

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032317\
 Data File : BF093885.D
 Acq On : 23 Mar 2017 18:09
 Operator : SJ/MA
 Sample : I2362-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0664

Quant Time: Mar 24 01:06:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

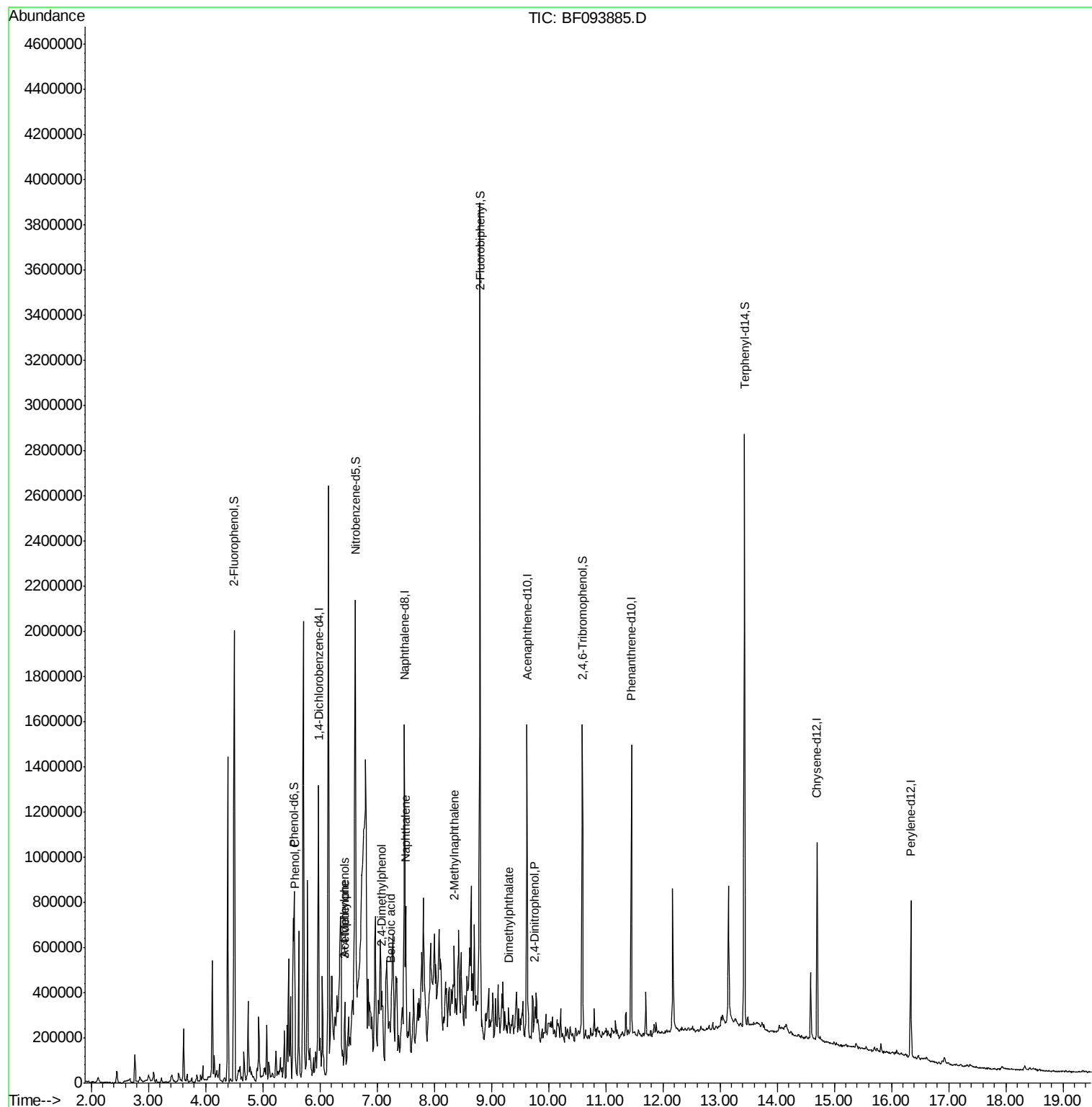
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.97	152	164328	20.00	ng	-0.01
21) Naphthalene-d8	7.48	136	683556	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	323223	20.00	ng	-0.02
63) Phenanthrene-d10	11.45	188	541683	20.00	ng	-0.01
75) Chrysene-d12	14.70	240	359004	20.00	ng	-0.01
86) Perylene-d12	16.34	264	282212	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	275300	28.30	ng	0.00
7) Phenol-d6	5.55	99	263591	21.90	ng	-0.02
23) Nitrobenzene-d5	6.62	82	783102	65.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	167680	65.65	ng	-0.02
44) 2-Fluorobiphenyl	8.80	172	1453709	68.60	ng	-0.02
78) Terphenyl-d14	13.43	244	961672	60.04	ng	-0.01
Target Compounds						
10) Phenol	5.56	94	93423	6.82	ng	Qvalue 90
20) 3+4-Methylphenols	6.45	107	29759	2.68	ng	# 73
22) Acetophenone	6.43	105	75529	4.96	ng	# 75
27) 2,4-Dimethylphenol	7.08	122	42930	4.42	ng	95
31) Naphthalene	7.50	128	293735	8.94	ng	99
32) Benzoic acid	7.24	122	15506	2.40	ng	# 26
37) 2-Methylnaphthalene	8.35	142	88991	4.06	ng	98
49) Dimethylphthalate	9.30	163	47395	2.06	ng	96
53) 2,4-Dinitrophenol	9.76	184	827	4.94	ng	# 1

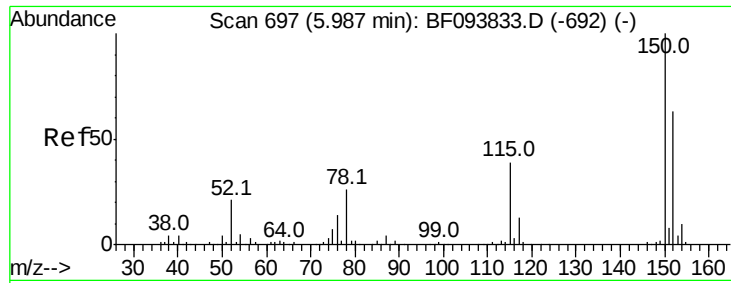
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.97 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

Instrument :

BNA_F

ClientSampleId :

S8-0664

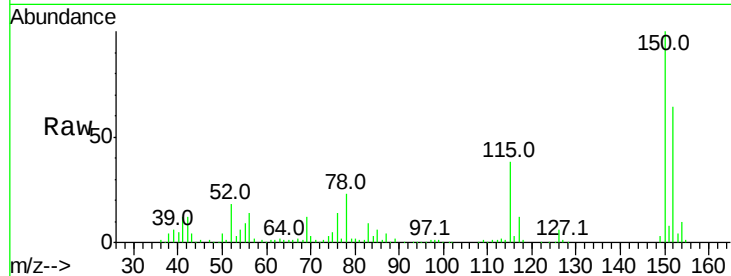
Tot Ion:152 Resp: 164328

Ion Ratio Lower Upper

152 100

150 156.2 126.2 189.2

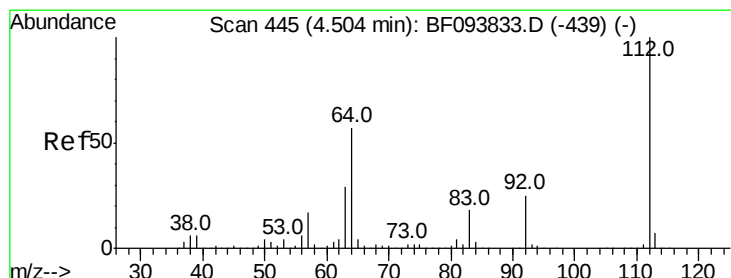
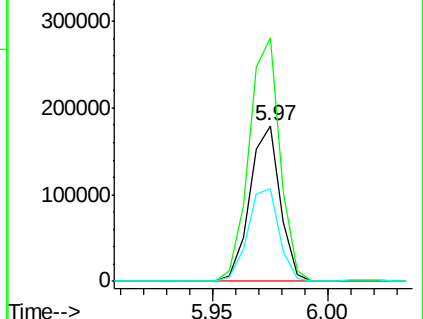
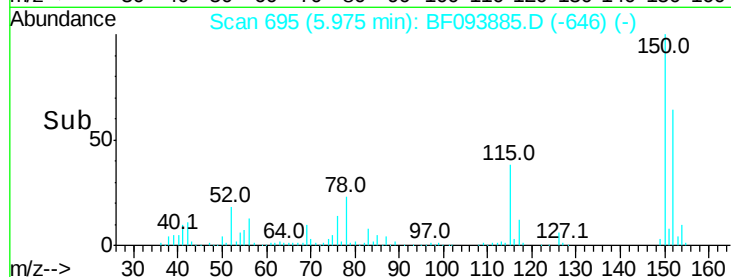
115 59.2 52.2 78.2



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: 28.30 ng

RT: 4.50 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

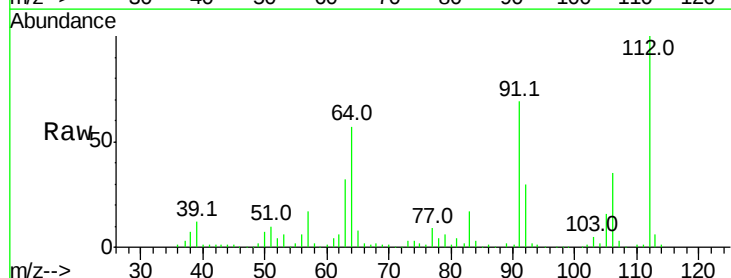
Tgt Ion:112 Resp: 275300

Ion Ratio Lower Upper

112 100

64 57.1 46.0 69.0

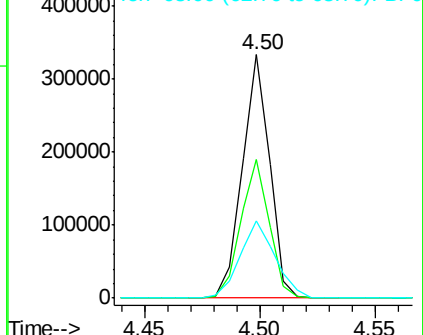
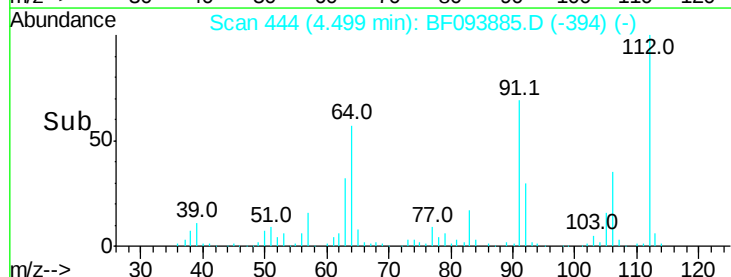
63 31.8 23.4 35.0

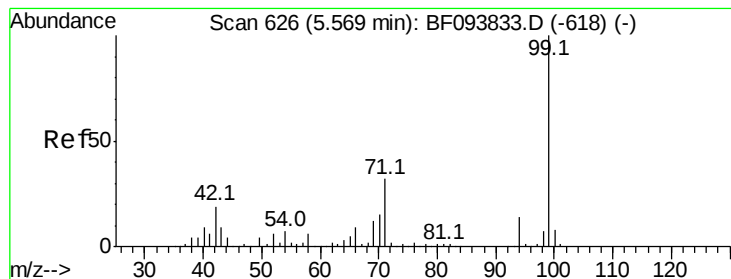


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.90 ng

RT: 5.55 min Scan# 623

Delta R.T. -0.02 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

Instrument :

BNA_F

ClientSampleId :

S8-0664

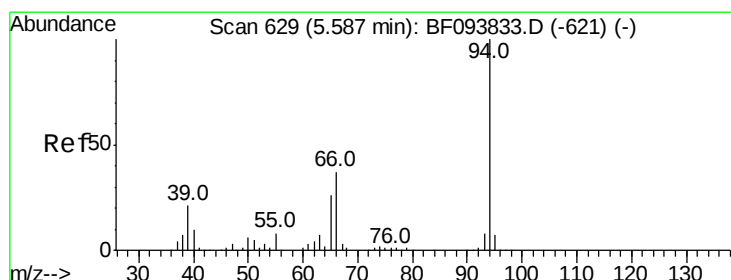
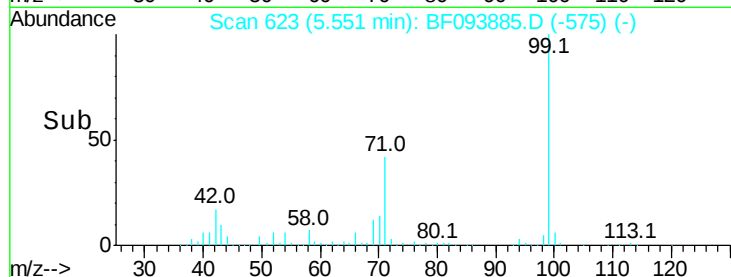
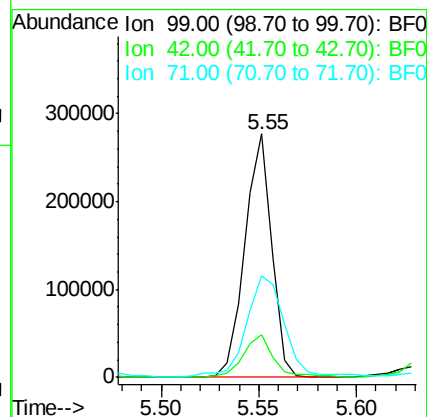
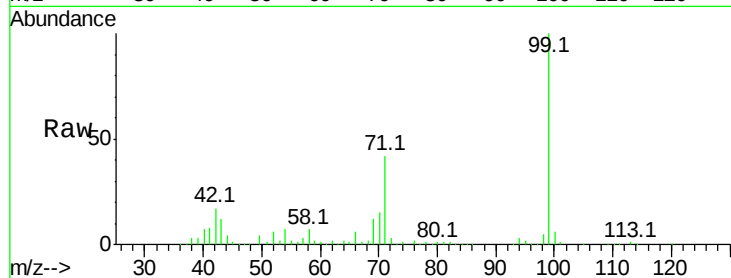
Tot Ion: 99 Resp: 263591

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

71 41.7 24.5 36.7#



#10

Phenol

Concen: 6.82 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.02 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

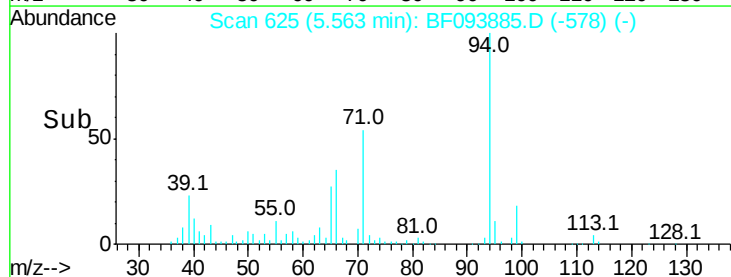
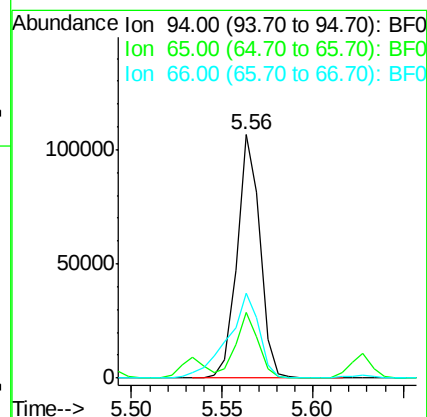
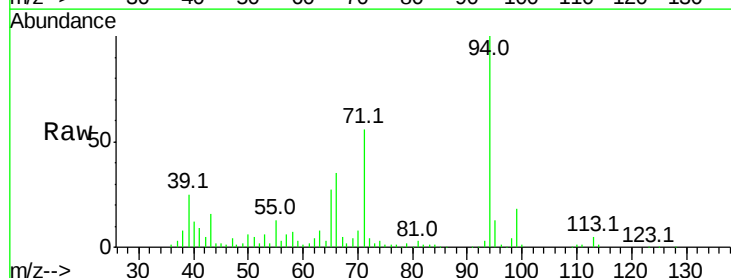
Tgt Ion: 94 Resp: 93423

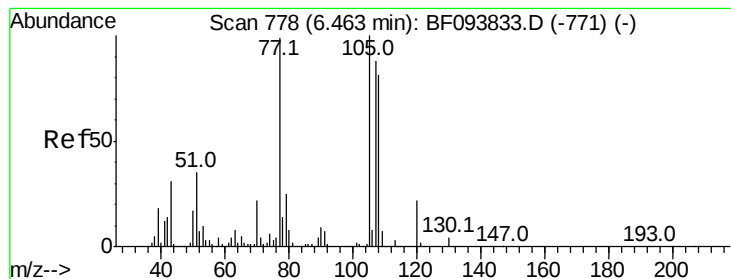
Ion Ratio Lower Upper

94 100

65 26.8 9.9 49.9

66 34.9 23.1 63.1





#20

3+4-Methylphenols

Concen: 2.68 ng

RT: 6.45 min Scan# 775

Delta R.T. -0.02 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

Instrument :

BNA_F

ClientSampleId :

S8-0664

Tot Ion:107 Resp: 29759

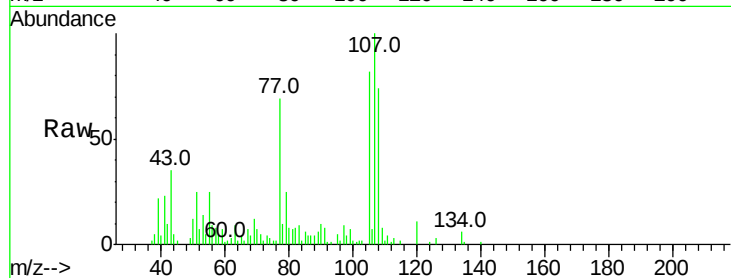
Ion Ratio Lower Upper

107 100

108 74.3 71.0 111.0

77 68.6 90.5 130.5#

79 25.3 8.4 48.4

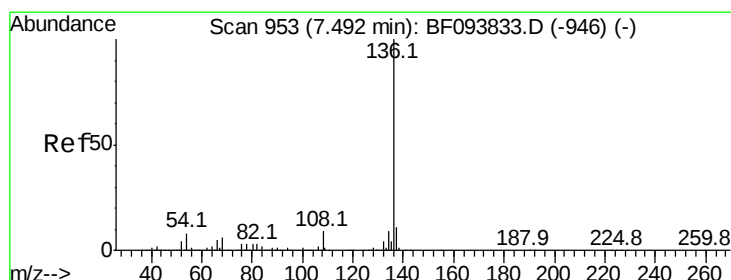
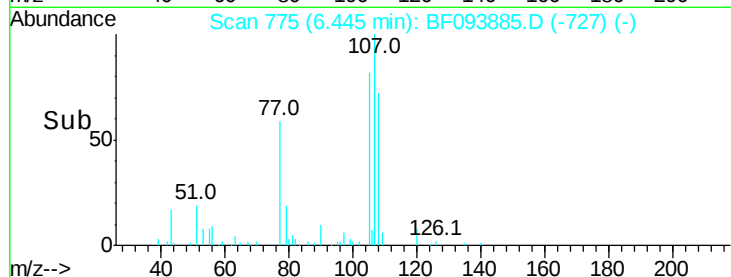
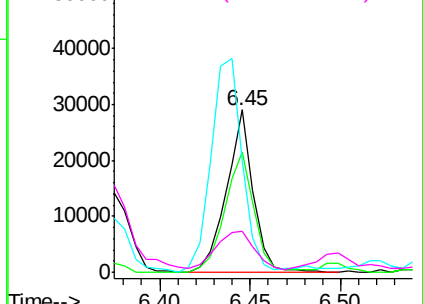


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.48 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

Tgt Ion:136 Resp: 683556

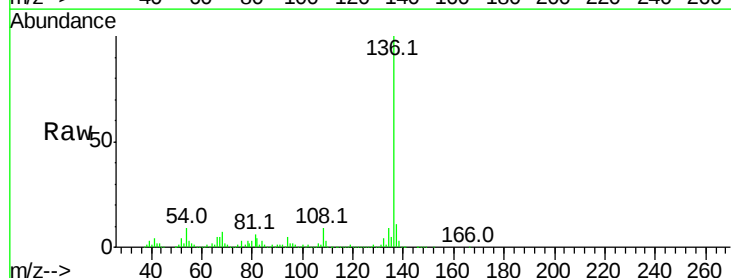
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 9.1 4.9 7.3#

68 7.4 4.1 6.1#

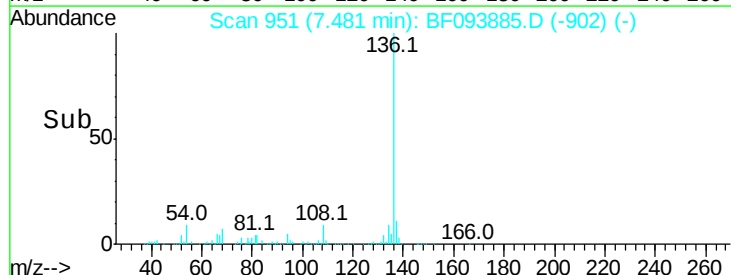
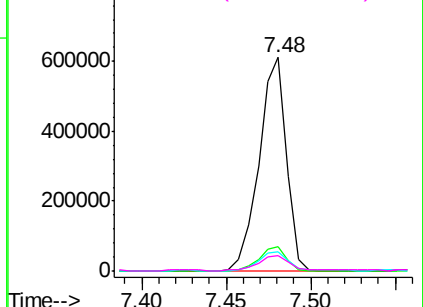


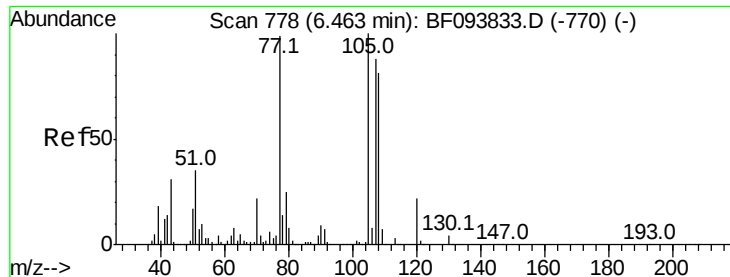
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 4.96 ng

RT: 6.43 min Scan# 773

Delta R.T. -0.03 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

Instrument :

BNA_F

ClientSampleId :

S8-0664

Tot Ion:105 Resp: 75529

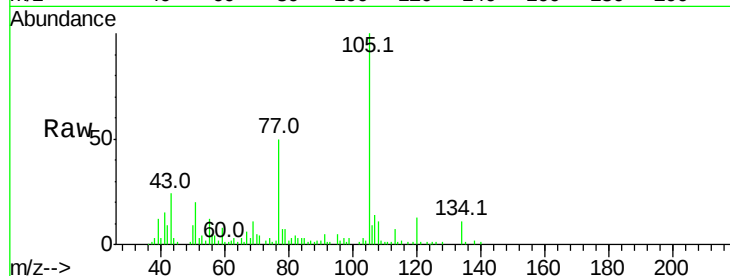
Ion Ratio Lower Upper

105 100

71 3.5 2.8 4.2

51 19.5 30.7 46.1#

120 13.4 17.4 26.0#

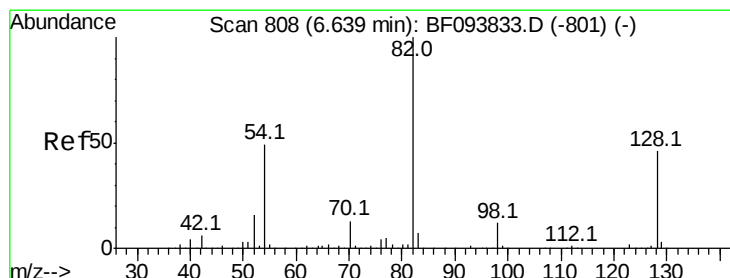
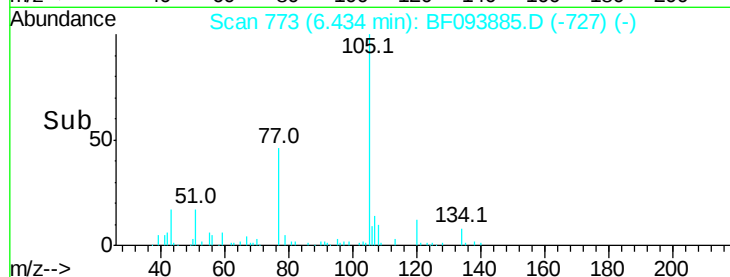
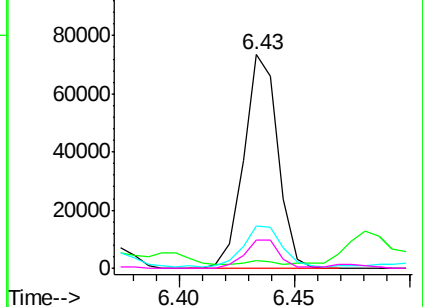


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 65.38 ng

RT: 6.62 min Scan# 805

Delta R.T. -0.02 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

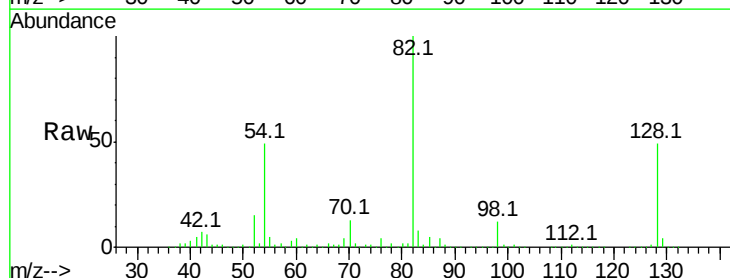
Tgt Ion: 82 Resp: 783102

Ion Ratio Lower Upper

82 100

128 48.5 34.0 51.0

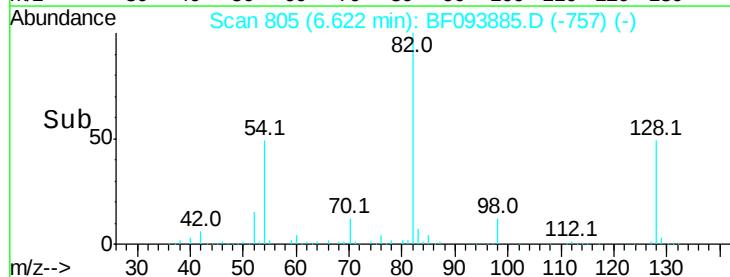
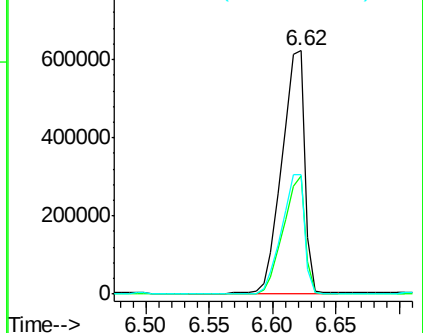
54 49.0 42.2 63.2

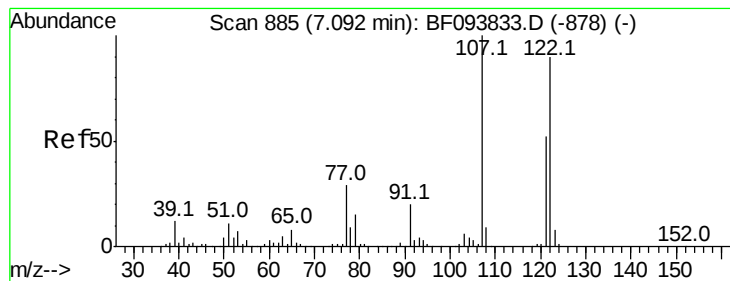


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 4.42 ng

RT: 7.08 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

Instrument :

BNA_F

ClientSampleId :

S8-0664

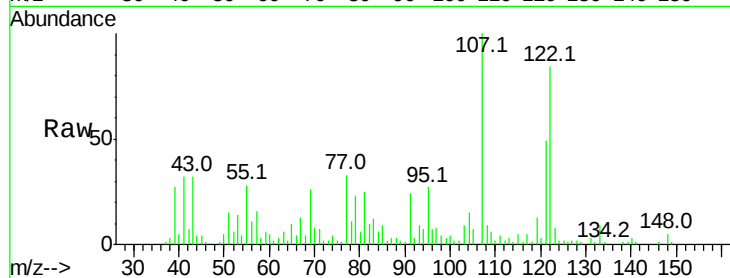
Tot Ion:122 Resp: 42930

Ion Ratio Lower Upper

122 100

107 118.8 89.2 133.8

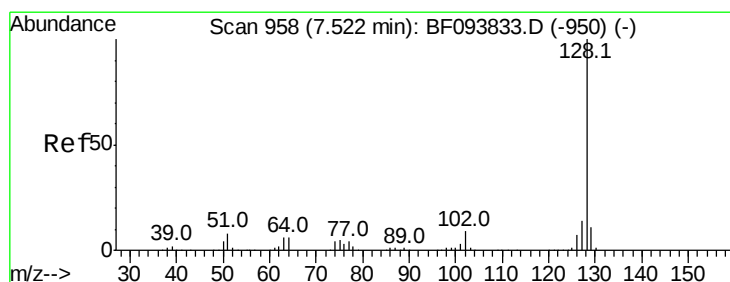
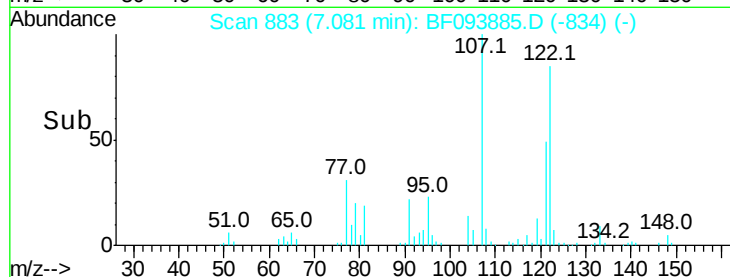
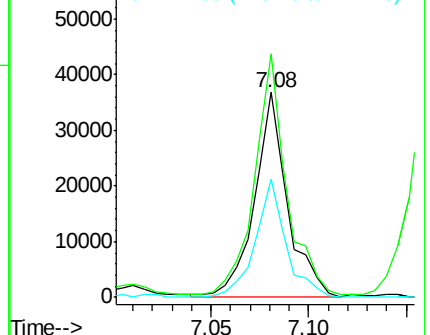
121 57.7 45.2 67.8



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



#31

Naphthalene

Concen: 8.94 ng

RT: 7.50 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

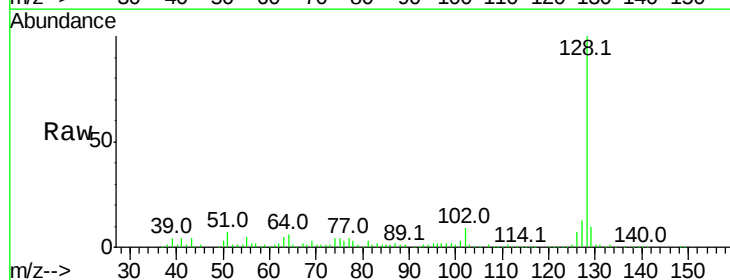
Tgt Ion:128 Resp: 293735

Ion Ratio Lower Upper

128 100

129 10.3 9.0 13.6

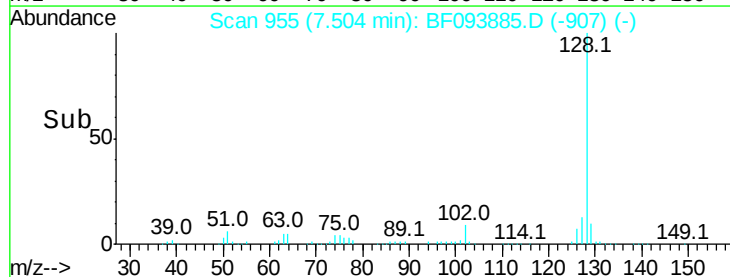
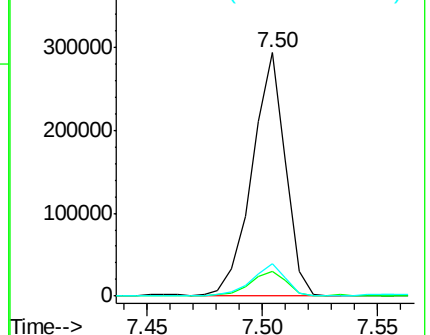
127 13.4 10.8 16.2

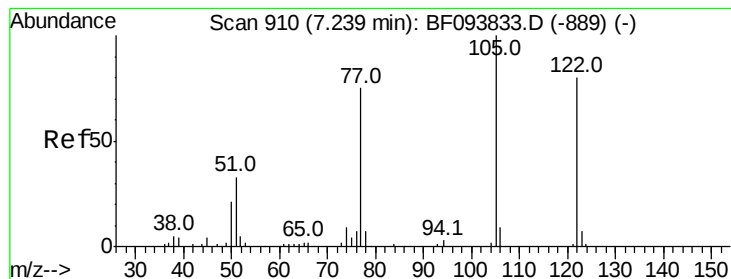


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 2.40 ng

RT: 7.24 min Scan# 910

Delta R.T. 0.00 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

Instrument :

BNA_F

ClientSampleId :

S8-0664

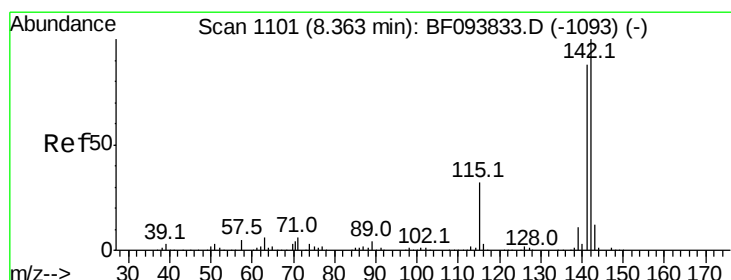
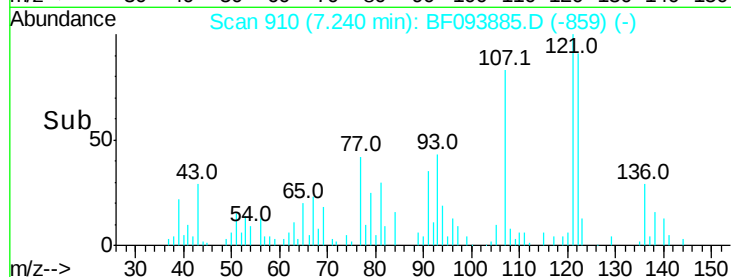
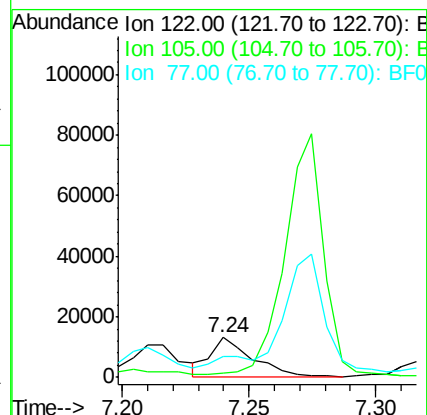
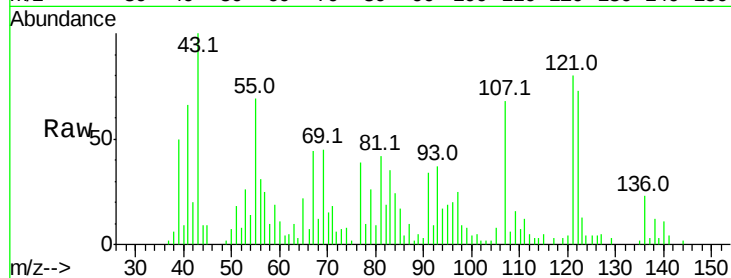
Tot Ion:122 Resp: 15506

Ion Ratio Lower Upper

122 100

105 11.5 103.3 143.3#

77 54.1 73.7 113.7#



#37

2-Methylnaphthalene

Concen: 4.06 ng

RT: 8.35 min Scan# 1098

Delta R.T. -0.02 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

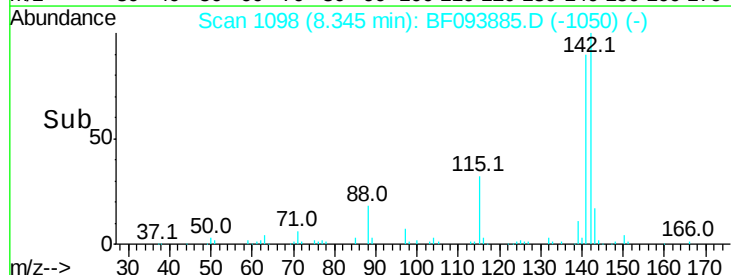
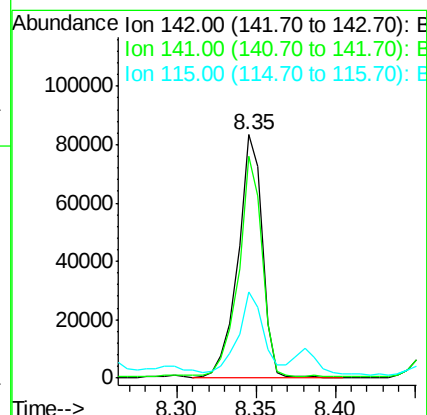
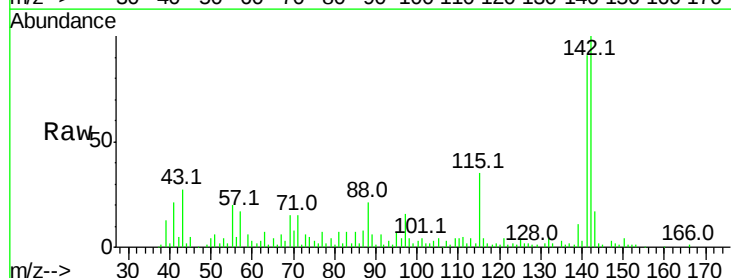
Tgt Ion:142 Resp: 88991

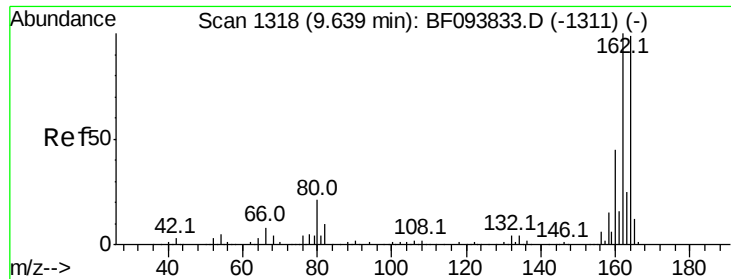
Ion Ratio Lower Upper

142 100

141 91.0 71.3 106.9

115 35.5 27.1 40.7

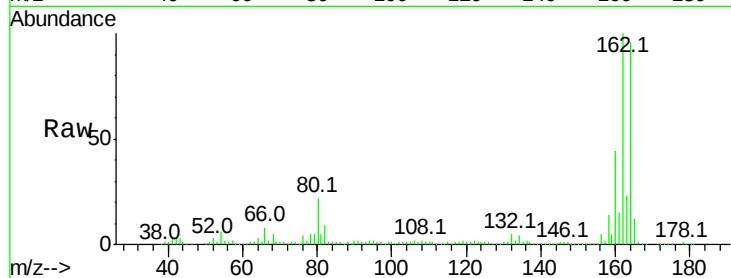




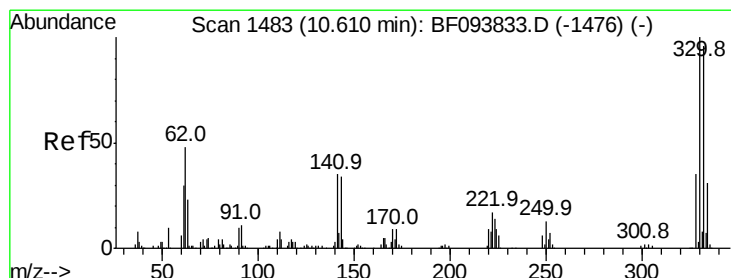
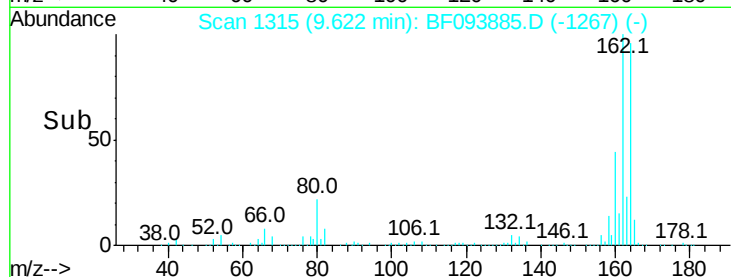
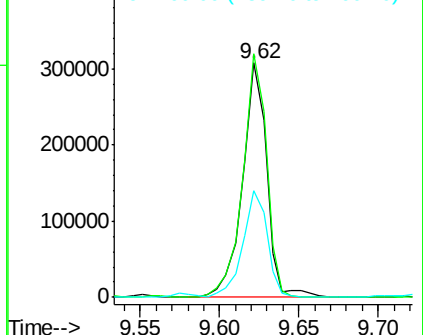
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 1315
 Delta R.T. -0.02 min
 Lab File: BF093885.D
 Acq: 23 Mar 2017 18:09

Instrument :
 BNA_F
 ClientSampleId :
 S8-0664

Tot Ion:164 Resp: 323223
 Ion Ratio Lower Upper
 164 100
 162 103.8 82.6 123.8
 160 45.6 36.2 54.2

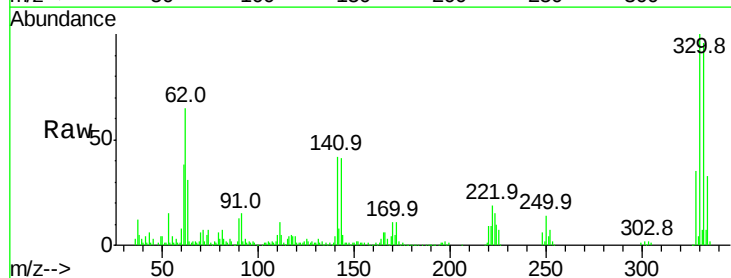


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

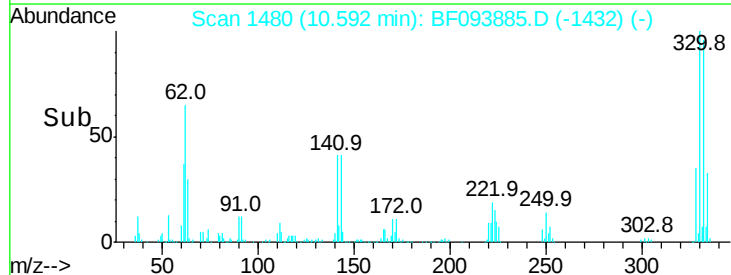
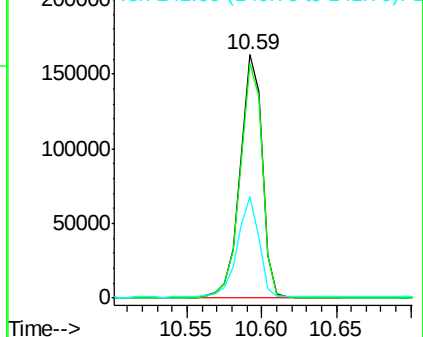


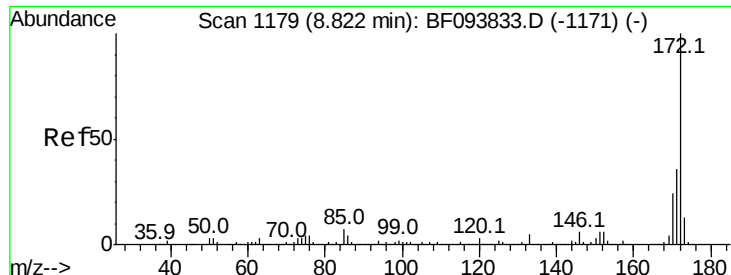
#41
 2,4,6-Tribromophenol
 Concen: 65.65 ng
 RT: 10.59 min Scan# 1480
 Delta R.T. -0.02 min
 Lab File: BF093885.D
 Acq: 23 Mar 2017 18:09

Tgt Ion:330 Resp: 167680
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 40.5 31.4 47.2



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

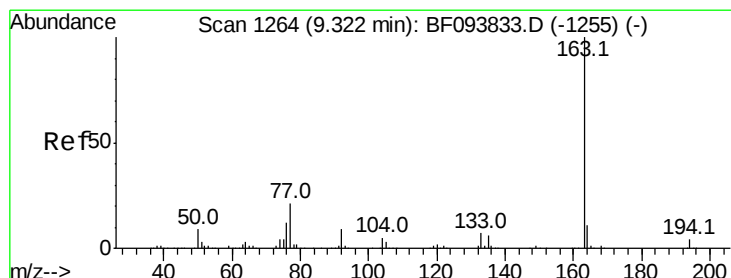
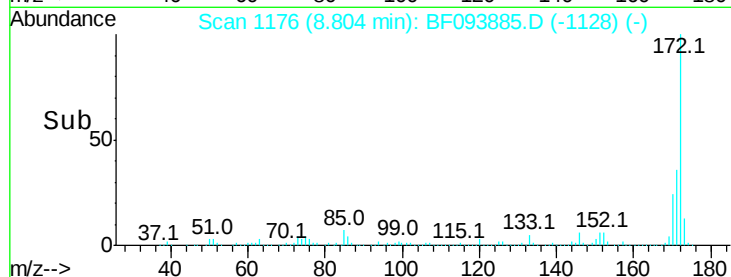
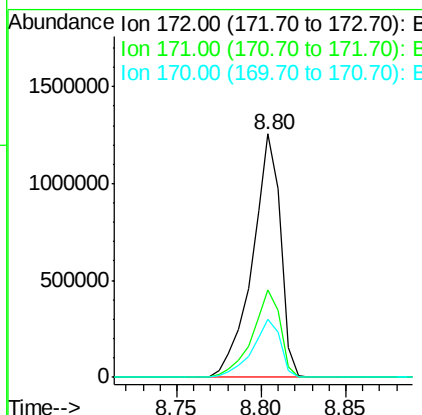
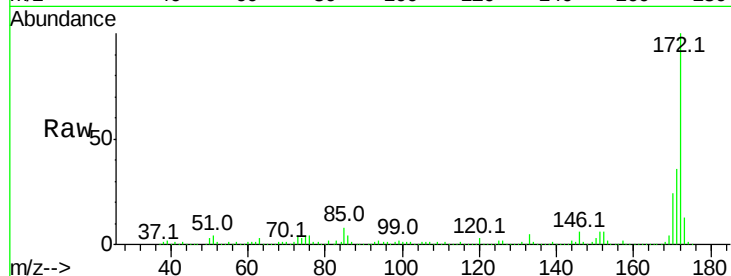




#44
2-Fluorobiphenyl
Concen: 68.60 ng
RT: 8.80 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF093885.D
Acq: 23 Mar 2017 18:09

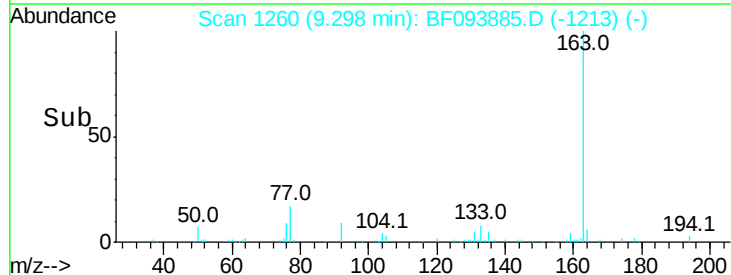
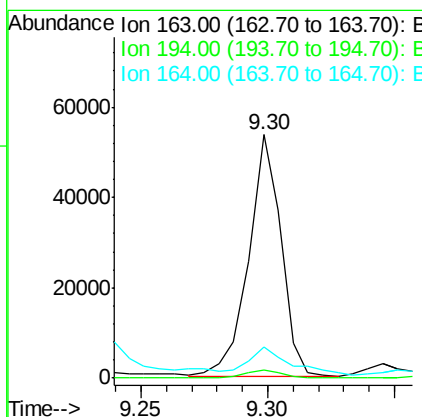
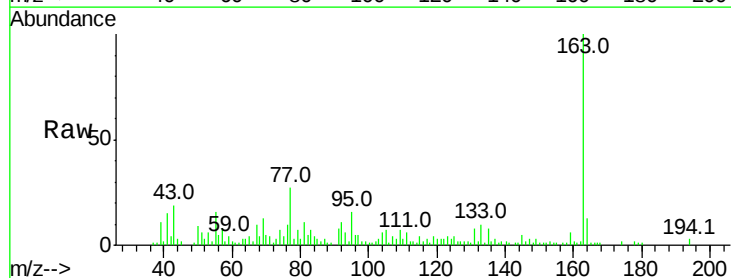
Instrument :
BNA_F
ClientSampleId :
S8-0664

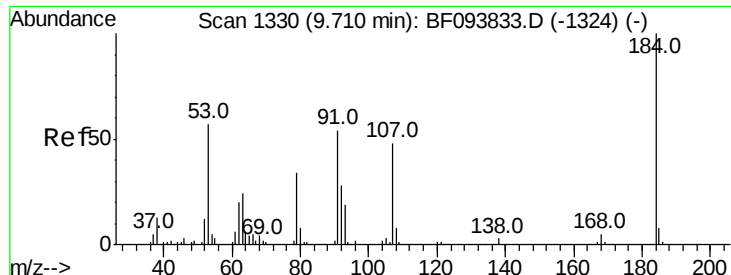
Tot Ion:172 Resp: 1453709
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.7 19.8 29.8



#49
Dimethylphthalate
Concen: 2.06 ng
RT: 9.30 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF093885.D
Acq: 23 Mar 2017 18:09

Tgt Ion:163 Resp: 47395
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 12.6 8.4 12.6

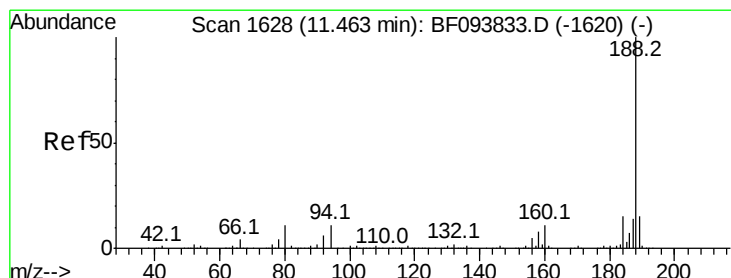
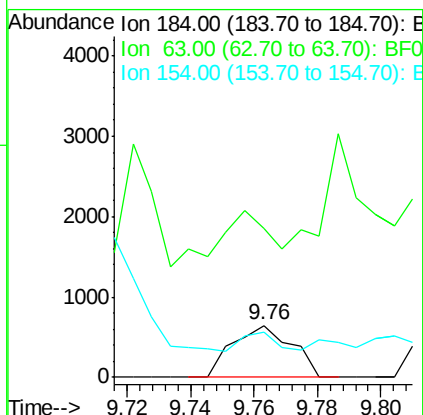
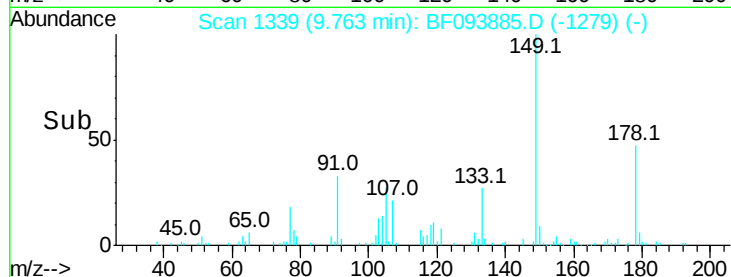
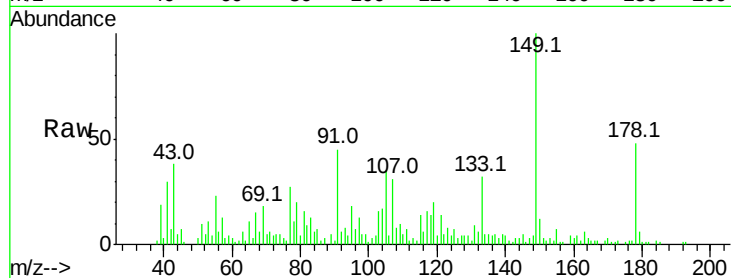




#53
 2,4-Dinitrophenol
 Concen: 4.94 ng
 RT: 9.76 min Scan# 1339
 Delta R.T. 0.05 min
 Lab File: BF093885.D
 Acq: 23 Mar 2017 18:09

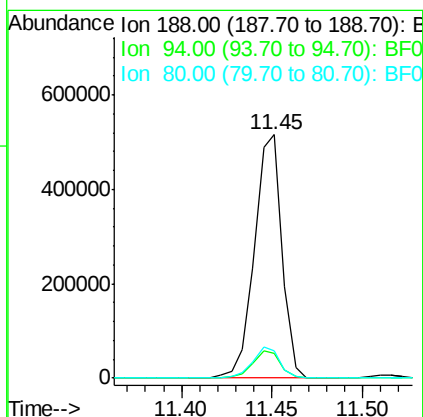
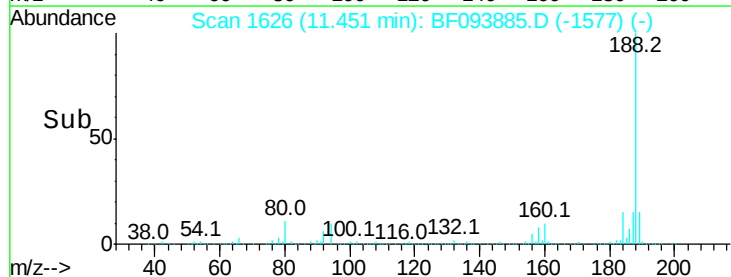
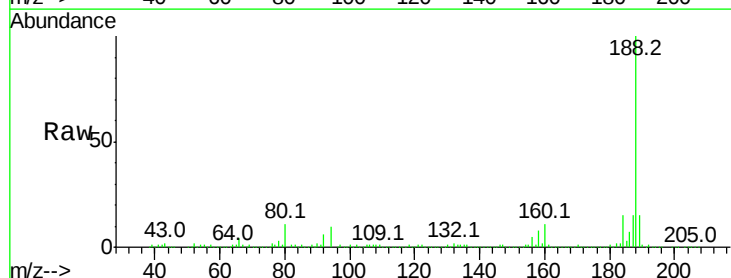
Instrument :
 BNA_F
 ClientSampleId :
 S8-0664

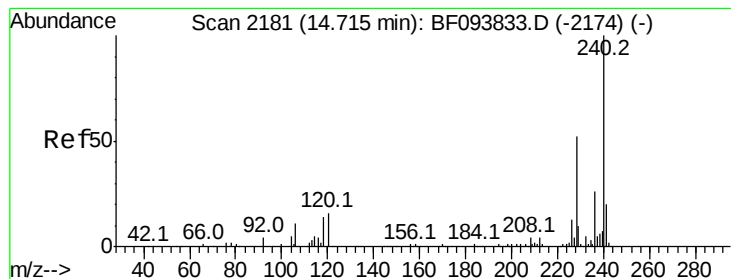
Tot Ion:184 Resp: 827
 Ion Ratio Lower Upper
 184 100
 63 284.6 62.7 94.1#
 154 86.2 81.1 121.7



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 1626
 Delta R.T. -0.01 min
 Lab File: BF093885.D
 Acq: 23 Mar 2017 18:09

Tgt Ion:188 Resp: 541683
 Ion Ratio Lower Upper
 188 100
 94 10.2 9.4 14.2
 80 11.0 10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.70 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

Instrument :

BNA_F

ClientSampleId :

S8-0664

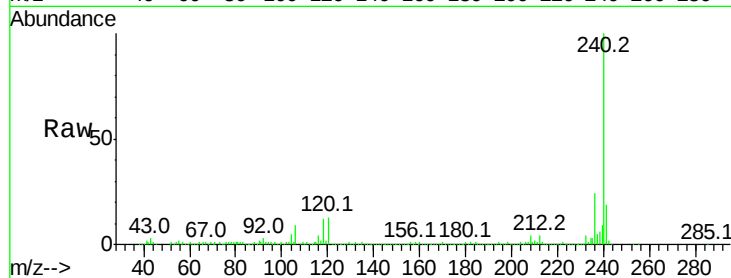
Tot Ion:240 Resp: 359004

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

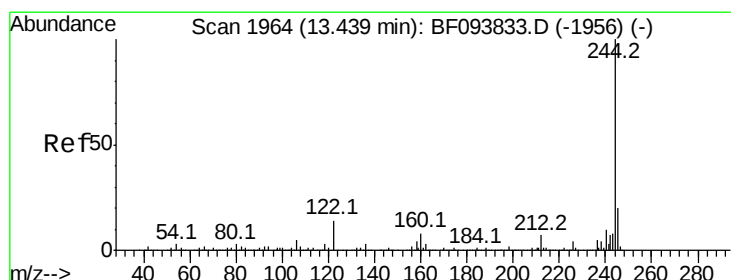
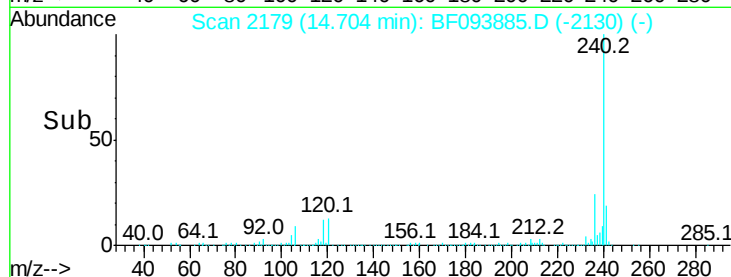
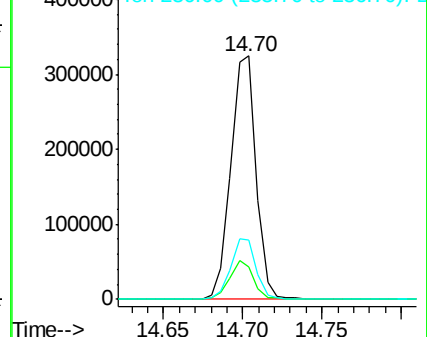
236 24.5 20.5 30.7



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: 60.04 ng

RT: 13.43 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BF093885.D

Acq: 23 Mar 2017 18:09

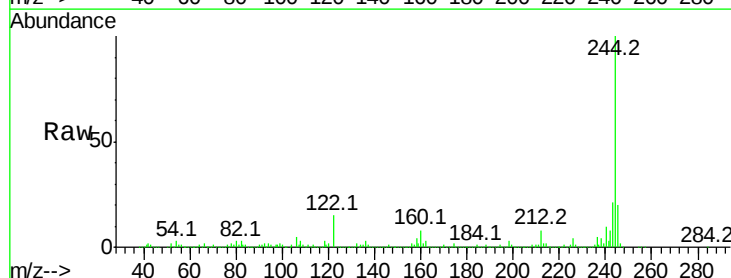
Tgt Ion:244 Resp: 961672

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

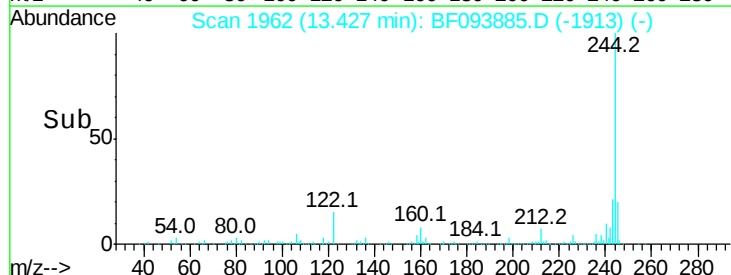
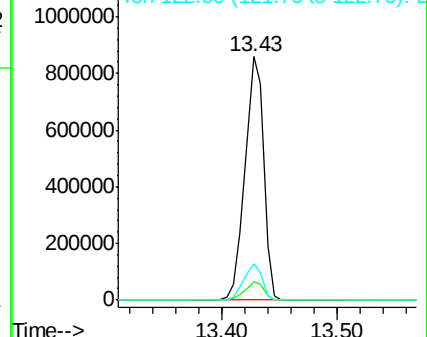
122 15.1 10.3 15.5

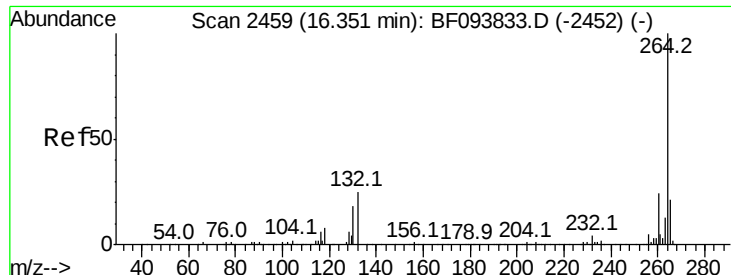


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

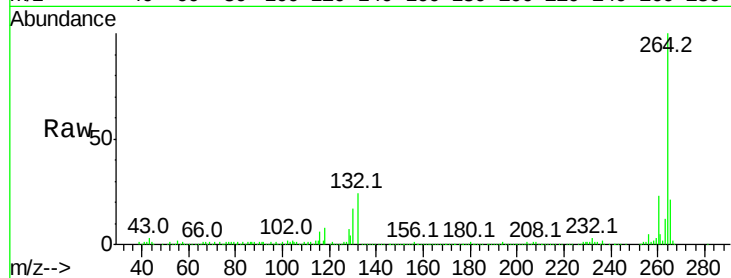




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.34 min Scan# 2457
 Delta R.T. -0.01 min
 Lab File: BF093885.D
 Acq: 23 Mar 2017 18:09

Instrument :
 BNA_F
 ClientSampleId :
 S8-0664

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	20.7	17.2	25.8



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

