

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094462.D
 Acq On : 17 Apr 2017 21:09
 Operator : SJ/MA
 Sample : I2708-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 01:01:33 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	144159	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	591742	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	273226	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	497697	20.00	ng	0.00
75) Chrysene-d12	14.46	240	371357	20.00	ng	0.00
86) Perylene-d12	16.08	264	263053	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	925524	106.51	ng	0.00
7) Phenol-d6	5.39	99	1214503	118.56	ng	0.00
23) Nitrobenzene-d5	6.41	82	754536	78.74	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	236842	110.82	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1283305	69.11	ng	0.00
78) Terphenyl-d14	13.20	244	1051087	75.65	ng	0.00

Target Compounds						Qvalue
4) n-Nitrosodimethylamine	2.64	42	112	0.02	ng	# 1
6) Aniline	5.40	93	369	0.03	ng	# 1
8) 2-Chlorophenol	5.52	128	1409	0.14	ng	# 8
9) Benzaldehyde	5.51	77	20525	2.63	ng	82
10) Phenol	5.40	94	13186	1.05	ng	95
11) bis(2-Chloroethyl)ether	5.51	93	1423	0.15	ng	# 1
12) 1,3-Dichlorobenzene	5.93	146	231	0.02	ng	# 1
13) 1,4-Dichlorobenzene	5.93	146	231	0.02	ng	# 1
14) 1,2-Dichlorobenzene	5.93	146	231	0.02	ng	# 1
15) Benzyl Alcohol	5.93	79	11650	1.53	ng	# 43
16) 2,2'-oxybis(1-Chloropropan	5.97	45	579	0.05	ng	70
17) 2-Methylphenol	5.94	107	109	0.01	ng	# 1
19) n-Nitroso-di-n-propylamine	6.41	70	100489	14.81	ng	# 77
20) 3+4-Methylphenols	6.26	107	305	0.03	ng	# 5
22) Acetophenone	6.23	105	394	0.03	ng	# 46
24) Nitrobenzene	6.41	77	2130	0.21	ng	# 38
25) Isophorone	6.74	82	346	0.02	ng	# 67
31) Naphthalene	7.28	128	6754	0.24	ng	# 94
33) 4-Chloroaniline	7.29	127	816	0.07	ng	# 39
37) 2-Methylnaphthalene	8.25	142	1610	0.08	ng	100
45) 1,1'-Biphenyl	8.70	154	1111	0.05	ng	# 67
47) 2-Nitroaniline	9.08	65	4741	0.93	ng	# 1
48) Acenaphthylene	9.22	152	1918	0.07	ng	# 93
49) Dimethylphthalate	9.08	163	553603	27.19	ng	100
50) 2,6-Dinitrotoluene	9.08	165	5869	1.28	ng	# 1
51) Acenaphthene	9.43	154	4978	0.30	ng	97
54) Dibenzofuran	9.65	168	4037	0.17	ng	# 91
55) 4-Nitrophenol	9.65	139	1616	0.43	ng	# 25
56) 2,4-Dinitrotoluene	9.39	165	35160	6.27	ng	# 33
57) Fluorene	10.07	166	5714	0.30	ng	96
59) Diethylphthalate	9.95	149	1954	0.10	ng	# 84
62) Azobenzene	10.29	77	230	0.01	ng	# 7
64) 4,6-Dinitro-2-methylphenol	10.37	198	589	0.18	ng	# 1
65) n-Nitrosodiphenylamine	10.37	169	9170	0.53	ng	# 46

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

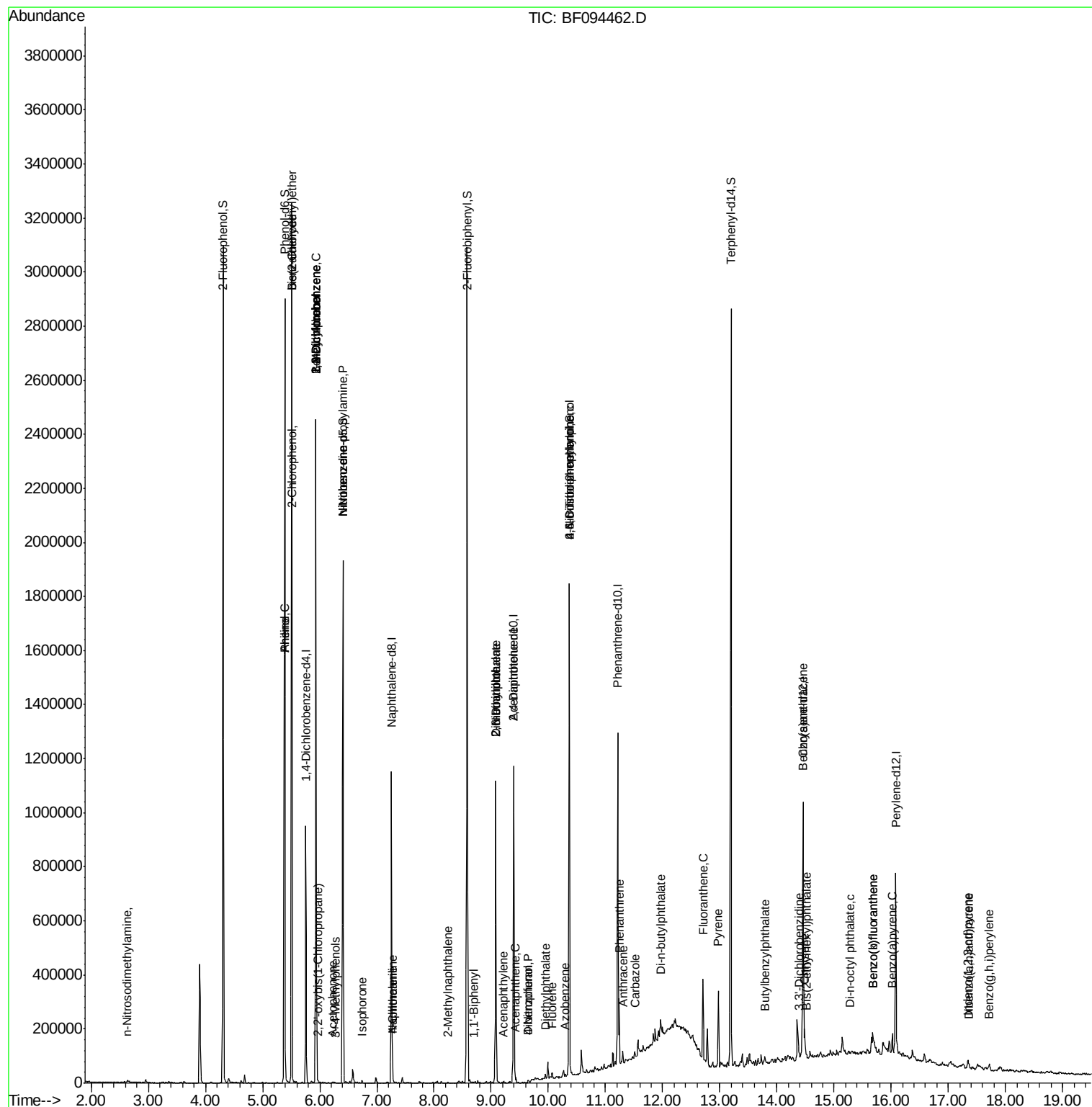
70) Phenanthrene	11.24	178	93086	3.32	ng	97
71) Anthracene	11.30	178	18801	0.65	ng	95
72) Carbazole	11.51	167	8723	0.32	ng	# 92
73) Di-n-butylphthalate	11.97	149	4501	0.15	ng	# 89
74) Fluoranthene	12.71	202	124118	4.27	ng	97
77) Pyrene	12.97	202	117054	4.51	ng	96
79) Butylbenzylphthalate	13.79	149	1414	0.12	ng	# 62
80) Benzo(a)anthracene	14.45	228	45177	2.09	ng	97
81) 3,3'-Dichlorobenzidine	14.40	252	120	0.02	ng	# 1
82) Chrysene	14.49	228	43899	2.23	ng	96
83) Bis(2-ethylhexyl)phthalate	14.52	149	1957	0.13	ng	# 92
84) Di-n-octyl phthalate	15.27	149	1129	0.04	ng	# 1
85) Indeno(1,2,3-cd)pyrene	17.34	276	17518	0.93	ng	95
87) Benzo(b)fluoranthene	15.68	252	53739	3.34	ng	# 95
88) Benzo(k)fluoranthene	15.68	252	53739	3.53	ng	98
89) Benzo(a)pyrene	16.02	252	28620	1.91	ng	# 93
90) Dibenzo(a,h)anthracene	17.36	278	4732	0.38	ng	# 75
91) Benzo(g,h,i)perylene	17.72	276	16582	1.31	ng	93

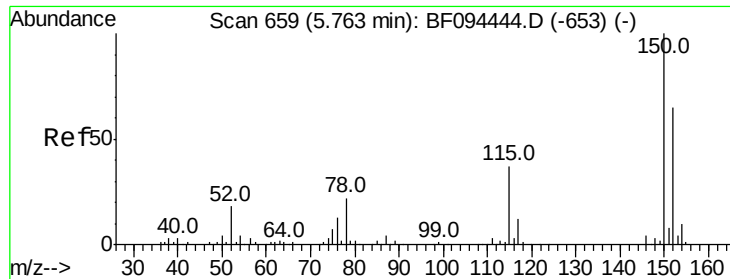
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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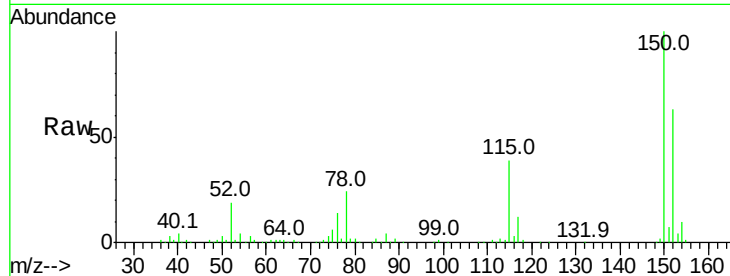


#1

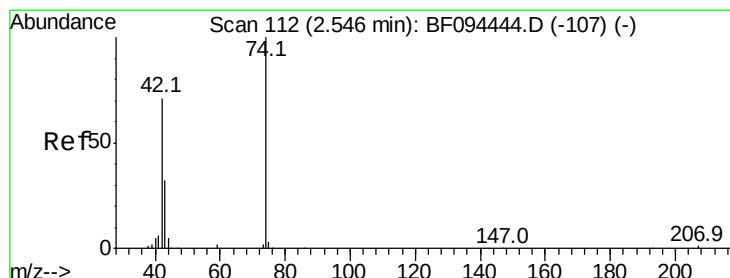
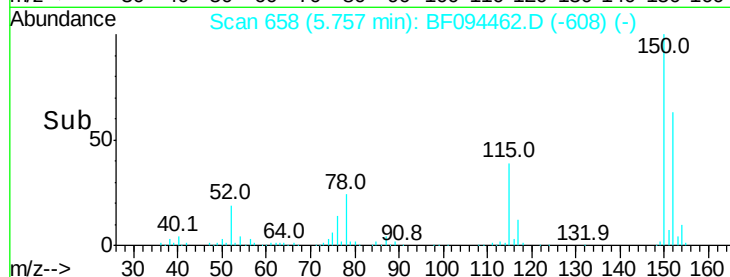
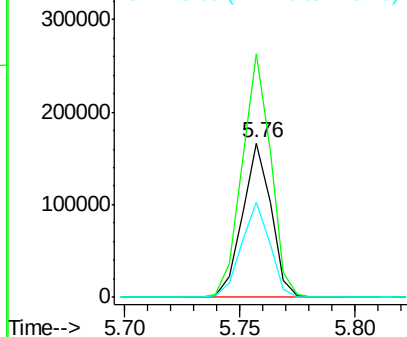
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144159
Ion Ratio Lower Upper
152 100
150 158.1 126.2 189.2
115 61.5 52.2 78.2



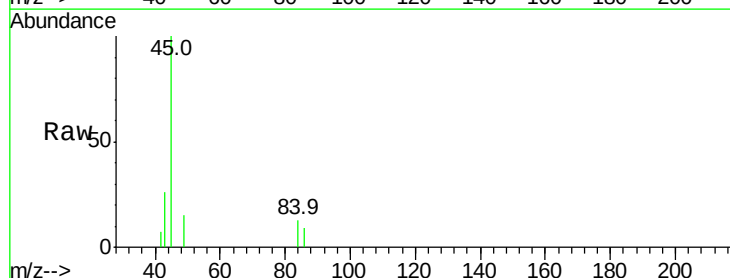
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



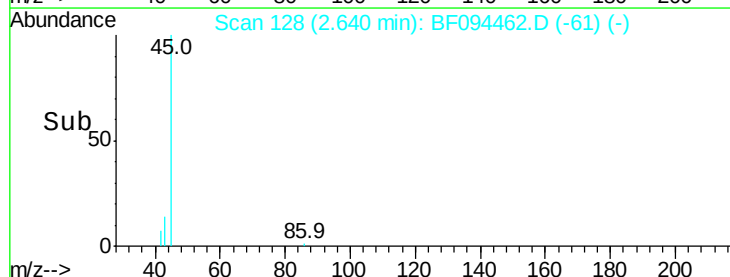
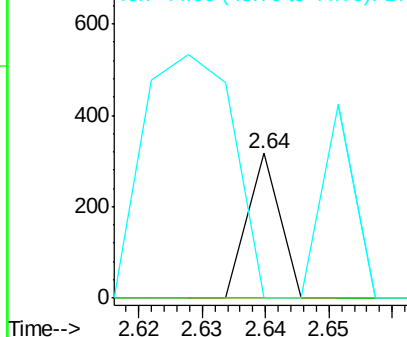
#4

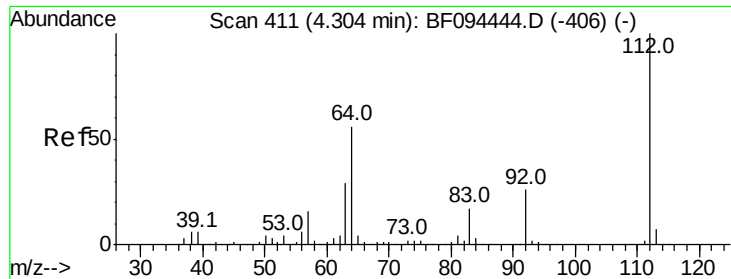
n-Nitrosodimethylamine
Concen: 0.02 ng
RT: 2.64 min Scan# 128
Delta R.T. 0.09 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

Tgt Ion: 42 Resp: 112
Ion Ratio Lower Upper
42 100
74 0.0 103.9 155.9#
44 0.0 5.7 8.5#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 106.51 ng

RT: 4.31 min Scan# 412

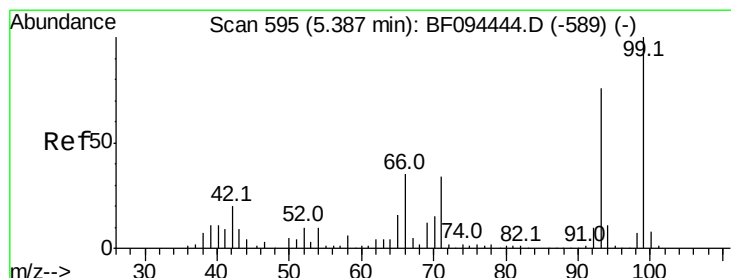
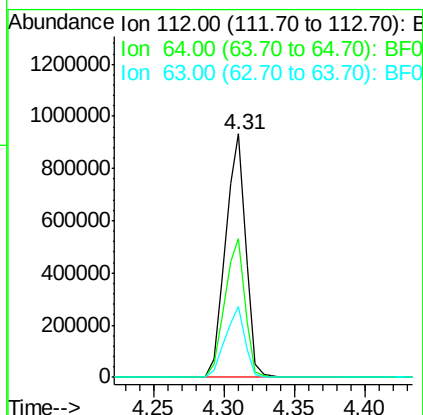
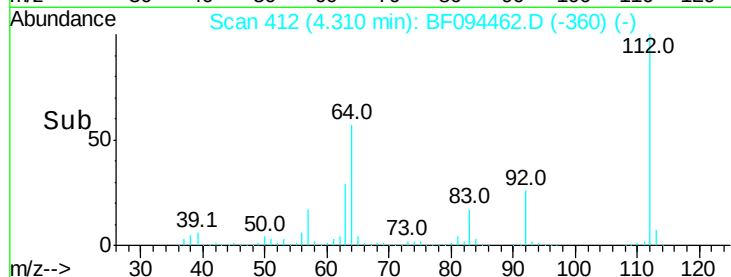
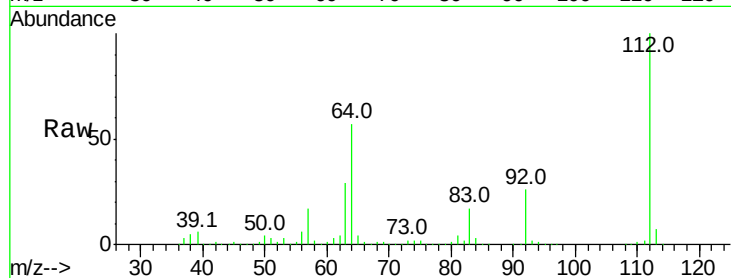
Delta R.T. 0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	112	Resp:	925524
Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.0	69.0
63	29.0	23.4	35.0



#6

Aniline

Concen: 0.03 ng

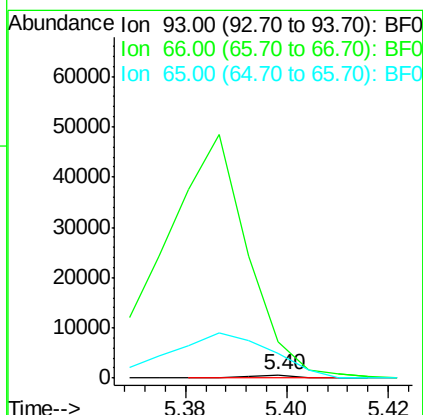
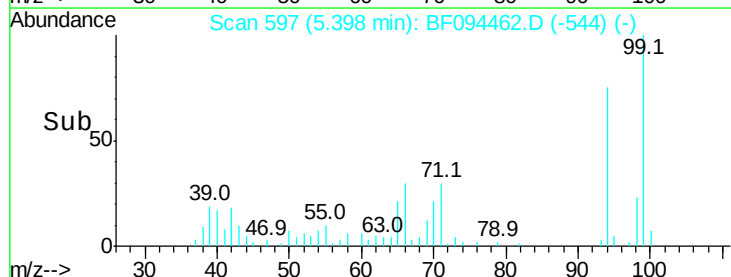
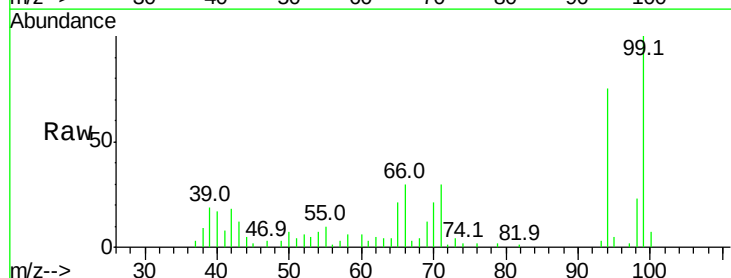
RT: 5.40 min Scan# 597

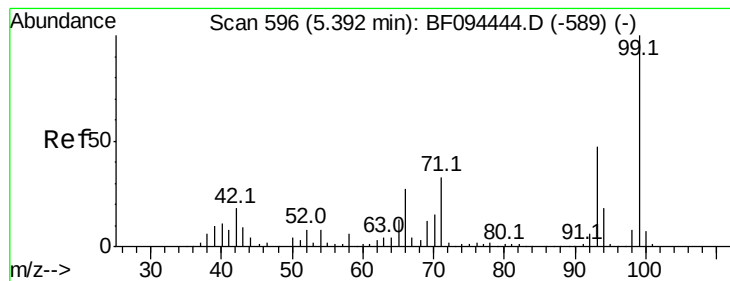
Delta R.T. 0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Tgt Ion:	93	Resp:	369
Ion	Ratio	Lower	Upper
93	100		
66	1100.3	32.9	49.3#
65	755.7	16.0	24.0#





#7

Phenol-d6

Concen: 118.56 ng

RT: 5.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampleId :

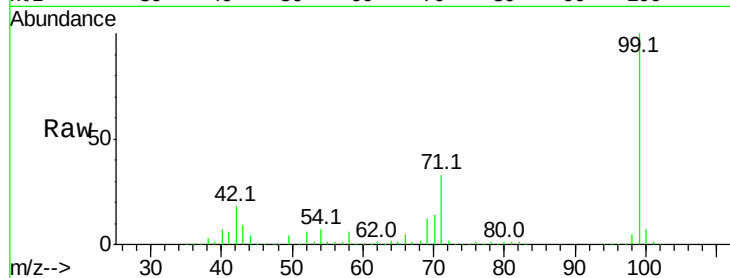
Tot Ion: 99 Resp: 1214503

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.5	20.3
71	33.3	24.5	36.7

99 100

42 17.8 13.5 20.3

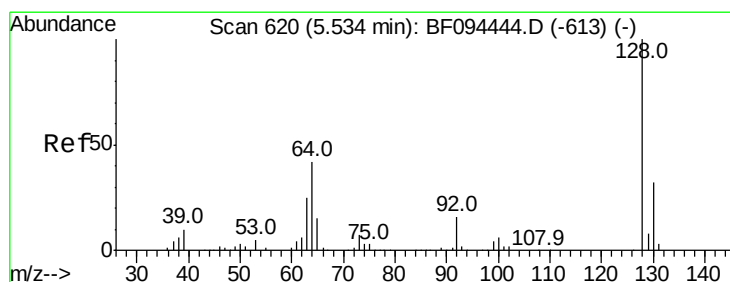
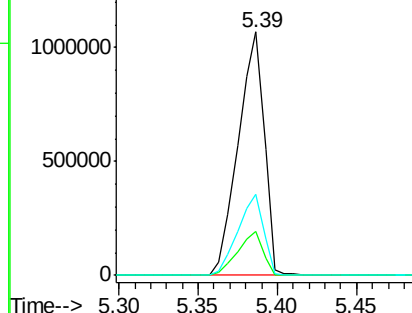
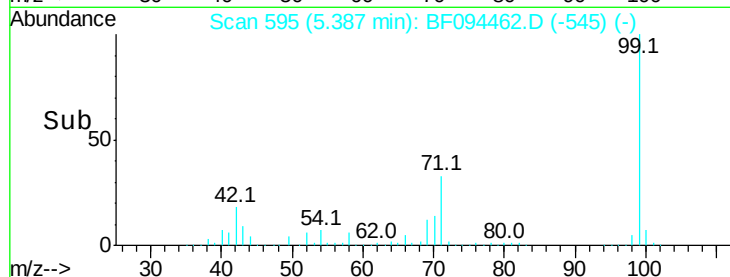
71 33.3 24.5 36.7



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: 0.14 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

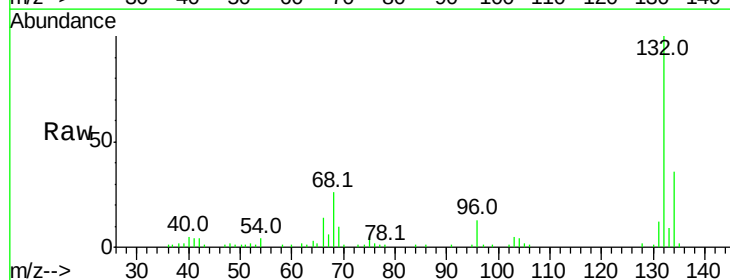
Tgt Ion: 128 Resp: 1409

Ion	Ratio	Lower	Upper
128	100		
130	41.4	12.9	52.9
64	145.9	28.4	68.4

128 100

130 41.4 12.9 52.9

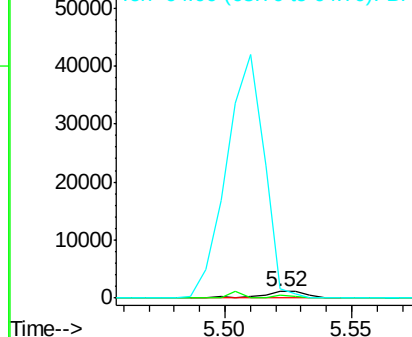
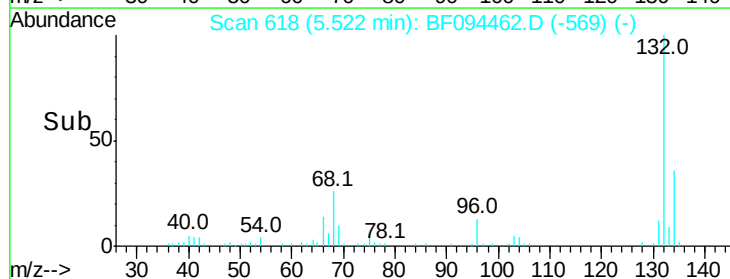
64 145.9 28.4 68.4

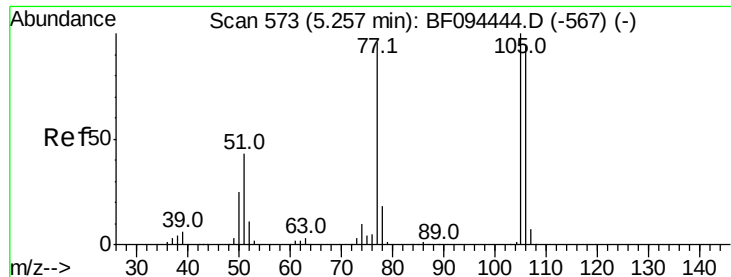


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 2.63 ng

RT: 5.51 min Scan# 616

Delta R.T. 0.25 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampled :

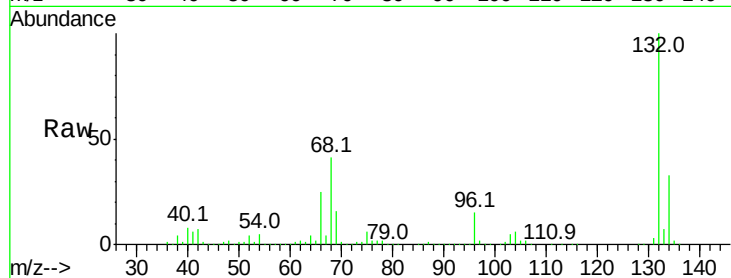
Tot Ion: 77 Resp: 20525

Ion Ratio Lower Upper

77 100

105 84.2 83.8 123.8

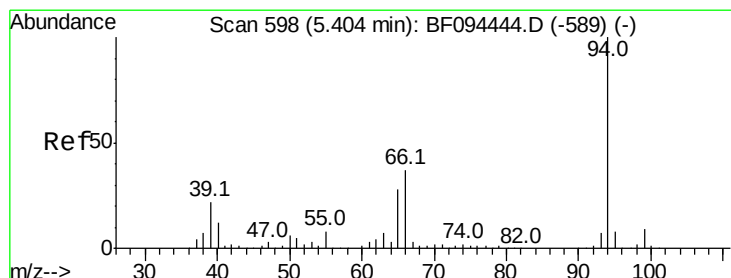
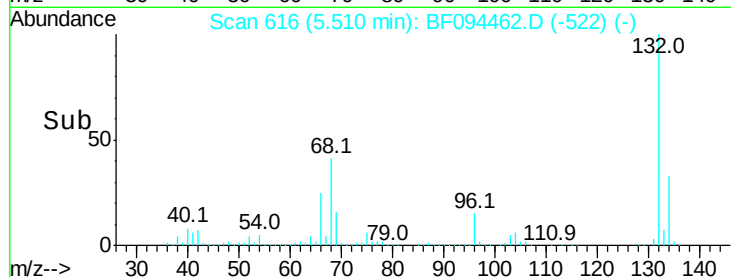
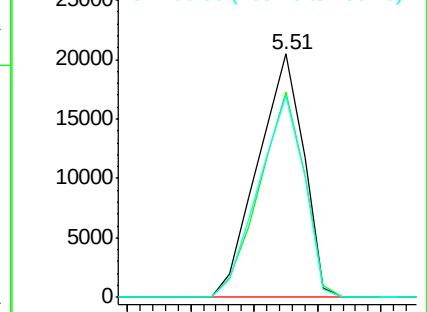
106 82.6 79.1 119.1



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: 1.05 ng

RT: 5.40 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

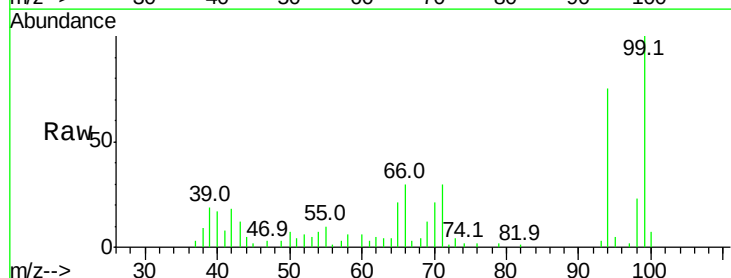
Tgt Ion: 94 Resp: 13186

Ion Ratio Lower Upper

94 100

65 27.5 9.9 49.9

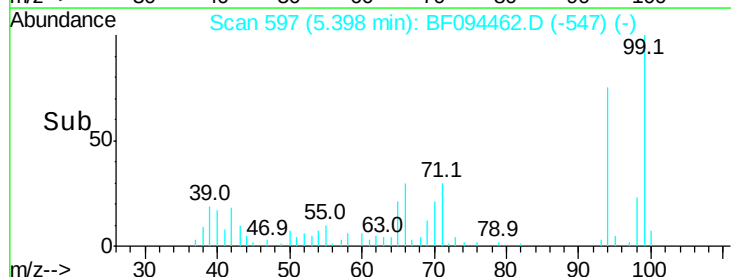
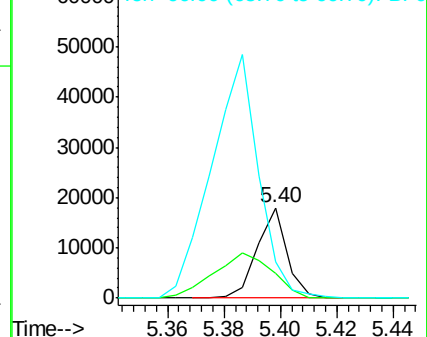
66 40.1 23.1 63.1

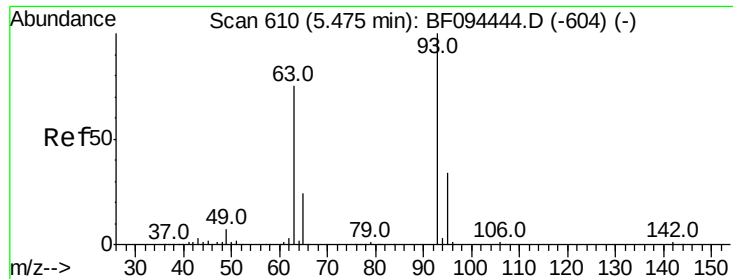


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 0.15 ng

RT: 5.51 min Scan# 616

Delta R.T. 0.04 min

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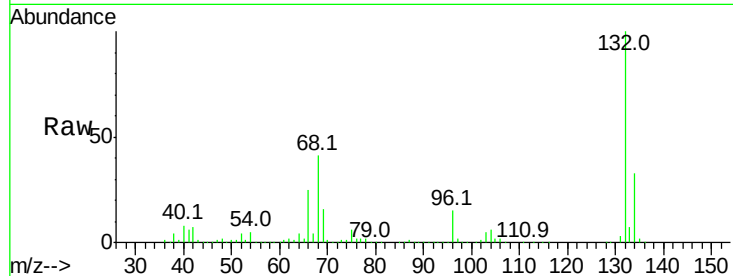
Tot Ion: 93 Resp: 1423

Ion Ratio Lower Upper

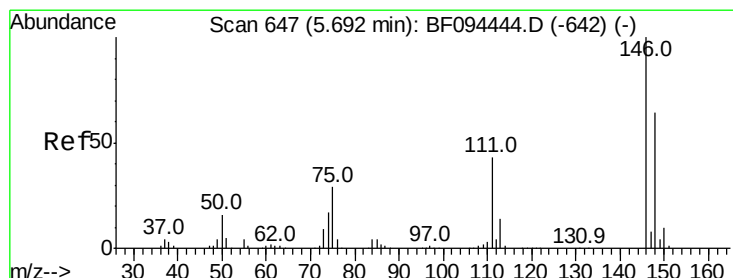
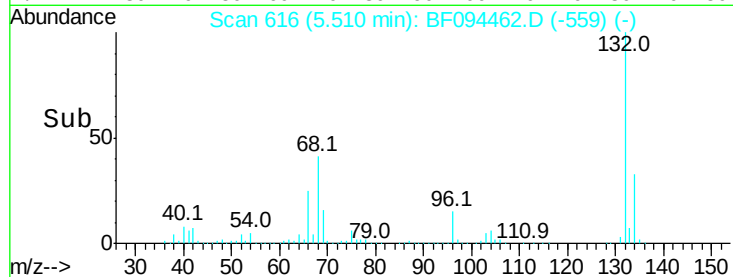
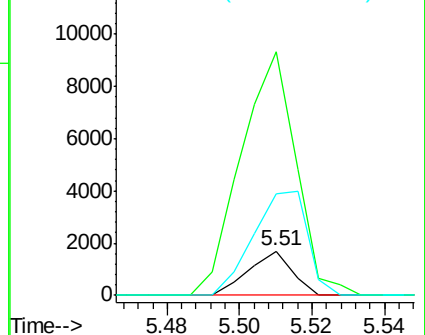
93 100

63 546.3 59.2 99.2#

95 228.0 12.8 52.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 0.02 ng

RT: 5.93 min Scan# 688

Delta R.T. 0.24 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

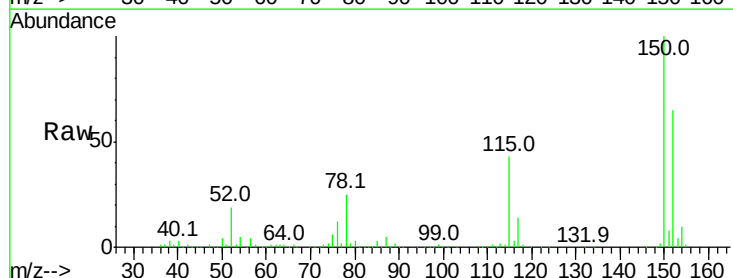
Tgt Ion: 146 Resp: 231

Ion Ratio Lower Upper

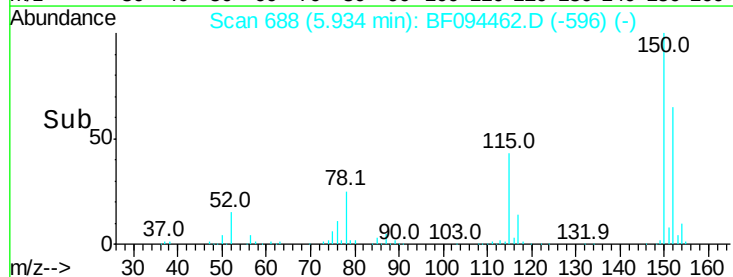
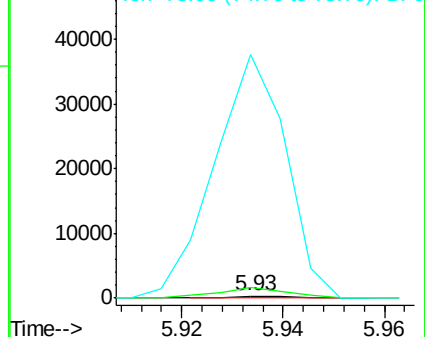
146 100

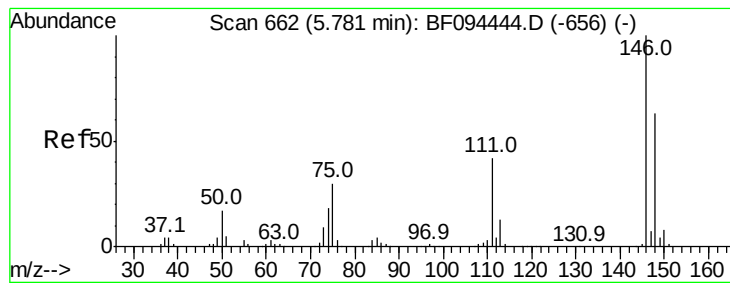
148 489.1 51.8 77.6#

75 11398.8 23.1 34.7#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 0.02 ng

RT: 5.93 min Scan# 688

Delta R.T. 0.15 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampled :

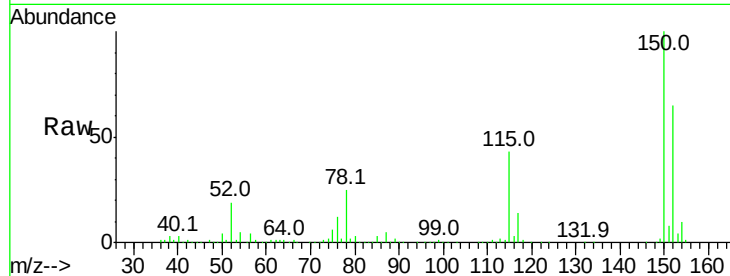
Tot Ion:146 Resp: 231

Ion Ratio Lower Upper

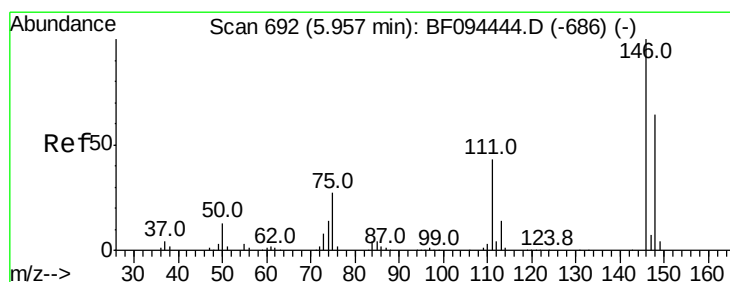
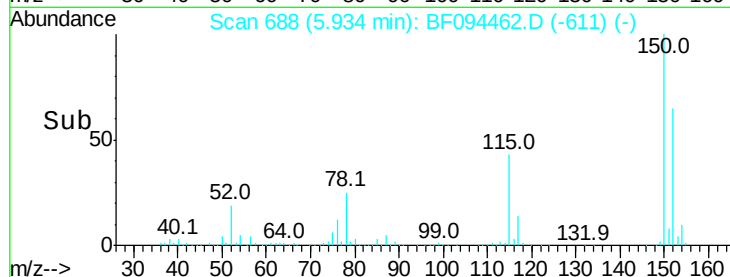
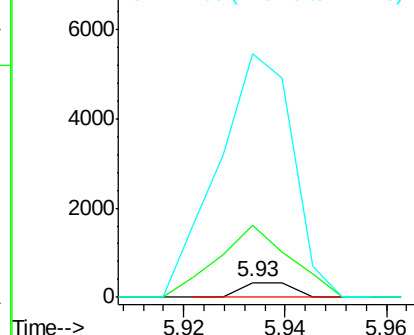
146 100

148 489.1 52.2 78.2#

111 1652.4 30.3 45.5#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 0.02 ng

RT: 5.93 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

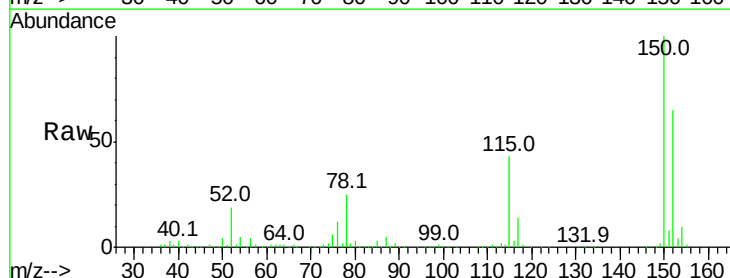
Tgt Ion:146 Resp: 231

Ion Ratio Lower Upper

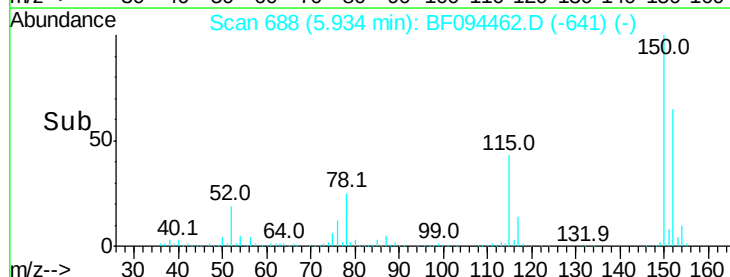
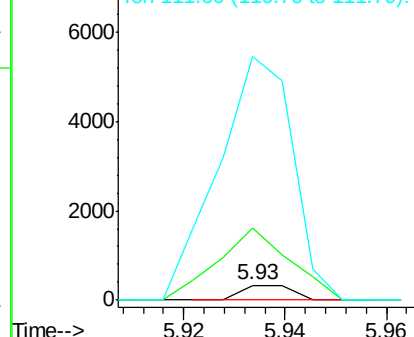
146 100

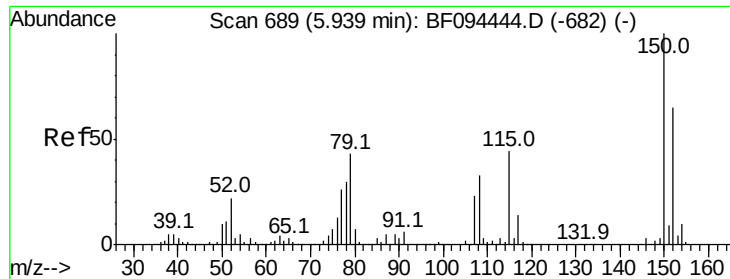
148 489.1 50.4 75.6#

111 1652.4 38.2 57.4#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.53 ng

RT: 5.93 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampleId :

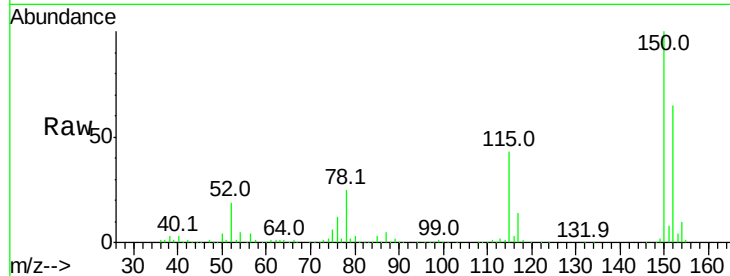
Tot Ion: 79 Resp: 11650

Ion Ratio Lower Upper

79 100

108 26.8 63.4 95.0#

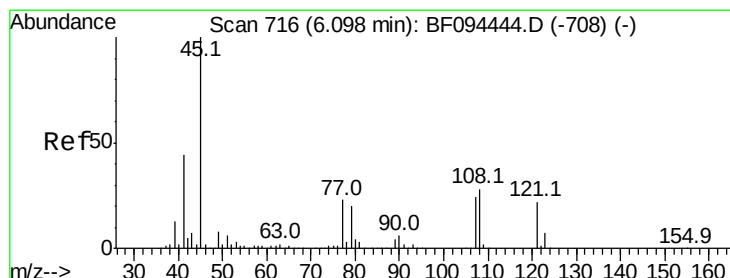
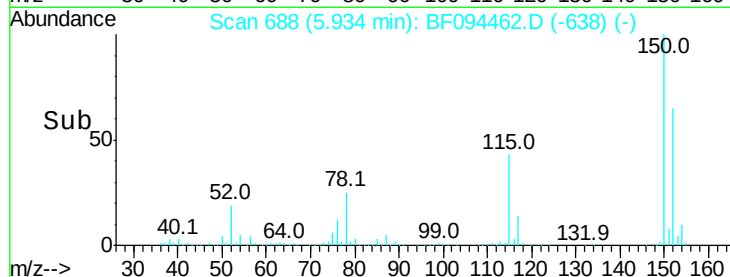
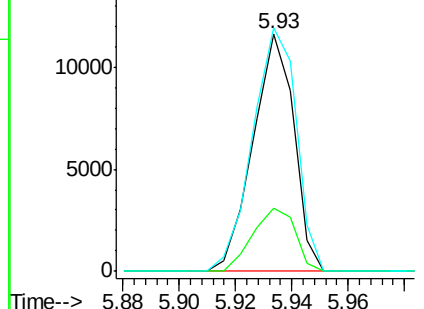
77 102.6 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.05 ng

RT: 5.97 min Scan# 694

Delta R.T. -0.13 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

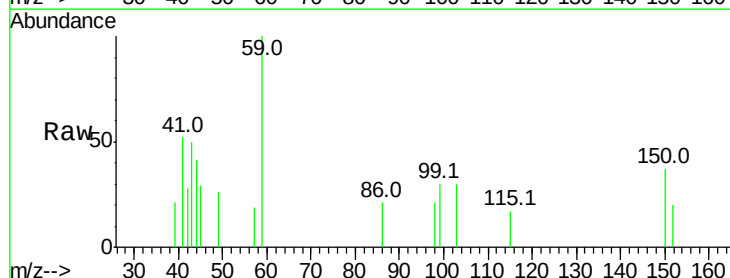
Tgt Ion: 45 Resp: 579

Ion Ratio Lower Upper

45 100

77 0.0 0.0 33.2

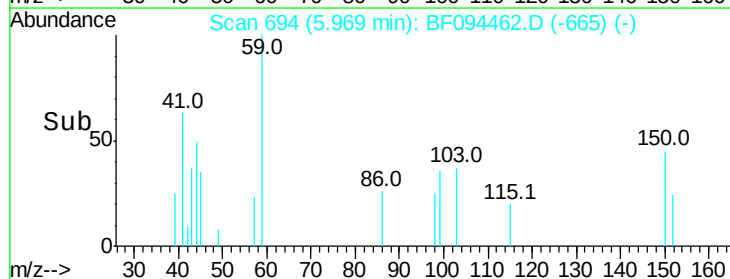
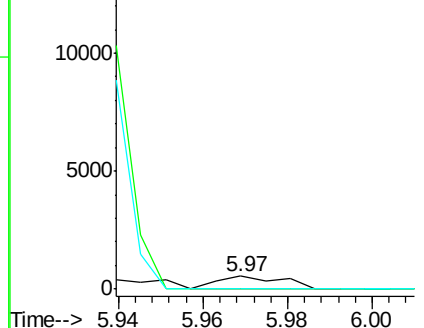
79 0.0 0.0 30.0

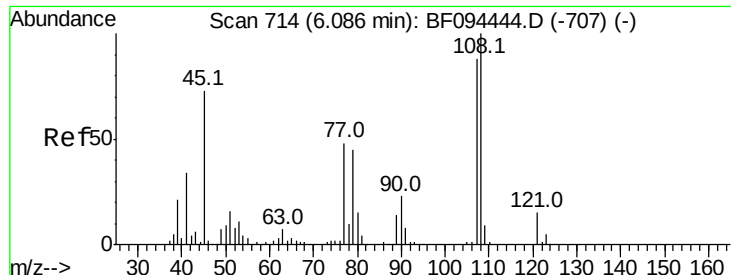


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

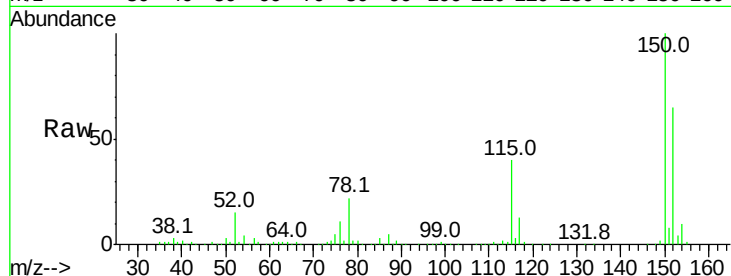




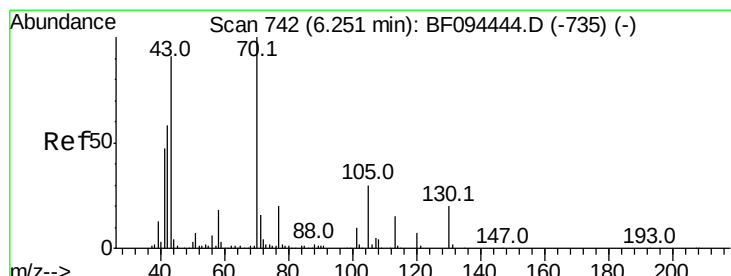
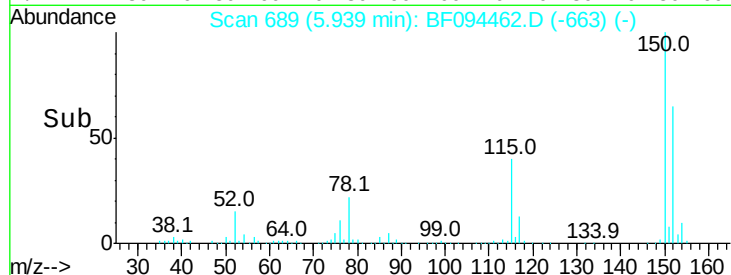
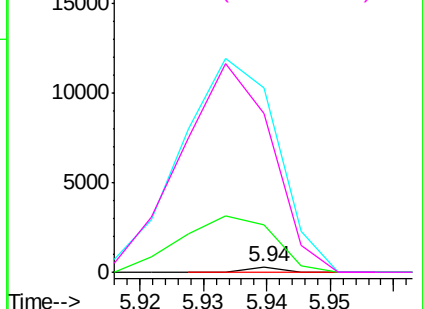
#17
2-Methylphenol
Concen: 0.01 ng
RT: 5.94 min Scan# 689
Delta R.T. -0.15 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 109
Ion Ratio Lower Upper
107 100
108 865.9 93.4 140.0#
77 3349.7 35.8 53.6#
79 2872.1 34.8 52.2#



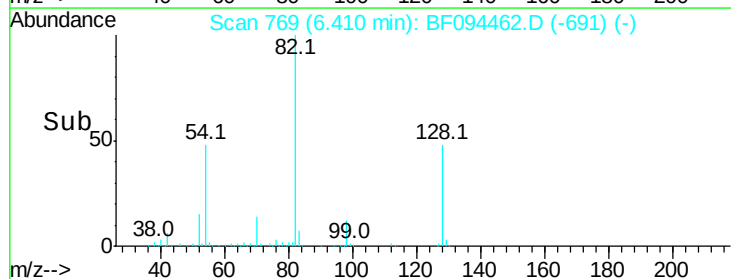
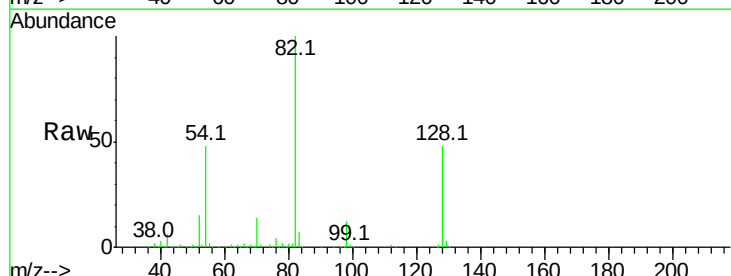
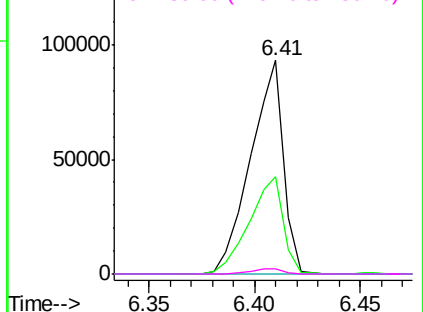
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

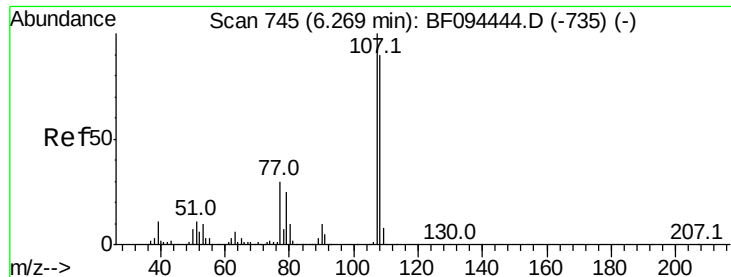


#19
n-Nitroso-di-n-propylamine
Concen: 14.81 ng
RT: 6.41 min Scan# 769
Delta R.T. 0.16 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

Tgt Ion: 70 Resp: 100489
Ion Ratio Lower Upper
70 100
42 45.5 47.2 70.8#
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#

Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

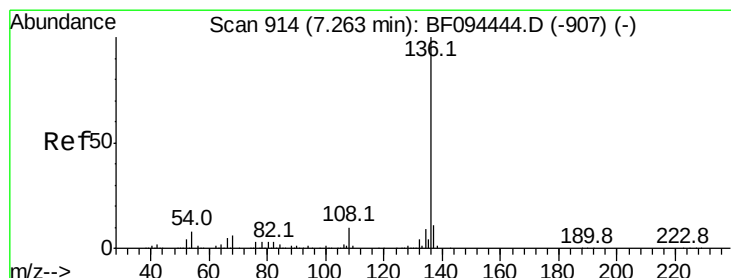
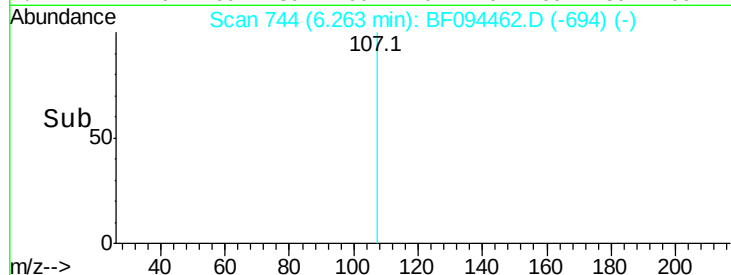
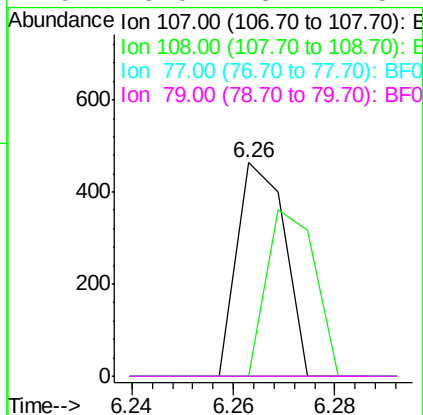
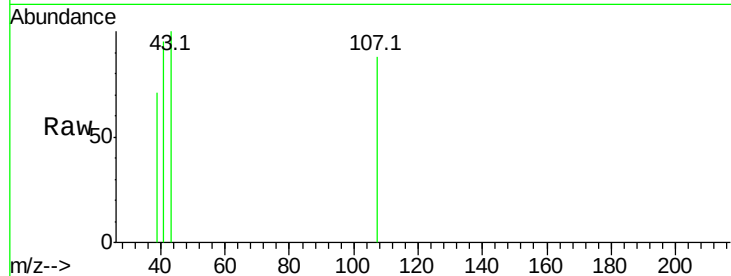




#20
3+4-Methylphenols
Concen: 0.03 ng
RT: 6.26 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

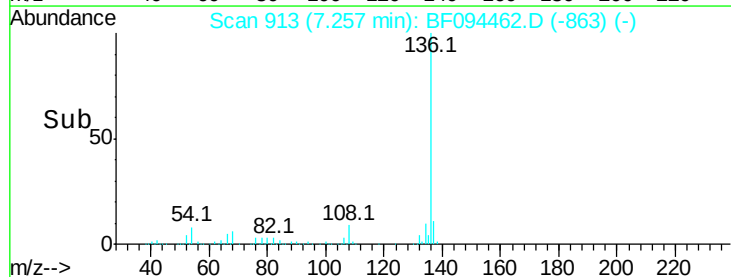
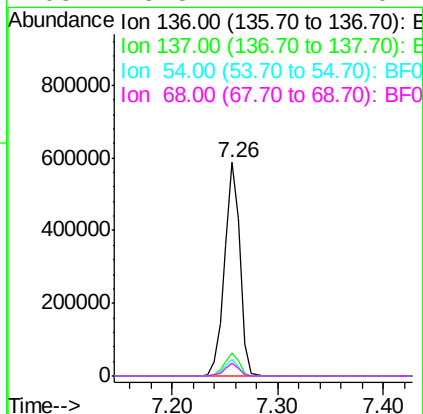
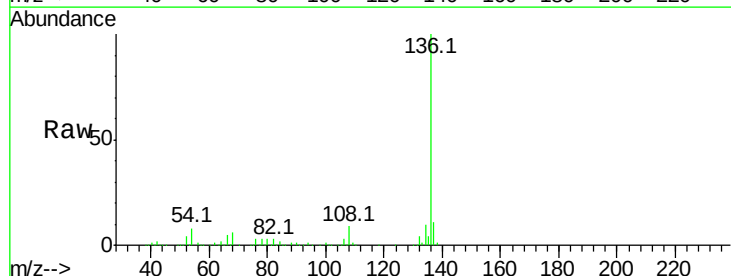
Instrument :
BNA_F
ClientSampleId :

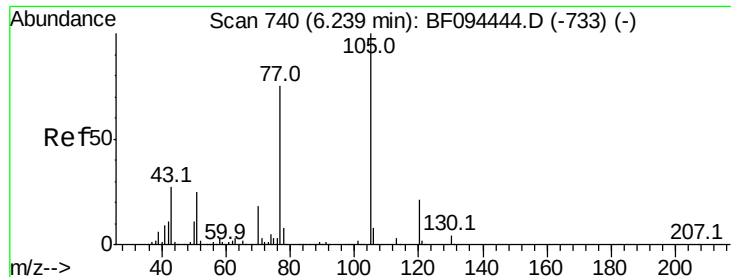
Tot Ion:	107	Resp:	305
Ion	Ratio	Lower	Upper
107	100		
108	0.0	71.0	111.0#
77	0.0	90.5	130.5#
79	0.0	8.4	48.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.26 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

Tgt Ion:	136	Resp:	591742
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.8	4.9	7.3#
68	5.8	4.1	6.1





#22

Acetophenone

Concen: 0.03 ng

RT: 6.23 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 394

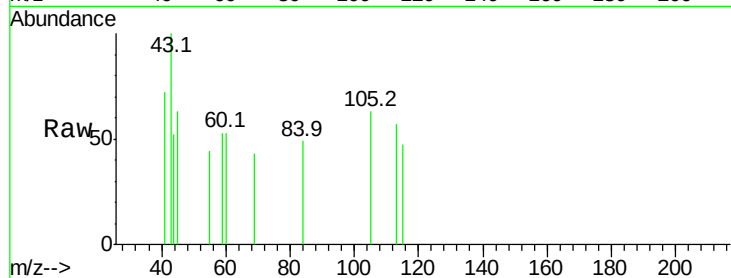
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 0.0 30.7 46.1#

120 0.0 17.4 26.0#

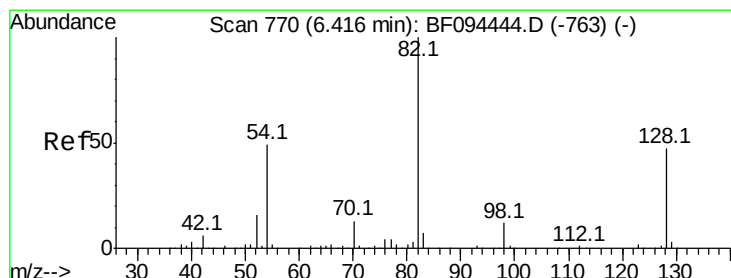
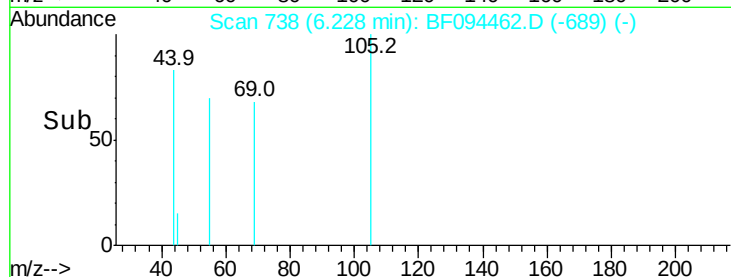
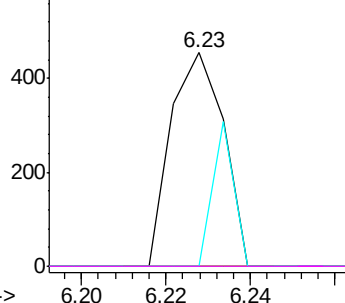


Abundance Ion 105.00 (104.70 to 105.70): E

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: 78.74 ng

RT: 6.41 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

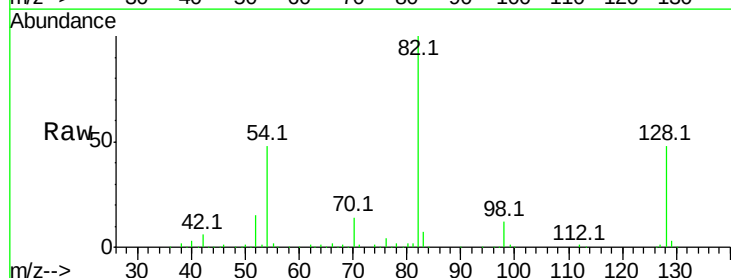
Tgt Ion: 82 Resp: 754536

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

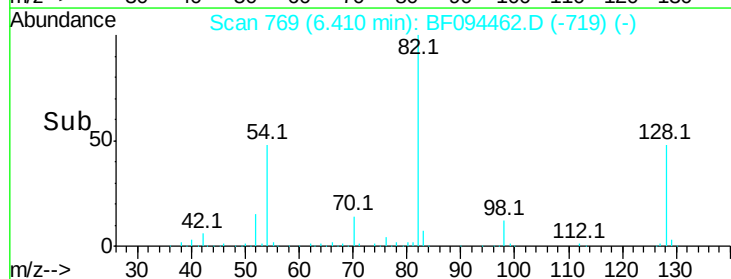
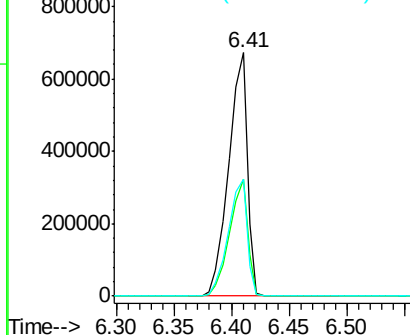
54 48.2 42.2 63.2

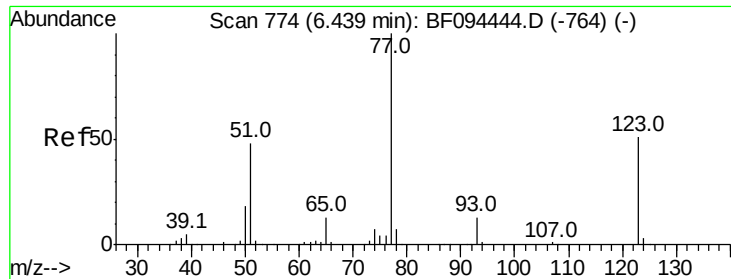


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

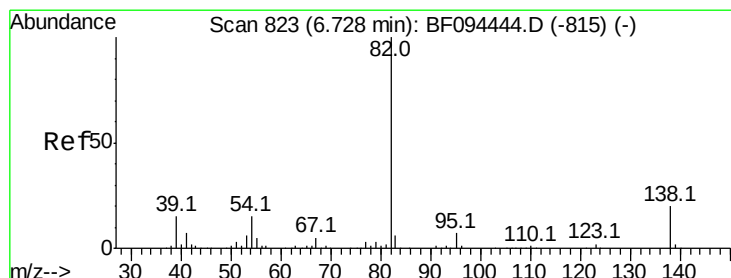
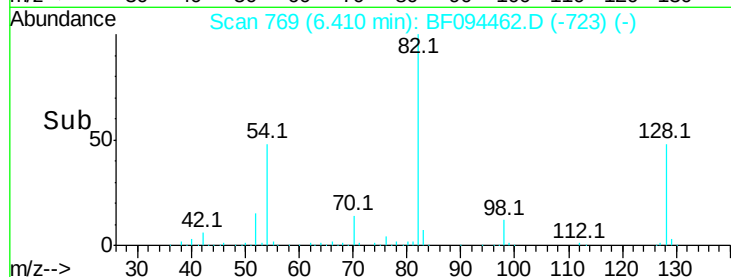
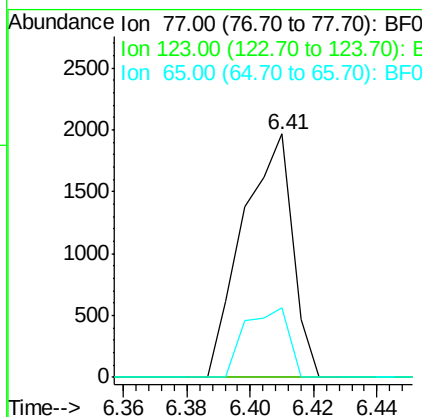
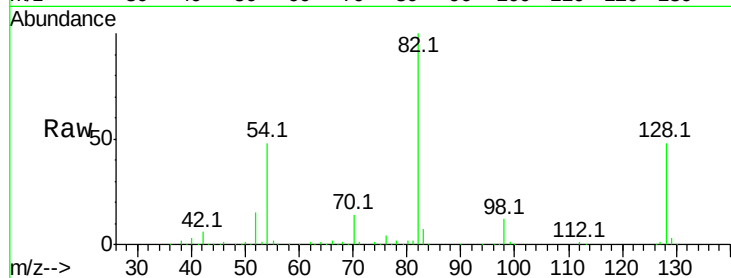




#24
 Nitrobenzene
 Concen: 0.21 ng
 RT: 6.41 min Scan# 769
 Delta R.T. -0.03 min
 Lab File: BF094462.D
 Acq: 17 Apr 2017 21:09

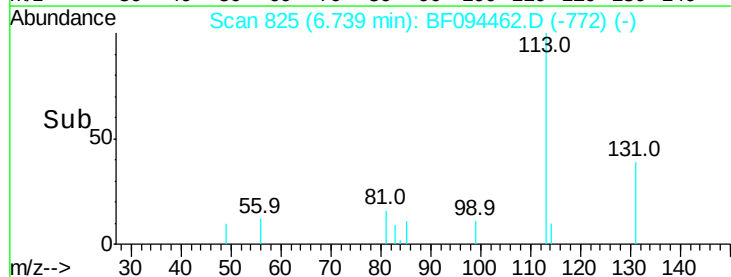
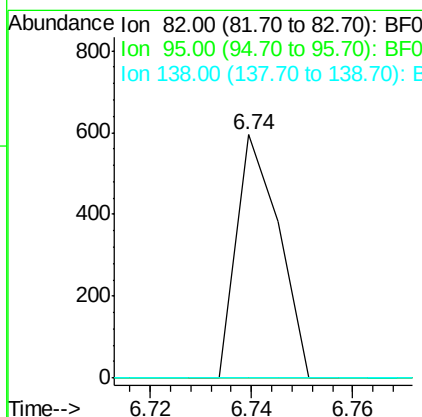
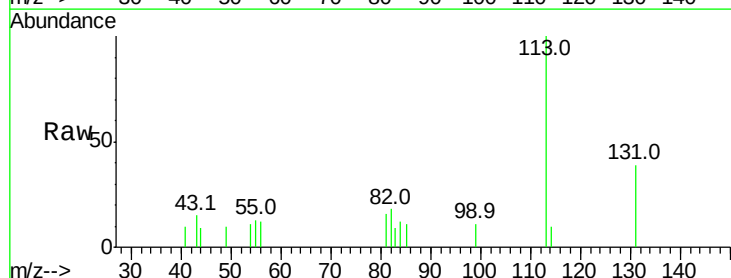
Instrument :
 BNA_F
 ClientSampled :

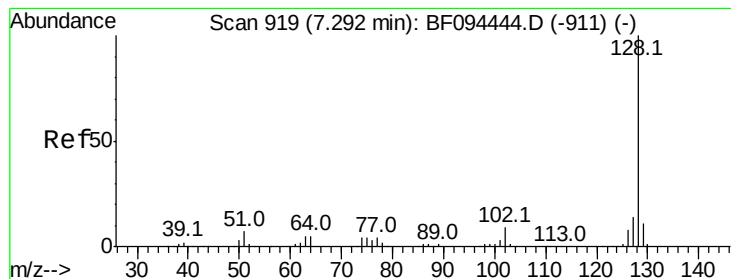
Tot Ion: 77 Resp: 2130
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.8 53.8#
 65 28.7 10.6 15.8#



#25
 Isophorone
 Concen: 0.02 ng
 RT: 6.74 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF094462.D
 Acq: 17 Apr 2017 21:09

Tgt Ion: 82 Resp: 346
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#31

Naphthalene

Concen: 0.24 ng

RT: 7.28 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampleId :

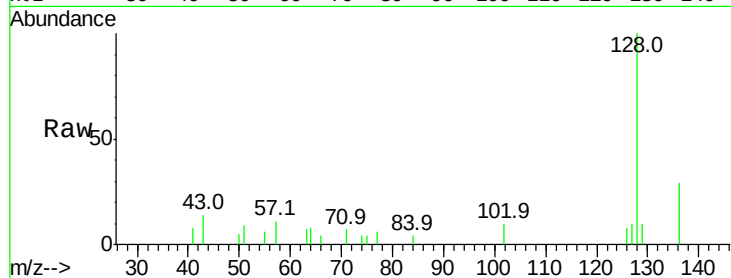
Tot Ion:128 Resp: 6754

Ion Ratio Lower Upper

128 100

129 10.0 9.0 13.6

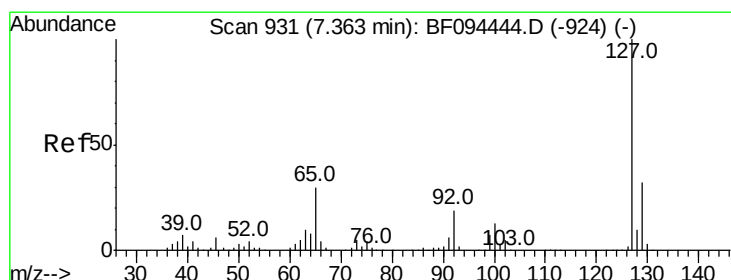
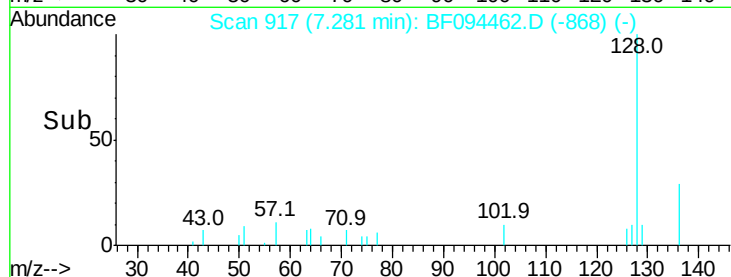
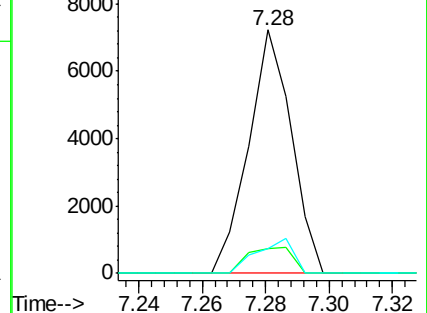
127 10.4 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 0.07 ng

RT: 7.29 min Scan# 918

Delta R.T. -0.08 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Tgt Ion:127 Resp: 816

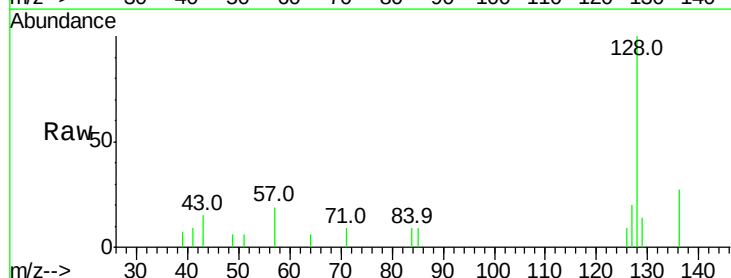
Ion Ratio Lower Upper

127 100

129 73.7 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

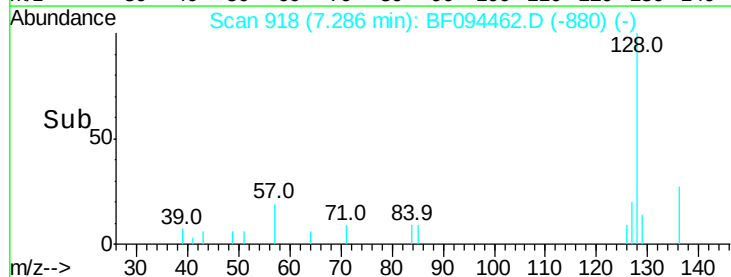
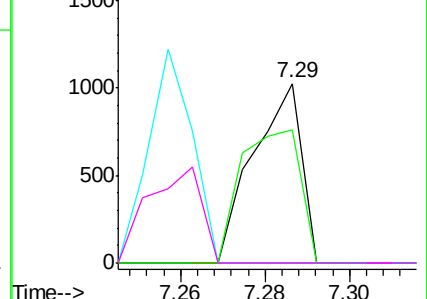


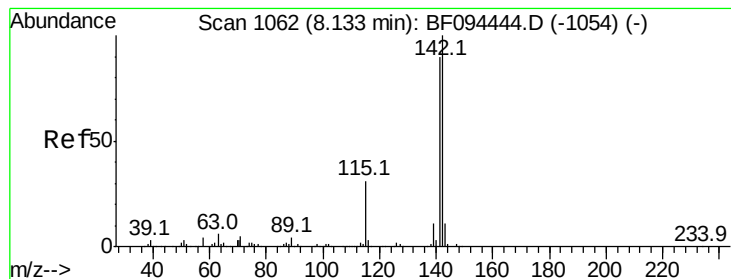
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 0.08 ng

RT: 8.25 min Scan# 1081

Delta R.T. 0.11 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampleId :

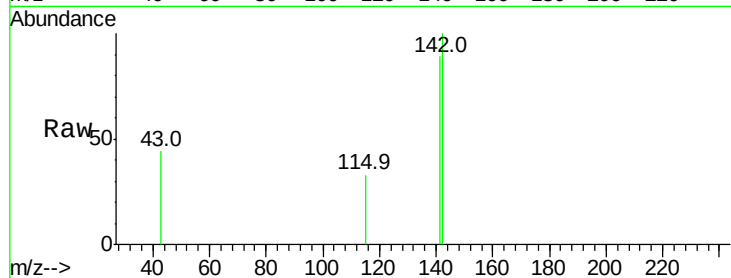
Tot Ion:142 Resp: 1610

Ion Ratio Lower Upper

142 100

141 88.9 71.3 106.9

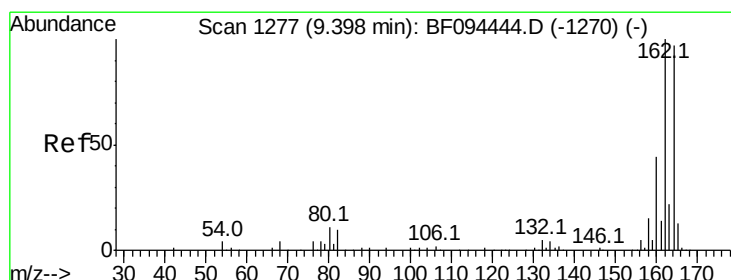
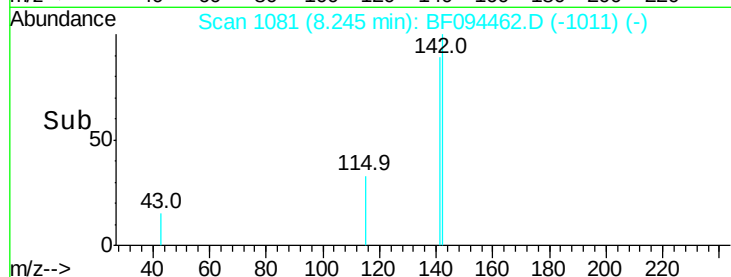
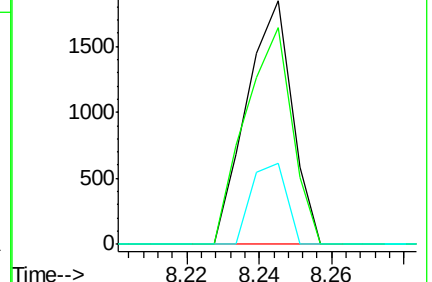
115 33.5 27.1 40.7



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: BF094462.D

Acq: 17 Apr 2017 21:09

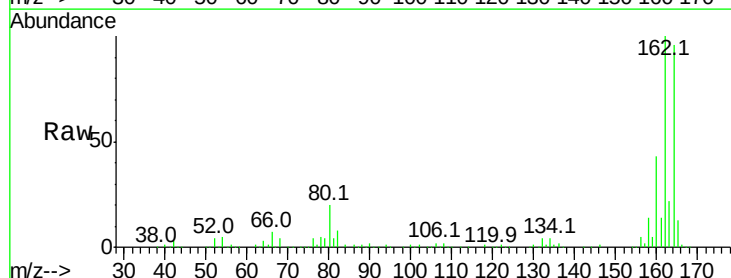
Tgt Ion:164 Resp: 273226

Ion Ratio Lower Upper

164 100

162 104.0 82.6 123.8

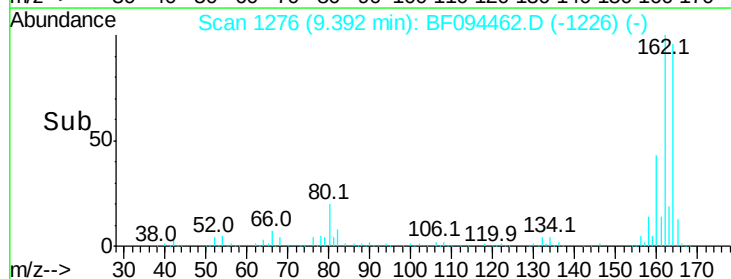
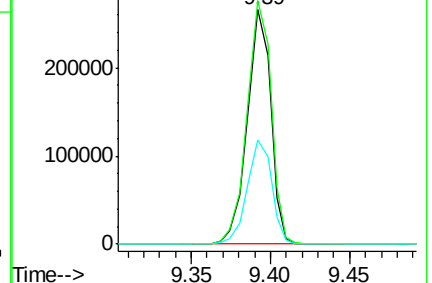
160 44.7 36.2 54.2

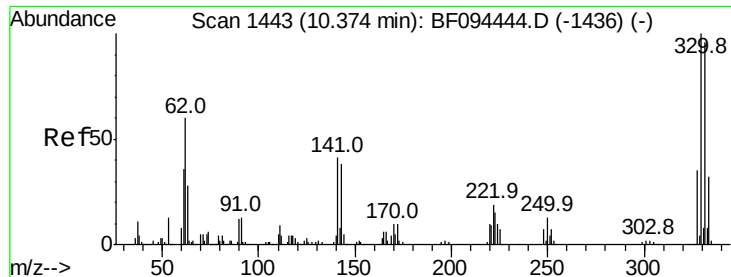


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

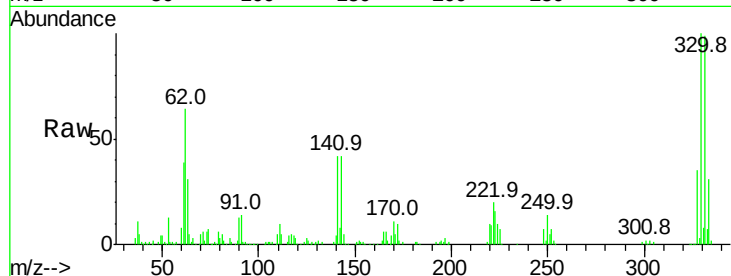




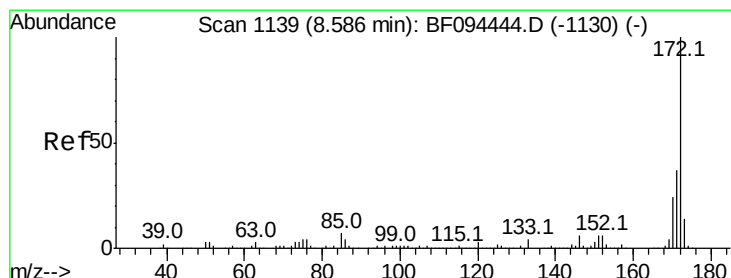
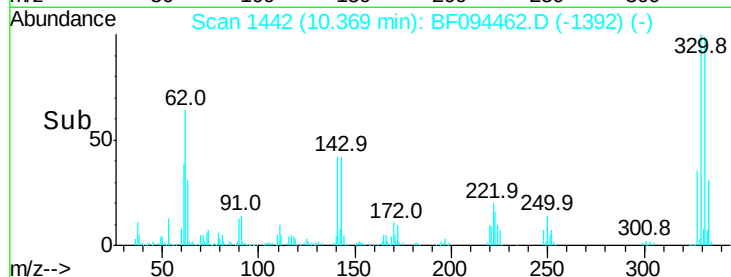
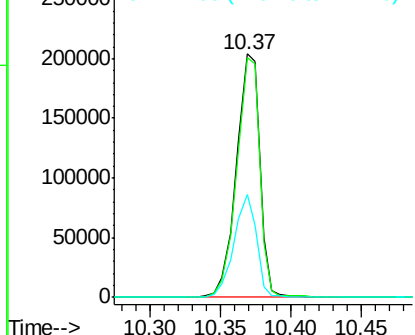
#41
 2,4,6-Tribromophenol
 Concen: 110.82 ng
 RT: 10.37 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF094462.D
 Acq: 17 Apr 2017 21:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 236842
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 40.7 31.4 47.2

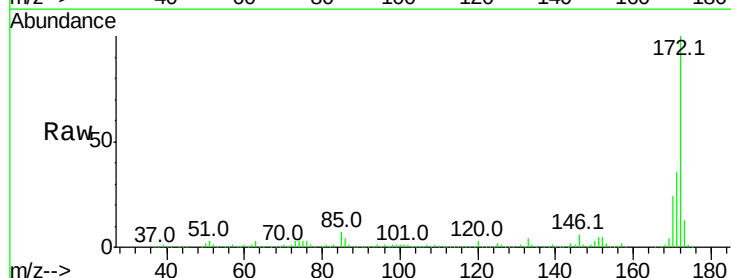


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

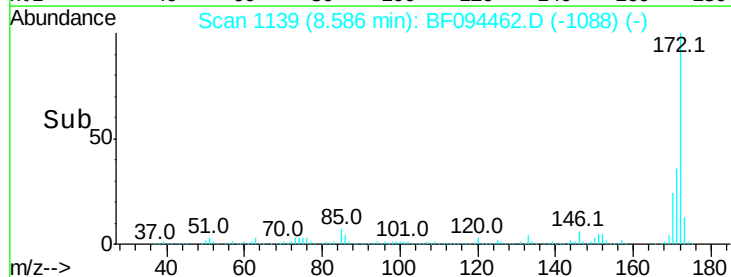
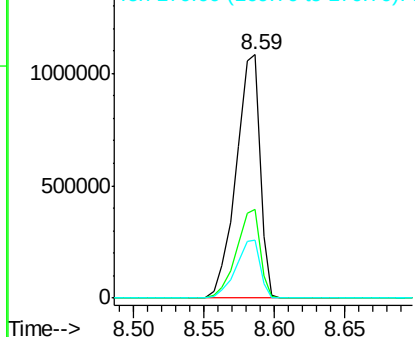


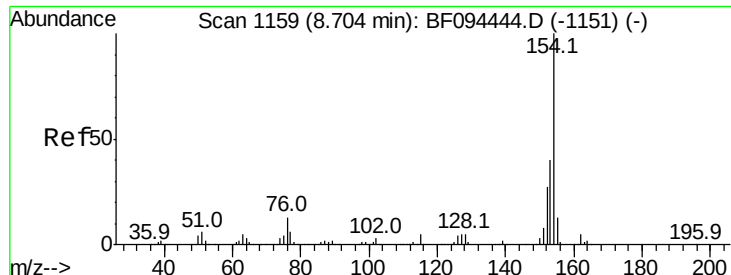
#44
 2-Fluorobiphenyl
 Concen: 69.11 ng
 RT: 8.59 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: BF094462.D
 Acq: 17 Apr 2017 21:09

Tgt Ion:172 Resp: 1283305
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 23.7 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: 0.05 ng

RT: 8.70 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

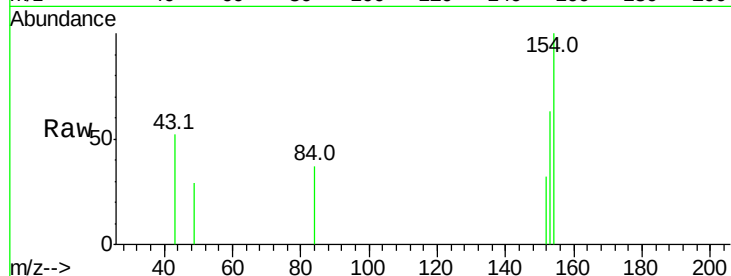
Instrument :

BNA_F

ClientSampleId :

Tot Ion:154 Resp: 1111

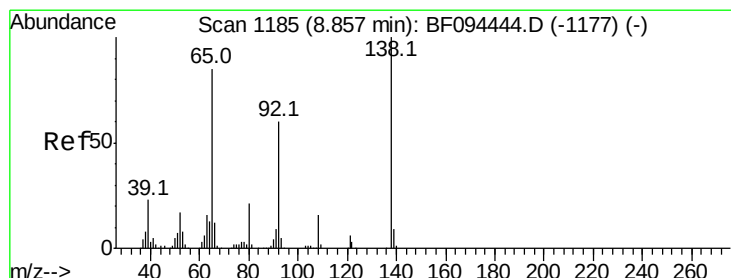
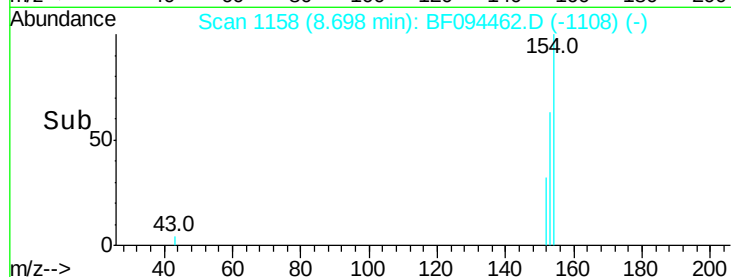
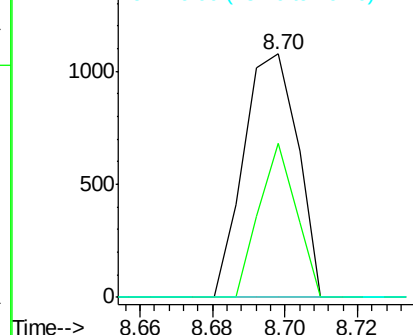
Ion	Ratio	Lower	Upper
154	100		
153	63.1	21.2	61.2#
76	0.0	0.0	29.9



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: 0.93 ng

RT: 9.08 min Scan# 1223

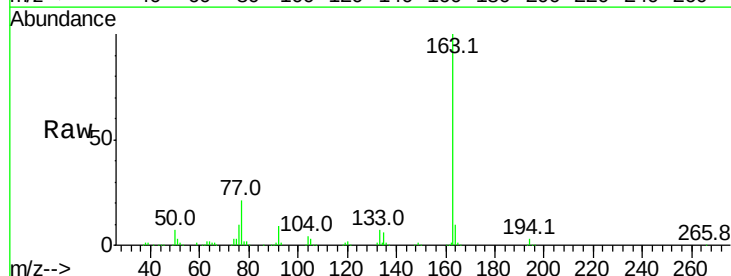
Delta R.T. 0.22 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Tgt Ion: 65 Resp: 4741

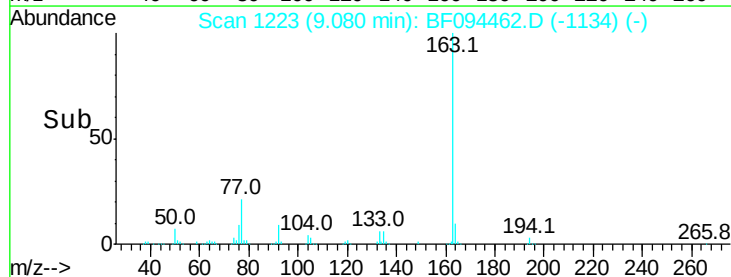
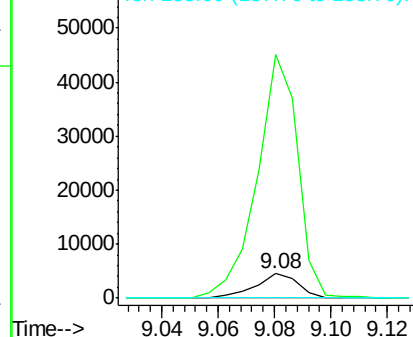
Ion	Ratio	Lower	Upper
65	100		
92	999.0	53.9	80.9#
138	0.0	78.8	118.2#

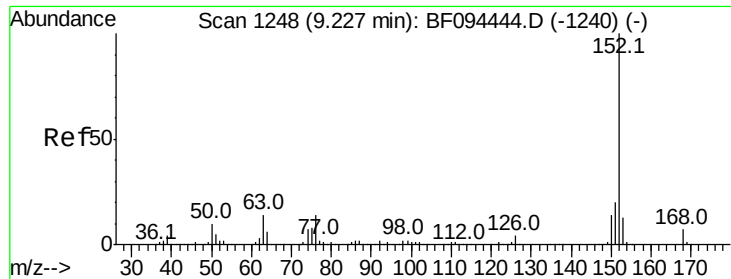


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.07 ng

RT: 9.22 min Scan# 1246

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampled :

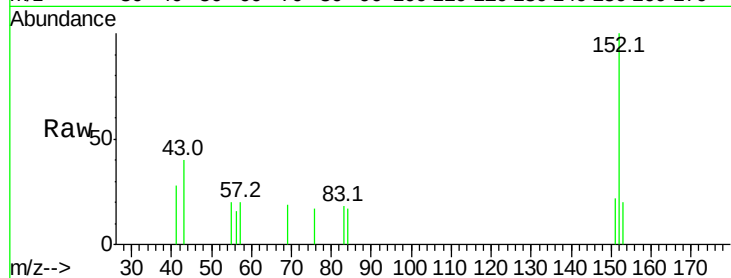
Tot Ion:152 Resp: 1918

Ion Ratio Lower Upper

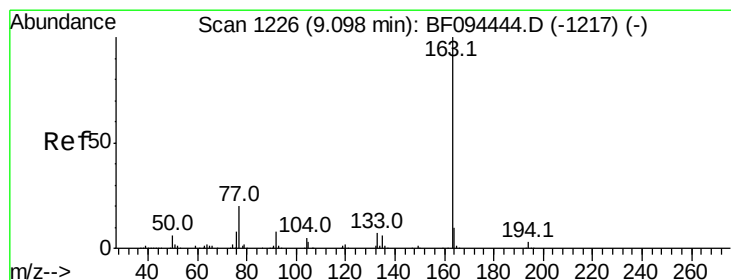
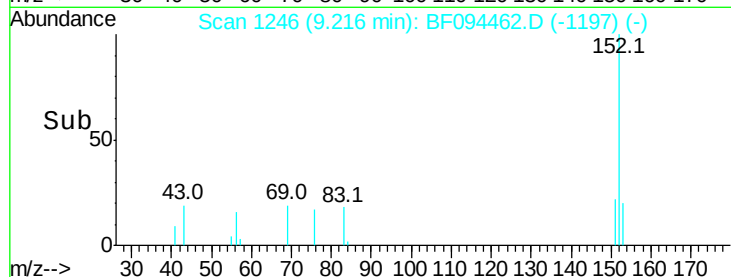
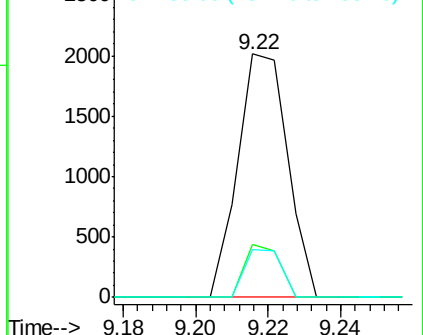
152 100

151 21.7 16.8 25.2

153 19.5 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: 27.19 ng

RT: 9.08 min Scan# 1223

Delta R.T. -0.02 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

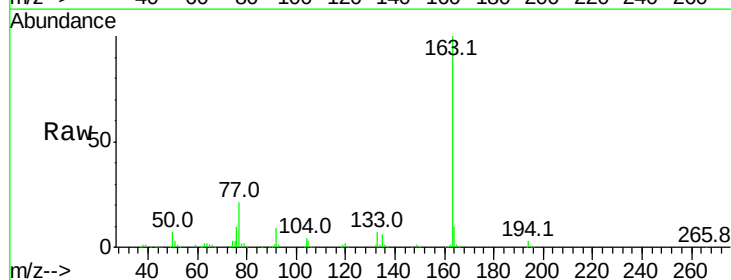
Tgt Ion:163 Resp: 553603

Ion Ratio Lower Upper

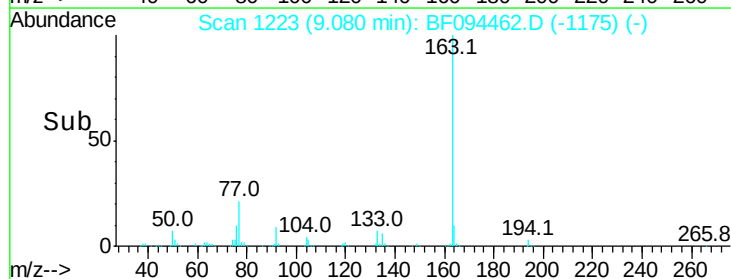
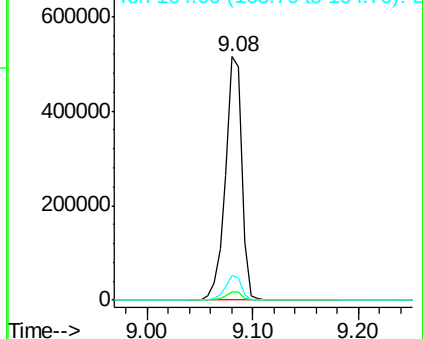
163 100

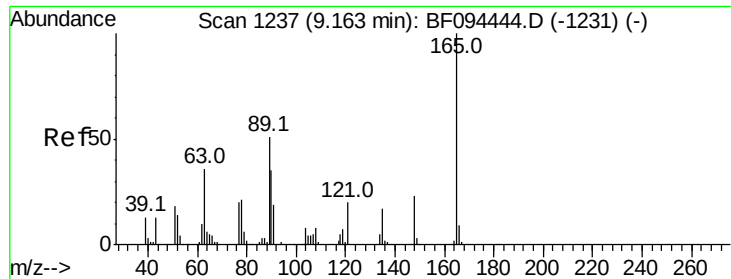
194 3.2 2.6 4.0

164 10.4 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

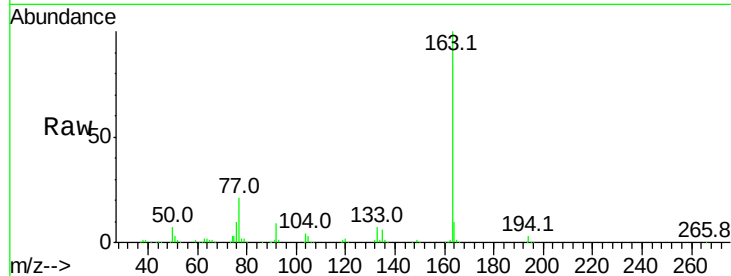




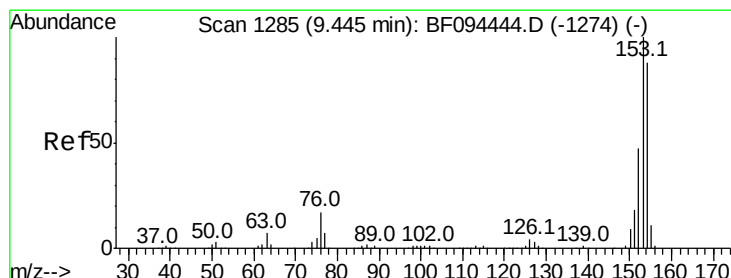
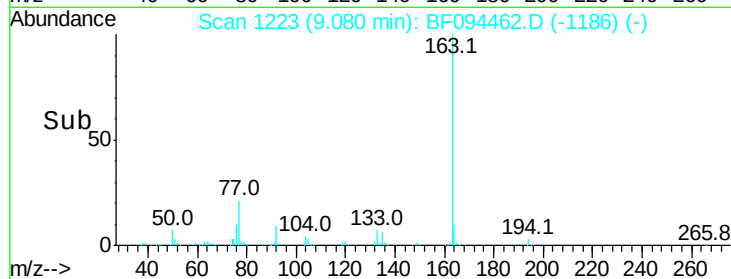
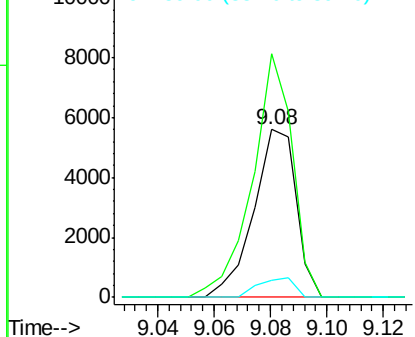
#50
2,6-Dinitrotoluene
Concen: 1.28 ng
RT: 9.08 min Scan# 1223
Delta R.T. -0.08 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 5869
Ion Ratio Lower Upper
165 100
63 145.1 34.3 51.5#
89 10.1 37.1 55.7#

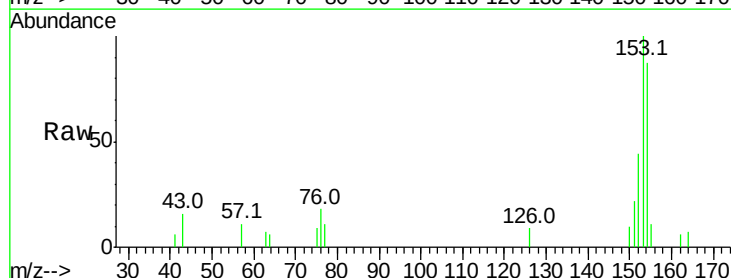


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

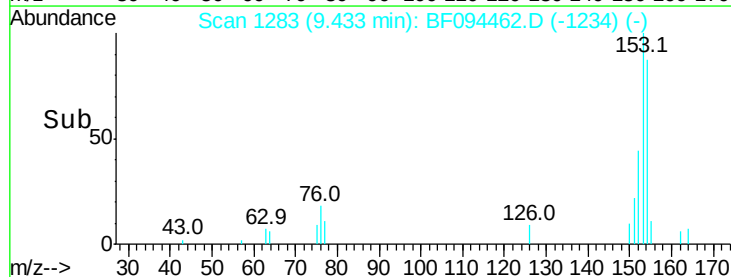
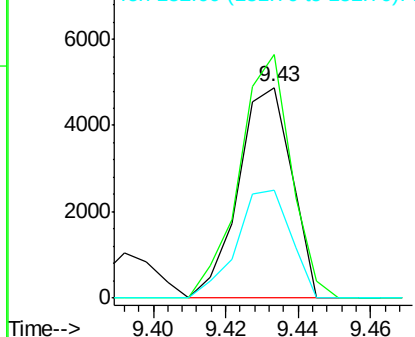


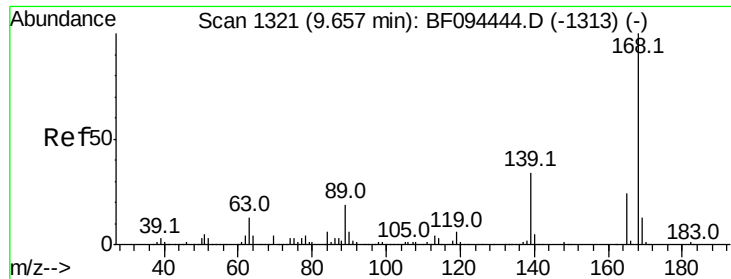
#51
Acenaphthene
Concen: 0.30 ng
RT: 9.43 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

Tgt Ion:154 Resp: 4978
Ion Ratio Lower Upper
154 100
153 115.4 90.5 135.7
152 51.2 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: 0.17 ng

RT: 9.65 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampleId :

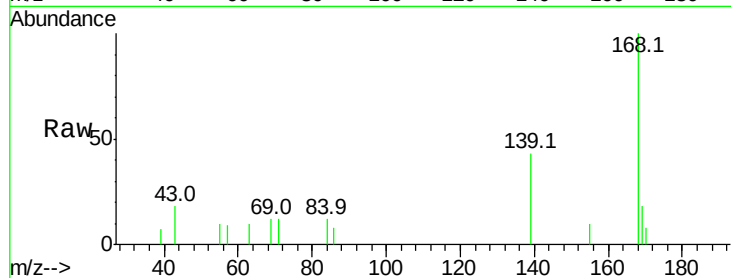
Tot Ion:168 Resp: 4037

Ion Ratio Lower Upper

168 100

139 43.1 30.6 45.8

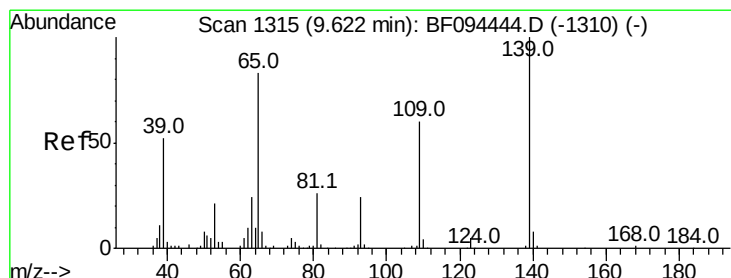
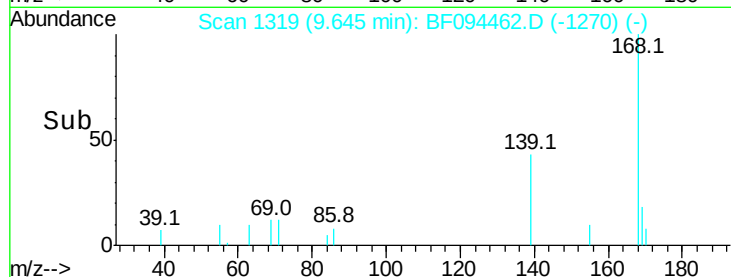
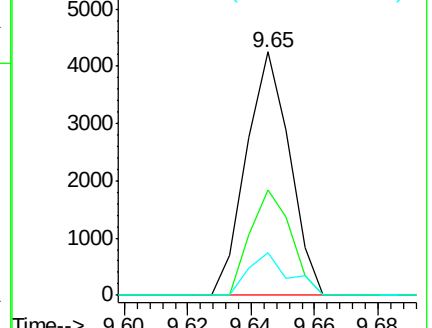
169 17.6 10.8 16.2#



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: 0.43 ng

RT: 9.65 min Scan# 1319

Delta R.T. 0.02 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

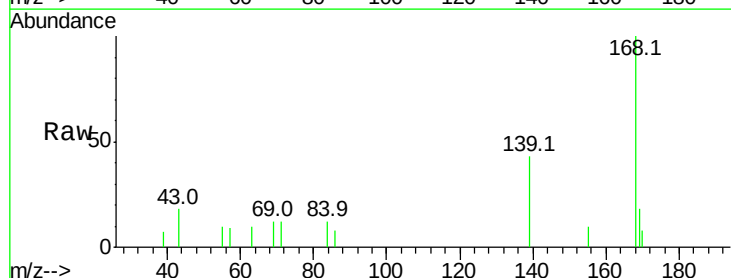
Tgt Ion:139 Resp: 1616

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

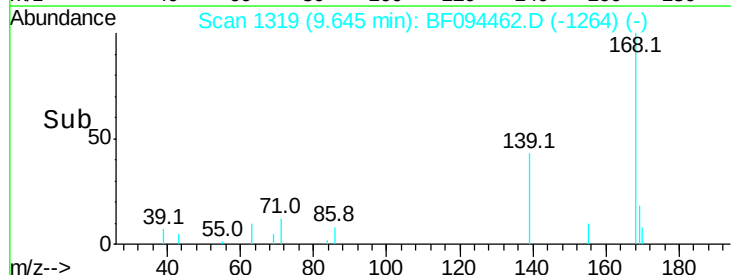
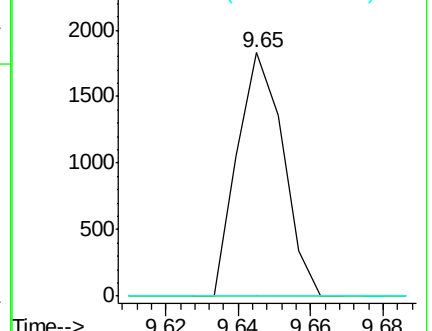
65 0.0 31.4 71.4#

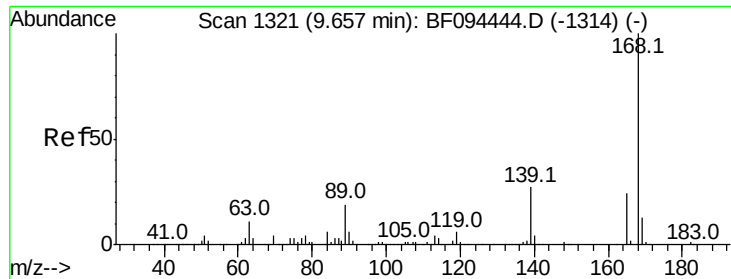


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.27 ng

RT: 9.39 min Scan# 1276

Delta R.T. -0.26 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 35160

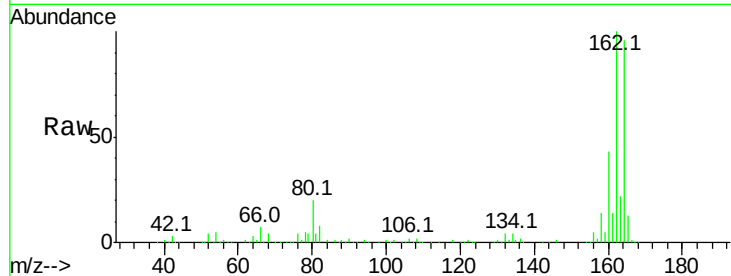
Ion Ratio Lower Upper

165 100

63 1.0 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

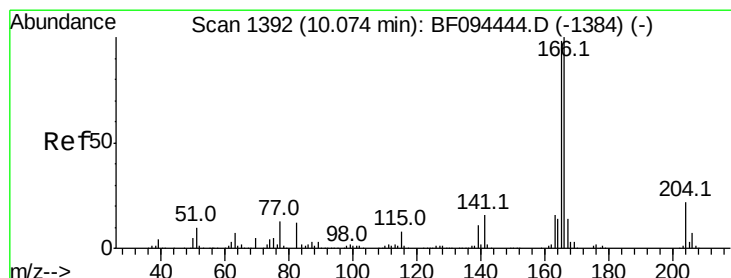
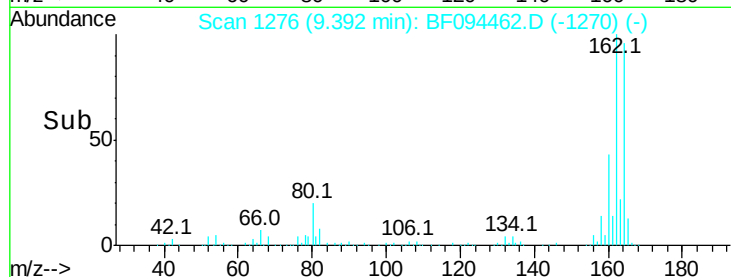
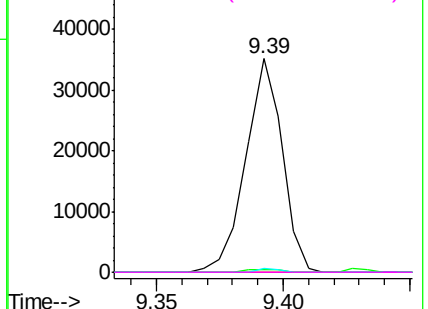


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.30 ng

RT: 10.07 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

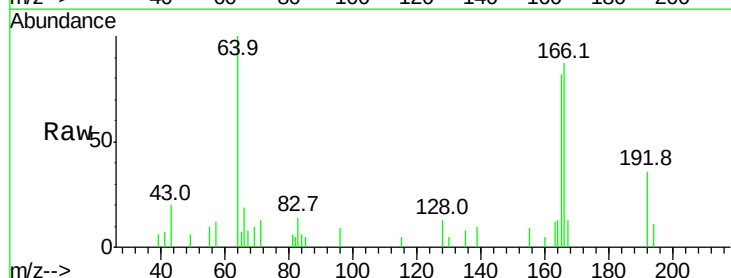
Tgt Ion:166 Resp: 5714

Ion Ratio Lower Upper

166 100

165 94.3 78.8 118.2

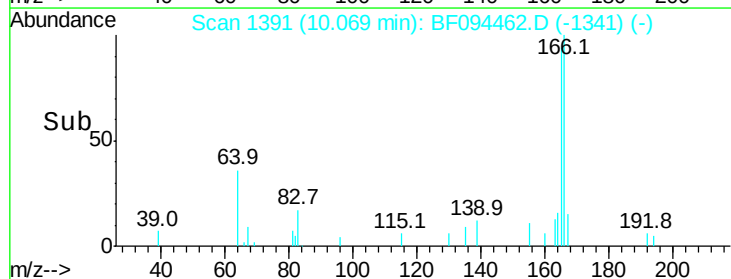
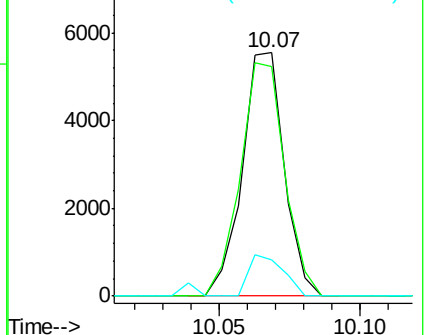
167 14.7 10.6 16.0

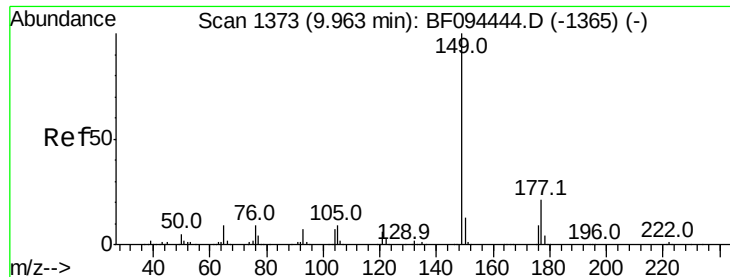


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

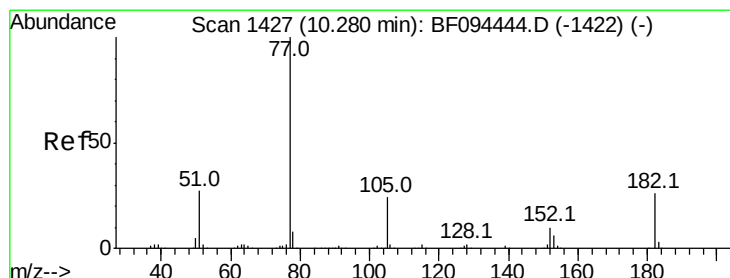
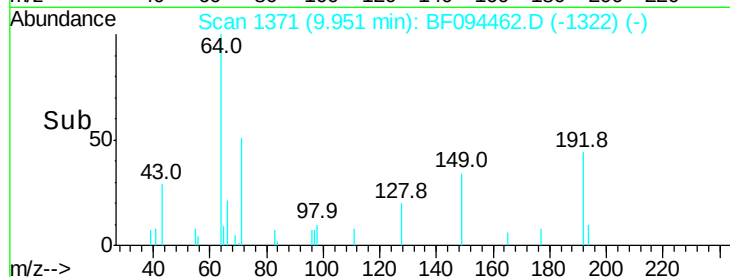
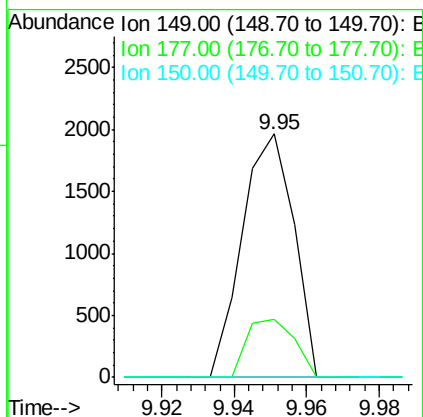
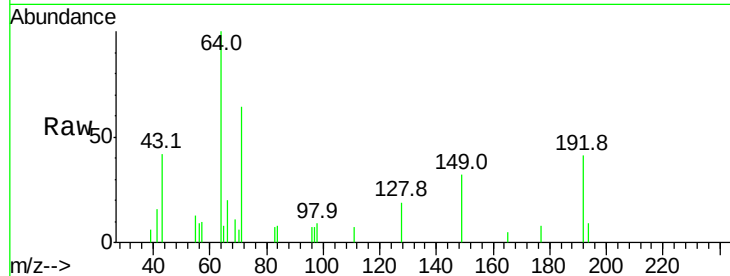




#59
Diethylphthalate
Concen: 0.10 ng
RT: 9.95 min Scan# 1371
Delta R.T. -0.01 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

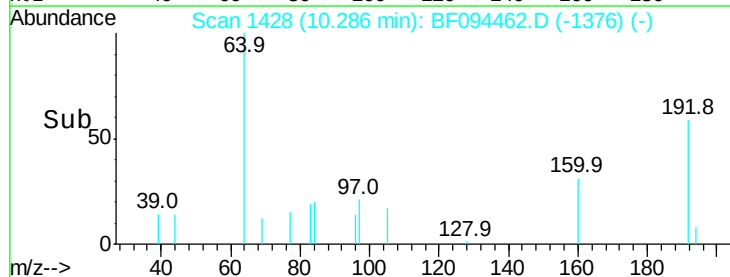
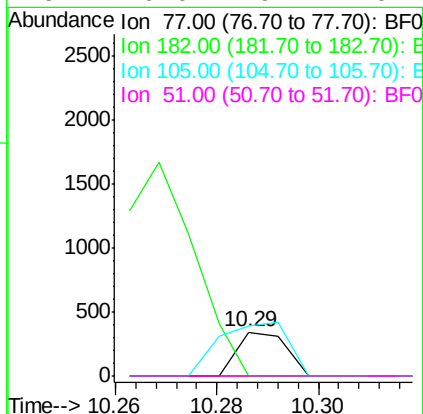
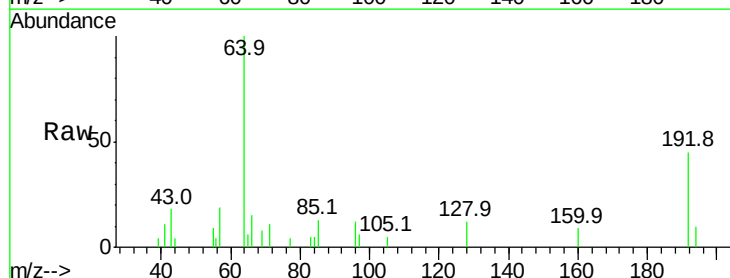
Instrument :
BNA_F
ClientSampled :

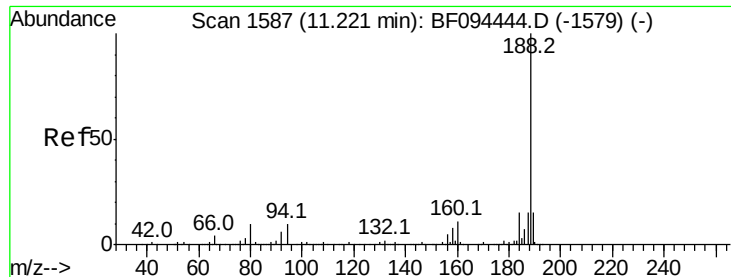
Tot Ion: 149 Resp: 1954
Ion Ratio Lower Upper
149 100
177 23.7 16.7 25.1
150 0.0 10.2 15.2#



#62
Azobenzene
Concen: 0.01 ng
RT: 10.29 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

Tgt Ion: 77 Resp: 230
Ion Ratio Lower Upper
77 100
182 0.0 0.1 40.1#
105 113.1 3.6 43.6#
51 0.0 9.4 49.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampleId :

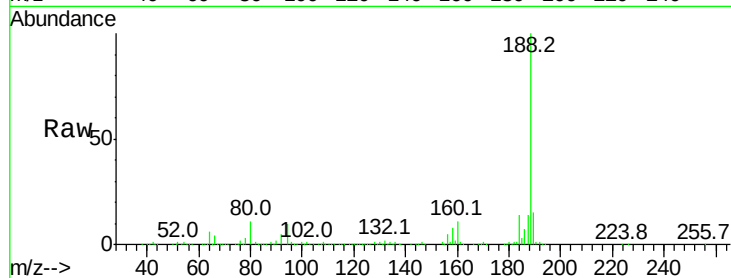
Tot Ion:188 Resp: 497697

Ion Ratio Lower Upper

188 100

94 10.3 9.4 14.2

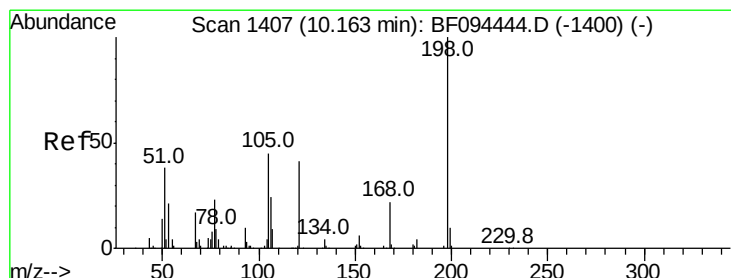
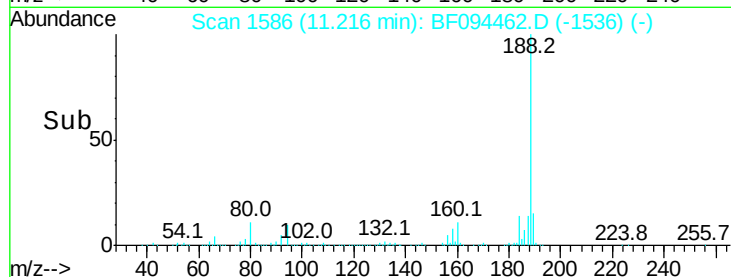
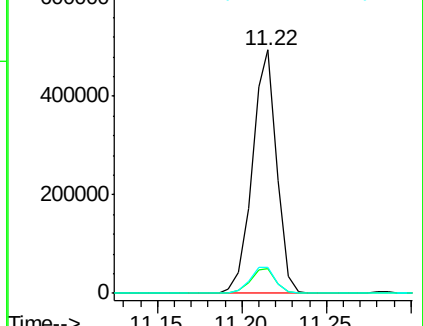
80 10.7 10.2 15.2



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



#64

4,6-Dinitro-2-methylphenol

Concen: 0.18 ng

RT: 10.37 min Scan# 1442

Delta R.T. 0.21 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

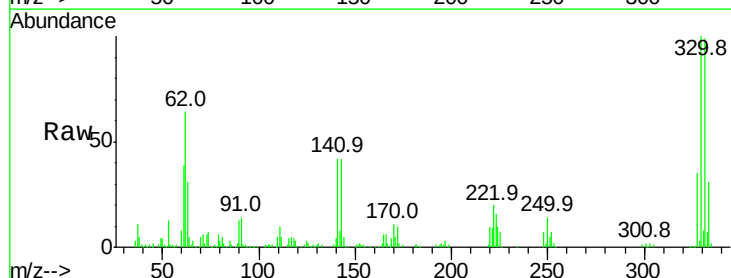
Tgt Ion:198 Resp: 589

Ion Ratio Lower Upper

198 100

51 159.1 53.2 93.2#

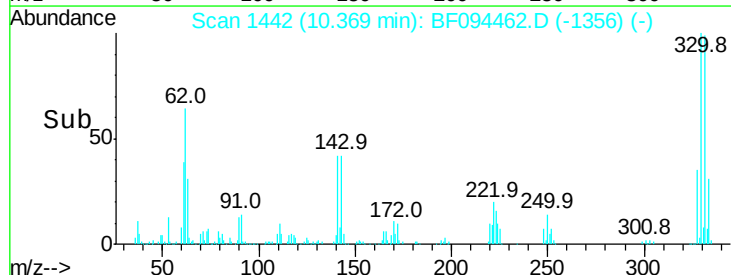
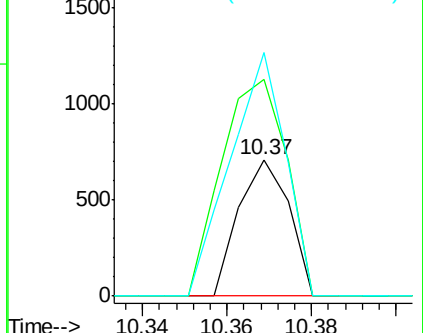
105 178.8 45.8 85.8#

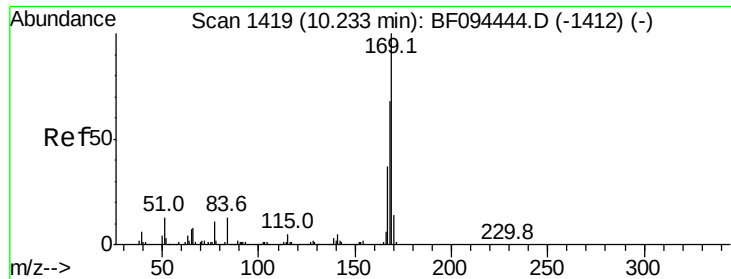


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

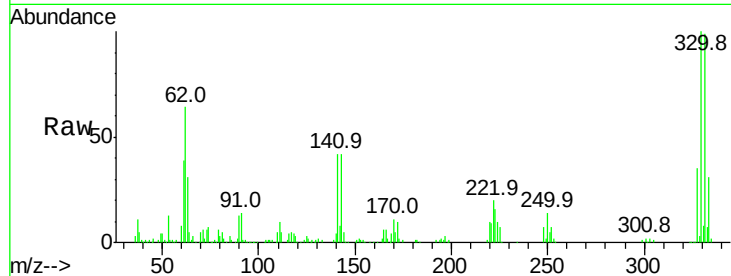




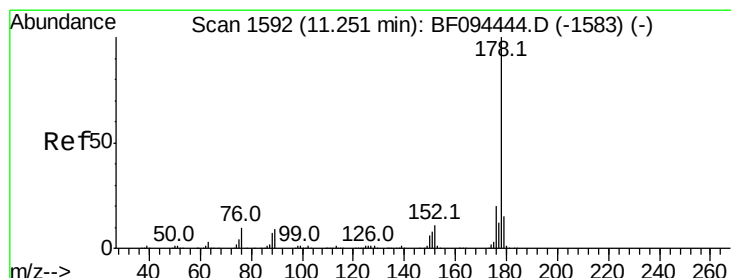
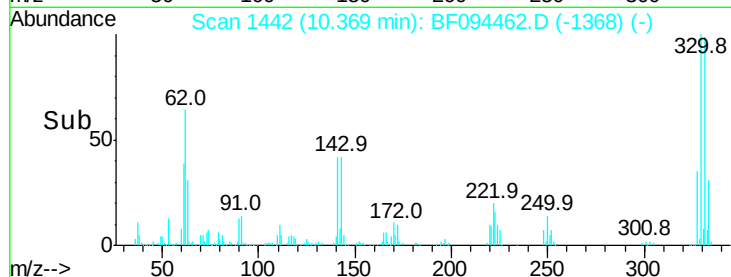
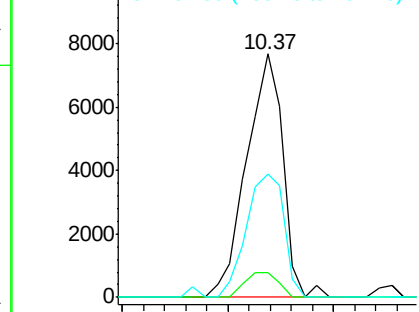
#65
n-Nitrosodiphenylamine
Concen: 0.53 ng
RT: 10.37 min Scan# 1442
Delta R.T. 0.14 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:169 Resp: 9170
Ion Ratio Lower Upper
169 100
168 10.2 53.2 79.8#
167 50.6 29.5 44.3#

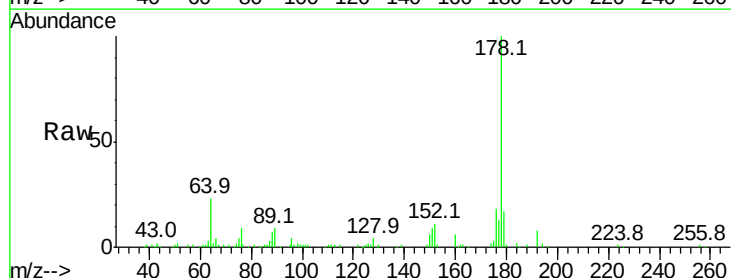


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

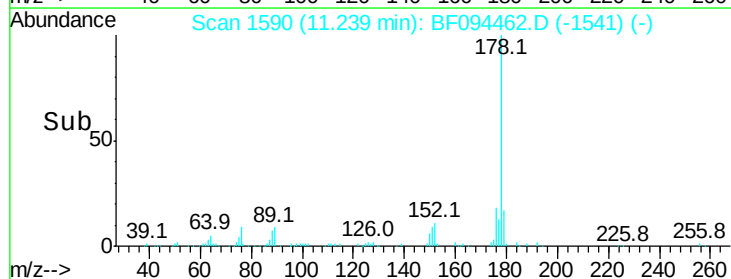
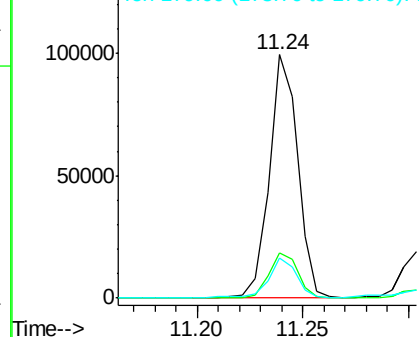


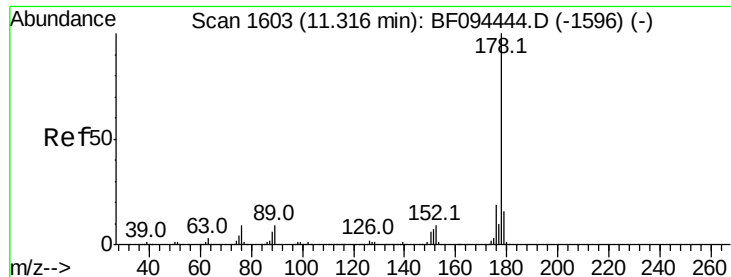
#70
Phenanthrene
Concen: 3.32 ng
RT: 11.24 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

Tgt Ion:178 Resp: 93086
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 16.6 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

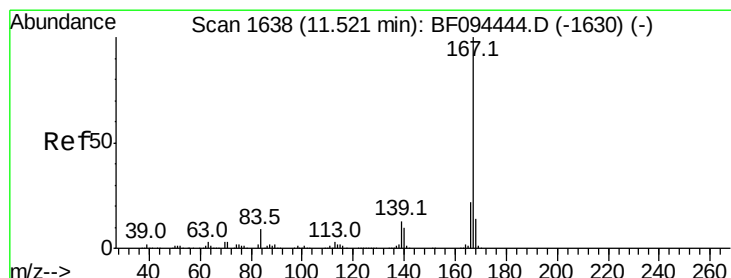
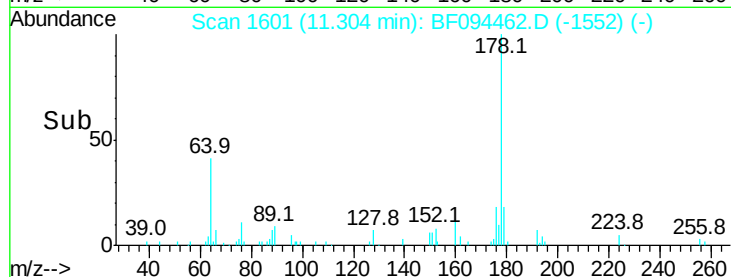
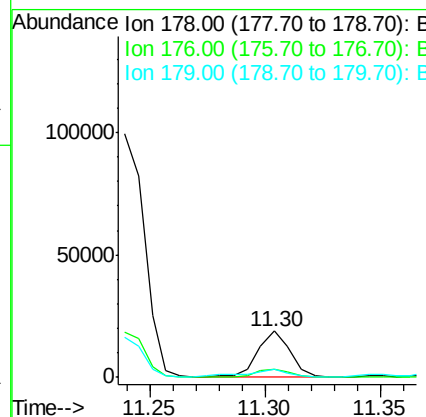
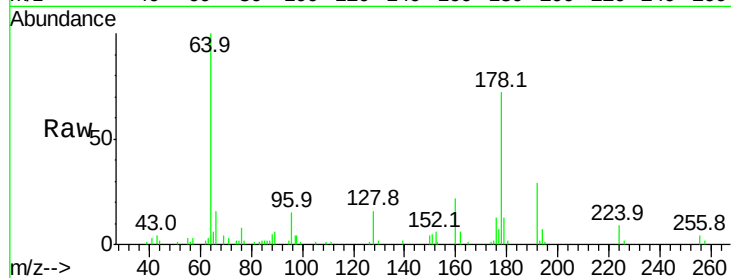




#71
 Anthracene
 Concen: 0.65 ng
 RT: 11.30 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF094462.D
 Acq: 17 Apr 2017 21:09

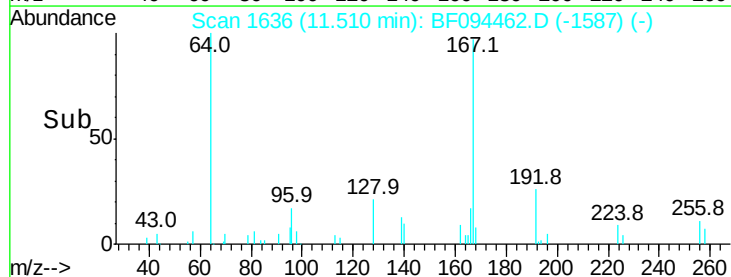
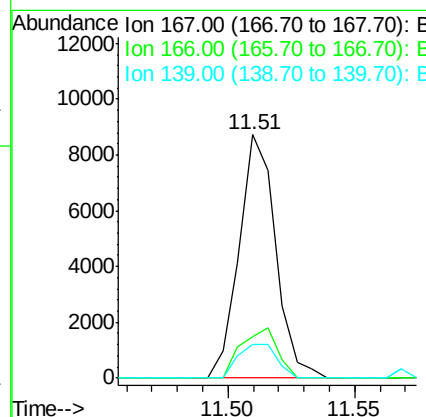
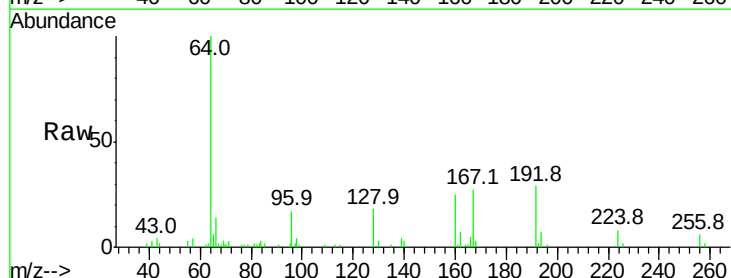
Instrument :
 BNA_F
 ClientSampled :

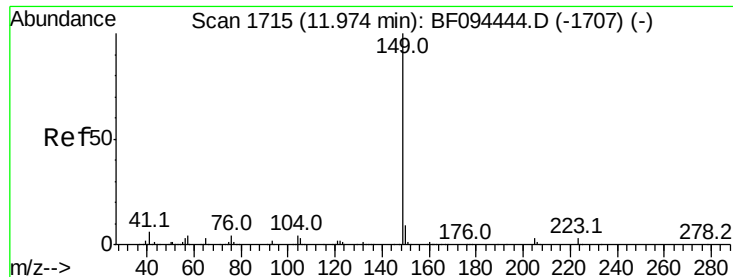
Tot Ion:178 Resp: 18801
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.8 23.8
 179 18.4 12.7 19.1



#72
 Carbazole
 Concen: 0.32 ng
 RT: 11.51 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF094462.D
 Acq: 17 Apr 2017 21:09

Tgt Ion:167 Resp: 8723
 Ion Ratio Lower Upper
 167 100
 166 17.1 18.1 27.1#
 139 13.7 11.7 17.5





#73

Di-n-butylphthalate

Concen: 0.15 ng

RT: 11.97 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampleId :

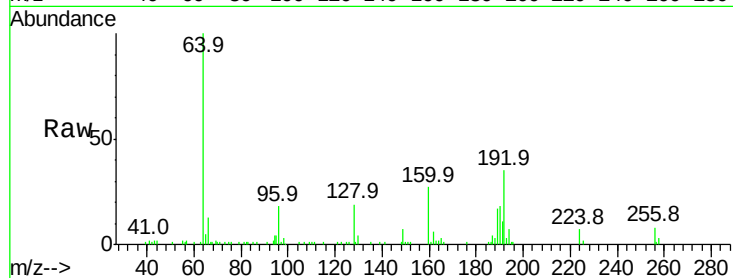
Tot Ion:149 Resp: 4501

Ion Ratio Lower Upper

149 100

150 12.7 7.7 11.5#

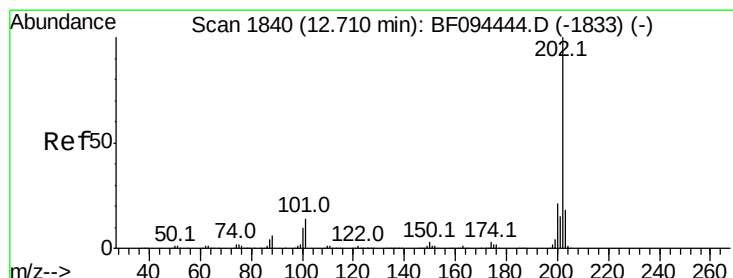
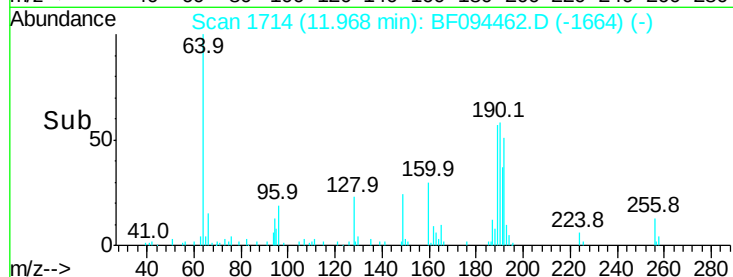
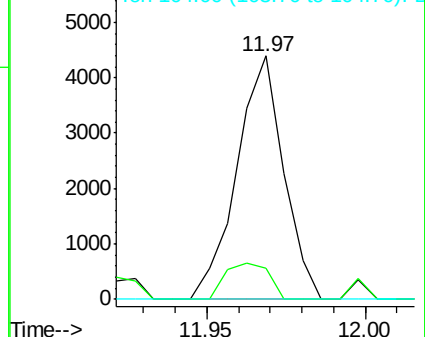
104 0.0 4.0 6.0#



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: 4.27 ng

RT: 12.71 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

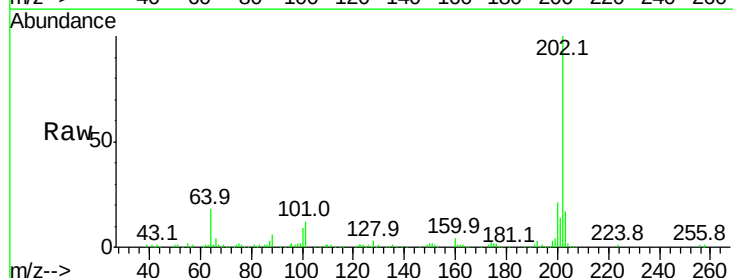
Tgt Ion:202 Resp: 124118

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.2

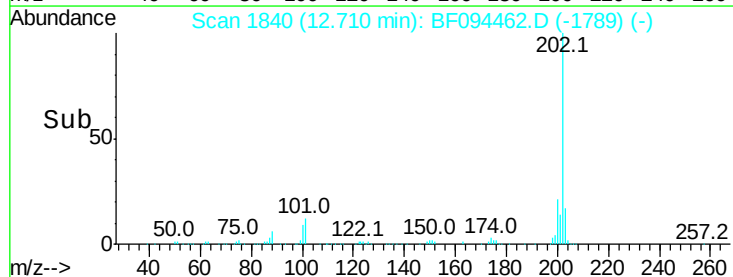
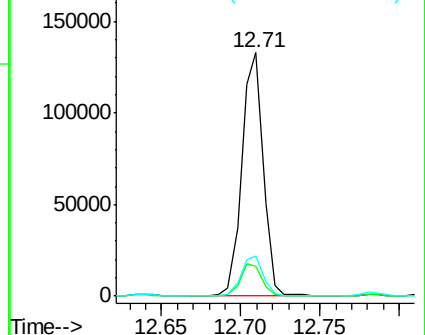
203 16.6 0.0 38.1

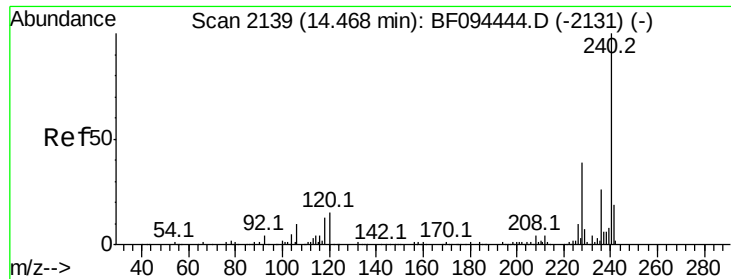


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2138

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampleId :

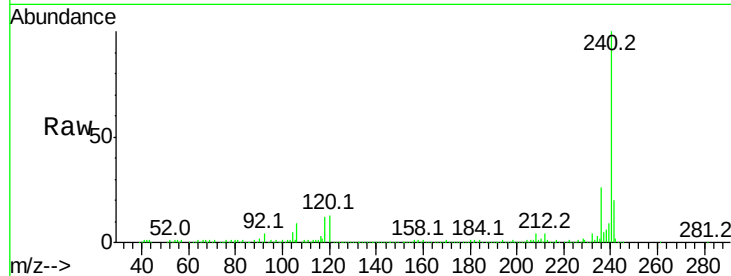
Tot Ion:240 Resp: 371357

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

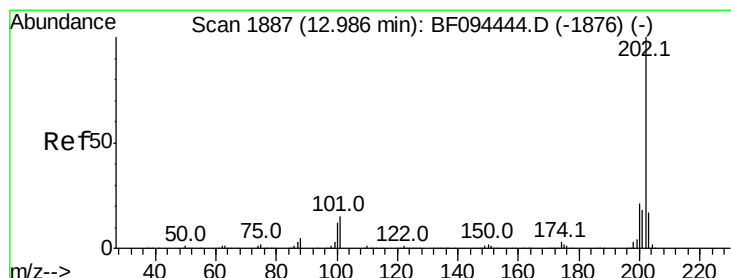
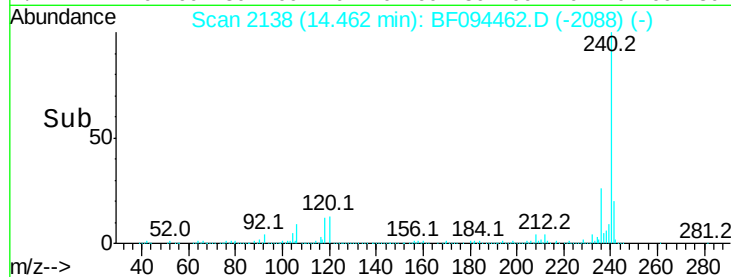
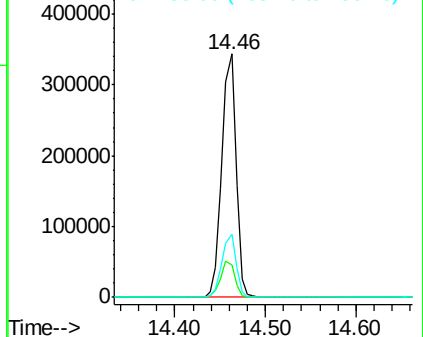
236 26.1 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.51 ng

RT: 12.97 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

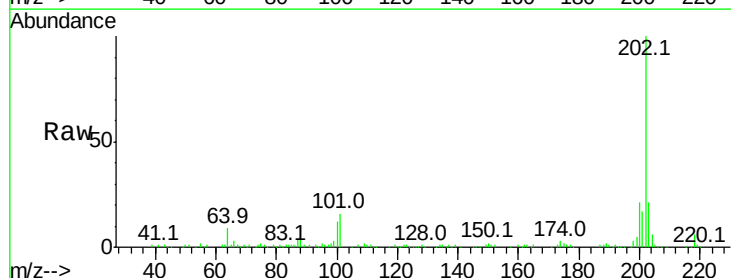
Tgt Ion:202 Resp: 117054

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

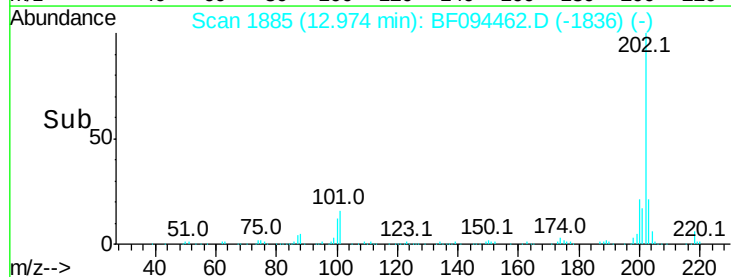
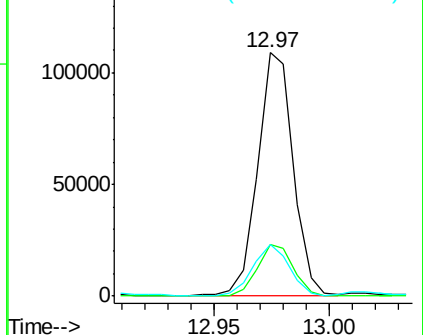
203 21.2 14.4 21.6

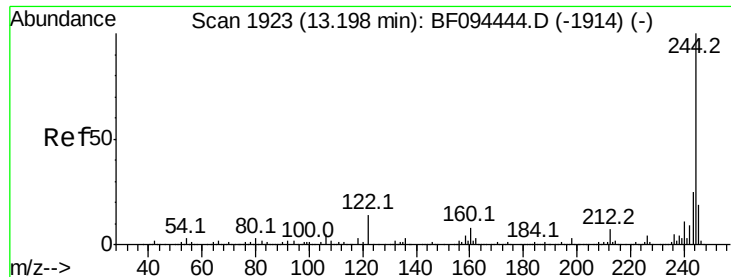


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

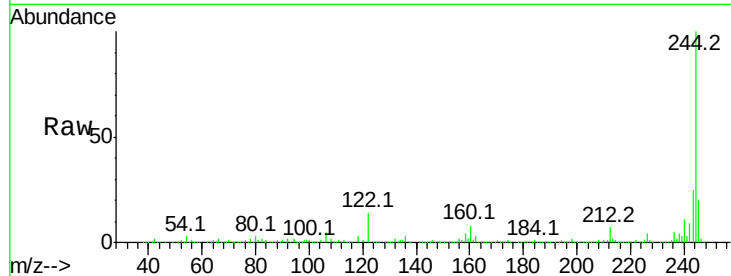




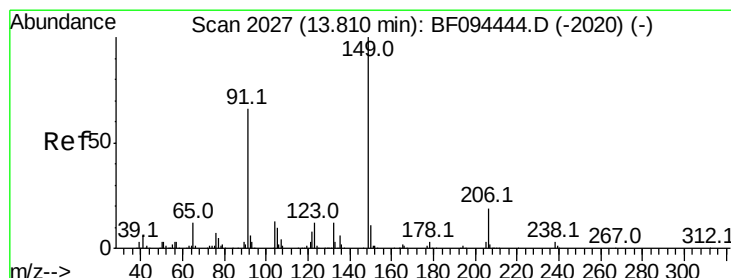
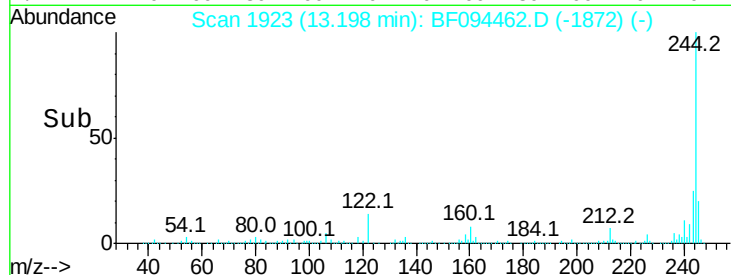
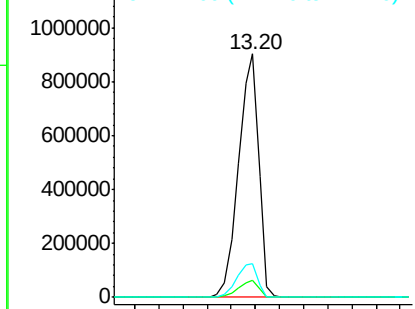
#78
 Terphenyl-d14
 Concen: 75.65 ng
 RT: 13.20 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: BF094462.D
 Acq: 17 Apr 2017 21:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1051087
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 13.7 10.3 15.5

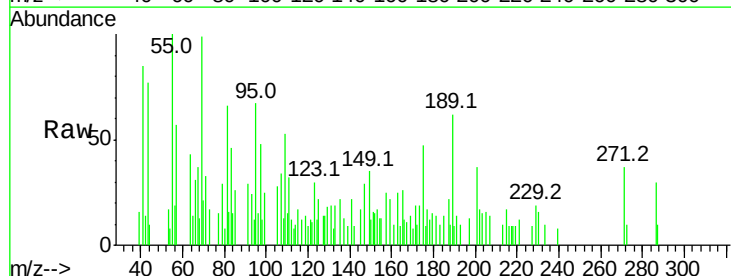


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

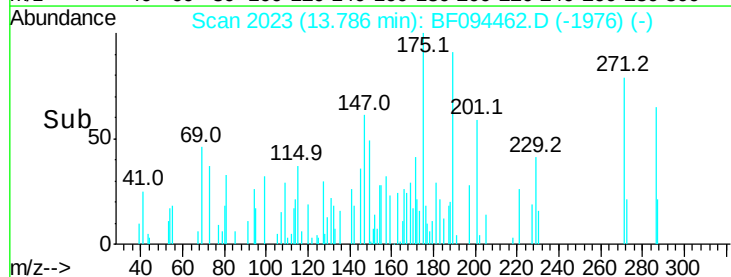
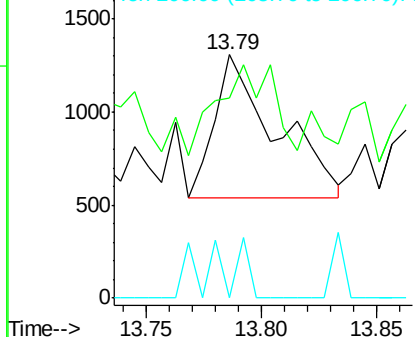


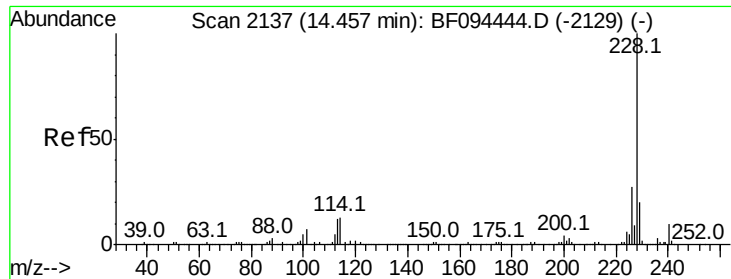
#79
 Butylbenzylphthalate
 Concen: 0.12 ng
 RT: 13.79 min Scan# 2023
 Delta R.T. -0.02 min
 Lab File: BF094462.D
 Acq: 17 Apr 2017 21:09

Tgt Ion:149 Resp: 1414
 Ion Ratio Lower Upper
 149 100
 91 82.3 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: 2.09 ng

RT: 14.45 min Scan# 2136

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampled :

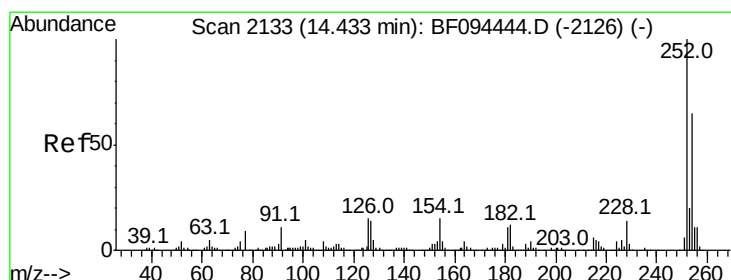
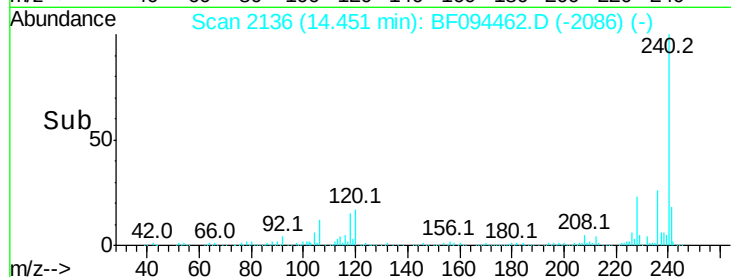
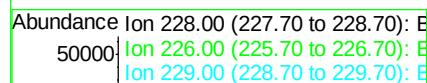
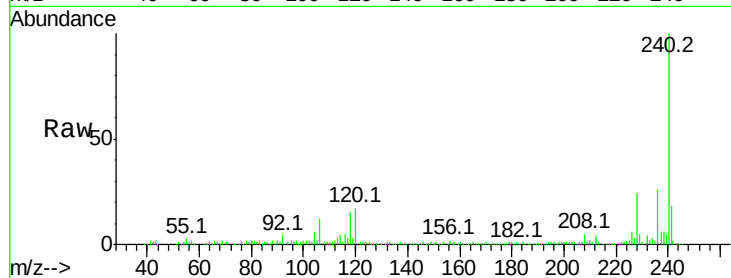
Tot Ion:228 Resp: 45177

Ion Ratio Lower Upper

228 100

226 26.4 22.6 33.8

229 21.7 16.3 24.5



#81

3,3'-Dichlorobenzidine

Concen: 0.02 ng

RT: 14.40 min Scan# 2128

Delta R.T. -0.03 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

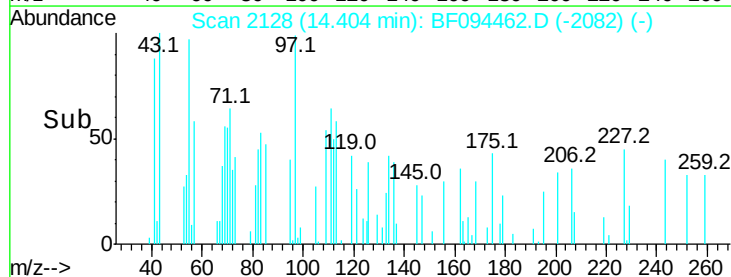
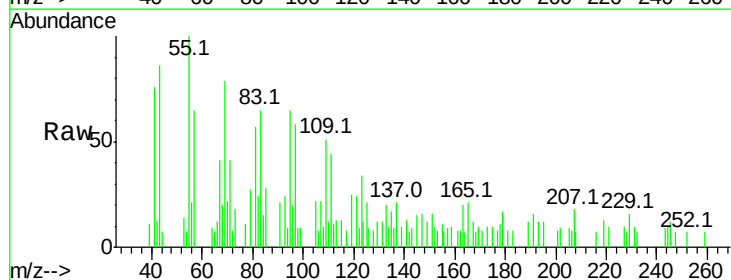
Tgt Ion:252 Resp: 120

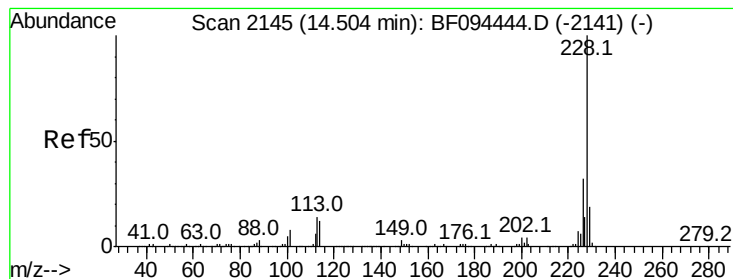
Ion Ratio Lower Upper

252 100

254 0.0 51.5 77.3#

126 118.5 15.8 23.8#





#82

Chrysene

Concen: 2.23 ng

RT: 14.49 min Scan# 2143

Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

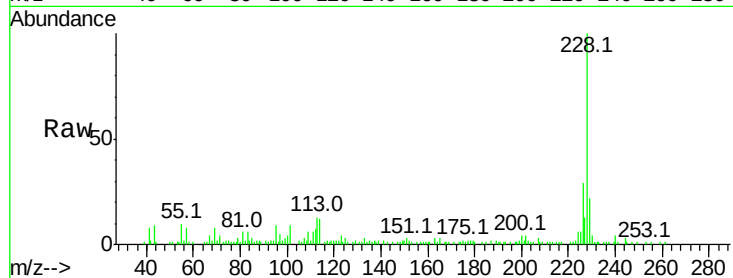
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 43899

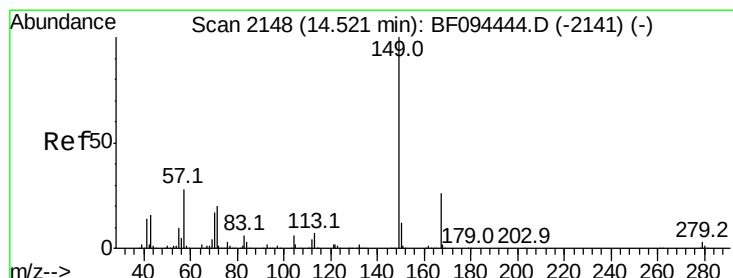
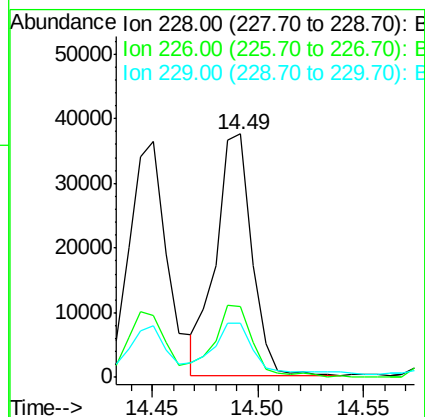
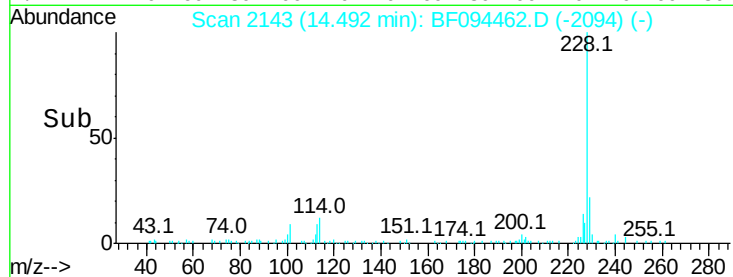
Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	22.0	15.8	23.6



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: 0.13 ng

RT: 14.52 min Scan# 2147

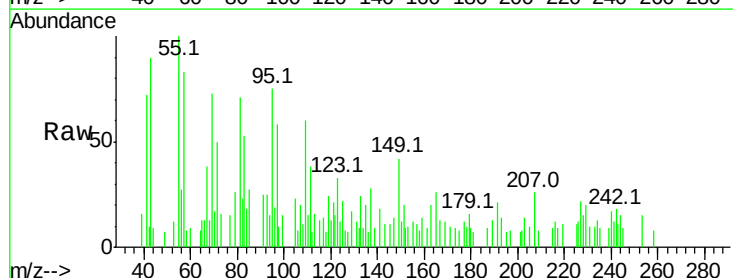
Delta R.T. -0.01 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Tgt Ion:149 Resp: 1957

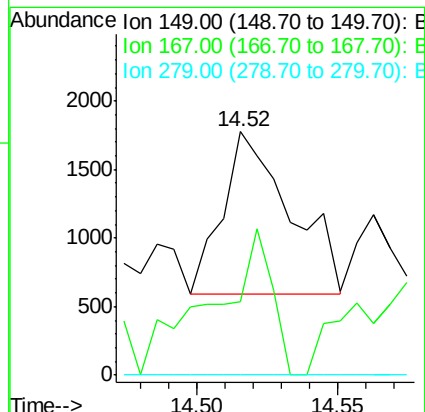
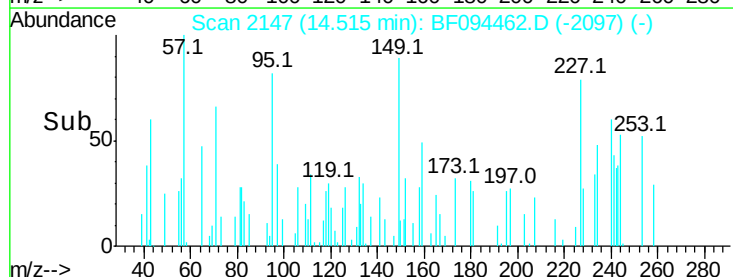
Ion	Ratio	Lower	Upper
149	100		
167	30.2	21.0	31.4
279	0.0	1.9	2.9#

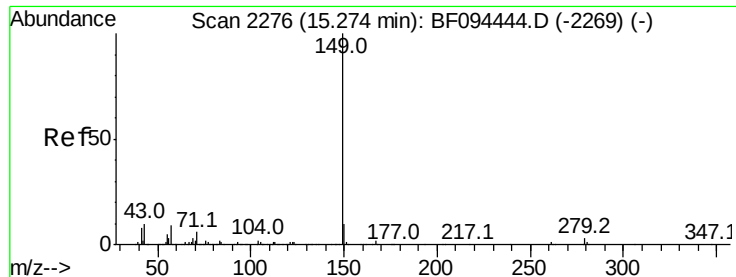


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.04 ng

RT: 15.27 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampleId :

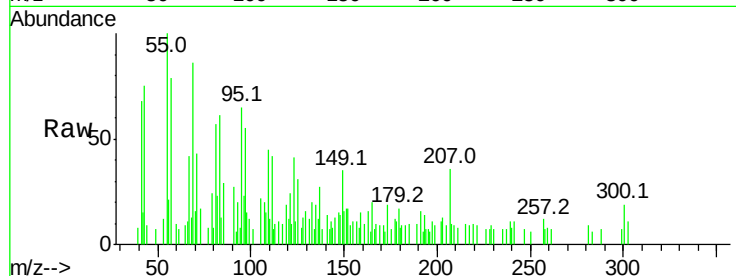
Tot Ion:149 Resp: 1129

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

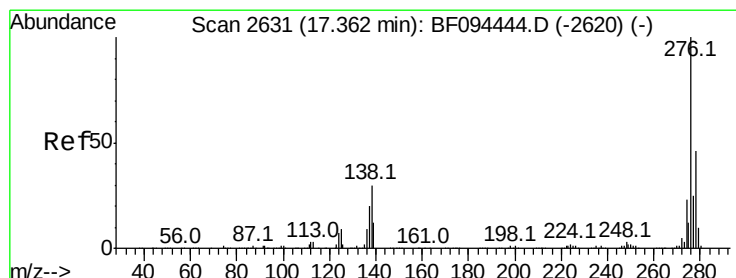
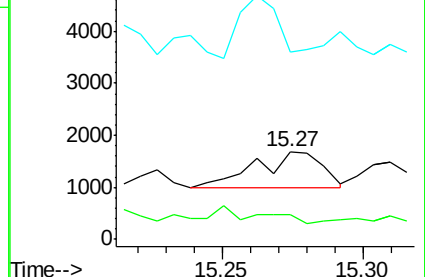
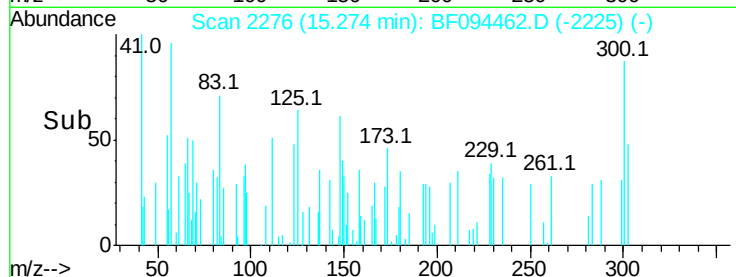
43 144.7 8.5 12.7#



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: 0.93 ng

RT: 17.34 min Scan# 2628

Delta R.T. -0.02 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

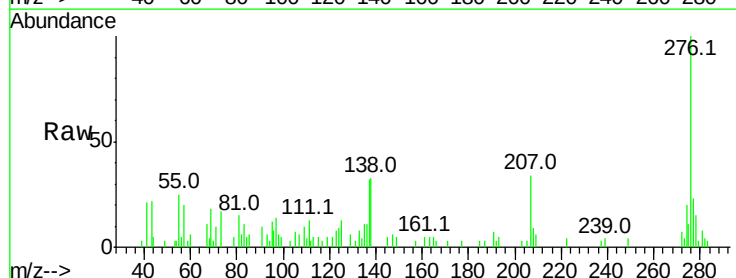
Tgt Ion:276 Resp: 17518

Ion Ratio Lower Upper

276 100

138 31.7 27.8 41.6

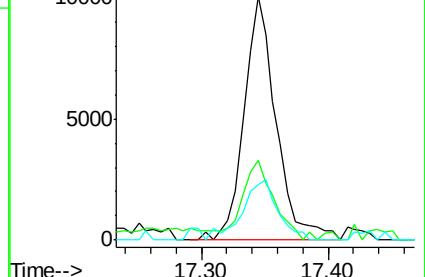
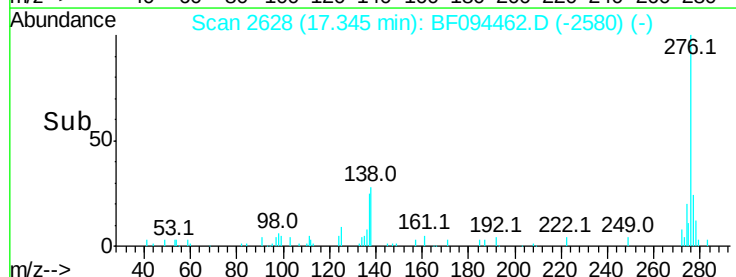
277 27.7 20.2 30.4

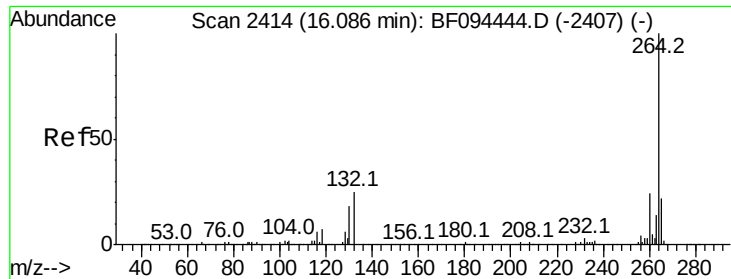


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

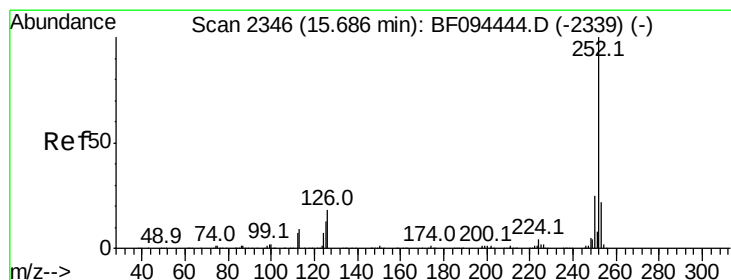
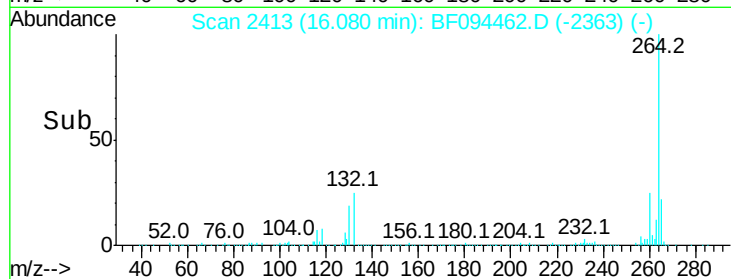
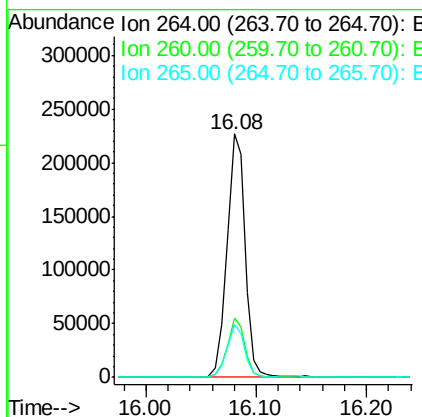
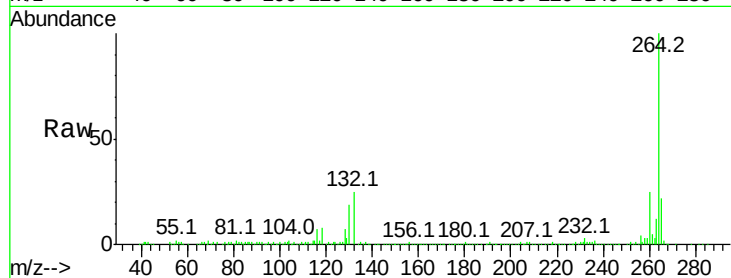




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

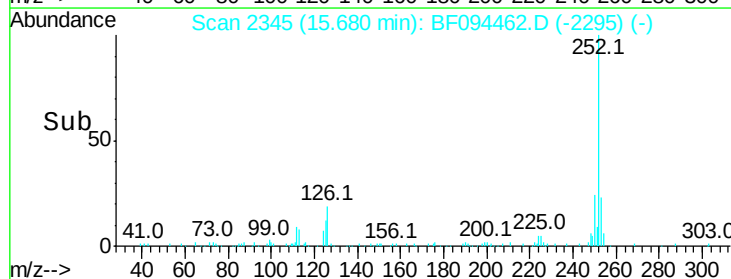
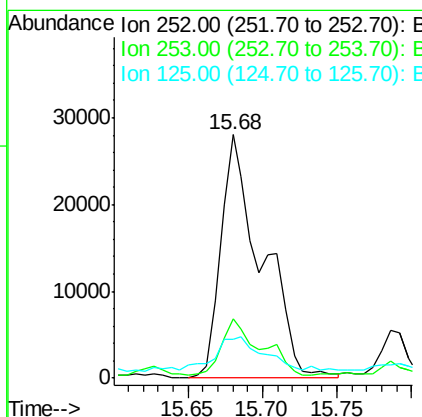
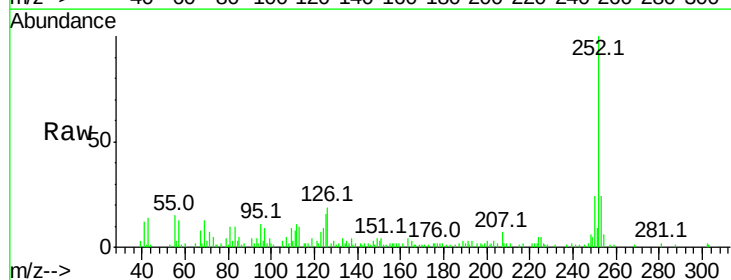
Instrument :
BNA_F
ClientSampleId :

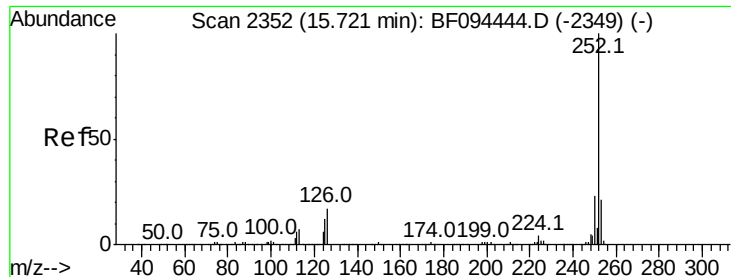
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.6	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 3.34 ng
RT: 15.68 min Scan# 2345
Delta R.T. -0.01 min
Lab File: BF094462.D
Acq: 17 Apr 2017 21:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	15.7	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 3.53 ng

RT: 15.68 min Scan# 2345

Delta R.T. -0.04 min

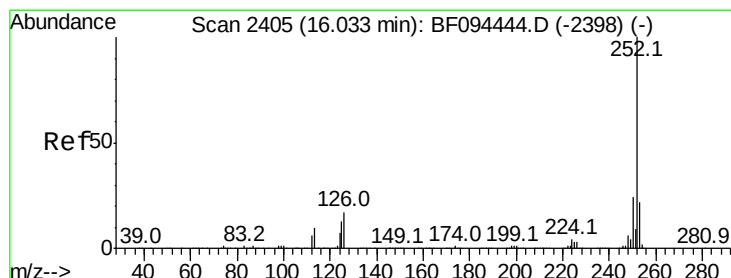
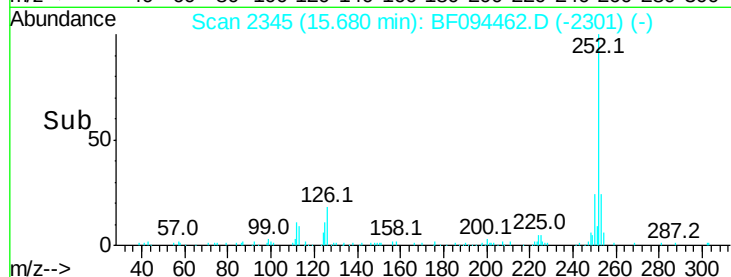
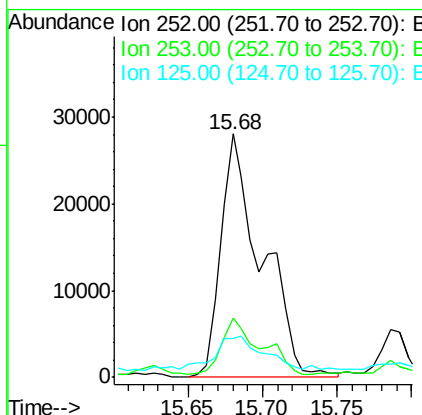
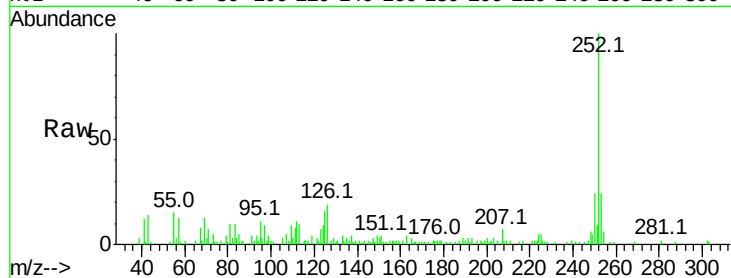
Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 53739

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	15.7	13.1	19.7



#89

Benzo(a)pyrene

Concen: 1.91 ng

RT: 16.02 min Scan# 2403

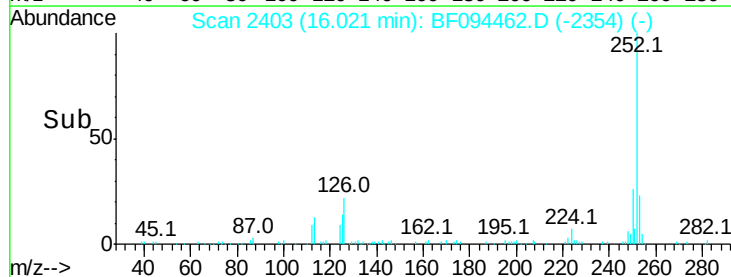
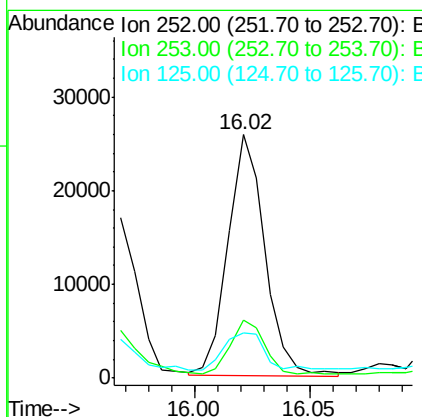
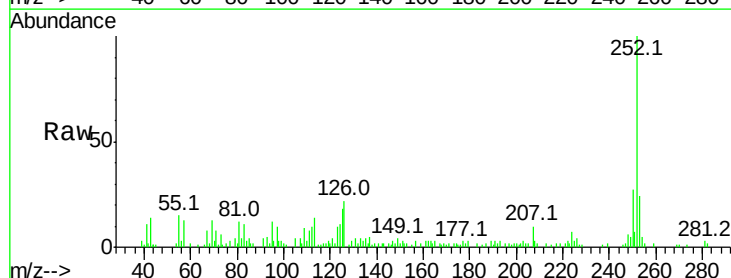
Delta R.T. -0.01 min

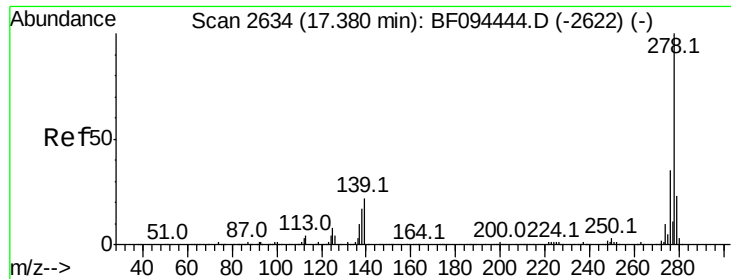
Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Tgt Ion:252 Resp: 28620

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	18.4	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 0.38 ng

RT: 17.36 min Scan# 2631

Delta R.T. -0.02 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Instrument :

BNA_F

ClientSampleId :

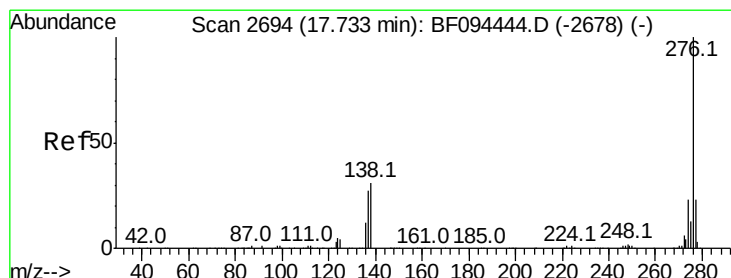
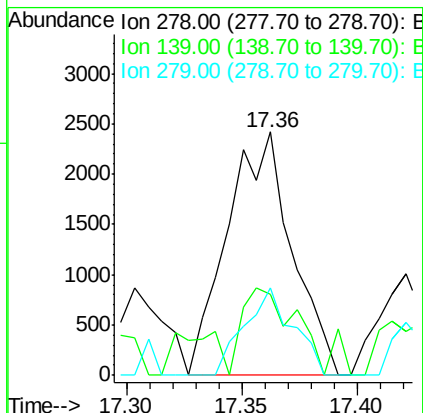
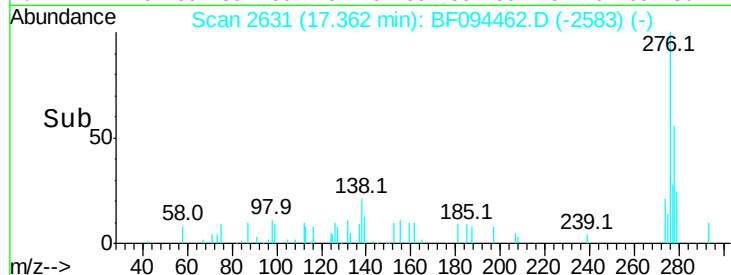
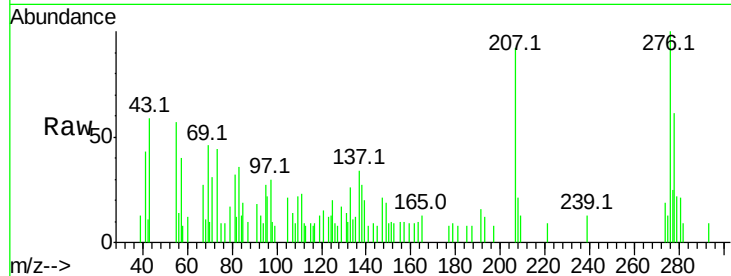
Tot Ion:278 Resp: 4732

Ion Ratio Lower Upper

278 100

139 33.5 16.6 24.8#

279 35.9 19.3 28.9#



#91

Benzo(g,h,i)perylene

Concen: 1.31 ng

RT: 17.72 min Scan# 2691

Delta R.T. -0.02 min

Lab File: BF094462.D

Acq: 17 Apr 2017 21:09

Tgt Ion:276 Resp: 16582

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 37.3 25.4 38.0

