

Data Path : Z:\HPCHEM1\BNA F\Data\BF042117\
 Data File : BF094562.D
 Acq On : 21 Apr 2017 14:23
 Operator : SJ/MA
 Sample : I2744-01DL 20X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 21 15:39:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

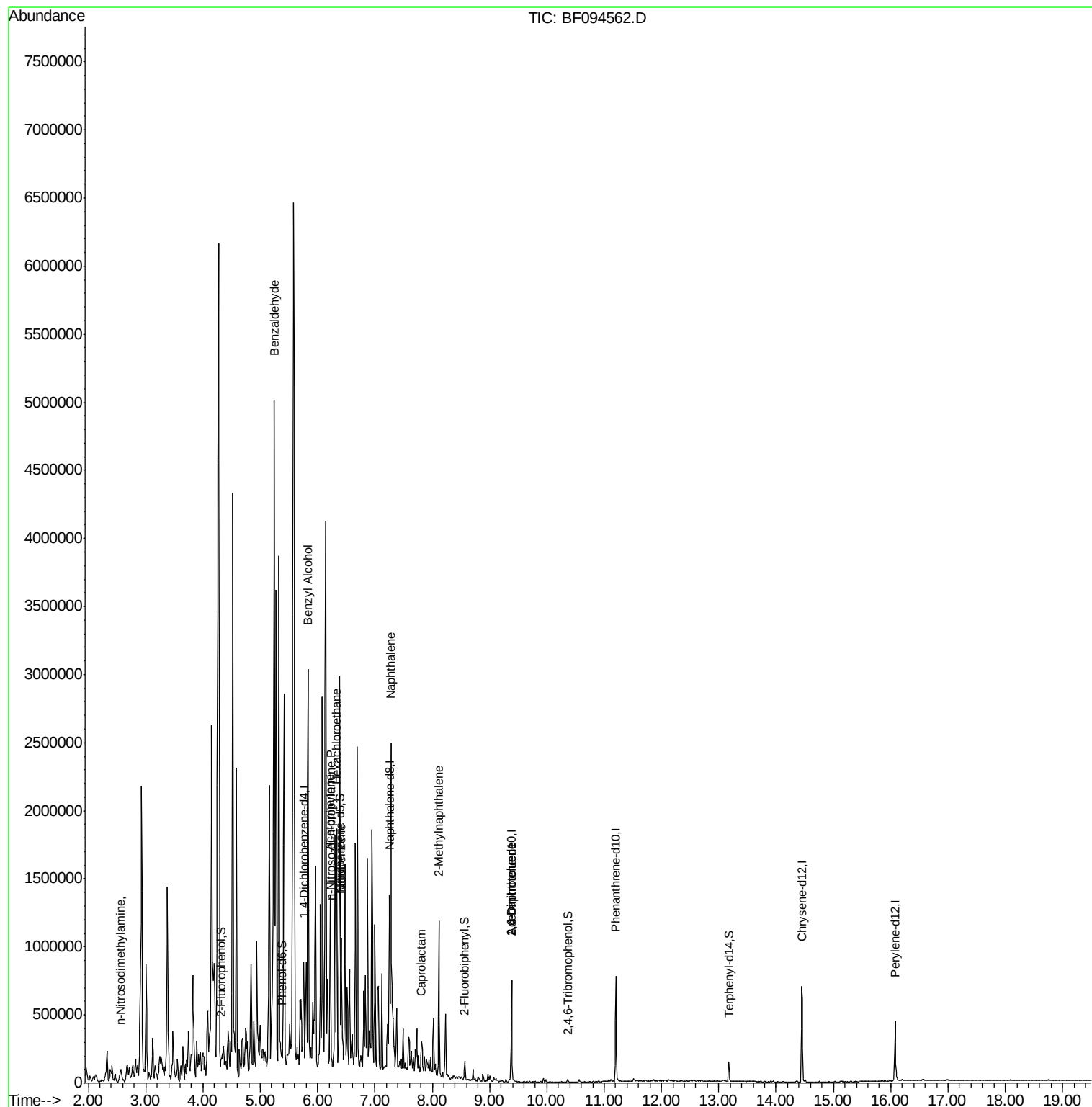
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	89350	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	352170	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	168842	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	326574	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	285796	20.00	ng	-0.02
86) Perylene-d12	16.08	264	205839	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	21645	4.02	ng	0.00
7) Phenol-d6	5.38	99	30821	4.85	ng	0.00
23) Nitrobenzene-d5	6.40	82	28734	5.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	3160	2.39	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	49299	4.30	ng	-0.02
78) Terphenyl-d14	13.18	244	51294	4.80	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	2.56	42	6921	2.44	ng	# 1
9) Benzaldehyde	5.24	77	284254	58.85	ng	# 1
15) Benzyl Alcohol	5.83	79	90272	19.17	ng	# 8
18) Hexachloroethane	6.33	117	48346	20.65	ng	# 1
19) n-Nitroso-di-n-propylamine	6.23	70	11307	2.69	ng	# 63
22) Acetophenone	6.22	105	420466	49.10	ng	# 50
24) Nitrobenzene	6.41	77	14862	2.47	ng	# 9
31) Naphthalene	7.28	128	698243	41.24	ng	100
35) Caprolactam	7.81	113	3838	2.51	ng	# 31
37) 2-Methylnaphthalene	8.12	142	331844	28.65	ng	98
50) 2,6-Dinitrotoluene	9.38	165	21228	7.52	ng	# 33
56) 2,4-Dinitrotoluene	9.38	165	21350	6.16	ng	# 32

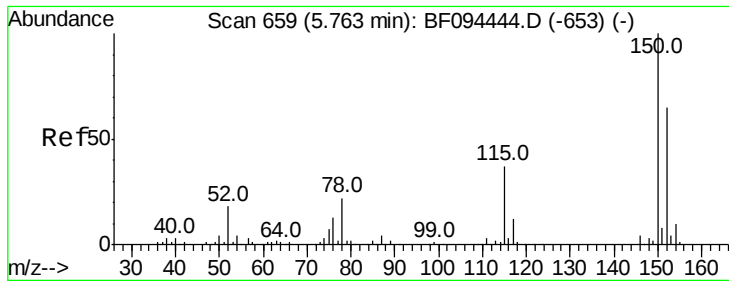
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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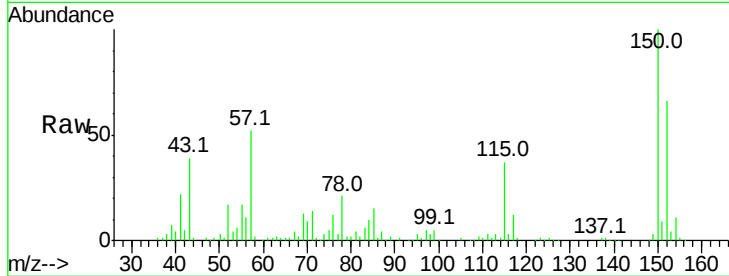


#1

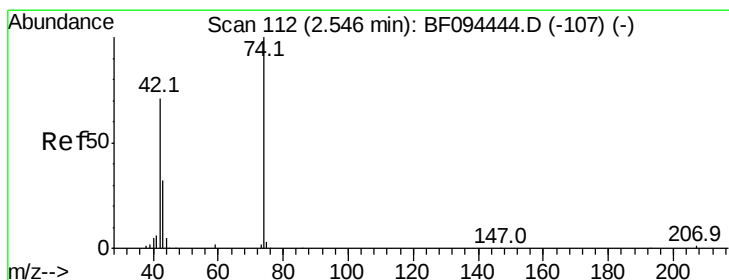
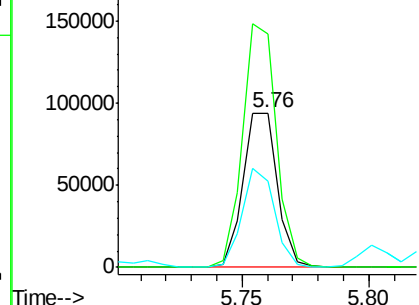
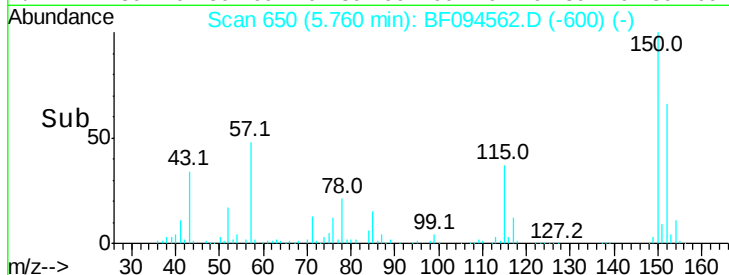
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094562.D
Acq: 21 Apr 2017 14:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 89350
Ion Ratio Lower Upper
152 100
150 151.1 126.2 189.2
115 56.2 52.2 78.2



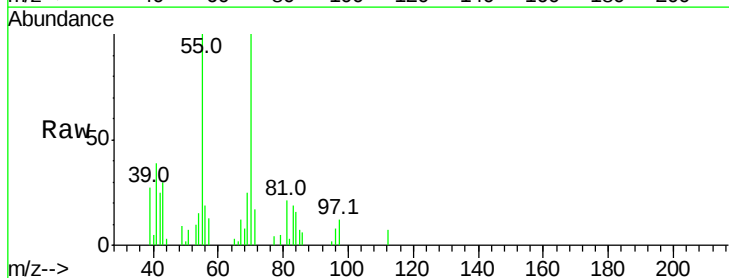
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



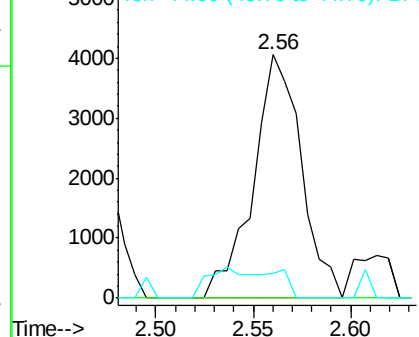
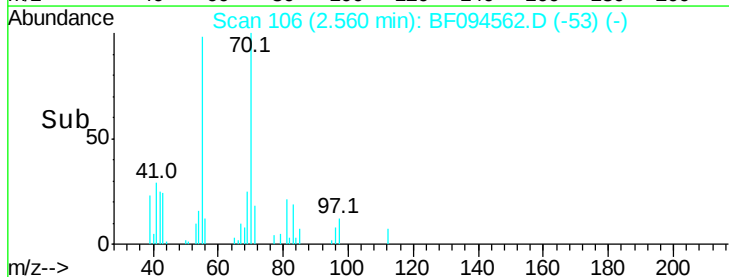
#4

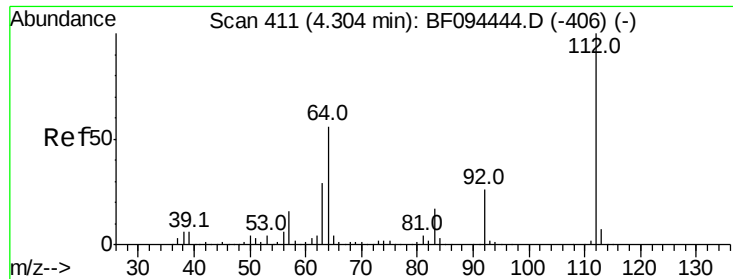
n-Nitrosodimethylamine
Concen: 2.44 ng
RT: 2.56 min Scan# 106
Delta R.T. 0.01 min
Lab File: BF094562.D
Acq: 21 Apr 2017 14:23

Tgt Ion: 42 Resp: 6921
Ion Ratio Lower Upper
42 100
74 0.0 103.9 155.9#
44 10.4 5.7 8.5#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0

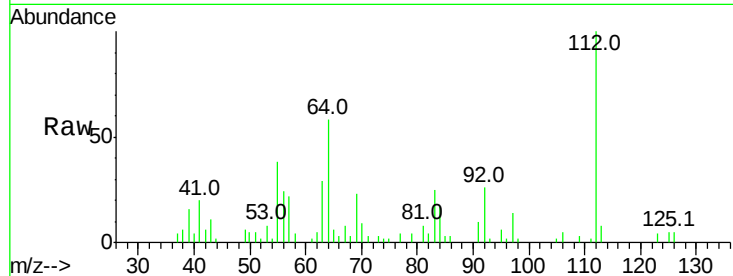




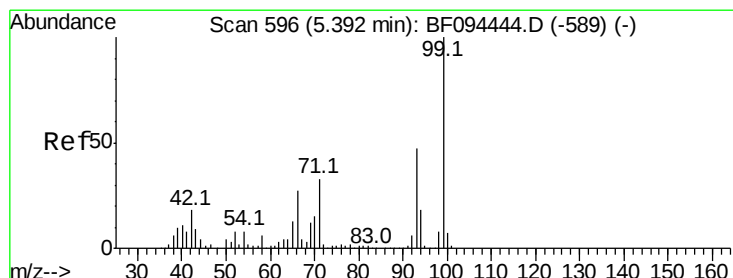
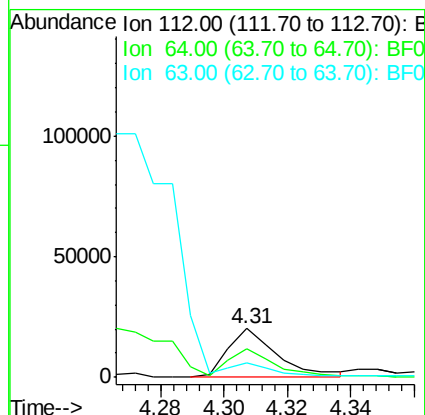
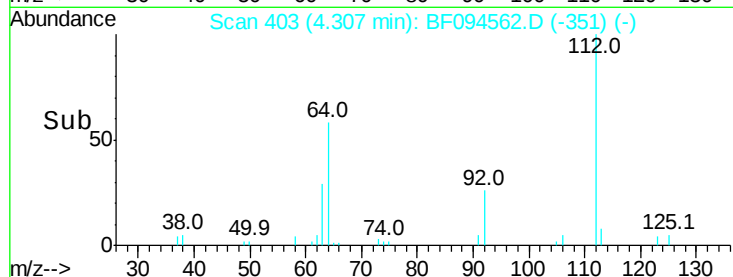
#5
2-Fluorophenol
Concen: 4.02 ng
RT: 4.31 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF094562.D
Acq: 21 Apr 2017 14:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:112 Resp: 21645
Ion Ratio Lower Upper
112 100
64 57.9 46.0 69.0
63 29.0 23.4 35.0

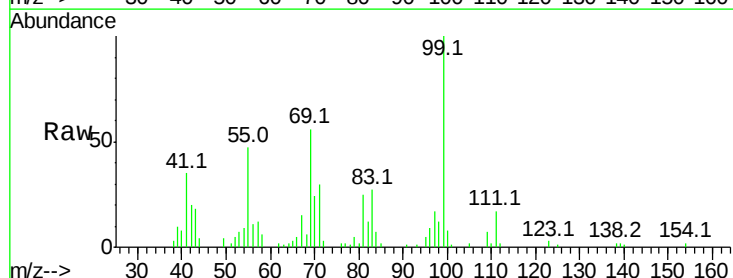


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0

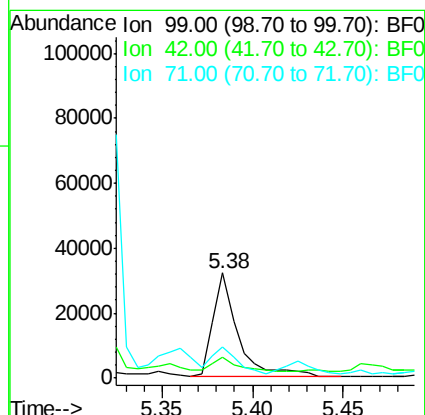
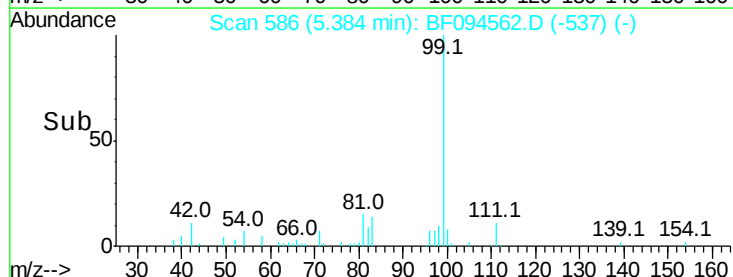


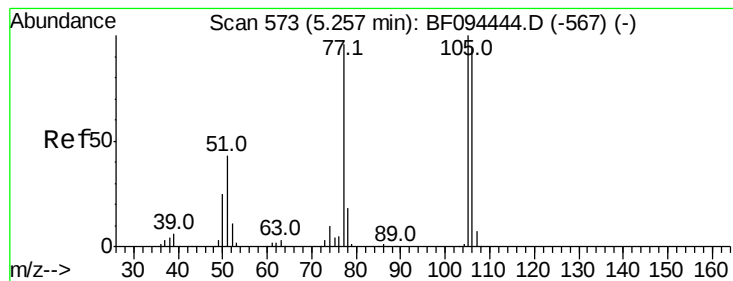
#7
Phenol-d6
Concen: 4.85 ng
RT: 5.38 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF094562.D
Acq: 21 Apr 2017 14:23

Tgt Ion: 99 Resp: 30821
Ion Ratio Lower Upper
99 100
42 19.8 13.5 20.3
71 29.8 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: 58.85 ng

RT: 5.24 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF094562.D

Acq: 21 Apr 2017 14:23

Instrument :

BNA_F

ClientSampled :

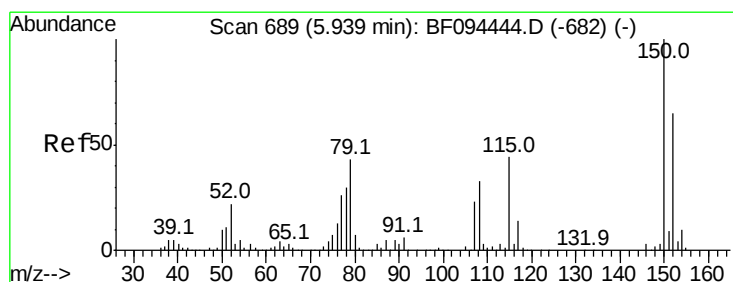
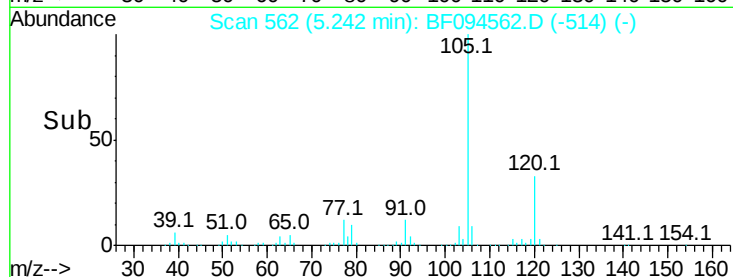
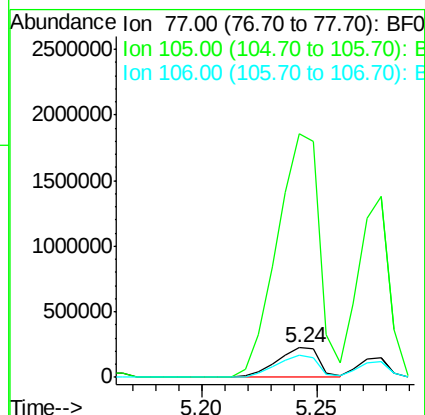
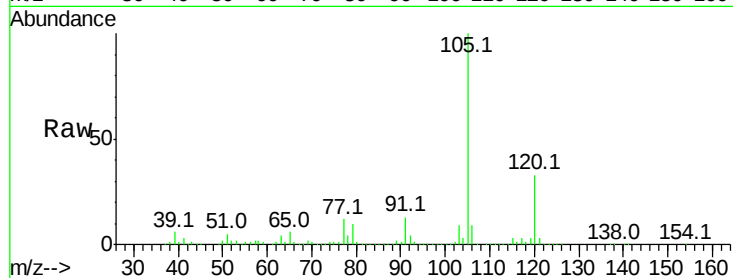
Tot Ion: 77 Resp: 284254

Ion Ratio Lower Upper

77 100

105 821.8 83.8 123.8#

106 76.9 79.1 119.1#



#15

Benzyl Alcohol

Concen: 19.17 ng

RT: 5.83 min Scan# 662

Delta R.T. -0.11 min

Lab File: BF094562.D

Acq: 21 Apr 2017 14:23

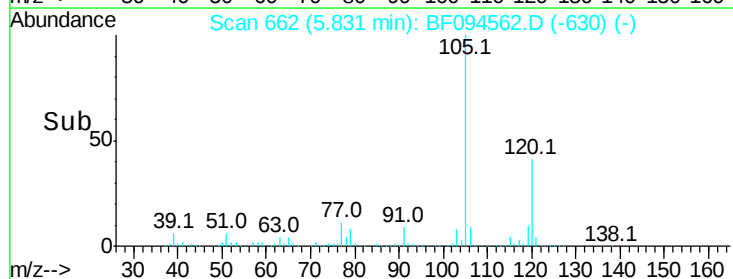
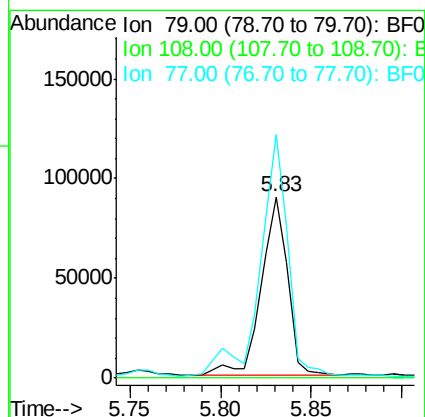
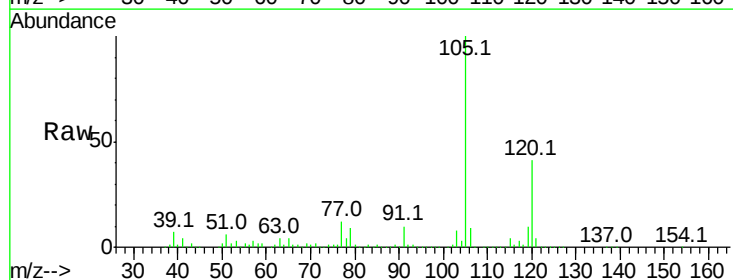
Tgt Ion: 79 Resp: 90272

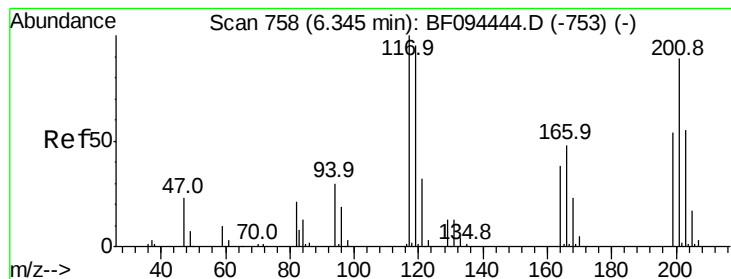
Ion Ratio Lower Upper

79 100

108 0.0 63.4 95.0#

77 134.4 49.2 73.8#





#18

Hexachloroethane

Concen: 20.65 ng

RT: 6.33 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF094562.D

Acq: 21 Apr 2017 14:23

Instrument :

BNA_F

ClientSampleId :

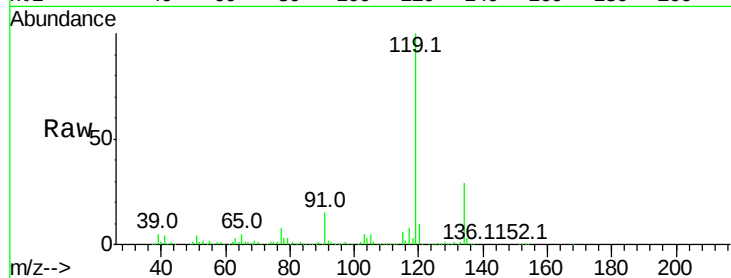
Tot Ion:117 Resp: 48346

Ion Ratio Lower Upper

117 100

119 1267.0 77.4 116.0#

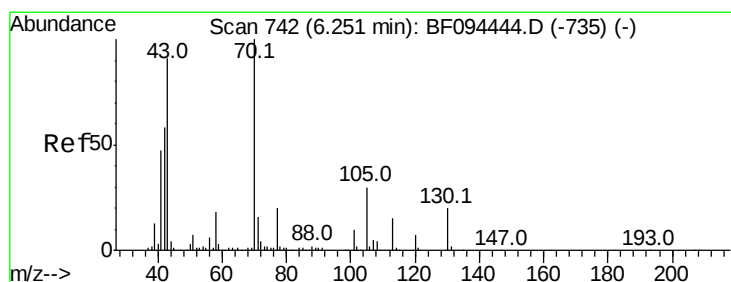
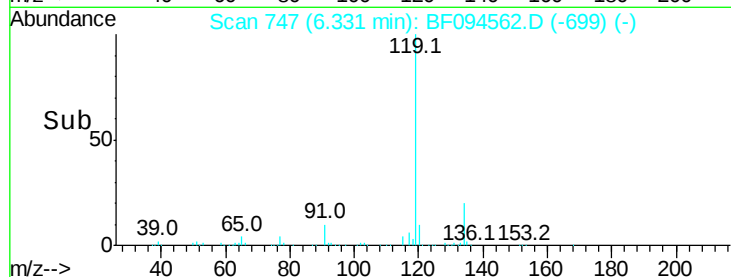
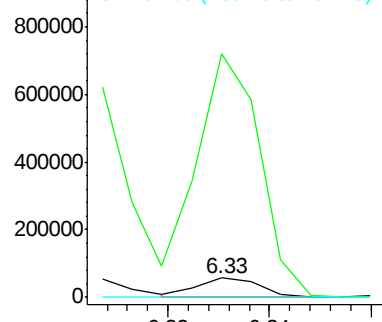
201 0.0 94.6 141.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 2.69 ng

RT: 6.23 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF094562.D

Acq: 21 Apr 2017 14:23

Tgt Ion: 70 Resp: 11307

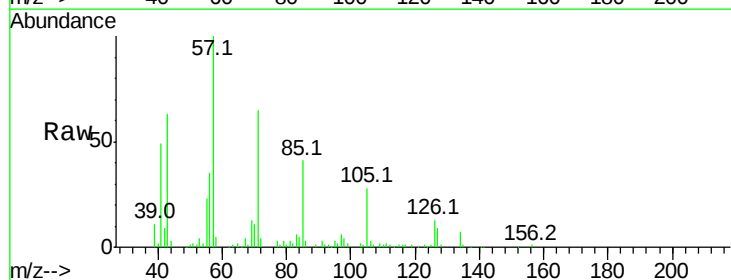
Ion Ratio Lower Upper

70 100

42 86.9 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

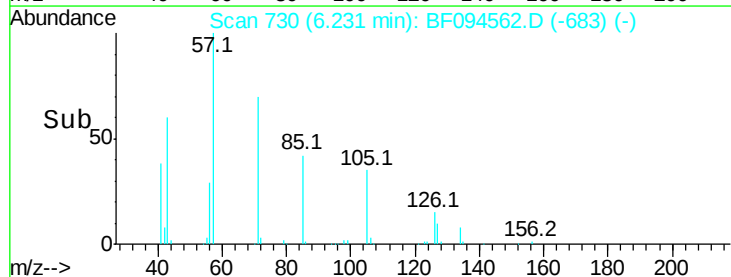
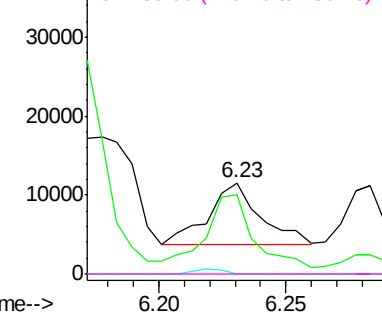


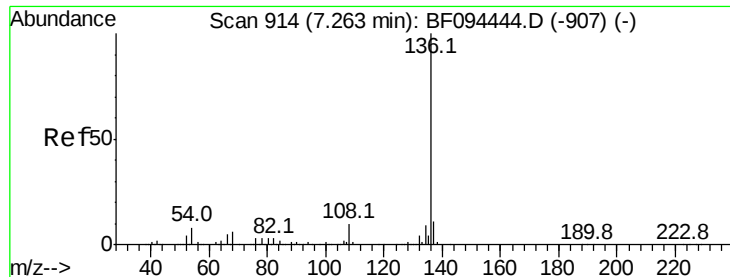
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094562.D

Acq: 21 Apr 2017 14:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 352170

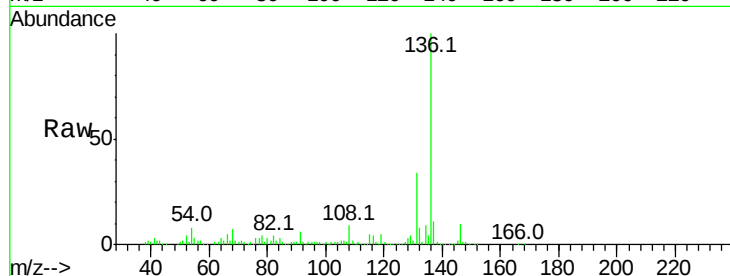
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.9 4.9 7.3#

68 6.5 4.1 6.1#

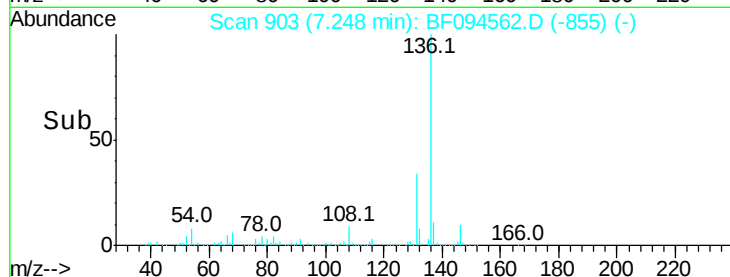


Abundance Ion 136.00 (135.70 to 136.70): E

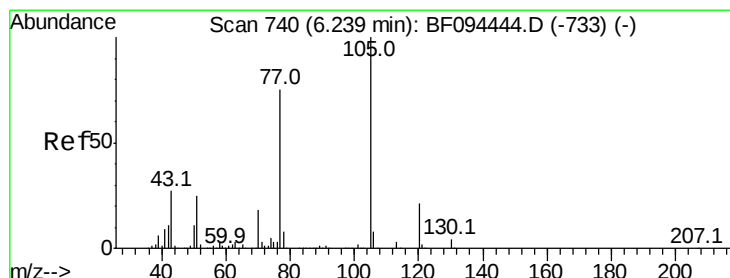
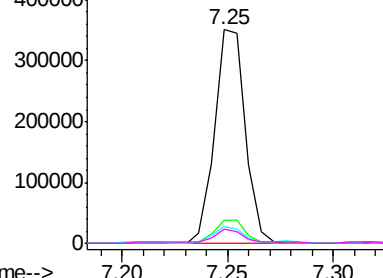
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 49.10 ng

RT: 6.22 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF094562.D

Acq: 21 Apr 2017 14:23

Tgt Ion:105 Resp: 420466

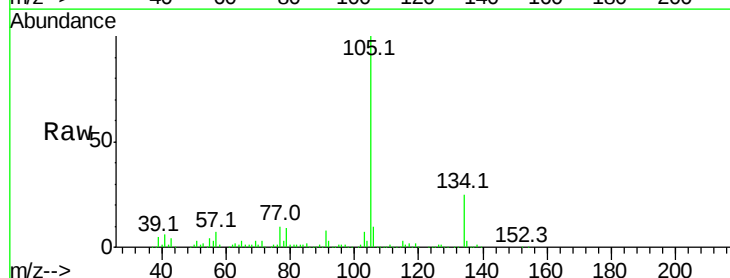
Ion Ratio Lower Upper

105 100

71 3.2 2.8 4.2

51 3.4 30.7 46.1#

120 0.3 17.4 26.0#

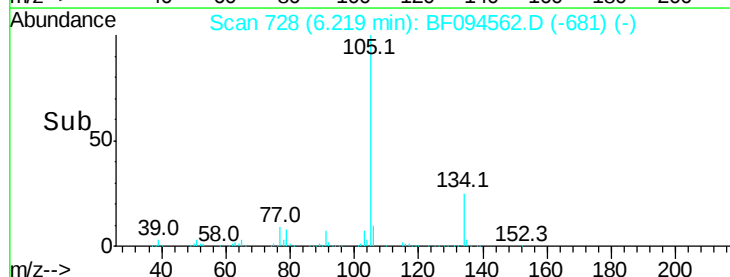


Abundance Ion 105.00 (104.70 to 105.70): E

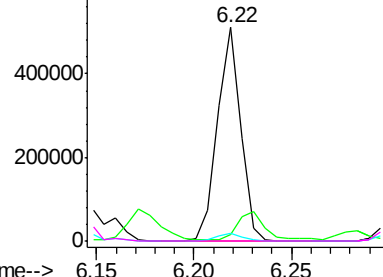
Ion 71.00 (70.70 to 71.70): BF0

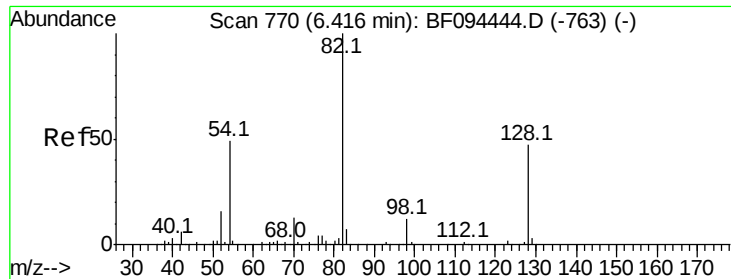
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

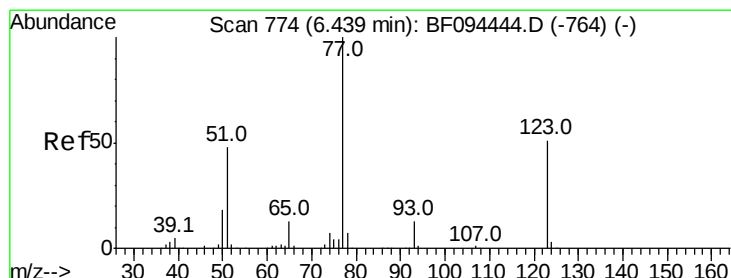
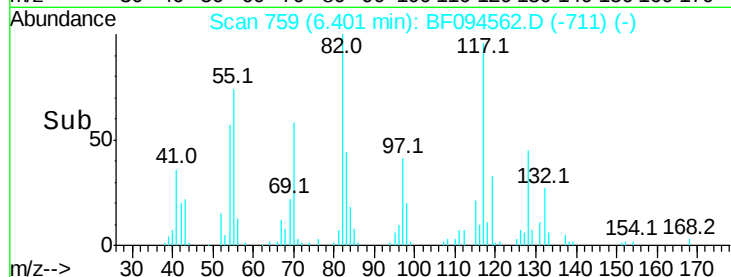
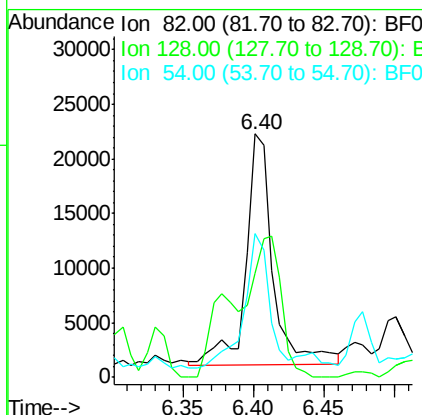
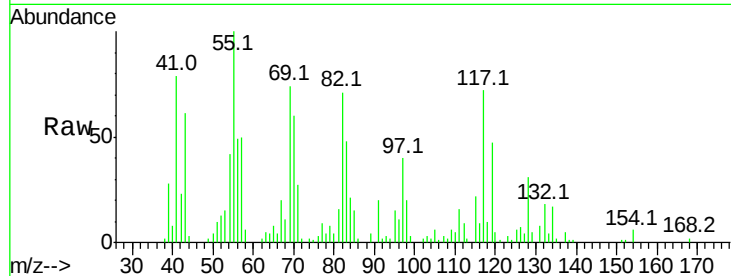




#23
Nitrobenzene-d5
Concen: 5.04 ng
RT: 6.40 min Scan# 759
Delta R.T. -0.01 min
Lab File: BF094562.D
Acq: 21 Apr 2017 14:23

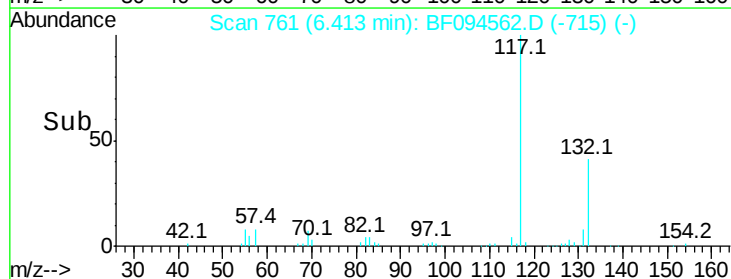
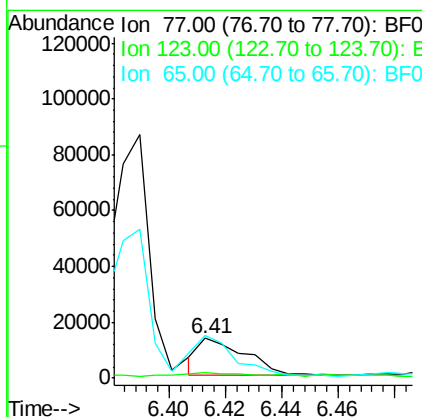
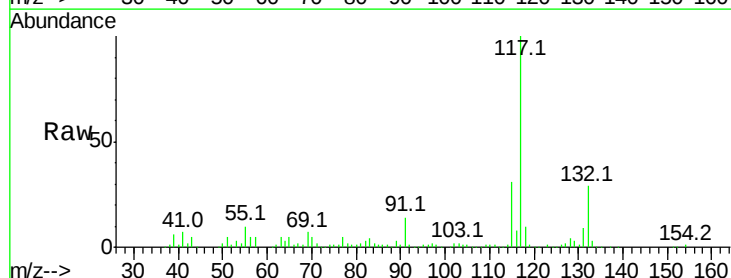
Instrument :
BNA_F
ClientSampled :

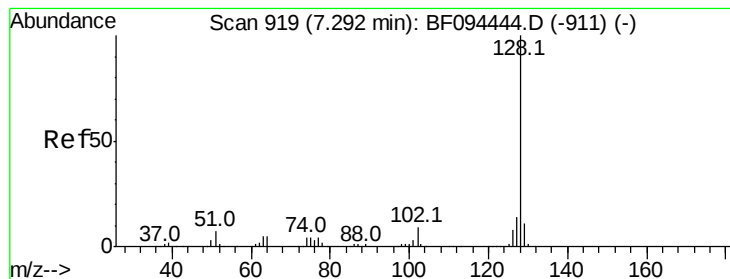
Tot Ion: 82 Resp: 28734
Ion Ratio Lower Upper
82 100
128 42.8 34.0 51.0
54 59.2 42.2 63.2



#24
Nitrobenzene
Concen: 2.47 ng
RT: 6.41 min Scan# 761
Delta R.T. -0.03 min
Lab File: BF094562.D
Acq: 21 Apr 2017 14:23

Tgt Ion: 77 Resp: 14862
Ion Ratio Lower Upper
77 100
123 12.5 35.8 53.8#
65 106.3 10.6 15.8#





#31

Naphthalene

Concen: 41.24 ng

RT: 7.28 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF094562.D

Acq: 21 Apr 2017 14:23

Instrument :

BNA_F

ClientSampleId :

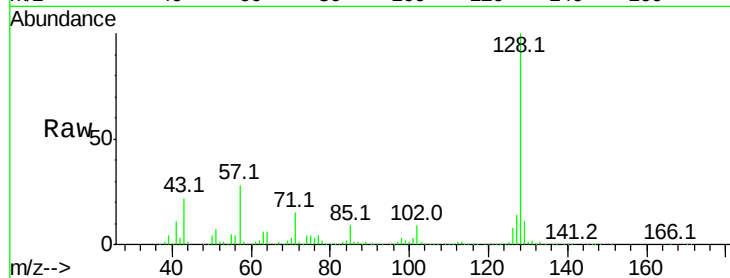
Tot Ion:128 Resp: 698243

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

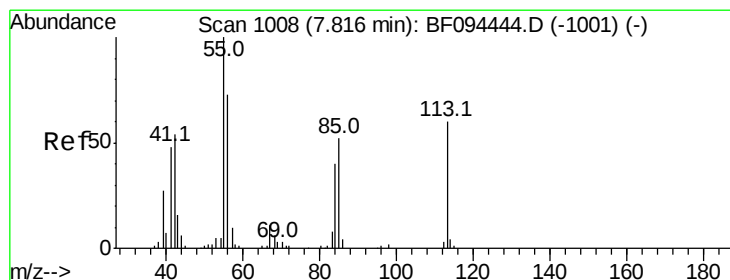
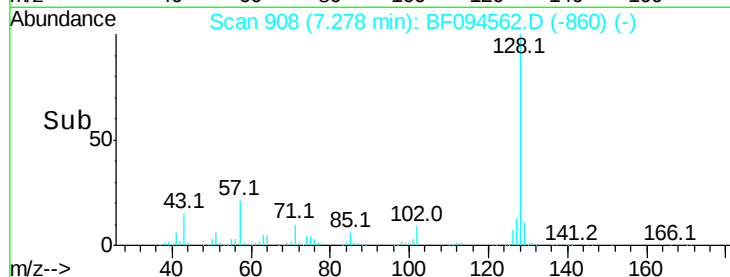
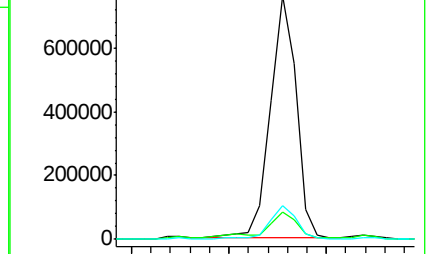
127 13.6 10.8 16.2



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



#35

Caprolactam

Concen: 2.51 ng

RT: 7.81 min Scan# 999

Delta R.T. -0.00 min

Lab File: BF094562.D

Acq: 21 Apr 2017 14:23

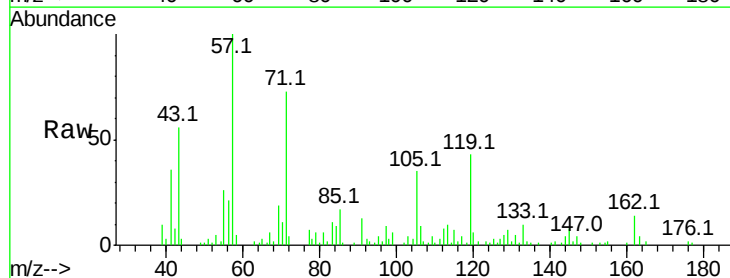
Tgt Ion:113 Resp: 3838

Ion Ratio Lower Upper

113 100

55 257.5 150.2 190.2#

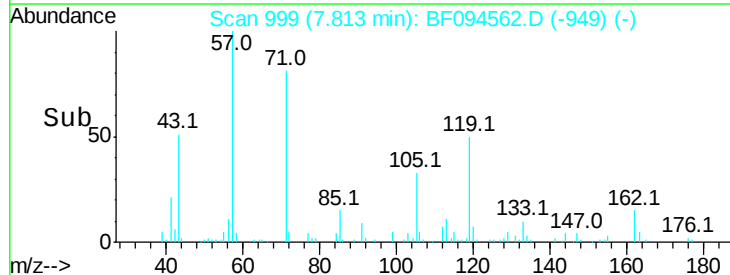
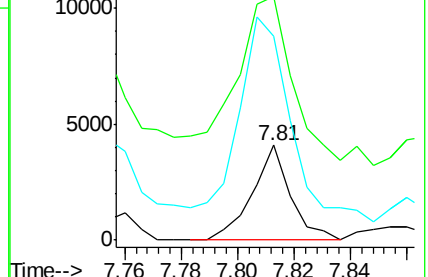
56 215.4 107.8 147.8#

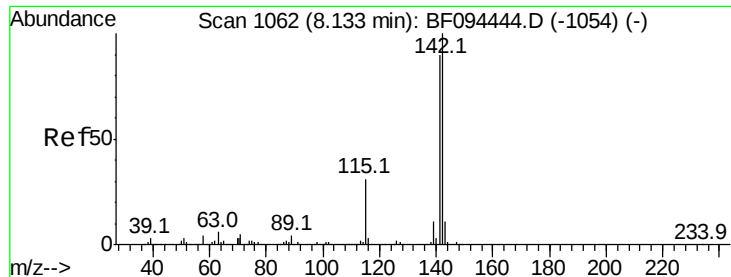


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

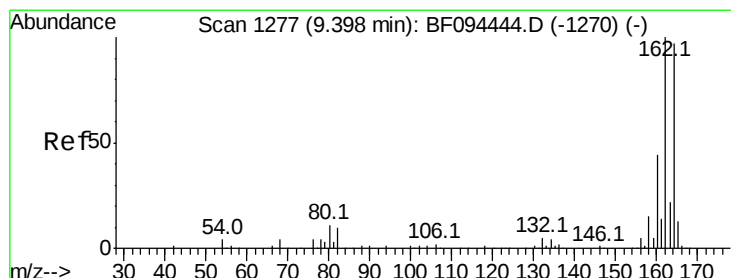
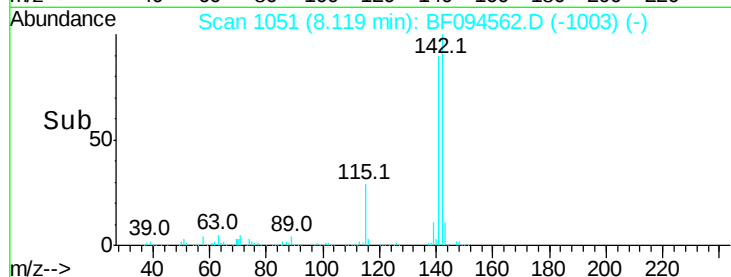
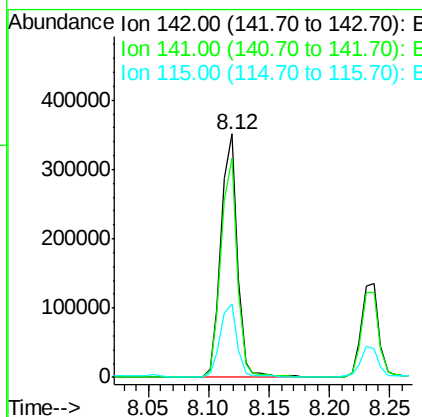
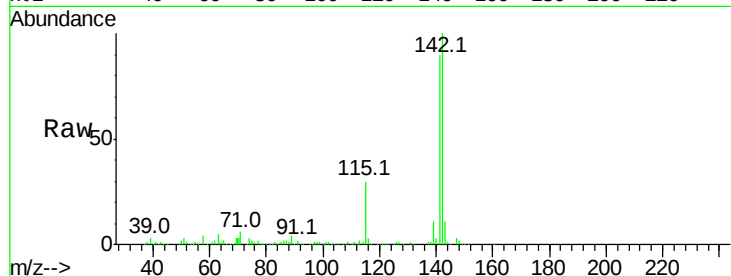




#37
 2-Methylnaphthalene
 Concen: 28.65 ng
 RT: 8.12 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF094562.D
 Acq: 21 Apr 2017 14:23

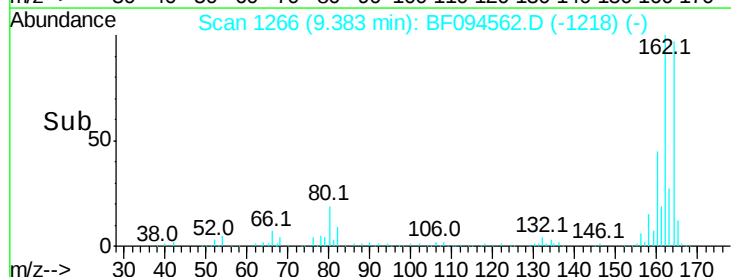
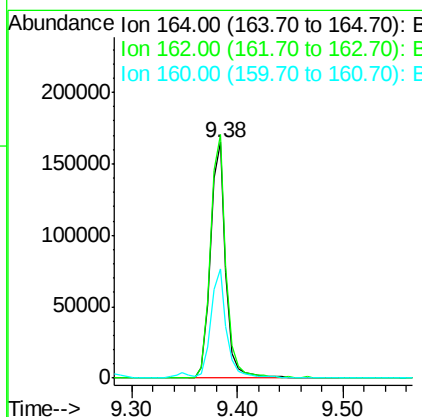
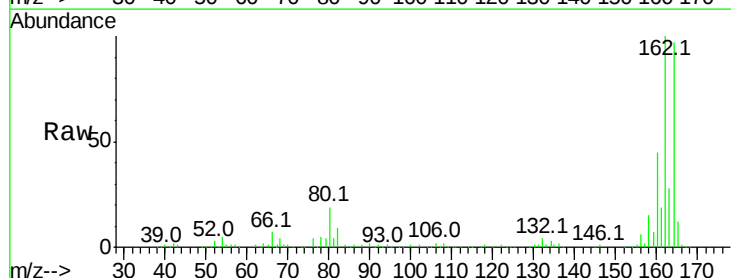
Instrument :
 BNA_F
 ClientSampleId :

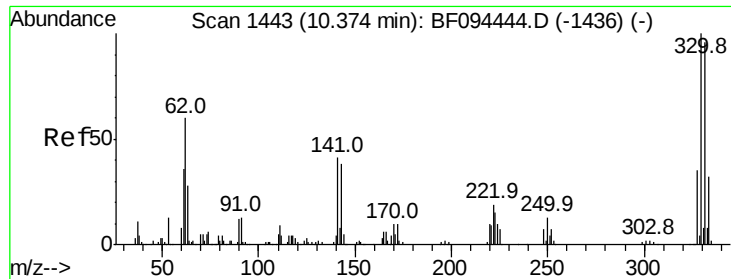
Tot Ion:142 Resp: 331844
 Ion Ratio Lower Upper
 142 100
 141 89.9 71.3 106.9
 115 30.2 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: BF094562.D
 Acq: 21 Apr 2017 14:23

Tgt Ion:164 Resp: 168842
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.6 123.8
 160 46.4 36.2 54.2

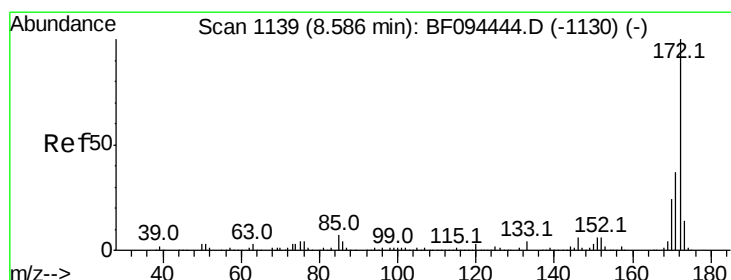
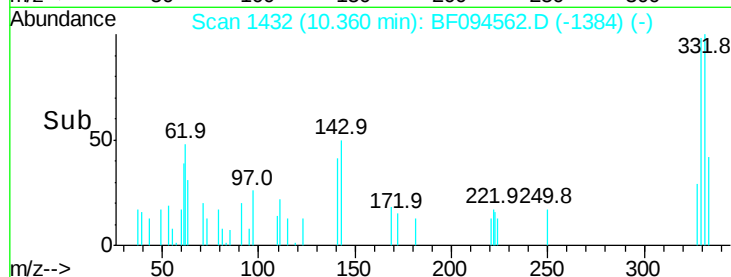
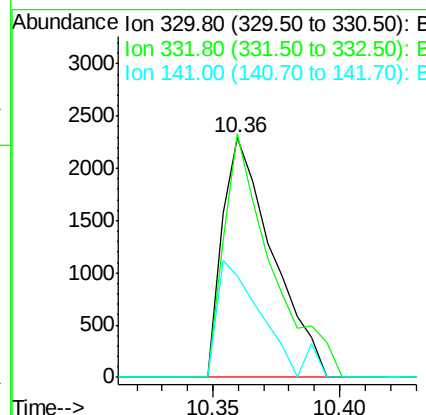
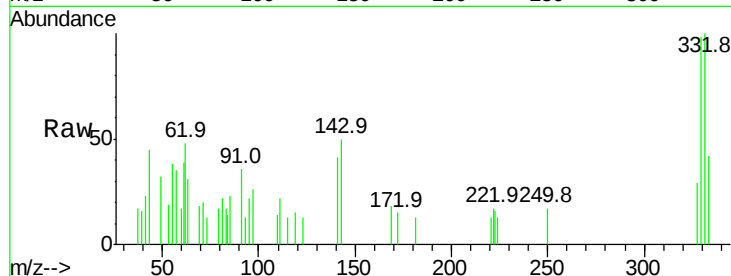




#41
 2,4,6-Tribromophenol
 Concen: 2.39 ng
 RT: 10.36 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF094562.D
 Acq: 21 Apr 2017 14:23

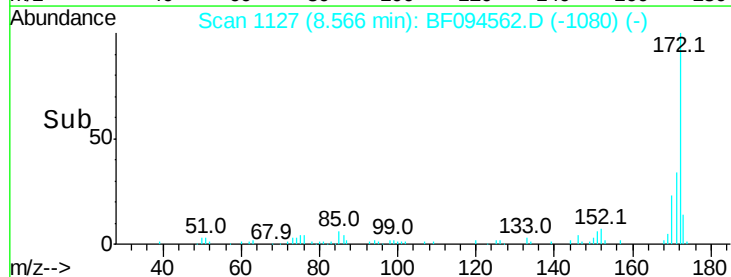
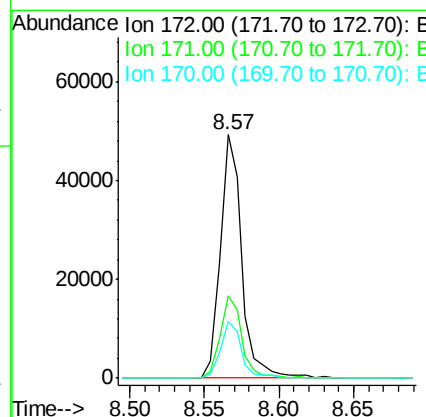
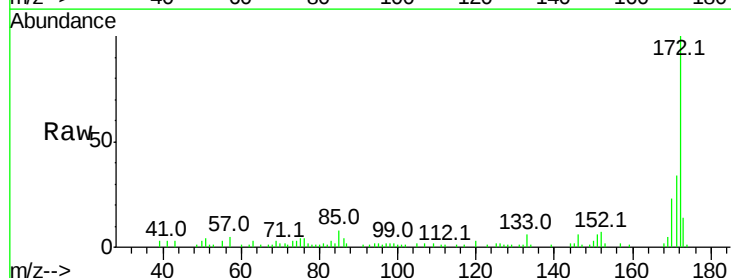
Instrument :
 BNA_F
 ClientSampleId :

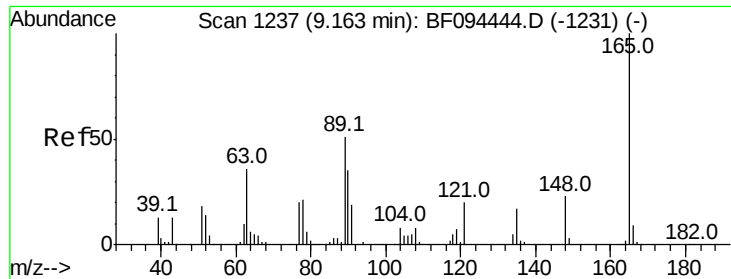
Tot Ion:330 Resp: 3160
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 115.0
 141 44.1 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 4.30 ng
 RT: 8.57 min Scan# 1127
 Delta R.T. -0.02 min
 Lab File: BF094562.D
 Acq: 21 Apr 2017 14:23

Tgt Ion:172 Resp: 49299
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.6 44.4
 170 23.1 19.8 29.8

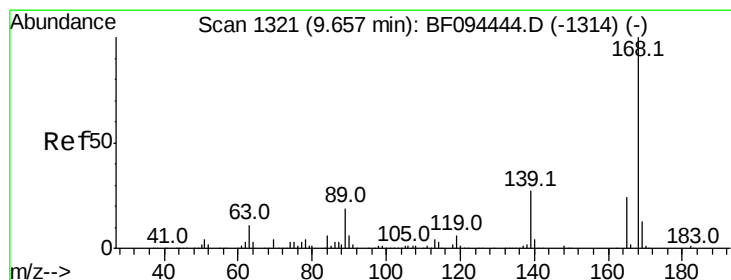
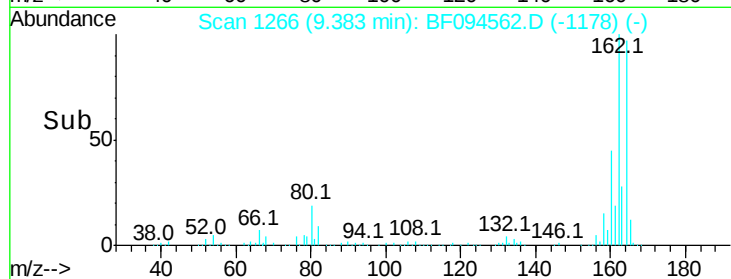
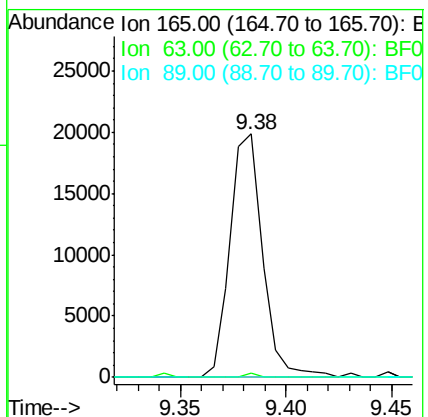
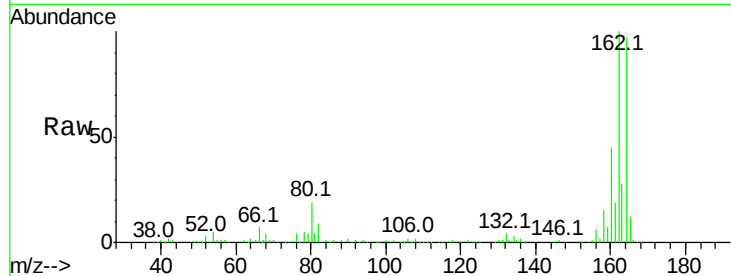




#50
 2,6-Dinitrotoluene
 Concen: 7.52 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. 0.22 min
 Lab File: BF094562.D
 Acq: 21 Apr 2017 14:23

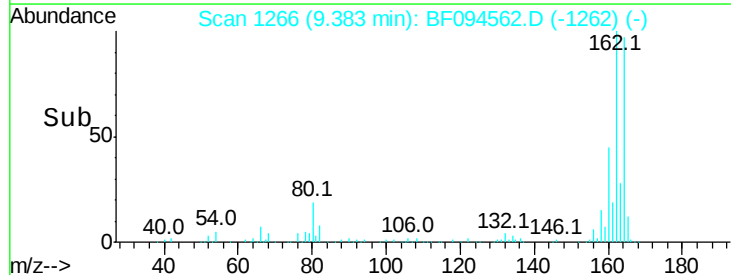
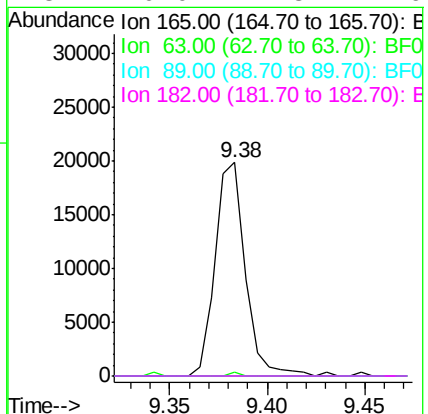
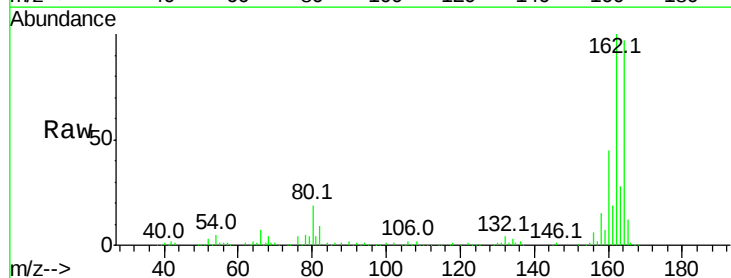
Instrument :
 BNA_F
 ClientSampleId :

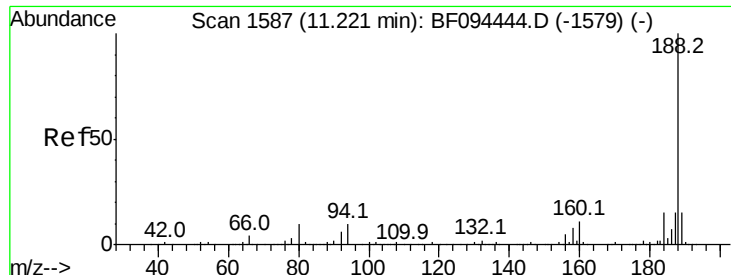
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.3	51.5#
89	0.0	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.16 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. -0.27 min
 Lab File: BF094562.D
 Acq: 21 Apr 2017 14:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

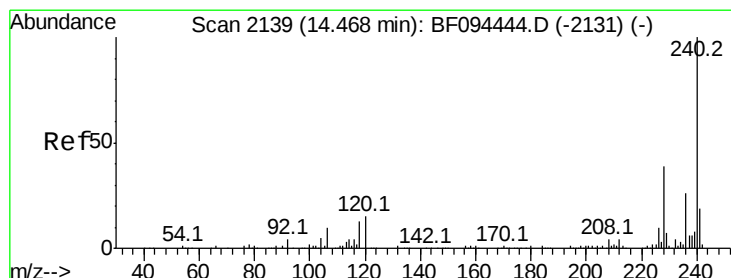
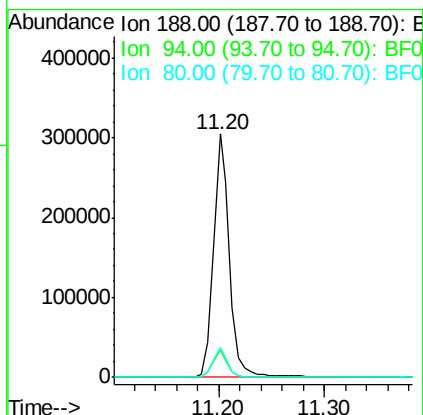
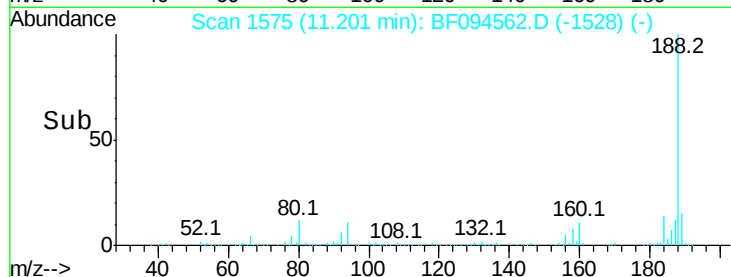
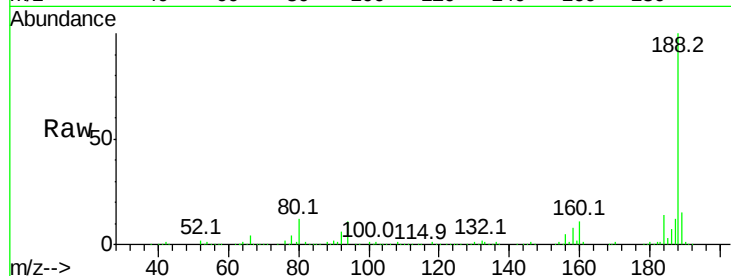




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094562.D
 Acq: 21 Apr 2017 14:23

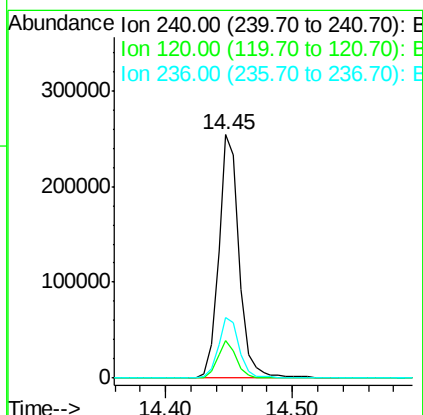
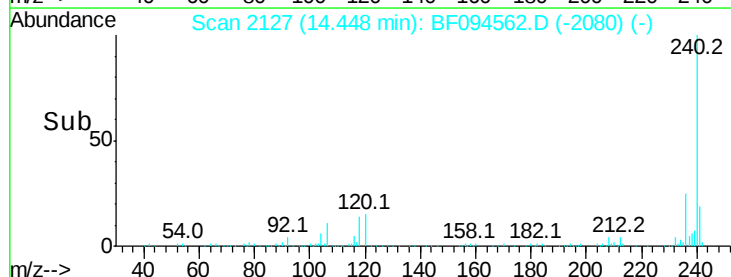
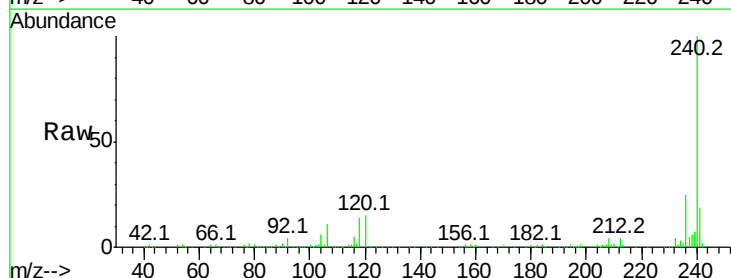
Instrument :
 BNA_F
 ClientSampleId :

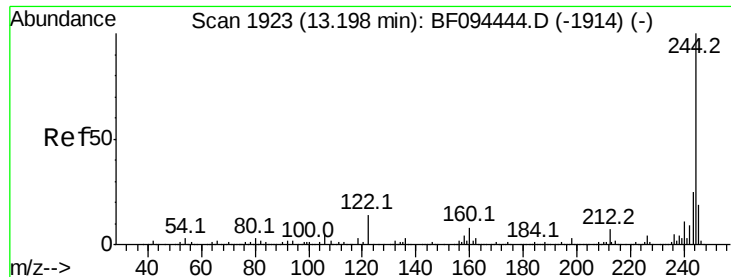
Tot Ion:188 Resp: 326574
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.4 14.2
 80 12.2 10.2 15.2



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.45 min Scan# 2127
 Delta R.T. -0.02 min
 Lab File: BF094562.D
 Acq: 21 Apr 2017 14:23

Tgt Ion:240 Resp: 285796
 Ion Ratio Lower Upper
 240 100
 120 15.5 5.8 8.8#
 236 25.1 20.5 30.7





#78

Terphenyl-d14

Concen: 4.80 ng

RT: 13.18 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094562.D

Acq: 21 Apr 2017 14:23

Instrument :

BNA_F

ClientSampleId :

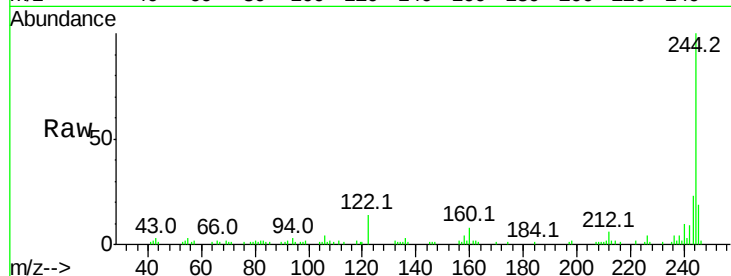
Tot Ion:244 Resp: 51294

Ion Ratio Lower Upper

244 100

212 5.8 6.0 9.0#

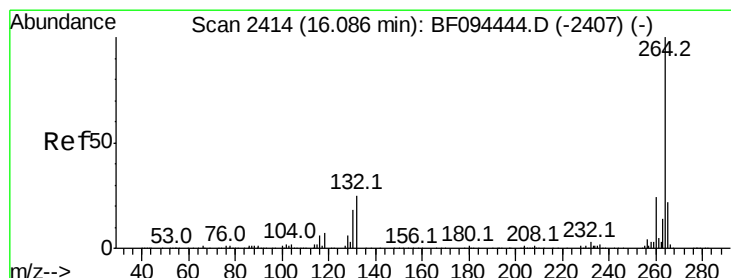
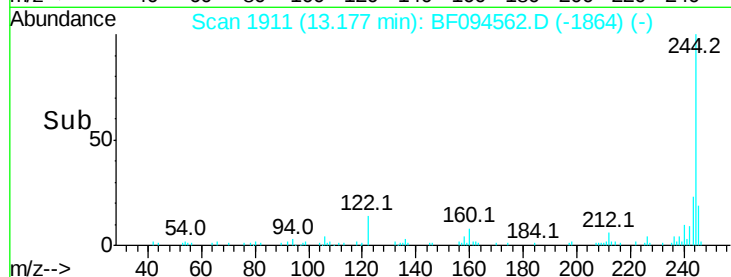
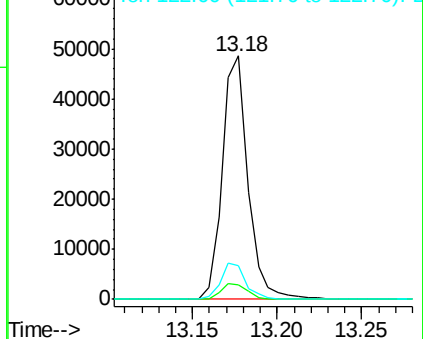
122 14.1 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2404

Delta R.T. -0.01 min

Lab File: BF094562.D

Acq: 21 Apr 2017 14:23

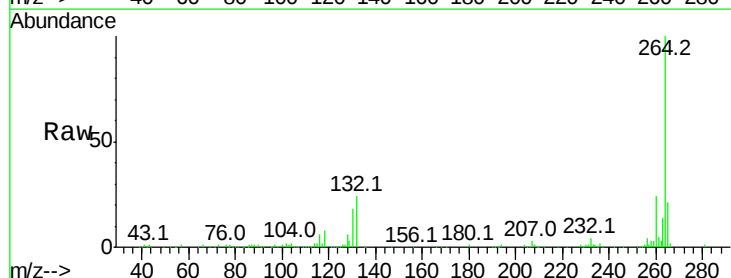
Tgt Ion:264 Resp: 205839

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 21.3 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

