

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043017\
 Data File : BF094726.D
 Acq On : 30 Apr 2017 20:31
 Operator : SJ/MA
 Sample : I2895-21
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 01:22:38 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

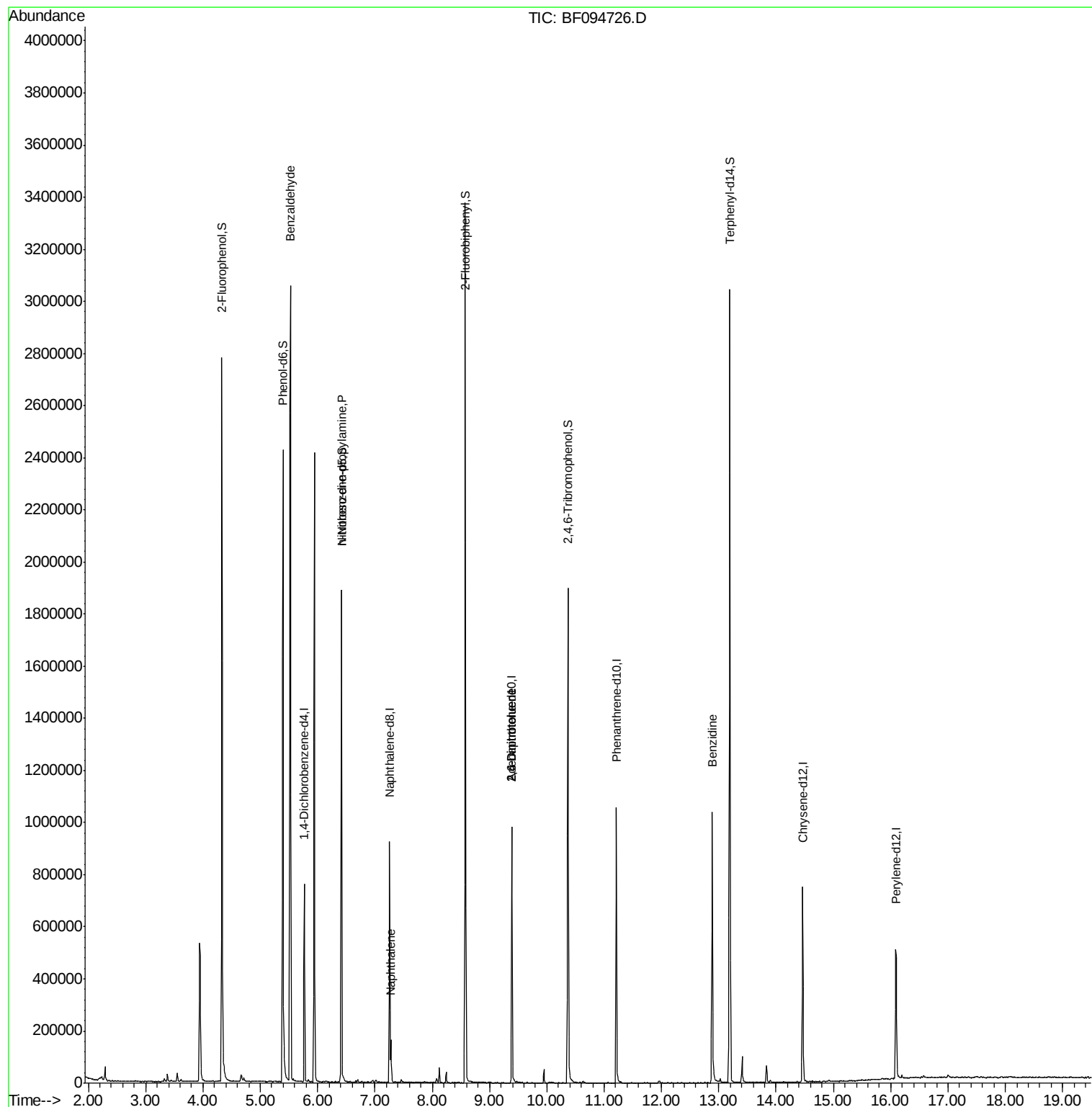
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	115281	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	466570	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	223978	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	423964	20.00	ng	0.00
75) Chrysene-d12	14.47	240	323936	20.00	ng	0.00
86) Perylene-d12	16.09	264	218904	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	852259	122.65	ng	0.03
7) Phenol-d6	5.40	99	990551	120.92	ng	0.00
23) Nitrobenzene-d5	6.42	82	675028	89.34	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	265003	151.26	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1299631	85.37	ng	0.00
78) Terphenyl-d14	13.19	244	1253281	103.41	ng	0.00
Target Compounds						
9) Benzaldehyde	5.52	77	18449	2.96	ng	Qvalue 84
19) n-Nitroso-di-n-propylamine	6.42	70	87903	16.20	ng	# 75
31) Naphthalene	7.28	128	74813	3.34	ng	98
50) 2,6-Dinitrotoluene	9.39	165	28995	7.74	ng	# 33
56) 2,4-Dinitrotoluene	9.39	165	28995	6.31	ng	# 33
76) Benzidine	12.88	184	481161	36.68	ng	# 92

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

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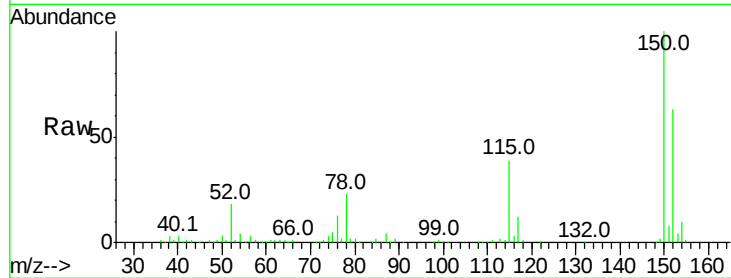


#1

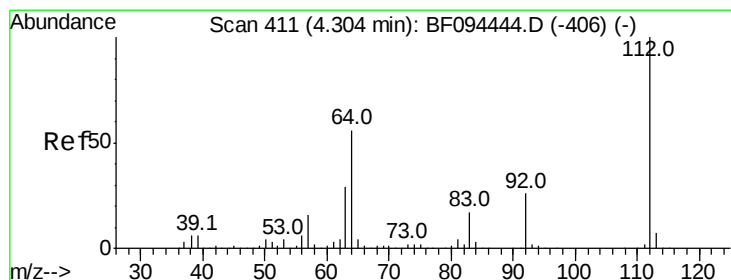
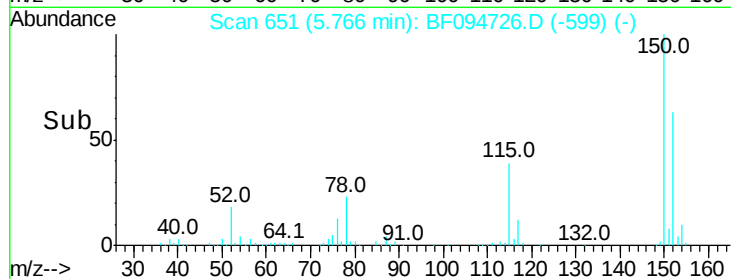
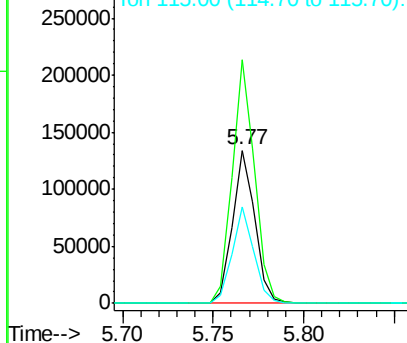
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094726.D
Acq: 30 Apr 2017 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115281
Ion Ratio Lower Upper
152 100
150 159.3 126.2 189.2
115 62.8 52.2 78.2



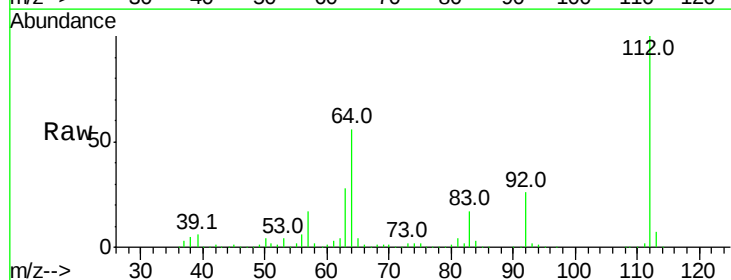
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



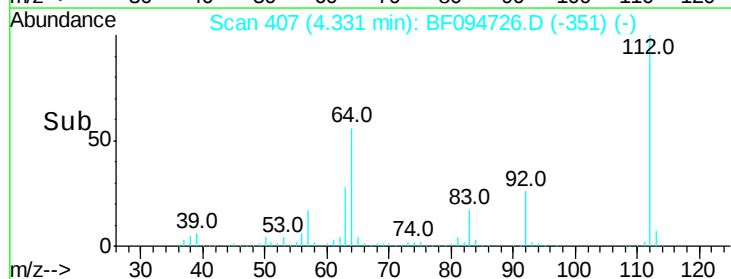
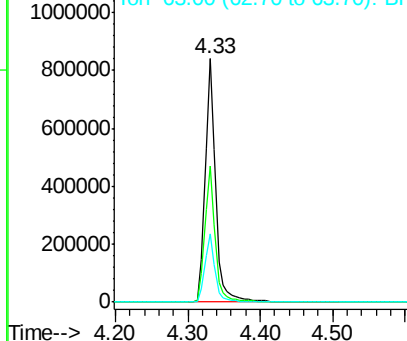
#5

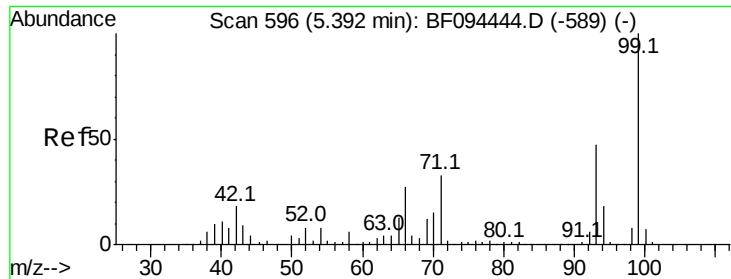
2-Fluorophenol
Concen: 122.65 ng
RT: 4.33 min Scan# 407
Delta R.T. 0.03 min
Lab File: BF094726.D
Acq: 30 Apr 2017 20:31

Tgt Ion:112 Resp: 852259
Ion Ratio Lower Upper
112 100
64 56.0 46.0 69.0
63 28.1 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: 120.92 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094726.D

Acq: 30 Apr 2017 20:31

Instrument :

BNA_F

ClientSampled :

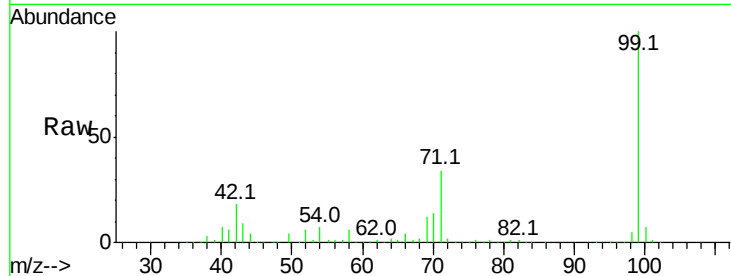
Tot Ion: 99 Resp: 990551

Ion Ratio Lower Upper

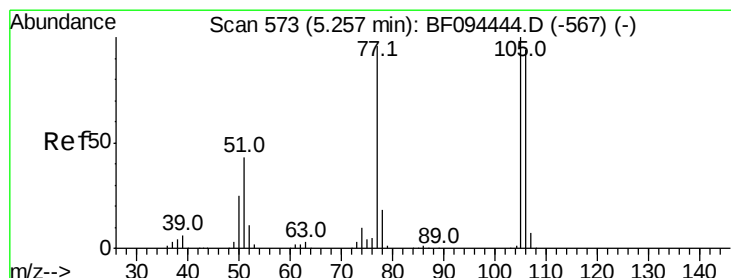
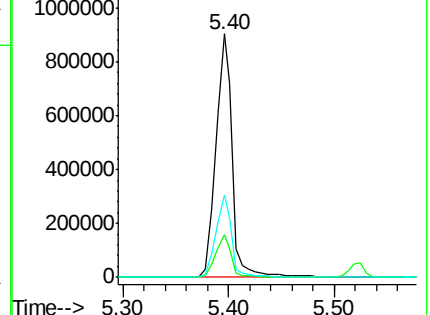
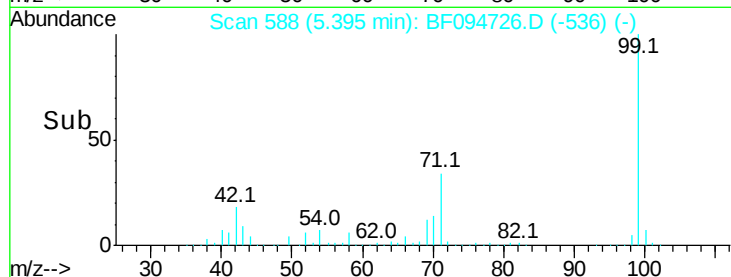
99 100

42 17.5 13.5 20.3

71 33.9 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: 2.96 ng

RT: 5.52 min Scan# 610

Delta R.T. 0.27 min

Lab File: BF094726.D

Acq: 30 Apr 2017 20:31

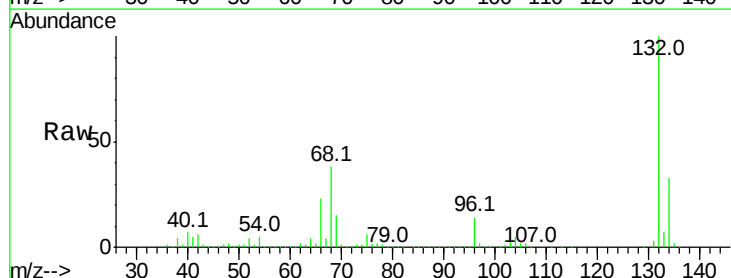
Tgt Ion: 77 Resp: 18449

Ion Ratio Lower Upper

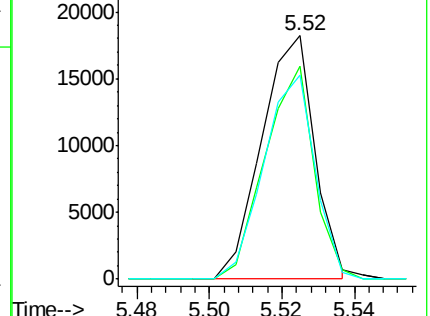
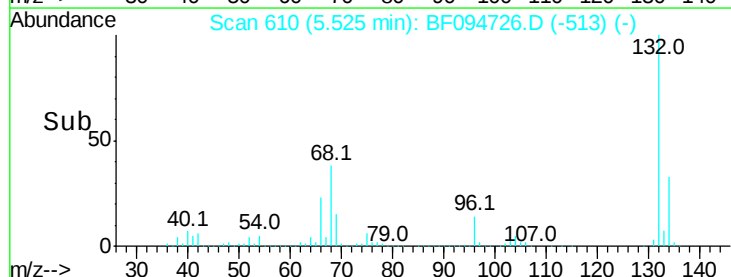
77 100

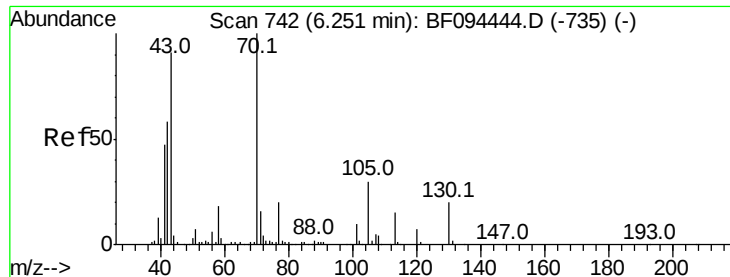
105 87.4 83.8 123.8

106 83.9 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

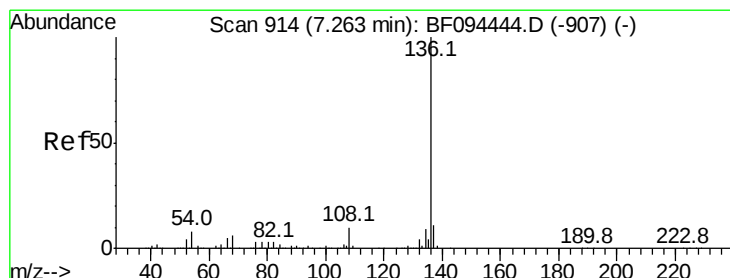
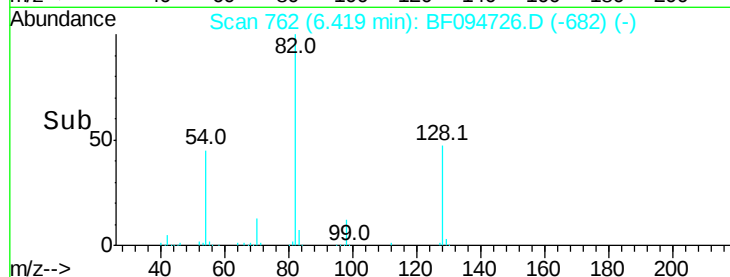
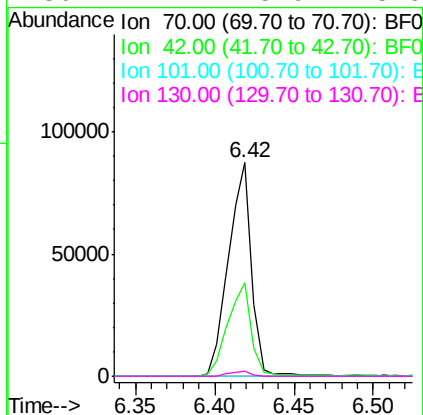
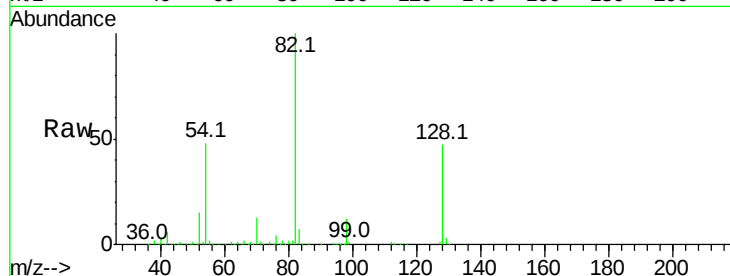




#19
n-Nitroso-di-n-propylamine
Concen: 16.20 ng
RT: 6.42 min Scan# 762
Delta R.T. 0.17 min
Lab File: BF094726.D
Acq: 30 Apr 2017 20:31

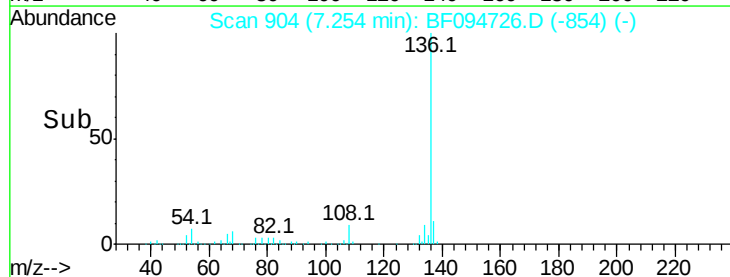
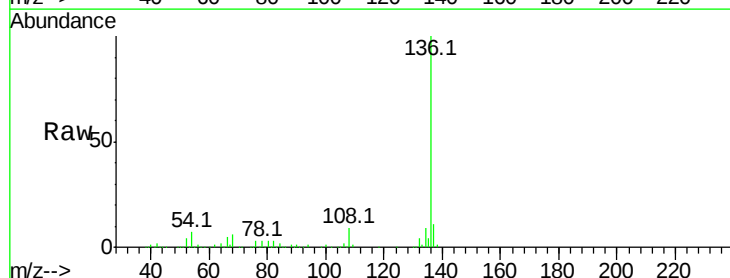
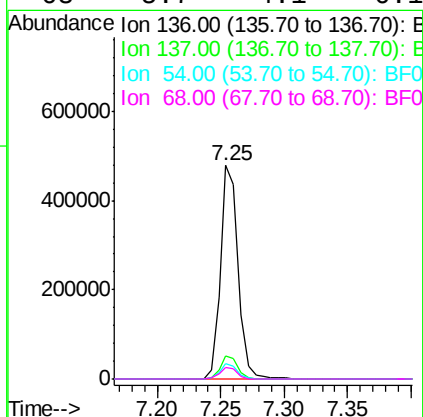
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 87903
Ion Ratio Lower Upper
70 100
42 43.6 47.2 70.8#
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF094726.D
Acq: 30 Apr 2017 20:31

Tgt Ion:136 Resp: 466570
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 7.2 4.9 7.3
68 5.7 4.1 6.1

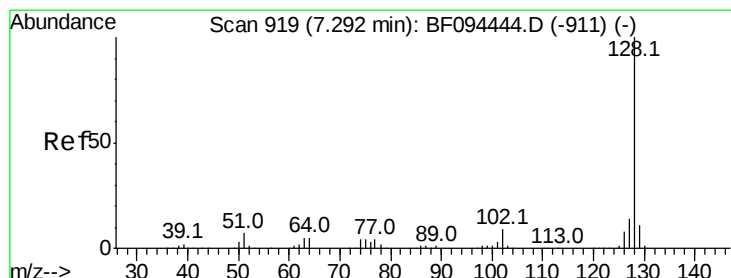
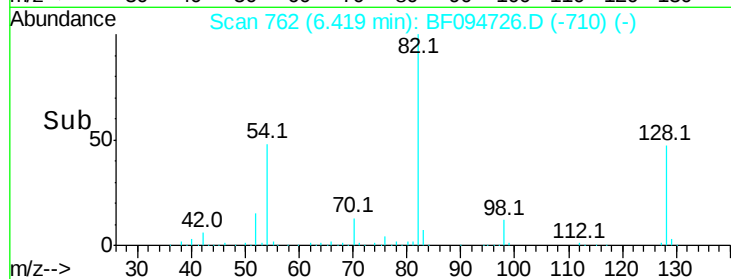
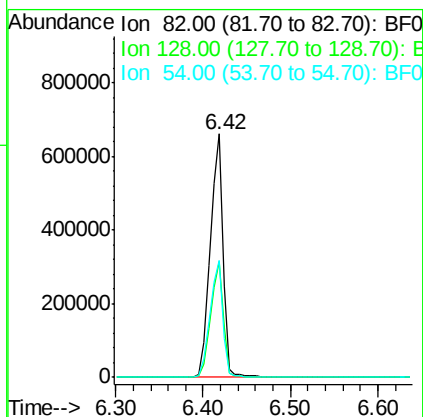
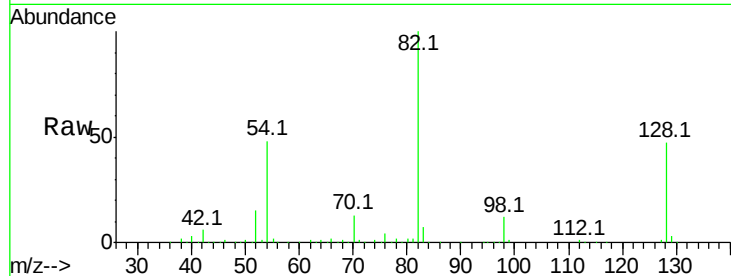




#23
 Nitrobenzene-d5
 Concen: 89.34 ng
 RT: 6.42 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BF094726.D
 Acq: 30 Apr 2017 20:31

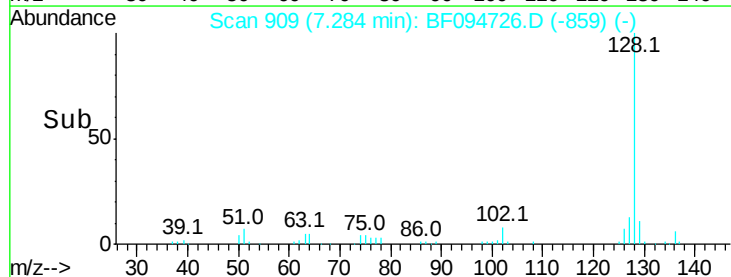
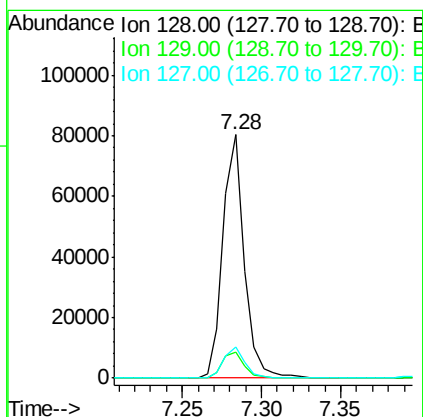
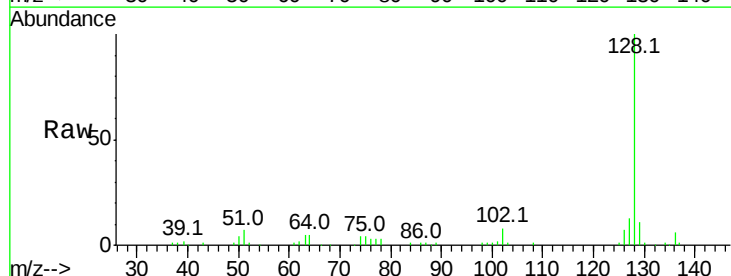
Instrument :
 BNA_F
 ClientSampleId :

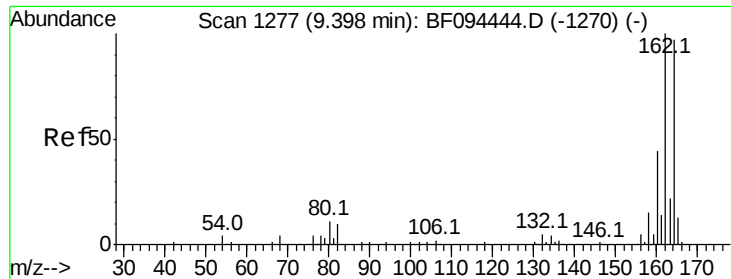
Tot Ion: 82 Resp: 675028
 Ion Ratio Lower Upper
 82 100
 128 47.3 34.0 51.0
 54 48.2 42.2 63.2



#31
 Naphthalene
 Concen: 3.34 ng
 RT: 7.28 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF094726.D
 Acq: 30 Apr 2017 20:31

Tgt Ion: 128 Resp: 74813
 Ion Ratio Lower Upper
 128 100
 129 10.6 9.0 13.6
 127 12.7 10.8 16.2

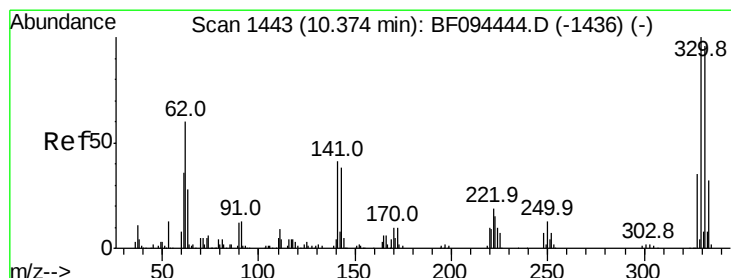
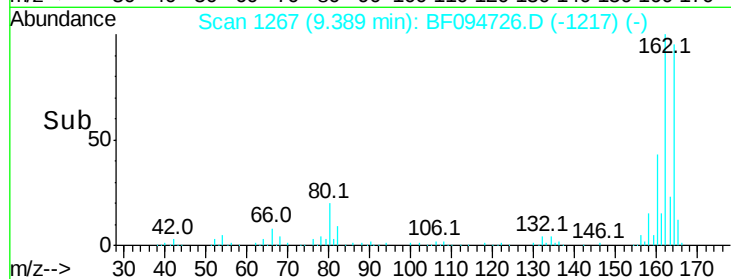
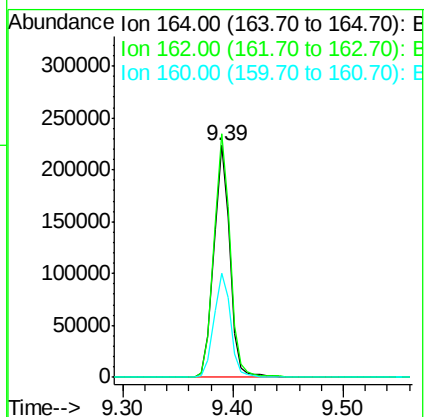
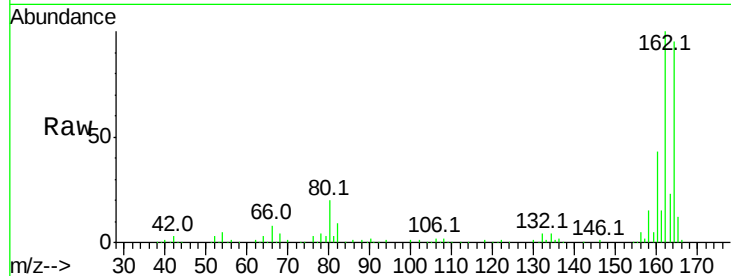




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.39 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF094726.D
Acq: 30 Apr 2017 20:31

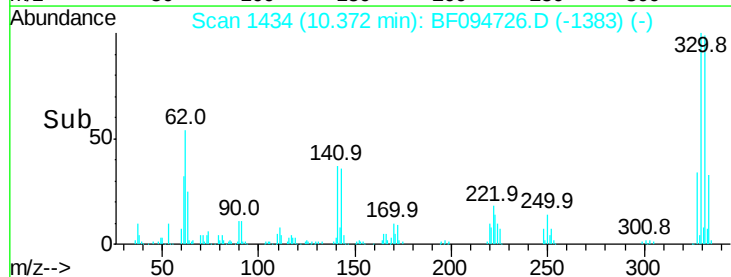
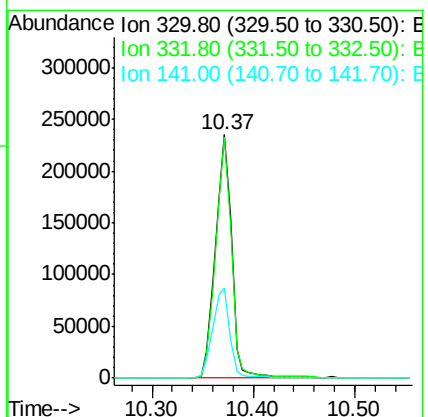
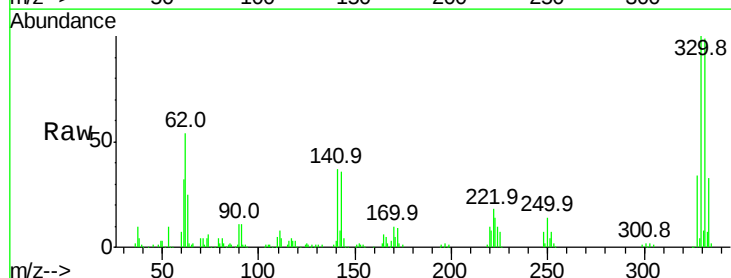
Instrument :
BNA_F
ClientSampleId :

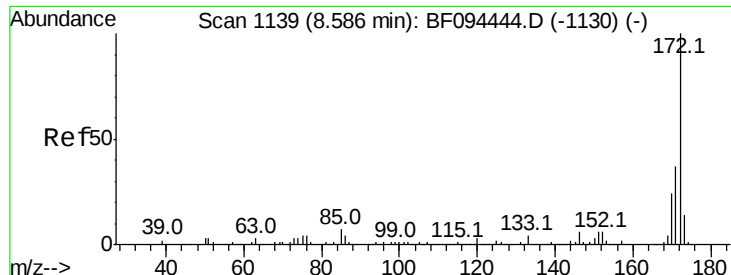
Tot Ion:164 Resp: 223978
Ion Ratio Lower Upper
164 100
162 105.1 82.6 123.8
160 44.9 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 151.26 ng
RT: 10.37 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BF094726.D
Acq: 30 Apr 2017 20:31

Tgt Ion:330 Resp: 265003
Ion Ratio Lower Upper
330 100
332 98.0 76.6 115.0
141 39.2 31.4 47.2

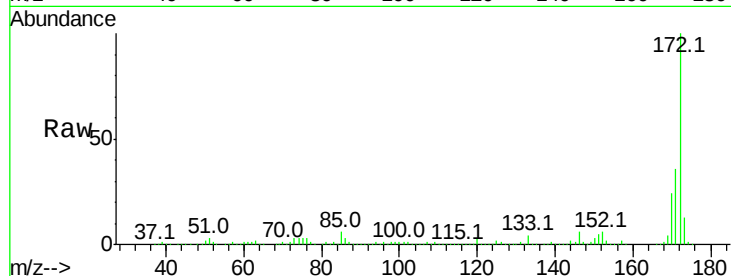




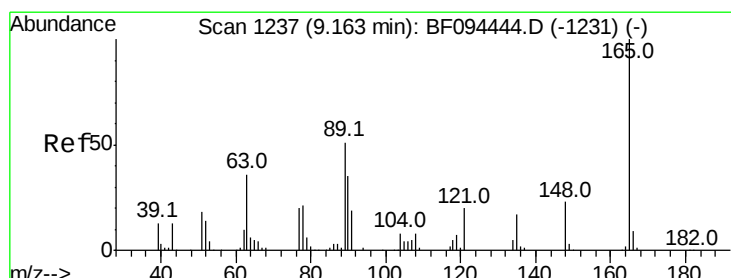
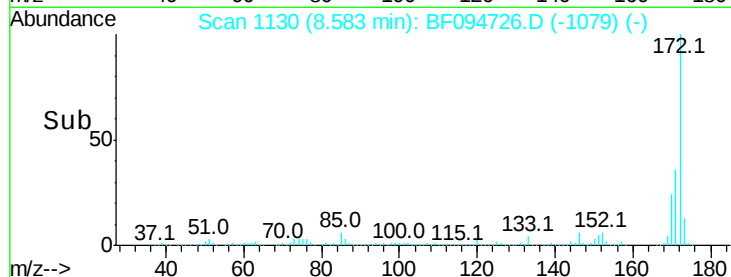
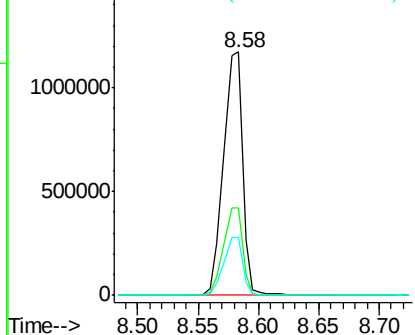
#44
2-Fluorobiphenyl
Concen: 85.37 ng
RT: 8.58 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF094726.D
Acq: 30 Apr 2017 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1299631
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.6 19.8 29.8

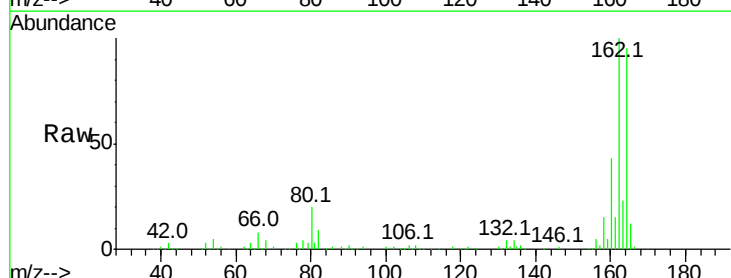


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

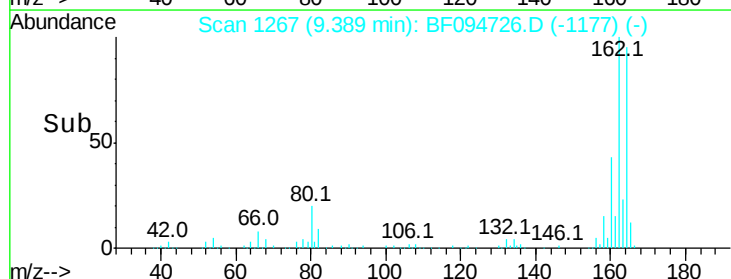
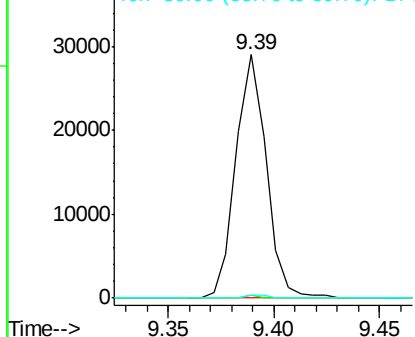


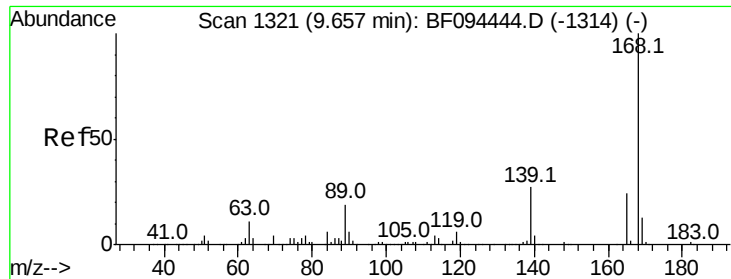
#50
2,6-Dinitrotoluene
Concen: 7.74 ng
RT: 9.39 min Scan# 1267
Delta R.T. 0.23 min
Lab File: BF094726.D
Acq: 30 Apr 2017 20:31

Tgt Ion:165 Resp: 28995
Ion Ratio Lower Upper
165 100
63 1.3 34.3 51.5#
89 1.2 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

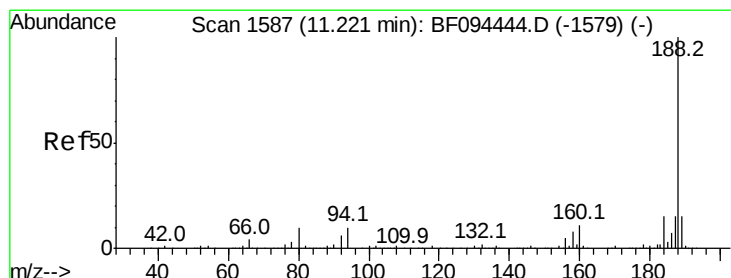
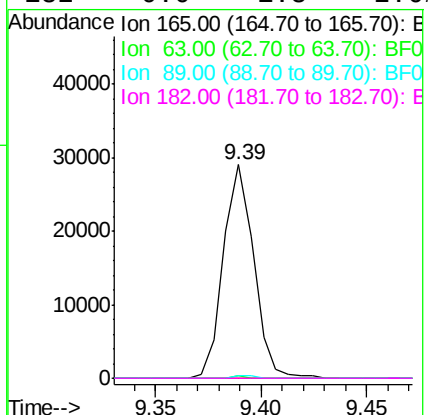
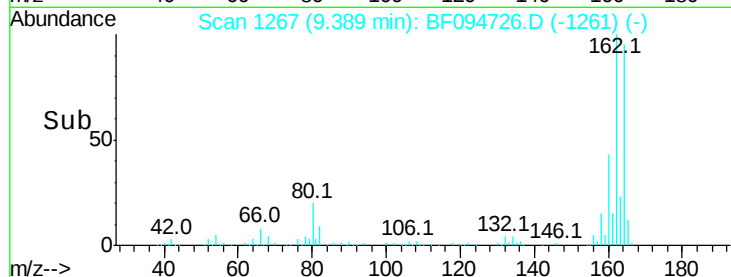
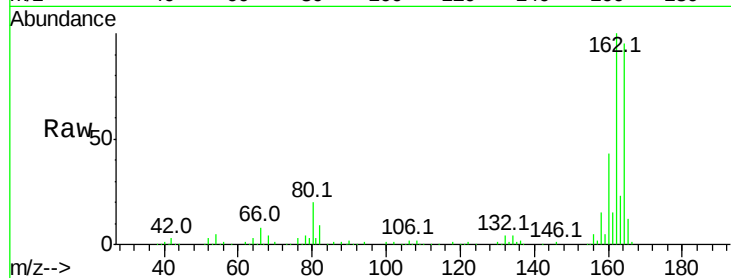




#56
 2,4-Dinitrotoluene
 Concen: 6.31 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.27 min
 Lab File: BF094726.D
 Acq: 30 Apr 2017 20:31

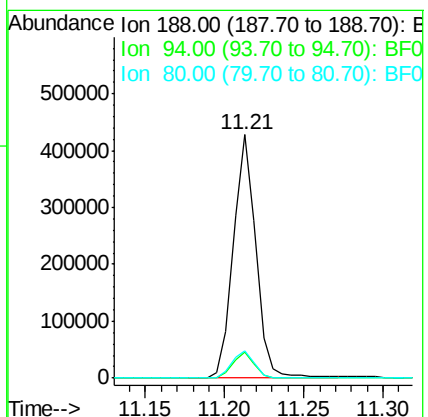
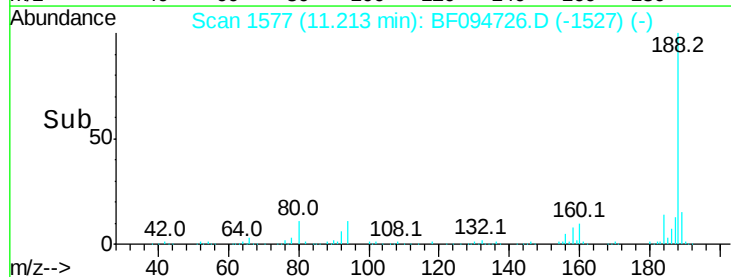
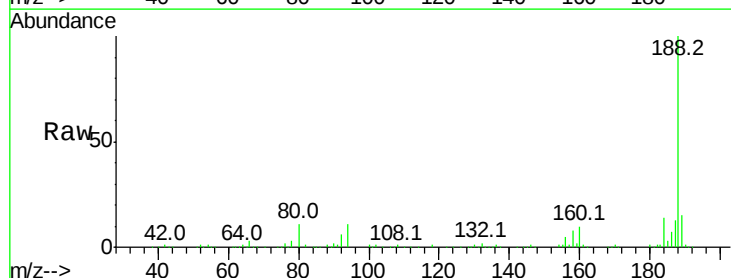
Instrument :
 BNA_F
 ClientSampleId :

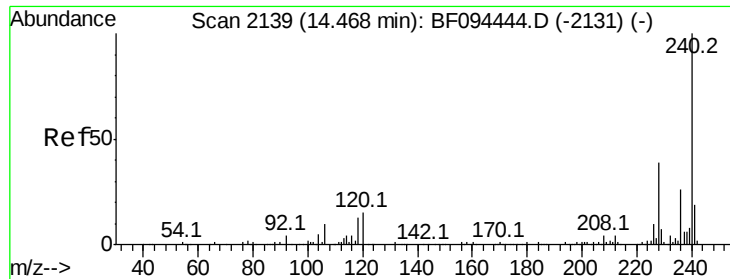
Tot Ion:165 Resp: 28995
 Ion Ratio Lower Upper
 165 100
 63 1.3 25.4 38.0#
 89 1.2 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF094726.D
 Acq: 30 Apr 2017 20:31

Tgt Ion:188 Resp: 423964
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.4 14.2
 80 11.3 10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094726.D

Acq: 30 Apr 2017 20:31

Instrument :

BNA_F

ClientSampleId :

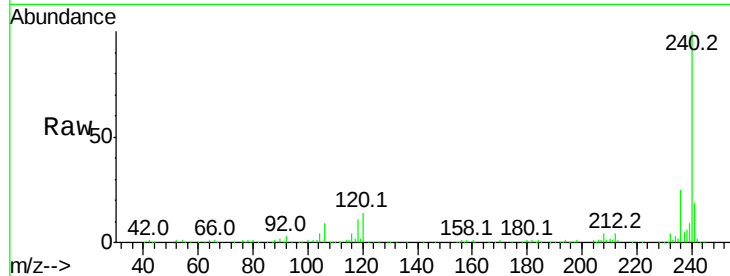
Tot Ion:240 Resp: 323936

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

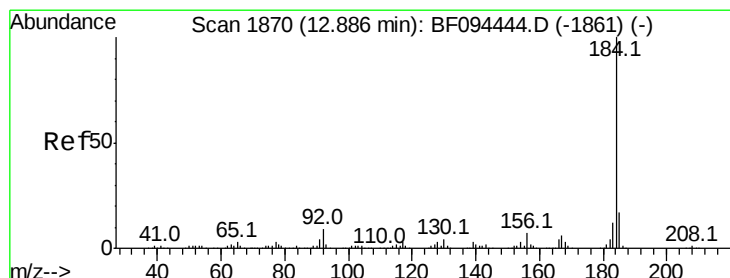
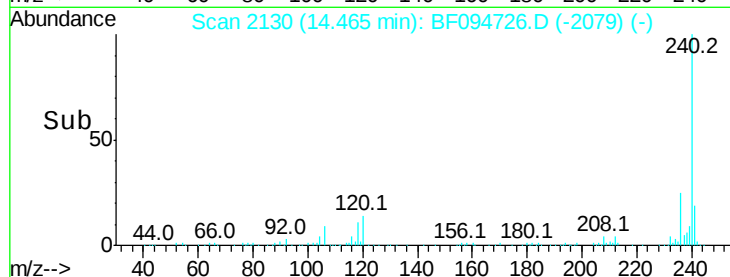
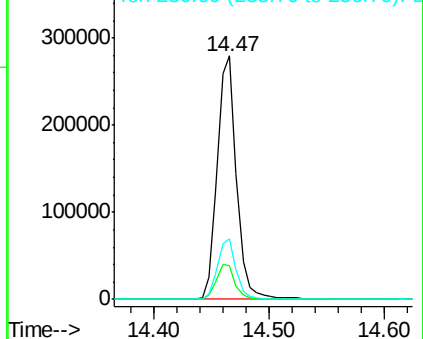
236 25.0 20.5 30.7



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



#76

Benzidine

Concen: 36.68 ng

RT: 12.88 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BF094726.D

Acq: 30 Apr 2017 20:31

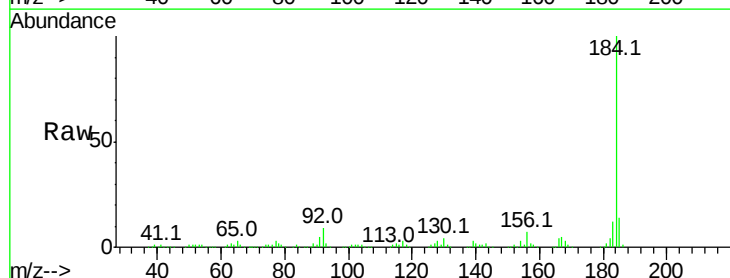
Tgt Ion:184 Resp: 481161

Ion Ratio Lower Upper

184 100

185 13.9 15.5 23.3#

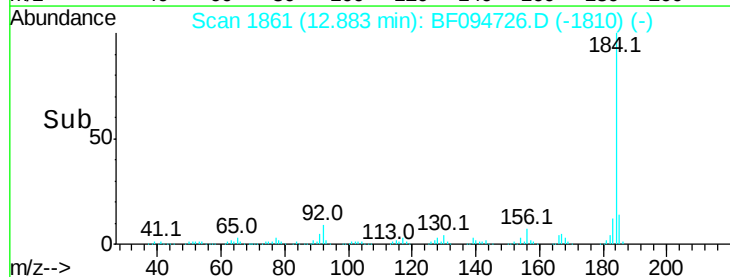
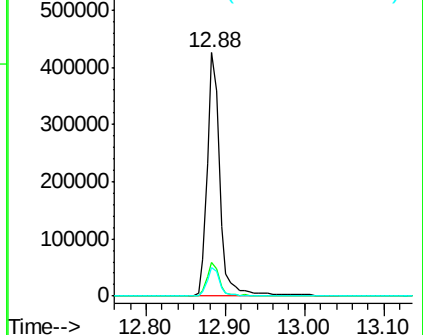
183 11.8 9.8 14.6

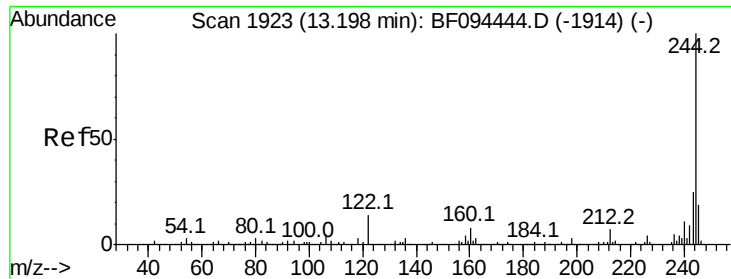


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 103.41 ng

RT: 13.19 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BF094726.D

Acq: 30 Apr 2017 20:31

Instrument :

BNA_F

ClientSampleId :

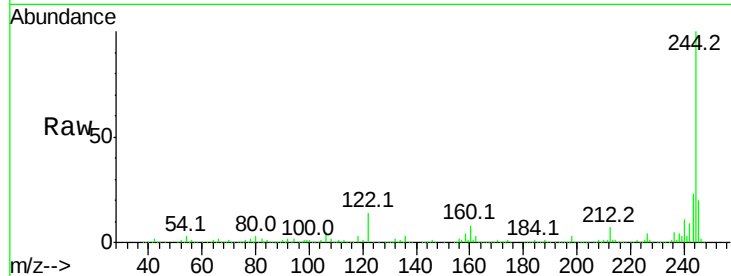
Tot Ion:244 Resp: 1253281

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

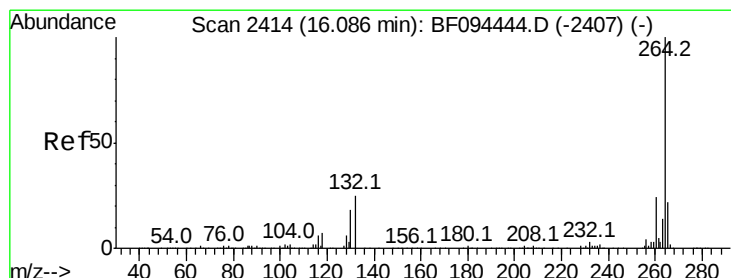
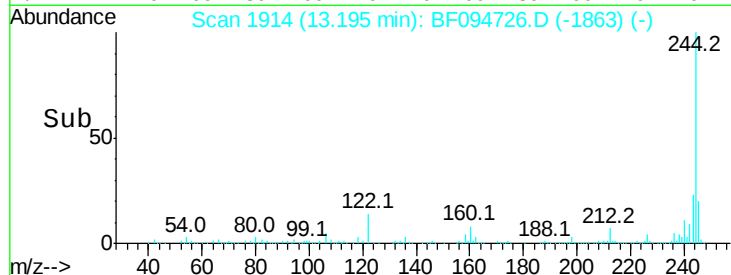
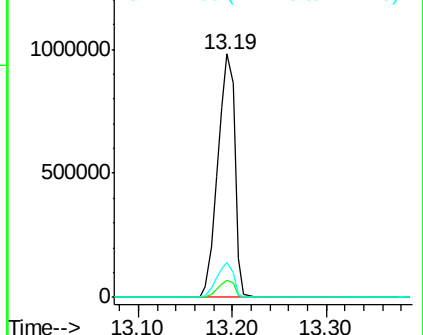
122 14.2 10.3 15.5



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: 16.09 min Scan# 2406

Delta R.T. 0.00 min

Lab File: BF094726.D

Acq: 30 Apr 2017 20:31

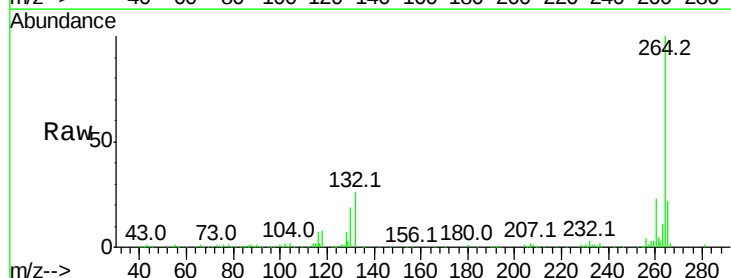
Tgt Ion:264 Resp: 218904

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 21.8 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

