

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060117\
 Data File : BF095602.D
 Acq On : 1 Jun 2017 19:09
 Operator : SJ/MA
 Sample : I3361-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S22-0021

Quant Time: Jun 17 00:47:30 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 17 00:02:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	73105	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	303935	20.00	ng	0.00
38) Acenaphthene-d10	12.39	164	145318	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	280539	20.00	ng	0.00
75) Chrysene-d12	18.49	240	245213	20.00	ng	0.00
86) Perylene-d12	20.17	264	168149	20.00	ng	0.00

System Monitoring Compounds

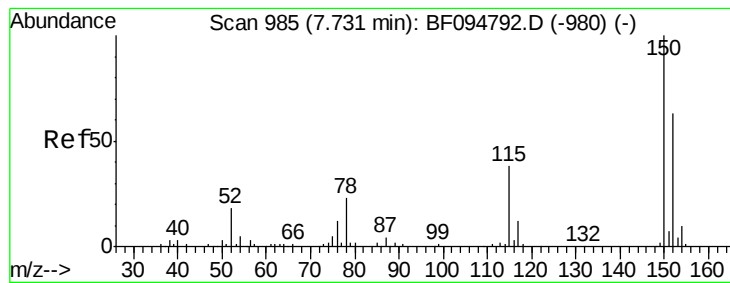
5) 2-Fluorophenol	5.46	112	270721	61.74	ng	0.01
7) Phenol-d6	7.10	99	194514	36.97	ng	0.00
23) Nitrobenzene-d5	8.45	82	479688	99.52	ng	-0.01
41) 2,4,6-Tribromophenol	13.69	330	186450	156.67	ng	0.00
44) 2-Fluorobiphenyl	11.35	172	964163	95.50	ng	0.00
78) Terphenyl-d14	17.15	244	819529	73.61	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.83	88	395	0.184	ng	# 21
4) n-Nitrosodimethylamine	2.13	42	160	0.077	ng	# 1
6) Aniline	7.19	93	335	0.050	ng	# 1
9) Benzaldehyde	6.85	77	2398	0.746	ng	# 1
10) Phenol	7.14	94	1434	0.259	ng	# 1
11) bis(2-Chloroethyl)ether	7.19	93	335	0.073	ng	# 1
15) Benzyl Alcohol	7.77	79	7435	2.197	ng	# 44
18) Hexachloroethane	8.35	117	106	0.055	ng	# 1
19) n-Nitroso-di-n-propylamine	8.45	70	59175	16.630	ng	# 72
22) Acetophenone	8.20	105	2443	0.335	ng	# 46
24) Nitrobenzene	8.47	77	112	0.022	ng	# 39
25) Isophorone	8.80	82	255	0.030	ng	# 67
31) Naphthalene	9.61	128	6246	0.409	ng	# 80
33) 4-Chloroaniline	9.60	127	517	0.091	ng	# 51
37) 2-Methylnaphthalene	10.77	142	3415	0.341	ng	# 96
45) 1,1'-Biphenyl	11.53	154	1417	0.116	ng	# 60
49) Dimethylphthalate	12.05	163	26184	2.195	ng	# 98
50) 2,6-Dinitrotoluene	12.39	165	18030	7.408	ng	# 31
51) Acenaphthene	12.40	154	148	0.016	ng	# 4
59) Diethylphthalate	13.19	149	233	0.020	ng	# 60
62) Azobenzene	13.69	77	797	0.087	ng	# 25
65) n-Nitrosodiphenylamine	13.69	169	6502	0.639	ng	# 35
73) Di-n-butylphthalate	15.79	149	1179	0.063	ng	# 78
77) Pyrene	17.14	202	2646	0.144	ng	# 70
80) Benzo(a)anthracene	18.49	228	880	0.062	ng	# 50
82) Chrysene	18.54	228	1166	0.084	ng	# 49
83) Bis(2-ethylhexyl)phthalate	18.56	149	2679	0.220	ng	# 99
84) Di-n-octyl phthalate	19.33	149	333	0.017	ng	# 1
89) Benzo(a)pyrene	20.17	252	457	0.048	ng	# 59

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

```
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Data File : BF095602.D  
Acq On    : 1 Jun 2017 19:09  
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Sample    : I3361-01  
Misc      :  
ALS Vial  : 11 Sample Multiplier: 1
```

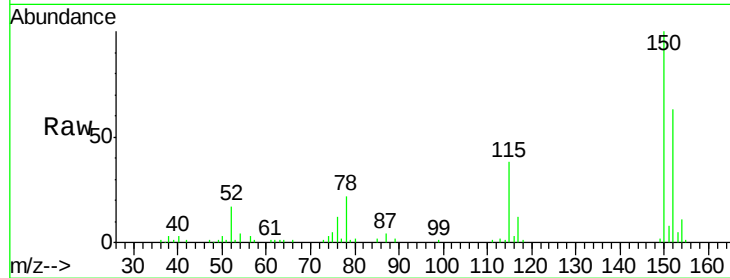


#1

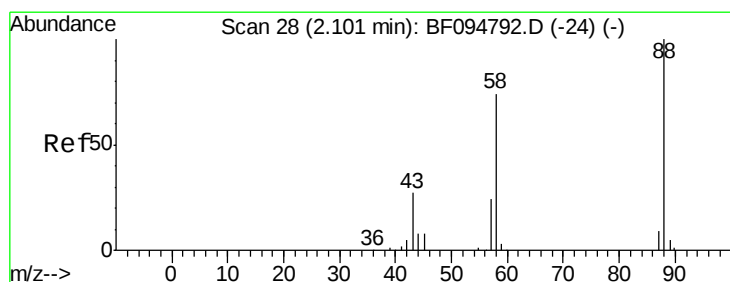
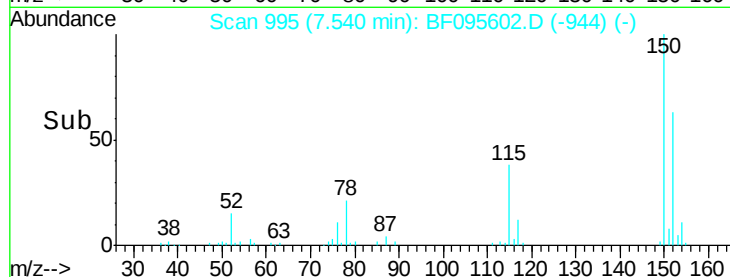
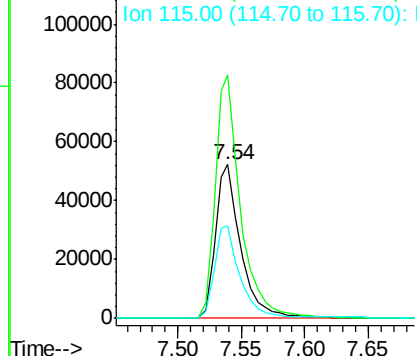
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.54 min Scan# 995
Delta R.T. 0.00 min
Lab File: BF095602.D
Acq: 1 Jun 2017 19:09

Instrument :
BNA_F
ClientSampleId :
S22-0021

Tgt Ion:152 Resp: 73105
Ion Ratio Lower Upper
152 100
150 158.5 126.2 189.2
115 60.1 52.2 78.2



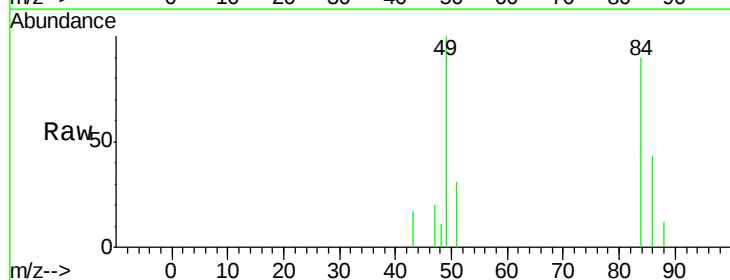
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



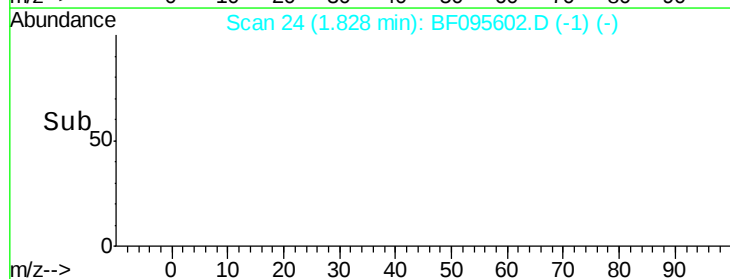
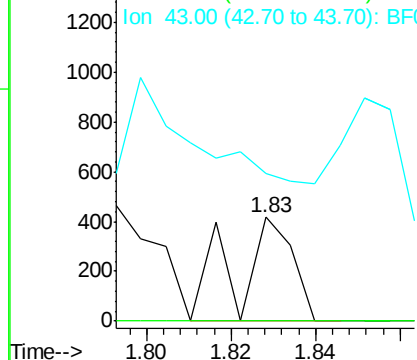
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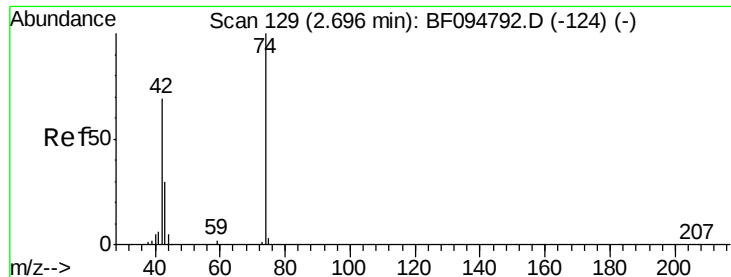
1,4-Dioxane
Concen: 0.184 ng
RT: 1.83 min Scan# 24
Delta R.T. -0.02 min
Lab File: BF095602.D
Acq: 1 Jun 2017 19:09

Tgt Ion: 88 Resp: 395
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 0.0 23.4 35.0#



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





#4

n-Nitrosodimethylamine

Concen: 0.077 ng

RT: 2.13 min Scan# 76

Delta R.T. -0.28 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Instrument :

BNA_F

ClientSampleId :

S22-0021

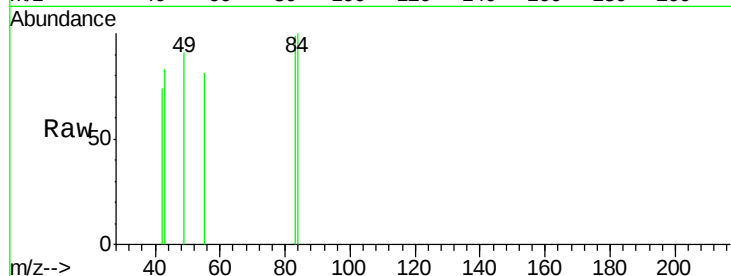
Tgt Ion: 42 Resp: 160

Ion Ratio Lower Upper

42 100

74 0.0 103.9 155.9#

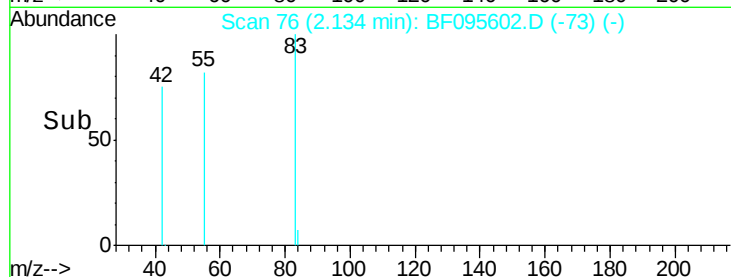
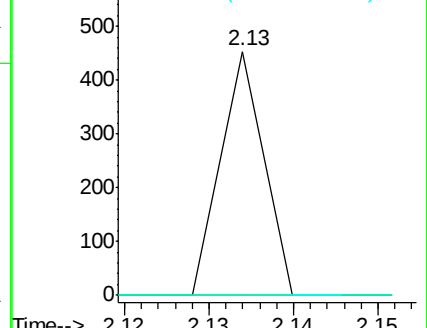
44 0.0 5.7 8.5#



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: 61.740 ng

RT: 5.46 min Scan# 641

Delta R.T. 0.01 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

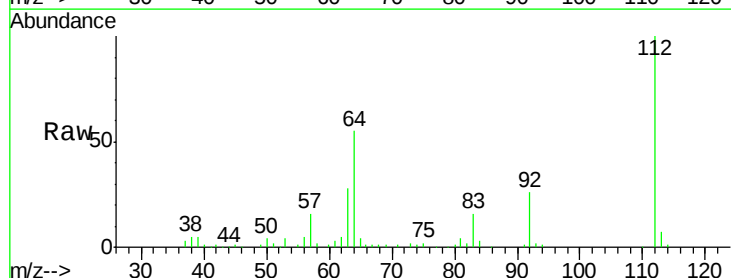
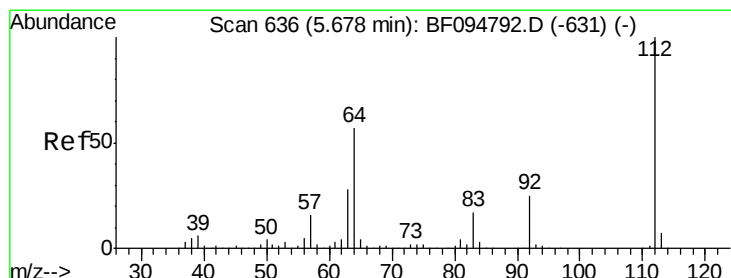
Tgt Ion: 112 Resp: 270721

Ion Ratio Lower Upper

112 100

64 54.6 46.0 69.0

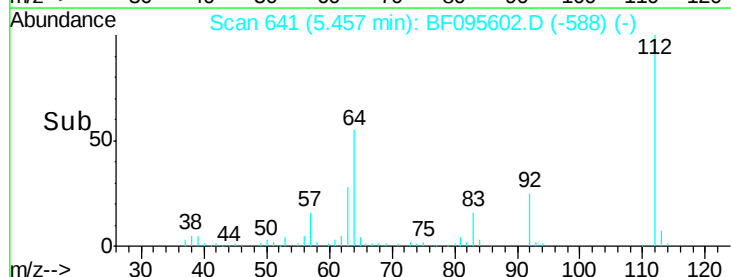
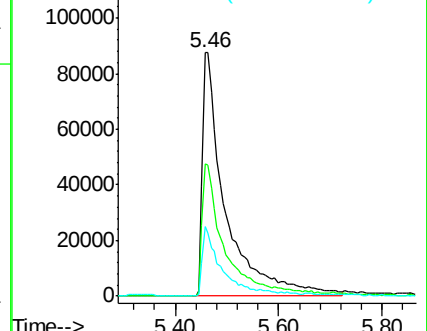
63 28.3 23.4 35.0

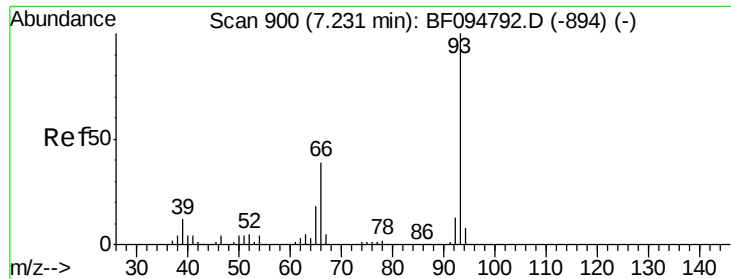


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.050 ng

RT: 7.19 min Scan# 936

Delta R.T. 0.15 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Instrument :

BNA_F

ClientSampleId :

S22-0021

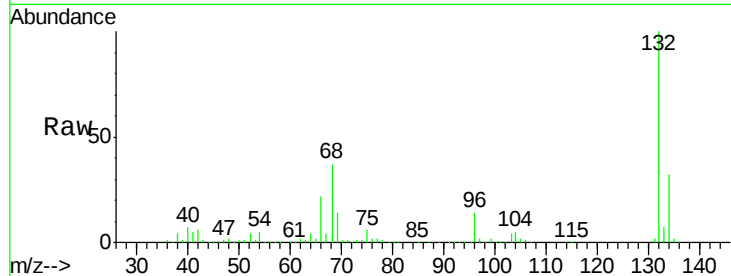
Tgt Ion: 93 Resp: 335

Ion Ratio Lower Upper

93 100

66 13718.1 32.9 49.3#

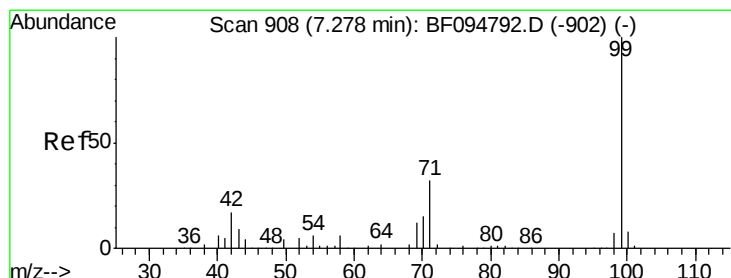
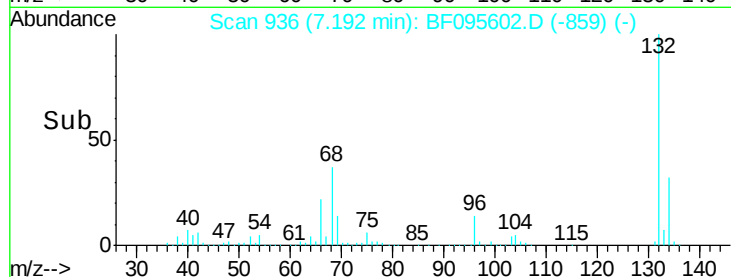
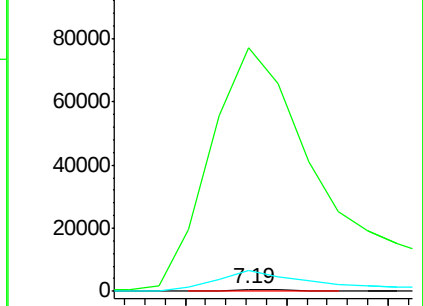
65 1160.5 16.0 24.0#



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: 36.972 ng

RT: 7.10 min Scan# 921

Delta R.T. 0.01 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

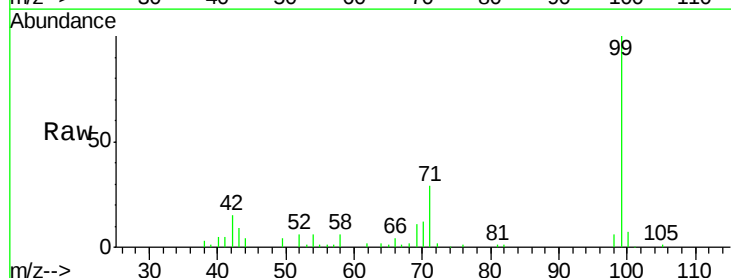
Tgt Ion: 99 Resp: 194514

Ion Ratio Lower Upper

99 100

42 15.1 13.5 20.3

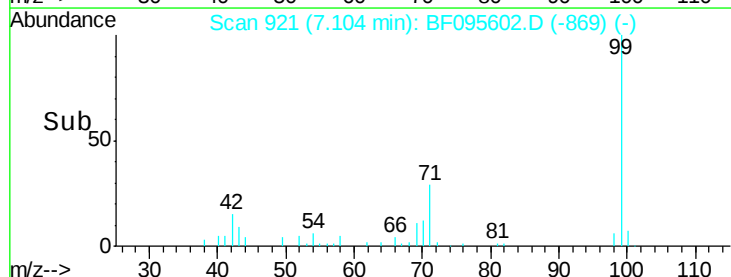
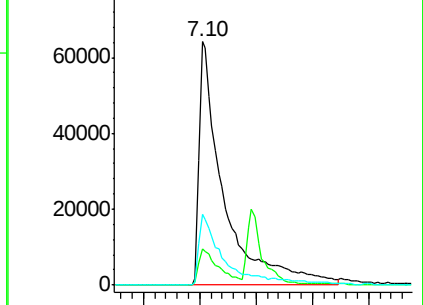
71 29.1 24.5 36.7

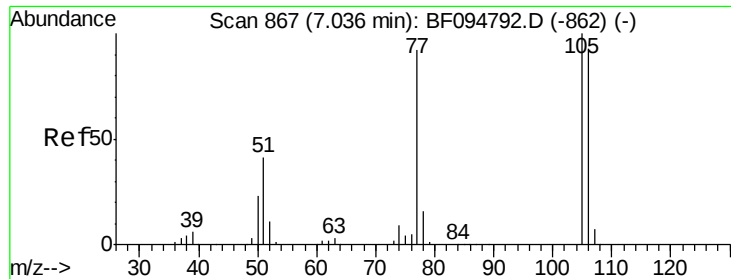


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.746 ng

RT: 6.85 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

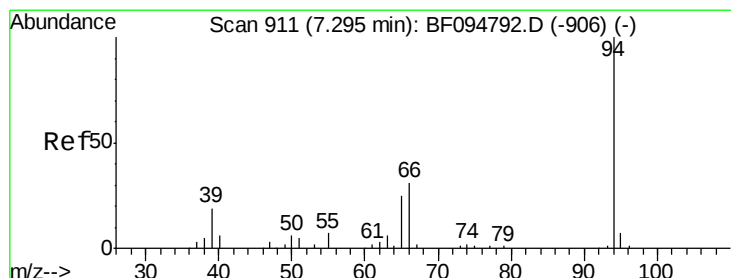
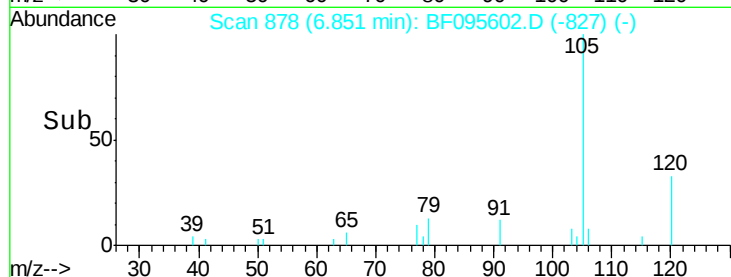
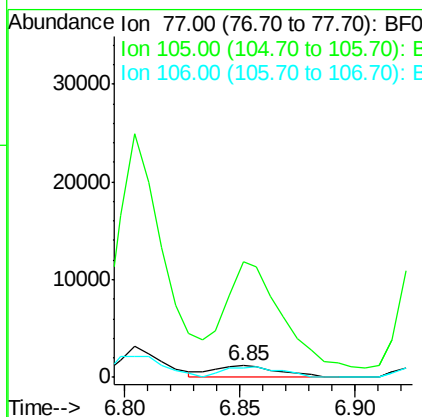
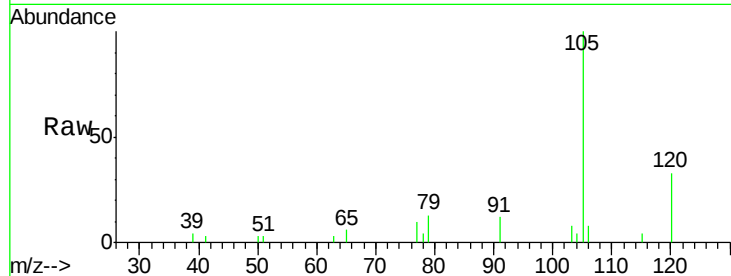
Instrument :

BNA_F

ClientSampleId :

S22-0021

Tgt Ion:	77	Resp:	2398
Ion	Ratio	Lower	Upper
77	100		
105	984.4	83.8	123.8#
106	80.2	79.1	119.1



#10

Phenol

Concen: 0.259 ng

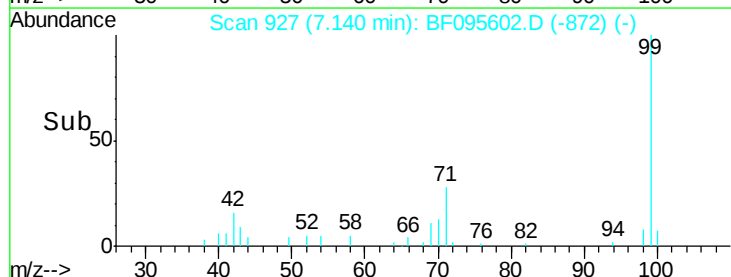
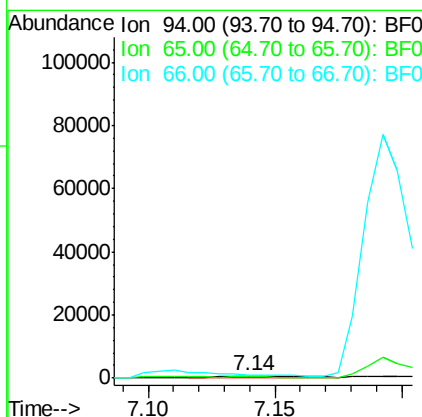
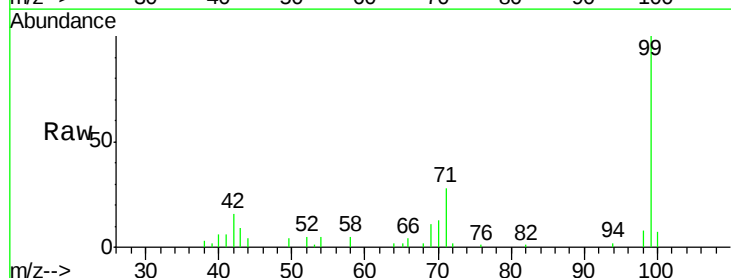
RT: 7.14 min Scan# 927

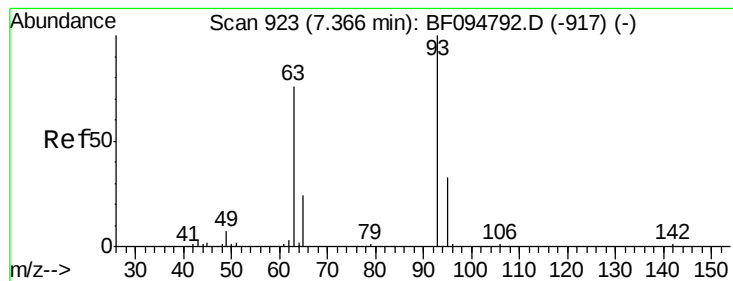
Delta R.T. 0.02 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Tgt Ion:	94	Resp:	1434
Ion	Ratio	Lower	Upper
94	100		
65	74.0	9.9	49.9#
66	167.2	23.1	63.1#





#11

bis(2-Chloroethyl)ether

Concen: 0.073 ng

RT: 7.19 min Scan# 936

Delta R.T. 0.01 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Instrument :

BNA_F

ClientSampleId :

S22-0021

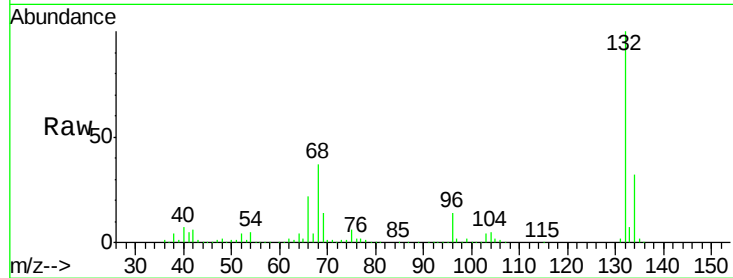
Tgt Ion: 93 Resp: 335

Ion Ratio Lower Upper

93 100

63 492.3 59.2 99.2#

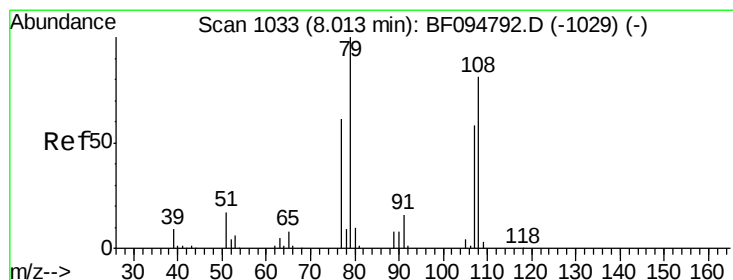
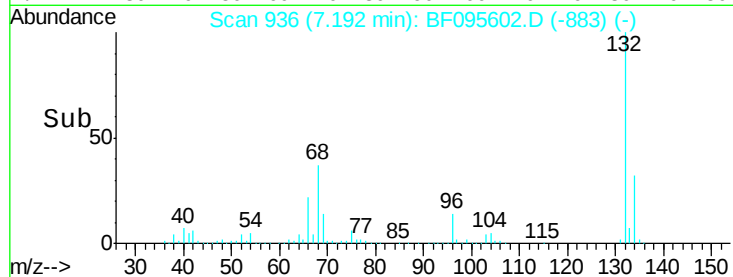
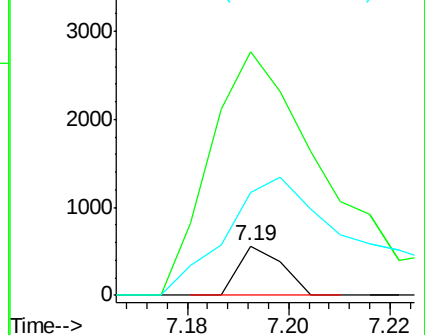
95 207.7 12.8 52.8#



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



#15

Benzyl Alcohol

Concen: 2.197 ng

RT: 7.77 min Scan# 1034

Delta R.T. -0.07 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

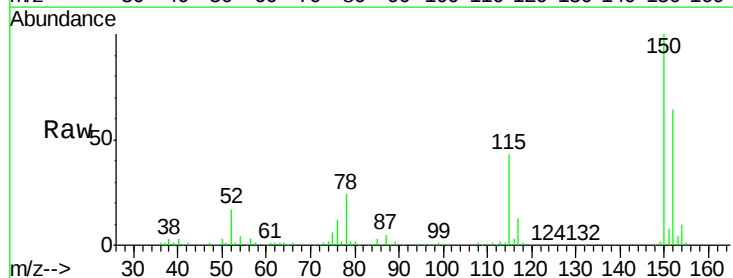
Tgt Ion: 79 Resp: 7435

Ion Ratio Lower Upper

79 100

108 30.7 63.4 95.0#

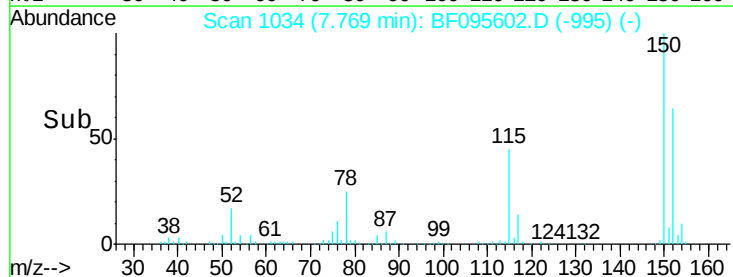
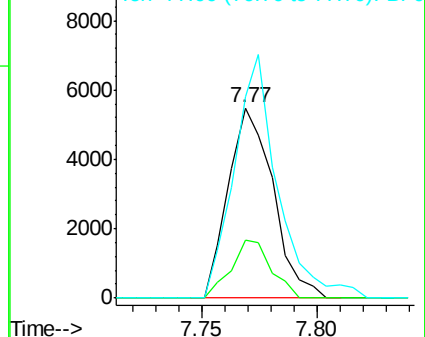
77 105.4 49.2 73.8#

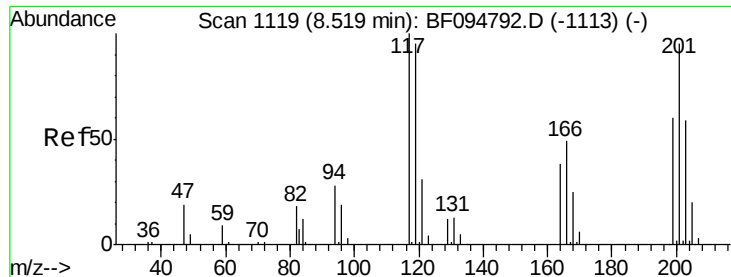


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

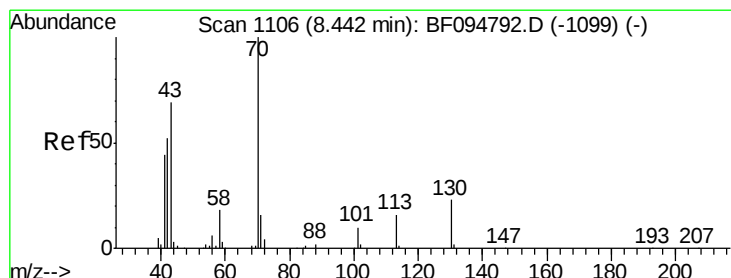
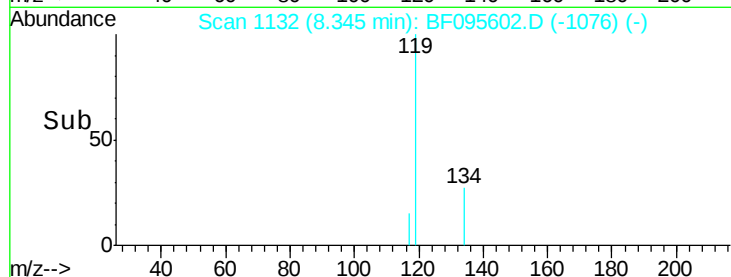
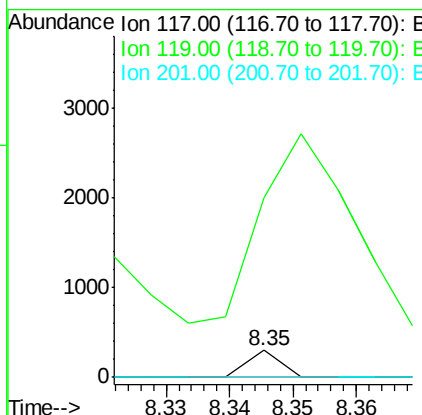
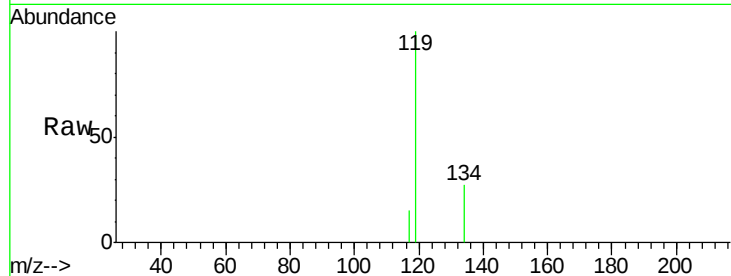




#18
Hexachloroethane
Concen: 0.055 ng
RT: 8.35 min Scan# 1132
Delta R.T. 0.03 min
Lab File: BF095602.D
Acq: 1 Jun 2017 19:09

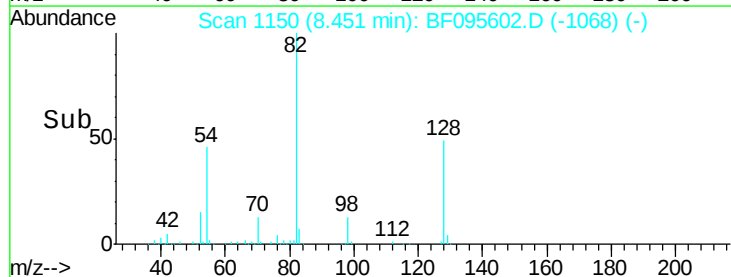
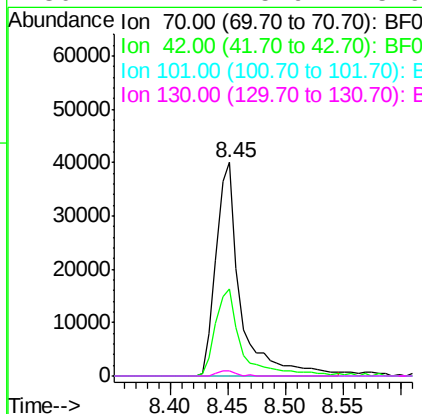
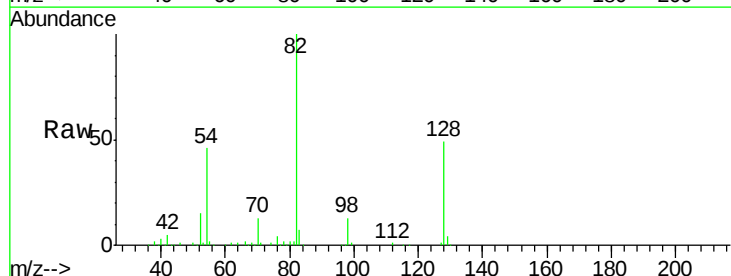
Instrument :
BNA_F
ClientSampleId :
S22-0021

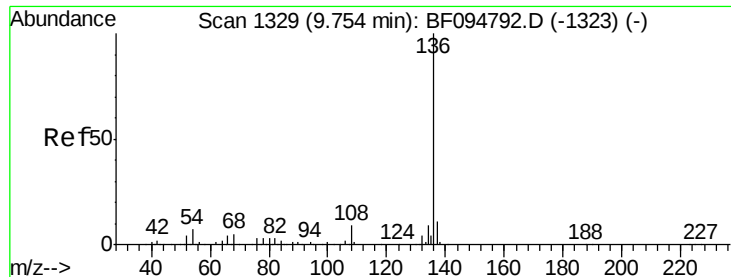
Tgt Ion: 117 Resp: 106
Ion Ratio Lower Upper
117 100
119 666.1 77.4 116.0#
201 0.0 94.6 141.8#



#19
n-Nitroso-di-n-propylamine
Concen: 16.630 ng
RT: 8.45 min Scan# 1150
Delta R.T. 0.18 min
Lab File: BF095602.D
Acq: 1 Jun 2017 19:09

Tgt Ion: 70 Resp: 59175
Ion Ratio Lower Upper
70 100
42 40.9 47.2 70.8#
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 9.57 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Instrument :

BNA_F

ClientSampleId :

S22-0021

Tgt Ion:136 Resp: 303935

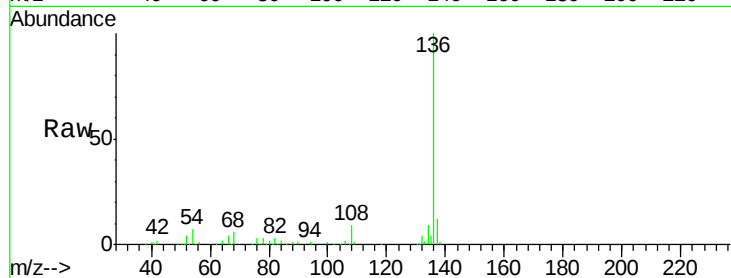
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 6.9 4.9 7.3

68 5.8 4.1 6.1

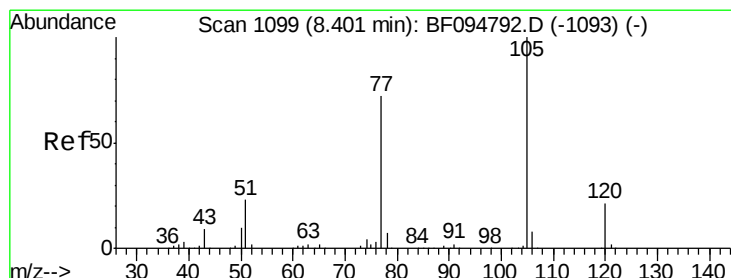
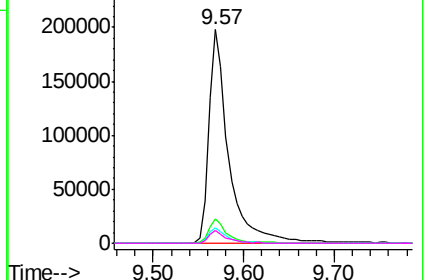
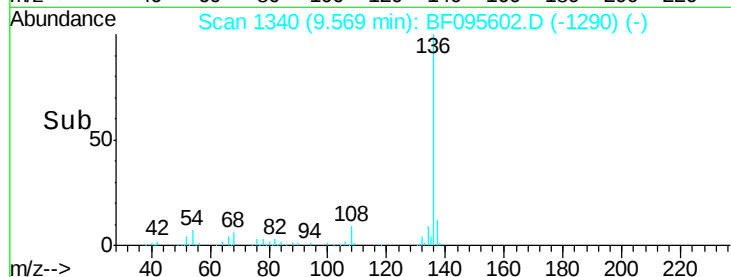


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 0.335 ng

RT: 8.20 min Scan# 1108

Delta R.T. -0.03 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Tgt Ion:105 Resp: 2443

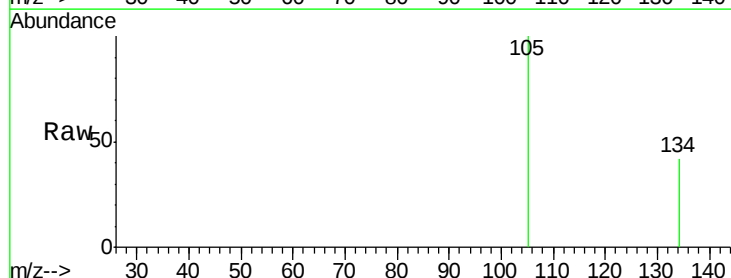
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 0.0 30.7 46.1#

120 0.0 17.4 26.0#

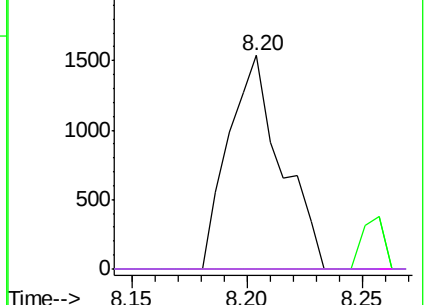
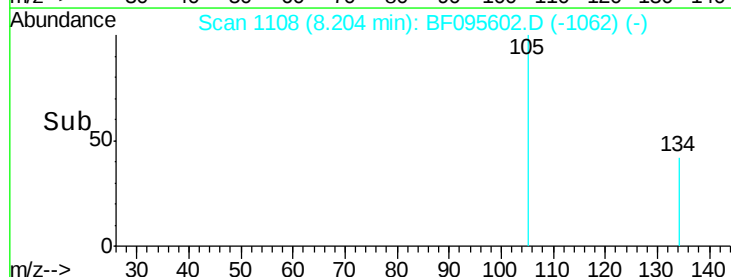


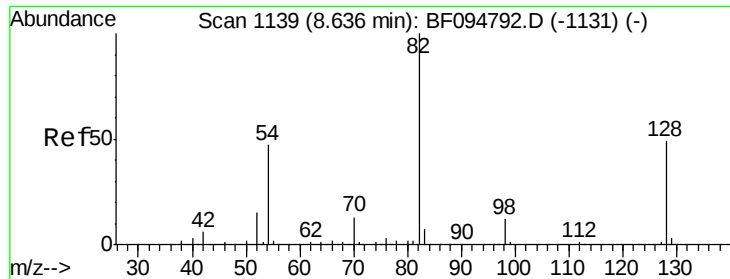
Abundance Ion 105.00 (104.70 to 105.70): E

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

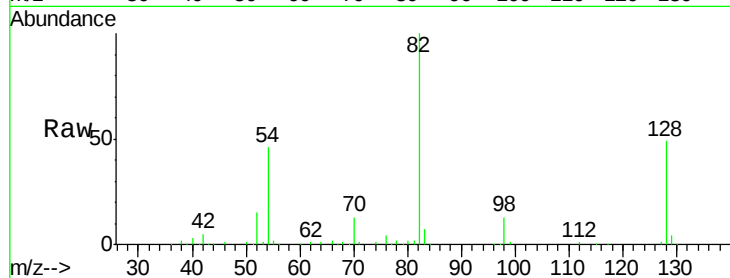




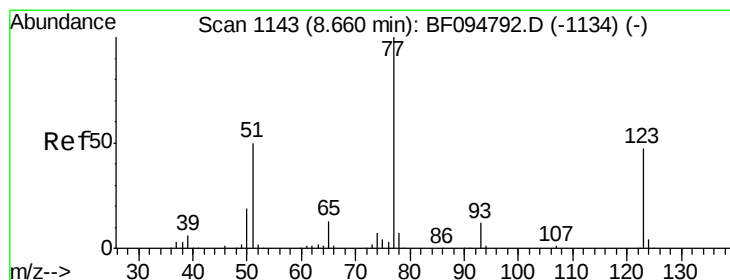
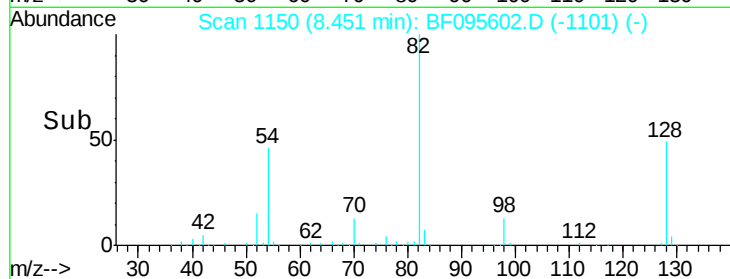
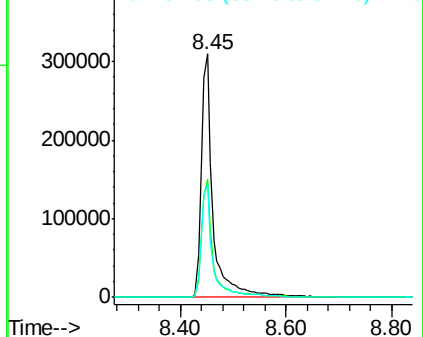
#23
Nitrobenzene-d5
Concen: 99.523 ng
RT: 8.45 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF095602.D
Acq: 1 Jun 2017 19:09

Instrument :
BNA_F
ClientSampleId :
S22-0021

Tgt Ion: 82 Resp: 479688
Ion Ratio Lower Upper
82 100
128 48.6 34.0 51.0
54 46.4 42.2 63.2

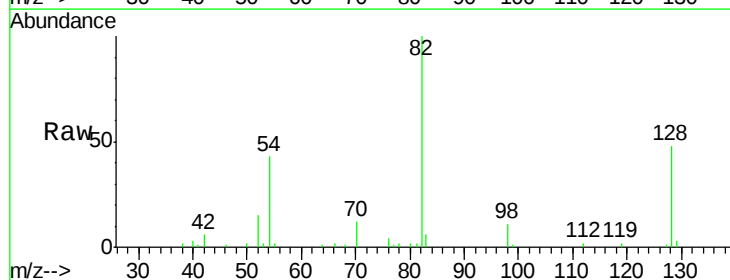


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

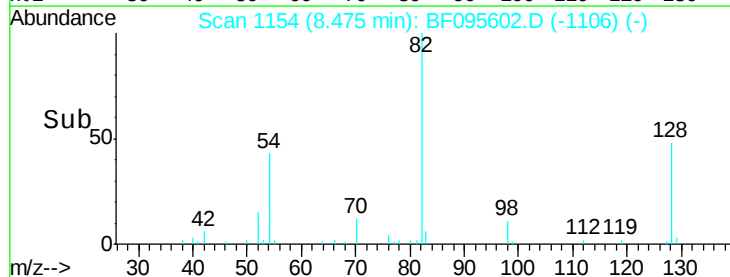
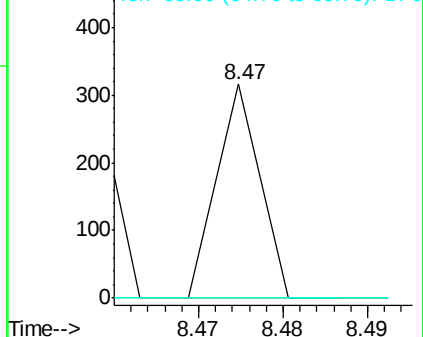


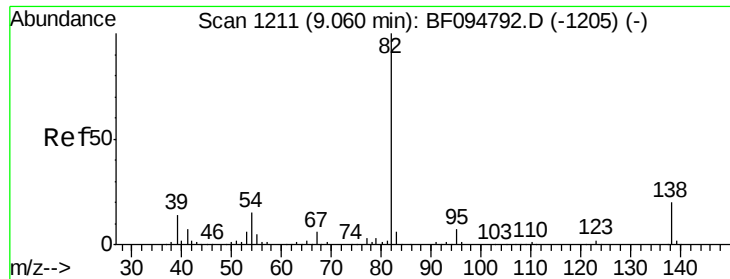
#24
Nitrobenzene
Concen: 0.022 ng
RT: 8.47 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF095602.D
Acq: 1 Jun 2017 19:09

Tgt Ion: 77 Resp: 112
Ion Ratio Lower Upper
77 100
123 0.0 35.8 53.8#
65 0.0 10.6 15.8#



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





#25

Isophorone

Concen: 0.030 ng

RT: 8.80 min Scan# 1210

Delta R.T. -0.09 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Instrument :

BNA_F

ClientSampleId :

S22-0021

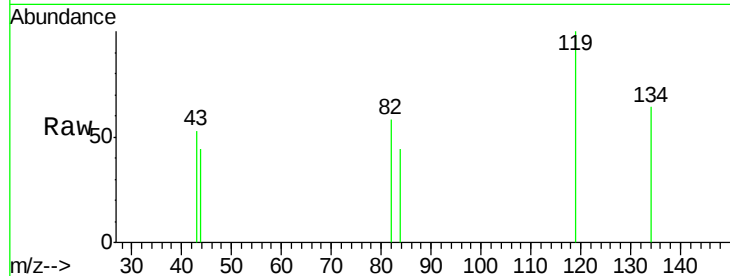
Tgt Ion: 82 Resp: 255

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#

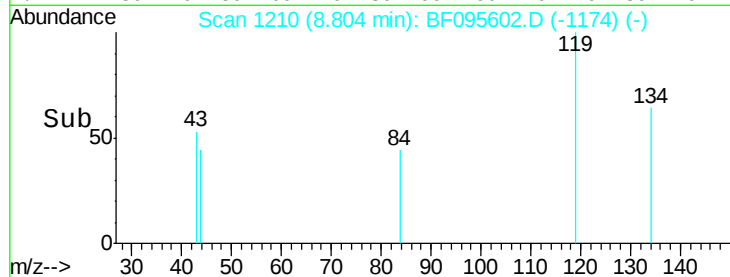


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

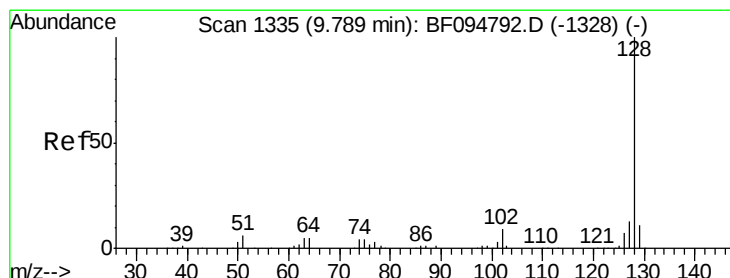
Ion 138.00 (137.70 to 138.70): BF0

Time-->



Abundance

Time-->



#31

Naphthalene

Concen: 0.409 ng

RT: 9.61 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

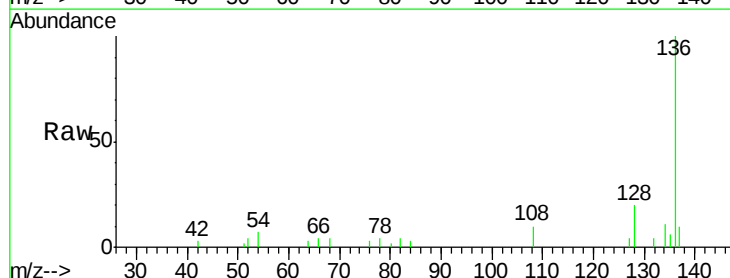
Tgt Ion: 128 Resp: 6246

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.6#

127 18.4 10.8 16.2#

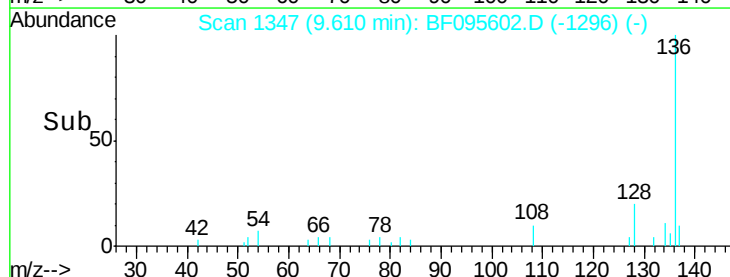


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

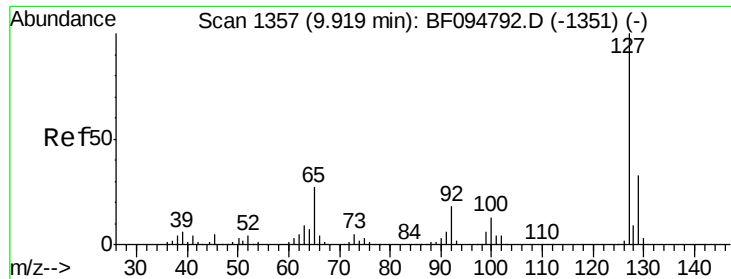
Ion 127.00 (126.70 to 127.70): E

Time-->



Abundance

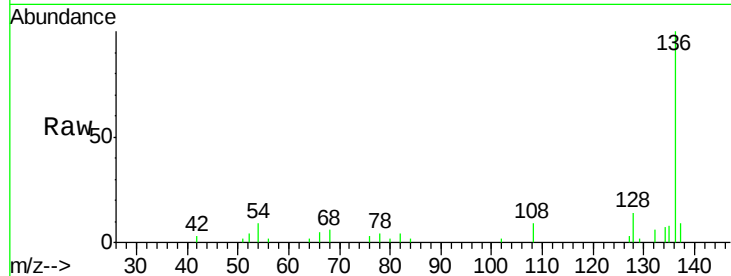
Time-->



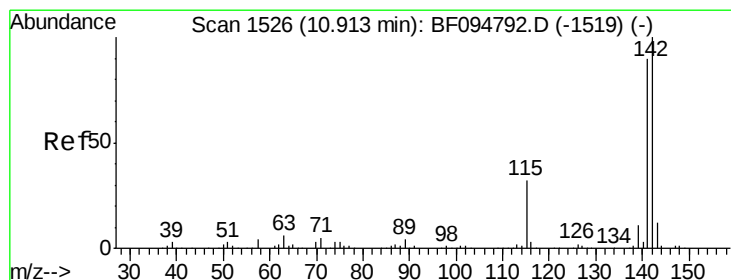
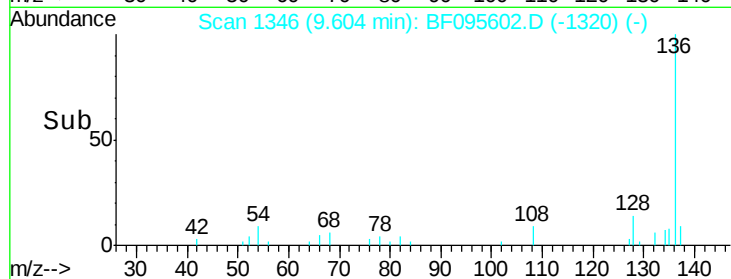
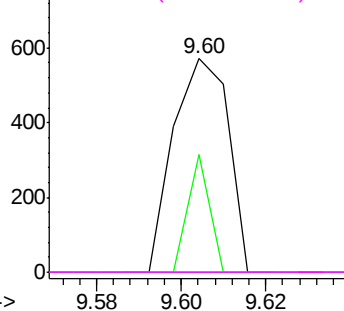
#33
4-Chloroaniline
Concen: 0.091 ng
RT: 9.60 min Scan# 1346
Delta R.T. -0.15 min
Lab File: BF095602.D
Acq: 1 Jun 2017 19:09

Instrument :
BNA_F
ClientSampleId :
S22-0021

Tgt Ion:127 Resp: 517
Ion Ratio Lower Upper
127 100
129 55.0 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#

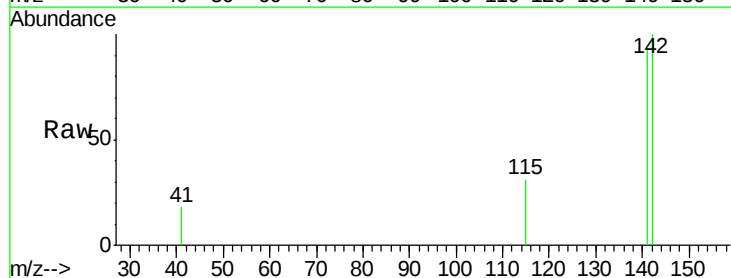


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

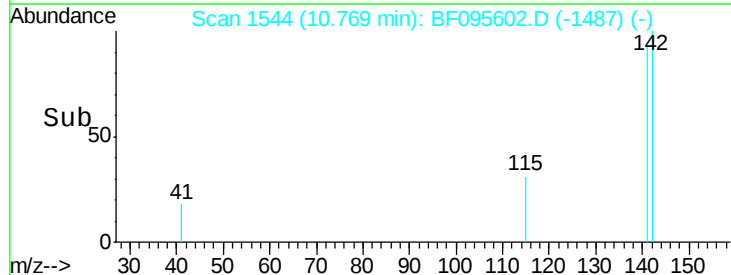
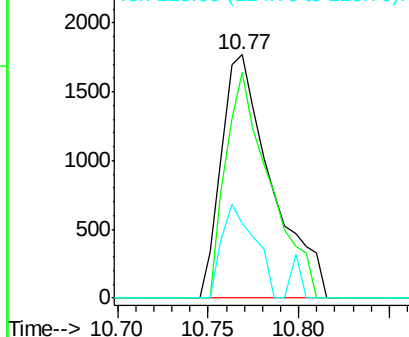


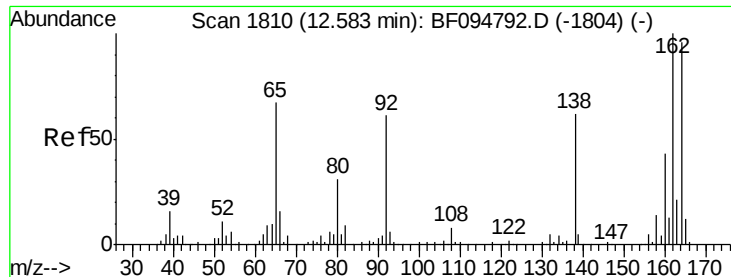
#37
2-Methylnaphthalene
Concen: 0.341 ng
RT: 10.77 min Scan# 1544
Delta R.T. 0.04 min
Lab File: BF095602.D
Acq: 1 Jun 2017 19:09

Tgt Ion:142 Resp: 3415
Ion Ratio Lower Upper
142 100
141 92.5 71.3 106.9
115 30.6 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: 20.000 ng

RT: 12.39 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Instrument :

BNA_F

ClientSampleId :

S22-0021

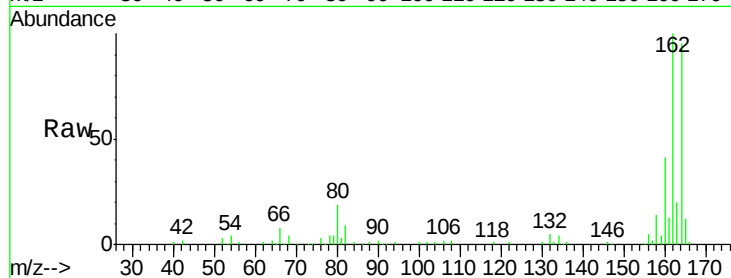
Tgt Ion:164 Resp: 145318

Ion Ratio Lower Upper

164 100

162 104.9 82.6 123.8

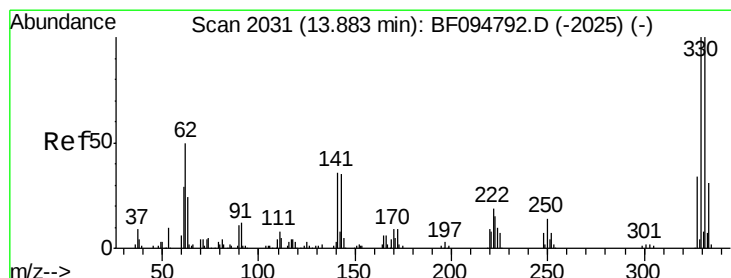
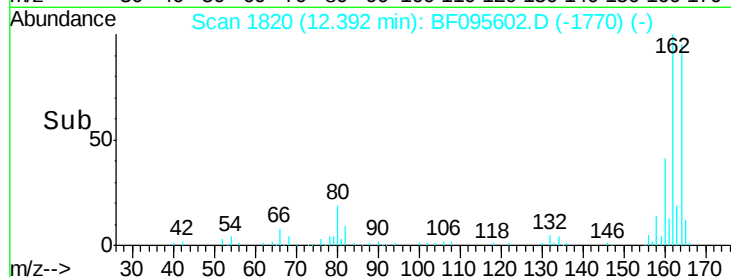
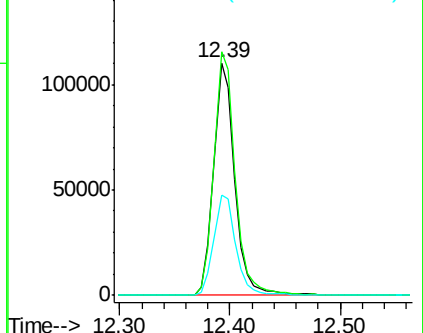
160 43.0 36.2 54.2



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: 156.666 ng

RT: 13.69 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

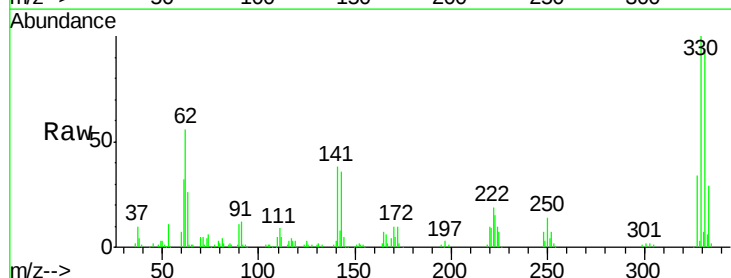
Tgt Ion:330 Resp: 186450

Ion Ratio Lower Upper

330 100

332 94.3 76.6 115.0

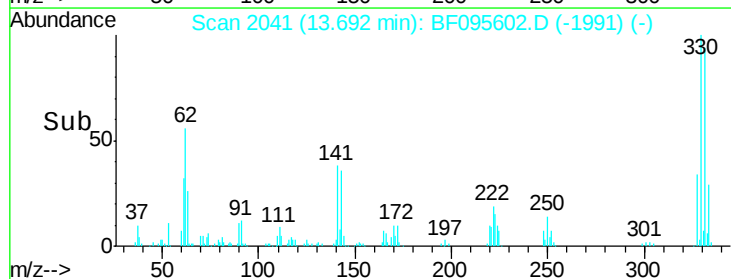
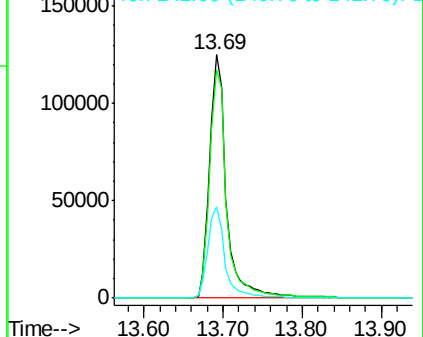
141 38.5 31.4 47.2

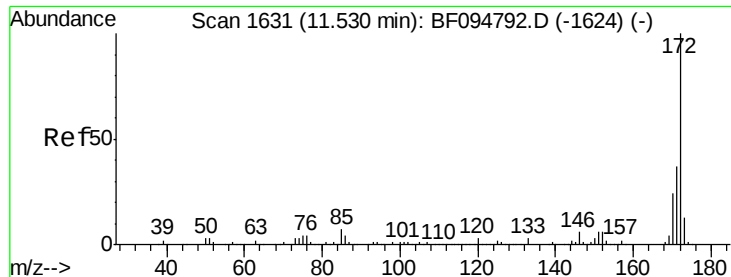


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

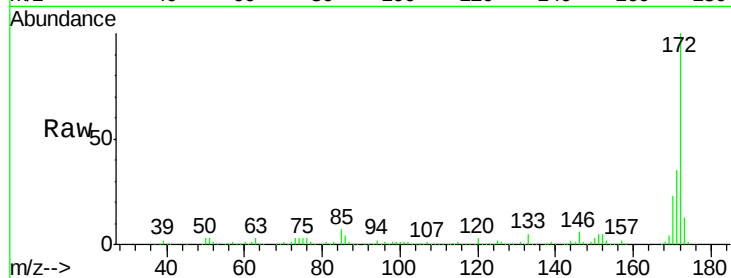




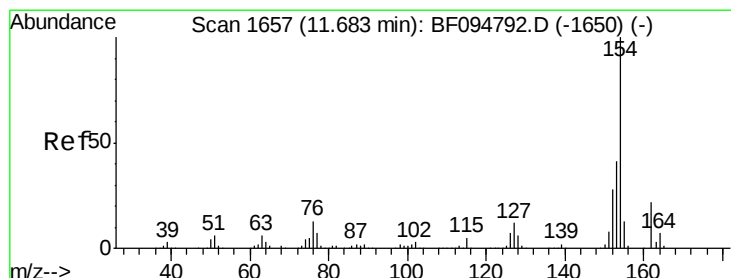
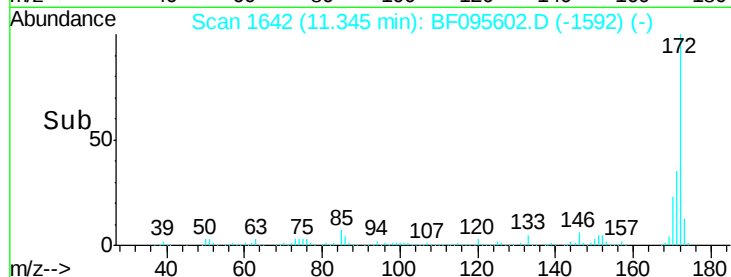
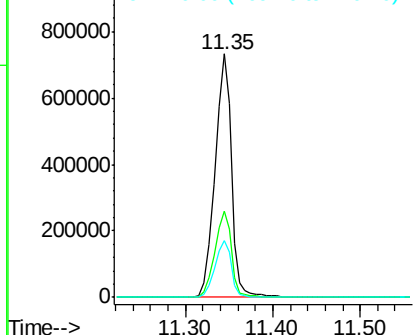
#44
 2-Fluorobiphenyl
 Concen: 95.498 ng
 RT: 11.35 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF095602.D
 Acq: 1 Jun 2017 19:09

Instrument :
 BNA_F
 ClientSampled :
 S22-0021

Tgt Ion:172 Resp: 964163
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 23.1 19.8 29.8

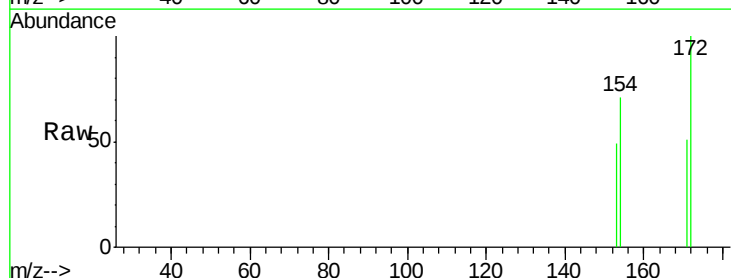


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

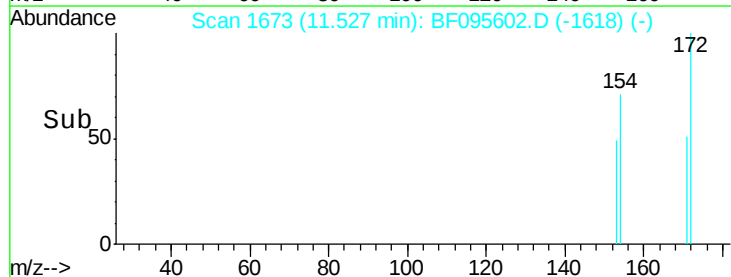
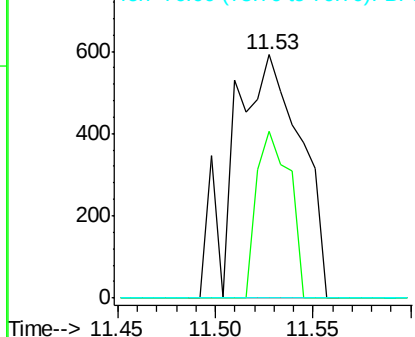


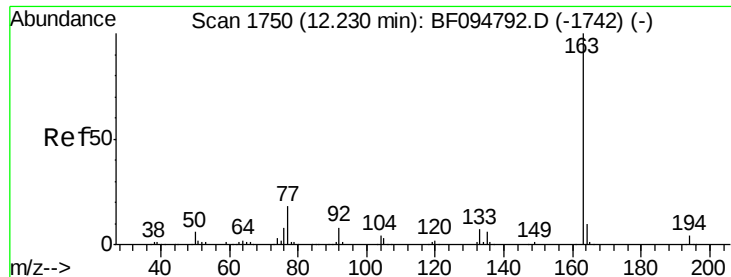
#45
 1,1'-Biphenyl
 Concen: 0.116 ng
 RT: 11.53 min Scan# 1673
 Delta R.T. 0.02 min
 Lab File: BF095602.D
 Acq: 1 Jun 2017 19:09

Tgt Ion:154 Resp: 1417
 Ion Ratio Lower Upper
 154 100
 153 68.6 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





#49

Dimethylphthalate

Concen: 2.195 ng

RT: 12.05 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Instrument :

BNA_F

ClientSampleId :

S22-0021

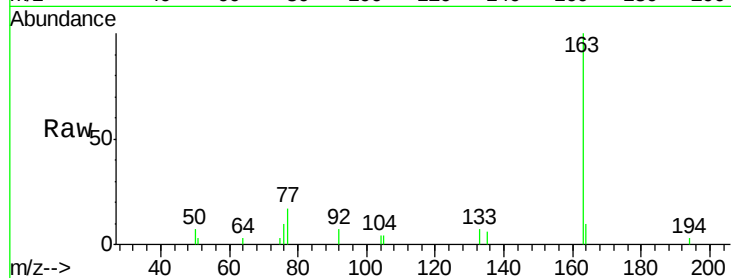
Tgt Ion:163 Resp: 26184

Ion Ratio Lower Upper

163 100

194 2.8 2.6 4.0

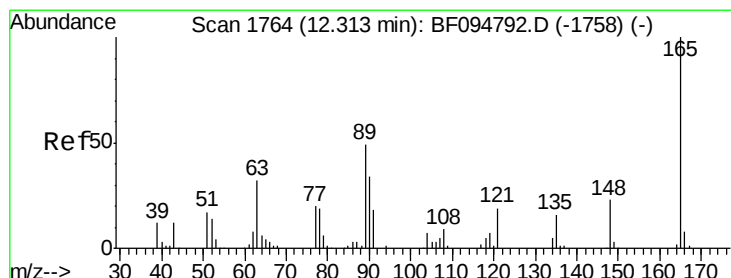
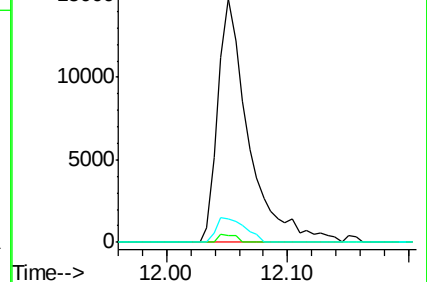
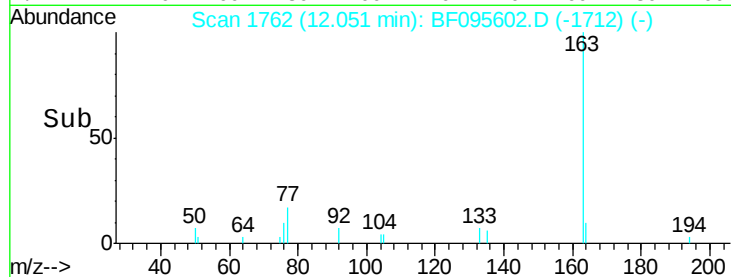
164 9.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.408 ng

RT: 12.39 min Scan# 1820

Delta R.T. 0.24 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

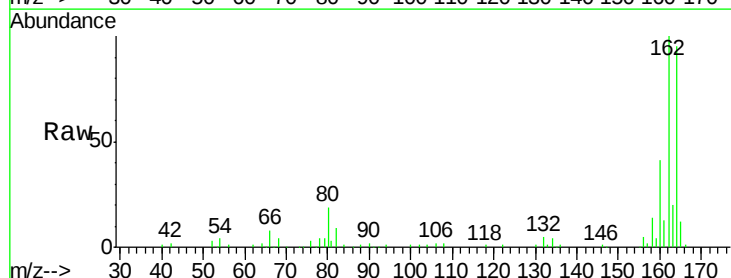
Tgt Ion:165 Resp: 18030

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

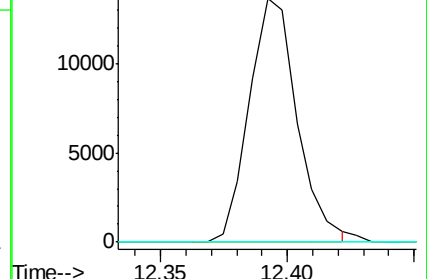
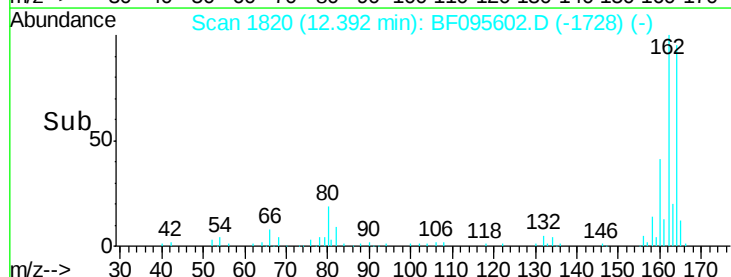
89 0.0 37.1 55.7#

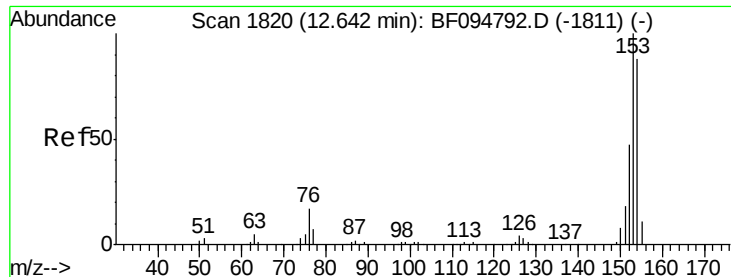


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.016 ng

RT: 12.40 min Scan# 1821

Delta R.T. -0.06 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Instrument :

BNA_F

ClientSampleId :

S22-0021

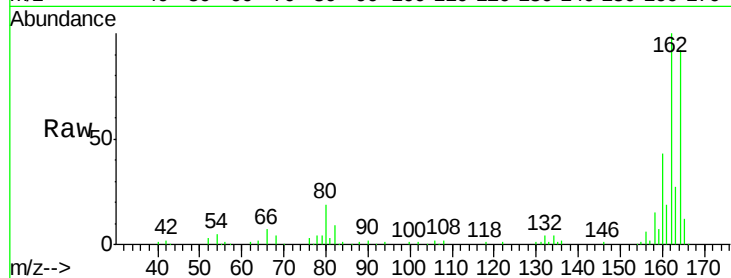
Tgt Ion:154 Resp: 148

Ion Ratio Lower Upper

154 100

153 0.0 90.5 135.7#

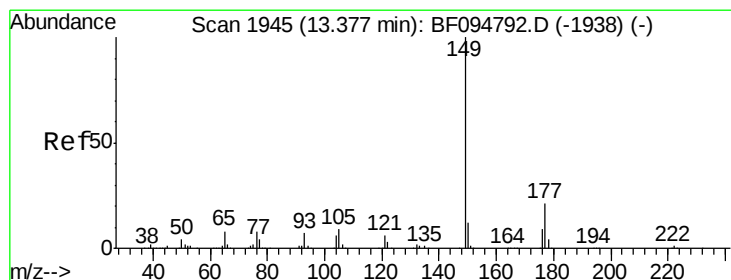
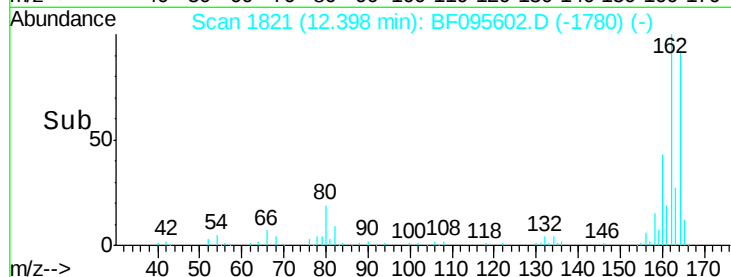
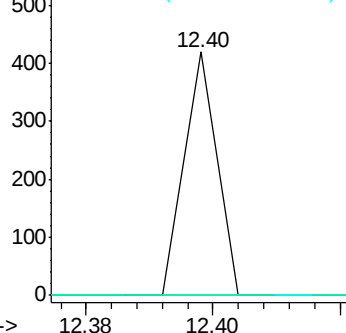
152 0.0 43.6 65.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#59

Diethylphthalate

Concen: 0.020 ng

RT: 13.19 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

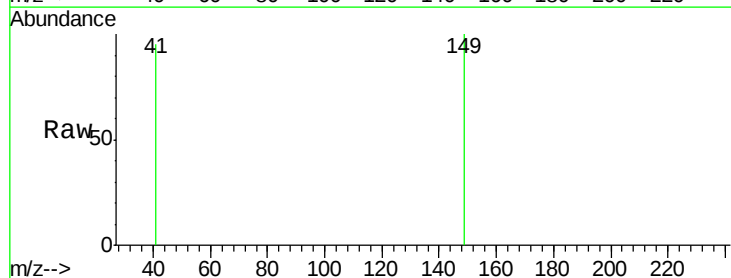
Tgt Ion:149 Resp: 233

Ion Ratio Lower Upper

149 100

177 0.0 16.7 25.1#

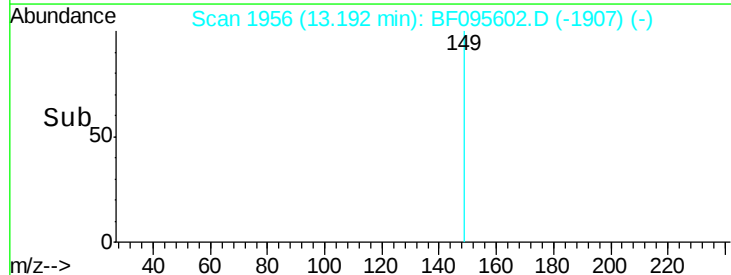
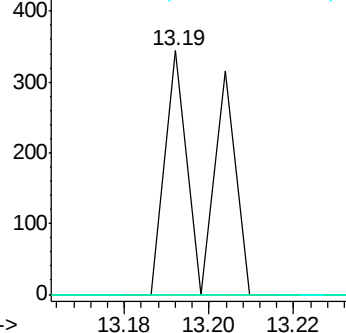
150 0.0 10.2 15.2#

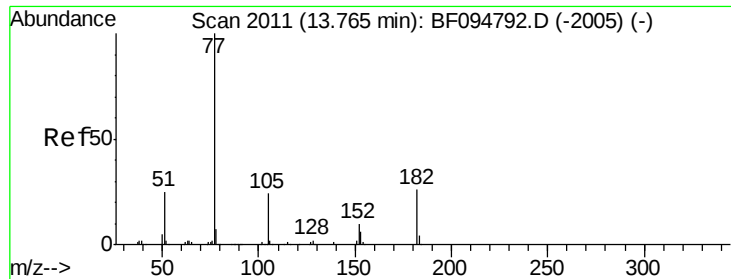


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.087 ng

RT: 13.69 min Scan# 2040

Delta R.T. 0.11 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Instrument :

BNA_F

ClientSampleId :

S22-0021

Tgt Ion: 77 Resp: 797

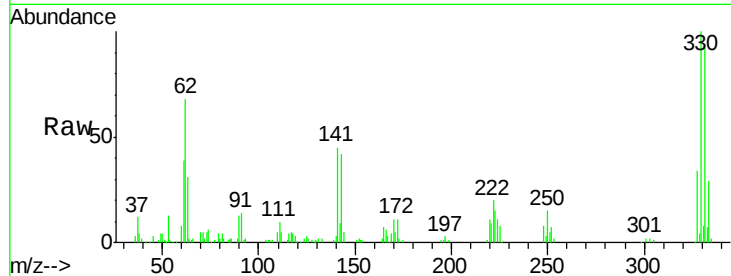
Ion Ratio Lower Upper

77 100

182 0.0 0.1 40.1#

105 67.0 3.6 43.6#

51 75.0 9.4 49.4#

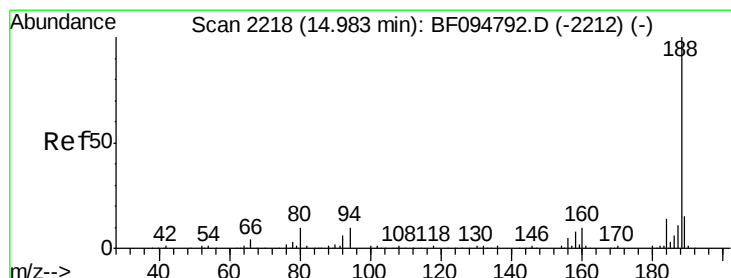
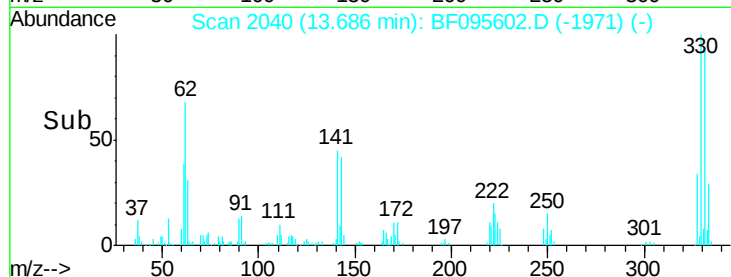
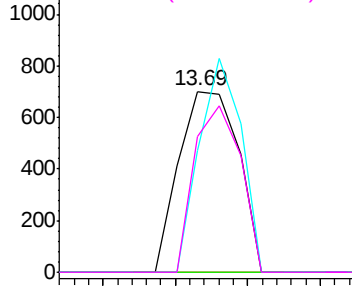


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 20.000 ng

RT: 14.80 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

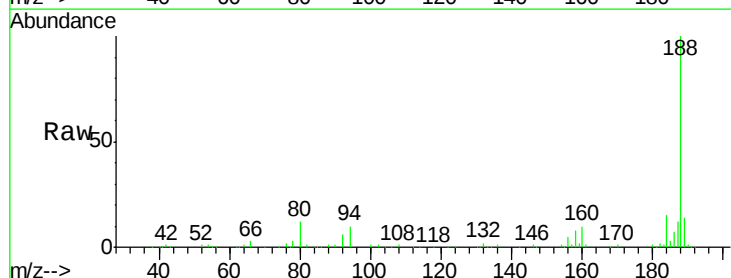
Tgt Ion: 188 Resp: 280539

Ion Ratio Lower Upper

188 100

94 9.5 9.4 14.2

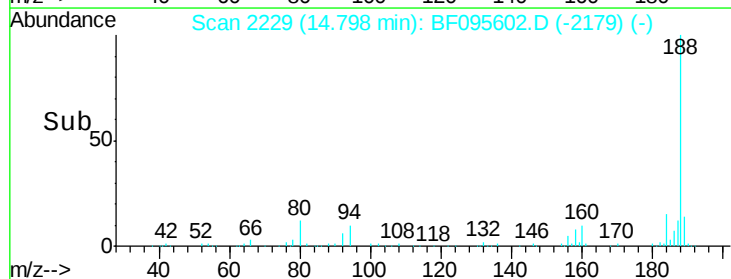
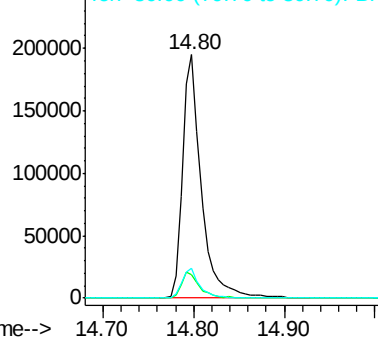
80 12.2 10.2 15.2

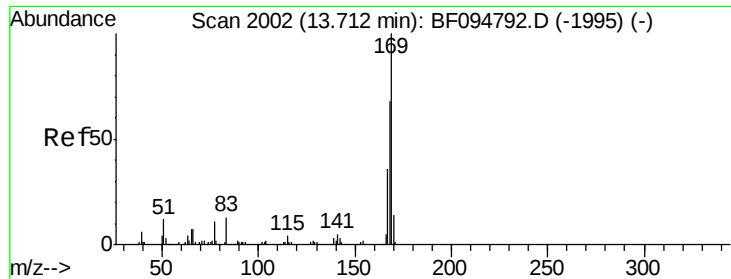


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.639 ng

RT: 13.69 min Scan# 2041

Delta R.T. 0.16 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Instrument :

BNA_F

ClientSampleId :

S22-0021

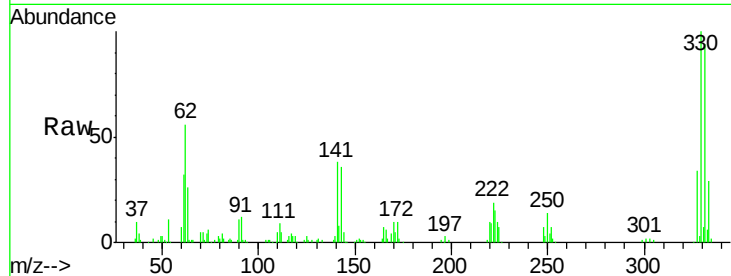
Tgt Ion:169 Resp: 6502

Ion Ratio Lower Upper

169 100

168 0.0 53.2 79.8#

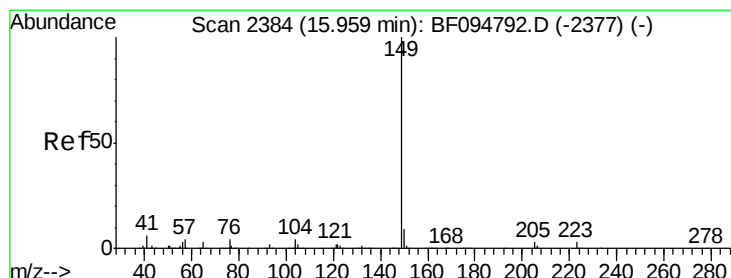
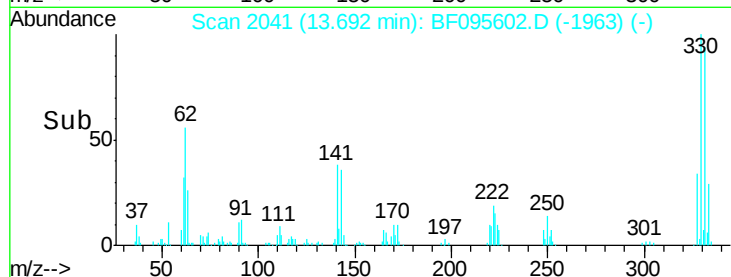
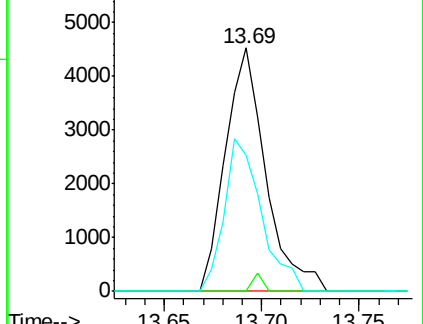
167 55.7 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#73

Di-n-butylphthalate

Concen: 0.063 ng

RT: 15.79 min Scan# 2398

Delta R.T. 0.01 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

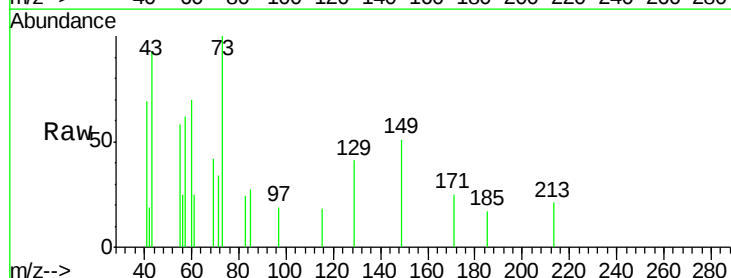
Tgt Ion:149 Resp: 1179

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

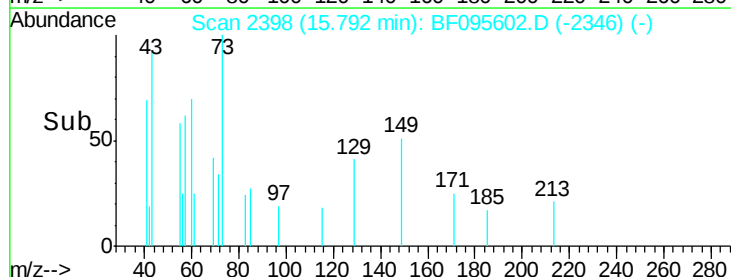
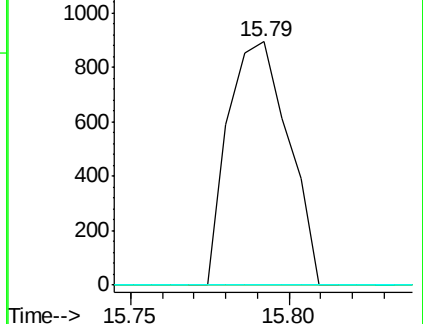
104 0.0 4.0 6.0#

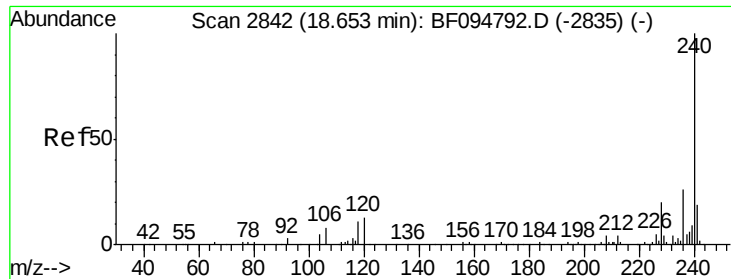


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

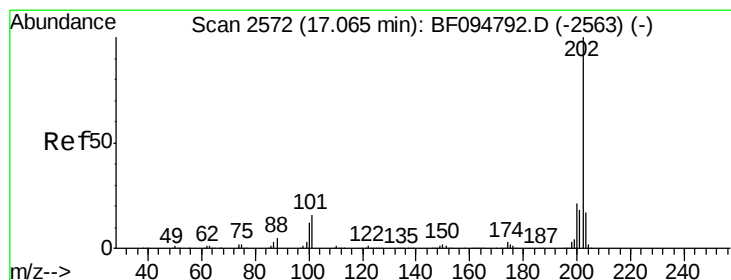
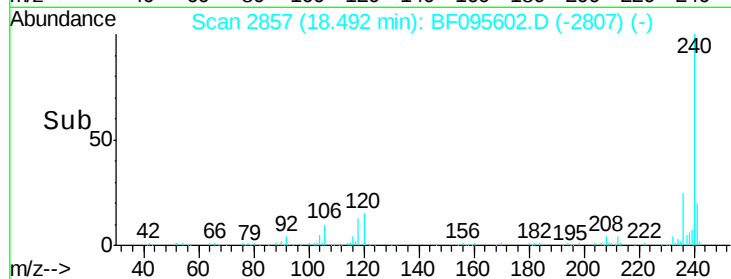
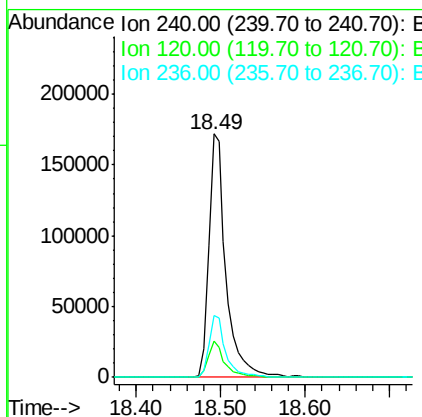
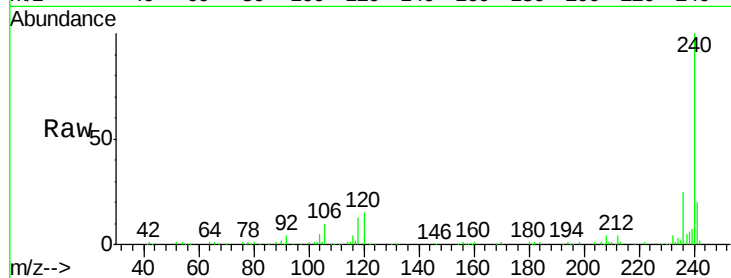




#75
Chrysene-d12
Concen: 20.000 ng
RT: 18.49 min Scan# 2857
Delta R.T. -0.01 min
Lab File: BF095602.D
Acq: 1 Jun 2017 19:09

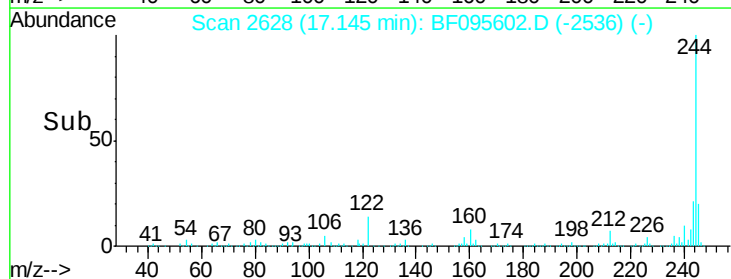
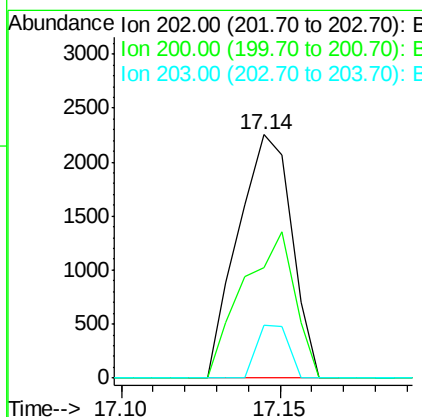
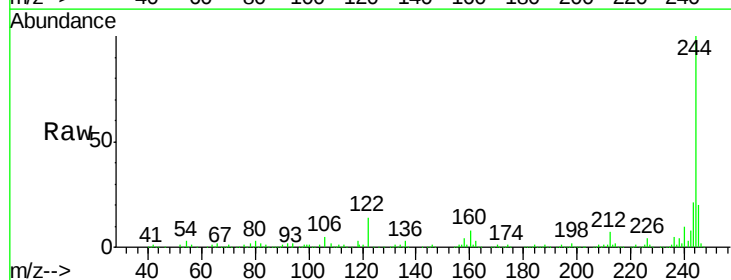
Instrument :
BNA_F
ClientSampleId :
S22-0021

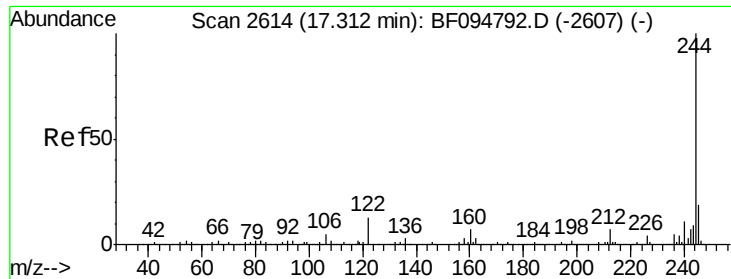
Tgt Ion:240 Resp: 245213
Ion Ratio Lower Upper
240 100
120 15.1 5.8 8.8#
236 25.3 20.5 30.7



#77
Pyrene
Concen: 0.144 ng
RT: 17.14 min Scan# 2628
Delta R.T. 0.24 min
Lab File: BF095602.D
Acq: 1 Jun 2017 19:09

Tgt Ion:202 Resp: 2646
Ion Ratio Lower Upper
202 100
200 45.1 17.6 26.4#
203 21.6 14.4 21.6#





#78

Terphenyl-d14

Concen: 73.612 ng

RT: 17.15 min Scan# 2629

Delta R.T. 0.00 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Instrument :

BNA_F

ClientSampleId :

S22-0021

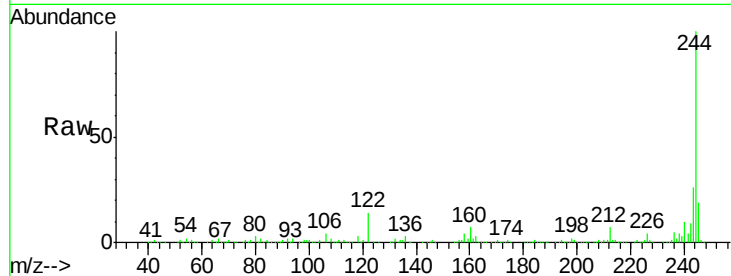
Tgt Ion:244 Resp: 819529

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

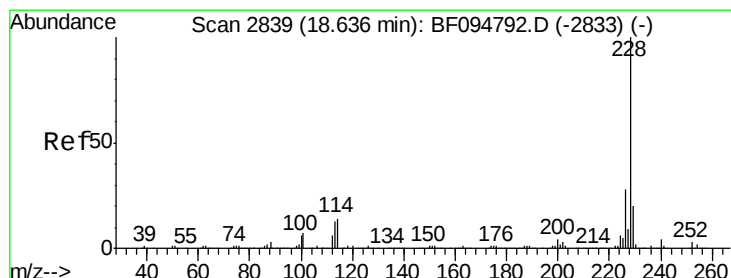
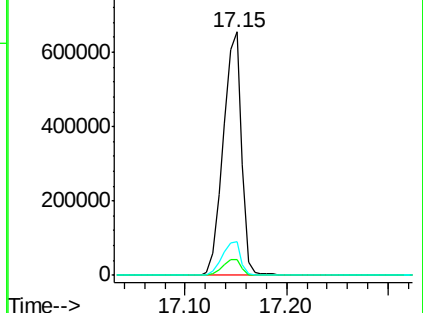
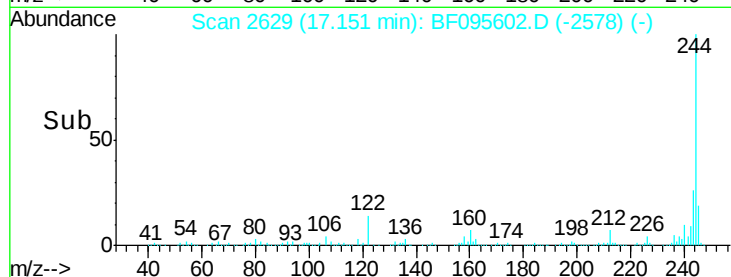
122 13.7 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 0.062 ng

RT: 18.49 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

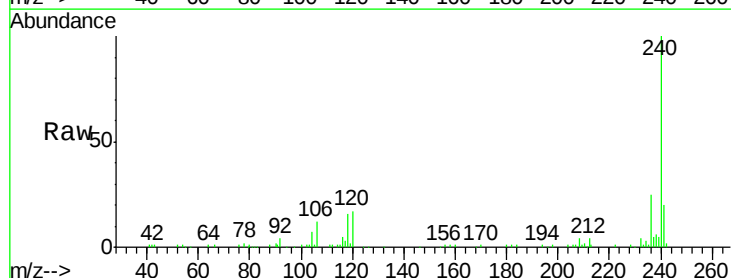
Tgt Ion:228 Resp: 880

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

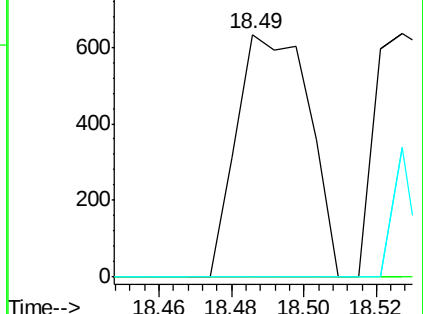
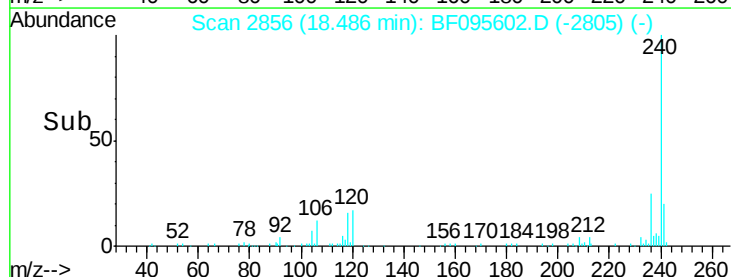
229 0.0 16.3 24.5#

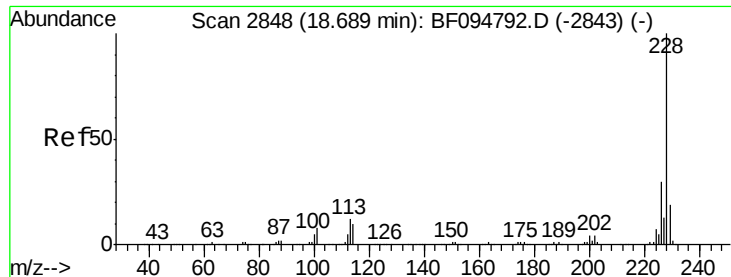


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.084 ng

RT: 18.54 min Scan# 2865

Delta R.T. 0.01 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Instrument :

BNA_F

ClientSampleId :

S22-0021

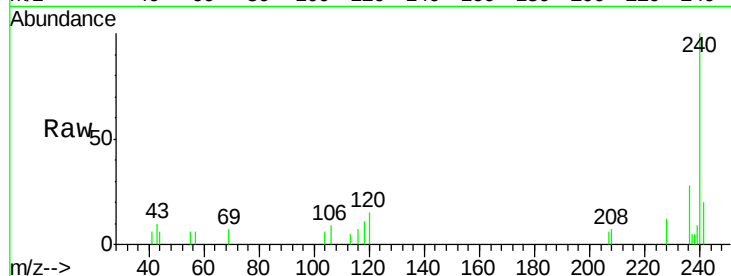
Tgt Ion:228 Resp: 1166

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

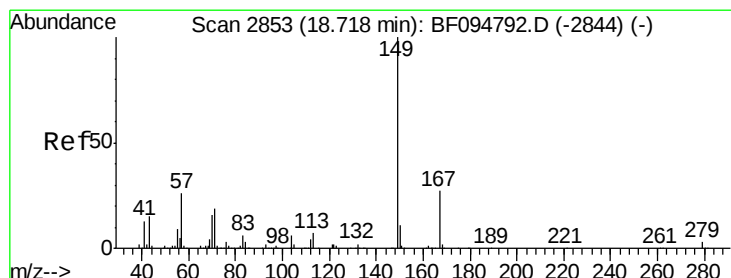
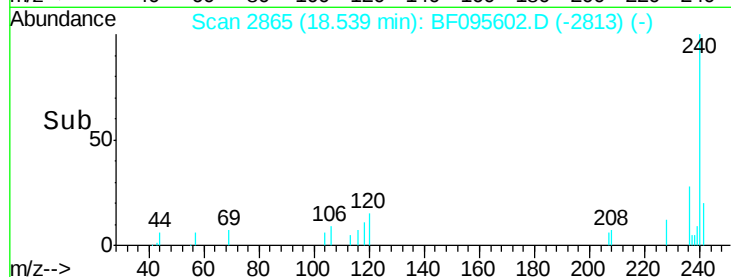
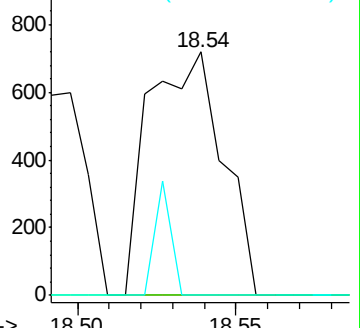
229 0.0 15.8 23.6#



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: 0.220 ng

RT: 18.56 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

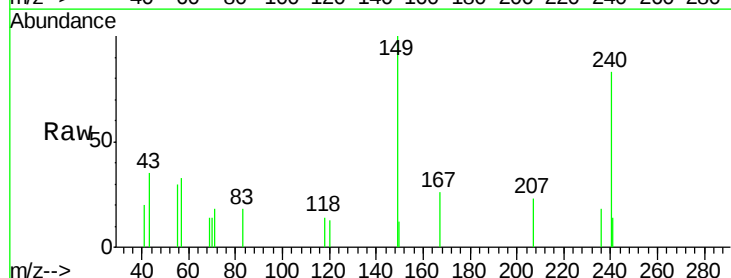
Tgt Ion:149 Resp: 2679

Ion Ratio Lower Upper

149 100

167 25.8 21.0 31.4

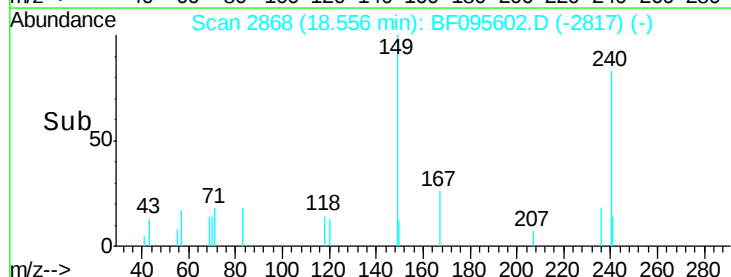
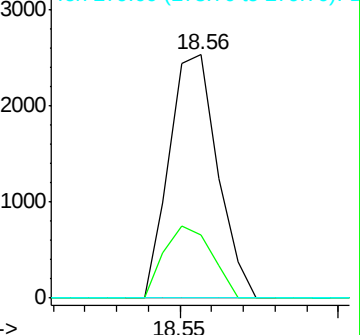
279 0.0 1.9 2.9#

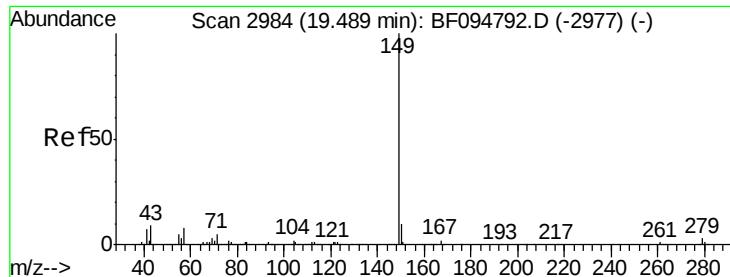


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.017 ng

RT: 19.33 min Scan# 2999

Delta R.T. 0.00 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

Instrument :

BNA_F

ClientSampled :

S22-0021

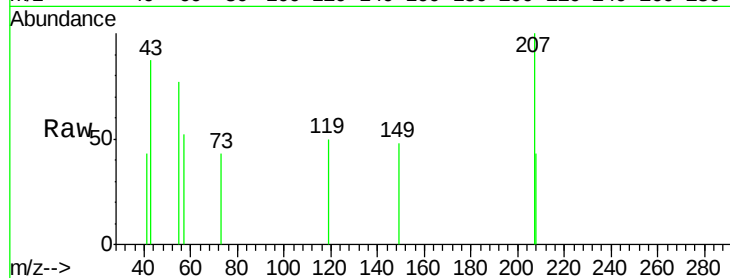
Tgt Ion:149 Resp: 333

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

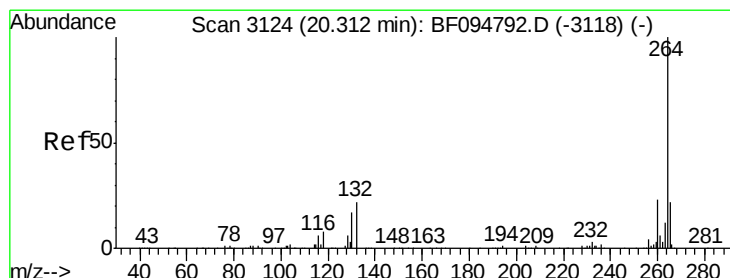
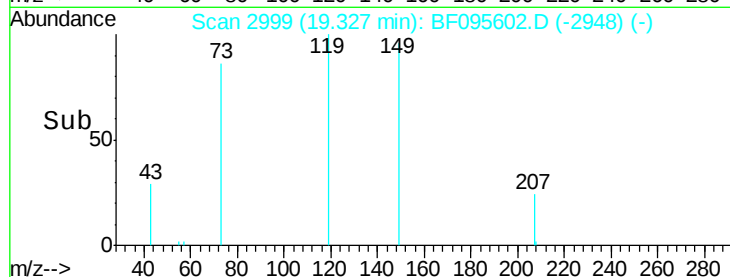
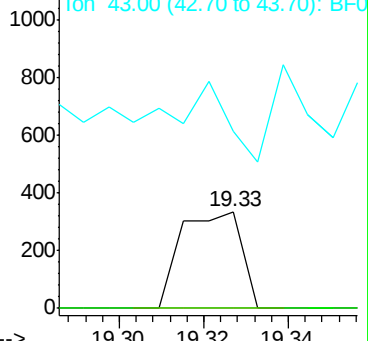
43 63.7 8.5 12.7#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 20.17 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BF095602.D

Acq: 1 Jun 2017 19:09

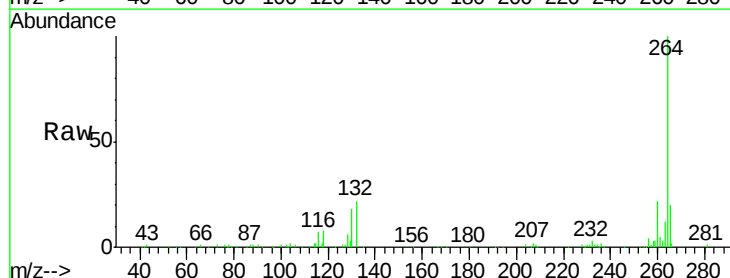
Tgt Ion:264 Resp: 168149

Ion Ratio Lower Upper

264 100

260 22.3 19.5 29.3

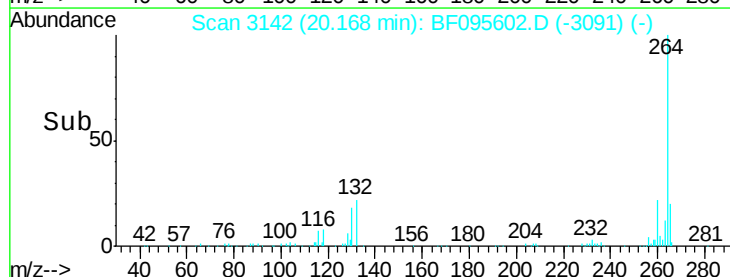
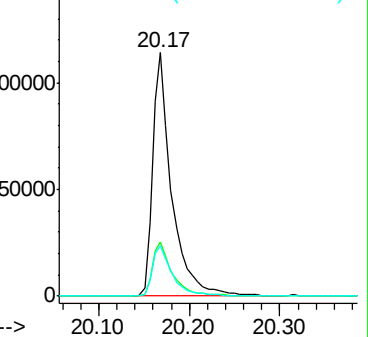
265 20.4 17.2 25.8

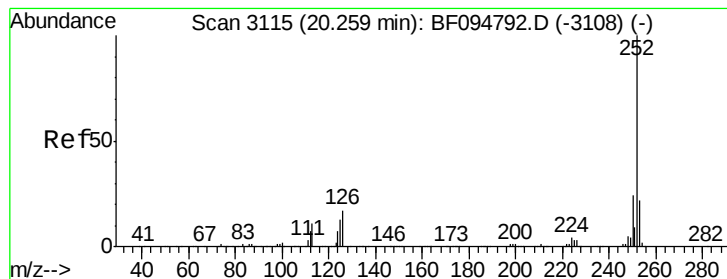


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.048 ng

RT: 20.17 min Scan# 3142

Delta R.T. 0.06 min

Lab File: BF095602.D

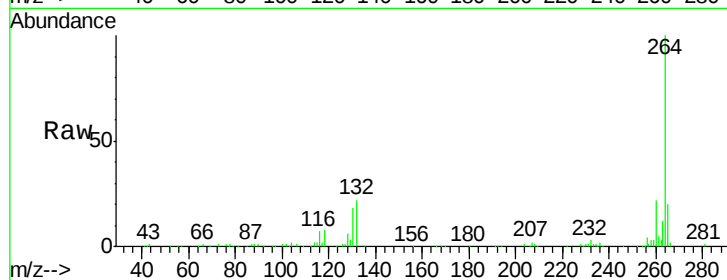
Acq: 1 Jun 2017 19:09

Instrument :

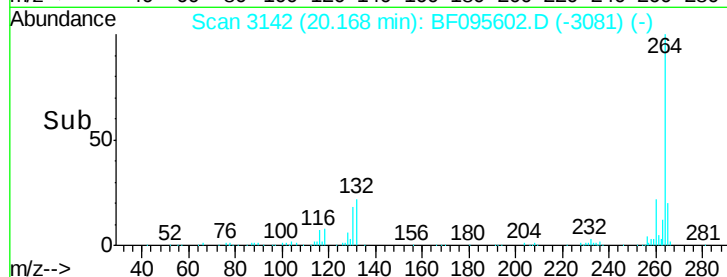
BNA_F

ClientSampleId :

S22-0021



Tgt Ion:	252	Resp:	457
Ion Ratio	Lower	Upper	
252	100		
253	0.0	17.5	26.3#
125	0.0	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

20.17

457

300

200

100

0

Time--> 20.14 20.16 20.18