

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060517\
 Data File : BF095684.D
 Acq On : 5 Jun 2017 21:04
 Operator : SJ/MA
 Sample : I3405-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 01:17:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	101843	20.00	ng	0.00
21) Naphthalene-d8	9.43	136	399049	20.00	ng	0.00
38) Acenaphthene-d10	12.25	164	193629	20.00	ng	0.00
63) Phenanthrene-d10	14.64	188	365469	20.00	ng	0.00
75) Chrysene-d12	18.35	240	303818	20.00	ng	0.00
86) Perylene-d12	20.02	264	206579	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	977625	152.96	ng	0.02
7) Phenol-d6	6.96	99	1072971	140.23	ng	0.00
23) Nitrobenzene-d5	8.31	82	712209	110.84	ng	0.00
41) 2,4,6-Tribromophenol	13.55	330	241239	140.81	ng	0.00
44) 2-Fluorobiphenyl	11.21	172	1158065	83.23	ng	0.00
78) Terphenyl-d14	17.02	244	960574	78.46	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	1.60	88	39729	13.07	ng	# 21
6) Aniline	6.97	93	903	0.09	ng	# 1
9) Benzaldehyde	6.95	77	1781	0.35	ng	# 1
10) Phenol	6.97	94	53168	6.70	ng	96
11) bis(2-Chloroethyl)ether	7.05	93	1175	0.19	ng	# 1
13) 1,4-Dichlorobenzene	7.65	146	125	0.02	ng	# 1
14) 1,2-Dichlorobenzene	7.65	146	125	0.02	ng	# 1
15) Benzyl Alcohol	7.64	79	10296	1.96	ng	# 34
16) 2,2'-oxybis(1-Chloropropan	7.99	45	109	0.01	ng	70
19) n-Nitroso-di-n-propylamine	8.31	70	91858	18.94	ng	# 74
24) Nitrobenzene	8.31	77	1643	0.24	ng	# 34
25) Isophorone	8.74	82	326	0.03	ng	# 67
31) Naphthalene	9.47	128	3276	0.16	ng	# 68
37) 2-Methylnaphthalene	10.62	142	3286	0.24	ng	96
45) 1,1'-Biphenyl	11.38	154	2061	0.13	ng	76
48) Acenaphthylene	11.75	152	121	0.01	ng	# 60
49) Dimethylphthalate	11.90	163	109643	7.46	ng	99
50) 2,6-Dinitrotoluene	11.90	165	990	0.31	ng	# 9
51) Acenaphthene	12.30	154	882	0.07	ng	# 72
54) Dibenzofuran	12.62	168	2076	0.12	ng	# 80
55) 4-Nitrophenol	12.63	139	670	4.92	ng	# 25
57) Fluorene	13.16	166	833	0.06	ng	# 79
59) Diethylphthalate	13.05	149	10637	0.75	ng	98
62) Azobenzene	13.54	77	1222	0.10	ng	# 1
64) 4,6-Dinitro-2-methylphenol	13.54	198	449	0.19	ng	# 1
65) n-Nitrosodiphenylamine	13.54	169	8703	0.66	ng	# 39
70) Phenanthrene	14.68	178	16235	0.77	ng	# 95
71) Anthracene	14.80	178	3236	0.15	ng	# 82
72) Carbazole	15.12	167	1380	0.06	ng	# 58
73) Di-n-butylphthalate	15.65	149	8249	0.36	ng	# 93
74) Fluoranthene	16.47	202	17264	0.83	ng	98
77) Pyrene	16.77	202	15726	0.69	ng	99
79) Butylbenzylphthalate	17.68	149	118	0.01	ng	# 32
80) Benzo(a)anthracene	18.34	228	8343	0.47	ng	97

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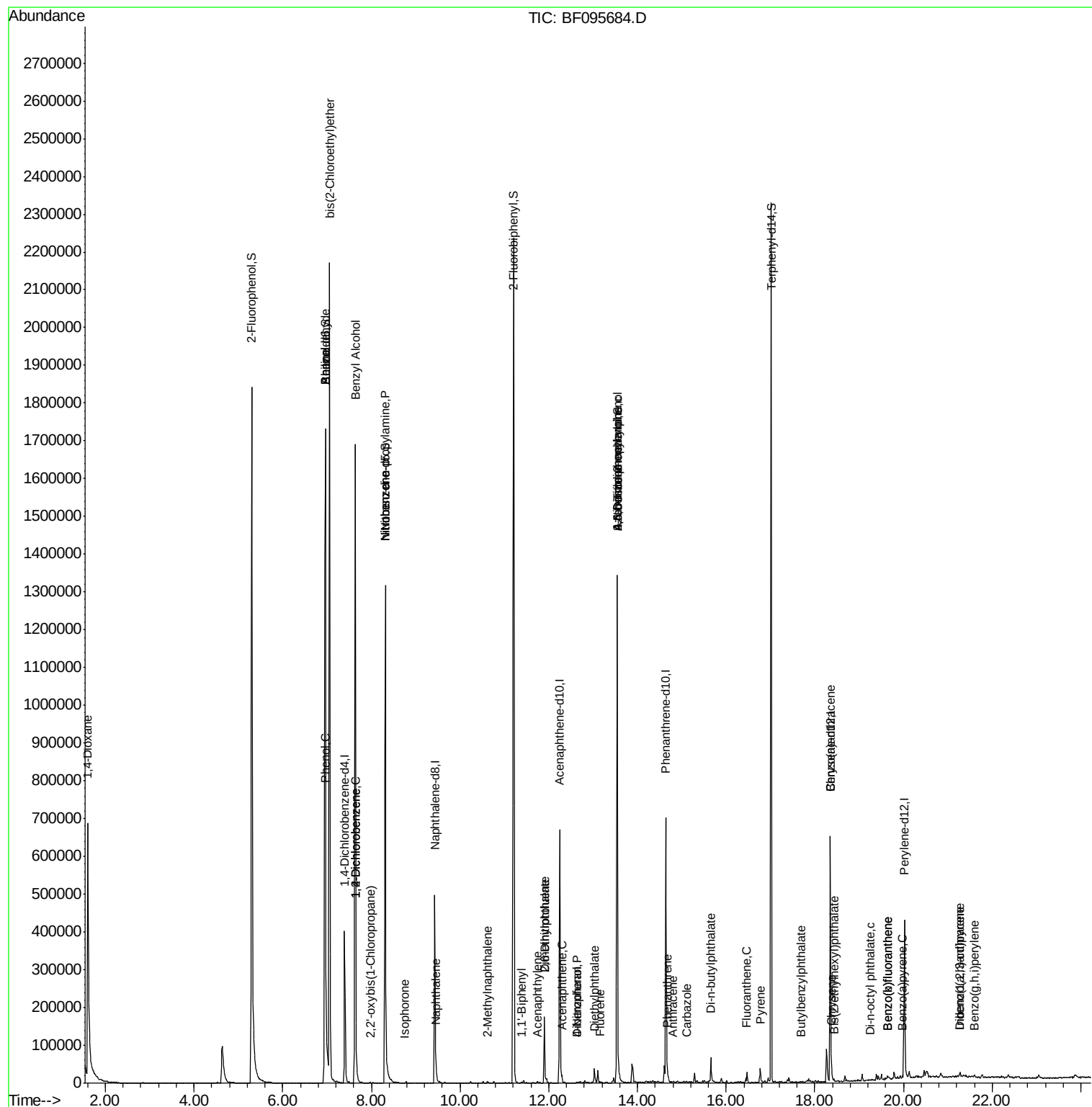
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	18.39	228	7167	0.41	nq	93
83) Bis(2-ethylhexyl)phthalate	18.43	149	2225	0.16	nq	# 72
84) Di-n-octyl phthalate	19.24	149	350	0.02	nq	# 1
85) Indeno(1,2,3-cd)pyrene	21.26	276	2009	0.13	nq	# 61
87) Benzo(b)fluoranthene	19.64	252	8563	0.66	nq	# 93
88) Benzo(k)fluoranthene	19.64	252	8563	0.69	nq	# 97
89) Benzo(a)pyrene	19.98	252	3499	0.29	nq	# 88
90) Dibenzo(a,h)anthracene	21.25	278	337	0.03	nq	# 53
91) Benzo(g,h,i)perylene	21.60	276	1848	0.18	nq	# 59

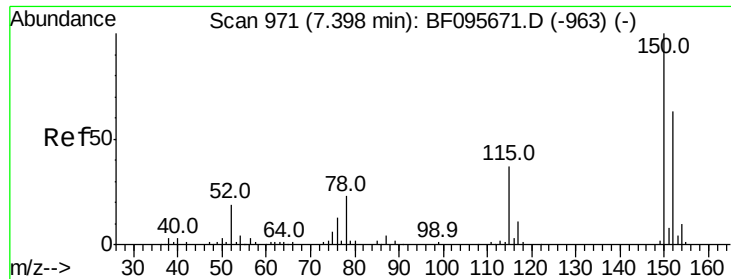
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.40 min Scan# 996

Delta R.T. -0.00 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

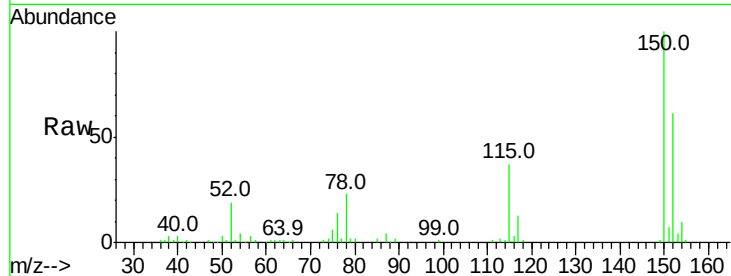
Tot Ion:152 Resp: 101843

Ion Ratio Lower Upper

152 100

150 163.1 126.2 189.2

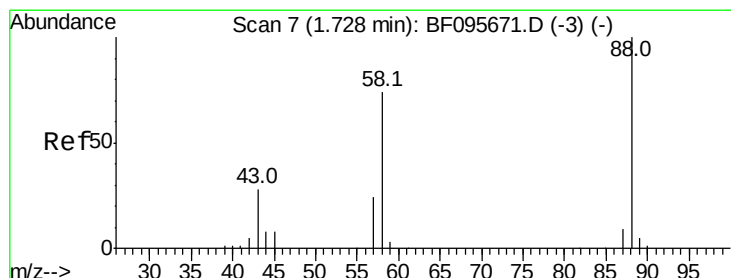
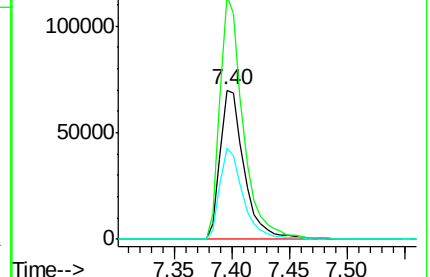
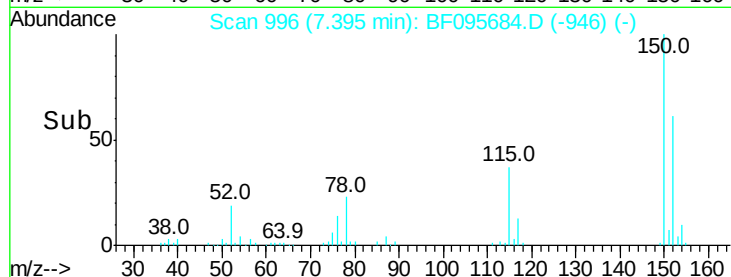
115 60.9 52.2 78.2



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: 13.07 ng

RT: 1.60 min Scan# 11

Delta R.T. -0.13 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

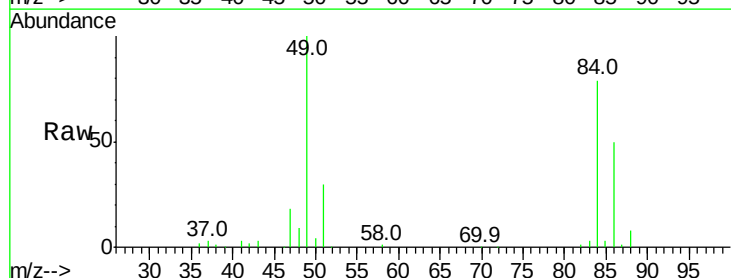
Tgt Ion: 88 Resp: 39729

Ion Ratio Lower Upper

88 100

58 0.0 61.4 92.0#

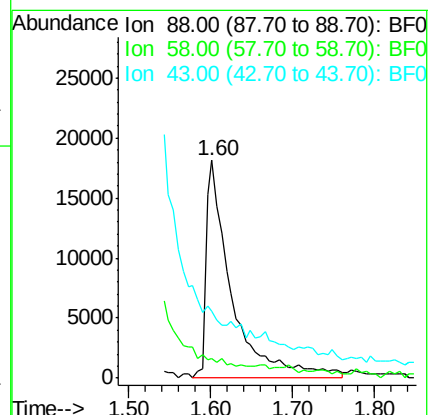
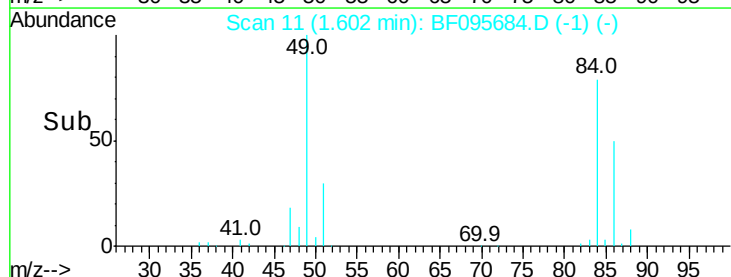
43 0.0 23.4 35.0#

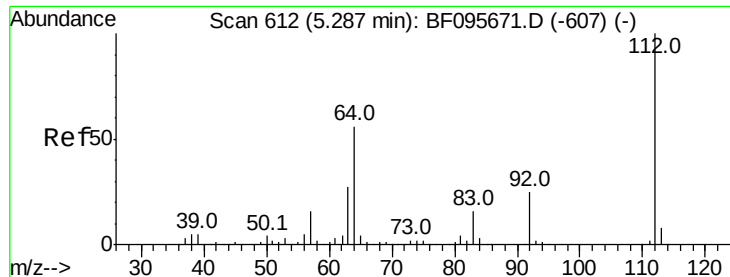


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 152.96 ng

RT: 5.30 min Scan# 640

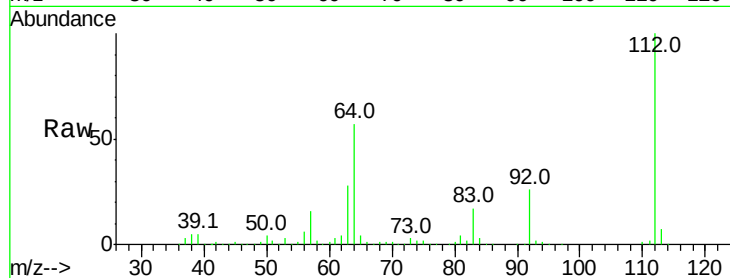
Delta R.T. 0.02 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :
BNA_F
ClientSampleId :

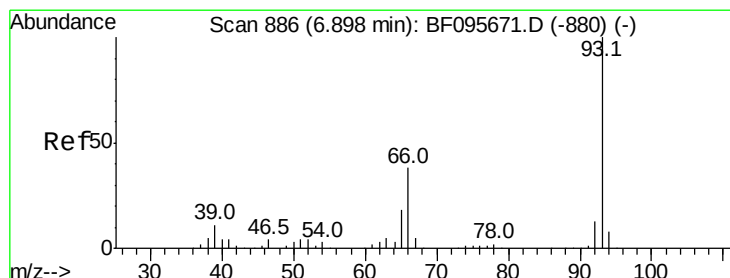
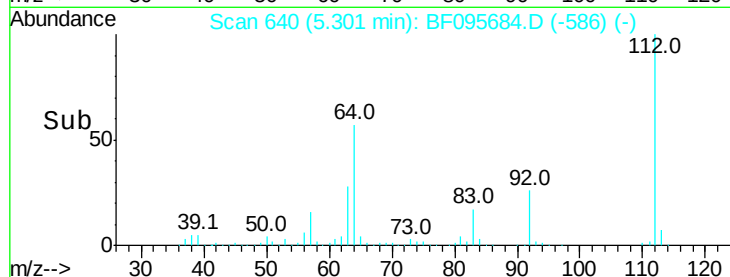
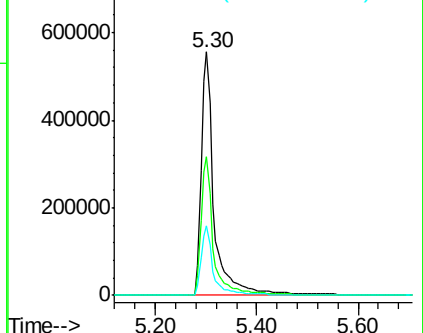
Tot Ion:	112	Resp:	977625
Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.0	69.0
63	28.4	23.4	35.0



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: 0.09 ng

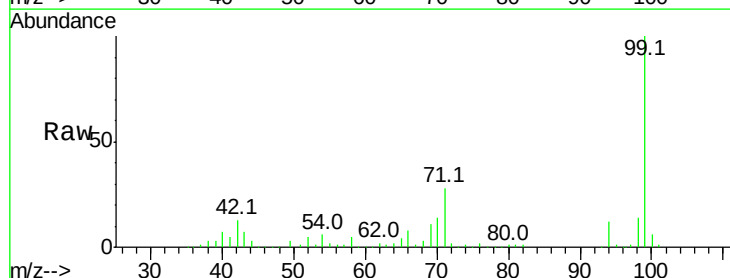
RT: 6.97 min Scan# 923

Delta R.T. 0.07 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

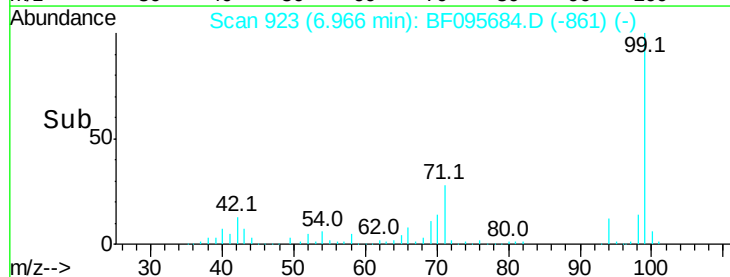
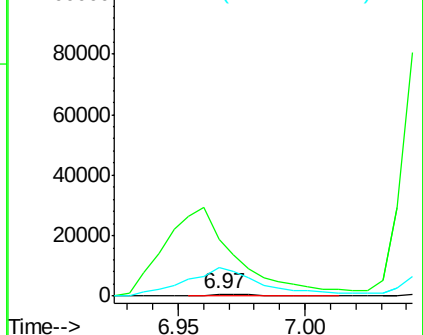
Tgt Ion:	93	Resp:	903
Ion	Ratio	Lower	Upper
93	100		
66	2766.0	32.9	49.3#
65	1406.6	16.0	24.0#

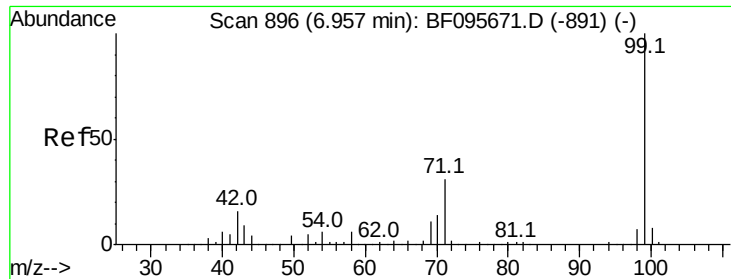


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 140.23 ng

RT: 6.96 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

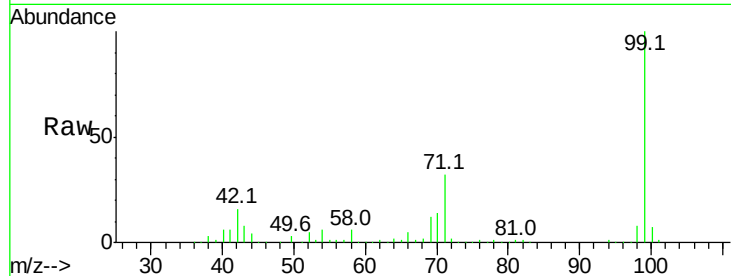
Tot Ion: 99 Resp: 1072971

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

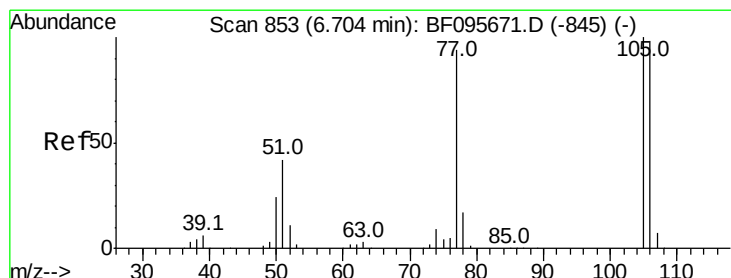
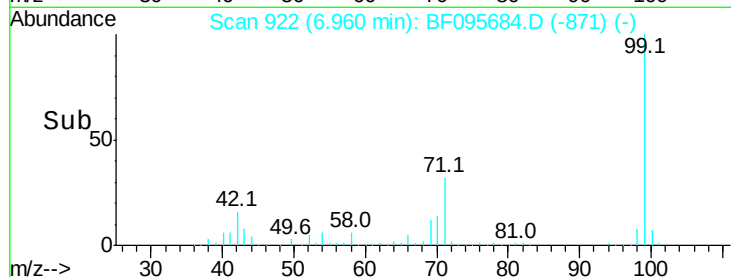
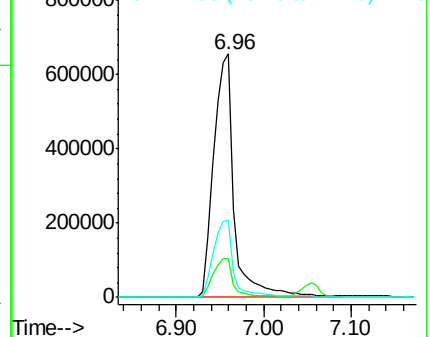
71 31.7 24.5 36.7



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: 0.35 ng

RT: 6.95 min Scan# 921

Delta R.T. 0.25 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

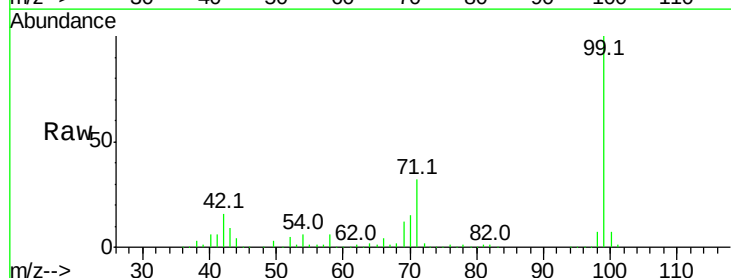
Tgt Ion: 77 Resp: 1781

Ion Ratio Lower Upper

77 100

105 0.0 83.8 123.8#

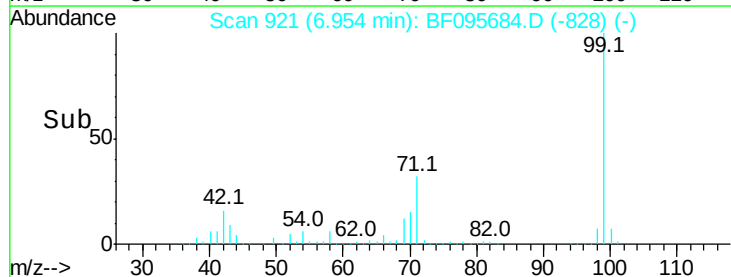
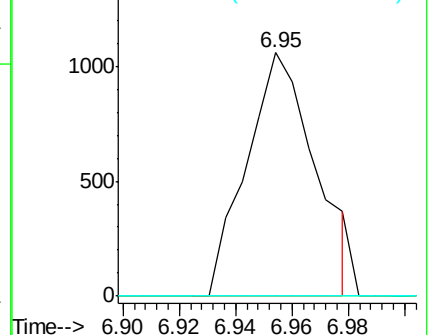
106 0.0 79.1 119.1#

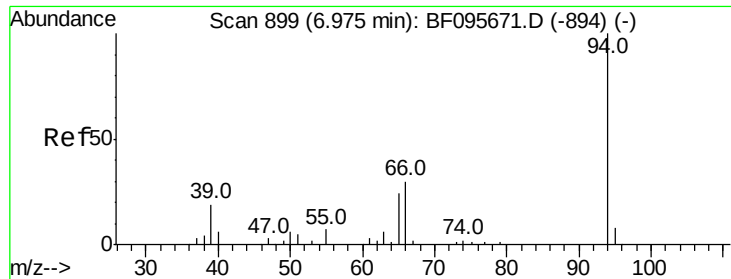


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.70 ng

RT: 6.97 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

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ClientSampleId :

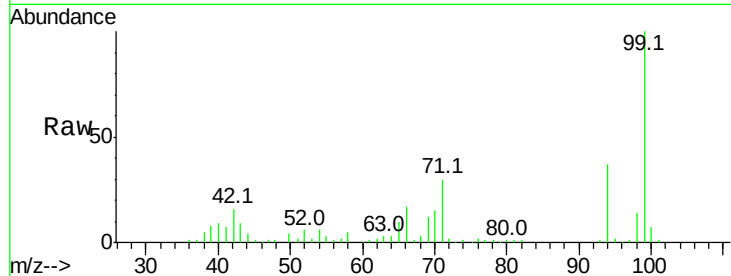
Tot Ion: 94 Resp: 53168

Ion Ratio Lower Upper

94 100

65 26.5 9.9 49.9

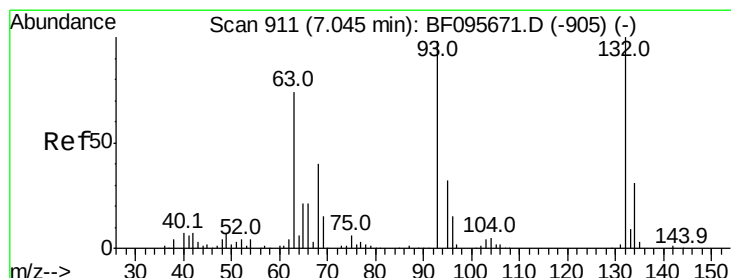
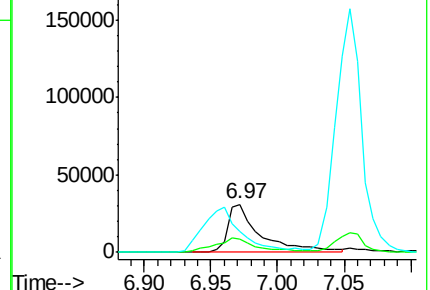
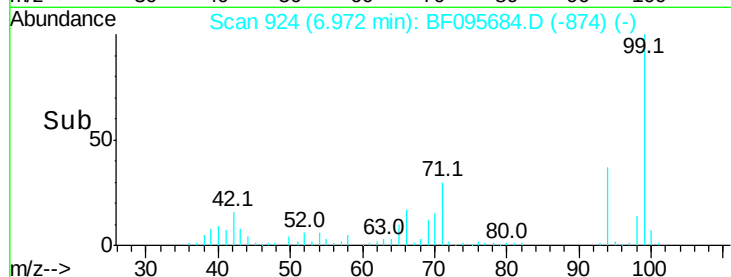
66 44.8 23.1 63.1



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: 0.19 ng

RT: 7.05 min Scan# 938

Delta R.T. 0.01 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

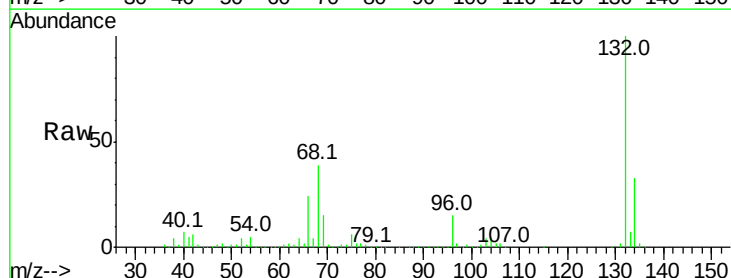
Tgt Ion: 93 Resp: 1175

Ion Ratio Lower Upper

93 100

63 666.9 59.2 99.2#

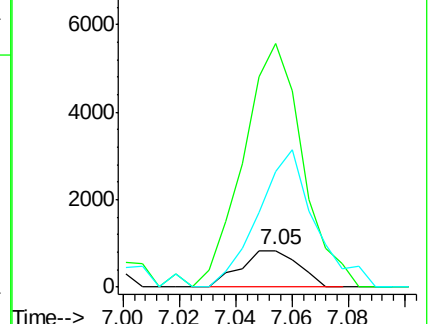
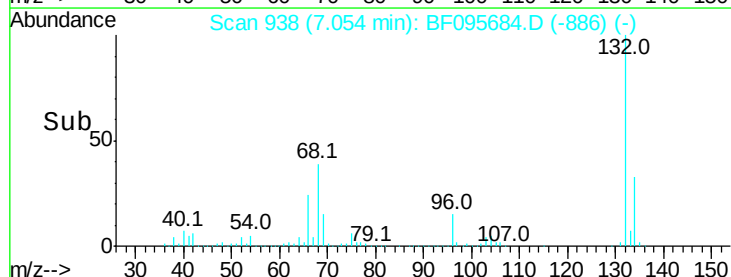
95 316.0 12.8 52.8#

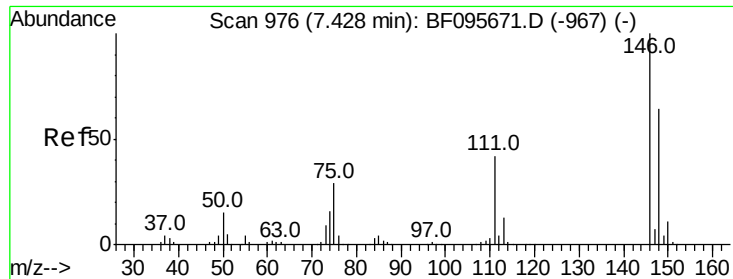


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

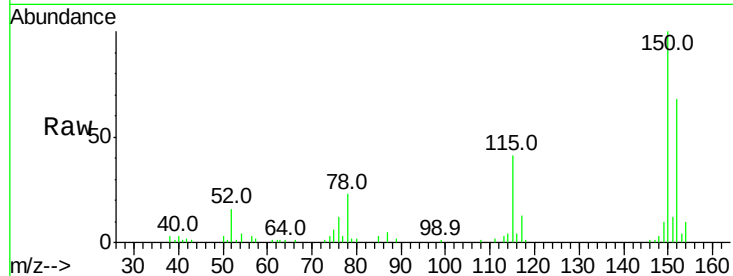




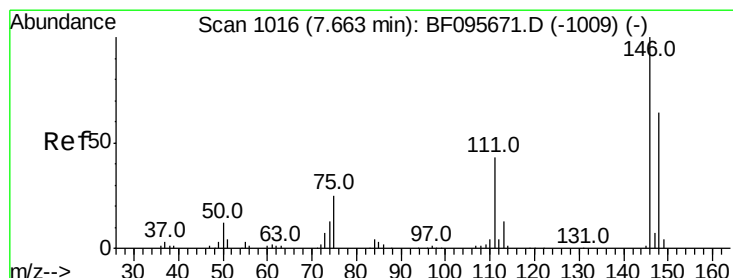
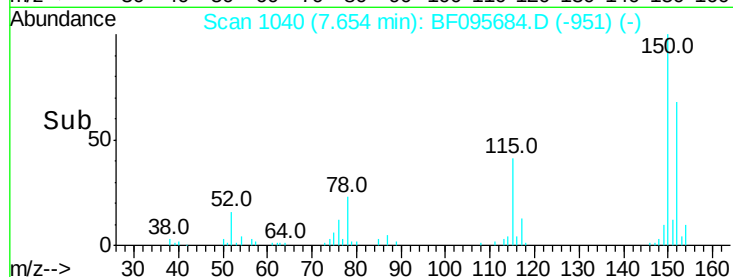
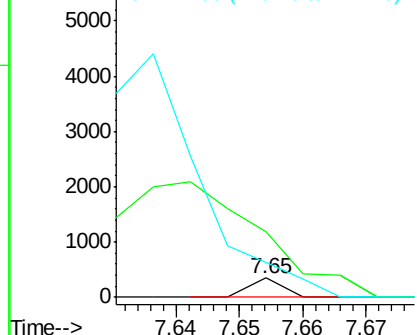
#13
 1,4-Dichlorobenzene
 Concen: 0.02 ng
 RT: 7.65 min Scan# 1040
 Delta R.T. 0.23 min
 Lab File: BF095684.D
 Acq: 5 Jun 2017 21:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:146 Resp: 125
 Ion Ratio Lower Upper
 146 100
 148 335.4 52.2 78.2#
 111 177.9 30.3 45.5#

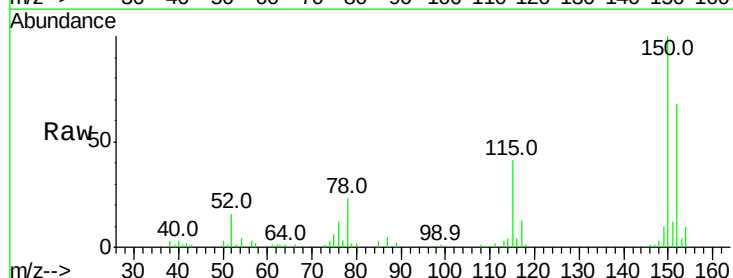


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

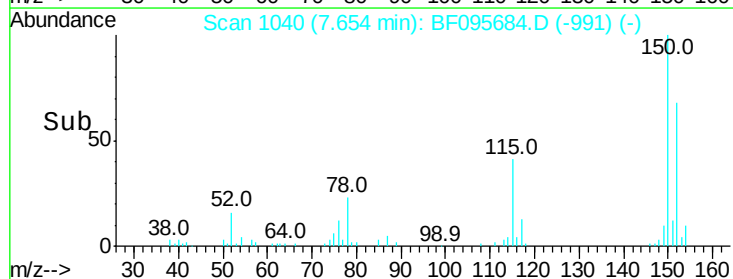
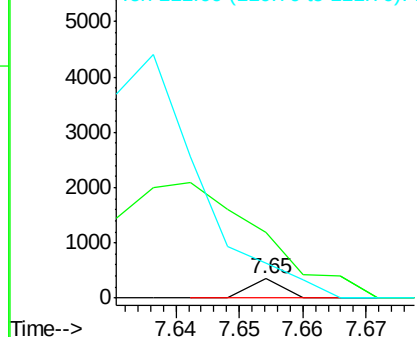


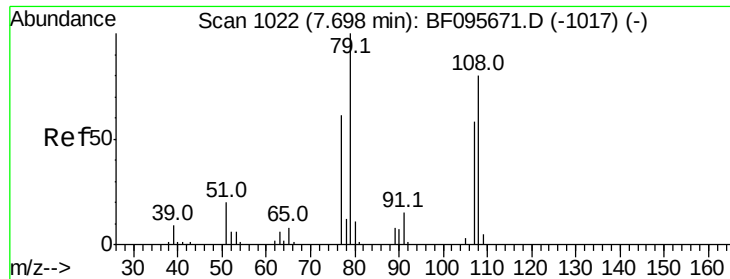
#14
 1,2-Dichlorobenzene
 Concen: 0.02 ng
 RT: 7.65 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BF095684.D
 Acq: 5 Jun 2017 21:04

Tgt Ion:146 Resp: 125
 Ion Ratio Lower Upper
 146 100
 148 335.4 50.4 75.6#
 111 177.9 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: 1.96 ng

RT: 7.64 min Scan# 1037

Delta R.T. -0.06 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

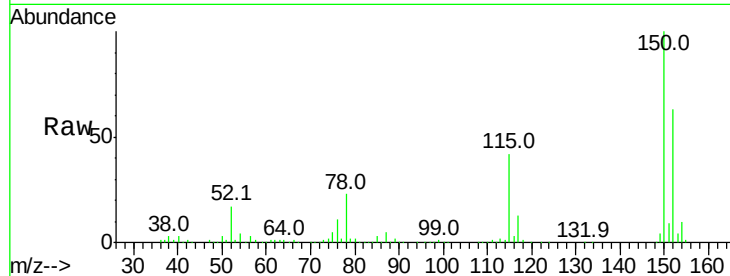
Tot Ion: 79 Resp: 10296

Ion Ratio Lower Upper

79 100

108 29.8 63.4 95.0#

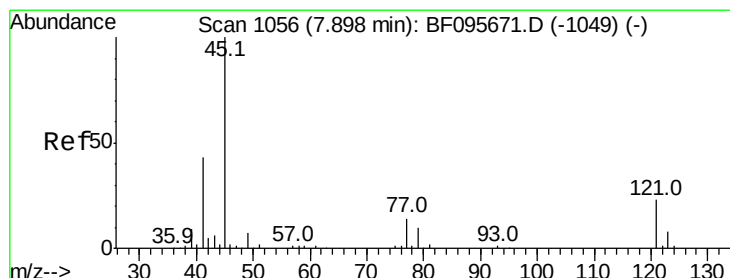
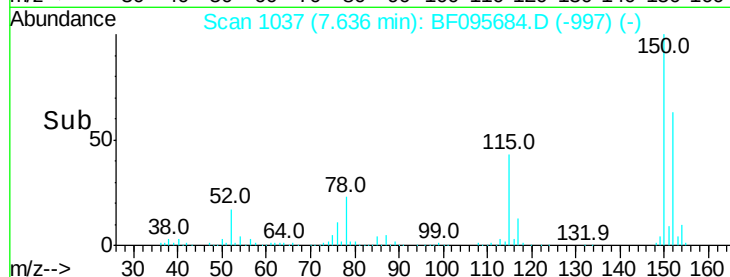
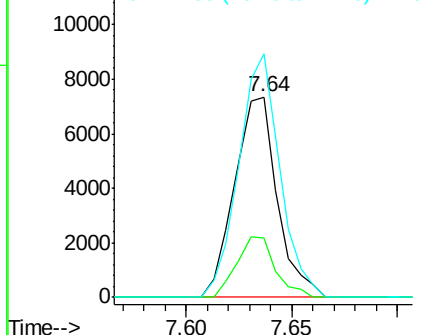
77 121.6 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.01 ng

RT: 7.99 min Scan# 1097

Delta R.T. 0.09 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

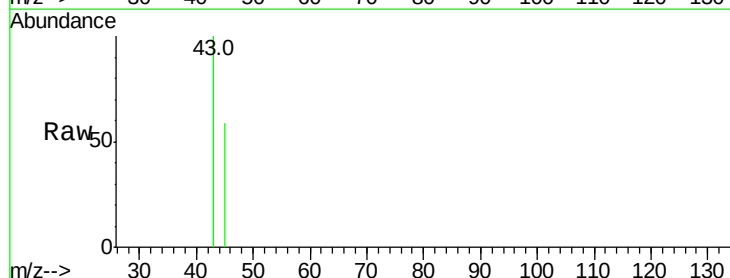
Tgt Ion: 45 Resp: 109

Ion Ratio Lower Upper

45 100

77 0.0 0.0 33.2

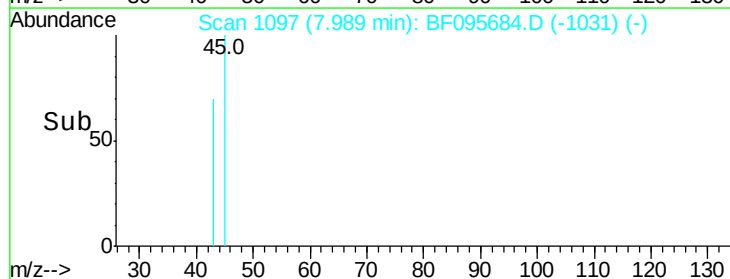
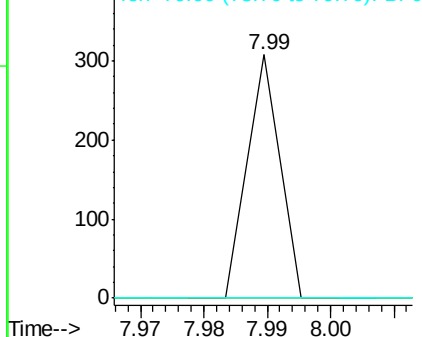
79 0.0 0.0 30.0

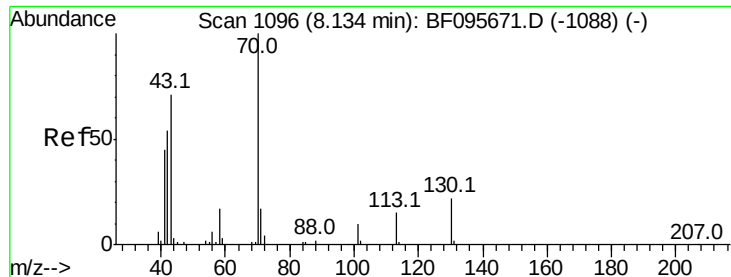


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

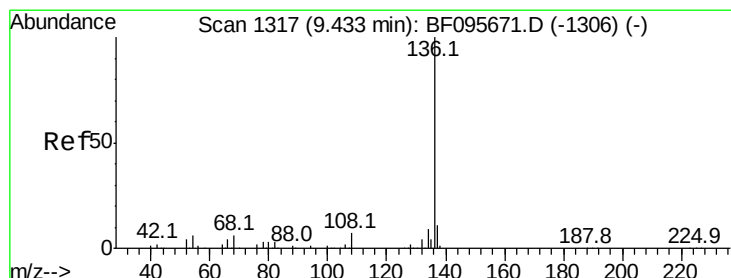
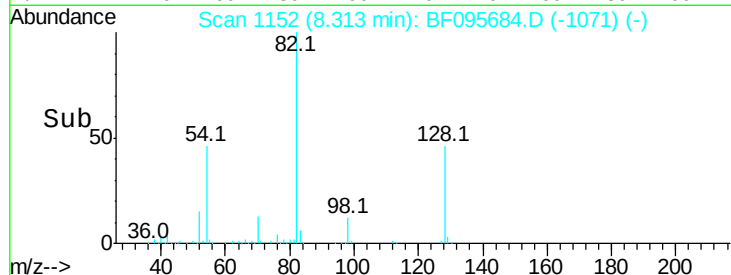
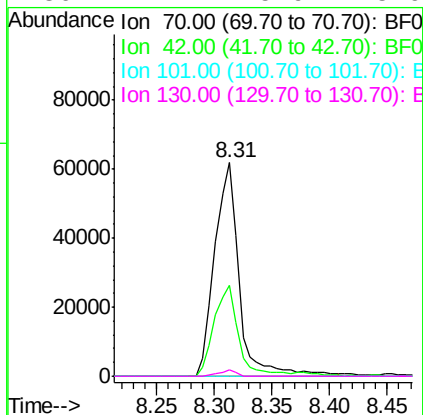
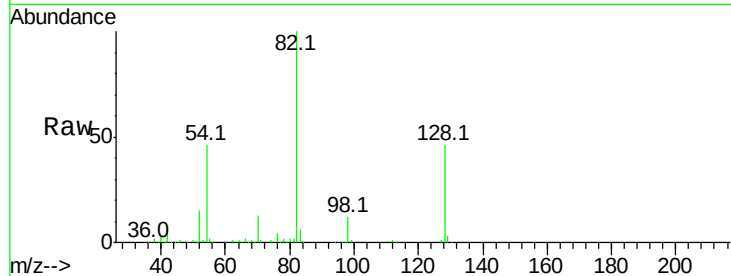




#19
n-Nitroso-di-n-propylamine
Concen: 18.94 ng
RT: 8.31 min Scan# 1152
Delta R.T. 0.18 min
Lab File: BF095684.D
Acq: 5 Jun 2017 21:04

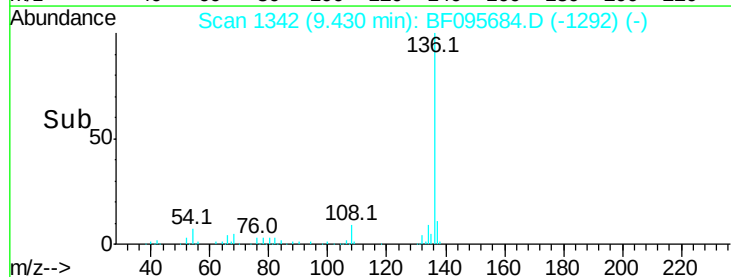
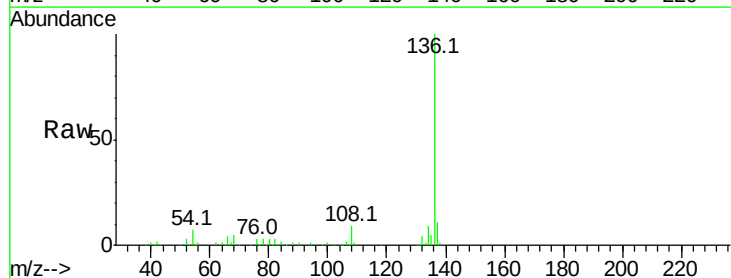
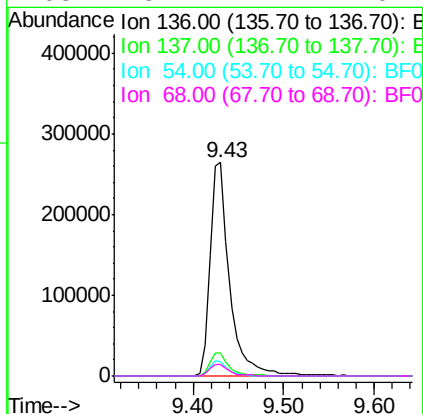
Instrument :
BNA_F
ClientSampleId :

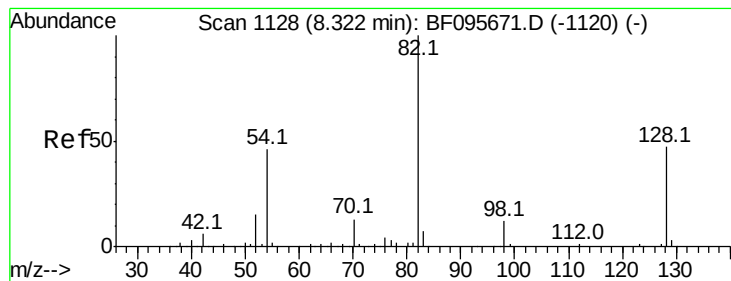
Tot Ion: 70 Resp: 91858
Ion Ratio Lower Upper
70 100
42 42.6 47.2 70.8#
101 0.0 7.2 10.8#
130 2.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.43 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF095684.D
Acq: 5 Jun 2017 21:04

Tgt Ion: 136 Resp: 399049
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 6.7 4.9 7.3
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 110.84 ng

RT: 8.31 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

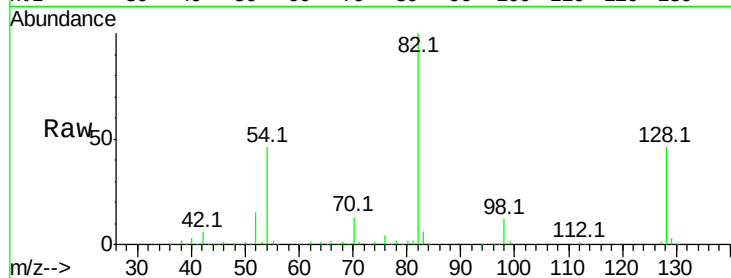
Tot Ion: 82 Resp: 712209

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

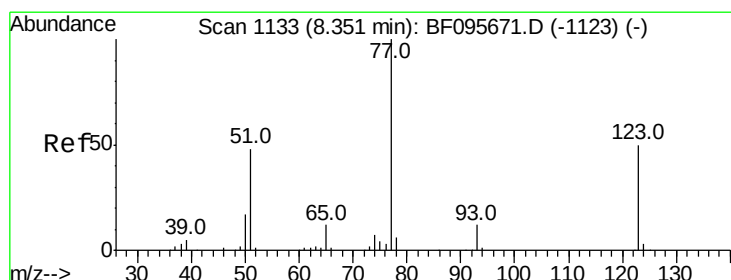
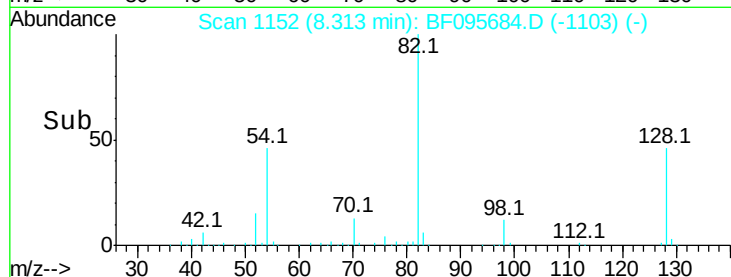
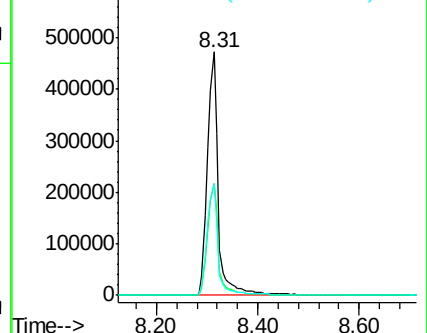
54 45.9 42.2 63.2



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: 0.24 ng

RT: 8.31 min Scan# 1152

Delta R.T. -0.04 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

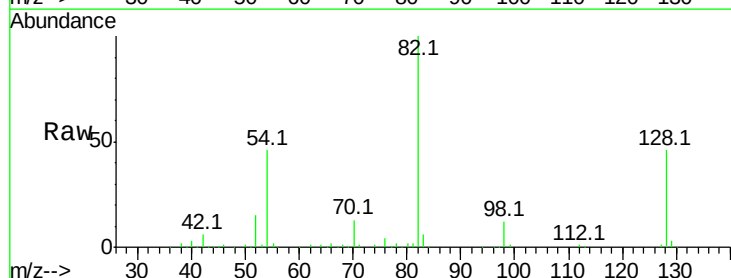
Tgt Ion: 77 Resp: 1643

Ion Ratio Lower Upper

77 100

123 0.0 35.8 53.8#

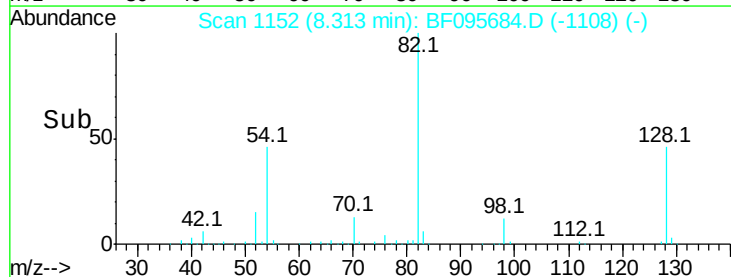
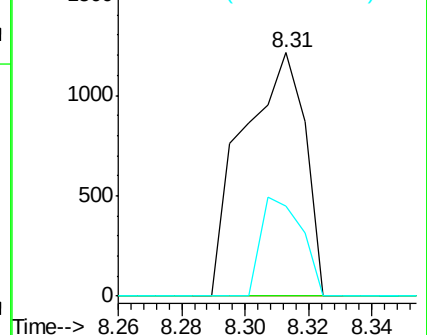
65 36.8 10.6 15.8#

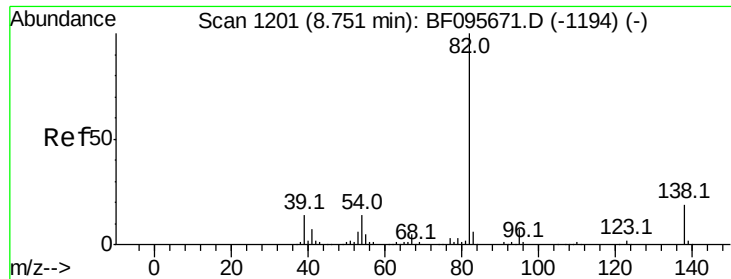


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 0.03 ng

RT: 8.74 min Scan# 1225

Delta R.T. -0.01 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

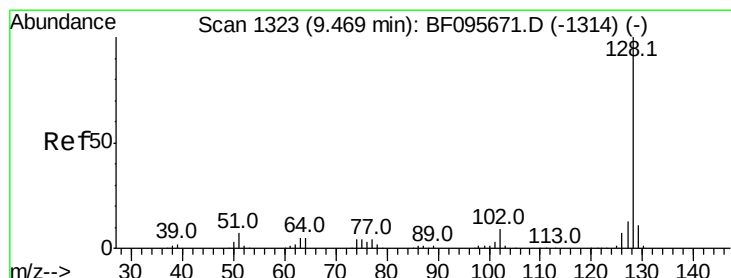
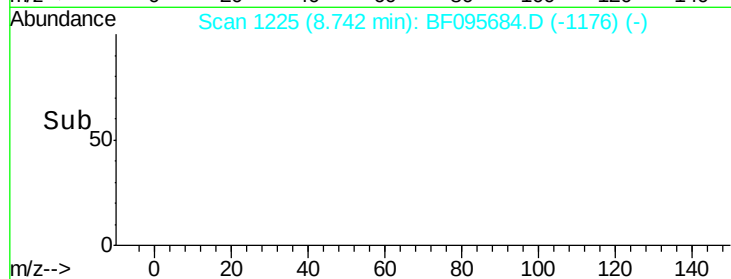
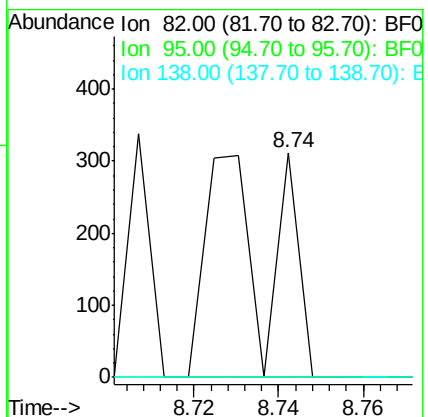
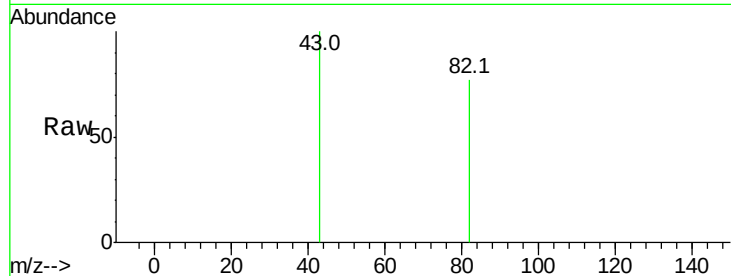
Tot Ion: 82 Resp: 326

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#31

Naphthalene

Concen: 0.16 ng

RT: 9.47 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

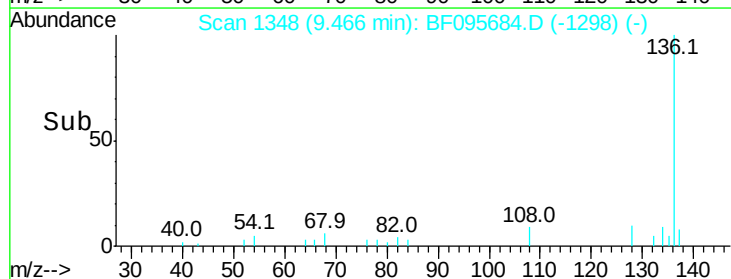
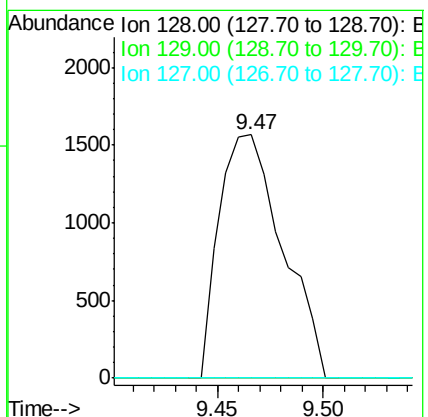
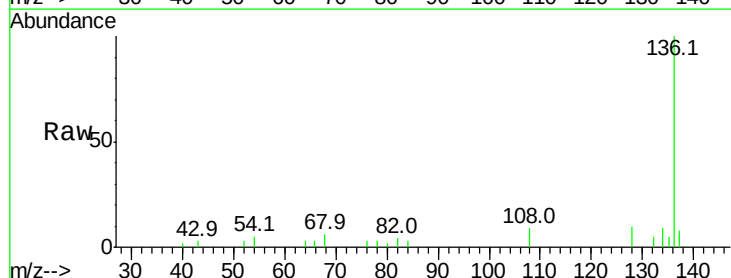
Tgt Ion: 128 Resp: 3276

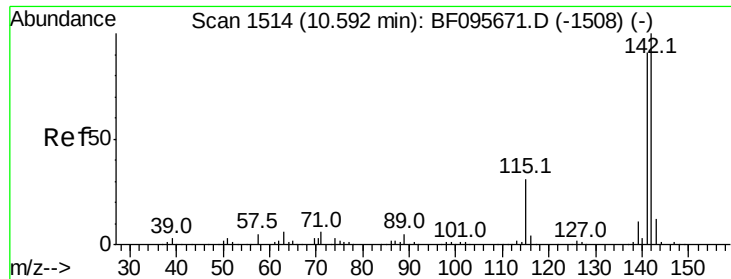
Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.6#

127 0.0 10.8 16.2#

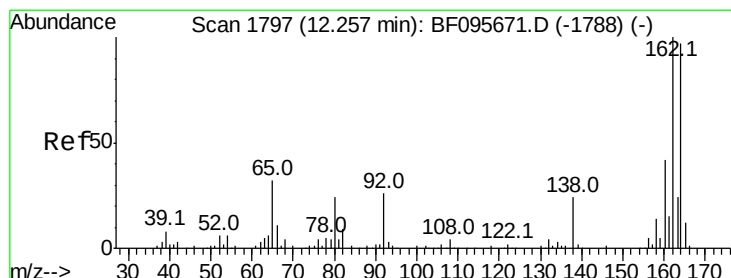
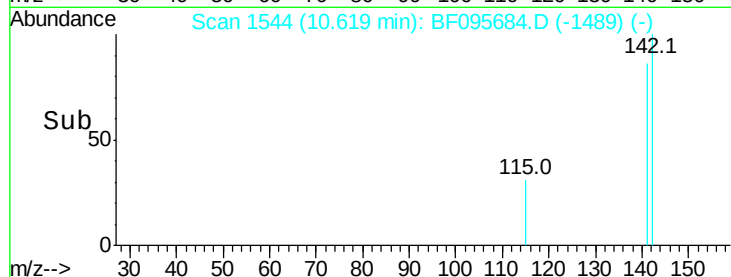
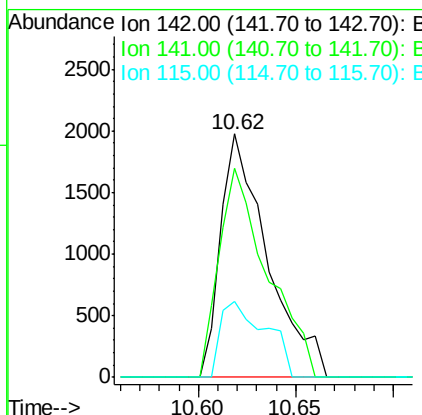
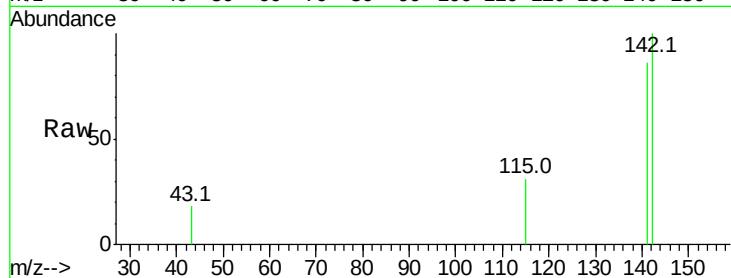




#37
2-Methylnaphthalene
Concen: 0.24 ng
RT: 10.62 min Scan# 1544
Delta R.T. 0.03 min
Lab File: BF095684.D
Acq: 5 Jun 2017 21:04

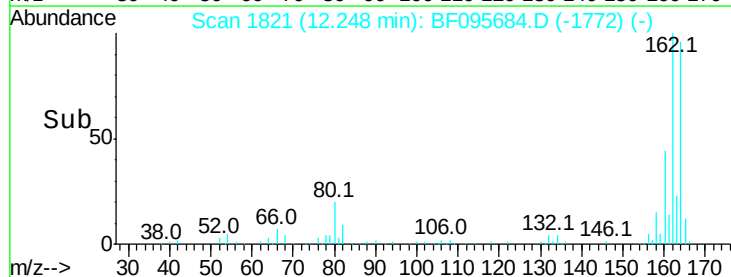
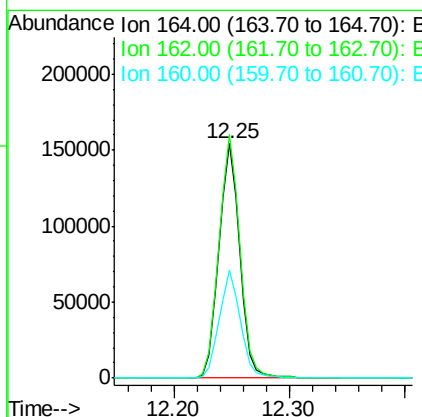
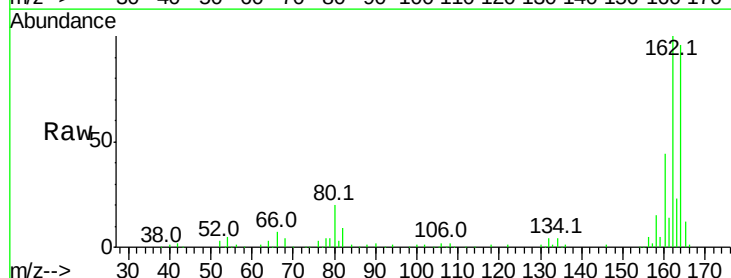
Instrument :
BNA_F
ClientSampled :

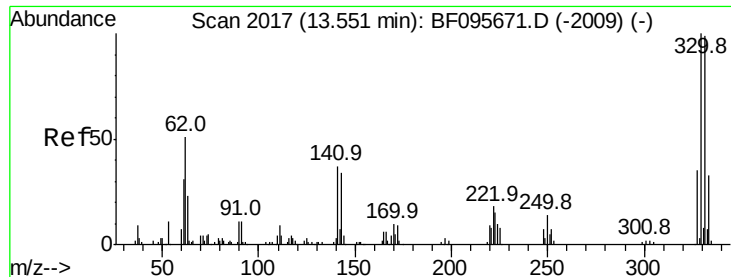
Tot Ion:142 Resp: 3286
Ion Ratio Lower Upper
142 100
141 85.6 71.3 106.9
115 31.4 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.25 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF095684.D
Acq: 5 Jun 2017 21:04

Tgt Ion:164 Resp: 193629
Ion Ratio Lower Upper
164 100
162 103.8 82.6 123.8
160 46.2 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 140.81 ng

RT: 13.55 min Scan# 2042

Delta R.T. -0.00 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

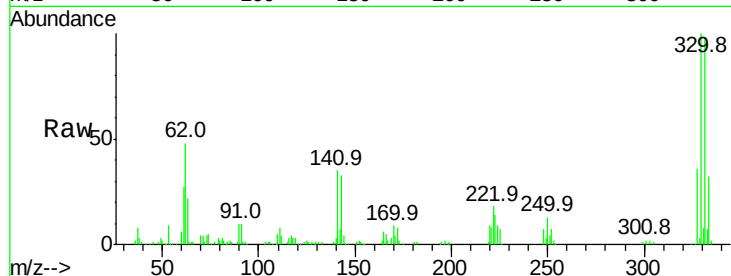
Tot Ion:330 Resp: 241239

Ion Ratio Lower Upper

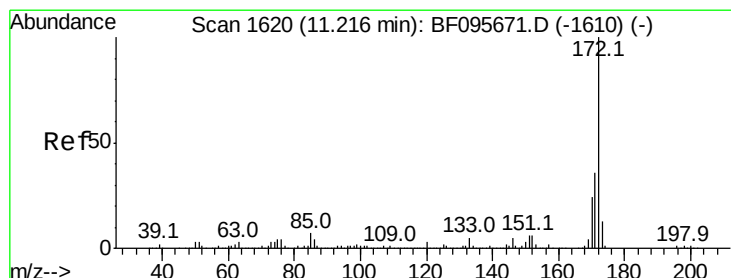
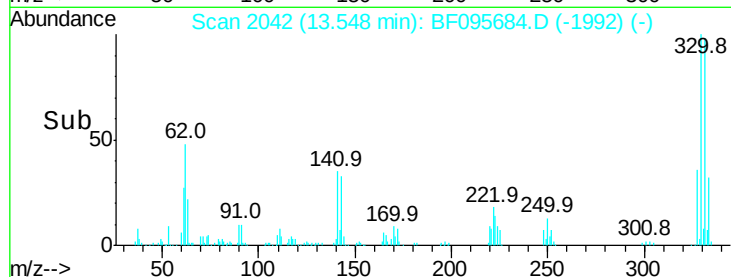
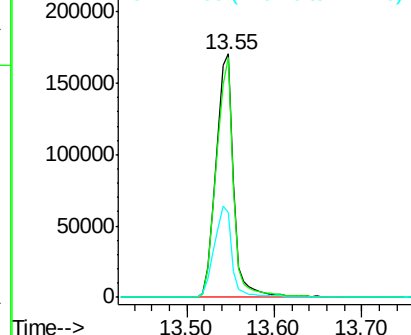
330 100

332 95.8 76.6 115.0

141 38.3 31.4 47.2



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



#44

2-Fluorobiphenyl

Concen: 83.23 ng

RT: 11.21 min Scan# 1644

Delta R.T. -0.01 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

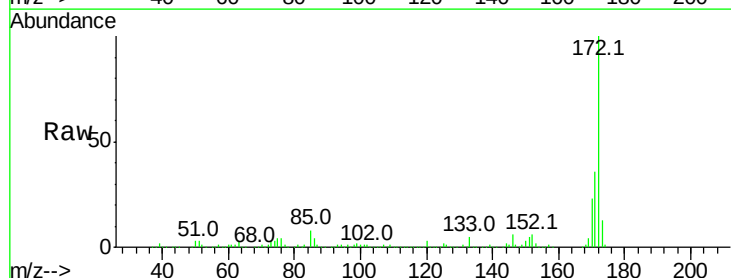
Tgt Ion:172 Resp: 1158065

Ion Ratio Lower Upper

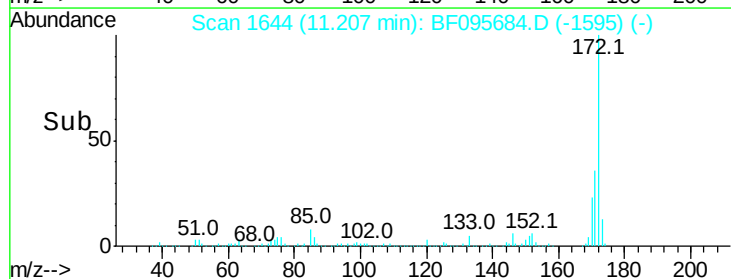
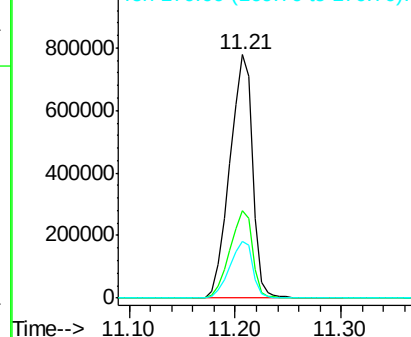
172 100

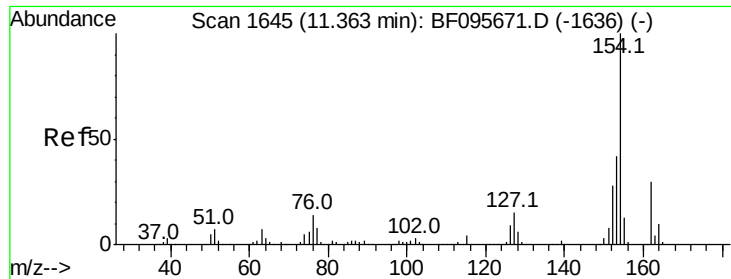
171 36.0 29.6 44.4

170 23.4 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: 0.13 ng

RT: 11.38 min Scan# 1674

Delta R.T. 0.02 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

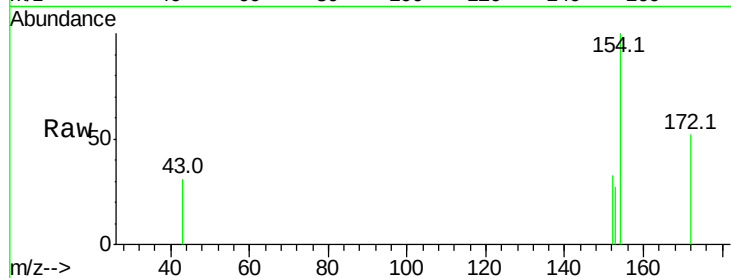
Instrument :

BNA_F

ClientSampleId :

Tot Ion:154 Resp: 2061

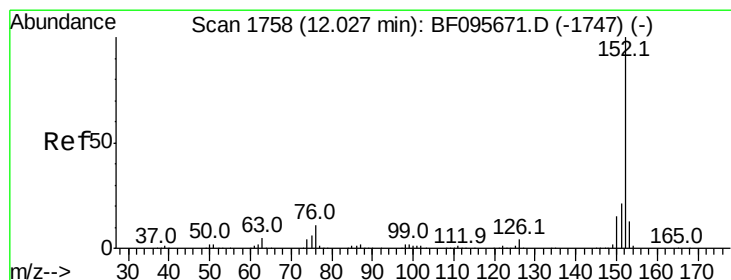
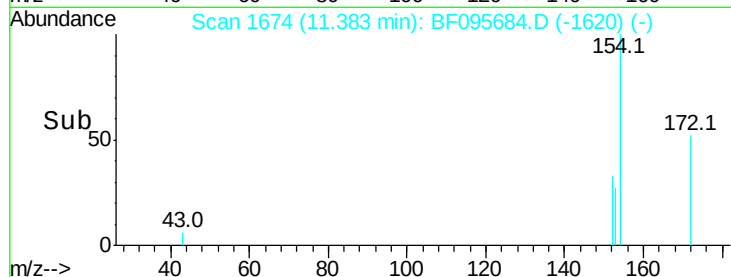
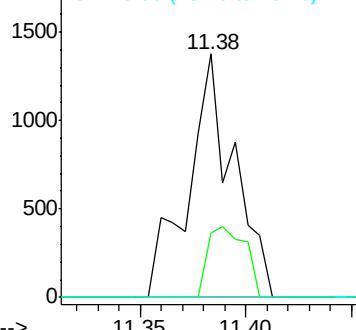
Ion	Ratio	Lower	Upper
154	100		
153	26.7	21.2	61.2
76	0.0	0.0	29.9



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



#48

Acenaphthylene

Concen: 0.01 ng

RT: 11.75 min Scan# 1736

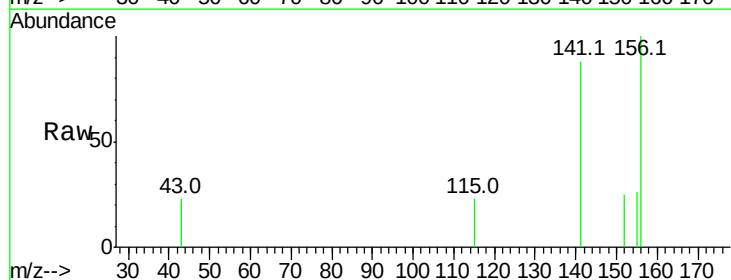
Delta R.T. -0.28 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Tgt Ion:152 Resp: 121

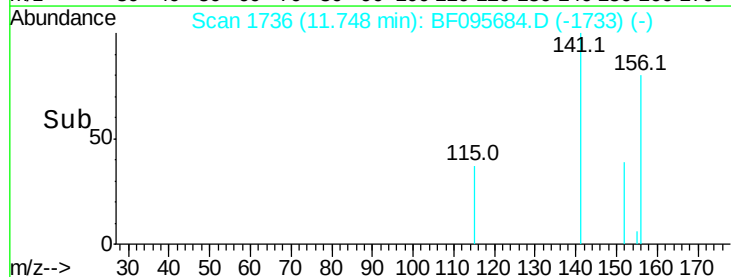
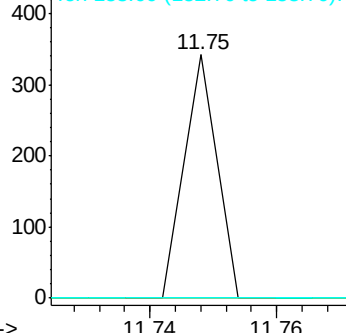
Ion	Ratio	Lower	Upper
152	100		
151	0.0	16.8	25.2#
153	0.0	10.8	16.2#

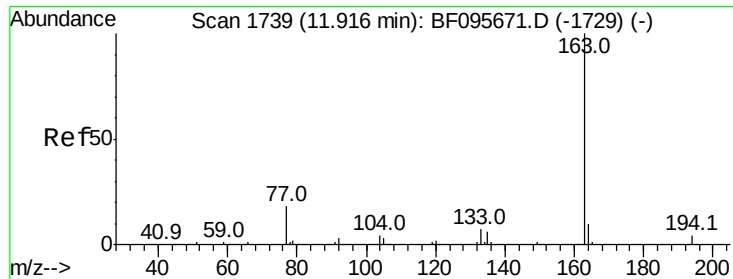


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 7.46 ng

RT: 11.90 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

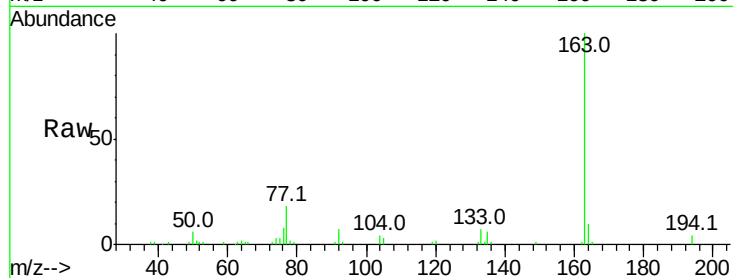
Tot Ion:163 Resp: 109643

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

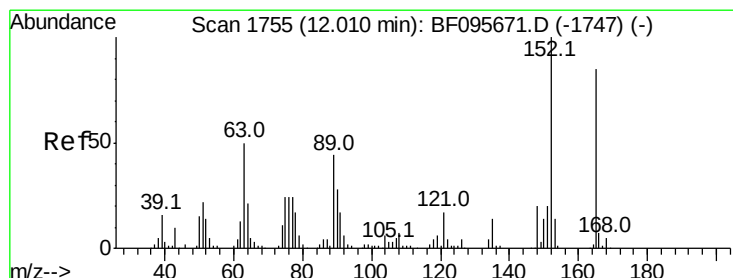
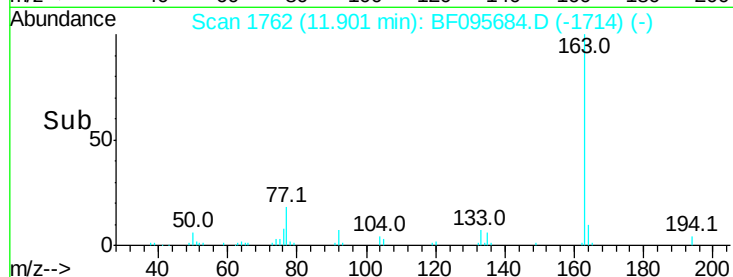
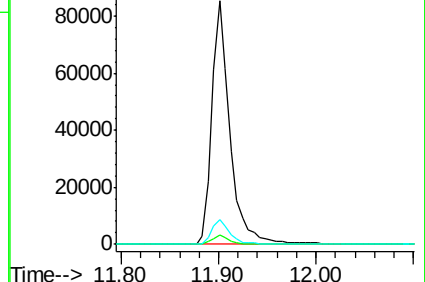
164 10.0 8.4 12.6



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: 0.31 ng

RT: 11.90 min Scan# 1762

Delta R.T. -0.11 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

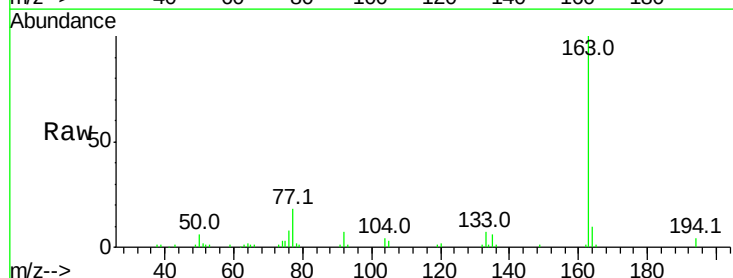
Tgt Ion:165 Resp: 990

Ion Ratio Lower Upper

165 100

63 115.8 34.3 51.5#

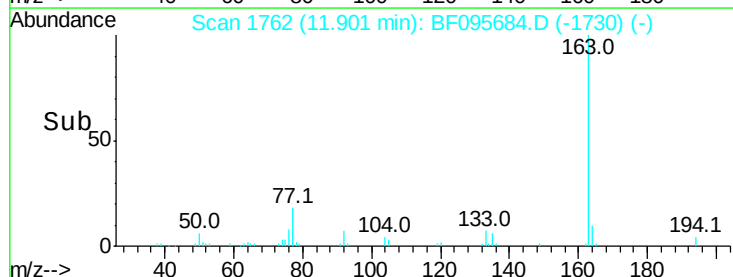
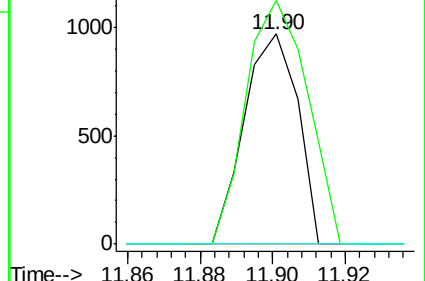
89 0.0 37.1 55.7#

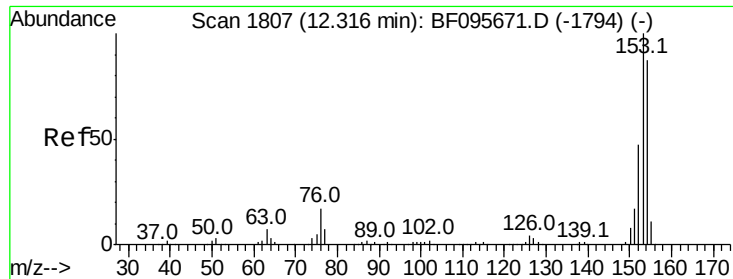


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.07 ng

RT: 12.30 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

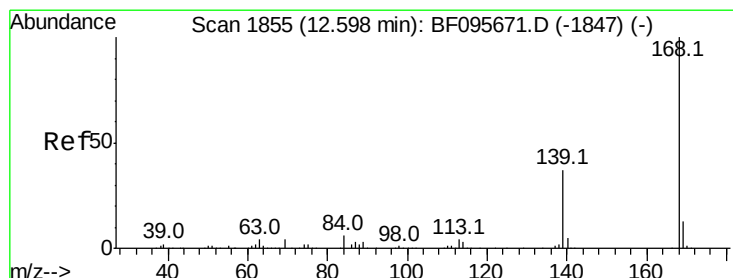
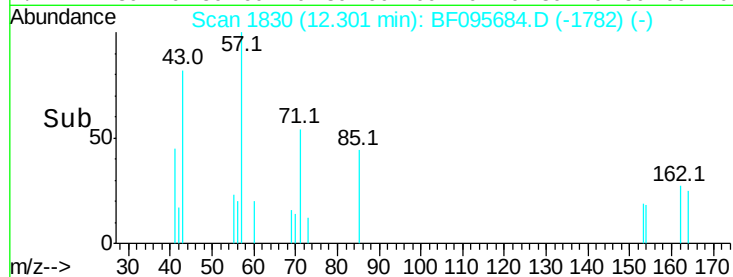
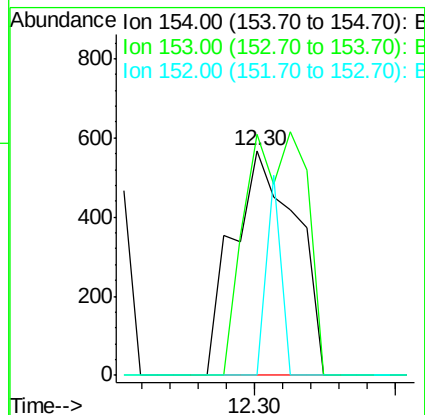
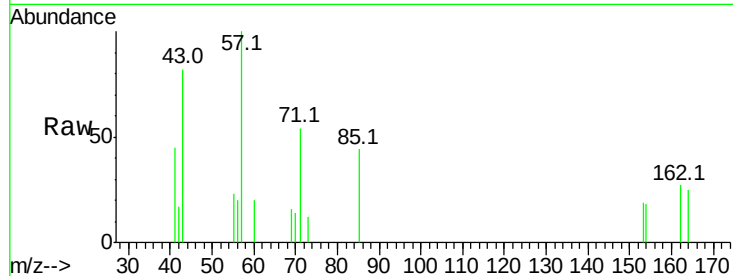
Tot Ion:154 Resp: 882

Ion Ratio Lower Upper

154 100

153 107.2 90.5 135.7

152 0.0 43.6 65.4#



#54

Dibenzofuran

Concen: 0.12 ng

RT: 12.62 min Scan# 1885

Delta R.T. 0.03 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

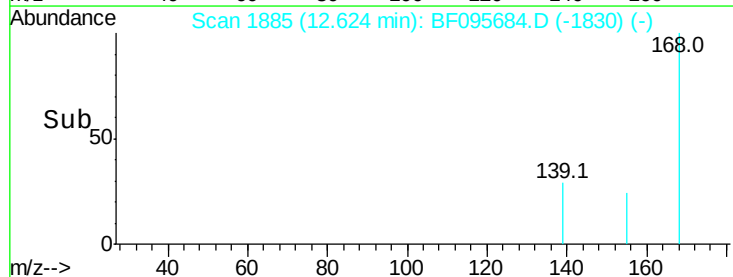
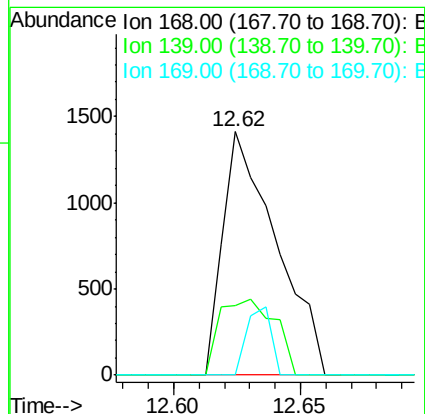
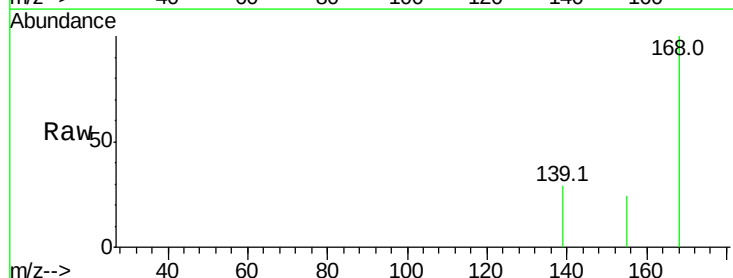
Tgt Ion:168 Resp: 2076

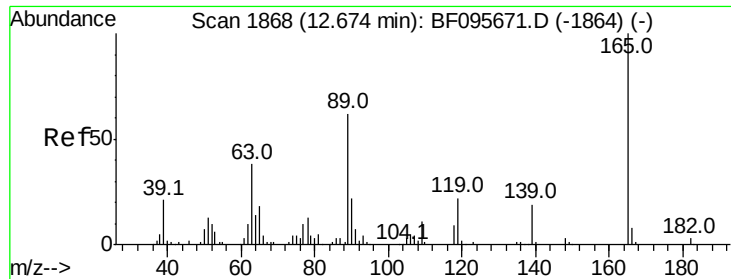
Ion Ratio Lower Upper

168 100

139 28.8 30.6 45.8#

169 0.0 10.8 16.2#





#55

4-Nitrophenol

Concen: 4.92 ng

RT: 12.63 min Scan# 1886

Delta R.T. -0.04 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

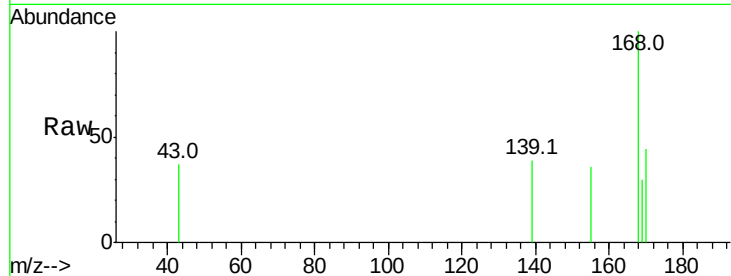
Tot Ion:139 Resp: 670

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

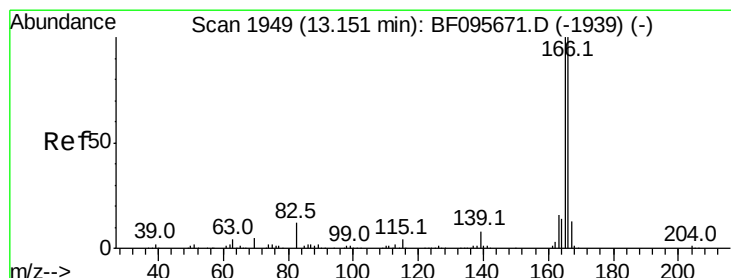
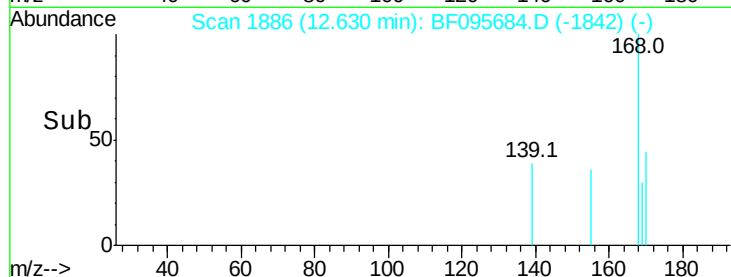
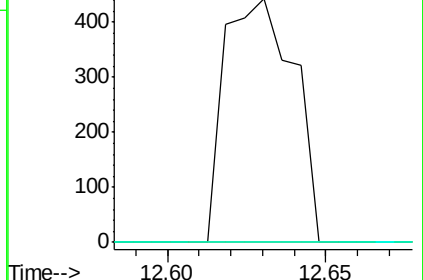
65 0.0 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#57

Fluorene

Concen: 0.06 ng

RT: 13.16 min Scan# 1976

Delta R.T. 0.01 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

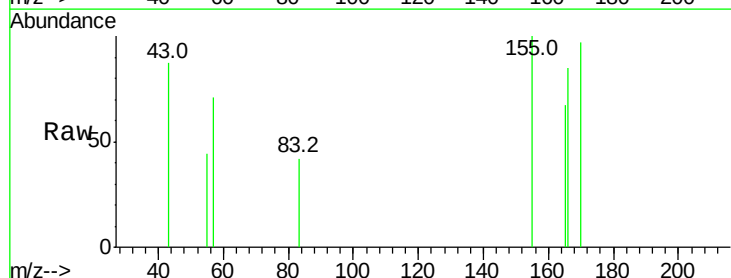
Tgt Ion:166 Resp: 833

Ion Ratio Lower Upper

166 100

165 79.2 78.8 118.2

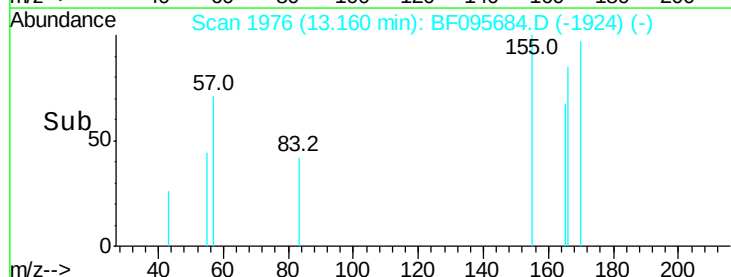
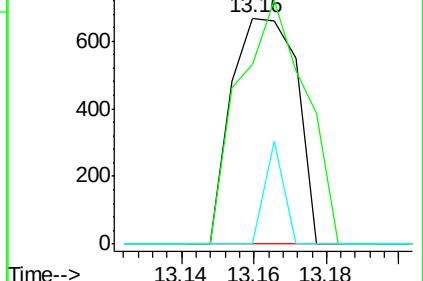
167 0.0 10.6 16.0#

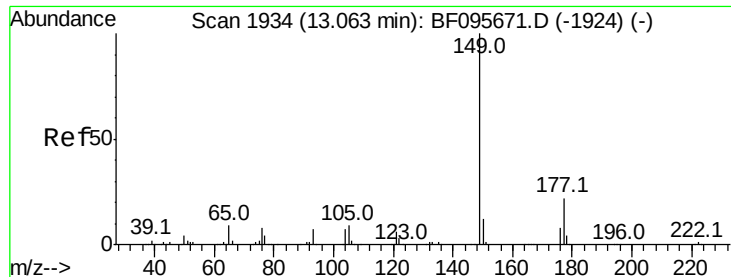


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

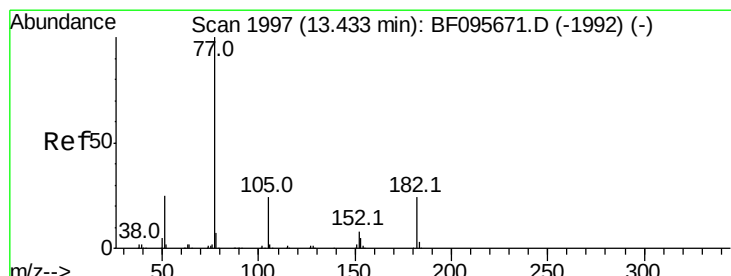
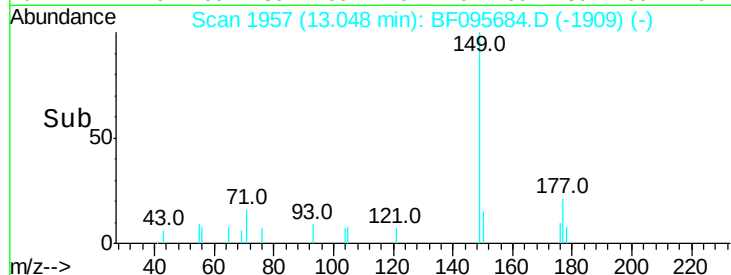
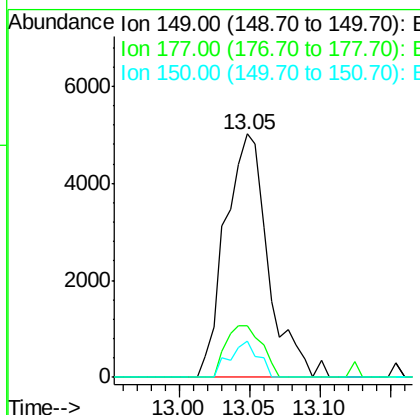
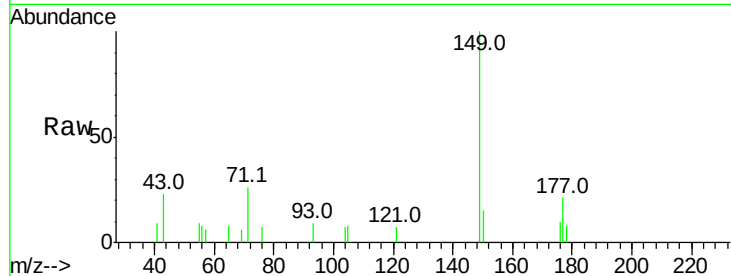




#59
Diethylphthalate
Concen: 0.75 ng
RT: 13.05 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BF095684.D
Acq: 5 Jun 2017 21:04

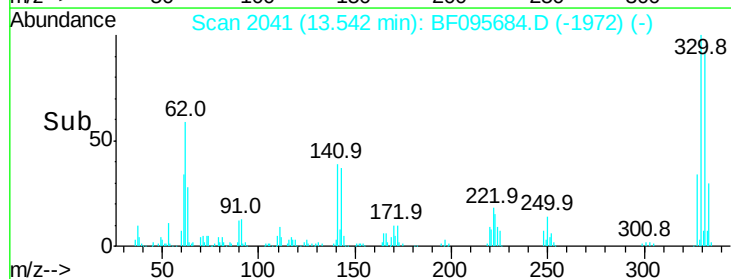
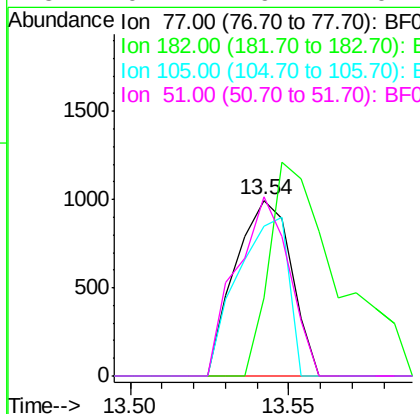
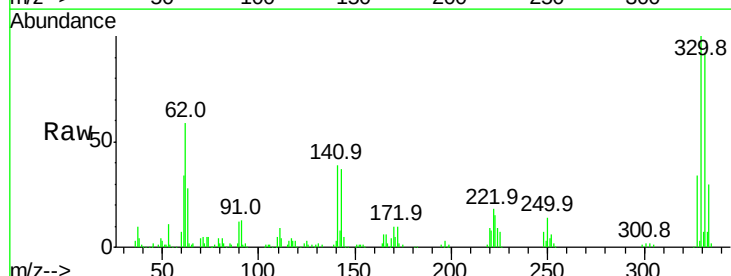
Instrument :
BNA_F
ClientSampleId :

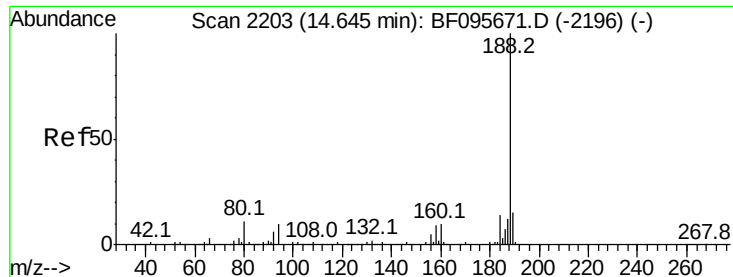
Tot Ion:149 Resp: 10637
Ion Ratio Lower Upper
149 100
177 21.0 16.7 25.1
150 14.7 10.2 15.2



#62
Azobenzene
Concen: 0.10 ng
RT: 13.54 min Scan# 2041
Delta R.T. 0.11 min
Lab File: BF095684.D
Acq: 5 Jun 2017 21:04

Tgt Ion: 77 Resp: 1222
Ion Ratio Lower Upper
77 100
182 44.5 0.1 40.1#
105 85.4 3.6 43.6#
51 102.1 9.4 49.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.64 min Scan# 2228

Delta R.T. -0.00 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

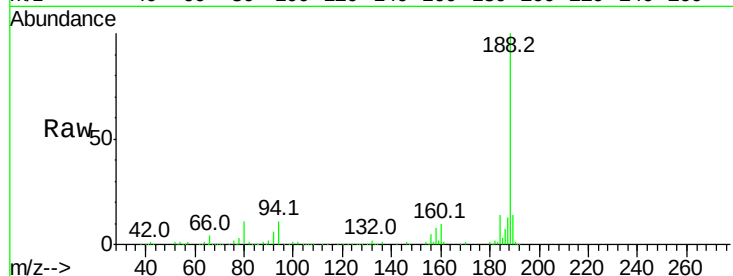
Tot Ion:188 Resp: 365469

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

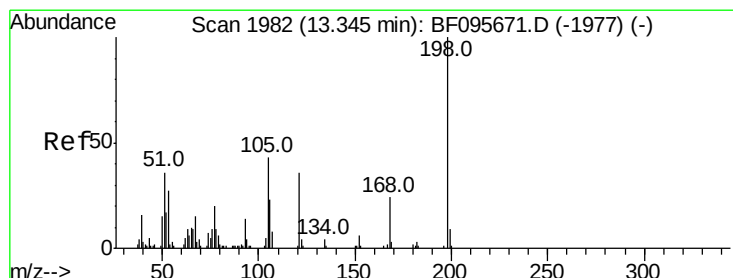
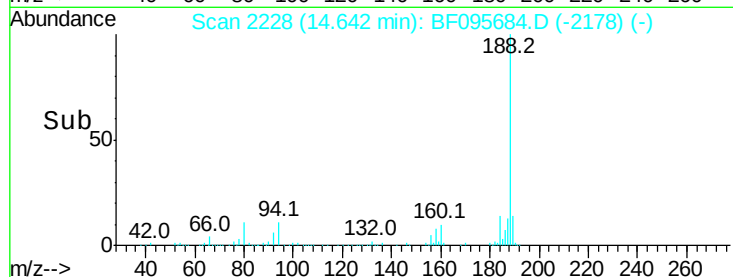
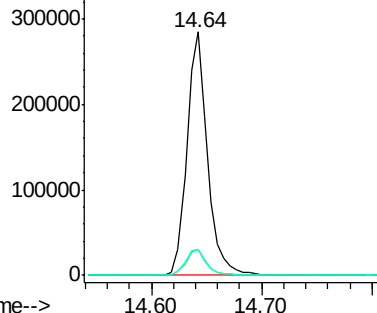
80 10.9 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 0.19 ng

RT: 13.54 min Scan# 2041

Delta R.T. 0.20 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

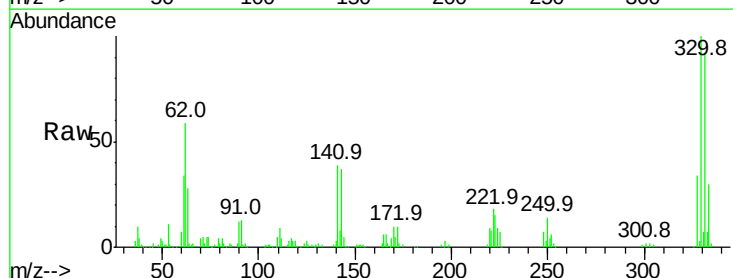
Tgt Ion:198 Resp: 449

Ion Ratio Lower Upper

198 100

51 212.8 53.2 93.2#

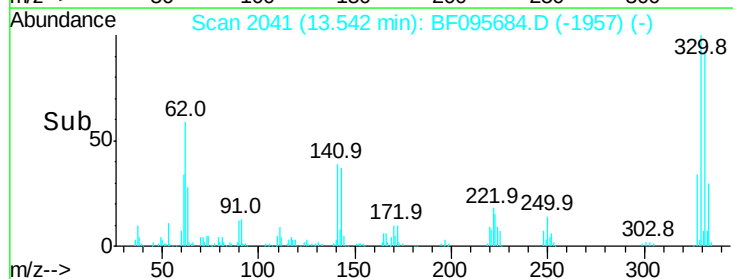
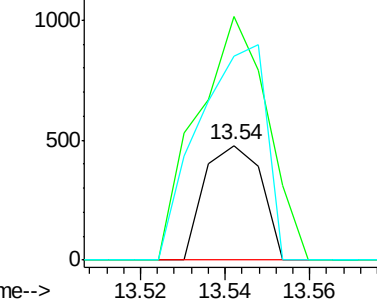
105 178.0 45.8 85.8#

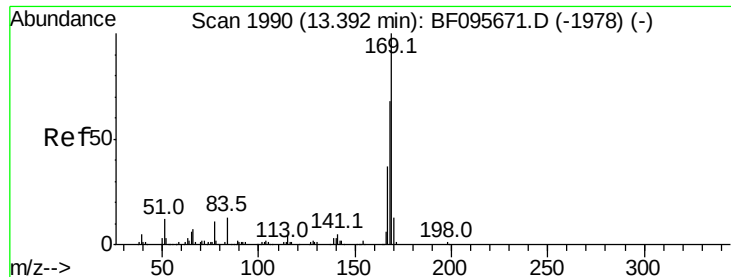


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 0.66 ng

RT: 13.54 min Scan# 2041

Delta R.T. 0.15 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

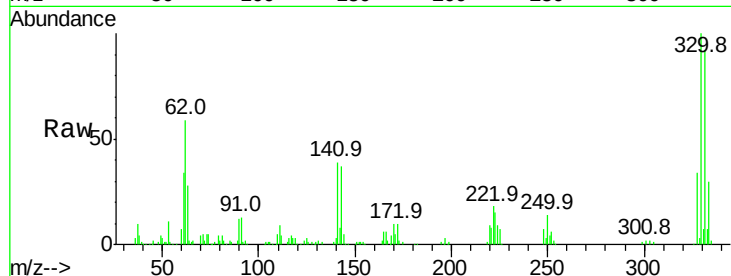
Tot Ion:169 Resp: 8703

Ion Ratio Lower Upper

169 100

168 7.7 53.2 79.8#

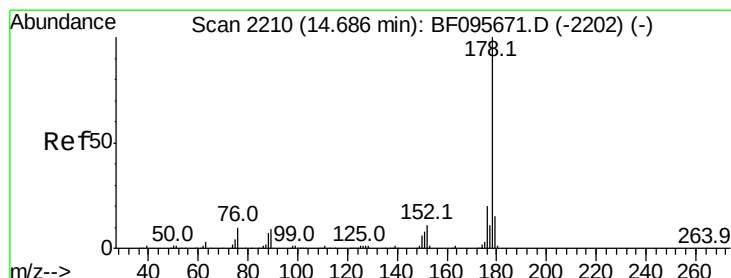
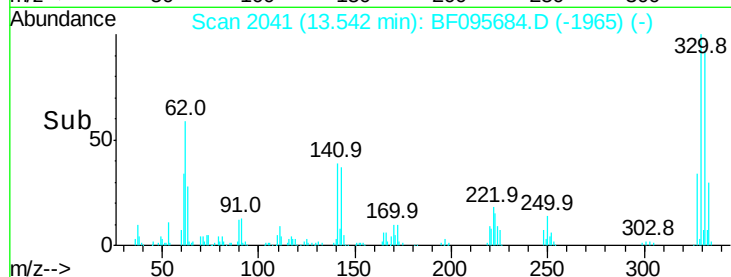
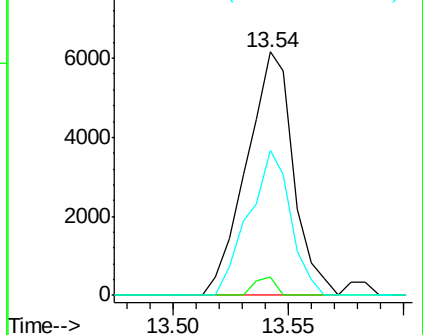
167 59.4 29.5 44.3#



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: 0.77 ng

RT: 14.68 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

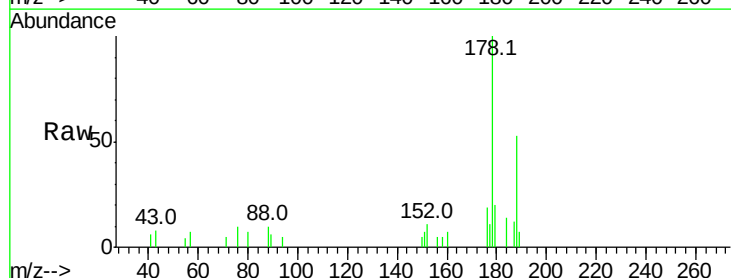
Tgt Ion:178 Resp: 16235

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

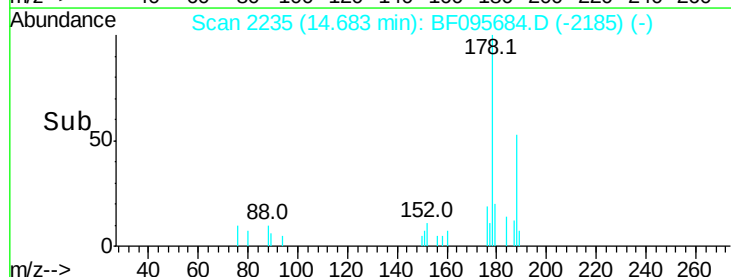
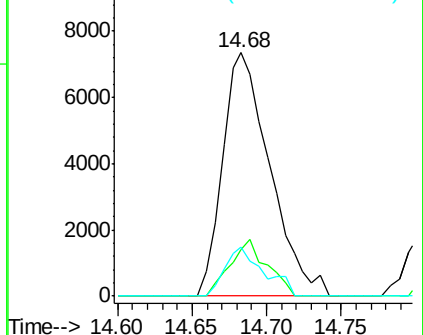
179 20.0 12.6 19.0#

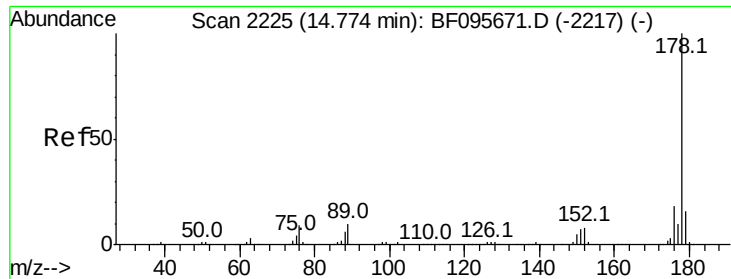


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.15 ng

RT: 14.80 min Scan# 2255

Delta R.T. 0.03 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

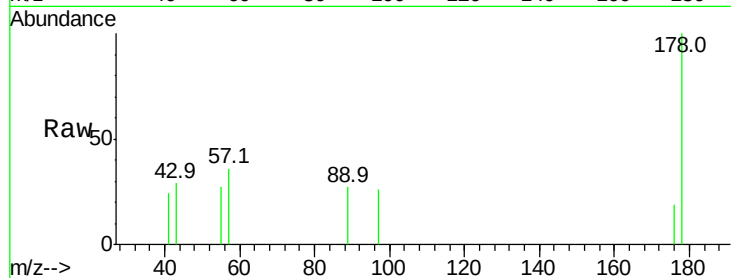
Tot Ion:178 Resp: 3236

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

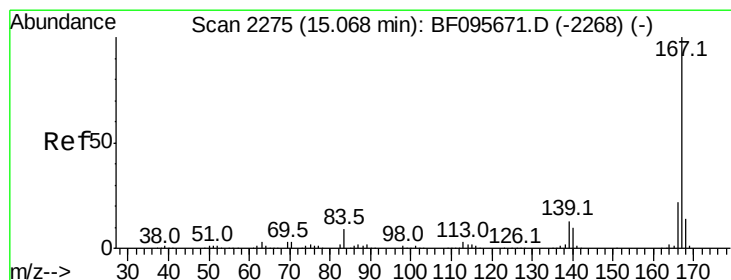
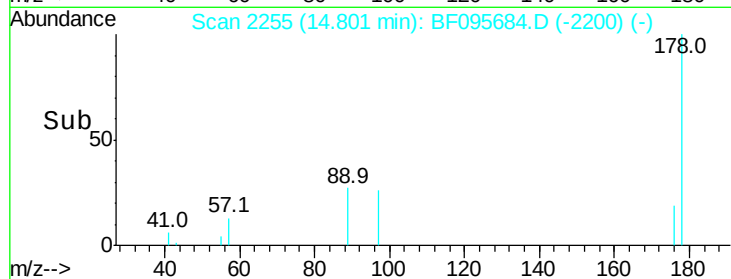
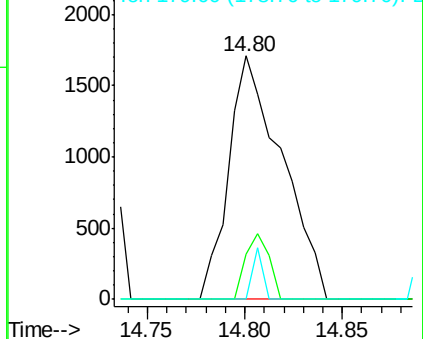
179 0.0 12.7 19.1#



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



#72

Carbazole

Concen: 0.06 ng

RT: 15.12 min Scan# 2309

Delta R.T. 0.05 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

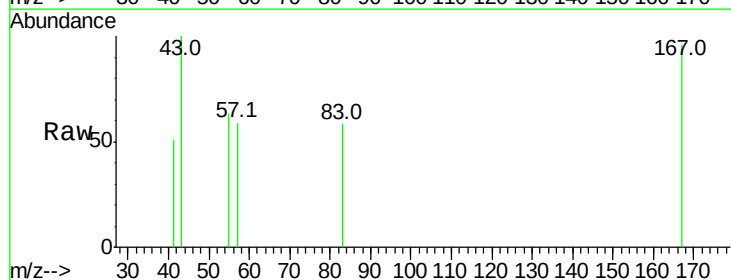
Tgt Ion:167 Resp: 1380

Ion Ratio Lower Upper

167 100

166 0.0 18.1 27.1#

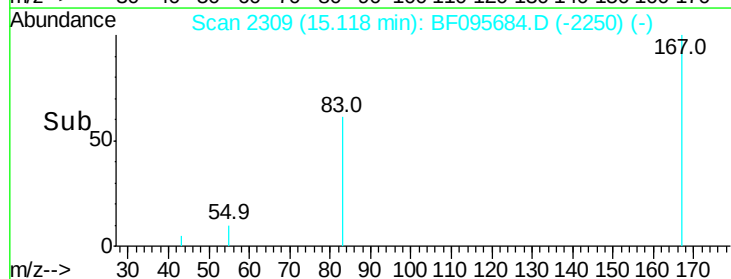
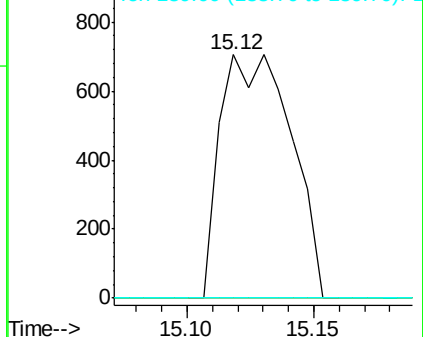
139 0.0 11.7 17.5#

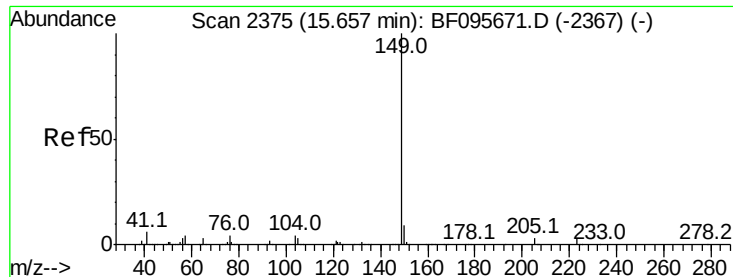


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.36 ng

RT: 15.65 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampled :

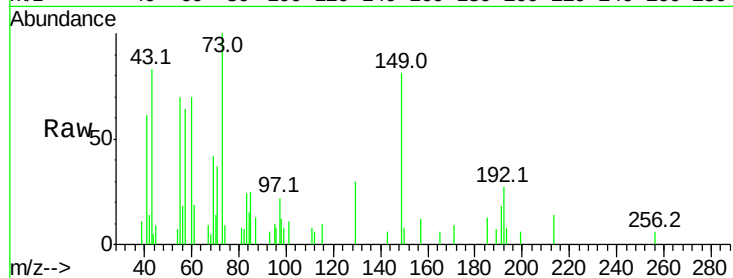
Tot Ion:149 Resp: 8249

Ion Ratio Lower Upper

149 100

150 10.4 7.7 11.5

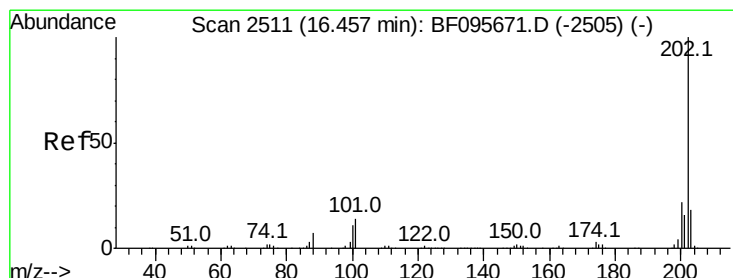
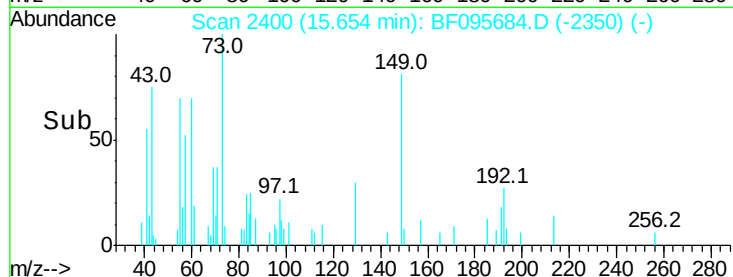
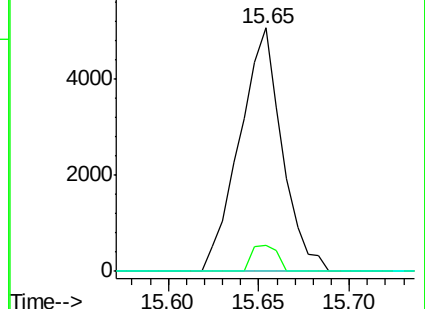
104 0.0 4.0 6.0#



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: 0.83 ng

RT: 16.47 min Scan# 2539

Delta R.T. 0.01 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

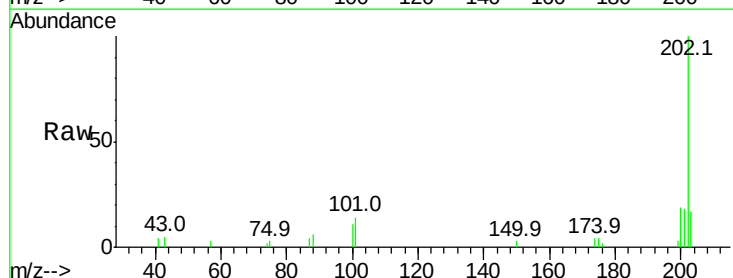
Tgt Ion:202 Resp: 17264

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

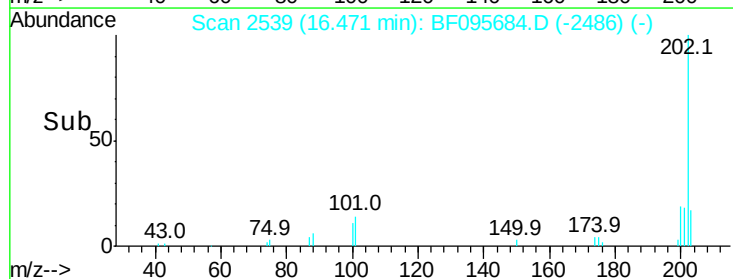
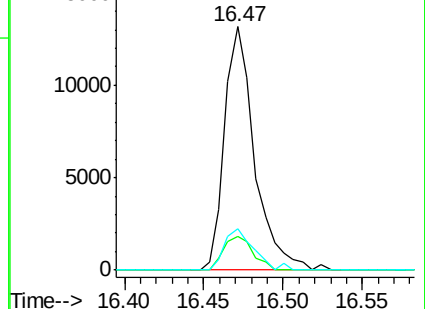
203 17.2 0.0 38.1

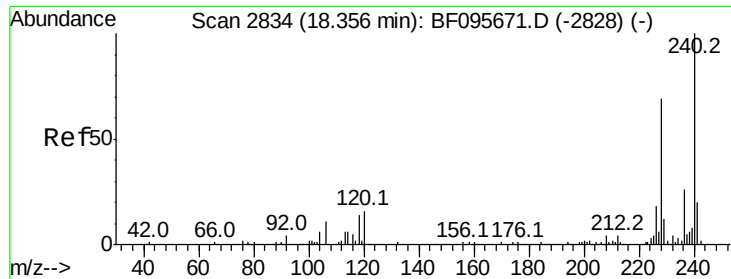


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.35 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

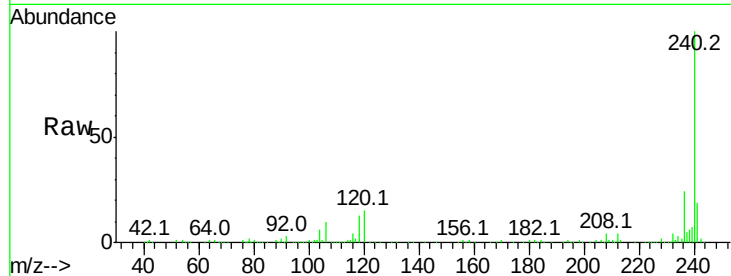
Tot Ion:240 Resp: 303818

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

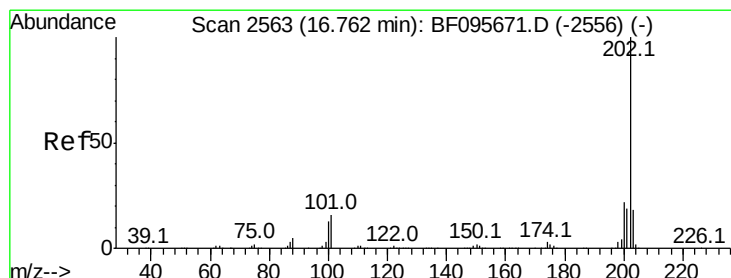
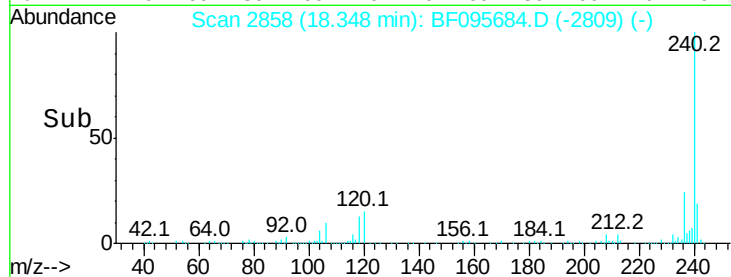
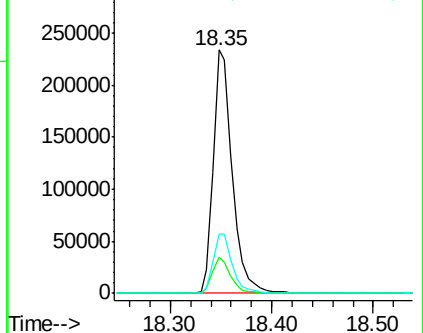
236 24.4 20.5 30.7



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: 0.69 ng

RT: 16.77 min Scan# 2590

Delta R.T. 0.01 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

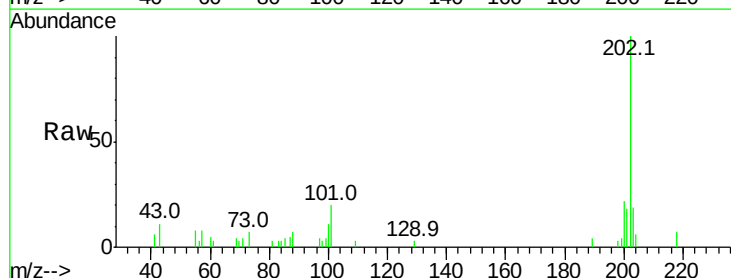
Tgt Ion:202 Resp: 15726

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

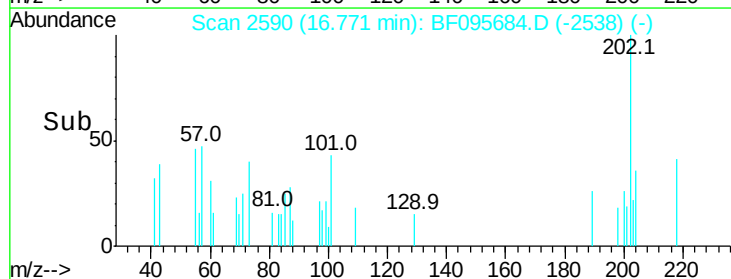
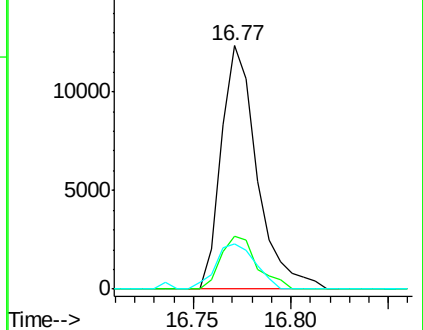
203 18.6 14.4 21.6

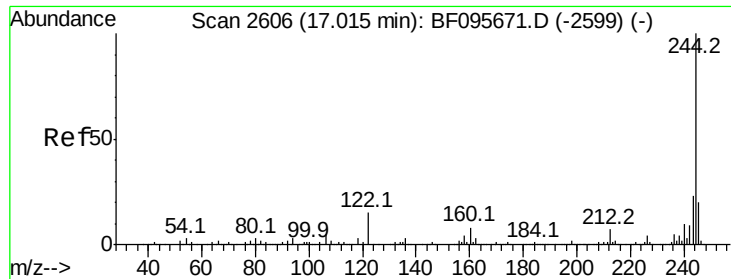


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

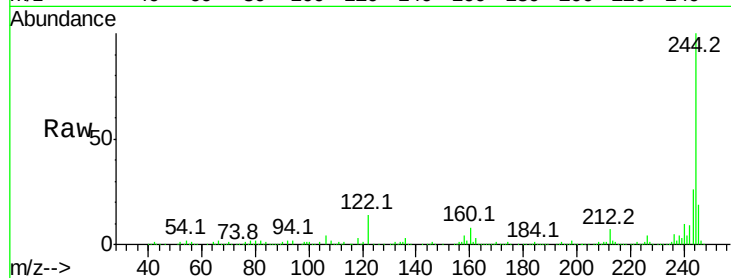




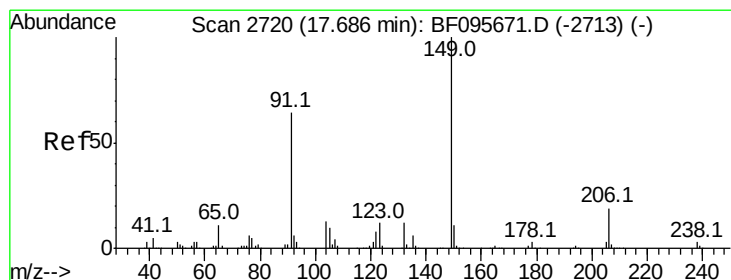
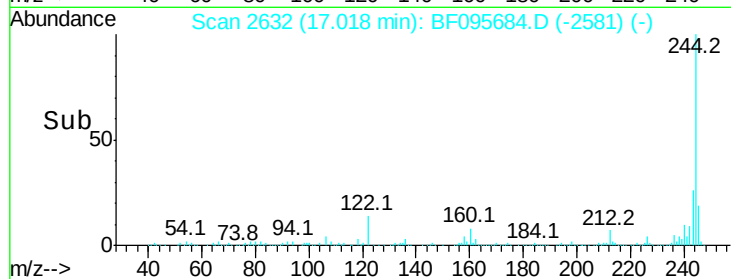
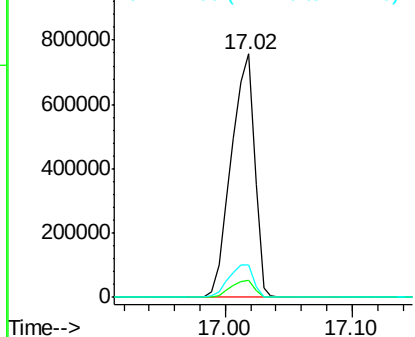
#78
 Terphenyl-d14
 Concen: 78.46 ng
 RT: 17.02 min Scan# 2632
 Delta R.T. 0.00 min
 Lab File: BF095684.D
 Acq: 5 Jun 2017 21:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 960574
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 13.5 10.3 15.5

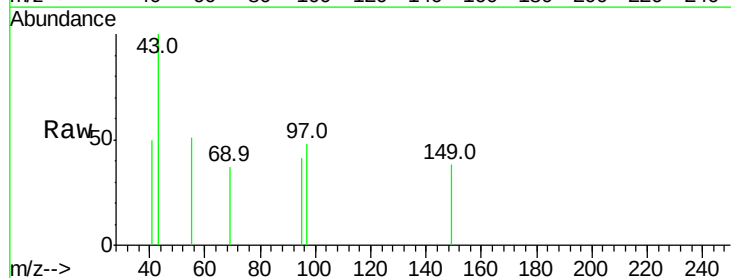


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

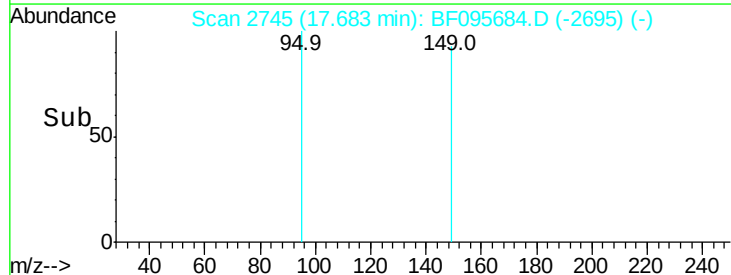
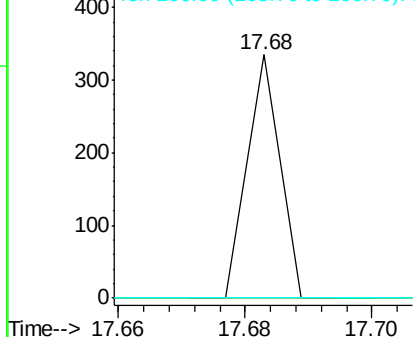


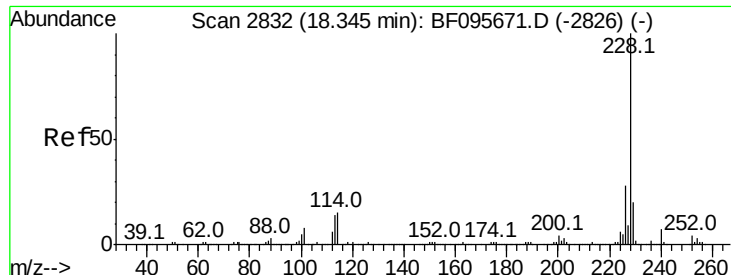
#79
 Butylbenzylphthalate
 Concen: 0.01 ng
 RT: 17.68 min Scan# 2745
 Delta R.T. -0.00 min
 Lab File: BF095684.D
 Acq: 5 Jun 2017 21:04

Tgt Ion:149 Resp: 118
 Ion Ratio Lower Upper
 149 100
 91 0.0 45.0 67.4#
 206 0.0 17.0 25.6#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.47 ng

RT: 18.34 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

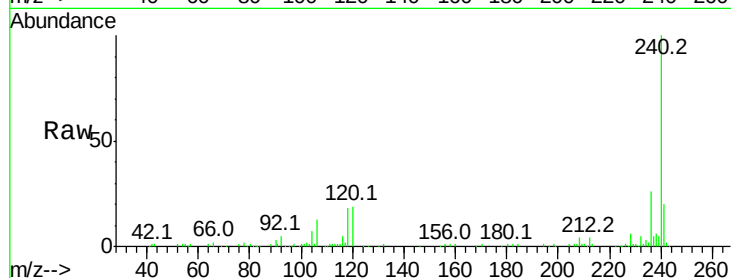
Tot Ion:228 Resp: 8343

Ion Ratio Lower Upper

228 100

226 26.2 22.6 33.8

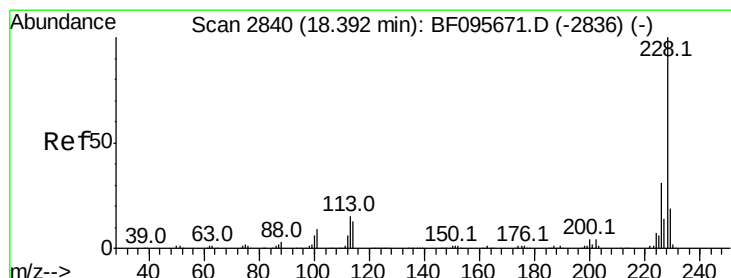
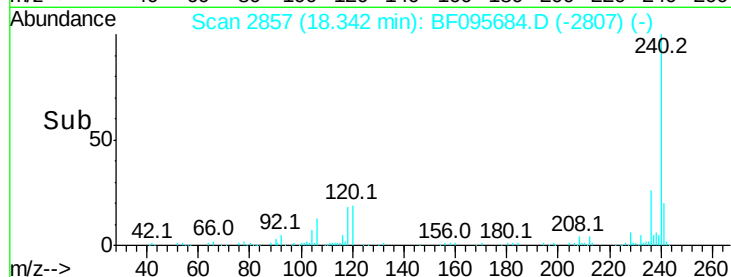
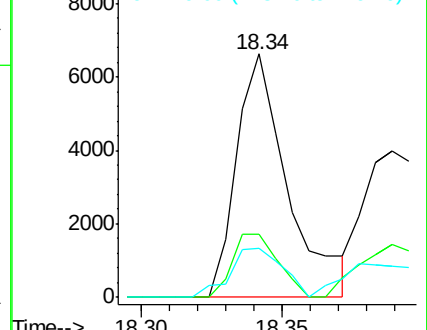
229 20.0 16.3 24.5



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: 0.41 ng

RT: 18.39 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

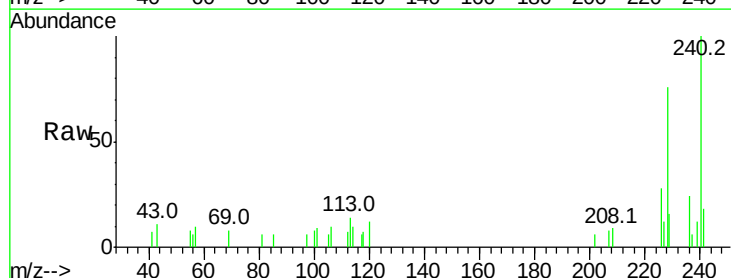
Tgt Ion:228 Resp: 7167

Ion Ratio Lower Upper

228 100

226 36.3 24.9 37.3

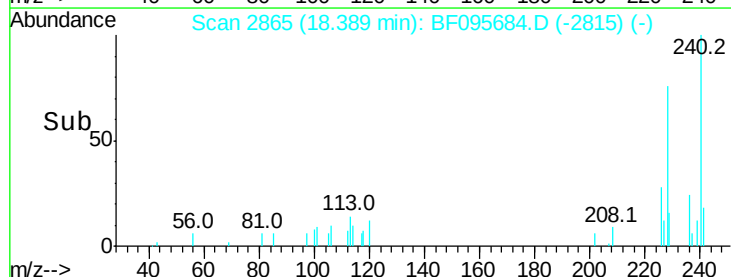
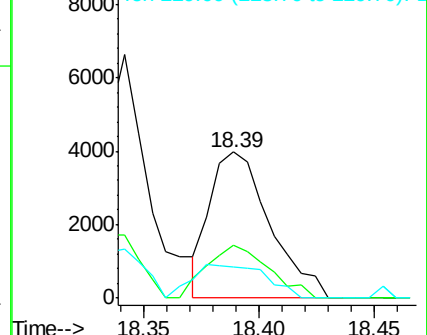
229 21.4 15.8 23.6

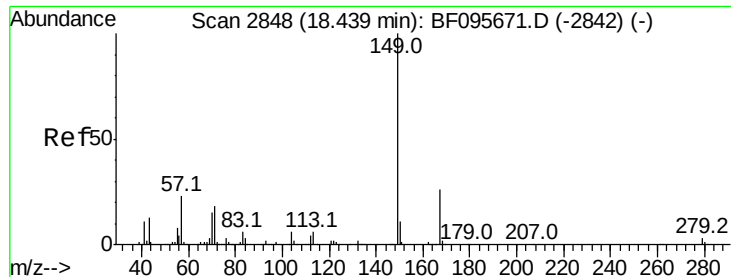


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.16 ng

RT: 18.43 min Scan# 2872

Delta R.T. -0.01 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

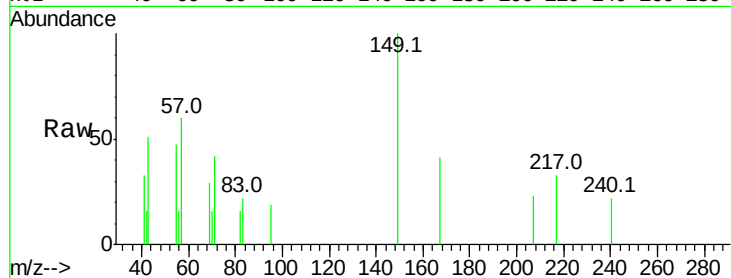
Tot Ion:149 Resp: 2225

Ion Ratio Lower Upper

149 100

167 41.4 21.0 31.4#

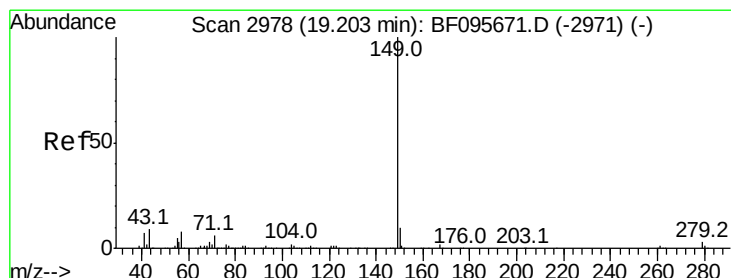
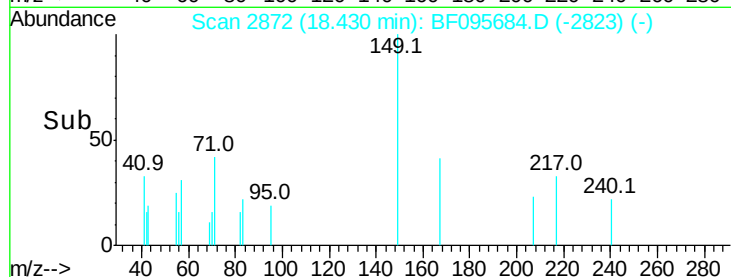
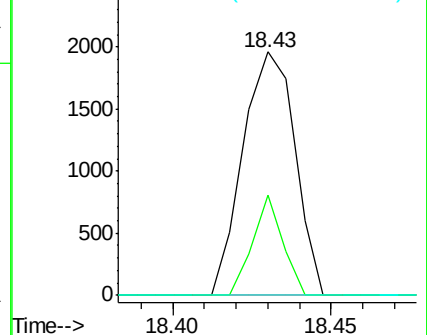
279 0.0 1.9 2.9#



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: 0.02 ng

RT: 19.24 min Scan# 3010

Delta R.T. 0.04 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

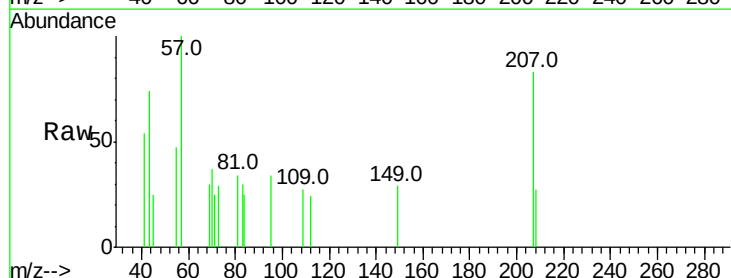
Tgt Ion:149 Resp: 350

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

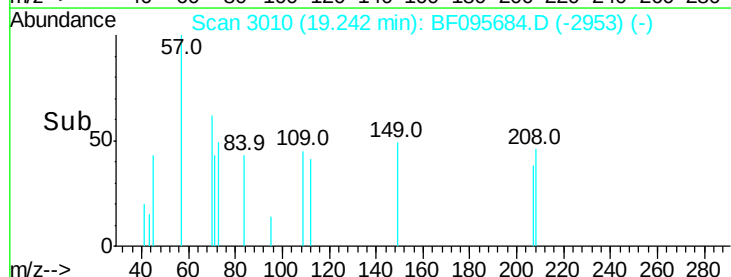
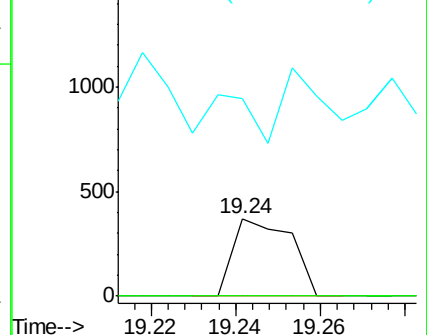
43 70.3 8.5 12.7#

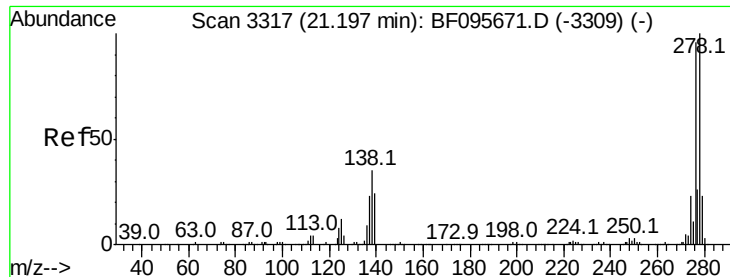


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

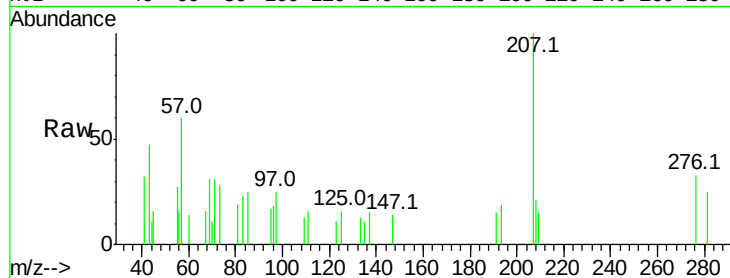




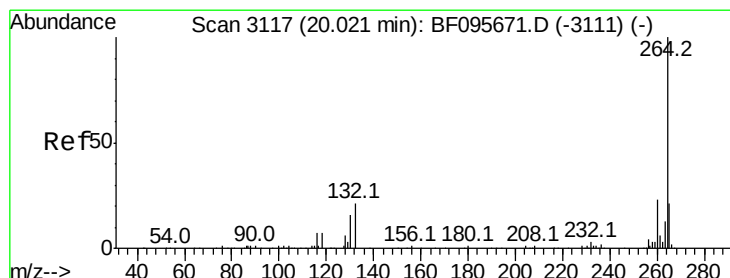
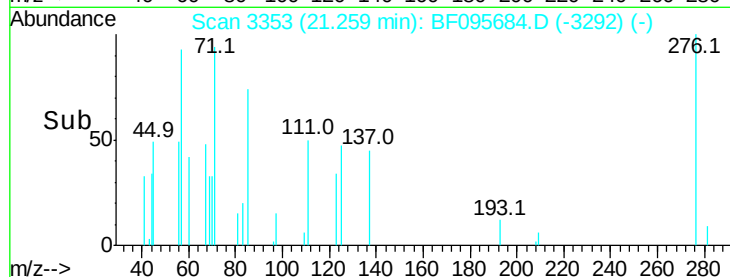
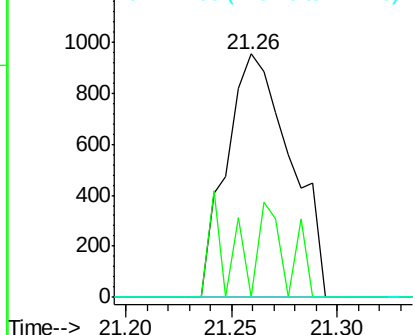
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.13 ng
 RT: 21.26 min Scan# 3353
 Delta R.T. 0.06 min
 Lab File: BF095684.D
 Acq: 5 Jun 2017 21:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 2009
 Ion Ratio Lower Upper
 276 100
 138 17.3 27.8 41.6#
 277 0.0 20.2 30.4#

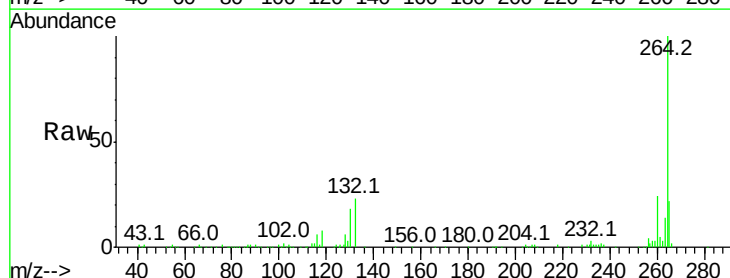


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

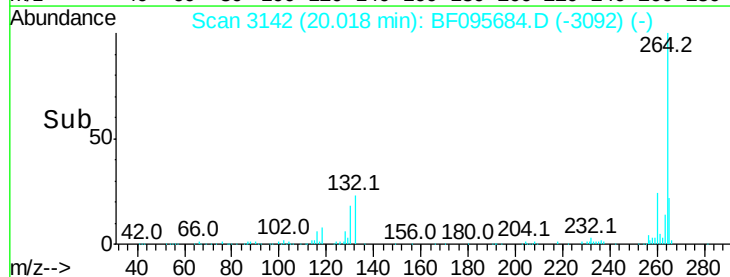
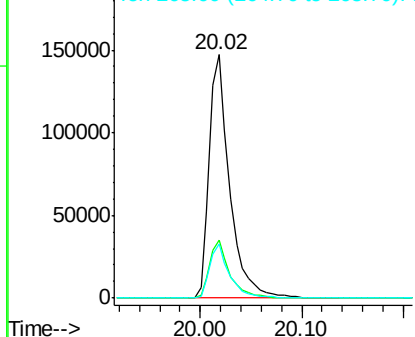


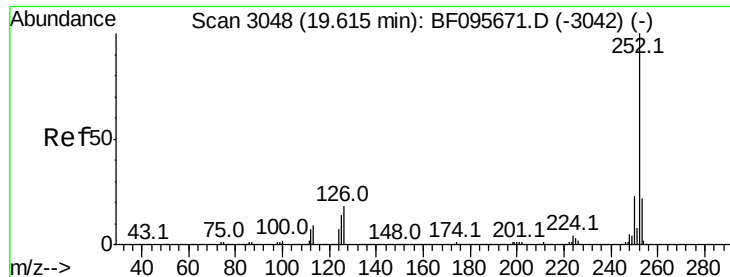
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.02 min Scan# 3142
 Delta R.T. -0.00 min
 Lab File: BF095684.D
 Acq: 5 Jun 2017 21:04

Tgt Ion:264 Resp: 206579
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 22.2 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

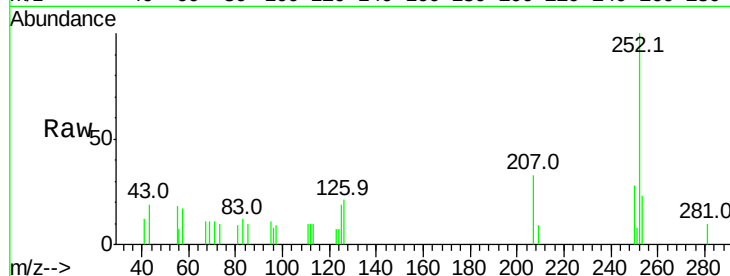




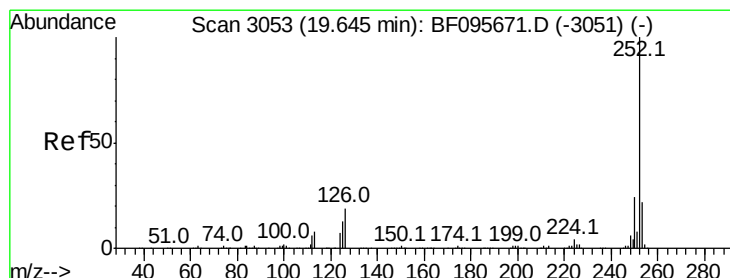
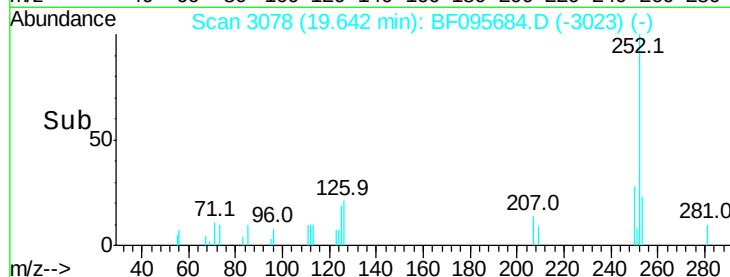
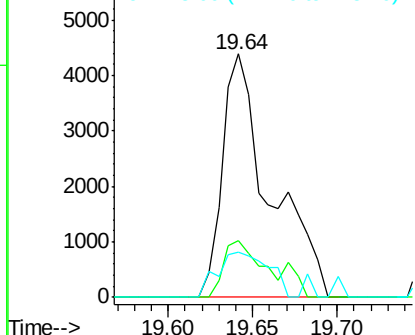
#87
Benzo(b)fluoranthene
Concen: 0.66 ng
RT: 19.64 min Scan# 3078
Delta R.T. 0.03 min
Lab File: BF095684.D
Acq: 5 Jun 2017 21:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 8563
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 18.8 9.8 14.8#

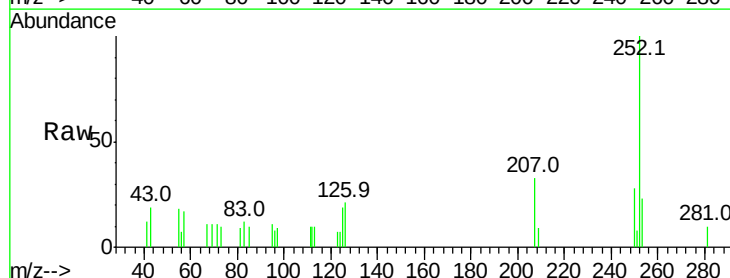


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

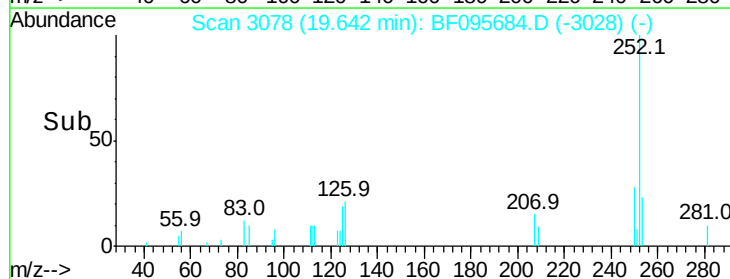
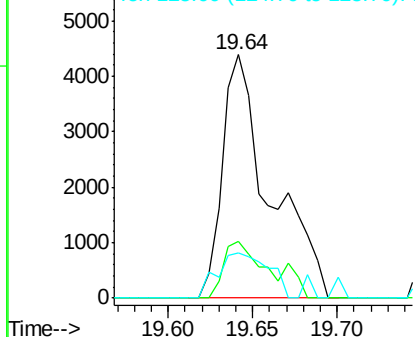


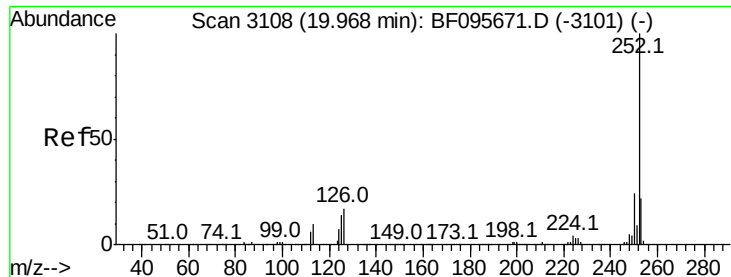
#88
Benzo(k)fluoranthene
Concen: 0.69 ng
RT: 19.64 min Scan# 3078
Delta R.T. -0.00 min
Lab File: BF095684.D
Acq: 5 Jun 2017 21:04

Tgt Ion:252 Resp: 8563
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 18.8 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





#89

Benzo(a)pyrene

Concen: 0.29 ng

RT: 19.98 min Scan# 3135

Delta R.T. 0.01 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

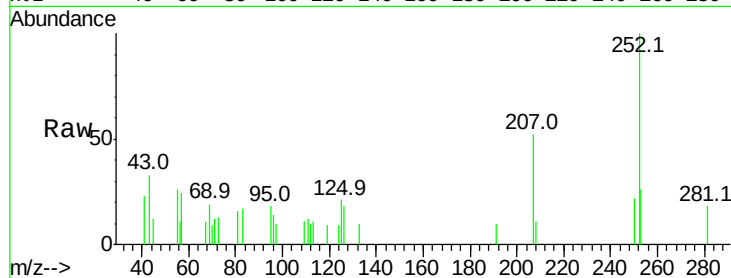
Tot Ion:252 Resp: 3499

Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

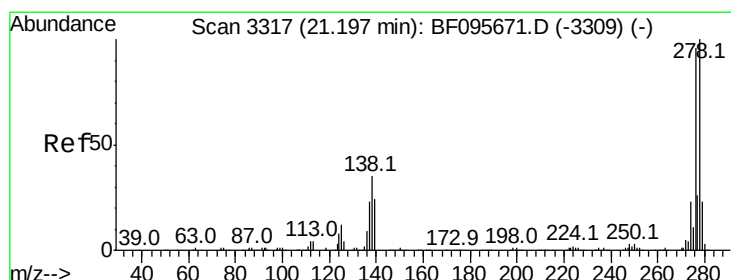
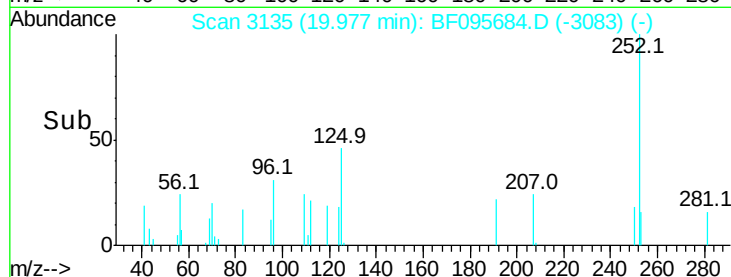
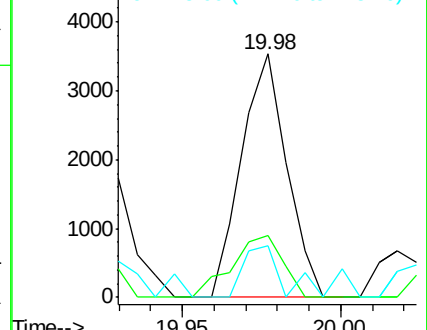
125 21.5 11.0 16.4#



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



#90

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 21.25 min Scan# 3352

Delta R.T. 0.06 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

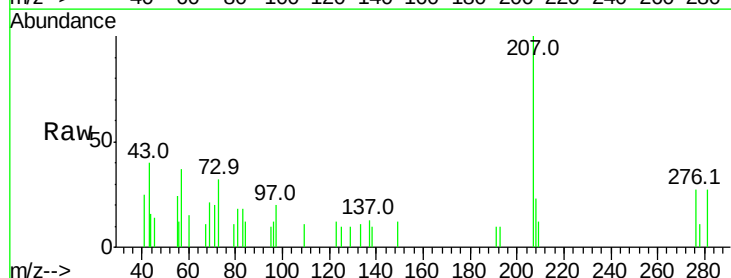
Tgt Ion:278 Resp: 337

Ion Ratio Lower Upper

278 100

139 0.0 16.6 24.8#

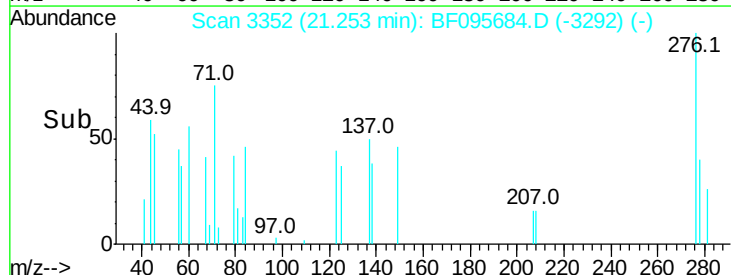
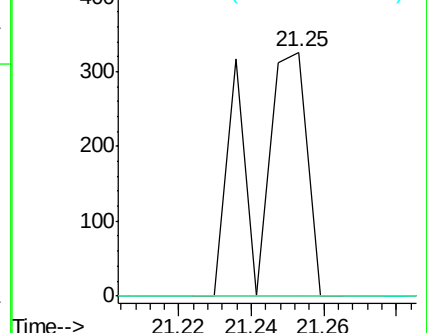
279 0.0 19.3 28.9#

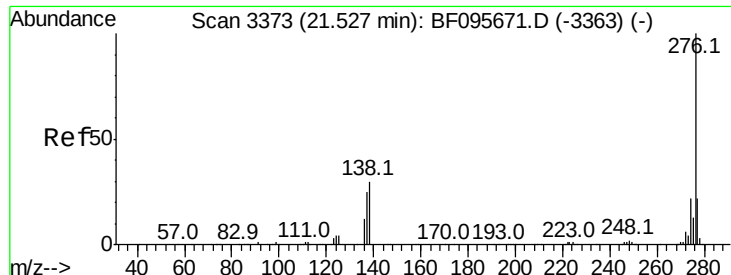


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 0.18 ng

RT: 21.60 min Scan# 3411

Delta R.T. 0.07 min

Lab File: BF095684.D

Acq: 5 Jun 2017 21:04

Instrument :

BNA_F

ClientSampleId :

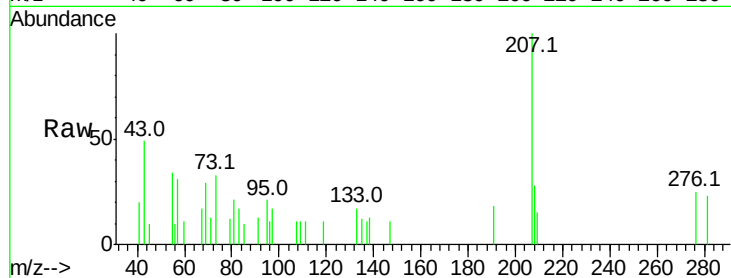
Tot Ion: 276 Resp: 1848

Ion Ratio Lower Upper

276 100

277 0.0 18.6 28.0#

138 51.3 25.4 38.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

