

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098741.D
 Acq On : 23 Sep 2017 16:13
 Operator : SJ/JU
 Sample : I5336-01 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 04:49:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	165381	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	692614	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	295002	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	458029	20.00	ng	0.00
75) Chrysene-d12	14.08	240	279977	20.00	ng	0.00
86) Perylene-d12	15.57	264	275900	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	119887	11.54	ng	-0.02
7) Phenol-d6	6.53	99	150134	11.71	ng	-0.02
23) Nitrobenzene-d5	7.47	82	86072	7.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	19144	7.93	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	171411	9.70	ng	0.00
78) Terphenyl-d14	13.02	244	109338	8.88	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.68	93	141	0.01	ng	# 1
9) Benzaldehyde	6.53	77	124	0.02	ng	# 1
10) Phenol	6.54	94	3691	0.26	ng	98
11) bis(2-Chloroethyl)ether	6.68	93	141	0.01	ng	# 1
12) 1,3-Dichlorobenzene	6.93	146	428	0.03	ng	# 45
13) 1,4-Dichlorobenzene	6.93	146	428	0.03	ng	# 82
14) 1,2-Dichlorobenzene	7.09	146	556	0.05	ng	# 24
15) Benzyl Alcohol	7.07	79	1723	0.18	ng	# 37
18) Hexachloroethane	7.53	117	284	0.06	ng	# 2
19) n-Nitroso-di-n-propylamine	7.47	70	11602	1.42	ng	# 81
22) Acetophenone	7.32	105	162	0.01	ng	# 54
24) Nitrobenzene	7.47	77	135	0.01	ng	# 38
25) Isophorone	7.47	82	84750	3.80	ng	# 64
27) 2,4-Dimethylphenol	7.87	122	1859	0.17	ng	# 4
28) bis(2-Chloroethoxy)methane	8.20	93	109	0.01	ng	# 1
31) Naphthalene	8.22	128	8043	0.25	ng	97
32) Benzoic acid	7.87	122	1859	0.20	ng	88
33) 4-Chloroaniline	8.22	127	971	0.07	ng	# 23
37) 2-Methylnaphthalene	9.01	142	6412	0.30	ng	98
45) 1,1'-Biphenyl	9.37	154	1205	0.05	ng	# 60
47) 2-Nitroaniline	9.53	65	115	0.02	ng	# 2
48) Acenaphthylene	9.82	152	34703	1.19	ng	99
49) Dimethylphthalate	9.66	163	15944	0.72	ng	# 98
50) 2,6-Dinitrotoluene	9.96	165	38407	7.92	ng	# 25
51) Acenaphthene	9.99	154	8728	0.47	ng	99
54) Dibenzofuran	10.16	168	6058	0.25	ng	# 84
55) 4-Nitrophenol	10.16	139	2611	0.55	ng	# 9
56) 2,4-Dinitrotoluene	9.96	165	38407	6.11	ng	# 23
57) Fluorene	10.50	166	14884	0.75	ng	# 97
59) Diethylphthalate	10.36	149	2390	0.11	ng	# 88
62) Azobenzene	10.66	77	1165	0.06	ng	# 1
65) n-Nitrosodiphenylamine	10.62	169	1467	0.09	ng	# 61
66) 4-Bromophenyl-phenylether	10.74	248	1451	0.32	ng	# 1
70) Phenanthrene	11.47	178	203382	8.30	ng	98

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

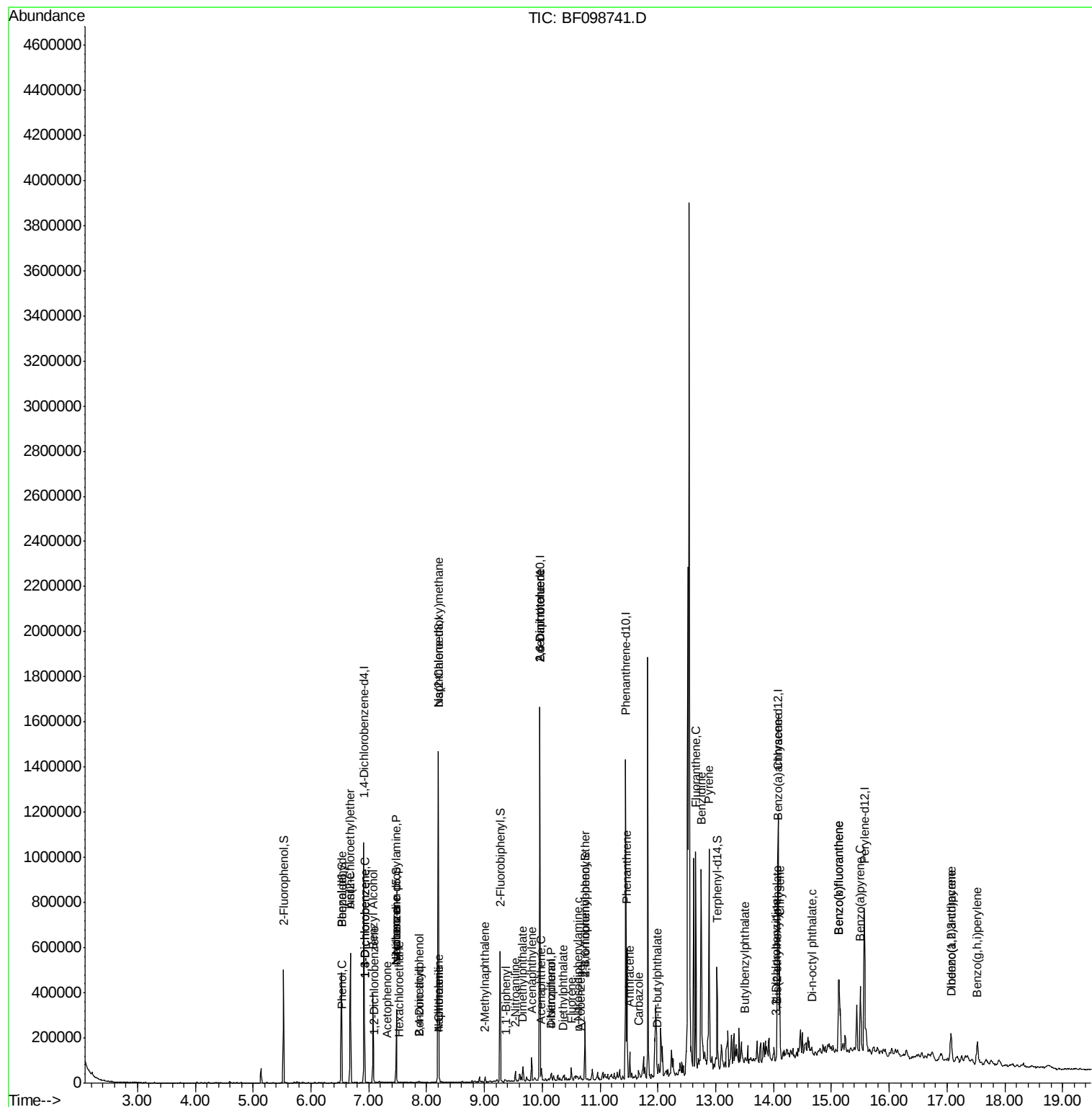
71) Anthracene	11.52	178	39586	1.58	ng	98
72) Carbazole	11.67	167	10562	0.43	ng	97
73) Di-n-butylphthalate	12.00	149	2462	0.08	ng #	78
74) Fluoranthene	12.66	202	340644	13.72	ng	97
76) Benzidine	12.75	184	246	0.02	ng #	1
77) Pyrene	12.89	202	349376	16.36	ng	98
79) Butylbenzylphthalate	13.50	149	1159	0.12	ng #	11
80) Benzo(a)anthracene	14.07	228	145064	8.56	ng	95
81) 3,3'-Dichlorobenzidine	14.03	252	148	0.02	ng #	27
82) Chrysene	14.10	228	152010	9.42	ng	96
83) Bis(2-ethylhexyl)phthalate	14.05	149	4345	0.31	ng #	90
84) Di-n-octyl phthalate	14.66	149	391	0.02	ng #	17
85) Indeno(1,2,3-cd)pyrene	17.07	276	76254	5.91	ng	98
87) Benzo(b)fluoranthene	15.13	252	248499	14.65	ng #	94
88) Benzo(k)fluoranthene	15.13	252	248499	14.83	ng	97
89) Benzo(a)pyrene	15.50	252	131627	8.45	ng #	95
90) Dibenzo(a,h)anthracene	17.09	278	20302	1.63	ng #	90
91) Benzo(g,h,i)perylene	17.53	276	77227	6.27	ng	94

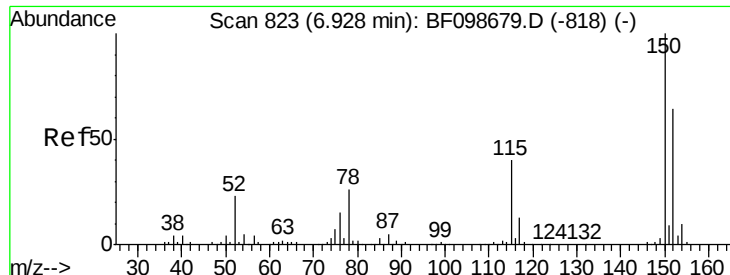
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 822

Delta R.T. -0.00 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

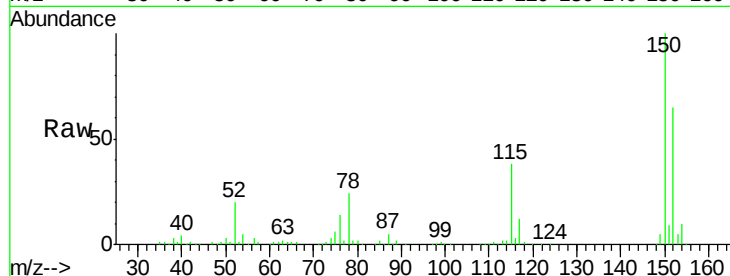
Tot Ion:152 Resp: 165381

Ion Ratio Lower Upper

152 100

150 154.5 124.6 186.8

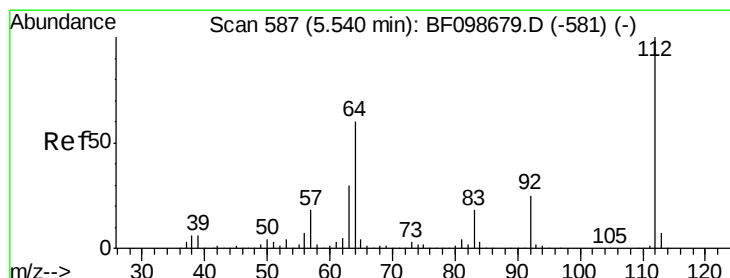
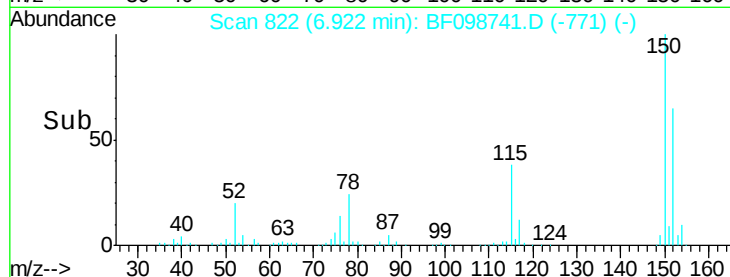
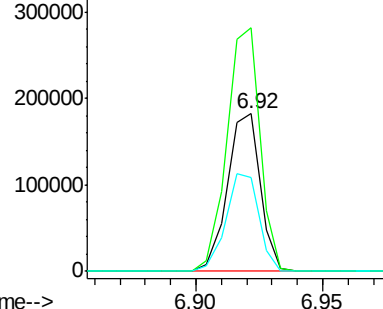
115 59.2 50.1 75.1



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



#5

2-Fluorophenol

Concen: 11.54 ng

RT: 5.52 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

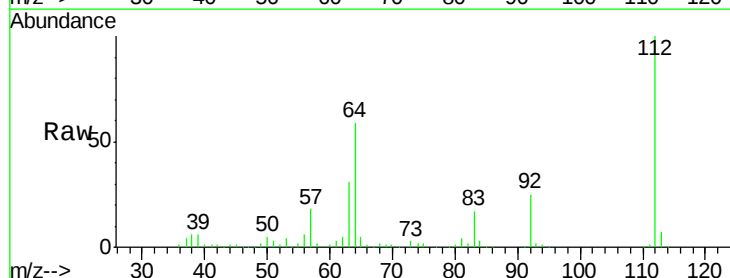
Tgt Ion:112 Resp: 119887

Ion Ratio Lower Upper

112 100

64 58.9 47.9 71.9

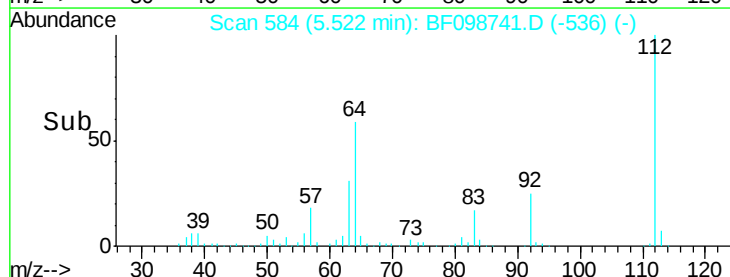
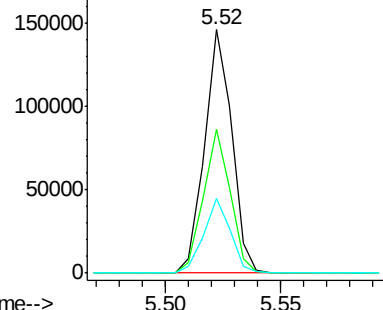
63 30.6 23.7 35.5

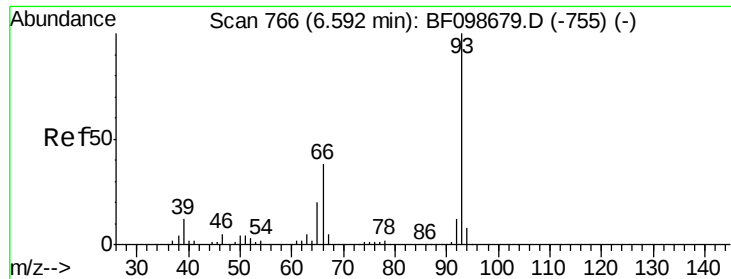


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.01 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.09 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

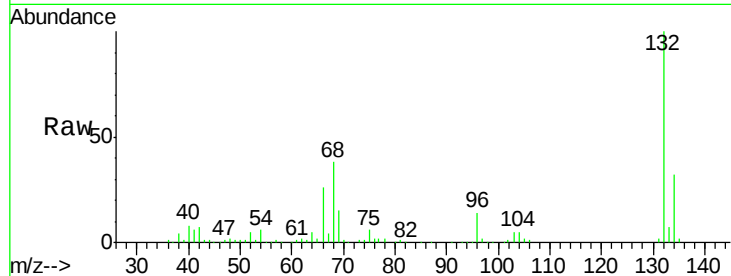
Tot Ion: 93 Resp: 141

Ion Ratio Lower Upper

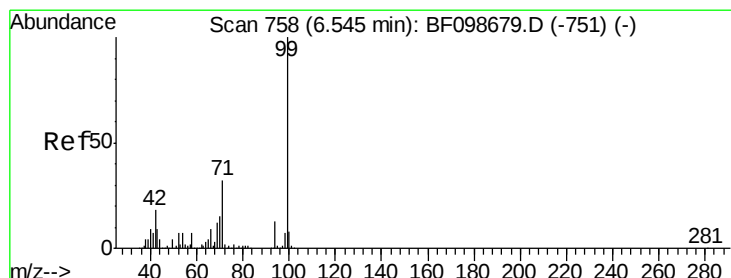
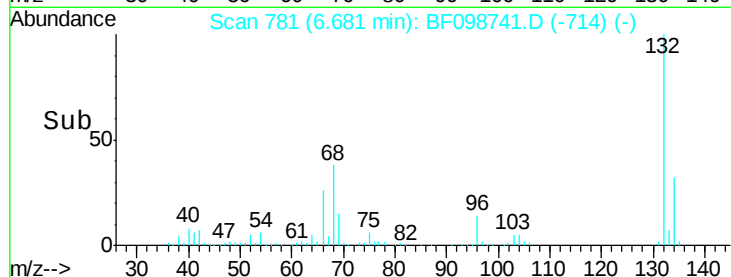
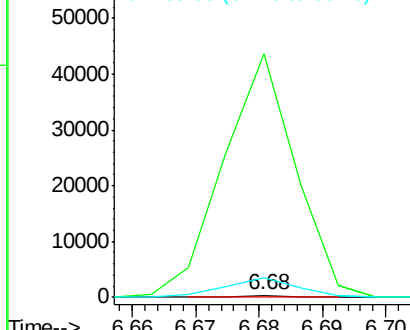
93 100

66 10933.3 32.2 48.2#

65 873.9 16.4 24.6#



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: 11.71 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

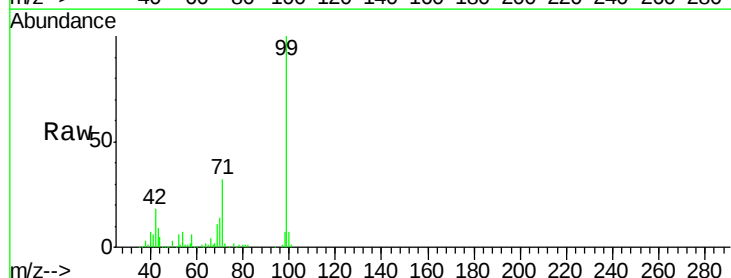
Tgt Ion: 99 Resp: 150134

Ion Ratio Lower Upper

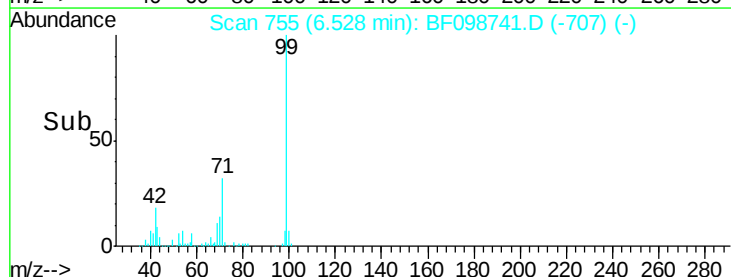
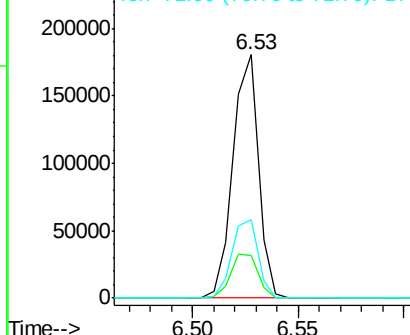
99 100

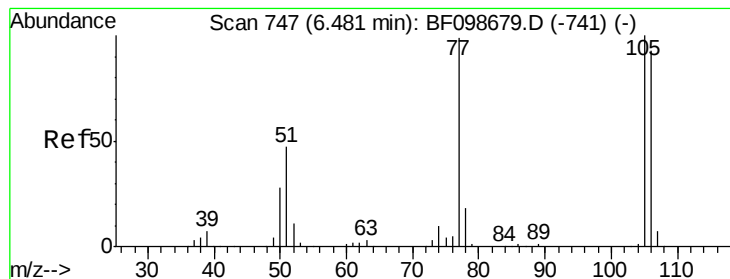
42 17.7 14.5 21.7

71 32.0 25.4 38.0



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: 0.02 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.05 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

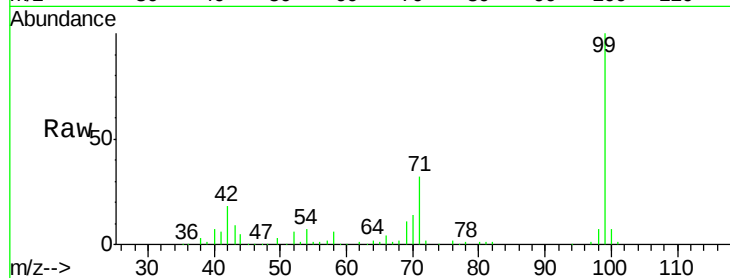
Tot Ion: 77 Resp: 124

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

106 0.0 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

6.53

400

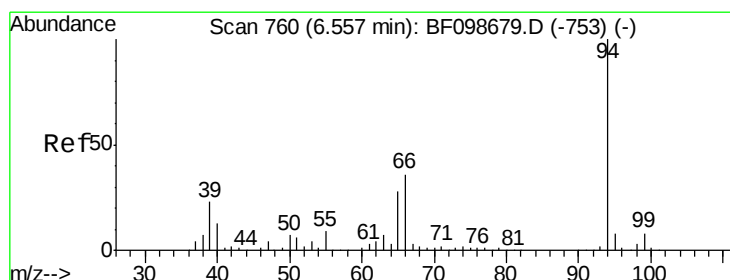
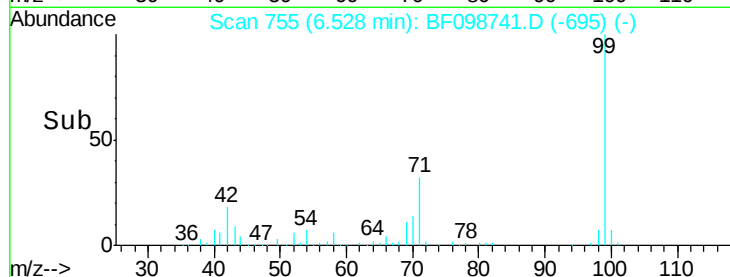
300

200

100

0

Time-->



#10

Phenol

Concen: 0.26 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.02 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

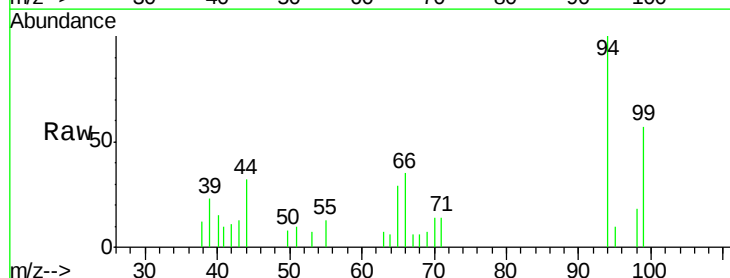
Tgt Ion: 94 Resp: 3691

Ion Ratio Lower Upper

94 100

65 28.7 7.9 47.9

66 35.0 16.2 56.2



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

10000

8000

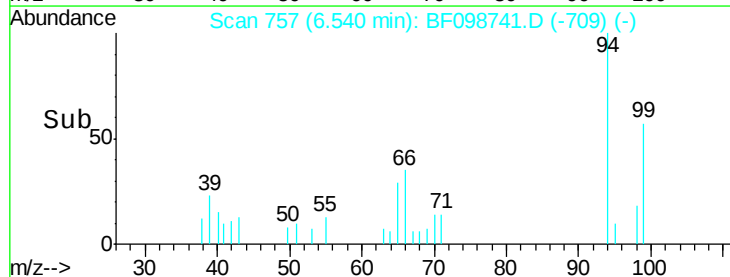
6000

4000

2000

0

Time-->

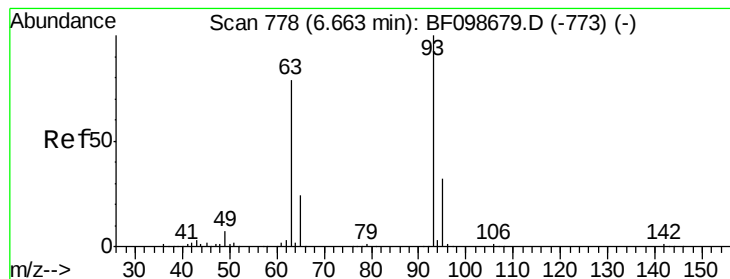


6.54

4000

2000

0



#11

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.02 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

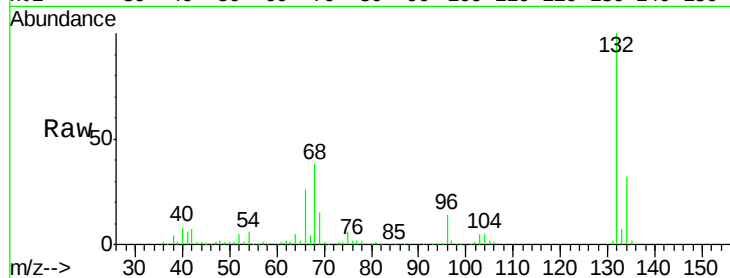
Tot Ion: 93 Resp: 141

Ion Ratio Lower Upper

93 100

63 372.7 58.6 98.6#

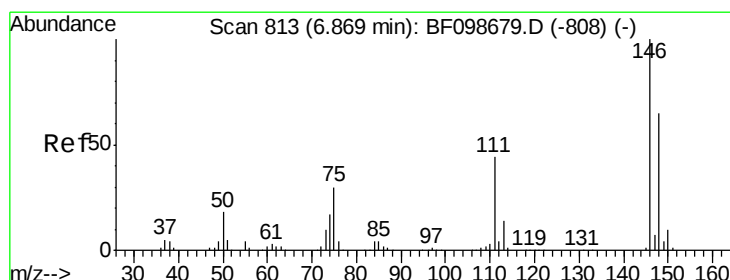
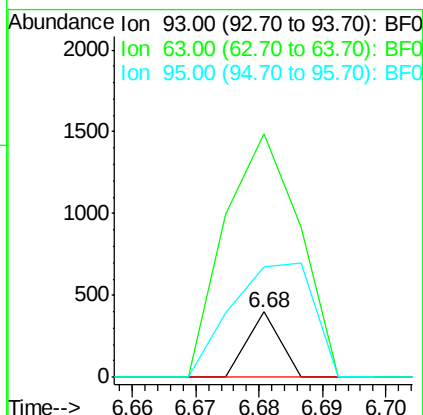
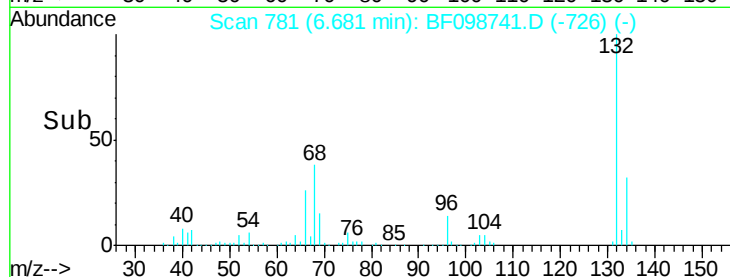
95 169.7 11.8 51.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 0.03 ng

RT: 6.93 min Scan# 824

Delta R.T. 0.07 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

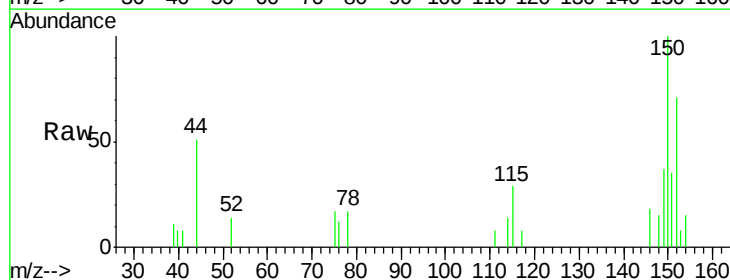
Tgt Ion: 146 Resp: 428

Ion Ratio Lower Upper

146 100

148 84.0 51.8 77.8#

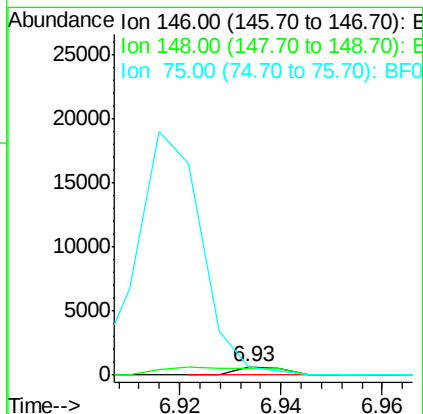
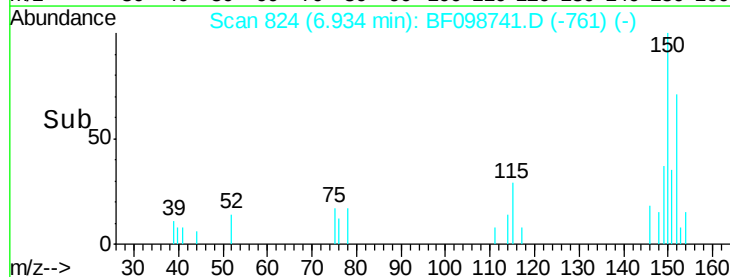
75 95.7 24.2 36.4#

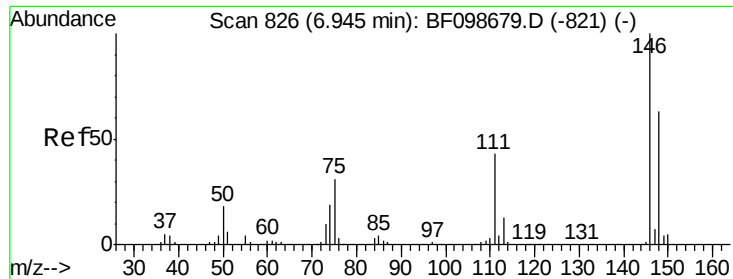


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

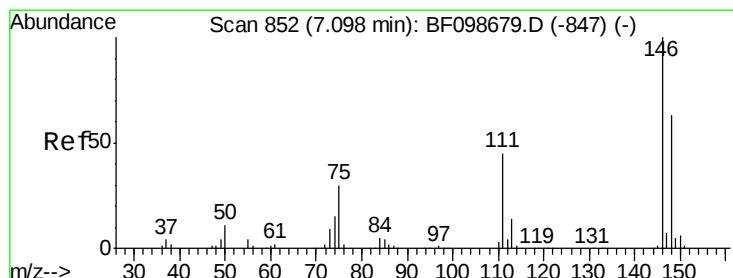
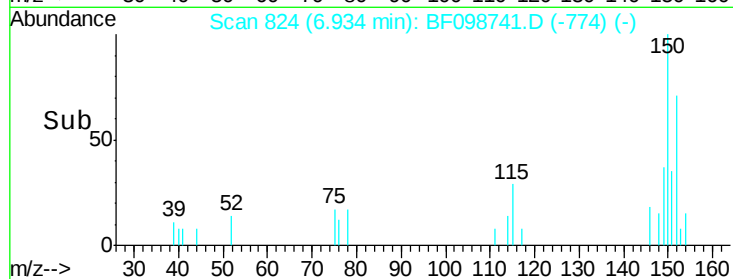
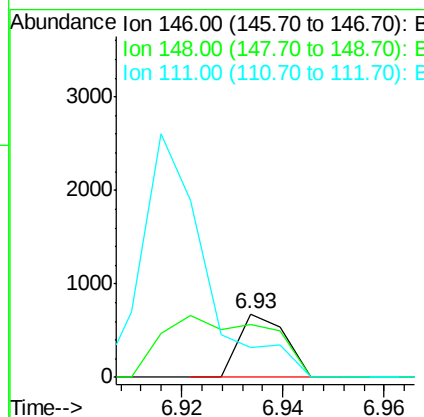
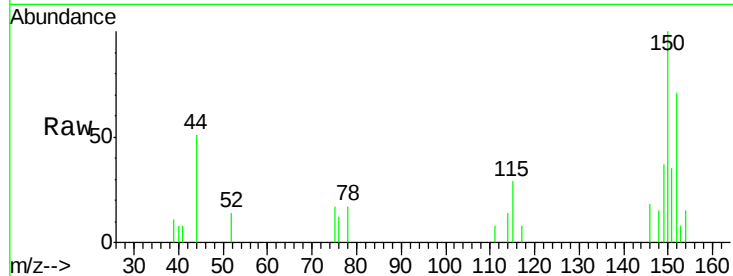




#13
 1,4-Dichlorobenzene
 Concen: 0.03 ng
 RT: 6.93 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF098741.D
 Acq: 23 Sep 2017 16:13

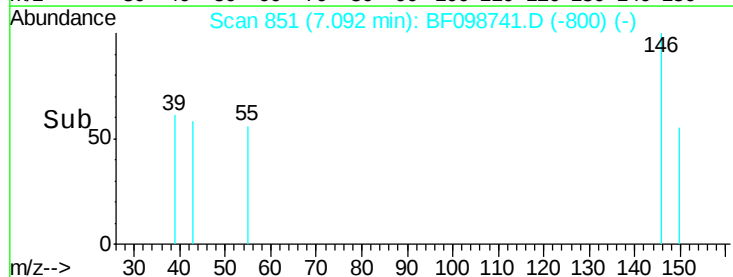
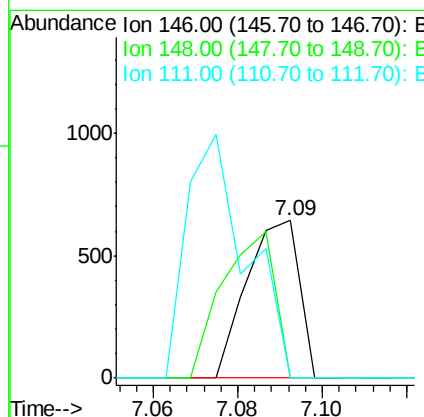
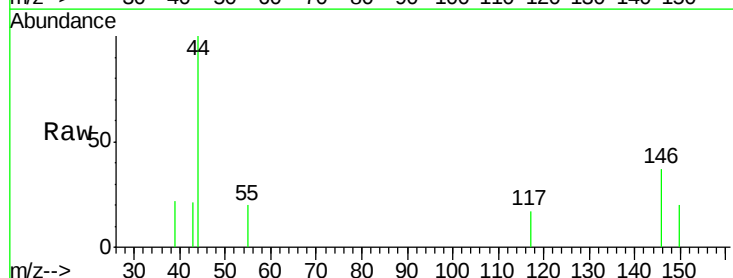
Instrument :
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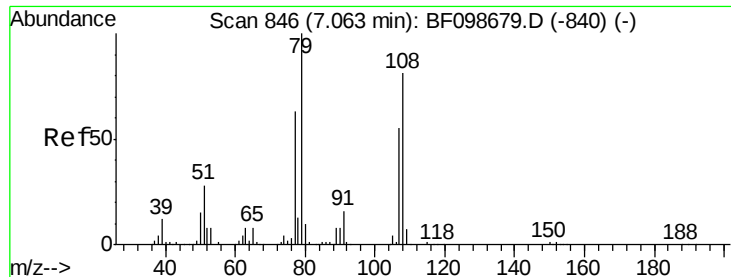
Tot Ion:146 Resp: 428
 Ion Ratio Lower Upper
 146 100
 148 84.0 50.8 76.2#
 111 46.9 34.2 51.2



#14
 1,2-Dichlorobenzene
 Concen: 0.05 ng
 RT: 7.09 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: BF098741.D
 Acq: 23 Sep 2017 16:13

Tgt Ion:146 Resp: 556
 Ion Ratio Lower Upper
 146 100
 148 0.0 50.6 75.8#
 111 0.0 36.0 54.0#





#15

Benzyl Alcohol

Concen: 0.18 ng

RT: 7.07 min Scan# 848

Delta R.T. 0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

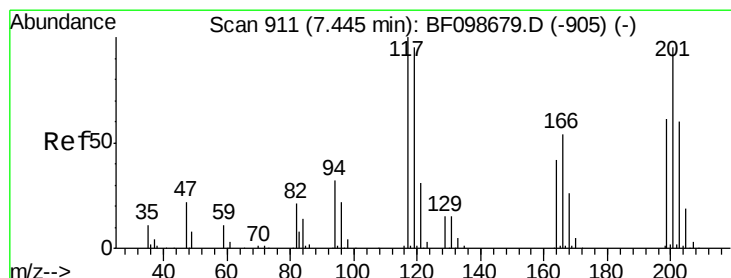
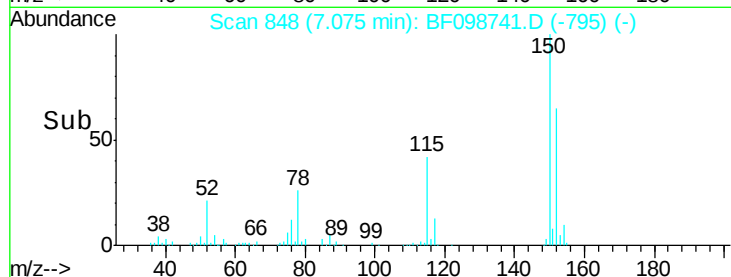
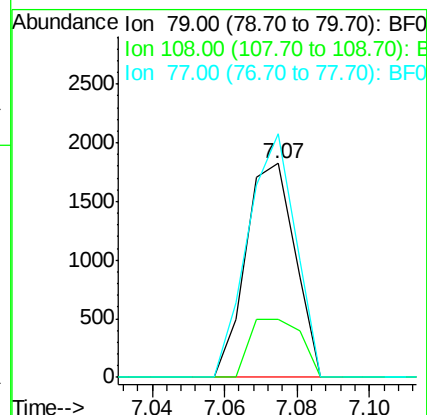
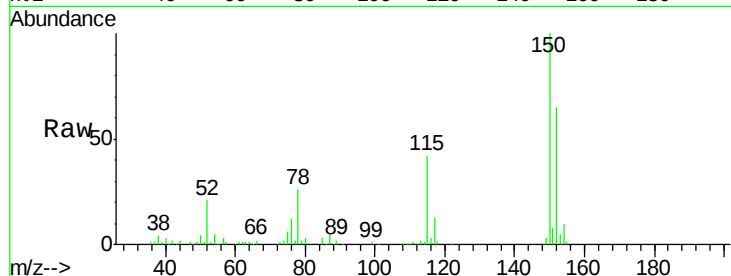
Tot Ion: 79 Resp: 1723

Ion Ratio Lower Upper

79 100

108 27.3 65.1 97.7#

77 113.8 50.6 75.8#



#18

Hexachloroethane

Concen: 0.06 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.09 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

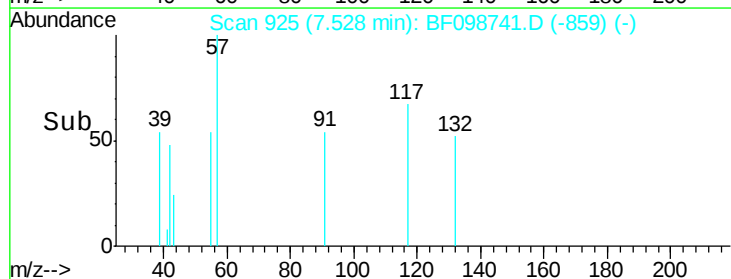
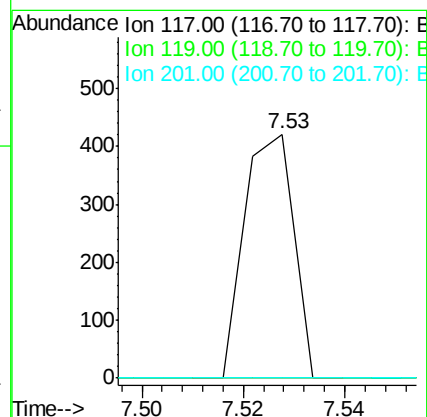
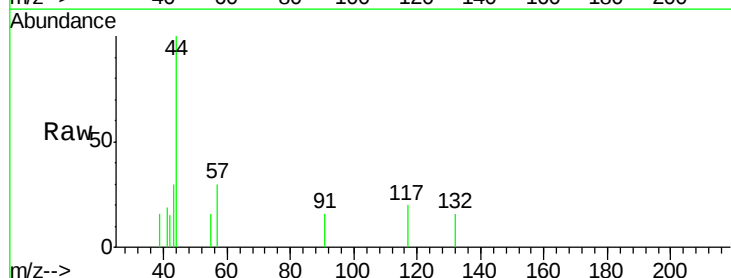
Tgt Ion: 117 Resp: 284

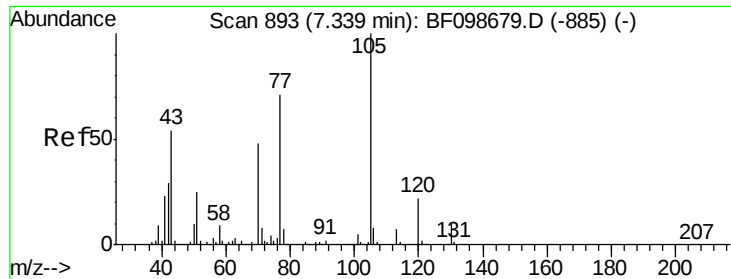
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

201 0.0 75.7 113.5#

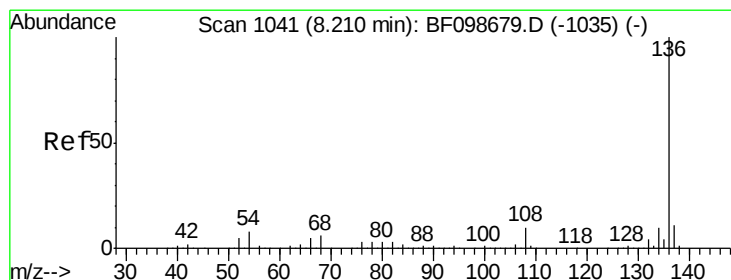
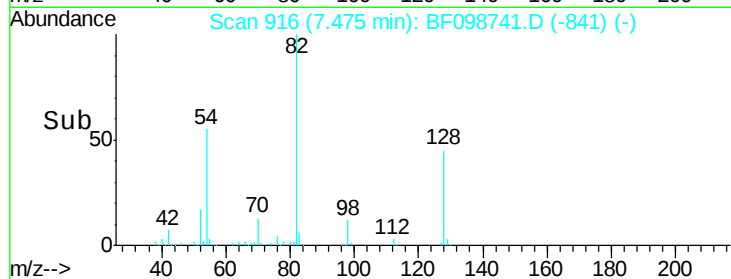
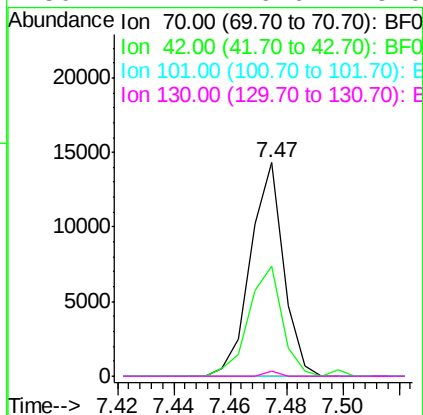
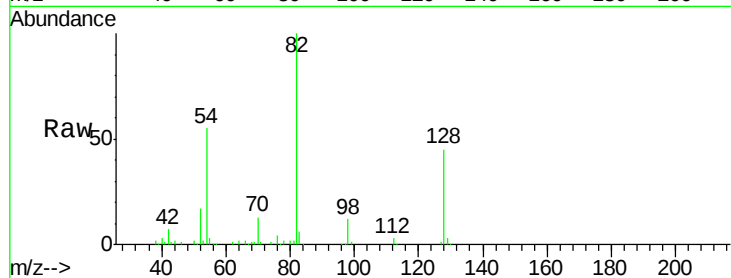




#19
n-Nitroso-di-n-propylamine
Concen: 1.42 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

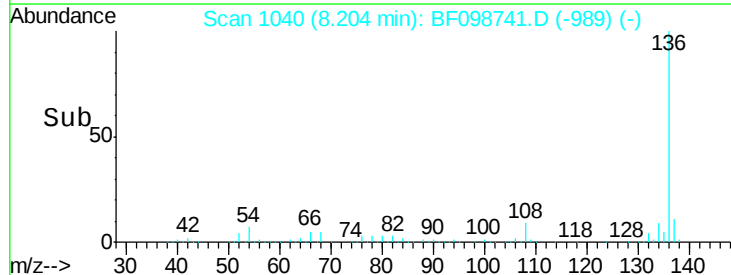
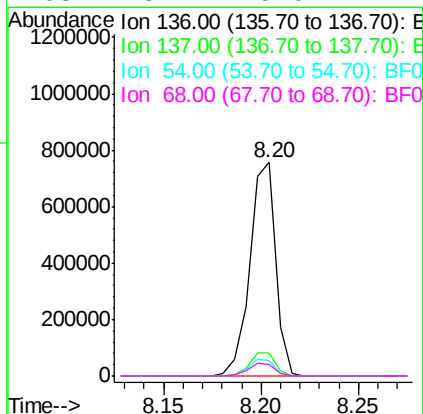
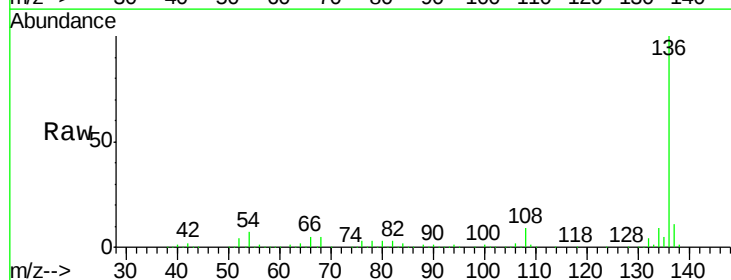
Instrument :
BNA_F
ClientSampleId :

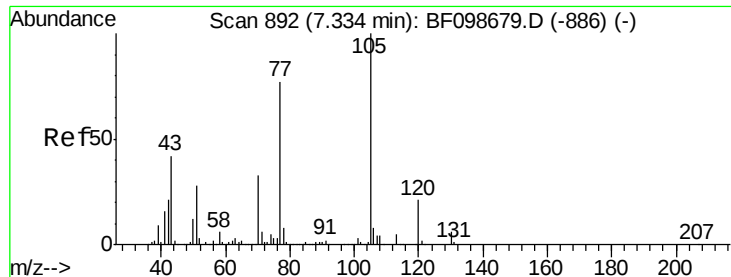
Tot Ion: 70 Resp: 11602
Ion Ratio Lower Upper
70 100
42 51.4 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Tgt Ion:136 Resp: 692614
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.0 6.6 9.8
68 5.4 5.0 7.4





#22

Acetophenone

Concen: 0.01 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 162

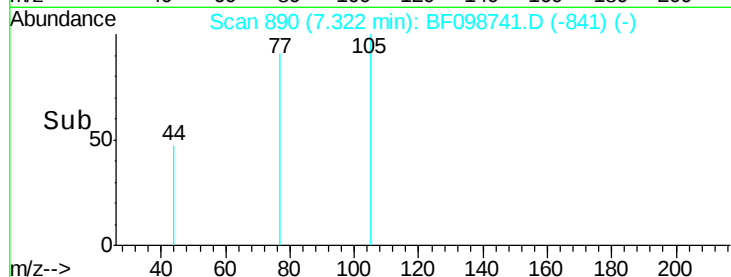
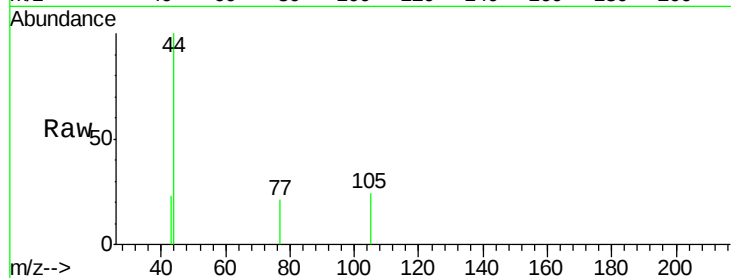
Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 0.0 22.3 33.5#

120 0.0 16.9 25.3#

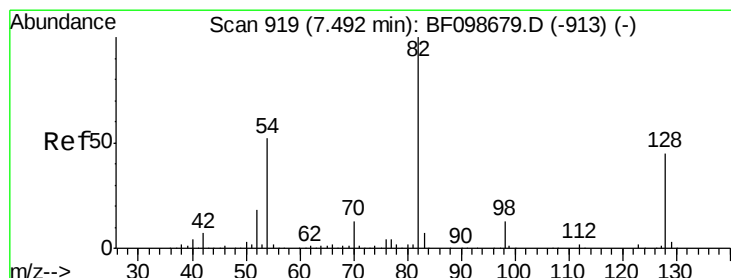
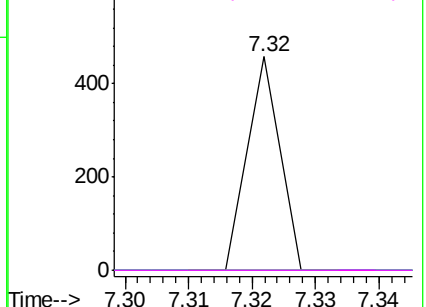


Abundance Ion 105.00 (104.70 to 105.70): E

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: 7.97 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

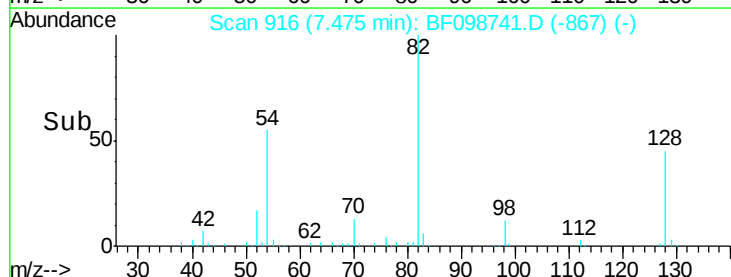
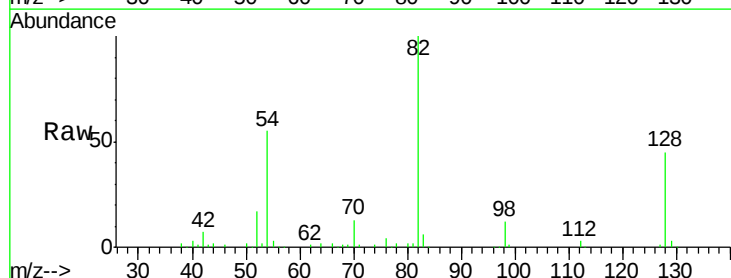
Tgt Ion: 82 Resp: 86072

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

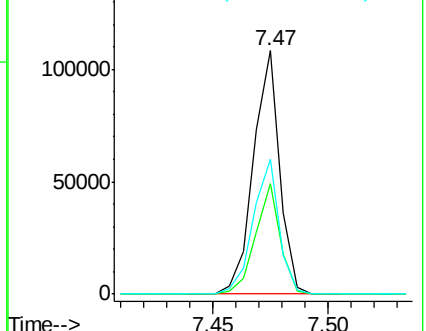
54 55.2 41.4 62.2

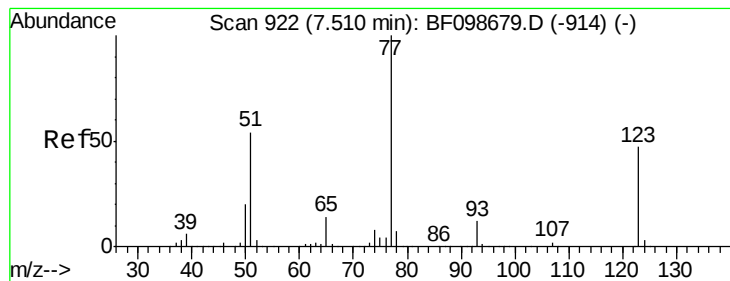


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 0.01 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF098741.D

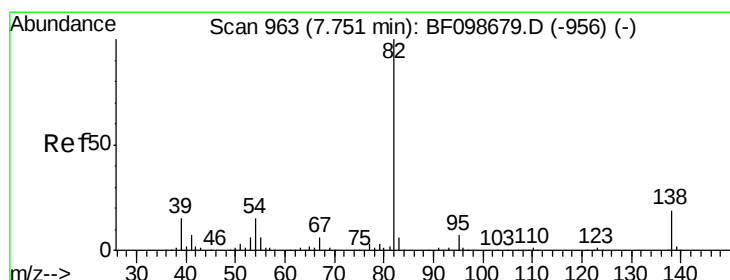
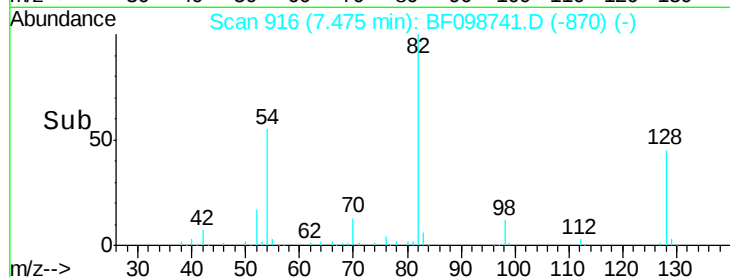
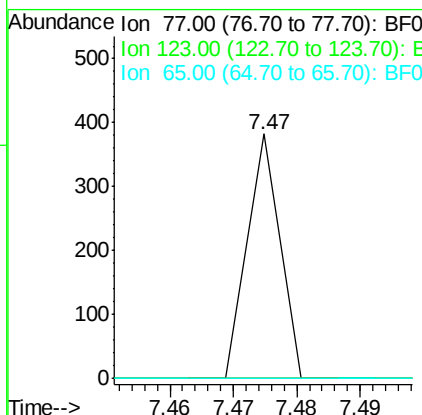
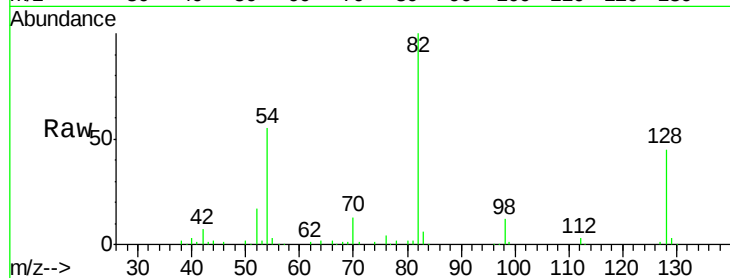
Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampled :

Tot Ion:	77	Resp:	135
Ion	Ratio	Lower	Upper
77	100		
123	0.0	37.9	56.9#
65	0.0	11.0	16.4#



#25

Isophorone

Concen: 3.80 ng

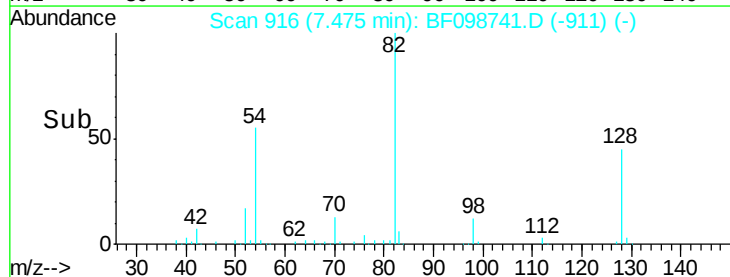
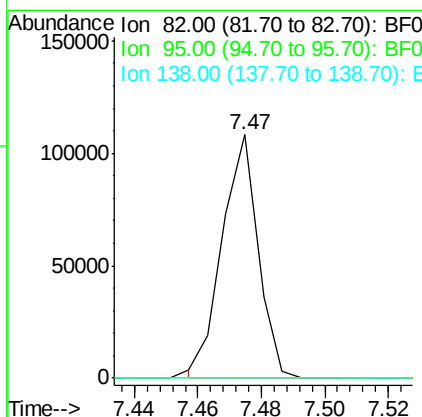
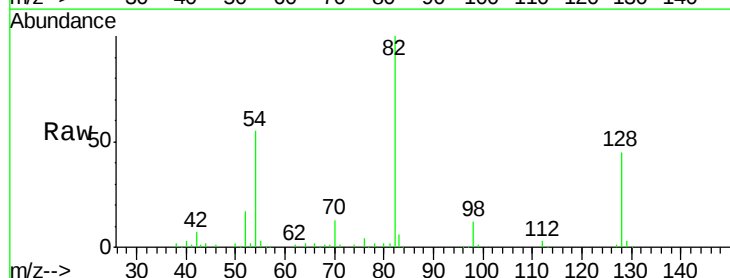
RT: 7.47 min Scan# 916

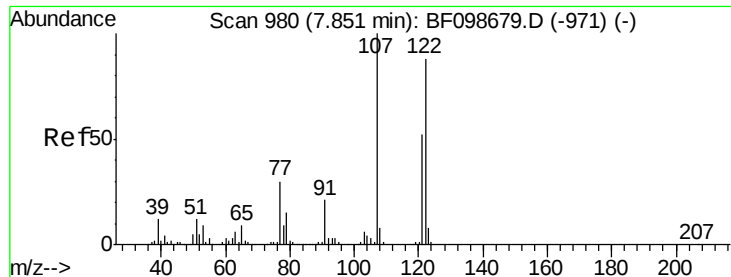
Delta R.T. -0.27 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Tgt Ion:	82	Resp:	84750
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

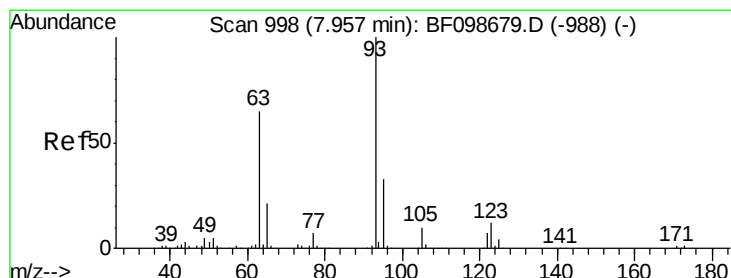
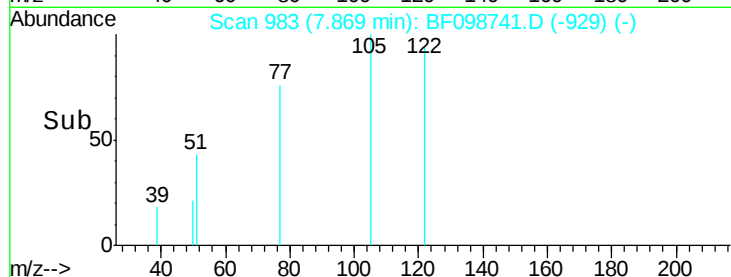
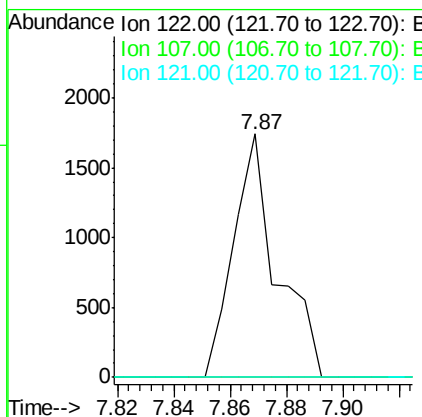
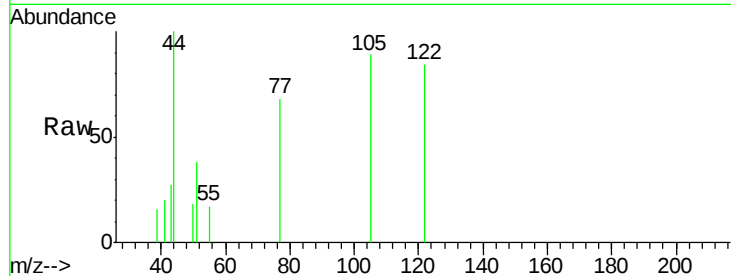




#27
 2,4-Dimethylphenol
 Concen: 0.17 ng
 RT: 7.87 min Scan# 983
 Delta R.T. 0.02 min
 Lab File: BF098741.D
 Acq: 23 Sep 2017 16:13

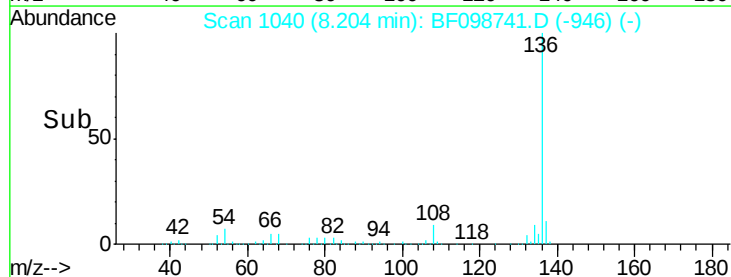
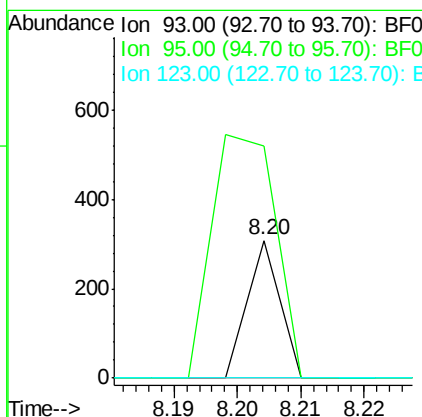
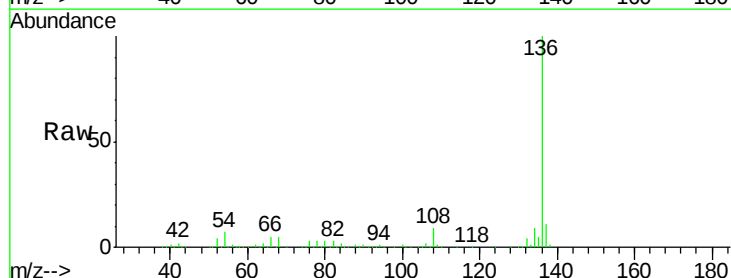
Instrument :
 BNA_F
 ClientSampleId :

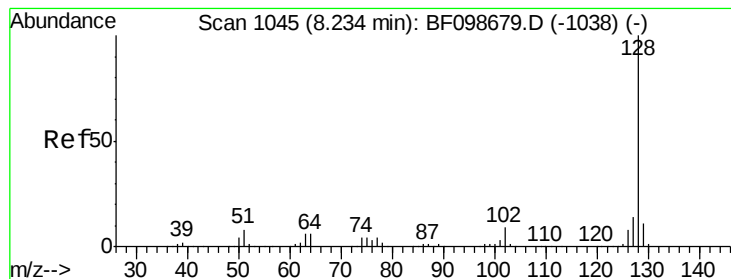
Tot Ion:122 Resp: 1859
 Ion Ratio Lower Upper
 122 100
 107 0.0 91.2 136.8#
 121 0.0 47.2 70.8#



#28
 bis(2-Chloroethoxy)methane
 Concen: 0.01 ng
 RT: 8.20 min Scan# 1040
 Delta R.T. 0.25 min
 Lab File: BF098741.D
 Acq: 23 Sep 2017 16:13

Tgt Ion: 93 Resp: 109
 Ion Ratio Lower Upper
 93 100
 95 168.5 26.3 39.5#
 123 0.0 9.8 14.6#





#31

Naphthalene

Concen: 0.25 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampled :

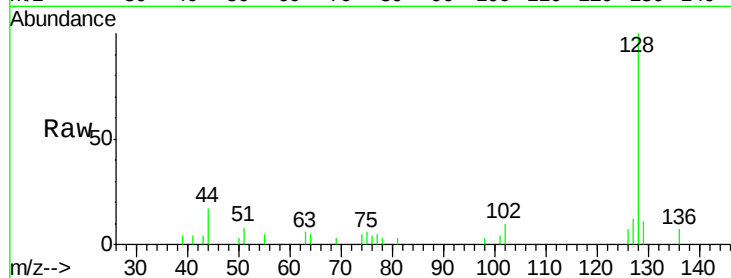
Tot Ion:128 Resp: 8043

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

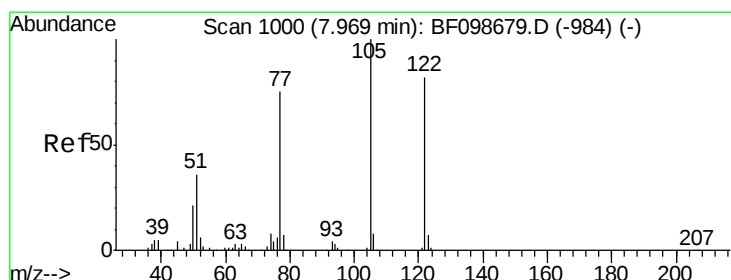
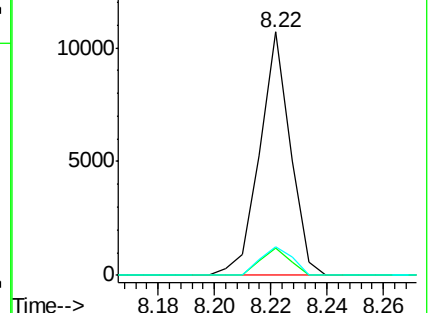
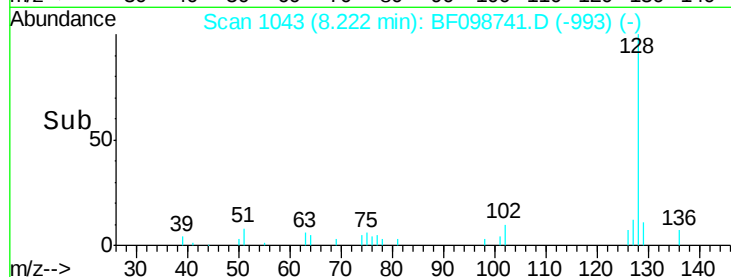
127 11.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 0.20 ng

RT: 7.87 min Scan# 983

Delta R.T. -0.11 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

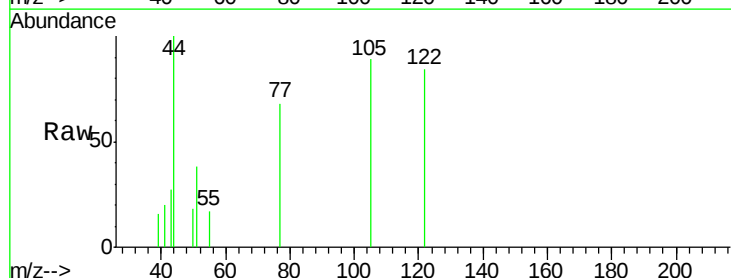
Tgt Ion:122 Resp: 1859

Ion Ratio Lower Upper

122 100

105 106.3 101.1 141.1

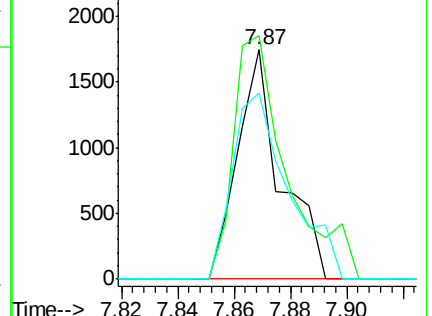
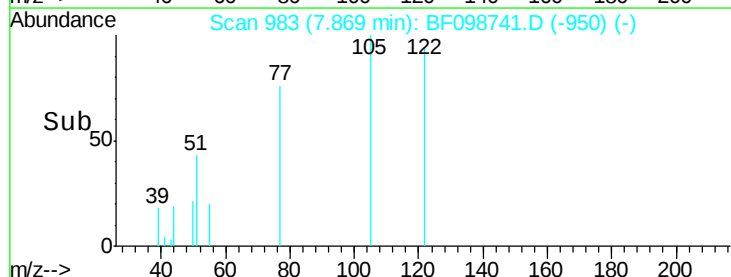
77 81.2 70.7 110.7

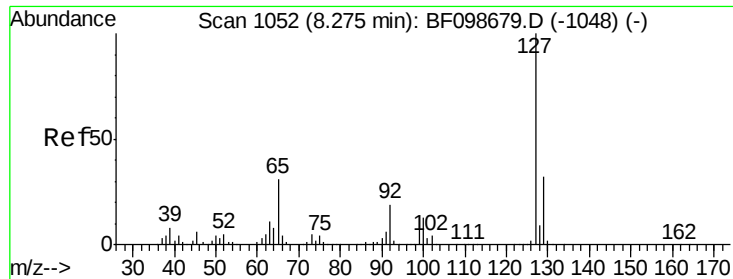


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

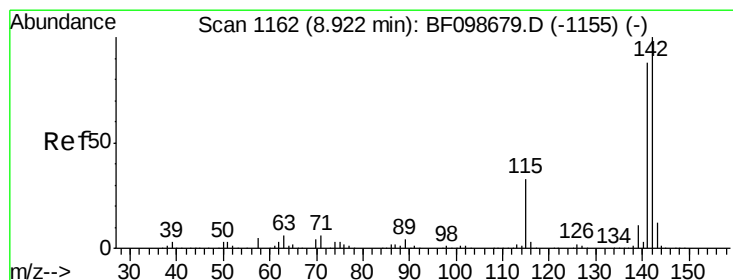
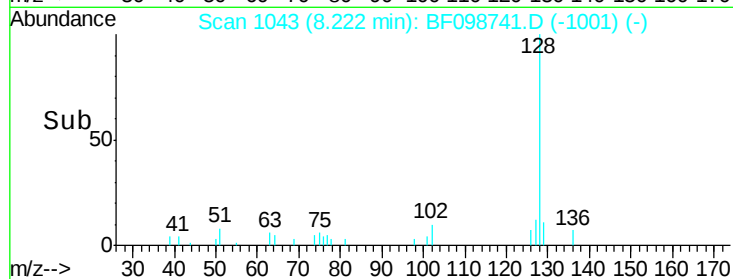
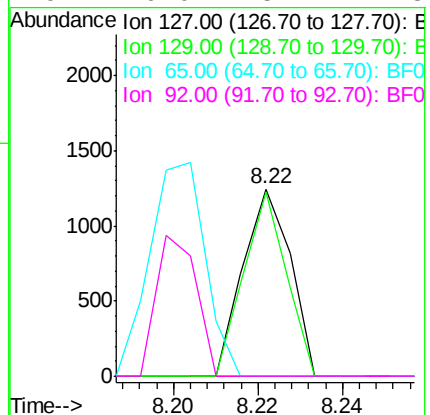
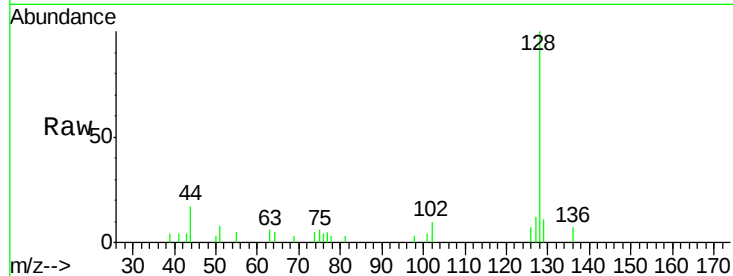




#33
4-Chloroaniline
Concen: 0.07 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.05 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

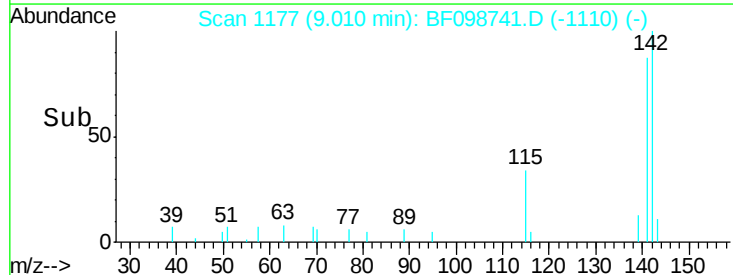
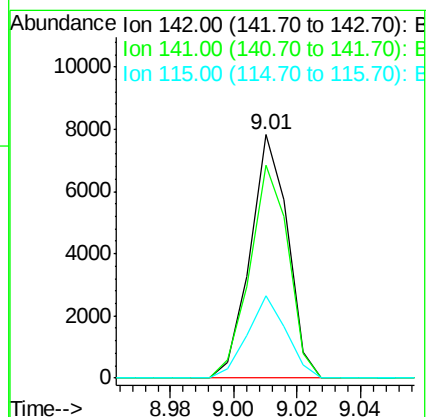
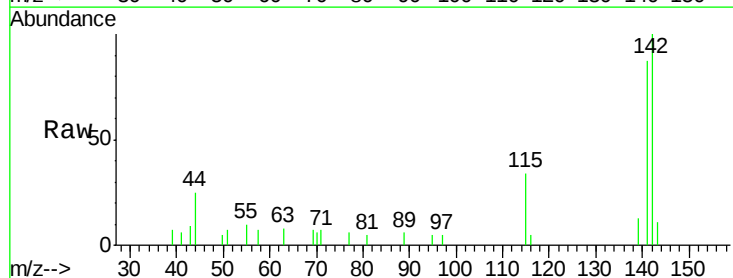
Instrument :
BNA_F
ClientSampleId :

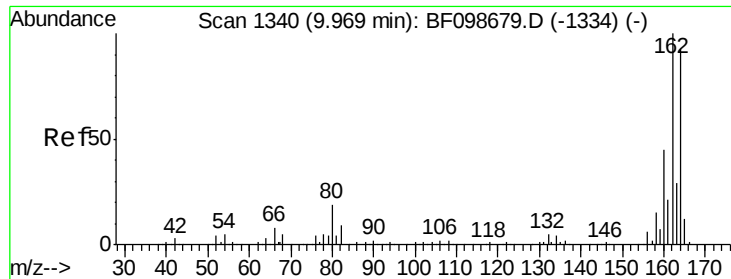
Tot Ion:127 Resp: 971
Ion Ratio Lower Upper
127 100
129 98.3 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



#37
2-Methylnaphthalene
Concen: 0.30 ng
RT: 9.01 min Scan# 1177
Delta R.T. 0.09 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Tgt Ion:142 Resp: 6412
Ion Ratio Lower Upper
142 100
141 87.4 70.8 106.2
115 33.9 26.1 39.1

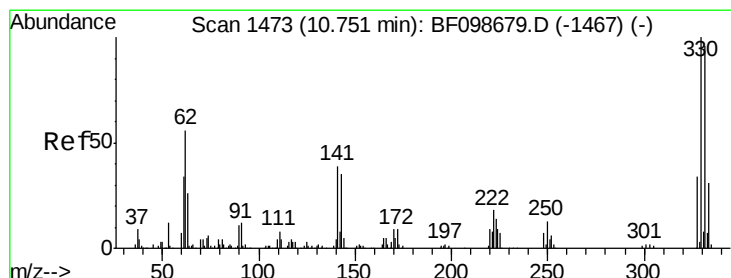
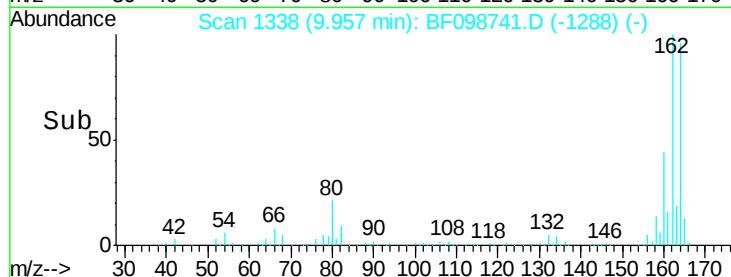
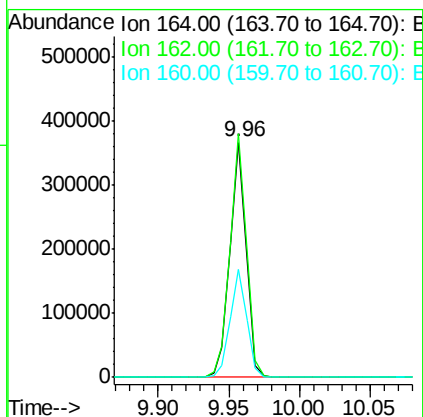
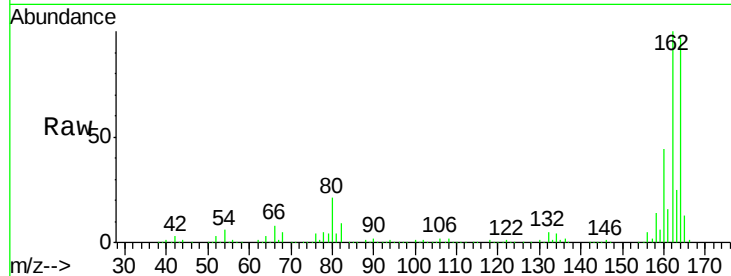




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

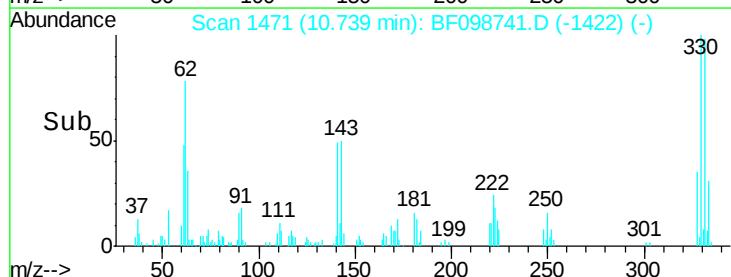
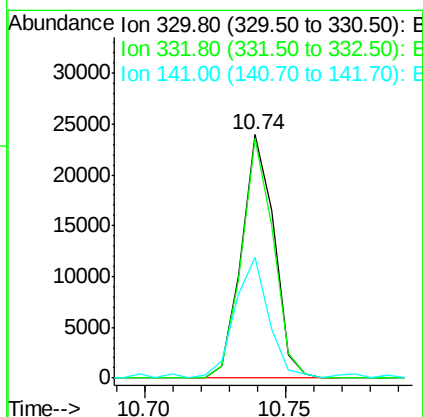
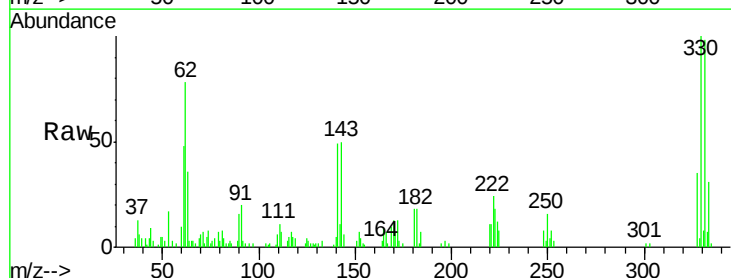
Instrument :
BNA_F
ClientSampled :

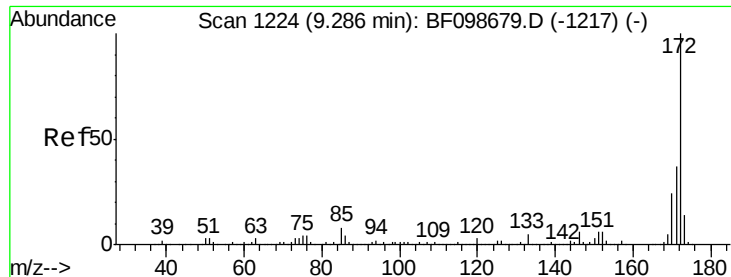
Tot Ion:164 Resp: 295002
Ion Ratio Lower Upper
164 100
162 103.6 86.1 129.1
160 46.0 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 7.93 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.01 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Tgt Ion:330 Resp: 19144
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 52.5 29.9 44.9#

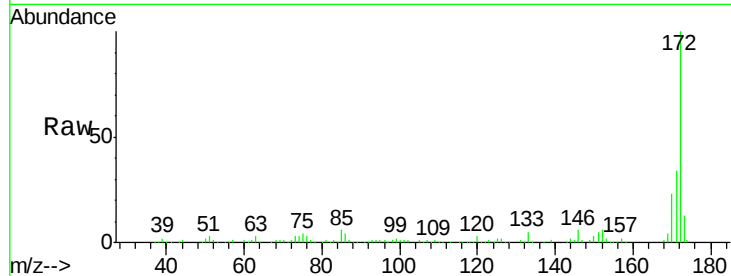




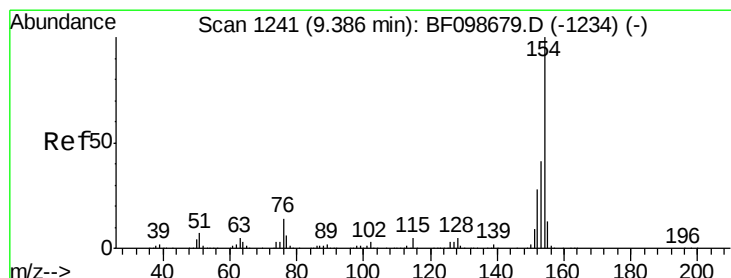
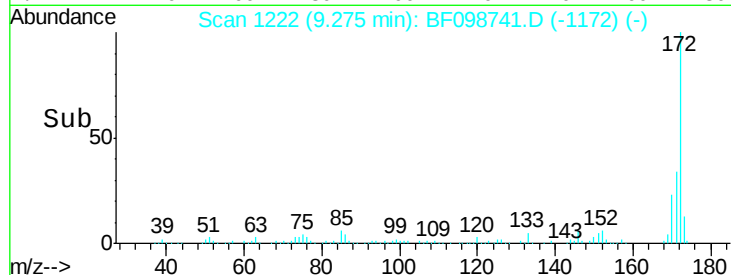
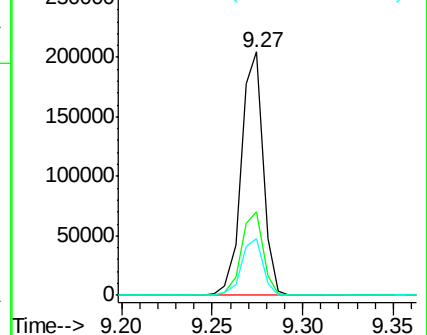
#44
2-Fluorobiphenyl
Concen: 9.70 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 171411
Ion Ratio Lower Upper
172 100
171 34.3 29.7 44.5
170 23.4 19.6 29.4

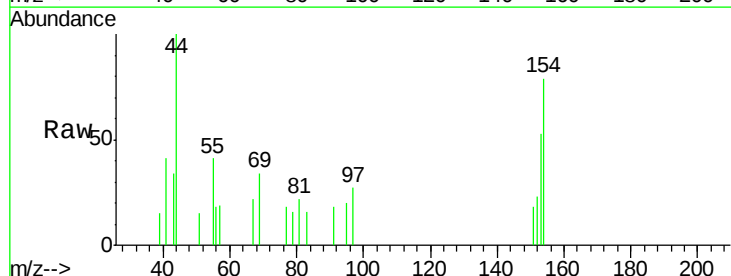


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

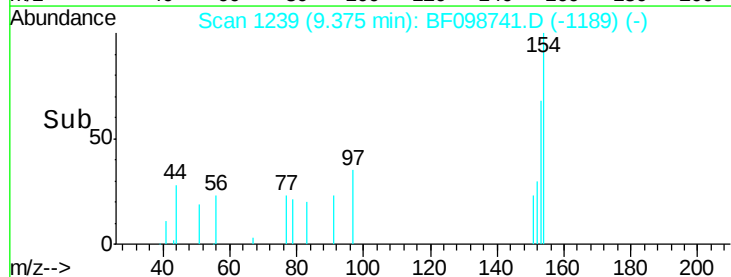
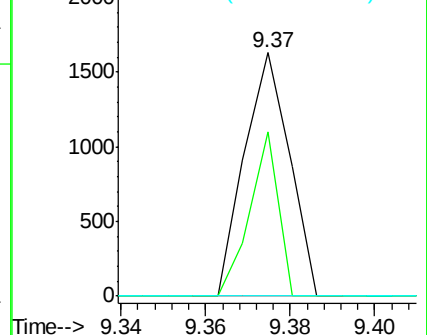


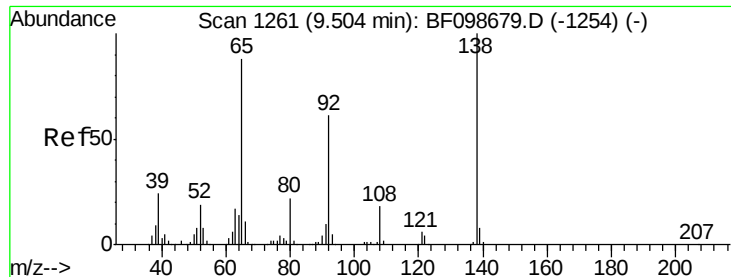
#45
1,1'-Biphenyl
Concen: 0.05 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Tgt Ion:154 Resp: 1205
Ion Ratio Lower Upper
154 100
153 67.5 21.3 61.3#
76 0.0 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





#47

2-Nitroaniline

Concen: 0.02 ng

RT: 9.53 min Scan# 1266

Delta R.T. 0.04 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

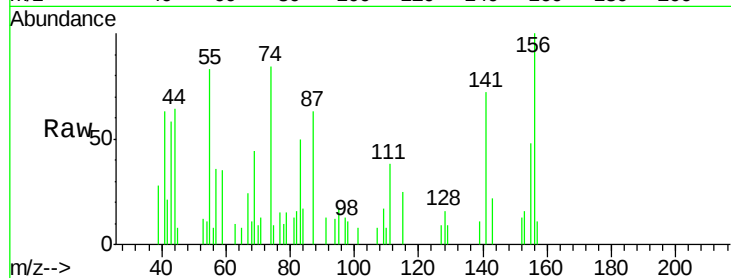
Tot Ion: 65 Resp: 115

Ion Ratio Lower Upper

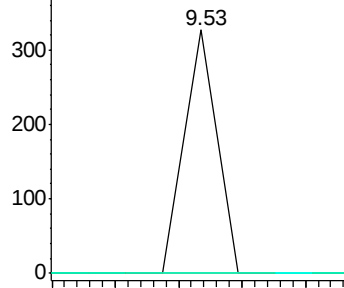
65 100

92 0.0 55.8 83.6#

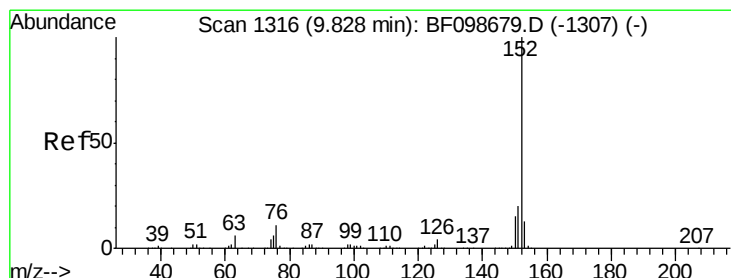
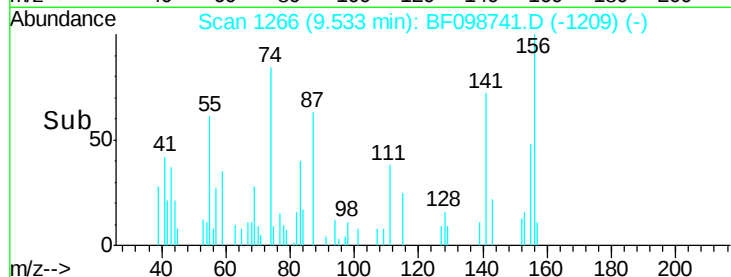
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



Time--> 9.51 9.52 9.53 9.54 9.55



#48

Acenaphthylene

Concen: 1.19 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

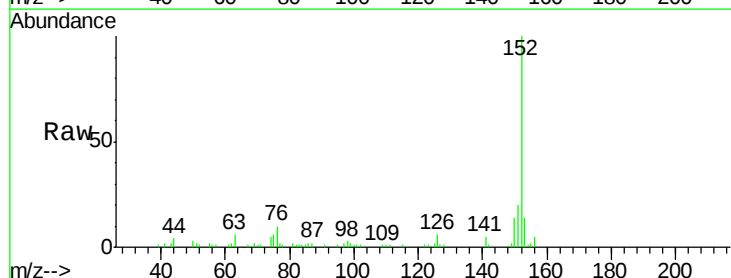
Tgt Ion:152 Resp: 34703

Ion Ratio Lower Upper

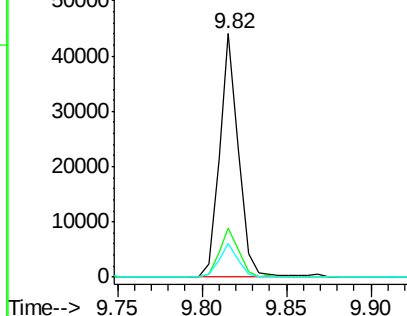
152 100

151 20.1 16.3 24.5

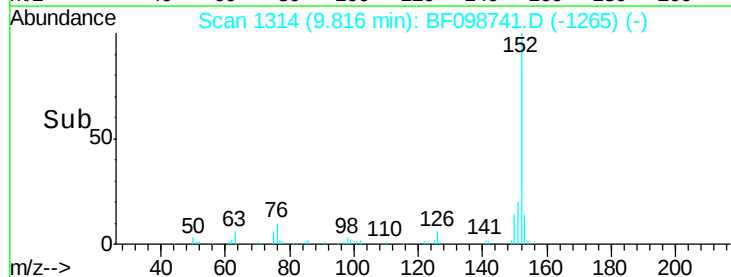
153 13.7 10.7 16.1

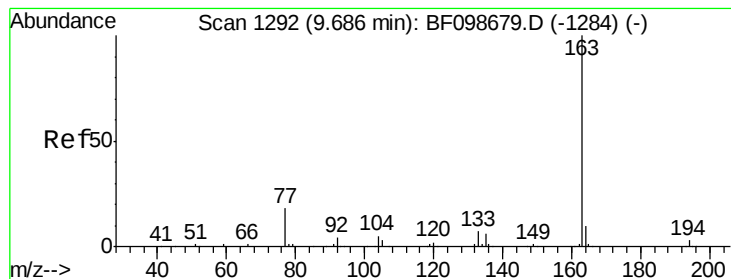


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time--> 9.75 9.80 9.85 9.90





#49

Dimethylphthalate

Concen: 0.72 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampled :

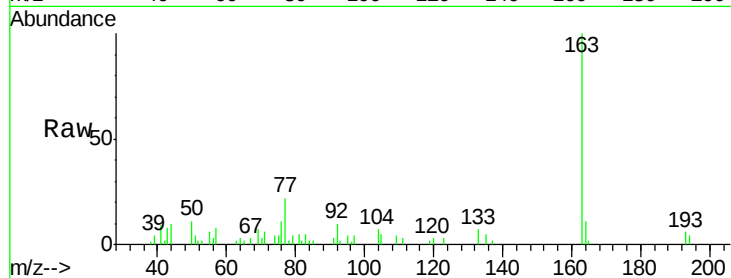
Tot Ion:163 Resp: 15944

Ion Ratio Lower Upper

163 100

194 4.4 2.7 4.1#

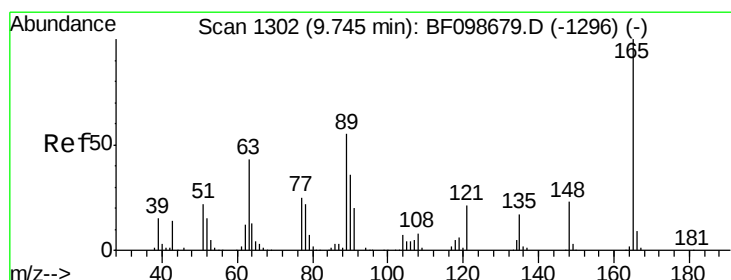
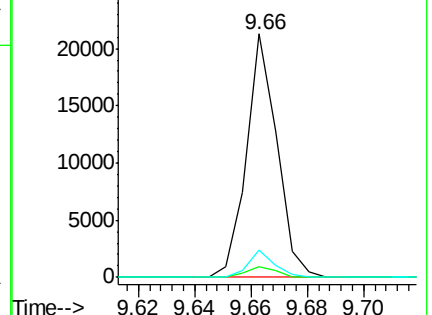
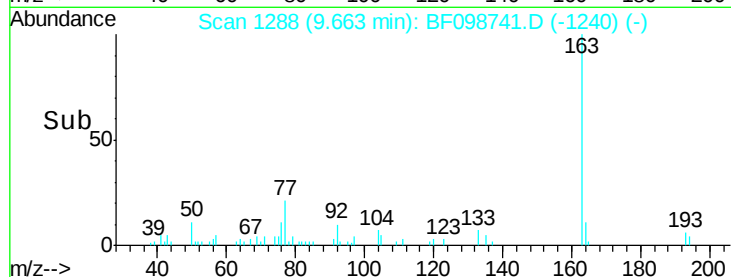
164 11.0 8.2 12.2



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: 7.92 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.22 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

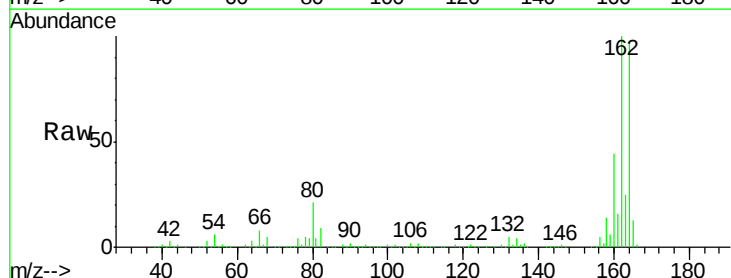
Tgt Ion:165 Resp: 38407

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

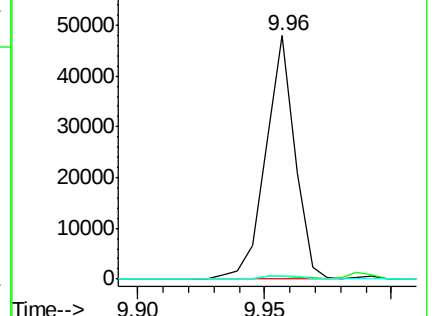
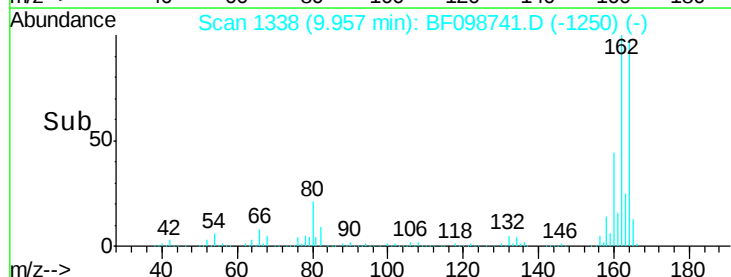
89 1.0 44.0 66.0#

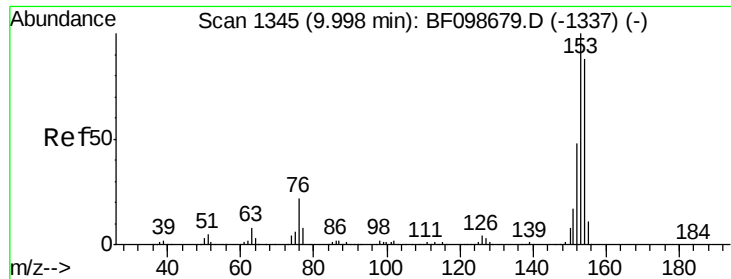


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.47 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

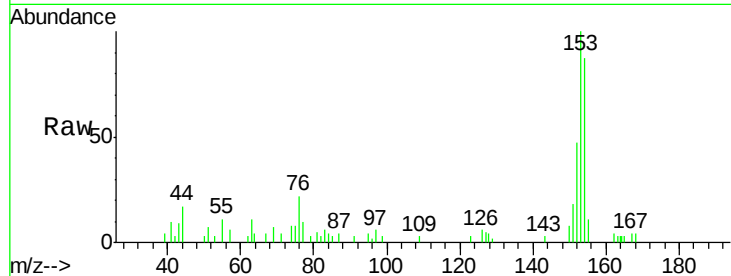
Tot Ion:154 Resp: 8728

Ion Ratio Lower Upper

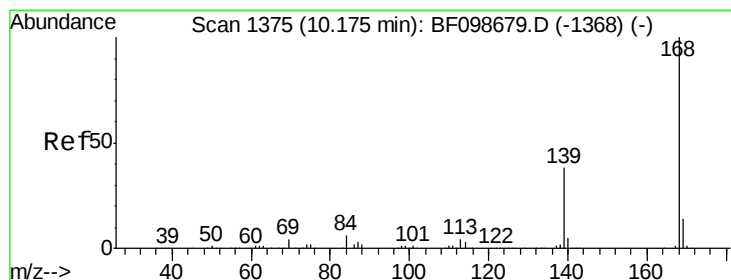
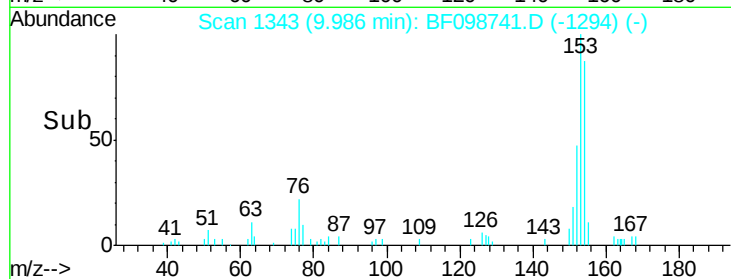
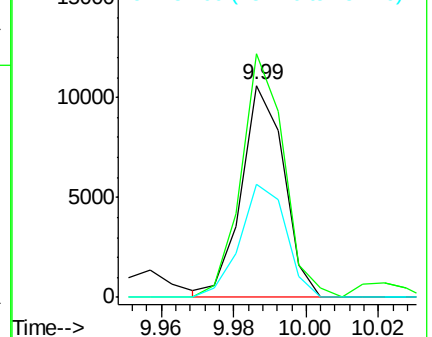
154 100

153 114.8 91.2 136.8

152 53.6 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 0.25 ng

RT: 10.16 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

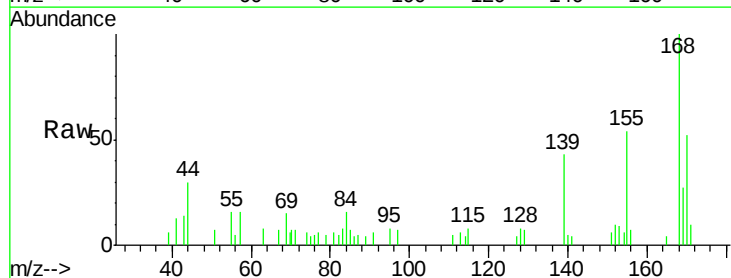
Tgt Ion:168 Resp: 6058

Ion Ratio Lower Upper

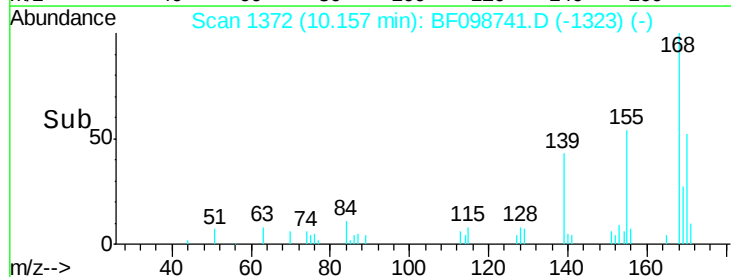
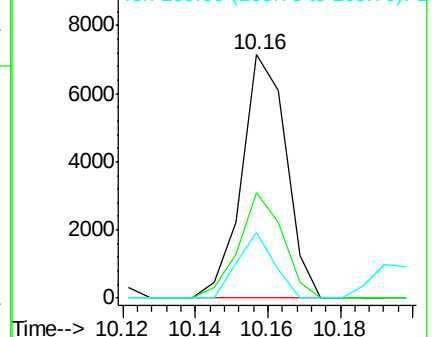
168 100

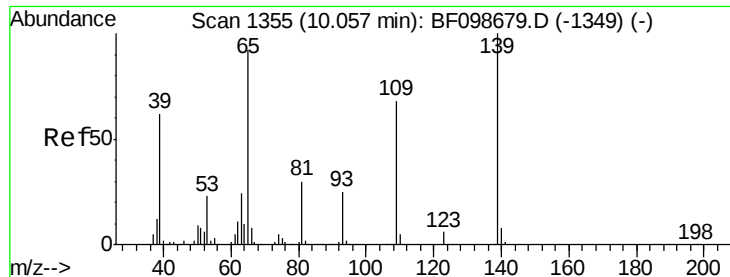
139 43.2 30.1 45.1

169 27.0 10.9 16.3#



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

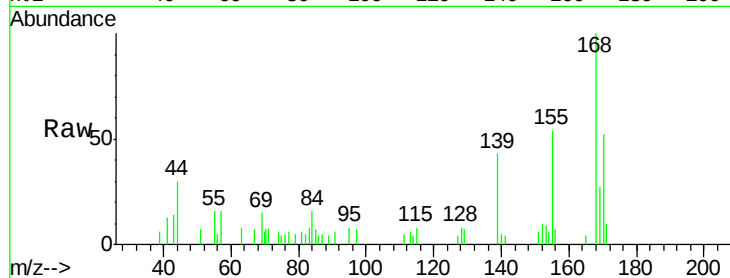




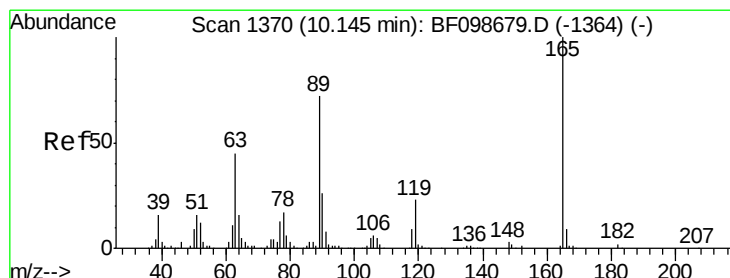
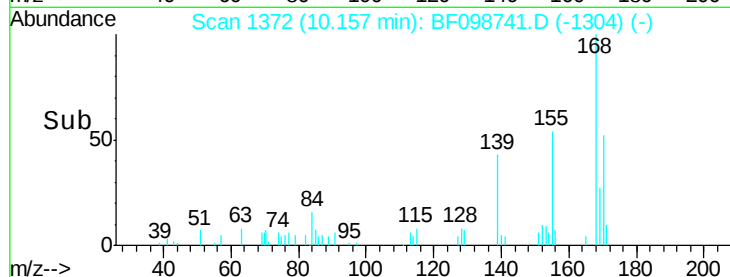
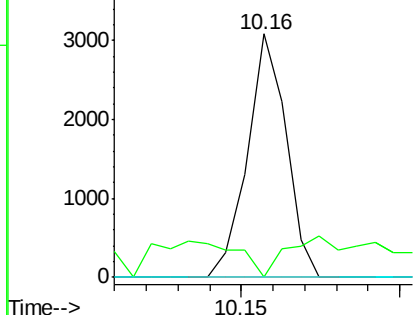
#55
4-Nitrophenol
Concen: 0.55 ng
RT: 10.16 min Scan# 1372
Delta R.T. 0.10 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

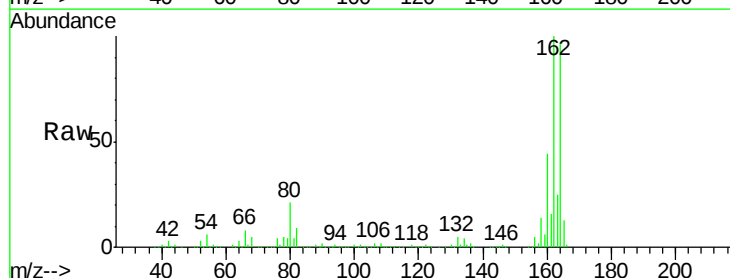


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

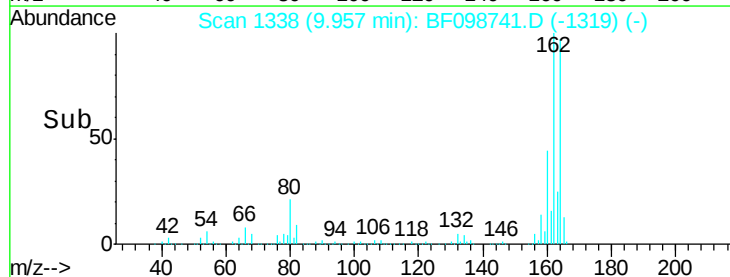
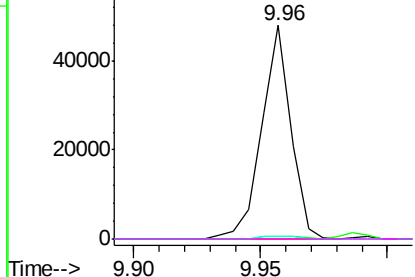


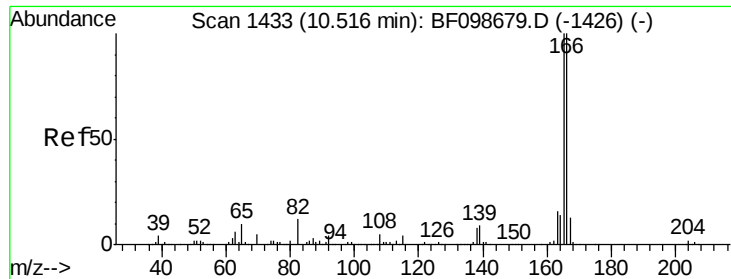
#56
2,4-Dinitrotoluene
Concen: 6.11 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.19 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 0.75 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

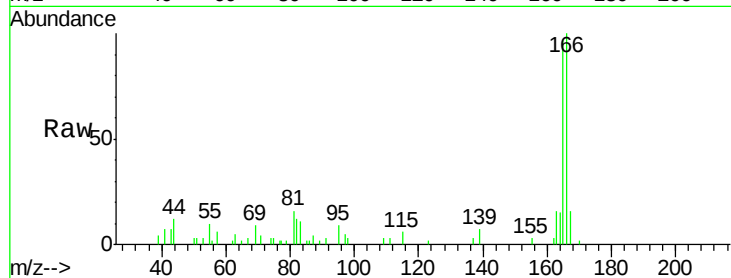
Instrument :

BNA_F

ClientSampleId :

Tot Ion:166 Resp: 14884

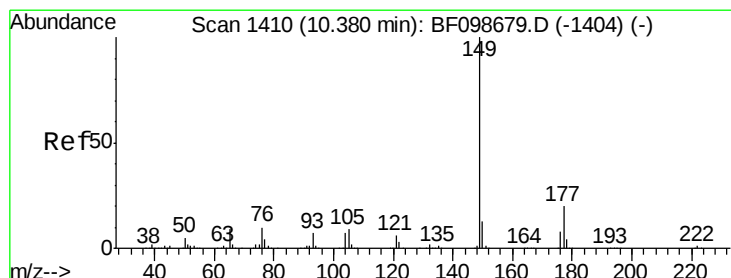
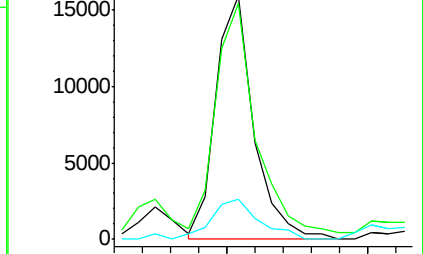
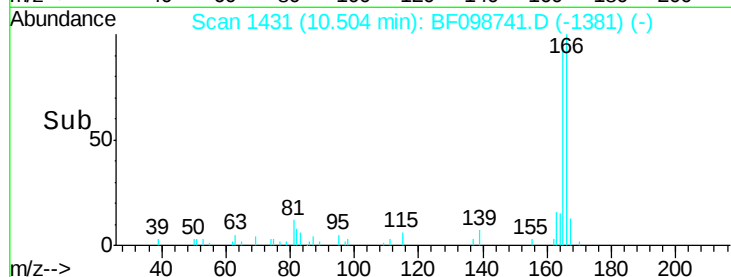
Ion	Ratio	Lower	Upper
166	100		
165	96.9	79.8	119.8
167	16.3	10.6	16.0#



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: 0.11 ng

RT: 10.36 min Scan# 1407

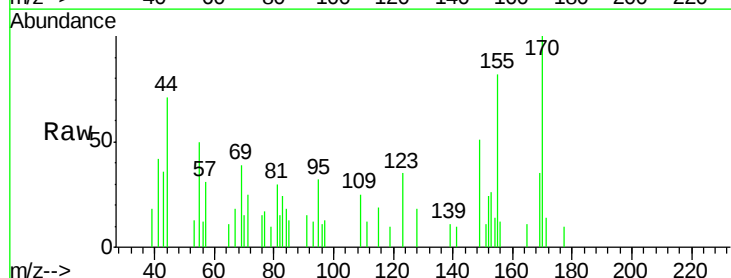
Delta R.T. -0.02 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Tgt Ion:149 Resp: 2390

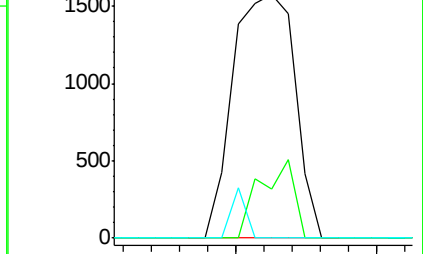
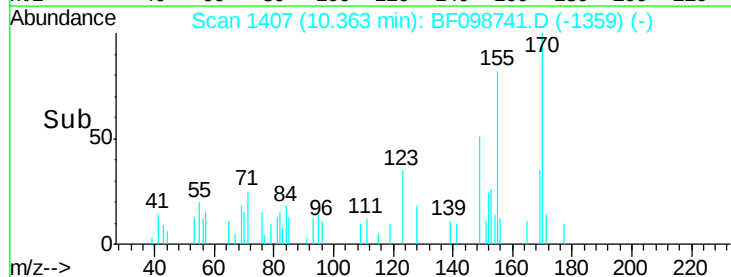
Ion	Ratio	Lower	Upper
149	100		
177	20.1	16.1	24.1
150	0.0	10.1	15.1#

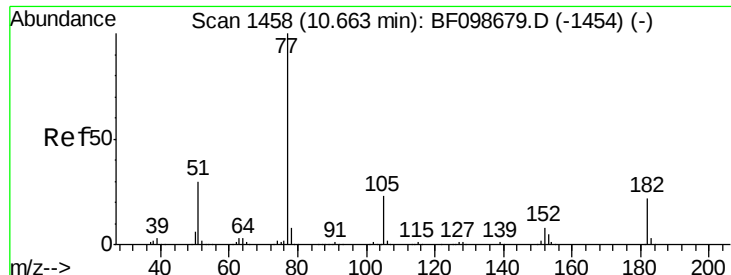


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.06 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 1165

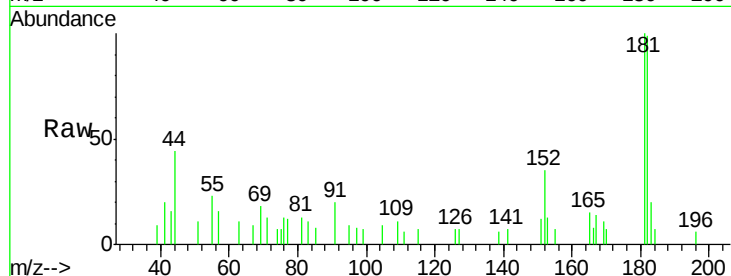
Ion Ratio Lower Upper

77 100

182 826.8 1.7 41.7#

105 74.3 3.0 43.0#

51 94.1 9.9 49.9#

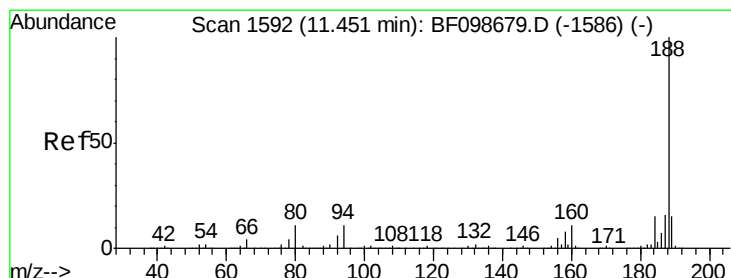
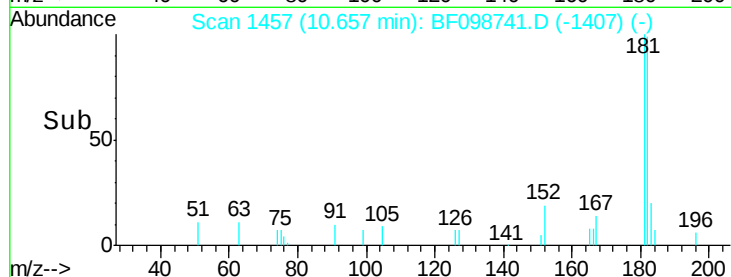
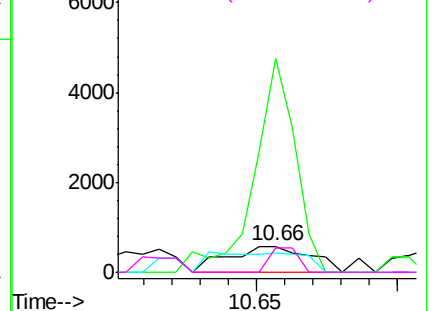


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

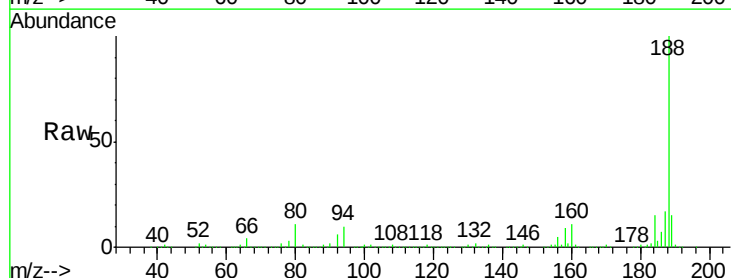
Tgt Ion: 188 Resp: 458029

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

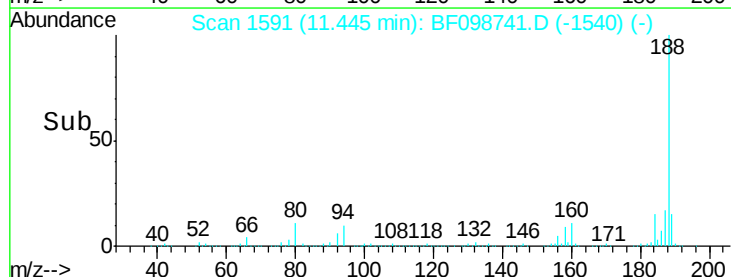
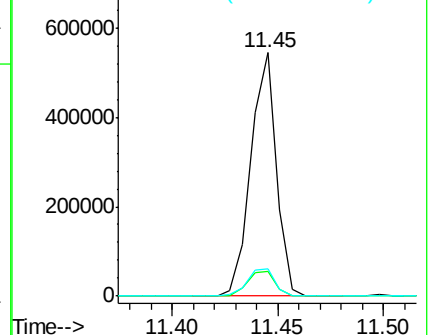
80 11.3 9.2 13.8

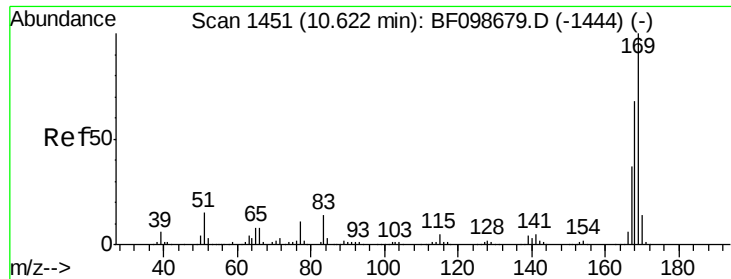


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.09 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampled :

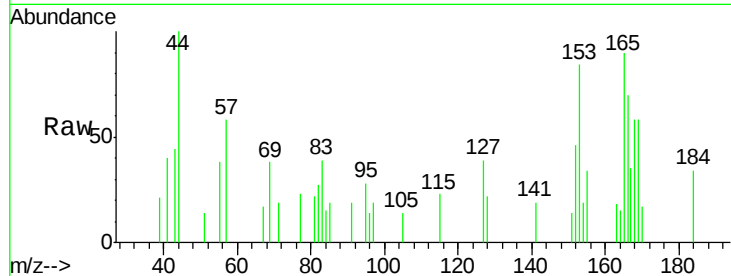
Tot Ion:169 Resp: 1467

Ion Ratio Lower Upper

169 100

168 99.5 54.4 81.6#

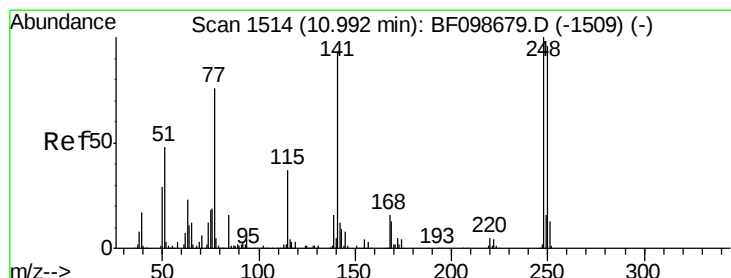
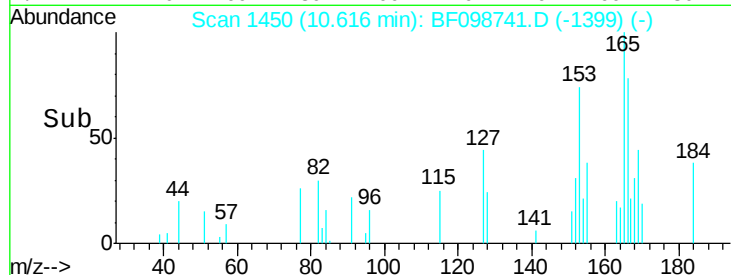
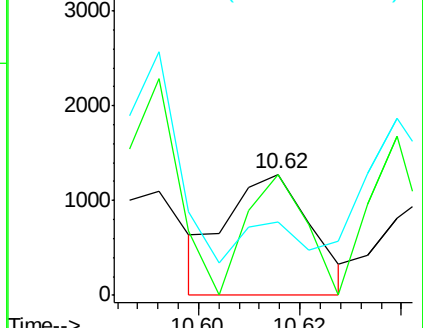
167 61.0 29.8 44.6#



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



#66

4-Bromophenyl-phenylether

Concen: 0.32 ng

RT: 10.74 min Scan# 1471

Delta R.T. -0.25 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

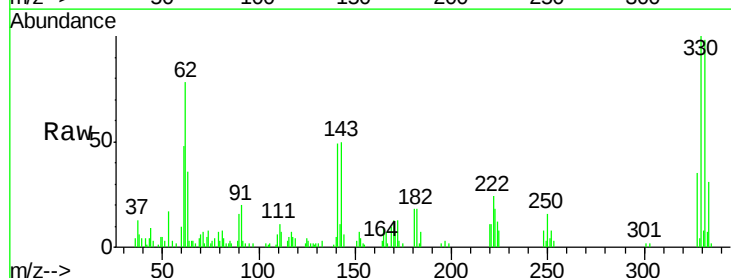
Tgt Ion:248 Resp: 1451

Ion Ratio Lower Upper

248 100

250 198.8 76.9 115.3#

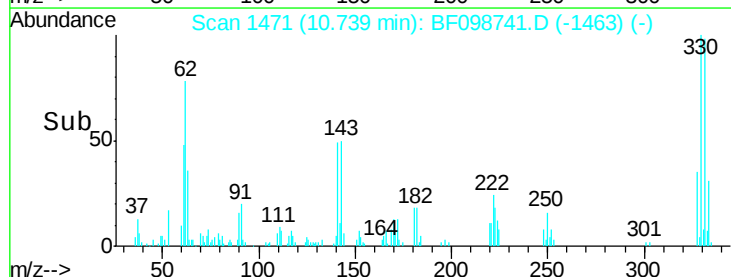
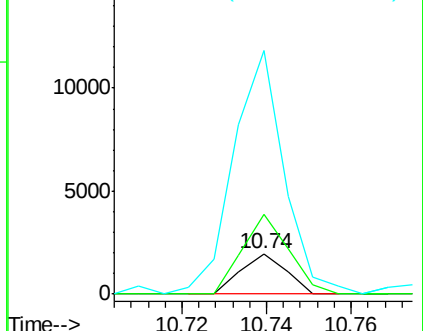
141 604.9 74.4 111.6#

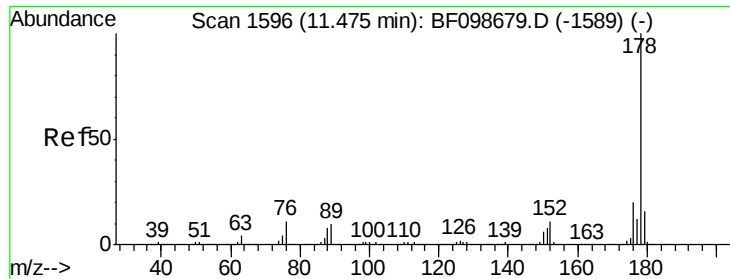


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 8.30 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

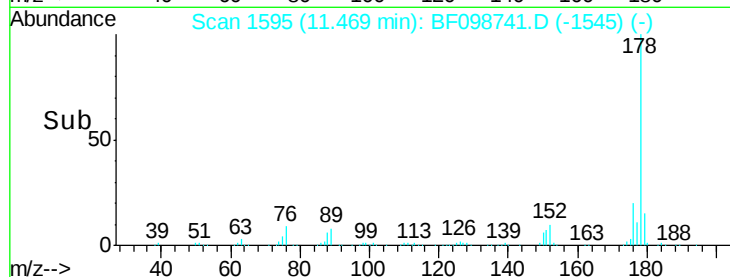
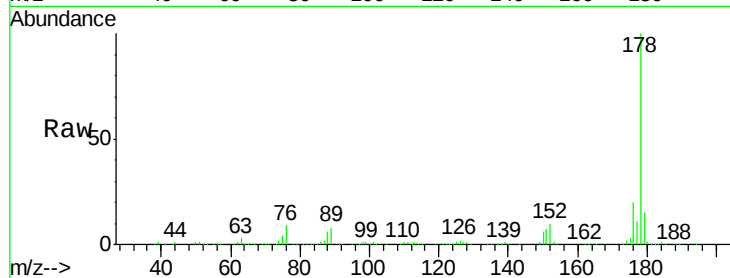
Tot Ion:178 Resp: 203382

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

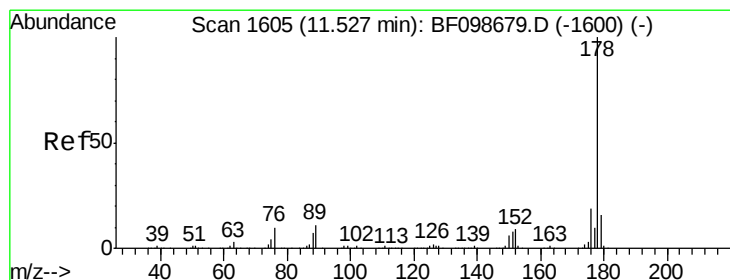
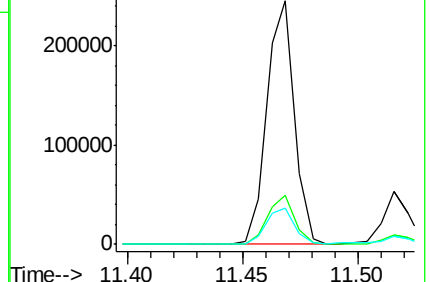
179 14.9 13.0 19.6



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: 1.58 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

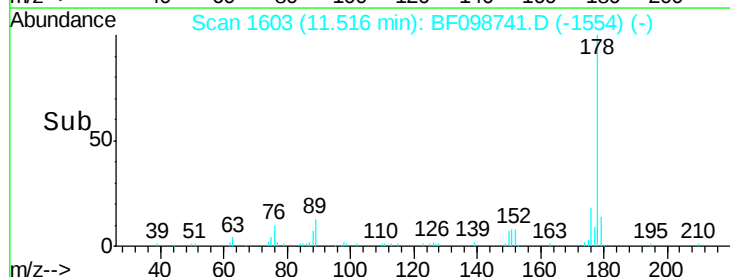
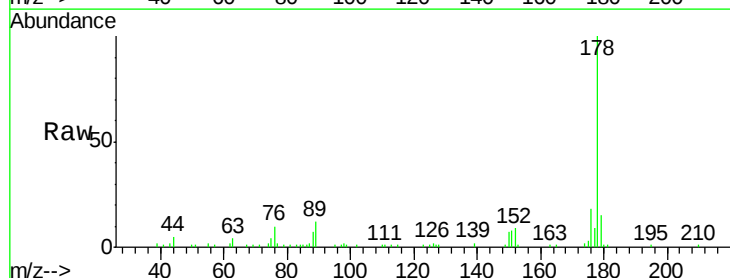
Tgt Ion:178 Resp: 39586

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

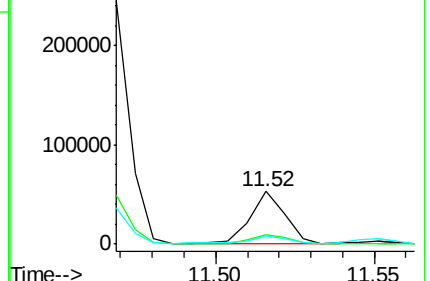
179 14.7 12.6 19.0

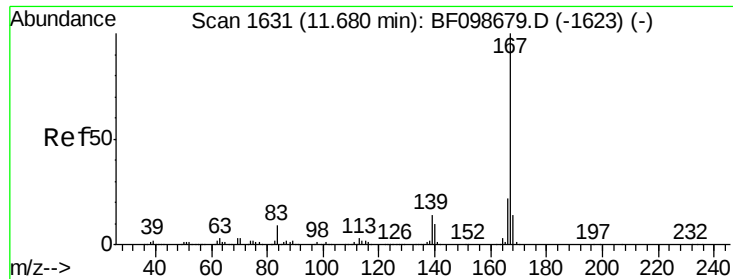


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.43 ng

RT: 11.67 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

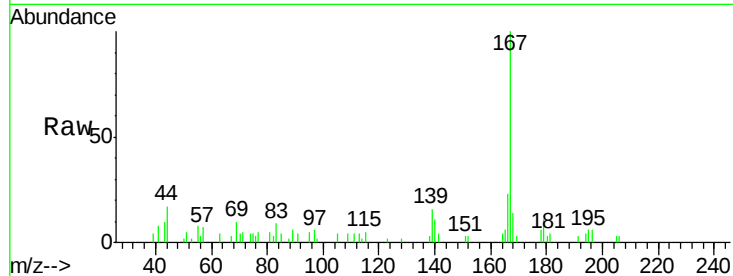
Tot Ion:167 Resp: 10562

Ion Ratio Lower Upper

167 100

166 22.5 17.6 26.4

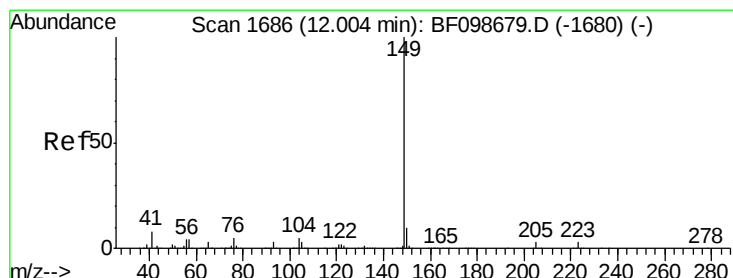
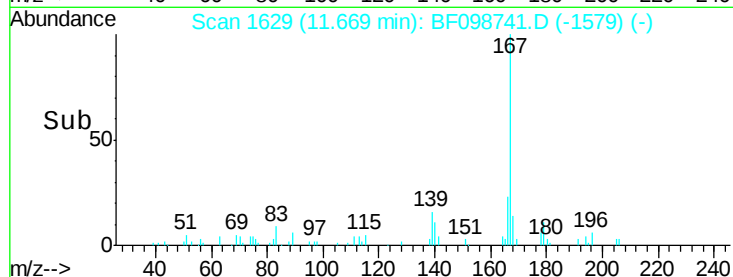
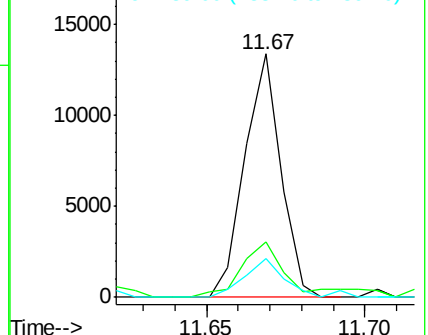
139 16.0 10.9 16.3



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: 0.08 ng

RT: 12.00 min Scan# 1685

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

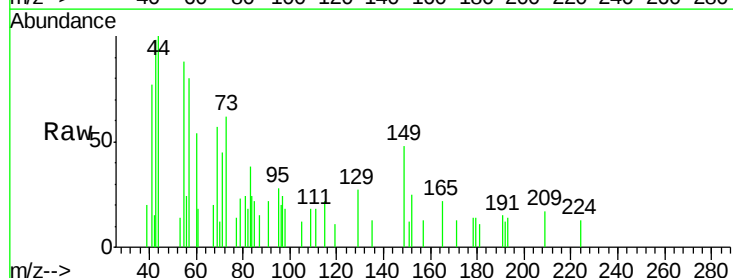
Tgt Ion:149 Resp: 2462

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

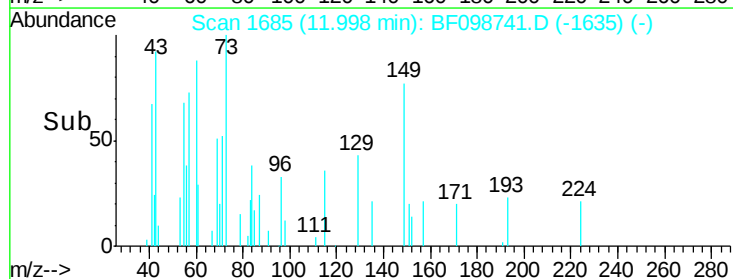
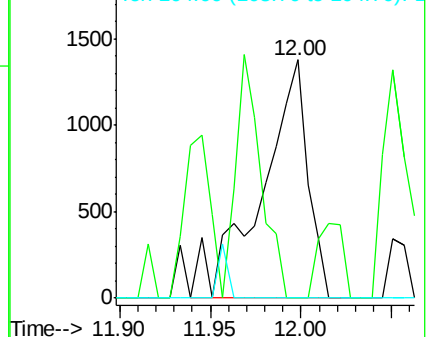
104 0.0 3.8 5.8#

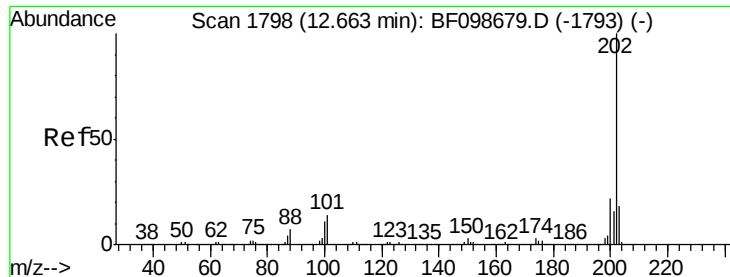


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 13.72 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampled :

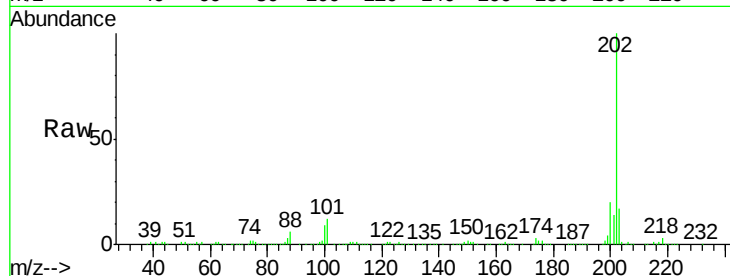
Tot Ion:202 Resp: 340644

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

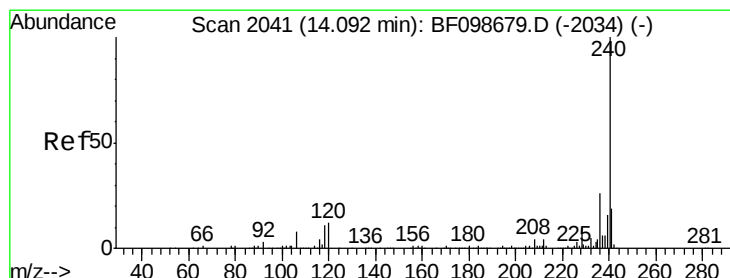
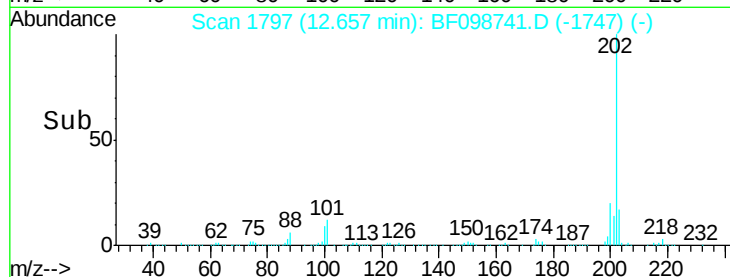
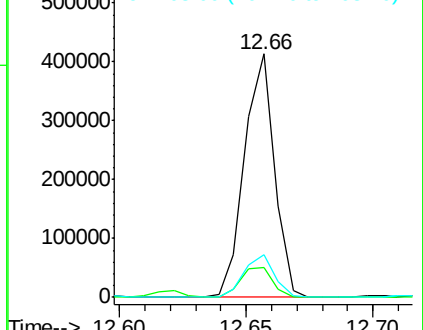
203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

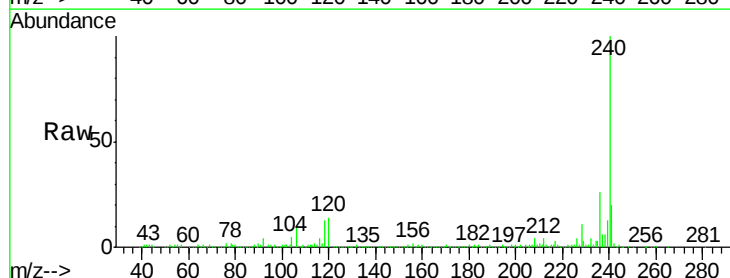
Tgt Ion:240 Resp: 279977

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3

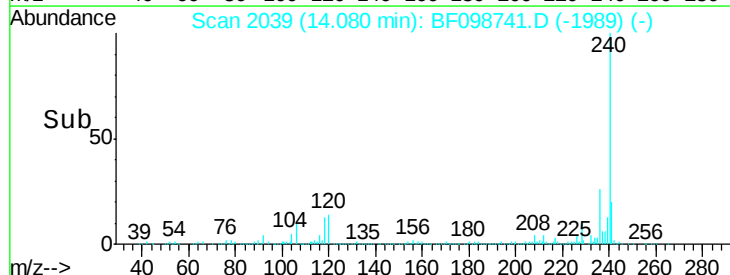
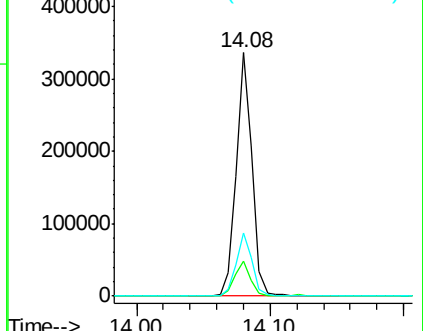
236 25.9 20.7 31.1

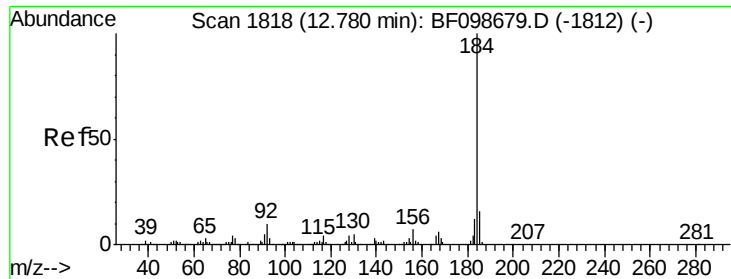


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

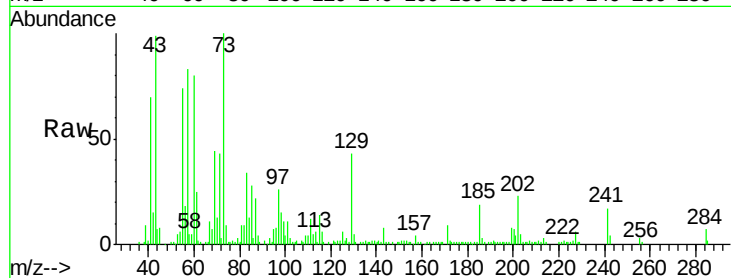




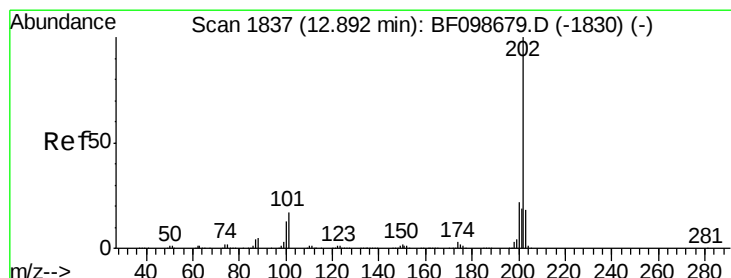
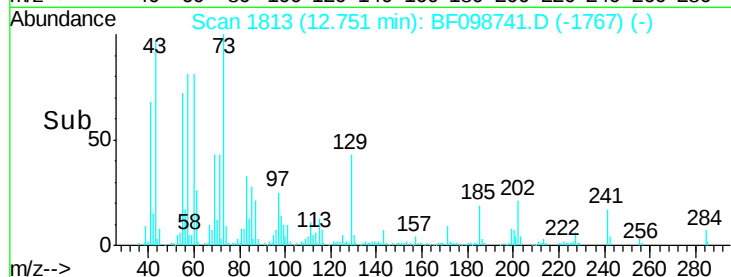
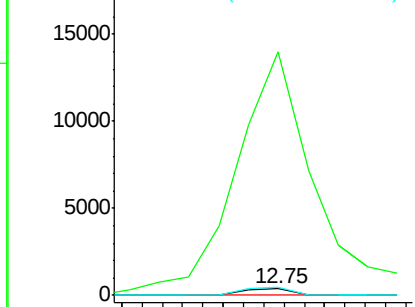
#76
Benzidine
Concen: 0.02 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.03 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 246
Ion Ratio Lower Upper
184 100
185 3824.3 12.6 18.8#
183 121.6 9.3 13.9#

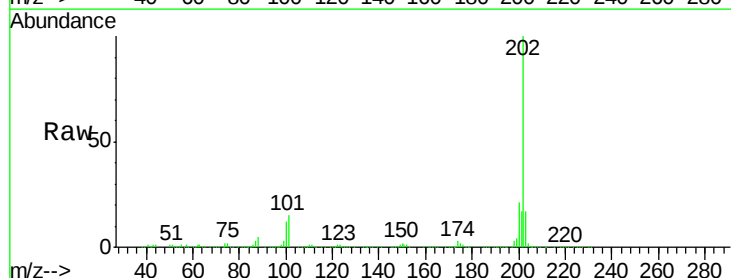


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

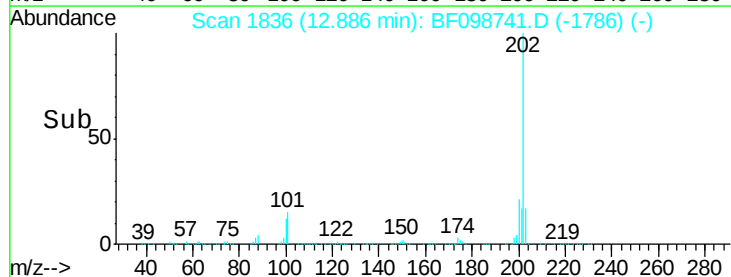
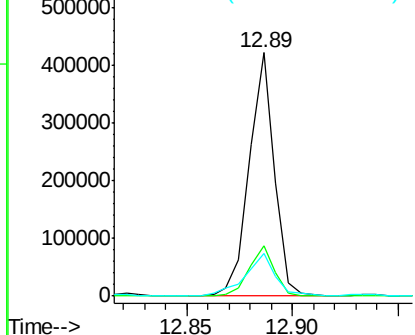


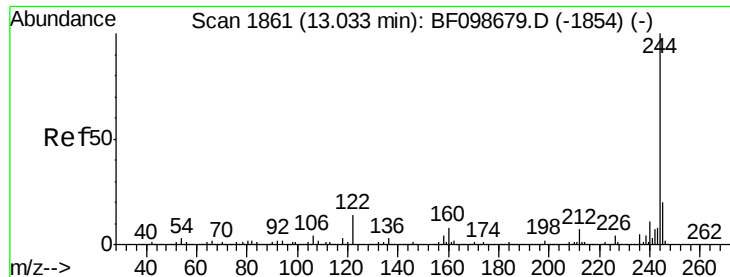
#77
Pyrene
Concen: 16.36 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Tgt Ion:202 Resp: 349376
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.5 14.3 21.5



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

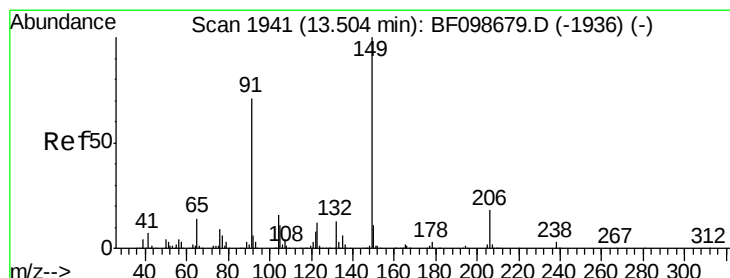
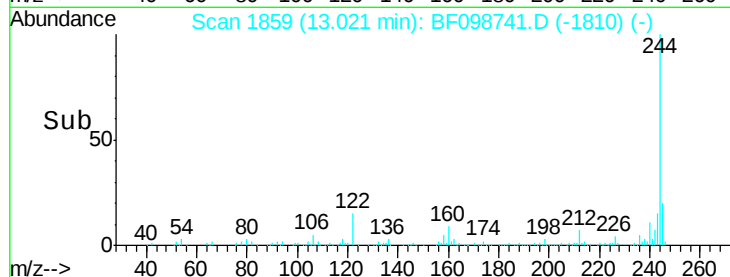
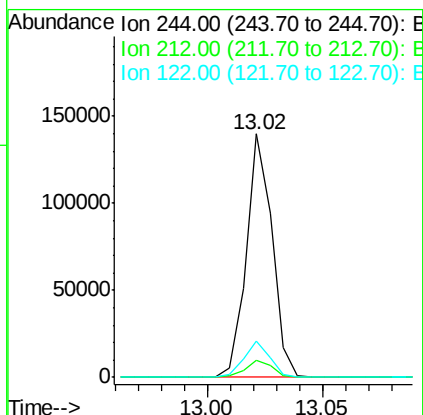
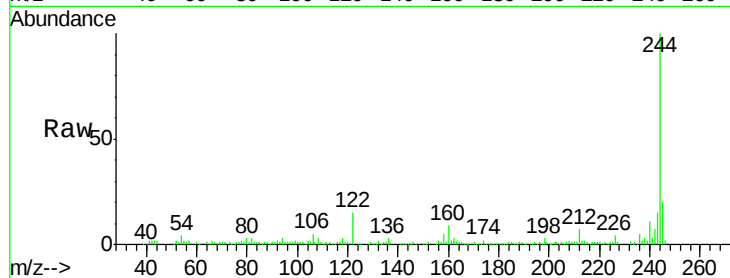




#78
 Terphenyl-d14
 Concen: 8.88 ng
 RT: 13.02 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: BF098741.D
 Acq: 23 Sep 2017 16:13

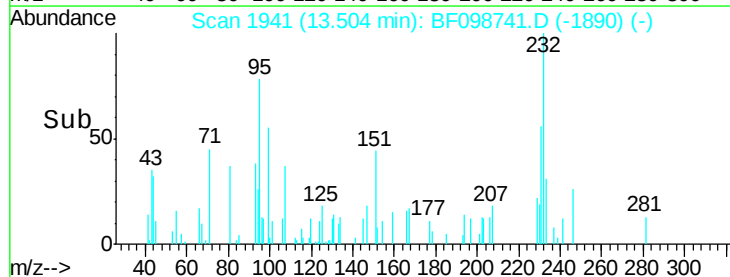
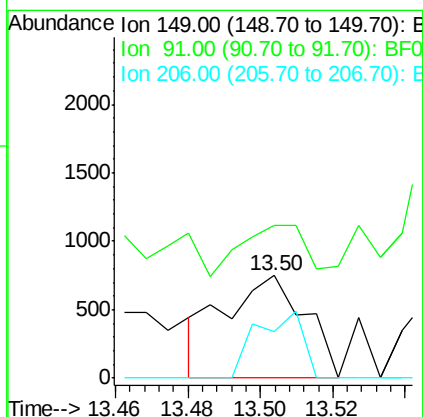
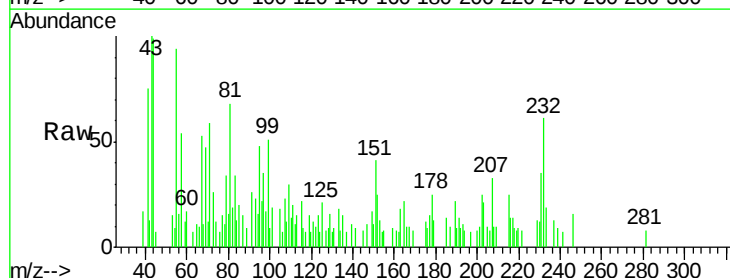
Instrument :
 BNA_F
 ClientSampleId :

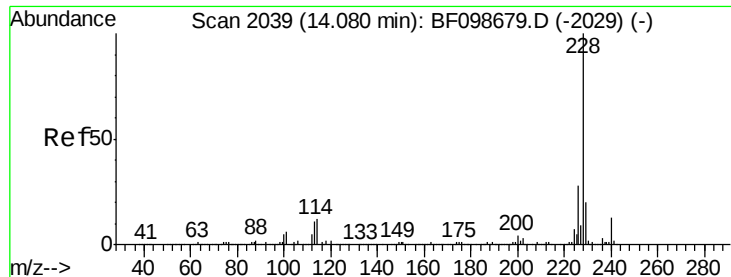
Tot Ion:244 Resp: 109338
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 15.0 11.0 16.4



#79
 Butylbenzylphthalate
 Concen: 0.12 ng
 RT: 13.50 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: BF098741.D
 Acq: 23 Sep 2017 16:13

Tgt Ion:149 Resp: 1159
 Ion Ratio Lower Upper
 149 100
 91 149.7 56.8 85.2#
 206 45.5 14.1 21.1#





#80

Benzo(a)anthracene

Concen: 8.56 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

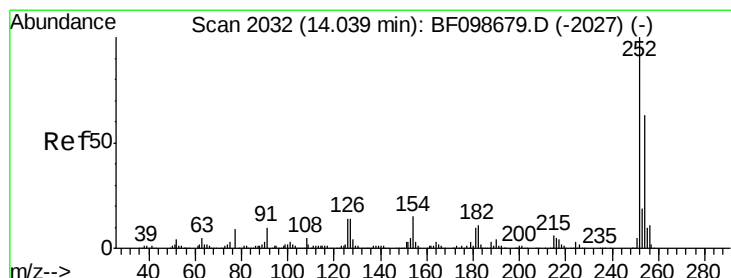
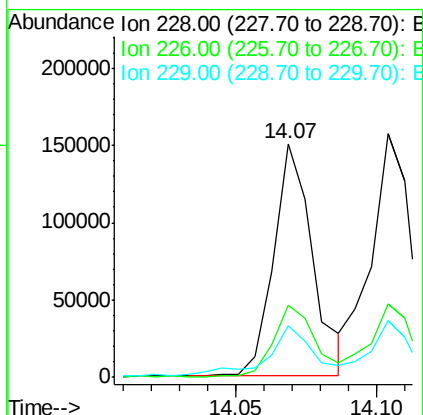
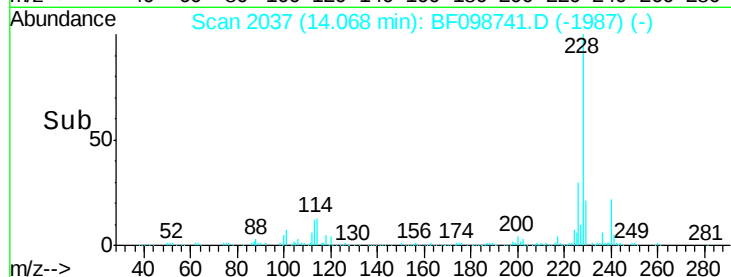
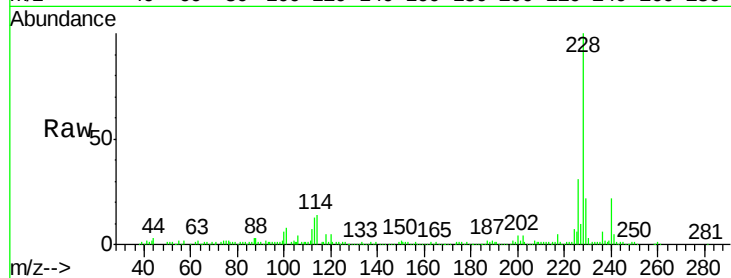
Tot Ion:228 Resp: 145064

Ion Ratio Lower Upper

228 100

226 30.6 22.6 33.8

229 22.1 15.8 23.6



#81

3,3'-Dichlorobenzidine

Concen: 0.02 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

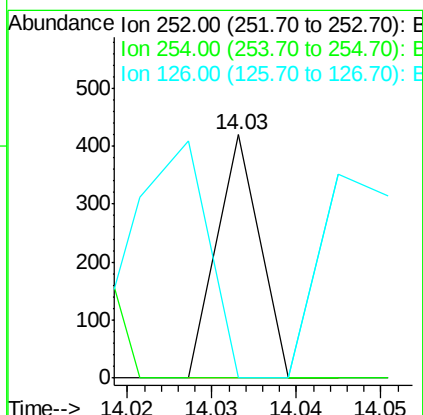
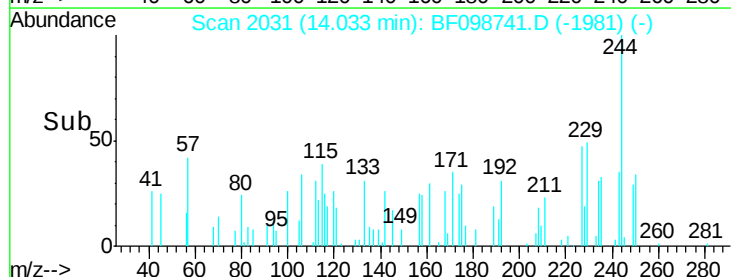
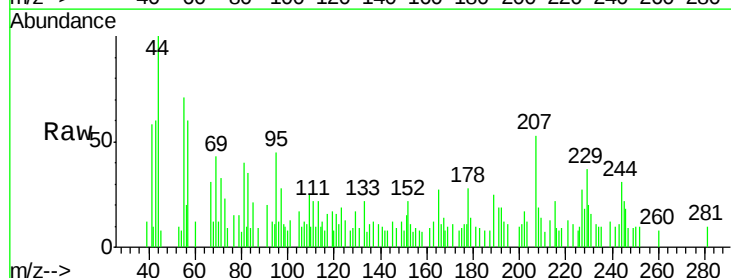
Tgt Ion:252 Resp: 148

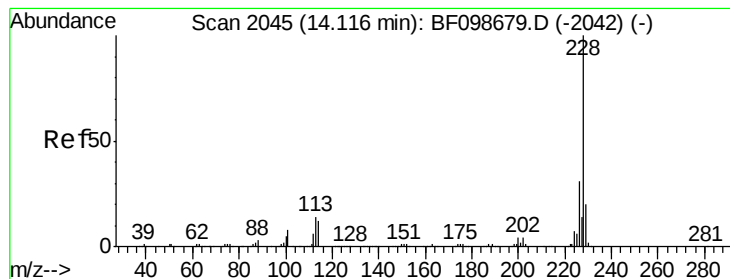
Ion Ratio Lower Upper

252 100

254 0.0 50.4 75.6#

126 0.0 11.3 16.9#





#82

Chrysene

Concen: 9.42 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

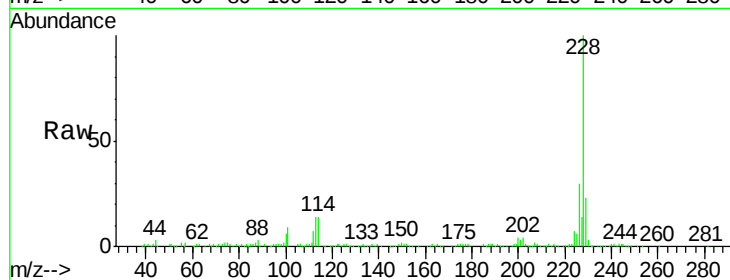
Tot Ion:228 Resp: 152010

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

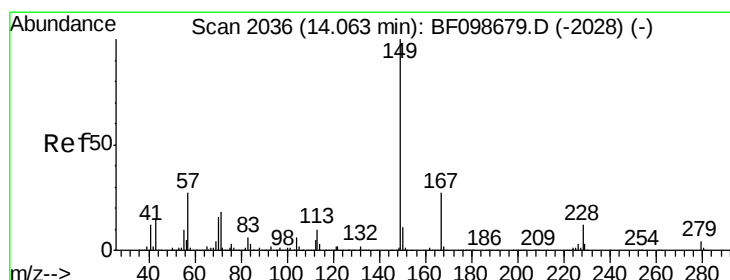
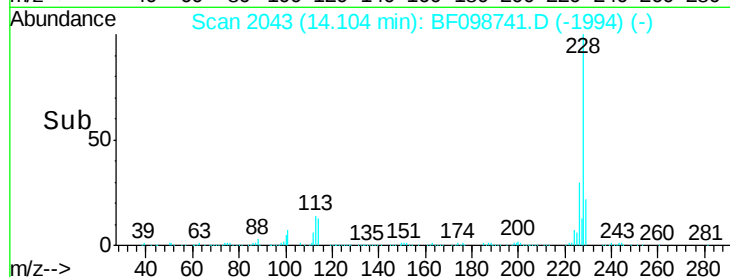
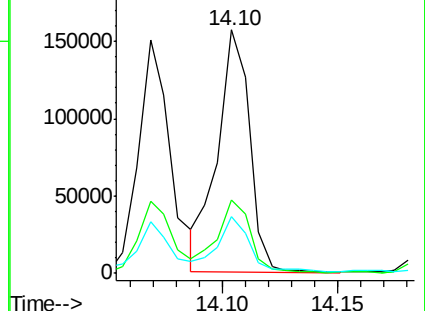
229 23.3 16.2 24.4



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: 0.31 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

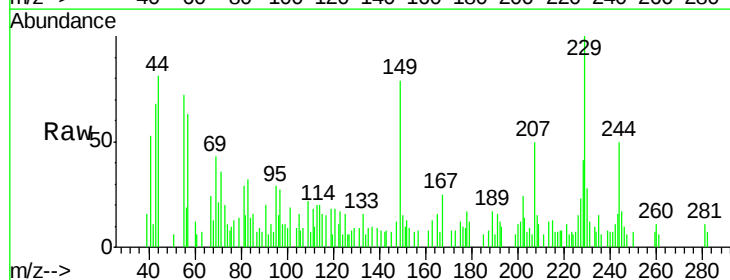
Tgt Ion:149 Resp: 4345

Ion Ratio Lower Upper

149 100

167 31.5 21.3 31.9

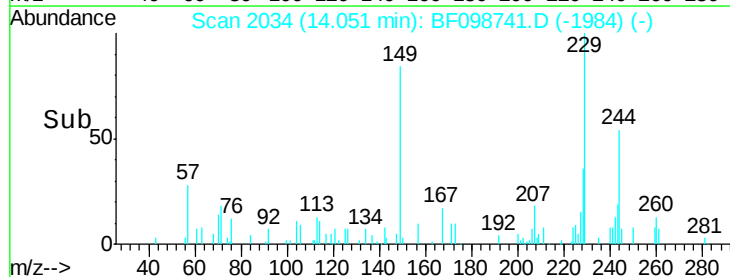
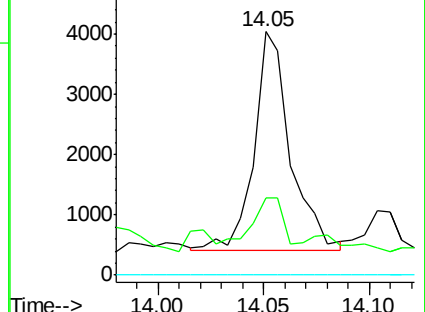
279 0.0 3.0 4.4#

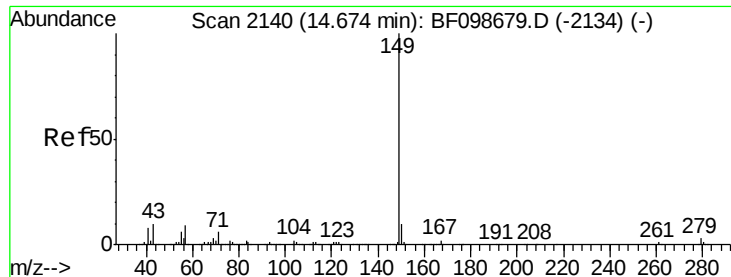


Abundance Ion 149.00 (148.70 to 149.70): E

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: 14.66 min Scan# 2138

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

ClientSampleId :

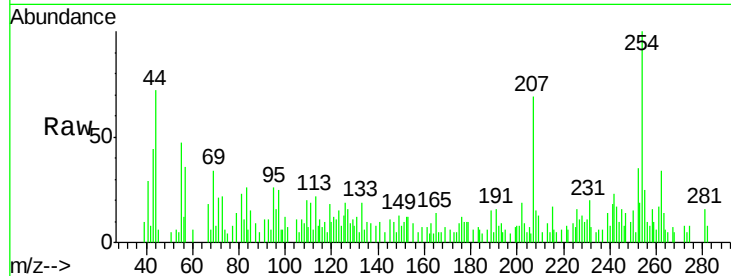
Tot Ion:149 Resp: 391

Ion Ratio Lower Upper

149 100

167 180.6 1.2 1.8#

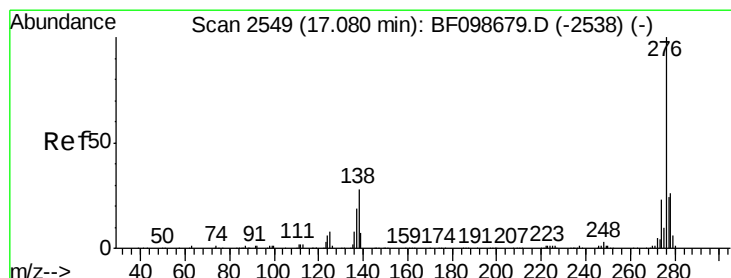
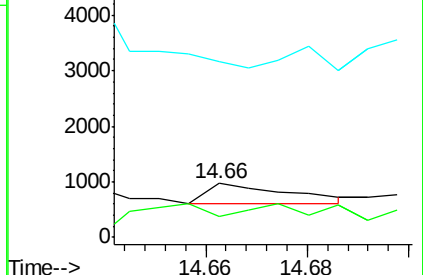
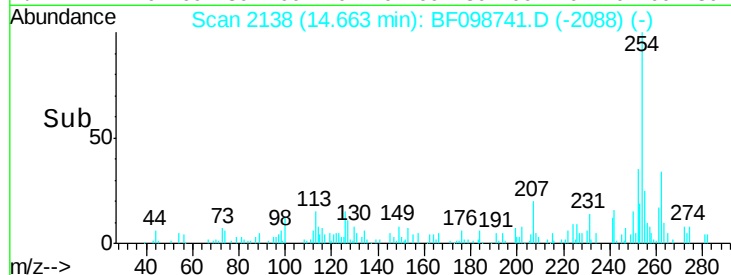
43 0.0 8.4 12.6#



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: 5.91 ng

RT: 17.07 min Scan# 2547

Delta R.T. -0.02 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

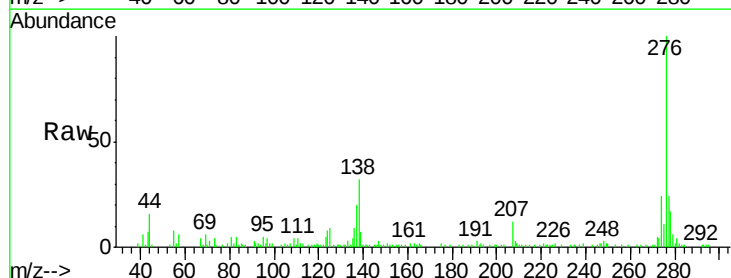
Tgt Ion:276 Resp: 76254

Ion Ratio Lower Upper

276 100

138 30.0 25.0 37.6

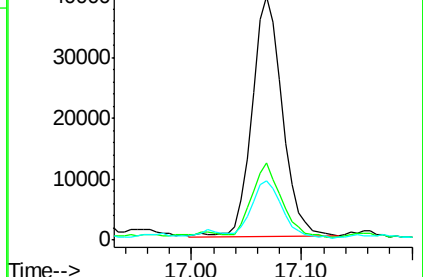
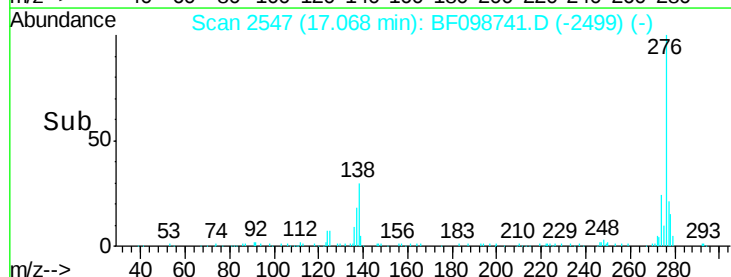
277 24.1 20.1 30.1

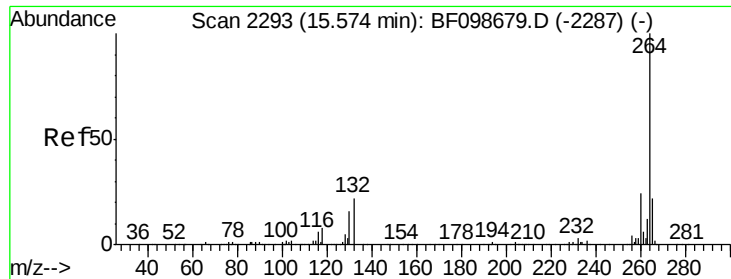


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

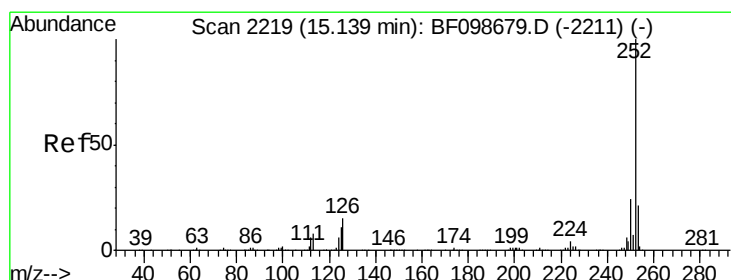
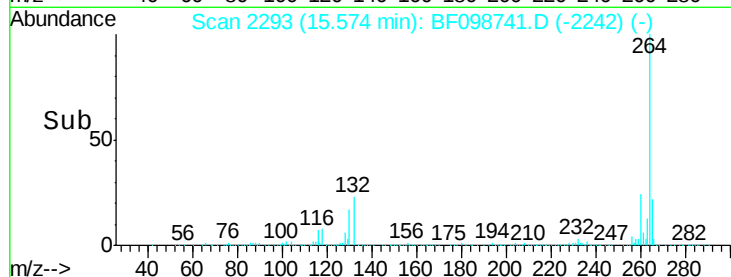
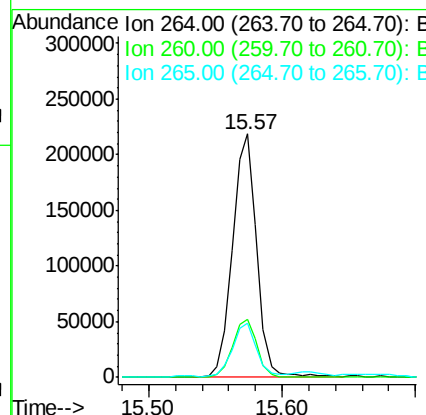
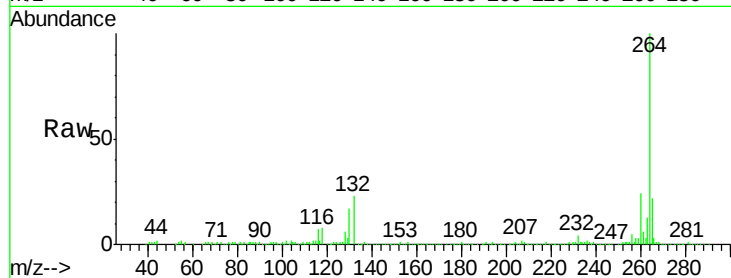




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

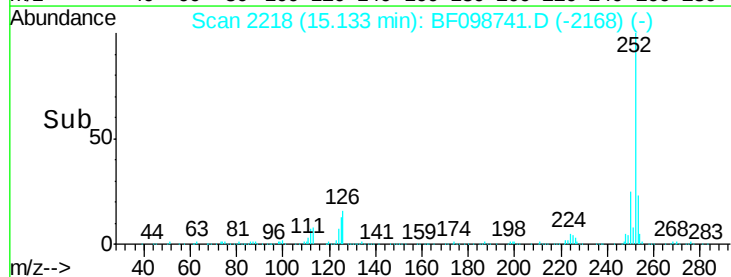
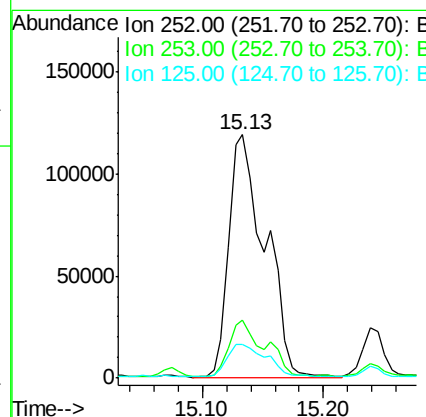
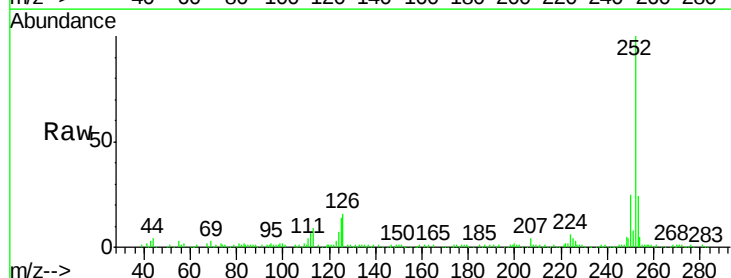
Instrument :
BNA_F
ClientSampled :

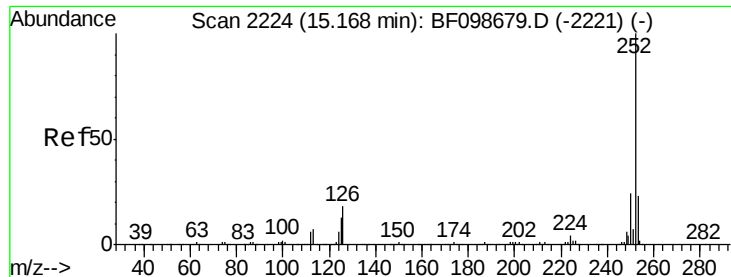
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.3	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 14.65 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	13.9	9.0	13.6#

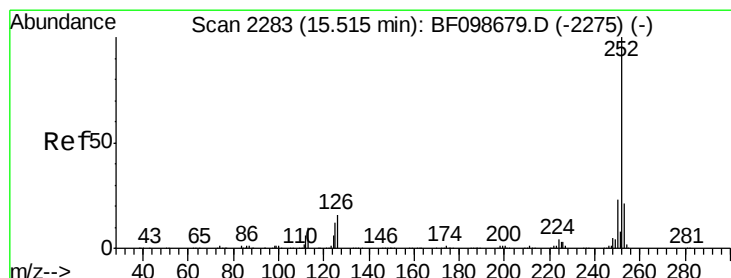
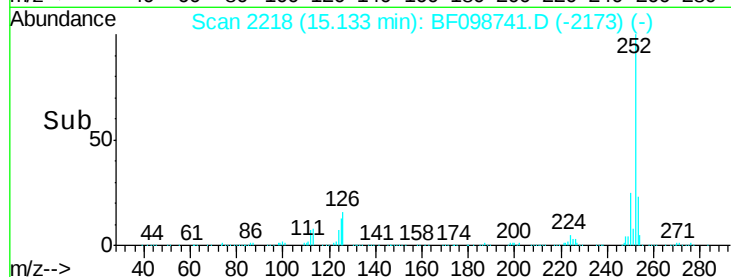
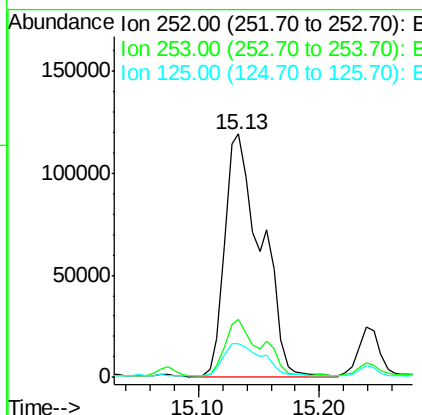
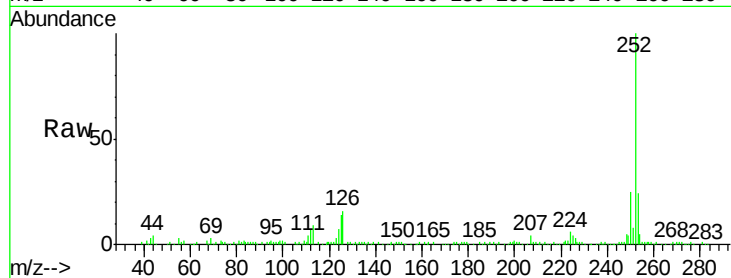




#88
Benzo(k)fluoranthene
Concen: 14.83 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

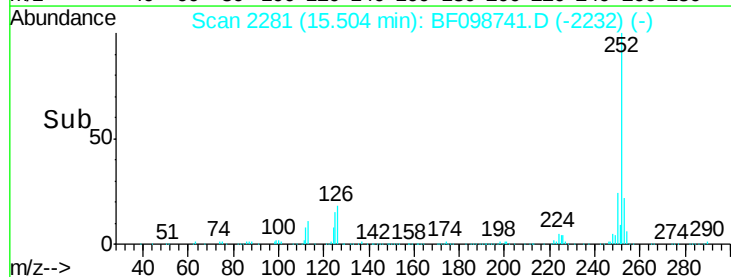
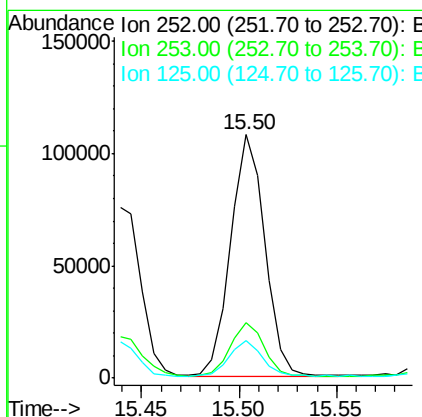
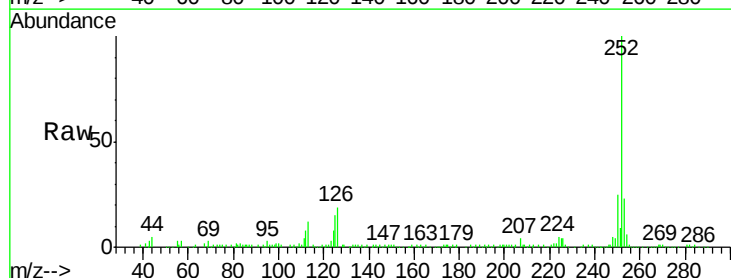
Instrument :
BNA_F
ClientSampleId :

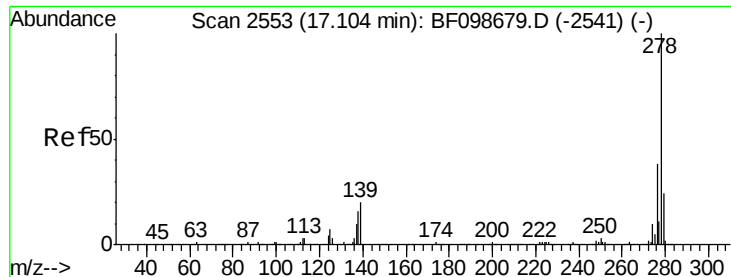
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 8.45 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	15.5	9.8	14.6

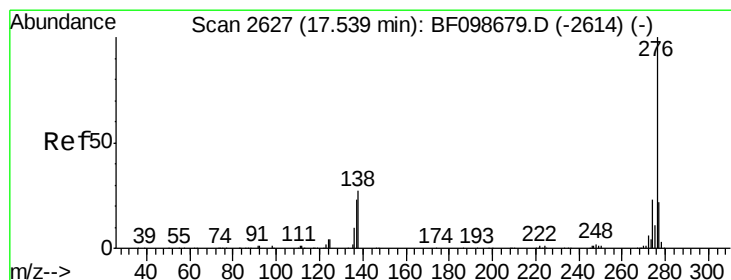
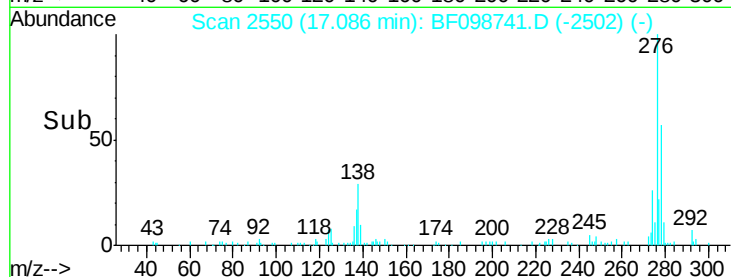
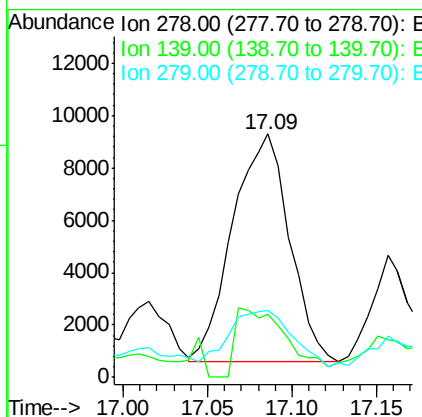
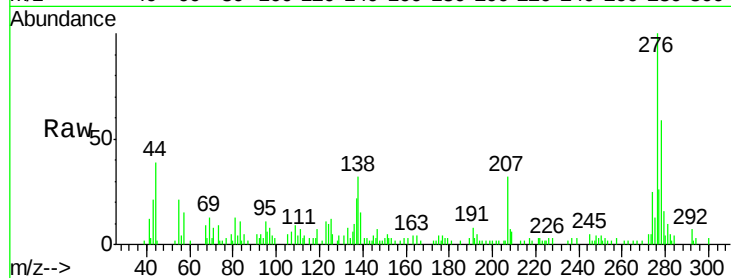




#90
Dibenzo(a,h)anthracene
Concen: 1.63 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.02 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.7	15.9	23.9#
279	27.3	19.0	28.4



#91
Benzo(g,h,i)perylene
Concen: 6.27 ng
RT: 17.53 min Scan# 2625
Delta R.T. -0.02 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	31.9	21.8	32.8

