

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094466.D
 Acq On : 17 Apr 2017 22:59
 Operator : SJ/MA
 Sample : I2708-07 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 01:02:54 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	145400	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	605342	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	281114	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	485129	20.00	ng	0.00
75) Chrysene-d12	14.46	240	368351	20.00	ng	-0.01
86) Perylene-d12	16.08	264	252544	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.30	112	277416	31.65	ng	0.00
7) Phenol-d6	5.37	99	352592	34.13	ng	-0.02
23) Nitrobenzene-d5	6.40	82	211890	21.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	65953	29.99	ng	-0.01
44) 2-Fluorobiphenyl	8.58	172	378964	19.83	ng	0.00
78) Terphenyl-d14	13.19	244	282976	20.53	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.01	88	133	0.03	ng	# 1
6) Aniline	5.39	93	117	0.01	ng	# 1
8) 2-Chlorophenol	5.52	128	1779	0.18	ng	94
9) Benzaldehyde	5.37	77	480	0.06	ng	# 19
10) Phenol	5.39	94	15798	1.24	ng	92
11) bis(2-Chloroethyl)ether	5.50	93	252	0.03	ng	# 1
15) Benzyl Alcohol	5.93	79	3386	0.44	ng	# 50
17) 2-Methylphenol	6.08	107	15656	1.99	ng	97
19) n-Nitroso-di-n-propylamine	6.40	70	27684	4.04	ng	# 75
20) 3+4-Methylphenols	6.26	107	26444	2.48	ng	# 58
22) Acetophenone	6.23	105	316	0.02	ng	# 46
24) Nitrobenzene	6.40	77	374	0.04	ng	# 39
27) 2,4-Dimethylphenol	6.89	122	4687	0.52	ng	83
28) bis(2-Chloroethoxy)methane	7.12	93	117	0.01	ng	# 49
29) 2,4-Dichlorophenol	7.12	162	2741	0.33	ng	94
31) Naphthalene	7.28	128	45186	1.55	ng	# 86
32) Benzoic acid	7.05	122	9778	2.05	ng	# 18
33) 4-Chloroaniline	7.28	127	1858	0.15	ng	# 1
36) 4-Chloro-3-methylphenol	7.74	107	111	0.01	ng	# 14
37) 2-Methylnaphthalene	8.12	142	2180	0.11	ng	# 87
45) 1,1'-Biphenyl	8.70	154	846	0.04	ng	88
46) 2-Chloronaphthalene	8.88	162	1877	0.10	ng	# 40
47) 2-Nitroaniline	8.99	65	301	0.06	ng	# 1
48) Acenaphthylene	9.22	152	4120	0.14	ng	# 91
49) Dimethylphthalate	9.08	163	134877	6.44	ng	99
50) 2,6-Dinitrotoluene	9.08	165	1438	0.31	ng	# 25
51) Acenaphthene	9.43	154	2158	0.13	ng	# 82
54) Dibenzofuran	9.65	168	3313	0.13	ng	# 94
55) 4-Nitrophenol	9.65	139	1119	0.29	ng	# 25
56) 2,4-Dinitrotoluene	9.39	165	35574	6.17	ng	# 33
57) Fluorene	10.06	166	4062	0.21	ng	# 98
59) Diethylphthalate	9.95	149	519	0.03	ng	# 60
62) Azobenzene	10.27	77	120	0.01	ng	# 1
65) n-Nitrosodiphenylamine	10.36	169	2555	0.15	ng	# 40

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

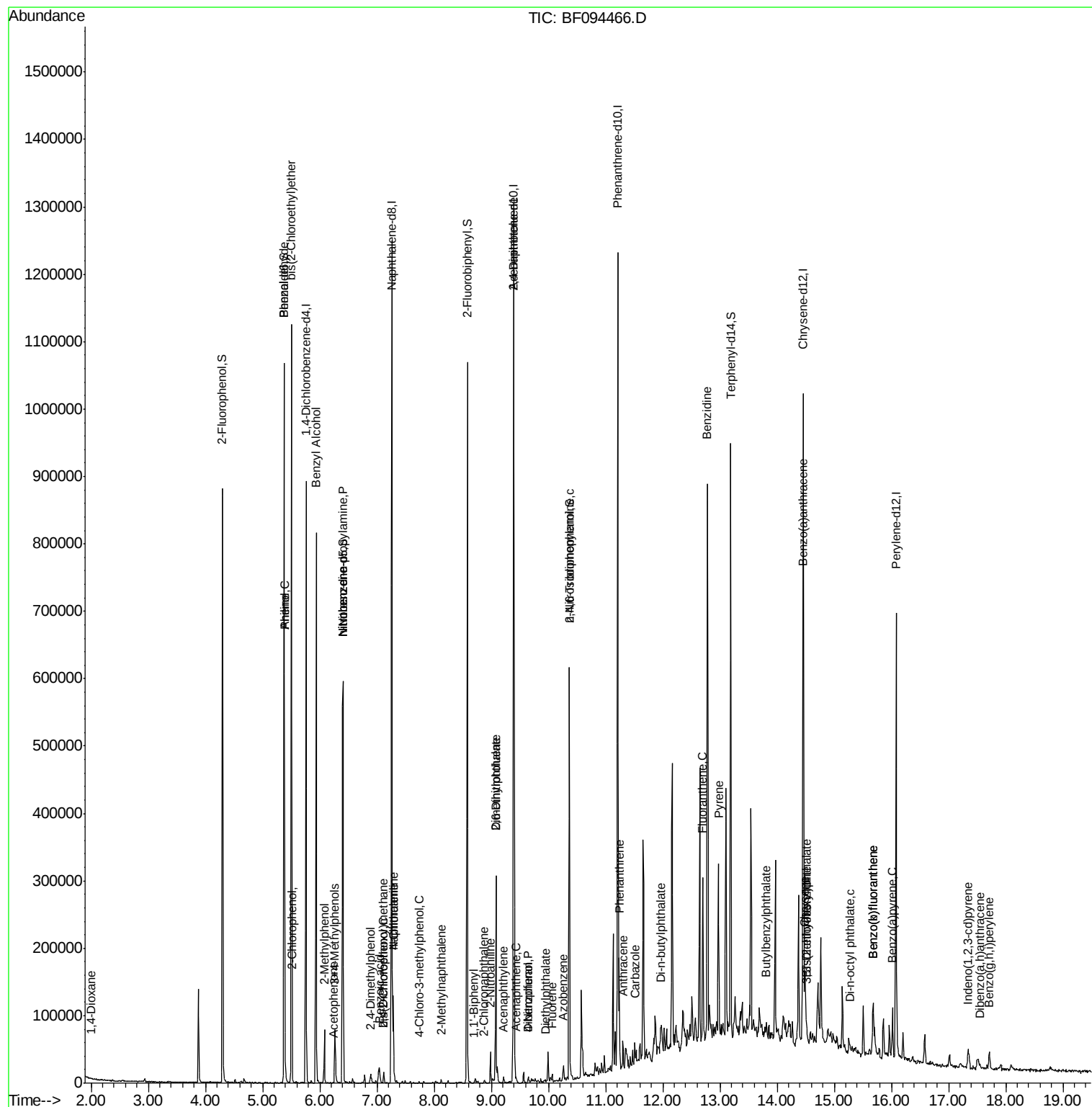
70) Phenanthrene	11.24	178	60644	2.22	ng	95
71) Anthracene	11.30	178	12212	0.43	ng	98
72) Carbazole	11.51	167	5798	0.22	ng	# 91
73) Di-n-butylphthalate	11.97	149	1916	0.07	ng	# 78
74) Fluoranthene	12.70	202	105814	3.74	ng	99
76) Benzidine	12.78	184	324	0.02	ng	# 1
77) Pyrene	12.97	202	102064	3.97	ng	98
79) Butylbenzylphthalate	13.80	149	822	0.07	ng	# 19
80) Benzo(a)anthracene	14.44	228	40349	1.88	ng	97
81) 3,3'-Dichlorobenzidine	14.53	252	545	0.07	ng	# 19
82) Chrysene	14.49	228	41893	2.14	ng	95
83) Bis(2-ethylhexyl)phthalate	14.52	149	2121	0.14	ng	# 77
84) Di-n-octyl phthalate	15.29	149	677	0.03	ng	# 75
85) Indeno(1,2,3-cd)pyrene	17.34	276	17058	0.92	ng	95
87) Benzo(b)fluoranthene	15.68	252	53215	3.44	ng	# 93
88) Benzo(k)fluoranthene	15.68	252	53215	3.64	ng	97
89) Benzo(a)pyrene	16.02	252	28949	2.01	ng	97
90) Dibenzo(a,h)anthracene	17.54	278	3574	0.30	ng	98
91) Benzo(g,h,i)perylene	17.71	276	17520	1.44	ng	96

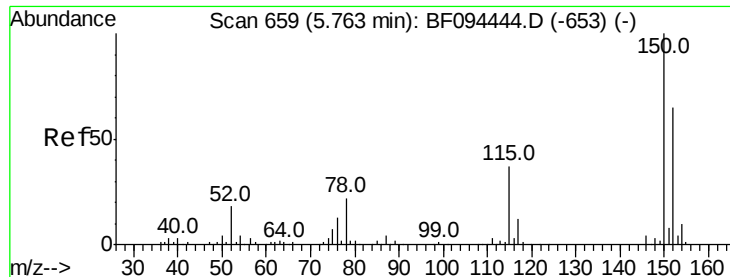
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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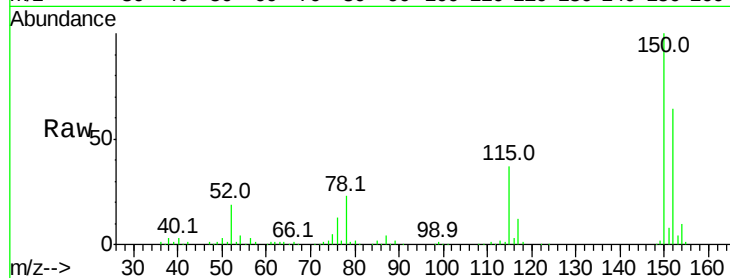


#1

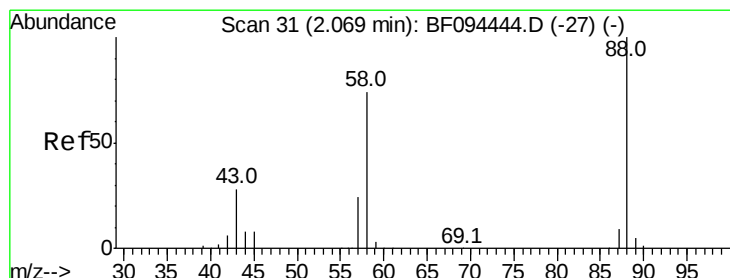
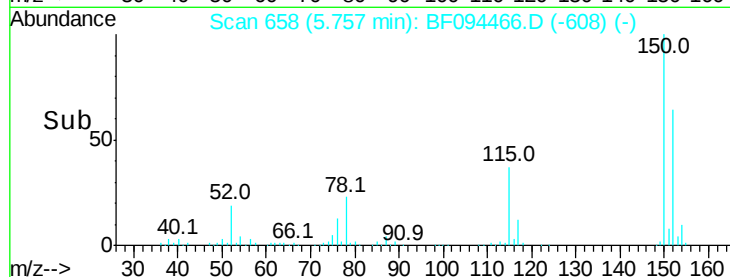
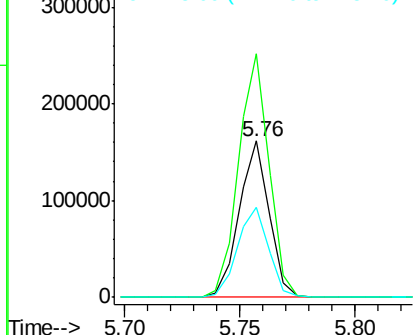
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145400
Ion Ratio Lower Upper
152 100
150 156.0 126.2 189.2
115 57.3 52.2 78.2



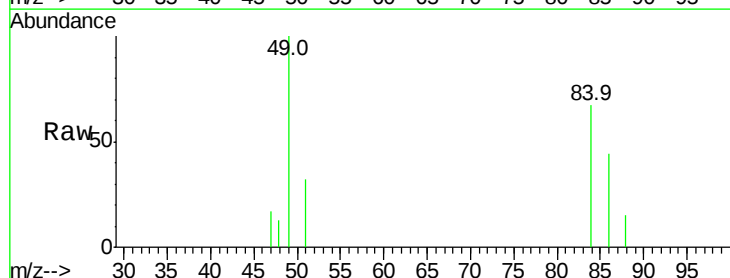
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



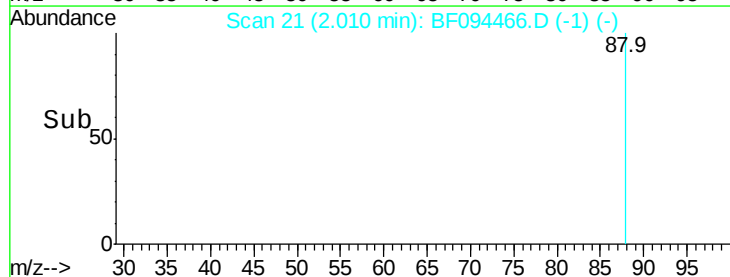
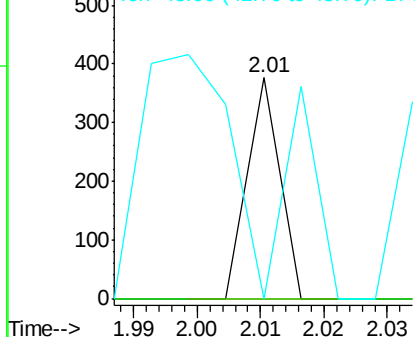
#2

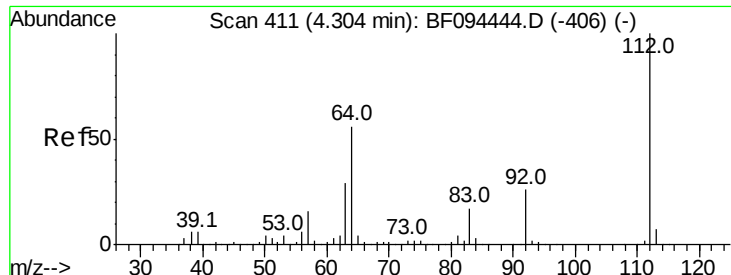
1,4-Dioxane
Concen: 0.03 ng
RT: 2.01 min Scan# 21
Delta R.T. -0.06 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Tgt Ion: 88 Resp: 133
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 400.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 31.65 ng

RT: 4.30 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampleId :

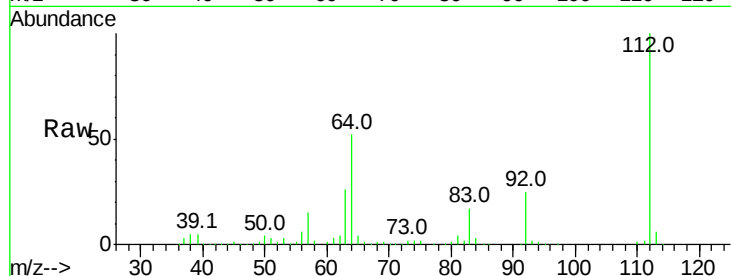
Tot Ion:112 Resp: 277416

Ion Ratio Lower Upper

112 100

64 52.2 46.0 69.0

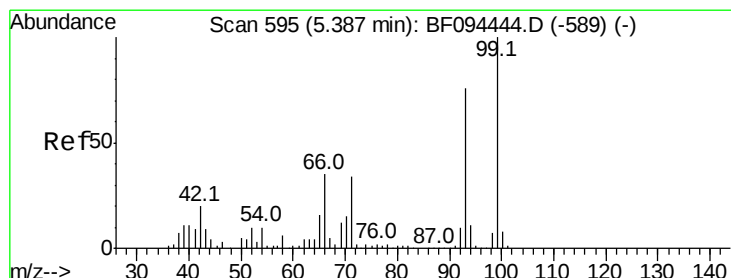
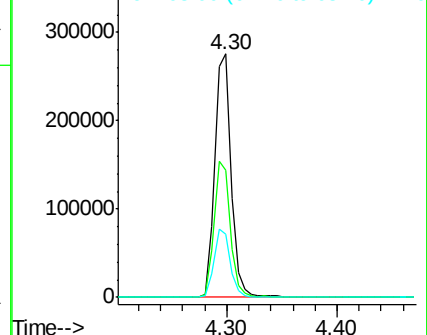
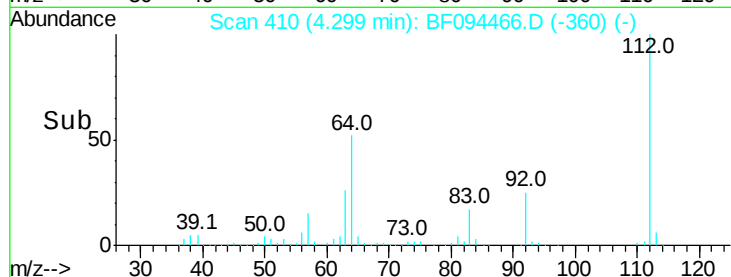
63 26.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.01 ng

RT: 5.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

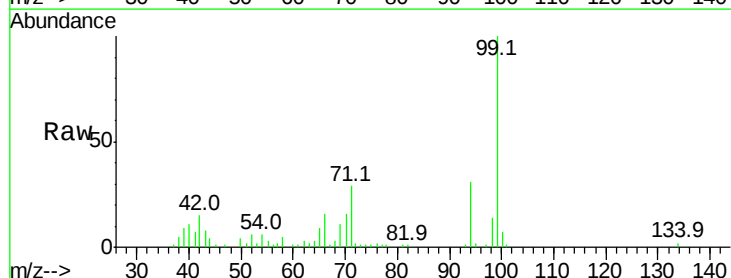
Tgt Ion: 93 Resp: 117

Ion Ratio Lower Upper

93 100

66 2278.5 32.9 49.3#

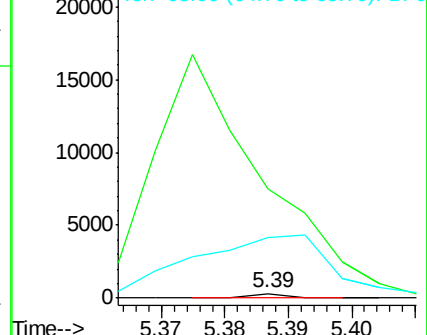
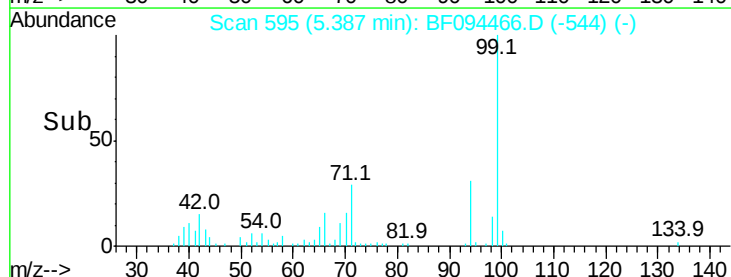
65 1269.8 16.0 24.0#

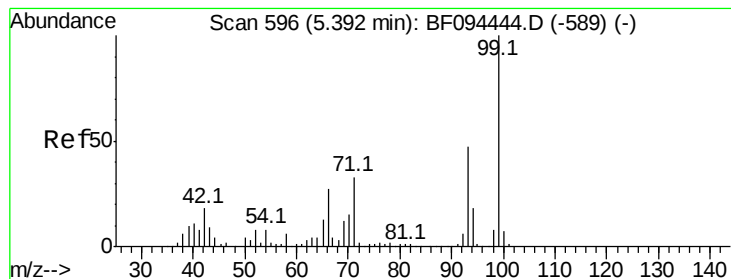


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 34.13 ng

RT: 5.37 min Scan# 593

Delta R.T. -0.02 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampleId :

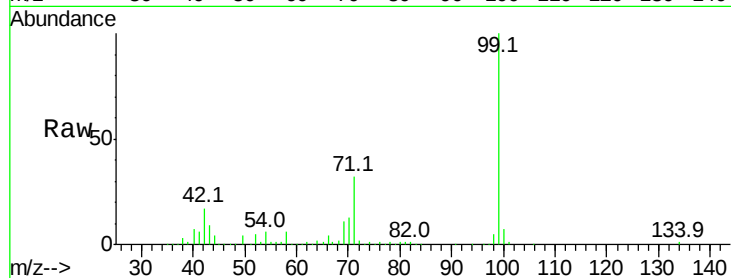
Tot Ion: 99 Resp: 352592

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

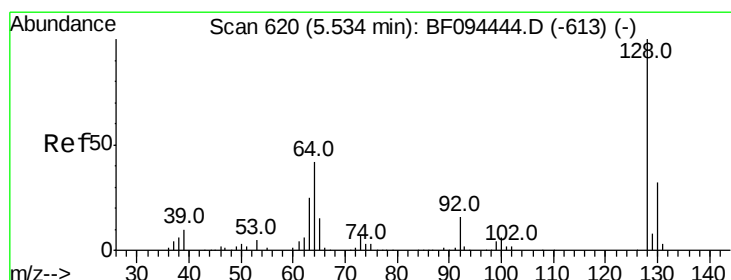
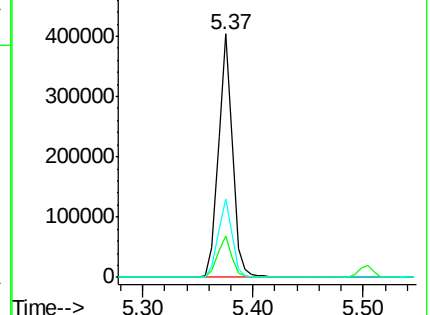
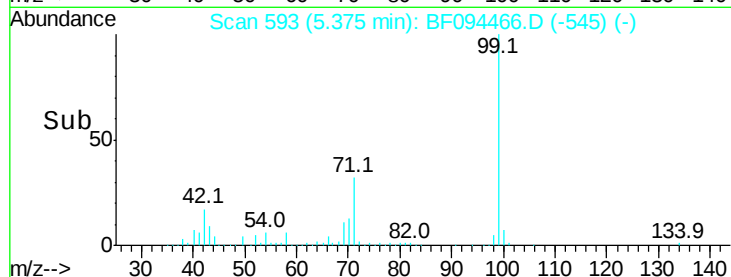
71 32.3 24.5 36.7



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



#8

2-Chlorophenol

Concen: 0.18 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

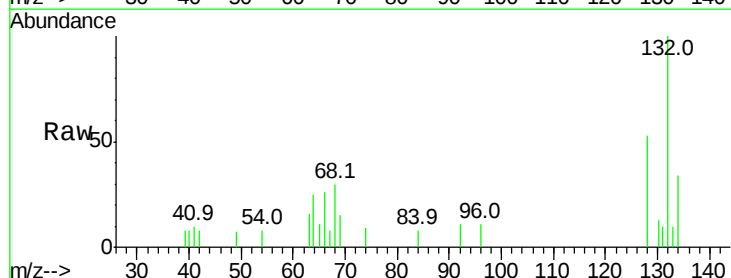
Tgt Ion: 128 Resp: 1779

Ion Ratio Lower Upper

128 100

130 24.5 12.9 52.9

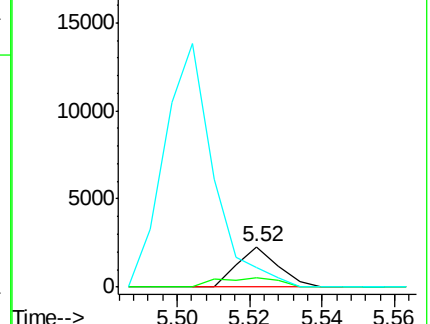
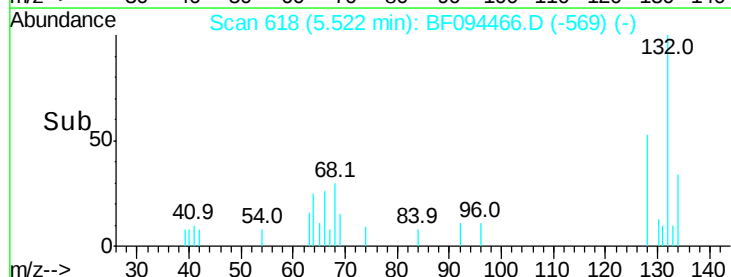
64 48.4 28.4 68.4

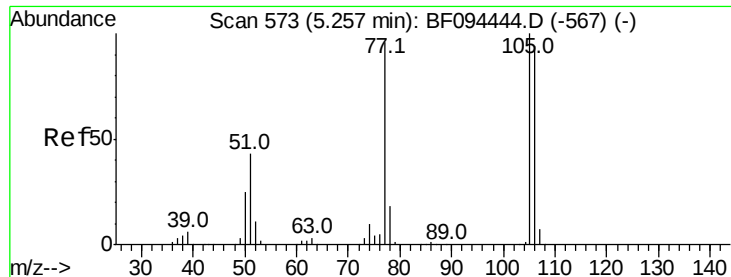


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 0.06 ng

RT: 5.37 min Scan# 593

Delta R.T. 0.12 min

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ClientSampleId :

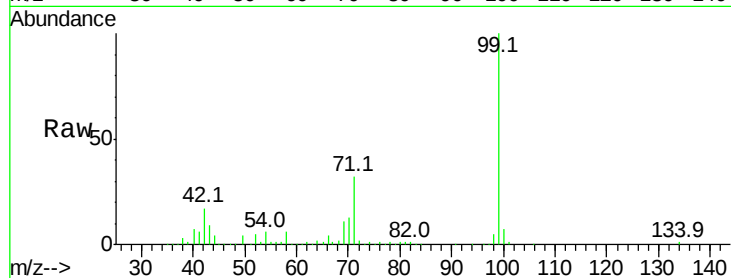
Tot Ion: 77 Resp: 480

Ion Ratio Lower Upper

77 100

105 0.0 83.8 123.8#

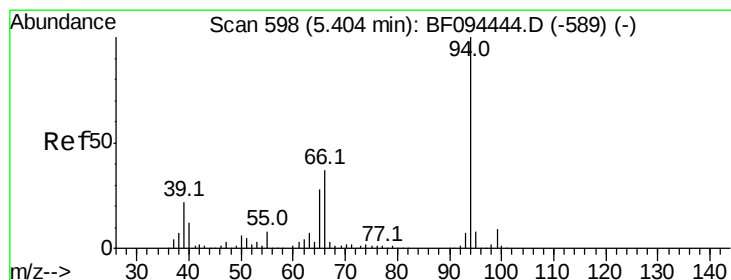
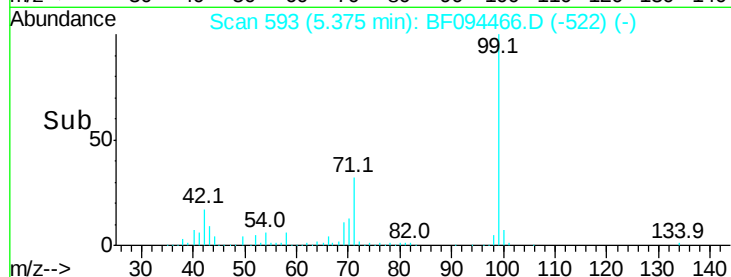
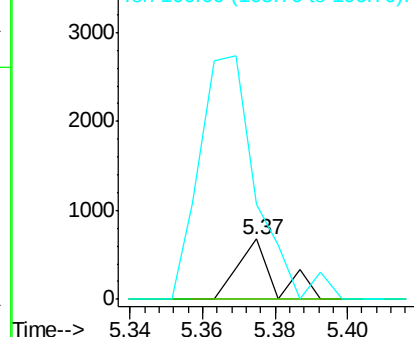
106 157.7 79.1 119.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 1.24 ng

RT: 5.39 min Scan# 595

Delta R.T. -0.02 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

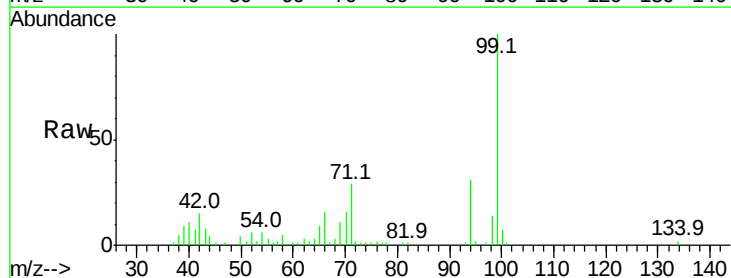
Tgt Ion: 94 Resp: 15798

Ion Ratio Lower Upper

94 100

65 28.3 9.9 49.9

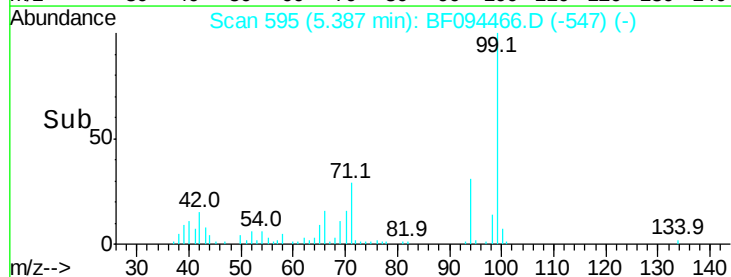
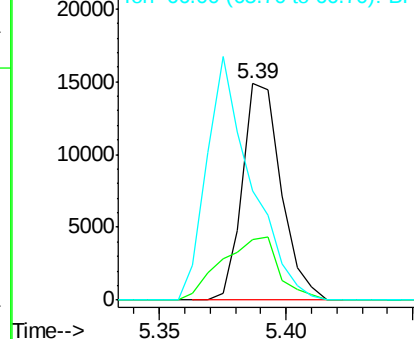
66 50.7 23.1 63.1

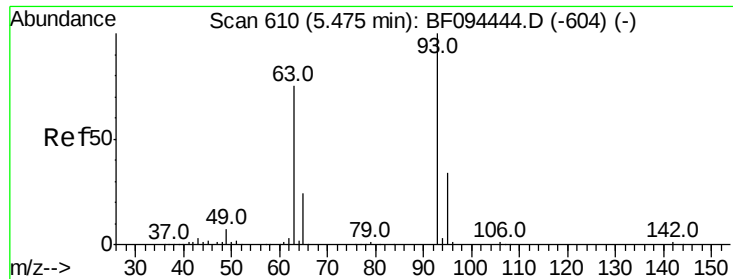


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

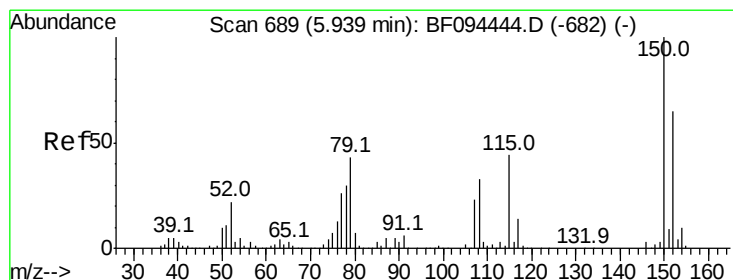
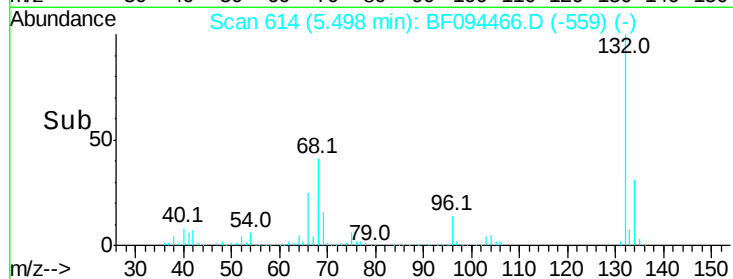
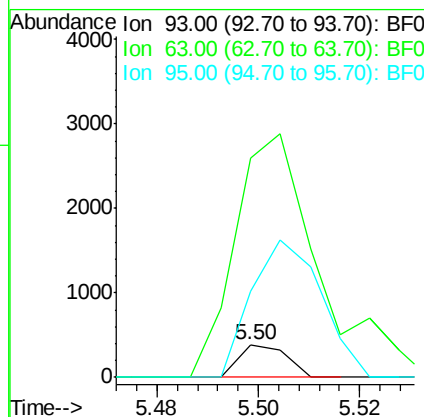
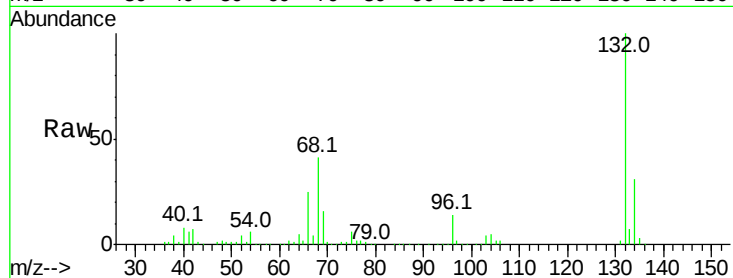




#11
 bis(2-Chloroethyl)ether
 Concen: 0.03 ng
 RT: 5.50 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: BF094466.D
 Acq: 17 Apr 2017 22:59

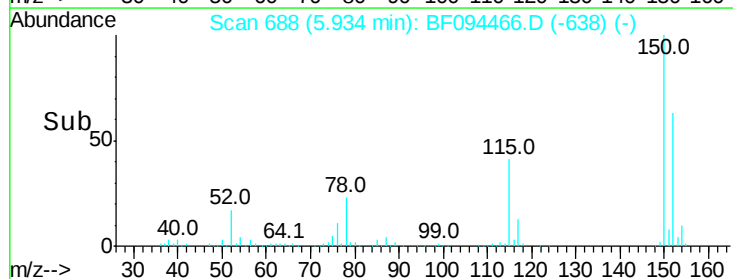
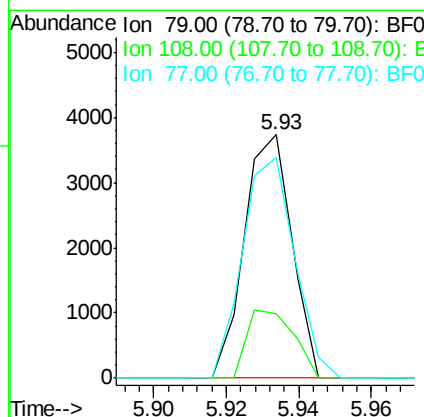
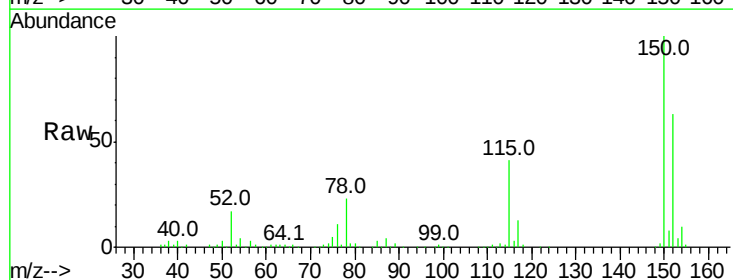
Instrument :
 BNA_F
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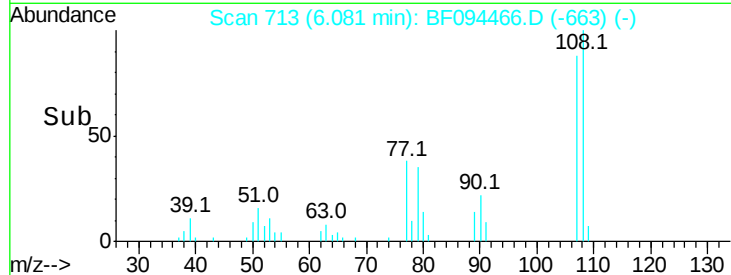
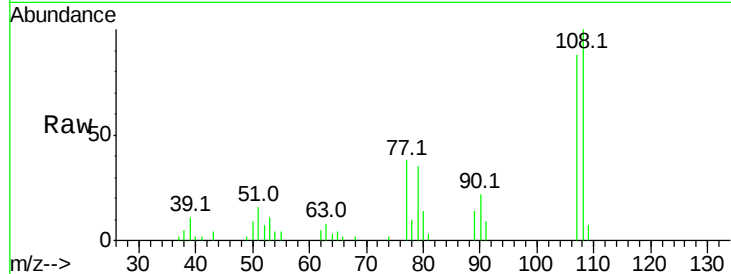
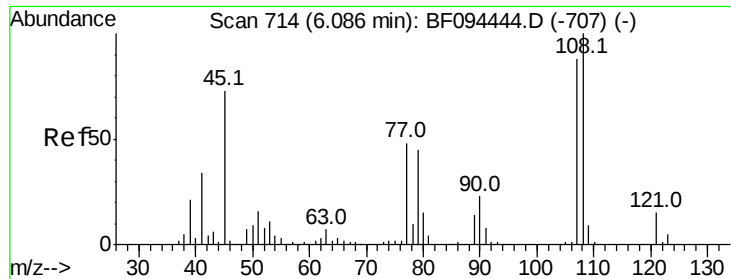
Tot Ion: 93 Resp: 252
 Ion Ratio Lower Upper
 93 100
 63 669.2 59.2 99.2#
 95 260.9 12.8 52.8#



#15
 Benzyl Alcohol
 Concen: 0.44 ng
 RT: 5.93 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: BF094466.D
 Acq: 17 Apr 2017 22:59

Tgt Ion: 79 Resp: 3386
 Ion Ratio Lower Upper
 79 100
 108 26.6 63.4 95.0#
 77 90.7 49.2 73.8#

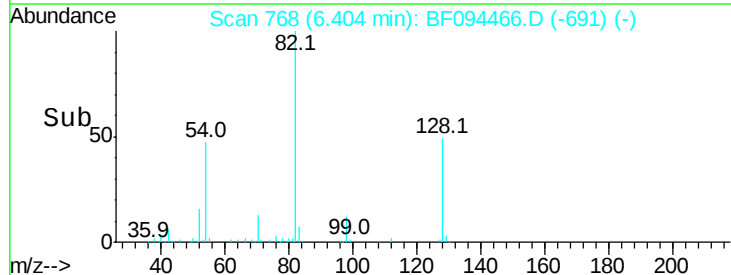
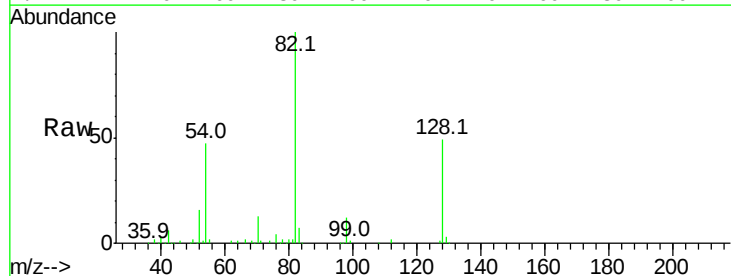
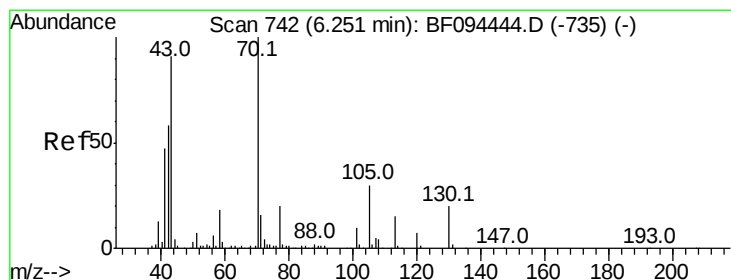
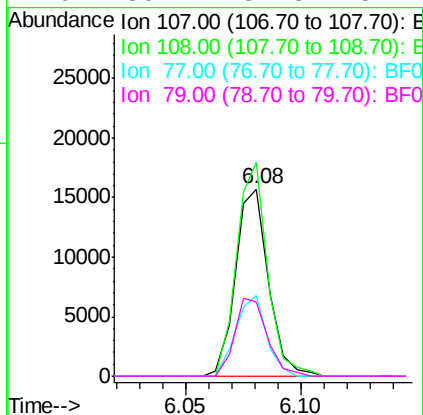




#17
2-Methylphenol
Concen: 1.99 ng
RT: 6.08 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

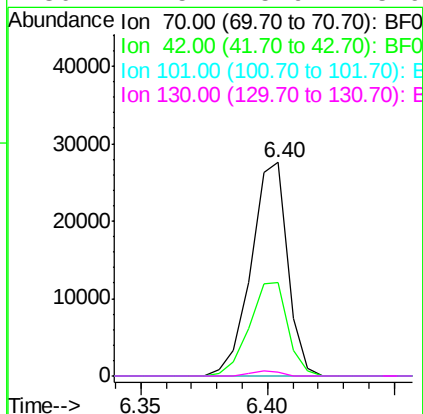
Instrument :
BNA_F
ClientSampled :

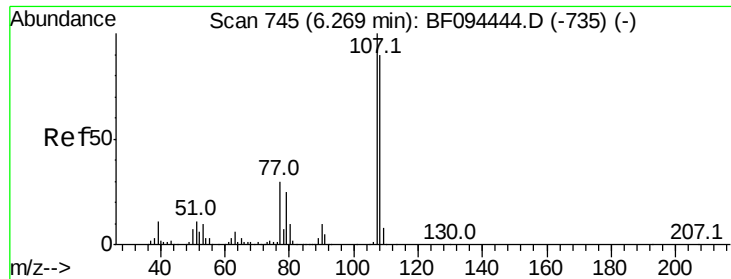
Tot Ion:107 Resp: 15656
Ion Ratio Lower Upper
107 100
108 113.9 93.4 140.0
77 43.2 35.8 53.6
79 39.7 34.8 52.2



#19
n-Nitroso-di-n-propylamine
Concen: 4.04 ng
RT: 6.40 min Scan# 768
Delta R.T. 0.15 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Tgt Ion: 70 Resp: 27684
Ion Ratio Lower Upper
70 100
42 43.8 47.2 70.8#
101 0.0 7.2 10.8#
130 1.5 15.9 23.9#





#20

3+4-Methylphenols

Concen: 2.48 ng

RT: 6.26 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF094466.D

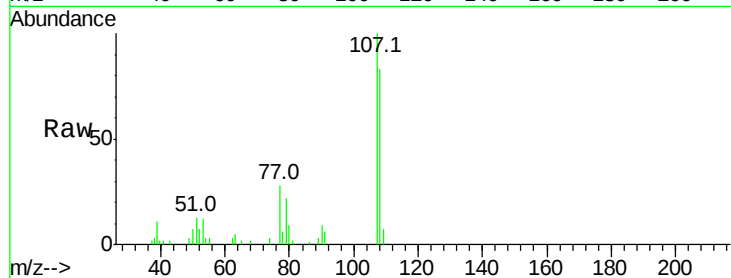
Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	26444
Ion	Ratio	Lower	Upper
107	100		
108	82.7	71.0	111.0
77	28.5	90.5	130.5#
79	21.8	8.4	48.4

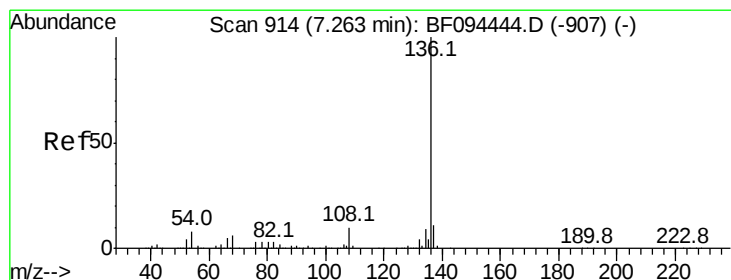
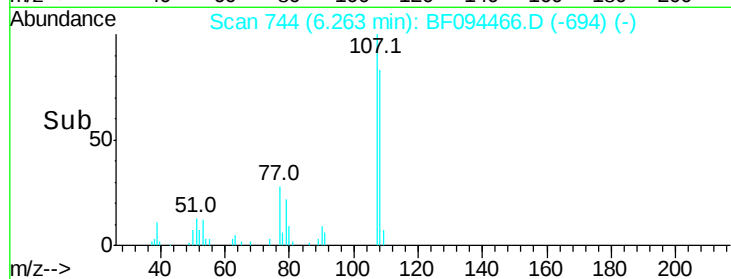
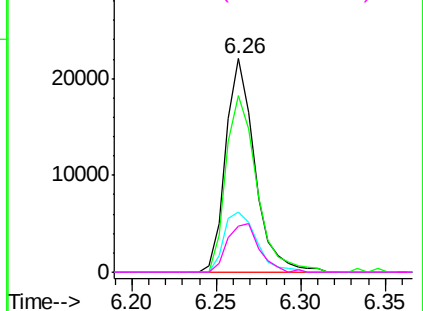


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

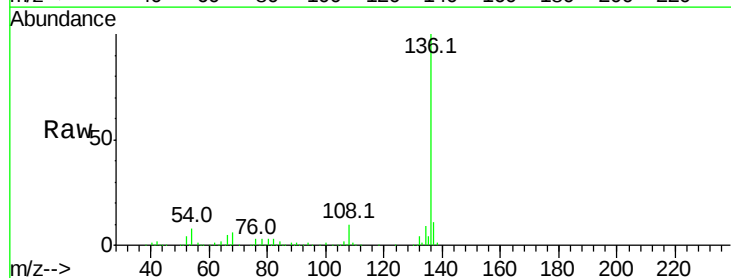
RT: 7.26 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Tgt Ion:	136	Resp:	605342
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	7.7	4.9	7.3#
68	5.8	4.1	6.1

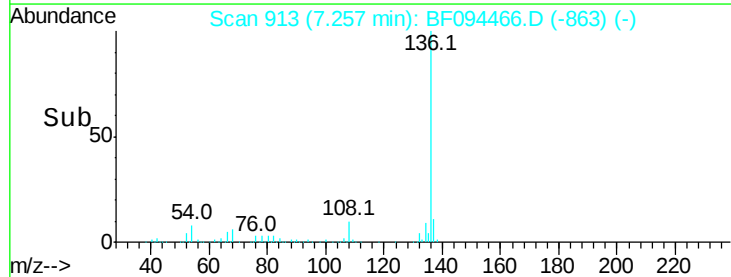
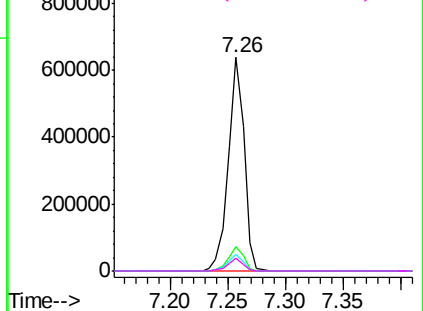


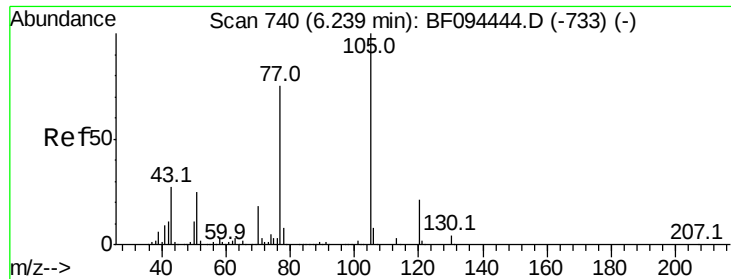
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 0.02 ng

RT: 6.23 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 316

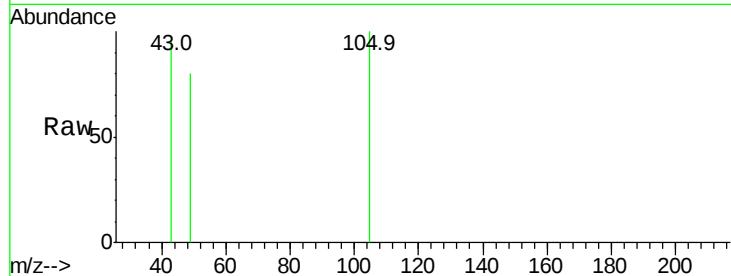
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 0.0 30.7 46.1#

120 0.0 17.4 26.0#

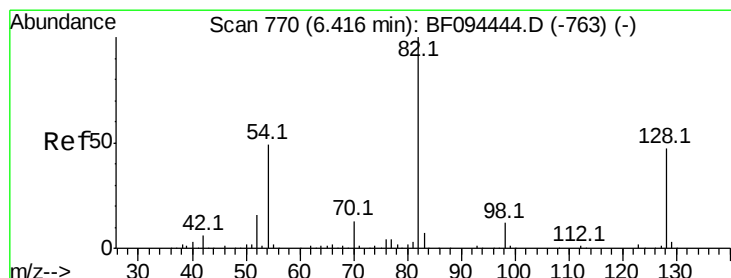
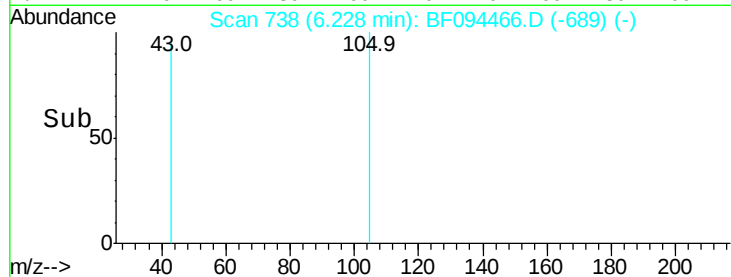
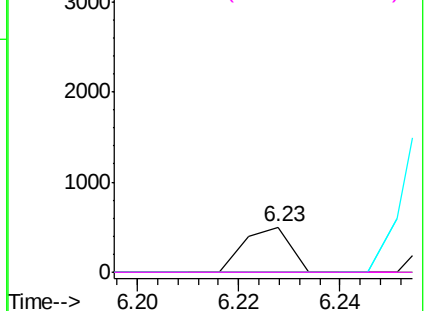


Abundance Ion 105.00 (104.70 to 105.70): E

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



#23

Nitrobenzene-d5

Concen: 21.61 ng

RT: 6.40 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

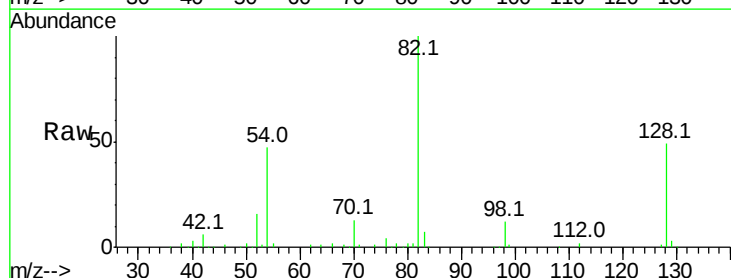
Tgt Ion: 82 Resp: 211890

Ion Ratio Lower Upper

82 100

128 48.8 34.0 51.0

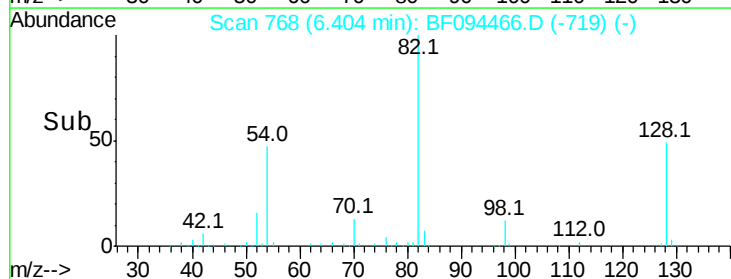
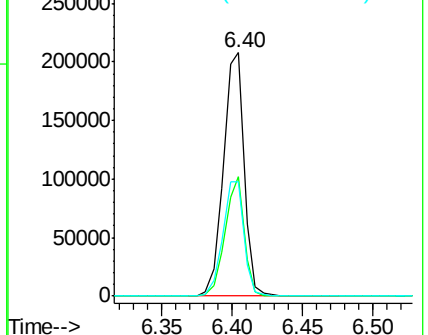
54 47.1 42.2 63.2

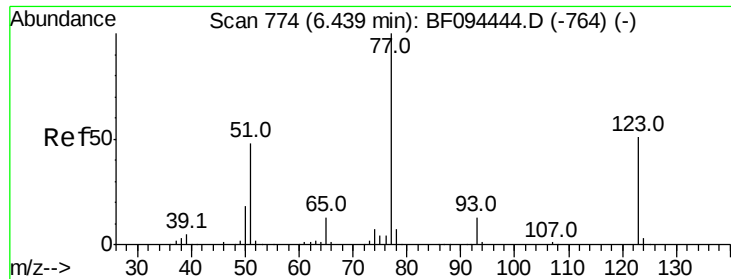


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

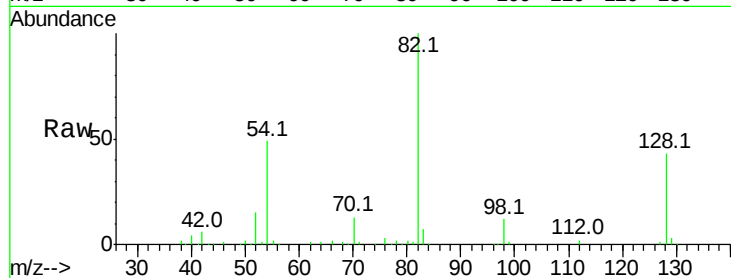




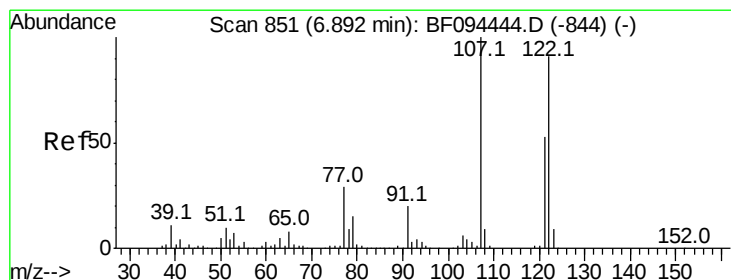
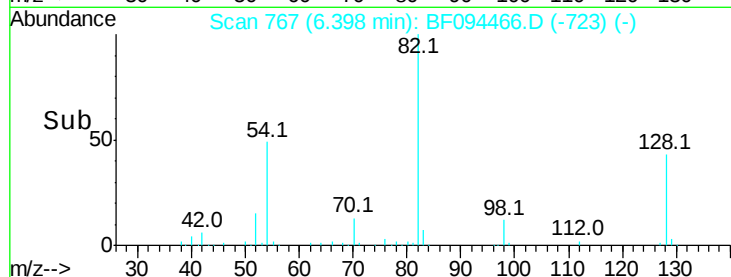
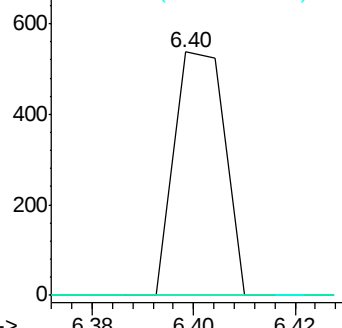
#24
Nitrobenzene
Concen: 0.04 ng
RT: 6.40 min Scan# 767
Delta R.T. -0.04 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 374
Ion Ratio Lower Upper
77 100
123 0.0 35.8 53.8#
65 0.0 10.6 15.8#

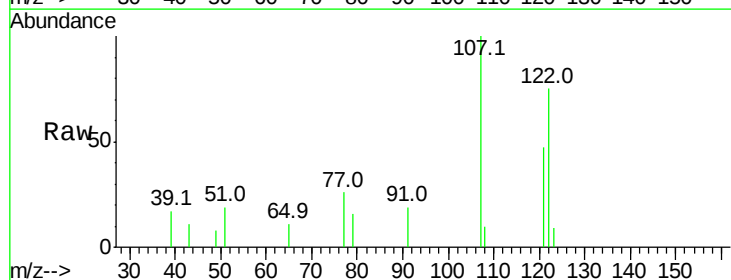


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BF0

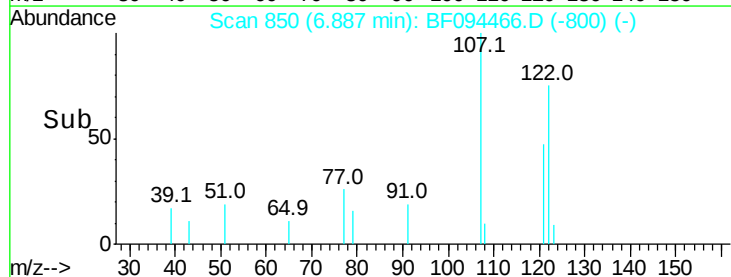
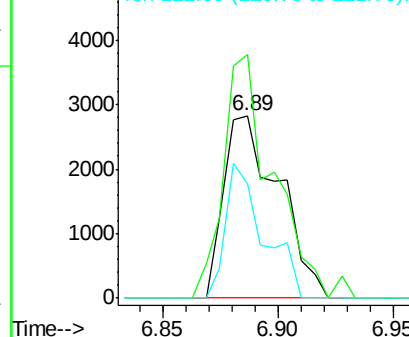


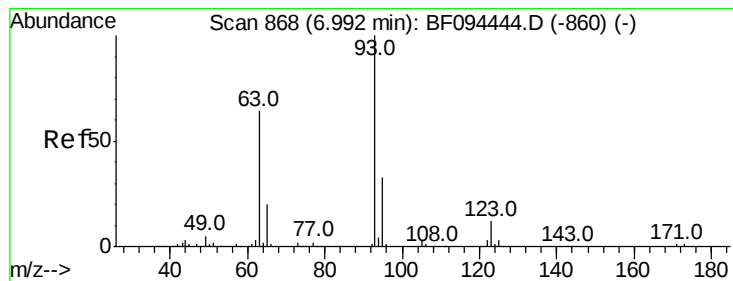
#27
2,4-Dimethylphenol
Concen: 0.52 ng
RT: 6.89 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Tgt Ion:122 Resp: 4687
Ion Ratio Lower Upper
122 100
107 133.3 89.2 133.8
121 62.8 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#28

bis(2-Chloroethoxy)methane

Concen: 0.01 ng

RT: 7.12 min Scan# 890

Delta R.T. 0.13 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampleId :

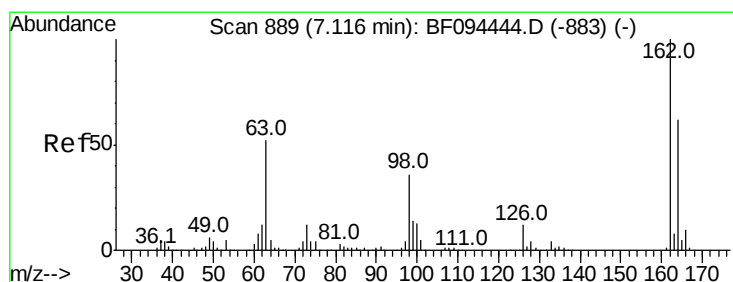
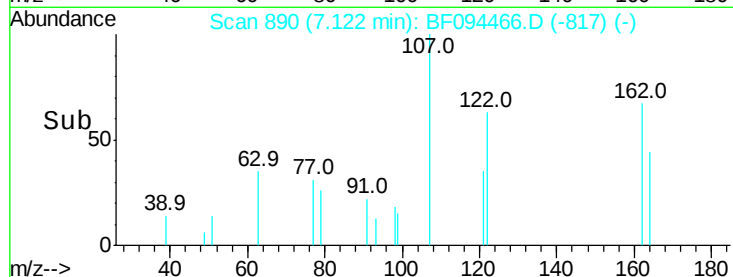
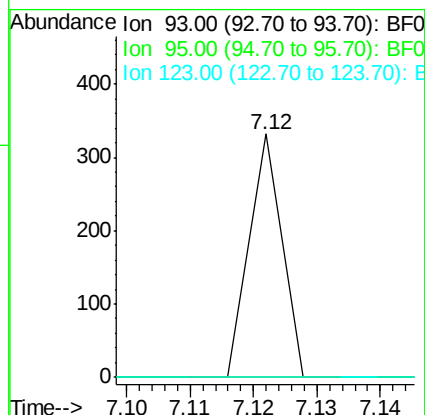
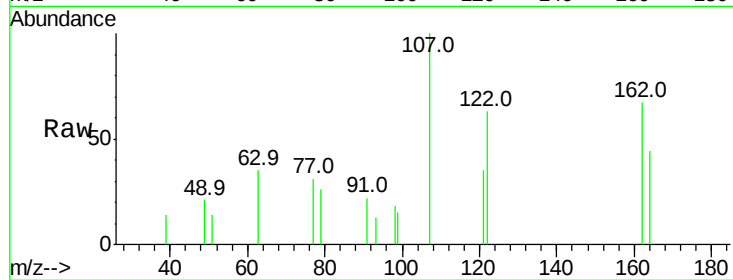
Tot Ion: 93 Resp: 117

Ion Ratio Lower Upper

93 100

95 0.0 26.5 39.7#

123 0.0 9.0 13.4#



#29

2,4-Dichlorophenol

Concen: 0.33 ng

RT: 7.12 min Scan# 889

Delta R.T. 0.00 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

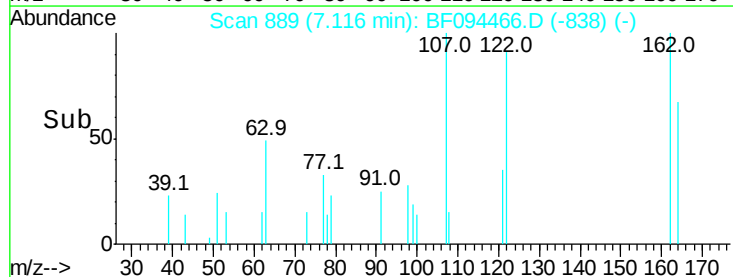
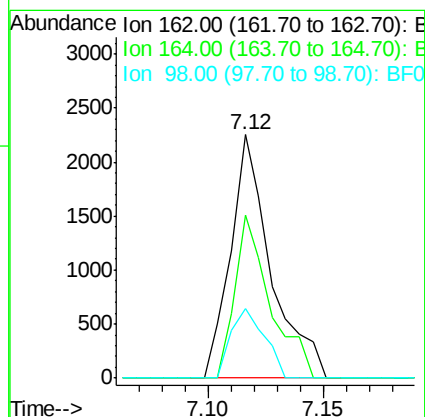
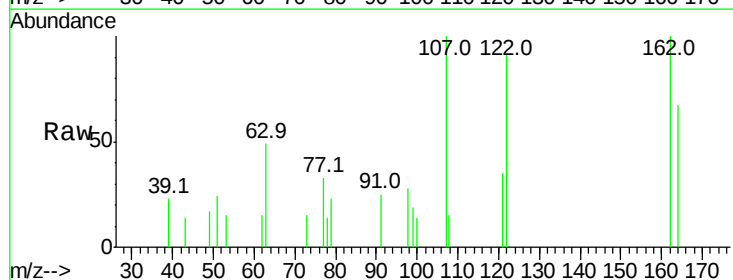
Tgt Ion:162 Resp: 2741

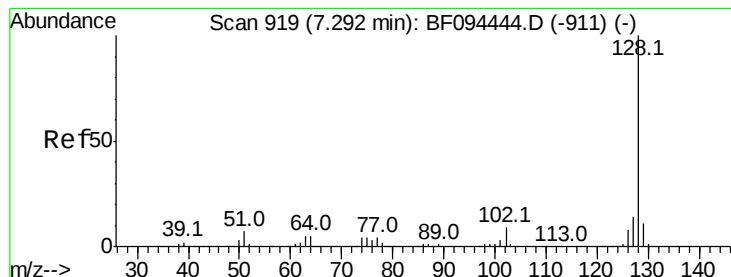
Ion Ratio Lower Upper

162 100

164 67.1 44.6 84.6

98 28.4 14.8 54.8





#31

Naphthalene

Concen: 1.55 ng

RT: 7.28 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampleId :

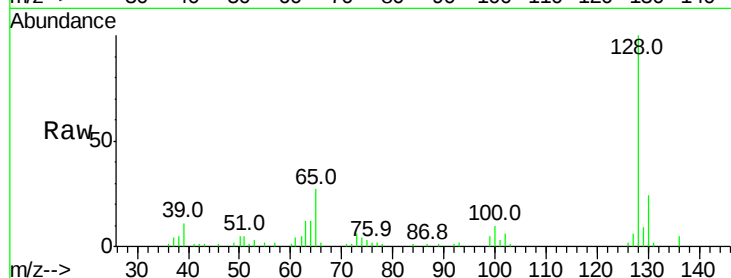
Tot Ion:128 Resp: 45186

Ion Ratio Lower Upper

128 100

129 8.7 9.0 13.6#

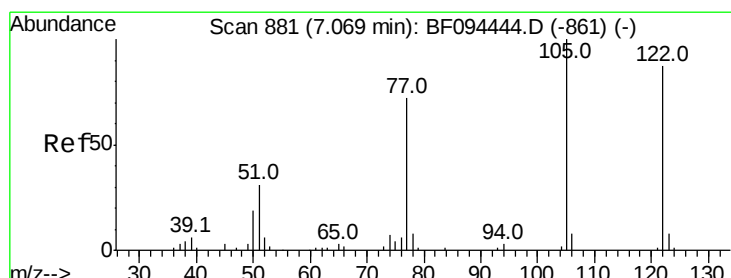
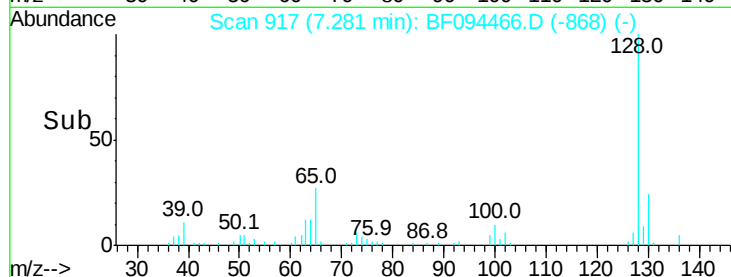
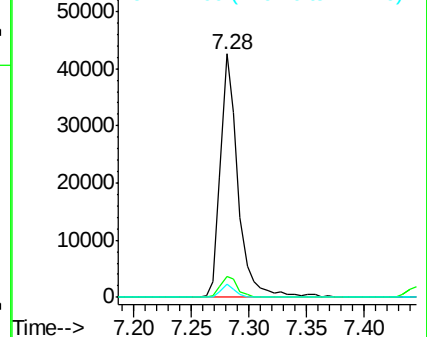
127 5.6 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.05 ng

RT: 7.05 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

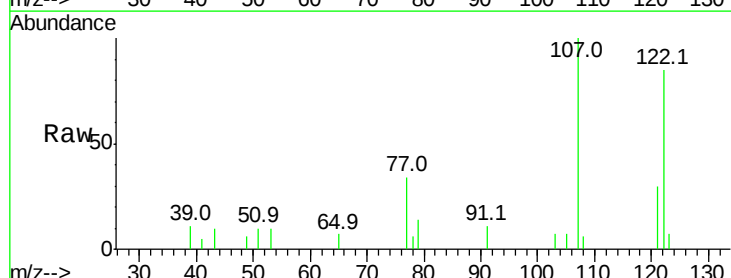
Tgt Ion:122 Resp: 9778

Ion Ratio Lower Upper

122 100

105 8.3 103.3 143.3#

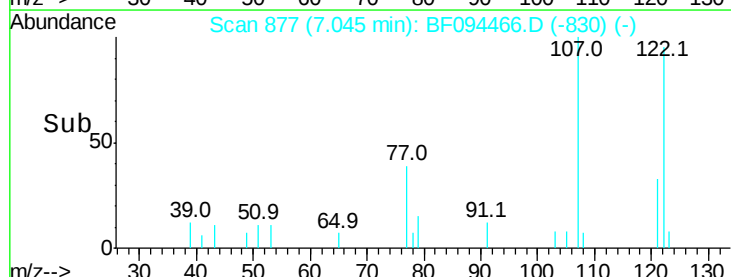
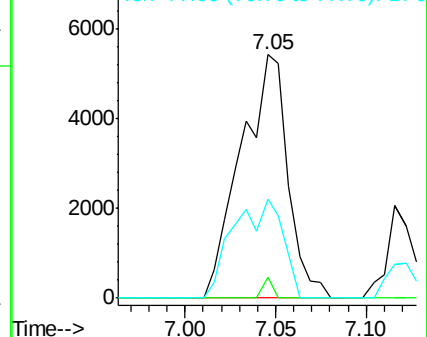
77 40.6 73.7 113.7#

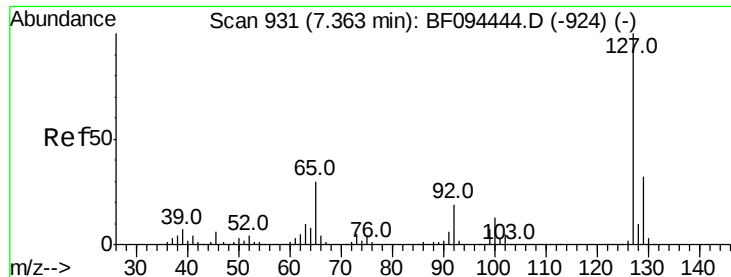


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

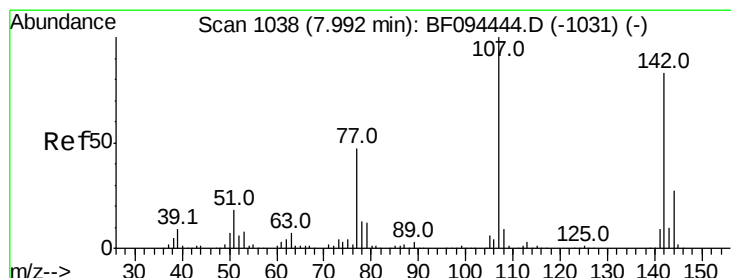
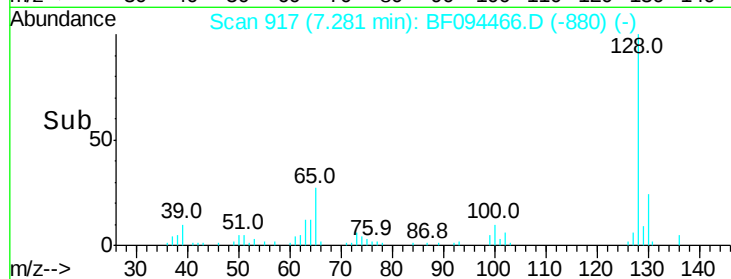
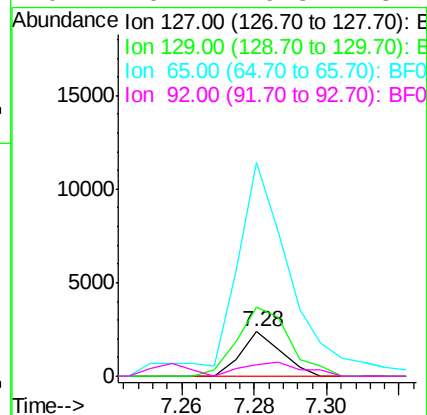
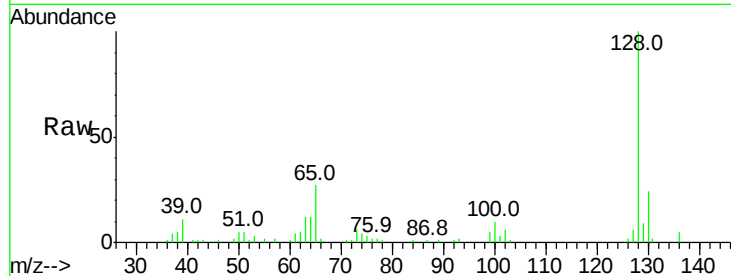




#33
 4-Chloroaniline
 Concen: 0.15 ng
 RT: 7.28 min Scan# 917
 Delta R.T. -0.08 min
 Lab File: BF094466.D
 Acq: 17 Apr 2017 22:59

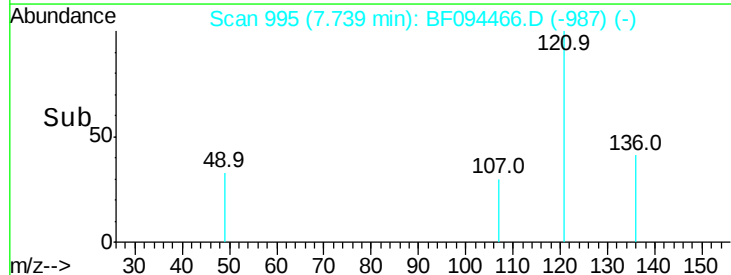
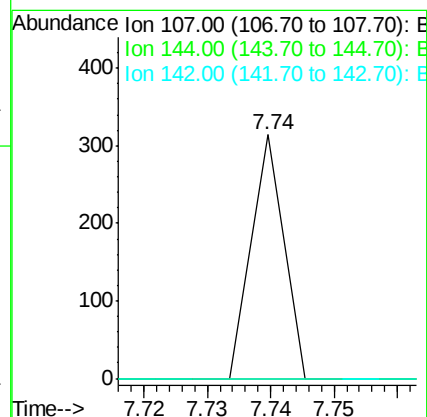
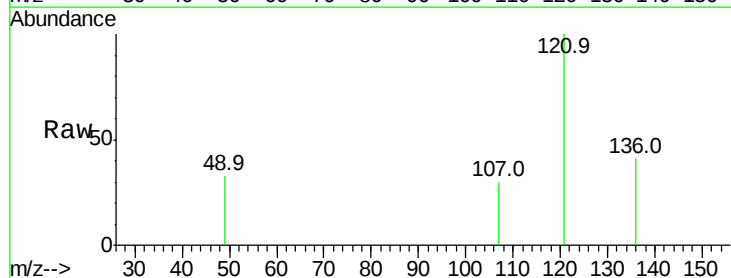
Instrument :
 BNA_F
 ClientSampleId :

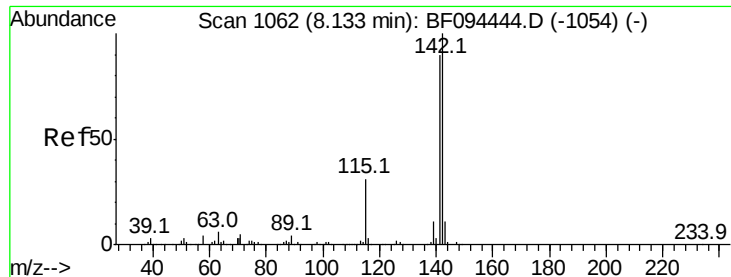
Tot Ion:	127	Resp:	1858
Ion	Ratio	Lower	Upper
127	100		
129	156.0	26.2	39.2#
65	478.5	27.8	41.8#
92	26.7	16.8	25.2#



#36
 4-Chloro-3-methylphenol
 Concen: 0.01 ng
 RT: 7.74 min Scan# 995
 Delta R.T. -0.25 min
 Lab File: BF094466.D
 Acq: 17 Apr 2017 22:59

Tgt Ion:	107	Resp:	111
Ion	Ratio	Lower	Upper
107	100		
144	0.0	24.2	36.4#
142	0.0	73.4	110.0#

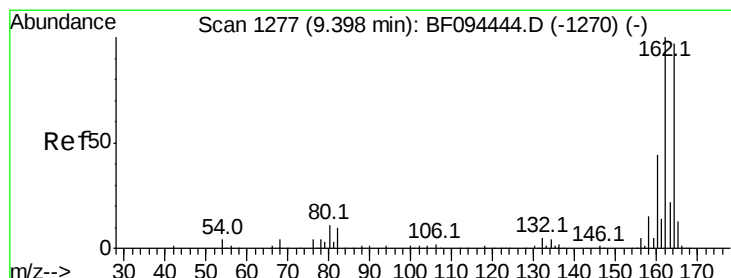
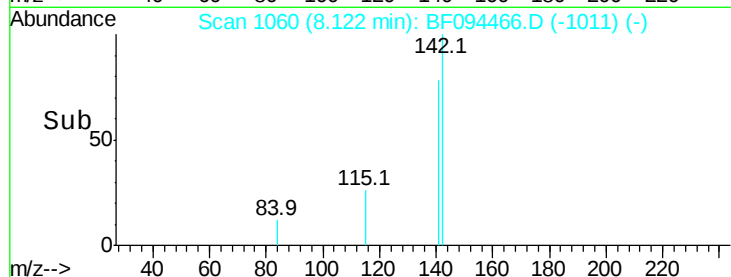
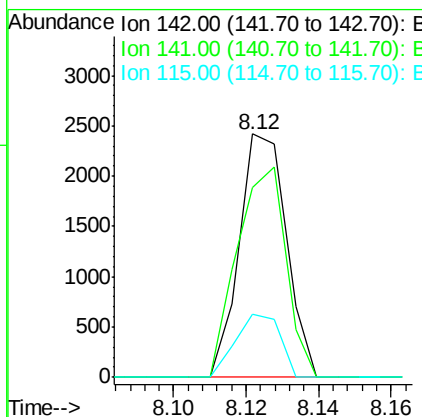
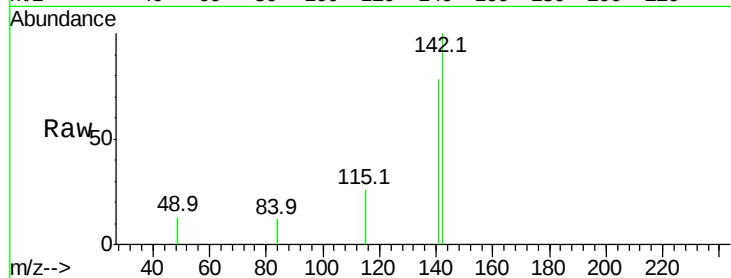




#37
 2-Methylnaphthalene
 Concen: 0.11 ng
 RT: 8.12 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: BF094466.D
 Acq: 17 Apr 2017 22:59

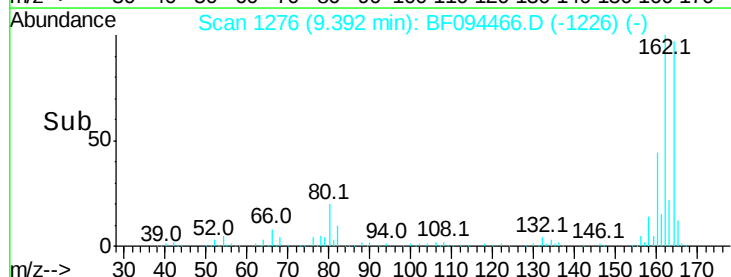
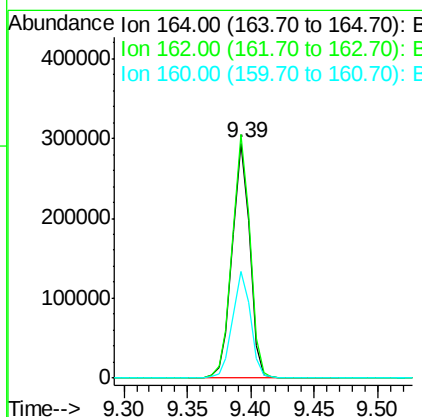
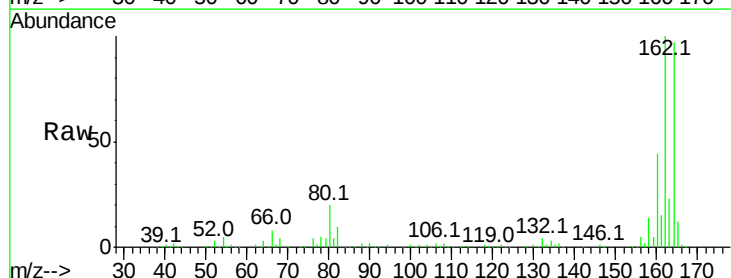
Instrument :
 BNA_F
 ClientSampleId :

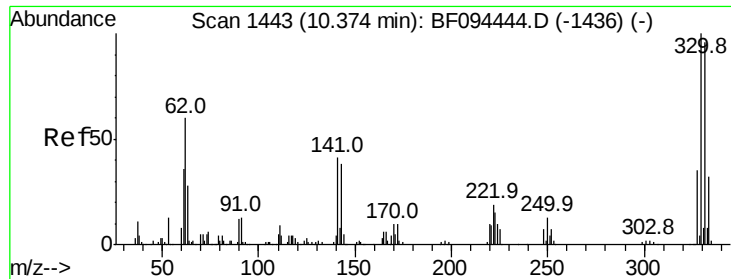
Tot Ion:142 Resp: 2180
 Ion Ratio Lower Upper
 142 100
 141 77.7 71.3 106.9
 115 25.9 27.1 40.7#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF094466.D
 Acq: 17 Apr 2017 22:59

Tgt Ion:164 Resp: 281114
 Ion Ratio Lower Upper
 164 100
 162 103.6 82.6 123.8
 160 45.6 36.2 54.2

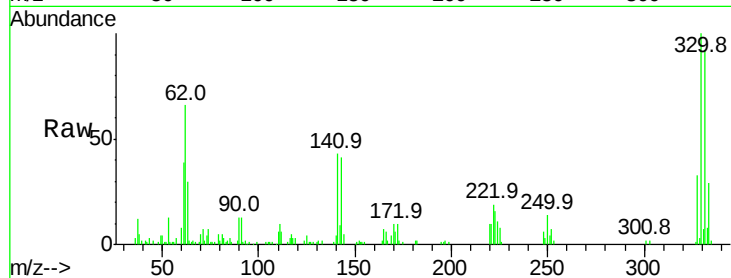




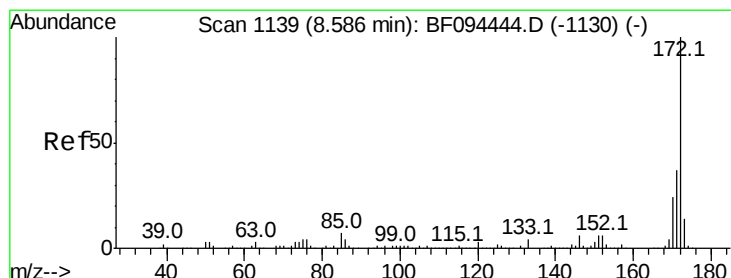
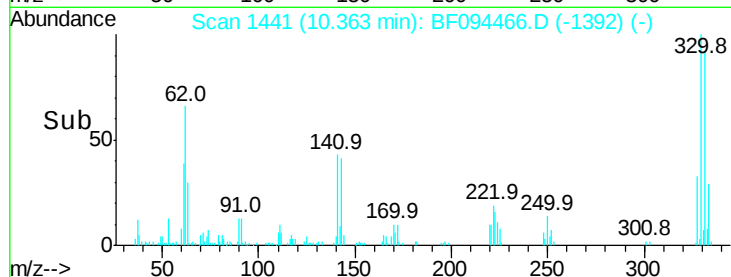
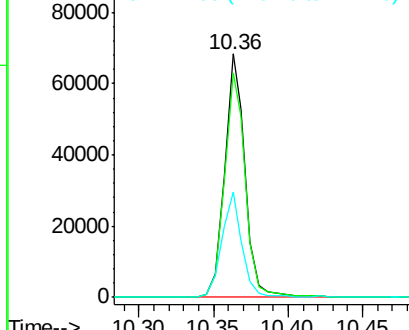
#41
 2,4,6-Tribromophenol
 Concen: 29.99 ng
 RT: 10.36 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF094466.D
 Acq: 17 Apr 2017 22:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.6	115.0
141	42.5	31.4	47.2

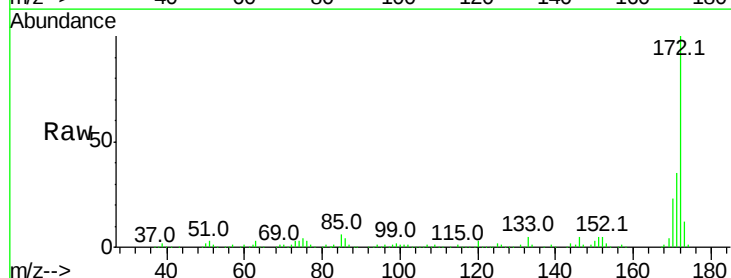


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

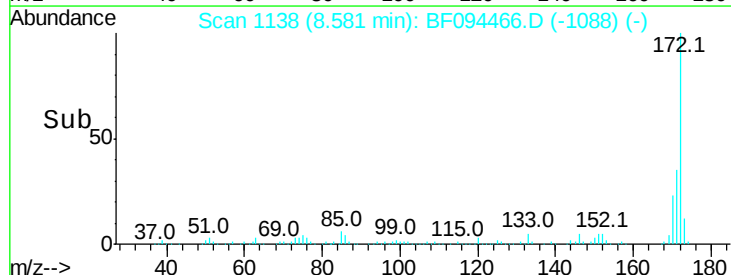
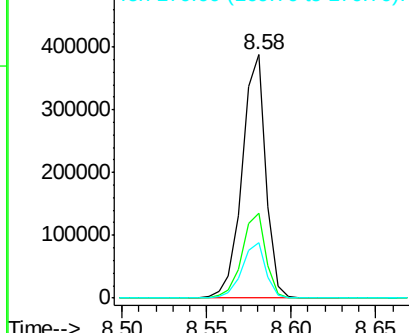


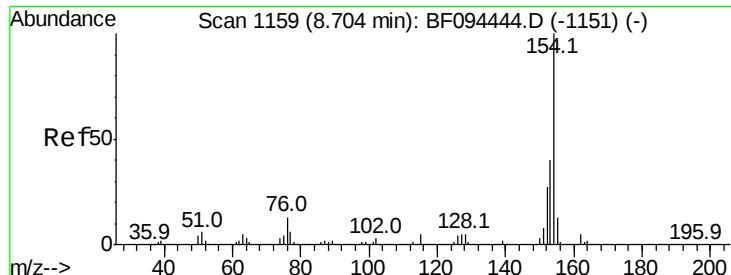
#44
 2-Fluorobiphenyl
 Concen: 19.83 ng
 RT: 8.58 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BF094466.D
 Acq: 17 Apr 2017 22:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	22.7	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: 0.04 ng

RT: 8.70 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampleId :

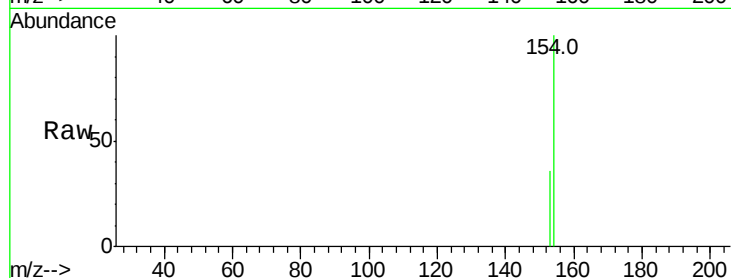
Tot Ion:154 Resp: 846

Ion Ratio Lower Upper

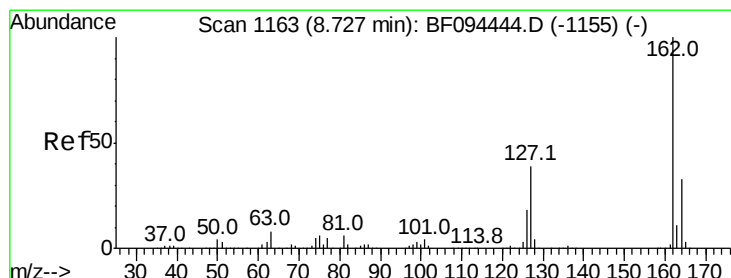
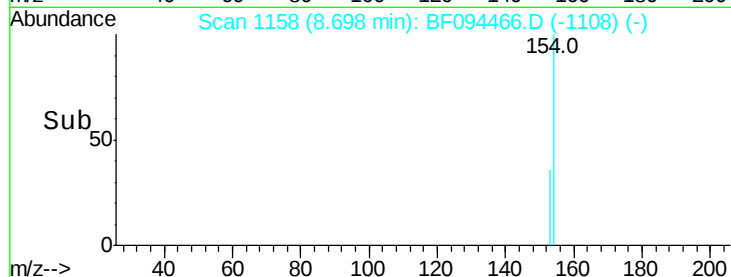
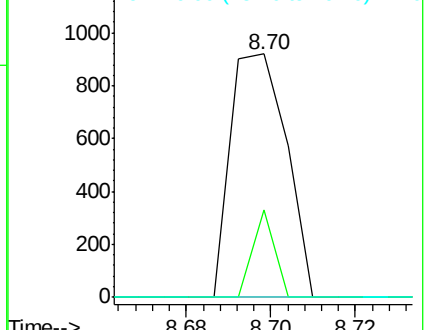
154 100

153 36.0 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



#46

2-Chloronaphthalene

Concen: 0.10 ng

RT: 8.88 min Scan# 1189

Delta R.T. 0.15 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

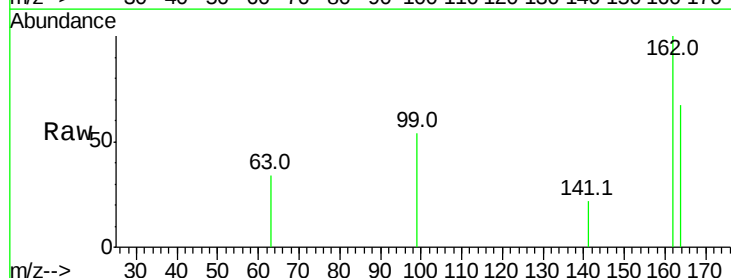
Tgt Ion:162 Resp: 1877

Ion Ratio Lower Upper

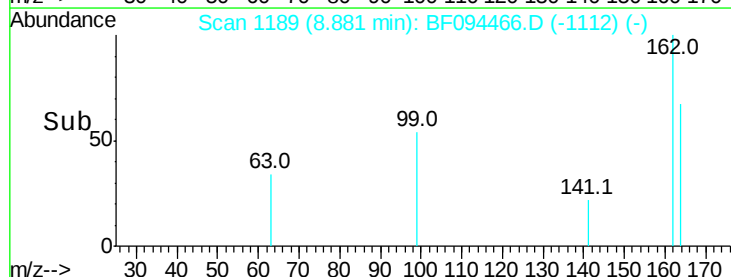
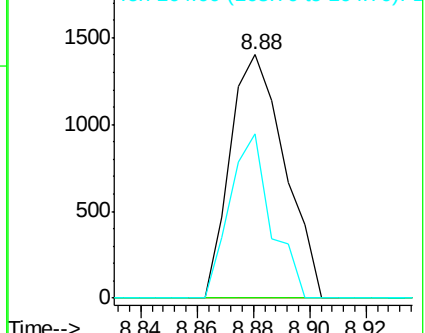
162 100

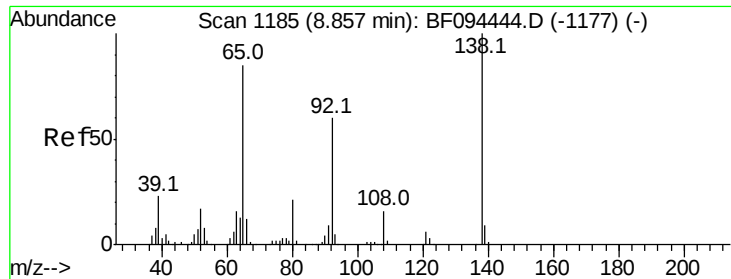
127 0.0 28.3 42.5#

164 67.3 27.0 40.4#



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

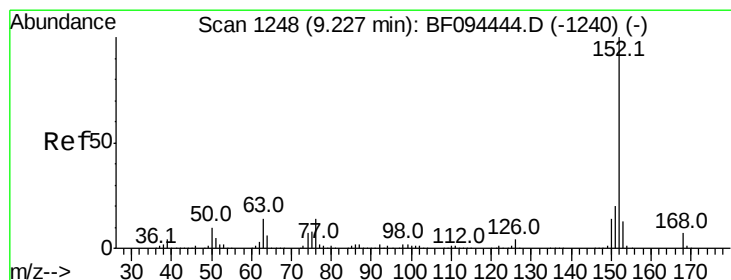
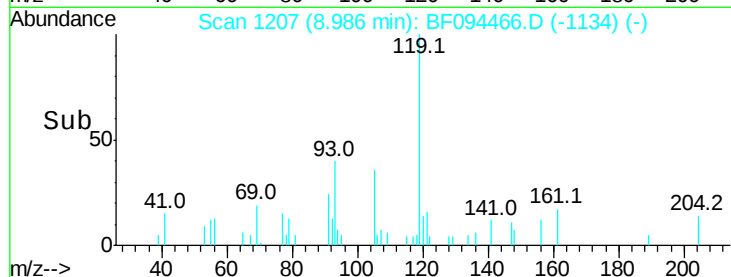
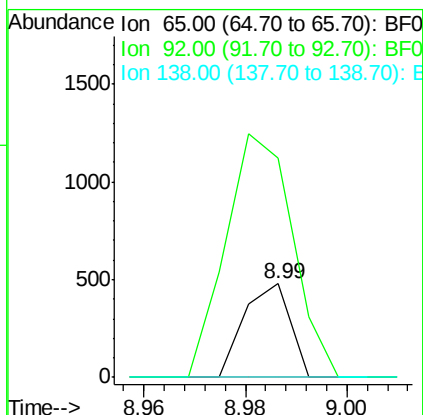
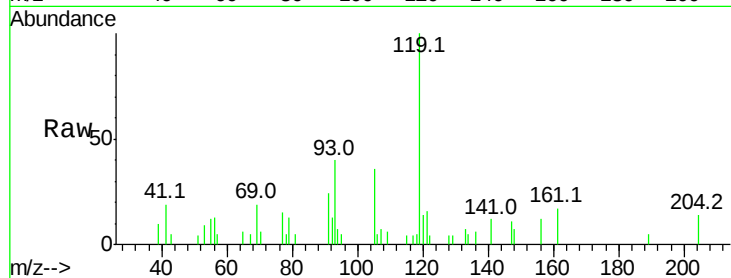




#47
2-Nitroaniline
Concen: 0.06 ng
RT: 8.99 min Scan# 1207
Delta R.T. 0.13 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

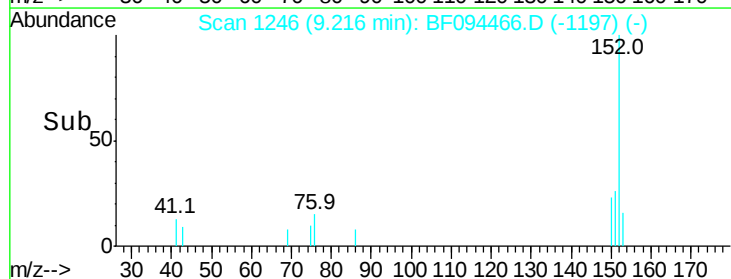
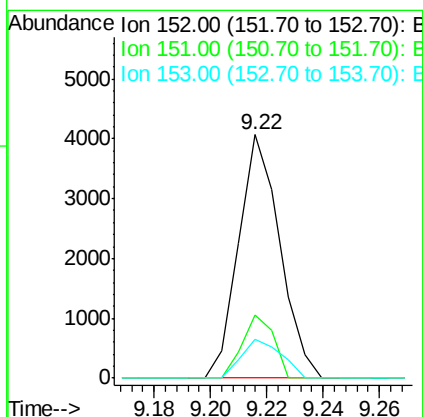
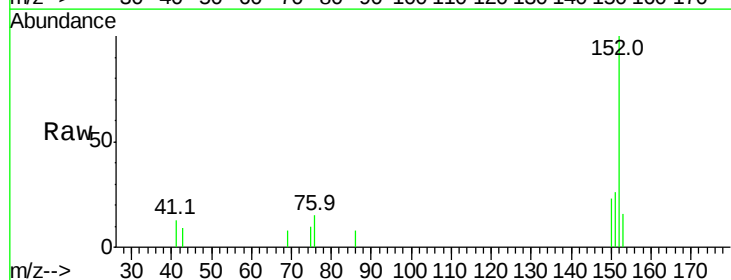
Instrument :
BNA_F
ClientSampleId :

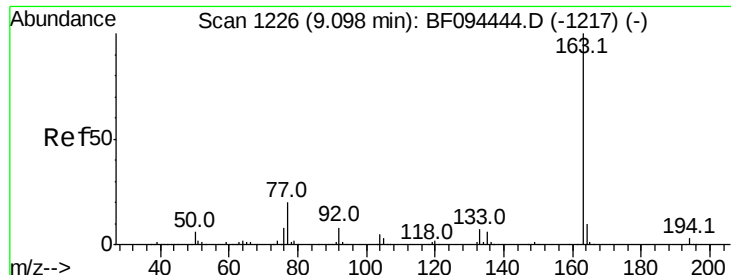
Tot Ion: 65 Resp: 301
Ion Ratio Lower Upper
65 100
92 233.5 53.9 80.9#
138 0.0 78.8 118.2#



#48
Acenaphthylene
Concen: 0.14 ng
RT: 9.22 min Scan# 1246
Delta R.T. -0.01 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Tgt Ion:152 Resp: 4120
Ion Ratio Lower Upper
152 100
151 25.8 16.8 25.2#
153 16.2 10.8 16.2

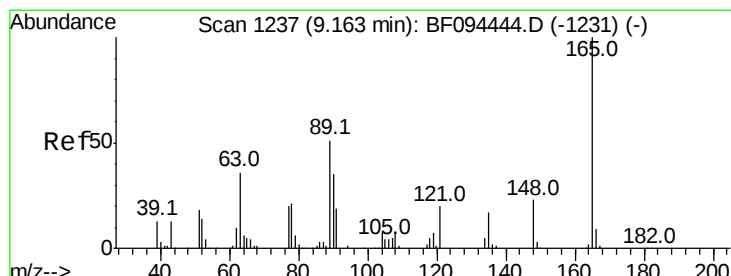
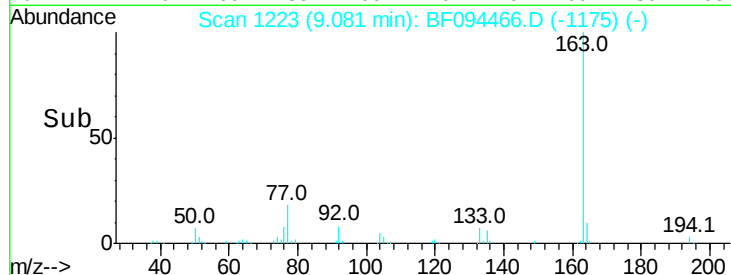
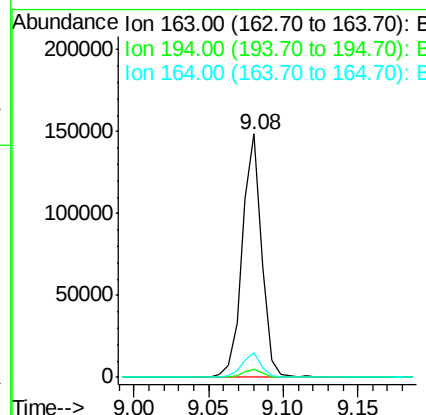
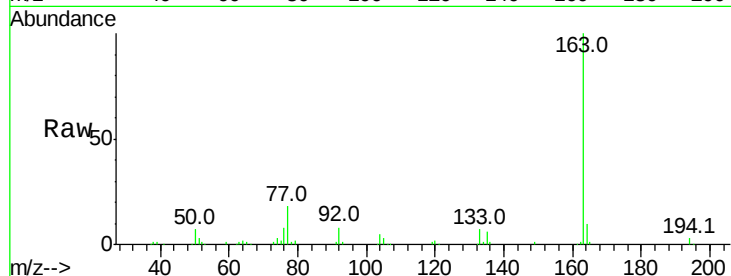




#49
Dimethylphthalate
Concen: 6.44 ng
RT: 9.08 min Scan# 1223
Delta R.T. -0.02 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

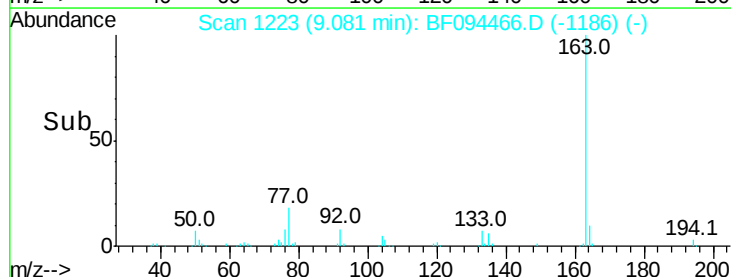
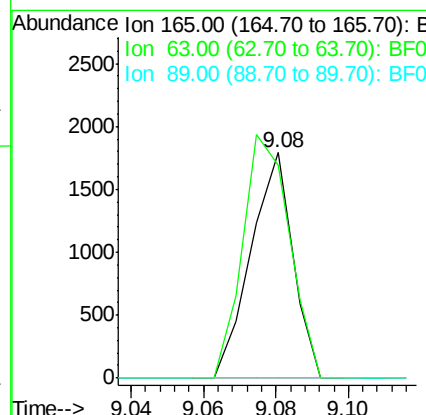
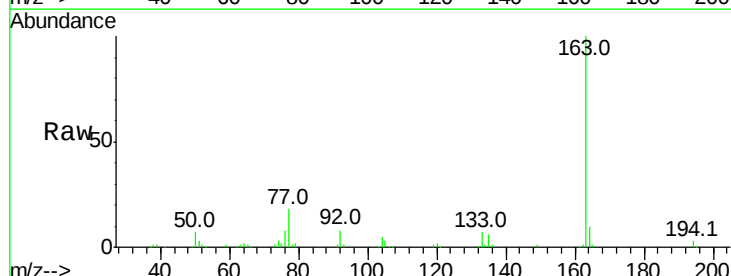
Instrument :
BNA_F
ClientSampleId :

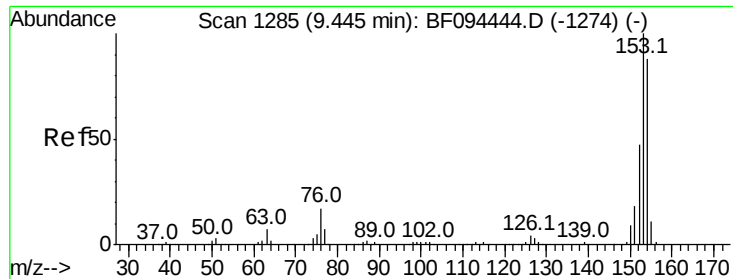
Tot Ion:163 Resp: 134877
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.9 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 0.31 ng
RT: 9.08 min Scan# 1223
Delta R.T. -0.08 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Tgt Ion:165 Resp: 1438
Ion Ratio Lower Upper
165 100
63 94.4 34.3 51.5#
89 0.0 37.1 55.7#





#51

Acenaphthene

Concen: 0.13 ng

RT: 9.43 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampleId :

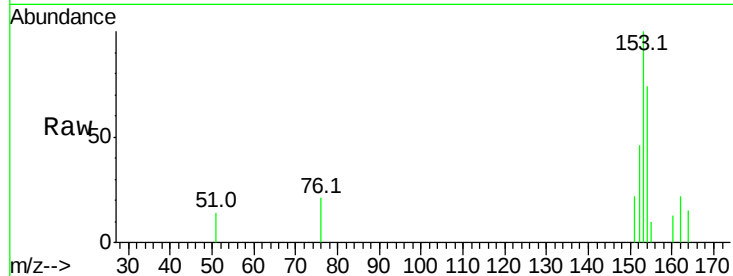
Tot Ion:154 Resp: 2158

Ion Ratio Lower Upper

154 100

153 135.9 90.5 135.7#

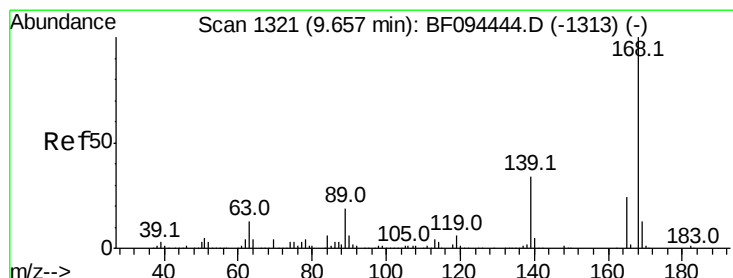
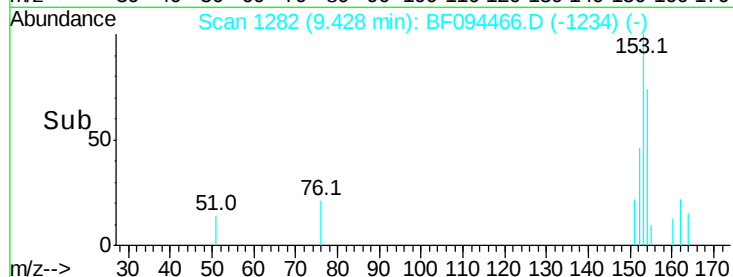
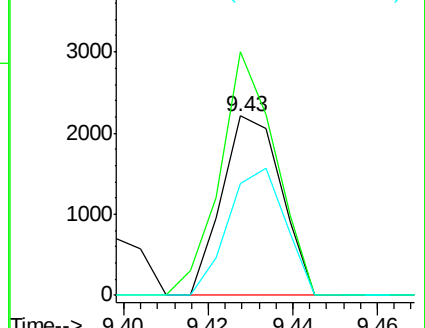
152 62.6 43.6 65.4



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: 0.13 ng

RT: 9.65 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

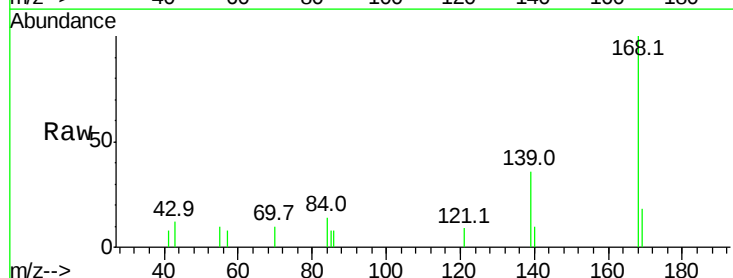
Tgt Ion:168 Resp: 3313

Ion Ratio Lower Upper

168 100

139 36.2 30.6 45.8

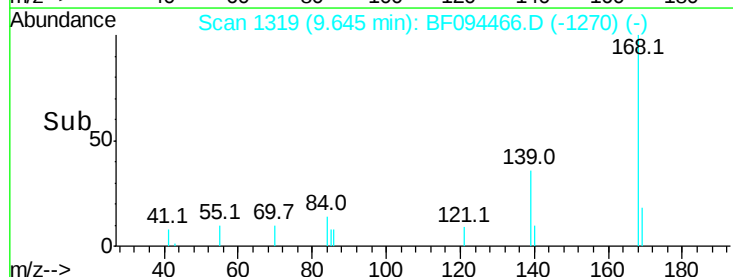
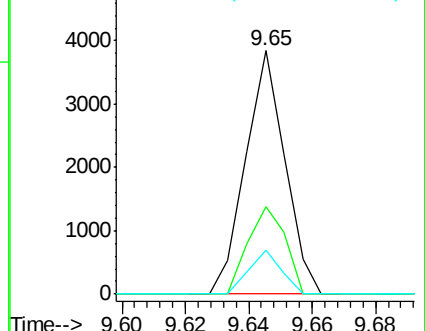
169 18.3 10.8 16.2#

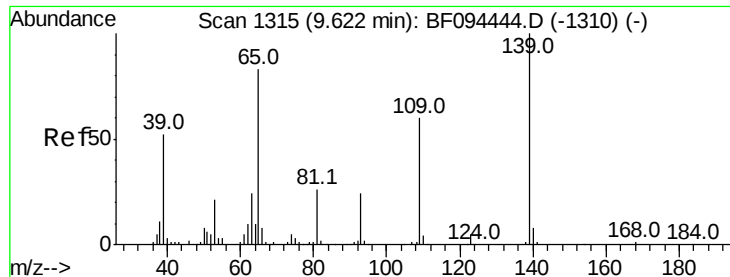


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

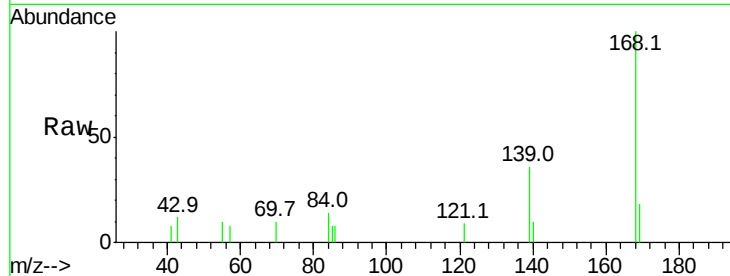




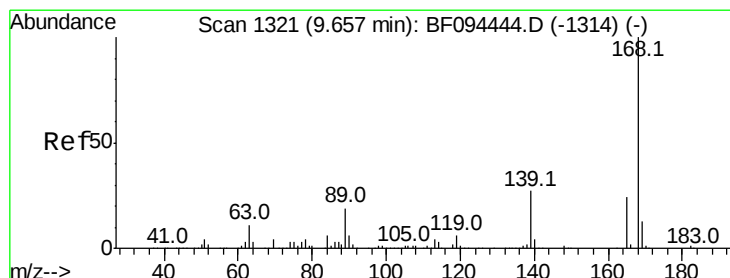
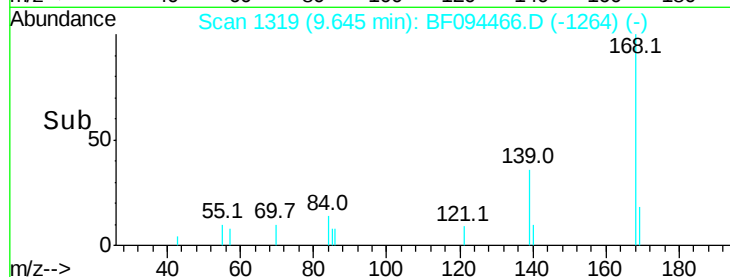
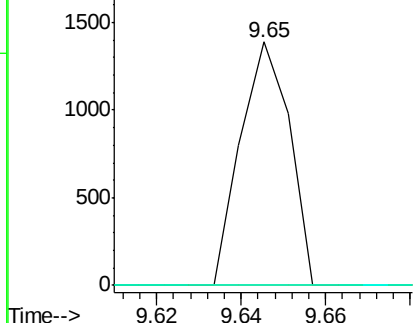
#55
4-Nitrophenol
Concen: 0.29 ng
RT: 9.65 min Scan# 1319
Delta R.T. 0.02 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

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#

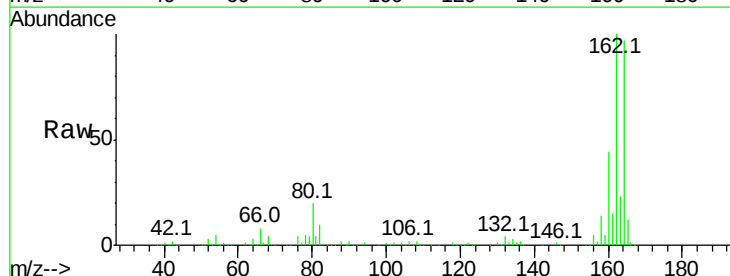


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

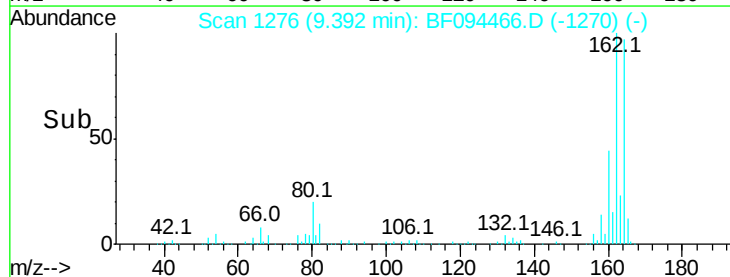
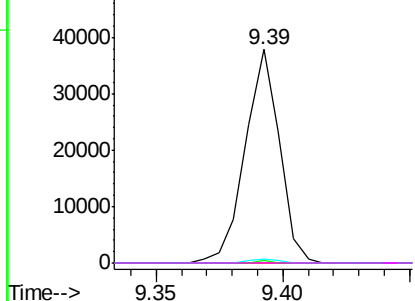


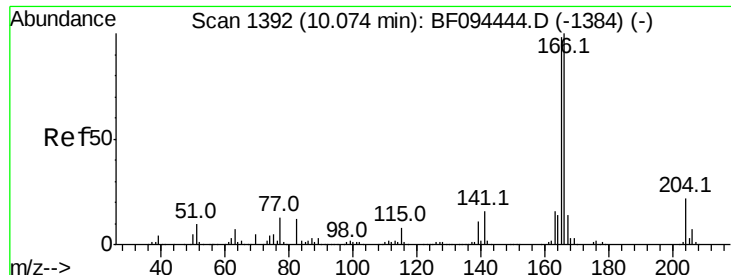
#56
2,4-Dinitrotoluene
Concen: 6.17 ng
RT: 9.39 min Scan# 1276
Delta R.T. -0.26 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	25.4	38.0#
89	1.9	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: 0.21 ng

RT: 10.06 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampleId :

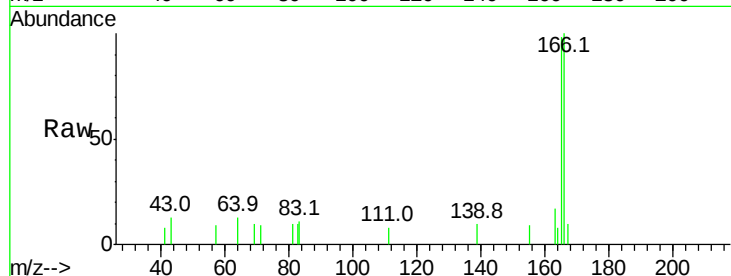
Tot Ion:166 Resp: 4062

Ion Ratio Lower Upper

166 100

165 97.9 78.8 118.2

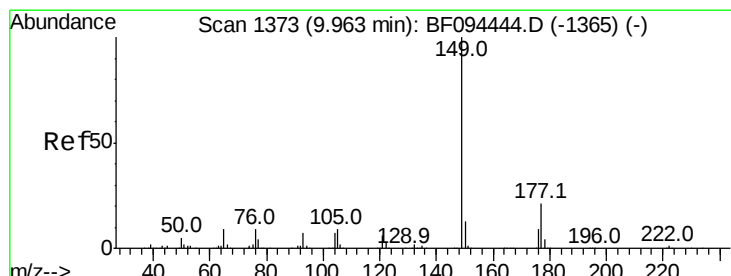
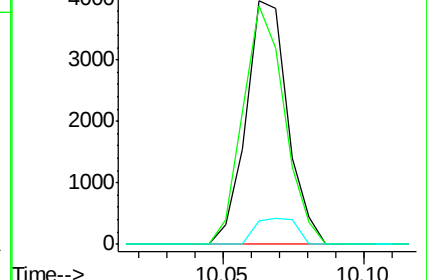
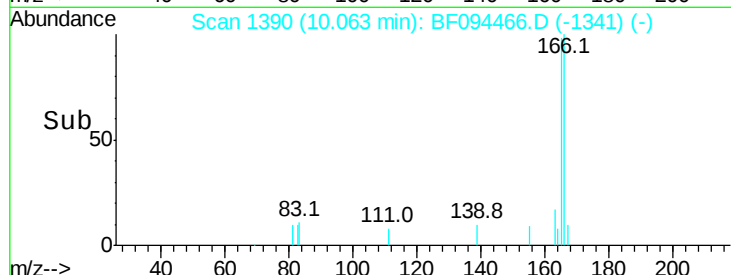
167 9.8 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.03 ng

RT: 9.95 min Scan# 1370

Delta R.T. -0.02 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

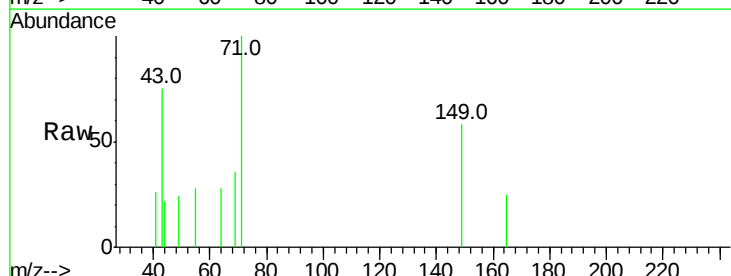
Tgt Ion:149 Resp: 519

Ion Ratio Lower Upper

149 100

177 0.0 16.7 25.1#

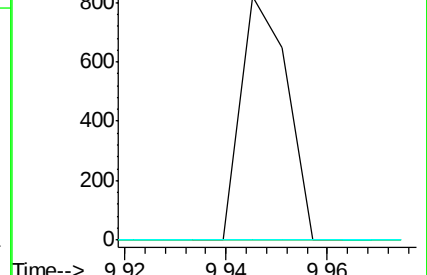
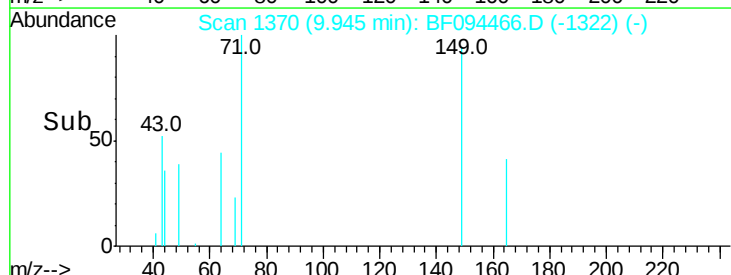
150 0.0 10.2 15.2#

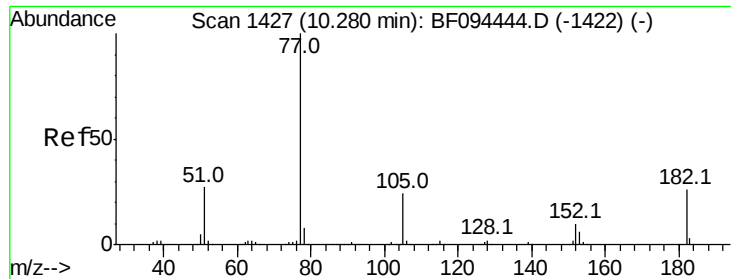


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.01 ng

RT: 10.27 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 120

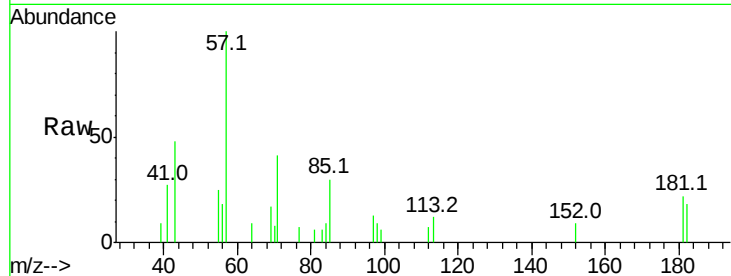
Ion Ratio Lower Upper

77 100

182 274.9 0.1 40.1#

105 0.0 3.6 43.6#

51 0.0 9.4 49.4#

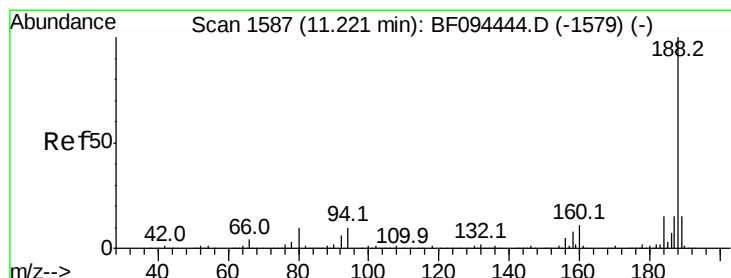
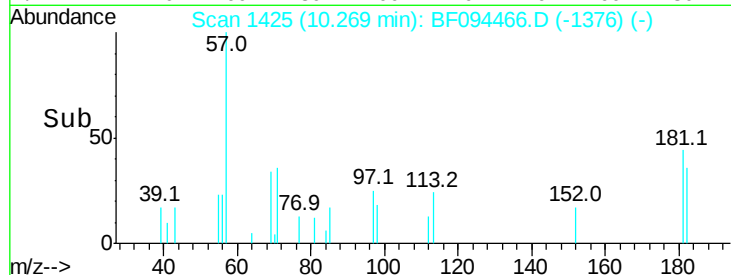
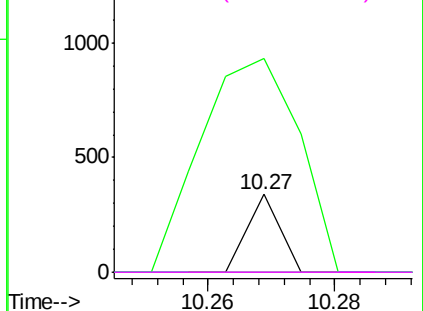


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF094466.D

Acq: 17 Apr 2017 22:59

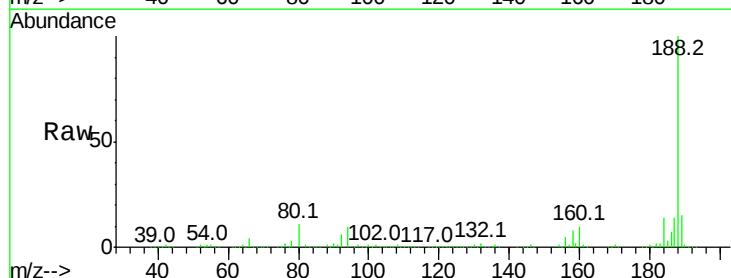
Tgt Ion: 188 Resp: 485129

Ion Ratio Lower Upper

188 100

94 10.2 9.4 14.2

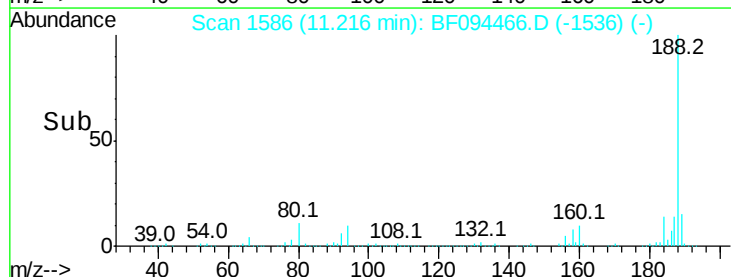
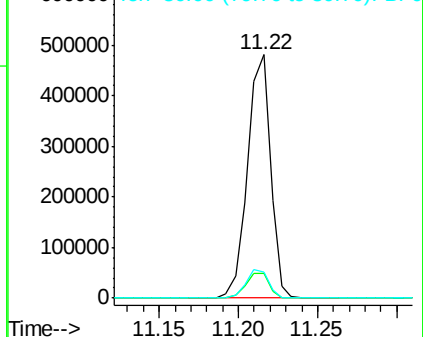
80 10.6 10.2 15.2

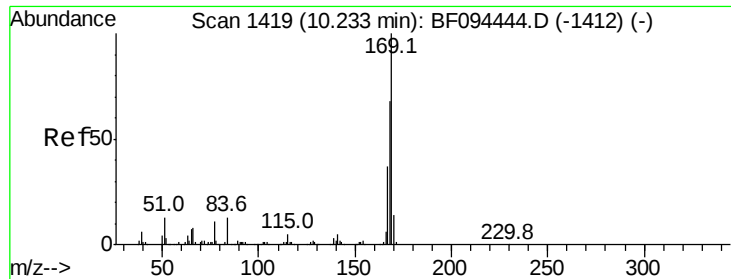


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.15 ng

RT: 10.36 min Scan# 1441

Delta R.T. 0.13 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampleId :

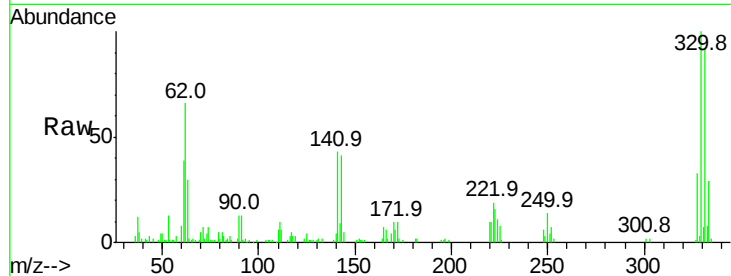
Tot Ion:169 Resp: 2555

Ion Ratio Lower Upper

169 100

168 0.0 53.2 79.8#

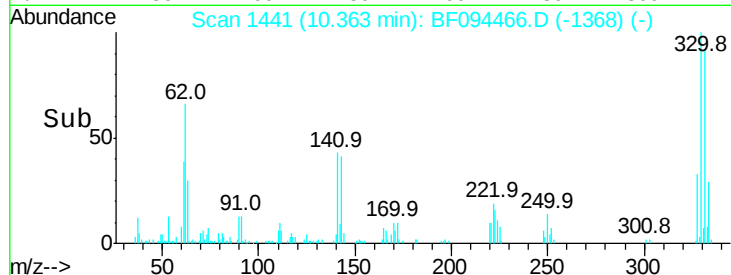
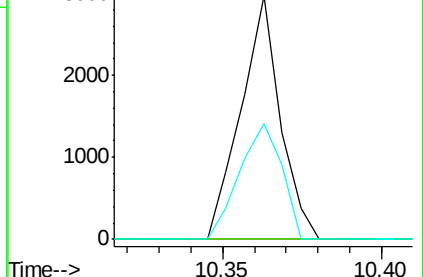
167 47.5 29.5 44.3#



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: 2.22 ng

RT: 11.24 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

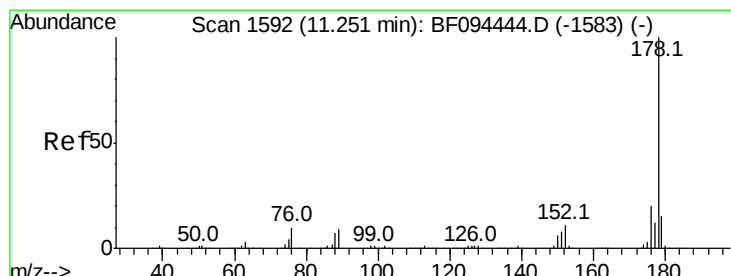
Tgt Ion:178 Resp: 60644

Ion Ratio Lower Upper

178 100

176 17.0 16.2 24.4

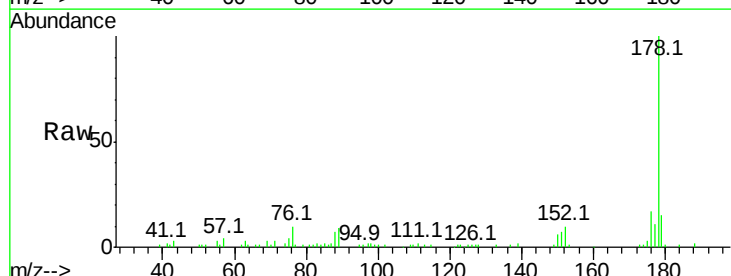
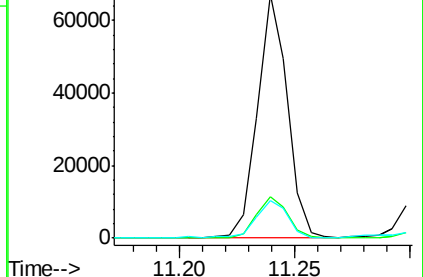
179 15.3 12.6 19.0

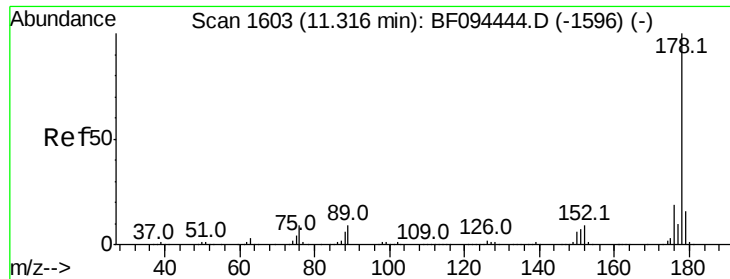


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

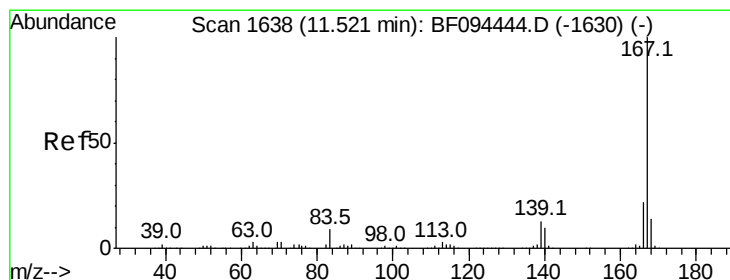
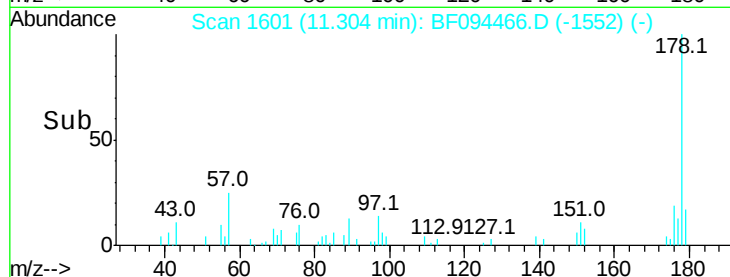
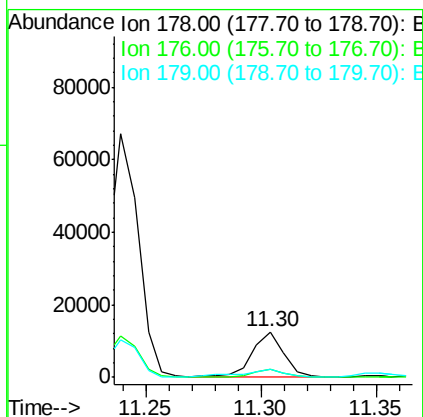
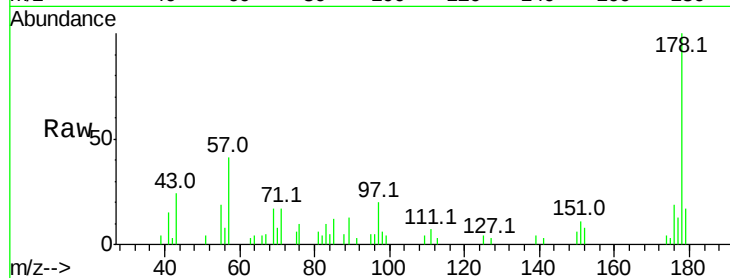




#71
 Anthracene
 Concen: 0.43 ng
 RT: 11.30 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF094466.D
 Acq: 17 Apr 2017 22:59

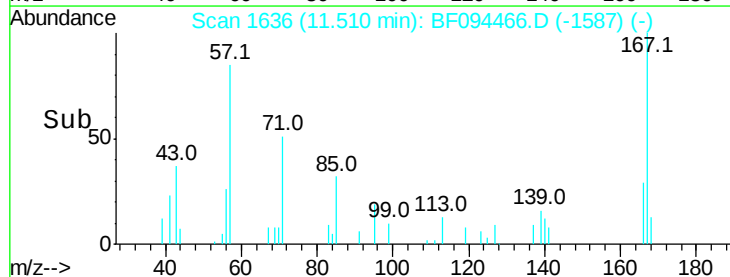
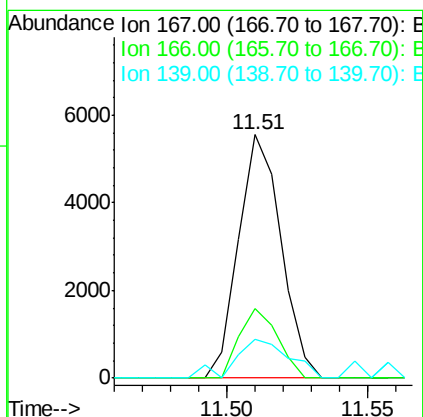
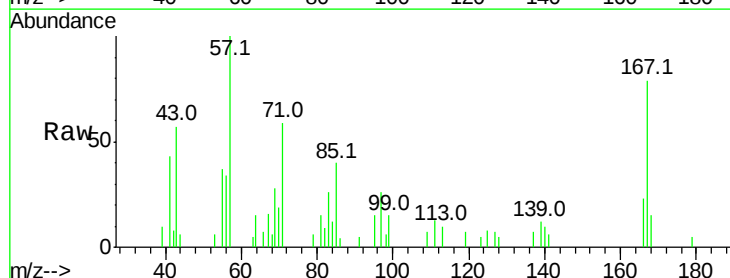
Instrument :
 BNA_F
 ClientSampleId :

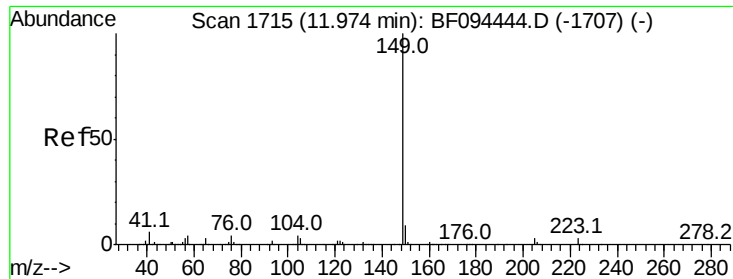
Tot Ion:178 Resp: 12212
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 16.6 12.7 19.1



#72
 Carbazole
 Concen: 0.22 ng
 RT: 11.51 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF094466.D
 Acq: 17 Apr 2017 22:59

Tgt Ion:167 Resp: 5798
 Ion Ratio Lower Upper
 167 100
 166 28.8 18.1 27.1#
 139 15.7 11.7 17.5

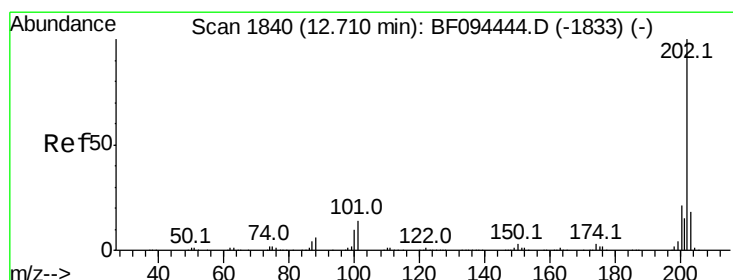
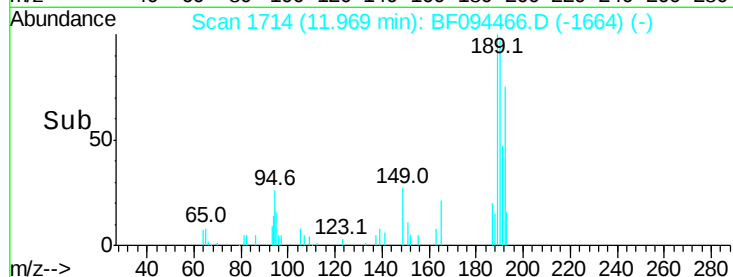
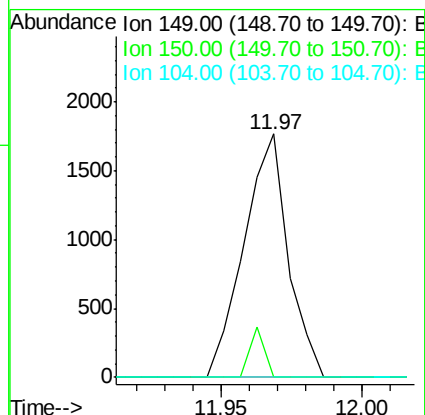
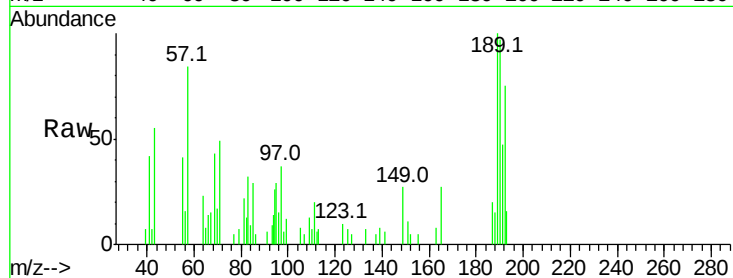




#73
Di-n-butylphthalate
Concen: 0.07 ng
RT: 11.97 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

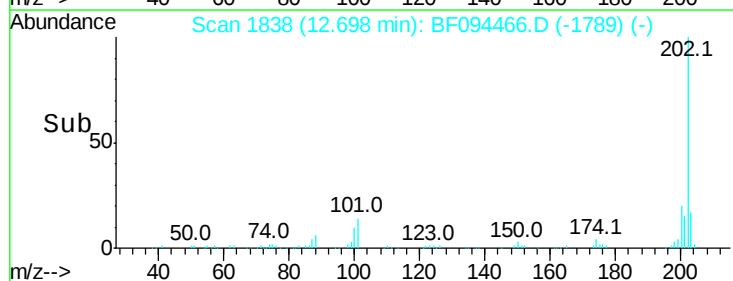
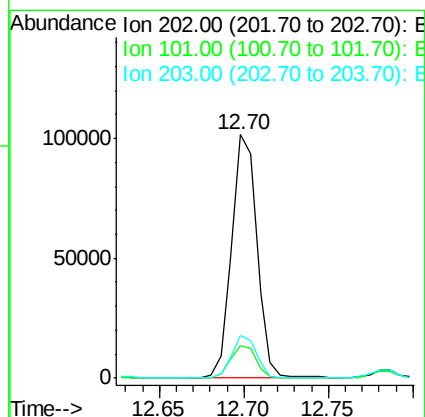
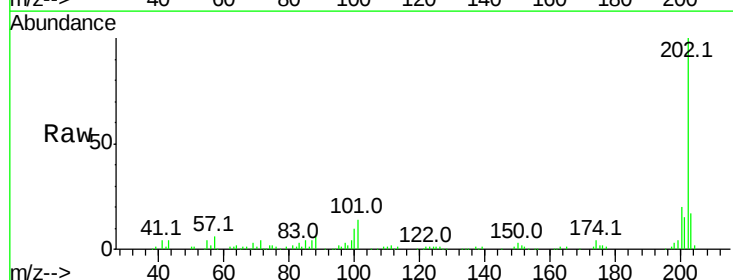
Instrument :
BNA_F
ClientSampleId :

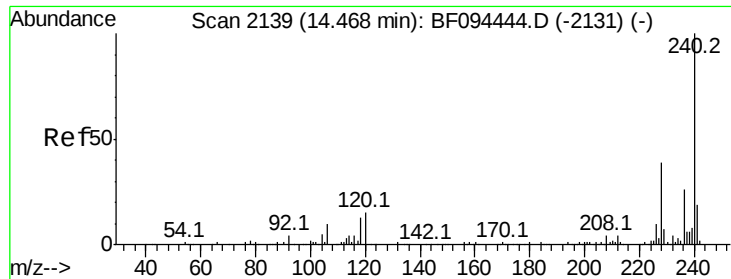
Tot Ion:149 Resp: 1916
Ion Ratio Lower Upper
149 100
150 0.0 7.7 11.5#
104 0.0 4.0 6.0#



#74
Fluoranthene
Concen: 3.74 ng
RT: 12.70 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Tgt Ion:202 Resp: 105814
Ion Ratio Lower Upper
202 100
101 13.6 0.0 33.2
203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2137

Delta R.T. -0.01 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampleId :

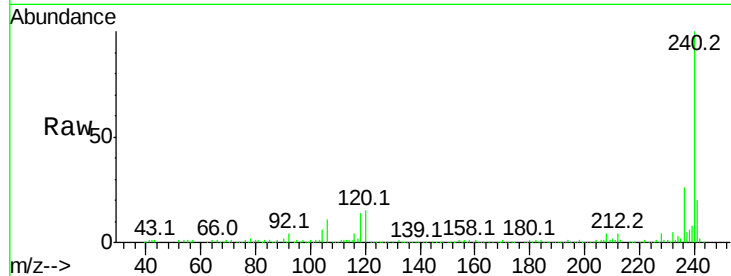
Tot Ion:240 Resp: 368351

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

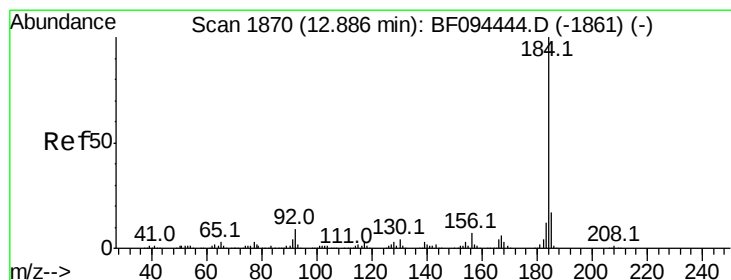
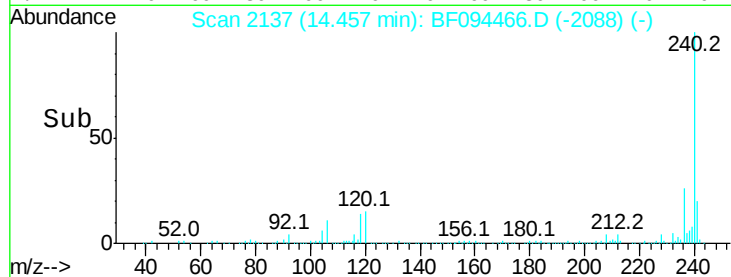
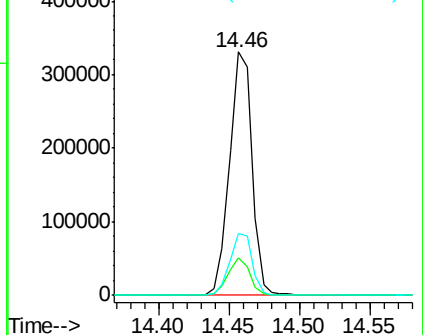
236 25.5 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.02 ng

RT: 12.78 min Scan# 1852

Delta R.T. -0.11 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

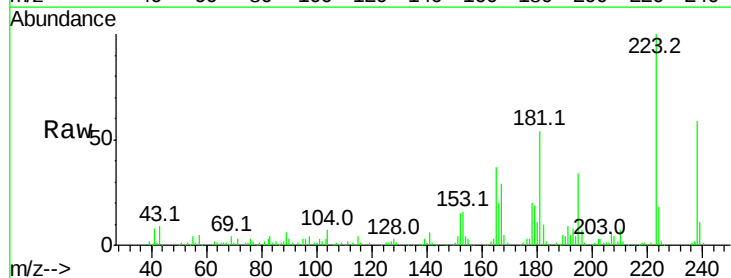
Tgt Ion:184 Resp: 324

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

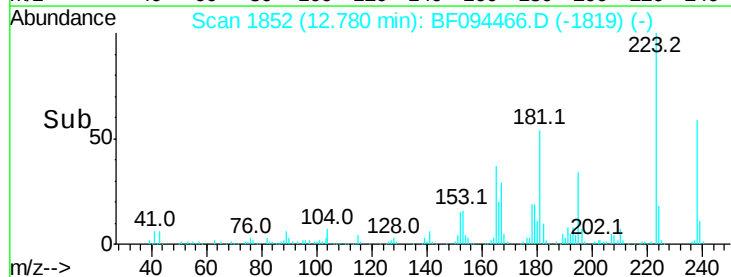
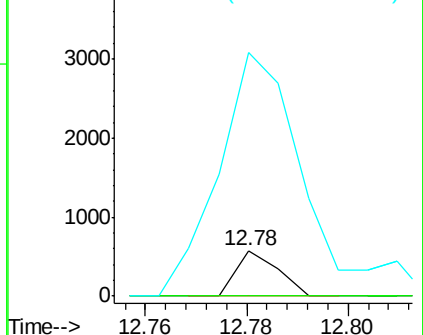
183 537.7 9.8 14.6#

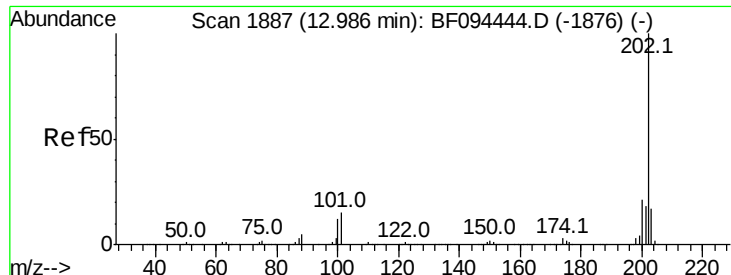


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

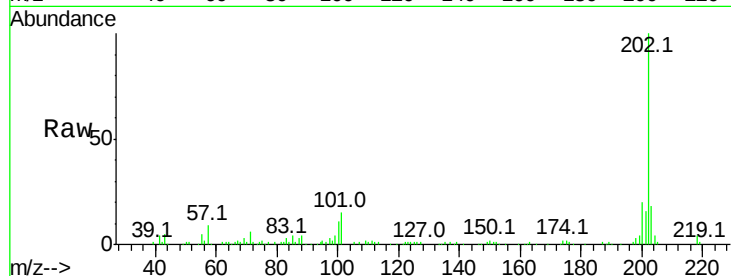




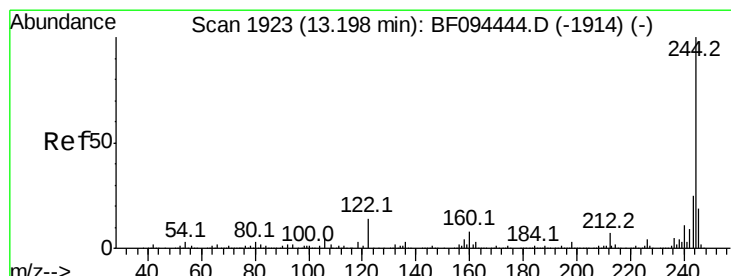
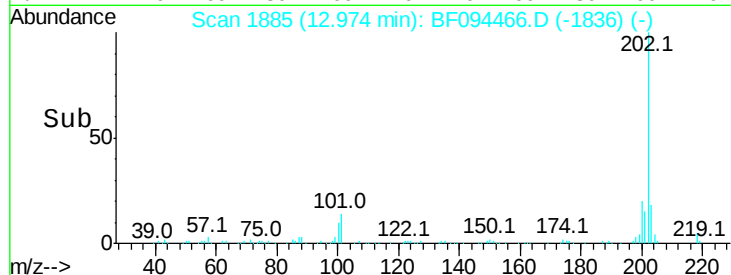
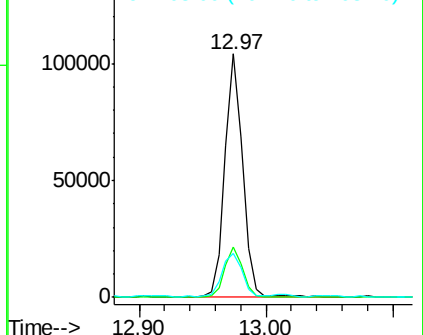
#77
Pvrene
Concen: 3.97 ng
RT: 12.97 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 102064
Ion Ratio Lower Upper
202 100
200 20.5 17.6 26.4
203 17.9 14.4 21.6

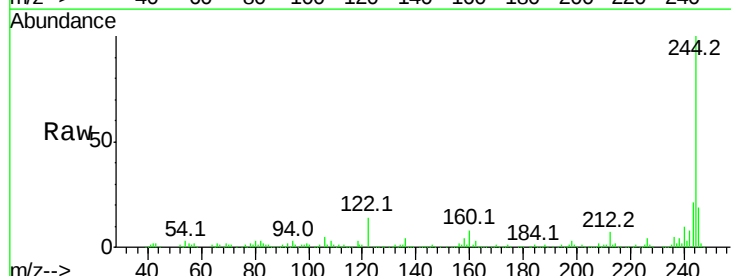


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

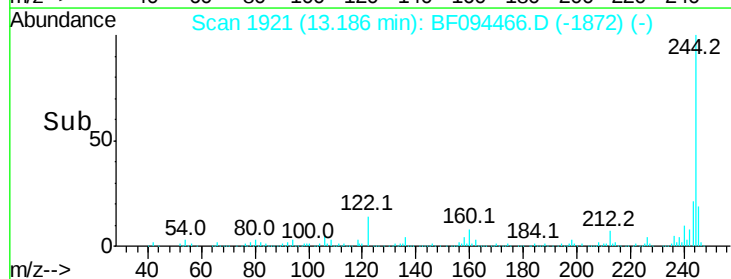
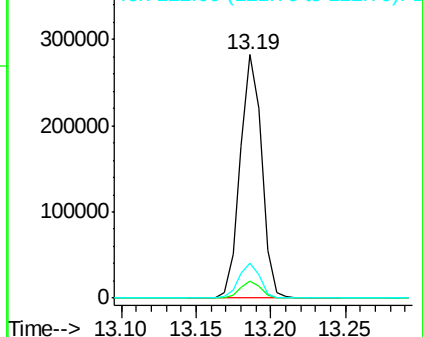


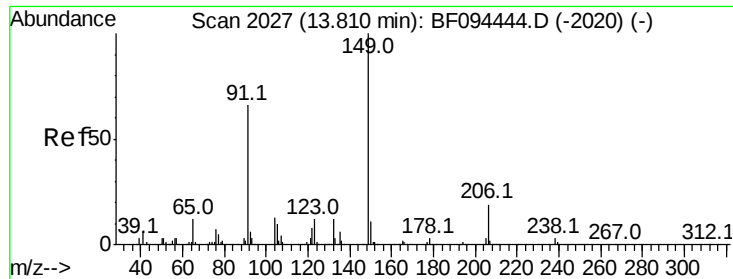
#78
Terphenyl-d14
Concen: 20.53 ng
RT: 13.19 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Tgt Ion:244 Resp: 282976
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 14.5 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

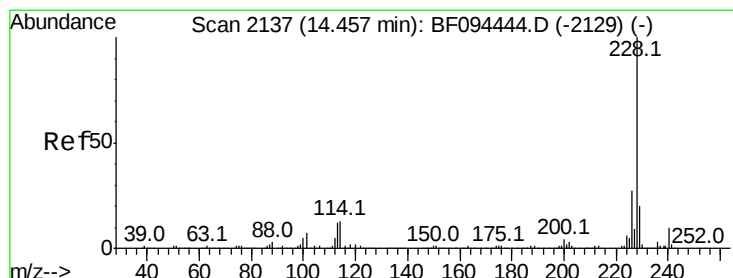
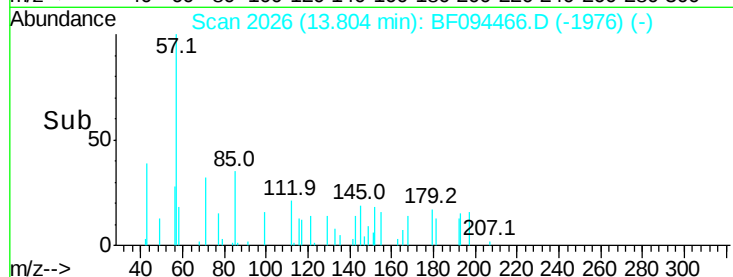
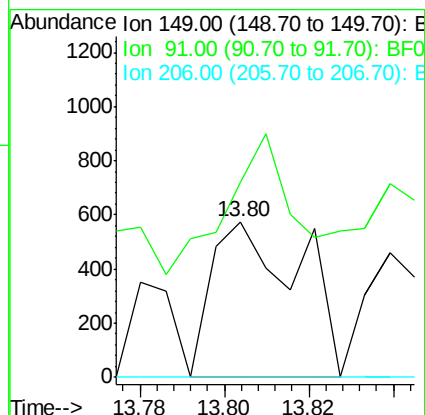
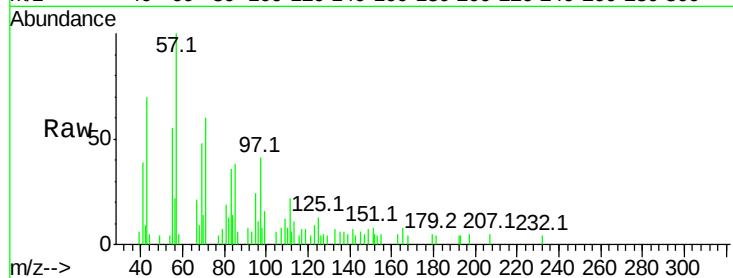




#79
Butylbenzylphthalate
Concen: 0.07 ng
RT: 13.80 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

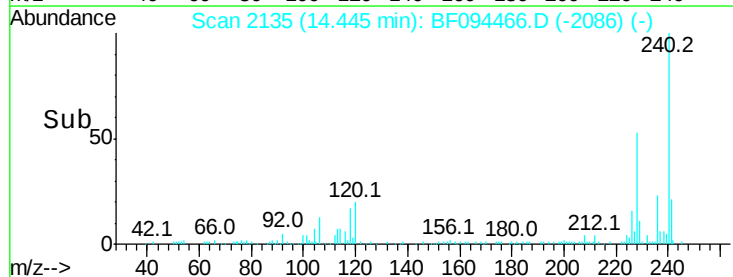
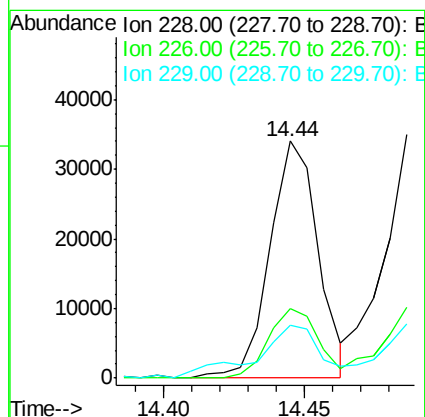
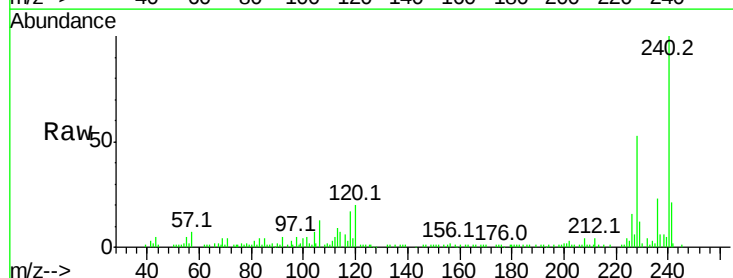
Instrument :
BNA_F
ClientSampled :

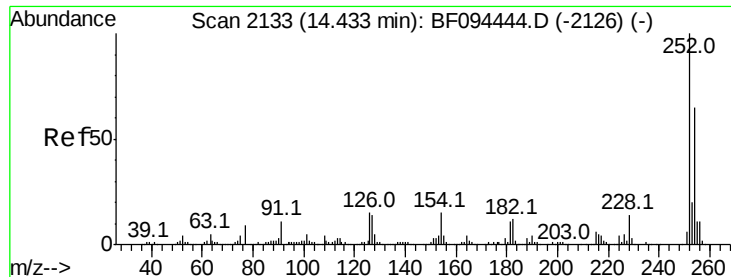
Tot Ion:149 Resp: 822
Ion Ratio Lower Upper
149 100
91 125.6 45.0 67.4#
206 0.0 17.0 25.6#



#80
Benzo(a)anthracene
Concen: 1.88 ng
RT: 14.44 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Tgt Ion:228 Resp: 40349
Ion Ratio Lower Upper
228 100
226 29.4 22.6 33.8
229 22.5 16.3 24.5





#81

3,3'-Dichlorobenzidine

Concen: 0.07 ng

RT: 14.53 min Scan# 2149

Delta R.T. 0.09 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampled :

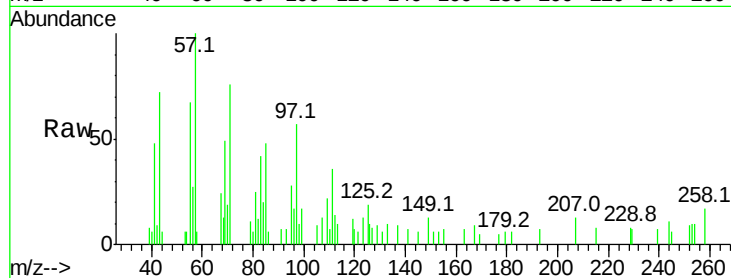
Tot Ion:252 Resp: 545

Ion Ratio Lower Upper

252 100

254 102.6 51.5 77.3#

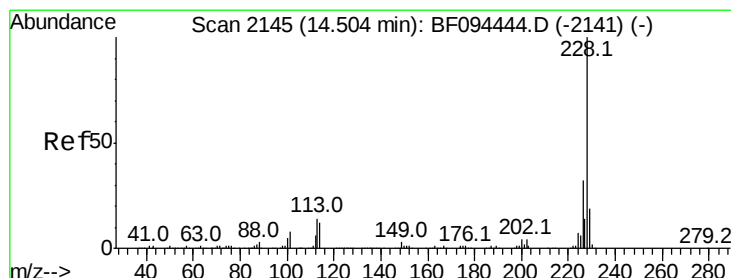
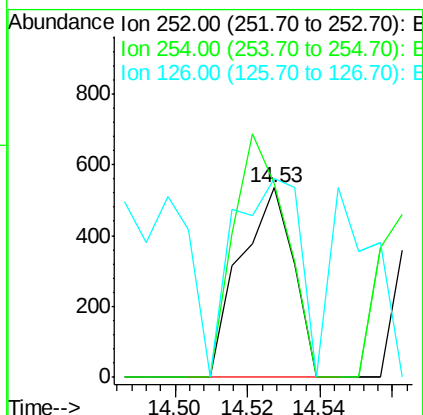
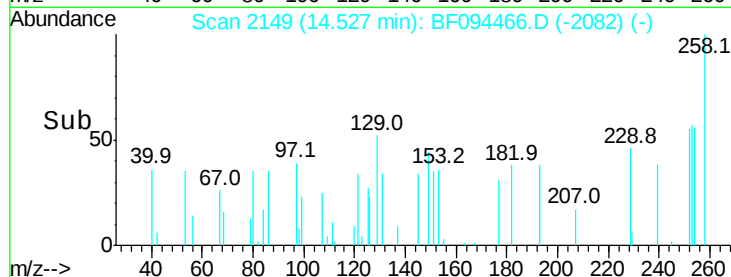
126 105.2 15.8 23.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 2.14 ng

RT: 14.49 min Scan# 2142

Delta R.T. -0.02 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

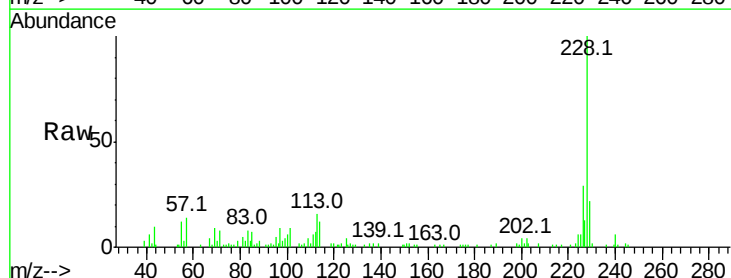
Tgt Ion:228 Resp: 41893

Ion Ratio Lower Upper

228 100

226 28.9 24.9 37.3

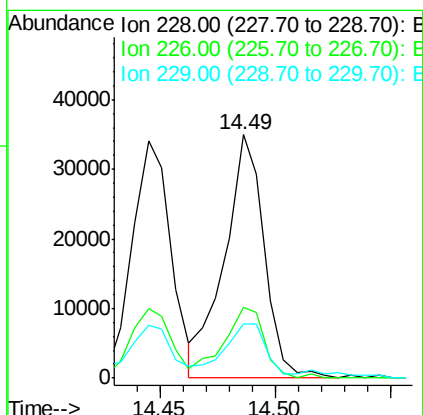
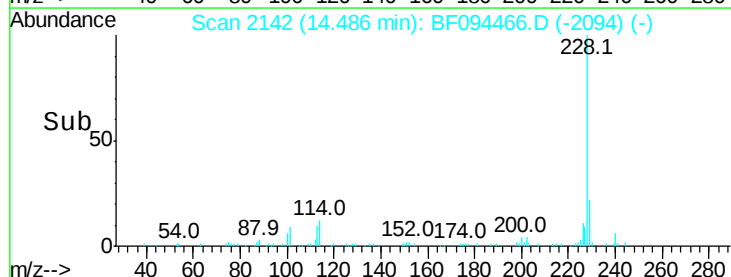
229 22.1 15.8 23.6

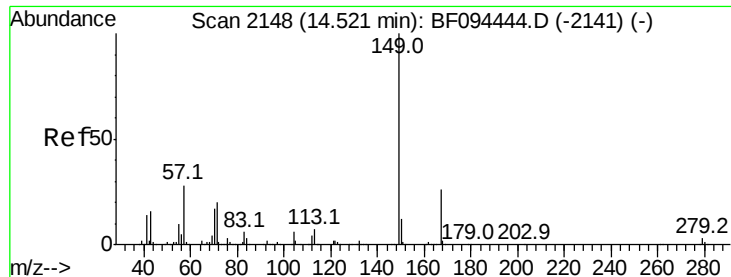


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.14 ng

RT: 14.52 min Scan# 2148

Delta R.T. 0.00 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

Instrument :

BNA_F

ClientSampled :

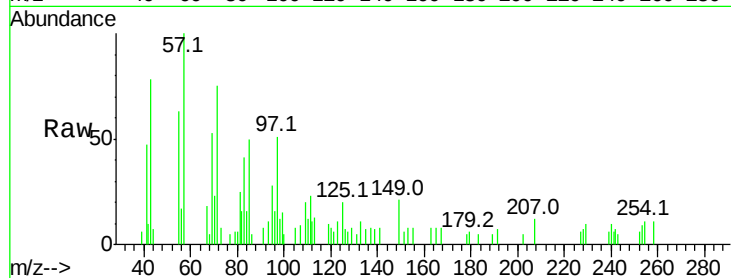
Tot Ion:149 Resp: 2121

Ion Ratio Lower Upper

149 100

167 38.8 21.0 31.4#

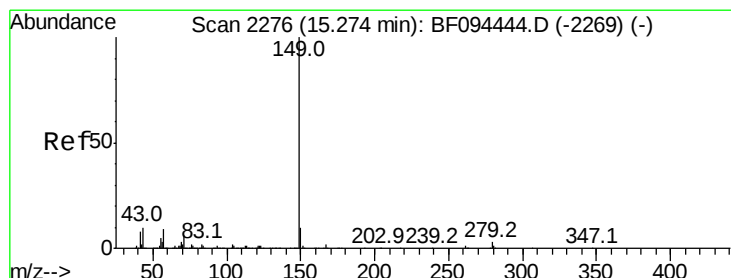
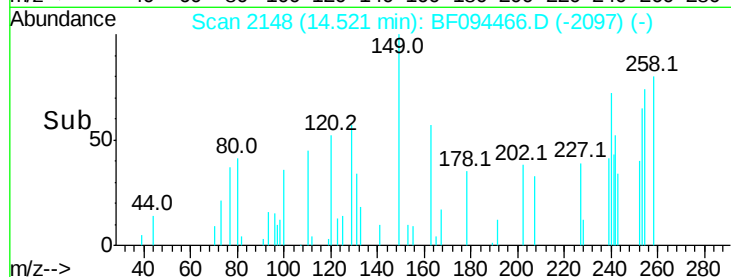
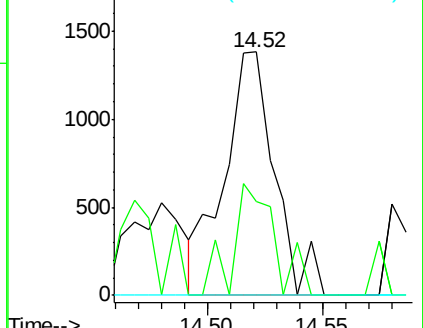
279 0.0 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.03 ng

RT: 15.29 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF094466.D

Acq: 17 Apr 2017 22:59

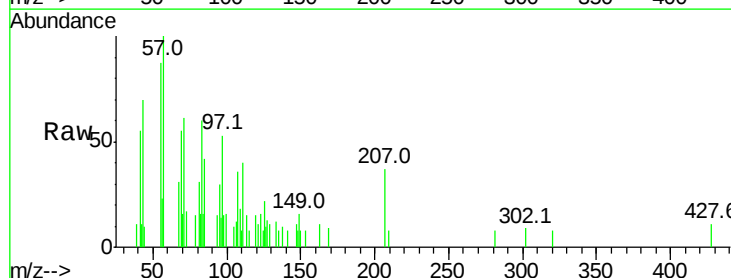
Tgt Ion:149 Resp: 677

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

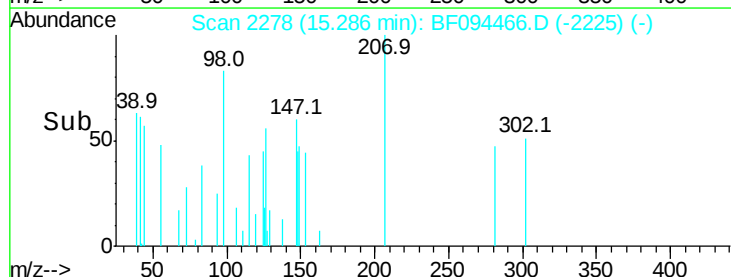
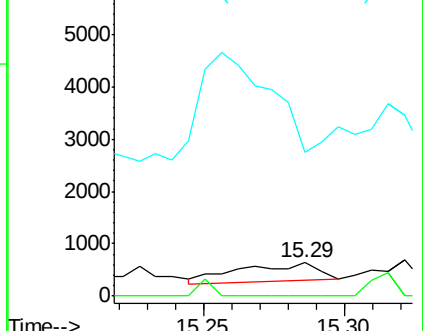
43 0.0 8.5 12.7#

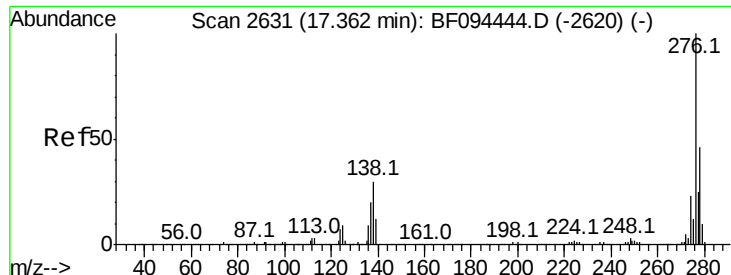


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

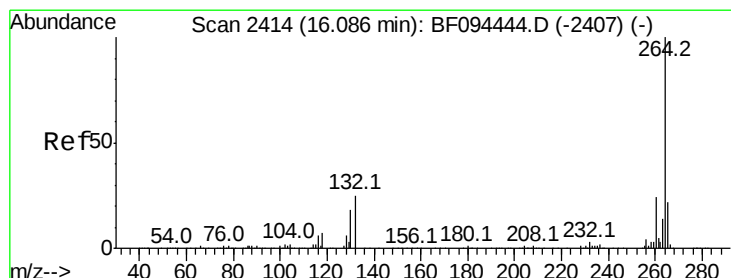
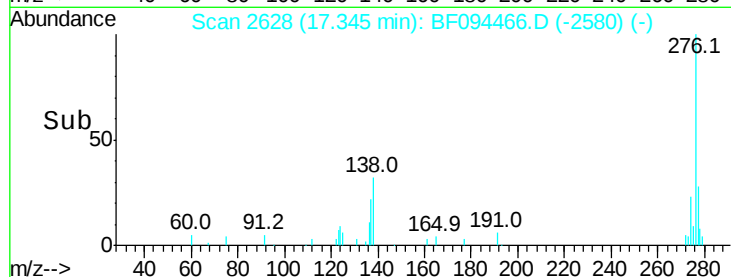
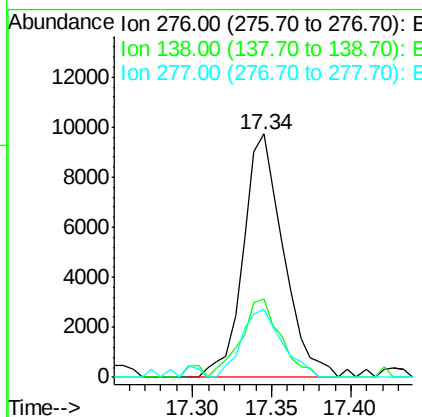
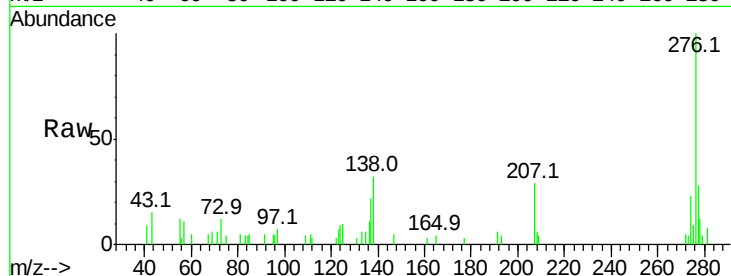




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.92 ng
 RT: 17.34 min Scan# 2628
 Delta R.T. -0.02 min
 Lab File: BF094466.D
 Acq: 17 Apr 2017 22:59

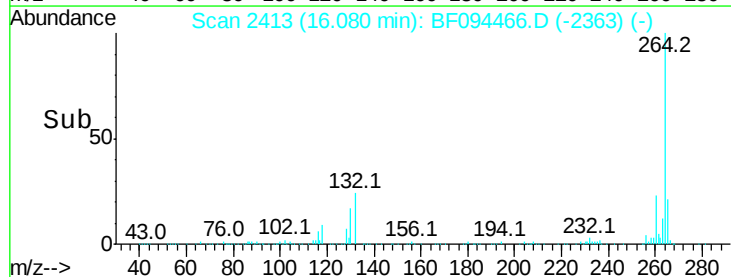
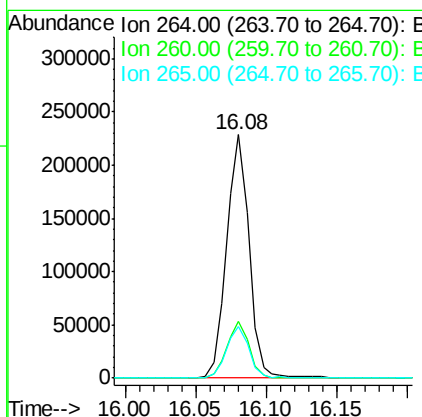
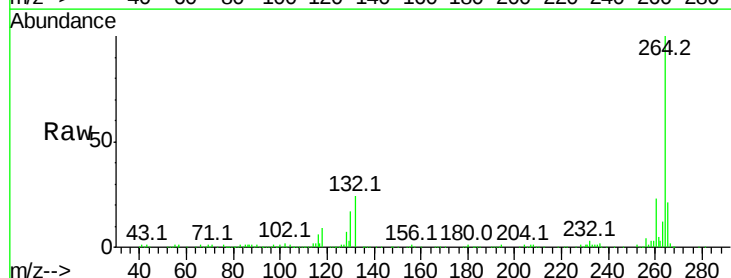
Instrument :
 BNA_F
 ClientSampleId :

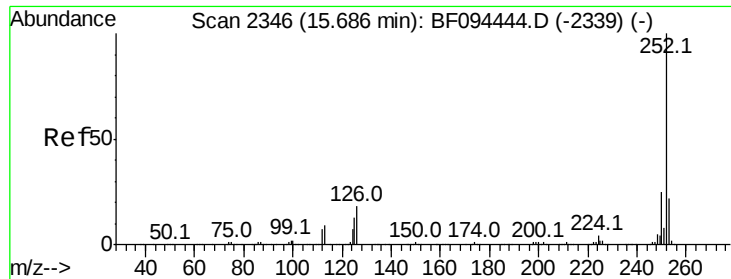
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.8	27.8	41.6
277	28.3	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.08 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BF094466.D
 Acq: 17 Apr 2017 22:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.0	17.2	25.8

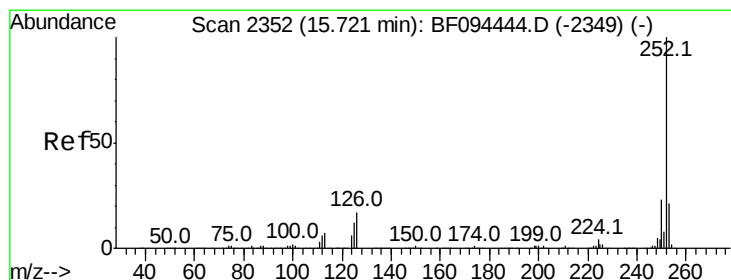
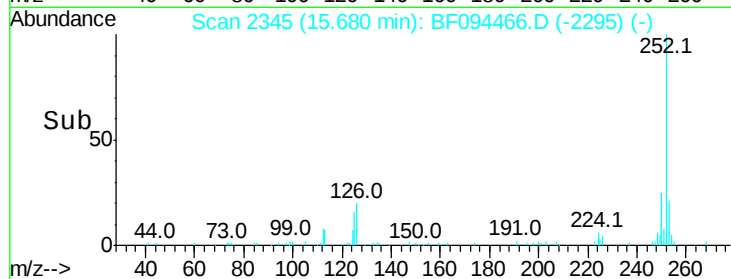
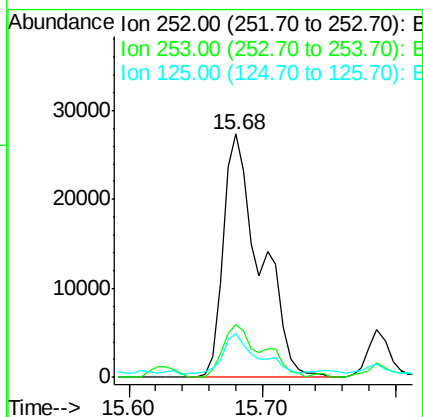
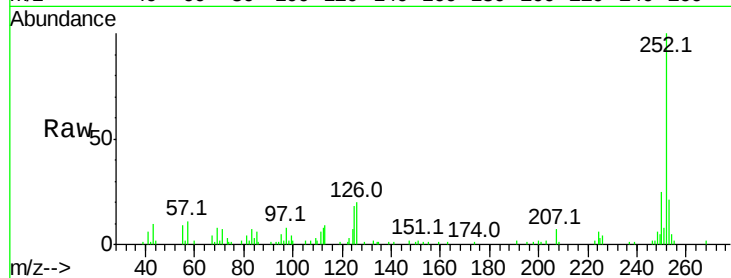




#87
Benzo(b)fluoranthene
Concen: 3.44 ng
RT: 15.68 min Scan# 2345
Delta R.T. -0.01 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

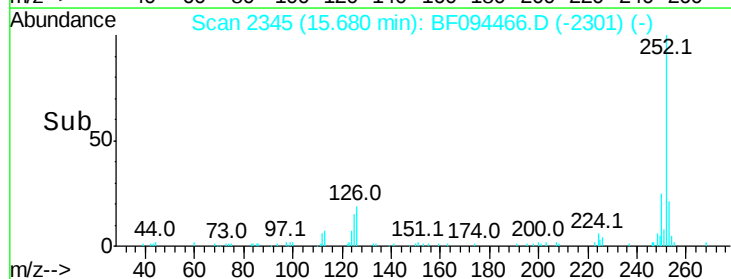
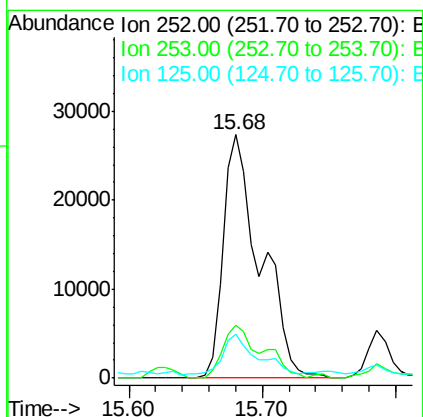
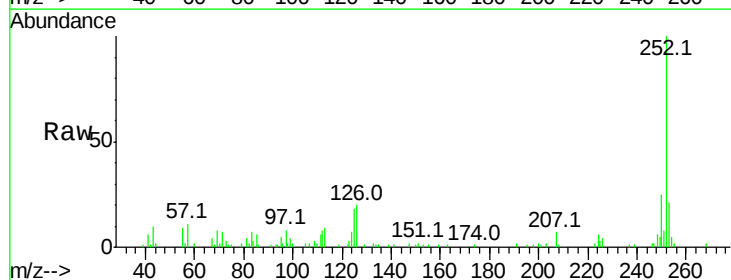
Instrument :
BNA_F
ClientSampleId :

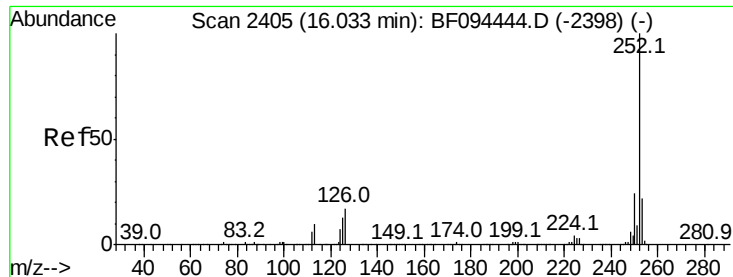
Tot Ion:252 Resp: 53215
Ion Ratio Lower Upper
252 100
253 21.5 18.1 27.1
125 18.1 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 3.64 ng
RT: 15.68 min Scan# 2345
Delta R.T. -0.04 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Tgt Ion:252 Resp: 53215
Ion Ratio Lower Upper
252 100
253 21.5 18.4 27.6
125 18.1 13.1 19.7

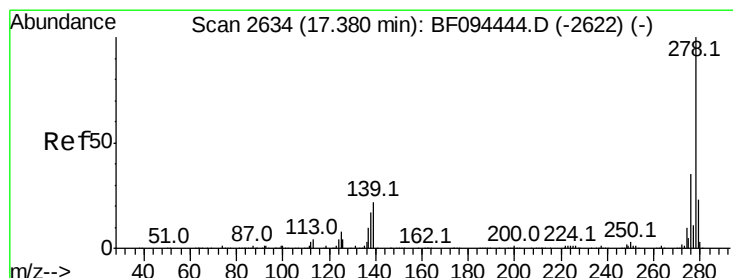
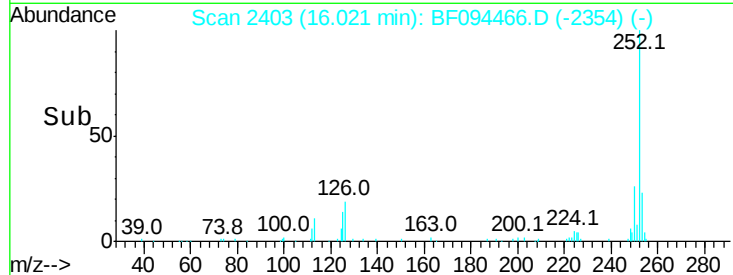
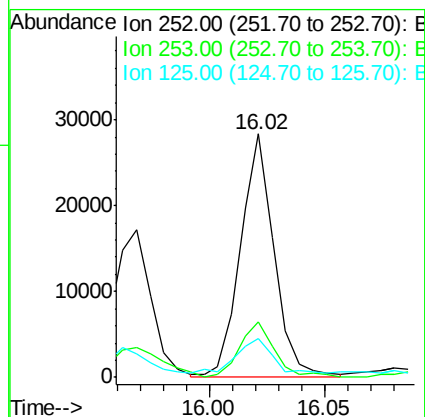
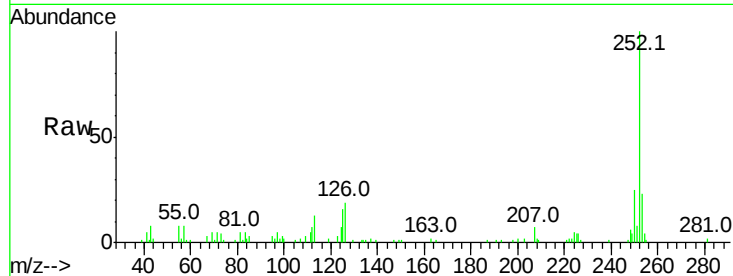




#89
Benzo(a)pyrene
Concen: 2.01 ng
RT: 16.02 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

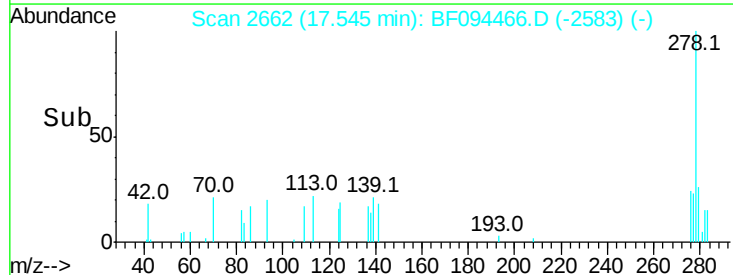
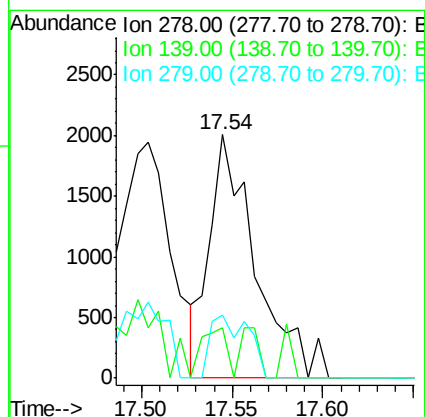
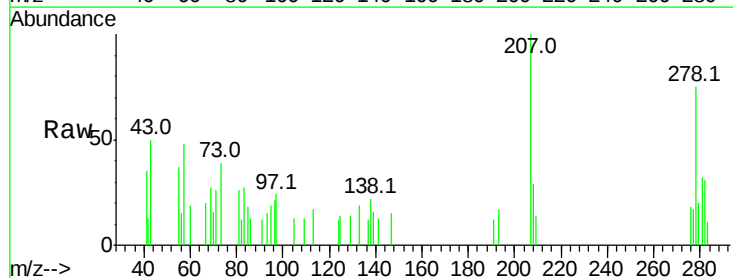
Instrument :
BNA_F
ClientSampleId :

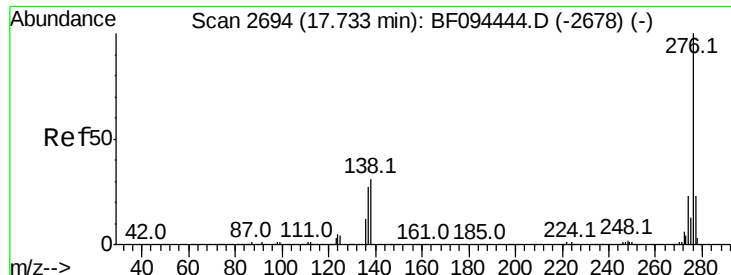
Tot Ion:252 Resp: 28949
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 16.0 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 0.30 ng
RT: 17.54 min Scan# 2662
Delta R.T. 0.16 min
Lab File: BF094466.D
Acq: 17 Apr 2017 22:59

Tgt Ion:278 Resp: 3574
Ion Ratio Lower Upper
278 100
139 20.8 16.6 24.8
279 26.2 19.3 28.9

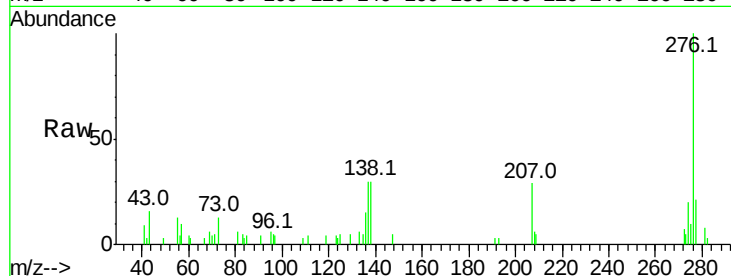




#91
 Benzo(a,h,i)perylene
 Concen: 1.44 ng
 RT: 17.71 min Scan# 2690
 Delta R.T. -0.02 min
 Lab File: BF094466.D
 Acq: 17 Apr 2017 22:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.2	18.6	28.0
138	29.9	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

