

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094456.D
 Acq On : 17 Apr 2017 18:23
 Operator : SJ/MA
 Sample : I2708-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 01:16:14 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	143424	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	590462	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	276692	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	502355	20.00	ng	0.00
75) Chrysene-d12	14.46	240	439708	20.00	ng	-0.01
86) Perylene-d12	16.08	264	307115	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.31	112	1116025	129.10	ng	0.00
7) Phenol-d6	5.39	99	1471529	144.39	ng	0.00
23) Nitrobenzene-d5	6.41	82	922667	96.49	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	275348	127.23	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1118779	59.49	ng	0.00
78) Terphenyl-d14	13.19	244	853114	51.86	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.12	88	109	0.02	ng	# 1
6) Aniline	5.40	93	577	0.04	ng	# 1
8) 2-Chlorophenol	5.53	128	1172	0.12	ng	# 66
9) Benzaldehyde	5.32	77	1000	0.13	ng	# 1
10) Phenol	5.40	94	18931	1.51	ng	# 88
11) bis(2-Chloroethyl)ether	5.47	93	550	0.06	ng	# 82
12) 1,3-Dichlorobenzene	5.94	146	127	0.01	ng	# 1
13) 1,4-Dichlorobenzene	5.94	146	127	0.01	ng	# 1
14) 1,2-Dichlorobenzene	5.94	146	127	0.01	ng	# 1
15) Benzyl Alcohol	5.93	79	13006	1.72	ng	# 44
16) 2,2'-oxybis(1-Chloropropan	5.97	45	996	0.08	ng	# 70
17) 2-Methylphenol	5.93	107	280	0.04	ng	# 1
18) Hexachloroethane	6.39	117	213	0.06	ng	# 1
19) n-Nitroso-di-n-propylamine	6.41	70	120695	17.87	ng	# 77
22) Acetophenone	6.22	105	890	0.06	ng	# 46
24) Nitrobenzene	6.41	77	2572	0.26	ng	# 33
25) Isophorone	6.99	82	1091	0.06	ng	# 67
31) Naphthalene	7.28	128	1944	0.07	ng	# 78
33) 4-Chloroaniline	7.28	127	264	0.02	ng	# 44
37) 2-Methylnaphthalene	8.12	142	2214	0.11	ng	# 92
45) 1,1'-Biphenyl	8.70	154	1056	0.05	ng	# 86
47) 2-Nitroaniline	9.08	65	6609	1.28	ng	# 1
48) Acenaphthylene	9.39	152	255	0.01	ng	# 60
49) Dimethylphthalate	9.09	163	737126	35.75	ng	# 98
50) 2,6-Dinitrotoluene	9.08	165	8286	1.79	ng	# 9
51) Acenaphthene	9.39	154	684	0.04	ng	# 20
54) Dibenzofuran	9.65	168	462	0.02	ng	# 45
56) 2,4-Dinitrotoluene	9.39	165	36817	6.48	ng	# 33
59) Diethylphthalate	9.95	149	2938	0.15	ng	# 83
62) Azobenzene	10.26	77	683	0.04	ng	# 26
64) 4,6-Dinitro-2-methylphenol	10.37	198	551	0.17	ng	# 1
65) n-Nitrosodiphenylamine	10.37	169	10558	0.60	ng	# 47
70) Phenanthrene	11.24	178	2425	0.09	ng	# 73
71) Anthracene	11.30	178	416	0.01	ng	# 59

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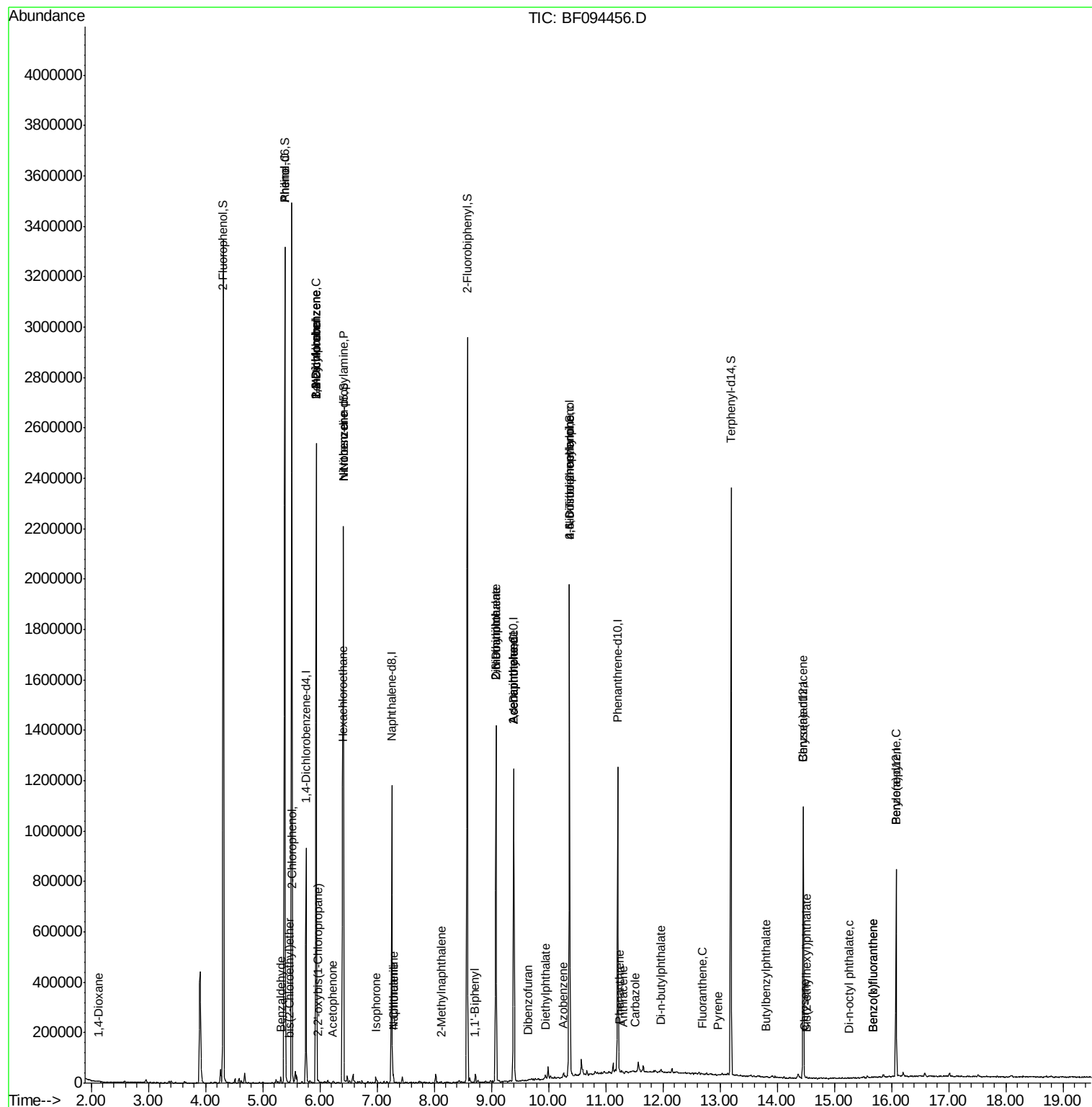
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Carbazole	11.52	167	148	0.01	nq	# 58
73) Di-n-butylphthalate	11.97	149	6580	0.22	nq	# 88
74) Fluoranthene	12.70	202	934	0.03	nq	62
77) Pyrene	12.97	202	765	0.02	nq	# 43
79) Butylbenzylphthalate	13.81	149	1328	0.10	nq	# 40
80) Benzo(a)anthracene	14.46	228	1605	0.06	nq	# 50
82) Chrysene	14.49	228	375	0.02	nq	# 49
83) Bis(2-ethylhexyl)phthalate	14.52	149	1980	0.11	nq	# 98
84) Di-n-octyl phthalate	15.26	149	112	0.00	nq	# 1
87) Benzo(b)fluoranthene	15.69	252	390	0.02	nq	# 1
88) Benzo(k)fluoranthene	15.69	252	390	0.02	nq	# 3
89) Benzo(a)pyrene	16.08	252	1094	0.06	nq	# 71

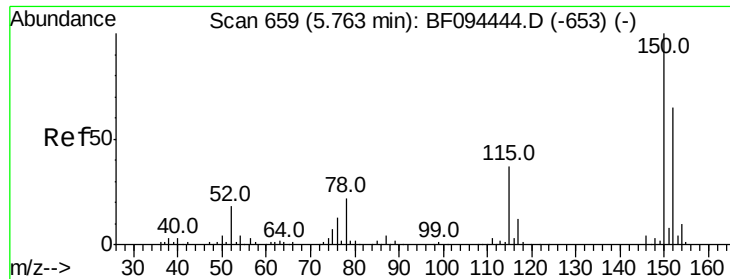
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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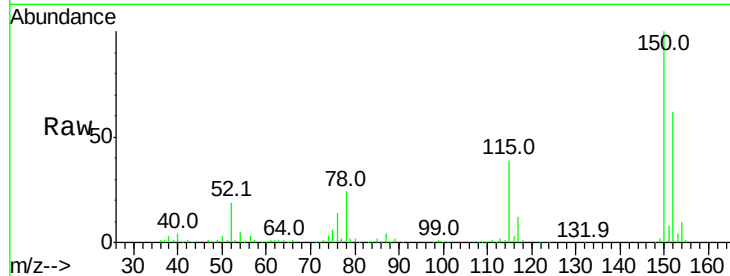


#1

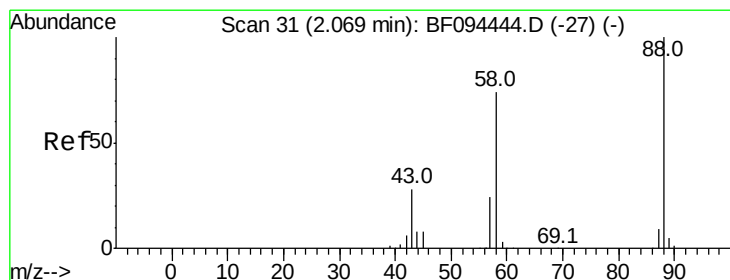
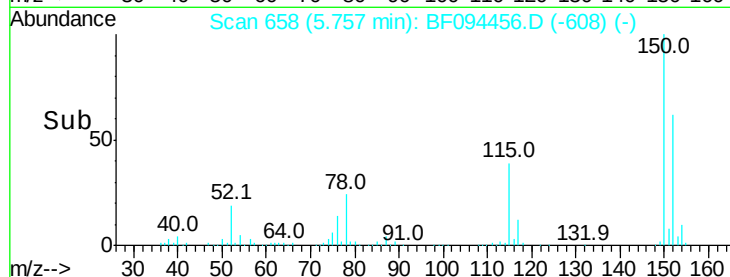
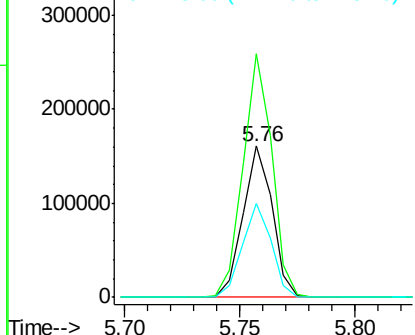
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143424
Ion Ratio Lower Upper
152 100
150 161.4 126.2 189.2
115 62.3 52.2 78.2



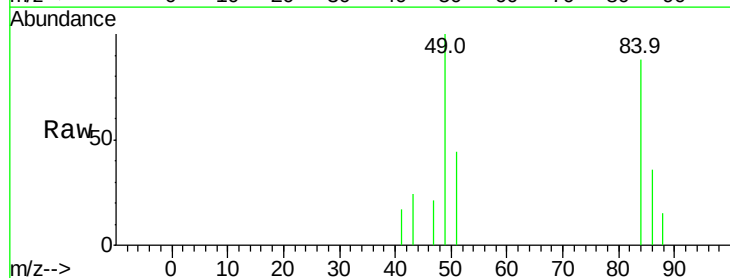
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



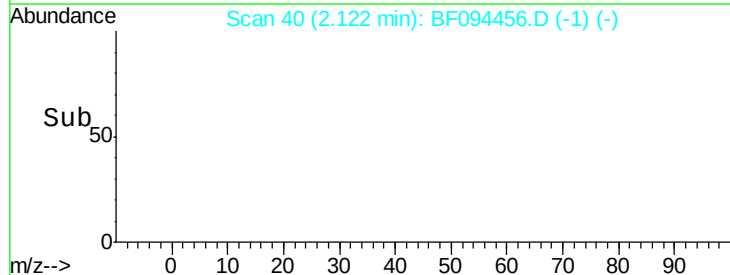
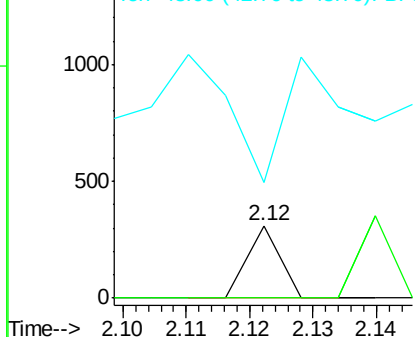
#2

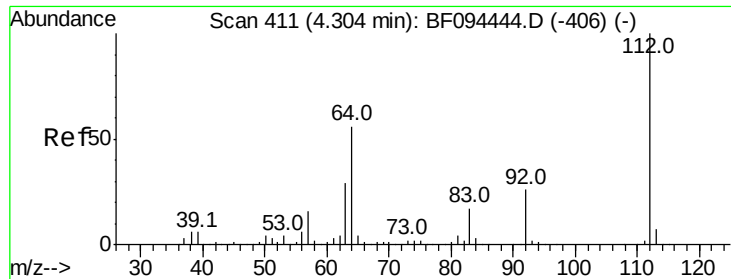
1,4-Dioxane
Concen: 0.02 ng
RT: 2.12 min Scan# 40
Delta R.T. 0.05 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

Tgt Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
58 114.7 61.4 92.0#
43 362.4 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: 129.10 ng

RT: 4.31 min Scan# 412

Delta R.T. 0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampled :

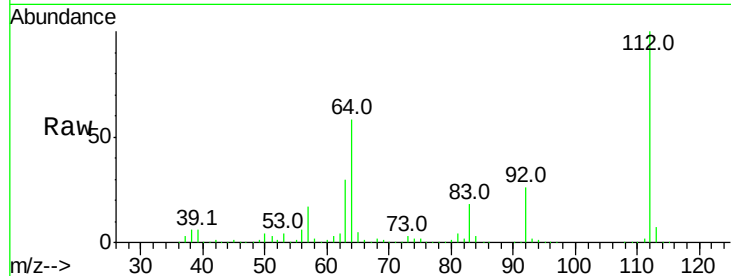
Tot Ion:112 Resp: 1116025

Ion Ratio Lower Upper

112 100

64 57.8 46.0 69.0

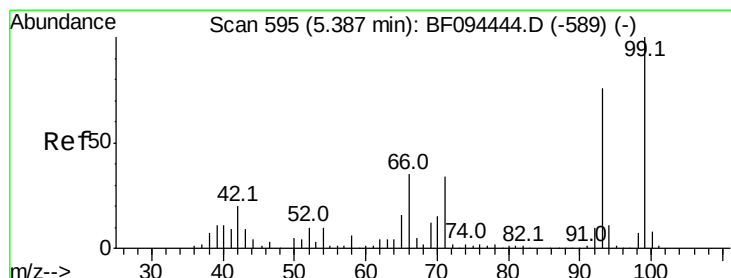
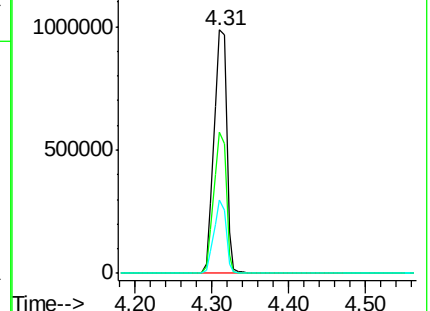
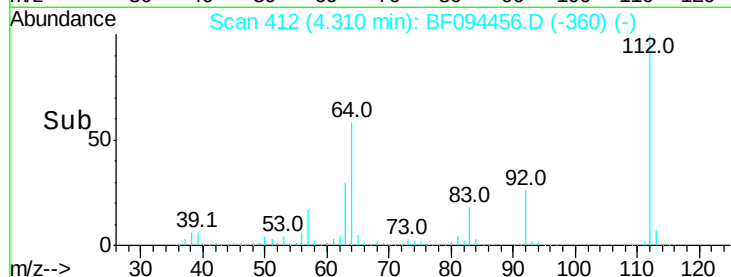
63 29.9 23.4 35.0



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: 0.04 ng

RT: 5.40 min Scan# 597

Delta R.T. 0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

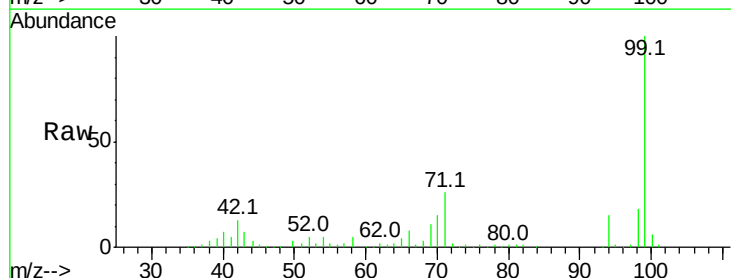
Tgt Ion: 93 Resp: 577

Ion Ratio Lower Upper

93 100

66 1849.7 32.9 49.3#

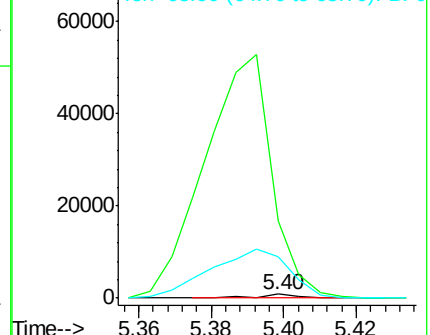
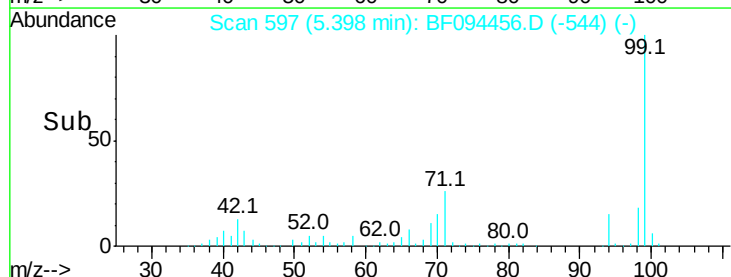
65 972.1 16.0 24.0#

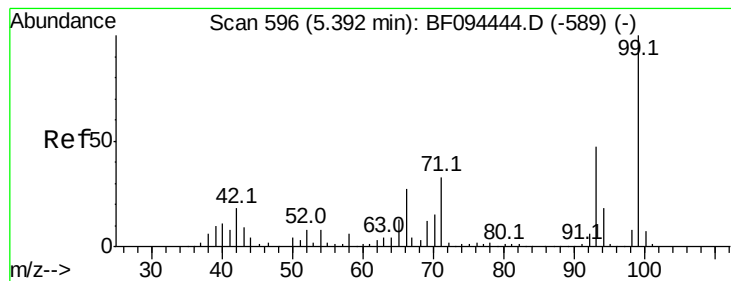


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 144.39 ng

RT: 5.39 min Scan# 596

Delta R.T. 0.00 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

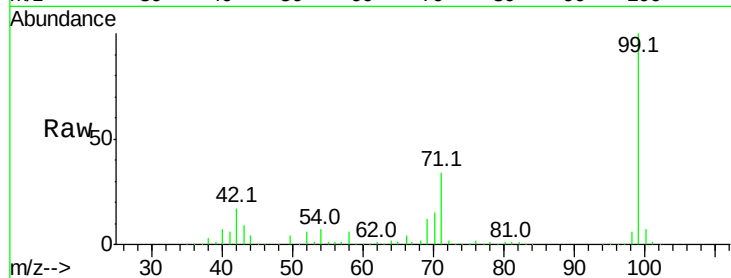
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1471529

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.5	20.3
71	33.5	24.5	36.7

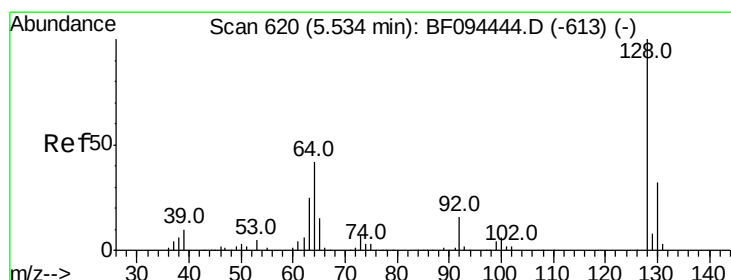
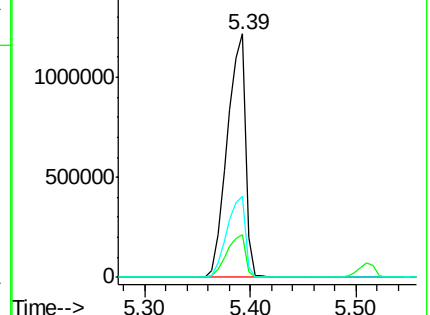
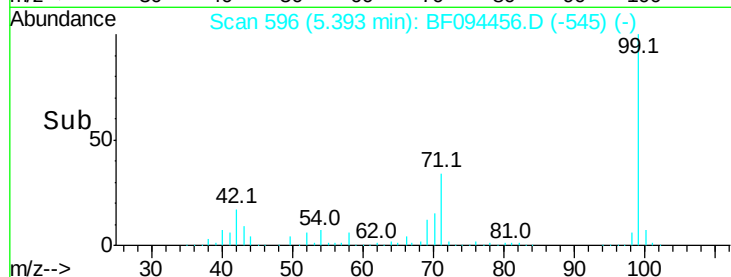


Abundance

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: 0.12 ng

RT: 5.53 min Scan# 619

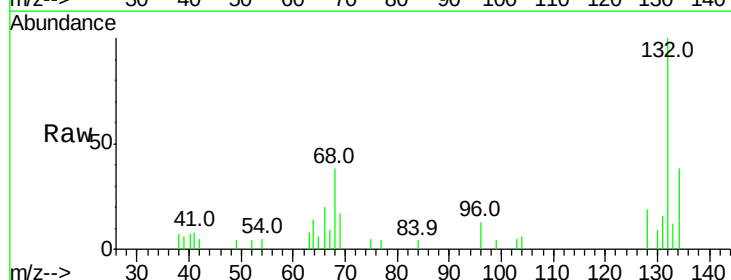
Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Tgt Ion: 128 Resp: 1172

Ion	Ratio	Lower	Upper
128	100		
130	48.1	12.9	52.9
64	74.5	28.4	68.4

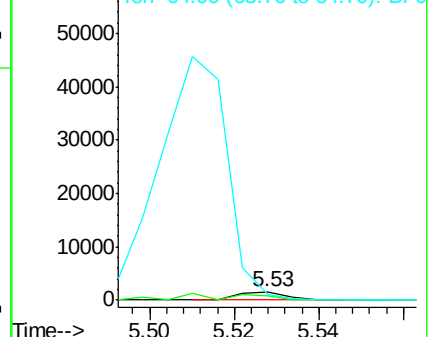
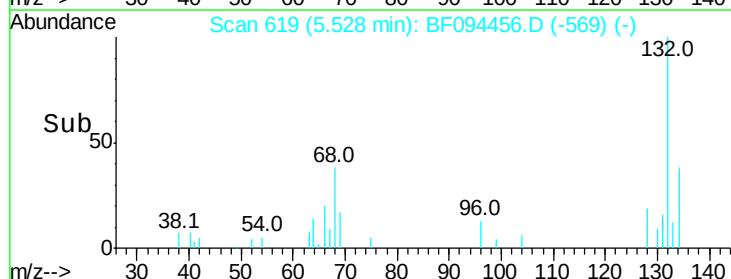


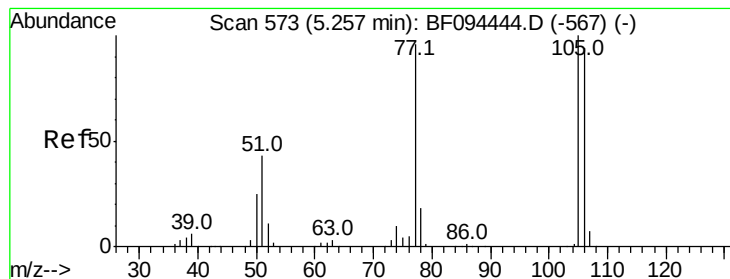
Abundance

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: 0.13 ng

RT: 5.32 min Scan# 583

Delta R.T. 0.06 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampled :

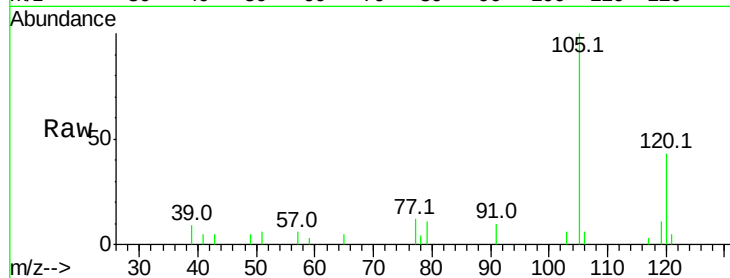
Tot Ion: 77 Resp: 1000

Ion Ratio Lower Upper

77 100

105 804.7 83.8 123.8#

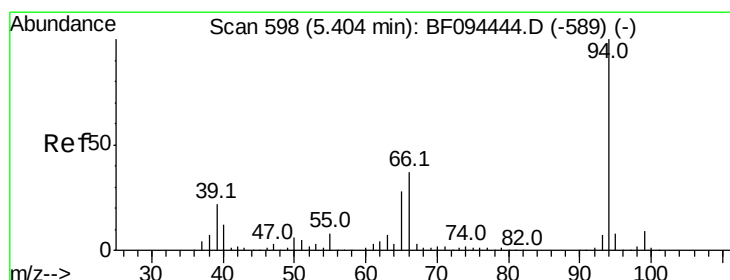
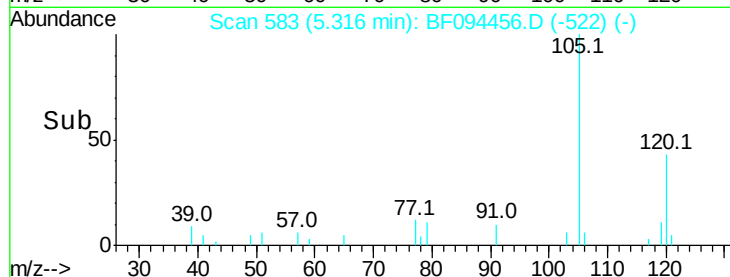
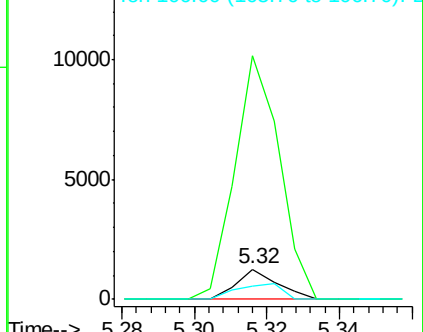
106 45.5 79.1 119.1#



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: 1.51 ng

RT: 5.40 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

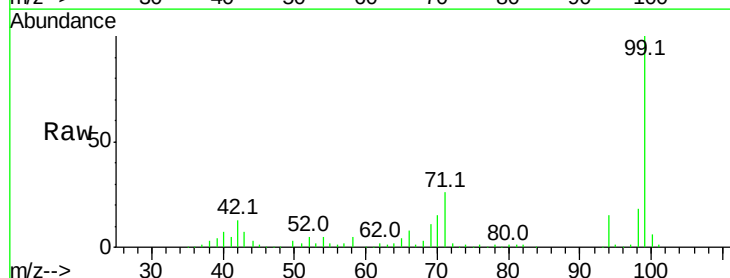
Tgt Ion: 94 Resp: 18931

Ion Ratio Lower Upper

94 100

65 29.2 9.9 49.9

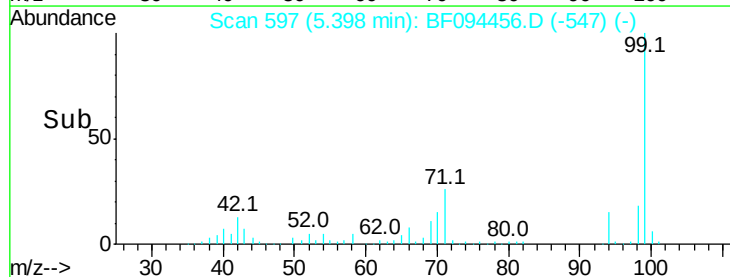
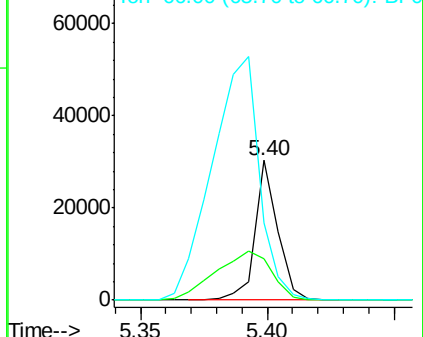
66 55.5 23.1 63.1

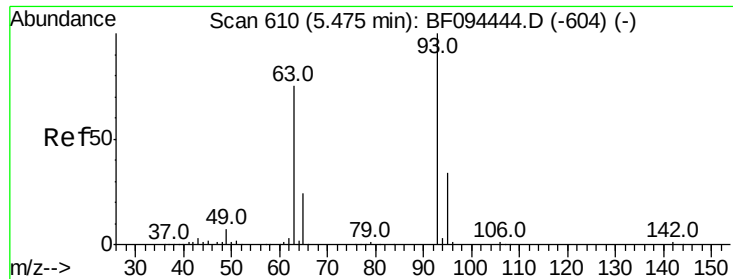


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 0.06 ng

RT: 5.47 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

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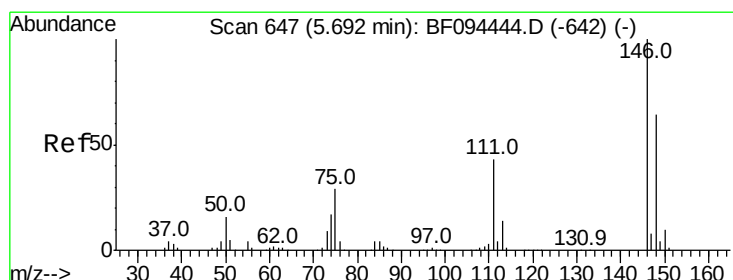
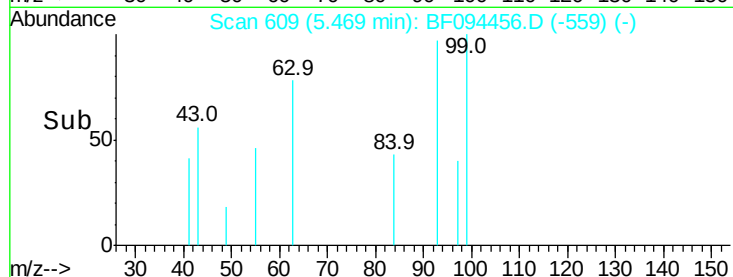
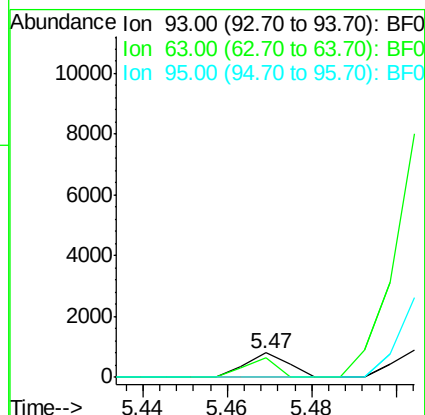
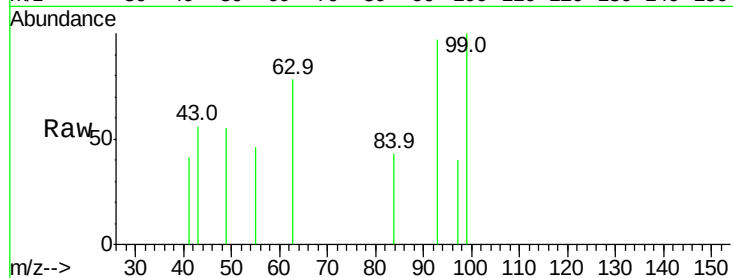
Tot Ion: 93 Resp: 550

Ion Ratio Lower Upper

93 100

63 80.5 59.2 99.2

95 0.0 12.8 52.8#



#12

1,3-Dichlorobenzene

Concen: 0.01 ng

RT: 5.94 min Scan# 689

Delta R.T. 0.25 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

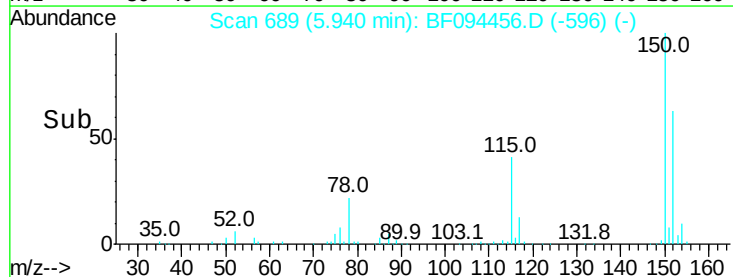
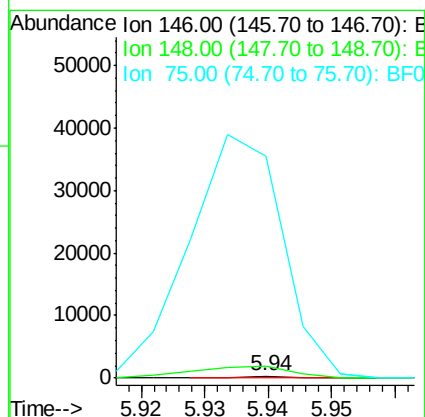
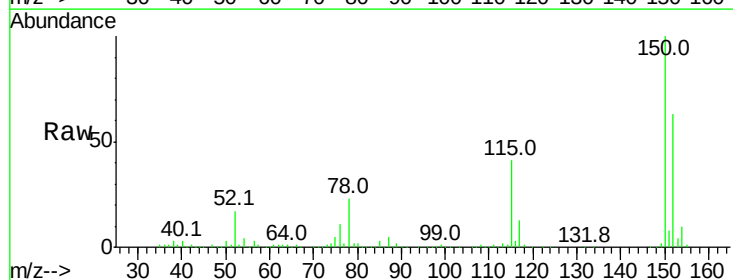
Tgt Ion: 146 Resp: 127

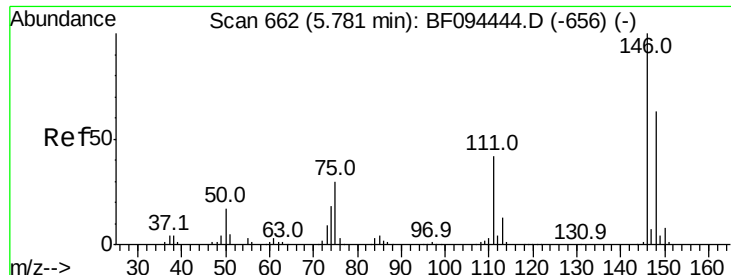
Ion Ratio Lower Upper

146 100

148 519.5 51.8 77.6#

75 9909.7 23.1 34.7#





#13

1,4-Dichlorobenzene

Concen: 0.01 ng

RT: 5.94 min Scan# 689

Delta R.T. 0.16 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

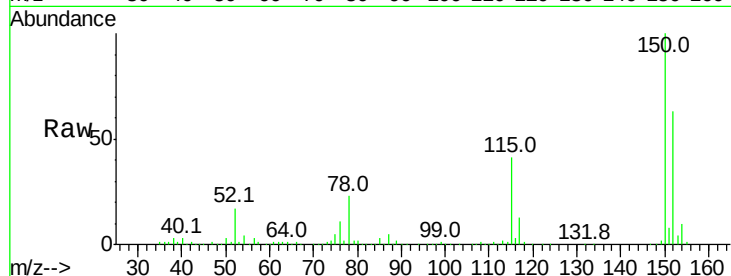
Tot Ion:146 Resp: 127

Ion Ratio Lower Upper

146 100

148 519.5 52.2 78.2#

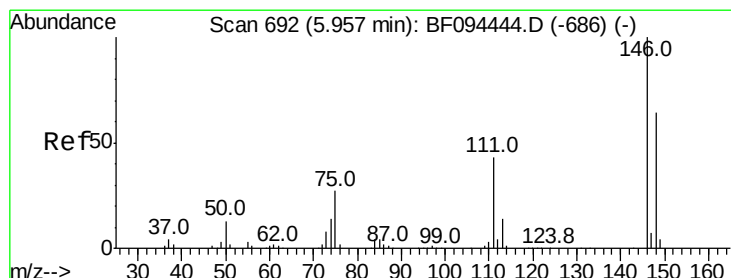
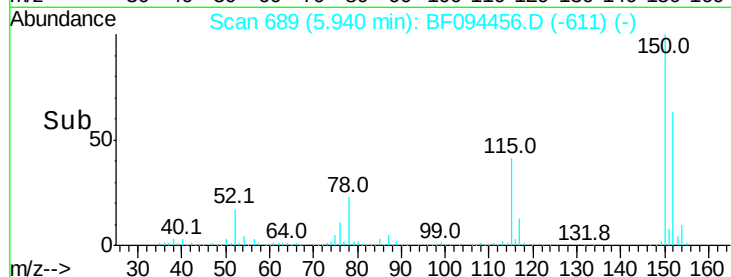
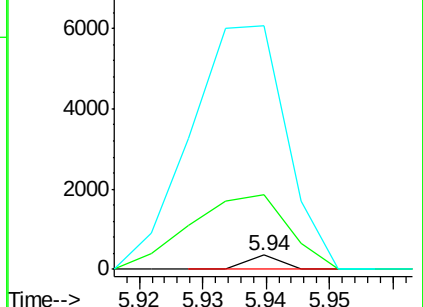
111 1690.3 30.3 45.5#



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: 0.01 ng

RT: 5.94 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

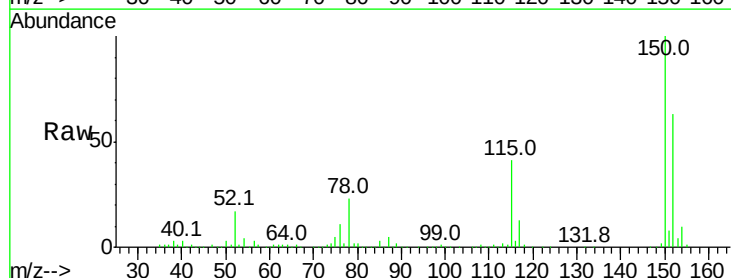
Tgt Ion:146 Resp: 127

Ion Ratio Lower Upper

146 100

148 519.5 50.4 75.6#

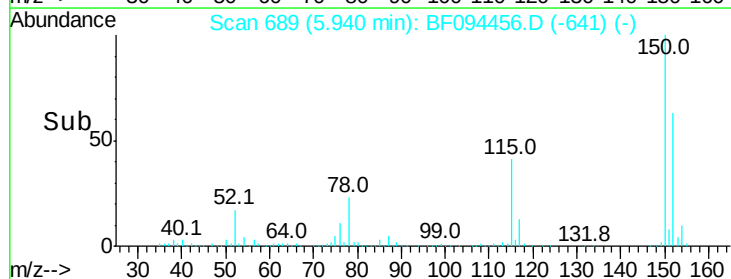
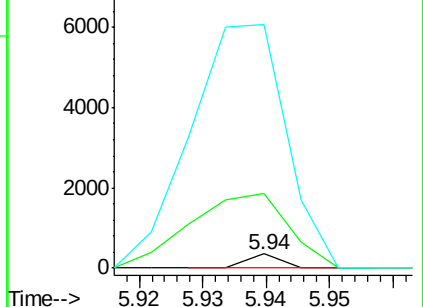
111 1690.3 38.2 57.4#

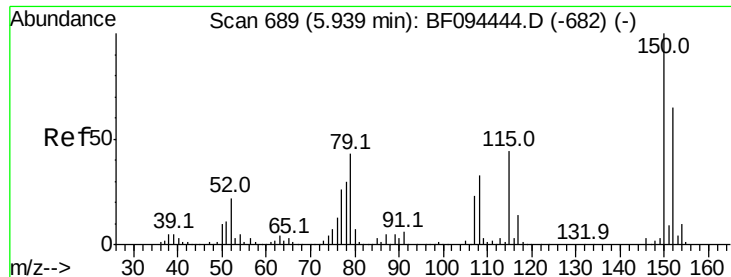


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

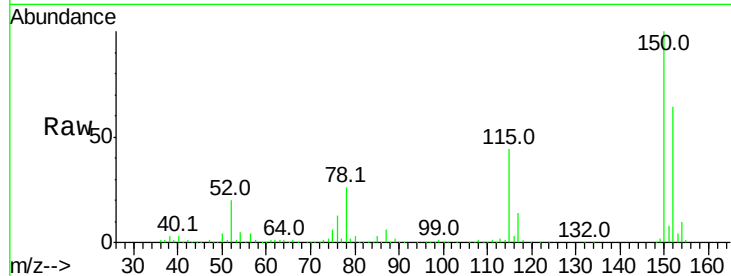




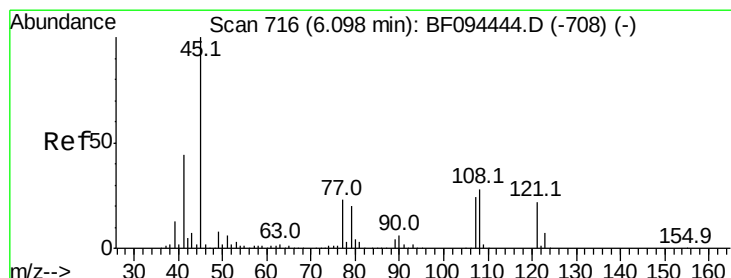
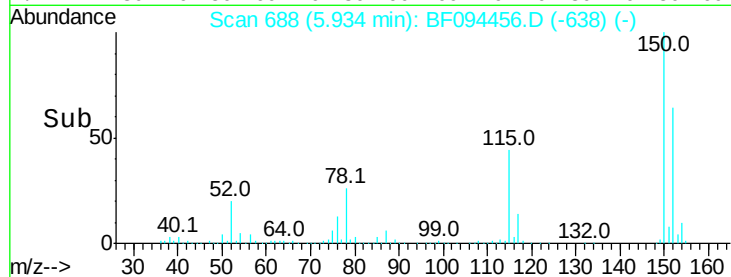
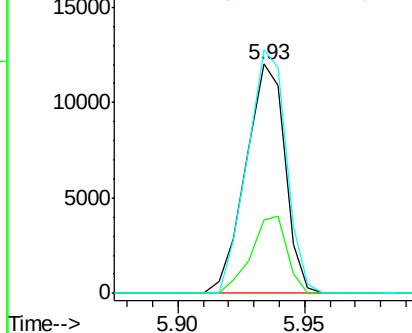
#15
Benzyl Alcohol
Concen: 1.72 ng
RT: 5.93 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 13006
Ion Ratio Lower Upper
79 100
108 31.8 63.4 95.0#
77 106.2 49.2 73.8#

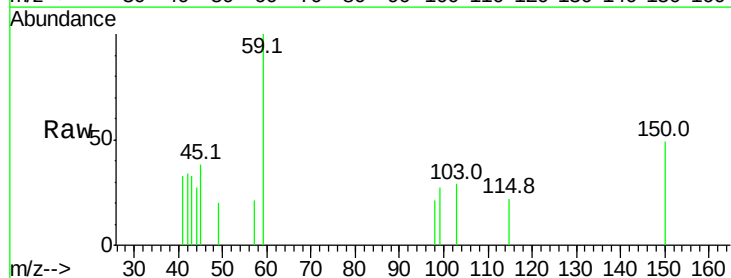


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

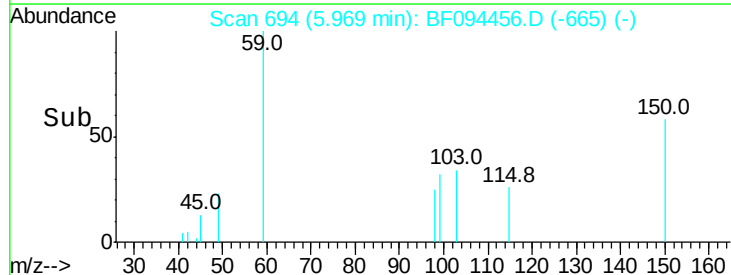
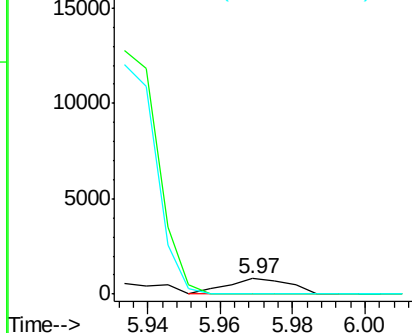


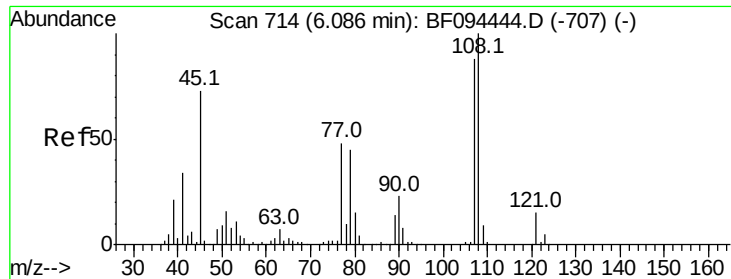
#16
2,2'-oxybis(1-chloropropane)
Concen: 0.08 ng
RT: 5.97 min Scan# 694
Delta R.T. -0.13 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

Tgt Ion: 45 Resp: 996
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: 0.04 ng

RT: 5.93 min Scan# 688

Delta R.T. -0.15 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 280

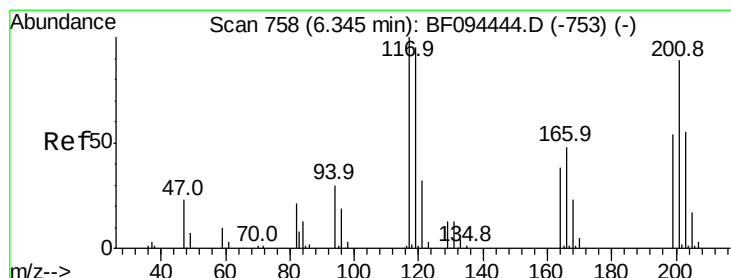
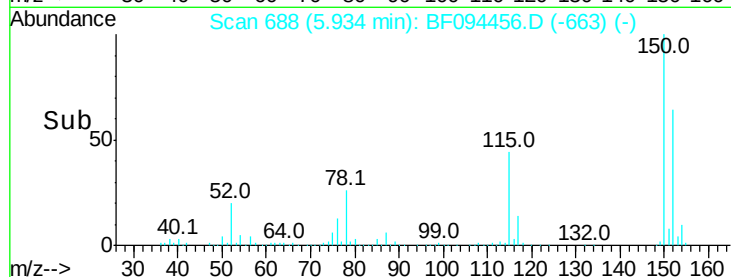
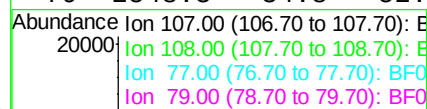
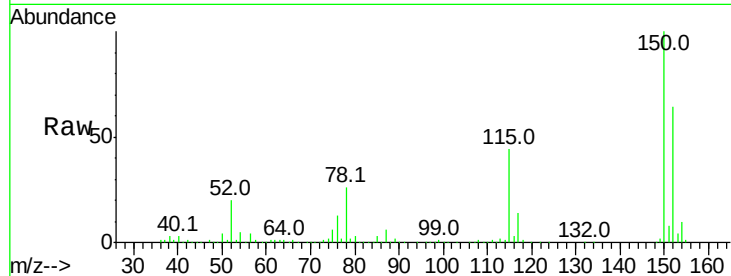
Ion Ratio Lower Upper

107 100

108 809.7 93.4 140.0#

77 2705.5 35.8 53.6#

79 2548.3 34.8 52.2#



#18

Hexachloroethane

Concen: 0.06 ng

RT: 6.39 min Scan# 766

Delta R.T. 0.05 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

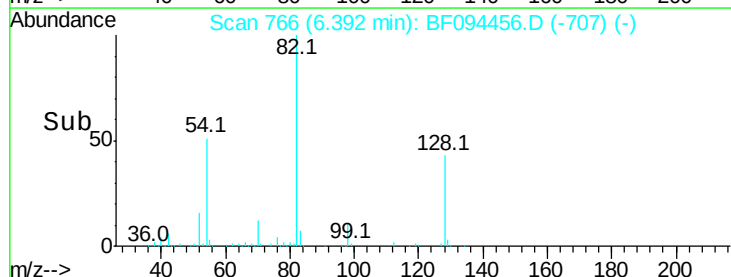
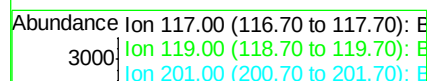
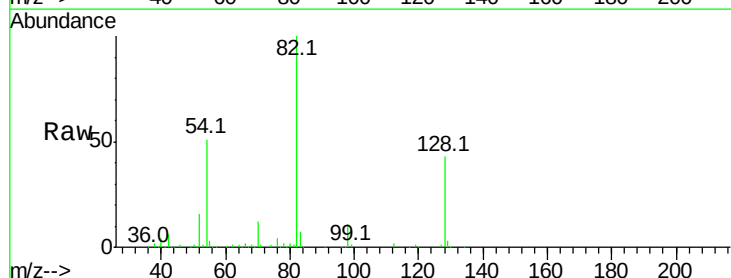
Tgt Ion:117 Resp: 213

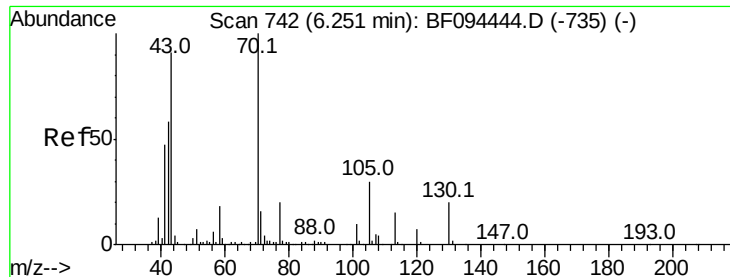
Ion Ratio Lower Upper

117 100

119 756.8 77.4 116.0#

201 0.0 94.6 141.8#





#19

n-Nitroso-di-n-propylamine

Concen: 17.87 ng

RT: 6.41 min Scan# 769

Delta R.T. 0.16 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 120695

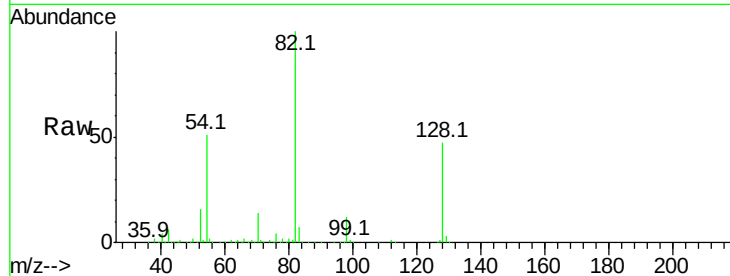
Ion Ratio Lower Upper

70 100

42 46.4 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

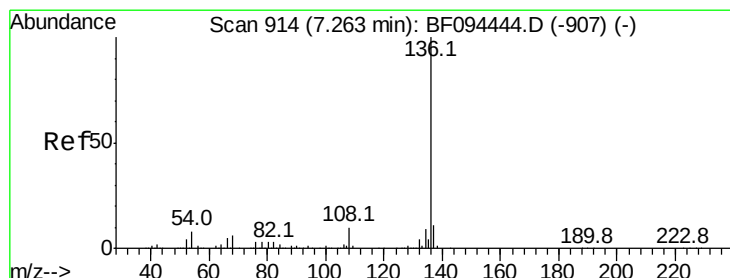
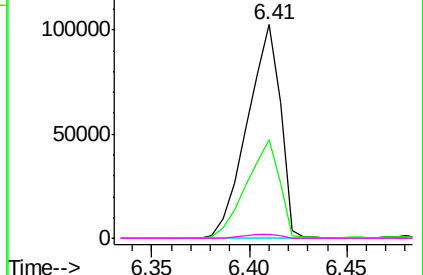
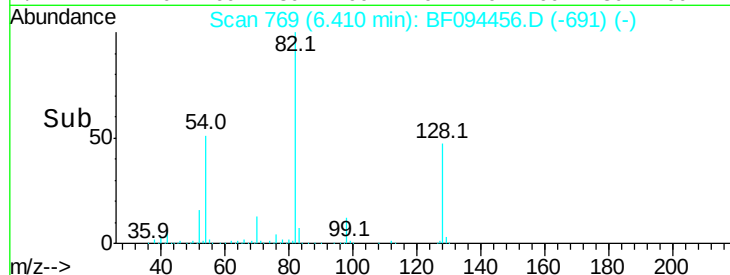


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Tgt Ion: 136 Resp: 590462

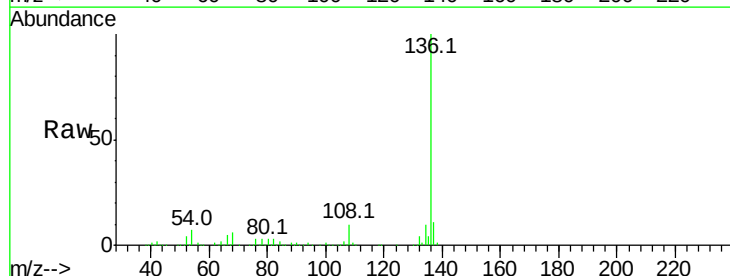
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.1 4.9 7.3

68 5.8 4.1 6.1

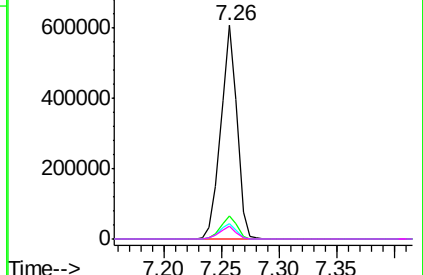
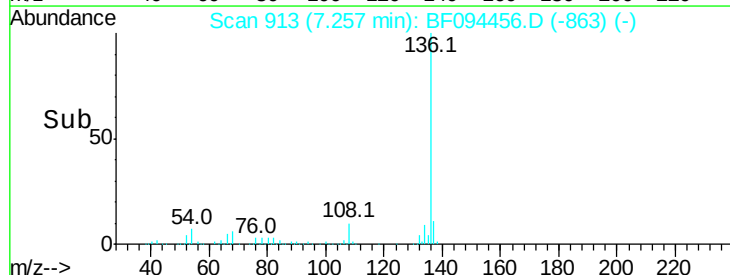


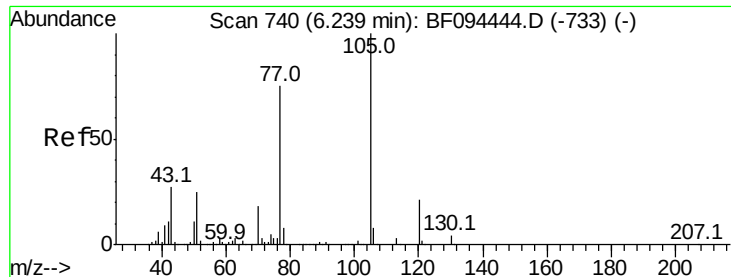
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 0.06 ng

RT: 6.22 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 890

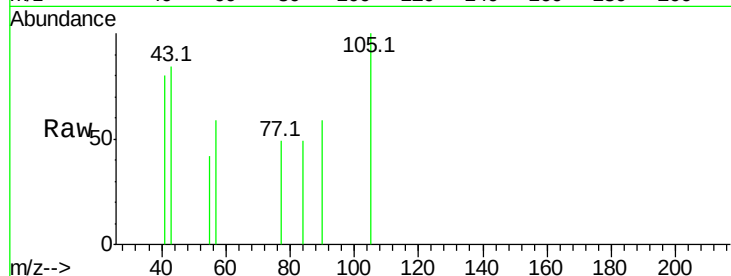
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 0.0 30.7 46.1#

120 0.0 17.4 26.0#

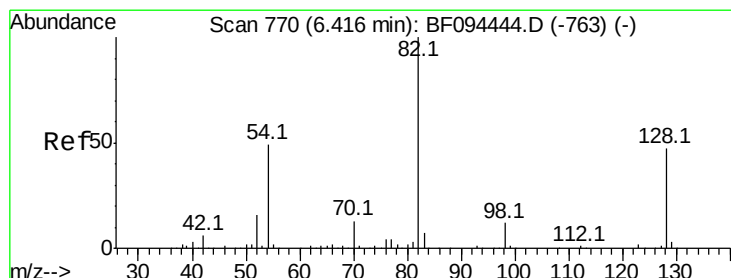
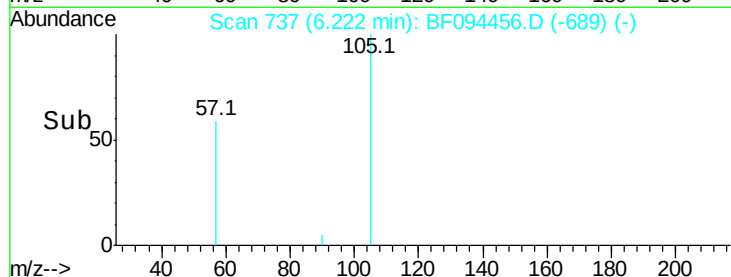
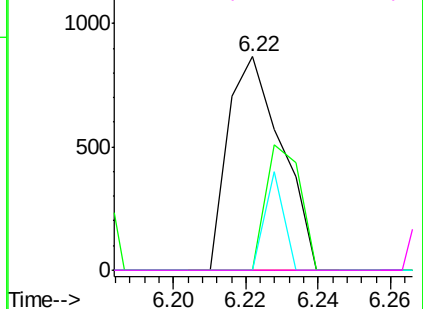


Abundance Ion 105.00 (104.70 to 105.70): E

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: 96.49 ng

RT: 6.41 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

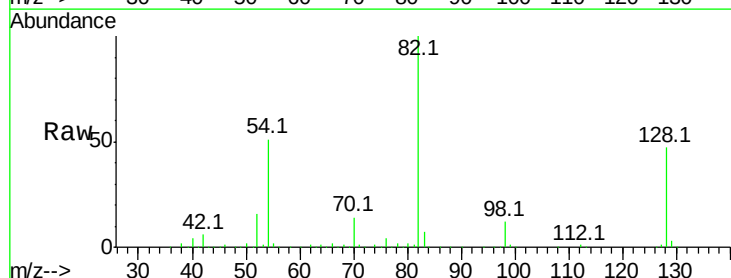
Tgt Ion: 82 Resp: 922667

Ion Ratio Lower Upper

82 100

128 46.9 34.0 51.0

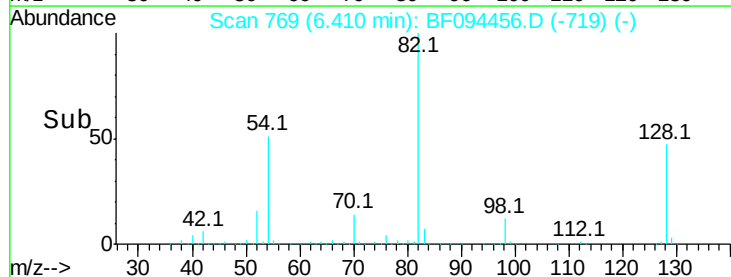
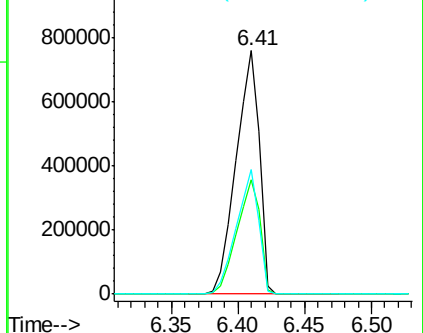
54 51.1 42.2 63.2

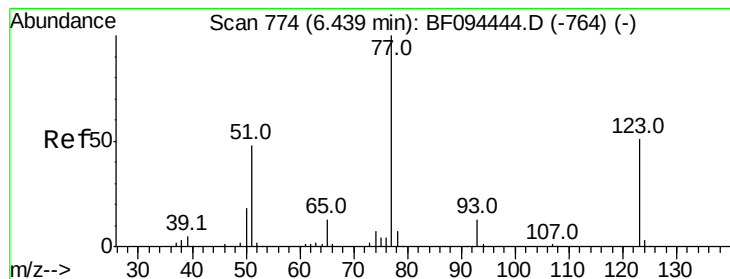


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 0.26 ng

RT: 6.41 min Scan# 769

Delta R.T. -0.03 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampled :

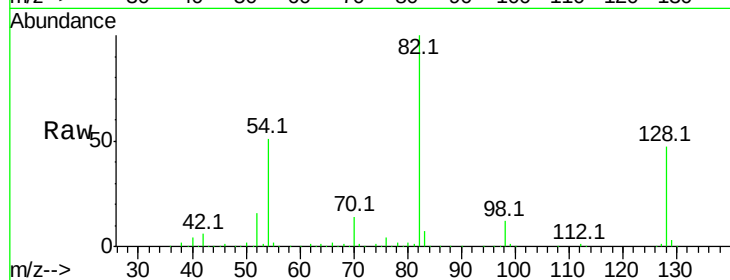
Tot Ion: 77 Resp: 2572

Ion Ratio Lower Upper

77 100

123 0.0 35.8 53.8#

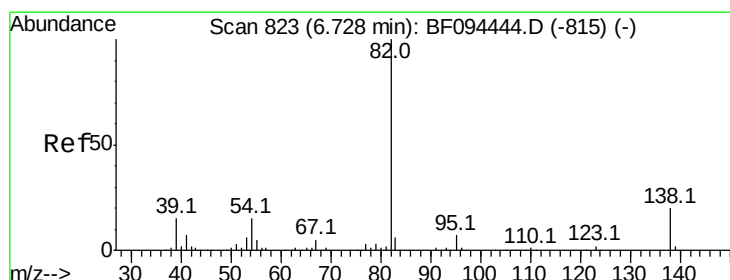
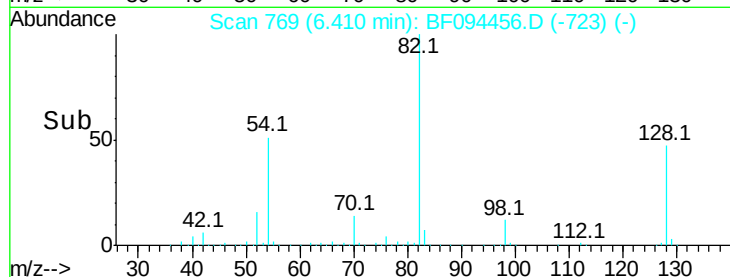
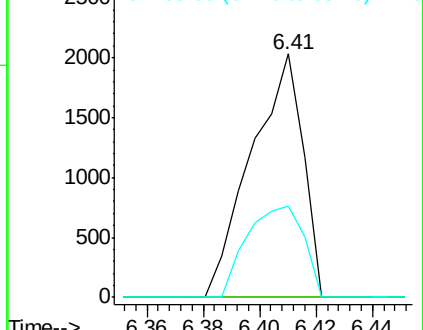
65 37.7 10.6 15.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 0.06 ng

RT: 6.99 min Scan# 867

Delta R.T. 0.26 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

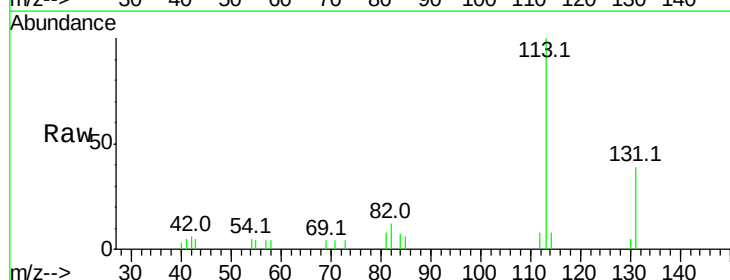
Tgt Ion: 82 Resp: 1091

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

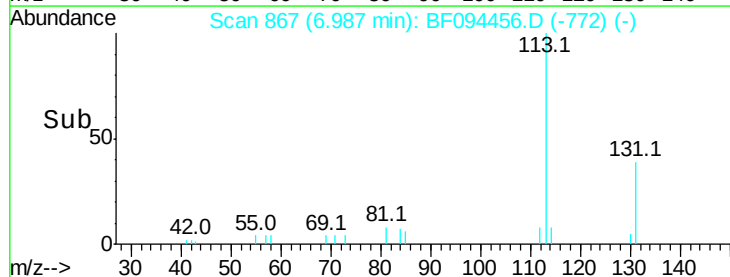
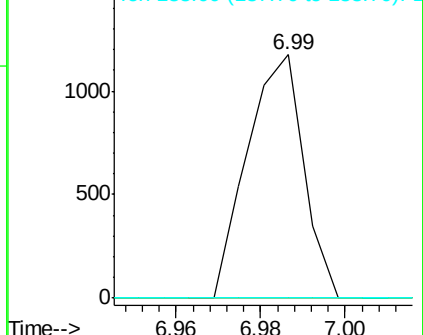
138 0.0 13.1 19.7#

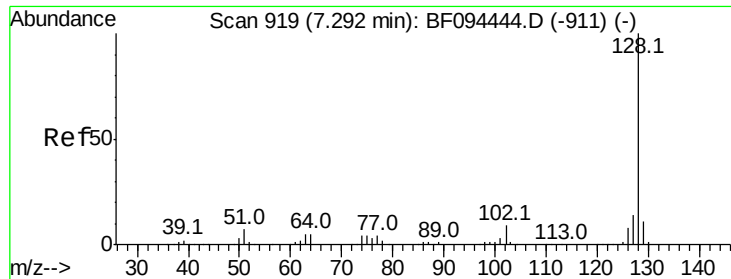


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

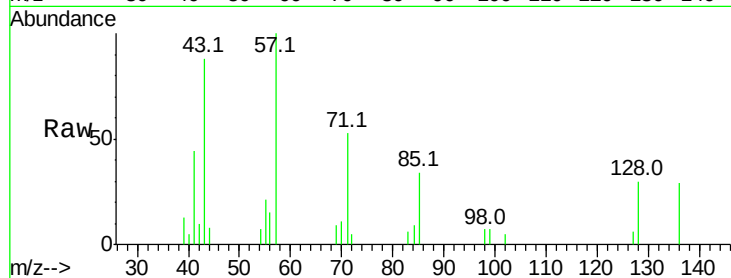




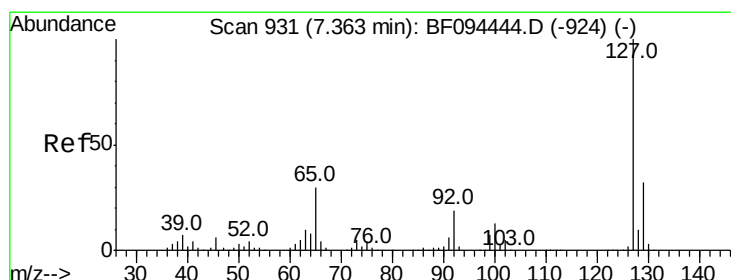
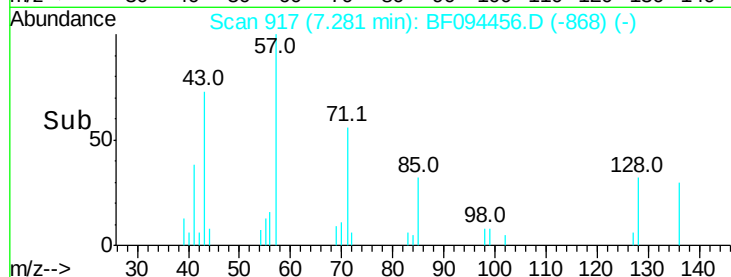
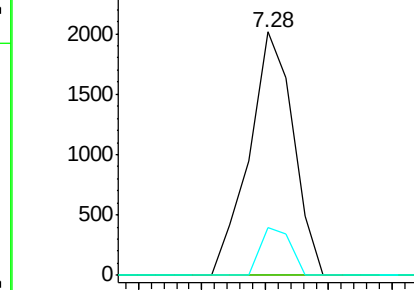
#31
Naphthalene
Concen: 0.07 ng
RT: 7.28 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 1944
Ion Ratio Lower Upper
128 100
129 0.0 9.0 13.6#
127 19.8 10.8 16.2#

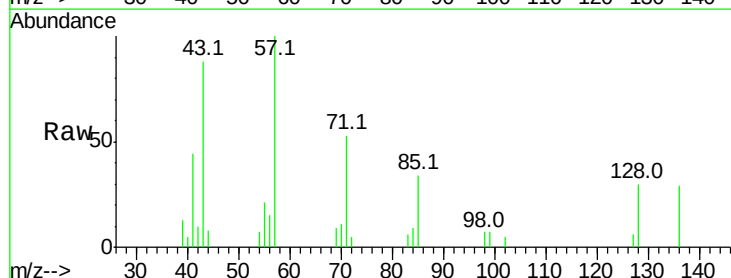


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

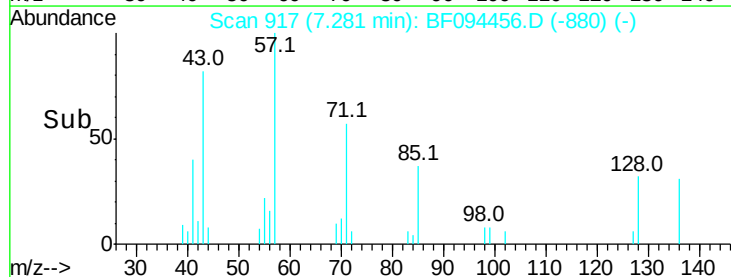
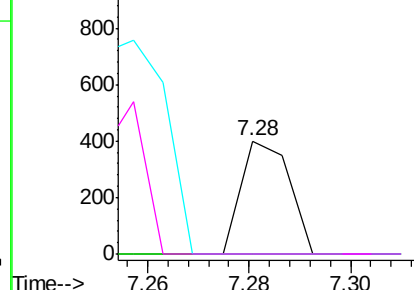


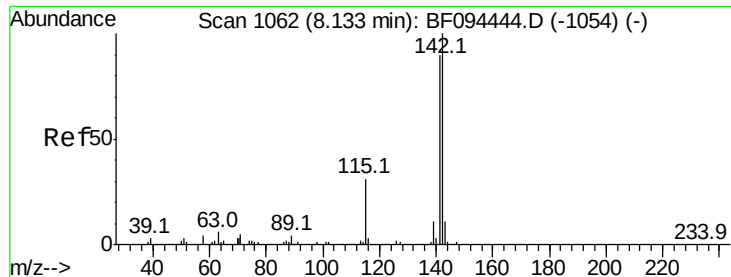
#33
4-Chloroaniline
Concen: 0.02 ng
RT: 7.28 min Scan# 917
Delta R.T. -0.08 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

Tgt Ion:127 Resp: 264
Ion Ratio Lower Upper
127 100
129 0.0 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: 0.11 ng

RT: 8.12 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

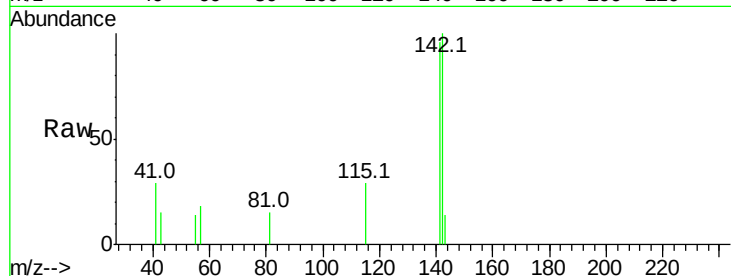
Tot Ion:142 Resp: 2214

Ion Ratio Lower Upper

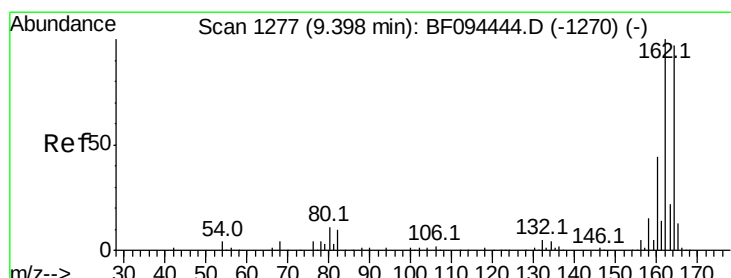
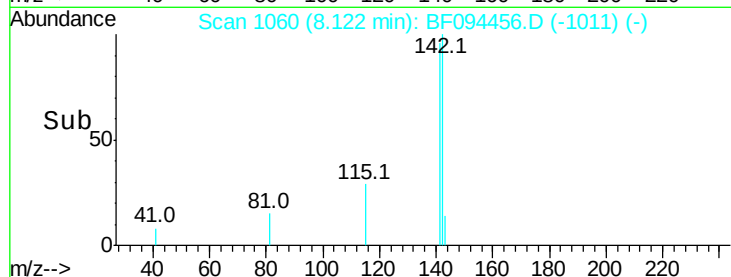
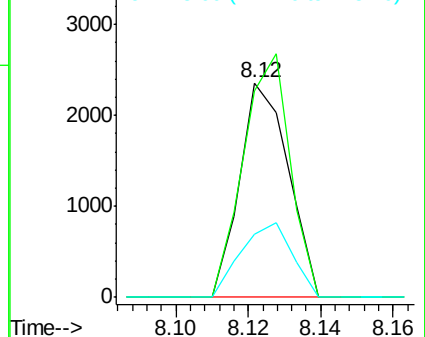
142 100

141 96.2 71.3 106.9

115 29.4 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: BF094456.D

Acq: 17 Apr 2017 18:23

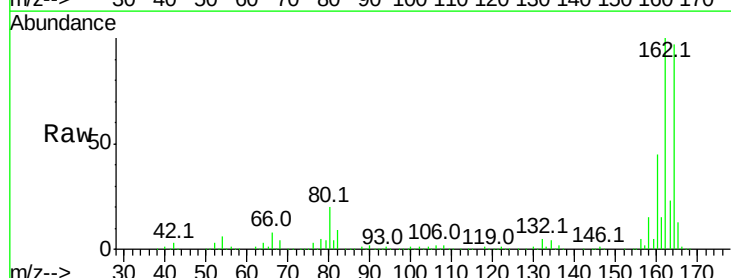
Tgt Ion:164 Resp: 276692

Ion Ratio Lower Upper

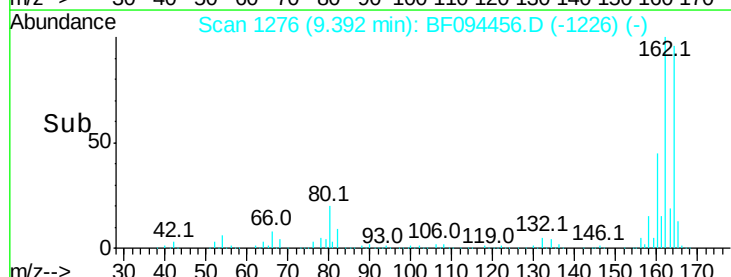
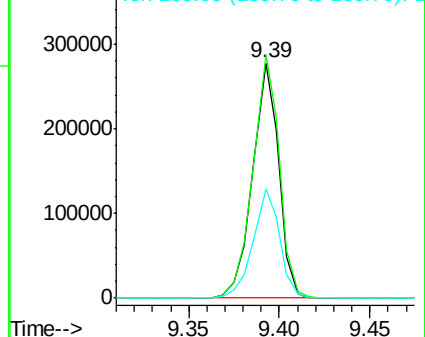
164 100

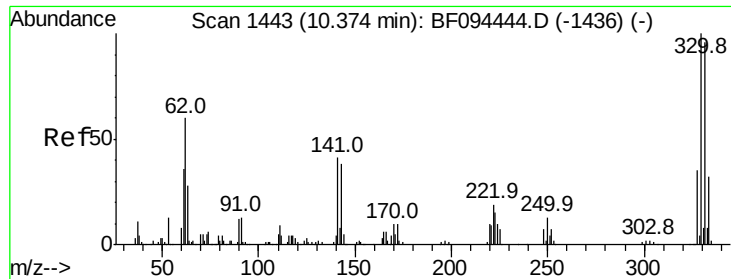
162 103.6 82.6 123.8

160 46.6 36.2 54.2



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

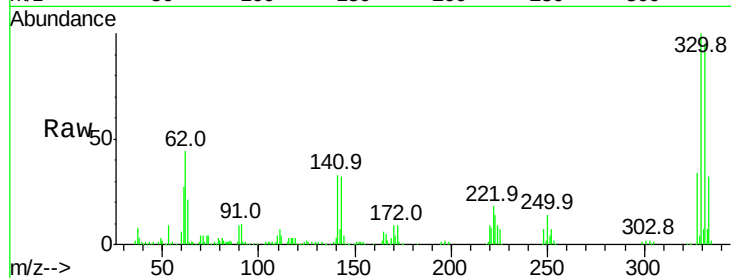




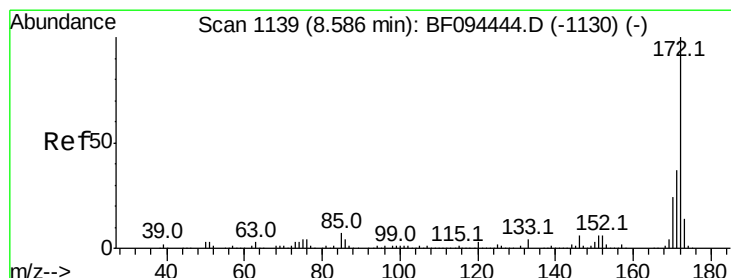
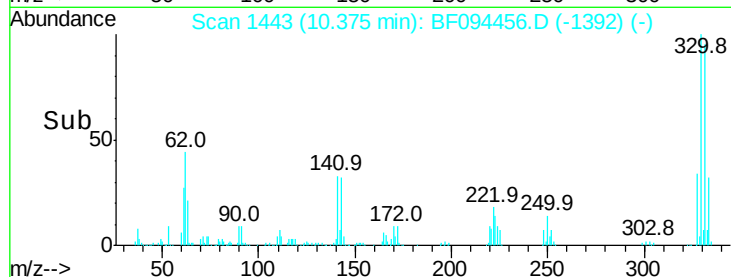
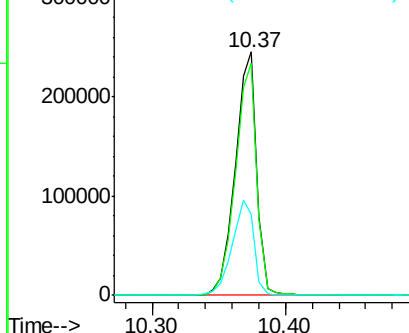
#41
 2,4,6-Tribromophenol
 Concen: 127.23 ng
 RT: 10.37 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: BF094456.D
 Acq: 17 Apr 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	115.0
141	40.5	31.4	47.2

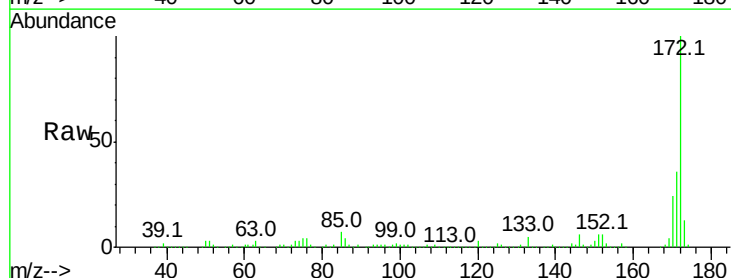


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

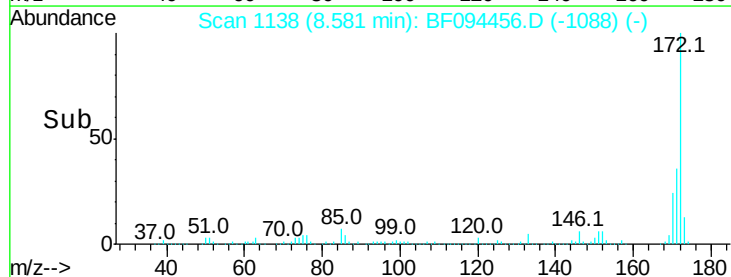
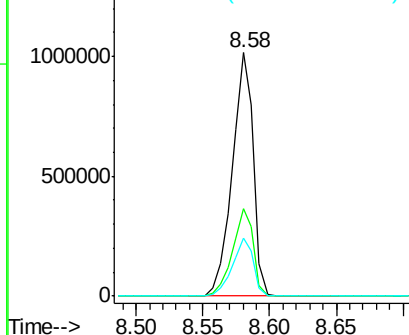


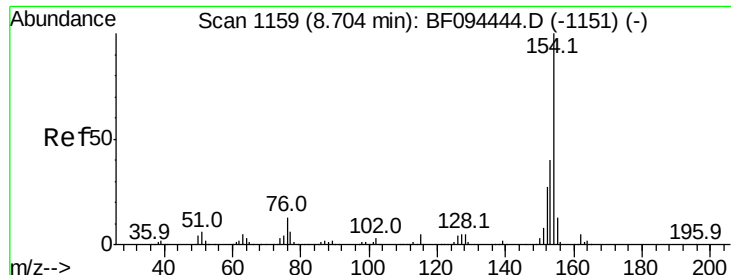
#44
 2-Fluorobiphenyl
 Concen: 59.49 ng
 RT: 8.58 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BF094456.D
 Acq: 17 Apr 2017 18:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.6	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: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

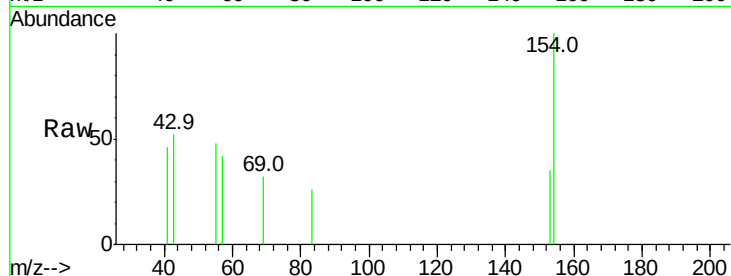
Tot Ion:154 Resp: 1056

Ion Ratio Lower Upper

154 100

153 34.6 21.2 61.2

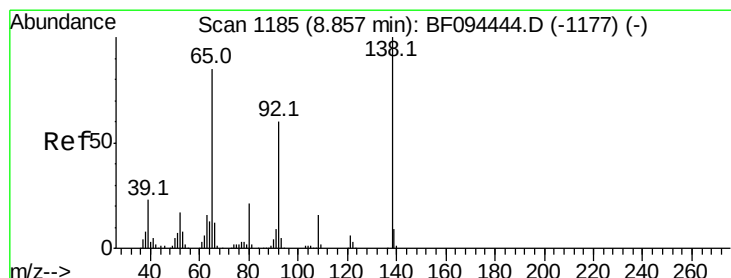
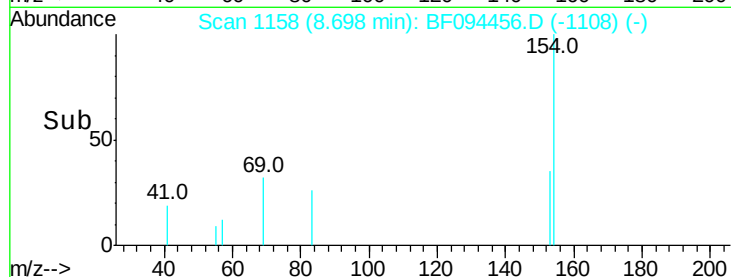
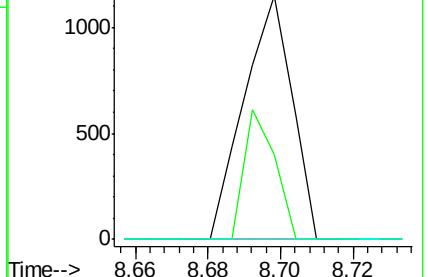
76 0.0 0.0 29.9



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: 1.28 ng

RT: 9.08 min Scan# 1223

Delta R.T. 0.22 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

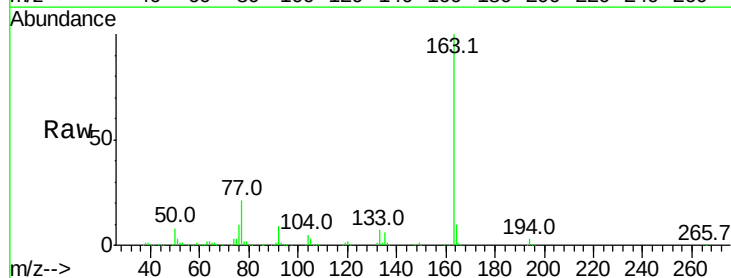
Tgt Ion: 65 Resp: 6609

Ion Ratio Lower Upper

65 100

92 851.8 53.9 80.9#

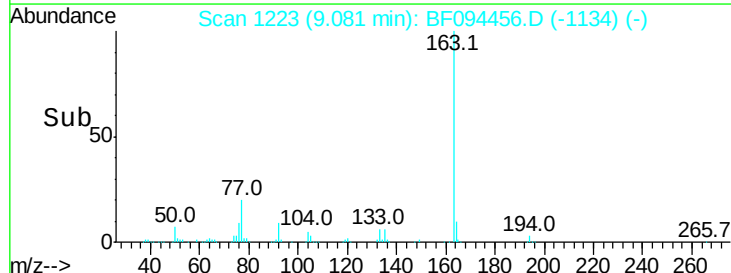
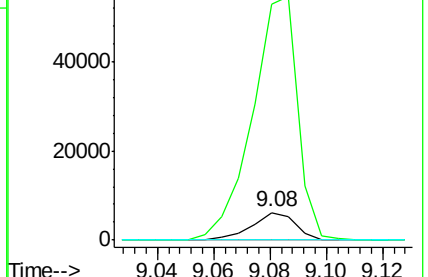
138 0.0 78.8 118.2#

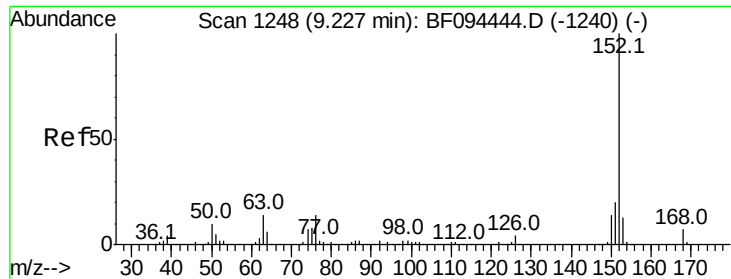


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.01 ng

RT: 9.39 min Scan# 1275

Delta R.T. 0.16 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampled :

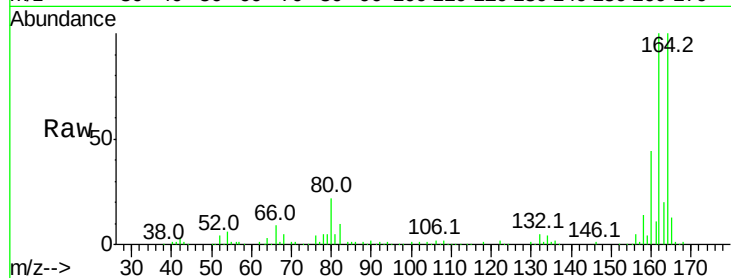
Tot Ion:152 Resp: 255

Ion Ratio Lower Upper

152 100

151 0.0 16.8 25.2#

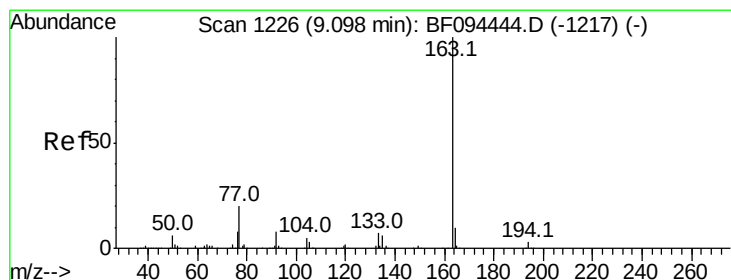
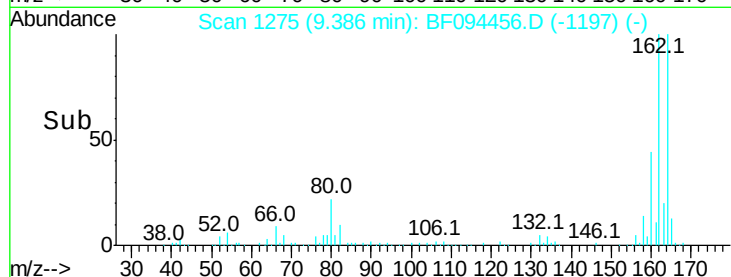
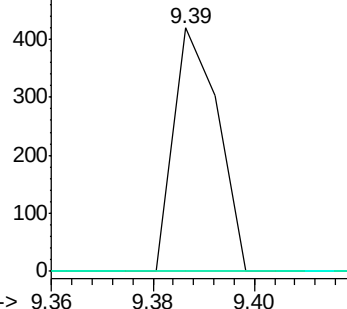
153 0.0 10.8 16.2#



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: 35.75 ng

RT: 9.09 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

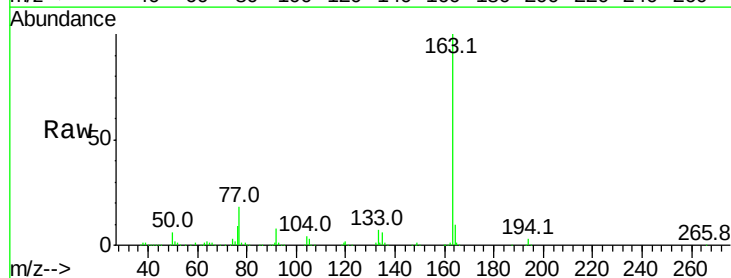
Tgt Ion:163 Resp: 737126

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

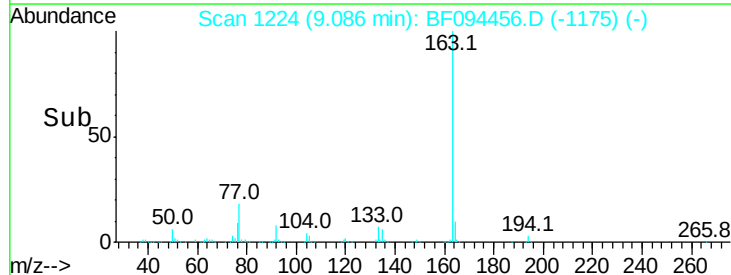
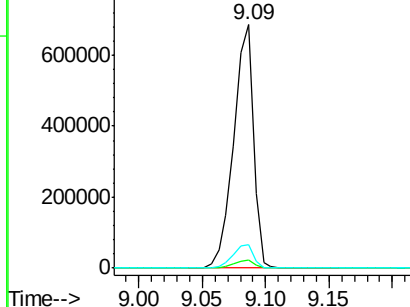
164 9.6 8.4 12.6

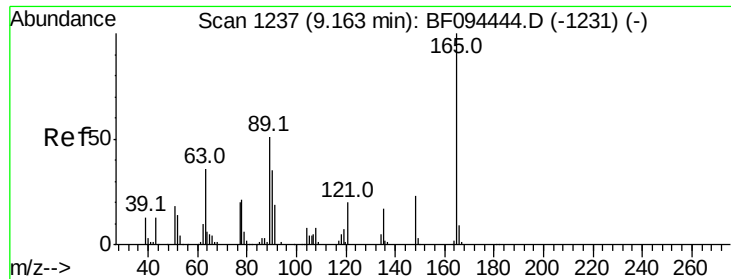


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

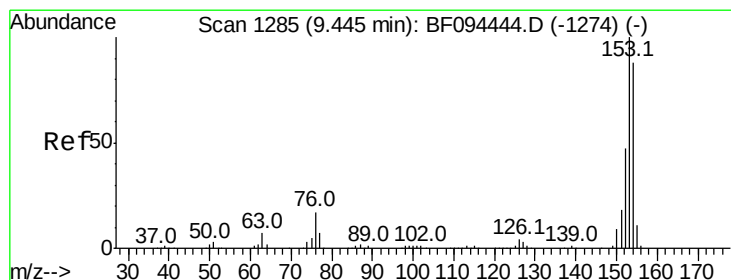
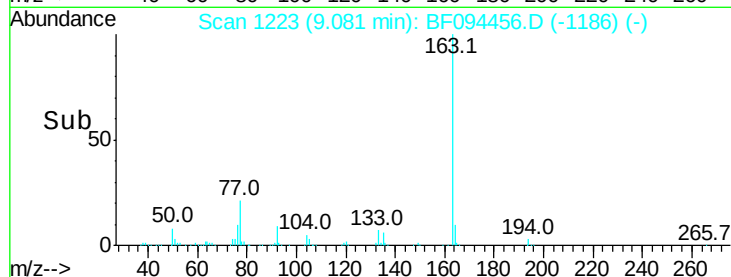
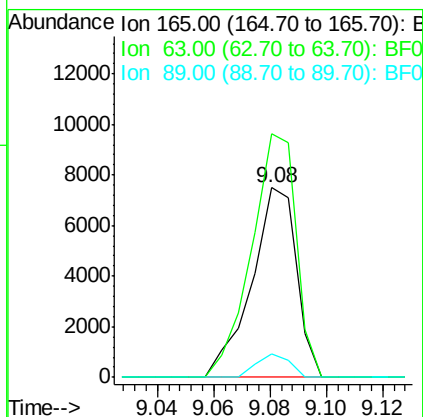
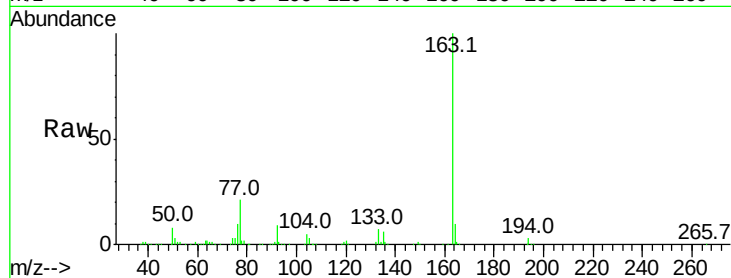




#50
 2,6-Dinitrotoluene
 Concen: 1.79 ng
 RT: 9.08 min Scan# 1223
 Delta R.T. -0.08 min
 Lab File: BF094456.D
 Acq: 17 Apr 2017 18:23

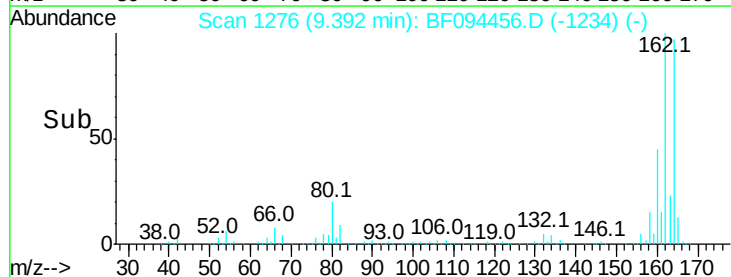
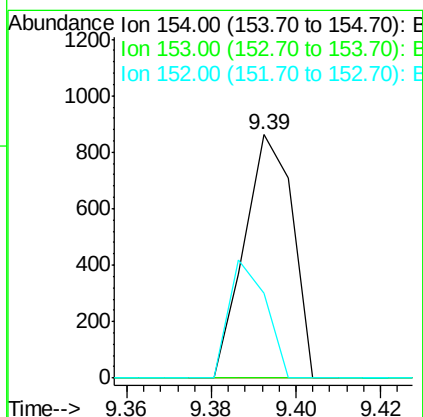
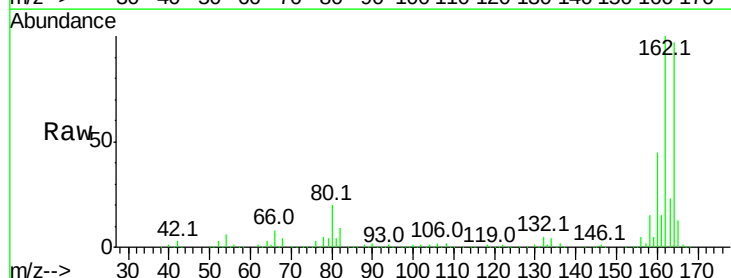
Instrument :
 BNA_F
 ClientSampleId :

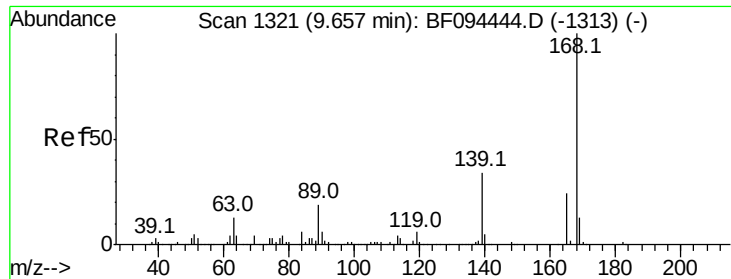
Tot Ion:165 Resp: 8286
 Ion Ratio Lower Upper
 165 100
 63 128.6 34.3 51.5#
 89 12.1 37.1 55.7#



#51
 Acenaphthene
 Concen: 0.04 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. -0.05 min
 Lab File: BF094456.D
 Acq: 17 Apr 2017 18:23

Tgt Ion:154 Resp: 684
 Ion Ratio Lower Upper
 154 100
 153 0.0 90.5 135.7#
 152 35.0 43.6 65.4#

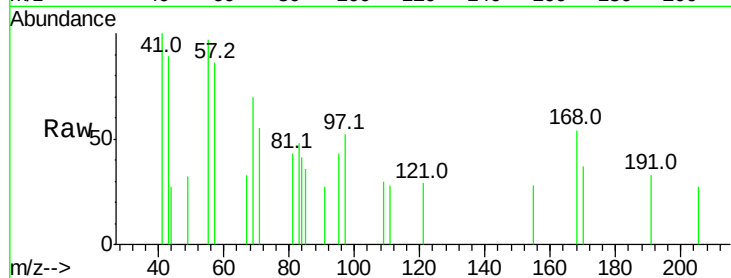




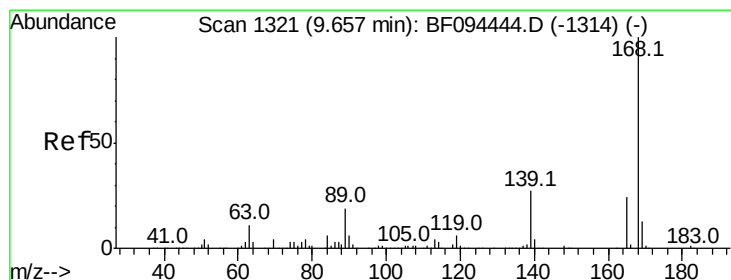
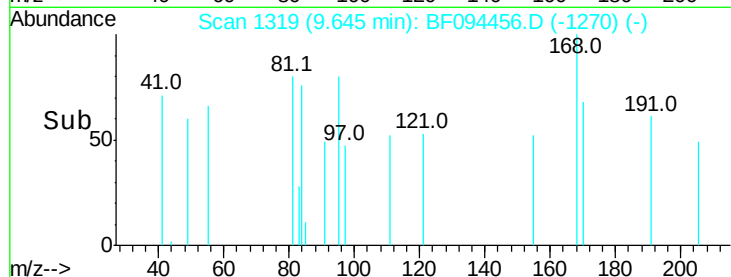
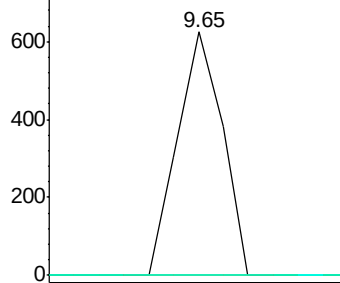
#54
Dibenzenofuran
Concen: 0.02 ng
RT: 9.65 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:168 Resp: 462
Ion Ratio Lower Upper
168 100
139 0.0 30.6 45.8#
169 0.0 10.8 16.2#

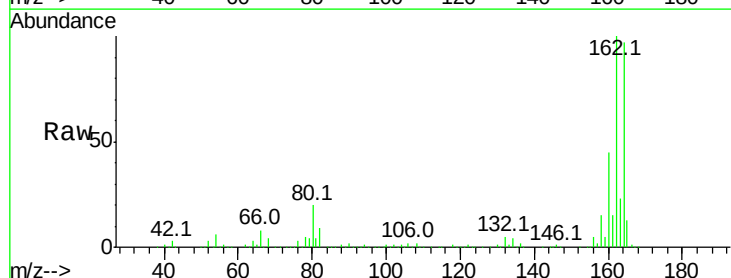


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

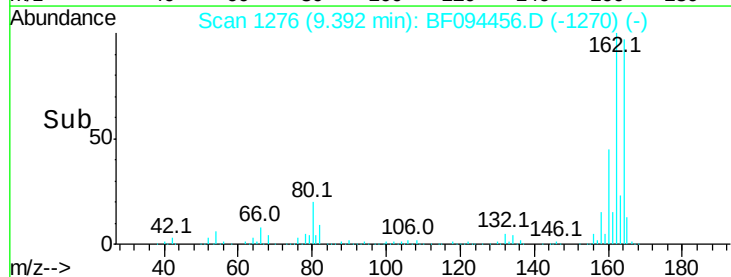
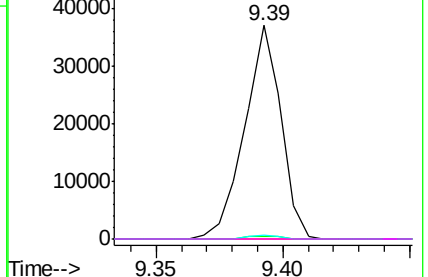


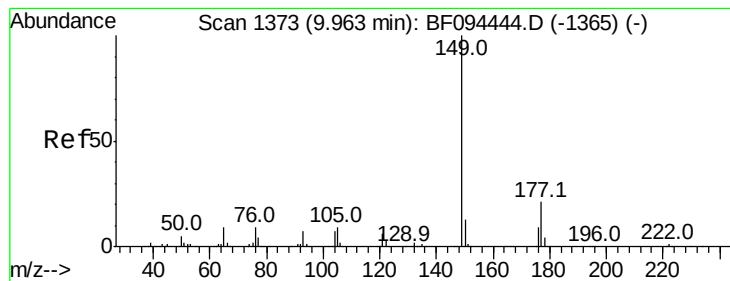
#56
2,4-Dinitrotoluene
Concen: 6.48 ng
RT: 9.39 min Scan# 1276
Delta R.T. -0.26 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

Tgt Ion:165 Resp: 36817
Ion Ratio Lower Upper
165 100
63 1.0 25.4 38.0#
89 1.7 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





#59

Diethylphthalate

Concen: 0.15 ng

RT: 9.95 min Scan# 1371

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

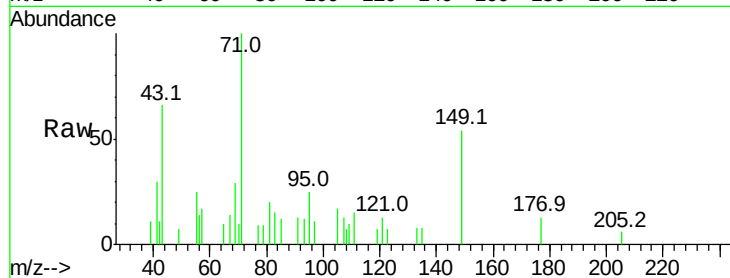
Tot Ion:149 Resp: 2938

Ion Ratio Lower Upper

149 100

177 24.8 16.7 25.1

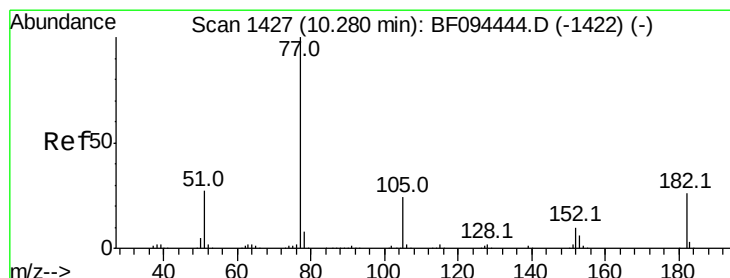
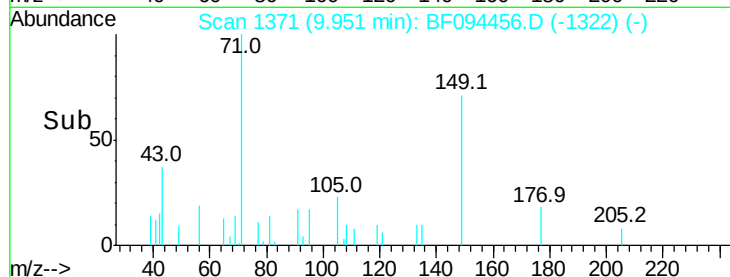
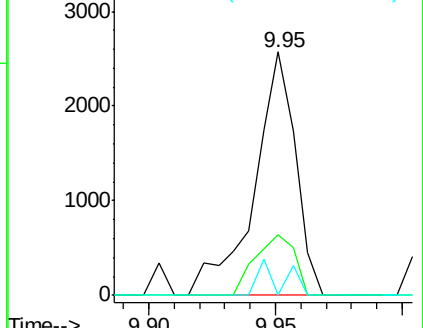
150 0.0 10.2 15.2#



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: 0.04 ng

RT: 10.26 min Scan# 1424

Delta R.T. -0.02 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Tgt Ion: 77 Resp: 683

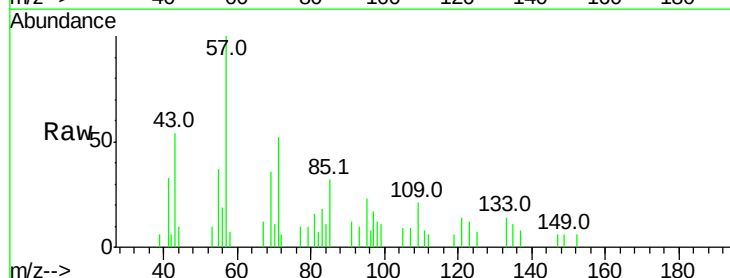
Ion Ratio Lower Upper

77 100

182 0.0 0.1 40.1#

105 84.2 3.6 43.6#

51 0.0 9.4 49.4#

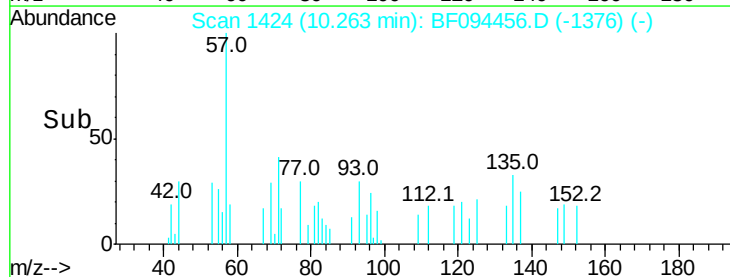
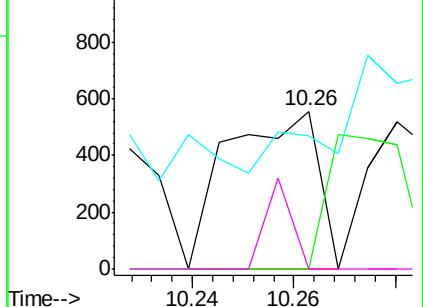


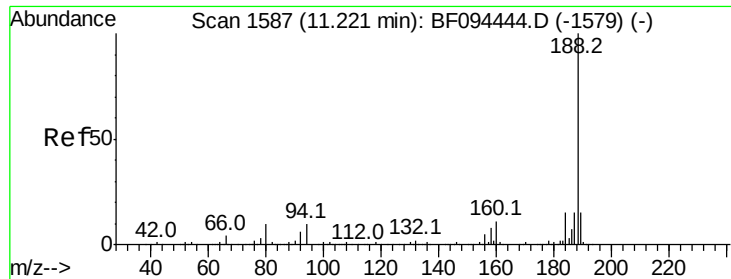
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

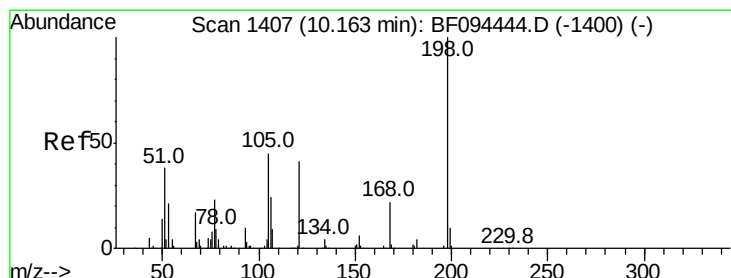
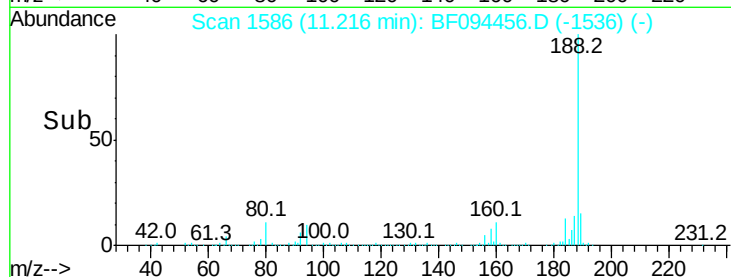
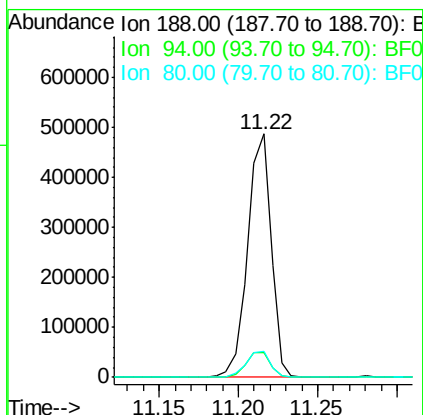
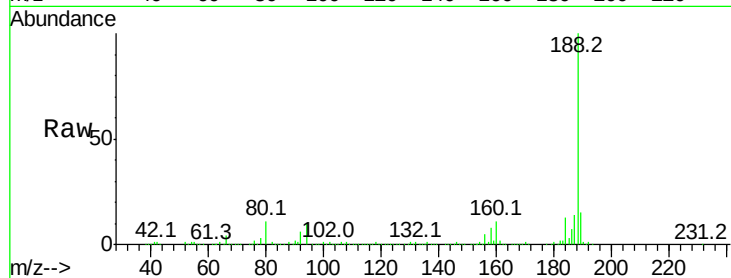




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

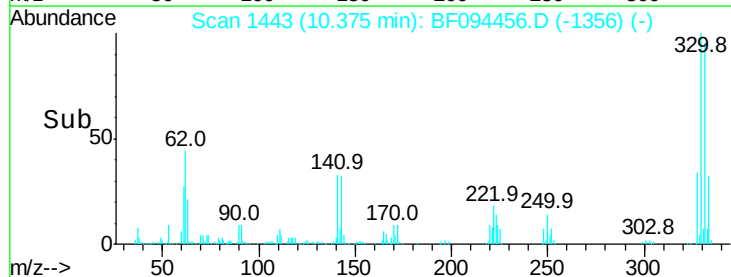
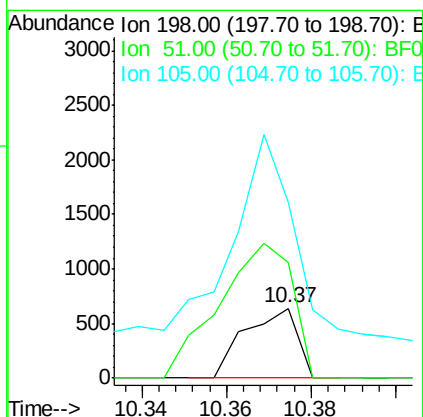
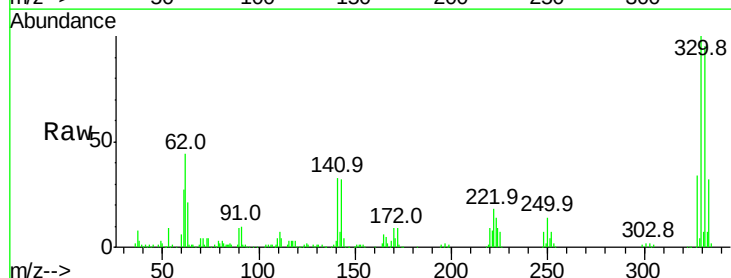
Instrument :
BNA_F
ClientSampleId :

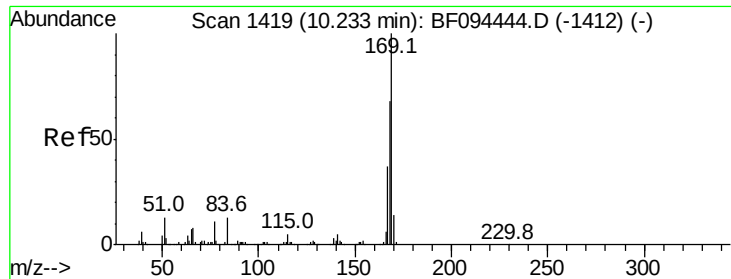
Tot Ion:188 Resp: 502355
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 10.5 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 0.17 ng
RT: 10.37 min Scan# 1443
Delta R.T. 0.21 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

Tgt Ion:198 Resp: 551
Ion Ratio Lower Upper
198 100
51 165.6 53.2 93.2#
105 251.8 45.8 85.8#





#65

n-Nitrosodiphenylamine

Concen: 0.60 ng

RT: 10.37 min Scan# 1442

Delta R.T. 0.14 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampled :

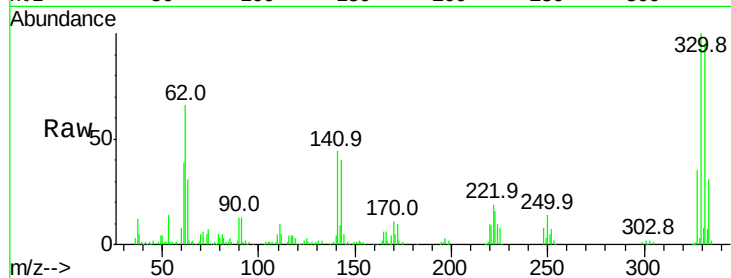
Tot Ion:169 Resp: 10558

Ion Ratio Lower Upper

169 100

168 9.0 53.2 79.8#

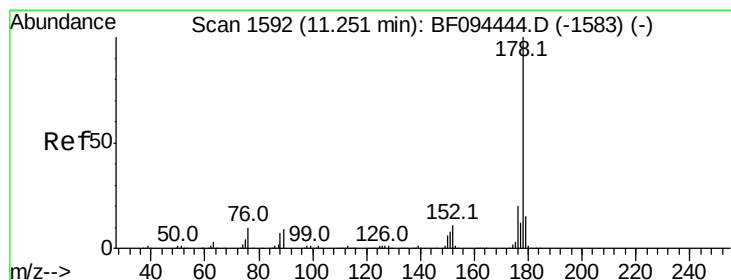
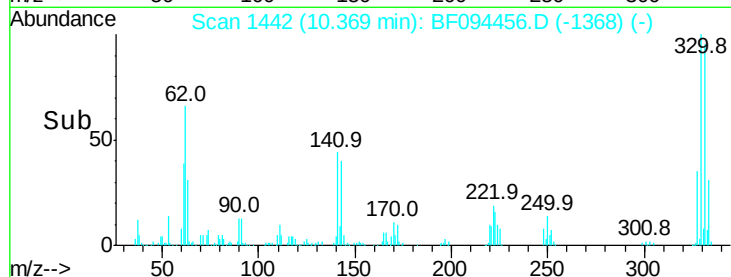
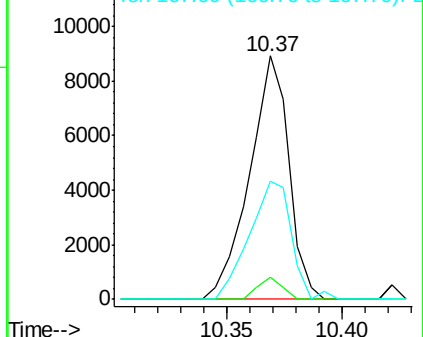
167 48.6 29.5 44.3#



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: 0.09 ng

RT: 11.24 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

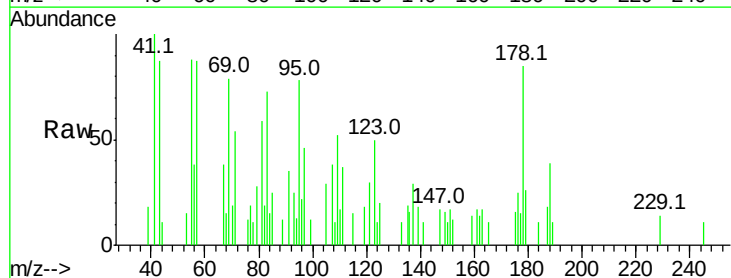
Tgt Ion:178 Resp: 2425

Ion Ratio Lower Upper

178 100

176 29.9 16.2 24.4#

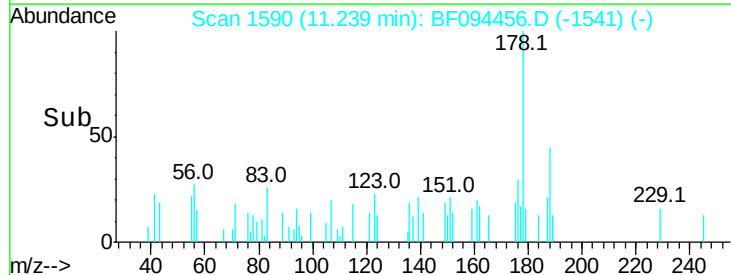
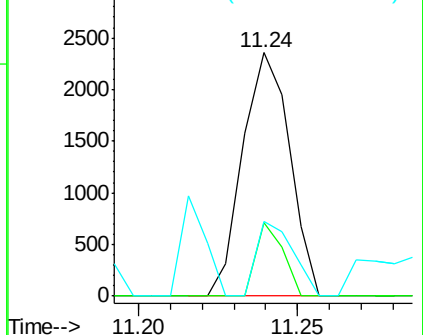
179 30.8 12.6 19.0#

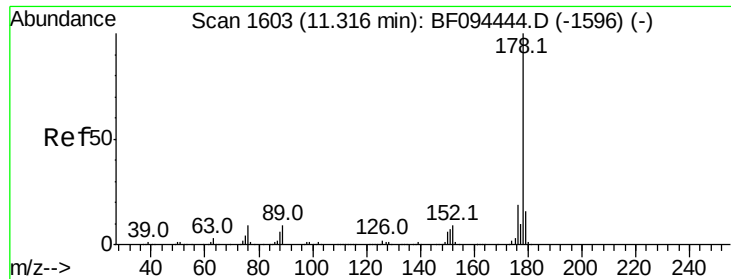


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.01 ng

RT: 11.30 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

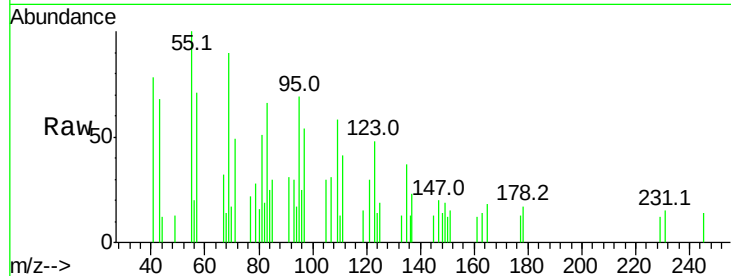
Tot Ion:178 Resp: 416

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

179 0.0 12.7 19.1#



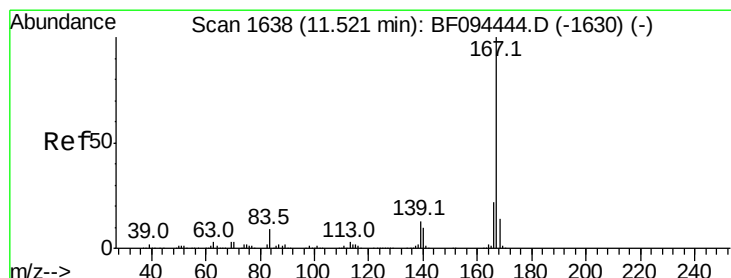
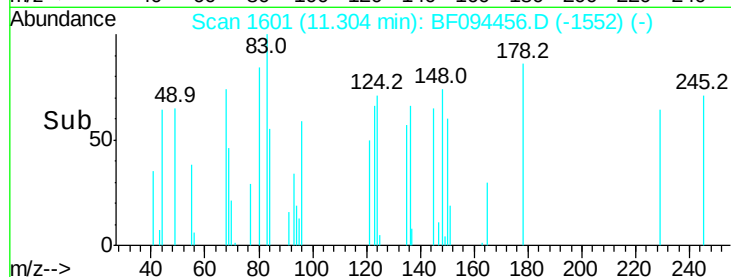
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.30

Time-->



#72

Carbazole

Concen: 0.01 ng

RT: 11.52 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

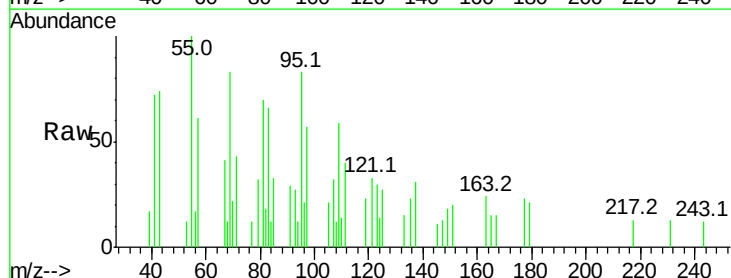
Tgt Ion:167 Resp: 148

Ion Ratio Lower Upper

167 100

166 0.0 18.1 27.1#

139 0.0 11.7 17.5#



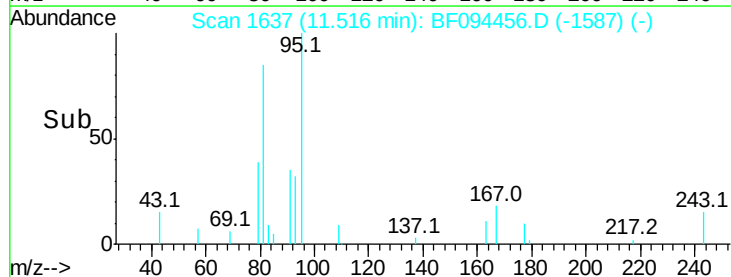
Abundance Ion 167.00 (166.70 to 167.70): E

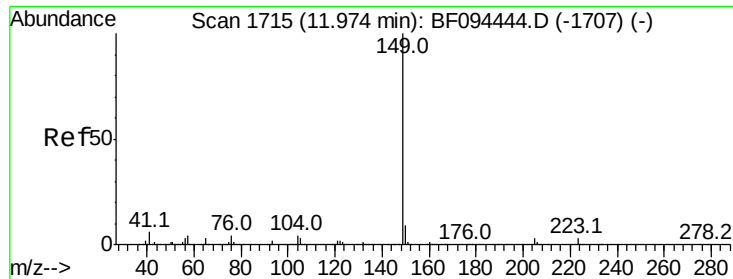
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

11.52

Time-->





#73

Di-n-butylphthalate

Concen: 0.22 ng

RT: 11.97 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

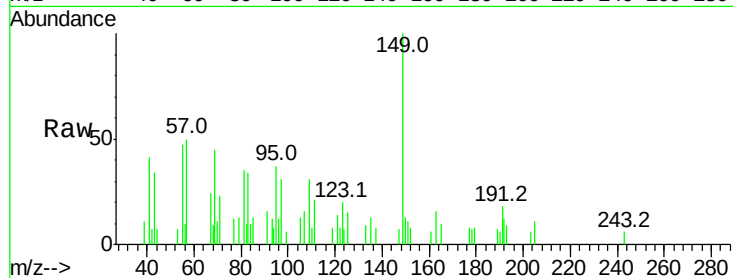
Tot Ion:149 Resp: 6580

Ion Ratio Lower Upper

149 100

150 13.4 7.7 11.5#

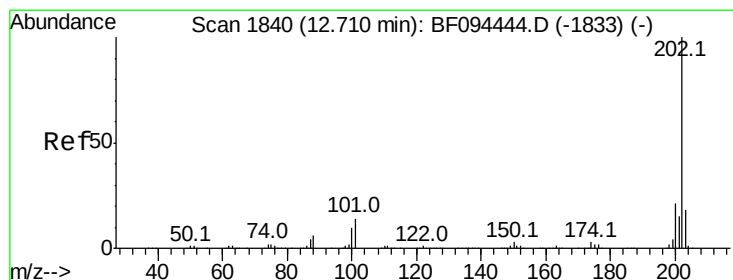
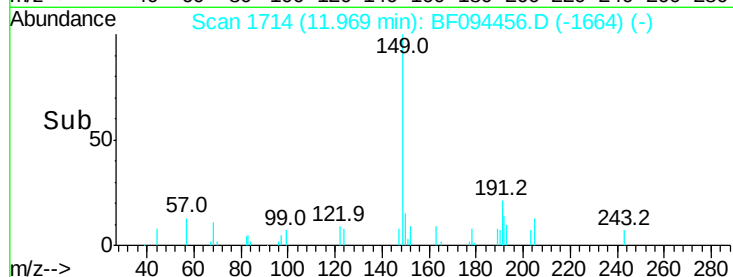
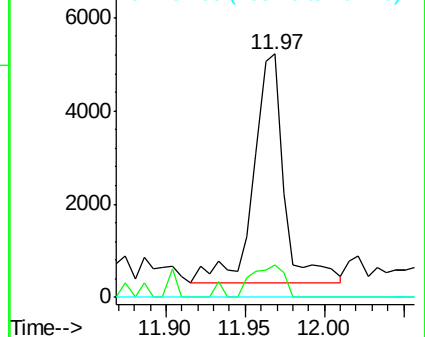
104 0.0 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.03 ng

RT: 12.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

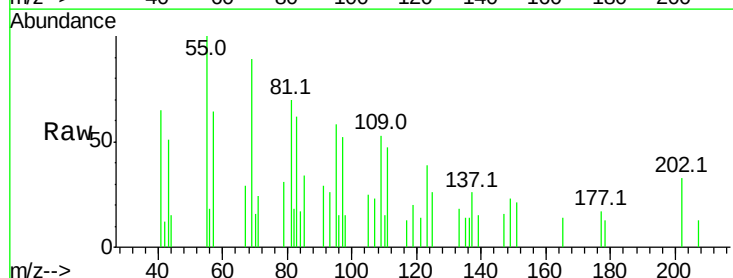
Tgt Ion:202 Resp: 934

Ion Ratio Lower Upper

202 100

101 0.0 0.0 33.2

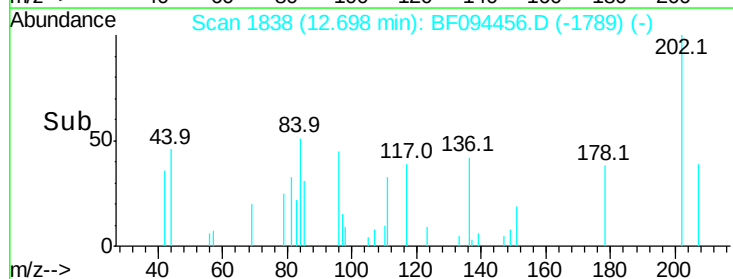
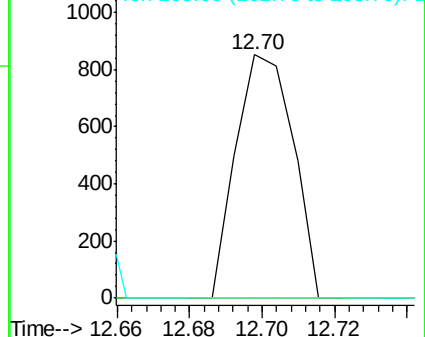
203 0.0 0.0 38.1

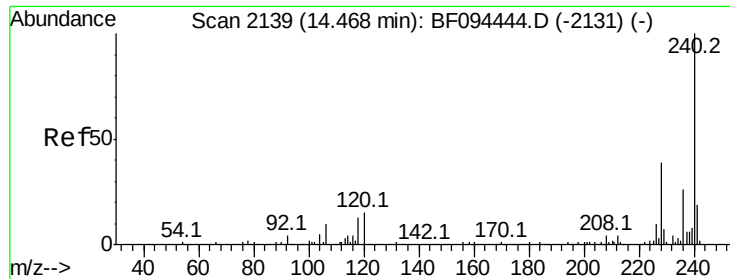


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2137

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampled :

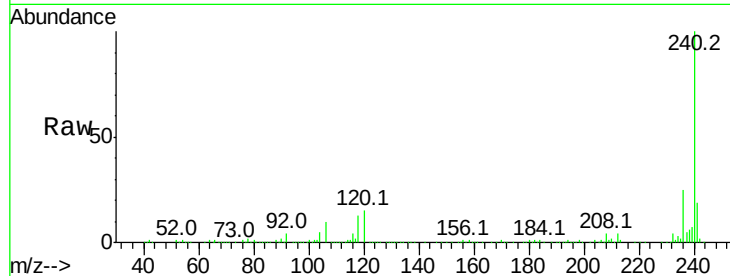
Tot Ion:240 Resp: 439708

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

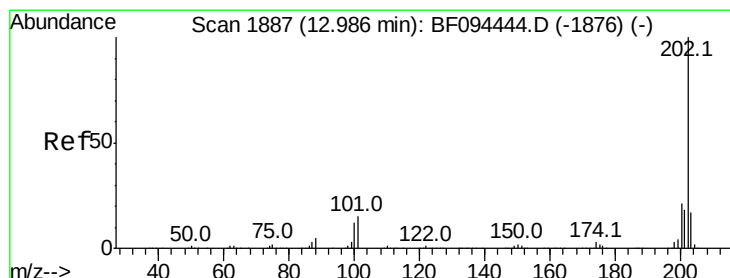
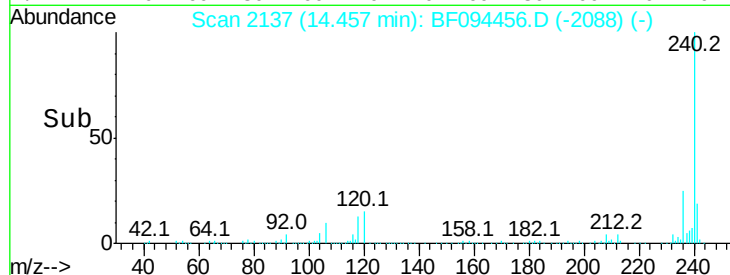
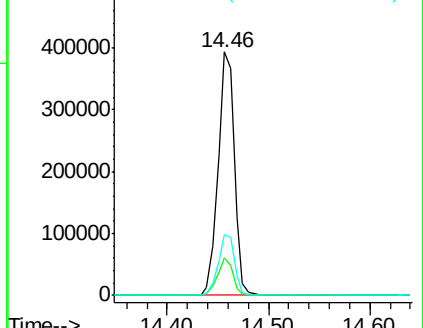
236 24.9 20.5 30.7



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: 0.02 ng

RT: 12.97 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

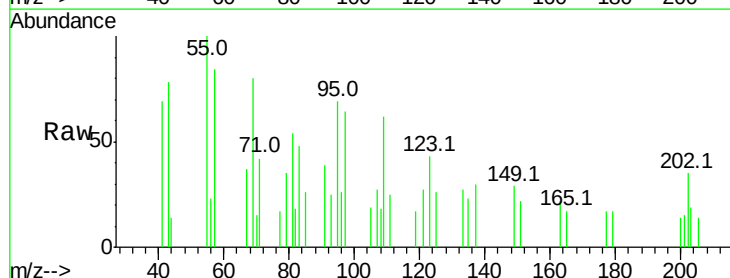
Tgt Ion:202 Resp: 765

Ion Ratio Lower Upper

202 100

200 40.1 17.6 26.4#

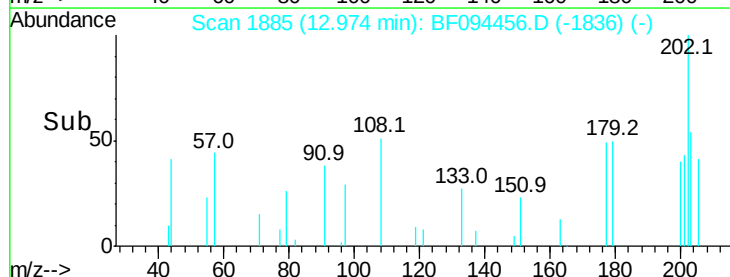
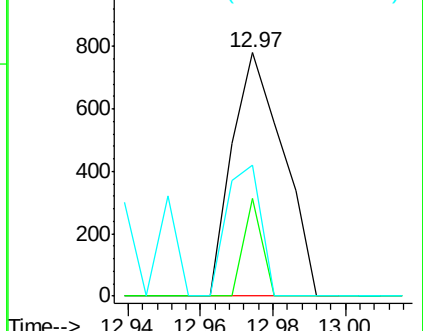
203 53.6 14.4 21.6#

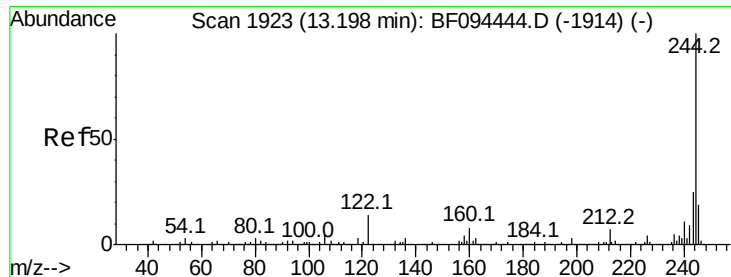


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.86 ng

RT: 13.19 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampled :

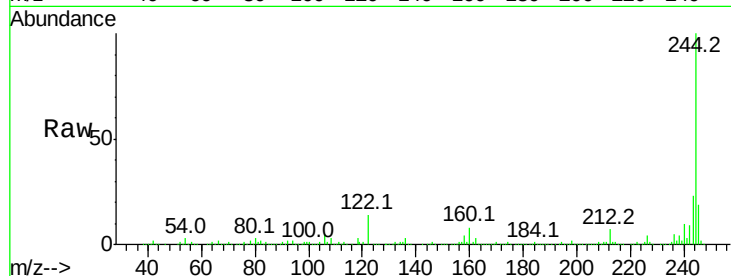
Tot Ion:244 Resp: 853114

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

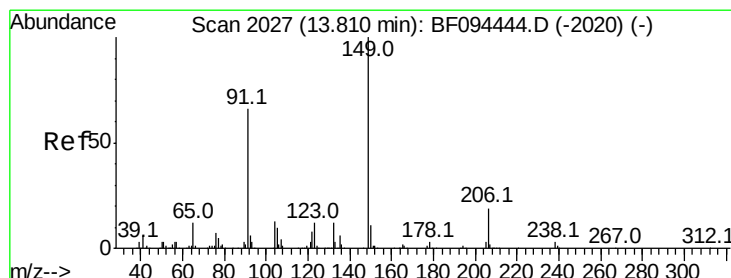
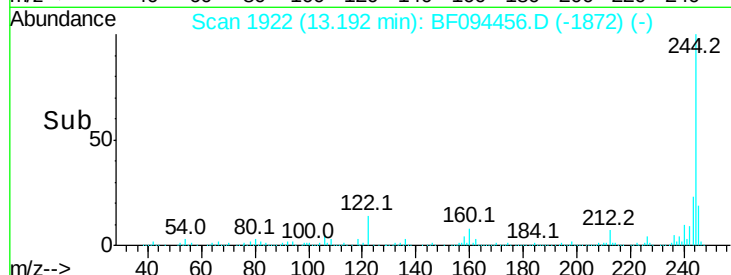
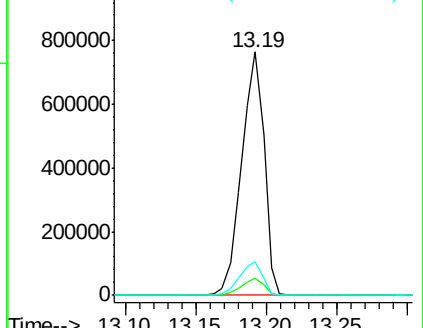
122 13.7 10.3 15.5



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: 0.10 ng

RT: 13.81 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

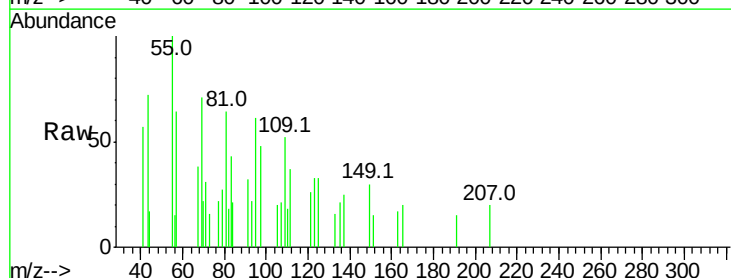
Tgt Ion:149 Resp: 1328

Ion Ratio Lower Upper

149 100

91 104.1 45.0 67.4#

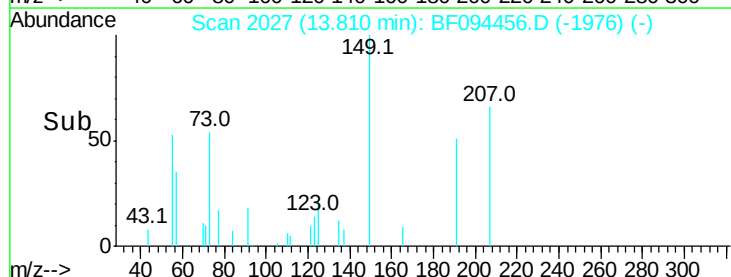
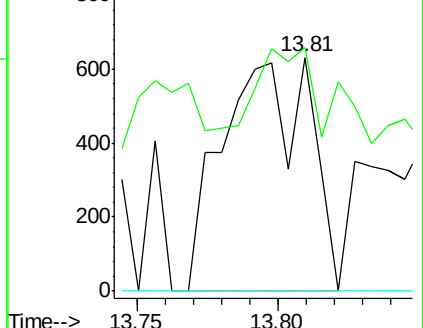
206 0.0 17.0 25.6#

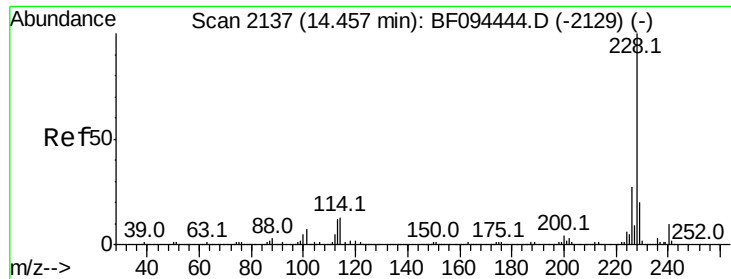


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.06 ng

RT: 14.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

Instrument :

BNA_F

ClientSampleId :

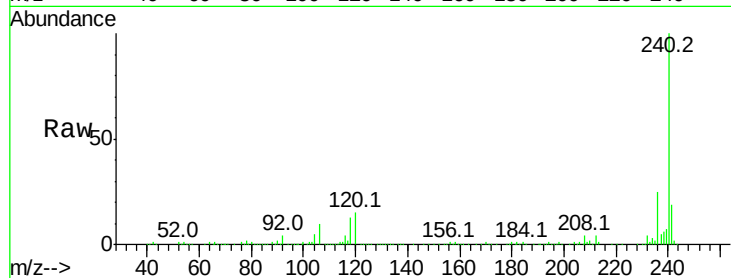
Tot Ion:228 Resp: 1605

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

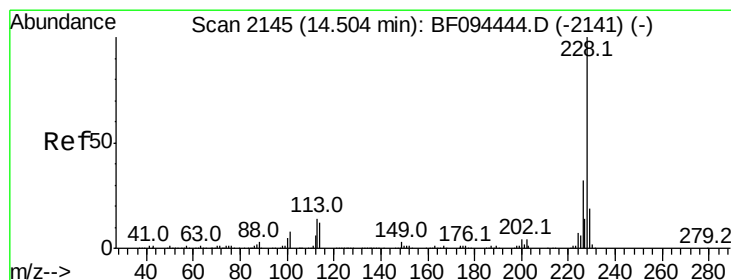
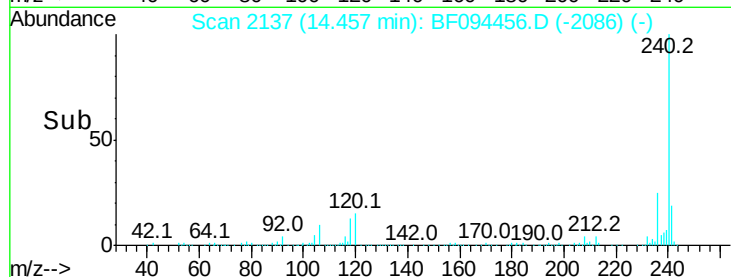
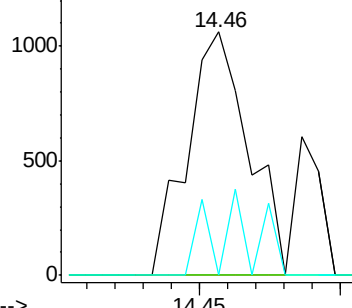
229 0.0 16.3 24.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 0.02 ng

RT: 14.49 min Scan# 2142

Delta R.T. -0.02 min

Lab File: BF094456.D

Acq: 17 Apr 2017 18:23

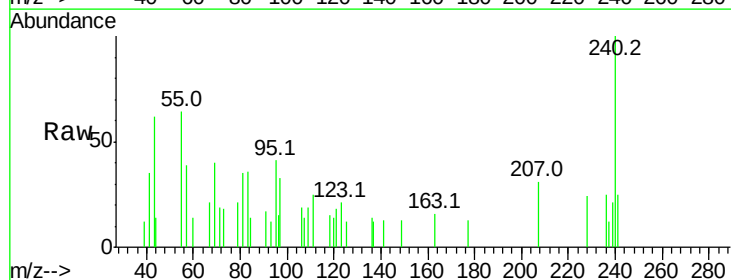
Tgt Ion:228 Resp: 375

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

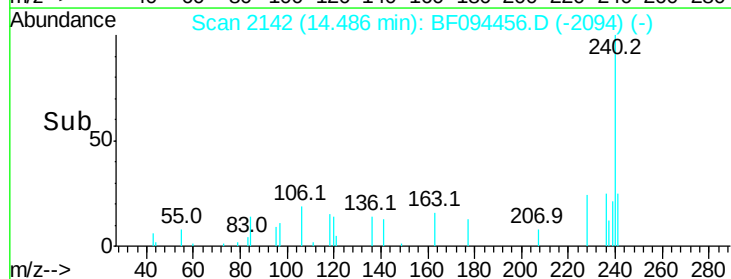
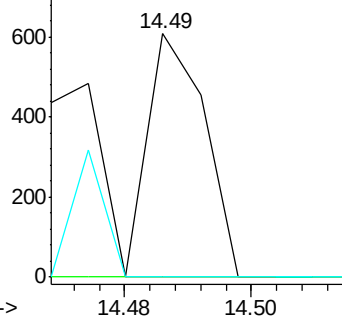
229 0.0 15.8 23.6#

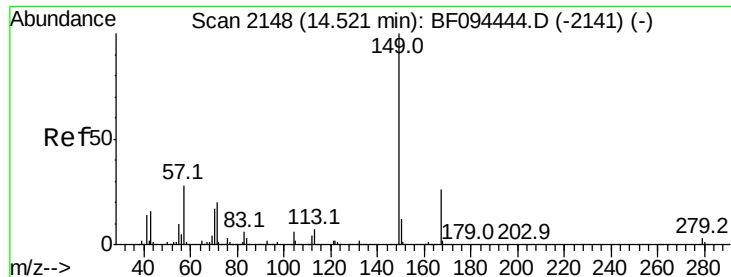


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

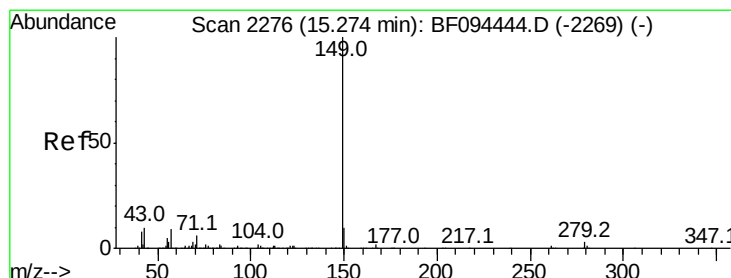
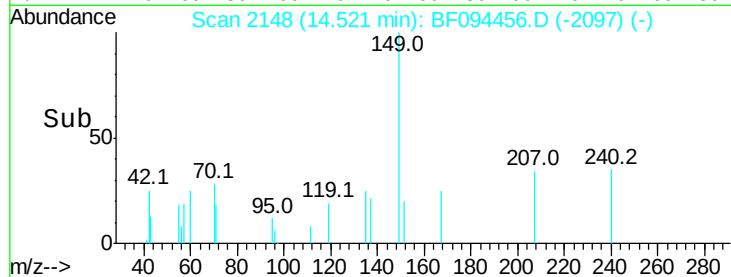
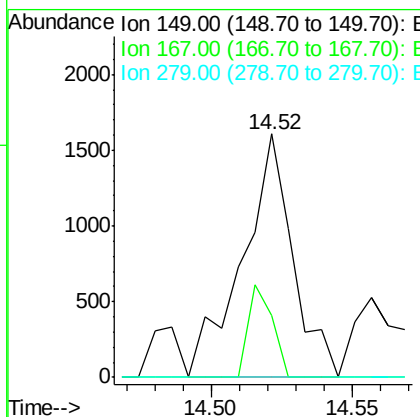
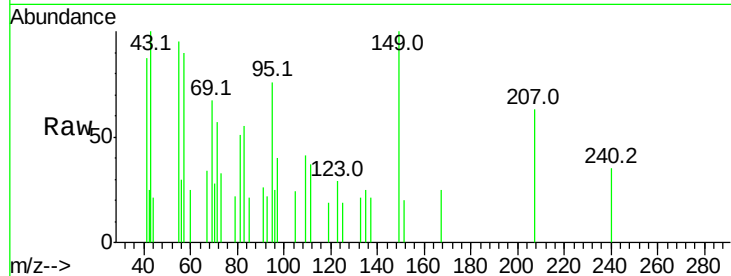




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.11 ng
 RT: 14.52 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: BF094456.D
 Acq: 17 Apr 2017 18:23

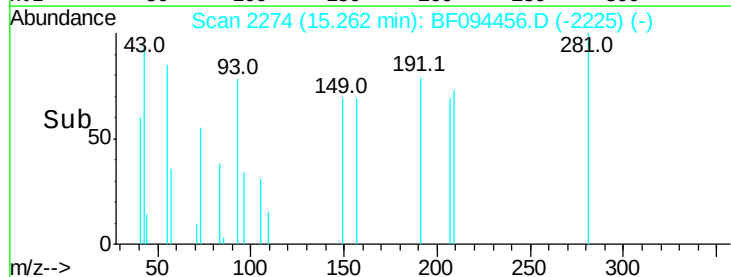
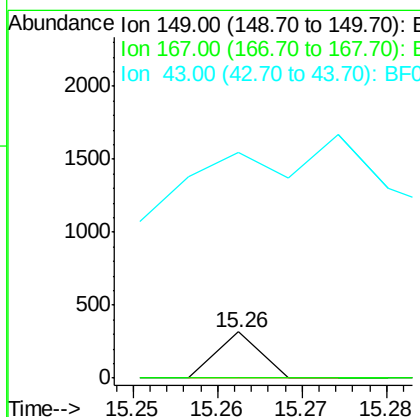
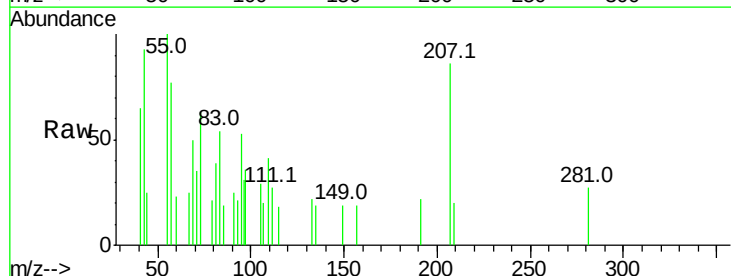
Instrument :
 BNA_F
 ClientSampleId :

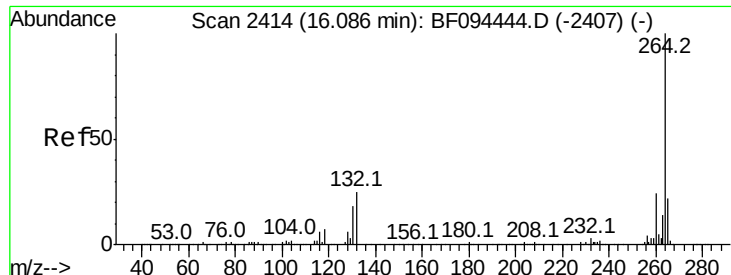
Tot Ion:149 Resp: 1980
 Ion Ratio Lower Upper
 149 100
 167 25.4 21.0 31.4
 279 0.0 1.9 2.9#



#84
 Di-n-octyl phthalate
 Concen: 0.00 ng
 RT: 15.26 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF094456.D
 Acq: 17 Apr 2017 18:23

Tgt Ion:149 Resp: 112
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 631.3 8.5 12.7#

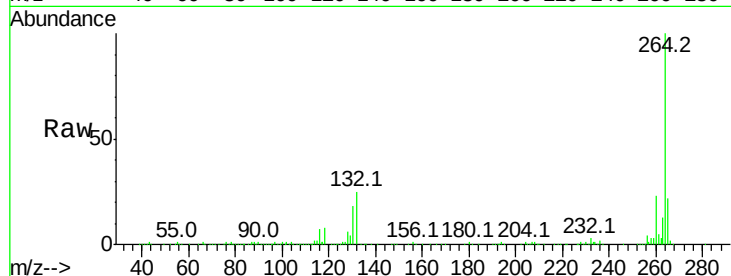




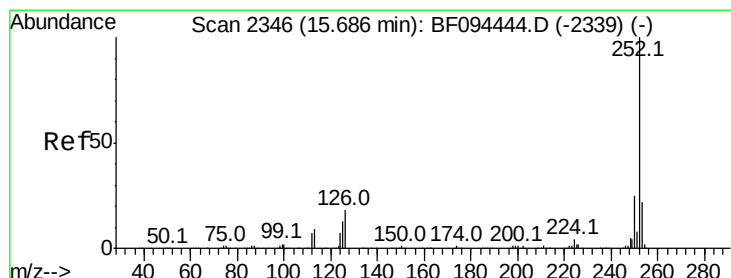
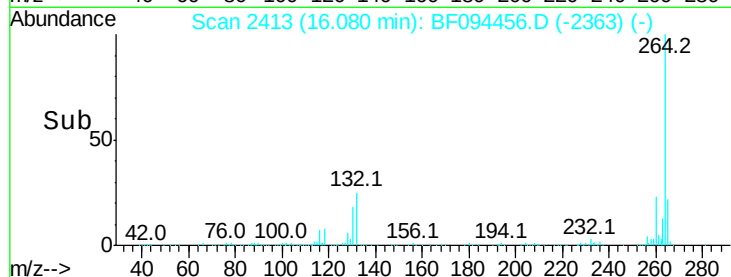
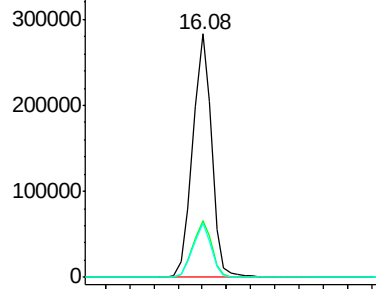
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 307115
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 22.1 17.2 25.8

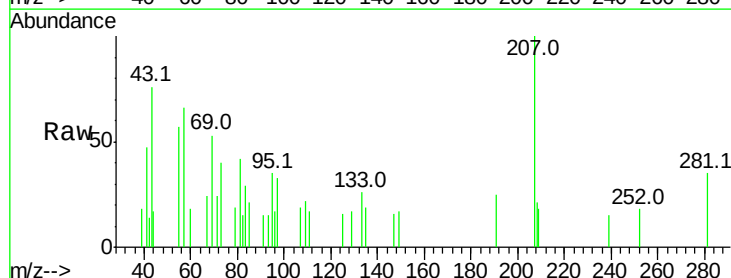


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

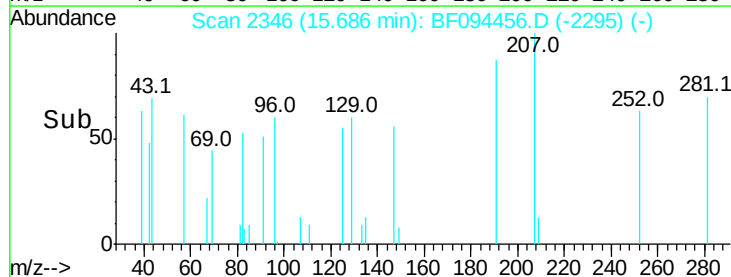
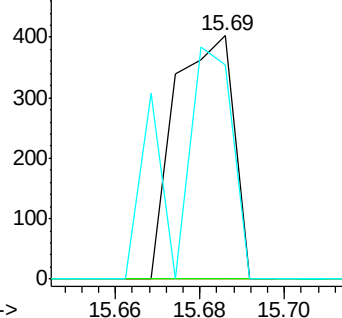


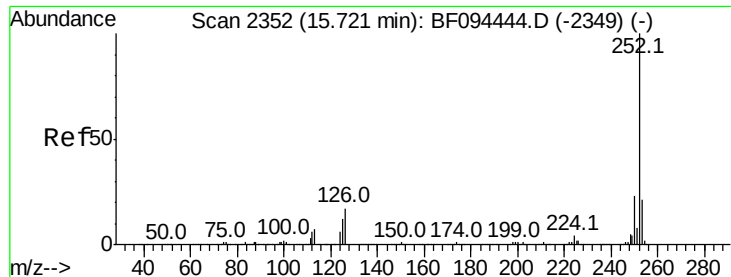
#87
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 15.69 min Scan# 2346
Delta R.T. 0.00 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

Tgt Ion:252 Resp: 390
Ion Ratio Lower Upper
252 100
253 0.0 18.1 27.1#
125 88.1 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

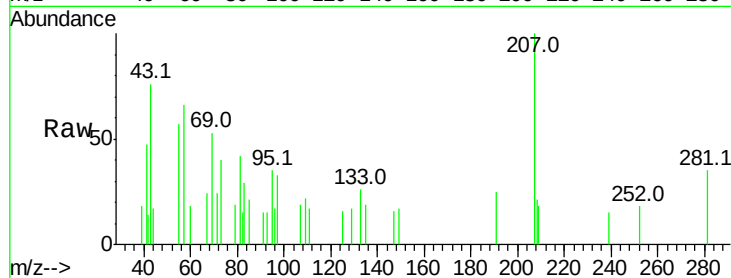




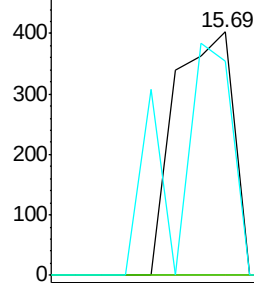
#88
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 15.69 min Scan# 2346
Delta R.T. -0.04 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

Instrument :
BNA_F
ClientSampled :

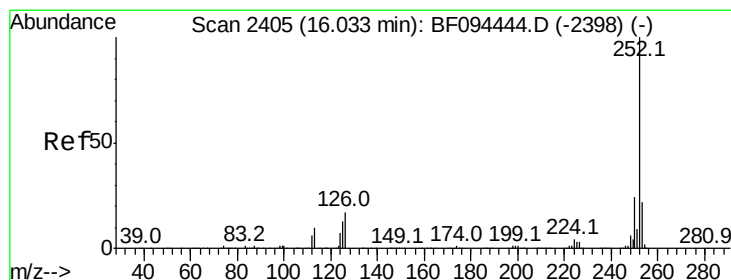
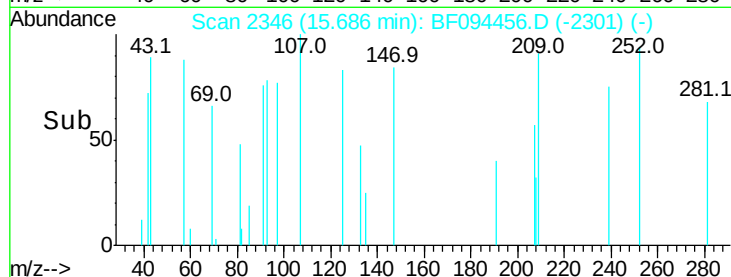
Tot Ion:252 Resp: 390
Ion Ratio Lower Upper
252 100
253 0.0 18.4 27.6#
125 88.1 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

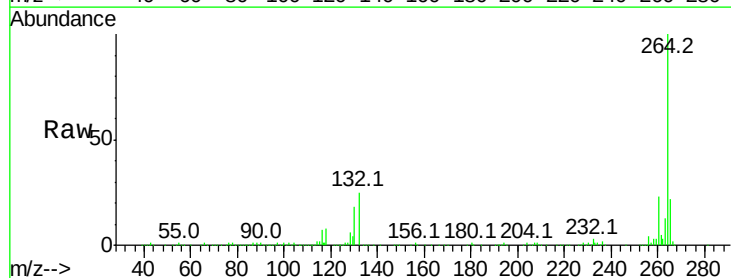


Time-->

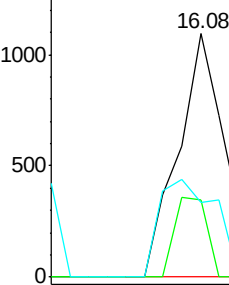


#89
Benzo(a)pyrene
Concen: 0.06 ng
RT: 16.08 min Scan# 2413
Delta R.T. 0.05 min
Lab File: BF094456.D
Acq: 17 Apr 2017 18:23

Tgt Ion:252 Resp: 1094
Ion Ratio Lower Upper
252 100
253 31.7 17.5 26.3#
125 30.4 11.0 16.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->

