

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032817\
 Data File : BF093996.D
 Acq On : 28 Mar 2017 16:54
 Operator : SJ/MA
 Sample : I2362-04RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 02:35:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

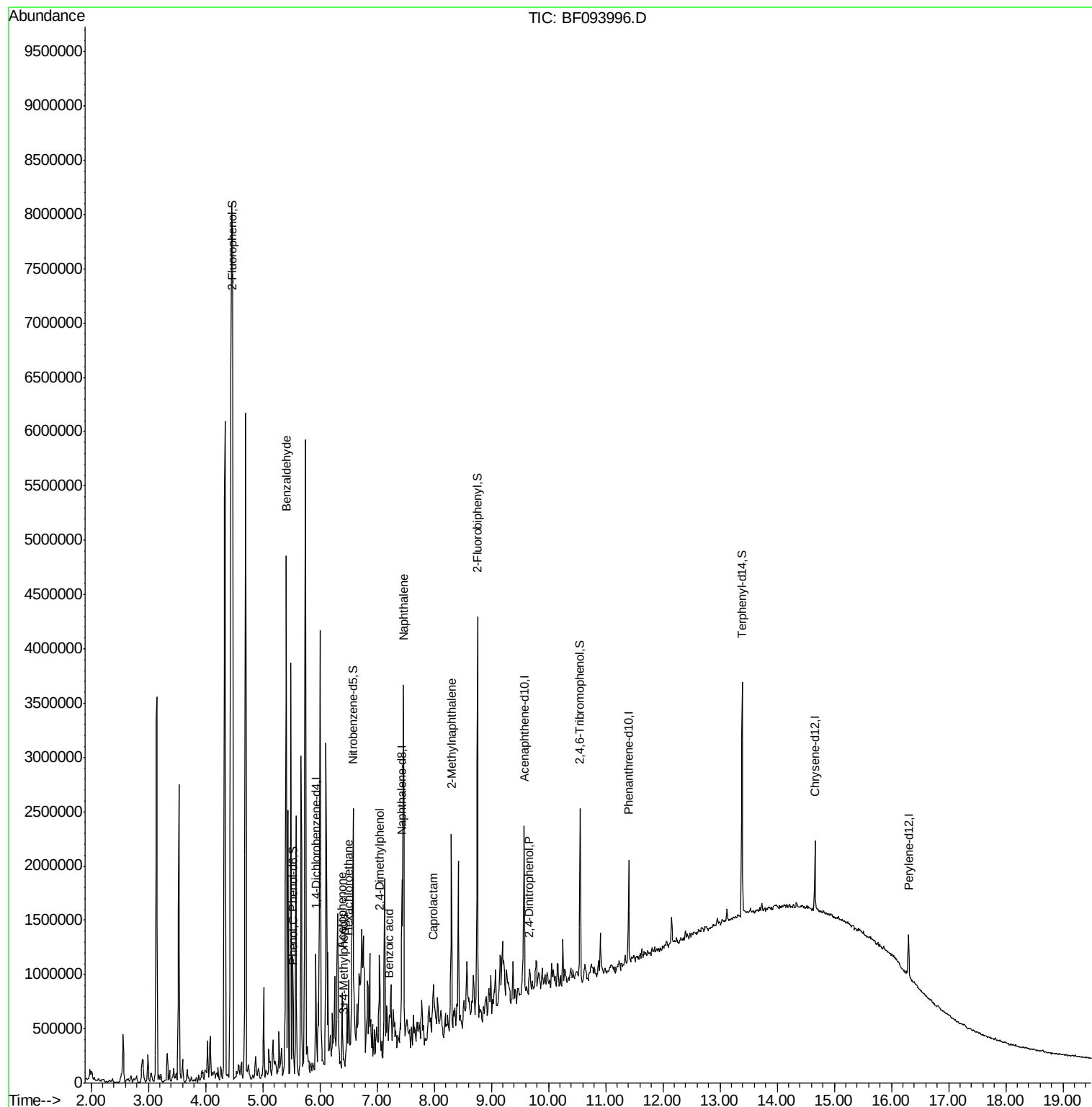
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	165927	20.00	ng	-0.02
21) Naphthalene-d8	7.43	136	629916	20.00	ng	-0.02
38) Acenaphthene-d10	9.57	164	246637	20.00	ng	-0.02
63) Phenanthrene-d10	11.40	188	411879	20.00	ng	-0.02
75) Chrysene-d12	14.66	240	278335	20.00	ng	-0.02
86) Perylene-d12	16.30	264	152568	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	226068	23.01	ng	-0.01
7) Phenol-d6	5.53	99	386767	31.82	ng	-0.02
23) Nitrobenzene-d5	6.58	82	877846	79.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	264376	135.65	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	1512394	93.53	ng	-0.02
78) Terphenyl-d14	13.39	244	943545	75.99	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	5.41	77	239235	29.15	ng	# 1
10) Phenol	5.54	94	34178	2.47	ng	88
18) Hexachloroethane	6.50	117	22681	5.26	ng	# 1
20) 3+4-Methylphenols	6.42	107	29572	2.64	ng	# 62
22) Acetophenone	6.39	105	232931	16.59	ng	# 52
27) 2,4-Dimethylphenol	7.05	122	121559	13.59	ng	97
31) Naphthalene	7.46	128	1670240	55.14	ng	100
32) Benzoic acid	7.20	122	23074	3.87	ng	# 68
35) Caprolactam	7.99	113	18892	7.08	ng	# 1
37) 2-Methylnaphthalene	8.30	142	570495	28.26	ng	98
53) 2,4-Dinitrophenol	9.65	184	202	4.75	ng	# 1

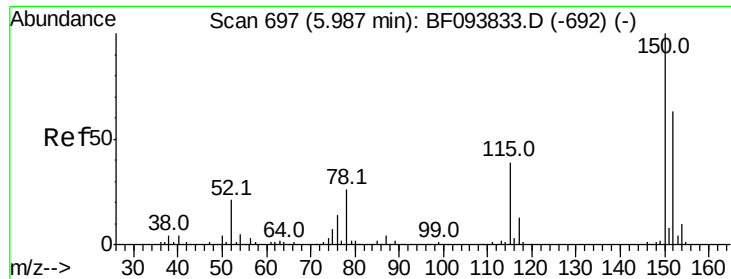
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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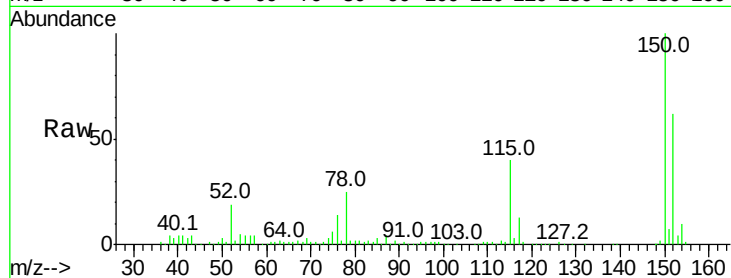


#1

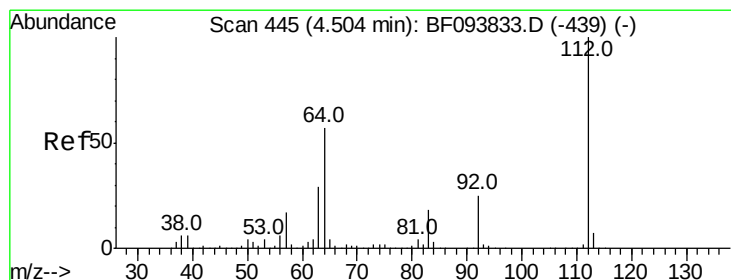
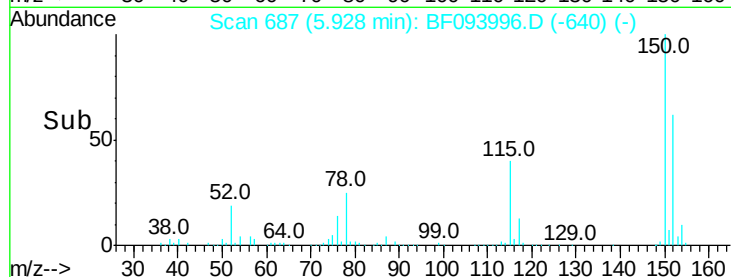
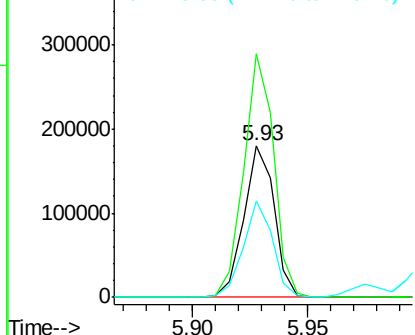
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.93 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF093996.D
Acq: 28 Mar 2017 16:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 165927
Ion Ratio Lower Upper
152 100
150 160.1 126.2 189.2
115 63.7 52.2 78.2



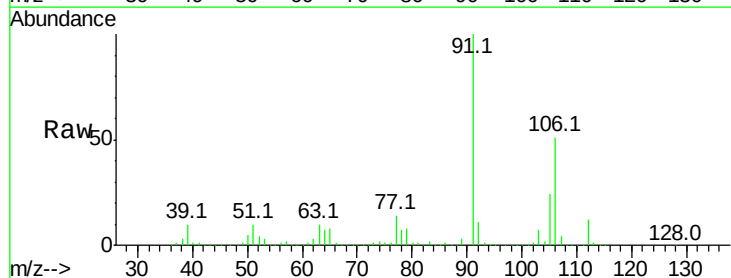
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



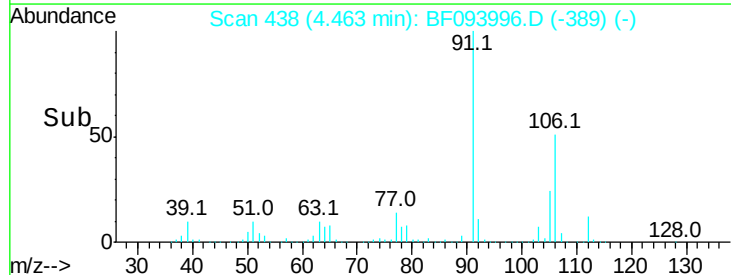
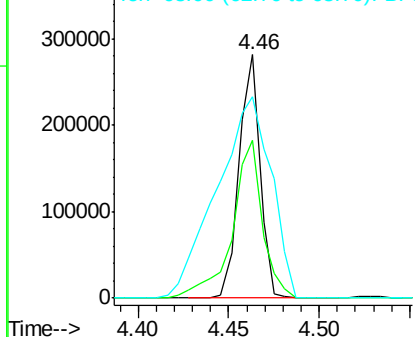
#5

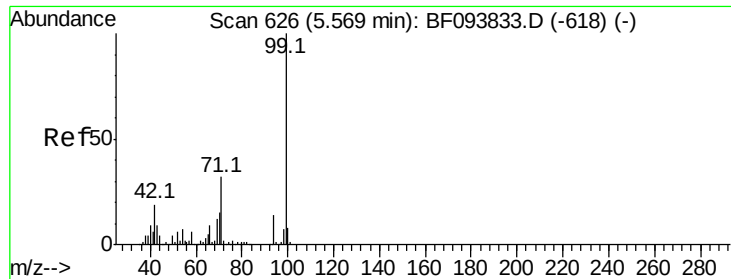
2-Fluorophenol
Concen: 23.01 ng
RT: 4.46 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF093996.D
Acq: 28 Mar 2017 16:54

Tgt Ion:112 Resp: 226068
Ion Ratio Lower Upper
112 100
64 64.7 46.0 69.0
63 82.8 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: 31.82 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

Instrument :

BNA_F

ClientSampled :

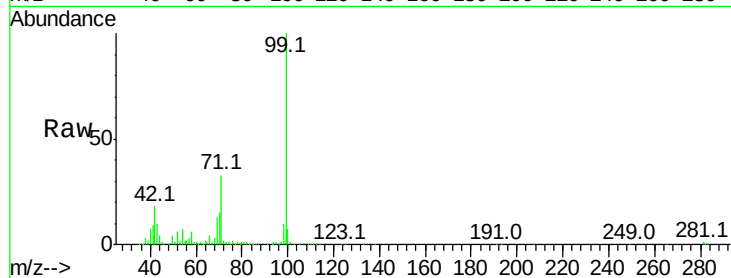
Tot Ion: 99 Resp: 386767

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

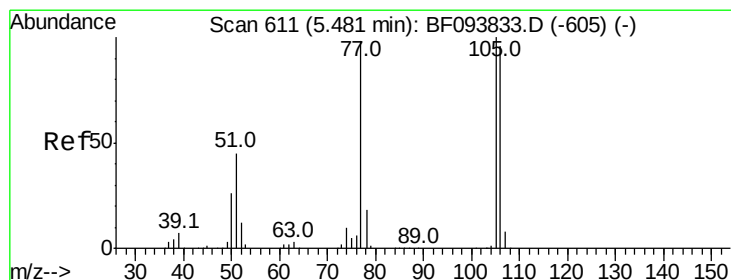
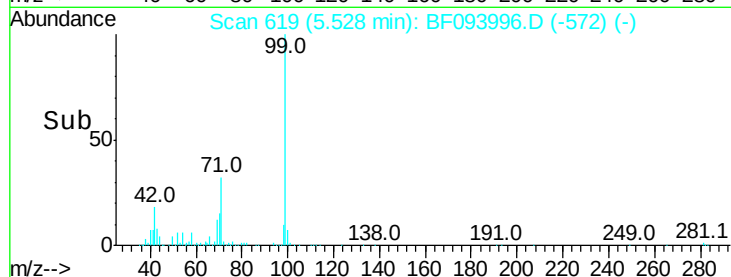
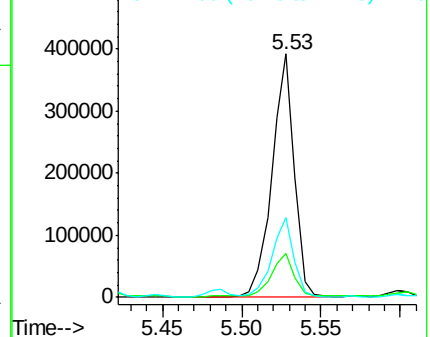
71 32.5 24.5 36.7



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



#9

Benzaldehyde

Concen: 29.15 ng

RT: 5.41 min Scan# 599

Delta R.T. -0.04 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

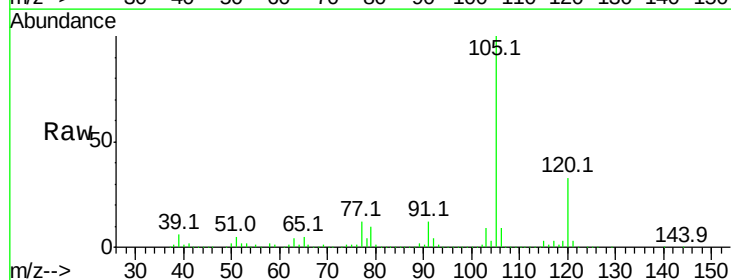
Tgt Ion: 77 Resp: 239235

Ion Ratio Lower Upper

77 100

105 838.2 83.8 123.8#

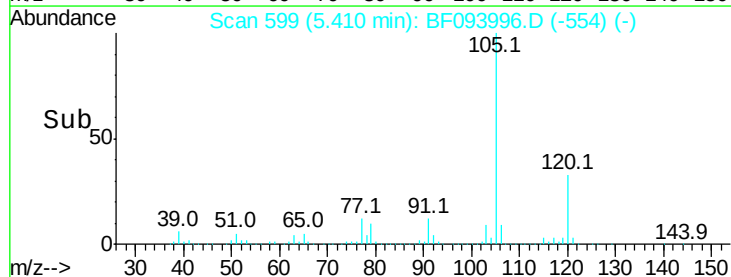
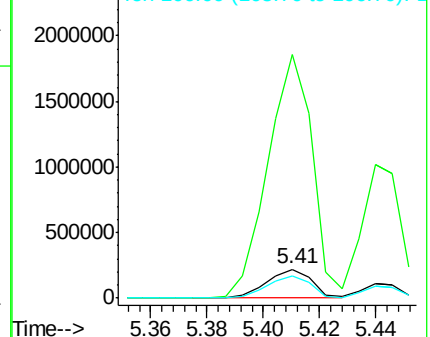
106 77.2 79.1 119.1#

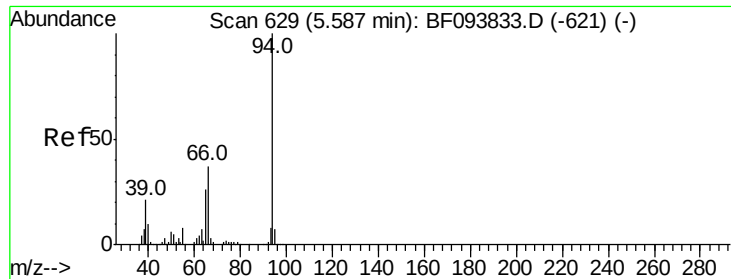


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.47 ng

RT: 5.54 min Scan# 621

Delta R.T. -0.02 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

Instrument :

BNA_F

ClientSampleId :

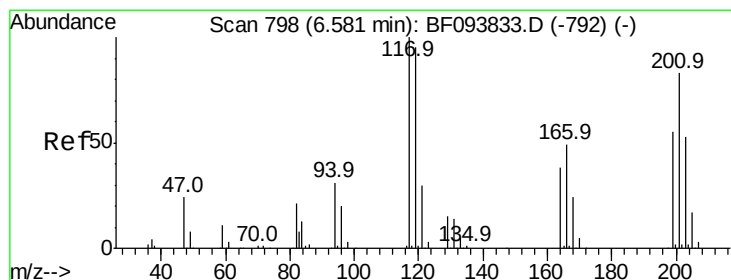
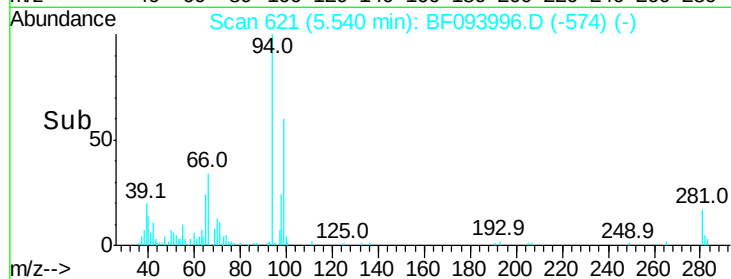
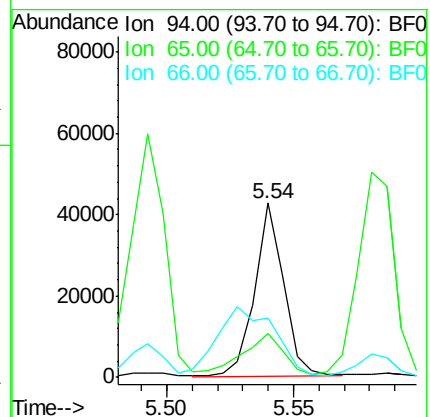
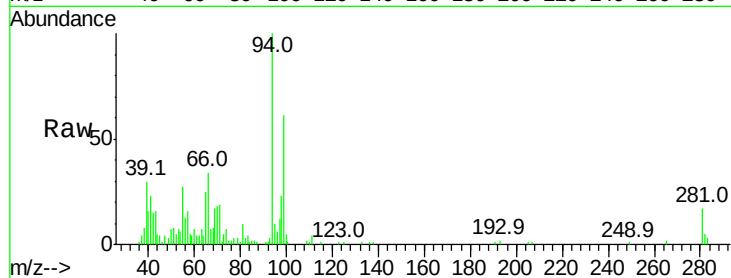
Tot Ion: 94 Resp: 34178

Ion Ratio Lower Upper

94 100

65 25.3 9.9 49.9

66 34.4 23.1 63.1



#18

Hexachloroethane

Concen: 5.26 ng

RT: 6.50 min Scan# 785

Delta R.T. -0.04 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

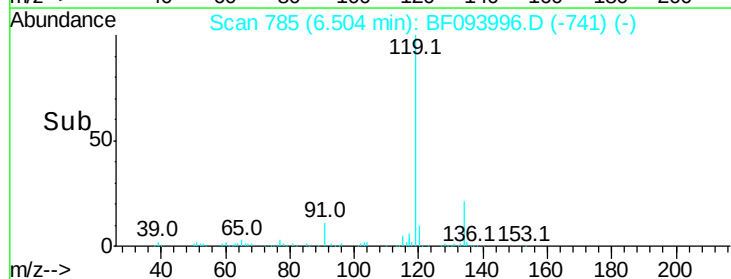
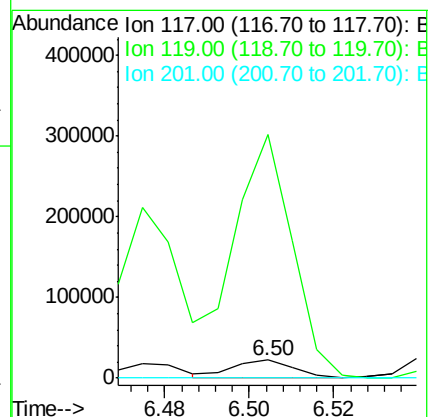
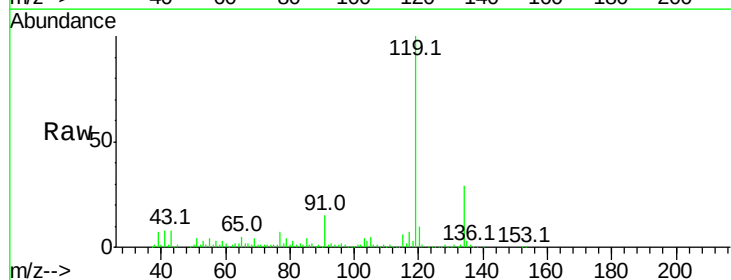
Tgt Ion: 117 Resp: 22681

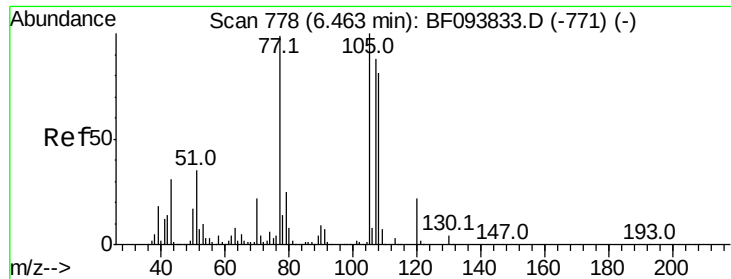
Ion Ratio Lower Upper

117 100

119 1348.9 77.4 116.0#

201 0.0 94.6 141.8#





#20

3+4-Methylphenols

Concen: 2.64 ng

RT: 6.42 min Scan# 770

Delta R.T. -0.02 min

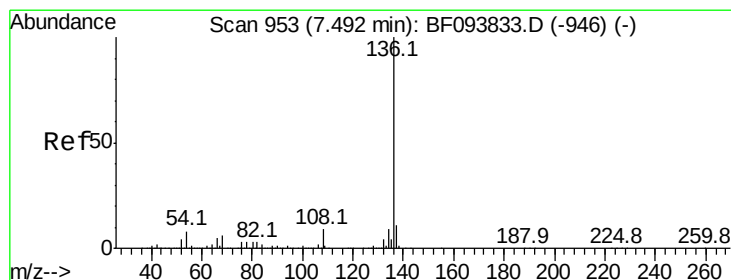
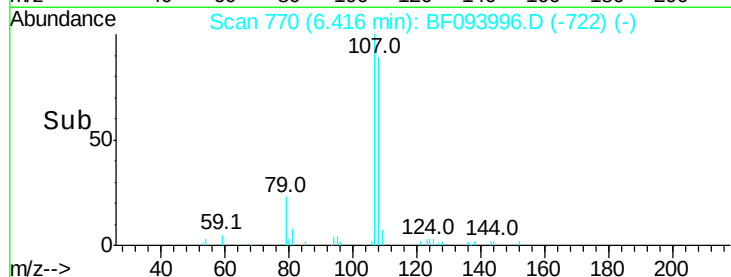
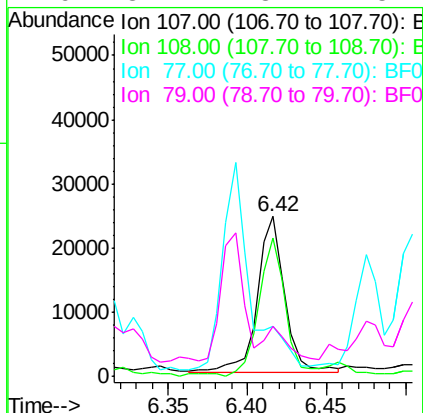
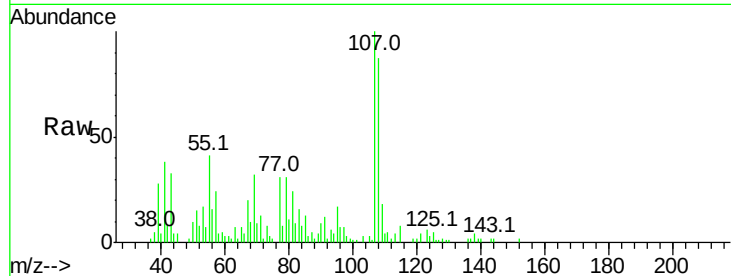
Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:107 Resp: 29572

Ion	Ratio	Lower	Upper
107	100		
108	86.5	71.0	111.0
77	31.3	90.5	130.5#
79	31.2	8.4	48.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.43 min Scan# 943

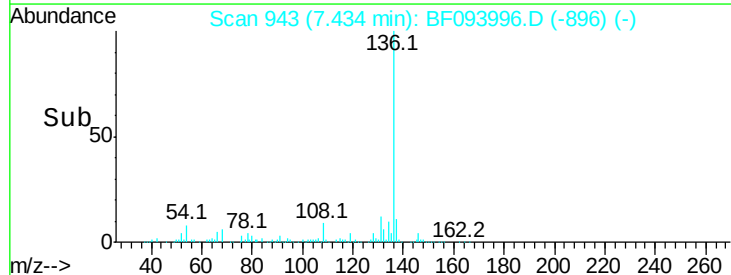
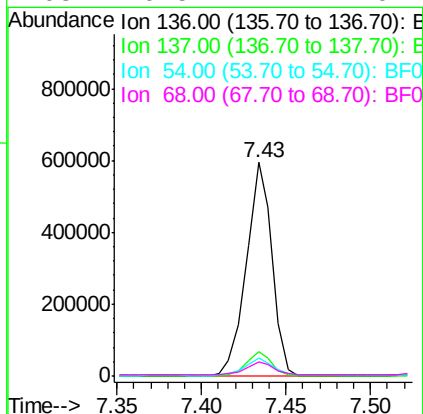
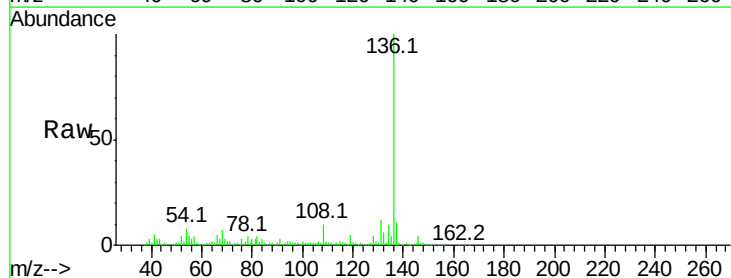
Delta R.T. -0.02 min

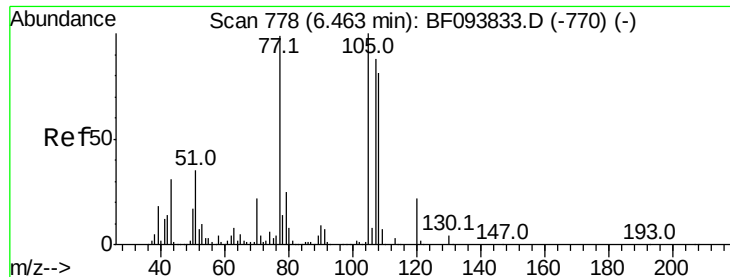
Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

Tgt Ion:136 Resp: 629916

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	8.3	4.9	7.3#
68	6.5	4.1	6.1#





#22

Acetophenone

Concen: 16.59 ng

RT: 6.39 min Scan# 766

Delta R.T. -0.04 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 232931

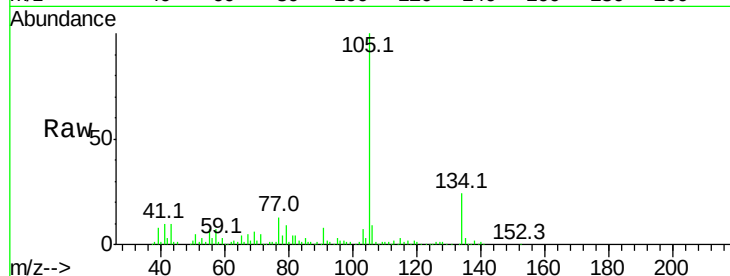
Ion Ratio Lower Upper

105 100

71 4.8 2.8 4.2#

51 4.9 30.7 46.1#

120 1.0 17.4 26.0#

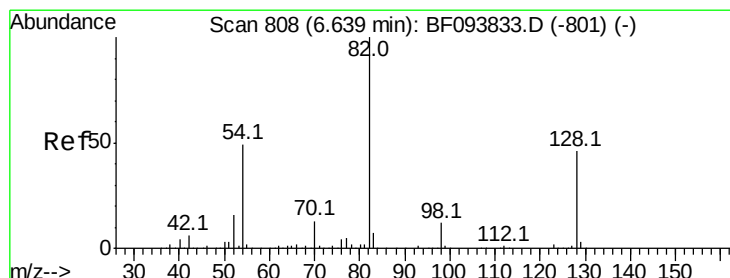
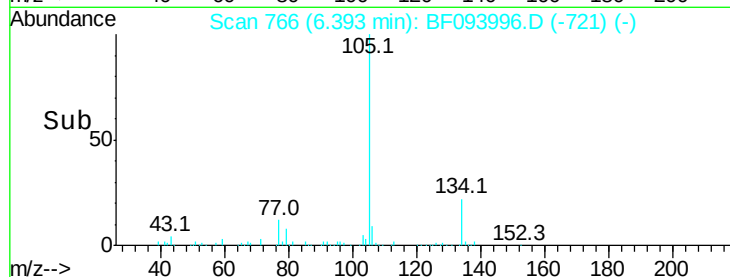
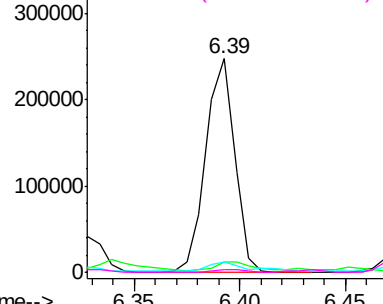


Abundance Ion 105.00 (104.70 to 105.70): E

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: 79.53 ng

RT: 6.58 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

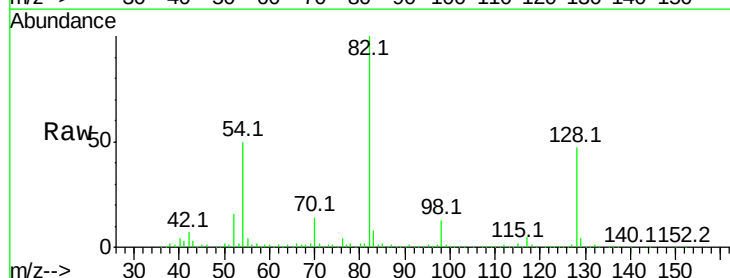
Tgt Ion: 82 Resp: 877846

Ion Ratio Lower Upper

82 100

128 46.7 34.0 51.0

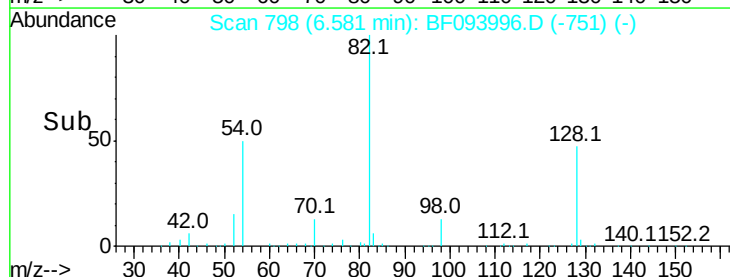
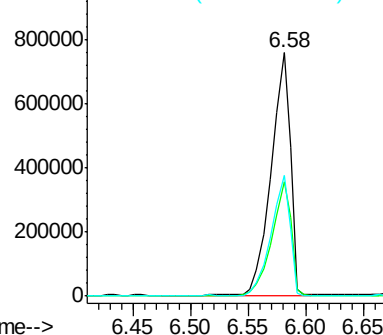
54 49.8 42.2 63.2

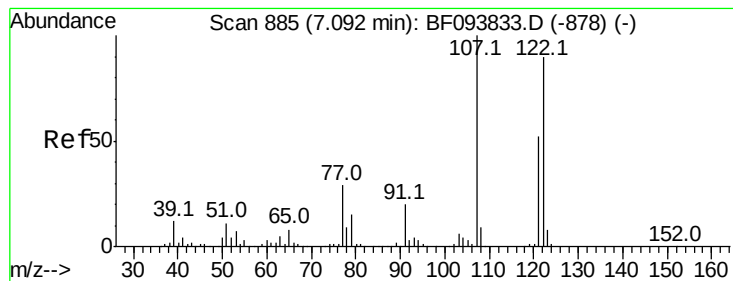


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 13.59 ng

RT: 7.05 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

Instrument :

BNA_F

ClientSampleId :

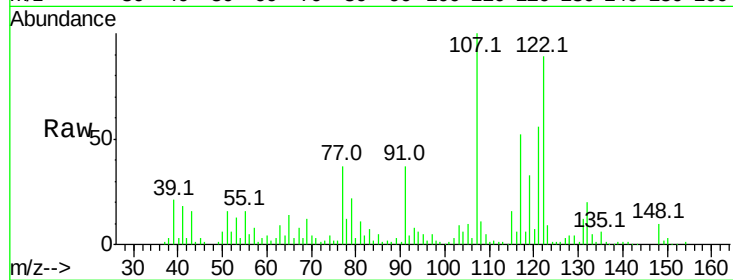
Tot Ion:122 Resp: 121559

Ion Ratio Lower Upper

122 100

107 112.1 89.2 133.8

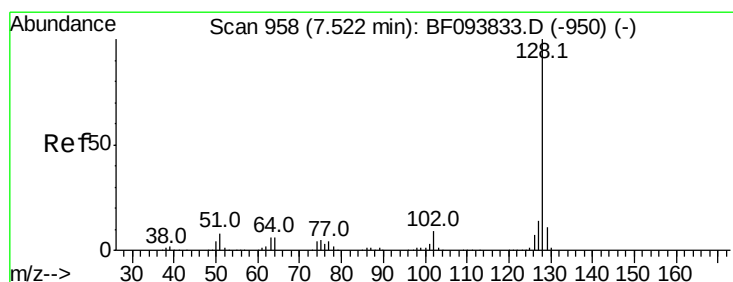
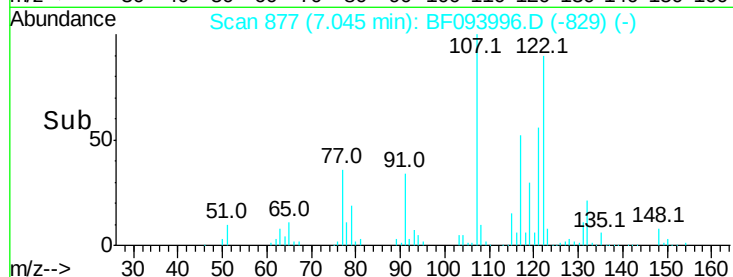
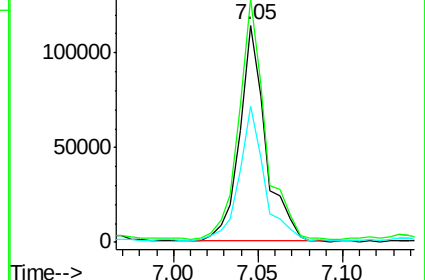
121 62.8 45.2 67.8



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: 55.14 ng

RT: 7.46 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

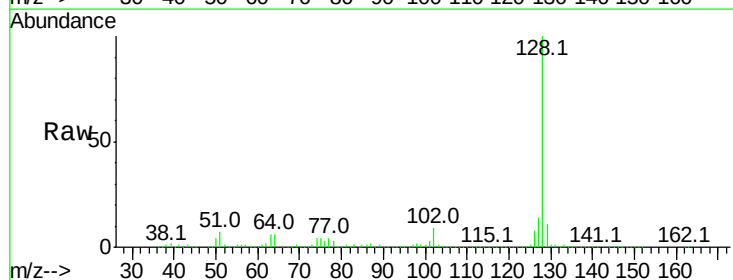
Tgt Ion:128 Resp: 1670240

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

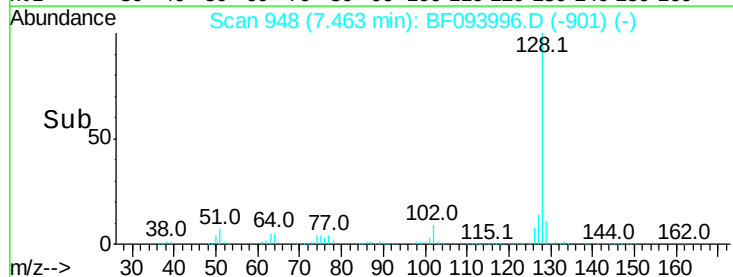
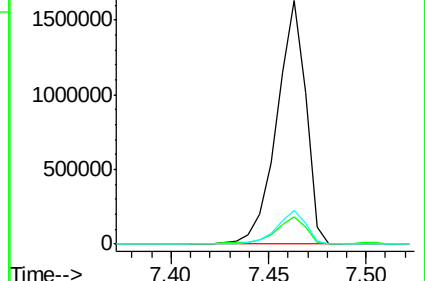
127 13.7 10.8 16.2

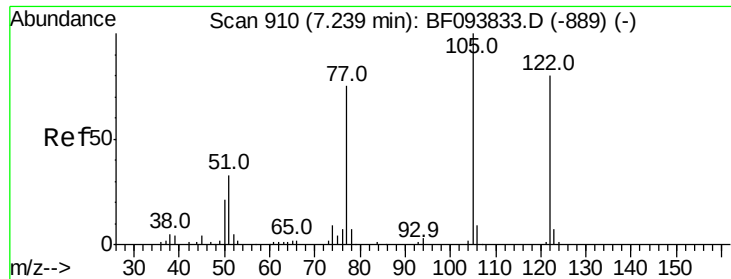


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 3.87 ng

RT: 7.20 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

Instrument :

BNA_F

ClientSampleId :

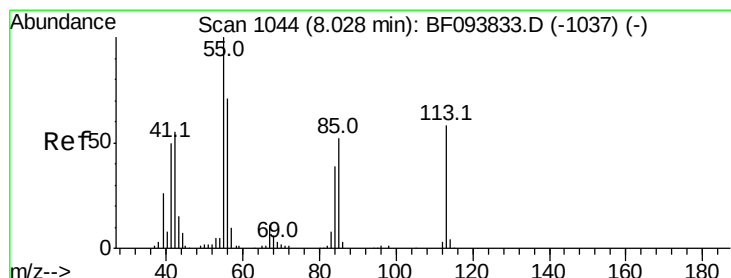
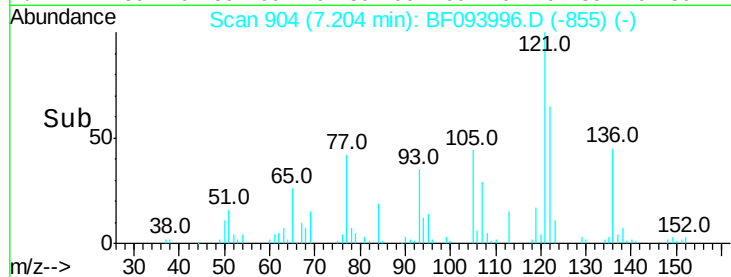
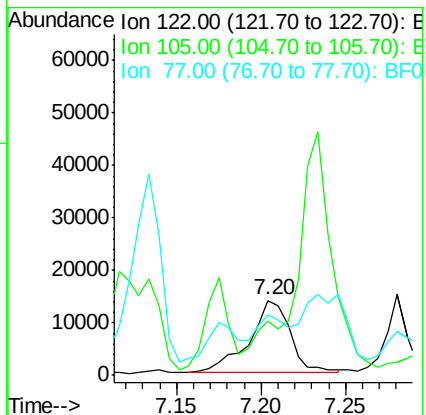
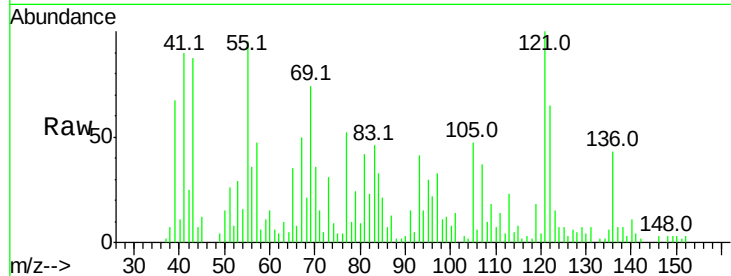
Tot Ion:122 Resp: 23074

Ion Ratio Lower Upper

122 100

105 71.8 103.3 143.3#

77 80.8 73.7 113.7



#35

Caprolactam

Concen: 7.08 ng

RT: 7.99 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

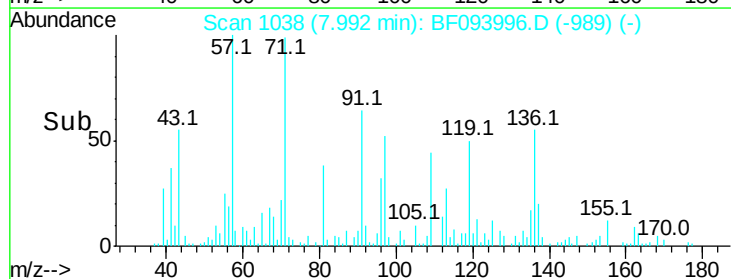
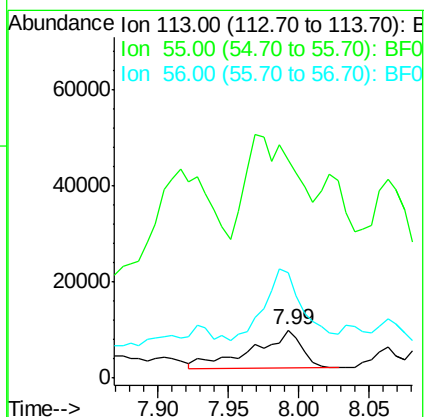
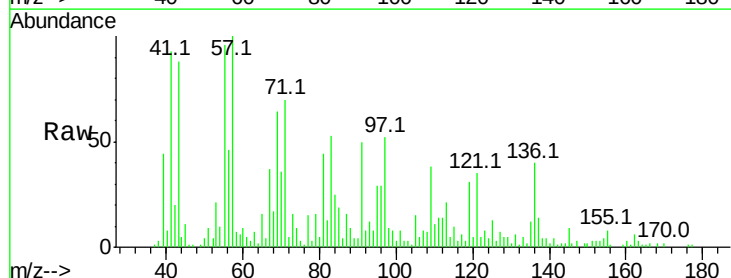
Tgt Ion:113 Resp: 18892

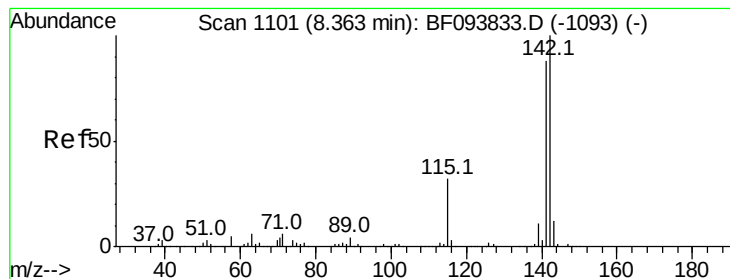
Ion Ratio Lower Upper

113 100

55 453.1 150.2 190.2#

56 218.7 107.8 147.8#





#37

2-Methylnaphthalene

Concen: 28.26 ng

RT: 8.30 min Scan# 1091

Delta R.T. -0.02 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

Instrument :

BNA_F

ClientSampleId :

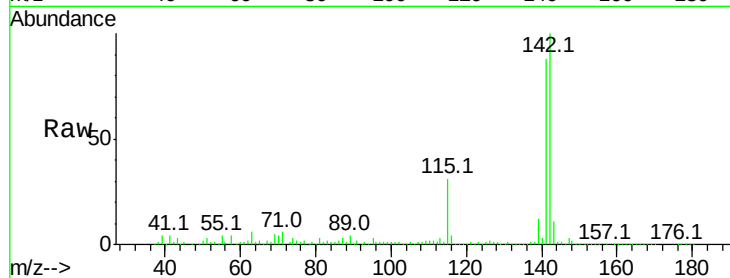
Tot Ion:142 Resp: 570495

Ion Ratio Lower Upper

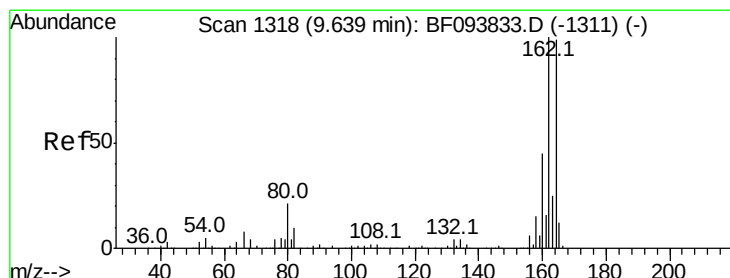
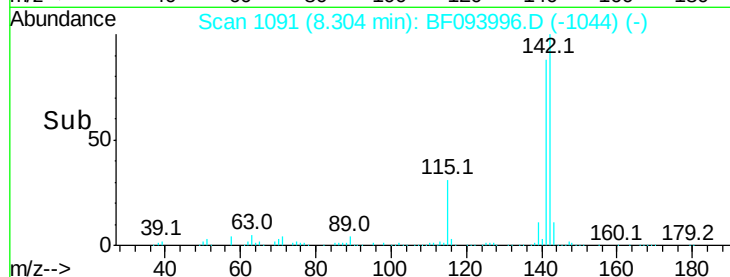
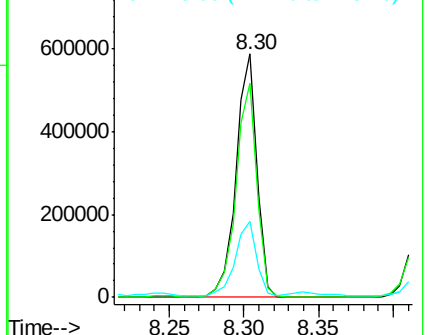
142 100

141 88.0 71.3 106.9

115 31.1 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.57 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

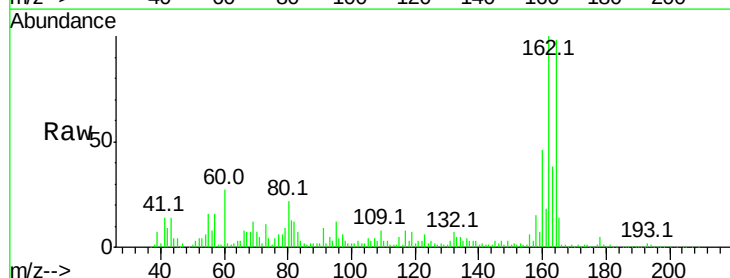
Tgt Ion:164 Resp: 246637

Ion Ratio Lower Upper

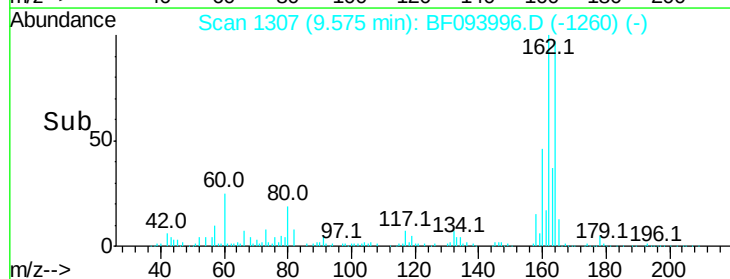
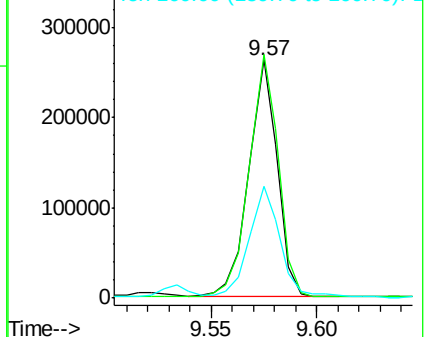
164 100

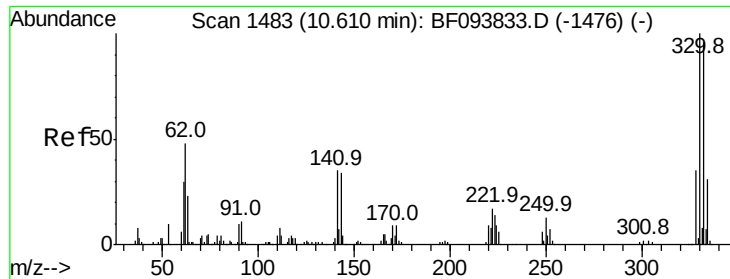
162 102.3 82.6 123.8

160 47.1 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

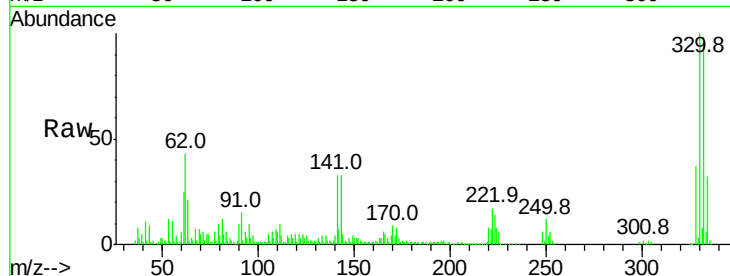




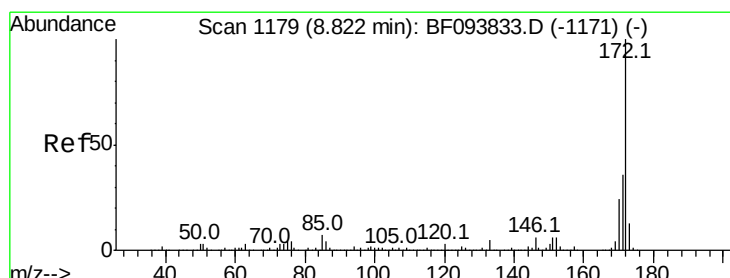
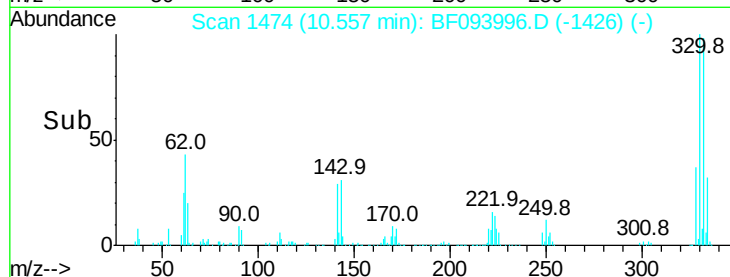
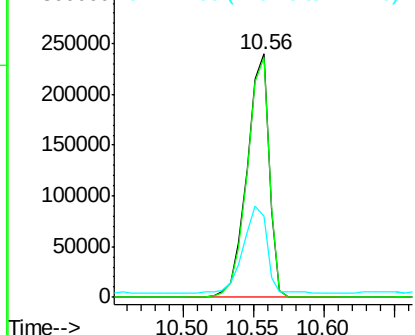
#41
 2,4,6-Tribromophenol
 Concen: 135.65 ng
 RT: 10.56 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: BF093996.D
 Acq: 28 Mar 2017 16:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 264376
 Ion Ratio Lower Upper
 330 100
 332 98.7 76.6 115.0
 141 38.7 31.4 47.2

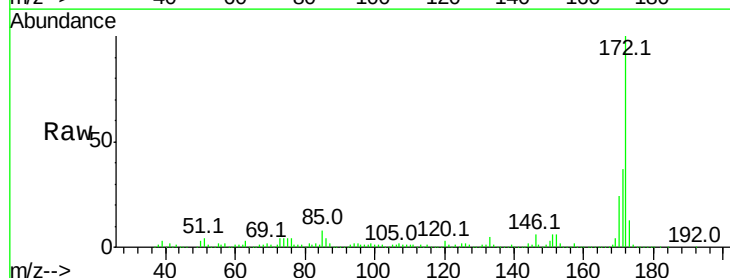


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

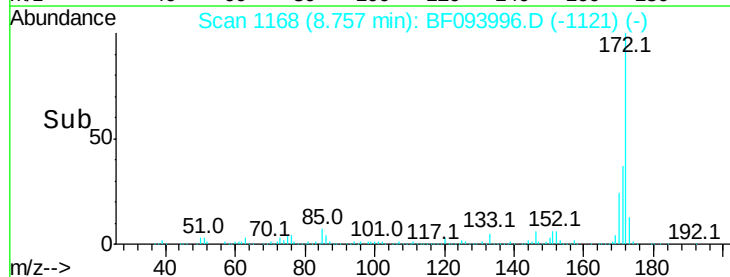
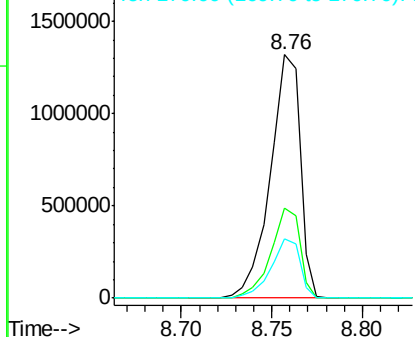


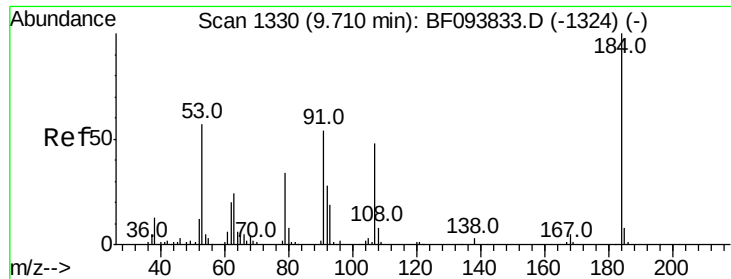
#44
 2-Fluorobiphenyl
 Concen: 93.53 ng
 RT: 8.76 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: BF093996.D
 Acq: 28 Mar 2017 16:54

Tgt Ion:172 Resp: 1512394
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 24.1 19.8 29.8



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

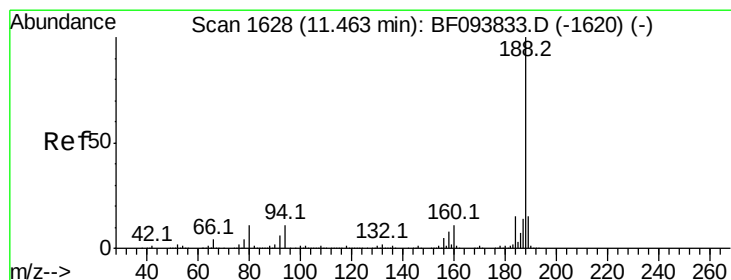
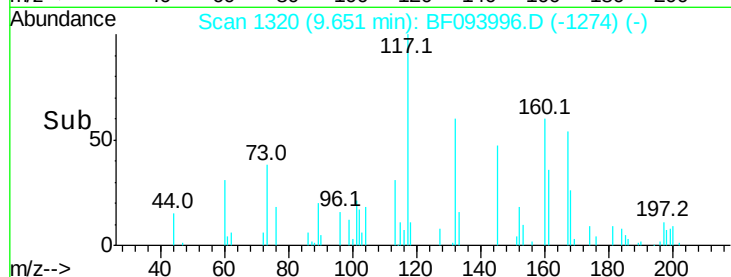
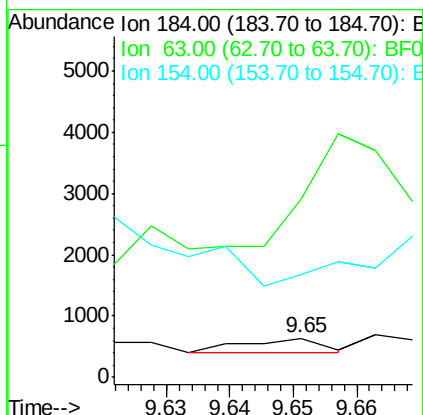
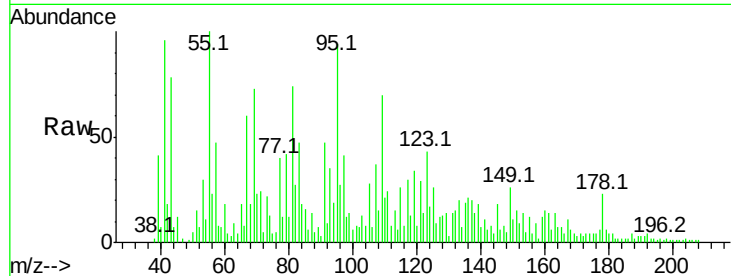




#53
 2,4-Dinitrophenol
 Concen: 4.75 ng
 RT: 9.65 min Scan# 1320
 Delta R.T. -0.03 min
 Lab File: BF093996.D
 Acq: 28 Mar 2017 16:54

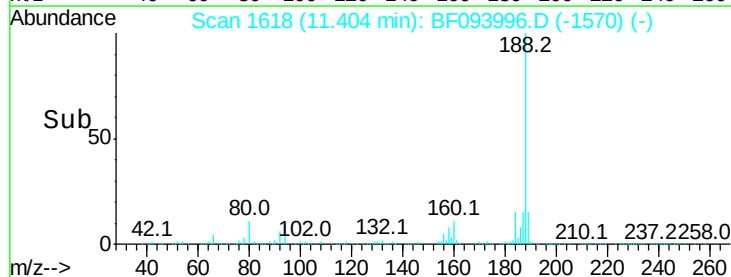
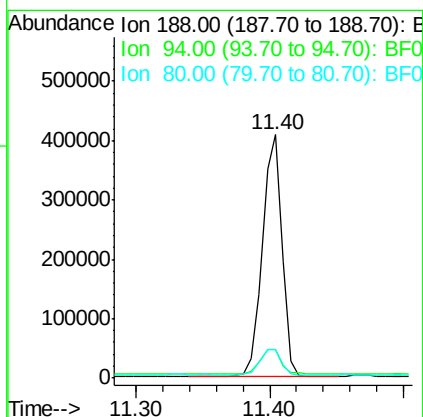
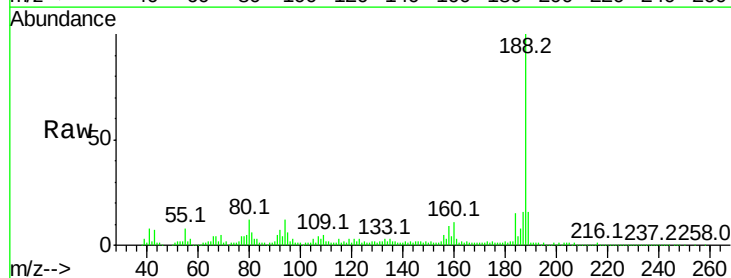
Instrument :
 BNA_F
 ClientSampleId :

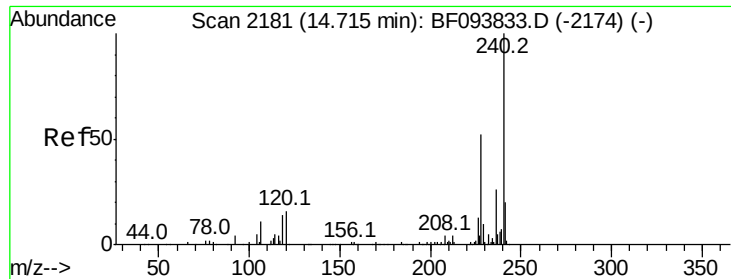
Tot Ion:184 Resp: 202
 Ion Ratio Lower Upper
 184 100
 63 454.4 62.7 94.1#
 154 263.8 81.1 121.7#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1618
 Delta R.T. -0.02 min
 Lab File: BF093996.D
 Acq: 28 Mar 2017 16:54

Tgt Ion:188 Resp: 411879
 Ion Ratio Lower Upper
 188 100
 94 11.7 9.4 14.2
 80 11.8 10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.66 min Scan# 2172

Delta R.T. -0.02 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

Instrument :

BNA_F

ClientSampleId :

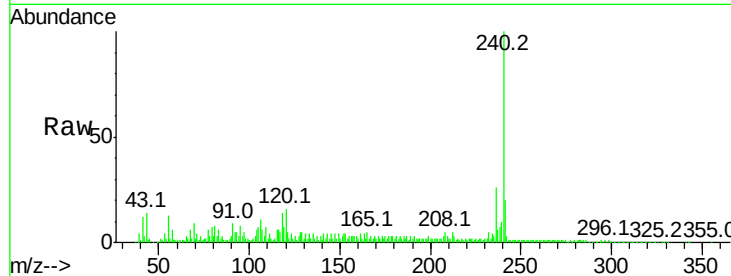
Tot Ion:240 Resp: 278335

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

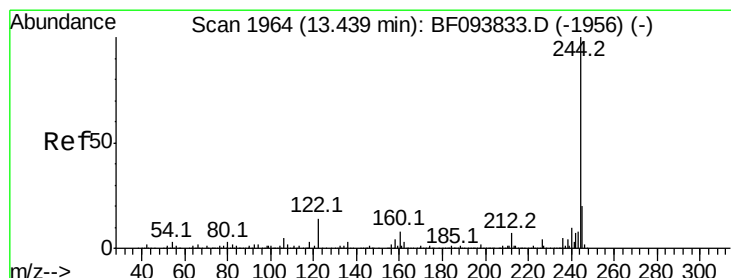
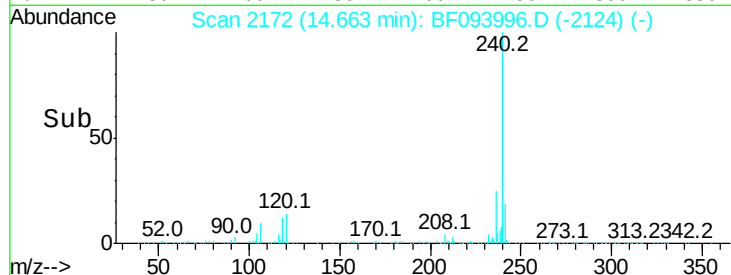
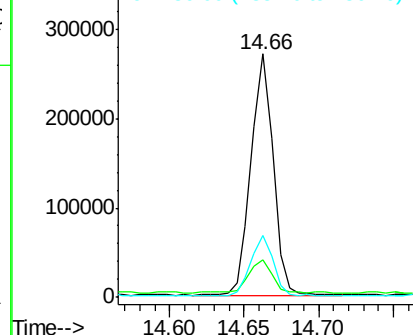
236 25.6 20.5 30.7



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: 75.99 ng

RT: 13.39 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BF093996.D

Acq: 28 Mar 2017 16:54

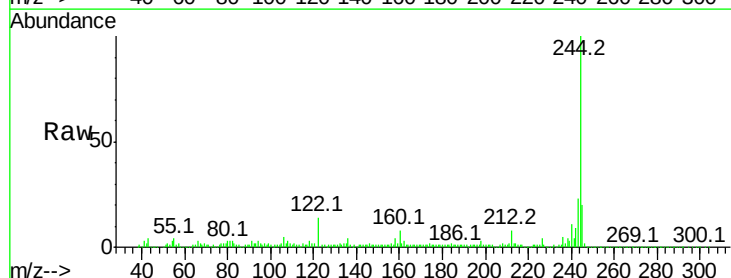
Tgt Ion:244 Resp: 943545

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

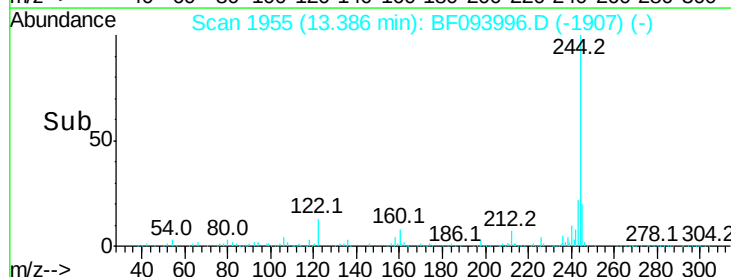
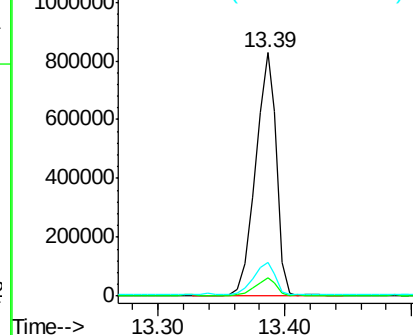
122 14.0 10.3 15.5

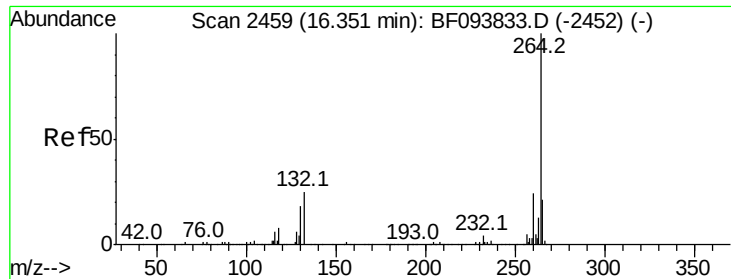


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

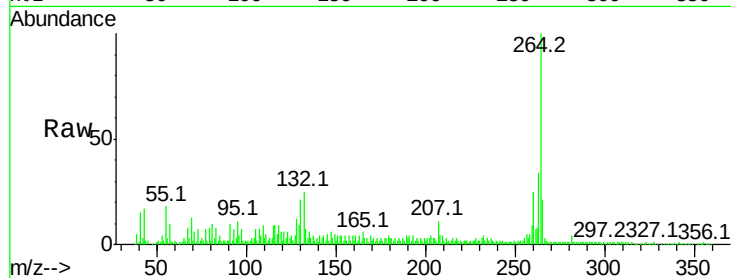




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.30 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BF093996.D
Acq: 28 Mar 2017 16:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	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

