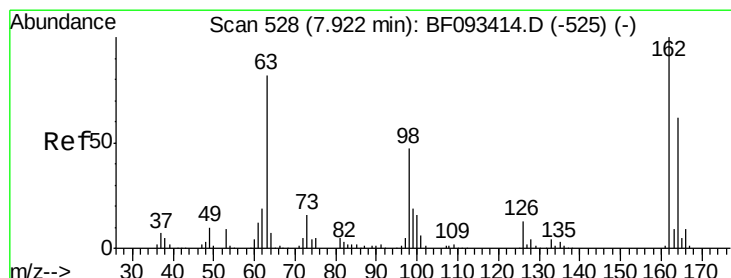
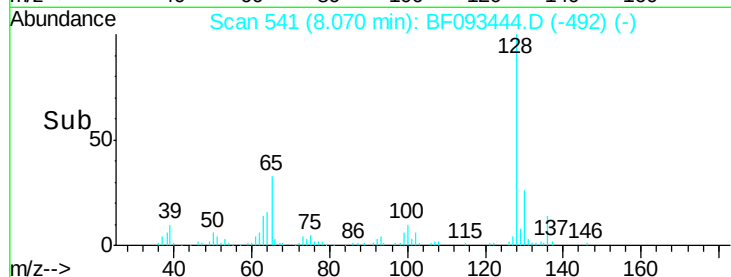
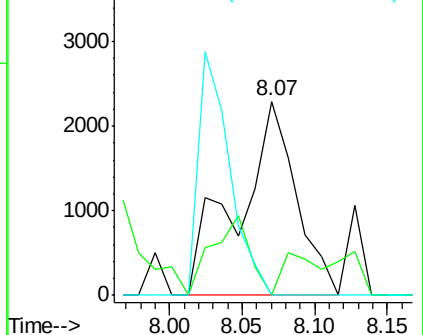
93 100

95 0.0 26.5 39.7#

123 0.0 8.6 13.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): BF0



#29

2,4-Dichlorophenol

Concen: 6.42 ng

RT: 7.94 min Scan# 530

Delta R.T. 0.02 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

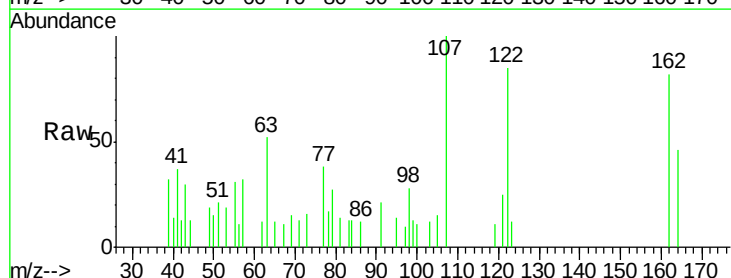
Tgt Ion: 162 Resp: 2420

Ion Ratio Lower Upper

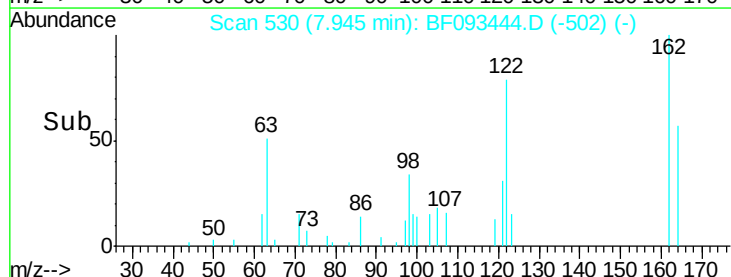
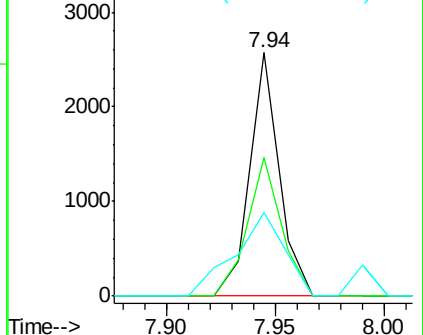
162 100

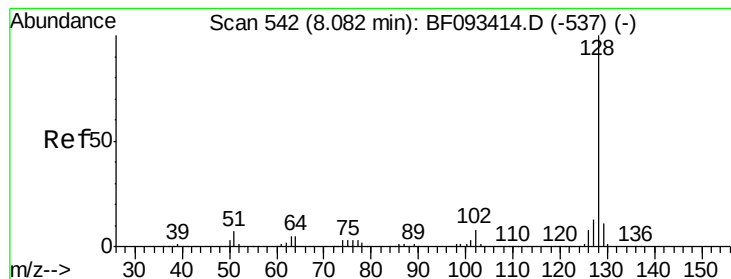
164 57.1 46.8 86.8

98 34.4 9.1 49.1



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0





#31

Naphthalene

Concen: 64.90 ng

RT: 8.07 min Scan# 541

Delta R.T. -0.01 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

ClientSampleId :

E2-Z7-WSW

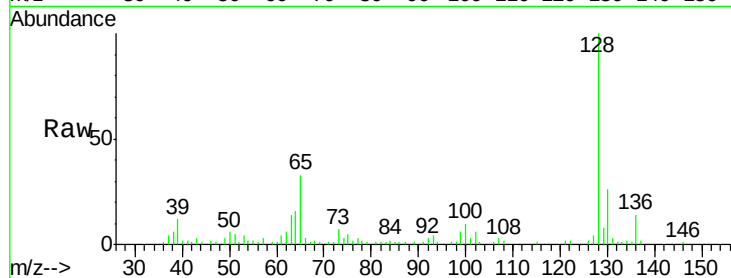
Tgt Ion:128 Resp: 86637

Ion Ratio Lower Upper

128 100

129 7.9 9.5 14.3#

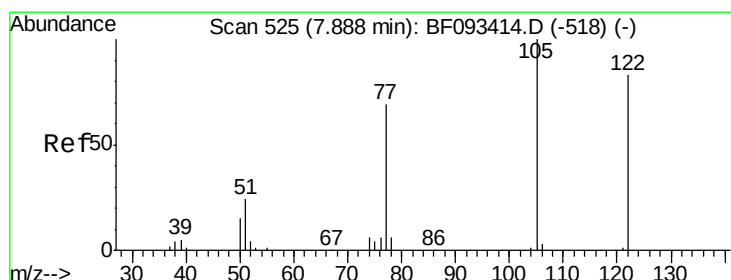
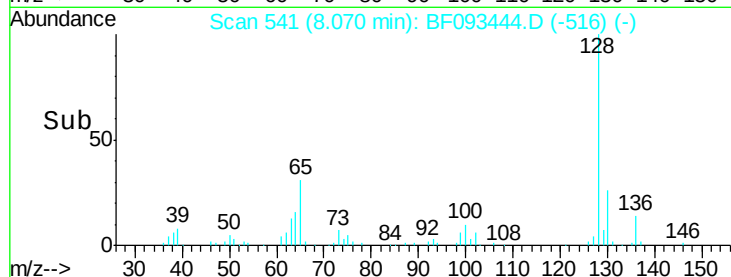
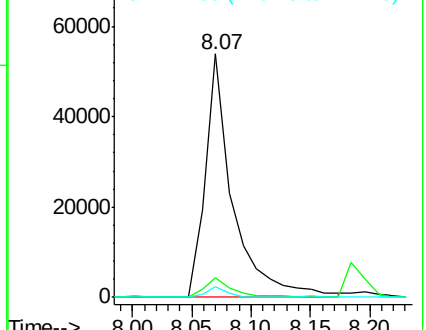
127 4.2 10.8 16.2#



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: 229.73 ng

RT: 8.02 min Scan# 537

Delta R.T. 0.14 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

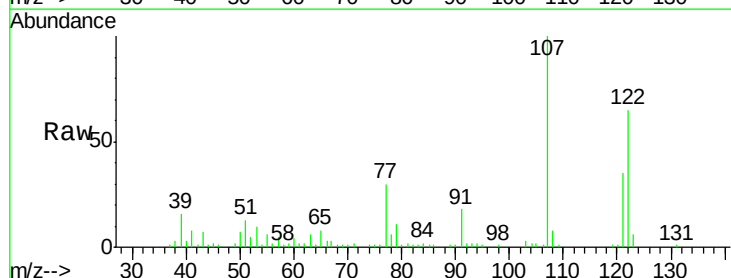
Tgt Ion:122 Resp: 47812

Ion Ratio Lower Upper

122 100

105 3.7 107.2 147.2#

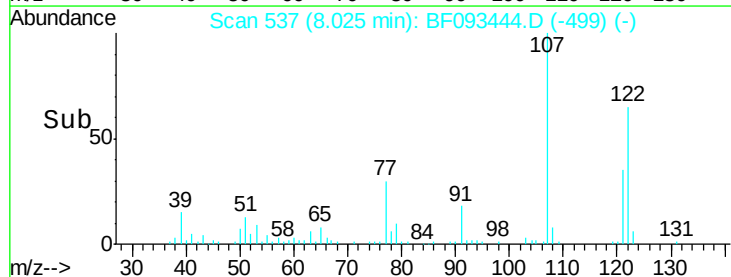
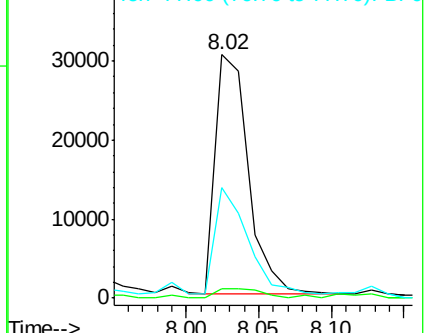
77 45.6 74.5 114.5#

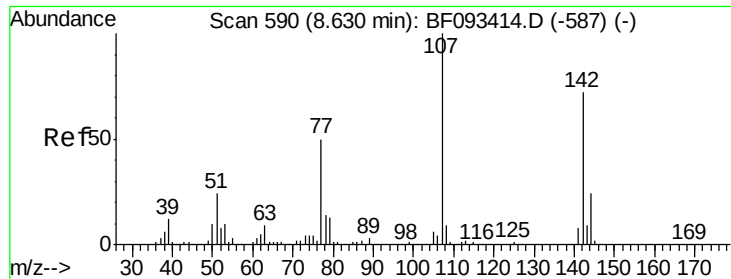


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

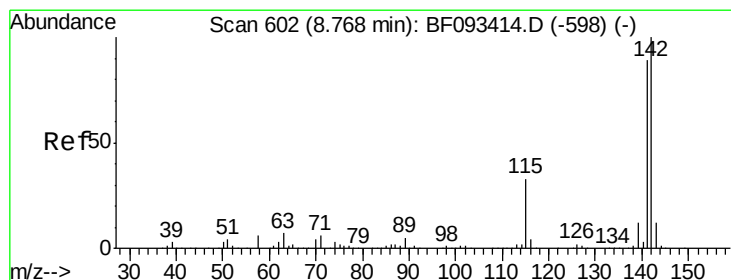
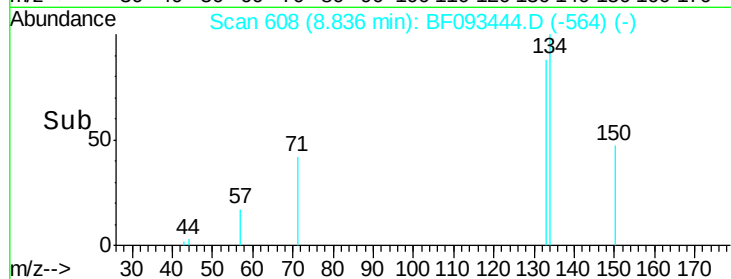
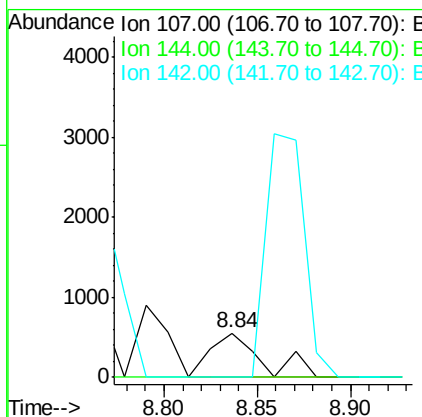
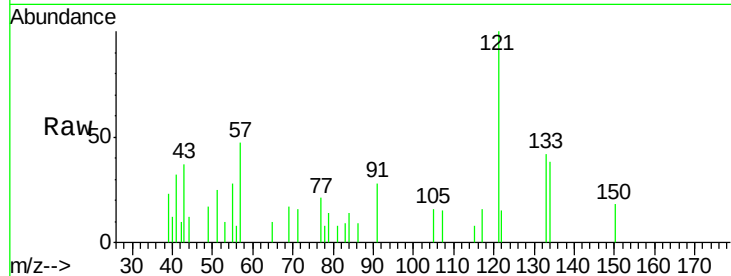




#36
 4-Chloro-3-methylphenol
 Concen: 2.68 ng
 RT: 8.84 min Scan# 608
 Delta R.T. 0.21 min
 Lab File: BF093444.D
 Acq: 8 Mar 2017 22:29

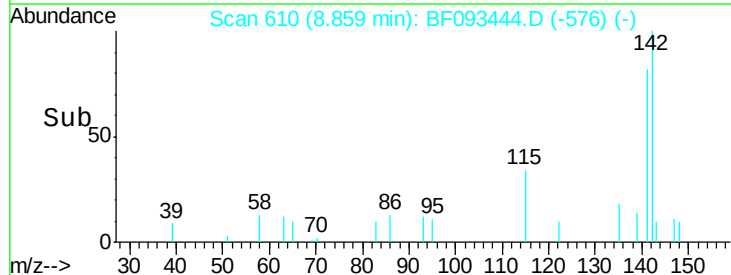
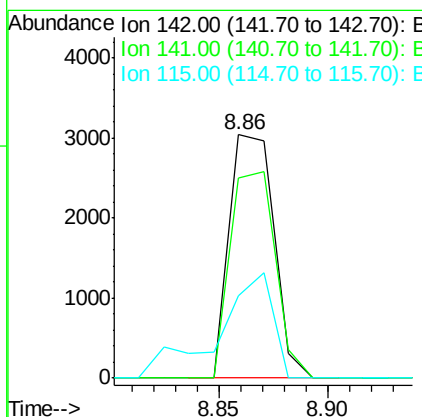
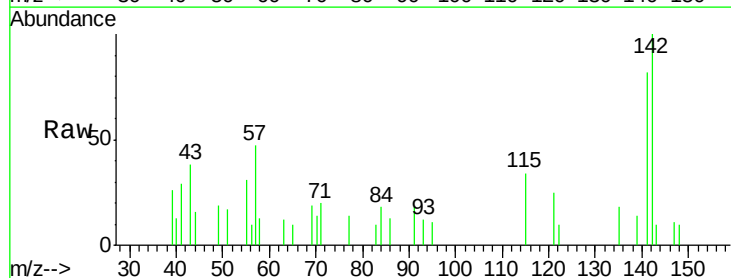
Instrument :
 BNA_F
 ClientSampleId :
 E2-Z7-WSW

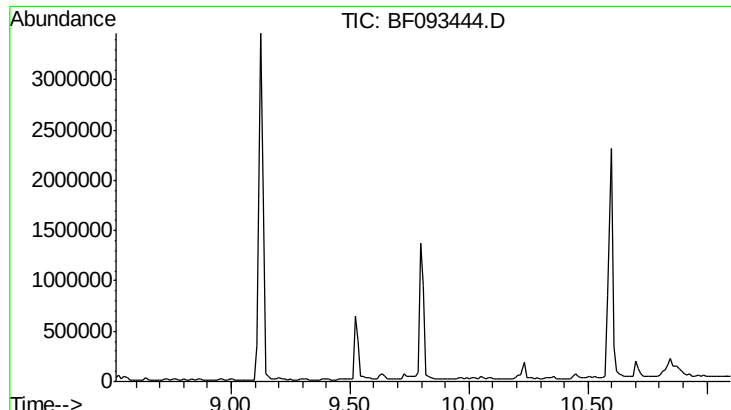
Tgt Ion:107 Resp: 1077
 Ion Ratio Lower Upper
 107 100
 144 0.0 19.3 28.9#
 142 0.0 59.0 88.6#



#37
 2-Methylnaphthalene
 Concen: 5.10 ng
 RT: 8.86 min Scan# 610
 Delta R.T. 0.09 min
 Lab File: BF093444.D
 Acq: 8 Mar 2017 22:29

Tgt Ion:142 Resp: 4333
 Ion Ratio Lower Upper
 142 100
 141 82.3 71.0 106.6
 115 33.9 28.3 42.5

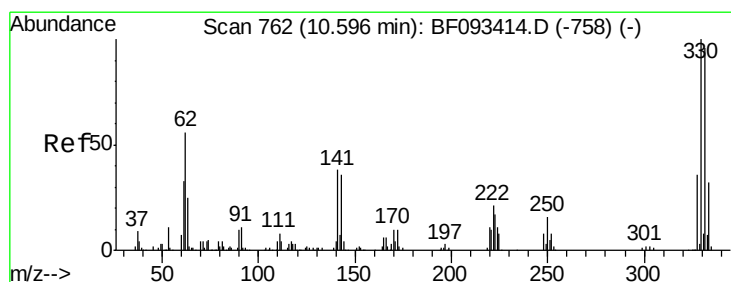
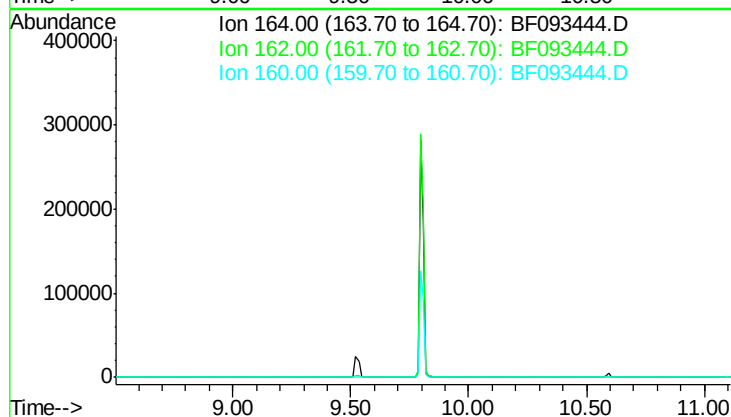




#38
 Acenaphthene-d10
 Concen: 0.00 ng
 Expected RT: 9.81 min
 Lab File: BF093444.D
 Acq: 8 Mar 2017 22:29

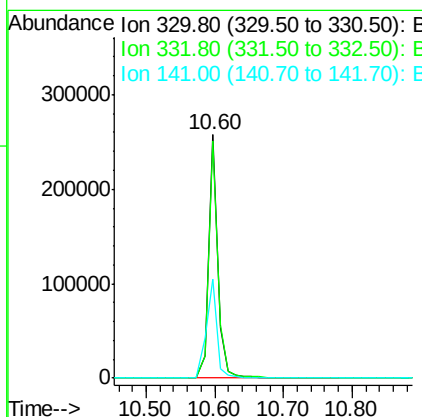
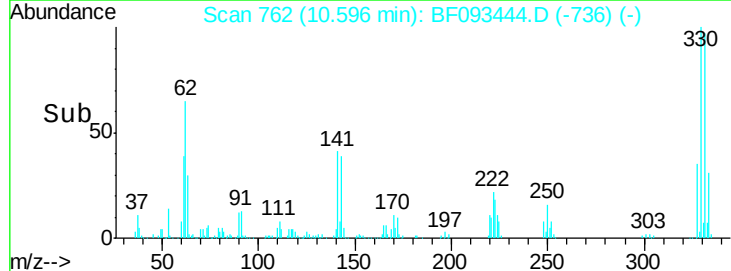
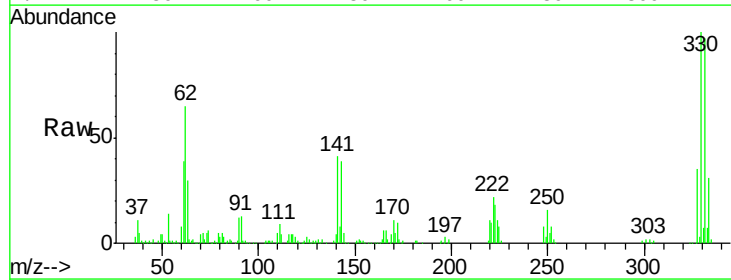
Instrument :
 BNA_F
 ClientSampleId :
 E2-Z7-WSW

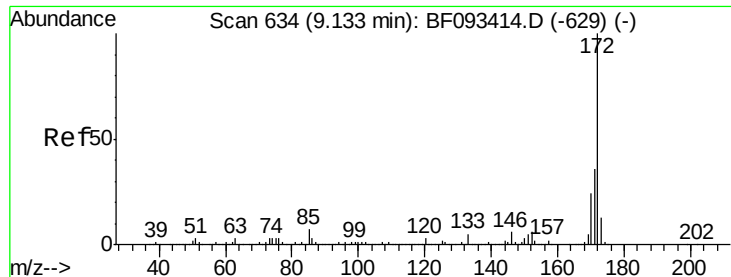
Tgt Ion: 164
 Sig Exp Ratio
 164 100
 162 100.2
 160 46.1



#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 RT: 10.60 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BF093444.D
 Acq: 8 Mar 2017 22:29

Tgt Ion: 330 Resp: 244472
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.4 116.2
 141 46.7 34.1 51.1





#44

2-Fluorobiphenyl

Concen: 0.00 ng

RT: 9.12 min Scan# 633

Delta R.T. -0.01 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

ClientSampleId :

E2-Z7-WSW

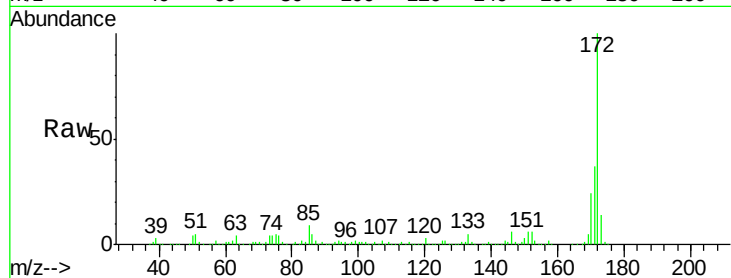
Tgt Ion:172 Resp: 1341703

Ion Ratio Lower Upper

172 100

171 36.7 29.4 44.0

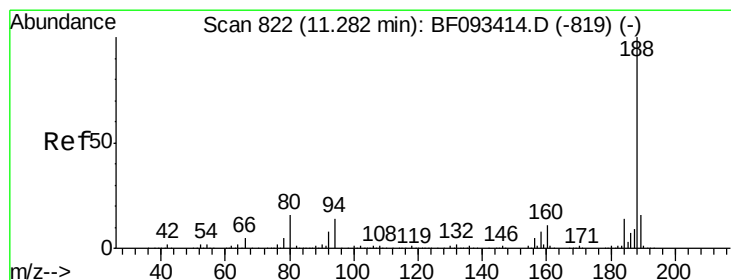
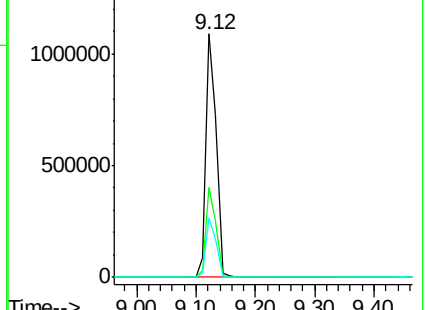
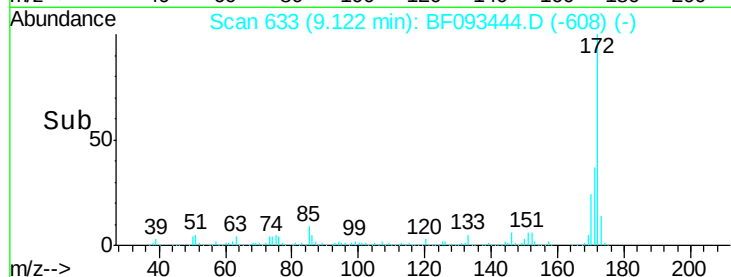
170 24.5 20.2 30.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 822

Delta R.T. -0.00 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

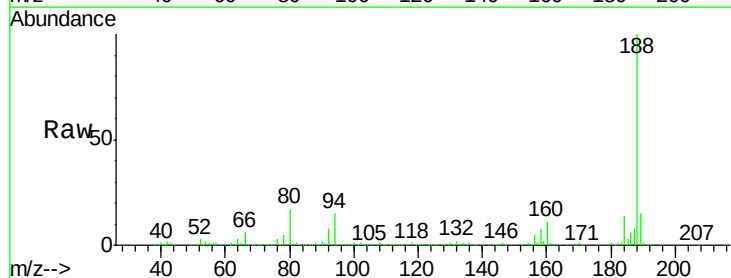
Tgt Ion:188 Resp: 625194

Ion Ratio Lower Upper

188 100

94 15.3 10.0 15.0#

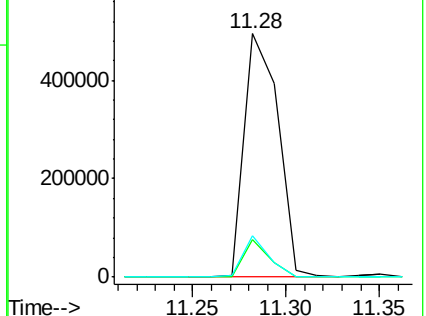
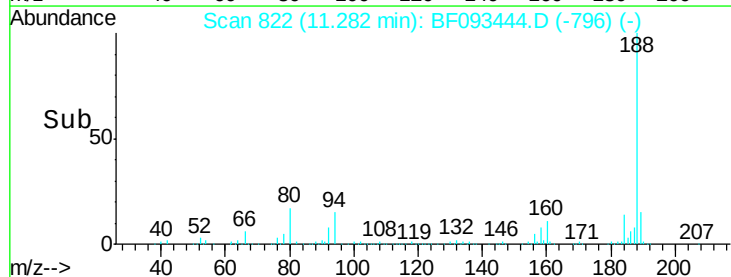
80 16.8 11.2 16.8#

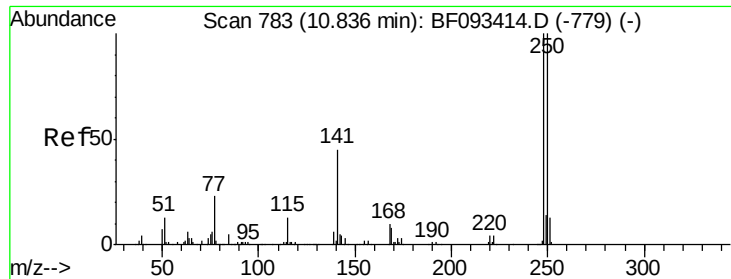


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

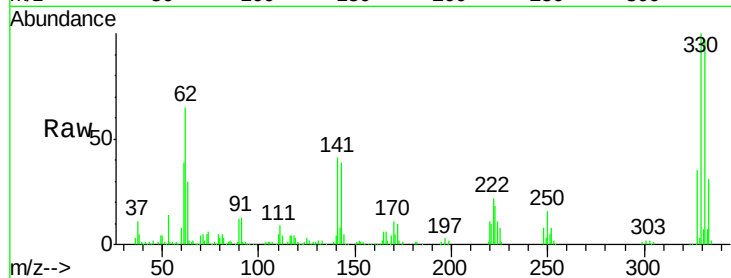




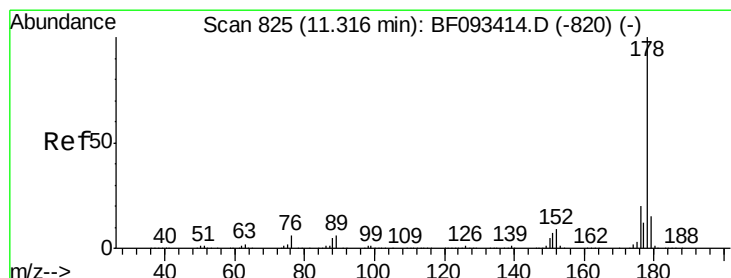
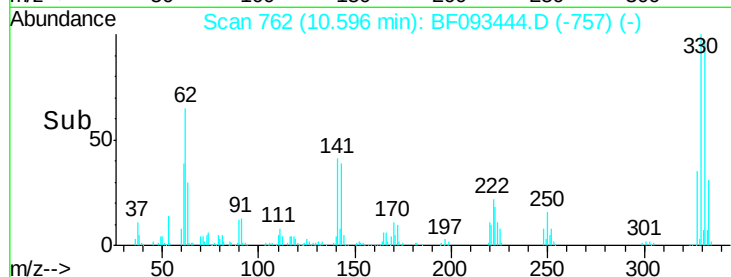
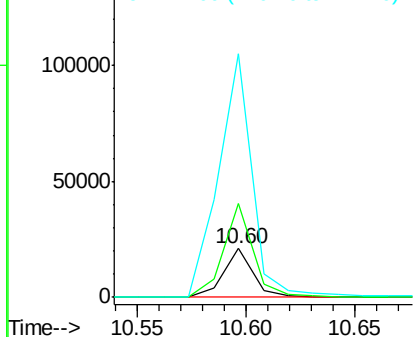
#66
 4-Bromophenyl-phenylether
 Concen: 2.98 ng
 RT: 10.60 min Scan# 762
 Delta R.T. -0.24 min
 Lab File: BF093444.D
 Acq: 8 Mar 2017 22:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z7-WSW

Tgt Ion:248 Resp: 19707
 Ion Ratio Lower Upper
 248 100
 250 191.0 76.9 115.3#
 141 497.2 68.2 102.4#

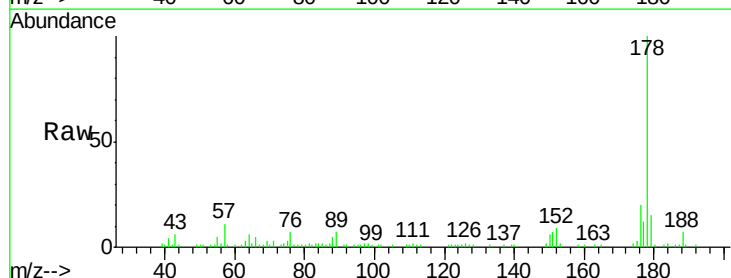


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

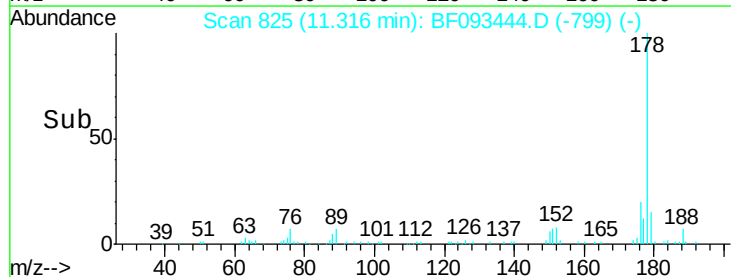
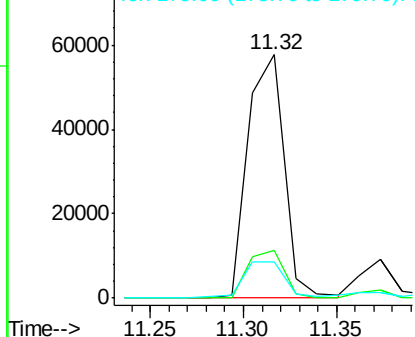


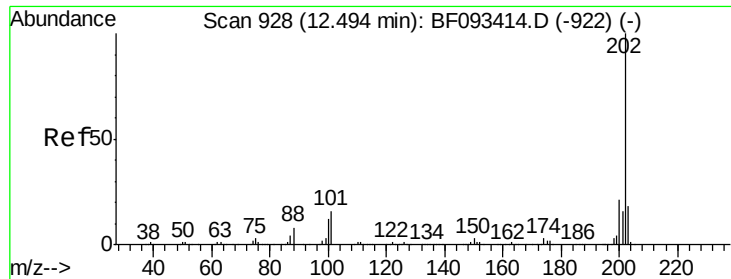
#70
 Phenanthrene
 Concen: 2.18 ng
 RT: 11.32 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BF093444.D
 Acq: 8 Mar 2017 22:29

Tgt Ion:178 Resp: 77774
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.6 25.0
 179 15.0 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: 2.22 ng

RT: 12.51 min Scan# 929

Delta R.T. 0.01 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

ClientSampleId :

E2-Z7-WSW

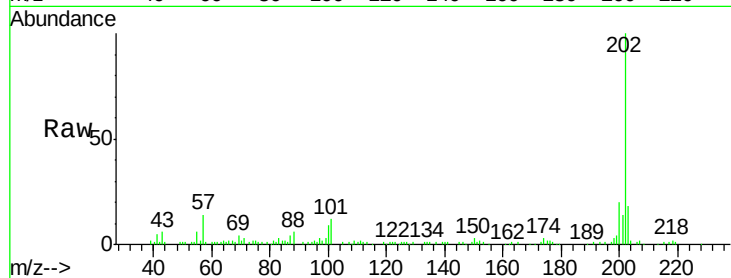
Tgt Ion:202 Resp: 76620

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.6

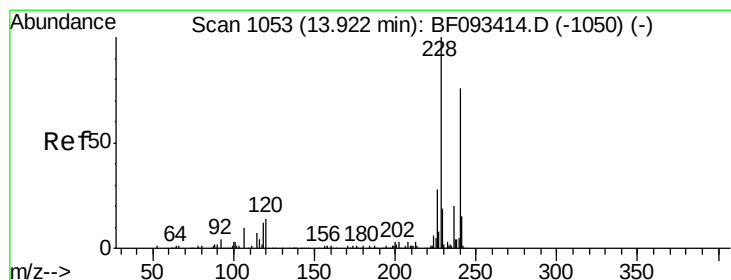
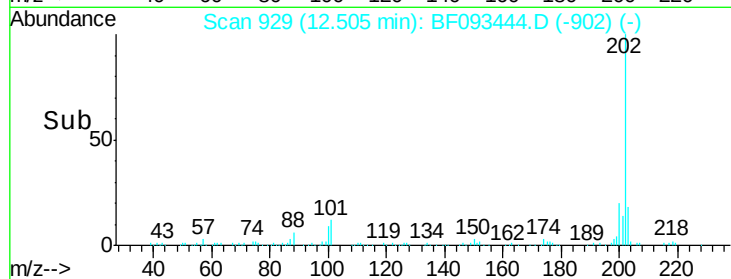
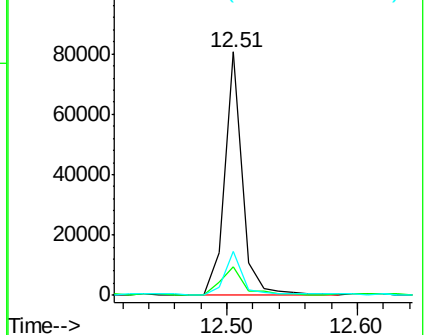
203 18.1 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1054

Delta R.T. 0.01 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

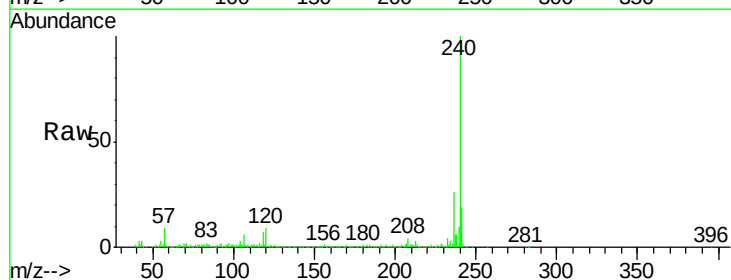
Tgt Ion:240 Resp: 474884

Ion Ratio Lower Upper

240 100

120 8.6 12.9 19.3#

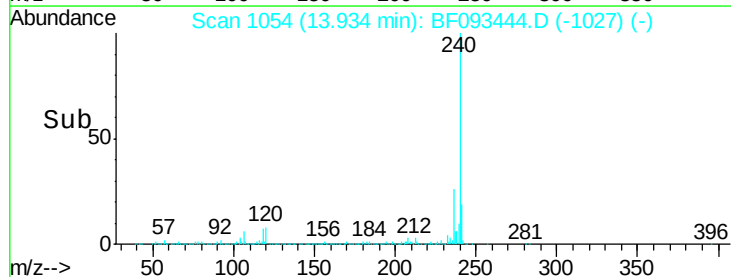
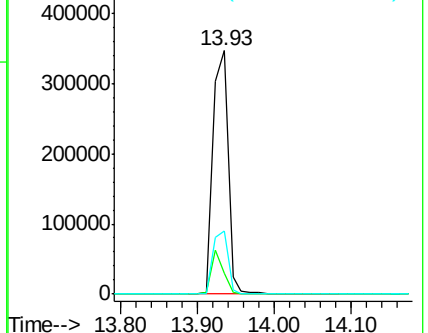
236 25.8 20.9 31.3

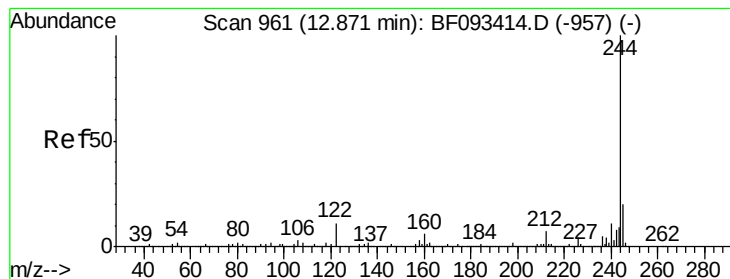


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 57.90 ng

RT: 12.87 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

ClientSampleId :

E2-Z7-WSW

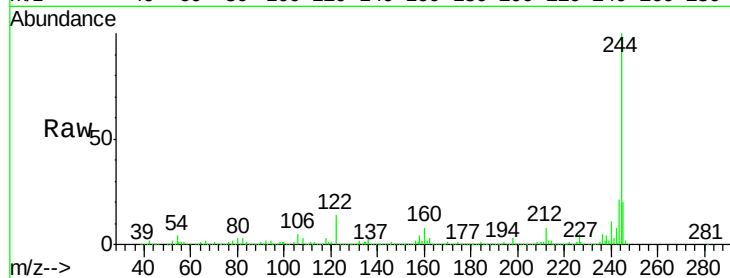
Tgt Ion:244 Resp: 1057595

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

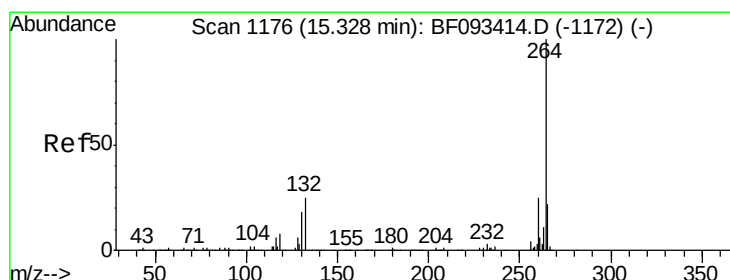
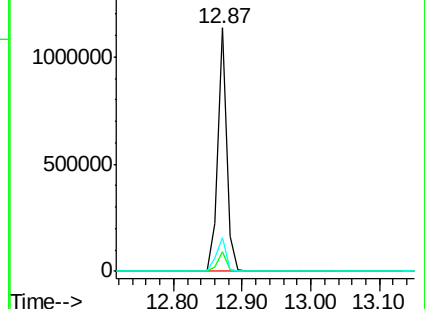
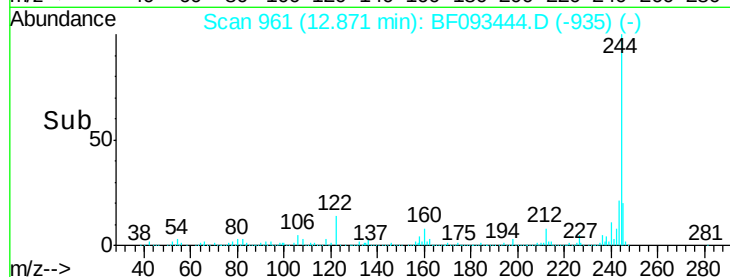
122 13.9 11.4 17.2



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: 15.34 min Scan# 1177

Delta R.T. 0.01 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

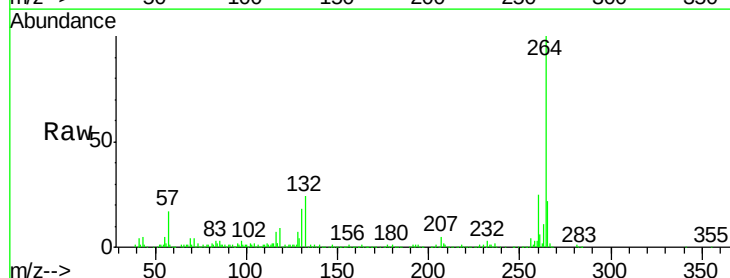
Tgt Ion:264 Resp: 327359

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 22.3 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

