

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094465.D
 Acq On : 17 Apr 2017 22:31
 Operator : SJ/MA
 Sample : I2708-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 01:02:35 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	142999	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	590475	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	284016	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	492010	20.00	ng	0.00
75) Chrysene-d12	14.46	240	382874	20.00	ng	-0.01
86) Perylene-d12	16.08	264	258781	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.29	112	214287	24.86	ng	-0.01
7) Phenol-d6	5.37	99	276930	27.25	ng	-0.02
23) Nitrobenzene-d5	6.40	82	166757	17.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.36	330	46597	20.98	ng	-0.01
44) 2-Fluorobiphenyl	8.58	172	318394	16.49	ng	0.00
78) Terphenyl-d14	13.19	244	252234	17.61	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	2.33	42	447	0.10	ng	# 1
6) Aniline	5.39	93	141	0.01	ng	# 1
9) Benzaldehyde	5.26	77	160	0.02	ng	# 39
10) Phenol	5.39	94	7300	0.58	ng	# 77
11) bis(2-Chloroethyl)ether	5.50	93	138	0.02	ng	# 1
15) Benzyl Alcohol	5.93	79	2733	0.36	ng	# 56
17) 2-Methylphenol	6.28	107	109	0.01	ng	# 10
19) n-Nitroso-di-n-propylamine	6.40	70	21622	3.21	ng	# 75
20) 3+4-Methylphenols	6.28	107	109	0.01	ng	# 5
22) Acetophenone	6.22	105	1424	0.10	ng	# 79
24) Nitrobenzene	6.40	77	620	0.06	ng	# 39
25) Isophorone	6.69	82	141	0.01	ng	# 67
28) bis(2-Chloroethoxy)methane	7.26	93	111	0.01	ng	# 1
31) Naphthalene	7.28	128	17633	0.62	ng	# 98
33) 4-Chloroaniline	7.28	127	2470	0.21	ng	# 27
35) Caprolactam	7.82	113	252	0.10	ng	# 63
37) 2-Methylnaphthalene	8.12	142	10613	0.55	ng	# 97
45) 1,1'-Biphenyl	8.70	154	1941	0.08	ng	# 90
47) 2-Nitroaniline	8.57	65	247	0.05	ng	# 1
48) Acenaphthylene	9.22	152	2505	0.09	ng	# 92
49) Dimethylphthalate	9.08	163	25143	1.19	ng	# 99
50) 2,6-Dinitrotoluene	9.39	165	36348	7.65	ng	# 33
51) Acenaphthene	9.43	154	358	0.02	ng	# 59
54) Dibenzofuran	9.65	168	6245	0.25	ng	# 96
55) 4-Nitrophenol	9.65	139	2411	0.62	ng	# 25
56) 2,4-Dinitrotoluene	9.39	165	36347	6.24	ng	# 33
57) Fluorene	10.07	166	479	0.02	ng	# 70
59) Diethylphthalate	9.95	149	552	0.03	ng	# 60
62) Azobenzene	10.28	77	484	0.02	ng	# 1
65) n-Nitrosodiphenylamine	10.22	169	879	0.05	ng	# 67
70) Phenanthrene	11.24	178	17181	0.62	ng	# 98
71) Anthracene	11.30	178	3186	0.11	ng	# 97
72) Carbazole	11.51	167	2661	0.10	ng	# 92
73) Di-n-butylphthalate	11.97	149	1795	0.06	ng	# 78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

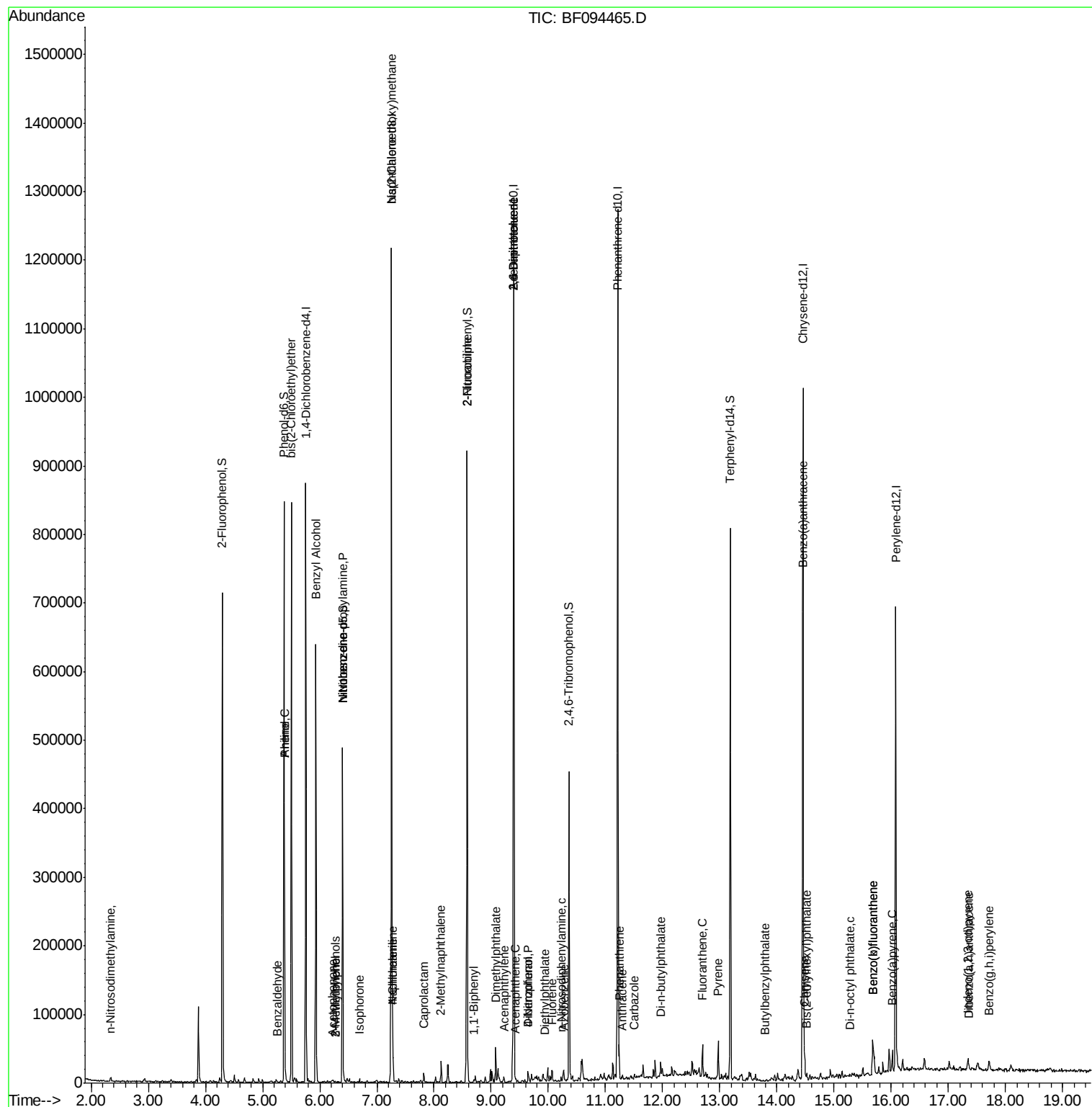
74) Fluoranthene	12.70	202	22152	0.77	ng	98
77) Pyrene	12.97	202	22662	0.85	ng	98
79) Butylbenzylphthalate	13.80	149	121	0.01	ng	# 32
80) Benzo(a)anthracene	14.44	228	16149	0.73	ng	96
82) Chrysene	14.49	228	16754	0.82	ng	94
83) Bis(2-ethylhexyl)phthalate	14.52	149	2308	0.15	ng	# 94
84) Di-n-octyl phthalate	15.27	149	734	0.03	ng	# 65
85) Indeno(1,2,3-cd)pyrene	17.34	276	10034	0.52	ng	97
87) Benzo(b)fluoranthene	15.68	252	33141	2.09	ng	# 95
88) Benzo(k)fluoranthene	15.68	252	33141	2.21	ng	98
89) Benzo(a)pyrene	16.02	252	13726	0.93	ng	# 90
90) Dibenzo(a,h)anthracene	17.36	278	2657	0.22	ng	# 83
91) Benzo(a,h,i)perylene	17.71	276	9679	0.78	ng	98

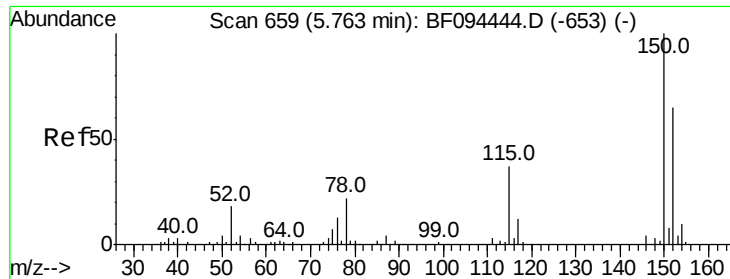
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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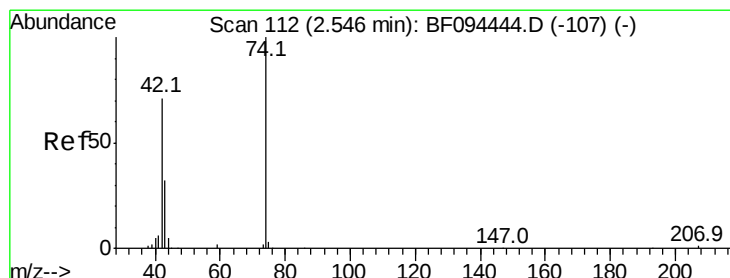
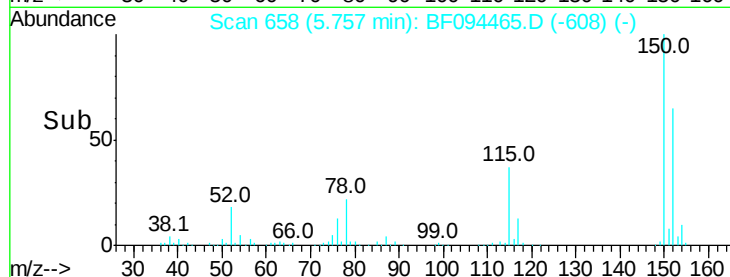
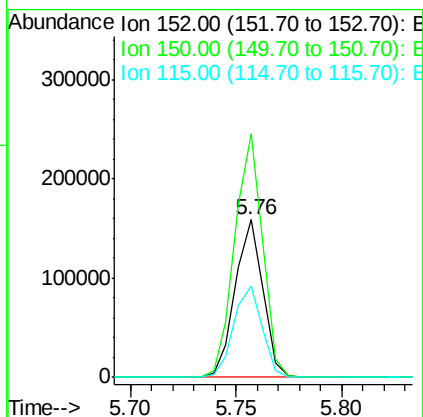
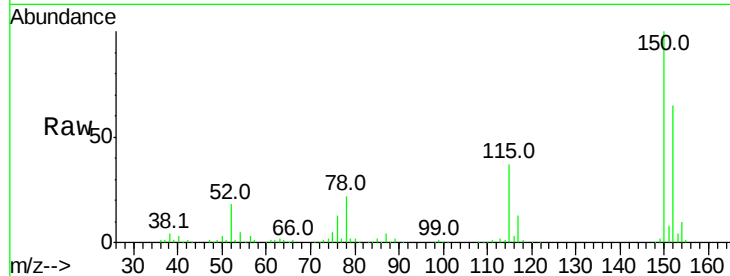


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Instrument :
BNA_F
ClientSampleId :

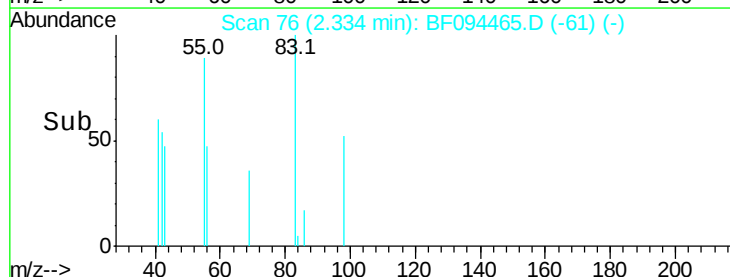
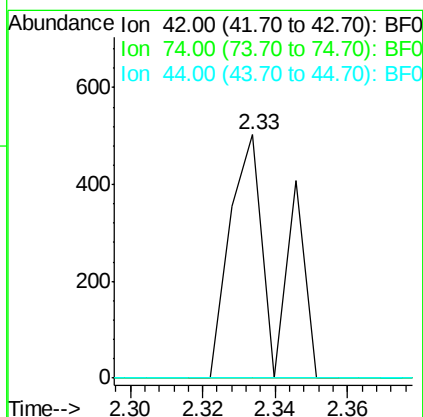
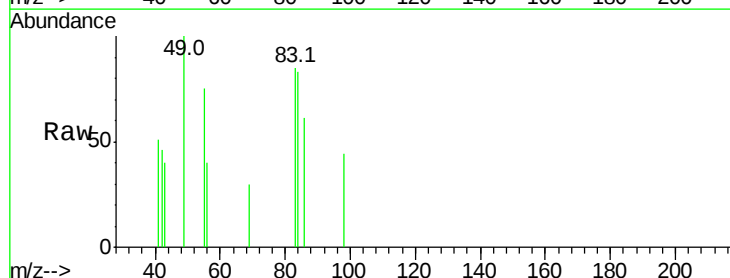
Tot Ion:152 Resp: 142999
Ion Ratio Lower Upper
152 100
150 154.9 126.2 189.2
115 57.8 52.2 78.2

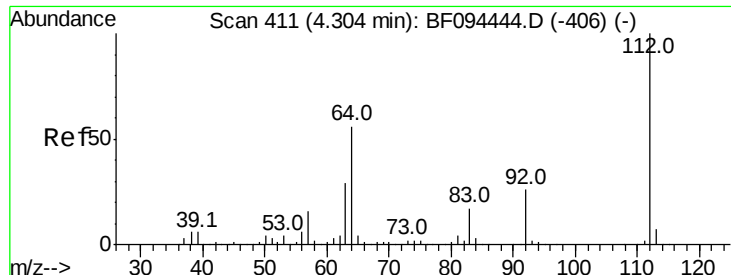


#4

n-Nitrosodimethylamine
Concen: 0.10 ng
RT: 2.33 min Scan# 76
Delta R.T. -0.21 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Tgt Ion: 42 Resp: 447
Ion Ratio Lower Upper
42 100
74 0.0 103.9 155.9#
44 0.0 5.7 8.5#





#5

2-Fluorophenol

Concen: 24.86 ng

RT: 4.29 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampleId :

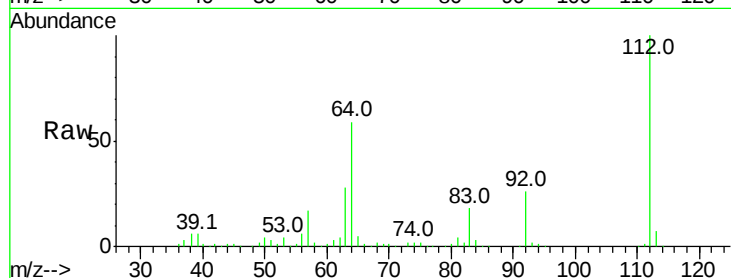
Tot Ion:112 Resp: 214287

Ion Ratio Lower Upper

112 100

64 58.5 46.0 69.0

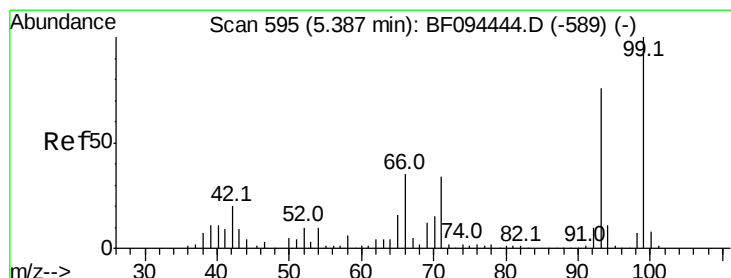
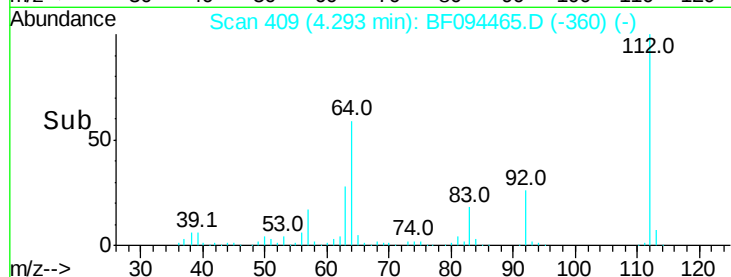
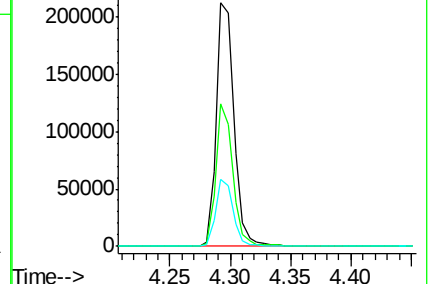
63 27.5 23.4 35.0



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



#6

Aniline

Concen: 0.01 ng

RT: 5.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

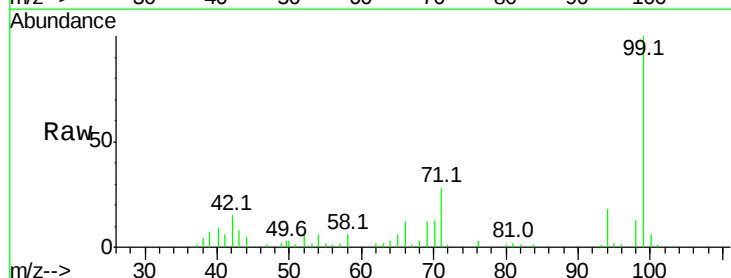
Tgt Ion: 93 Resp: 141

Ion Ratio Lower Upper

93 100

66 1067.3 32.9 49.3#

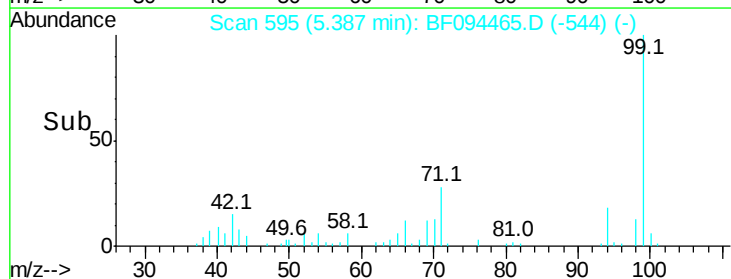
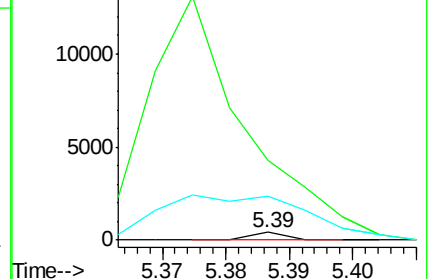
65 582.3 16.0 24.0#

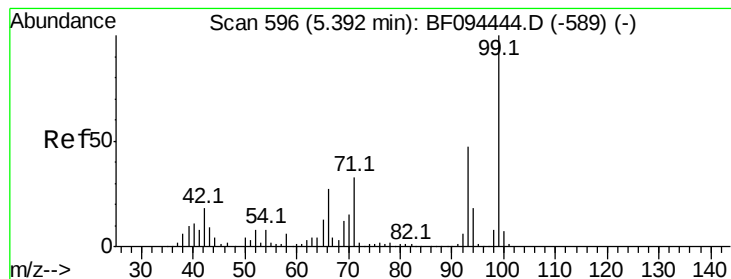


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 27.25 ng

RT: 5.37 min Scan# 593

Delta R.T. -0.02 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampleId :

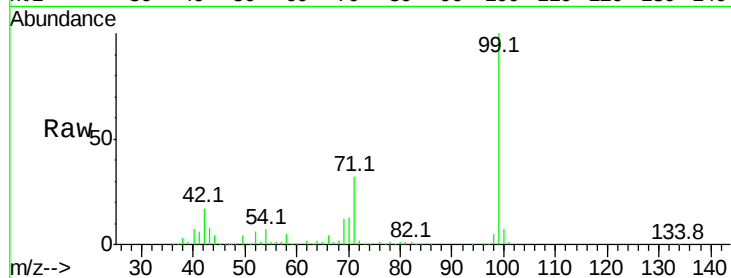
Tot Ion: 99 Resp: 276930

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

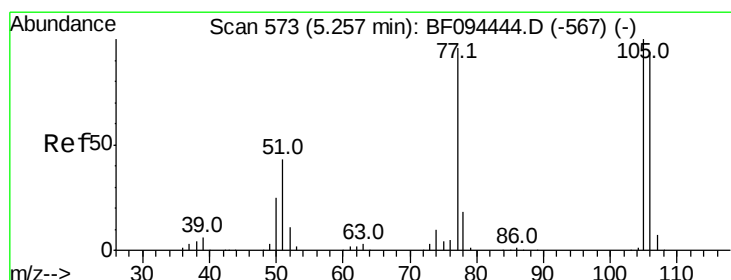
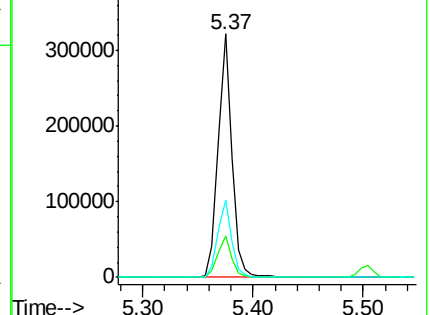
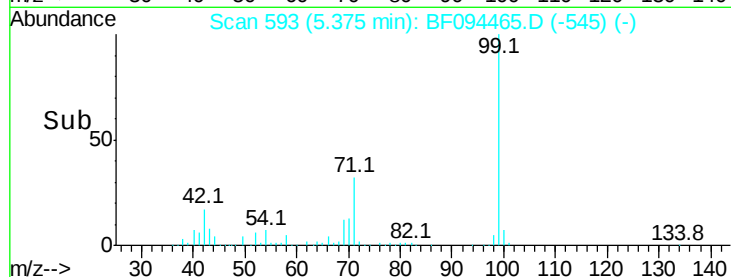
71 31.9 24.5 36.7



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



#9

Benzaldehyde

Concen: 0.02 ng

RT: 5.26 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

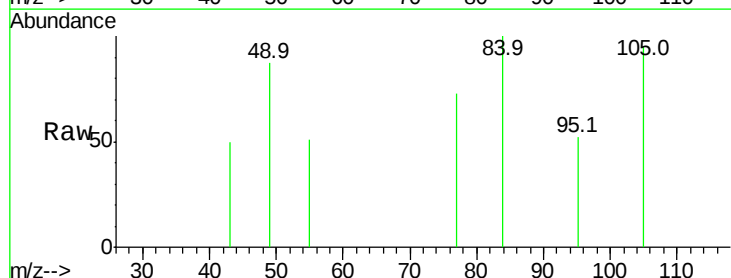
Tgt Ion: 77 Resp: 160

Ion Ratio Lower Upper

77 100

105 129.1 83.8 123.8#

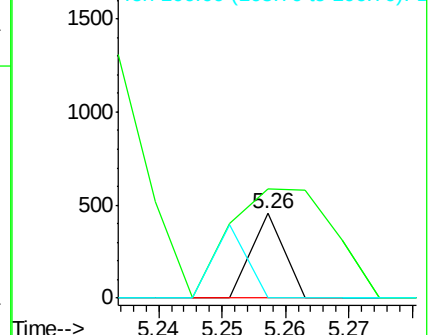
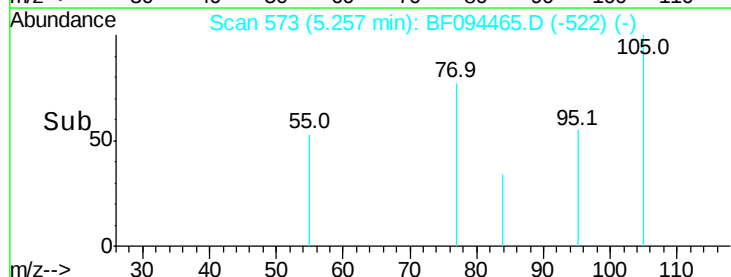
106 0.0 79.1 119.1#

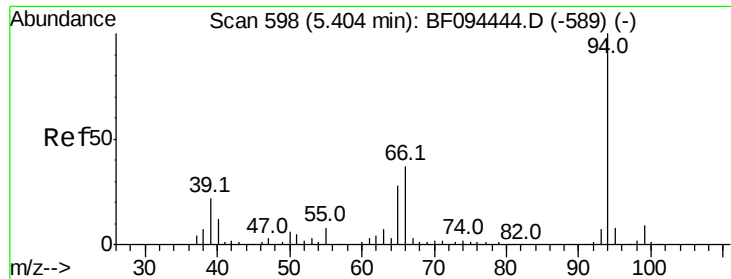


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.58 ng

RT: 5.39 min Scan# 595

Delta R.T. -0.02 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampled :

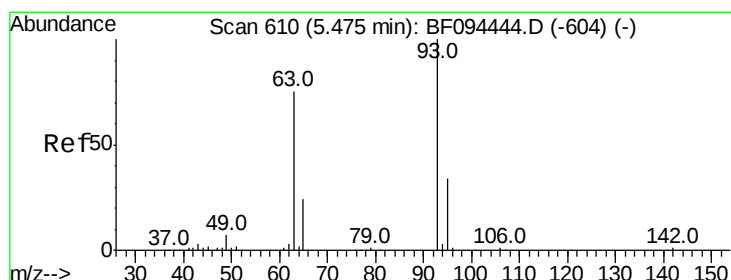
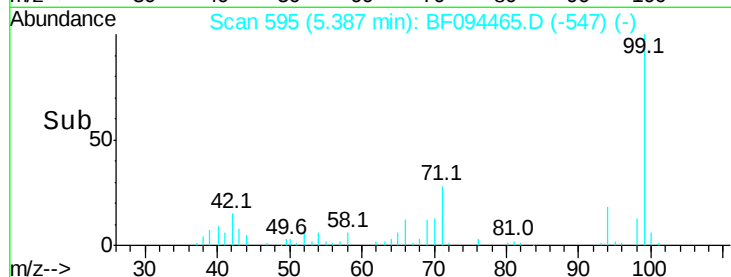
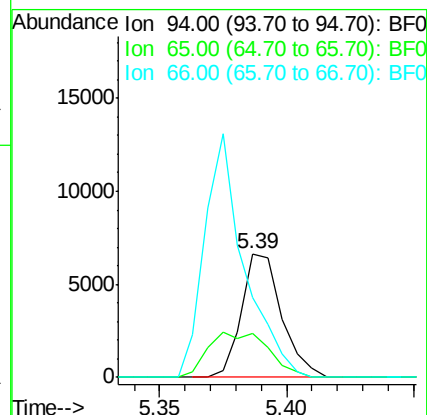
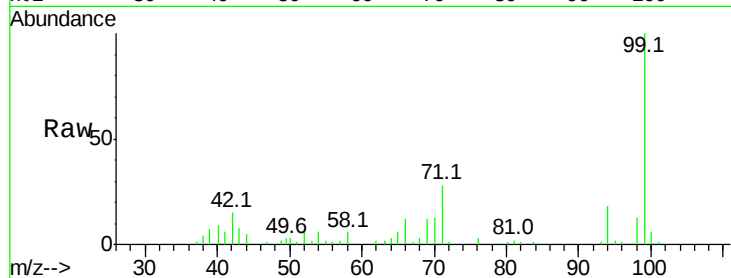
Tot Ion: 94 Resp: 7300

Ion Ratio Lower Upper

94 100

65 35.0 9.9 49.9

66 64.2 23.1 63.1#



#11

bis(2-Chloroethyl)ether

Concen: 0.02 ng

RT: 5.50 min Scan# 615

Delta R.T. 0.03 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

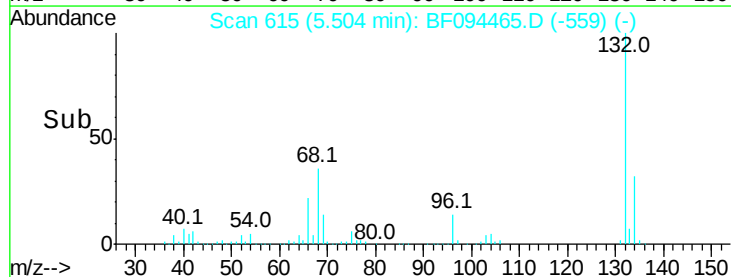
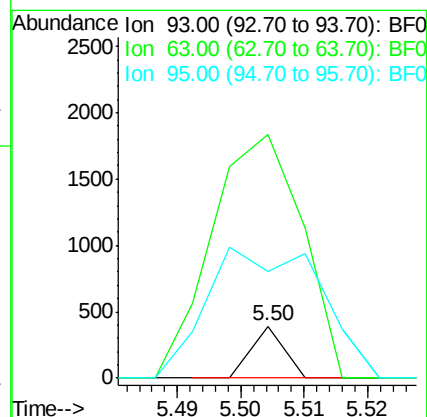
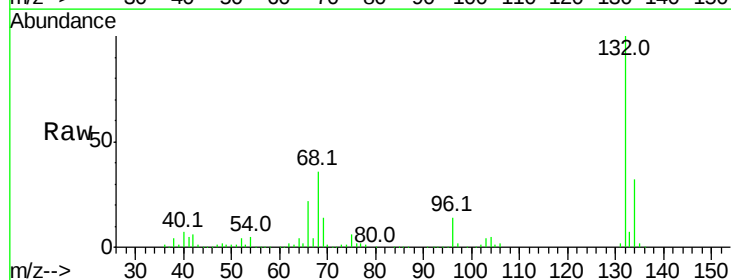
Tgt Ion: 93 Resp: 138

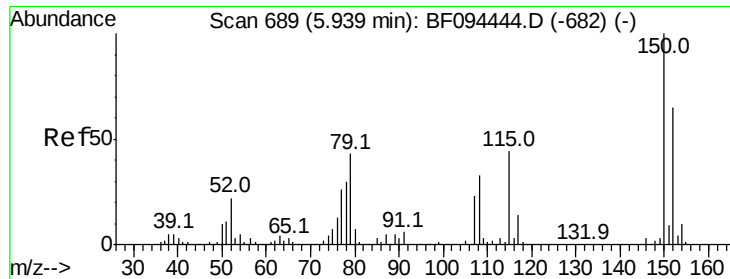
Ion Ratio Lower Upper

93 100

63 470.5 59.2 99.2#

95 206.4 12.8 52.8#

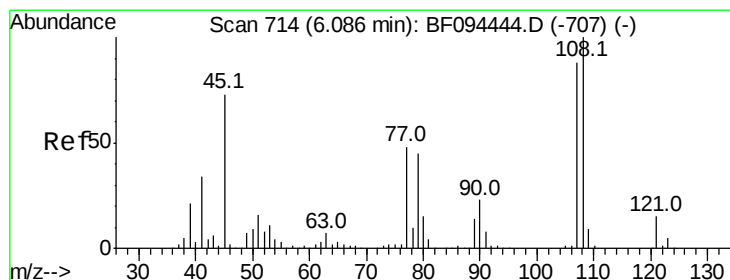
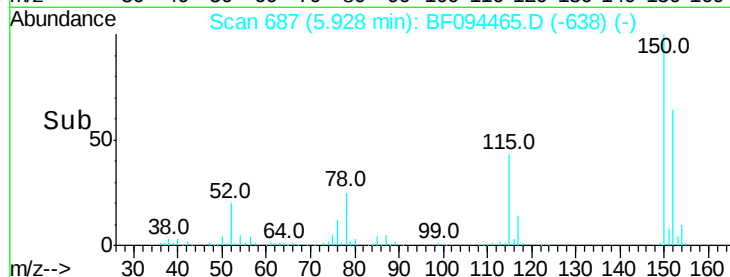
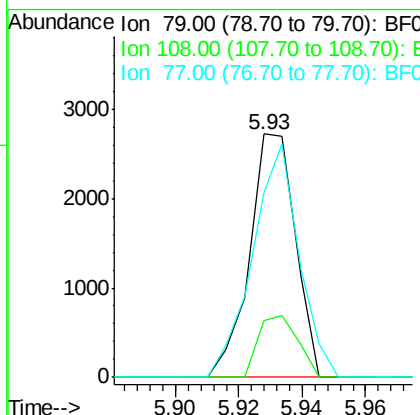
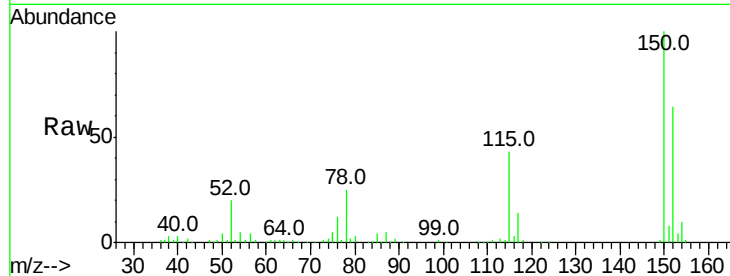




#15
Benzyl Alcohol
Concen: 0.36 ng
RT: 5.93 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

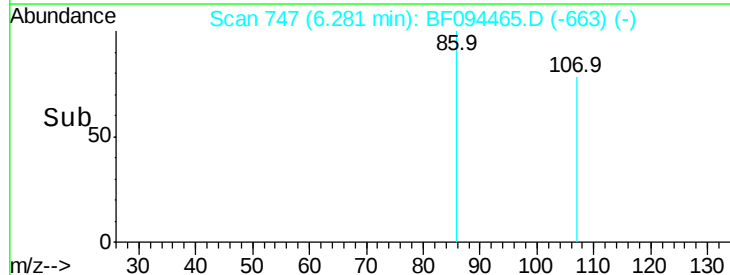
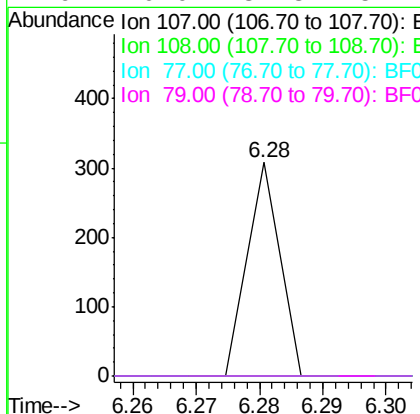
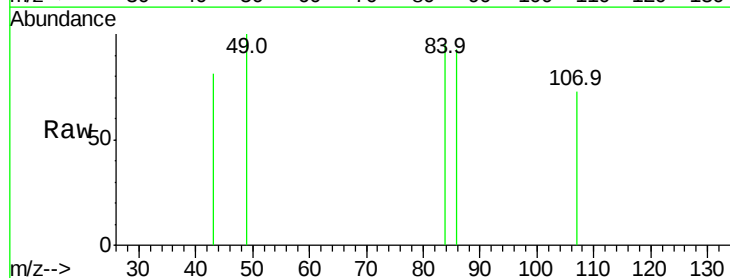
Instrument :
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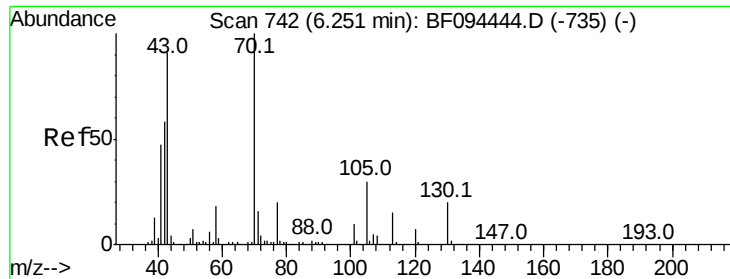
Tot Ion: 79 Resp: 2733
Ion Ratio Lower Upper
79 100
108 23.2 63.4 95.0#
77 76.1 49.2 73.8#



#17
2-Methylphenol
Concen: 0.01 ng
RT: 6.28 min Scan# 747
Delta R.T. 0.19 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Tgt Ion:107 Resp: 109
Ion Ratio Lower Upper
107 100
108 0.0 93.4 140.0#
77 0.0 35.8 53.6#
79 0.0 34.8 52.2#

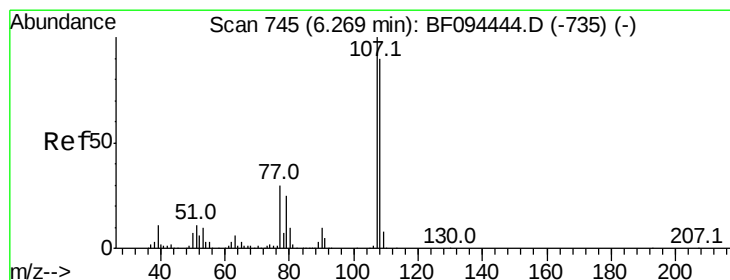
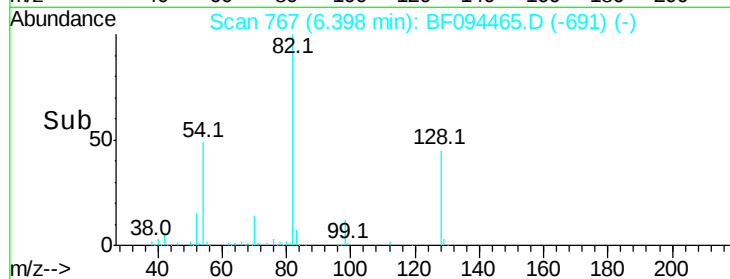
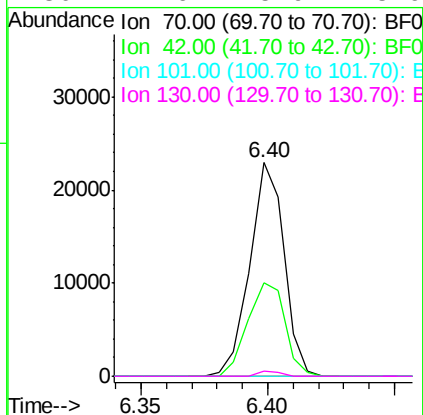
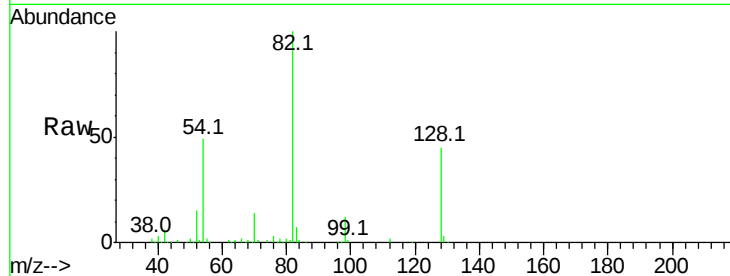




#19
n-Nitroso-di-n-propylamine
Concen: 3.21 ng
RT: 6.40 min Scan# 767
Delta R.T. 0.15 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

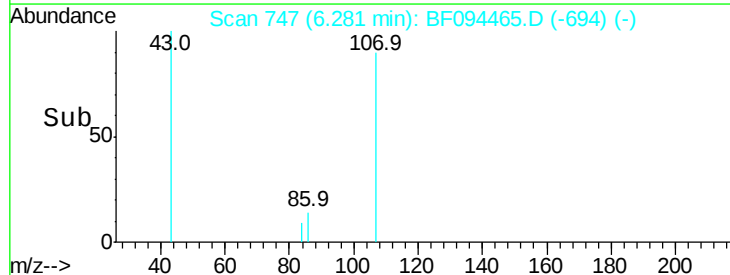
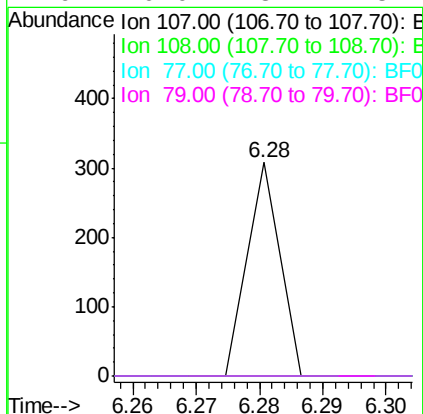
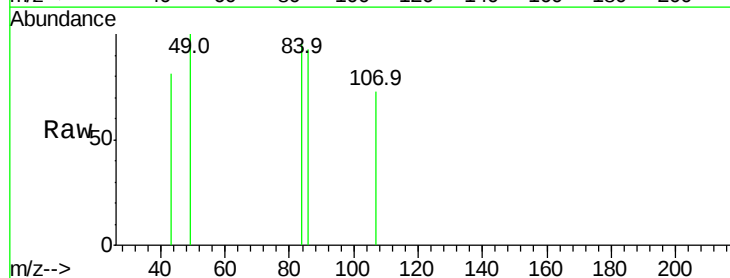
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ClientSampleId :

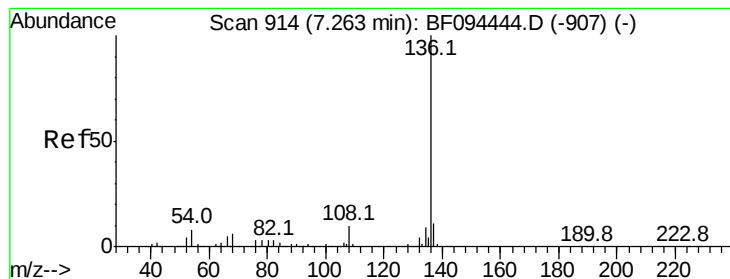
Tot Ion: 70 Resp: 21622
Ion Ratio Lower Upper
70 100
42 43.8 47.2 70.8#
101 0.0 7.2 10.8#
130 2.6 15.9 23.9#



#20
3+4-Methylphenols
Concen: 0.01 ng
RT: 6.28 min Scan# 747
Delta R.T. 0.01 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Tgt Ion:107 Resp: 109
Ion Ratio Lower Upper
107 100
108 0.0 71.0 111.0#
77 0.0 90.5 130.5#
79 0.0 8.4 48.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 590475

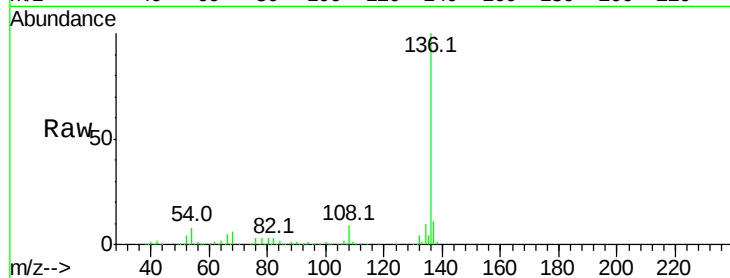
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.7 4.9 7.3#

68 5.8 4.1 6.1

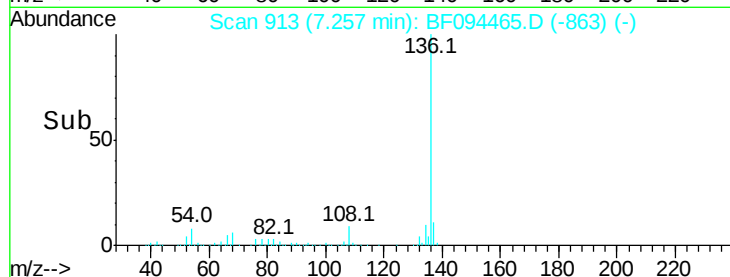


Abundance Ion 136.00 (135.70 to 136.70): E

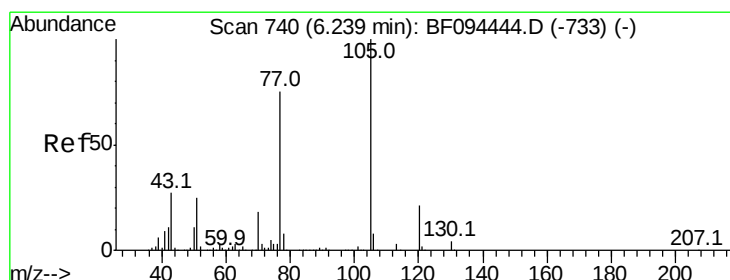
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 0.10 ng

RT: 6.22 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Tgt Ion:105 Resp: 1424

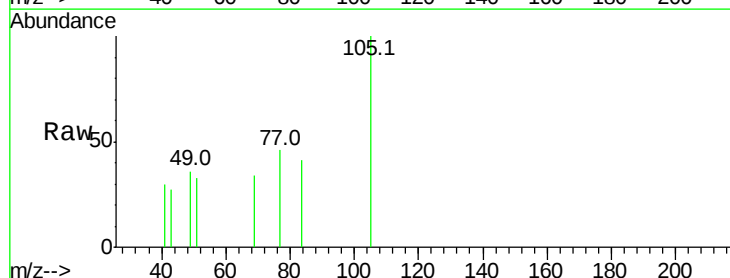
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 33.2 30.7 46.1

120 0.0 17.4 26.0#

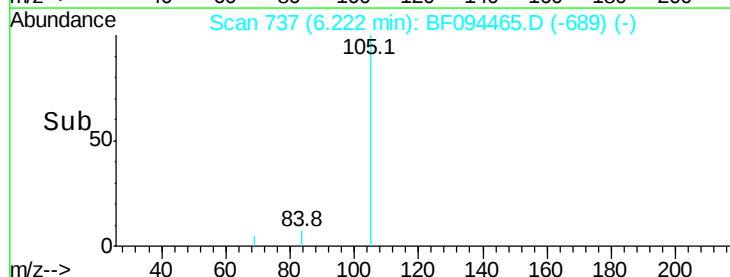


Abundance Ion 105.00 (104.70 to 105.70): E

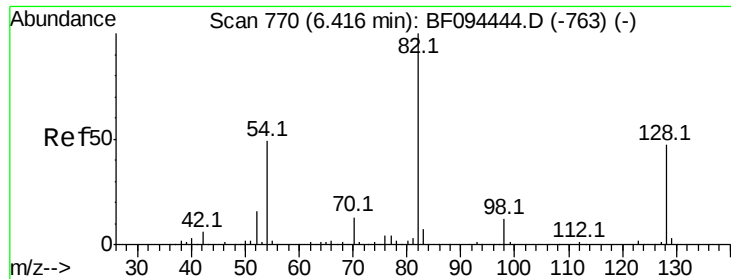
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



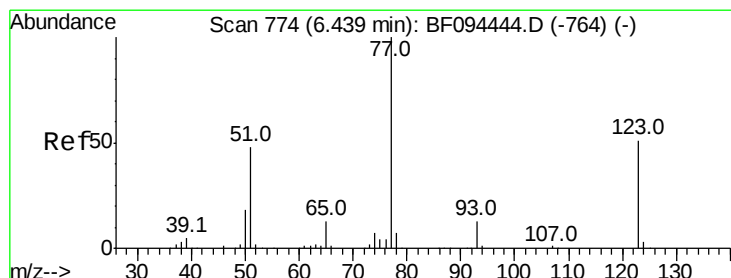
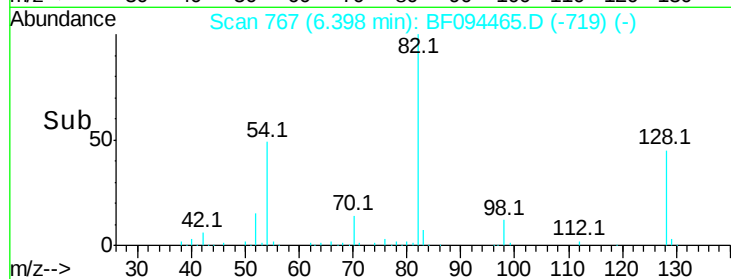
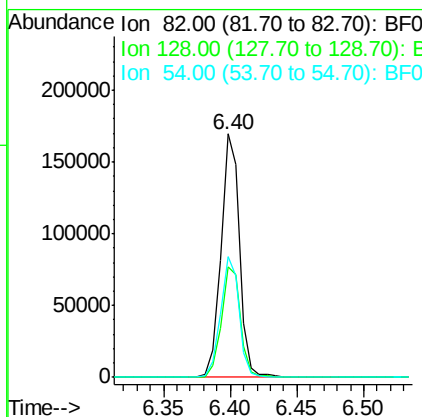
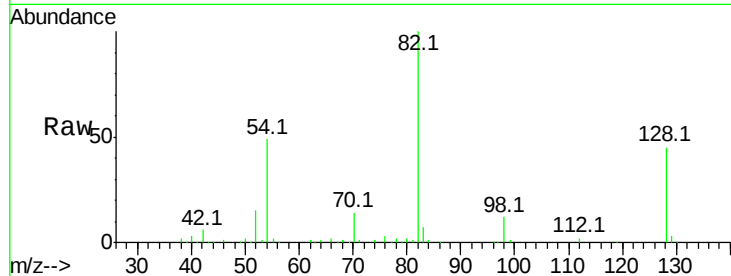
Time-->



#23
 Nitrobenzene-d5
 Concen: 17.44 ng
 RT: 6.40 min Scan# 767
 Delta R.T. -0.02 min
 Lab File: BF094465.D
 Acq: 17 Apr 2017 22:31

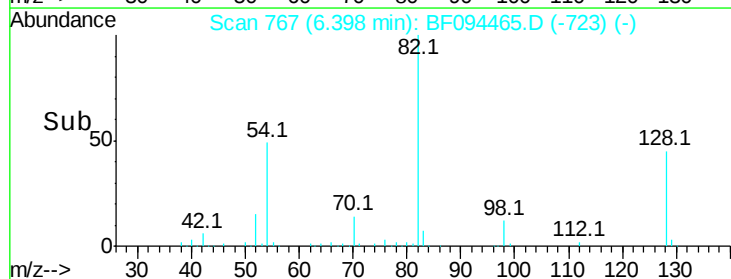
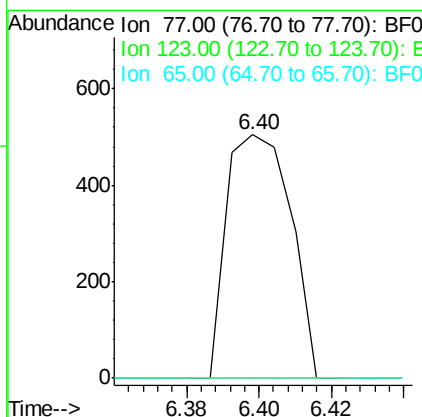
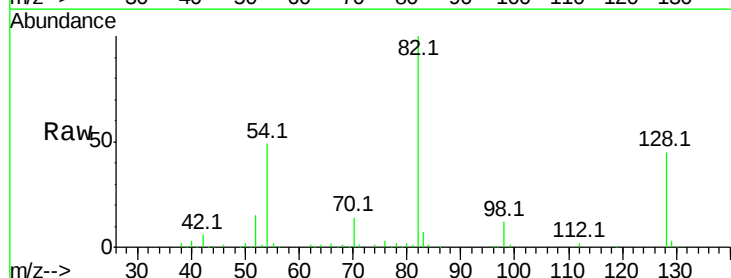
Instrument :
 BNA_F
 ClientSampleId :

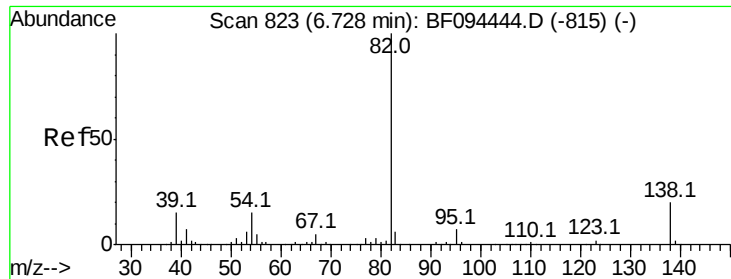
Tot Ion	82	Resp	166757
Ion Ratio	100	Lower	Upper
128	45.3	34.0	51.0
54	49.4	42.2	63.2



#24
 Nitrobenzene
 Concen: 0.06 ng
 RT: 6.40 min Scan# 767
 Delta R.T. -0.04 min
 Lab File: BF094465.D
 Acq: 17 Apr 2017 22:31

Tgt Ion	77	Resp	620
Ion Ratio	100	Lower	Upper
123	0.0	35.8	53.8#
65	0.0	10.6	15.8#





#25

Isophorone

Concen: 0.01 ng

RT: 6.69 min Scan# 817

Delta R.T. -0.04 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampled :

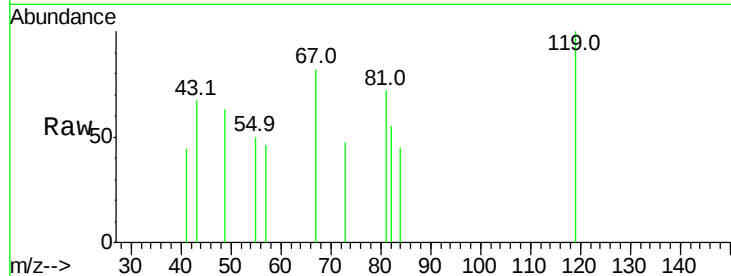
Tot Ion: 82 Resp: 141

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

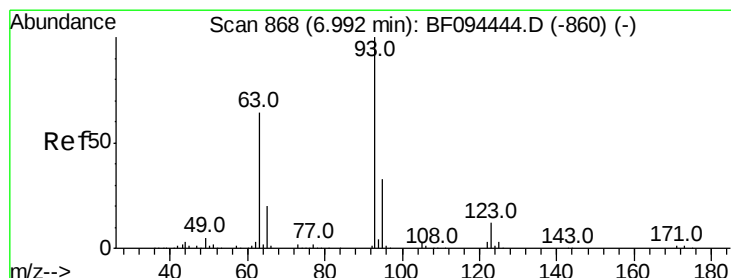
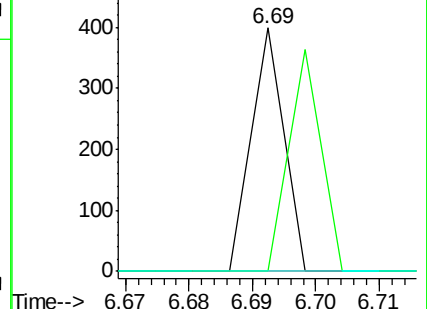
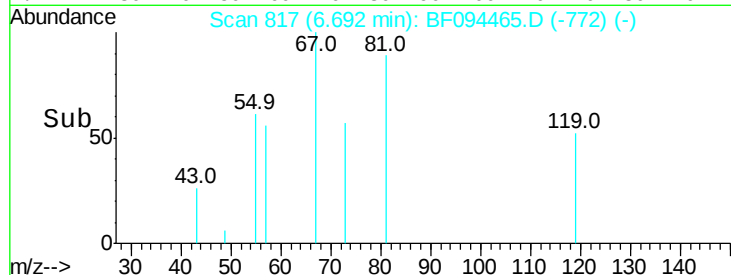
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#28

bis(2-Chloroethoxy)methane

Concen: 0.01 ng

RT: 7.26 min Scan# 913

Delta R.T. 0.26 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

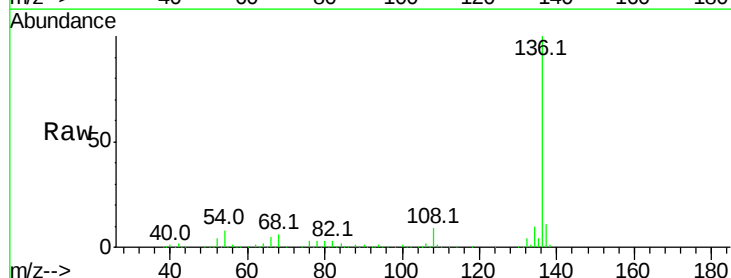
Tgt Ion: 93 Resp: 111

Ion Ratio Lower Upper

93 100

95 212.1 26.5 39.7#

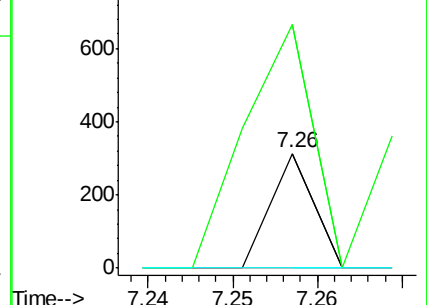
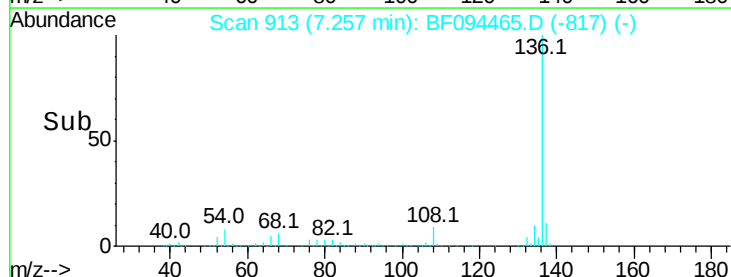
123 0.0 9.0 13.4#

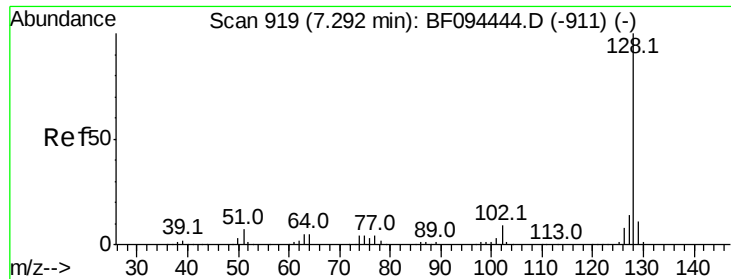


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

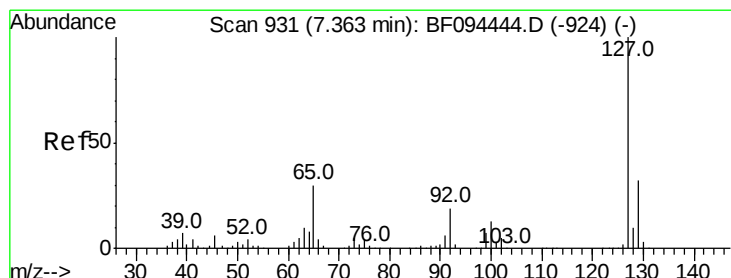
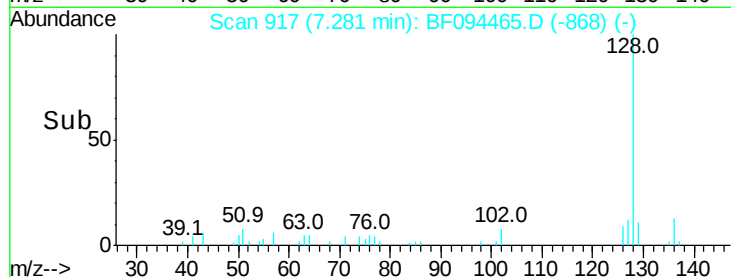
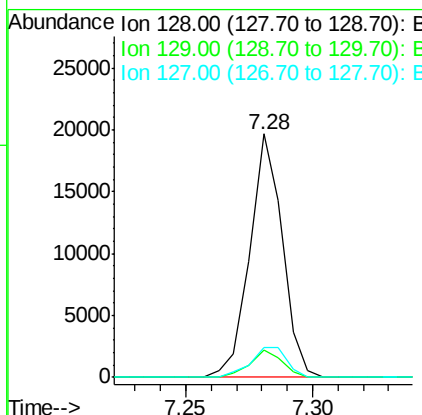
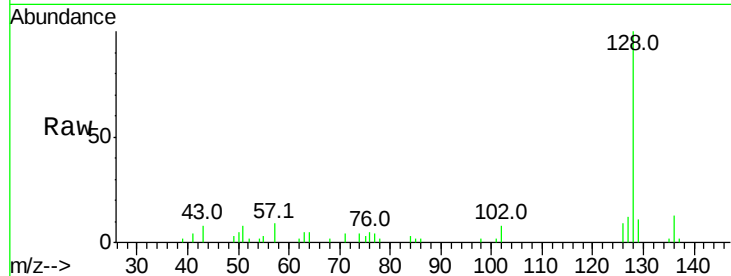




#31
Naphthalene
Concen: 0.62 ng
RT: 7.28 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

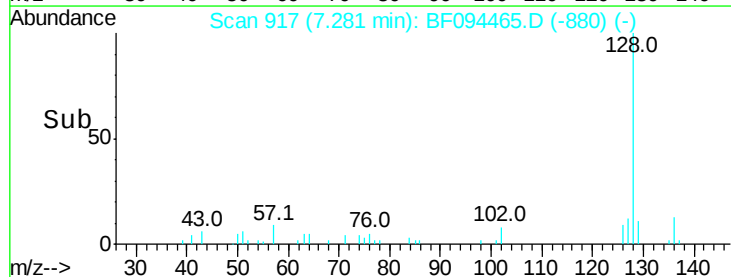
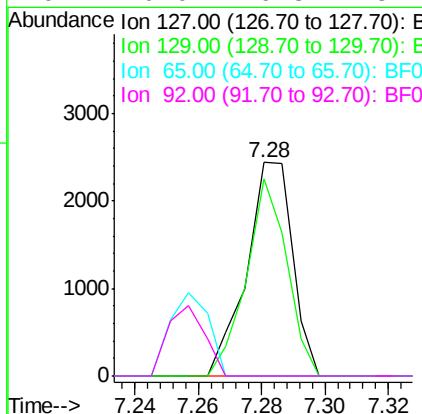
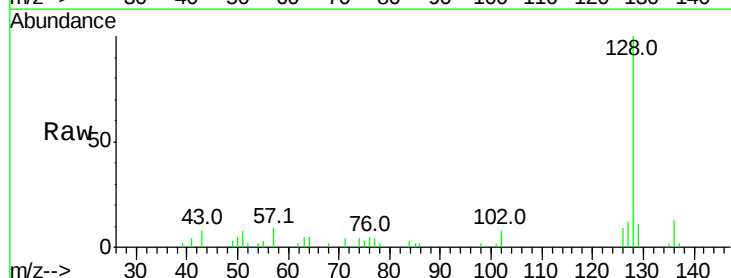
Instrument :
BNA_F
ClientSampled :

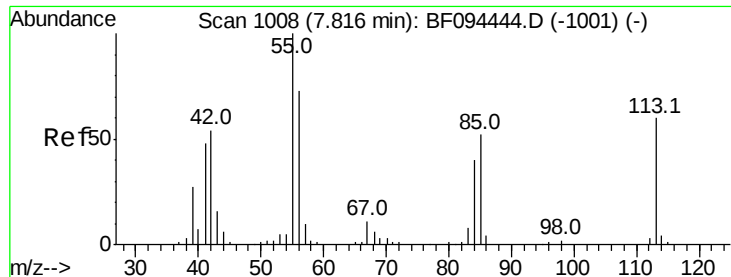
Tot Ion:128 Resp: 17633
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 12.4 10.8 16.2



#33
4-Chloroaniline
Concen: 0.21 ng
RT: 7.28 min Scan# 917
Delta R.T. -0.08 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Tgt Ion:127 Resp: 2470
Ion Ratio Lower Upper
127 100
129 92.2 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#

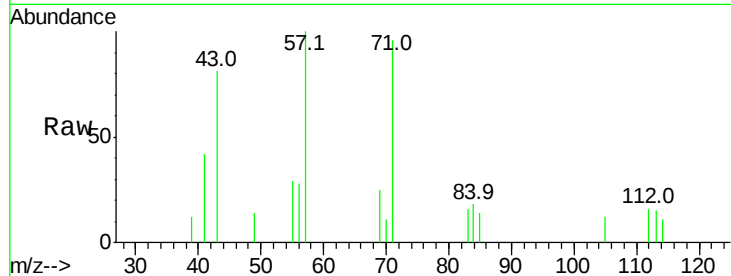




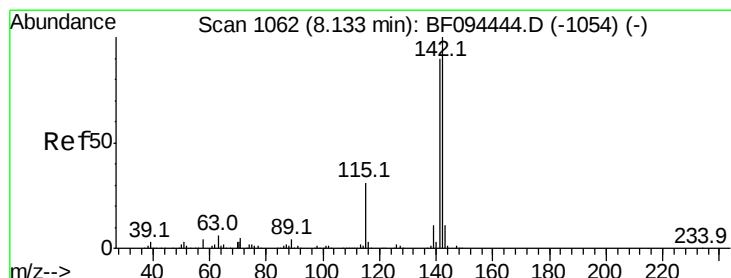
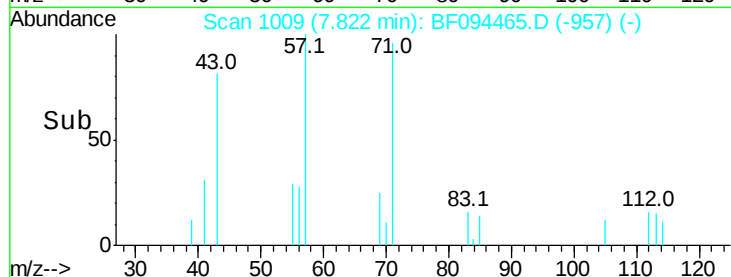
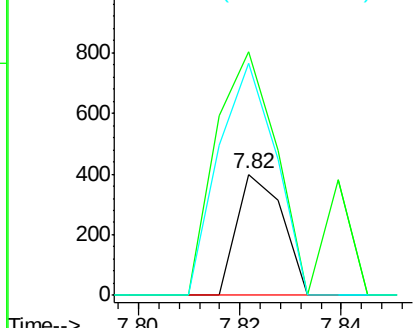
#35
 Caprolactam
 Concen: 0.10 ng
 RT: 7.82 min Scan# 1009
 Delta R.T. 0.01 min
 Lab File: BF094465.D
 Acq: 17 Apr 2017 22:31

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:113 Resp: 252
 Ion Ratio Lower Upper
 113 100
 55 201.3 150.2 190.2#
 56 192.2 107.8 147.8#

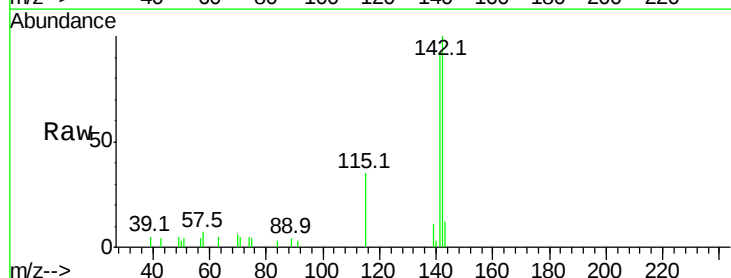


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

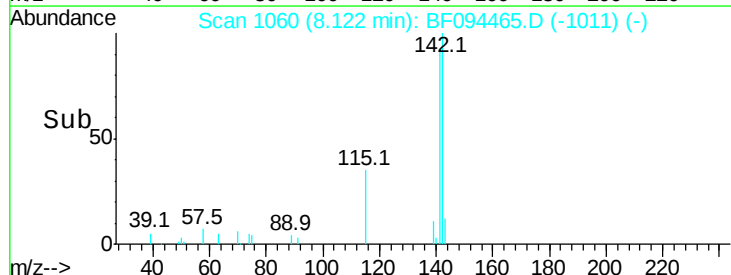
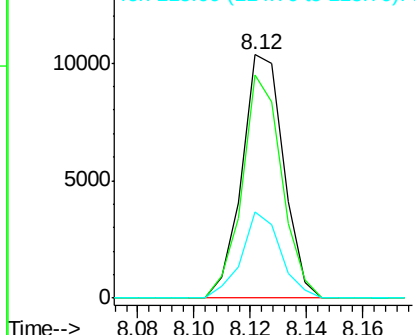


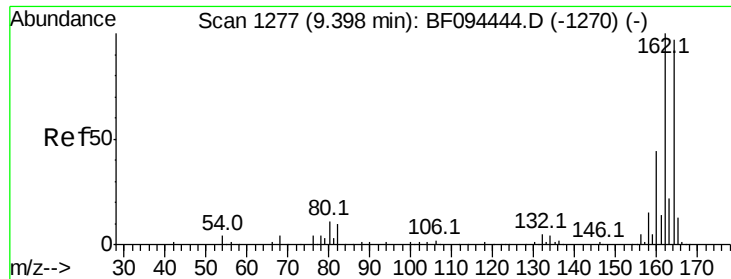
#37
 2-Methylnaphthalene
 Concen: 0.55 ng
 RT: 8.12 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: BF094465.D
 Acq: 17 Apr 2017 22:31

Tgt Ion:142 Resp: 10613
 Ion Ratio Lower Upper
 142 100
 141 91.8 71.3 106.9
 115 35.2 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

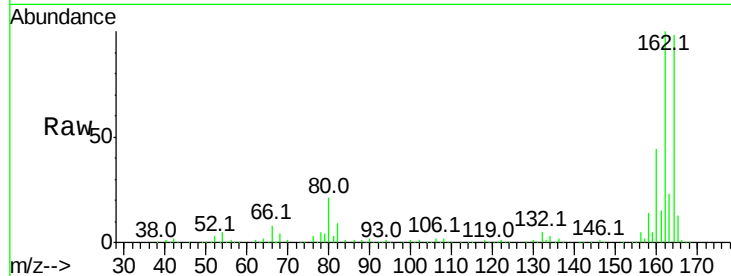




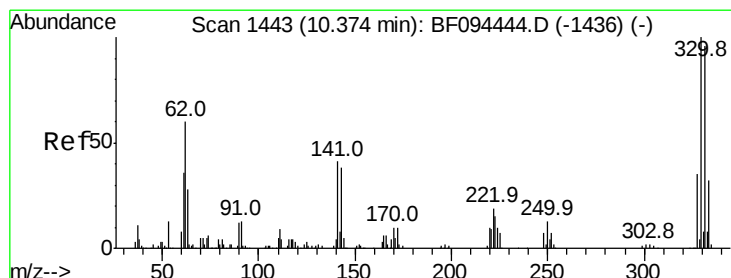
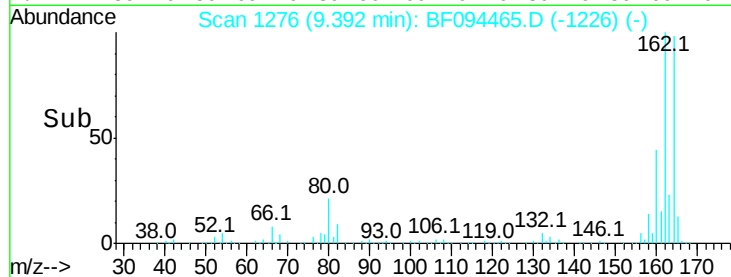
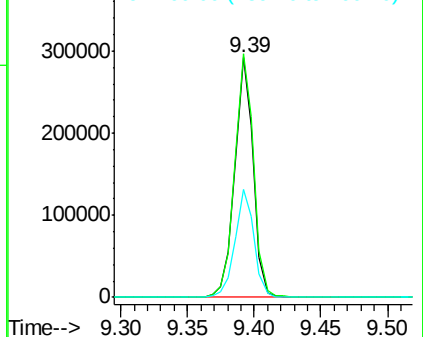
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF094465.D
 Acq: 17 Apr 2017 22:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 284016
 Ion Ratio Lower Upper
 164 100
 162 101.7 82.6 123.8
 160 44.9 36.2 54.2

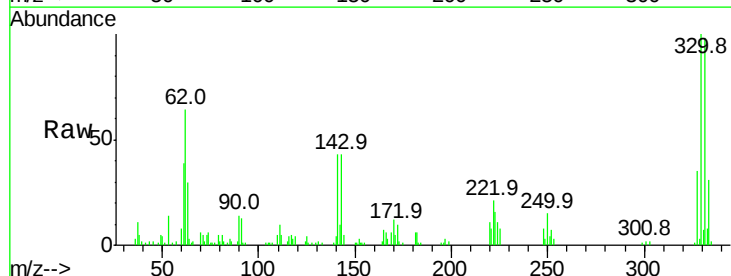


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

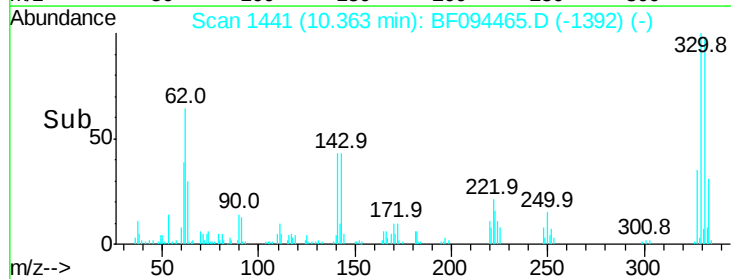
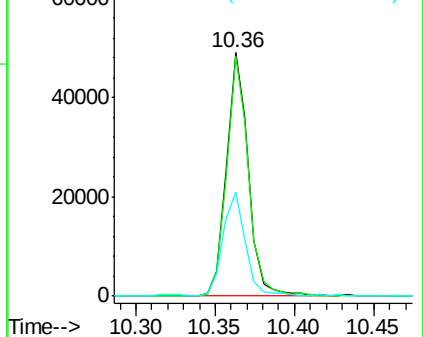


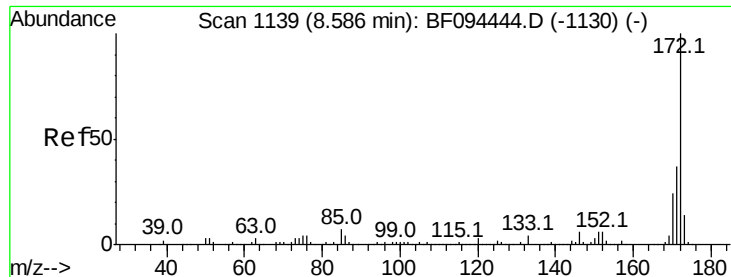
#41
 2,4,6-Tribromophenol
 Concen: 20.98 ng
 RT: 10.36 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF094465.D
 Acq: 17 Apr 2017 22:31

Tgt Ion:330 Resp: 46597
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 44.3 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

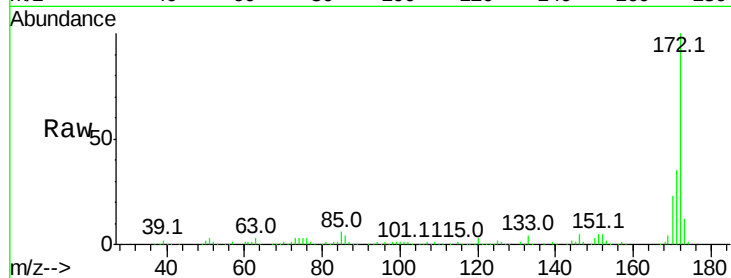




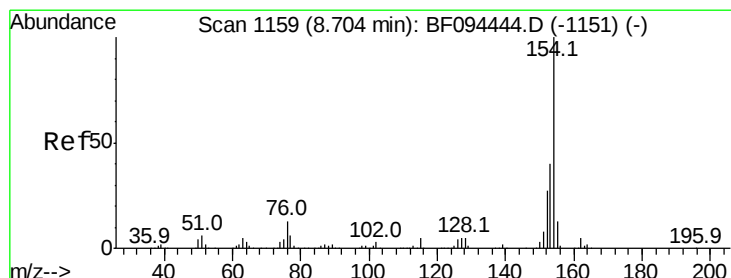
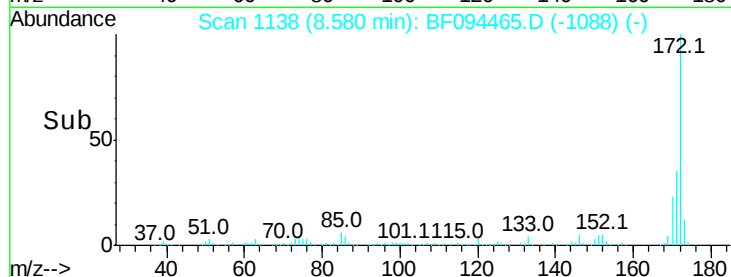
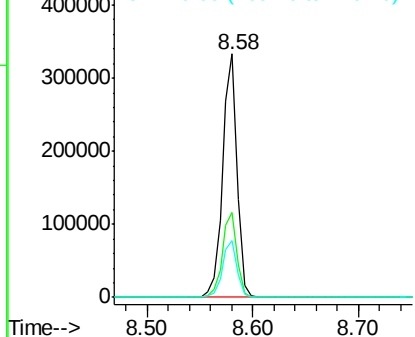
#44
2-Fluorobiphenyl
Concen: 16.49 ng
RT: 8.58 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 318394
Ion Ratio Lower Upper
172 100
171 35.0 29.6 44.4
170 23.5 19.8 29.8

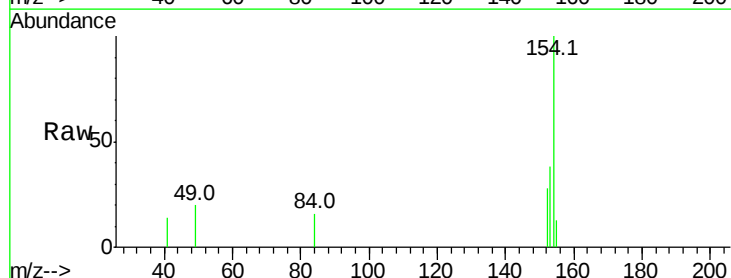


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

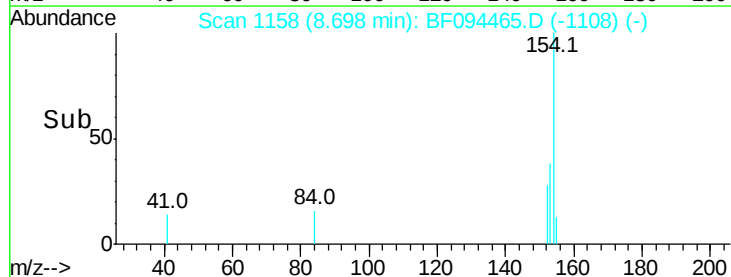
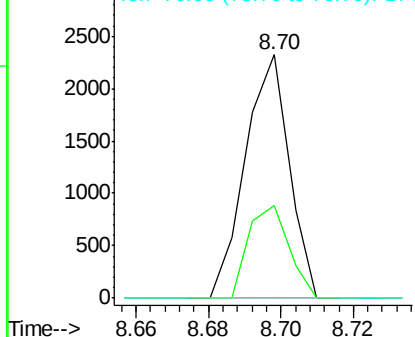


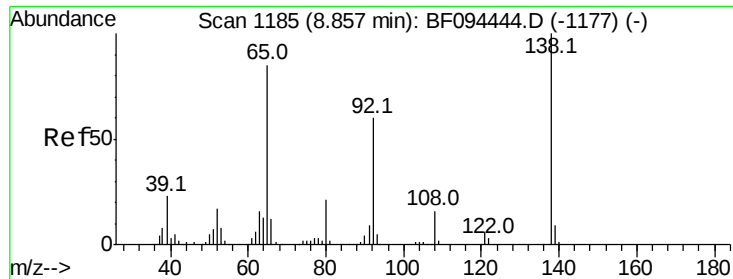
#45
1,1'-Biphenyl
Concen: 0.08 ng
RT: 8.70 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Tgt Ion:154 Resp: 1941
Ion Ratio Lower Upper
154 100
153 37.8 21.2 61.2
76 0.0 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

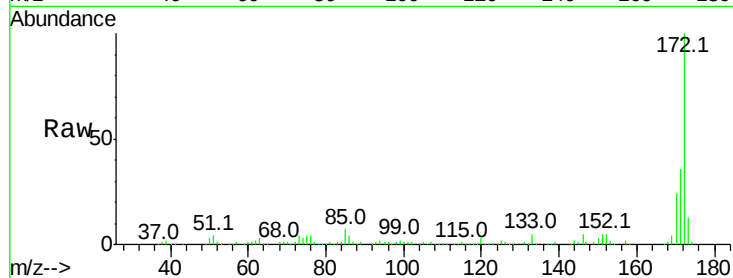




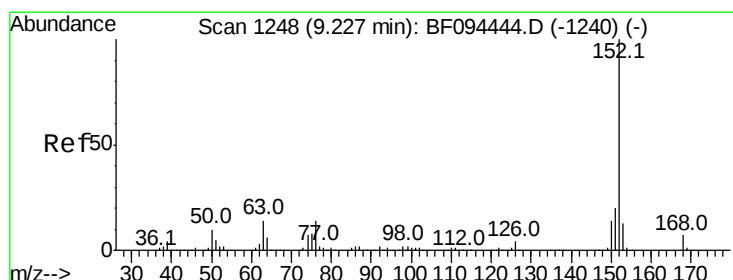
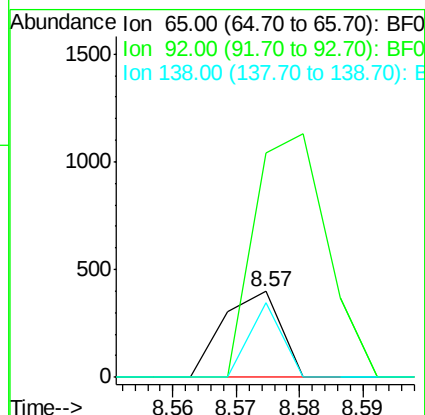
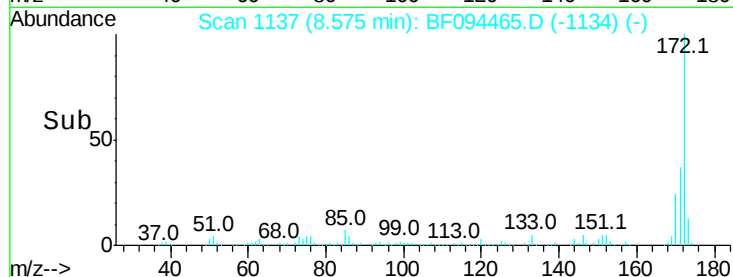
#47
2-Nitroaniline
Concen: 0.05 ng
RT: 8.57 min Scan# 1137
Delta R.T. -0.28 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 65 Resp: 247
Ion Ratio Lower Upper
65 100
92 262.7 53.9 80.9#
138 86.9 78.8 118.2

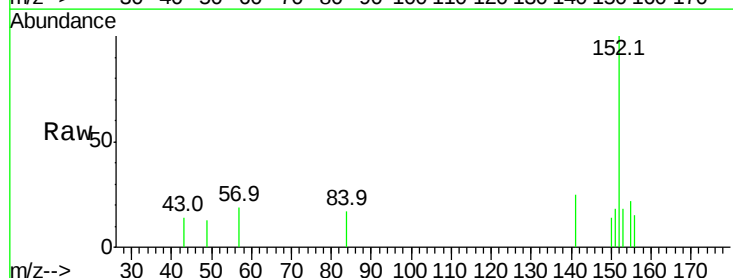


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

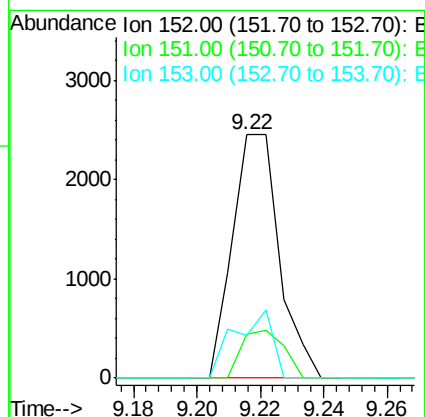
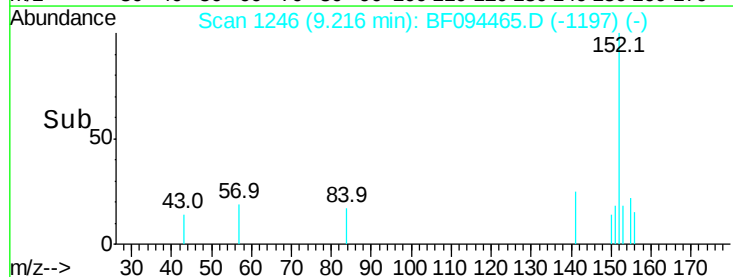


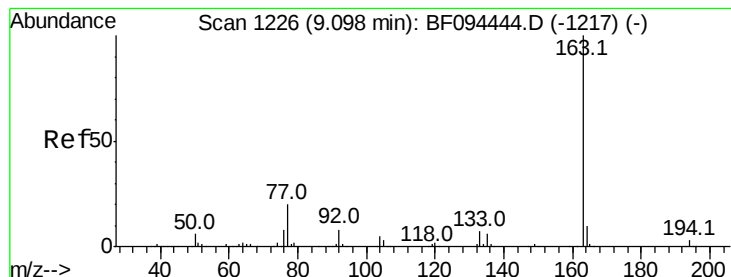
#48
Acenaphthylene
Concen: 0.09 ng
RT: 9.22 min Scan# 1246
Delta R.T. -0.01 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Tgt Ion:152 Resp: 2505
Ion Ratio Lower Upper
152 100
151 17.8 16.8 25.2
153 17.7 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: 1.19 ng

RT: 9.08 min Scan# 1223

Delta R.T. -0.02 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampleId :

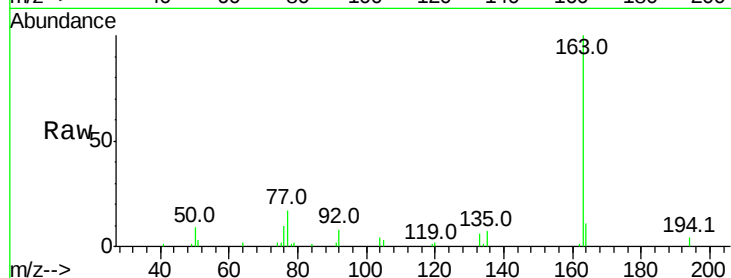
Tot Ion:163 Resp: 25143

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

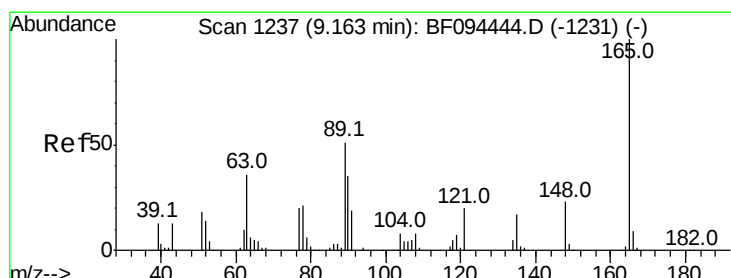
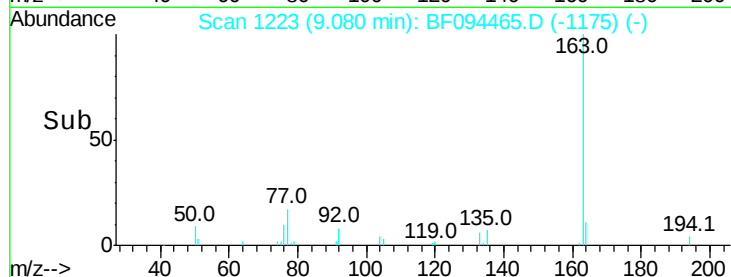
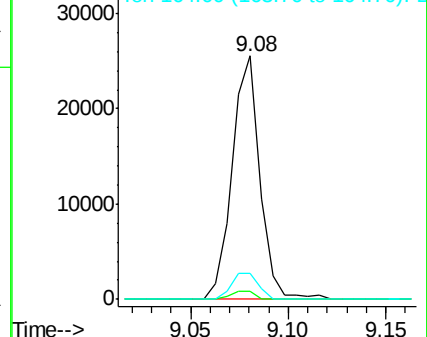
164 10.8 8.4 12.6



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: 7.65 ng

RT: 9.39 min Scan# 1276

Delta R.T. 0.23 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

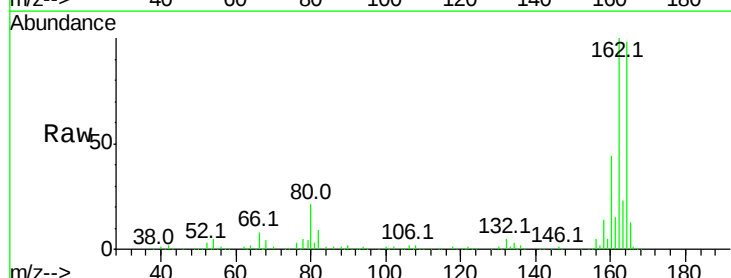
Tgt Ion:165 Resp: 36348

Ion Ratio Lower Upper

165 100

63 1.2 34.3 51.5#

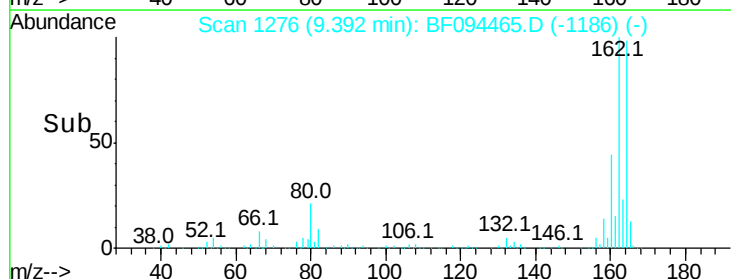
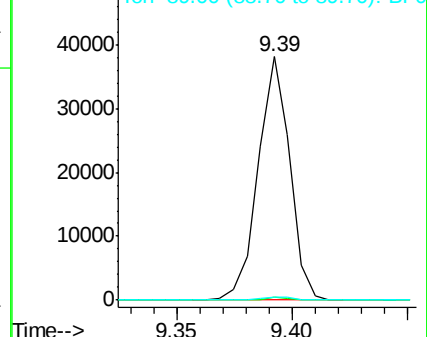
89 1.4 37.1 55.7#

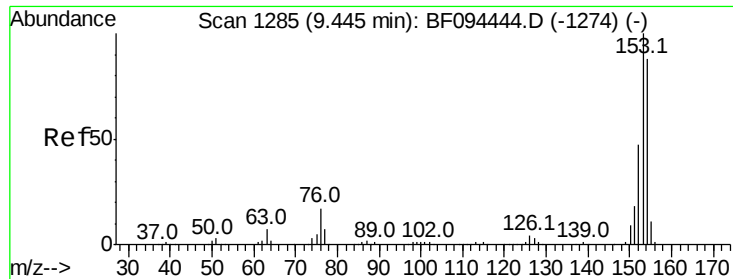


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.02 ng

RT: 9.43 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampled :

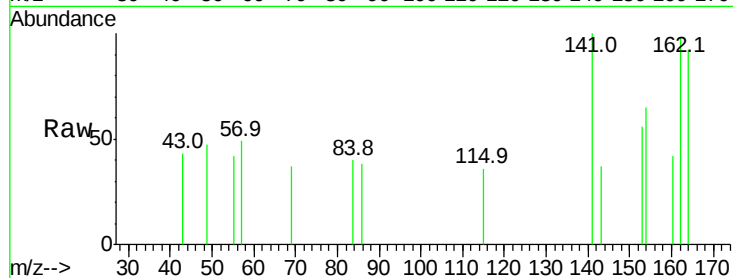
Tot Ion:154 Resp: 358

Ion Ratio Lower Upper

154 100

153 87.2 90.5 135.7#

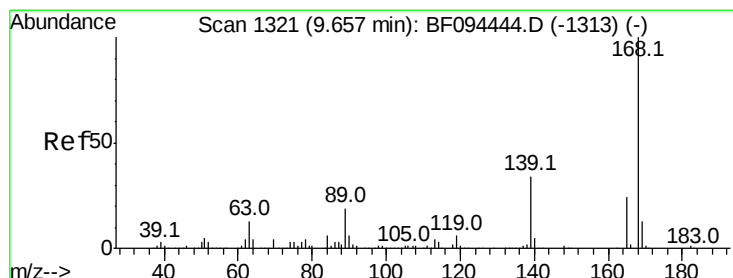
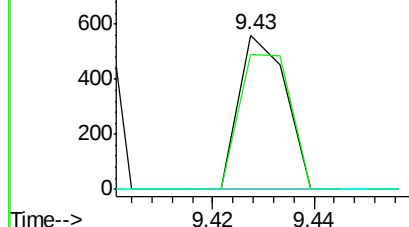
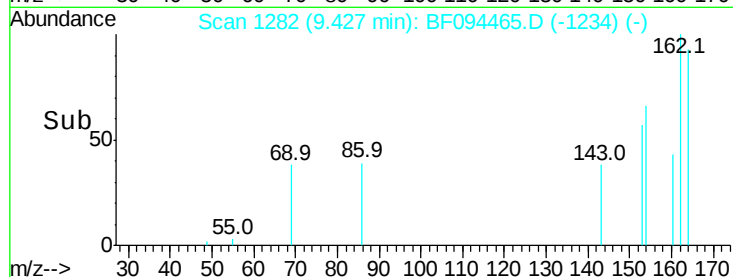
152 0.0 43.6 65.4#



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



#54

Dibenzofuran

Concen: 0.25 ng

RT: 9.65 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

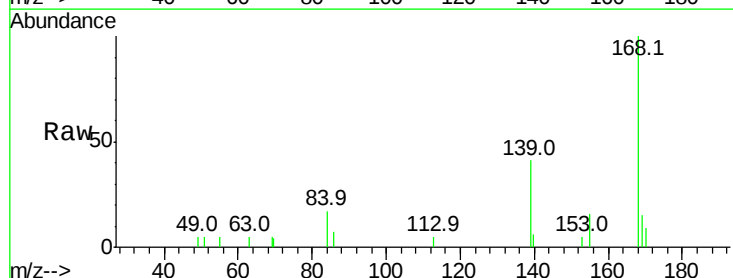
Tgt Ion:168 Resp: 6245

Ion Ratio Lower Upper

168 100

139 40.8 30.6 45.8

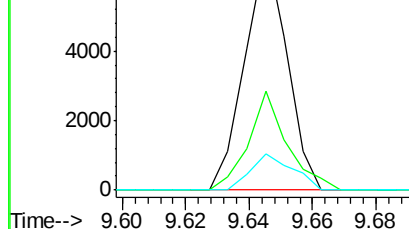
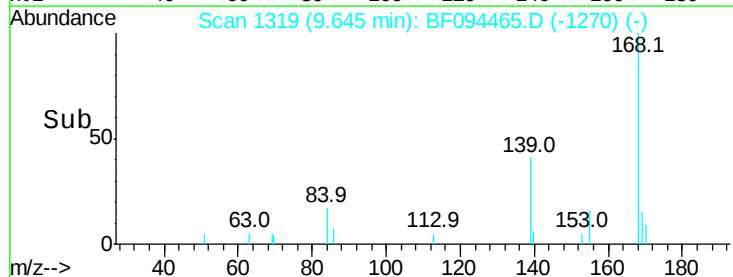
169 14.7 10.8 16.2

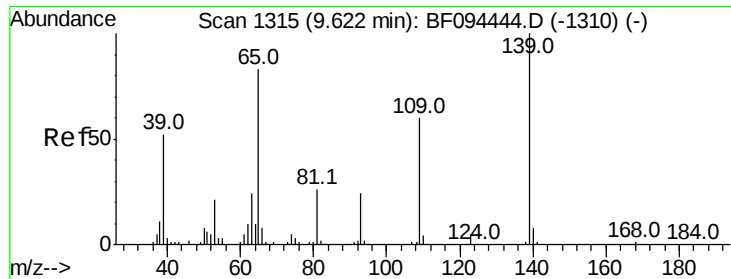


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

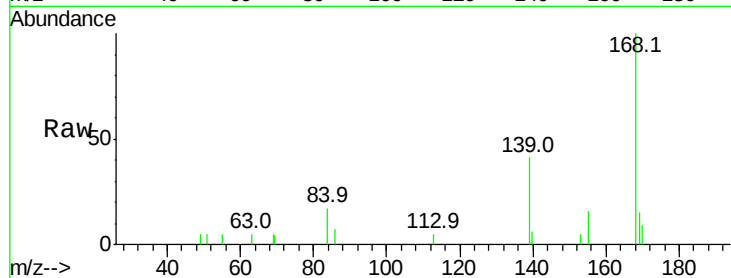




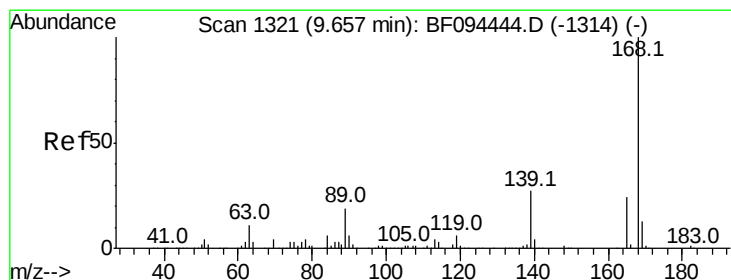
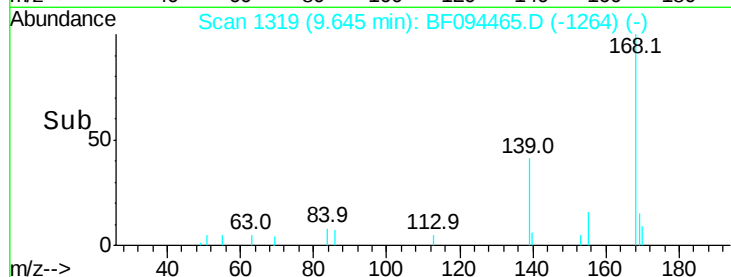
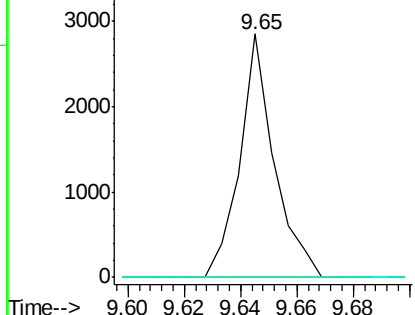
#55
4-Nitrophenol
Concen: 0.62 ng
RT: 9.65 min Scan# 1319
Delta R.T. 0.02 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

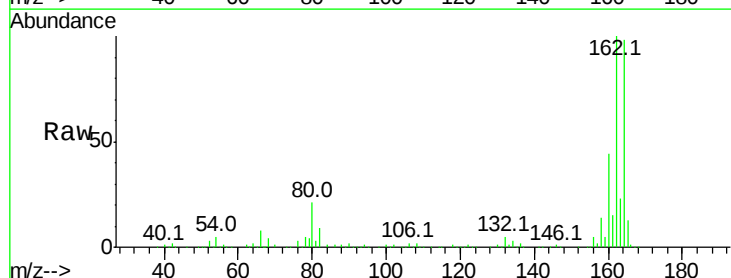


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

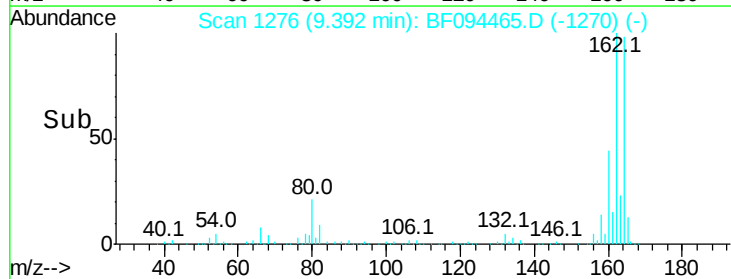
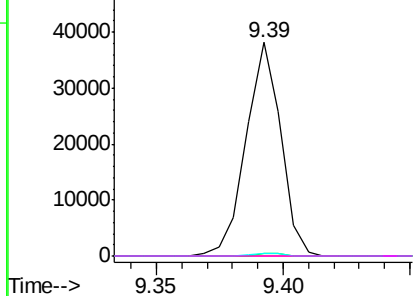


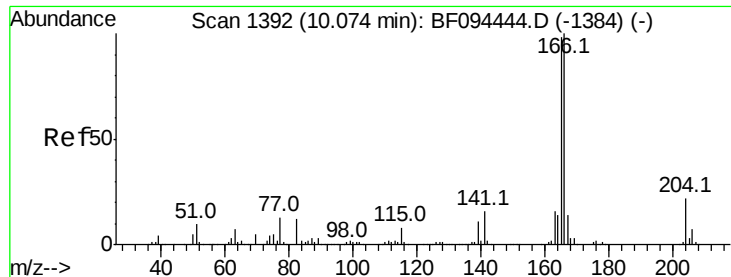
#56
2,4-Dinitrotoluene
Concen: 6.24 ng
RT: 9.39 min Scan# 1276
Delta R.T. -0.26 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

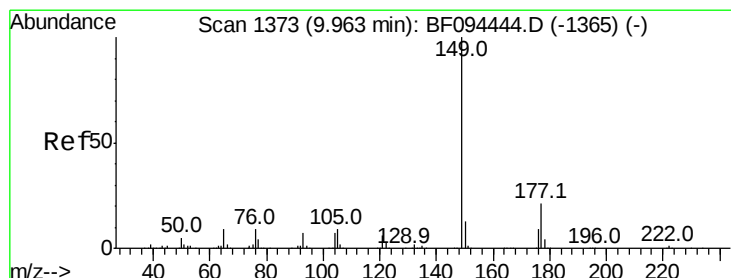
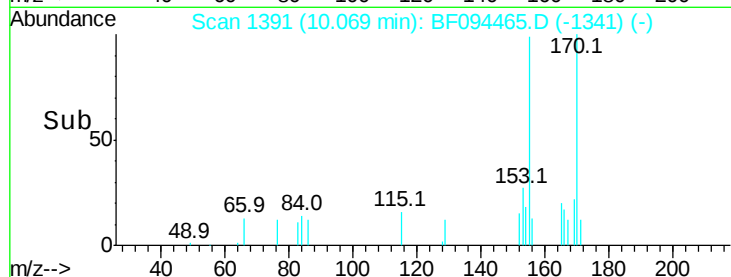
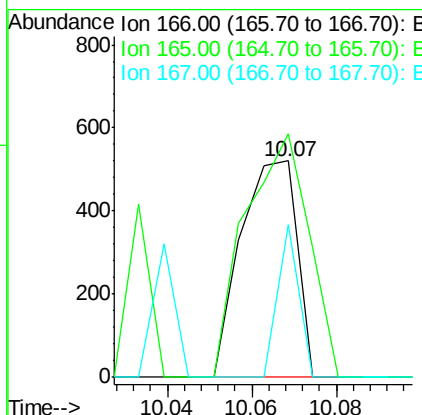
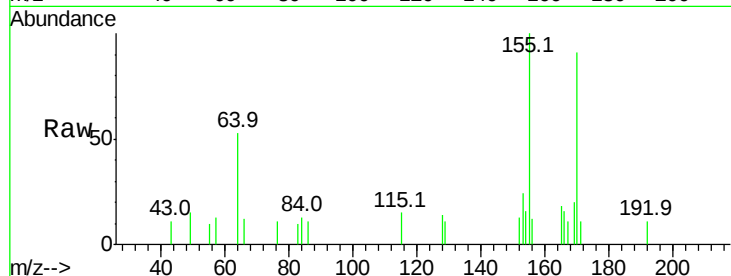




#57
 Fluorene
 Concen: 0.02 ng
 RT: 10.07 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF094465.D
 Acq: 17 Apr 2017 22:31

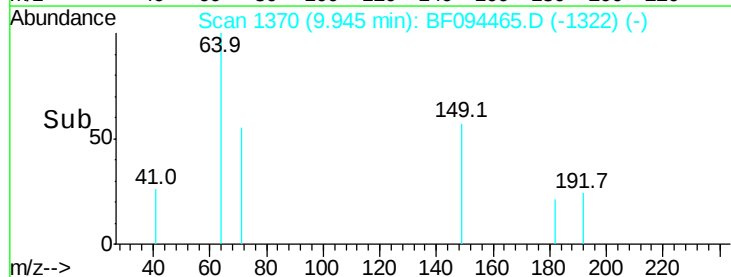
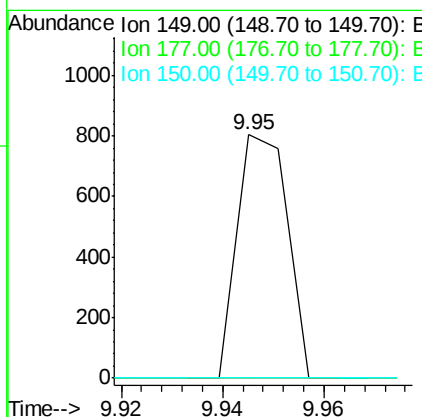
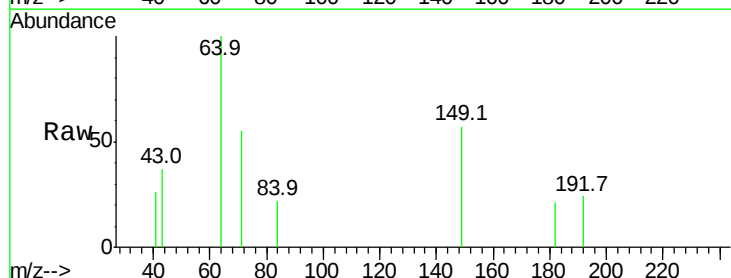
Instrument :
 BNA_F
 ClientSampleId :

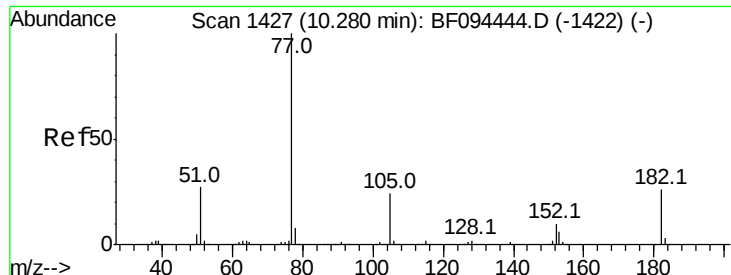
Tot Ion:166 Resp: 479
 Ion Ratio Lower Upper
 166 100
 165 112.7 78.8 118.2
 167 70.8 10.6 16.0#



#59
 Diethylphthalate
 Concen: 0.03 ng
 RT: 9.95 min Scan# 1370
 Delta R.T. -0.02 min
 Lab File: BF094465.D
 Acq: 17 Apr 2017 22:31

Tgt Ion:149 Resp: 552
 Ion Ratio Lower Upper
 149 100
 177 0.0 16.7 25.1#
 150 0.0 10.2 15.2#





#62

Azobenzene

Concen: 0.02 ng

RT: 10.28 min Scan# 1427

Delta R.T. 0.00 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 484

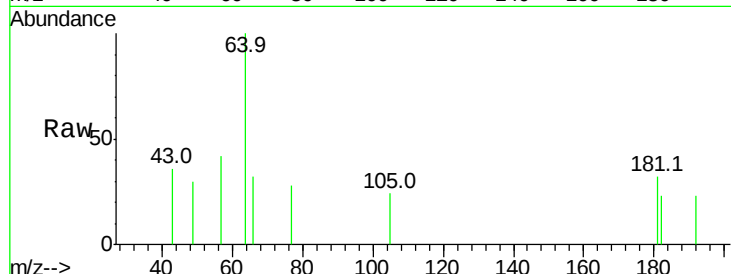
Ion Ratio Lower Upper

77 100

182 85.2 0.1 40.1#

105 88.7 3.6 43.6#

51 0.0 9.4 49.4#

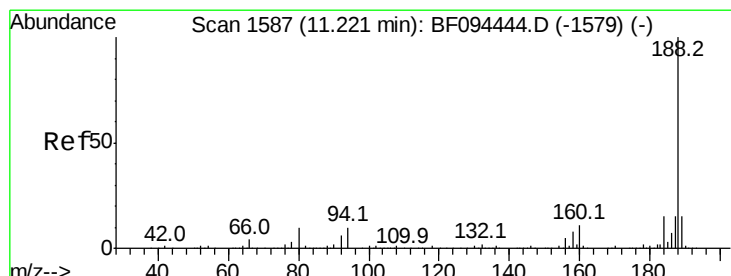
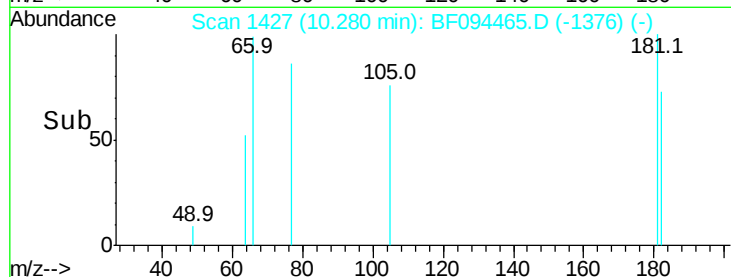
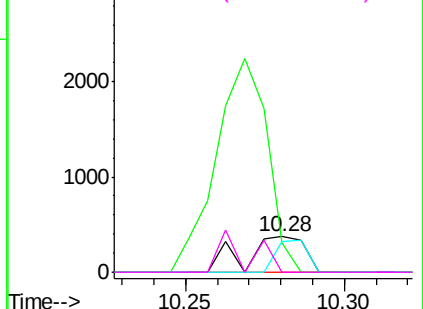


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

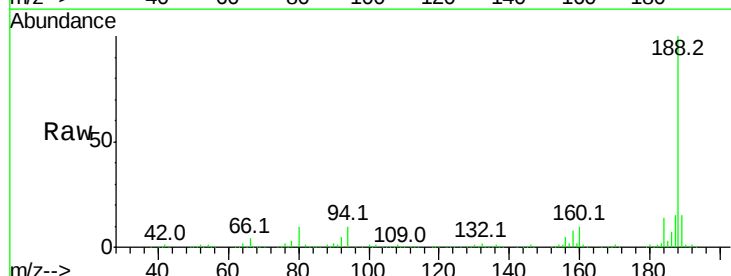
Tgt Ion: 188 Resp: 492010

Ion Ratio Lower Upper

188 100

94 10.2 9.4 14.2

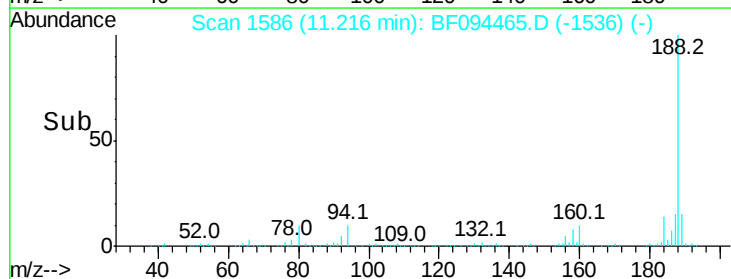
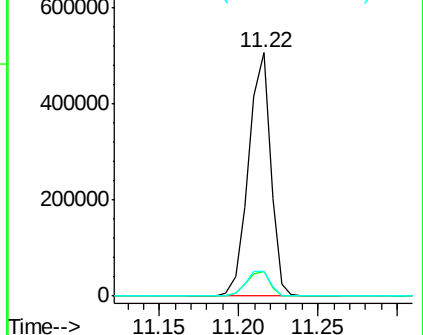
80 10.4 10.2 15.2

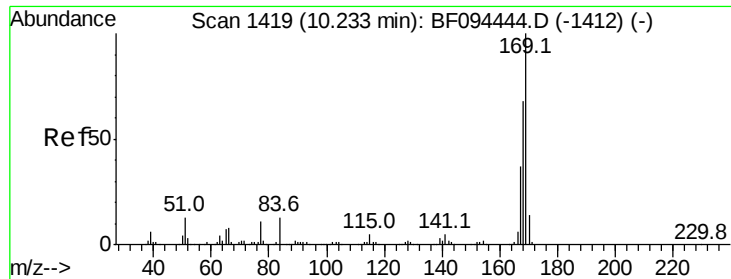


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

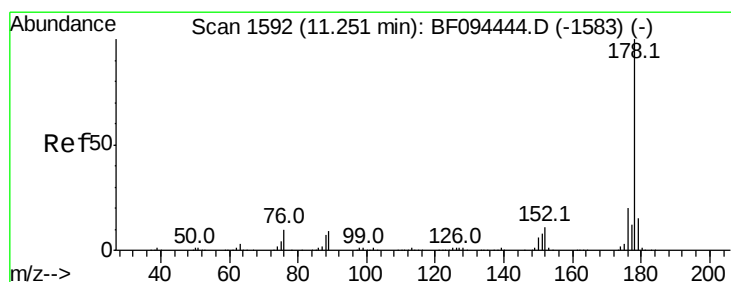
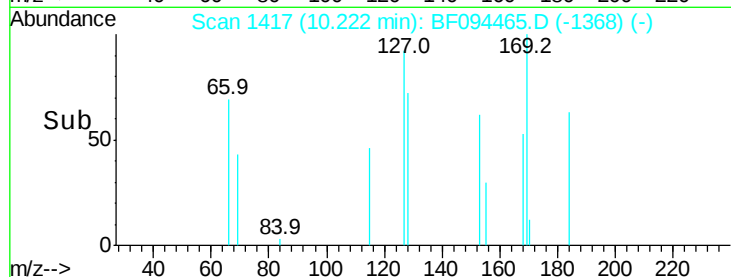
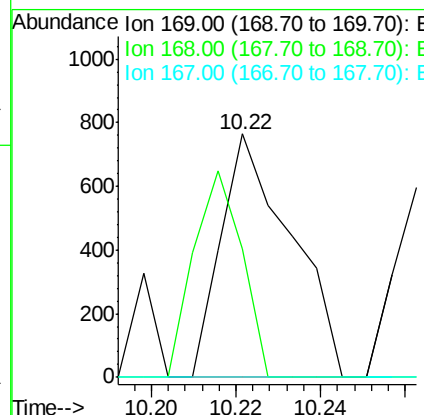
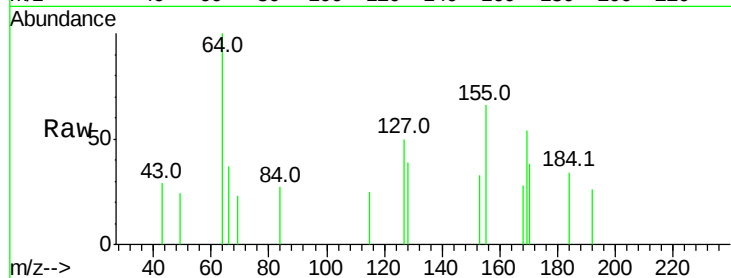




#65
n-Nitrosodiphenylamine
Concen: 0.05 ng
RT: 10.22 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

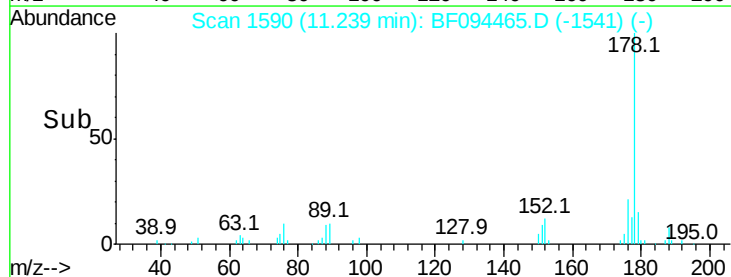
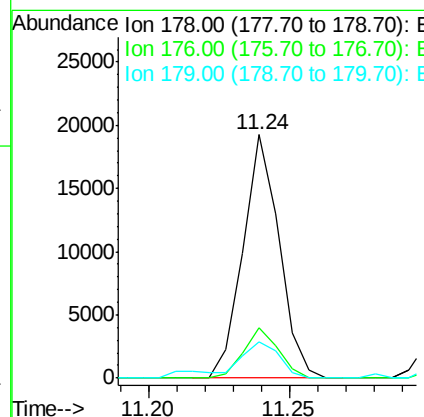
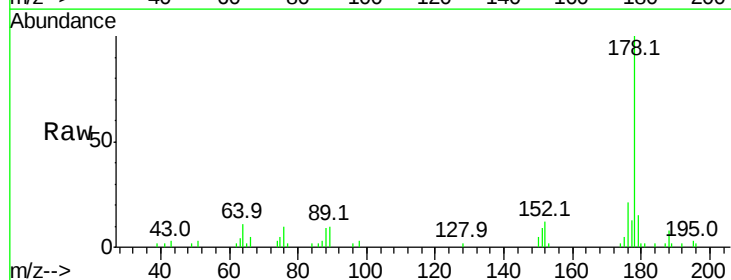
Instrument :
BNA_F
ClientSampleId :

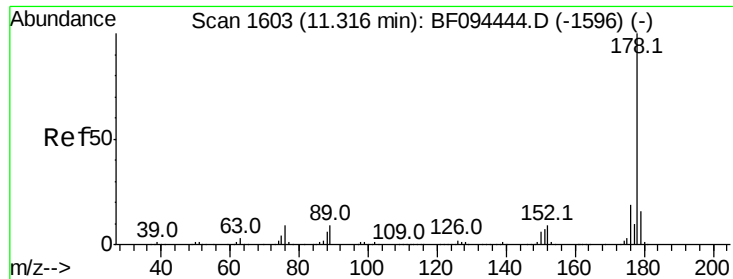
Tot Ion:169 Resp: 879
Ion Ratio Lower Upper
169 100
168 52.7 53.2 79.8#
167 0.0 29.5 44.3#



#70
Phenanthrene
Concen: 0.62 ng
RT: 11.24 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Tgt Ion:178 Resp: 17181
Ion Ratio Lower Upper
178 100
176 20.6 16.2 24.4
179 14.7 12.6 19.0





#71

Anthracene

Concen: 0.11 ng

RT: 11.30 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampleId :

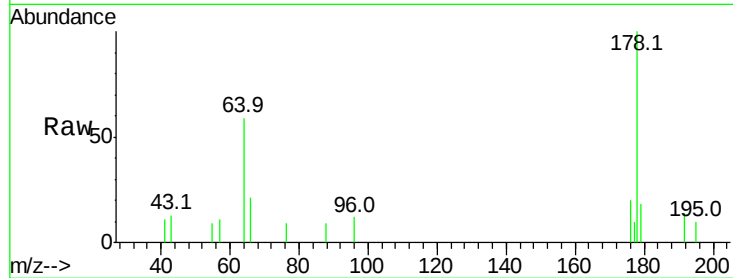
Tot Ion:178 Resp: 3186

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

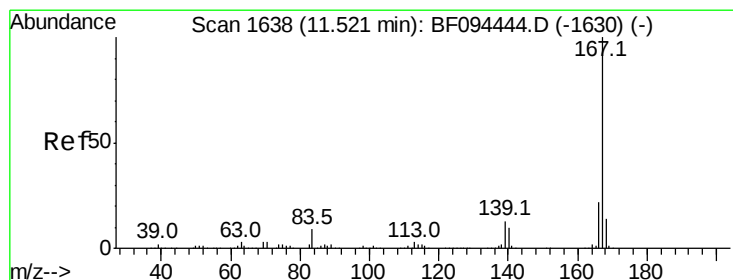
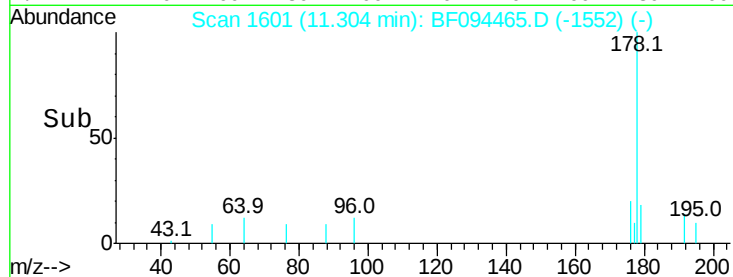
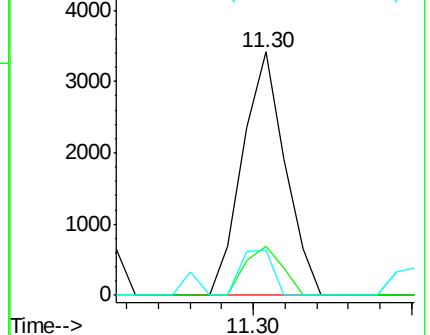
179 18.5 12.7 19.1



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



#72

Carbazole

Concen: 0.10 ng

RT: 11.51 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

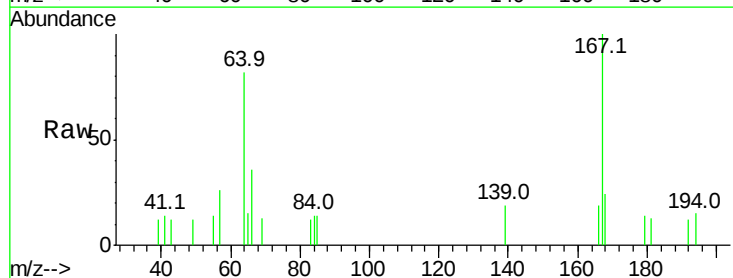
Tgt Ion:167 Resp: 2661

Ion Ratio Lower Upper

167 100

166 18.8 18.1 27.1

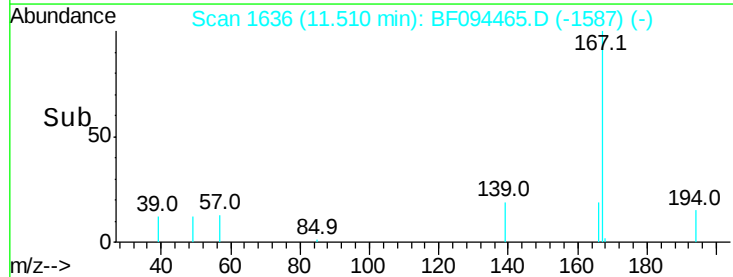
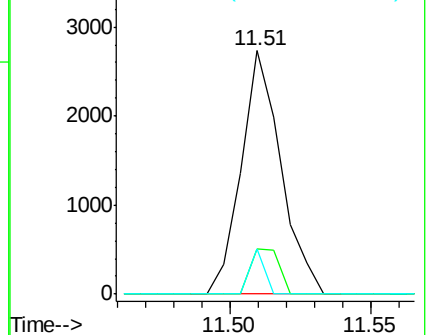
139 18.5 11.7 17.5#

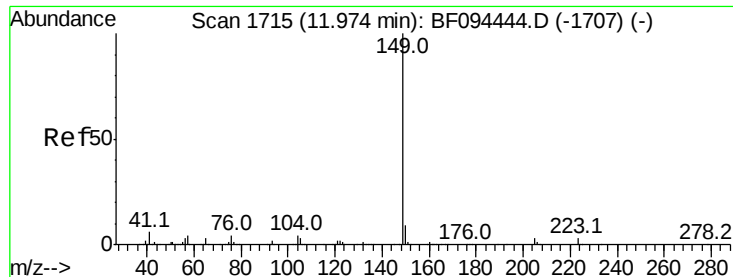


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.06 ng

RT: 11.97 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampleId :

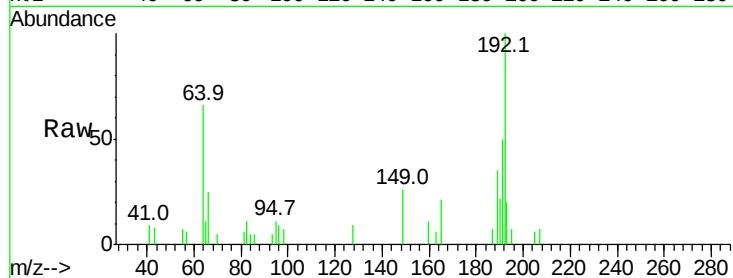
Tot Ion:149 Resp: 1795

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

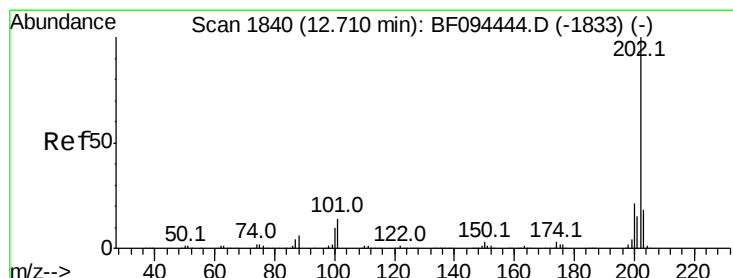
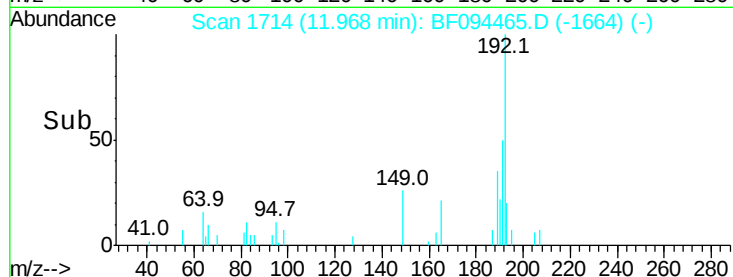
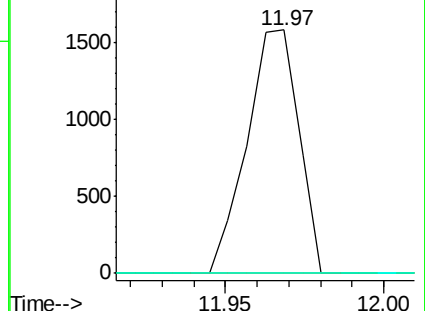
104 0.0 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.77 ng

RT: 12.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

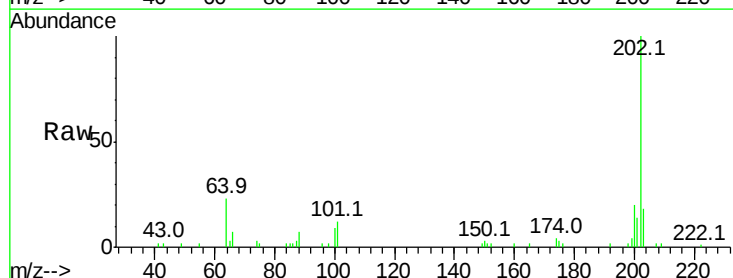
Tgt Ion:202 Resp: 22152

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.2

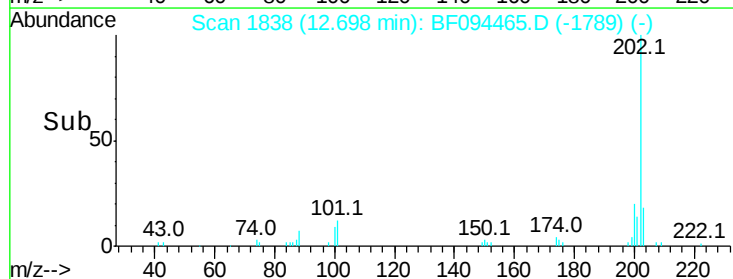
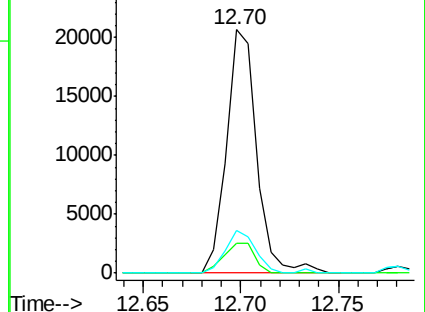
203 17.5 0.0 38.1

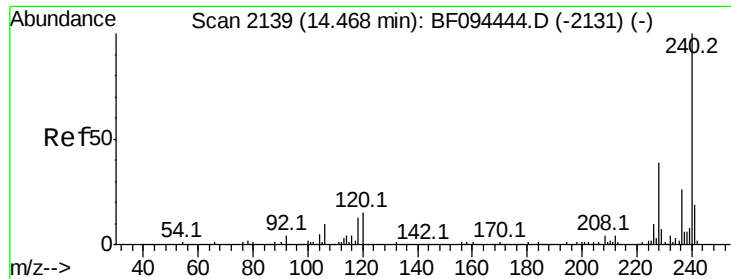


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

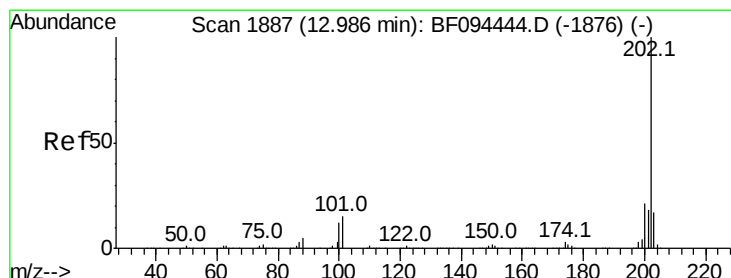
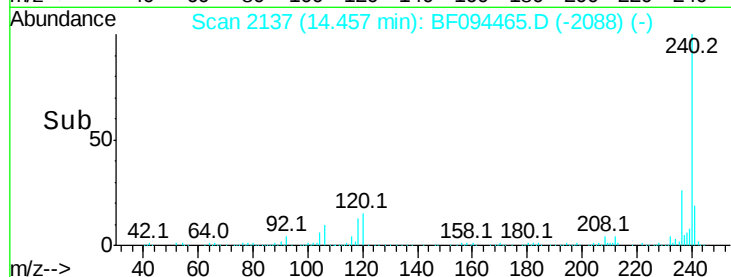
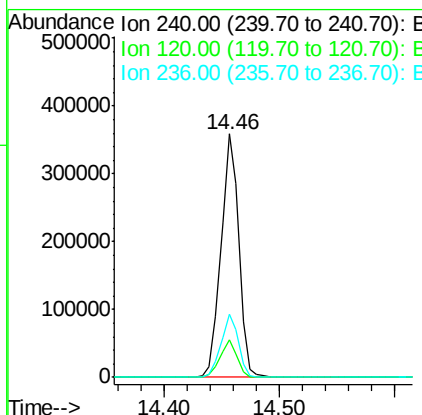
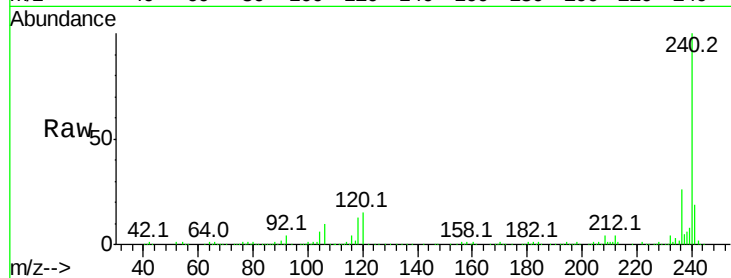




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.46 min Scan# 2137
 Delta R.T. -0.01 min
 Lab File: BF094465.D
 Acq: 17 Apr 2017 22:31

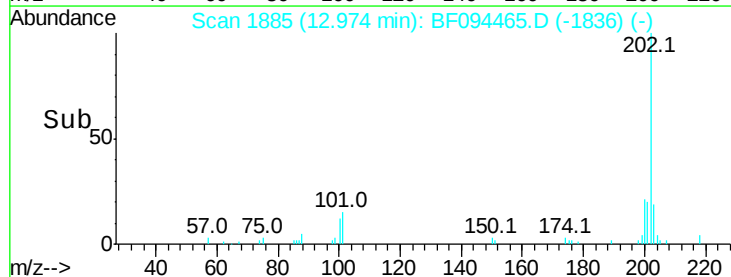
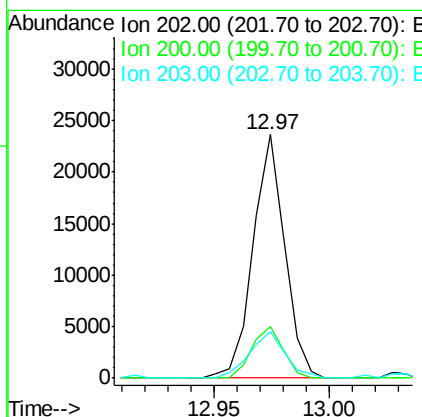
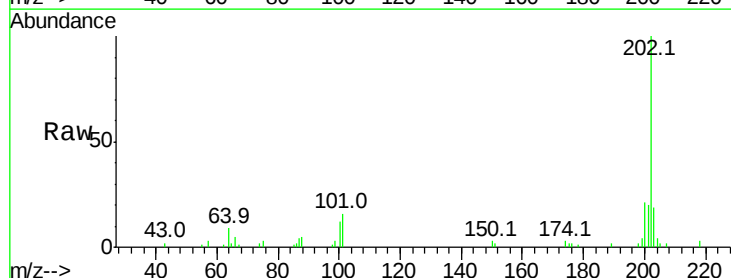
Instrument :
 BNA_F
 ClientSampled :

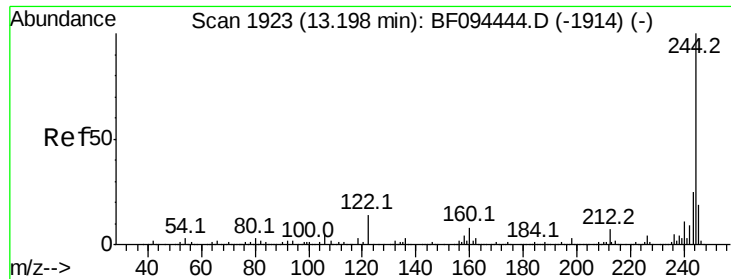
Tot Ion:240 Resp: 382874
 Ion Ratio Lower Upper
 240 100
 120 15.3 5.8 8.8#
 236 26.0 20.5 30.7



#77
 Pyrene
 Concen: 0.85 ng
 RT: 12.97 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: BF094465.D
 Acq: 17 Apr 2017 22:31

Tgt Ion:202 Resp: 22662
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.6 26.4
 203 18.9 14.4 21.6





#78

Terphenyl-d14

Concen: 17.61 ng

RT: 13.19 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampleId :

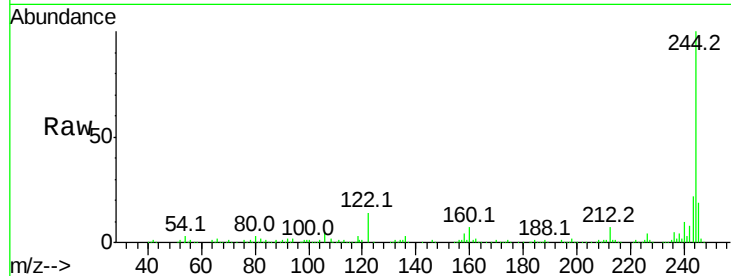
Tot Ion:244 Resp: 252234

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

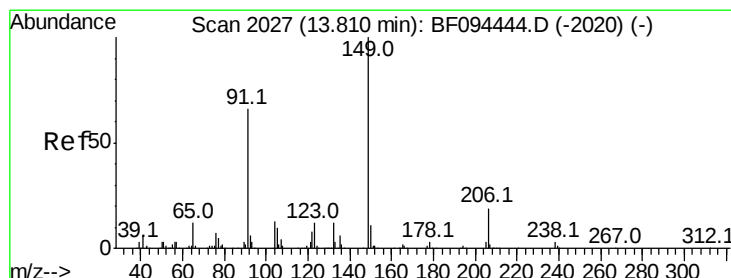
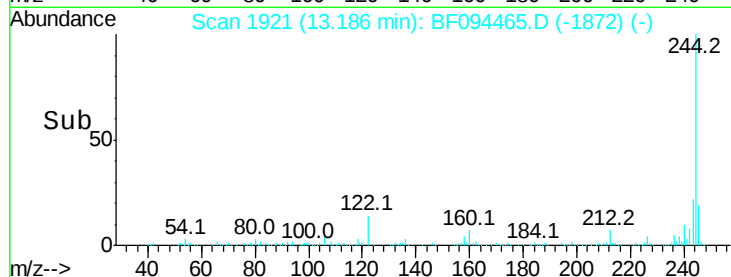
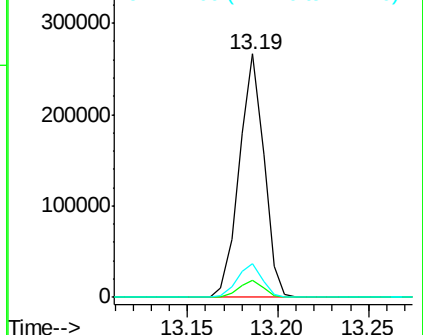
122 14.0 10.3 15.5



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



#79

Butylbenzylphthalate

Concen: 0.01 ng

RT: 13.80 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

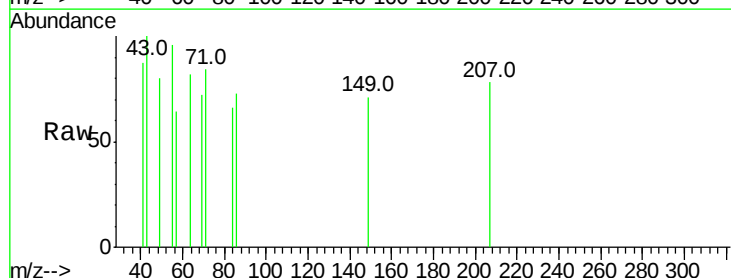
Tgt Ion:149 Resp: 121

Ion Ratio Lower Upper

149 100

91 0.0 45.0 67.4#

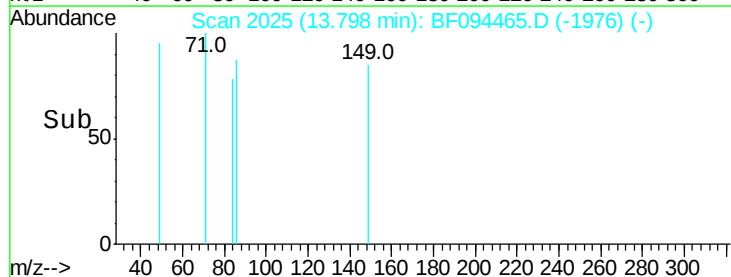
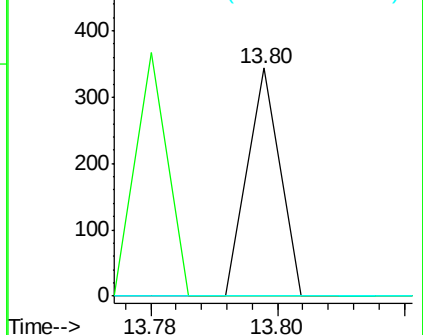
206 0.0 17.0 25.6#

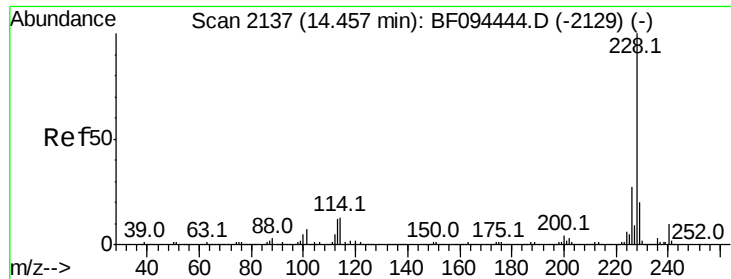


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.73 ng

RT: 14.44 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampleId :

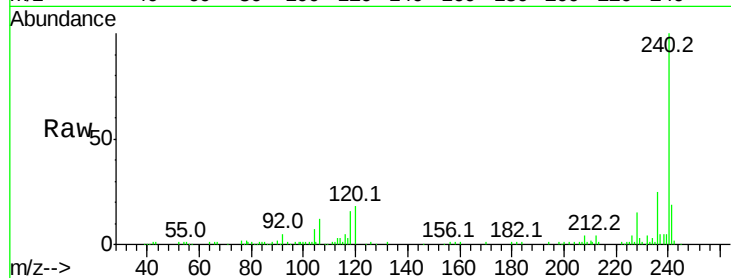
Tot Ion:228 Resp: 16149

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

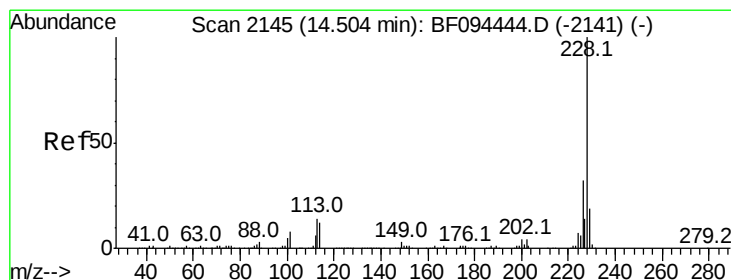
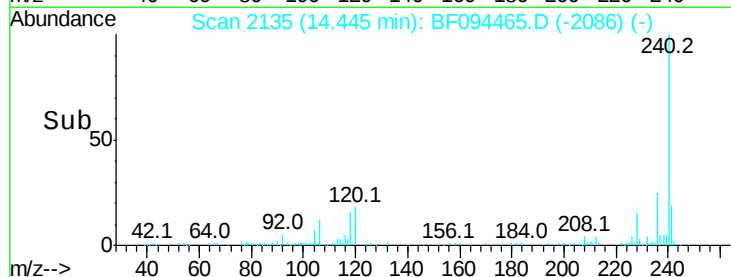
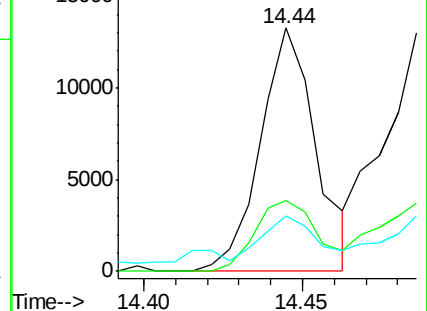
229 22.9 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 0.82 ng

RT: 14.49 min Scan# 2142

Delta R.T. -0.02 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

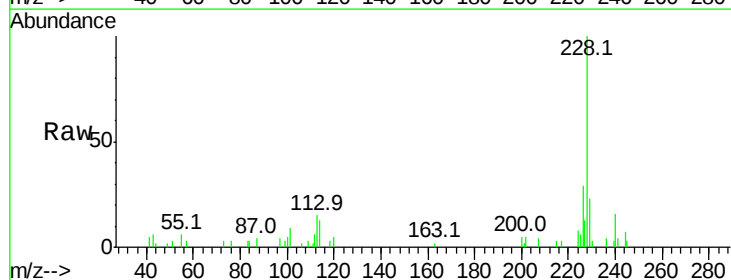
Tgt Ion:228 Resp: 16754

Ion Ratio Lower Upper

228 100

226 28.6 24.9 37.3

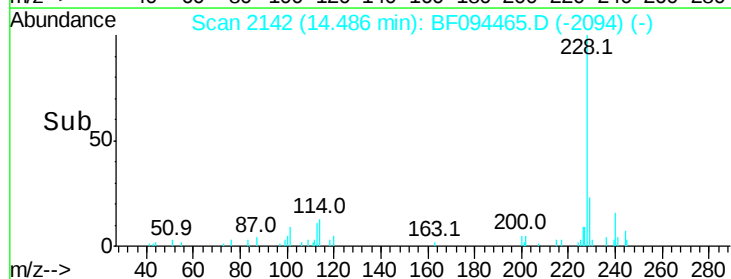
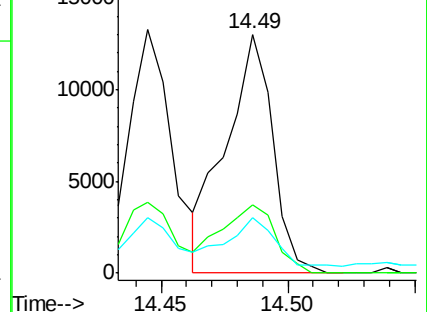
229 23.5 15.8 23.6

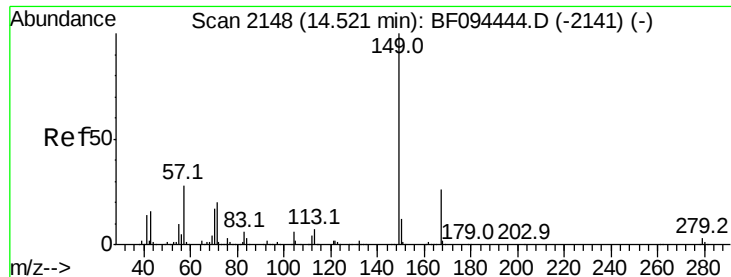


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

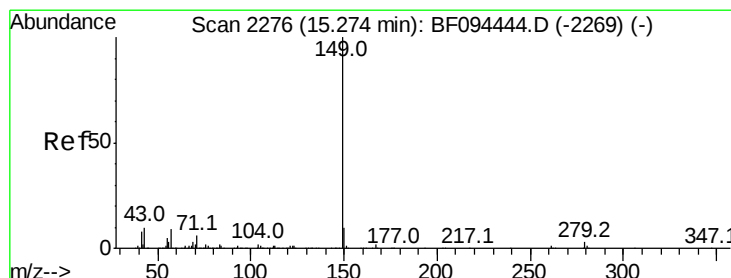
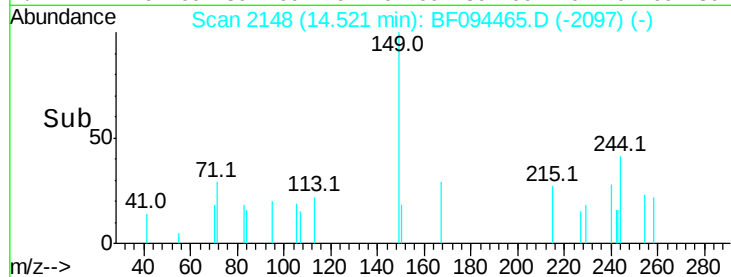
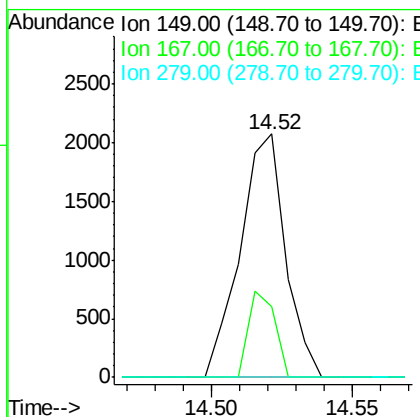
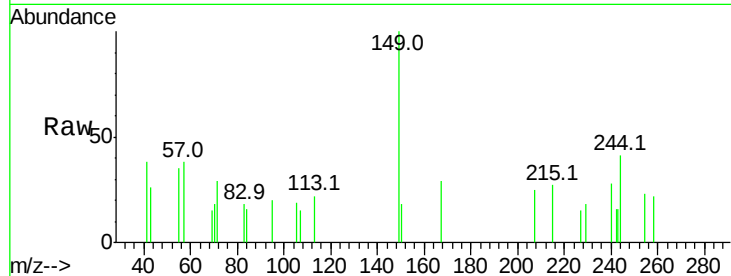




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.15 ng
 RT: 14.52 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: BF094465.D
 Acq: 17 Apr 2017 22:31

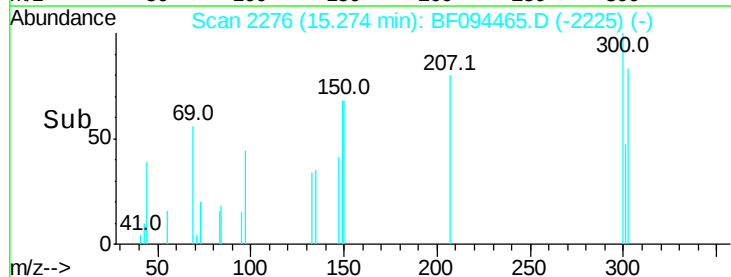
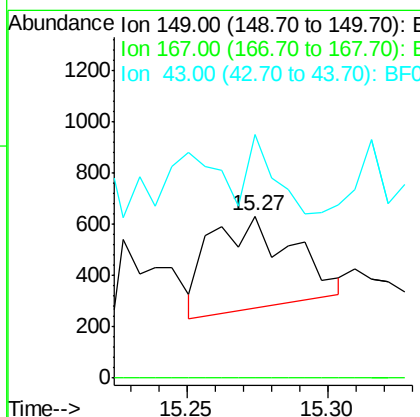
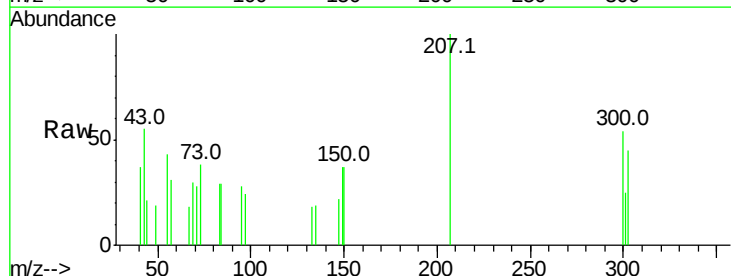
Instrument :
 BNA_F
 ClientSampleId :

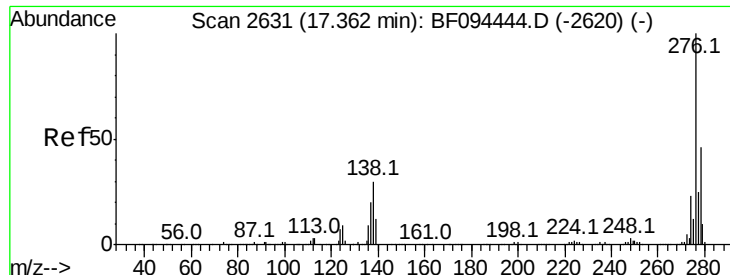
Tot Ion:149 Resp: 2308
 Ion Ratio Lower Upper
 149 100
 167 29.1 21.0 31.4
 279 0.0 1.9 2.9#



#84
 Di-n-octyl phthalate
 Concen: 0.03 ng
 RT: 15.27 min Scan# 2276
 Delta R.T. 0.00 min
 Lab File: BF094465.D
 Acq: 17 Apr 2017 22:31

Tgt Ion:149 Resp: 734
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 25.3 8.5 12.7#

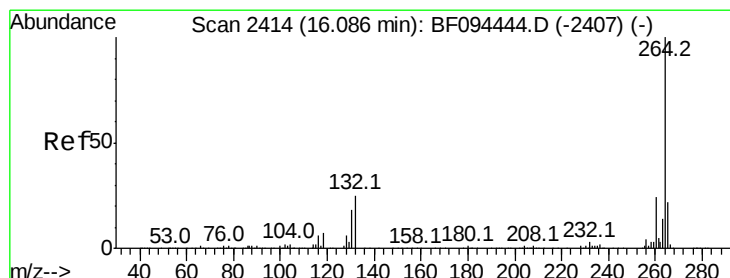
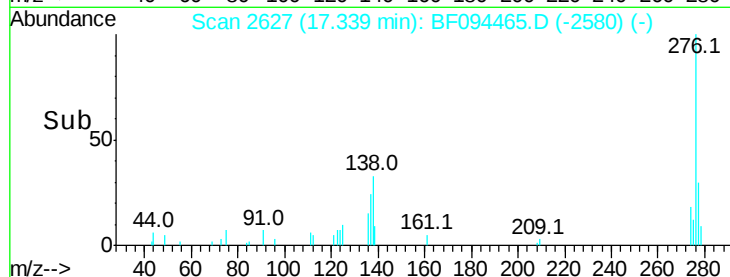
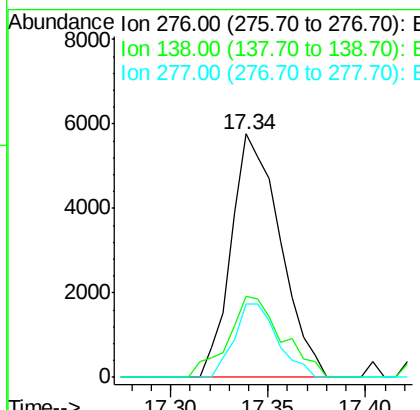
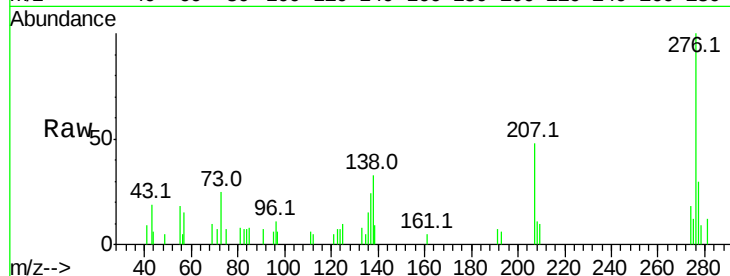




#85
Indeno(1,2,3-cd)pyrene
Concen: 0.52 ng
RT: 17.34 min Scan# 2627
Delta R.T. -0.02 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

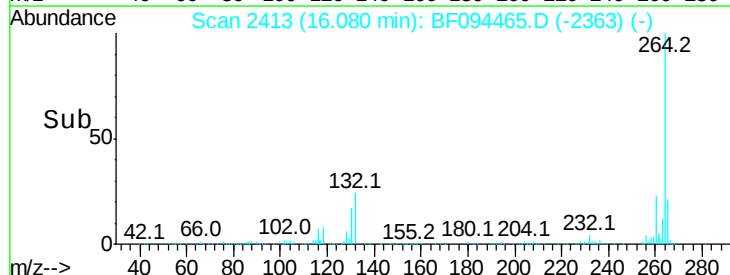
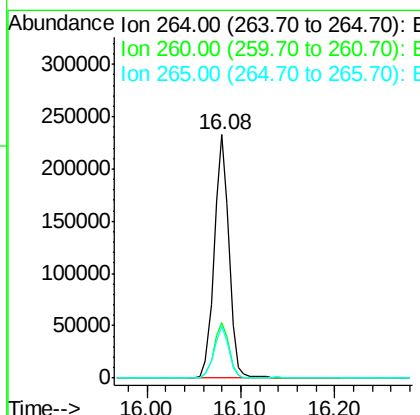
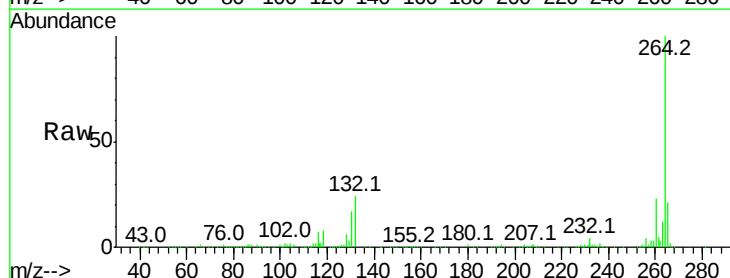
Instrument :
BNA_F
ClientSampleId :

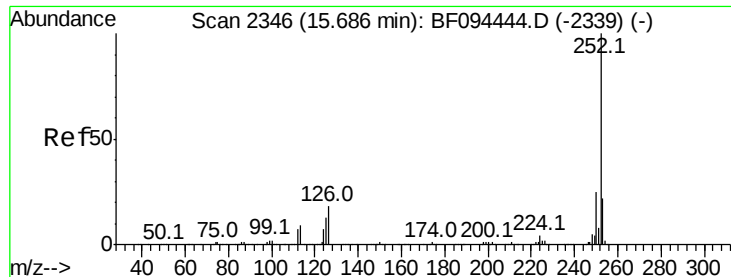
Tot Ion:276 Resp: 10034
Ion Ratio Lower Upper
276 100
138 36.5 27.8 41.6
277 26.7 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Tgt Ion:264 Resp: 258781
Ion Ratio Lower Upper
264 100
260 22.7 19.5 29.3
265 21.1 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.09 ng

RT: 15.68 min Scan# 2345

Delta R.T. -0.01 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampleId :

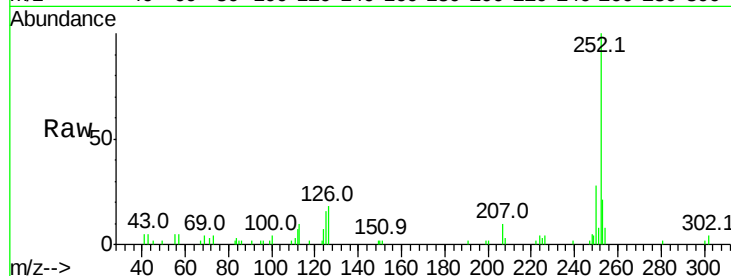
Tot Ion:252 Resp: 33141

Ion Ratio Lower Upper

252 100

253 21.5 18.1 27.1

125 16.4 9.8 14.8#

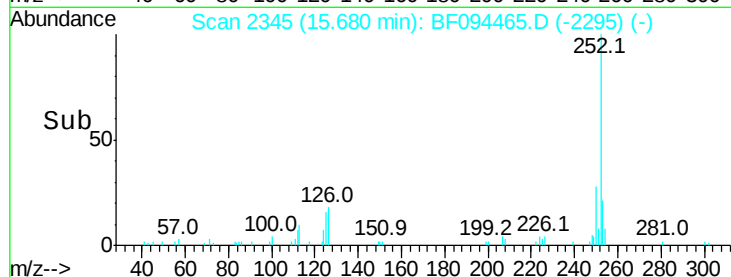


Abundance Ion 252.00 (251.70 to 252.70): E

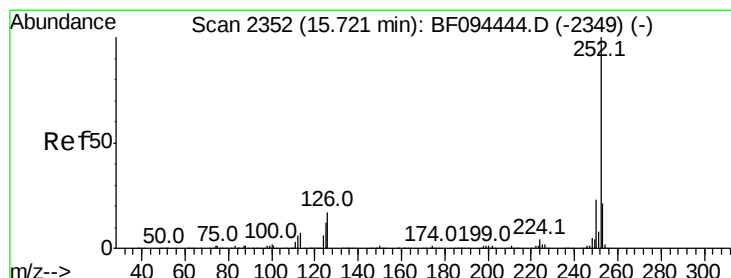
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 15.60 15.65 15.70 15.75



Time--> 15.60 15.65 15.70 15.75



#88

Benzo(k)fluoranthene

Concen: 2.21 ng

RT: 15.68 min Scan# 2345

Delta R.T. -0.04 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

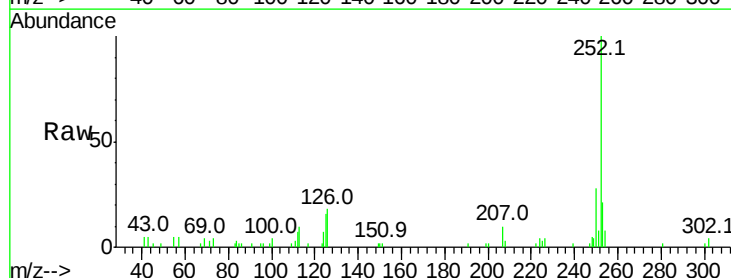
Tgt Ion:252 Resp: 33141

Ion Ratio Lower Upper

252 100

253 21.5 18.4 27.6

125 16.4 13.1 19.7

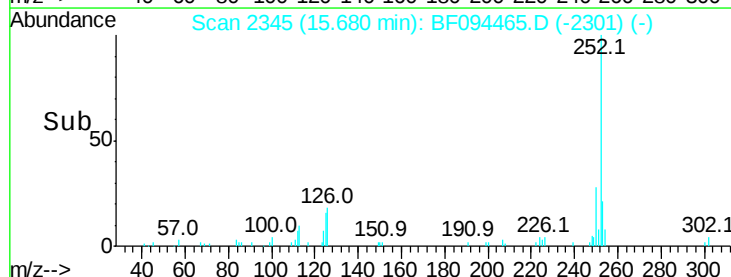


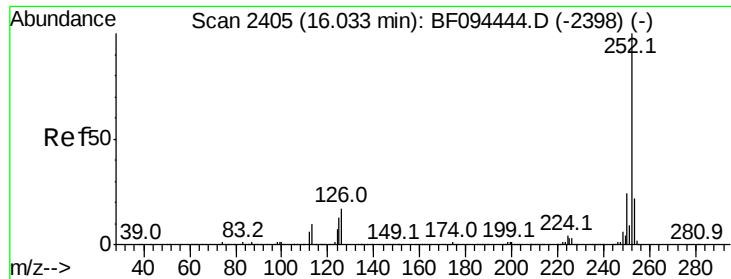
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 15.60 15.65 15.70 15.75

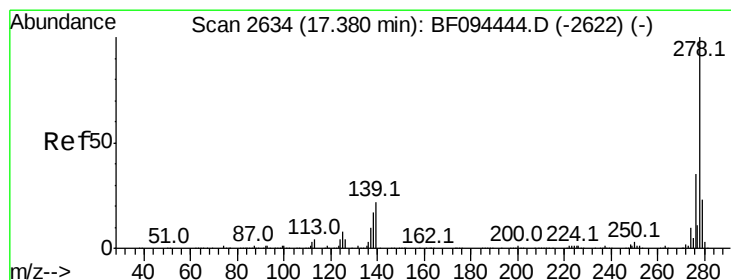
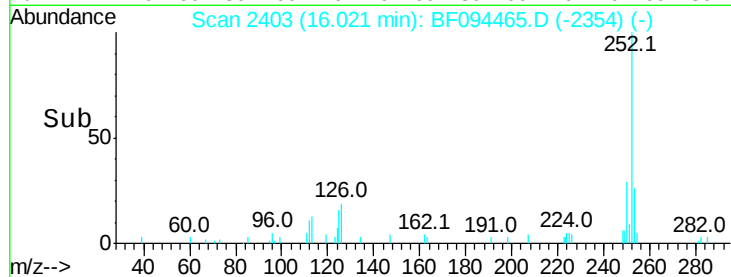
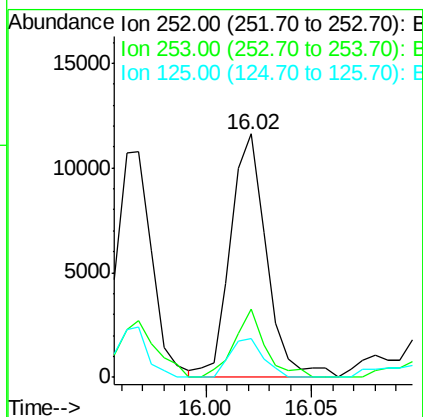
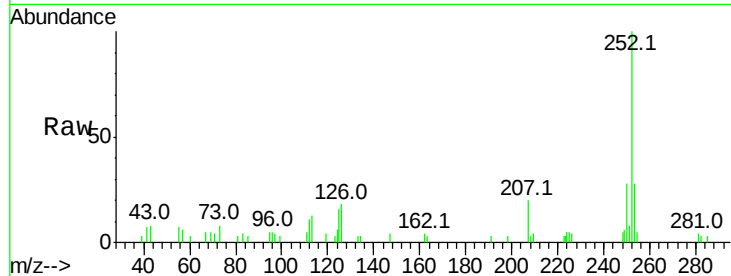




#89
Benzo(a)pyrene
Concen: 0.93 ng
RT: 16.02 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

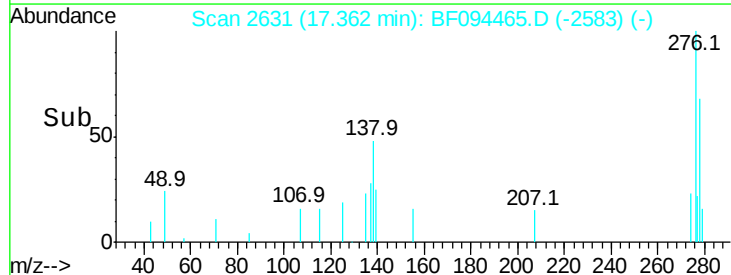
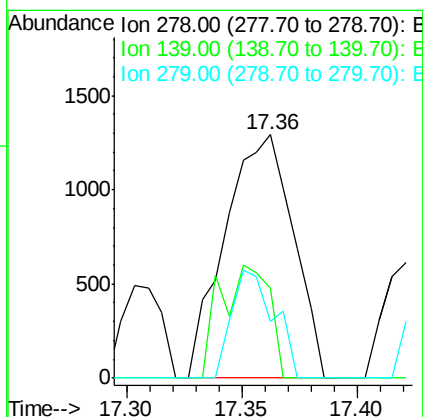
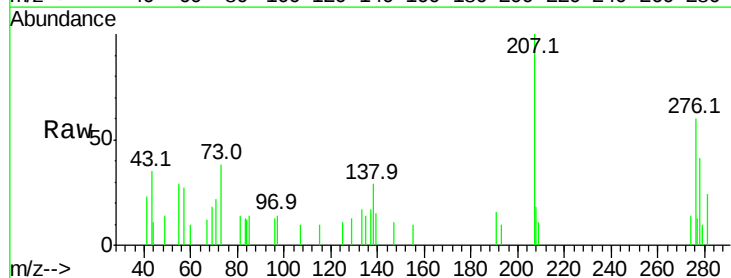
Instrument :
BNA_F
ClientSampleId :

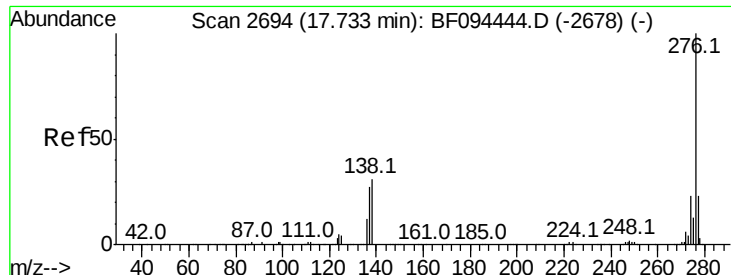
Tot Ion:252 Resp: 13726
Ion Ratio Lower Upper
252 100
253 28.1 17.5 26.3#
125 15.8 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 0.22 ng
RT: 17.36 min Scan# 2631
Delta R.T. -0.02 min
Lab File: BF094465.D
Acq: 17 Apr 2017 22:31

Tgt Ion:278 Resp: 2657
Ion Ratio Lower Upper
278 100
139 37.2 16.6 24.8#
279 23.4 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 0.78 ng

RT: 17.71 min Scan# 2690

Delta R.T. -0.02 min

Lab File: BF094465.D

Acq: 17 Apr 2017 22:31

Instrument :

BNA_F

ClientSampleId :

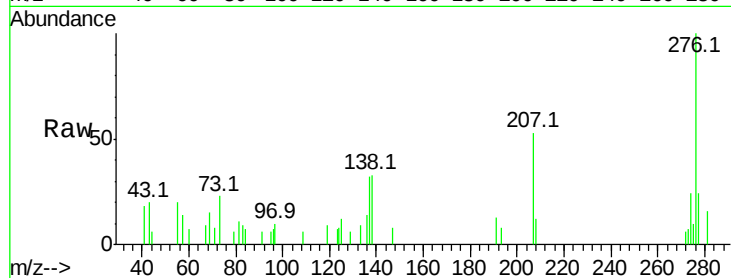
Tot Ion:276 Resp: 9679

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 32.8 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

