

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093972.D
 Acq On : 28 Mar 2017 5:12
 Operator : SJ/MA
 Sample : I2422-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HHD-S1

Quant Time: Mar 28 05:35:15 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

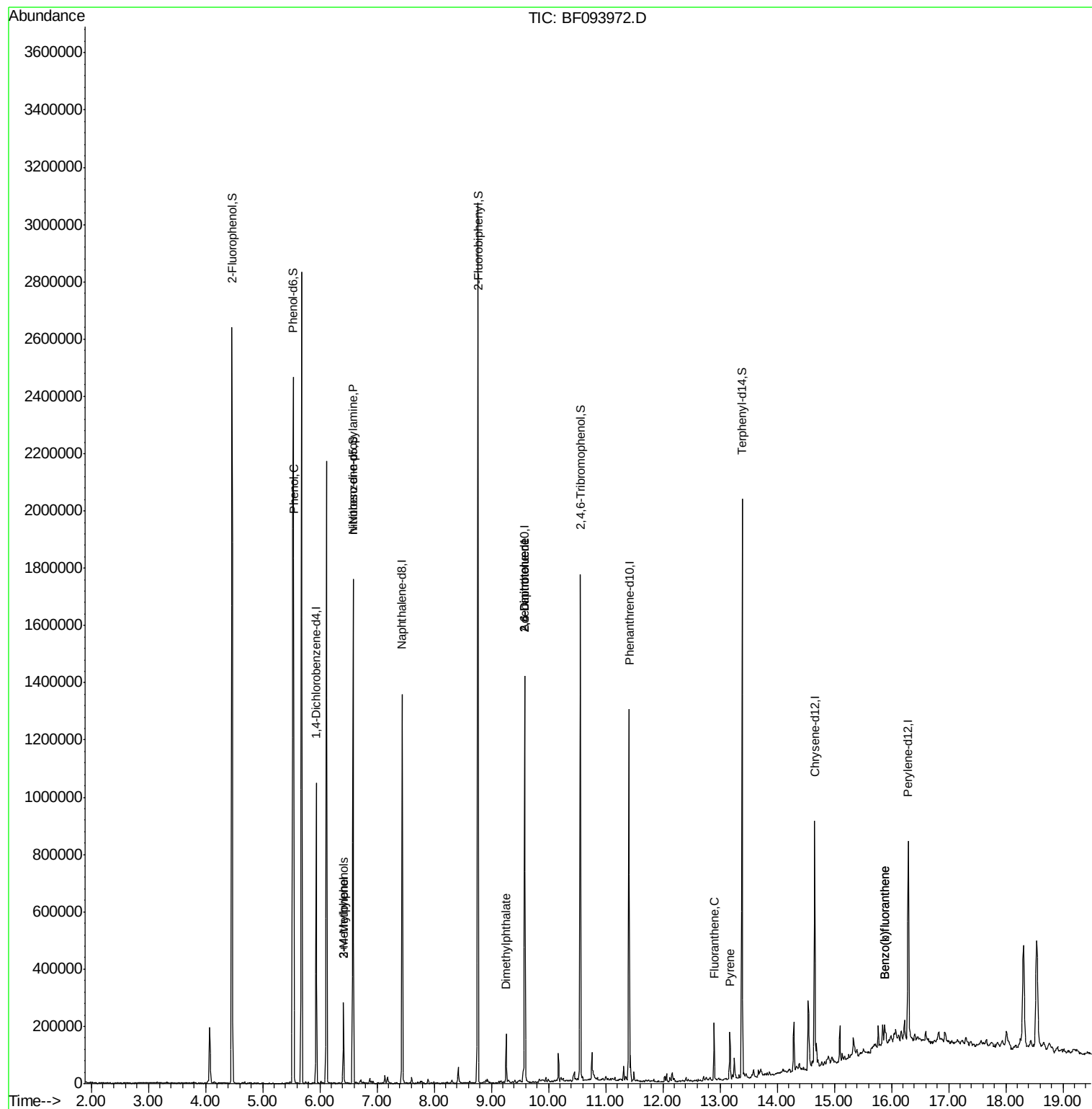
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.94	152	178288	20.00	ng	-0.01
21) Naphthalene-d8	7.44	136	707788	20.00	ng	-0.02
38) Acenaphthene-d10	9.59	164	310694	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	498902	20.00	ng	-0.01
75) Chrysene-d12	14.66	240	328757	20.00	ng	-0.02
86) Perylene-d12	16.29	264	299750	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	777325	73.64	ng	-0.01
7) Phenol-d6	5.53	99	1068217	81.80	ng	-0.02
23) Nitrobenzene-d5	6.59	82	635961	51.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	211146	86.00	ng	-0.02
44) 2-Fluorobiphenyl	8.77	172	1099548	53.98	ng	-0.01
78) Terphenyl-d14	13.39	244	670452	45.71	ng	-0.02
Target Compounds						
10) Phenol	5.55	94	143131	9.63	ng	Qvalue 91
17) 2-Methylphenol	6.41	107	75246	7.57	ng	# 69
19) n-Nitroso-di-n-propylamine	6.59	70	82854	9.87	ng	# 75
20) 3+4-Methylphenols	6.41	107	75246	6.25	ng	# 57
49) Dimethylphthalate	9.26	163	80389	3.64	ng	# 97
50) 2,6-Dinitrotoluene	9.59	165	39697	7.84	ng	# 33
56) 2,4-Dinitrotoluene	9.59	165	39697	6.24	ng	# 33
74) Fluoranthene	12.90	202	83785	2.95	ng	99
77) Pyrene	13.17	202	67443	2.83	ng	95
87) Benzo(b)fluoranthene	15.88	252	45856	2.50	ng	# 89
88) Benzo(k)fluoranthene	15.88	252	45856	2.55	ng	# 93

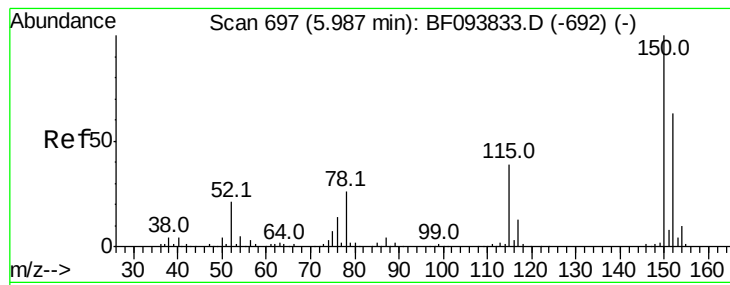
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.94 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

Instrument :

BNA_F

ClientSampleId :

HHD-S1

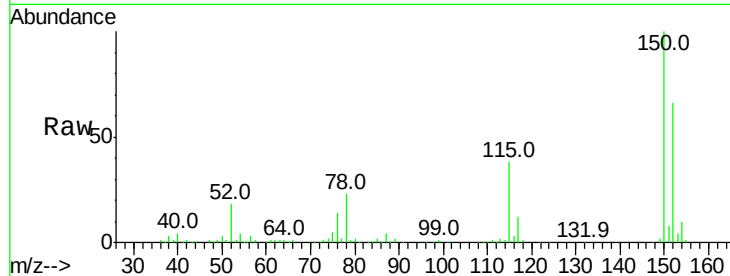
Tot Ion:152 Resp: 178288

Ion Ratio Lower Upper

152 100

150 152.2 126.2 189.2

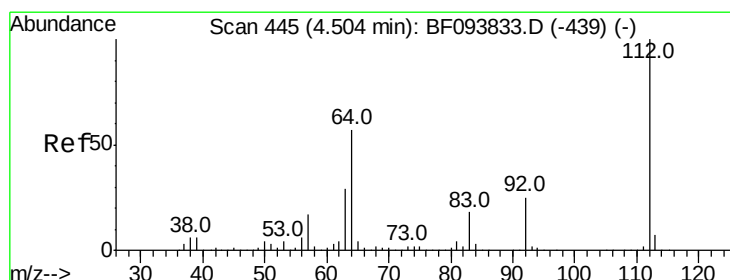
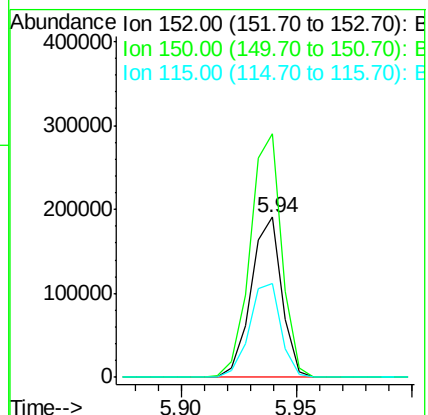
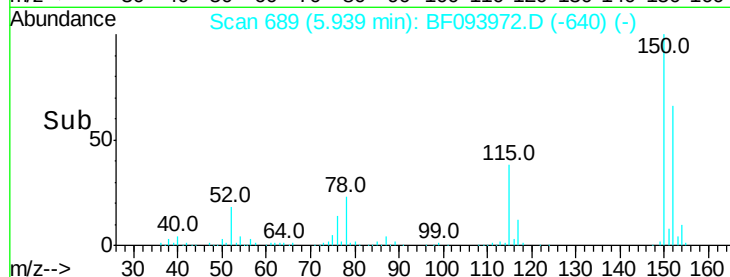
115 58.6 52.2 78.2



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: 73.64 ng

RT: 4.46 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

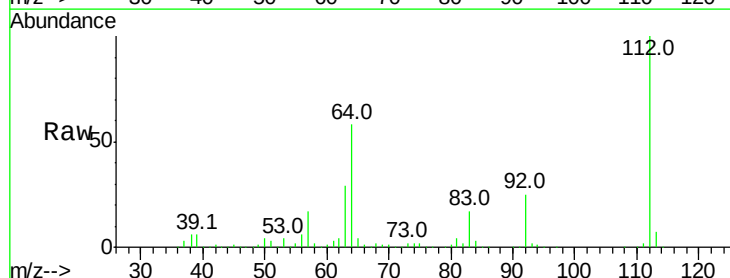
Tgt Ion:112 Resp: 777325

Ion Ratio Lower Upper

112 100

64 57.6 46.0 69.0

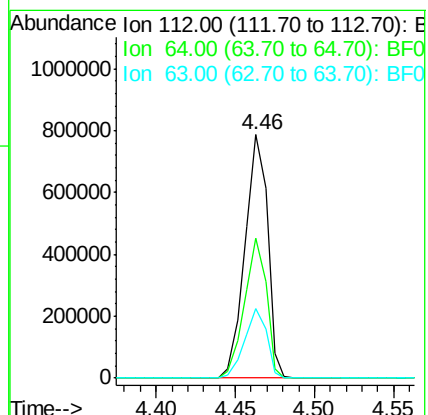
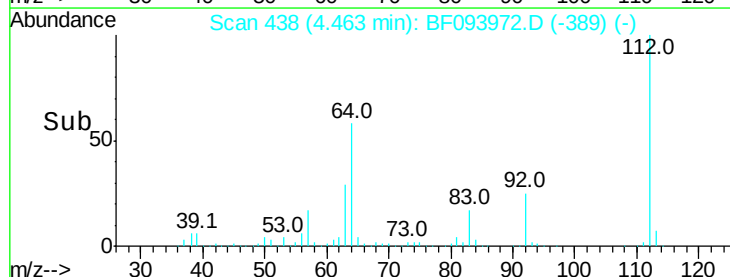
63 28.7 23.4 35.0

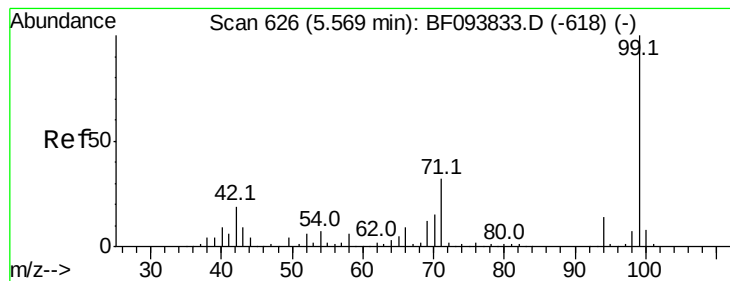


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 81.80 ng

RT: 5.53 min Scan# 620

Delta R.T. -0.02 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

Instrument :

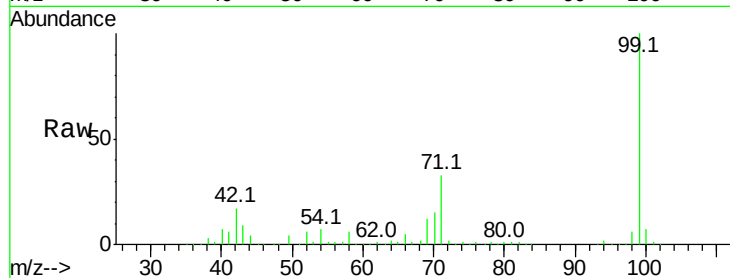
BNA_F

ClientSampled :

HHD-S1

Tot Ion: 99 Resp: 1068217

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.5	20.3
71	33.3	24.5	36.7

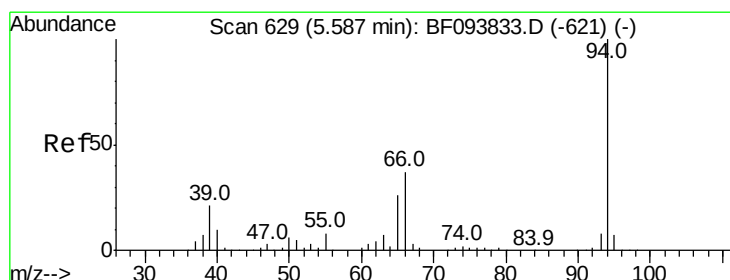
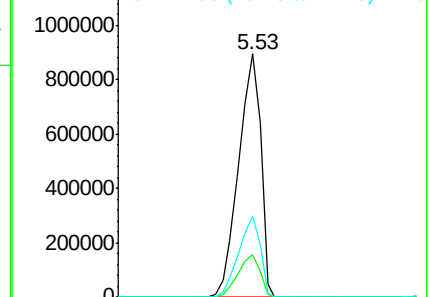
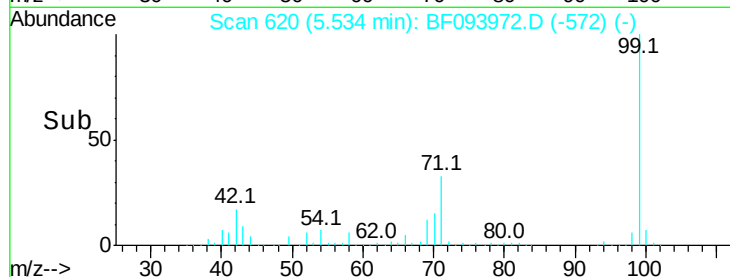


Abundance

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



#10

Phenol

Concen: 9.63 ng

RT: 5.55 min Scan# 622

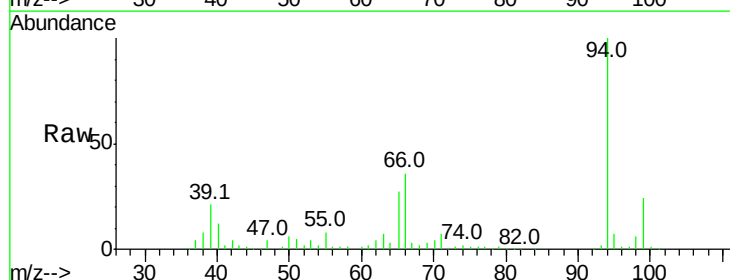
Delta R.T. -0.02 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

Tgt Ion: 94 Resp: 143131

Ion	Ratio	Lower	Upper
94	100		
65	27.3	9.9	49.9
66	35.7	23.1	63.1

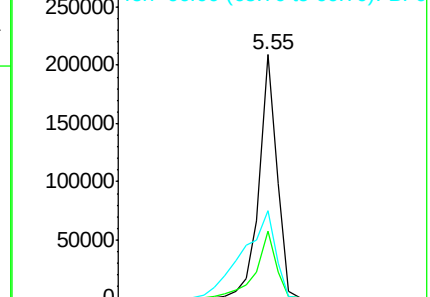
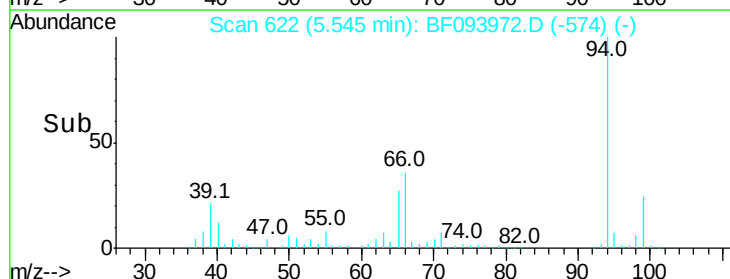


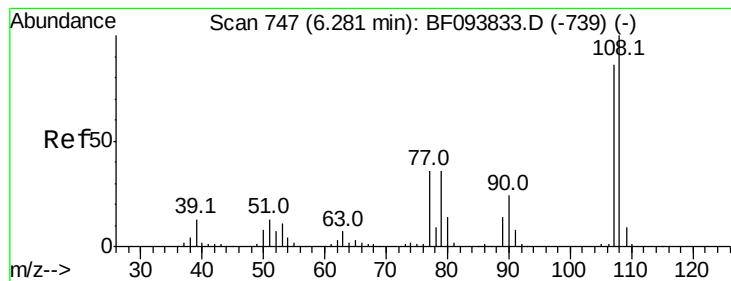
Abundance

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





#17

2-Methylphenol

Concen: 7.57 ng

RT: 6.41 min Scan# 769

Delta R.T. 0.16 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

Instrument :

BNA_F

ClientSampleId :

HHD-S1

Tot Ion:107 Resp: 75246

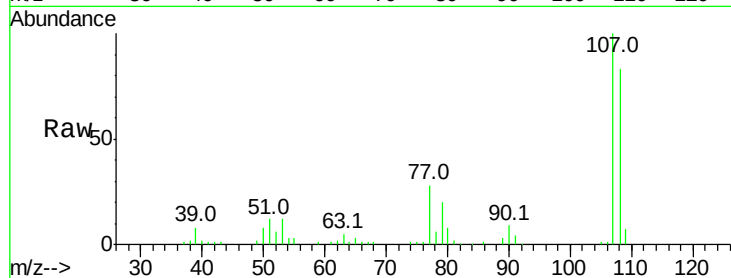
Ion Ratio Lower Upper

107 100

108 82.5 93.4 140.0#

77 28.5 35.8 53.6#

79 20.2 34.8 52.2#

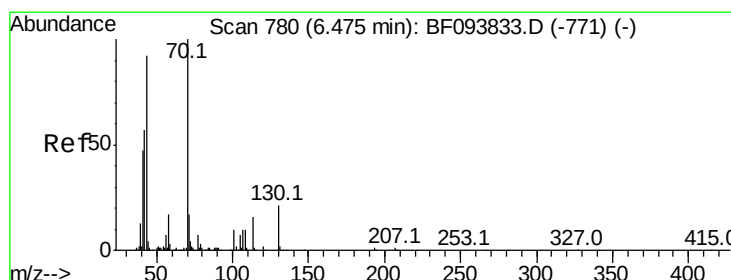
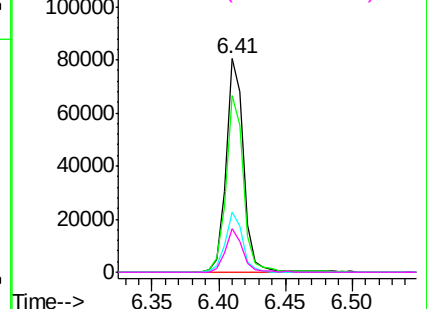
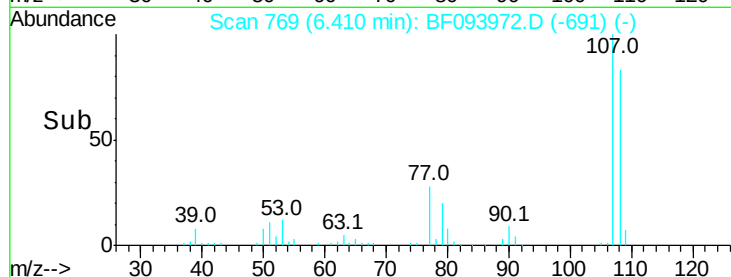


Abundance Ion 107.00 (106.70 to 107.70): E

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



#19

n-Nitroso-di-n-propylamine

Concen: 9.87 ng

RT: 6.59 min Scan# 799

Delta R.T. 0.15 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

Tgt Ion: 70 Resp: 82854

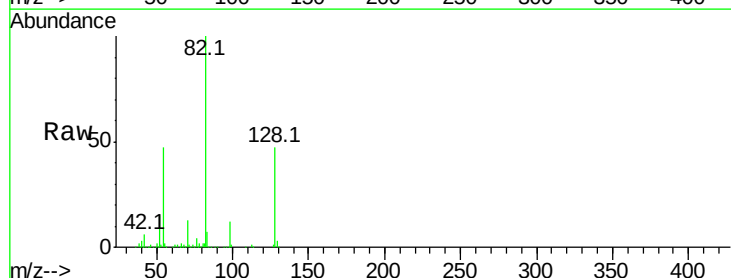
Ion Ratio Lower Upper

70 100

42 43.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

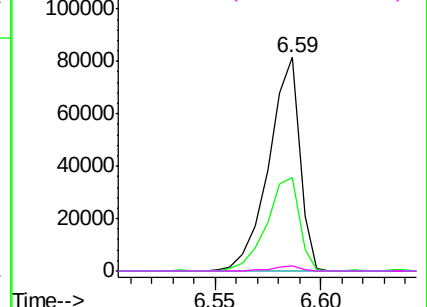
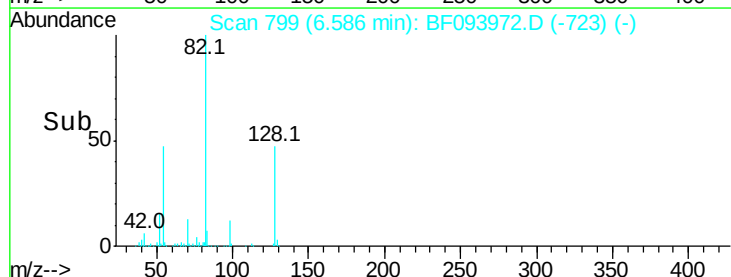


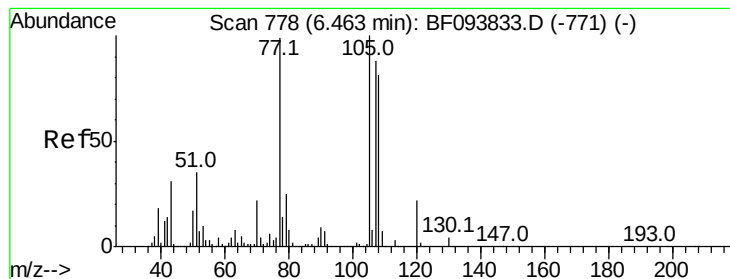
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 6.25 ng

RT: 6.41 min Scan# 769

Delta R.T. -0.02 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

Instrument :

BNA_F

ClientSampleId :

HHD-S1

Tot Ion:107 Resp: 75246

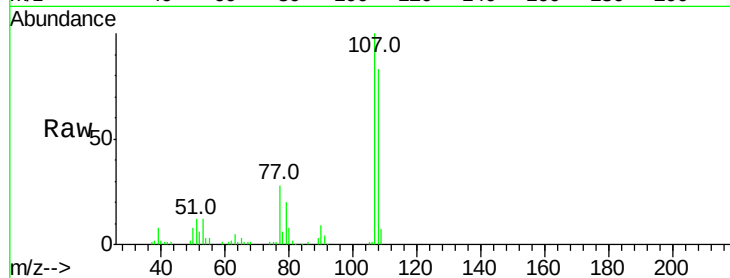
Ion Ratio Lower Upper

107 100

108 82.5 71.0 111.0

77 28.5 90.5 130.5#

79 20.2 8.4 48.4

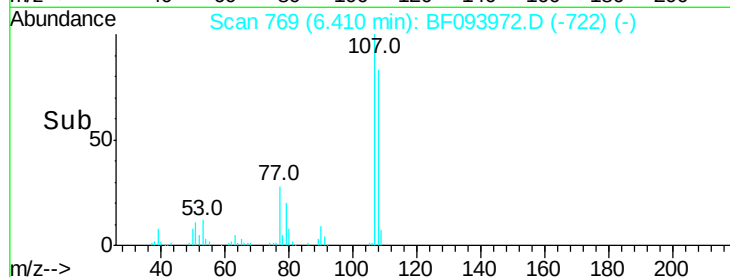


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

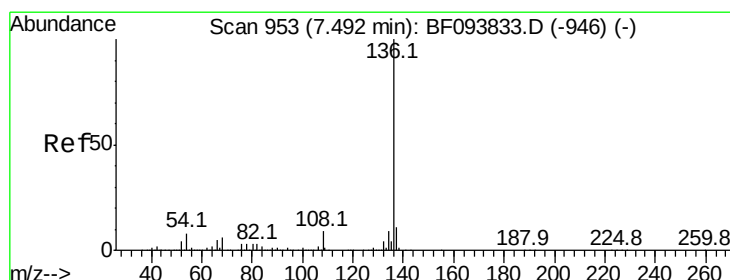
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->

6.41



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.44 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

Tgt Ion:136 Resp: 707788

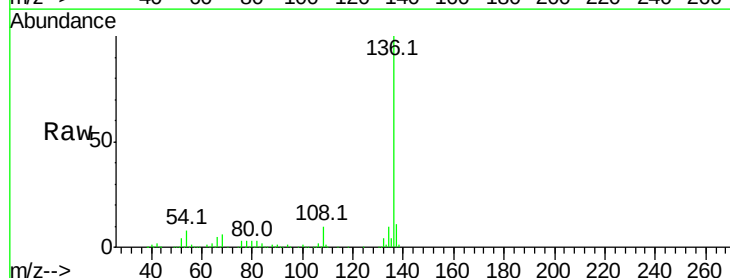
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 8.1 4.9 7.3#

68 6.3 4.1 6.1#

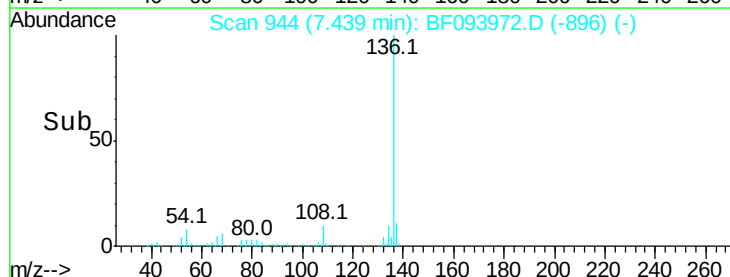


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

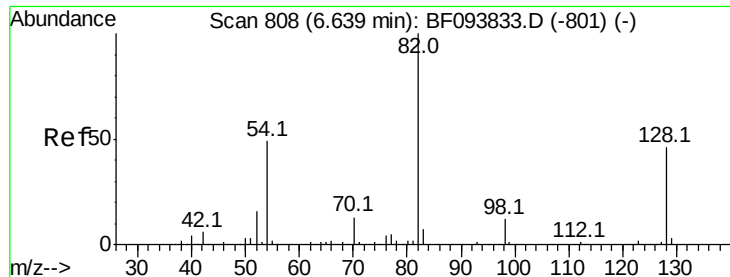
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

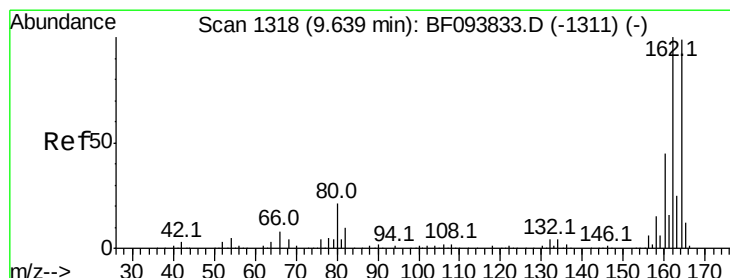
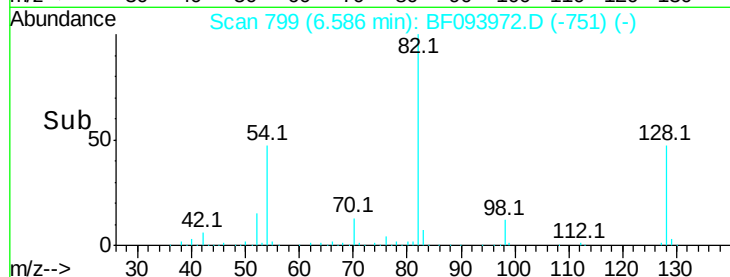
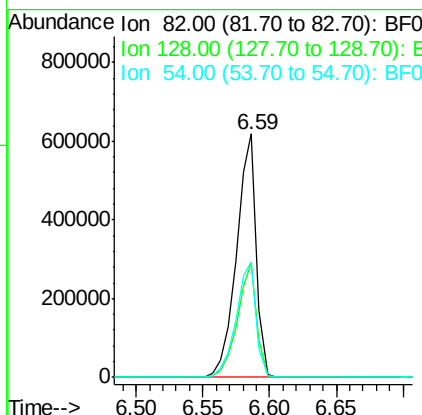
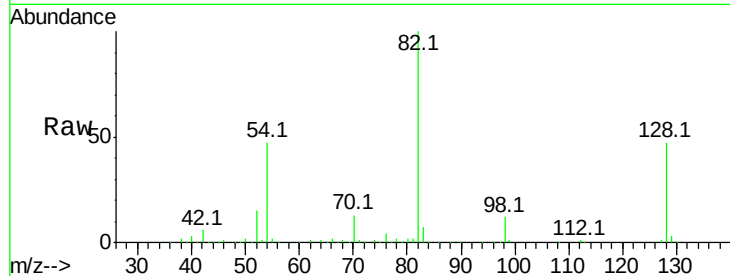
7.44



#23
 Nitrobenzene-d5
 Concen: 51.28 ng
 RT: 6.59 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: BF093972.D
 Acq: 28 Mar 2017 5:12

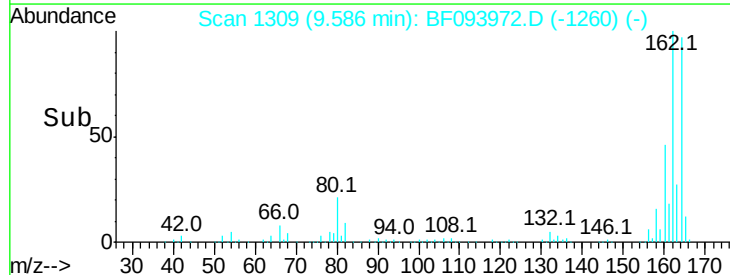
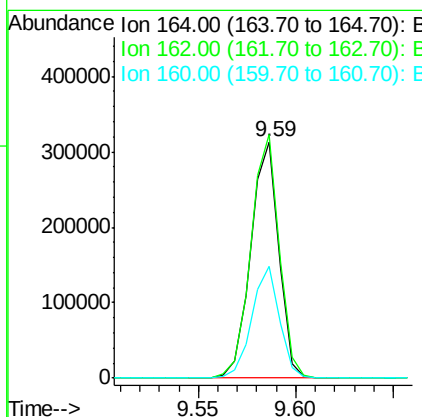
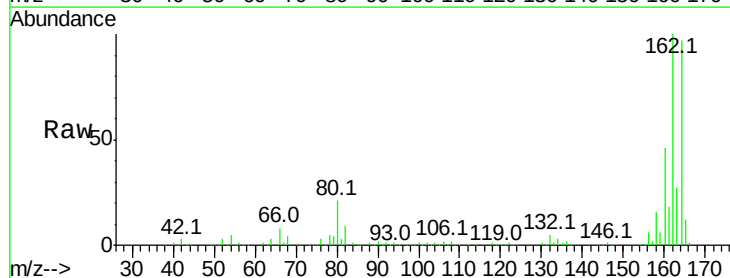
Instrument :
 BNA_F
 ClientSampleId :
 HHD-S1

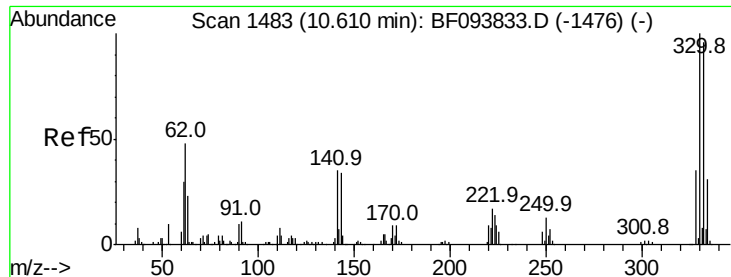
Tot Ion	82	Resp	635961
Ion Ratio	Lower	Upper	
82	100		
128	46.8	34.0	51.0
54	47.5	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF093972.D
 Acq: 28 Mar 2017 5:12

Tgt Ion	164	Resp	310694
Ion Ratio	Lower	Upper	
164	100		
162	103.0	82.6	123.8
160	47.4	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 86.00 ng

RT: 10.56 min Scan# 1474

Delta R.T. -0.02 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

Instrument :

BNA_F

ClientSampled :

HHD-S1

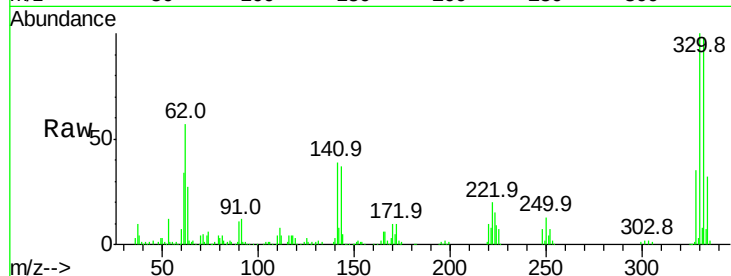
Tot Ion:330 Resp: 211146

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

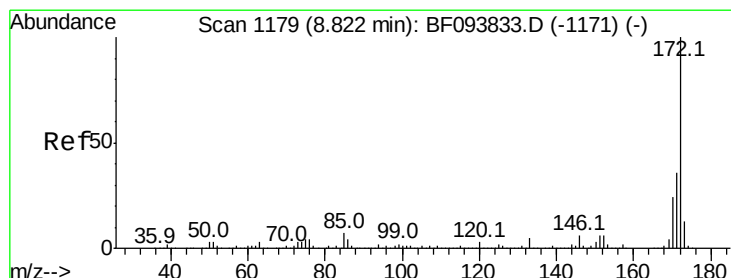
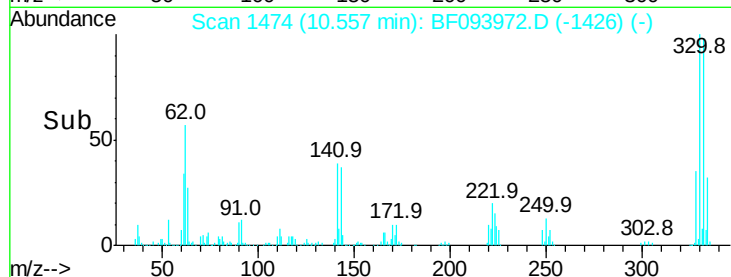
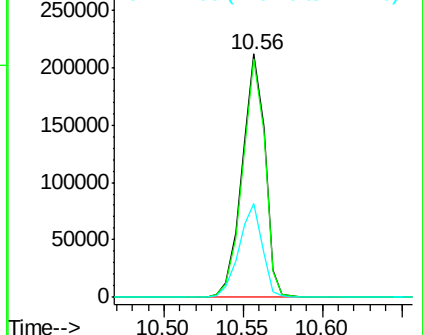
141 39.2 31.4 47.2



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: 53.98 ng

RT: 8.77 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

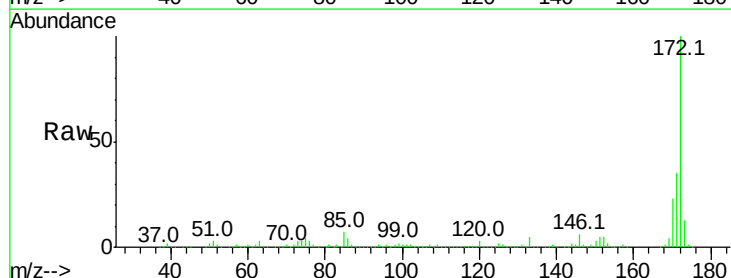
Tgt Ion:172 Resp: 1099548

Ion Ratio Lower Upper

172 100

171 35.5 29.6 44.4

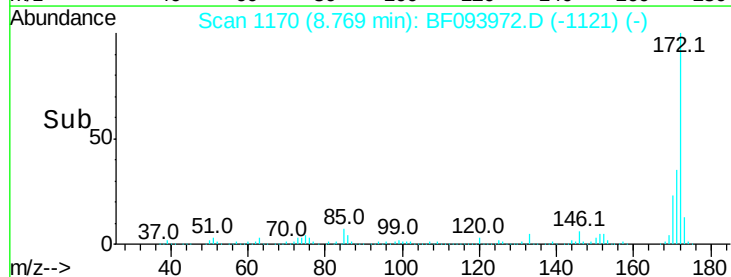
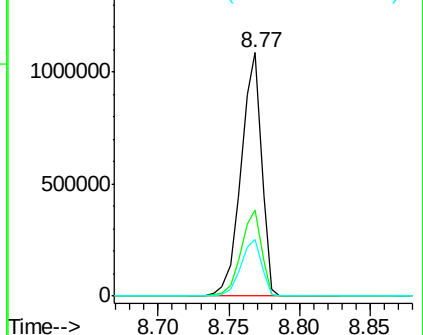
170 23.2 19.8 29.8

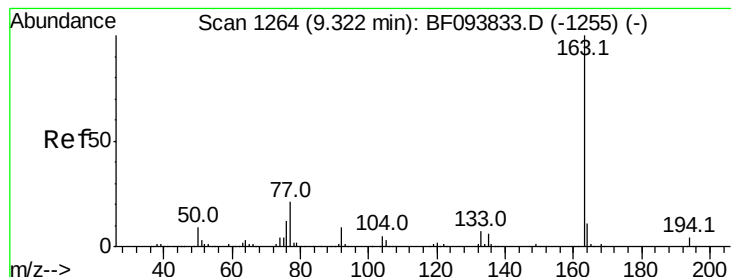


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.64 ng

RT: 9.26 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

Instrument :

BNA_F

ClientSampleId :

HHD-S1

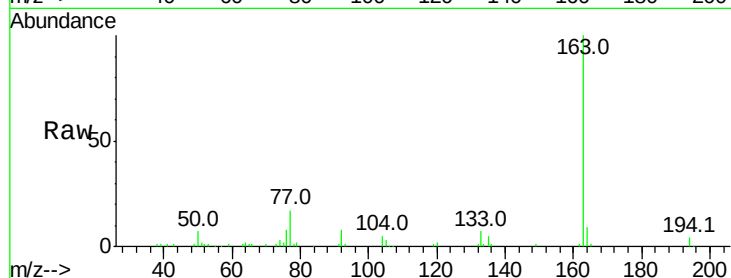
Tot Ion:163 Resp: 80389

Ion Ratio Lower Upper

163 100

194 4.2 2.6 4.0#

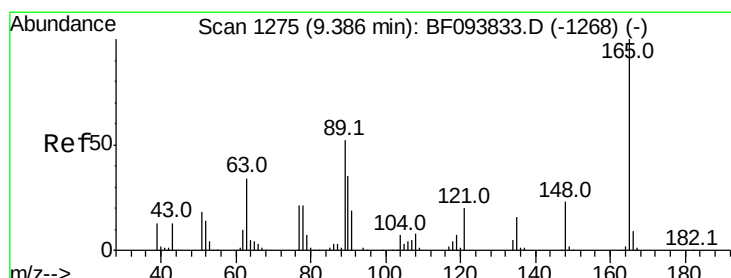
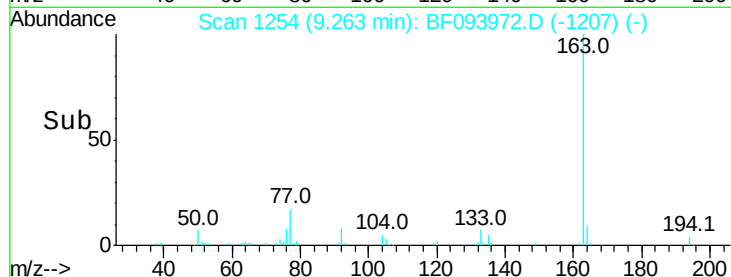
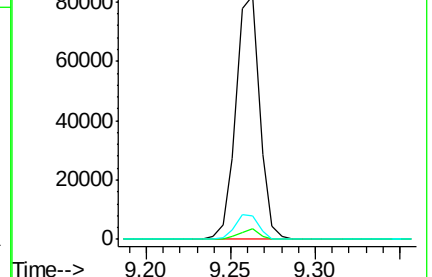
164 9.4 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 7.84 ng

RT: 9.59 min Scan# 1309

Delta R.T. 0.24 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

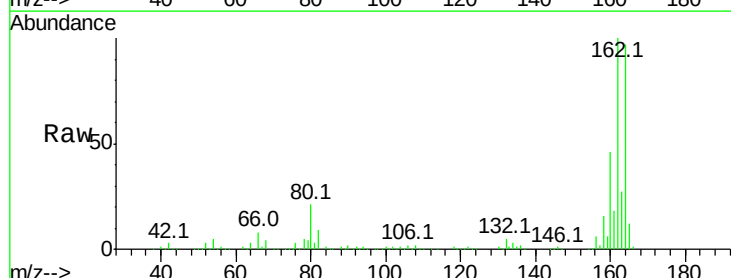
Tgt Ion:165 Resp: 39697

Ion Ratio Lower Upper

165 100

63 1.2 34.3 51.5#

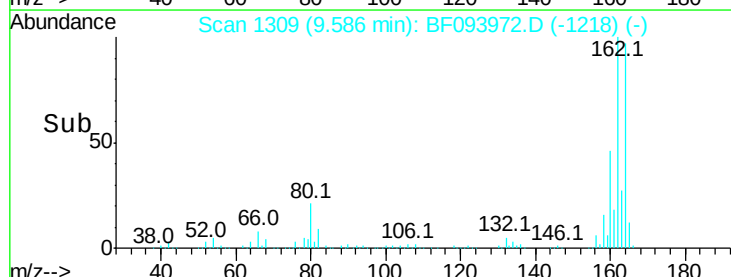
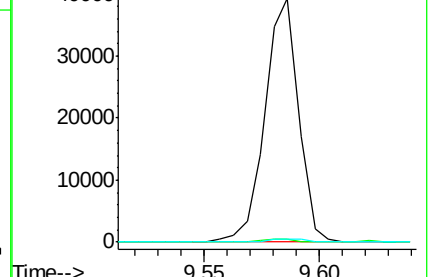
89 1.3 37.1 55.7#

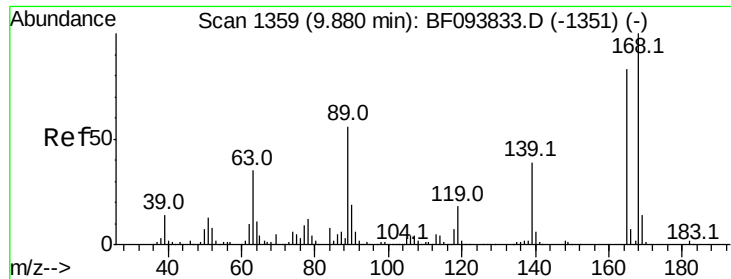


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.24 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.26 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

Instrument :

BNA_F

ClientSampleId :

HHD-S1

Tot Ion:165 Resp: 39697

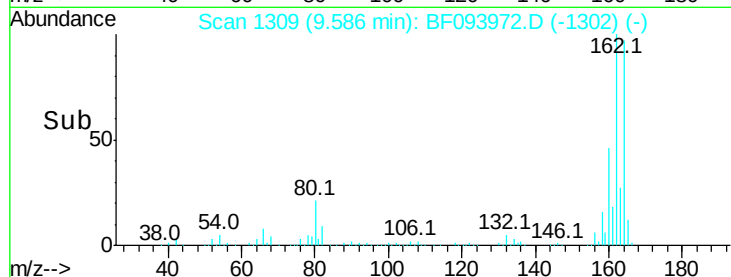
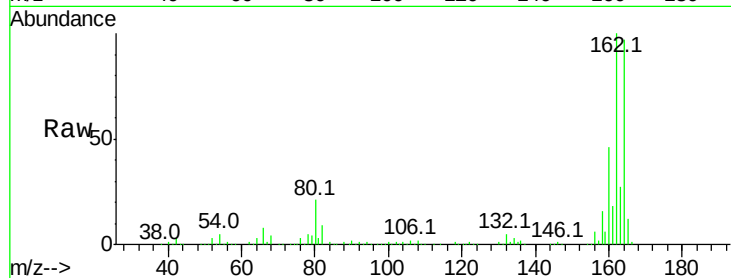
Ion Ratio Lower Upper

165 100

63 1.2 25.4 38.0#

89 1.3 46.4 69.6#

182 0.0 1.8 2.6#

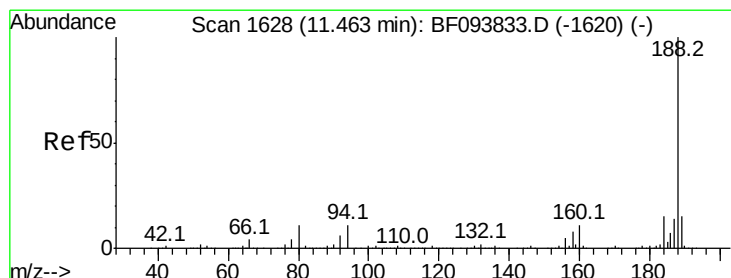
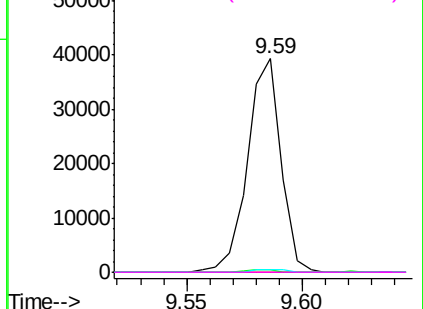


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

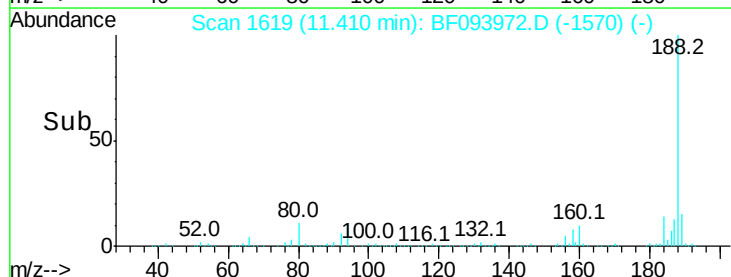
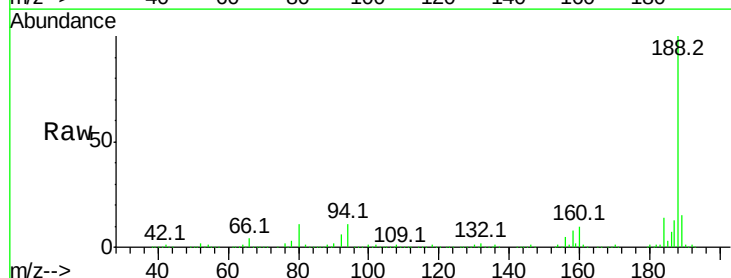
Tgt Ion:188 Resp: 498902

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

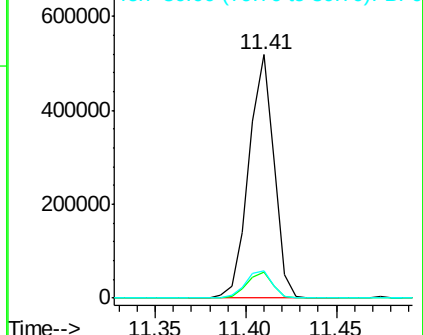
80 11.4 10.2 15.2

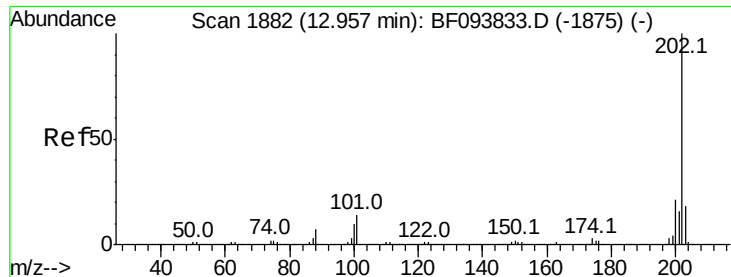


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

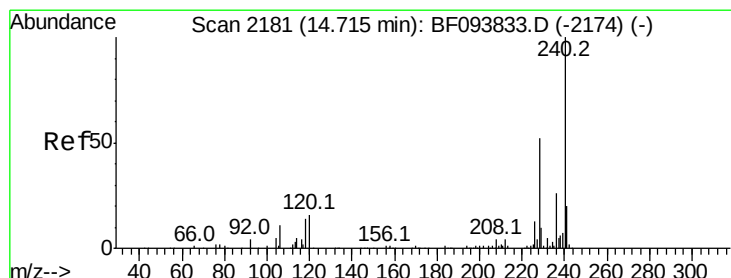
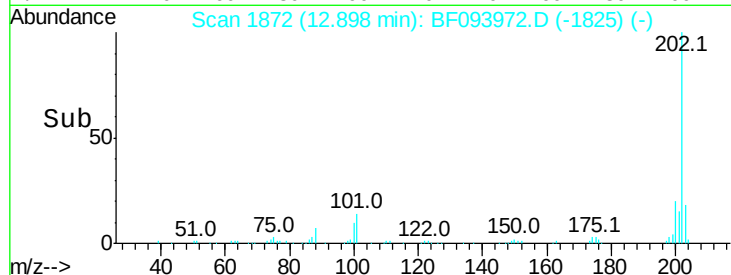
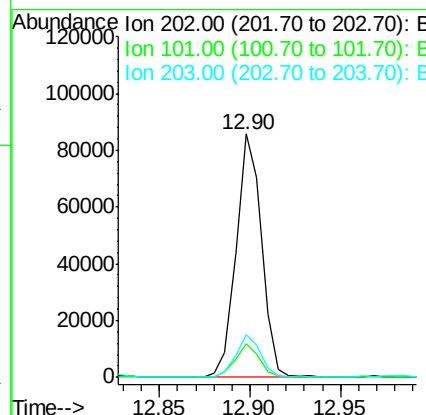
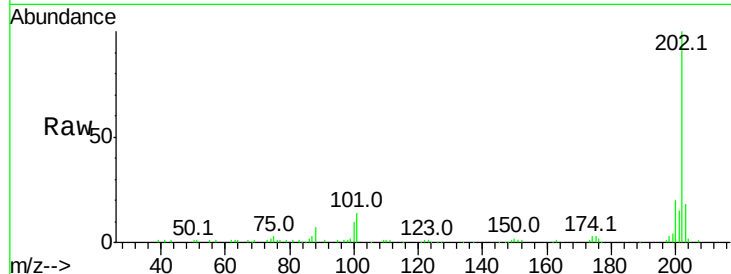




#74
Fluoranthene
Concen: 2.95 ng
RT: 12.90 min Scan# 1872
Delta R.T. -0.02 min
Lab File: BF093972.D
Acq: 28 Mar 2017 5:12

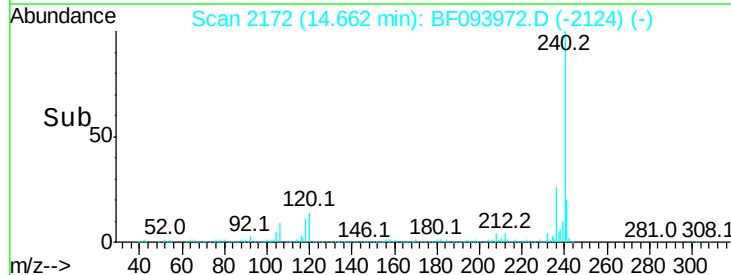
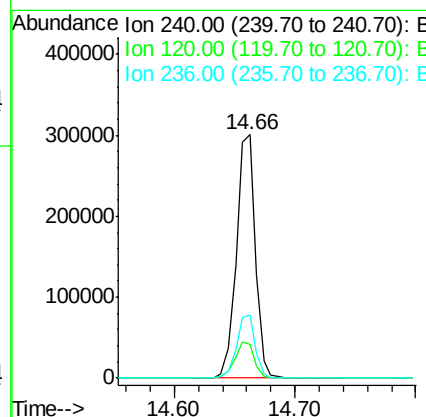
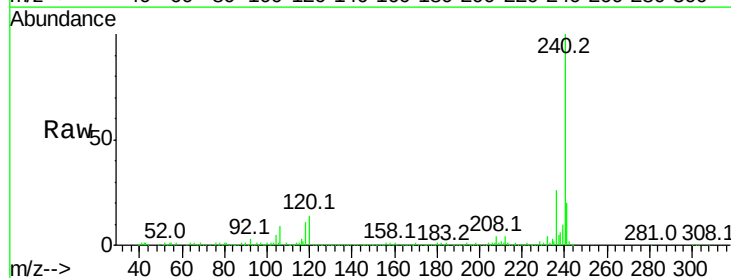
Instrument :
BNA_F
ClientSampleId :
HHD-S1

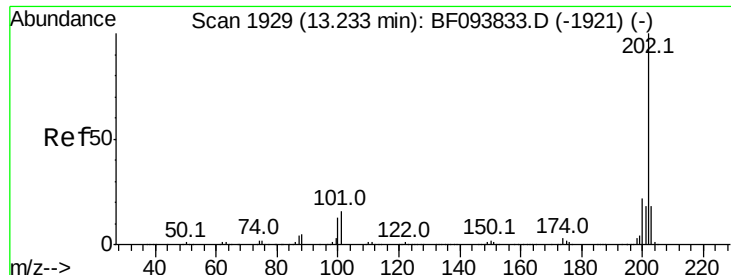
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	17.5	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.66 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF093972.D
Acq: 28 Mar 2017 5:12

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.8	8.8#
236	26.1	20.5	30.7

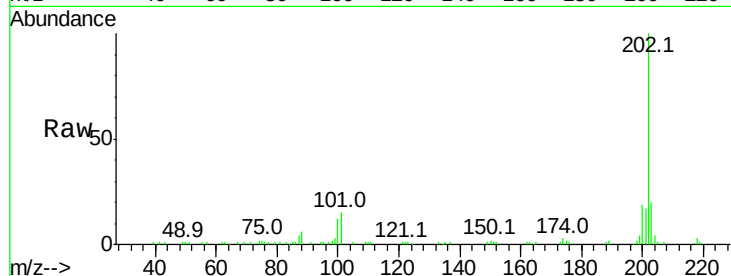




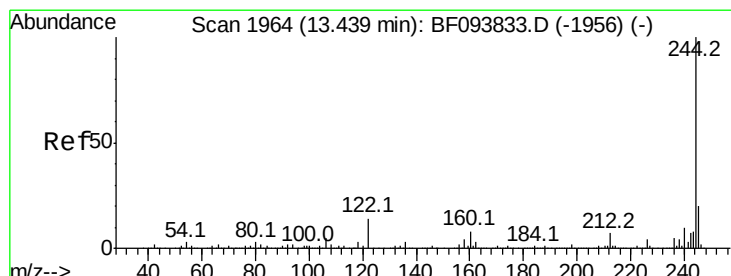
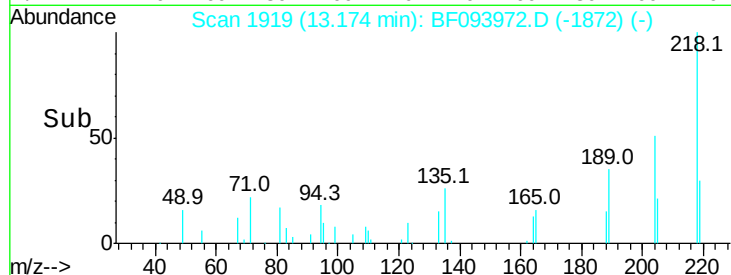
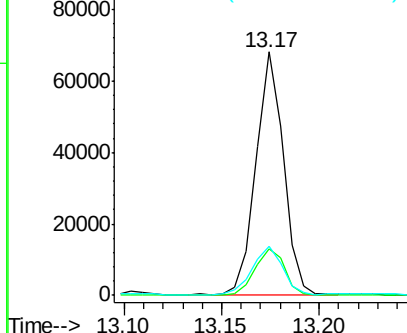
#77
 Pvrene
 Concen: 2.83 ng
 RT: 13.17 min Scan# 1919
 Delta R.T. -0.02 min
 Lab File: BF093972.D
 Acq: 28 Mar 2017 5:12

Instrument :
 BNA_F
 ClientSampleId :
 HHD-S1

Tot Ion:202 Resp: 67443
 Ion Ratio Lower Upper
 202 100
 200 19.3 17.6 26.4
 203 20.2 14.4 21.6

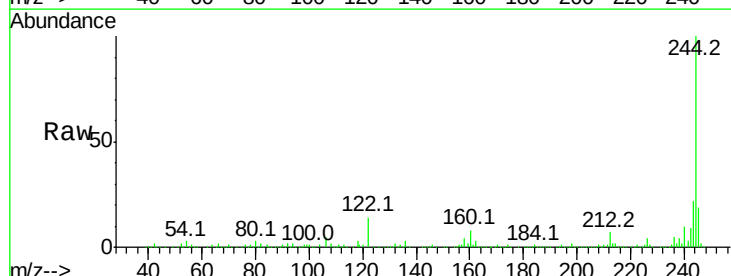


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

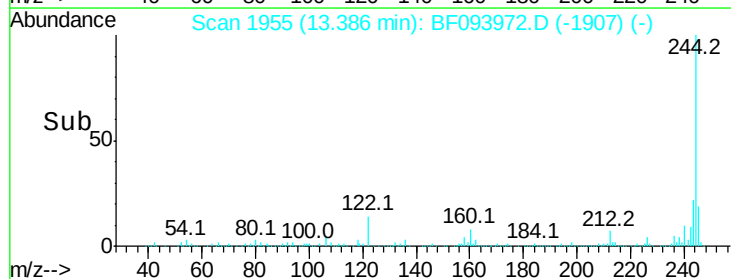
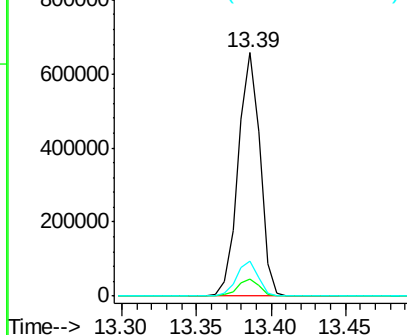


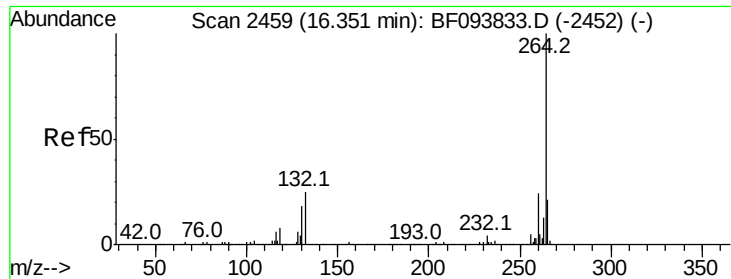
#78
 Terphenyl-d14
 Concen: 45.71 ng
 RT: 13.39 min Scan# 1955
 Delta R.T. -0.02 min
 Lab File: BF093972.D
 Acq: 28 Mar 2017 5:12

Tgt Ion:244 Resp: 670452
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 14.4 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

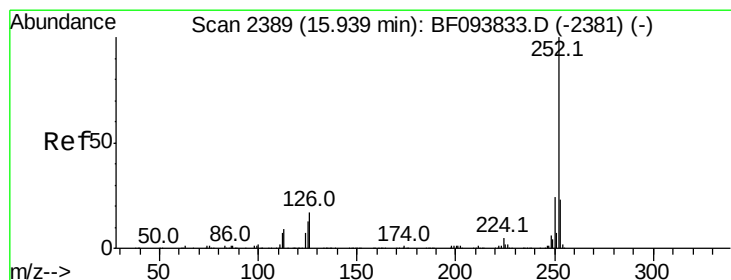
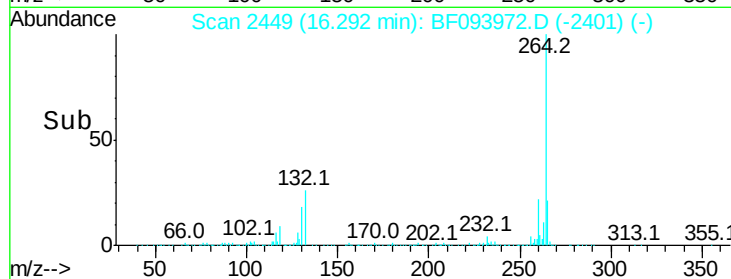
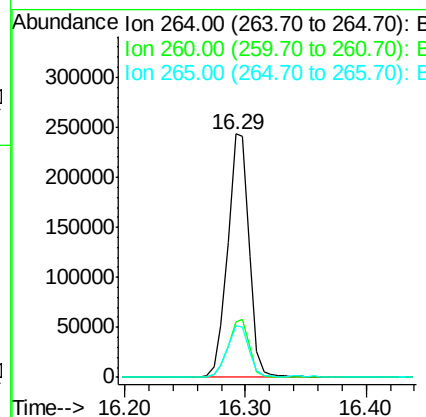
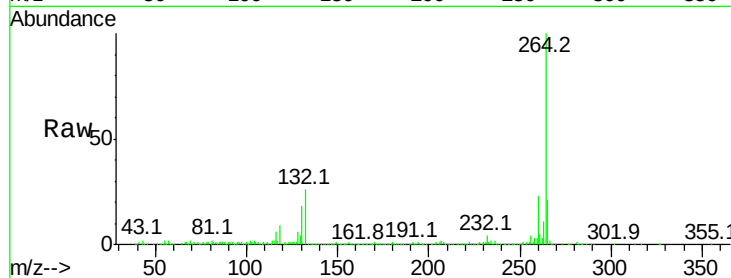




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.29 min Scan# 2449
Delta R.T. -0.02 min
Lab File: BF093972.D
Acq: 28 Mar 2017 5:12

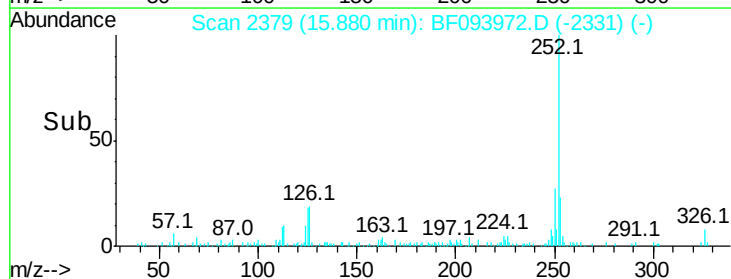
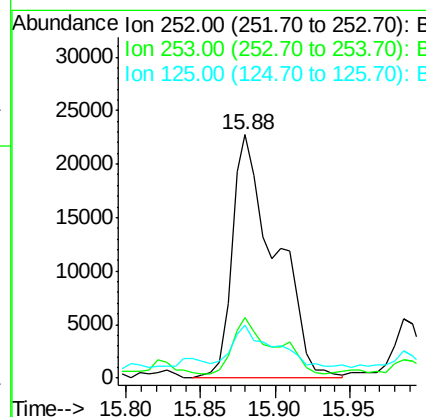
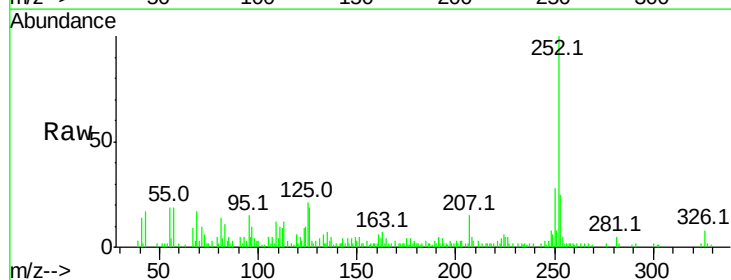
Instrument :
BNA_F
ClientSampleId :
HHD-S1

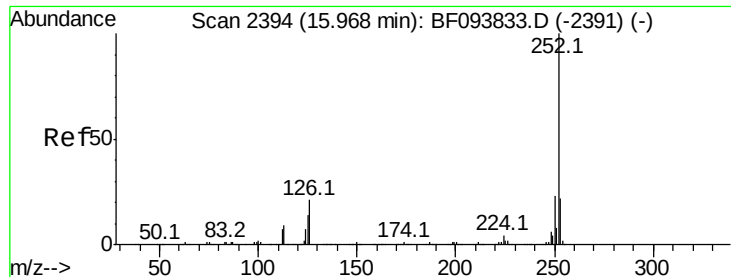
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	20.9	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.50 ng
RT: 15.88 min Scan# 2379
Delta R.T. -0.02 min
Lab File: BF093972.D
Acq: 28 Mar 2017 5:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	21.5	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 2.55 ng

RT: 15.88 min Scan# 2379

Delta R.T. -0.05 min

Lab File: BF093972.D

Acq: 28 Mar 2017 5:12

Instrument :

BNA_F

ClientSampleId :

HHD-S1

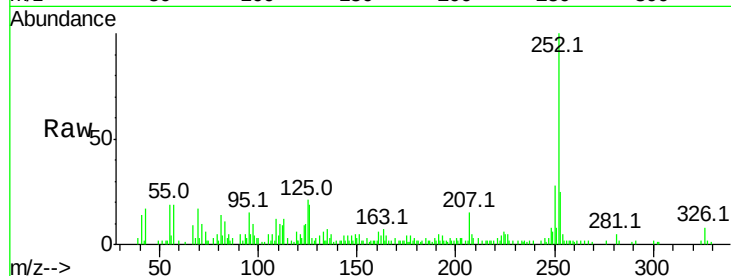
Tot Ion:252 Resp: 45856

Ion Ratio Lower Upper

252 100

253 24.7 18.4 27.6

125 21.5 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

