

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031317\
 Data File : BF093618.D
 Acq On : 13 Mar 2017 20:12
 Operator : SJ/MA
 Sample : I2233-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-BOTTOM

Quant Time: Mar 14 01:05:12 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

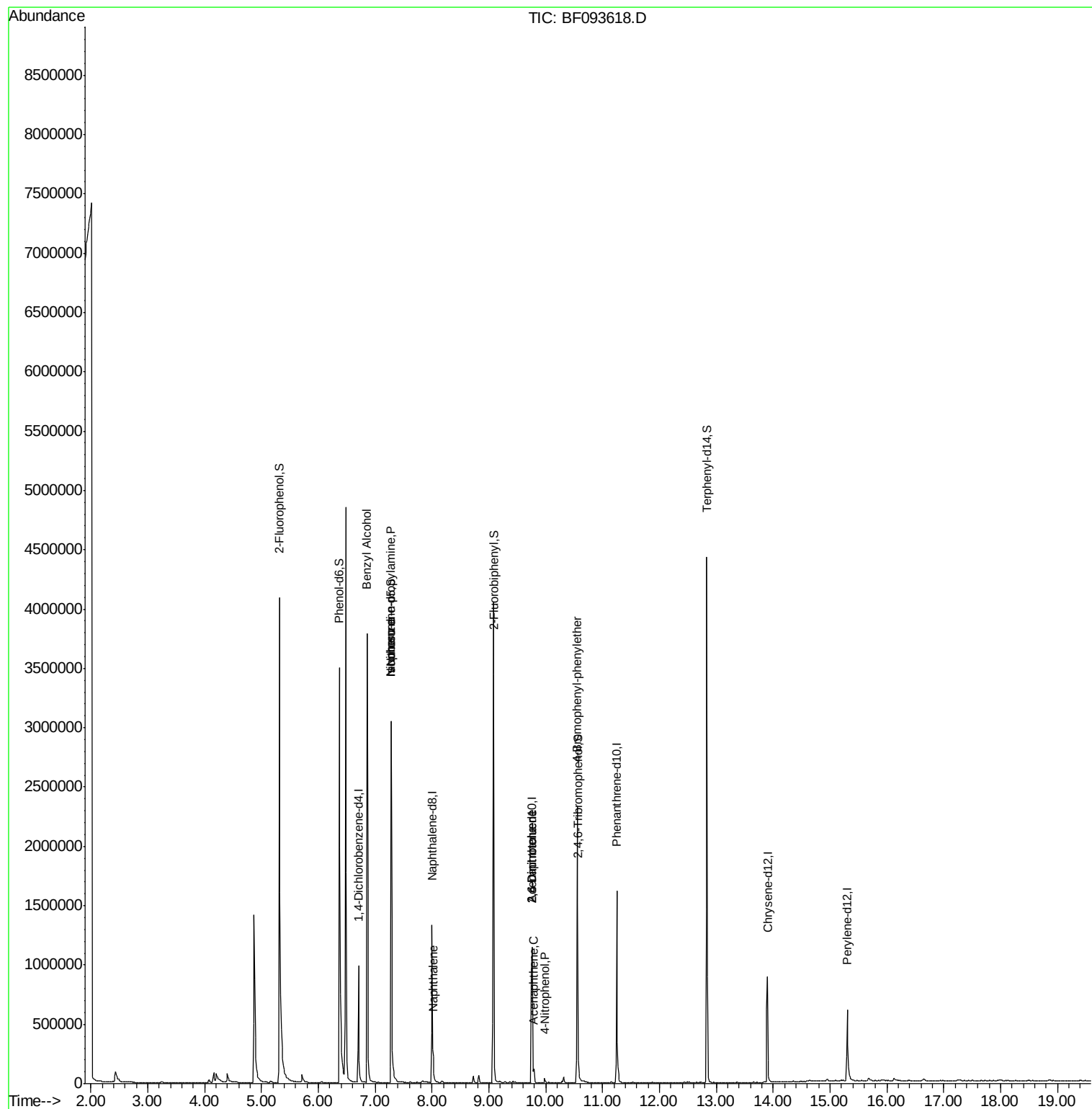
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	167197	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	672296	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	311221	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	589785	20.00	ng	0.00
75) Chrysene-d12	13.90	240	444713	20.00	ng	0.01
86) Perylene-d12	15.31	264	312602	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1527161	152.02	ng	0.00
7) Phenol-d6	6.37	99	1823653	143.96	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1214767	100.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	354993	175.08	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1905590	113.89	ng	0.00
78) Terphenyl-d14	12.84	244	1496662	87.50	ng	0.01
Target Compounds						
9) Benzaldehyde	6.37	77	2471	Below Cal	#	1
15) Benzyl Alcohol	6.86	79	19591	2.17 ng	#	44
19) n-Nitroso-di-n-propylamine	7.28	70	162192	18.62 ng	#	83
25) Isophorone	7.28	82	1178894	48.25 ng	#	65
31) Naphthalene	8.02	128	108529	3.22 ng		98
50) 2,6-Dinitrotoluene	9.76	165	40477	8.94 ng	#	32
51) Acenaphthene	9.80	154	39679	2.34 ng		96
55) 4-Nitrophenol	9.98	139	7530	2.85 ng	#	4
56) 2,4-Dinitrotoluene	9.76	165	40477	7.28 ng	#	21
66) 4-Bromophenyl-phenylether	10.55	248	26035	4.17 ng	#	1

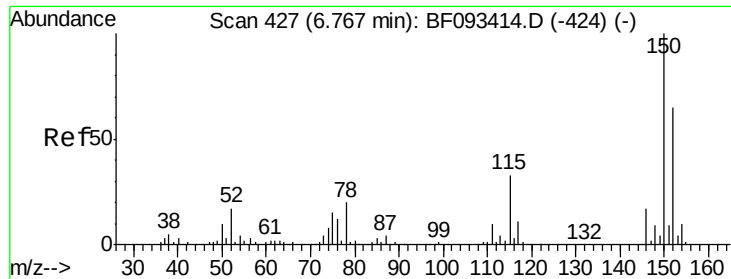
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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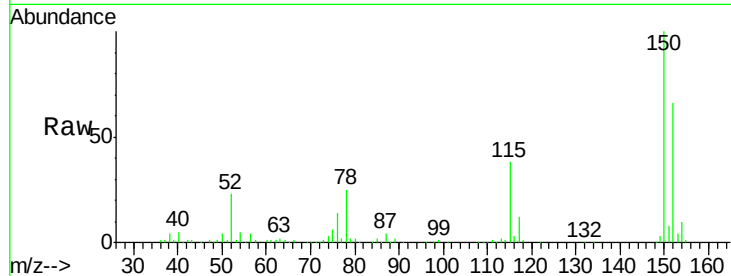


#1

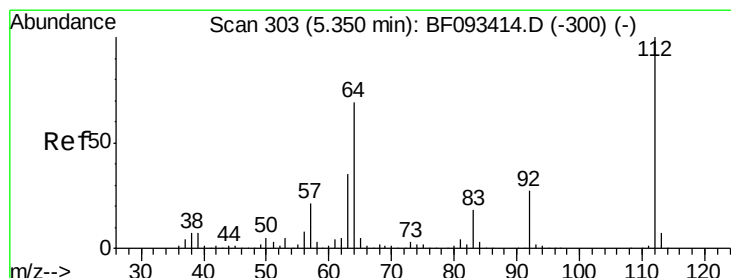
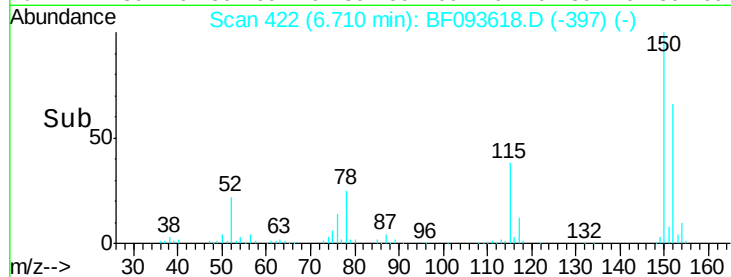
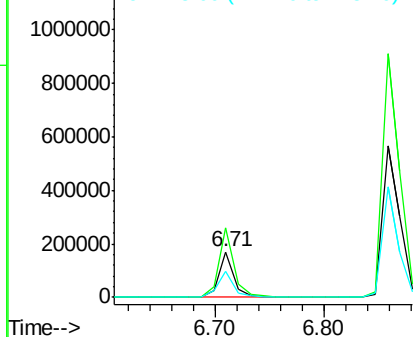
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093618.D
Acq: 13 Mar 2017 20:12

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-BOTTOM

Tgt Ion:152 Resp: 167197
Ion Ratio Lower Upper
152 100
150 152.4 124.9 187.3
115 57.6 46.0 69.0



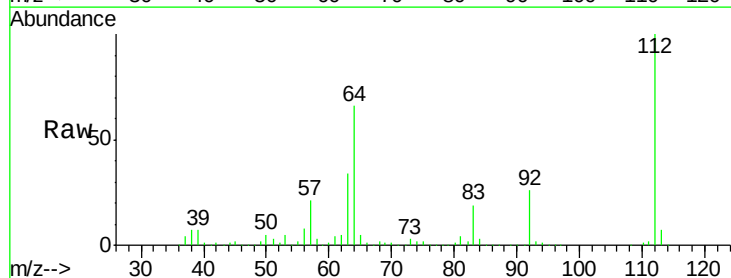
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



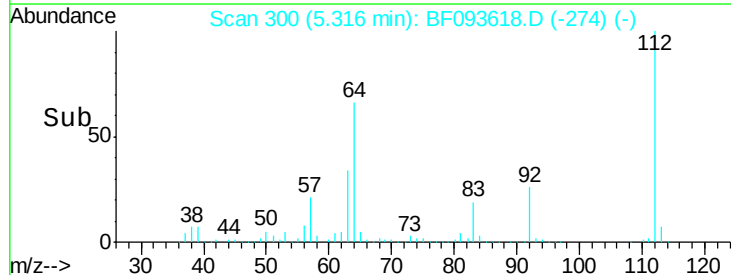
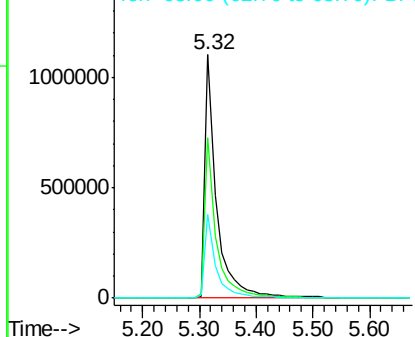
#5

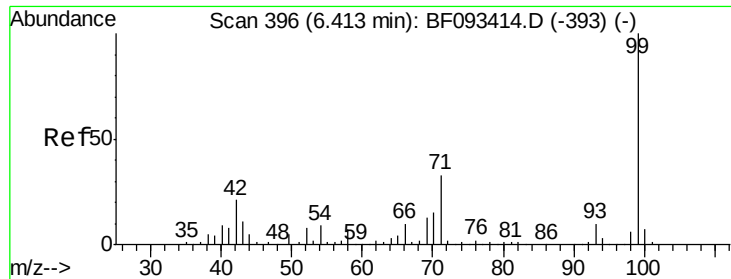
2-Fluorophenol
Concen: 152.02 ng
RT: 5.32 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF093618.D
Acq: 13 Mar 2017 20:12

Tgt Ion:112 Resp: 1527161
Ion Ratio Lower Upper
112 100
64 65.9 46.1 69.1
63 34.1 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: 143.96 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-BOTTOM

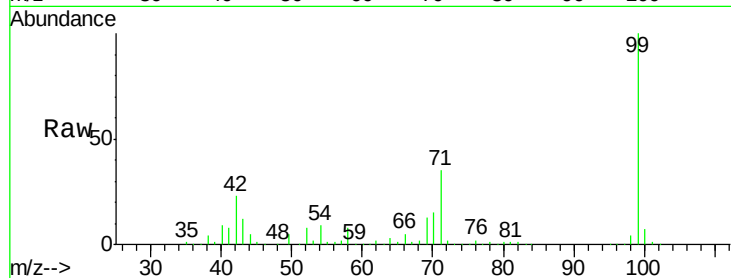
Tgt Ion: 99 Resp: 1823653

Ion Ratio Lower Upper

99 100

42 22.8 15.6 23.4

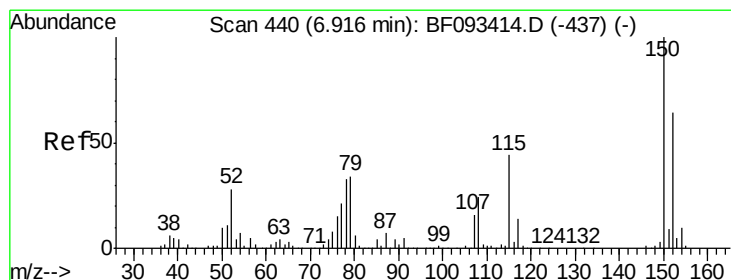
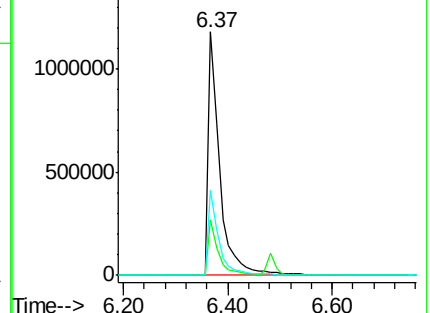
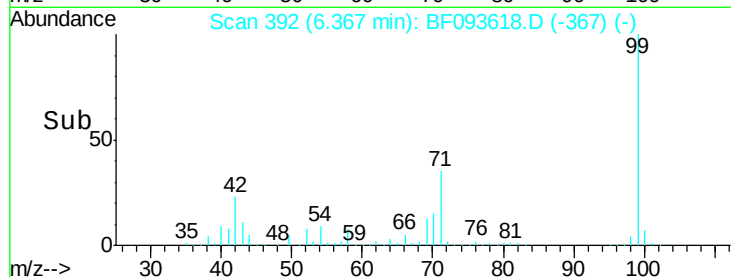
71 35.1 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 6.86 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

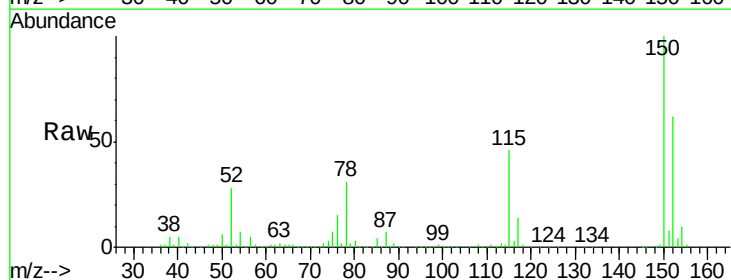
Tgt Ion: 79 Resp: 19591

Ion Ratio Lower Upper

79 100

108 28.3 61.4 92.0#

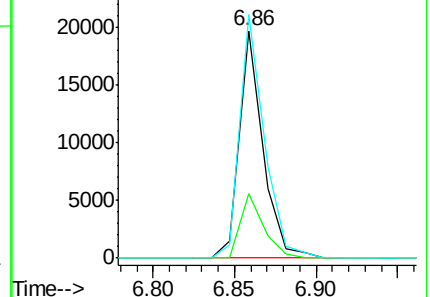
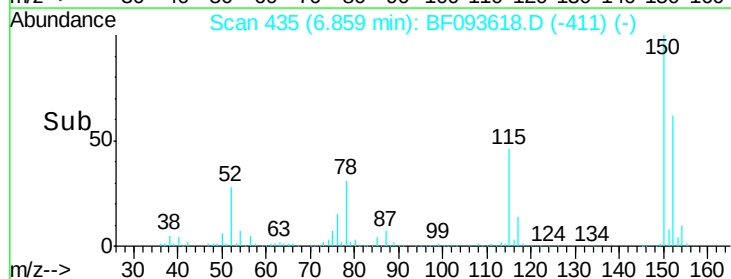
77 107.2 50.9 76.3#

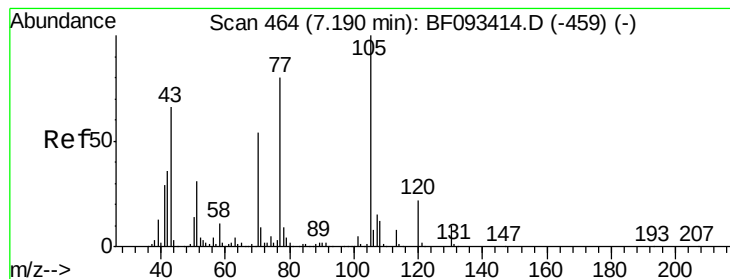


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 18.62 ng

RT: 7.28 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-BOTTOM

Tgt Ion: 70 Resp: 162192

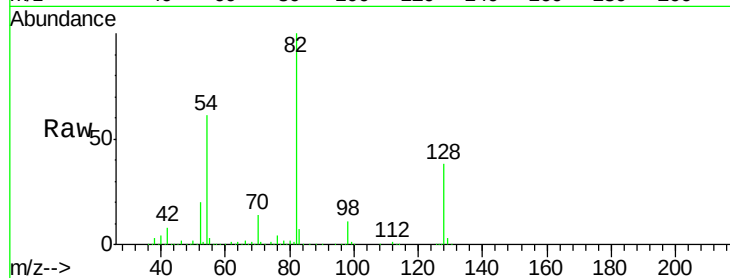
Ion Ratio Lower Upper

70 100

42 54.2 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

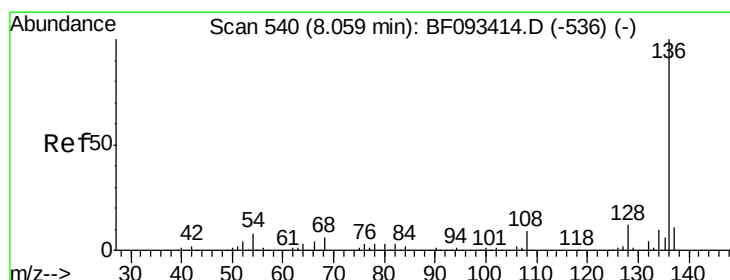
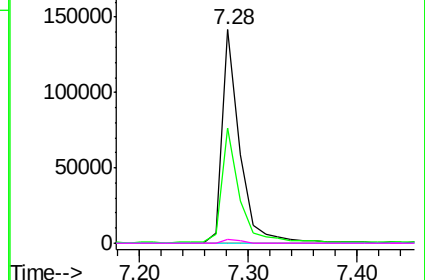
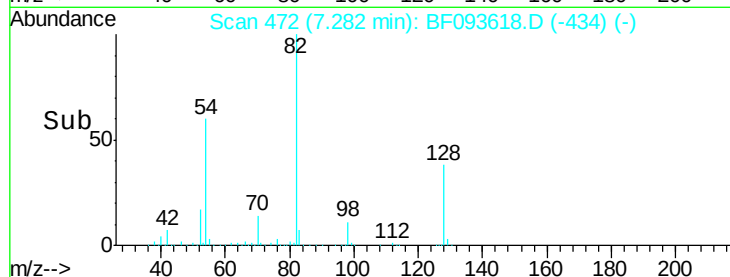


Abundance Ion 70.00 (69.70 to 70.70): BF0

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

Tgt Ion: 136 Resp: 672296

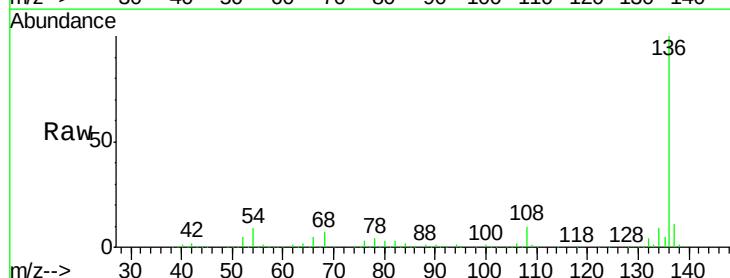
Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 9.0 4.5 6.7#

68 6.6 3.6 5.4#

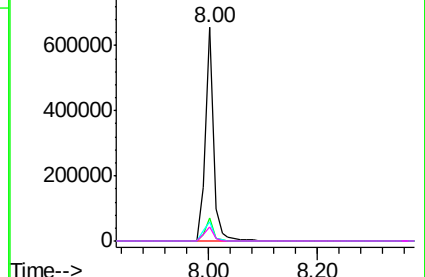
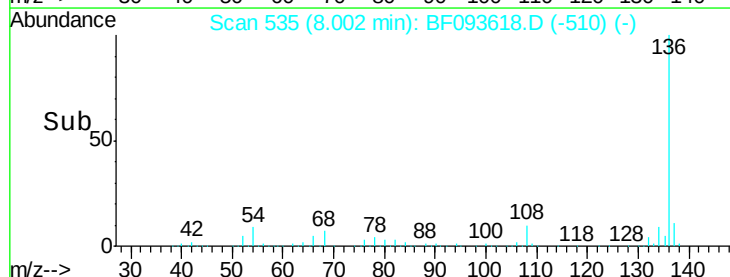


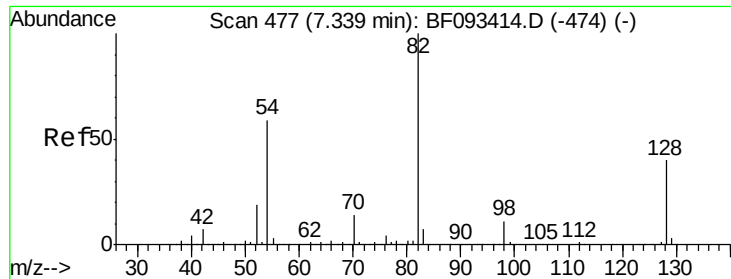
Abundance Ion 136.00 (135.70 to 136.70): E

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

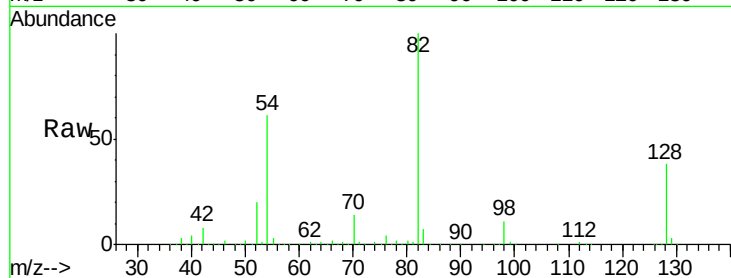




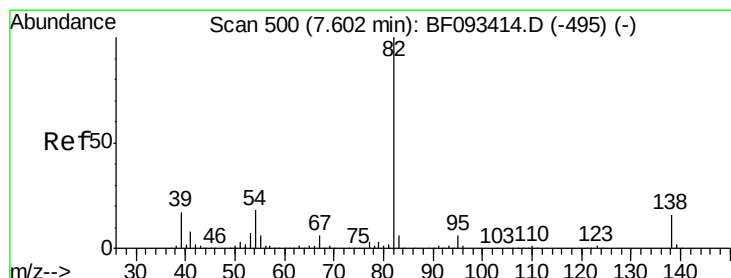
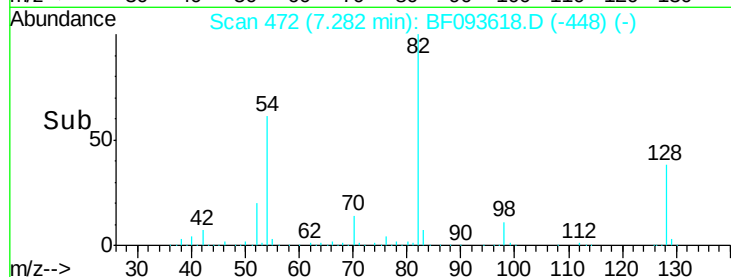
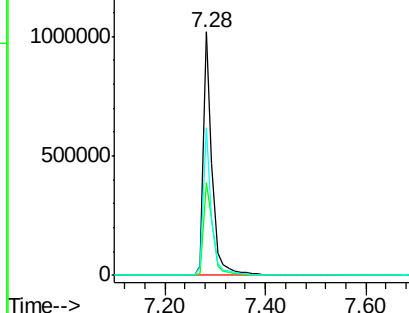
#23
Nitrobenzene-d5
Concen: 100.25 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF093618.D
Acq: 13 Mar 2017 20:12

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-BOTTOM

Tgt Ion: 82 Resp: 1214767
Ion Ratio Lower Upper
82 100
128 38.1 34.6 52.0
54 60.8 39.5 59.3#

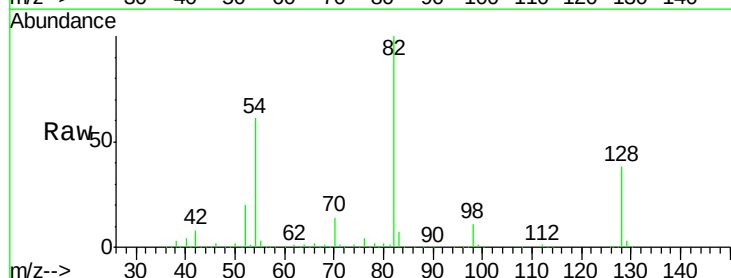


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

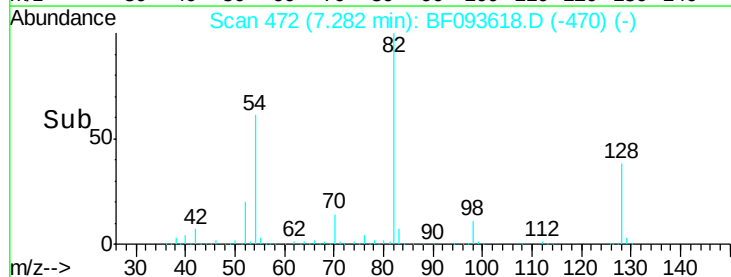
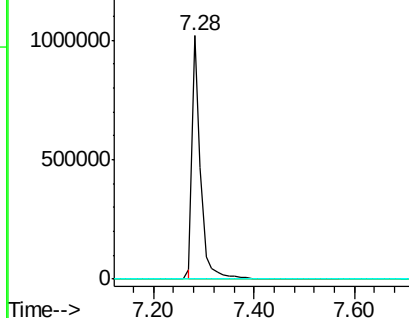


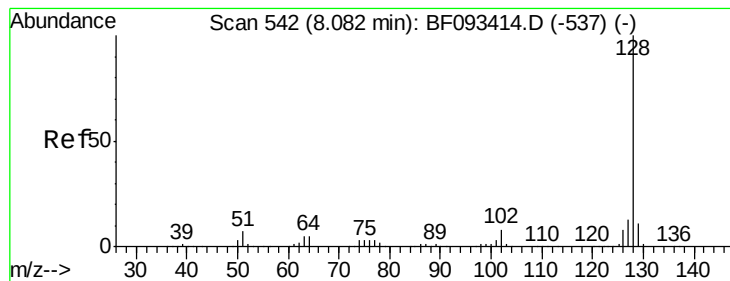
#25
Isophorone
Concen: 48.25 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.27 min
Lab File: BF093618.D
Acq: 13 Mar 2017 20:12

Tgt Ion: 82 Resp: 1178894
Ion Ratio Lower Upper
82 100
95 0.0 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): BF0





#31

Naphthalene

Concen: 3.22 ng

RT: 8.02 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-BOTTOM

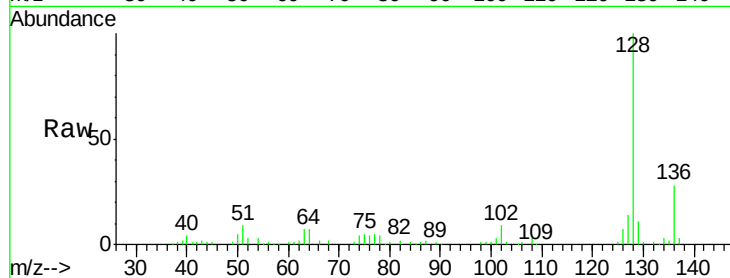
Tgt Ion:128 Resp: 108529

Ion Ratio Lower Upper

128 100

129 11.0 9.5 14.3

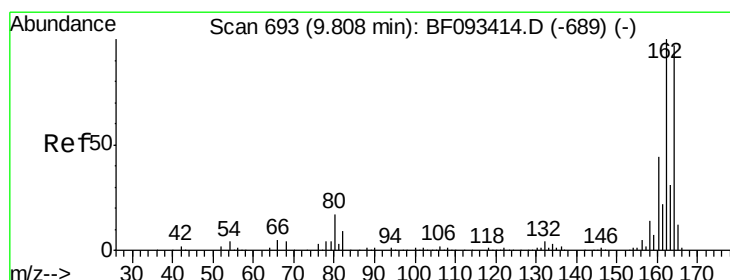
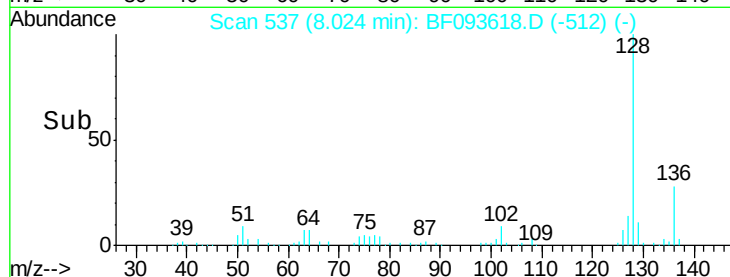
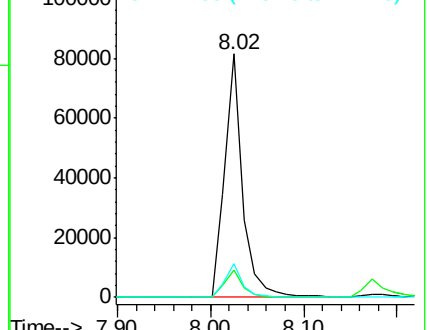
127 13.9 10.8 16.2



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

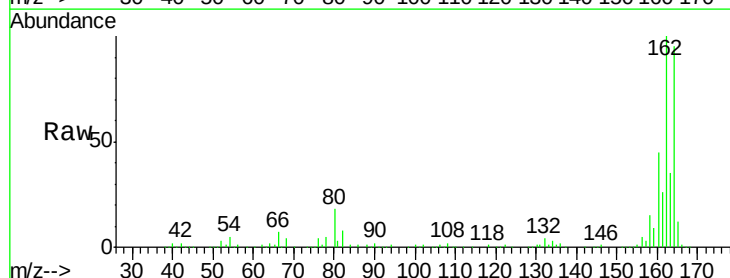
Tgt Ion:164 Resp: 311221

Ion Ratio Lower Upper

164 100

162 105.6 80.2 120.2

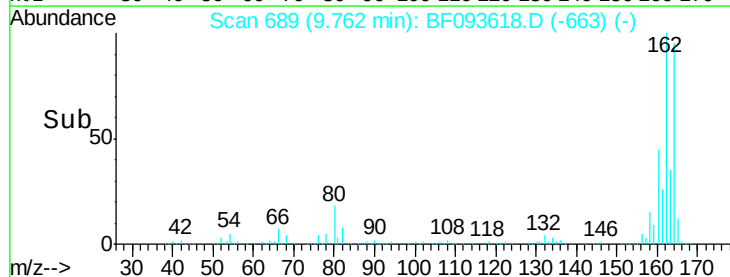
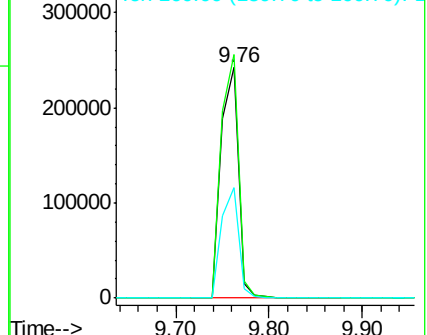
160 47.7 36.9 55.3

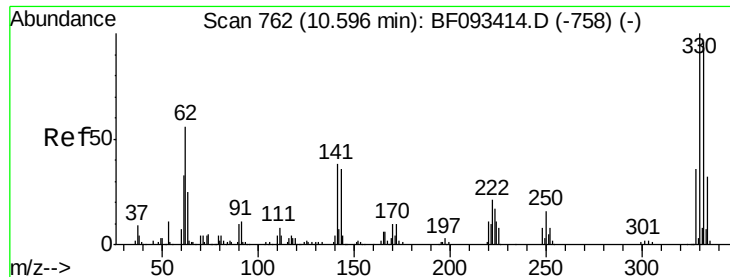


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

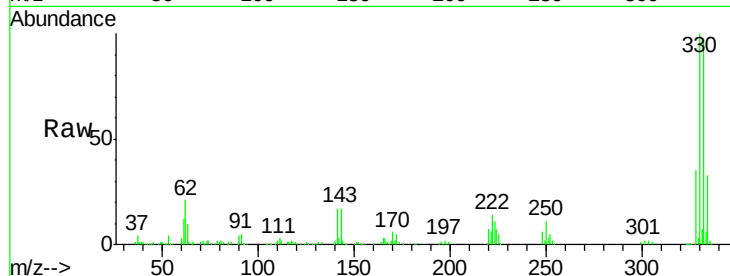




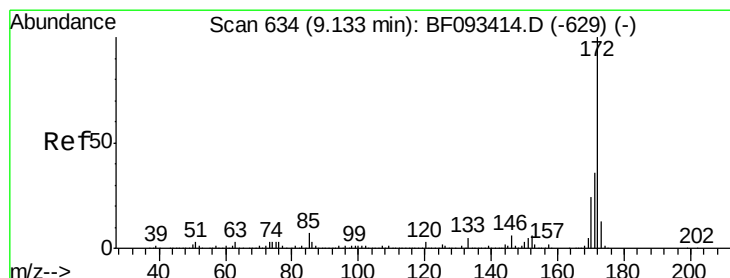
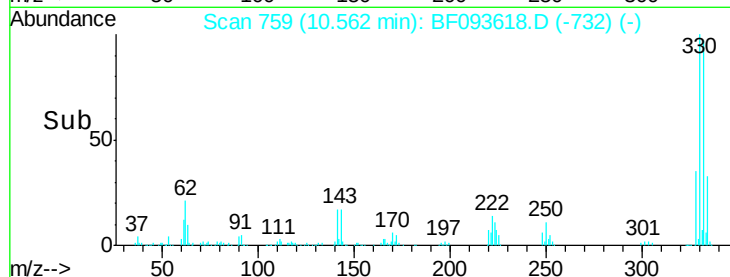
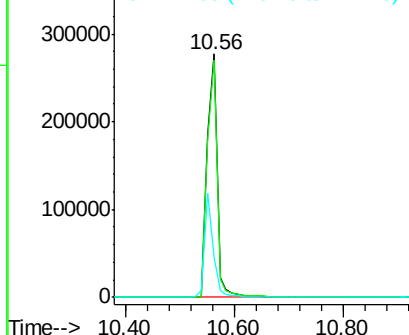
#41
 2,4,6-Tribromophenol
 Concen: 175.08 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093618.D
 Acq: 13 Mar 2017 20:12

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-BOTTOM

Tgt Ion:330 Resp: 354993
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 37.3 34.1 51.1

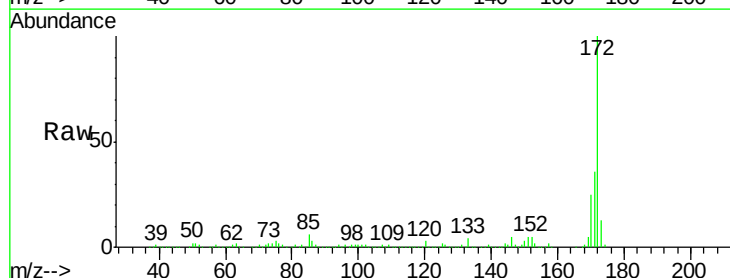


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

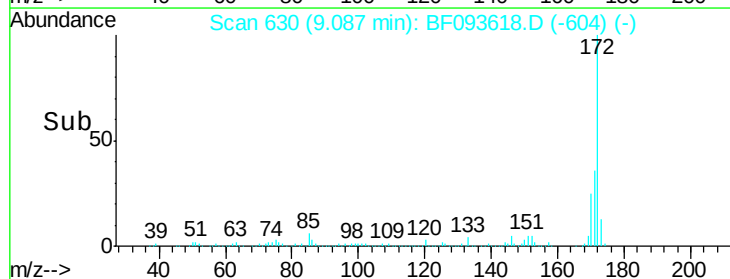
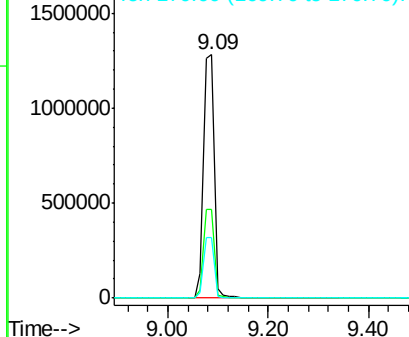


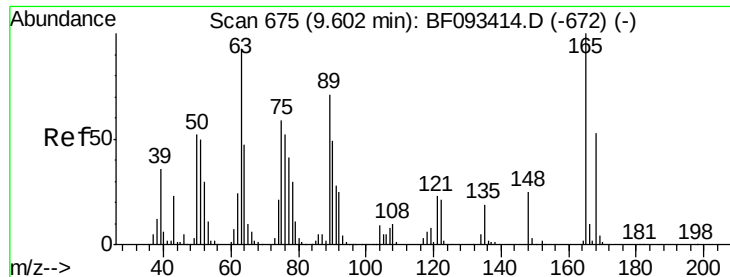
#44
 2-Fluorobiphenyl
 Concen: 113.89 ng
 RT: 9.09 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: BF093618.D
 Acq: 13 Mar 2017 20:12

Tgt Ion:172 Resp: 1905590
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.8 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

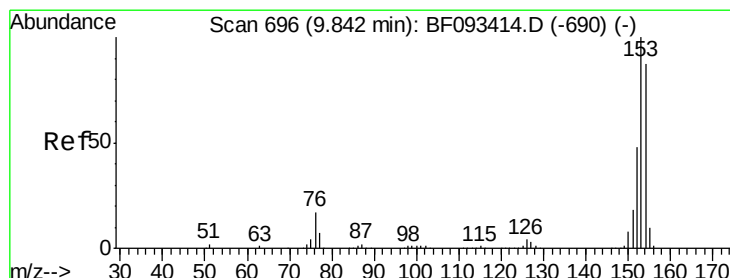
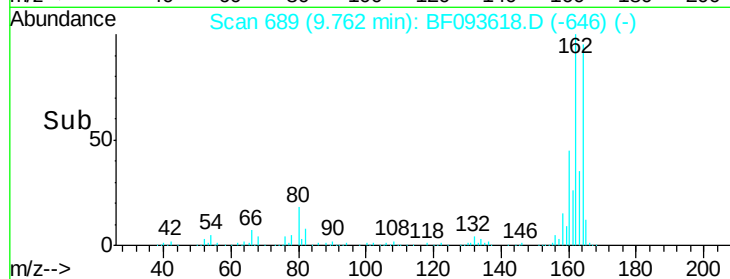
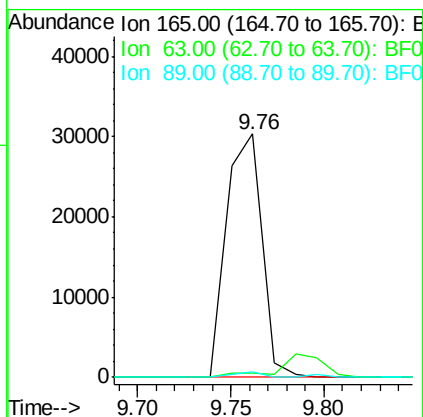
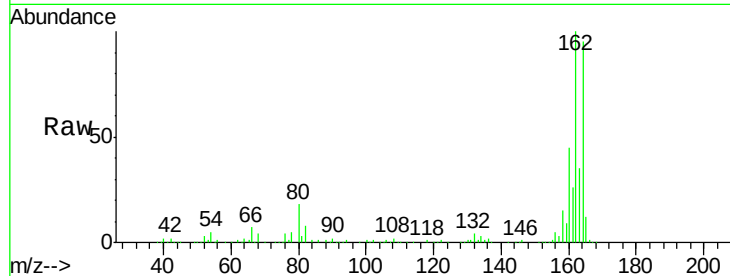




#50
2,6-Dinitrotoluene
Concen: 8.94 ng
RT: 9.76 min Scan# 689
Delta R.T. 0.19 min
Lab File: BF093618.D
Acq: 13 Mar 2017 20:12

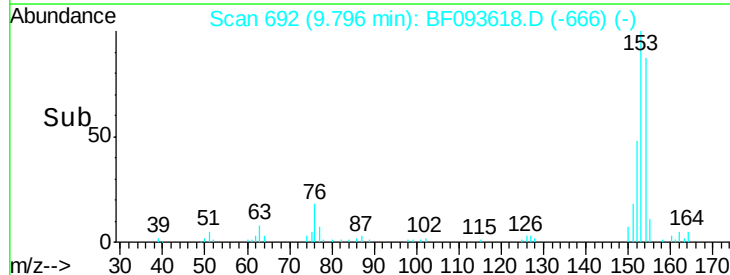
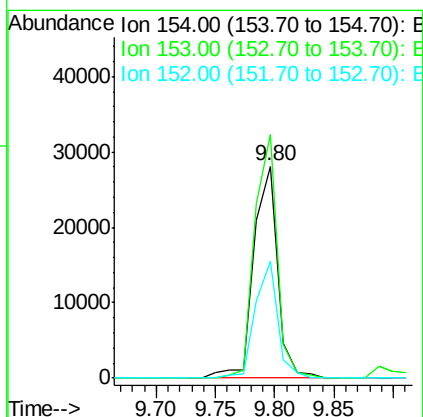
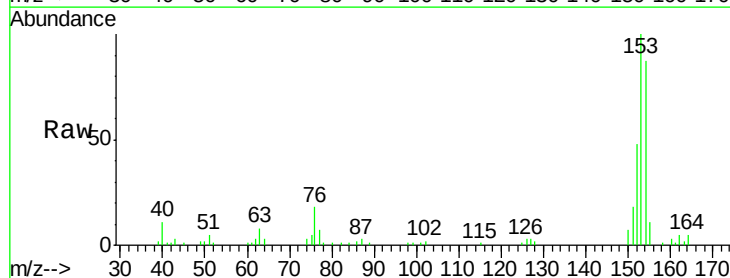
Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-BOTTOM

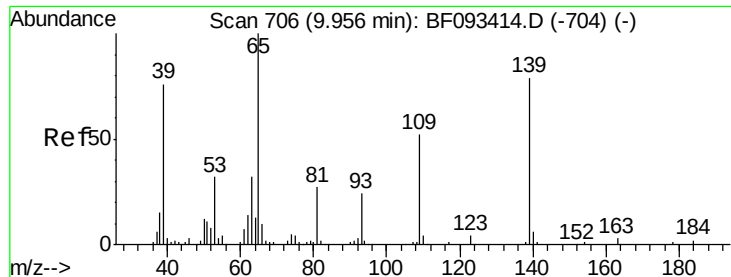
Tgt Ion:165 Resp: 40477
Ion Ratio Lower Upper
165 100
63 1.5 36.2 54.4#
89 2.3 40.2 60.4#



#51
Acenaphthene
Concen: 2.34 ng
RT: 9.80 min Scan# 692
Delta R.T. -0.00 min
Lab File: BF093618.D
Acq: 13 Mar 2017 20:12

Tgt Ion:154 Resp: 39679
Ion Ratio Lower Upper
154 100
153 114.8 88.6 133.0
152 55.0 41.6 62.4





#55

4-Nitrophenol

Concen: 2.85 ng

RT: 9.98 min Scan# 708

Delta R.T. 0.05 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-BOTTOM

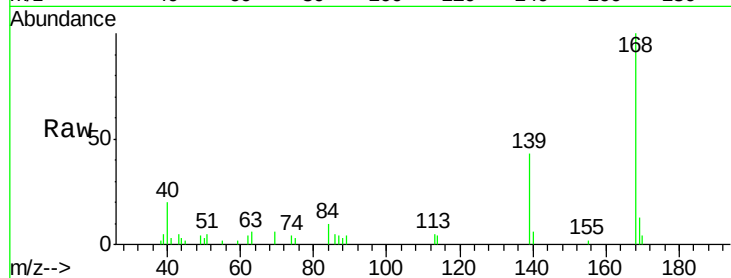
Tgt Ion:139 Resp: 7530

Ion Ratio Lower Upper

139 100

109 0.0 52.2 92.2#

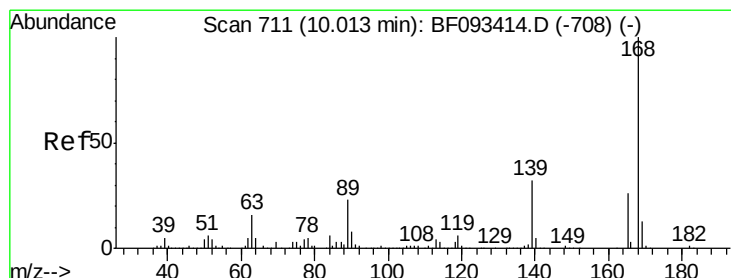
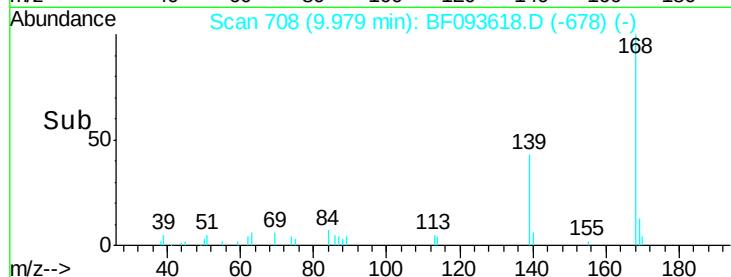
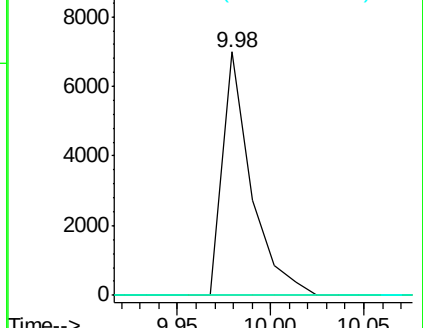
65 0.0 85.8 125.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 7.28 ng

RT: 9.76 min Scan# 689

Delta R.T. -0.22 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

Tgt Ion:165 Resp: 40477

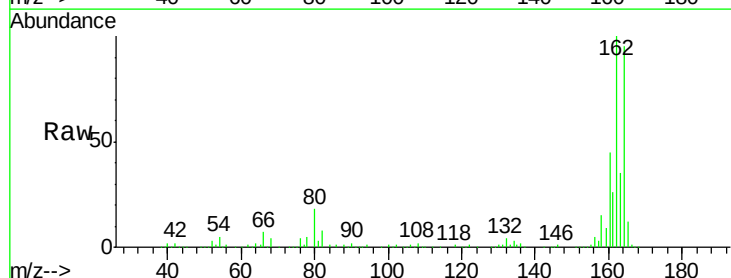
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 2.3 62.5 93.7#

182 0.0 1.8 2.8#

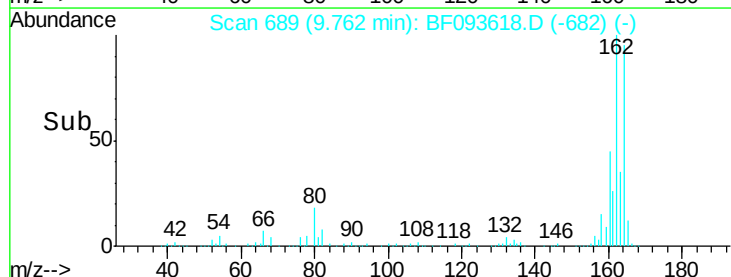
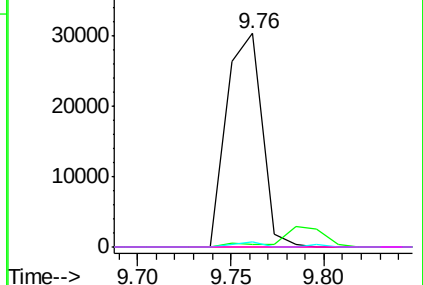


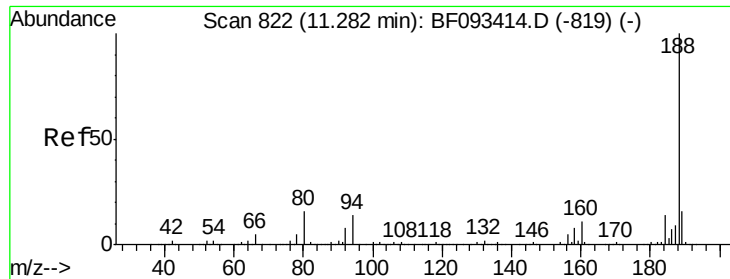
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

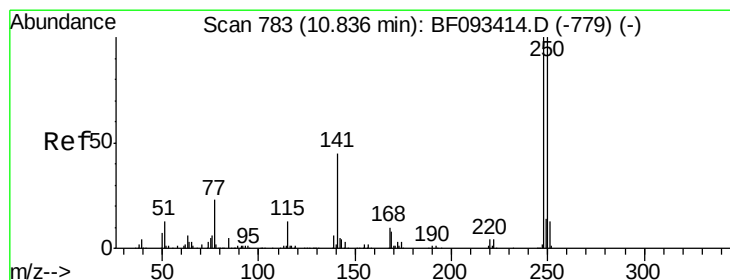
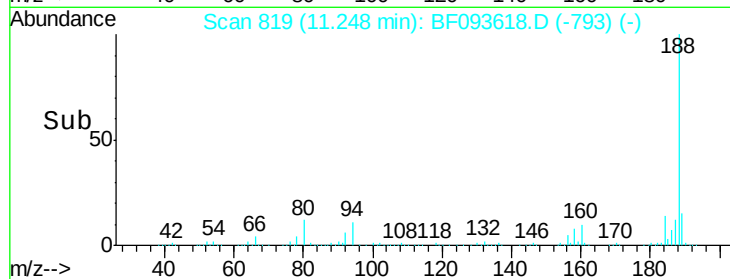
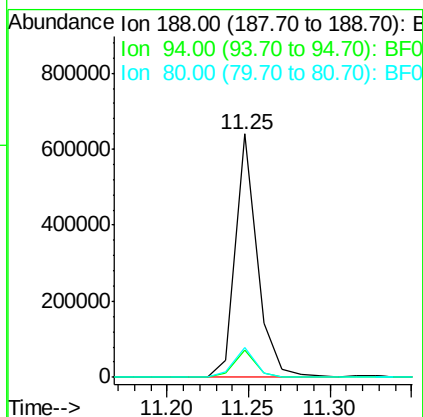
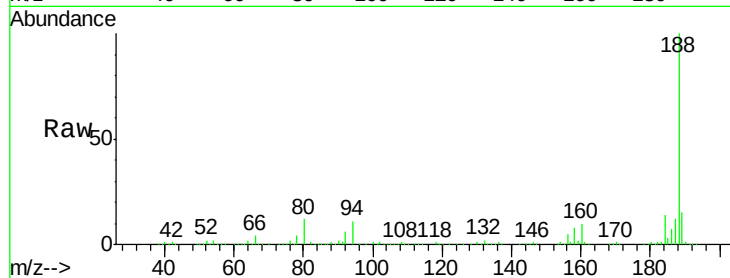




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF093618.D
 Acq: 13 Mar 2017 20:12

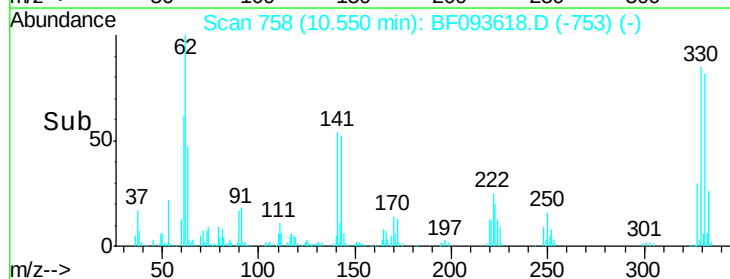
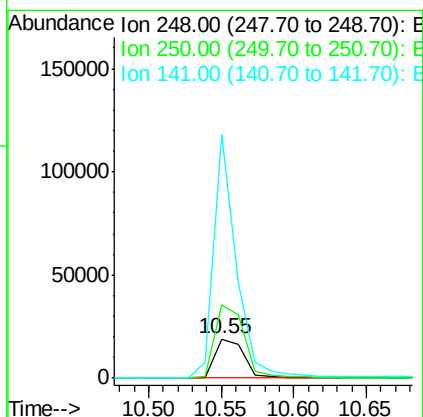
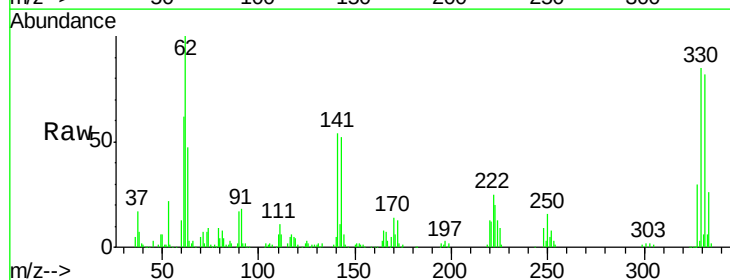
Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-BOTTOM

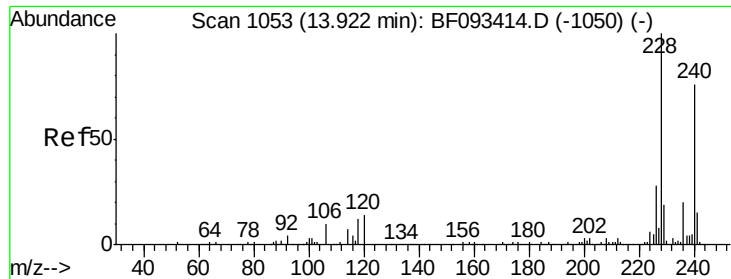
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	10.0	15.0
80	12.2	11.2	16.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.17 ng
 RT: 10.55 min Scan# 758
 Delta R.T. -0.24 min
 Lab File: BF093618.D
 Acq: 13 Mar 2017 20:12

Tgt Ion	Ratio	Lower	Upper
248	100		
250	188.4	76.9	115.3#
141	623.3	68.2	102.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-BOTTOM

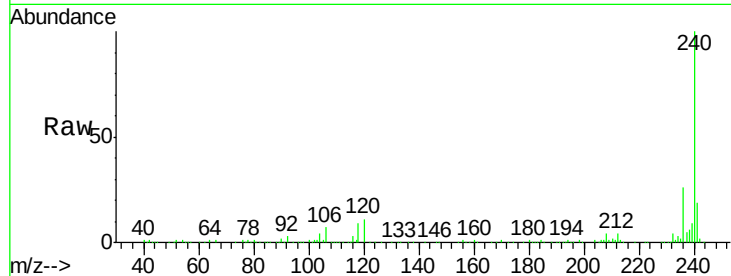
Tgt Ion:240 Resp: 444713

Ion Ratio Lower Upper

240 100

120 10.9 12.9 19.3#

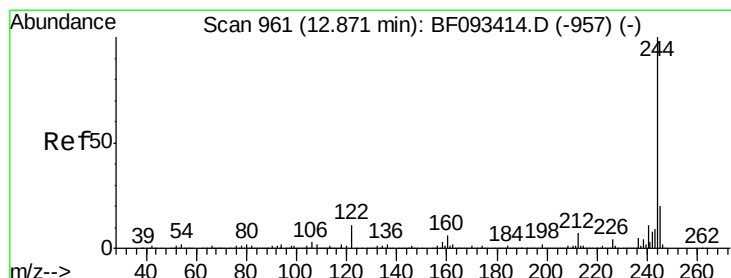
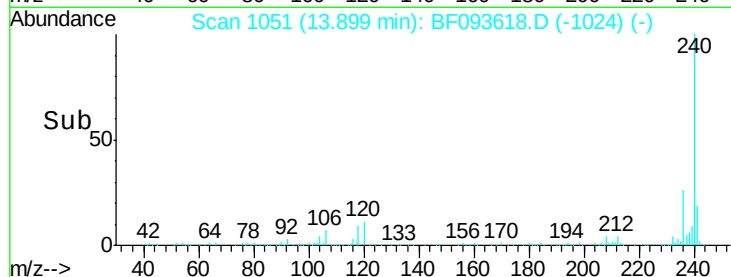
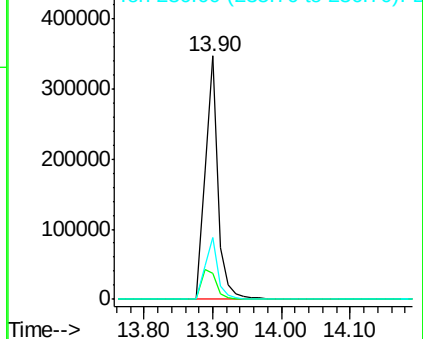
236 25.6 20.9 31.3



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: 87.50 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

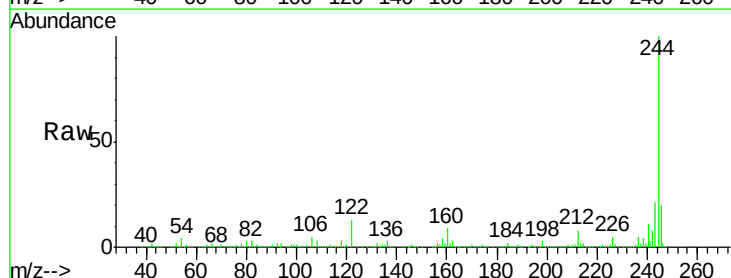
Tgt Ion:244 Resp: 1496662

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

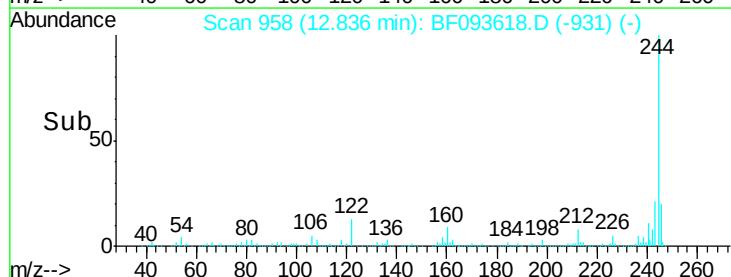
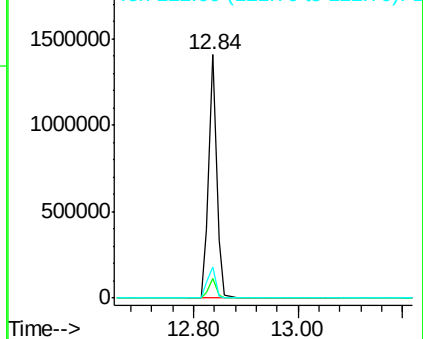
122 13.0 11.4 17.2

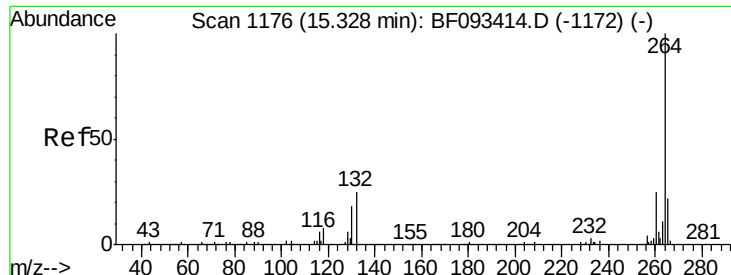


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

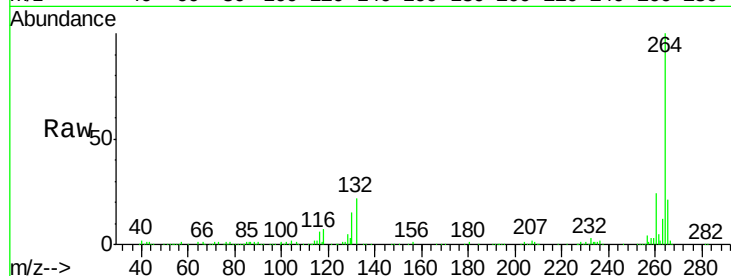




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BF093618.D
Acq: 13 Mar 2017 20:12

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-BOTTOM

Tgt Ion: 264 Resp: 312602
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 20.7 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

