

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043017\
 Data File : BF094729.D
 Acq On : 30 Apr 2017 21:52
 Operator : SJ/MA
 Sample : I2902-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 01:23:08 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

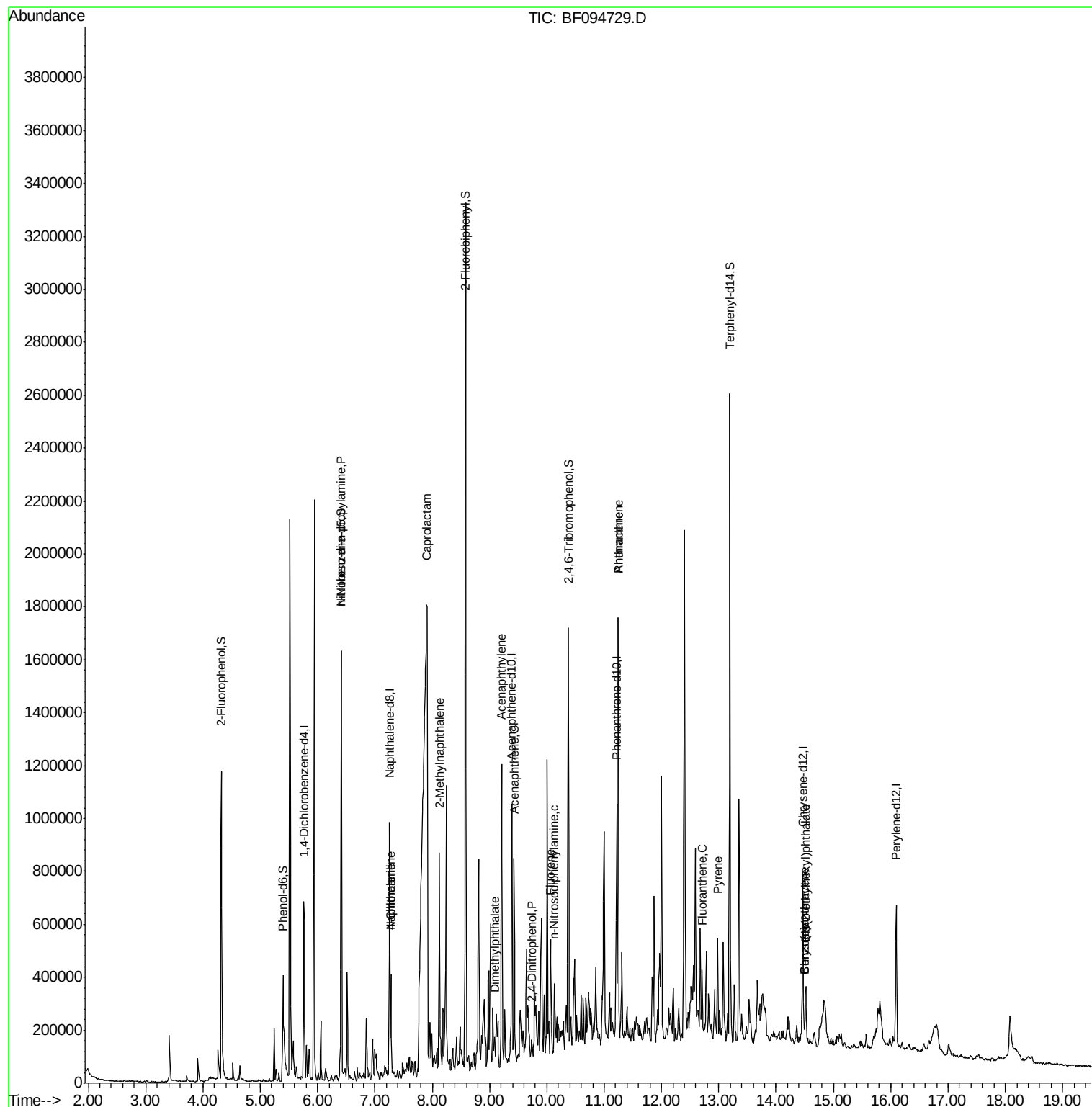
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	111015	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	452556	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	213598	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	356062	20.00	ng	0.00
75) Chrysene-d12	14.47	240	234241	20.00	ng	0.00
86) Perylene-d12	16.09	264	208440	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	396860	59.31	ng	0.02
7) Phenol-d6	5.40	99	307621	39.00	ng	0.00
23) Nitrobenzene-d5	6.41	82	592733	80.87	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	204082	122.15	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1164245	80.20	ng	0.00
78) Terphenyl-d14	13.19	244	899796	102.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.41	70	77898	14.90	ng	Qvalue # 77
31) Naphthalene	7.28	128	191671	8.81	ng	99
33) 4-Chloroaniline	7.28	127	26193	2.89	ng	# 30
35) Caprolactam	7.91	113	1108867	563.35	ng	88
37) 2-Methylnaphthalene	8.12	142	231617	15.56	ng	96
48) Acenaphthylene	9.22	152	258368	11.94	ng	# 95
49) Dimethylphthalate	9.09	163	49969	3.14	ng	96
51) Acenaphthene	9.43	154	153219	11.83	ng	100
53) 2,4-Dinitrophenol	9.75	184	1607	6.53	ng	94
57) Fluorene	10.07	166	109920	7.50	ng	# 95
65) n-Nitrosodiphenylamine	10.13	169	38544	3.11	ng	90
70) Phenanthrene	11.25	178	648153	32.33	ng	98
71) Anthracene	11.25	178	648153	31.25	ng	99
74) Fluoranthene	12.71	202	98223	4.73	ng	98
77) Pyrene	12.98	202	161240	9.85	ng	98
80) Benzo(a)anthracene	14.49	228	34689	2.55	ng	95
82) Chrysene	14.49	228	34689	2.79	ng	# 96
83) Bis(2-ethylhexyl)phthalate	14.52	149	74699	7.76	ng	# 99

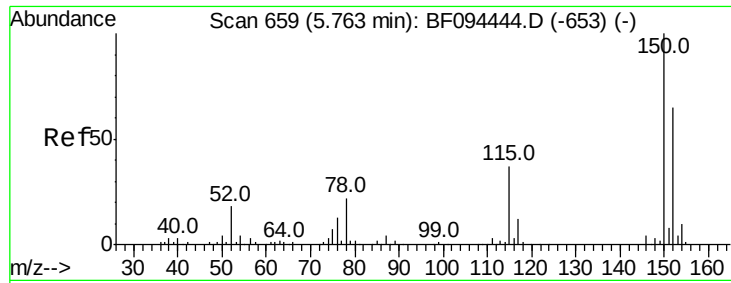
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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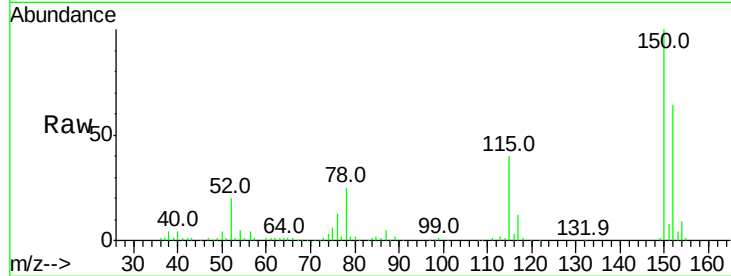


#1

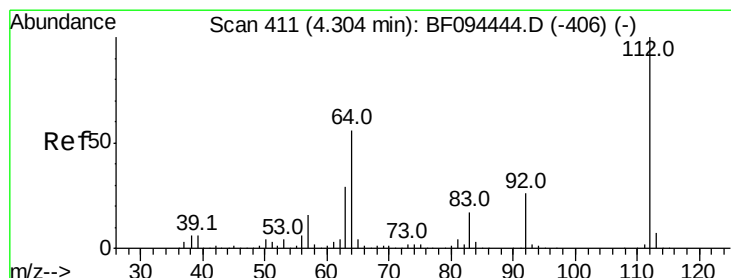
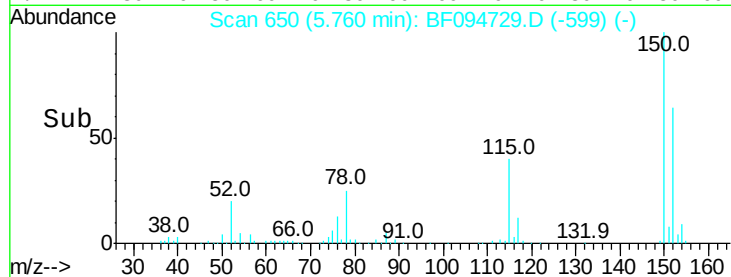
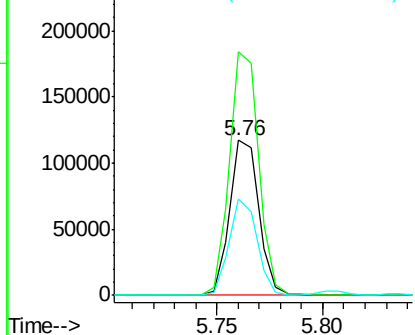
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094729.D
Acq: 30 Apr 2017 21:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 111015
Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.2
115 62.2 52.2 78.2



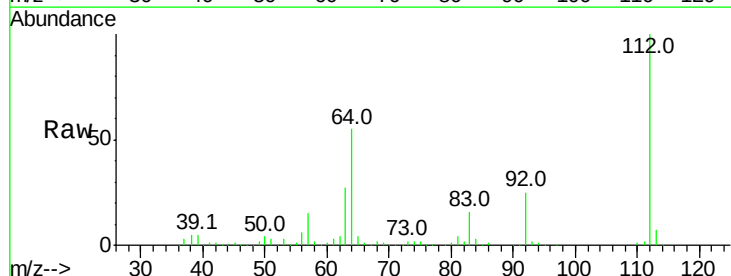
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



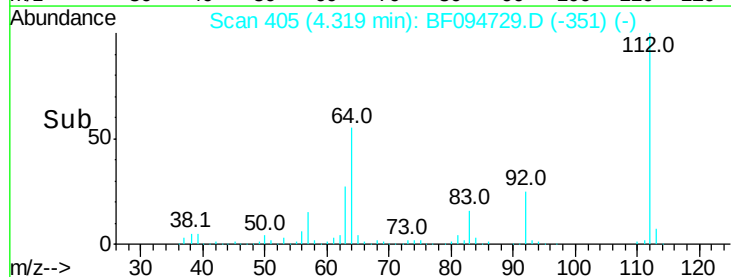
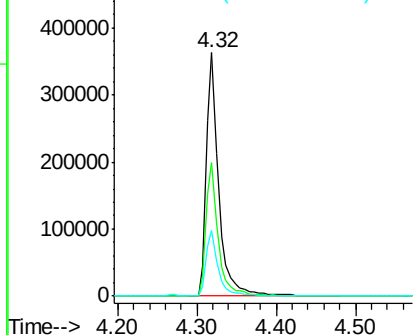
#5

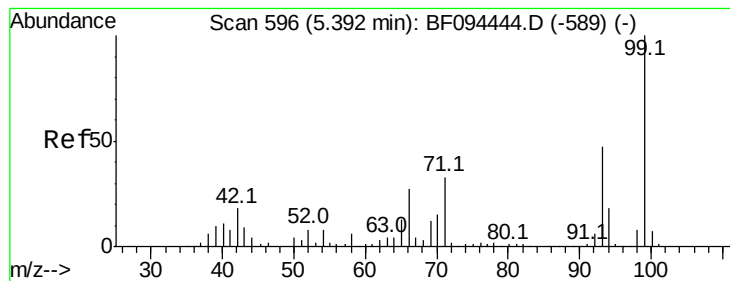
2-Fluorophenol
Concen: 59.31 ng
RT: 4.32 min Scan# 405
Delta R.T. 0.02 min
Lab File: BF094729.D
Acq: 30 Apr 2017 21:52

Tgt Ion:112 Resp: 396860
Ion Ratio Lower Upper
112 100
64 54.9 46.0 69.0
63 26.8 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: 39.00 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

Instrument :

BNA_F

ClientSampleId :

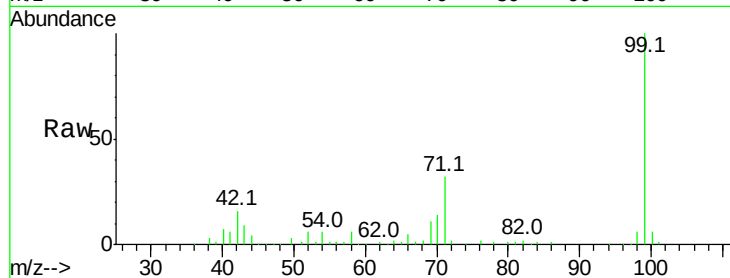
Tot Ion: 99 Resp: 307621

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

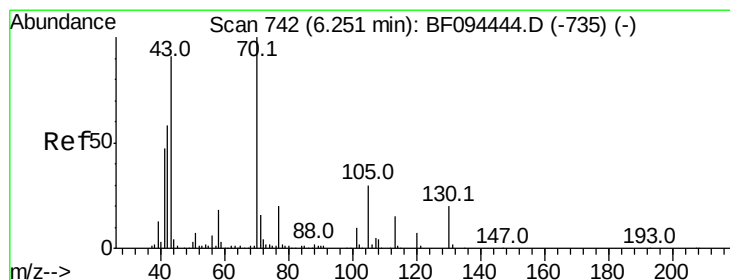
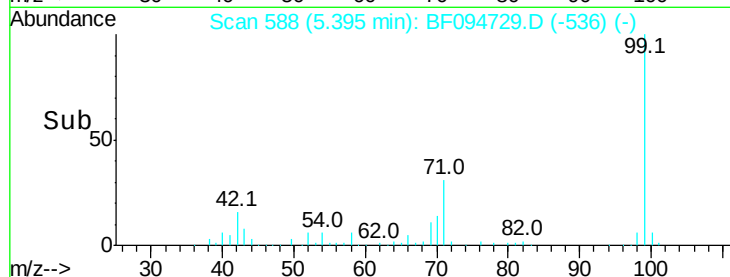
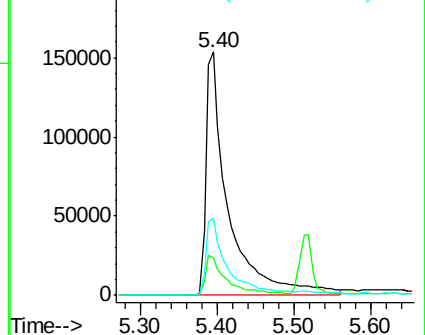
71 31.9 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.90 ng

RT: 6.41 min Scan# 761

Delta R.T. 0.16 min

Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

Tgt Ion: 70 Resp: 77898

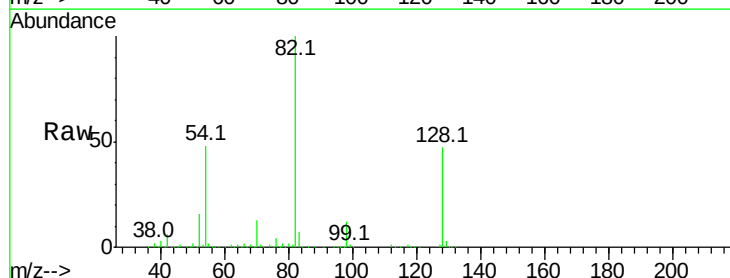
Ion Ratio Lower Upper

70 100

42 45.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

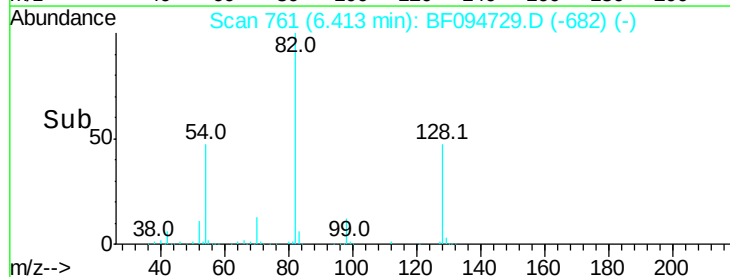
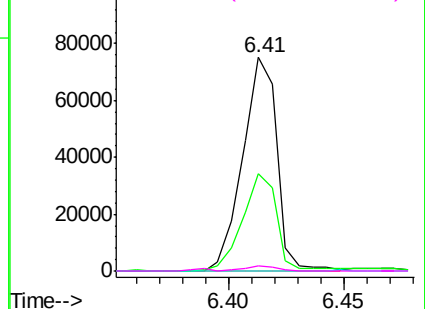


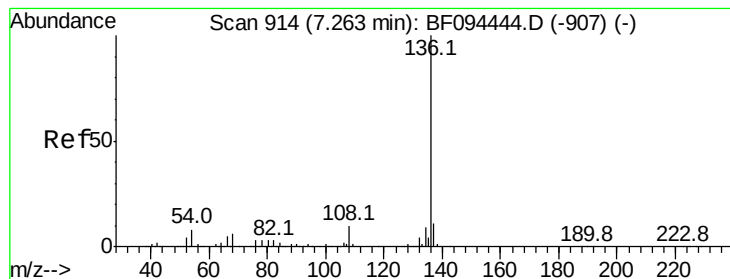
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF094729.D

Acq: 30 Apr 2017 21:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 452556

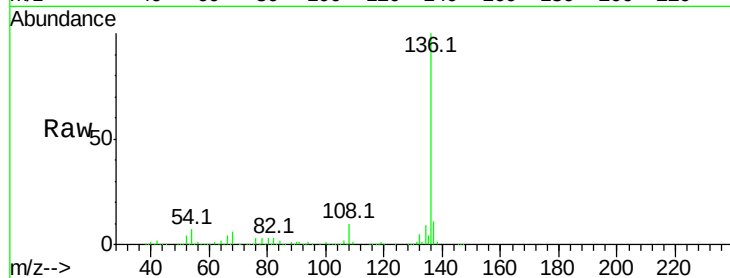
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.2 4.9 7.3

68 5.9 4.1 6.1

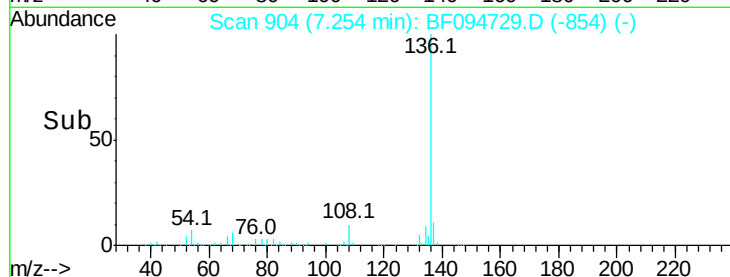


Abundance Ion 136.00 (135.70 to 136.70): E

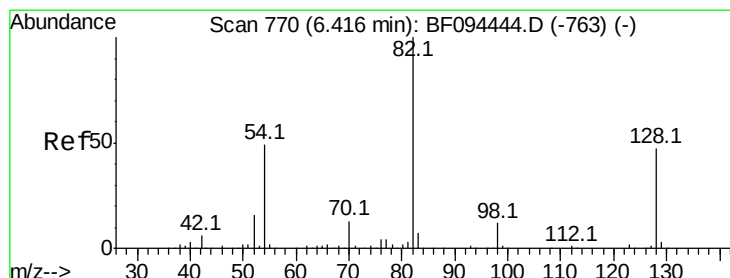
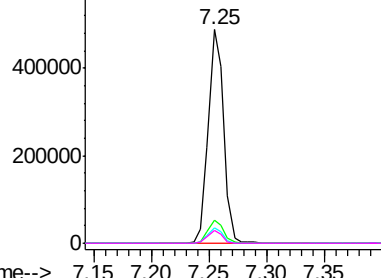
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 80.87 ng

RT: 6.41 min Scan# 761

Delta R.T. -0.00 min

Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

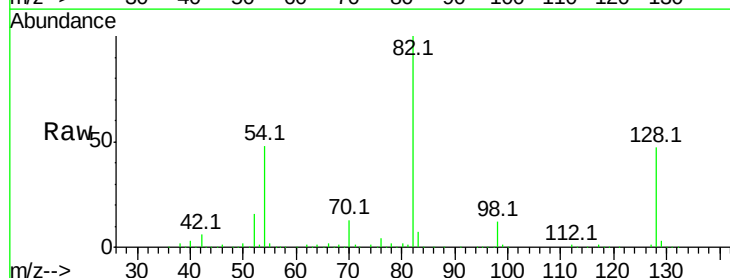
Tgt Ion: 82 Resp: 592733

Ion Ratio Lower Upper

82 100

128 46.5 34.0 51.0

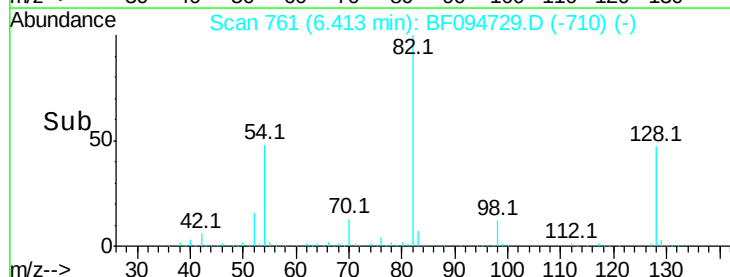
54 48.1 42.2 63.2



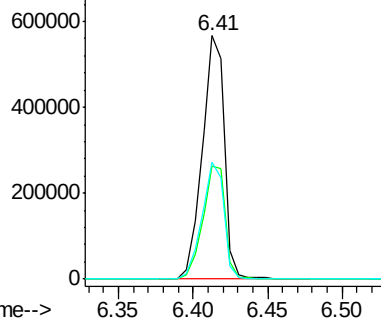
Abundance Ion 82.00 (81.70 to 82.70): BF0

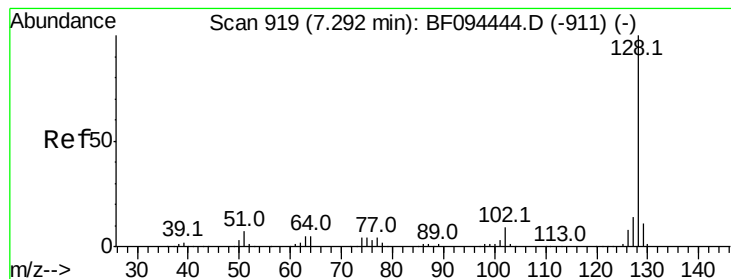
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#31

Naphthalene

Concen: 8.81 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

Instrument :

BNA_F

ClientSampled :

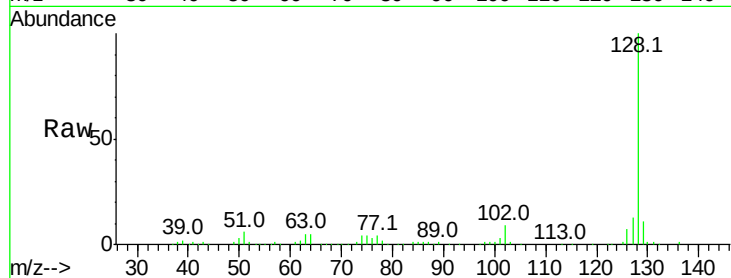
Tot Ion:128 Resp: 191671

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

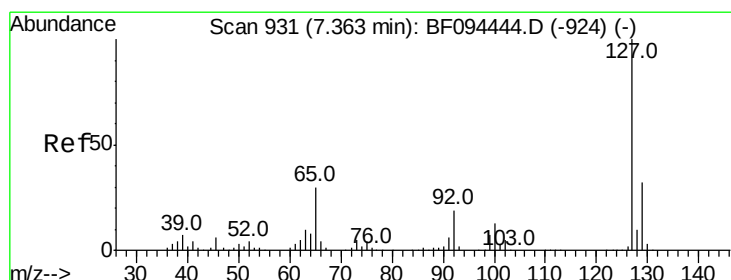
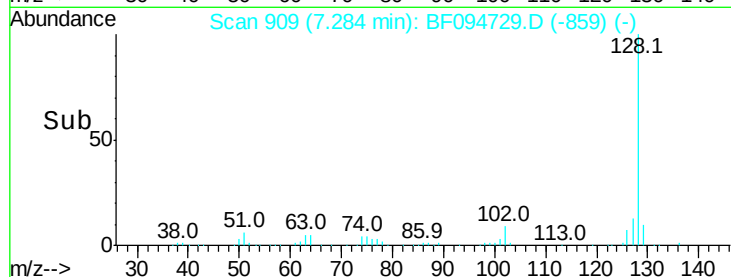
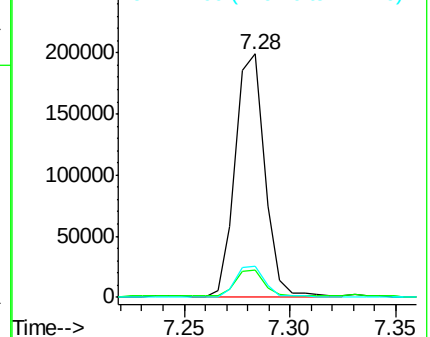
127 12.8 10.8 16.2



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: 2.89 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.08 min

Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

Tgt Ion:127 Resp: 26193

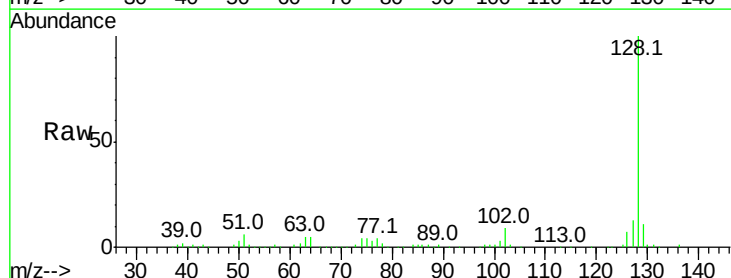
Ion Ratio Lower Upper

127 100

129 86.6 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

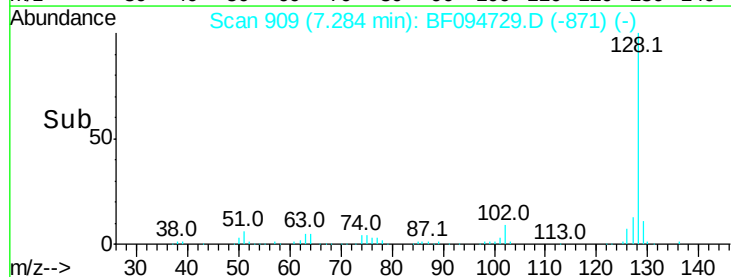
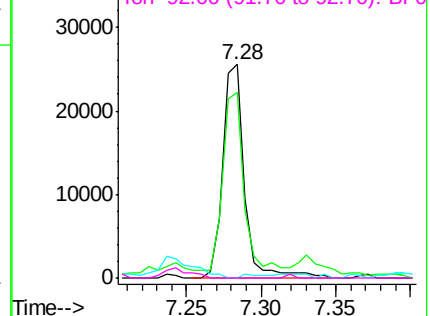


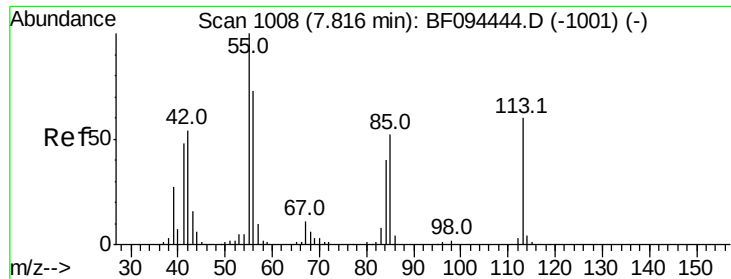
Abundance Ion 127.00 (126.70 to 127.70): E

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

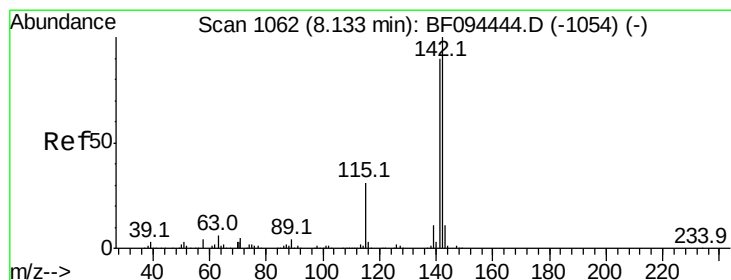
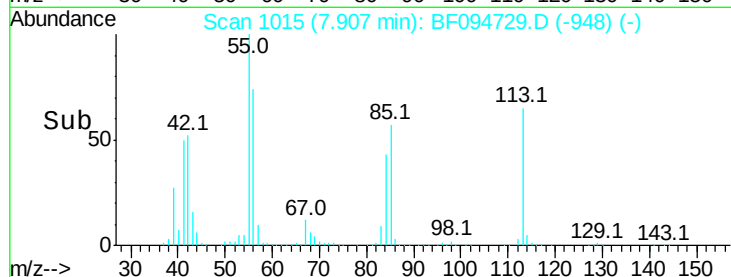
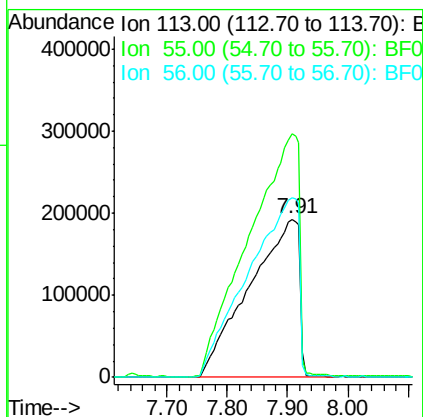
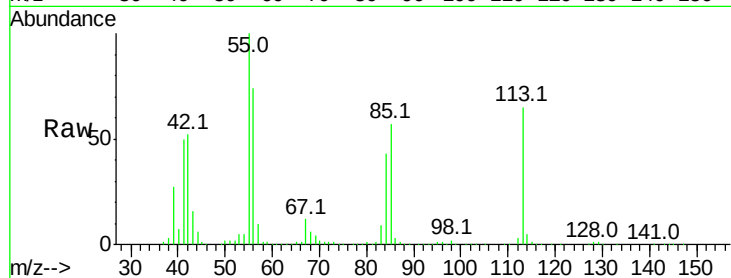




#35
 Caprolactam
 Concen: 563.35 ng
 RT: 7.91 min Scan# 1015
 Delta R.T. 0.09 min
 Lab File: BF094729.D
 Acq: 30 Apr 2017 21:52

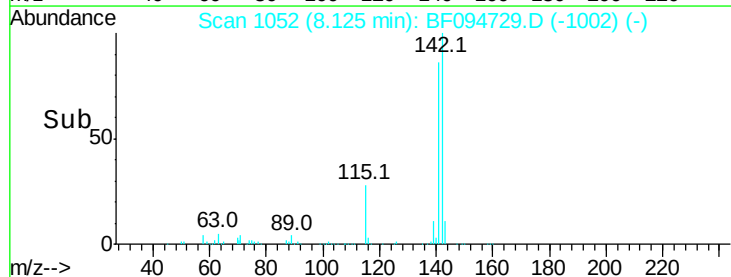
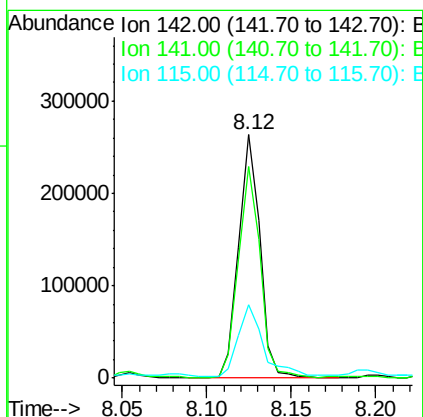
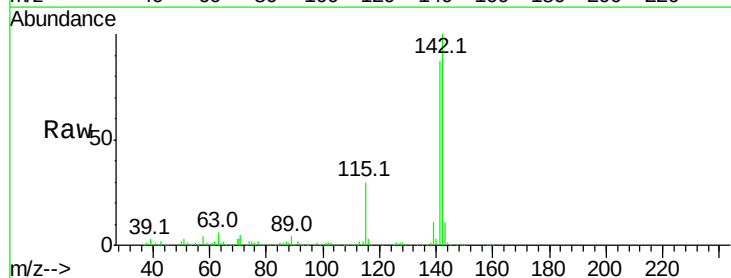
Instrument :
 BNA_F
 ClientSampled :

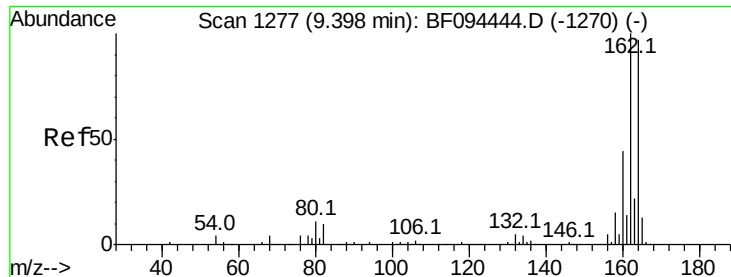
Tot Ion:113 Resp: 1108867
 Ion Ratio Lower Upper
 113 100
 55 153.8 150.2 190.2
 56 113.7 107.8 147.8



#37
 2-Methylnaphthalene
 Concen: 15.56 ng
 RT: 8.12 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: BF094729.D
 Acq: 30 Apr 2017 21:52

Tgt Ion:142 Resp: 231617
 Ion Ratio Lower Upper
 142 100
 141 86.8 71.3 106.9
 115 29.9 27.1 40.7

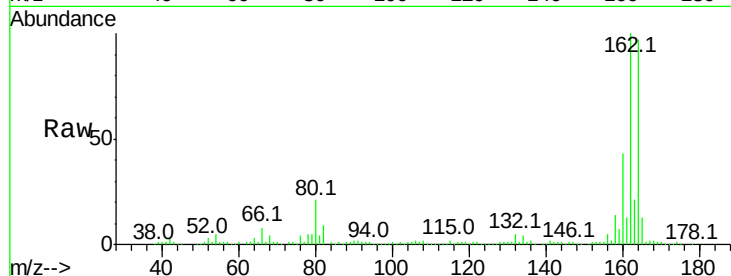




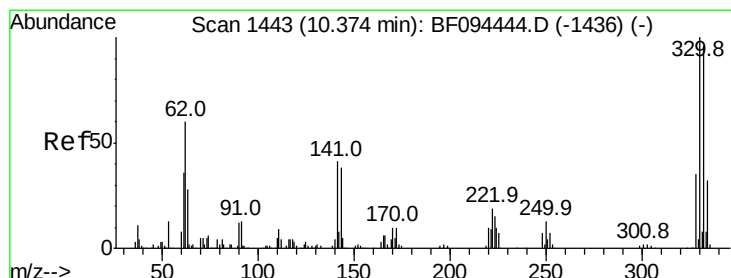
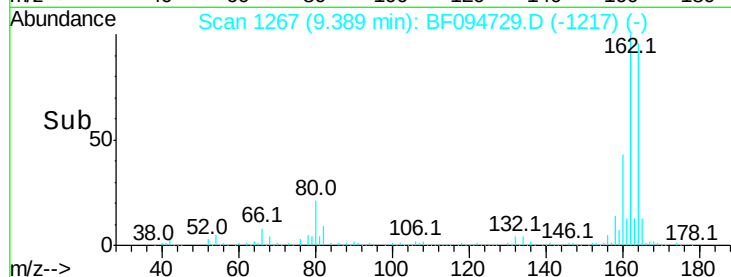
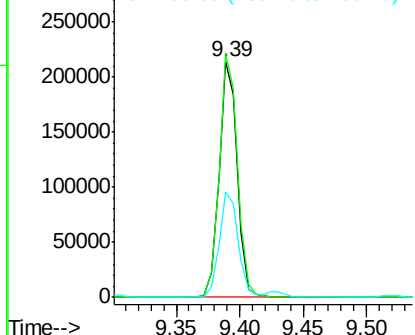
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094729.D
 Acq: 30 Apr 2017 21:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 213598
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.6 123.8
 160 44.6 36.2 54.2

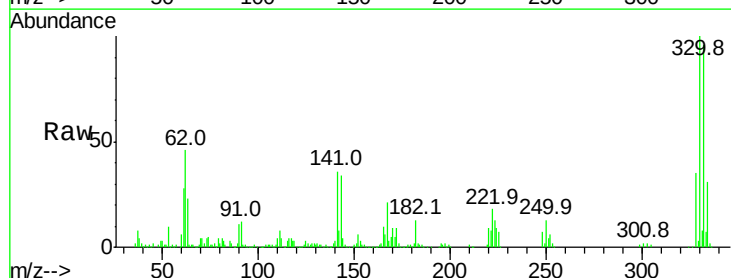


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

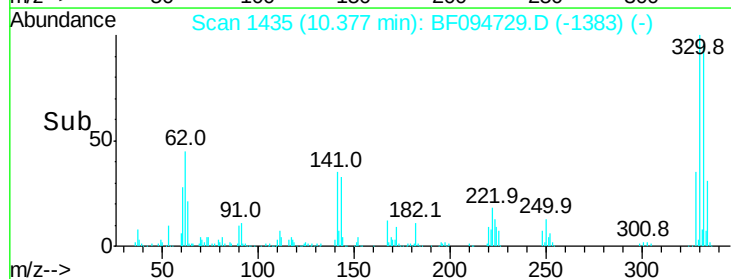
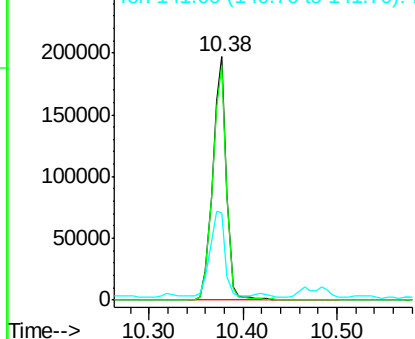


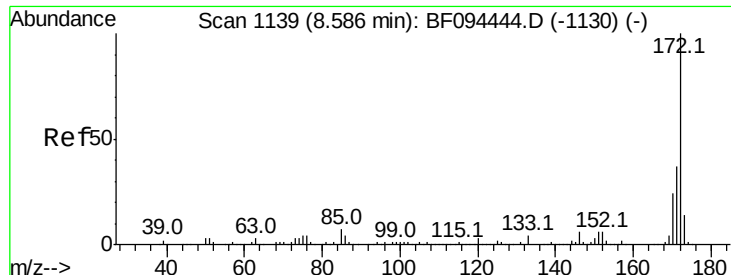
#41
 2,4,6-Tribromophenol
 Concen: 122.15 ng
 RT: 10.38 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF094729.D
 Acq: 30 Apr 2017 21:52

Tgt Ion:330 Resp: 204082
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 37.4 31.4 47.2



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



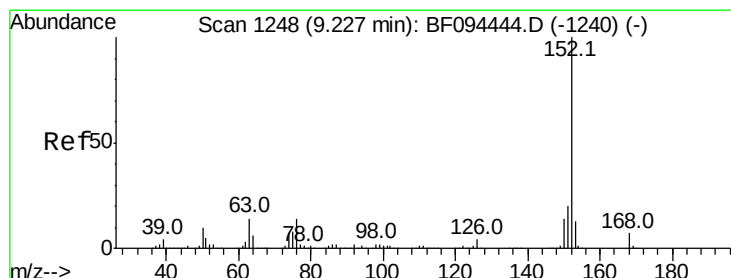
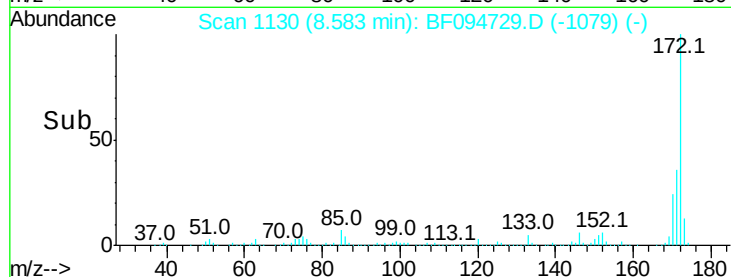
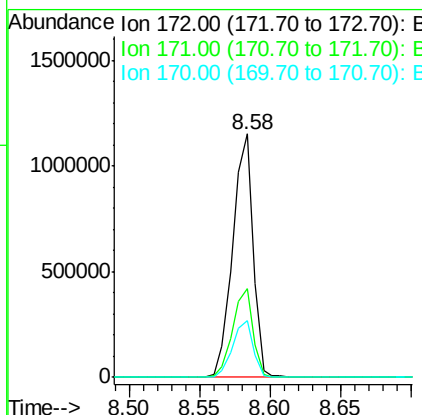
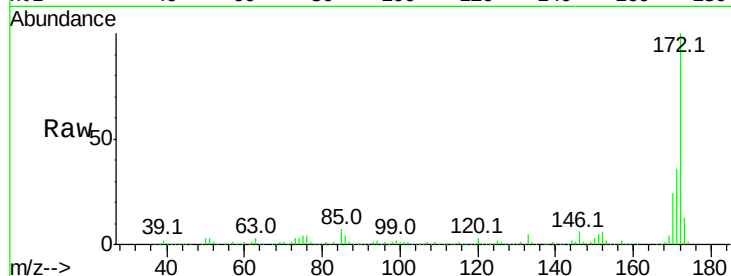


#44
 2-Fluorobiphenyl
 Concen: 80.20 ng
 RT: 8.58 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF094729.D
 Acq: 30 Apr 2017 21:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1164245

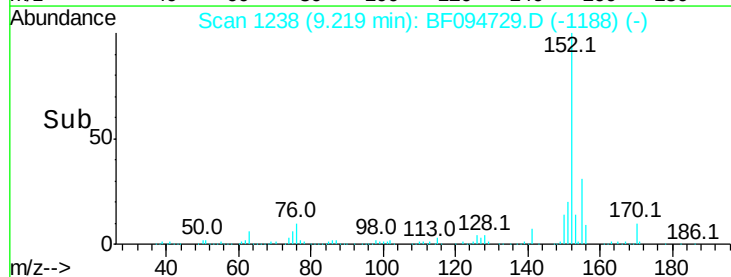
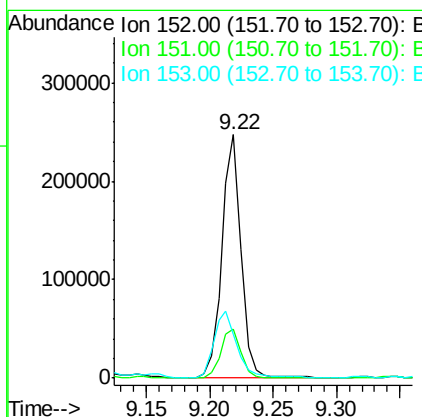
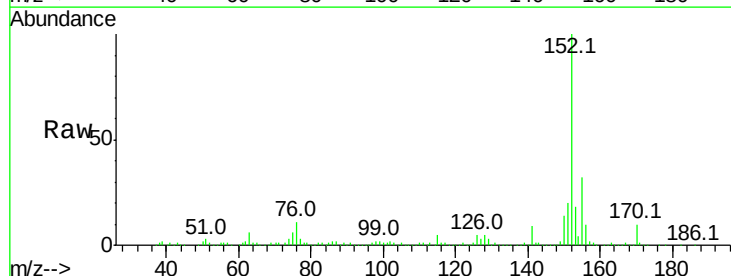
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.6	19.8	29.8

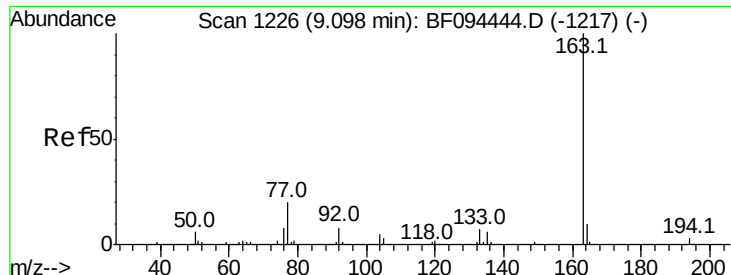


#48
 Acenaphthylene
 Concen: 11.94 ng
 RT: 9.22 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: BF094729.D
 Acq: 30 Apr 2017 21:52

Tgt Ion:152 Resp: 258368

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.8	25.2
153	18.2	10.8	16.2#

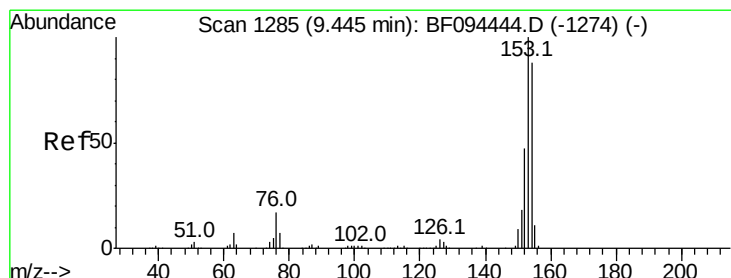
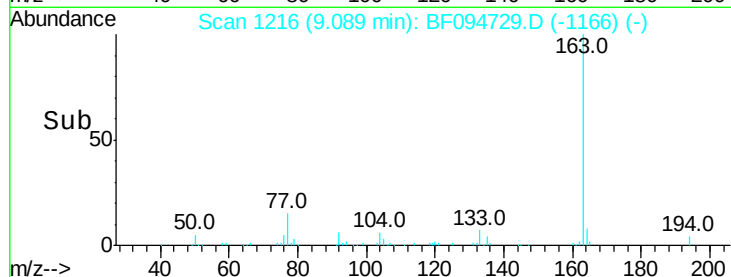
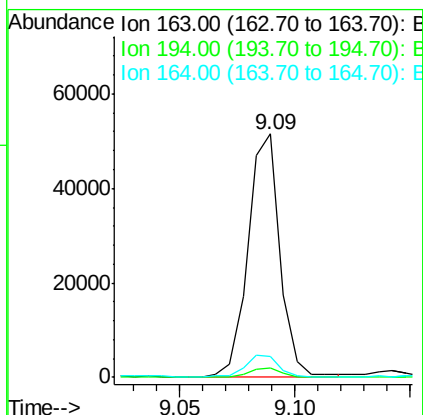
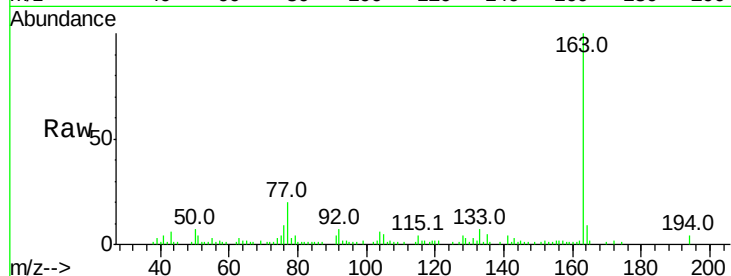




#49
Dimethylphthalate
Concen: 3.14 ng
RT: 9.09 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF094729.D
Acq: 30 Apr 2017 21:52

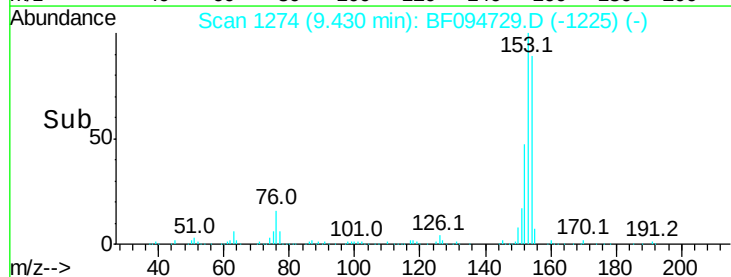
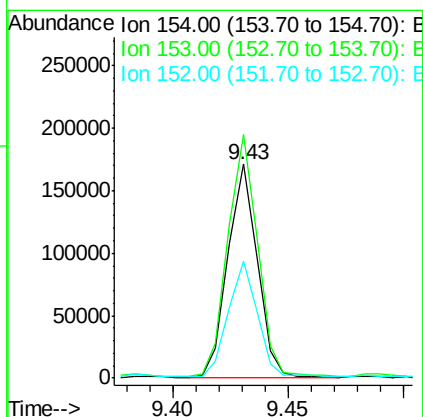
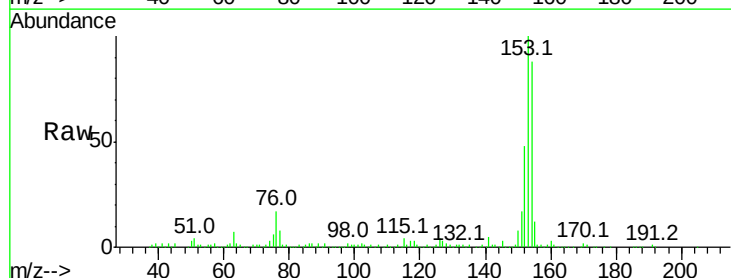
Instrument :
BNA_F
ClientSampleId :

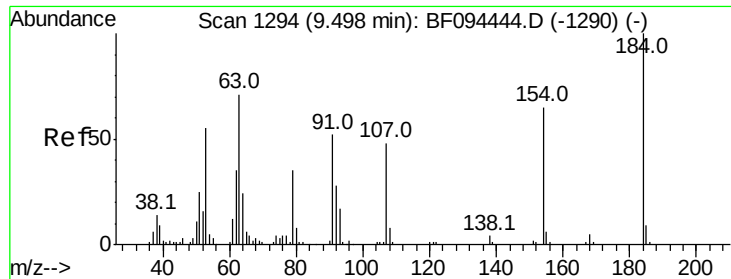
Tot Ion:163 Resp: 49969
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 8.7 8.4 12.6



#51
Acenaphthene
Concen: 11.83 ng
RT: 9.43 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF094729.D
Acq: 30 Apr 2017 21:52

Tgt Ion:154 Resp: 153219
Ion Ratio Lower Upper
154 100
153 113.8 90.5 135.7
152 54.6 43.6 65.4

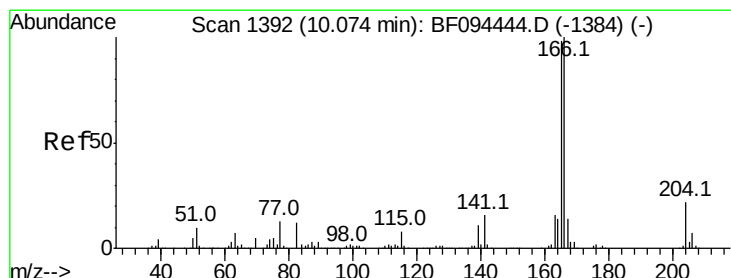
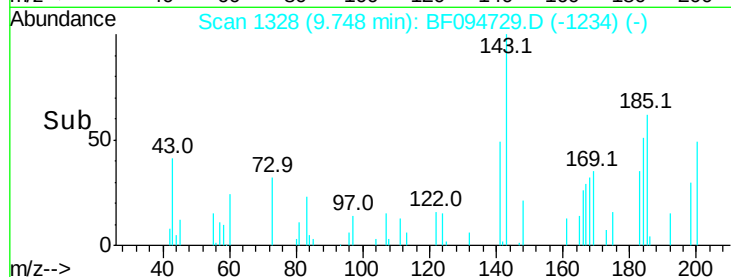
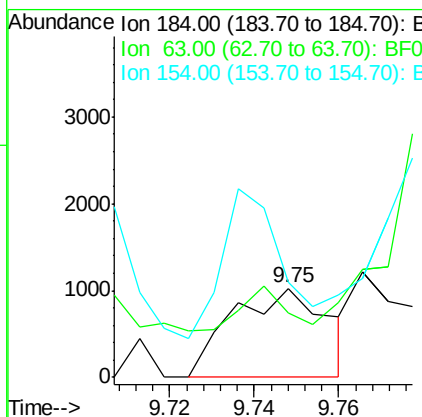
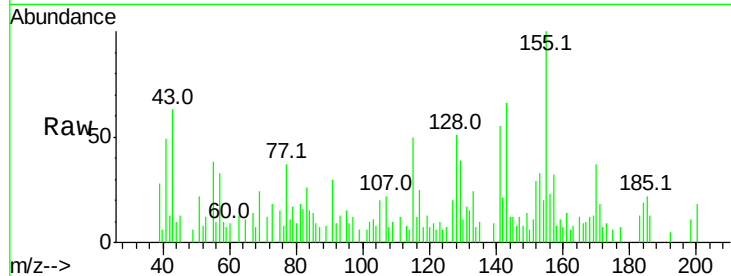




#53
2,4-Dinitrophenol
Concen: 6.53 ng
RT: 9.75 min Scan# 1328
Delta R.T. 0.25 min
Lab File: BF094729.D
Acq: 30 Apr 2017 21:52

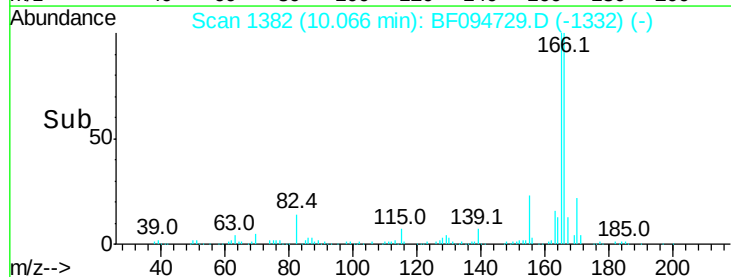
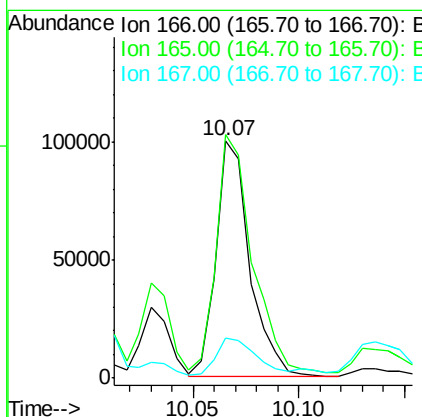
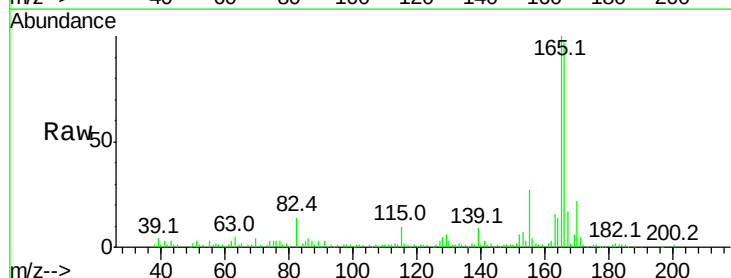
Instrument :
BNA_F
ClientSampled :

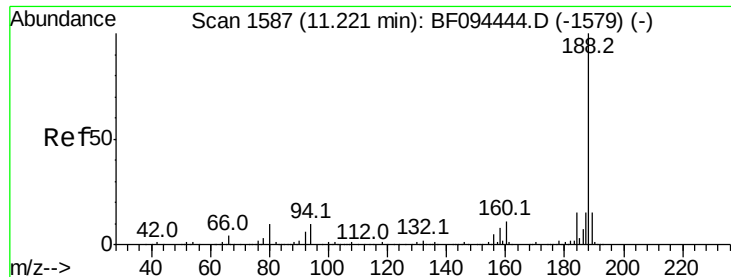
Tot Ion:184 Resp: 1607
Ion Ratio Lower Upper
184 100
63 72.1 62.7 94.1
154 106.4 81.1 121.7



#57
Fluorene
Concen: 7.50 ng
RT: 10.07 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF094729.D
Acq: 30 Apr 2017 21:52

Tgt Ion:166 Resp: 109920
Ion Ratio Lower Upper
166 100
165 102.6 78.8 118.2
167 17.0 10.6 16.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

Instrument :

BNA_F

ClientSampleId :

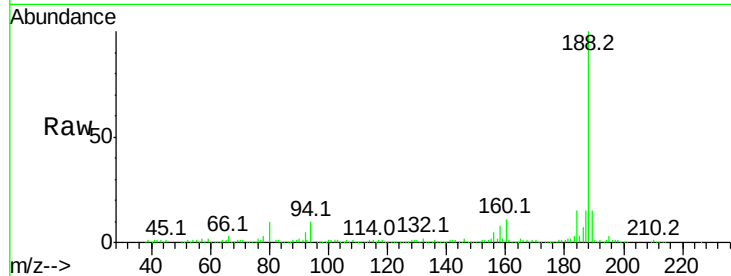
Tot Ion:188 Resp: 356062

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

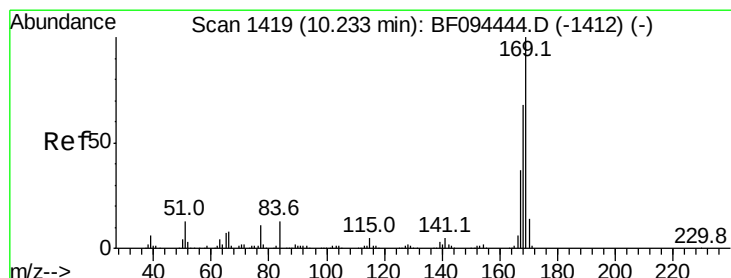
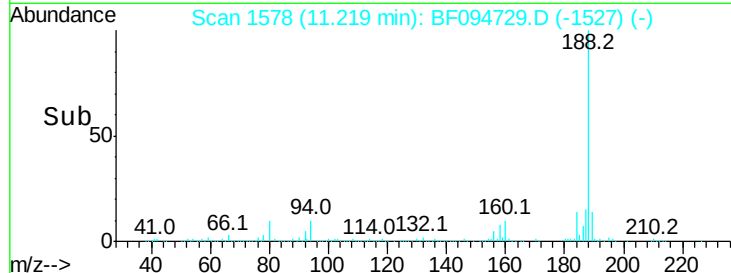
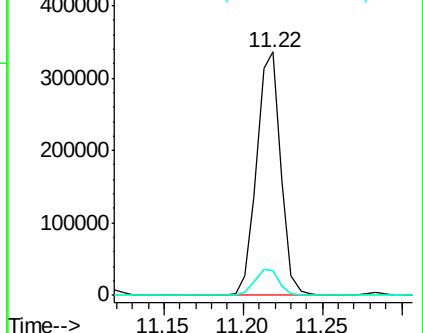
80 10.1 10.2 15.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#65

n-Nitrosodiphenylamine

Concen: 3.11 ng

RT: 10.13 min Scan# 1393

Delta R.T. -0.10 min

Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

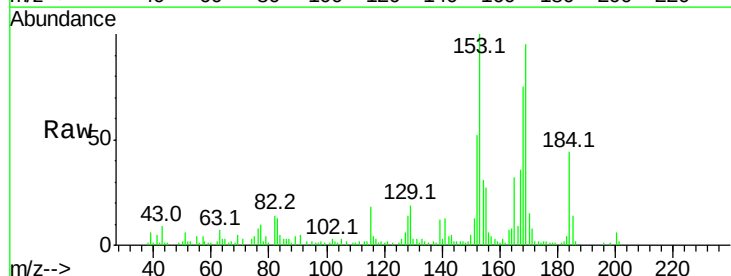
Tgt Ion:169 Resp: 38544

Ion Ratio Lower Upper

169 100

168 78.3 53.2 79.8

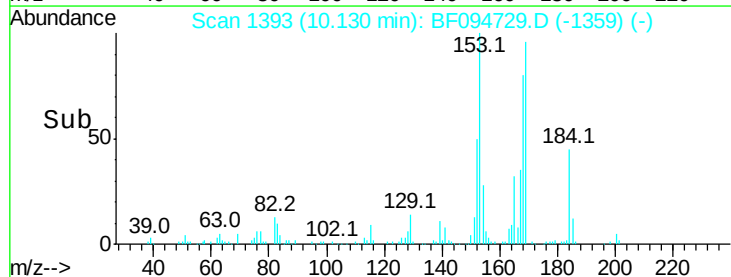
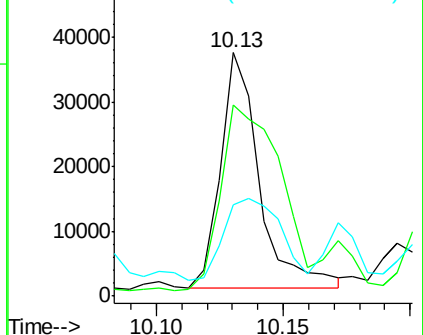
167 37.7 29.5 44.3

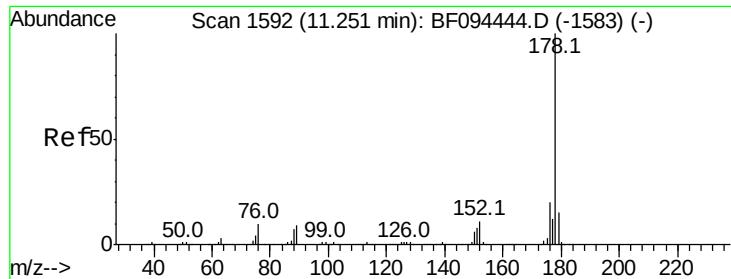


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 32.33 ng

RT: 11.25 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

Instrument :

BNA_F

ClientSampleId :

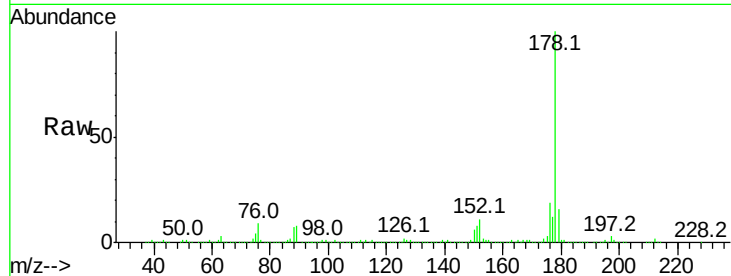
Tot Ion:178 Resp: 648153

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.4

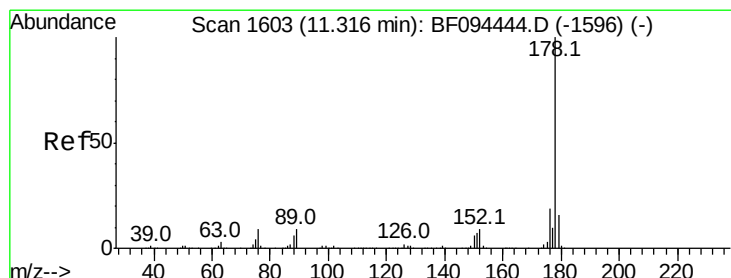
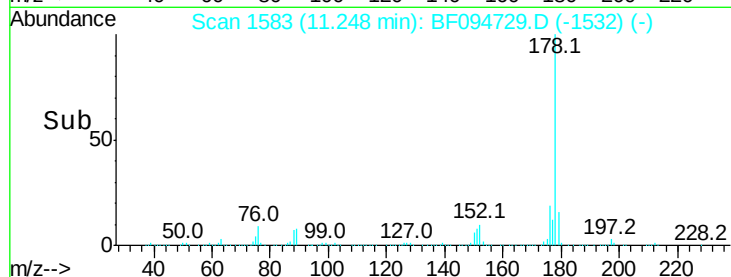
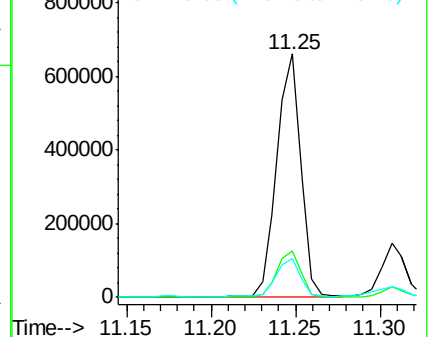
179 16.0 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 31.25 ng

RT: 11.25 min Scan# 1583

Delta R.T. -0.07 min

Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

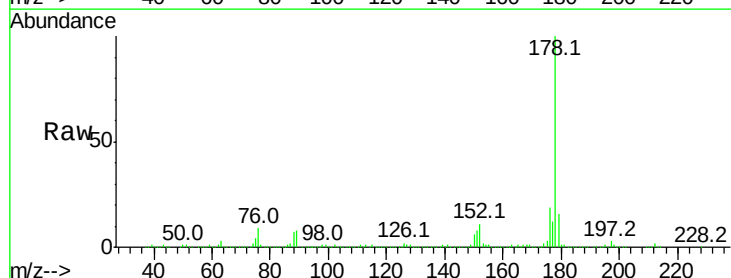
Tgt Ion:178 Resp: 648153

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

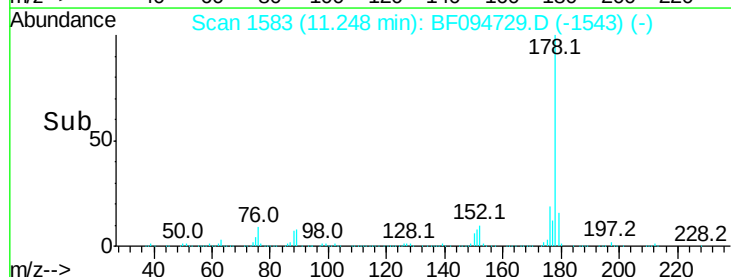
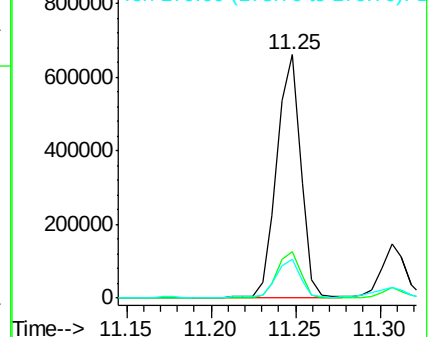
179 16.0 12.7 19.1

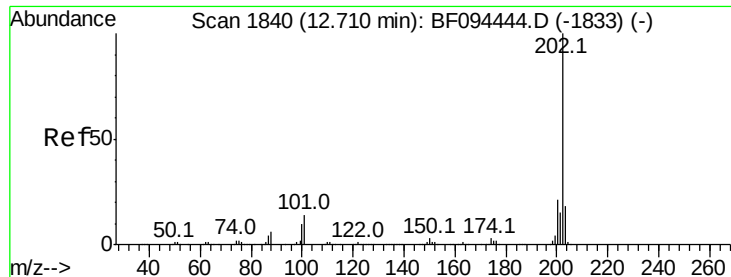


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.73 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

Instrument :

BNA_F

ClientSampleId :

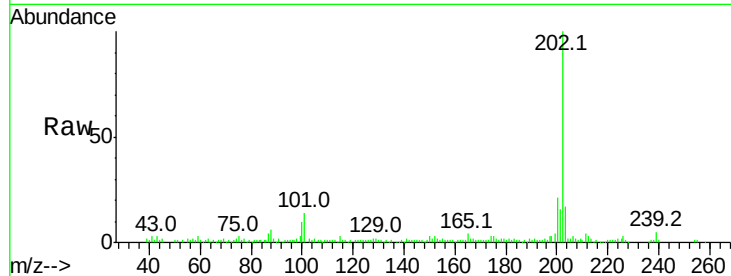
Tot Ion:202 Resp: 98223

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.2

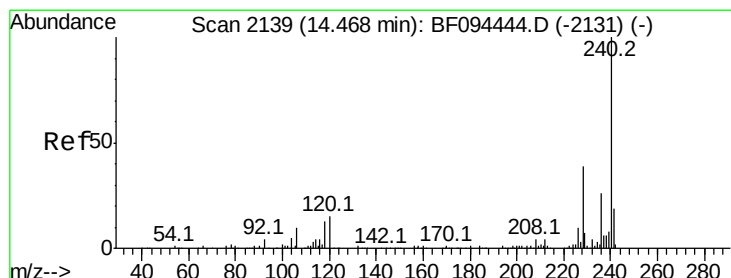
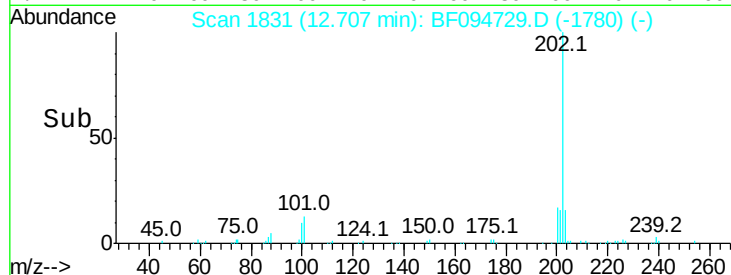
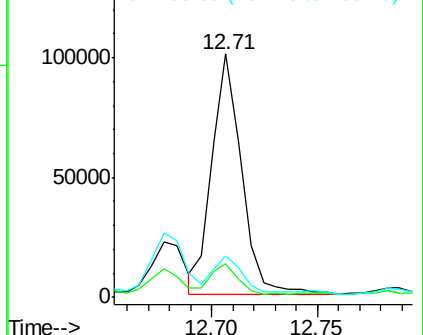
203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

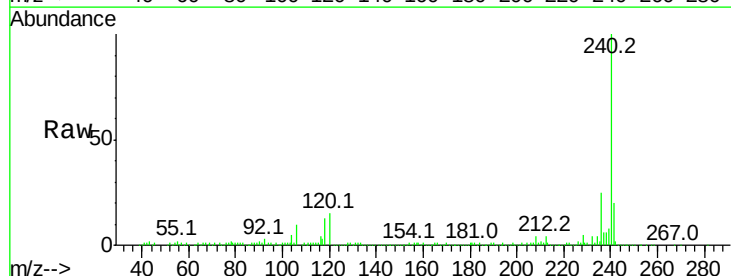
Tgt Ion:240 Resp: 234241

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

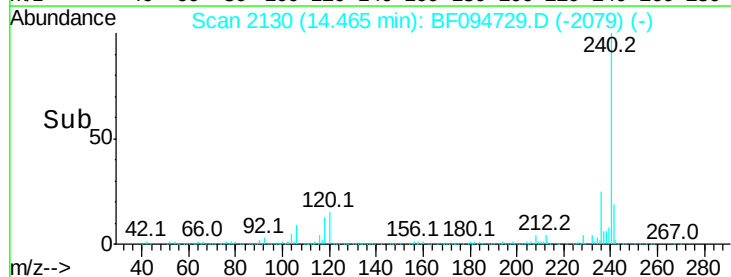
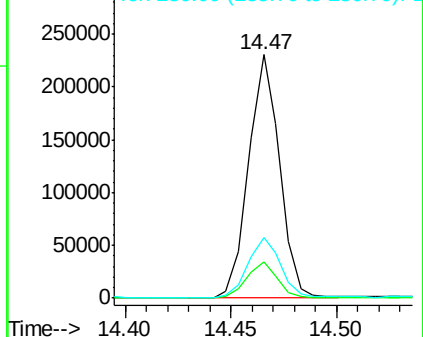
236 24.8 20.5 30.7

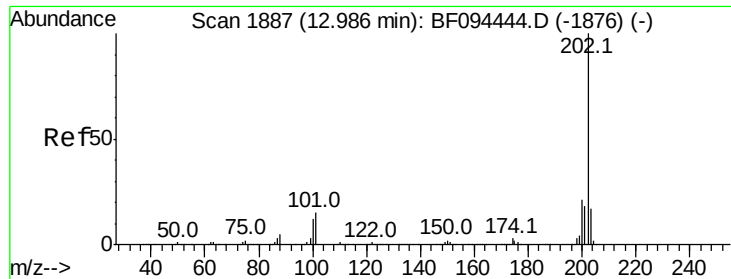


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.85 ng

RT: 12.98 min Scan# 1878

Delta R.T. -0.00 min

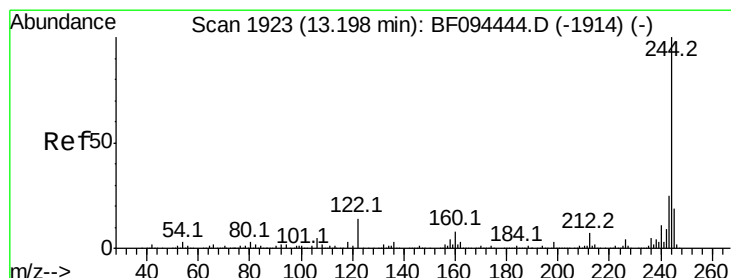
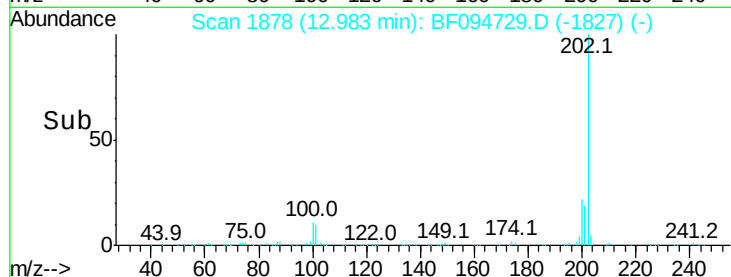
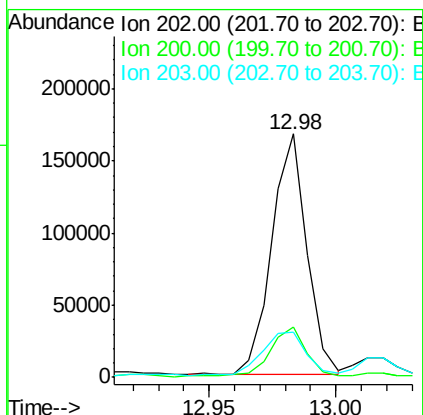
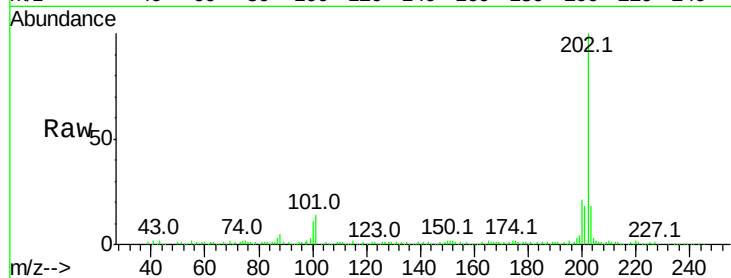
Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 161240

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	18.3	14.4	21.6



#78

Terphenyl-d14

Concen: 102.68 ng

RT: 13.19 min Scan# 1914

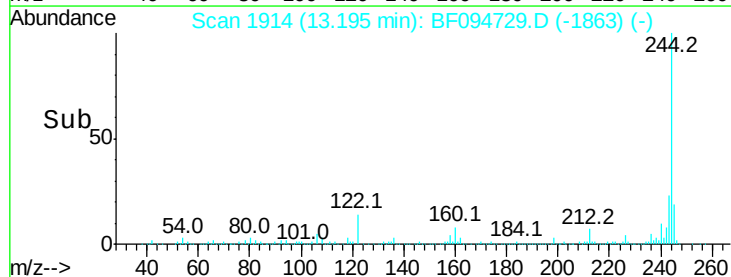
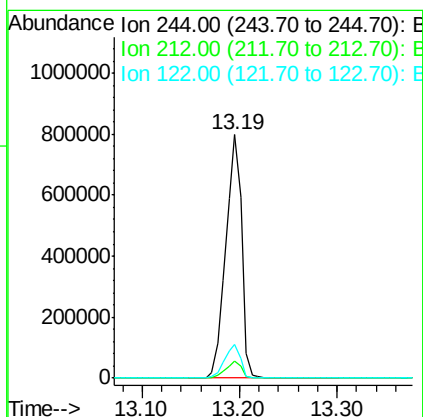
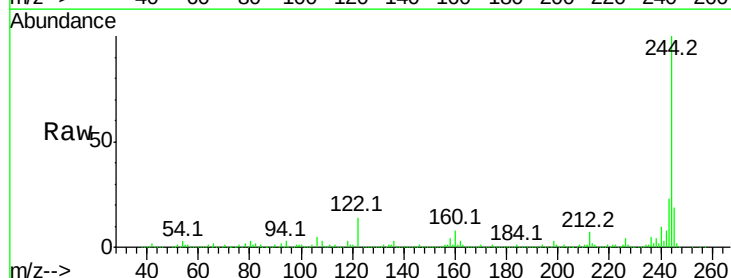
Delta R.T. -0.00 min

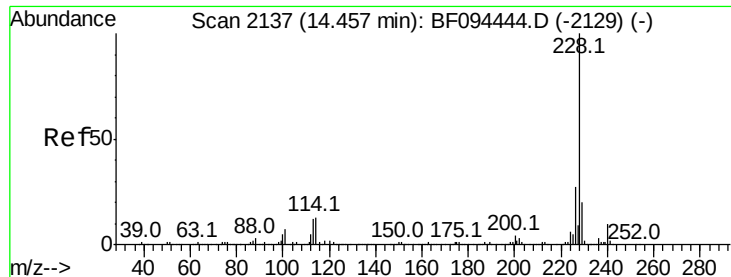
Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

Tgt Ion:244 Resp: 899796

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.7	10.3	15.5





#80

Benzo(a)anthracene

Concen: 2.55 ng

RT: 14.49 min Scan# 2135

Delta R.T. 0.04 min

Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

Instrument :

BNA_F

ClientSampleId :

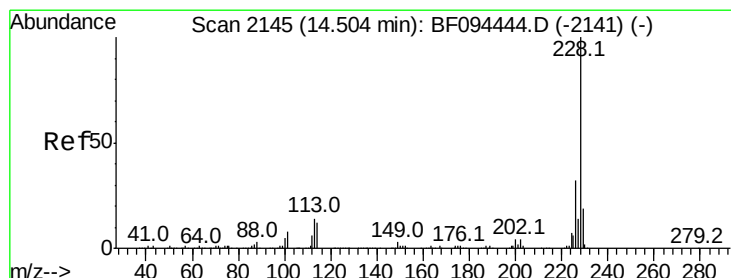
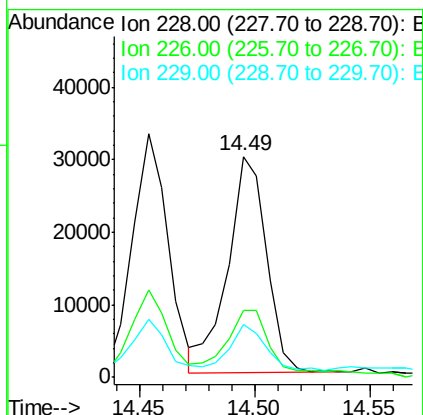
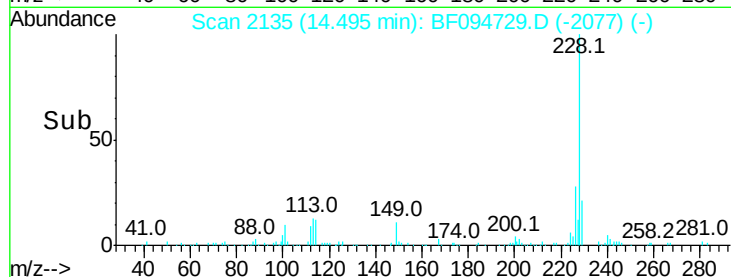
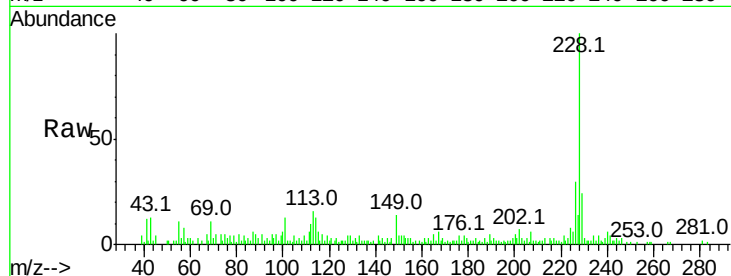
Tot Ion:228 Resp: 34689

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

229 23.7 16.3 24.5



#82

Chrysene

Concen: 2.79 ng

RT: 14.49 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF094729.D

Acq: 30 Apr 2017 21:52

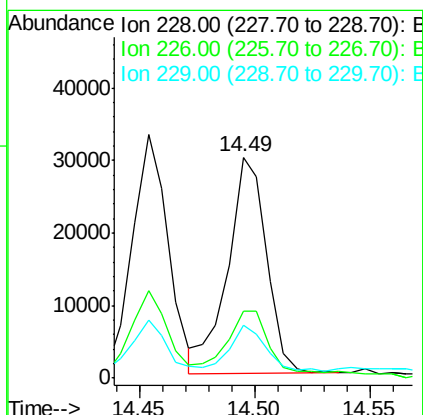
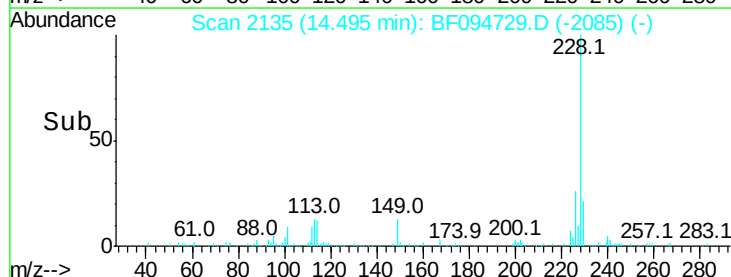
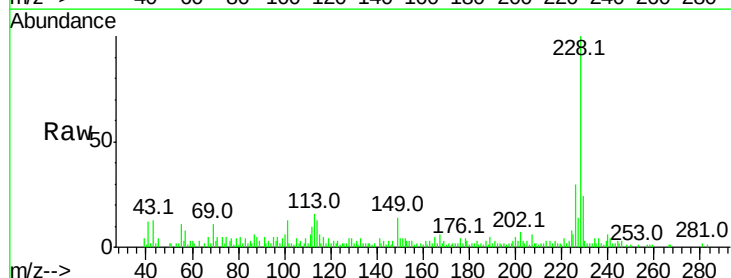
Tgt Ion:228 Resp: 34689

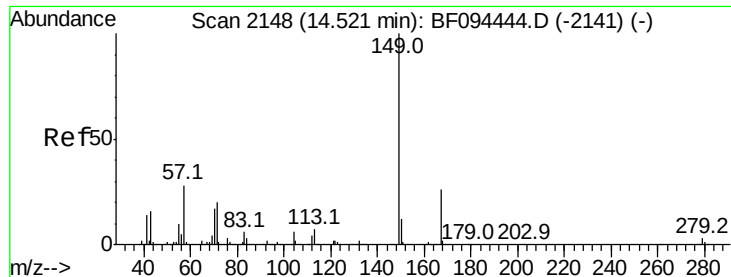
Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

229 23.7 15.8 23.6#

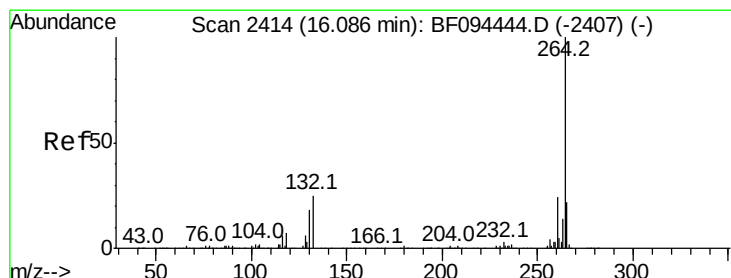
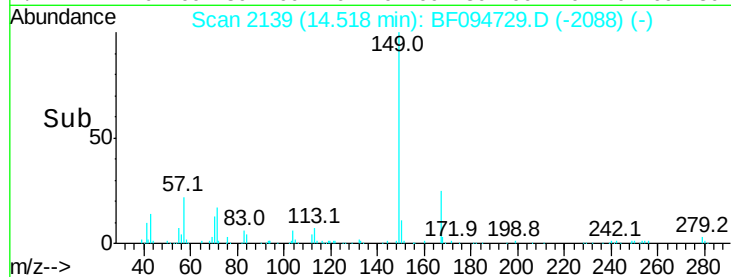
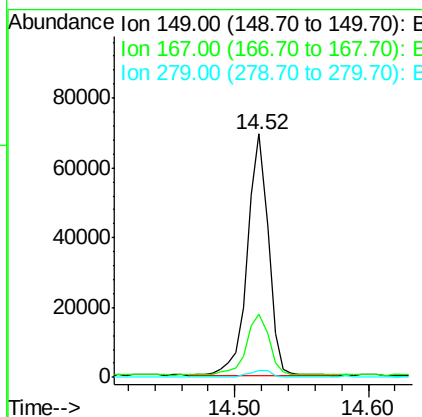
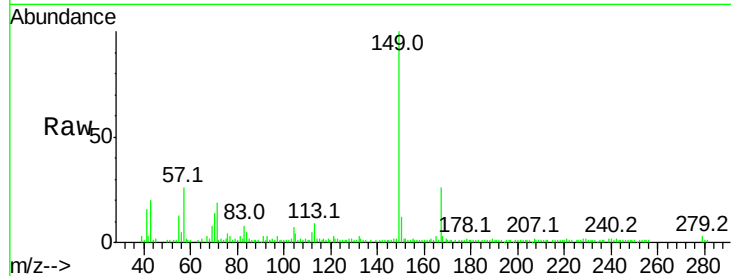




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.76 ng
 RT: 14.52 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: BF094729.D
 Acq: 30 Apr 2017 21:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.9	21.0	31.4
279	3.0	1.9	2.9#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.09 min Scan# 2407
 Delta R.T. 0.01 min
 Lab File: BF094729.D
 Acq: 30 Apr 2017 21:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.0	17.2	25.8

