

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043017\
 Data File : BF094738.D
 Acq On : 1 May 2017 3:19
 Operator : SJ/MA
 Sample : I2902-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 04:52:56 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

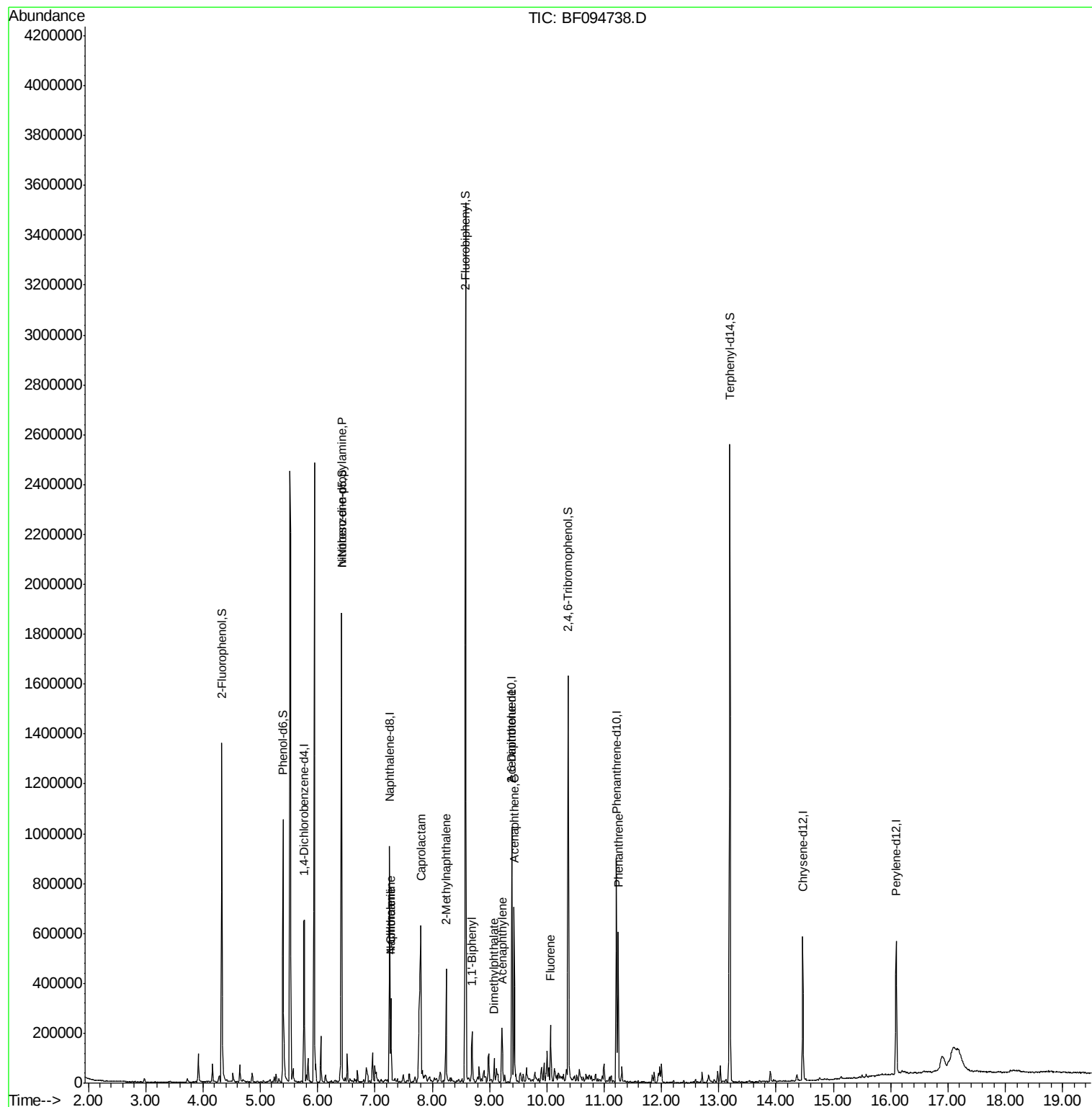
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	110766	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	456713	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	217158	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	355596	20.00	ng	0.00
75) Chrysene-d12	14.47	240	223080	20.00	ng	0.00
86) Perylene-d12	16.09	264	210039	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	427717	64.06	ng	0.02
7) Phenol-d6	5.40	99	406065	51.59	ng	0.00
23) Nitrobenzene-d5	6.42	82	666975	90.18	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	214392	126.22	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1277515	86.56	ng	0.00
78) Terphenyl-d14	13.19	244	923024	110.60	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.42	70	86106	16.51	ng	# 77
31) Naphthalene	7.28	128	160143	7.29	ng	100
33) 4-Chloroaniline	7.28	127	20713	2.27	ng	# 32
35) Caprolactam	7.80	113	142230	71.60	ng	93
37) 2-Methylnaphthalene	8.24	142	131370	8.75	ng	97
45) 1,1'-Biphenyl	8.70	154	64687	3.65	ng	96
48) Acenaphthylene	9.22	152	91429	4.16	ng	98
49) Dimethylphthalate	9.08	163	40022	2.47	ng	100
50) 2,6-Dinitrotoluene	9.39	165	29658	8.16	ng	# 35
51) Acenaphthene	9.43	154	160937	12.22	ng	98
57) Fluorene	10.07	166	64846	4.35	ng	98
70) Phenanthrene	11.24	178	237273	11.85	ng	99

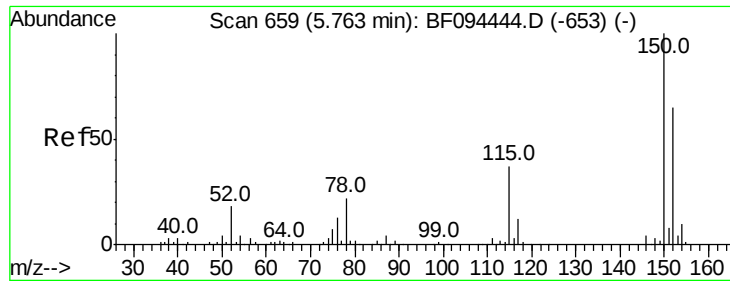
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094738.D

Acq: 1 May 2017 3:19

Instrument :

BNA_F

ClientSampleId :

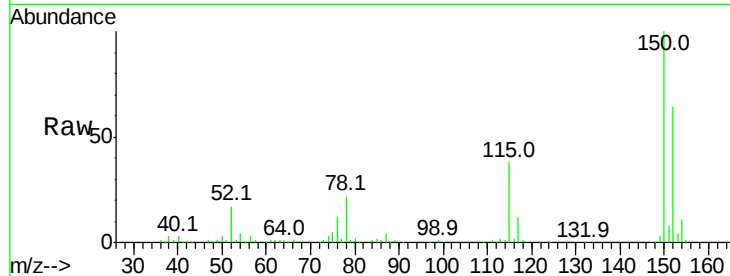
Tot Ion:152 Resp: 110766

Ion Ratio Lower Upper

152 100

150 155.8 126.2 189.2

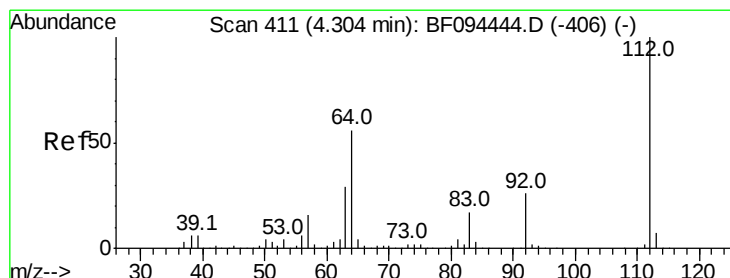
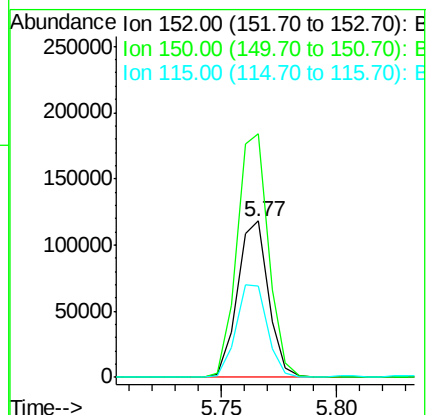
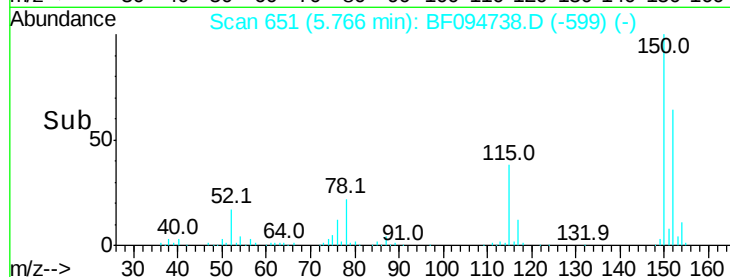
115 58.8 52.2 78.2



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: 64.06 ng

RT: 4.32 min Scan# 406

Delta R.T. 0.02 min

Lab File: BF094738.D

Acq: 1 May 2017 3:19

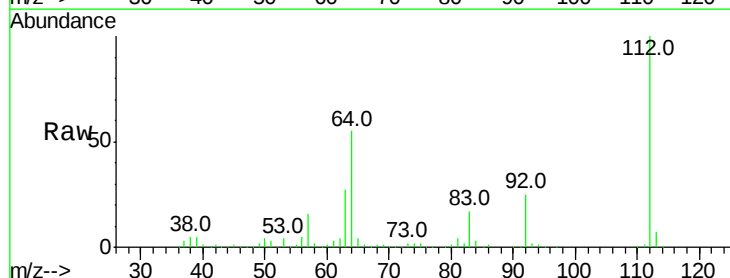
Tgt Ion:112 Resp: 427717

Ion Ratio Lower Upper

112 100

64 55.1 46.0 69.0

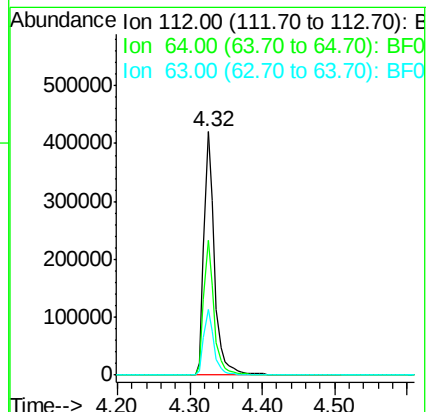
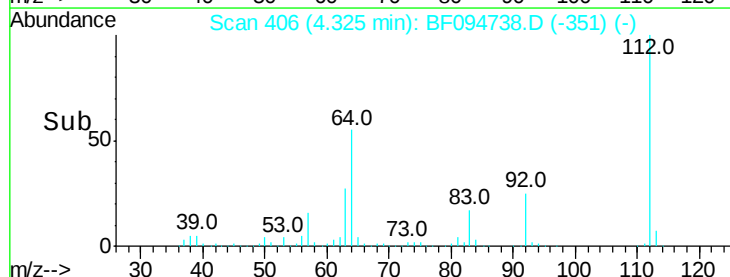
63 27.0 23.4 35.0

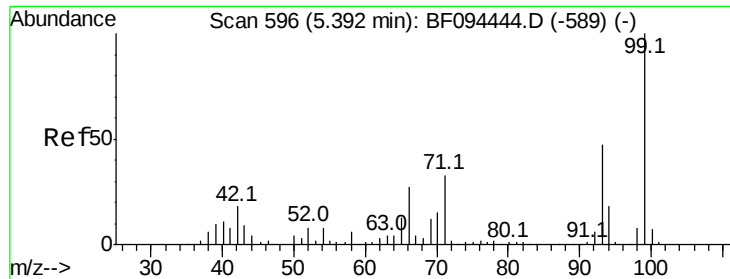


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 51.59 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094738.D

Acq: 1 May 2017 3:19

Instrument :

BNA_F

ClientSampled :

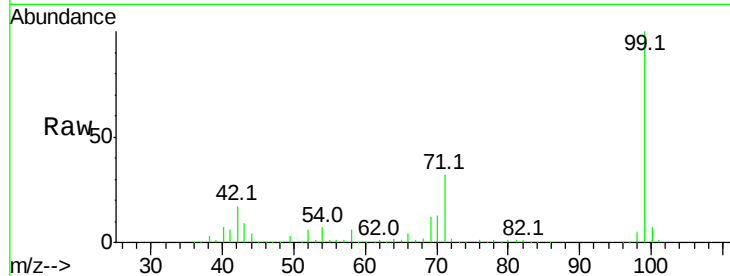
Tot Ion: 99 Resp: 406065

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

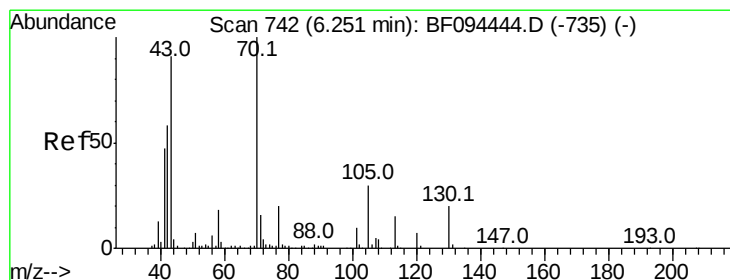
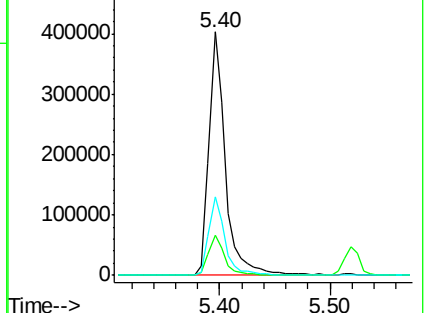
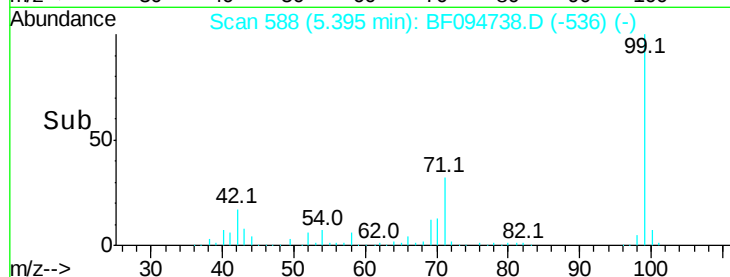
71 32.1 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.51 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.17 min

Lab File: BF094738.D

Acq: 1 May 2017 3:19

Tgt Ion: 70 Resp: 86106

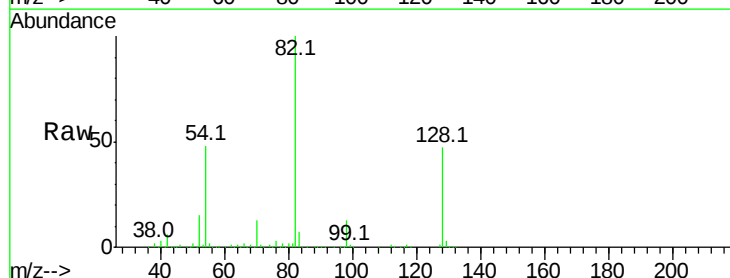
Ion Ratio Lower Upper

70 100

42 45.4 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

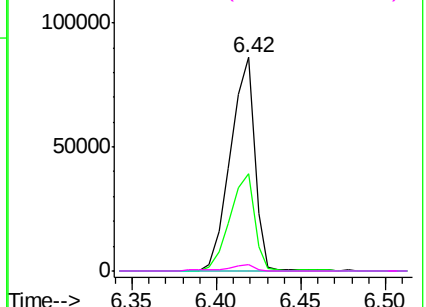
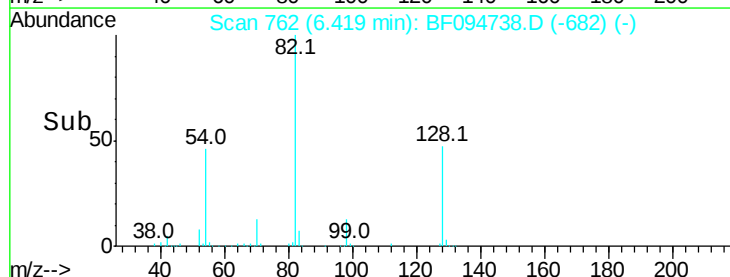


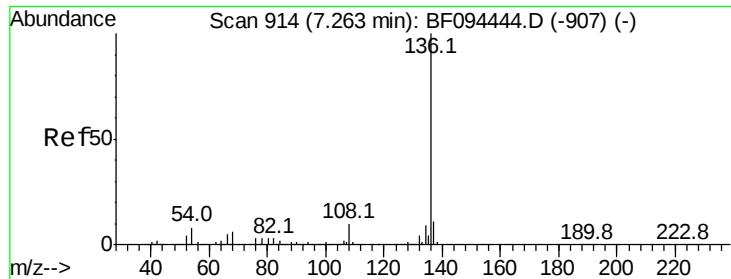
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094738.D

Acq: 1 May 2017 3:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 456713

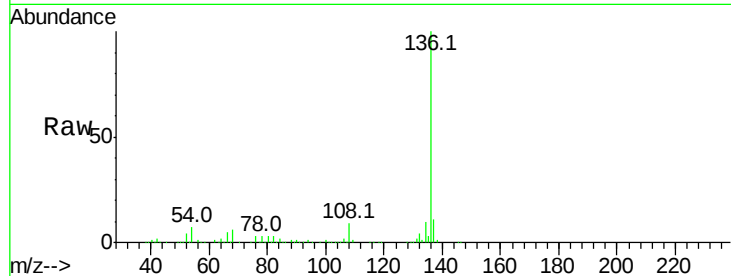
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.1 4.9 7.3

68 5.8 4.1 6.1

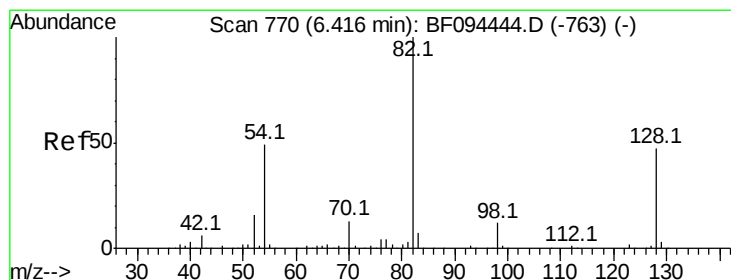
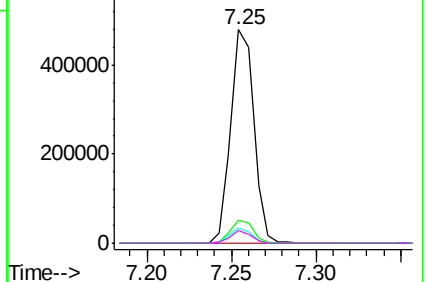
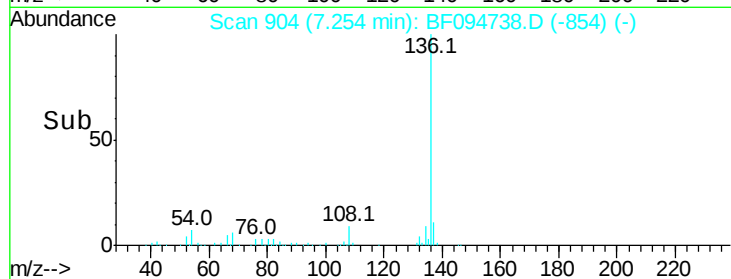


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 90.18 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF094738.D

Acq: 1 May 2017 3:19

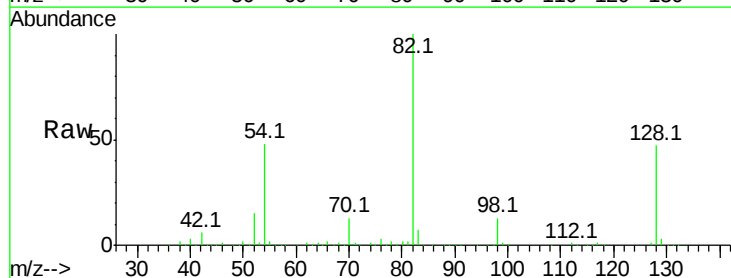
Tgt Ion: 82 Resp: 666975

Ion Ratio Lower Upper

82 100

128 47.3 34.0 51.0

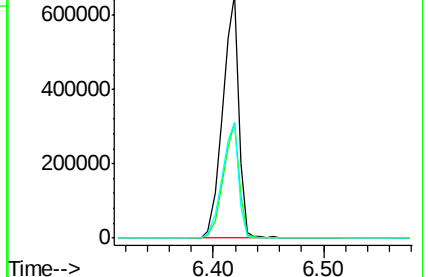
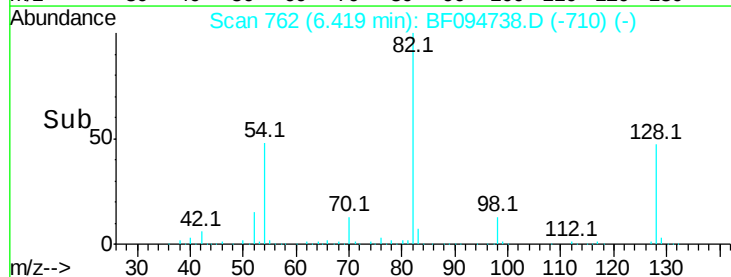
54 47.6 42.2 63.2

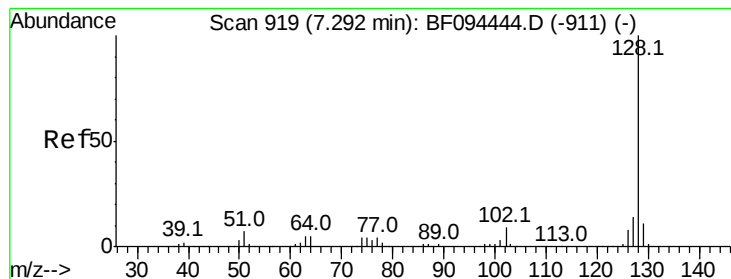


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 7.29 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF094738.D

Acq: 1 May 2017 3:19

Instrument :

BNA_F

ClientSampleId :

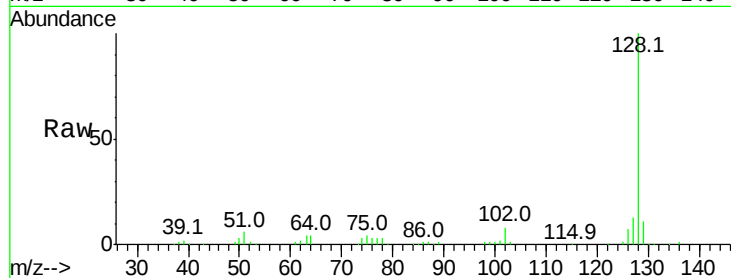
Tot Ion:128 Resp: 160143

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

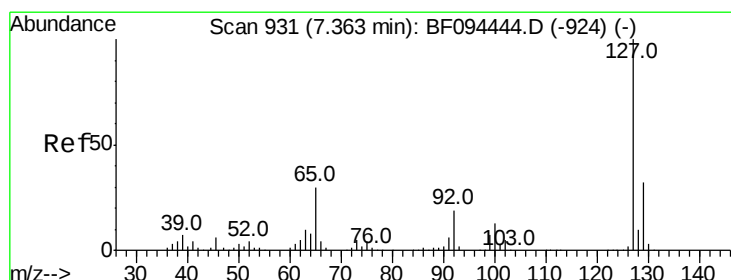
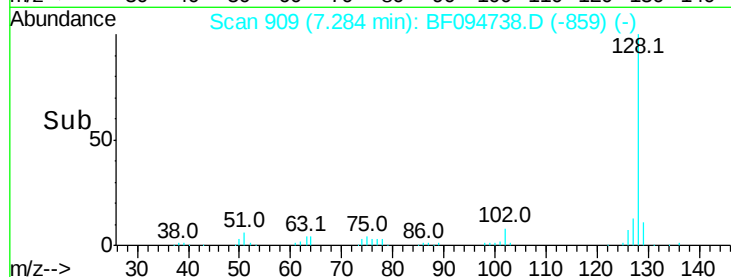
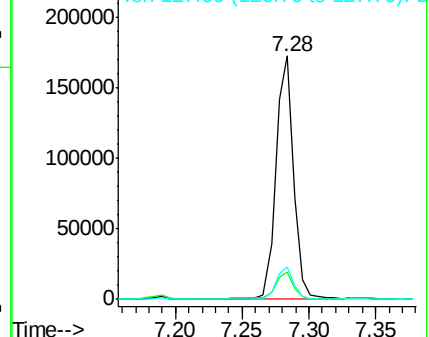
127 13.5 10.8 16.2



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



#33

4-Chloroaniline

Concen: 2.27 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.08 min

Lab File: BF094738.D

Acq: 1 May 2017 3:19

Tgt Ion:127 Resp: 20713

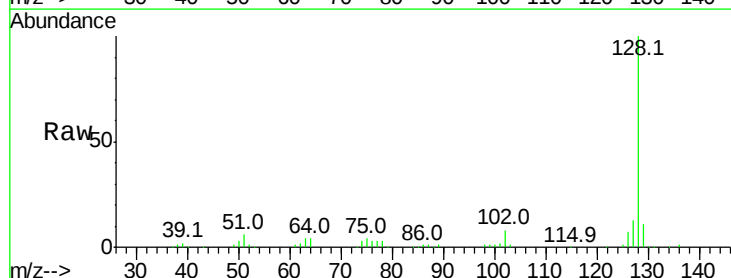
Ion Ratio Lower Upper

127 100

129 83.8 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

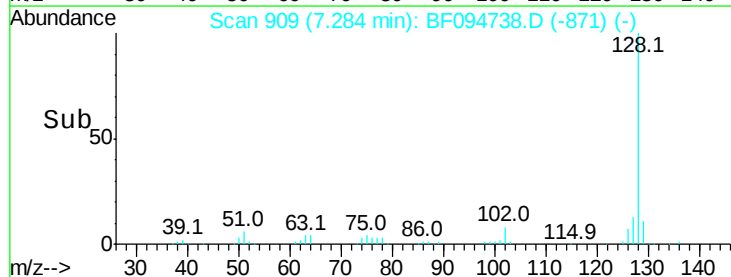
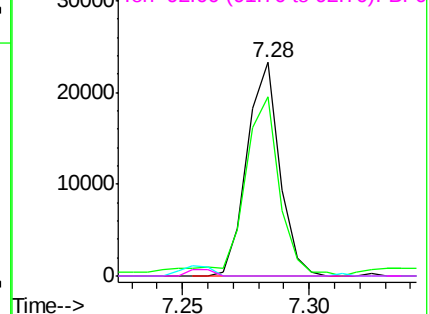


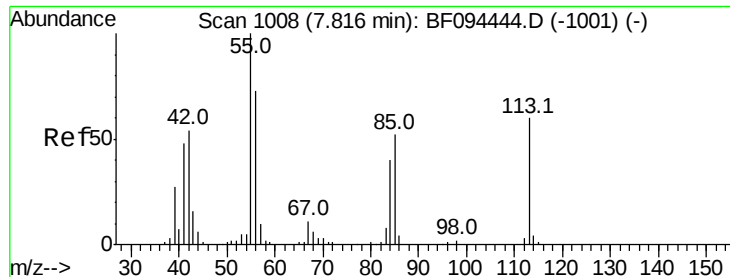
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

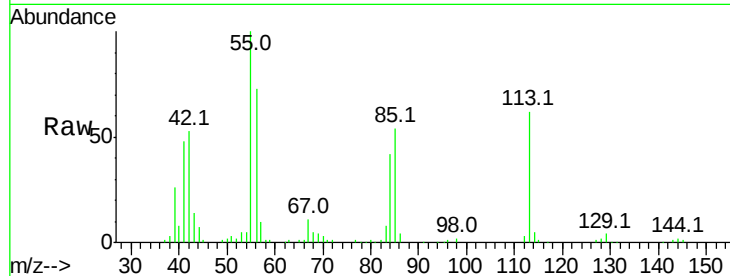




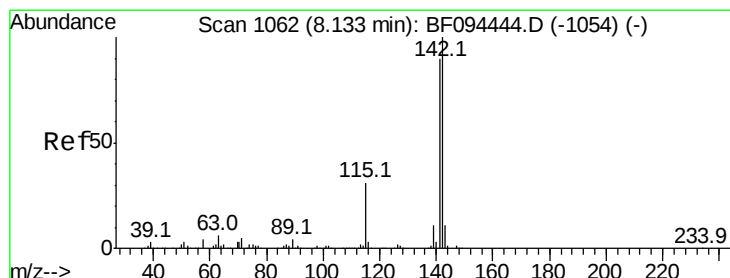
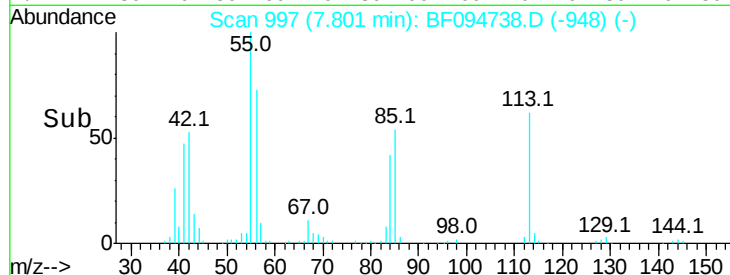
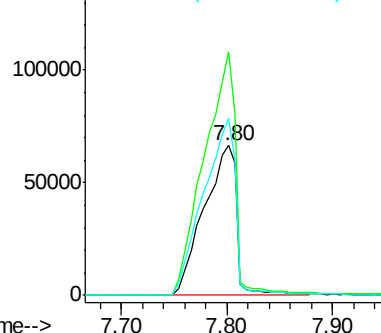
#35
 Caprolactam
 Concen: 71.60 ng
 RT: 7.80 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: BF094738.D
 Acq: 1 May 2017 3:19

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:113 Resp: 142230
 Ion Ratio Lower Upper
 113 100
 55 162.5 150.2 190.2
 56 117.9 107.8 147.8

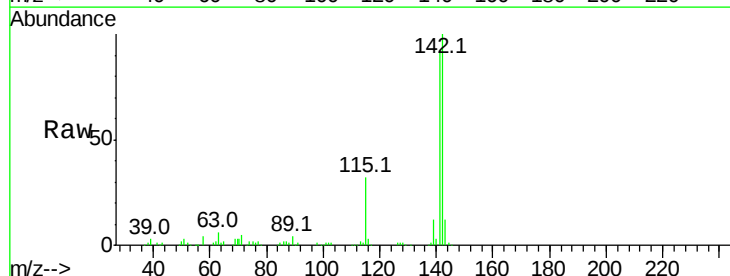


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

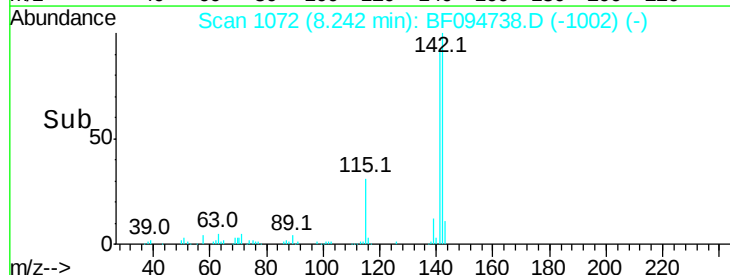
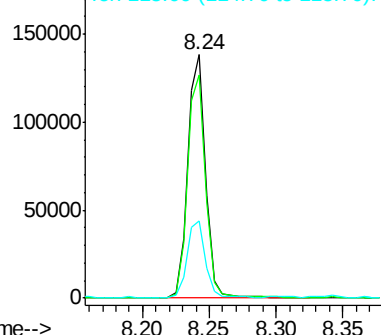


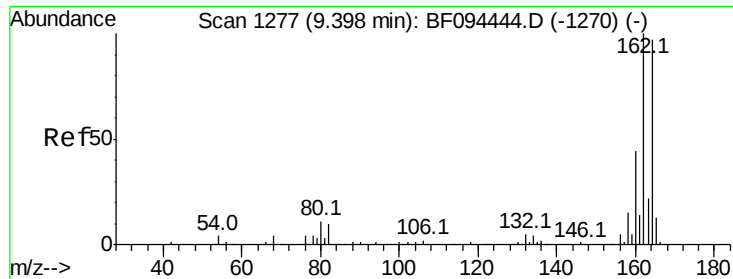
#37
 2-Methylnaphthalene
 Concen: 8.75 ng
 RT: 8.24 min Scan# 1072
 Delta R.T. 0.11 min
 Lab File: BF094738.D
 Acq: 1 May 2017 3:19

Tgt Ion:142 Resp: 131370
 Ion Ratio Lower Upper
 142 100
 141 91.7 71.3 106.9
 115 31.7 27.1 40.7



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

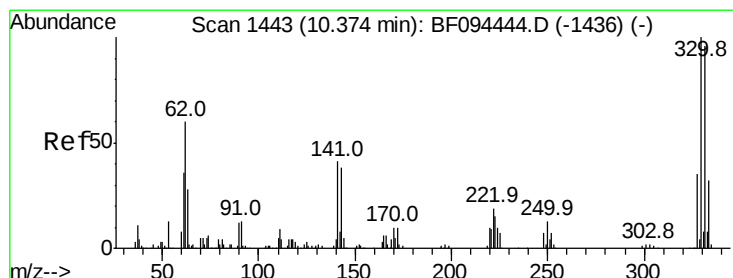
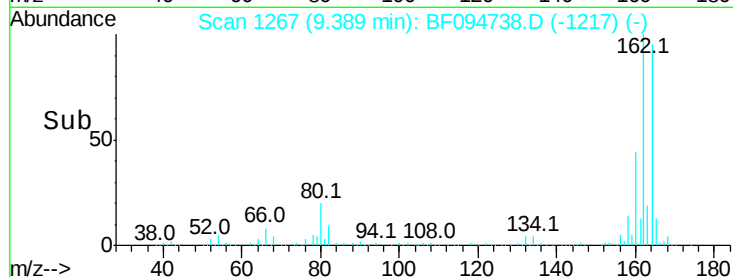
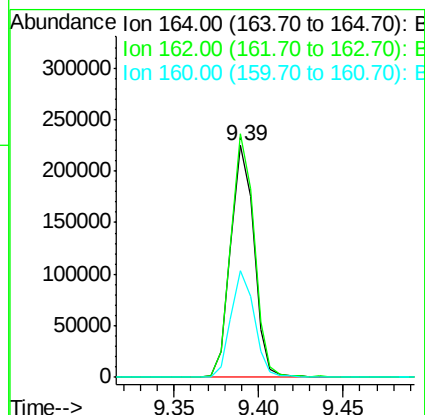
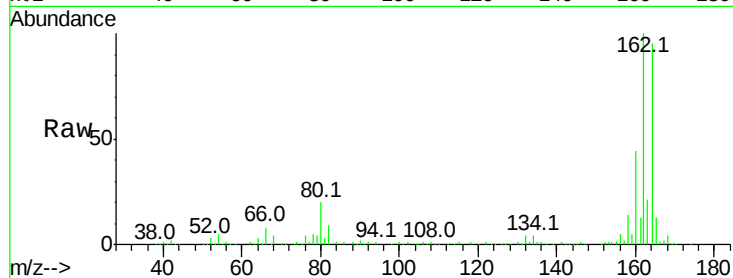




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.39 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF094738.D
Acq: 1 May 2017 3:19

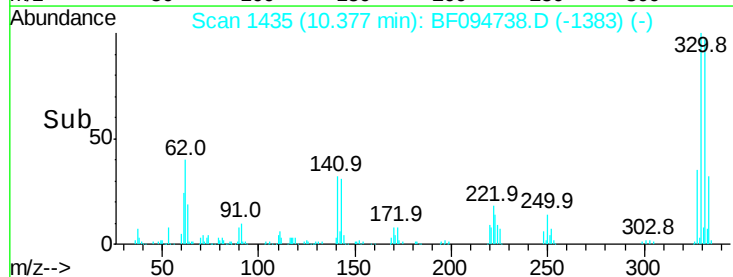
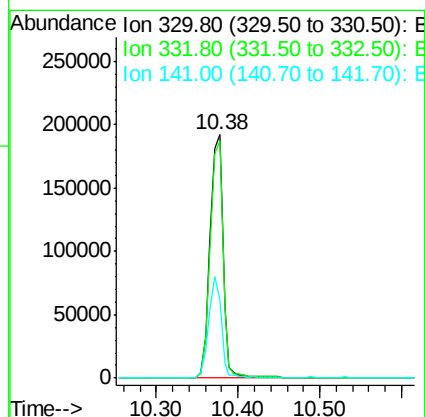
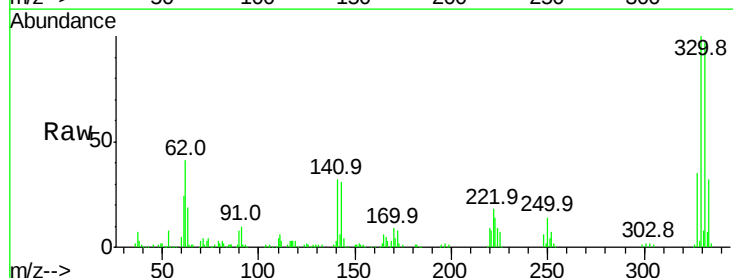
Instrument :
BNA_F
ClientSampleId :

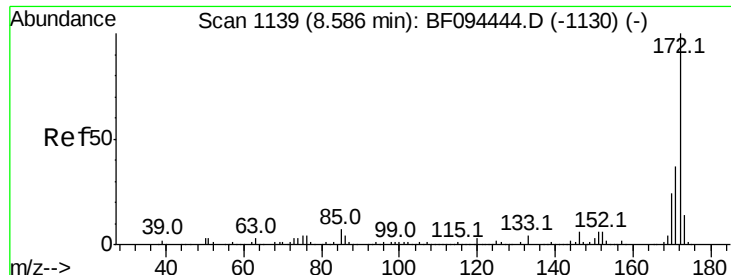
Tot Ion:164 Resp: 217158
Ion Ratio Lower Upper
164 100
162 105.0 82.6 123.8
160 45.9 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 126.22 ng
RT: 10.38 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BF094738.D
Acq: 1 May 2017 3:19

Tgt Ion:330 Resp: 214392
Ion Ratio Lower Upper
330 100
332 95.7 76.6 115.0
141 40.8 31.4 47.2



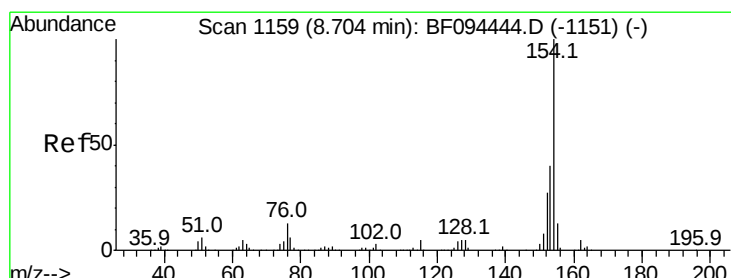
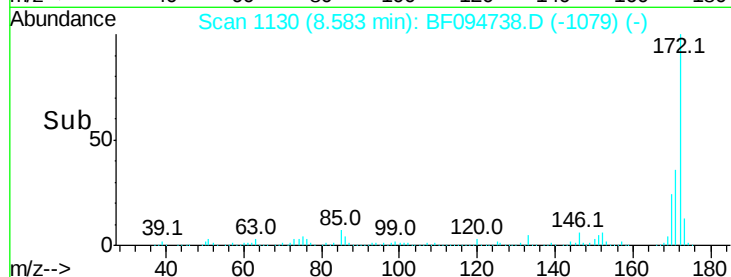
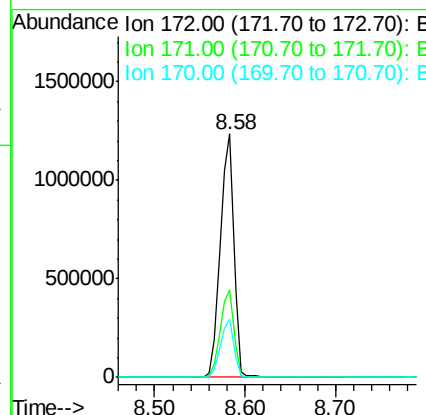
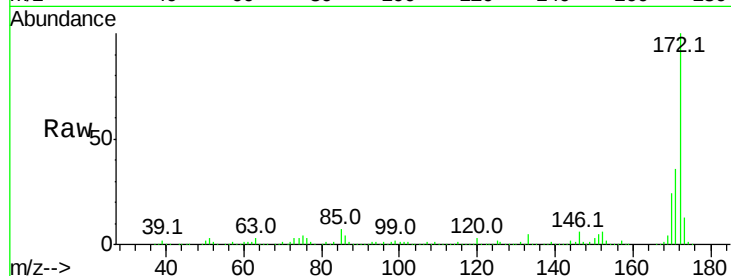


#44
 2-Fluorobiphenyl
 Concen: 86.56 ng
 RT: 8.58 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF094738.D
 Acq: 1 May 2017 3:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1277515

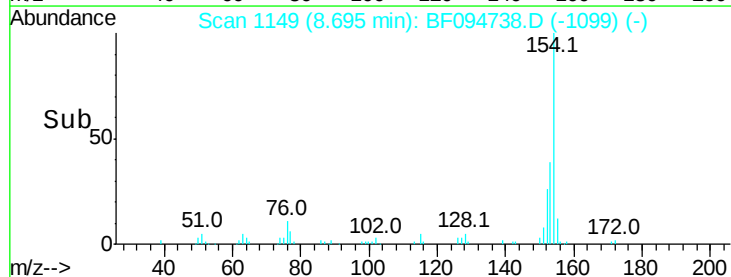
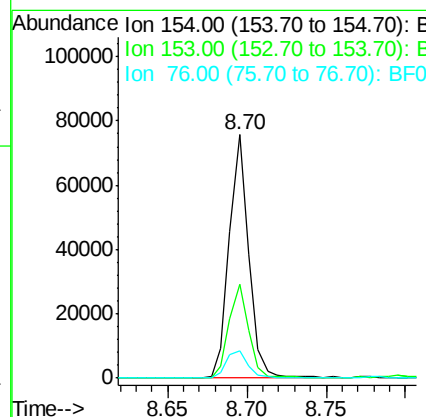
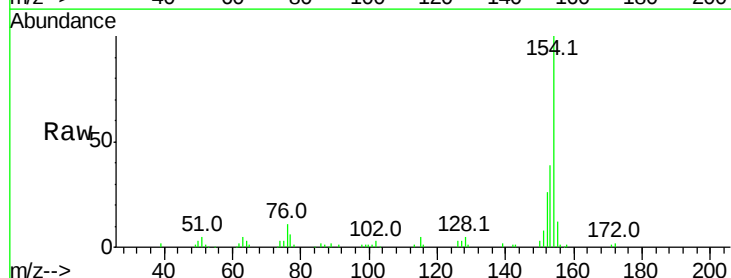
Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.7	19.8	29.8

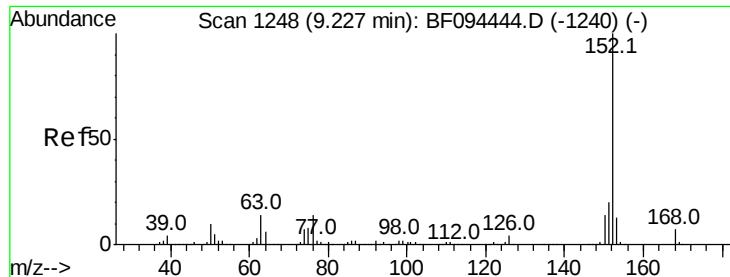


#45
 1,1'-Biphenyl
 Concen: 3.65 ng
 RT: 8.70 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF094738.D
 Acq: 1 May 2017 3:19

Tgt Ion:154 Resp: 64687

Ion	Ratio	Lower	Upper
154	100		
153	38.6	21.2	61.2
76	11.2	0.0	29.9

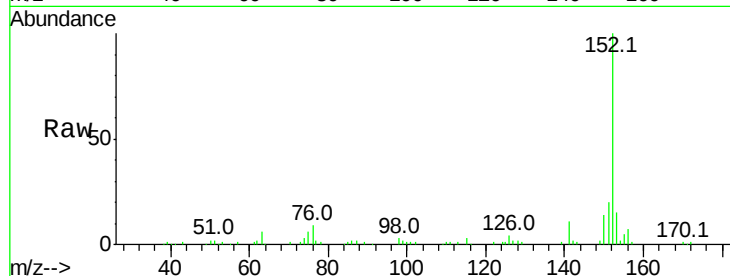




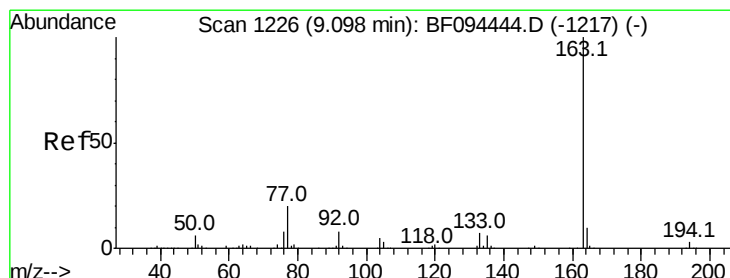
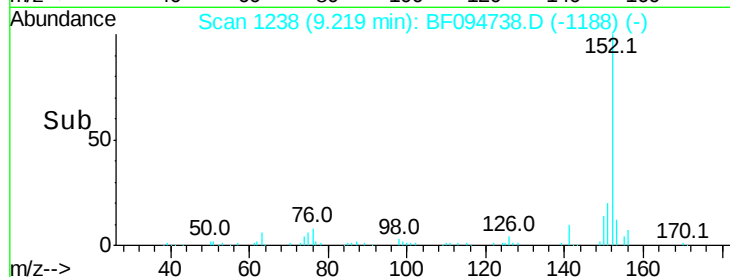
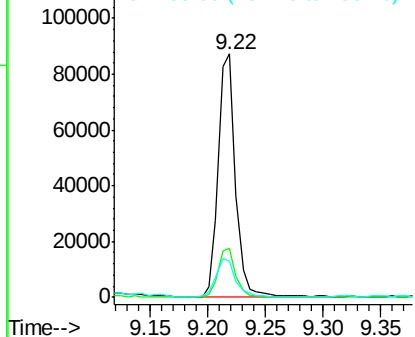
#48
Acenaphthylene
Concen: 4.16 ng
RT: 9.22 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BF094738.D
Acq: 1 May 2017 3:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 91429
Ion Ratio Lower Upper
152 100
151 20.3 16.8 25.2
153 14.9 10.8 16.2

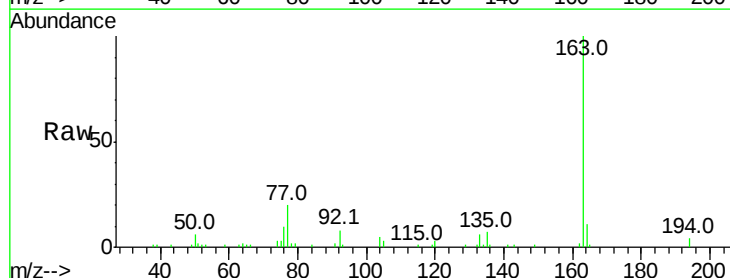


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

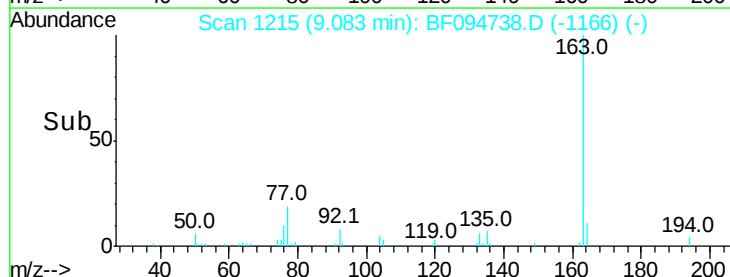
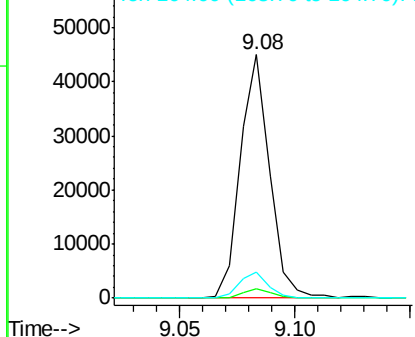


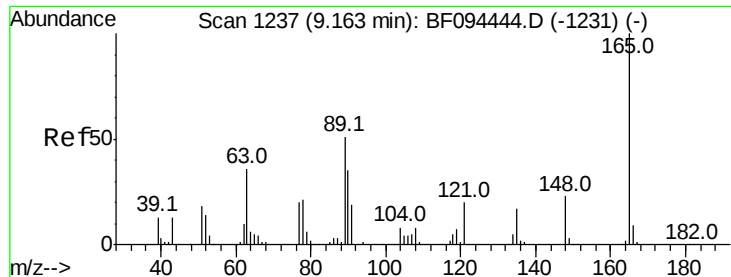
#49
Dimethylphthalate
Concen: 2.47 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094738.D
Acq: 1 May 2017 3:19

Tgt Ion:163 Resp: 40022
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 10.5 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

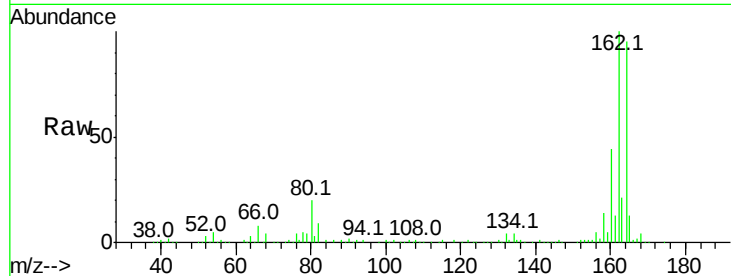




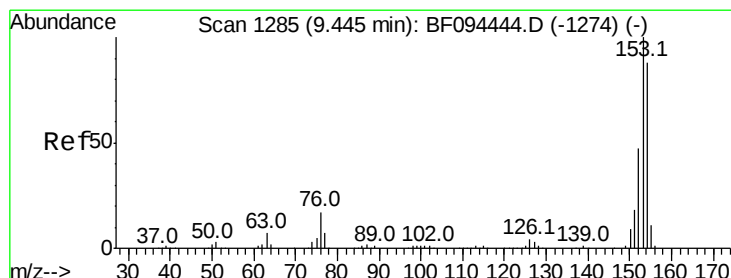
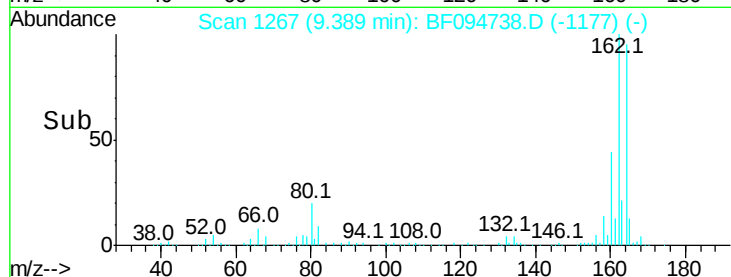
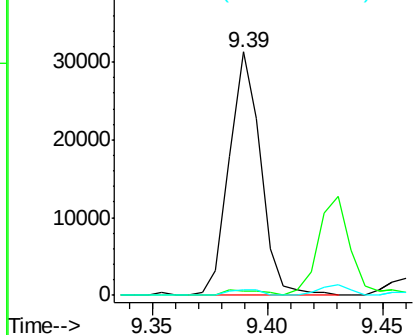
#50
 2,6-Dinitrotoluene
 Concen: 8.16 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. 0.23 min
 Lab File: BF094738.D
 Acq: 1 May 2017 3:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.3	51.5#
89	2.2	37.1	55.7#

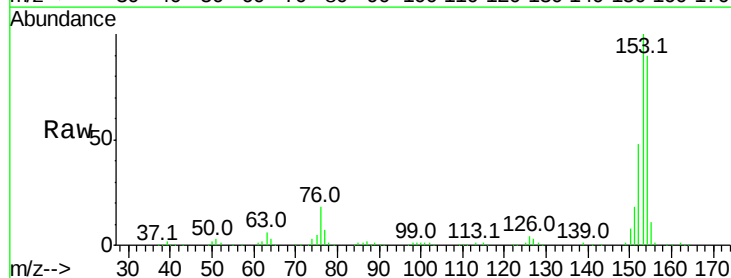


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

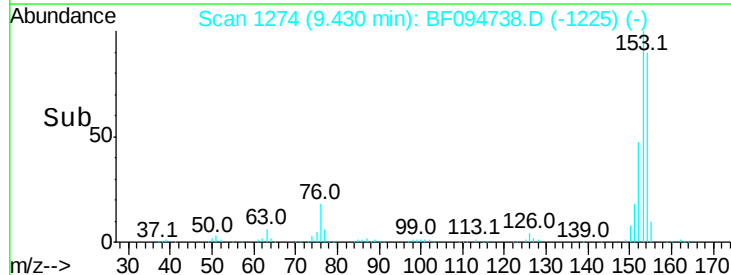
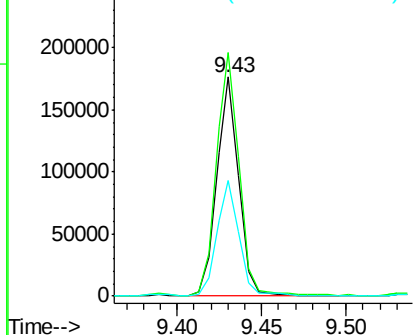


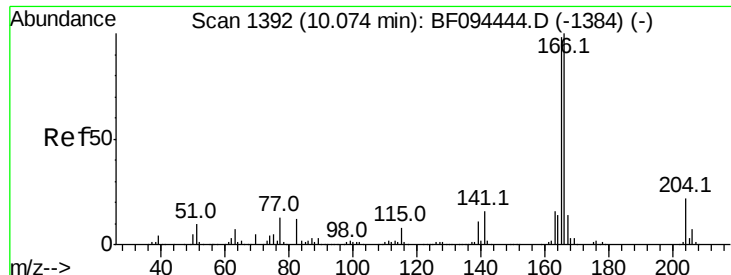
#51
 Acenaphthene
 Concen: 12.22 ng
 RT: 9.43 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: BF094738.D
 Acq: 1 May 2017 3:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.1	90.5	135.7
152	52.8	43.6	65.4



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

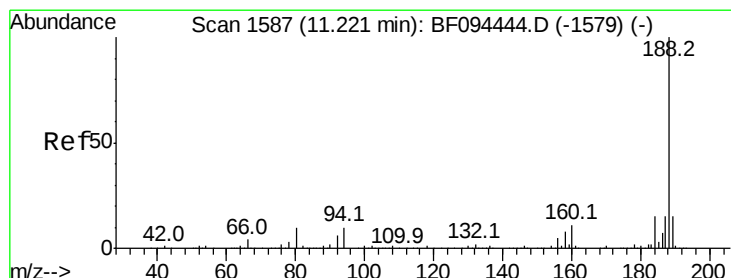
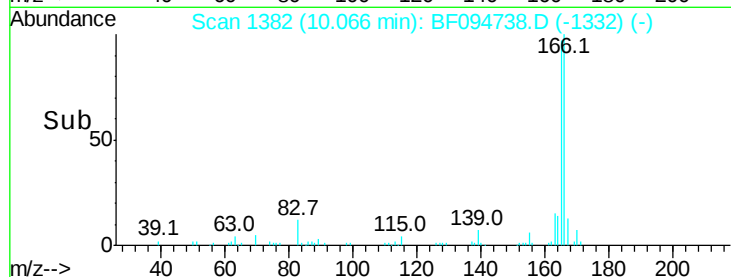
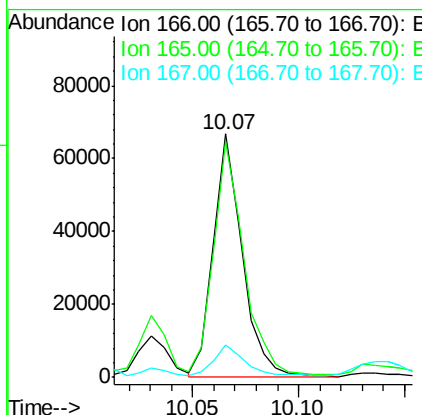
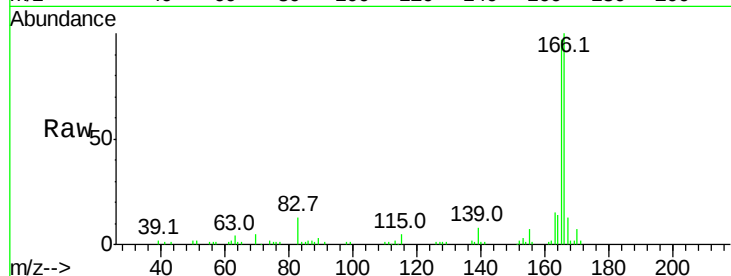




#57
Fluorene
 Concen: 4.35 ng
 RT: 10.07 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: BF094738.D
 Acq: 1 May 2017 3:19

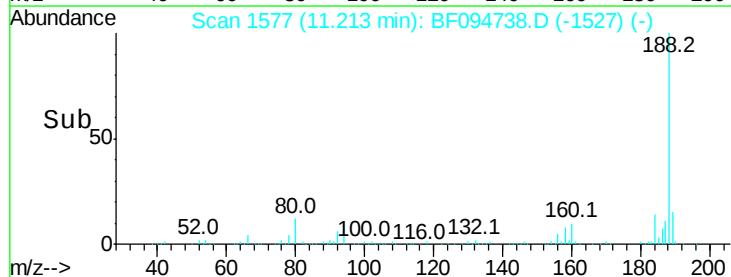
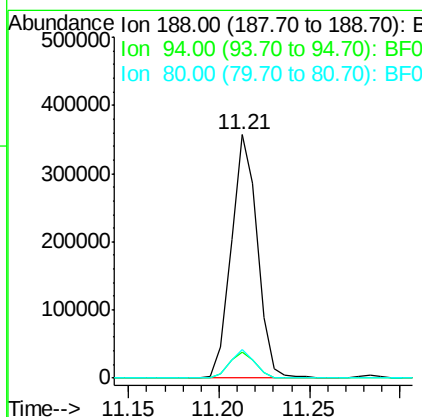
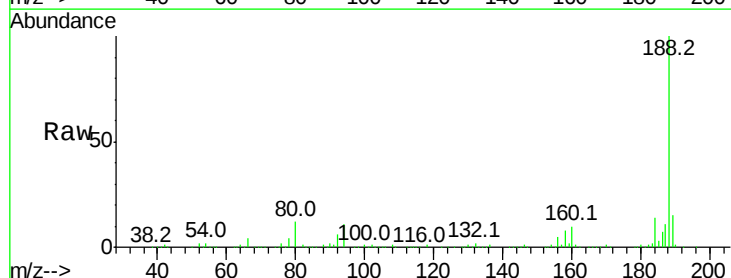
Instrument :
 BNA_F
 ClientSampleId :

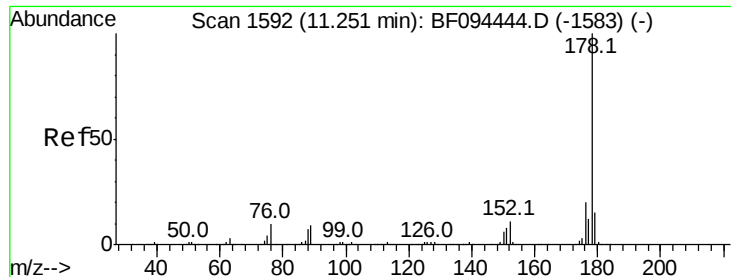
Tot Ion:166 Resp: 64846
 Ion Ratio Lower Upper
 166 100
 165 96.8 78.8 118.2
 167 13.3 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF094738.D
 Acq: 1 May 2017 3:19

Tgt Ion:188 Resp: 355596
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.4 14.2
 80 11.8 10.2 15.2

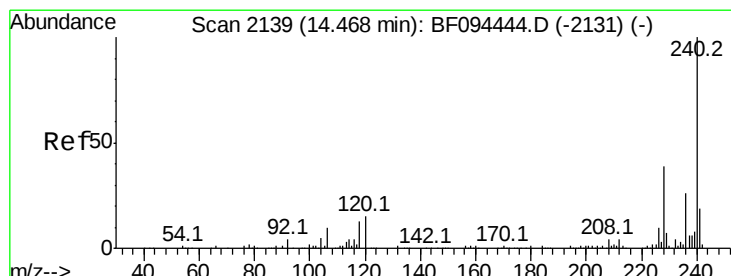
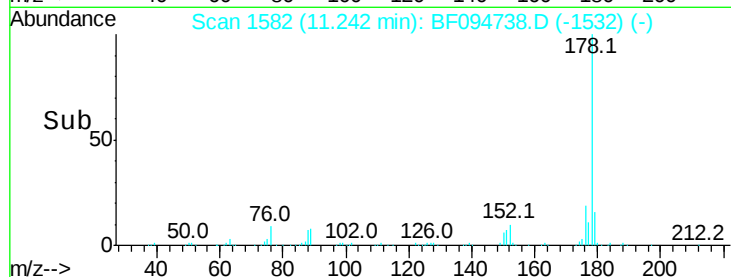
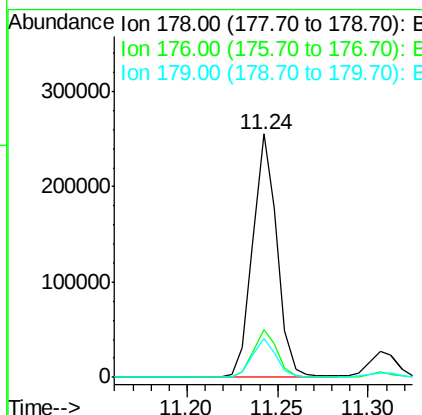
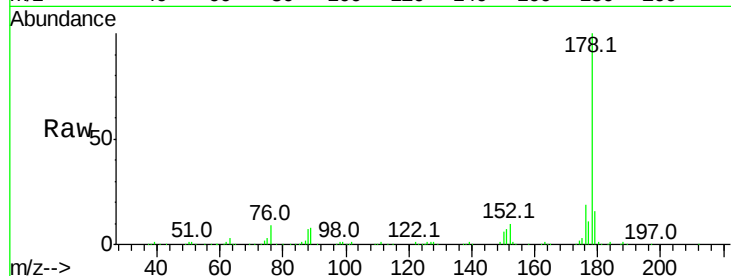




#70
 Phenanthrene
 Concen: 11.85 ng
 RT: 11.24 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF094738.D
 Acq: 1 May 2017 3:19

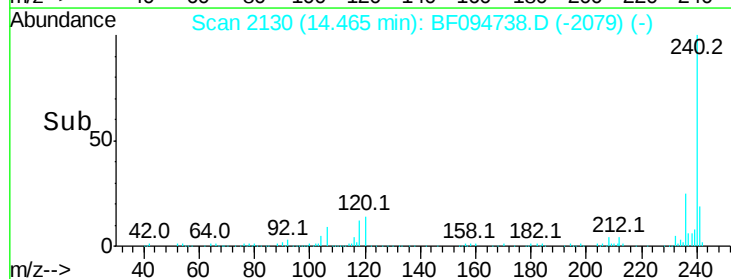
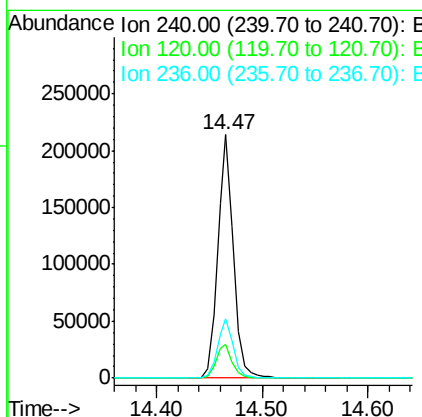
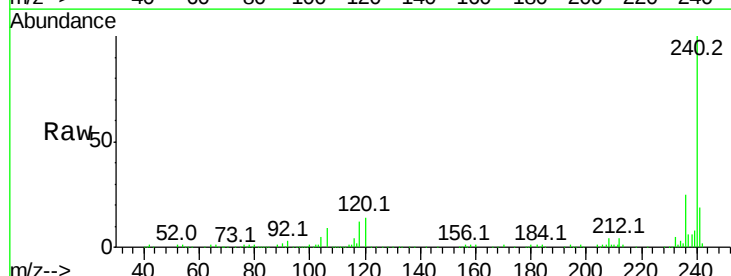
Instrument :
 BNA_F
 ClientSampleId :

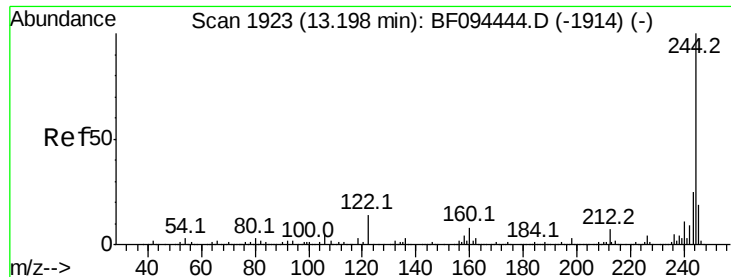
Tot Ion:178 Resp: 237273
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.4
 179 15.7 12.6 19.0



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.47 min Scan# 2130
 Delta R.T. -0.00 min
 Lab File: BF094738.D
 Acq: 1 May 2017 3:19

Tgt Ion:240 Resp: 223080
 Ion Ratio Lower Upper
 240 100
 120 14.1 5.8 8.8#
 236 24.6 20.5 30.7

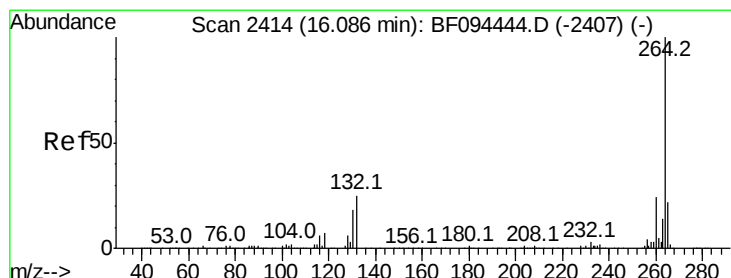
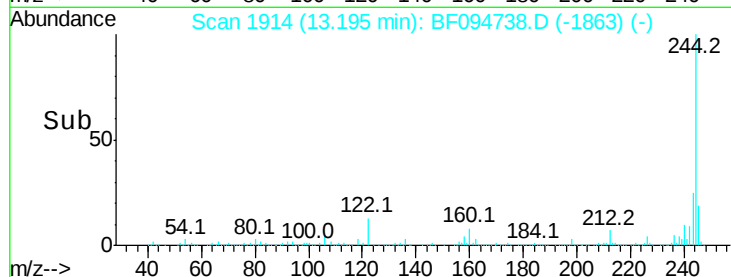
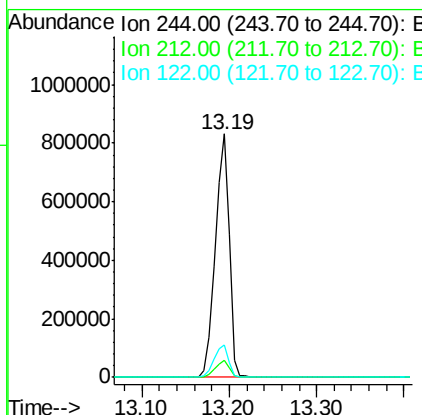
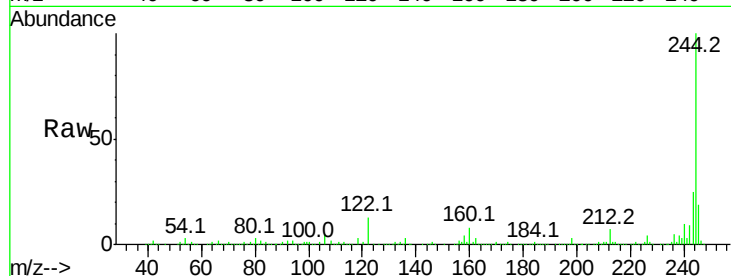




#78
 Terphenyl-d14
 Concen: 110.60 ng
 RT: 13.19 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: BF094738.D
 Acq: 1 May 2017 3:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 923024
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 13.5 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.09 min Scan# 2407
 Delta R.T. 0.01 min
 Lab File: BF094738.D
 Acq: 1 May 2017 3:19

Tgt Ion:264 Resp: 210039
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.5 29.3
 265 22.0 17.2 25.8

