

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098886.D
 Acq On : 28 Sep 2017 2:13
 Operator : SJ/JU
 Sample : I5421-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 06:10:02 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	132151	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	541047	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	231293	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	362801	20.00	ng	0.00
75) Chrysene-d12	14.08	240	285766	20.00	ng	0.00
86) Perylene-d12	15.57	264	223107	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	913999	110.10	ng	0.00
7) Phenol-d6	6.54	99	1189681	116.17	ng	0.00
23) Nitrobenzene-d5	7.47	82	665794	78.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	182497	96.43	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	903180	65.19	ng	-0.01
78) Terphenyl-d14	13.03	244	714958	56.90	ng	0.00

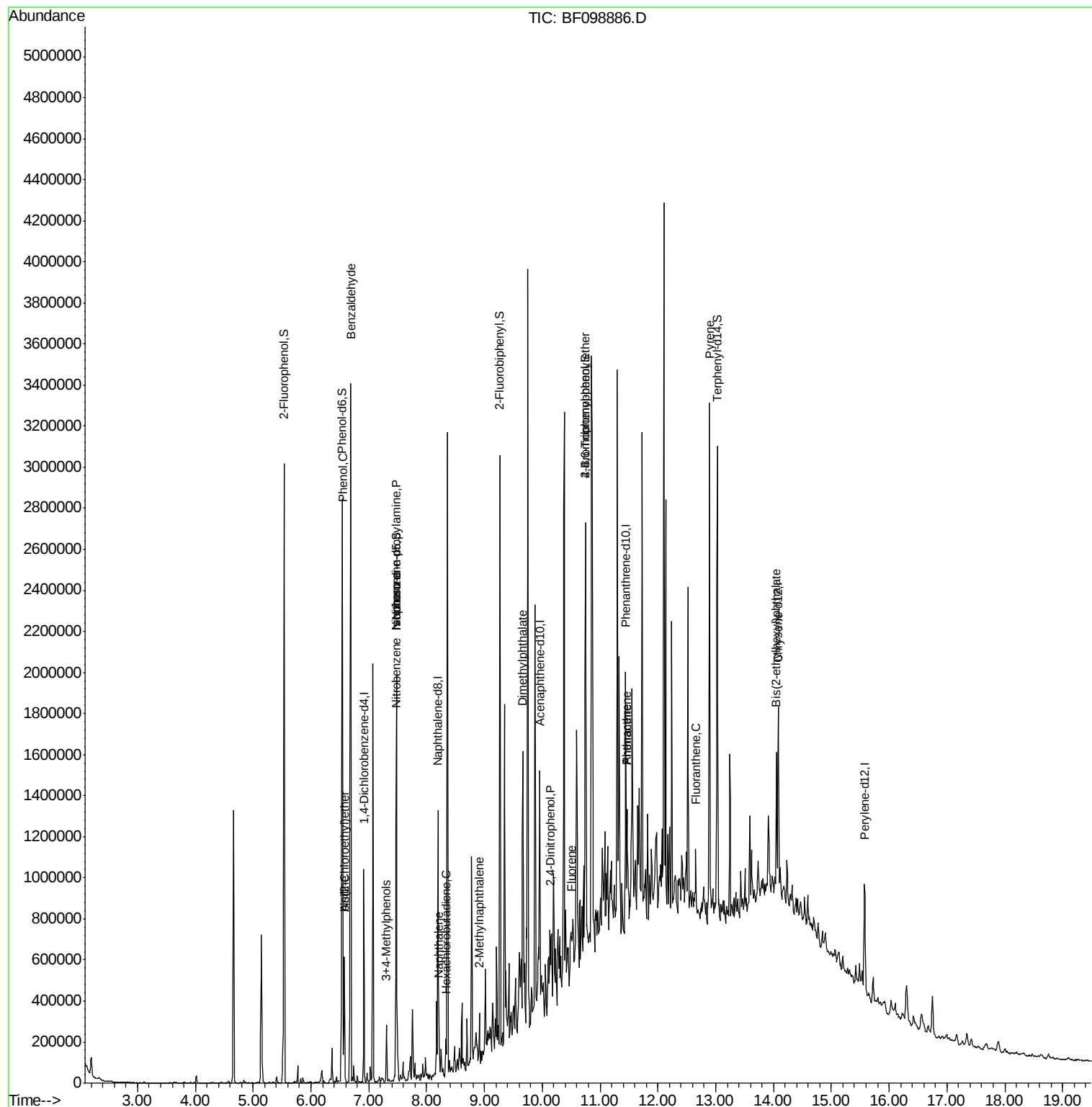
Target Compounds						Qvalue
6) Aniline	6.57	93	216872	15.69	ng	98
9) Benzaldehyde	6.69	77	20949	3.53	ng	80
10) Phenol	6.55	94	28607	2.50	ng	94
11) bis(2-Chloroethyl)ether	6.57	93	216872	24.36	ng	# 24
19) n-Nitroso-di-n-propylamine	7.47	70	87582	13.40	ng	# 78
20) 3+4-Methylphenols	7.30	107	51289	5.27	ng	# 48
24) Nitrobenzene	7.49	77	20734	2.17	ng	# 45
25) Isophorone	7.47	82	662081	37.96	ng	# 64
31) Naphthalene	8.22	128	69259	2.73	ng	100
34) Hexachlorobutadiene	8.33	225	17326	4.51	ng	96
37) 2-Methylnaphthalene	8.91	142	61195	3.70	ng	97
49) Dimethylphthalate	9.66	163	221940	12.71	ng	# 98
53) 2,4-Dinitrophenol	10.14	184	112	5.88	ng	# 1
57) Fluorene	10.50	166	32301	2.09	ng	# 78
66) 4-Bromophenyl-phenylether	10.74	248	12971	3.65	ng	# 1
70) Phenanthrene	11.47	178	135766	6.99	ng	98
71) Anthracene	11.47	178	135766	6.83	ng	98
74) Fluoranthene	12.66	202	80767	4.11	ng	89
77) Pvrene	12.89	202	89623	4.11	ng	# 94
83) Bis(2-ethylhexyl)phthalate	14.05	149	184095	13.06	ng	99

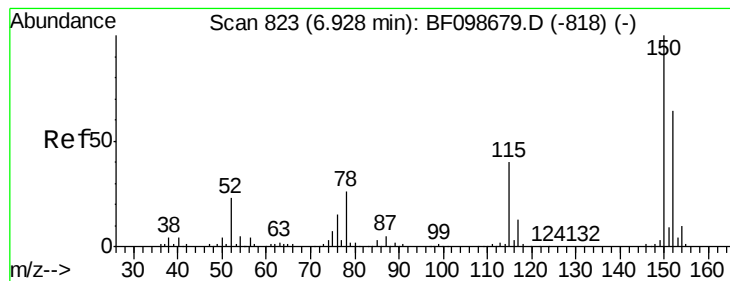
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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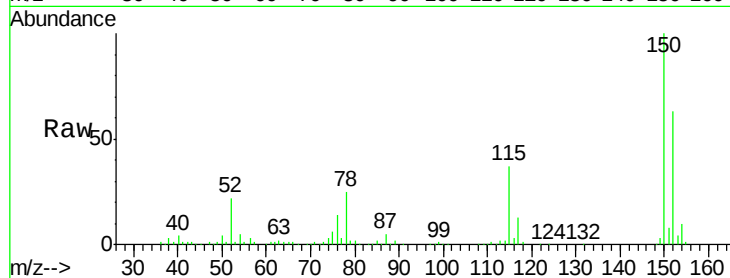


#1

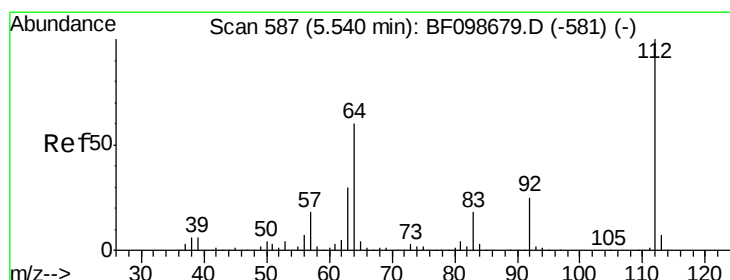
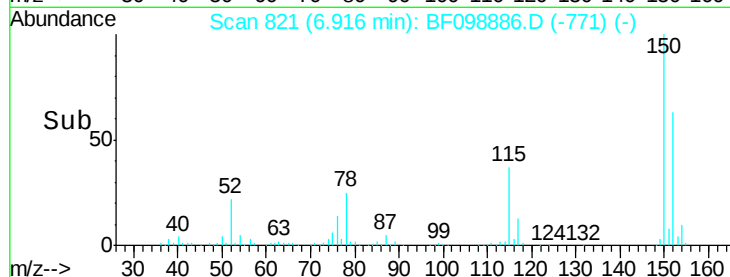
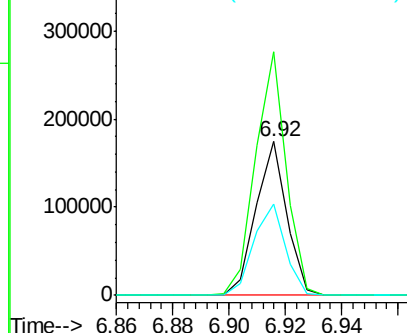
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF098886.D
 Acq: 28 Sep 2017 2:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	59.3	50.1	75.1



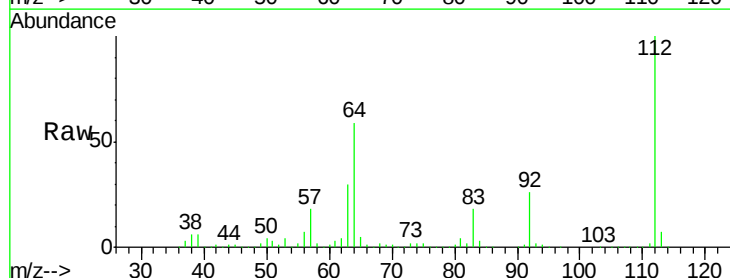
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



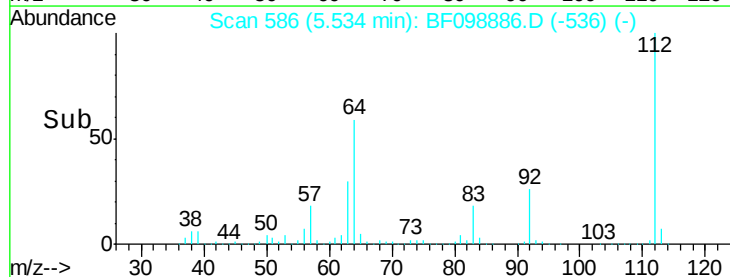
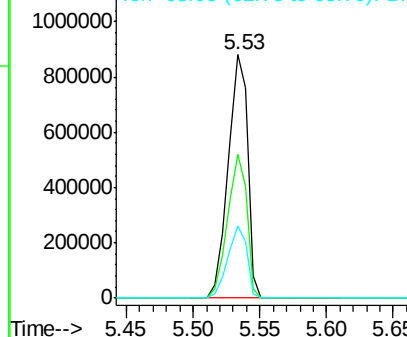
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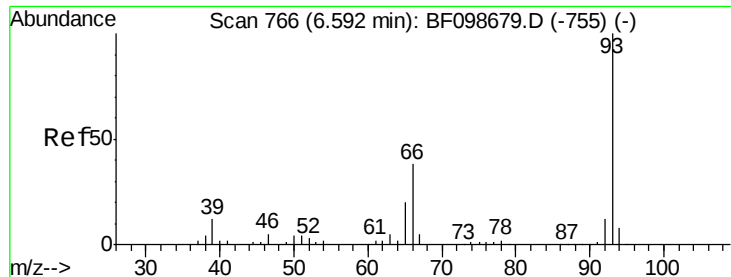
2-Fluorophenol
 Concen: 110.10 ng
 RT: 5.53 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: BF098886.D
 Acq: 28 Sep 2017 2:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.9	71.9
63	29.6	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: 15.69 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

Instrument :

BNA_F

ClientSampleId :

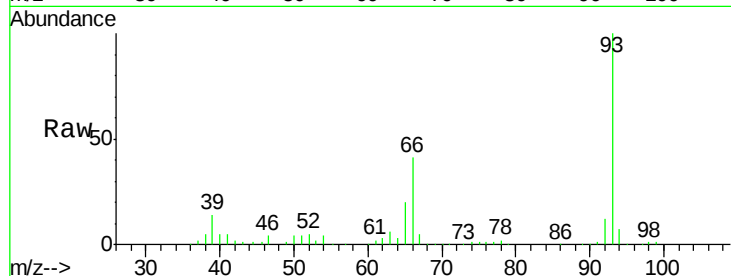
Tot Ion: 93 Resp: 216872

Ion Ratio Lower Upper

93 100

66 41.4 32.2 48.2

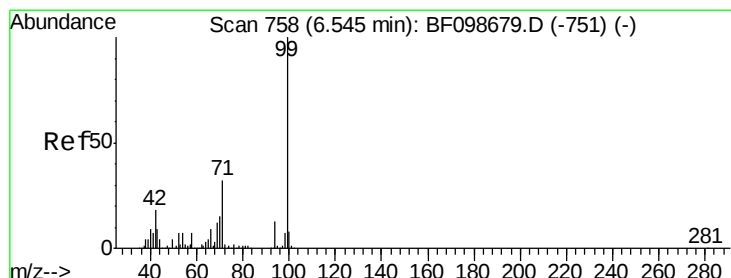
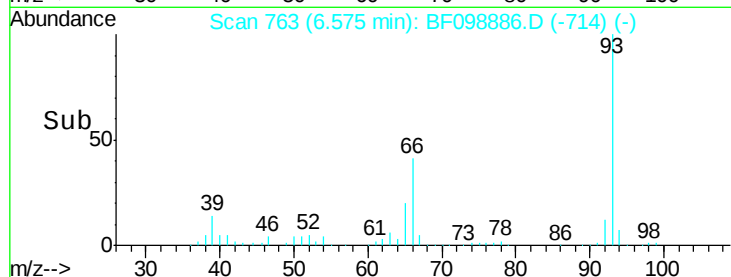
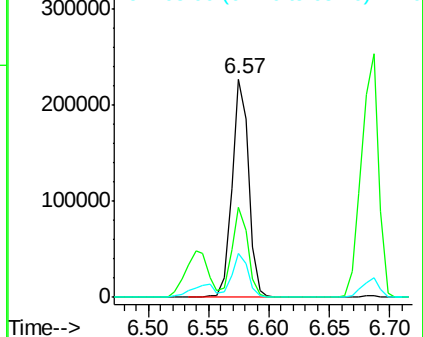
65 20.0 16.4 24.6



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: 116.17 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

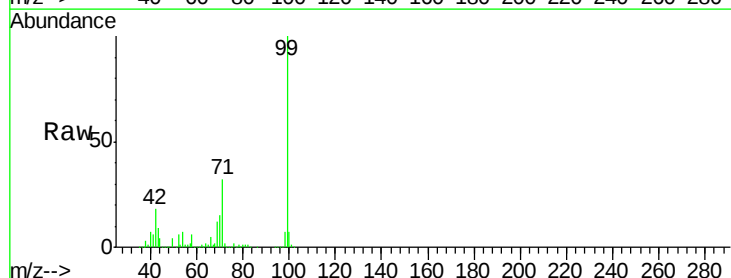
Tgt Ion: 99 Resp: 1189681

Ion Ratio Lower Upper

99 100

42 17.9 14.5 21.7

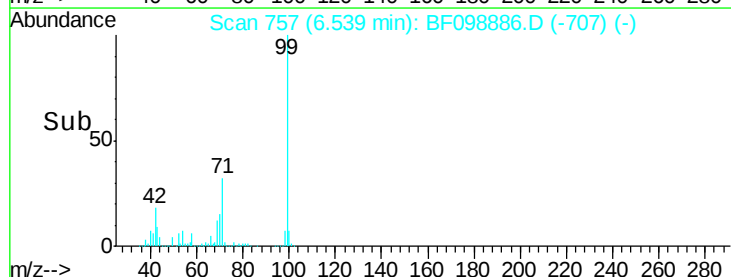
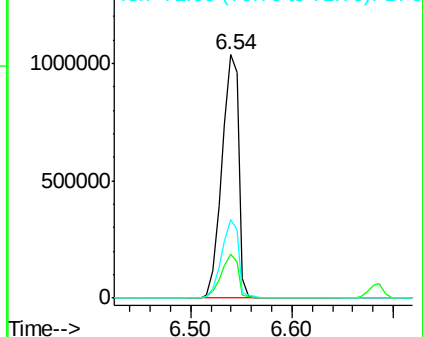
71 32.0 25.4 38.0

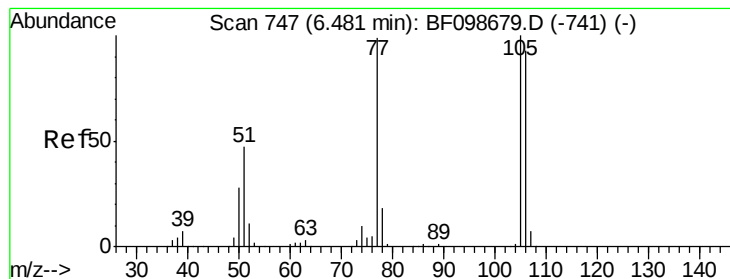


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 3.53 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

Instrument :

BNA_F

ClientSampleId :

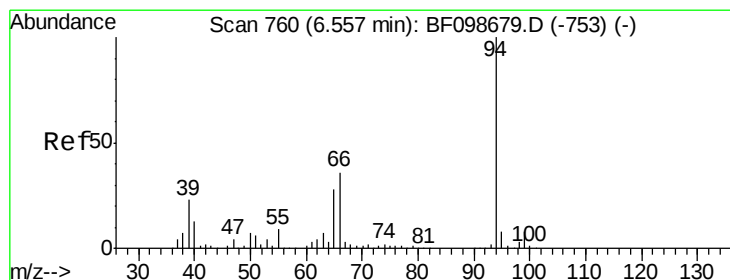
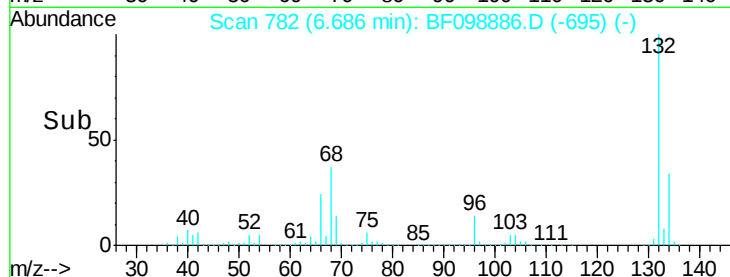
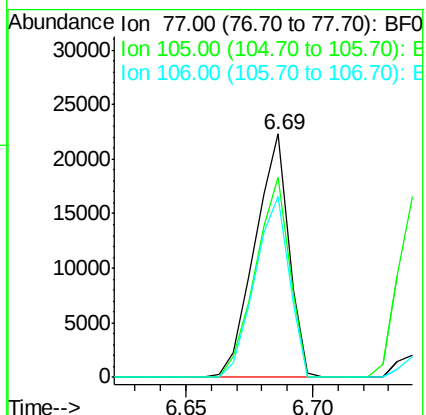
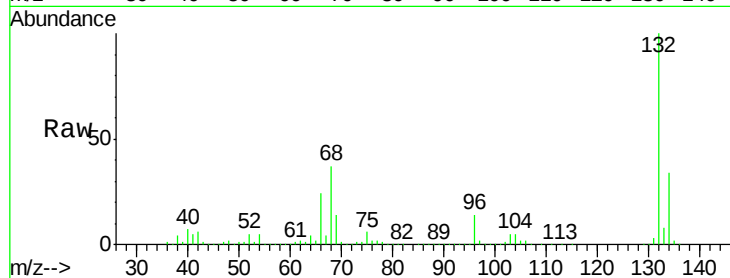
Tot Ion: 77 Resp: 20949

Ion Ratio Lower Upper

77 100

105 82.3 81.1 121.1

106 74.5 74.5 114.5



#10

Phenol

Concen: 2.50 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

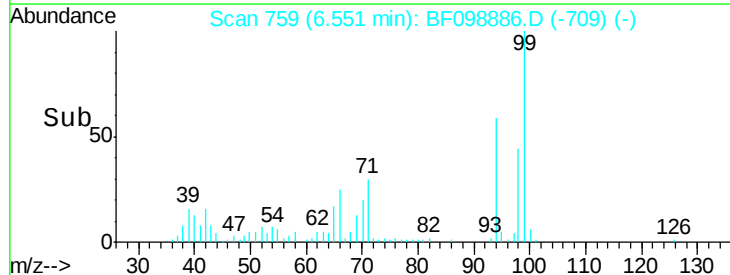
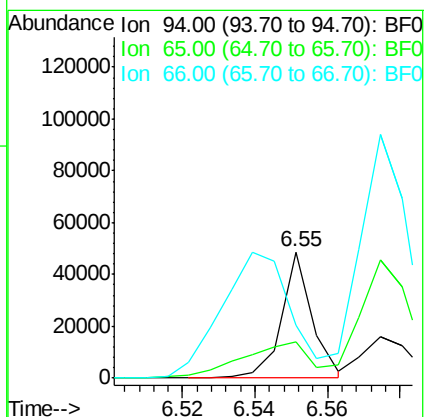
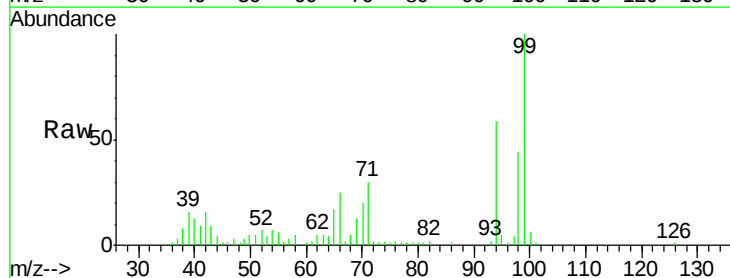
Tgt Ion: 94 Resp: 28607

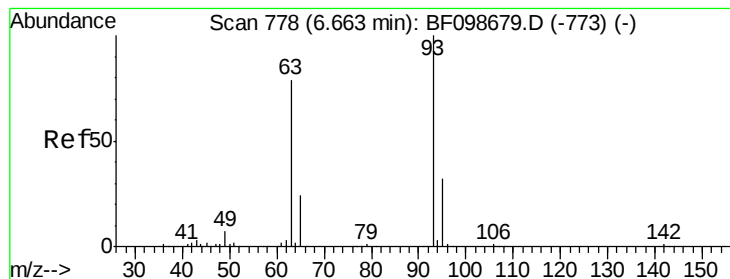
Ion Ratio Lower Upper

94 100

65 28.5 7.9 47.9

66 42.2 16.2 56.2





#11

bis(2-Chloroethyl)ether

Concen: 24.36 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.08 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

Instrument :

BNA_F

ClientSampleId :

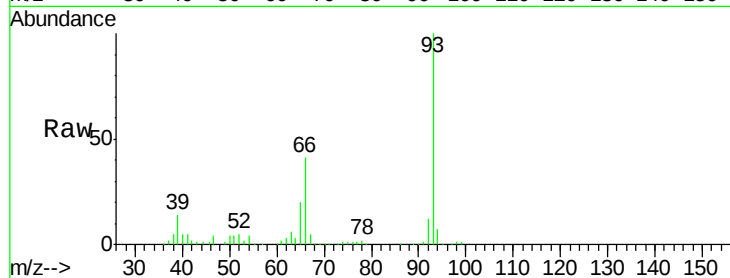
Tot Ion: 93 Resp: 216872

Ion Ratio Lower Upper

93 100

63 5.5 58.6 98.6#

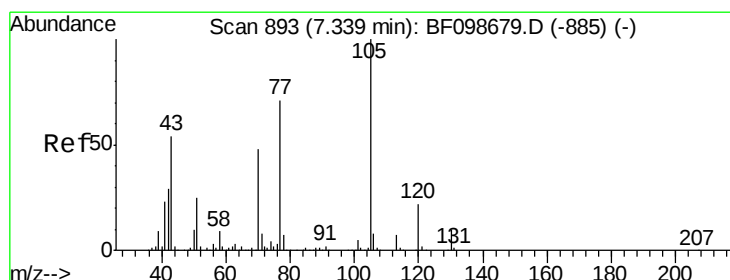
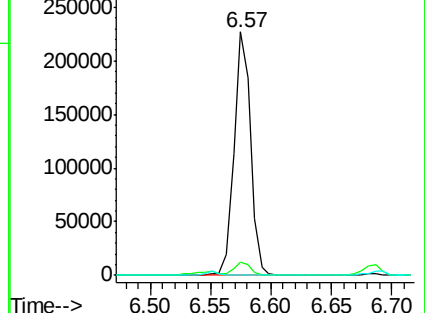
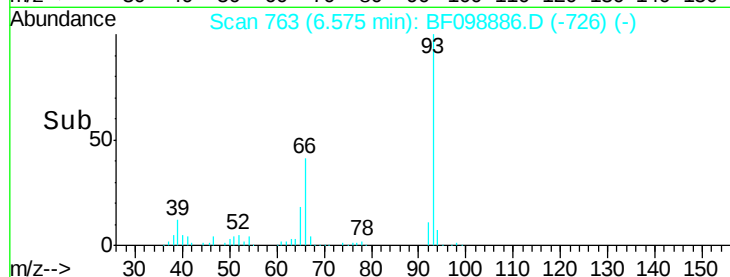
95 0.3 11.8 51.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.40 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

Tgt Ion: 70 Resp: 87582

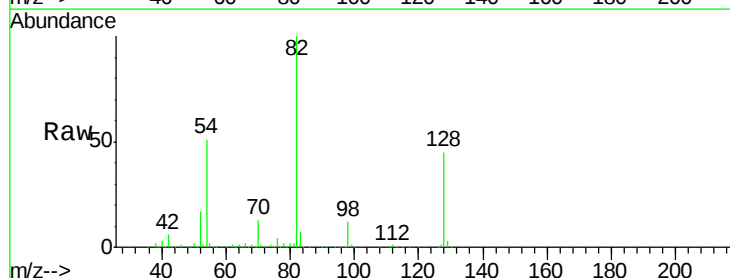
Ion Ratio Lower Upper

70 100

42 47.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

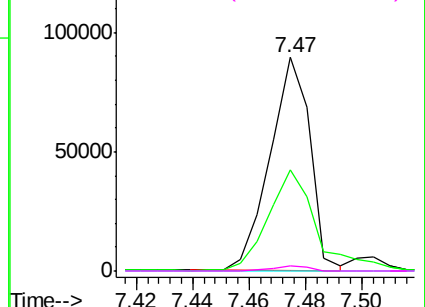
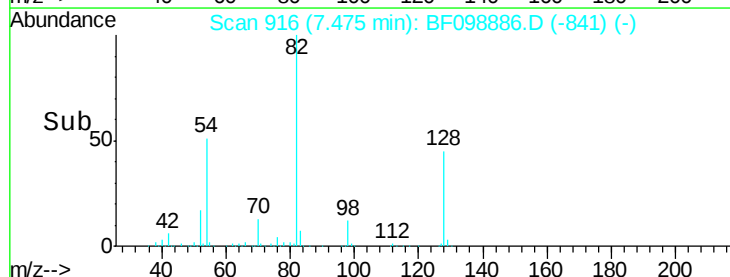


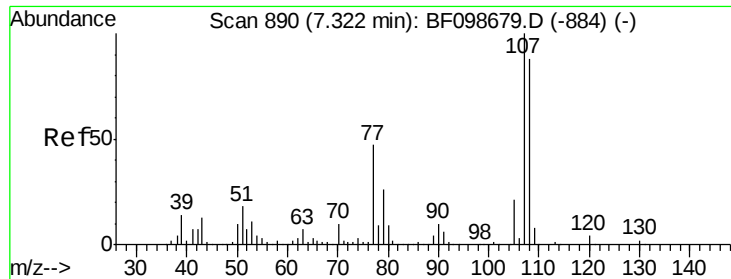
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

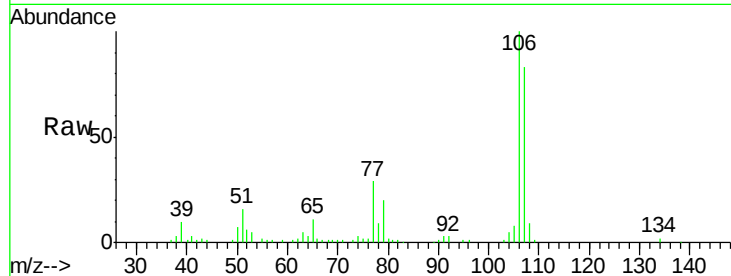




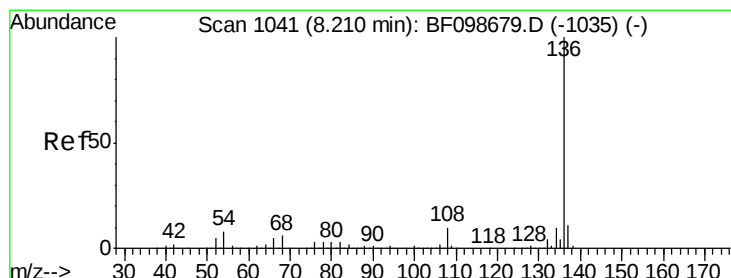
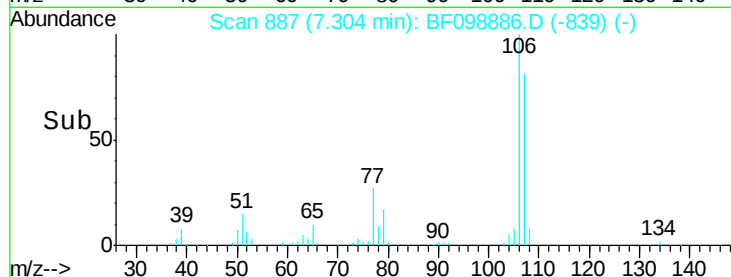
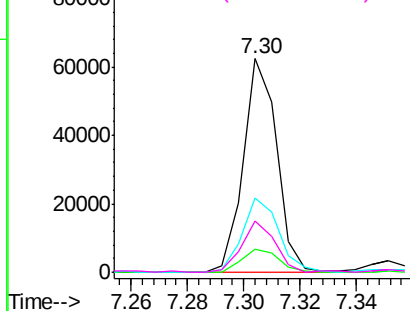
#20
3+4-Methylphenols
Concen: 5.27 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098886.D
Acq: 28 Sep 2017 2:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:	107	Resp:	51289
Ion	Ratio	Lower	Upper
107	100		
108	10.7	68.2	108.2#
77	34.7	26.7	66.7
79	23.7	6.3	46.3

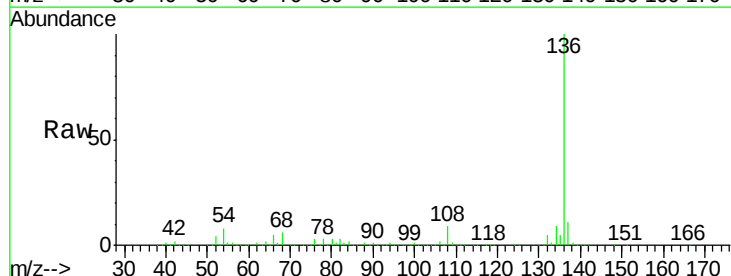


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

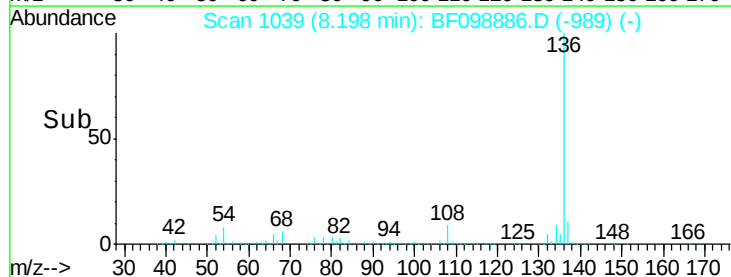
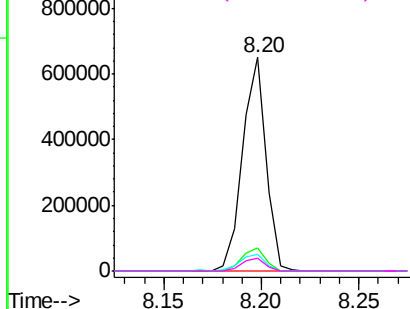


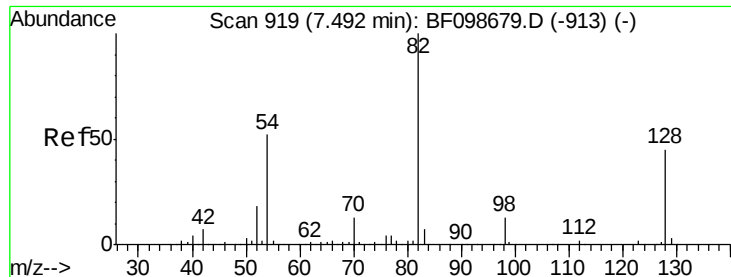
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098886.D
Acq: 28 Sep 2017 2:13

Tgt Ion:	136	Resp:	541047
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.6	6.6	9.8
68	5.9	5.0	7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

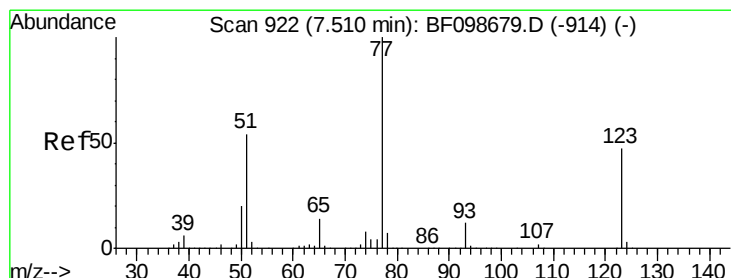
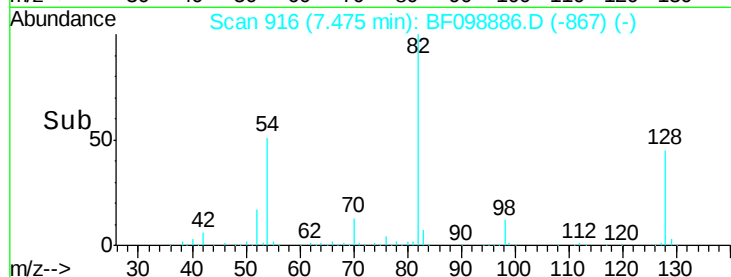
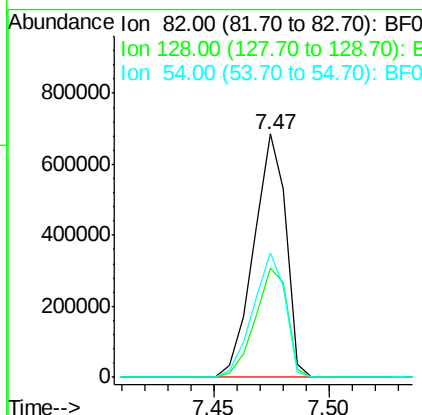
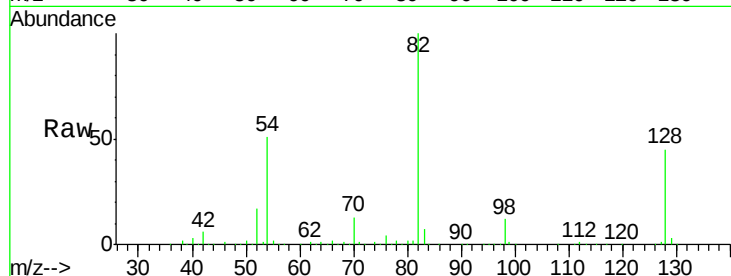




#23
Nitrobenzene-d5
Concen: 78.92 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098886.D
Acq: 28 Sep 2017 2:13

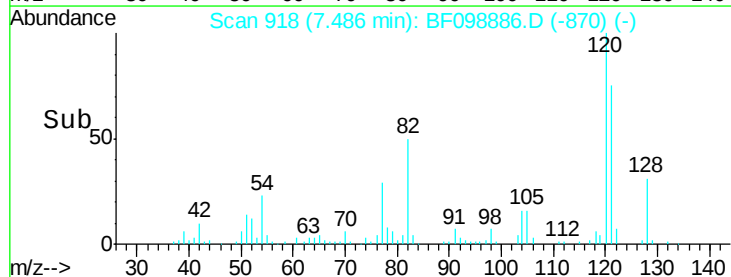
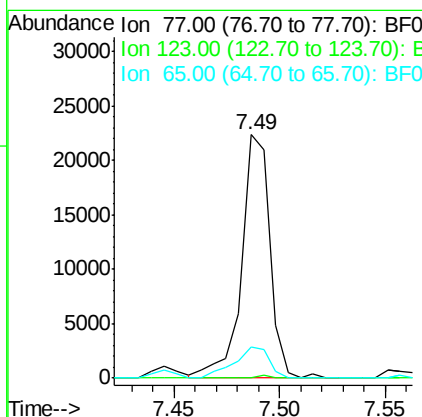
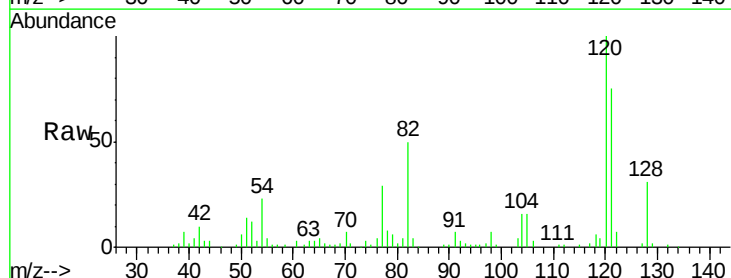
Instrument :
BNA_F
ClientSampled :

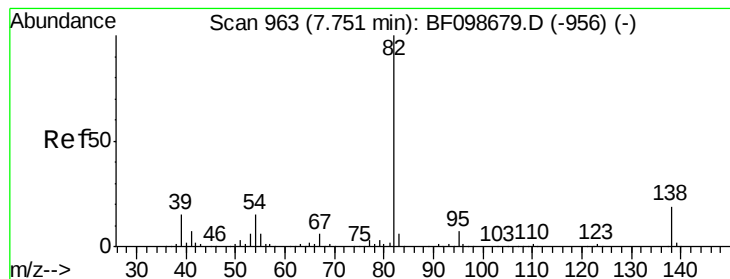
Tot Ion: 82 Resp: 665794
Ion Ratio Lower Upper
82 100
128 44.6 36.1 54.1
54 51.1 41.4 62.2



#24
Nitrobenzene
Concen: 2.17 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.02 min
Lab File: BF098886.D
Acq: 28 Sep 2017 2:13

Tgt Ion: 77 Resp: 20734
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 12.6 11.0 16.4





#25

Isophorone

Concen: 37.96 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

Instrument :

BNA_F

ClientSampleId :

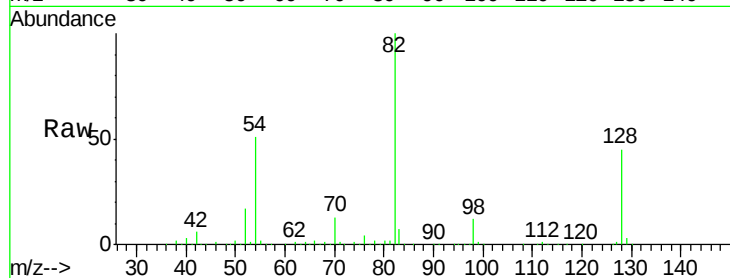
Tot Ion: 82 Resp: 662081

Ion Ratio Lower Upper

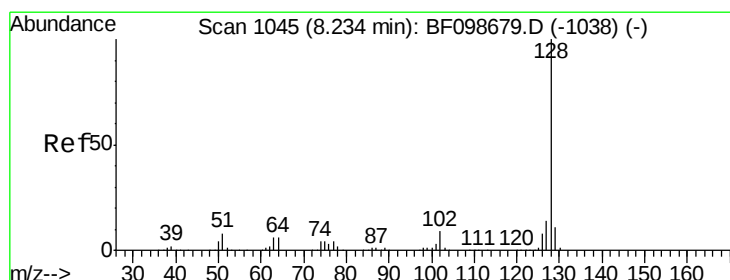
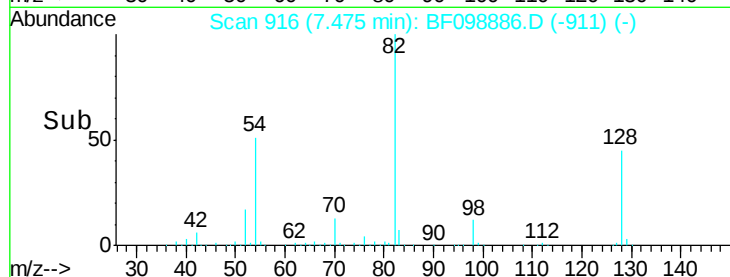
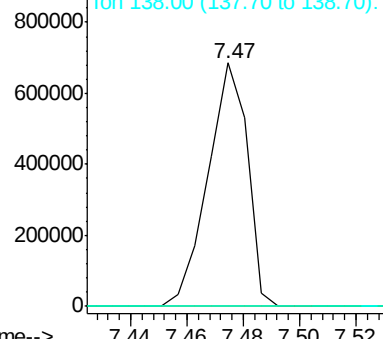
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 2.73 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

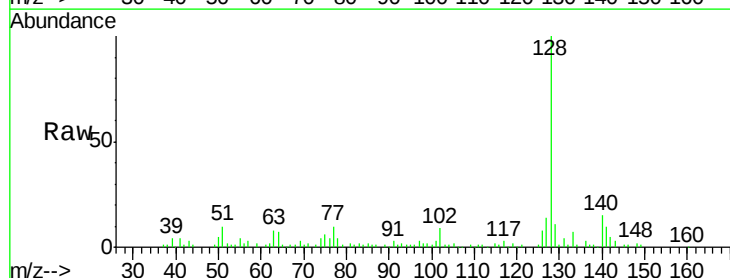
Tgt Ion: 128 Resp: 69259

Ion Ratio Lower Upper

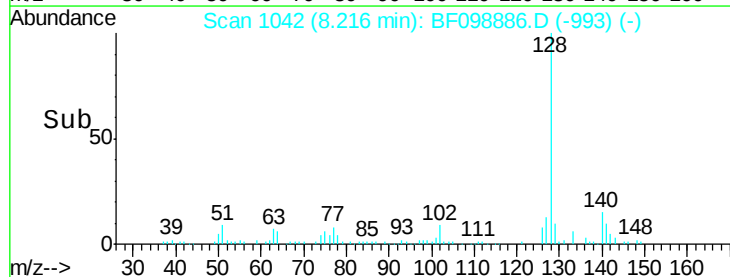
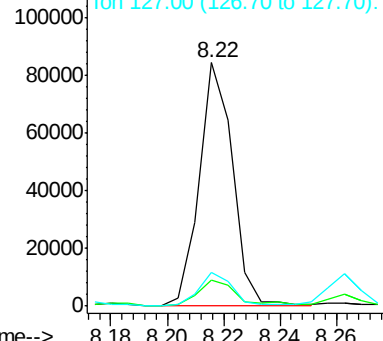
128 100

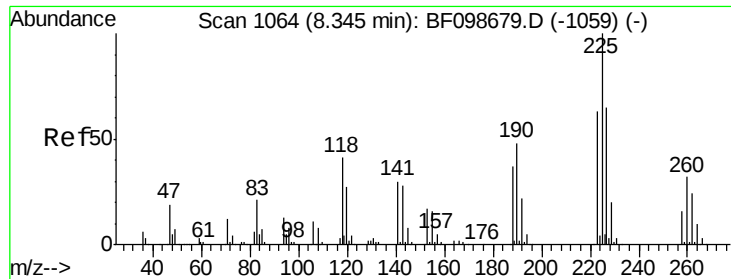
129 10.9 8.8 13.2

127 13.9 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





#34

Hexachlorobutadiene

Concen: 4.51 ng

RT: 8.33 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

Instrument :

BNA_F

ClientSampleId :

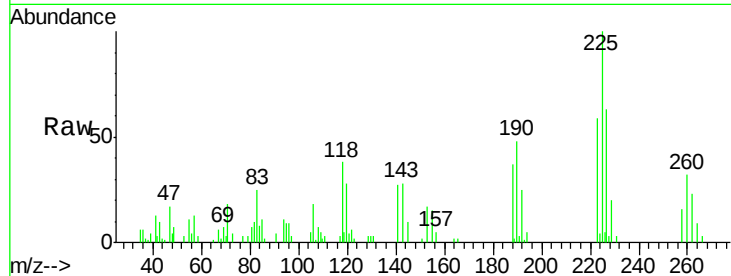
Tot Ion:225 Resp: 17326

Ion Ratio Lower Upper

225 100

223 59.1 50.6 76.0

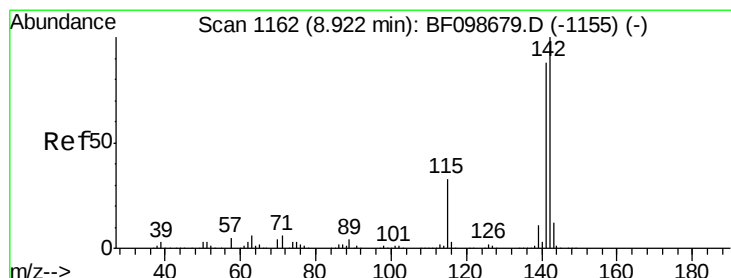
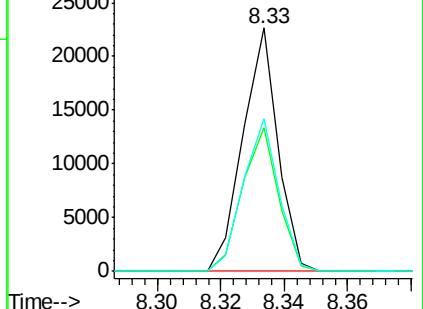
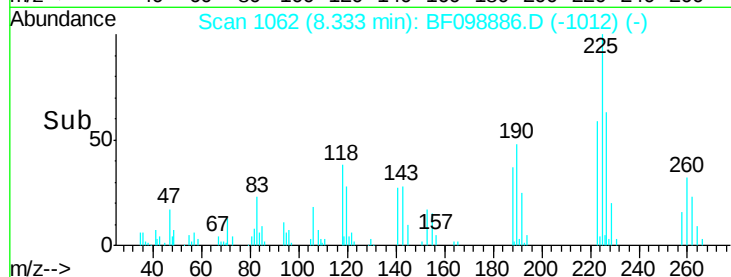
227 62.8 51.9 77.9



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#37

2-Methylnaphthalene

Concen: 3.70 ng

RT: 8.91 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

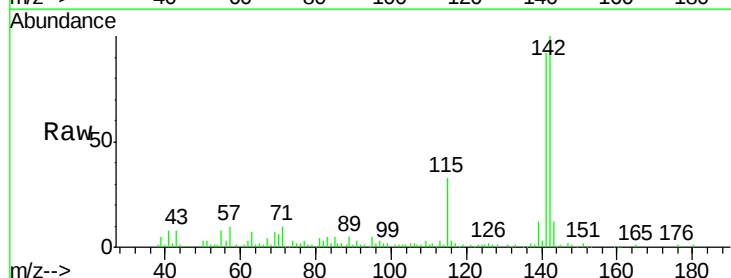
Tgt Ion:142 Resp: 61195

Ion Ratio Lower Upper

142 100

141 91.5 70.8 106.2

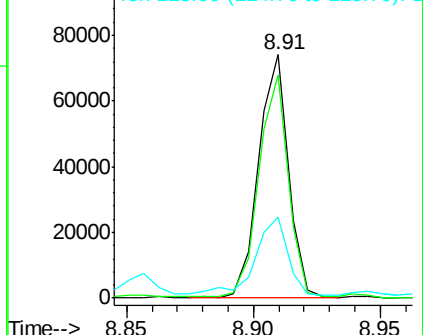
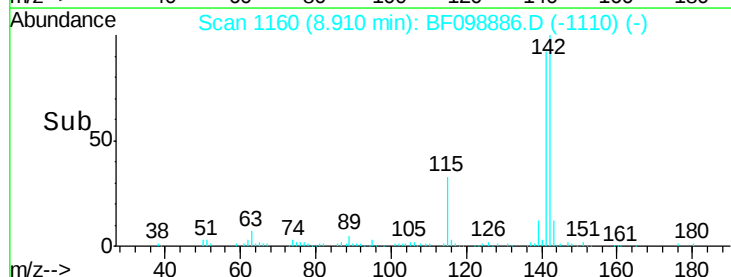
115 33.3 26.1 39.1

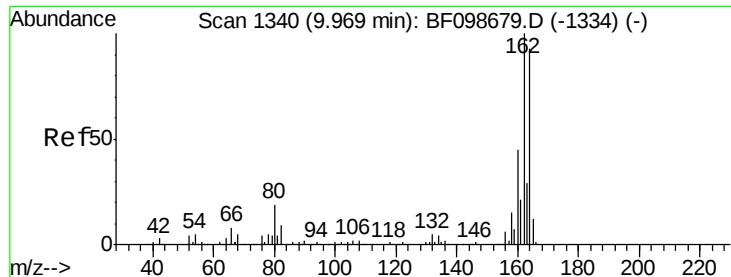


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

Instrument :

BNA_F

ClientSampleId :

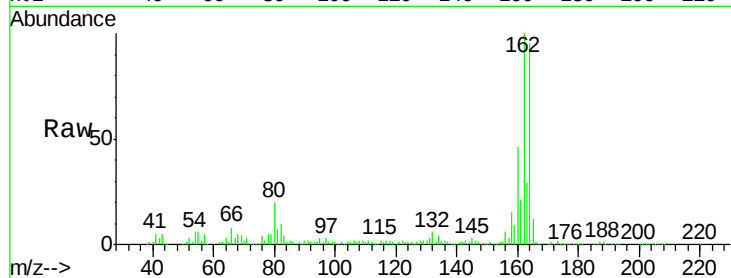
Tot Ion:164 Resp: 231293

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

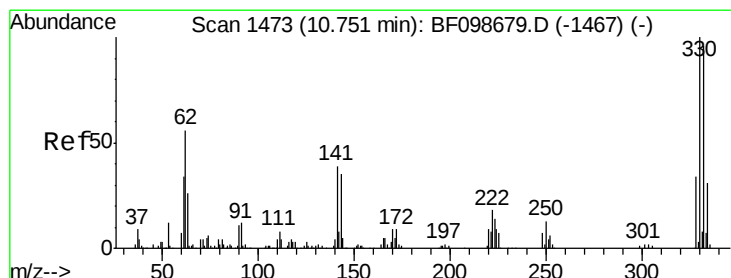
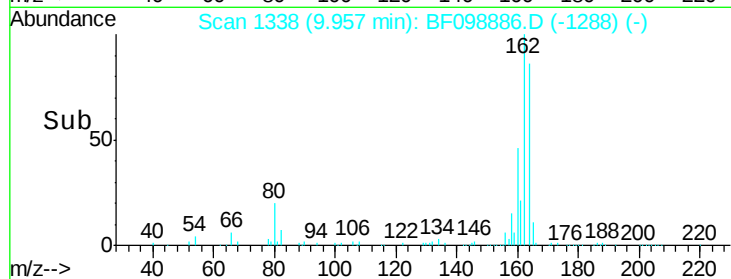
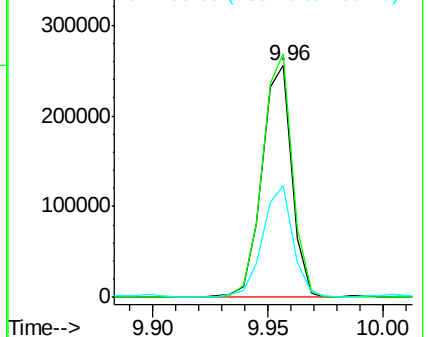
160 48.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 96.43 ng

RT: 10.74 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

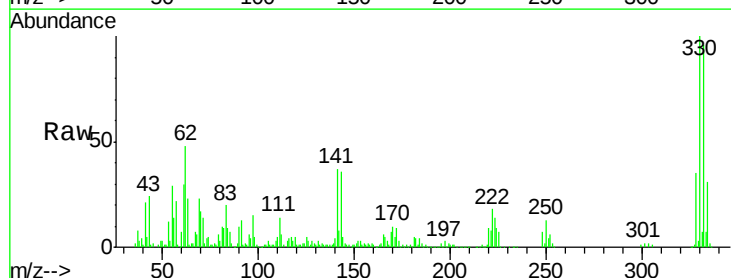
Tgt Ion:330 Resp: 182497

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

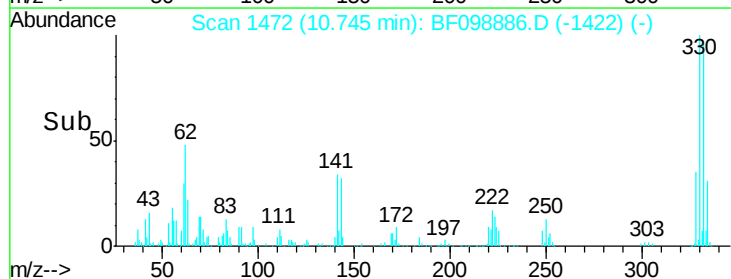
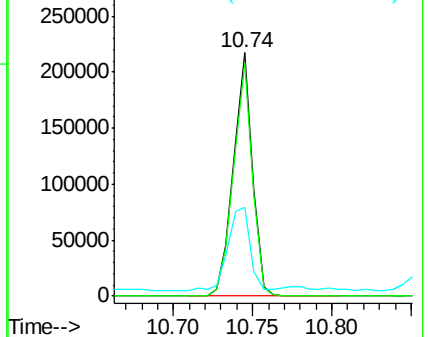
141 40.4 29.9 44.9

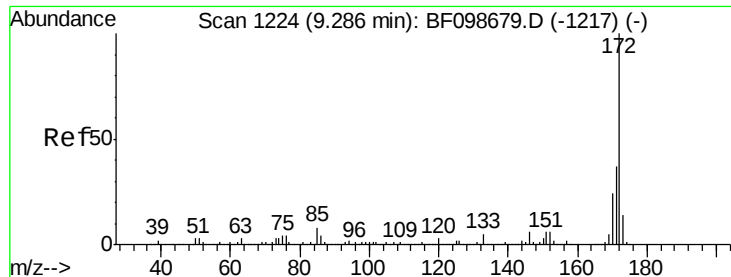


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

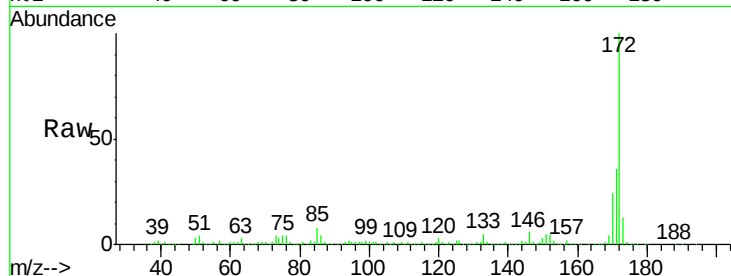




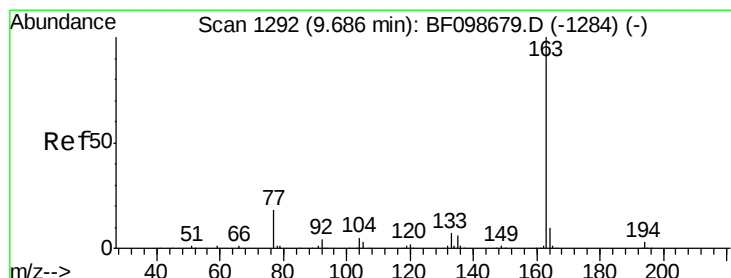
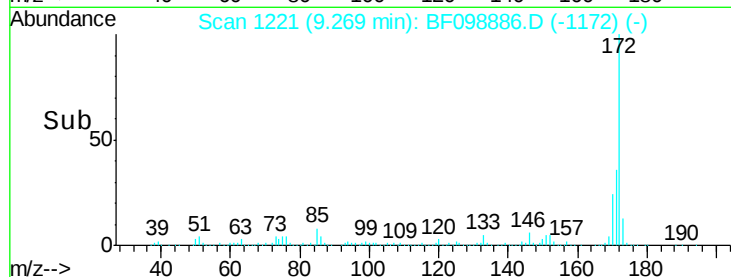
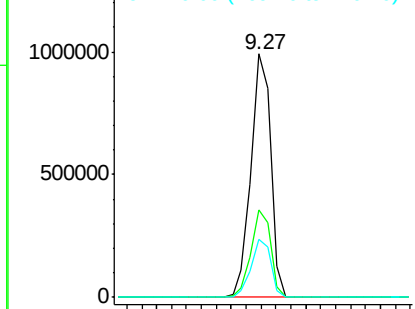
#44
2-Fluorobiphenyl
Concen: 65.19 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF098886.D
Acq: 28 Sep 2017 2:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 903180
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 23.8 19.6 29.4

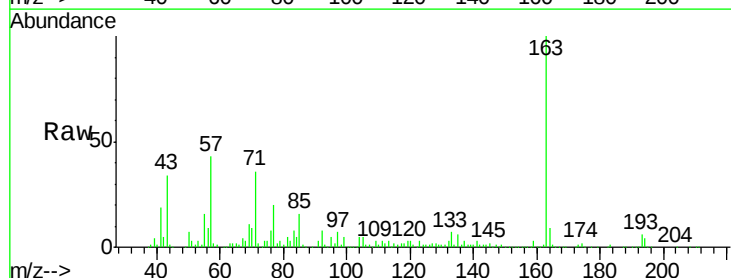


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

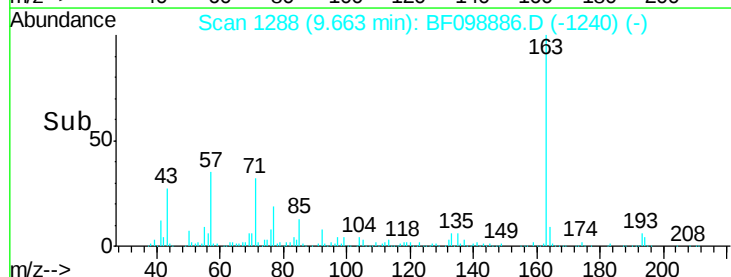
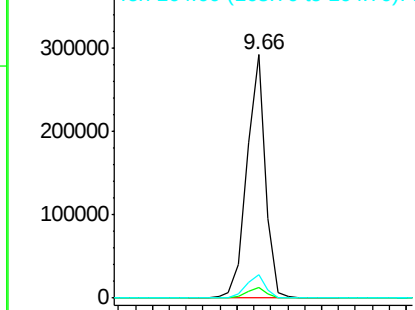


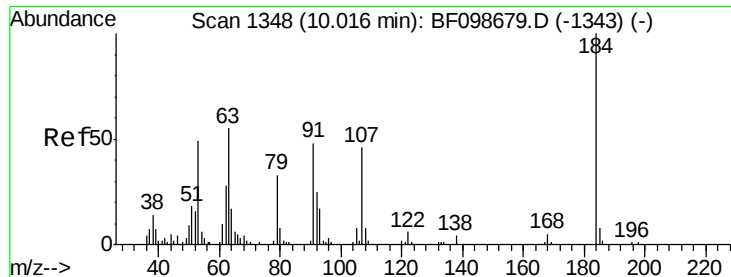
#49
Dimethylphthalate
Concen: 12.71 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098886.D
Acq: 28 Sep 2017 2:13

Tgt Ion:163 Resp: 221940
Ion Ratio Lower Upper
163 100
194 4.3 2.7 4.1#
164 9.4 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

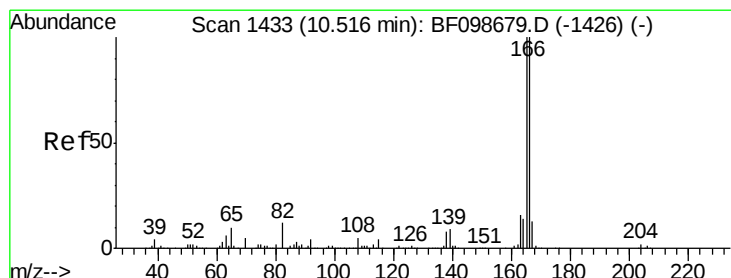
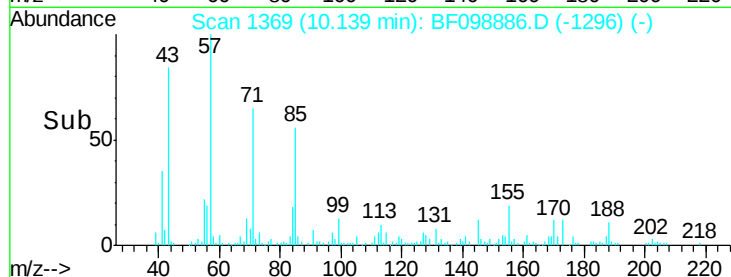
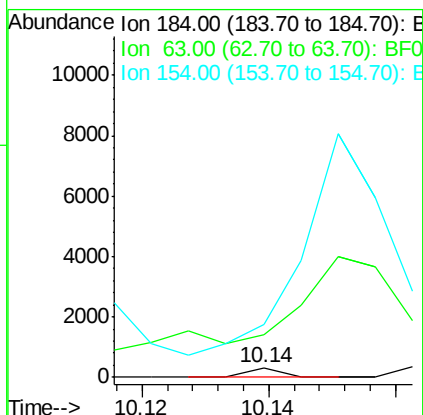
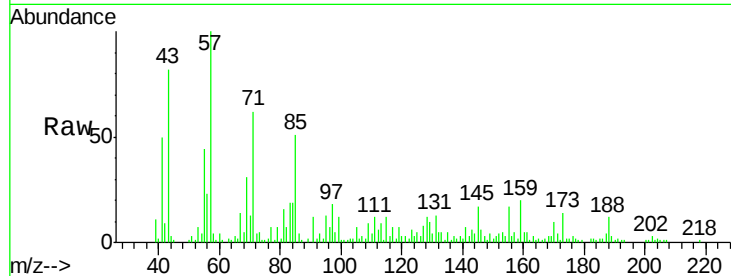




#53
2,4-Dinitrophenol
Concen: 5.88 ng
RT: 10.14 min Scan# 1369
Delta R.T. 0.13 min
Lab File: BF098886.D
Acq: 28 Sep 2017 2:13

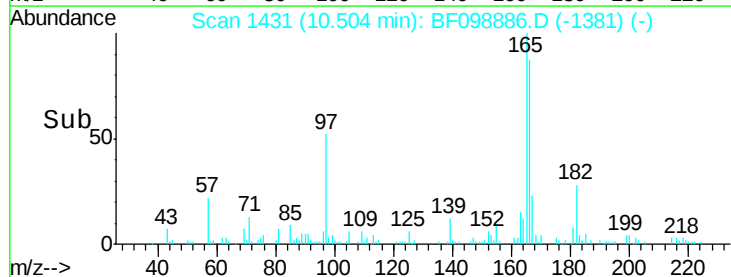
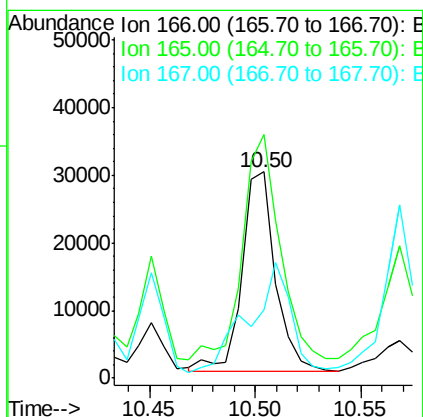
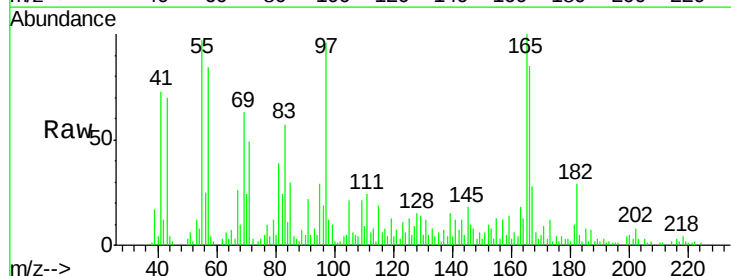
Instrument :
BNA_F
ClientSampleId :

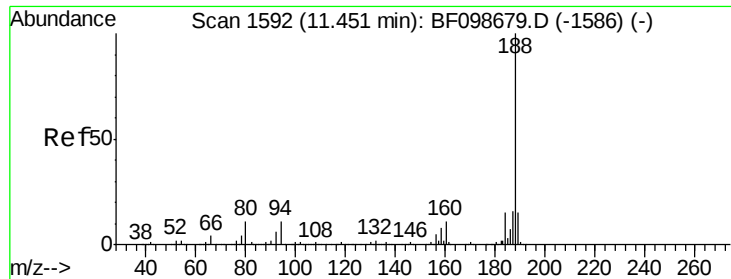
Tot Ion:184 Resp: 112
Ion Ratio Lower Upper
184 100
63 443.8 54.2 81.2#
154 553.6 53.5 80.3#



#57
Fluorene
Concen: 2.09 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF098886.D
Acq: 28 Sep 2017 2:13

Tgt Ion:166 Resp: 32301
Ion Ratio Lower Upper
166 100
165 118.2 79.8 119.8
167 33.1 10.6 16.0#

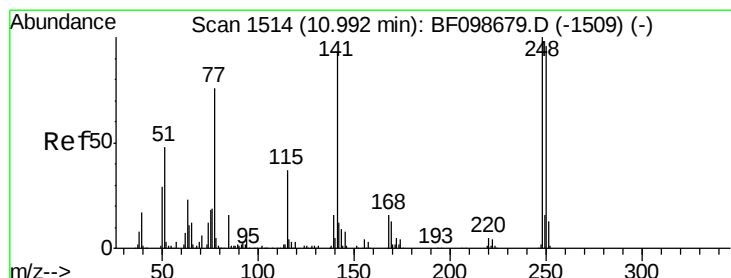
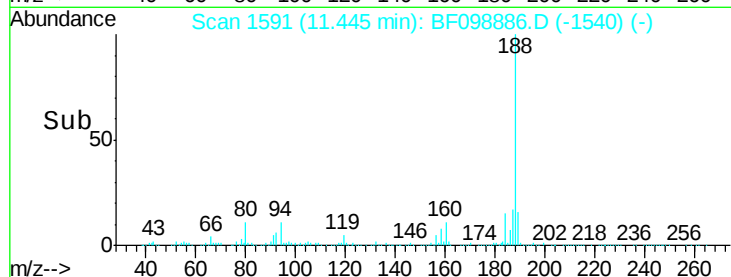
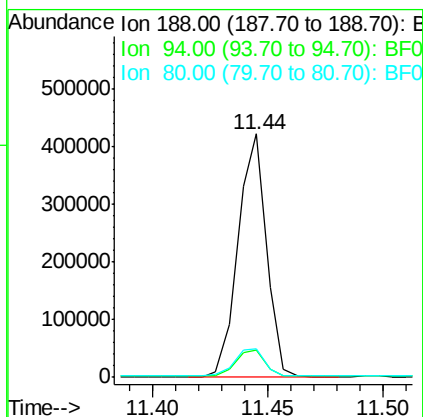
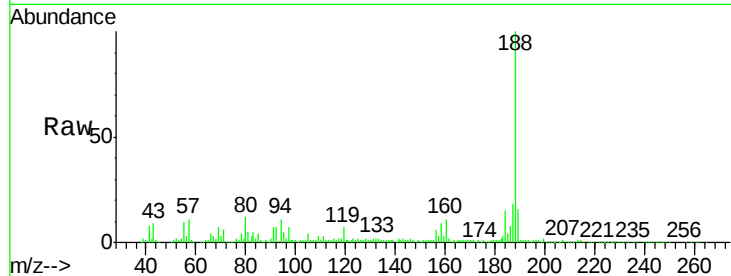




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.00 min
Lab File: BF098886.D
Acq: 28 Sep 2017 2:13

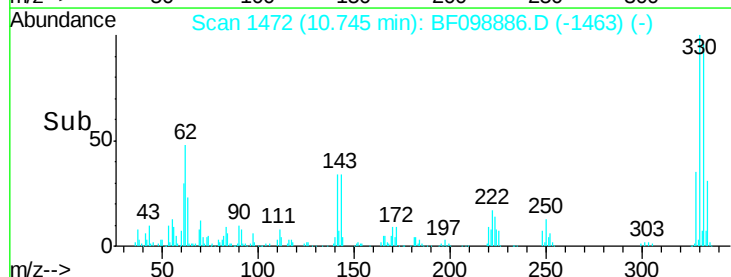
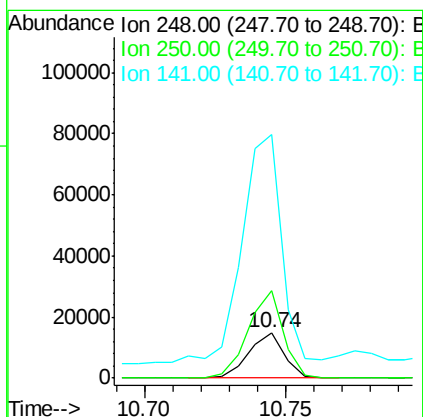
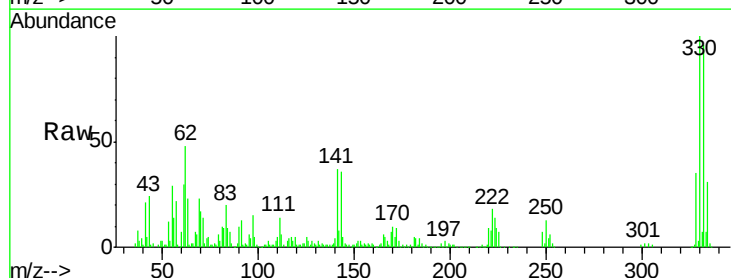
Instrument :
BNA_F
ClientSampled :

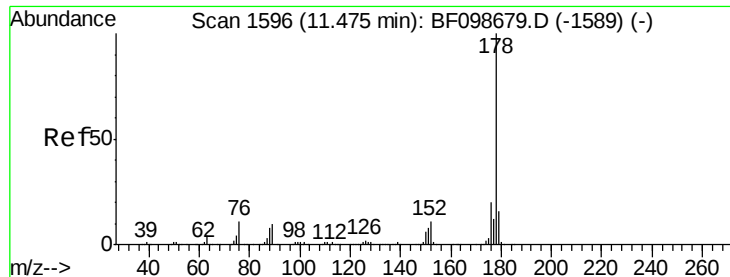
Tot Ion:188 Resp: 362801
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 11.5 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.65 ng
RT: 10.74 min Scan# 1472
Delta R.T. -0.25 min
Lab File: BF098886.D
Acq: 28 Sep 2017 2:13

Tgt Ion:248 Resp: 12971
Ion Ratio Lower Upper
248 100
250 192.5 76.9 115.3#
141 532.4 74.4 111.6#





#70

Phenanthrene

Concen: 6.99 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

Instrument :

BNA_F

ClientSampleId :

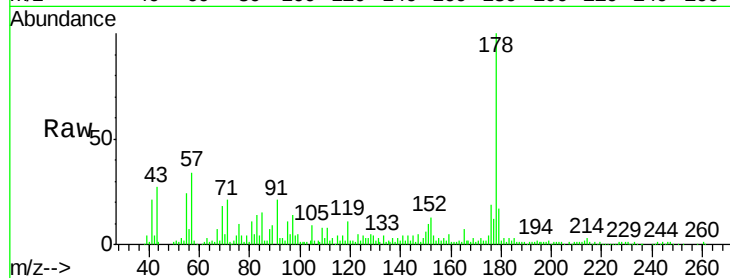
Tot Ion:178 Resp: 135766

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

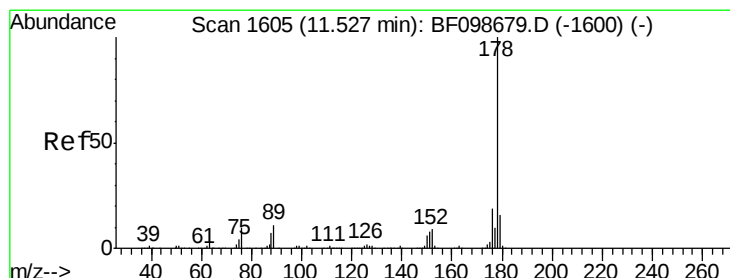
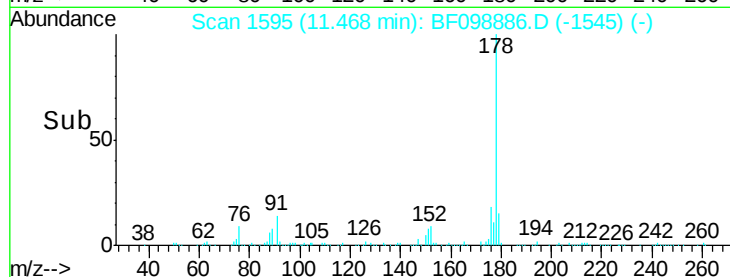
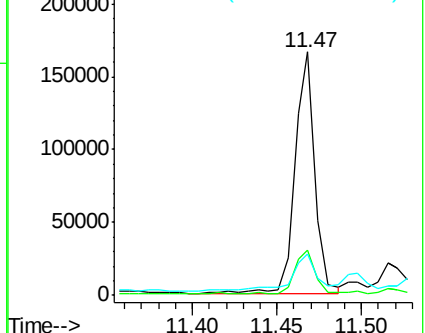
179 17.2 13.0 19.6



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: 6.83 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.06 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

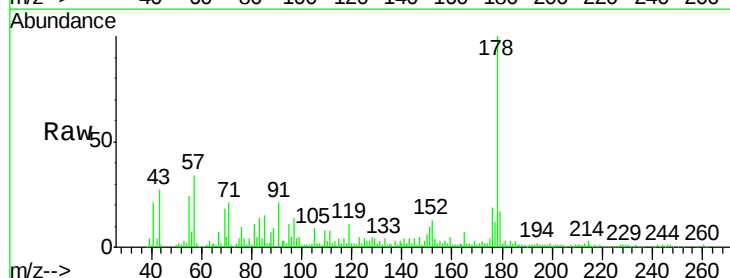
Tgt Ion:178 Resp: 135766

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

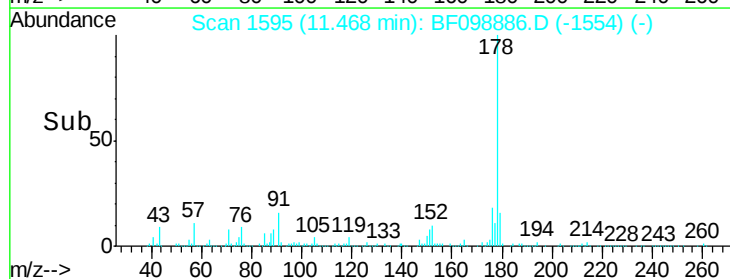
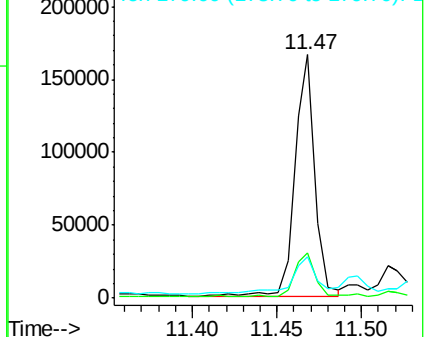
179 17.2 12.6 19.0

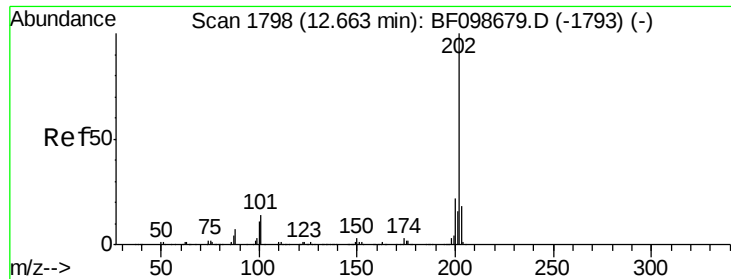


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

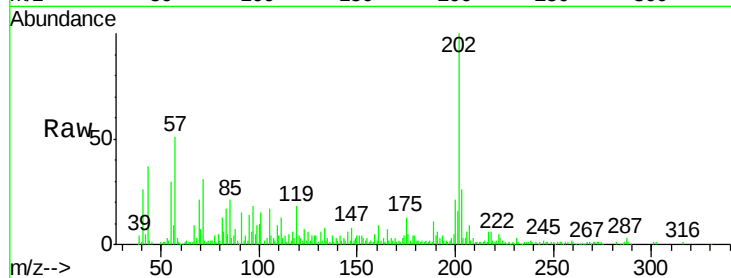




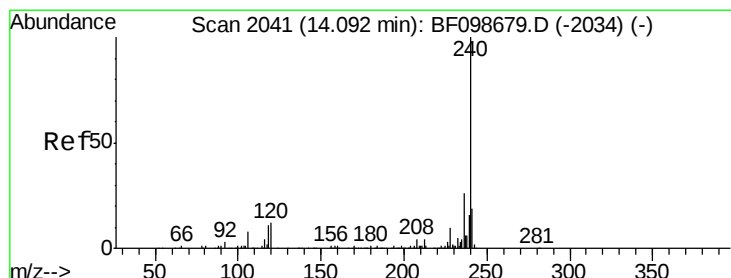
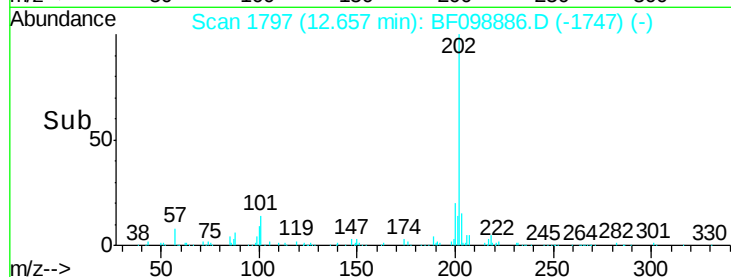
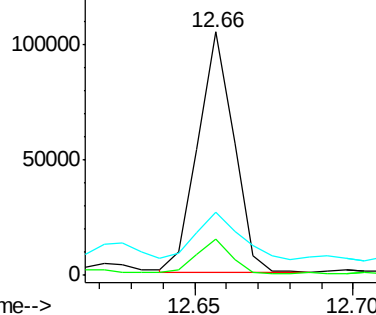
#74
Fluoranthene
Concen: 4.11 ng
RT: 12.66 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF098886.D
Acq: 28 Sep 2017 2:13

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.1
203	26.1	0.0	38.1

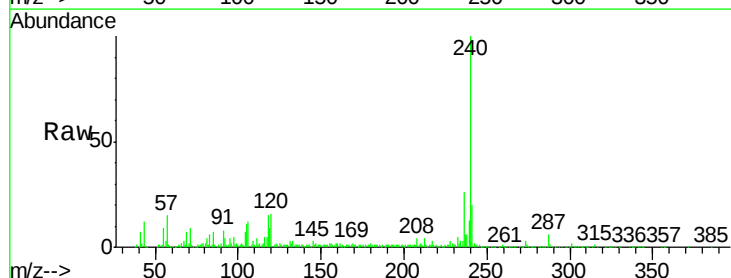


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

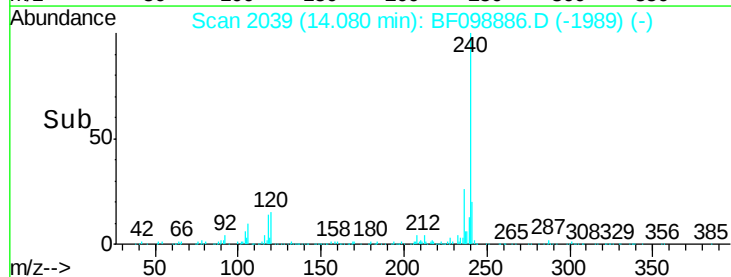
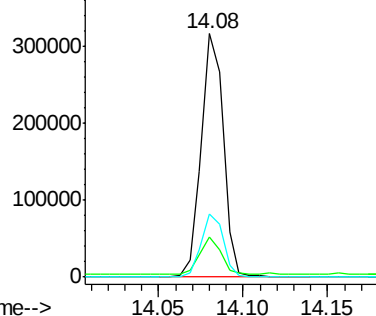


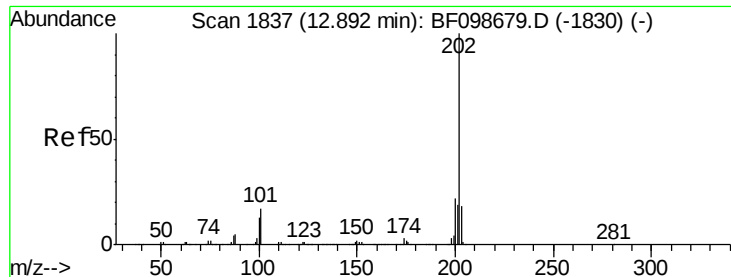
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF098886.D
Acq: 28 Sep 2017 2:13

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.4	9.5	14.3#
236	25.7	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





#77

Pvrene

Concen: 4.11 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

Instrument :

BNA_F

ClientSampled :

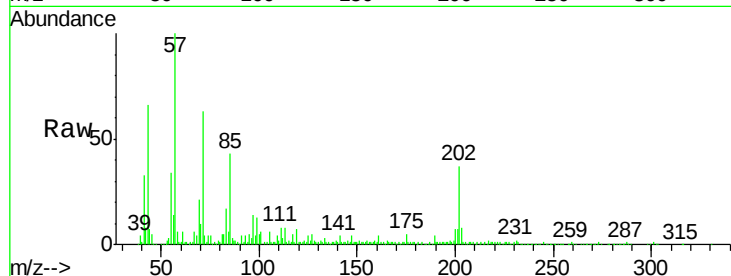
Tot Ion:202 Resp: 89623

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

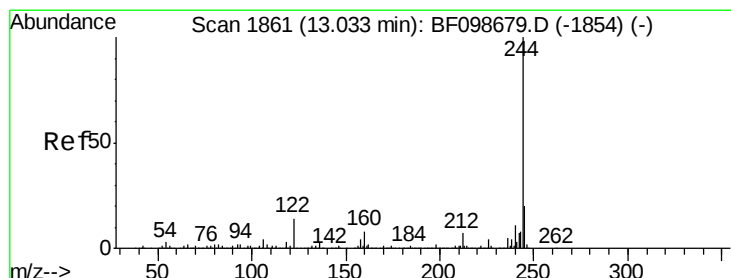
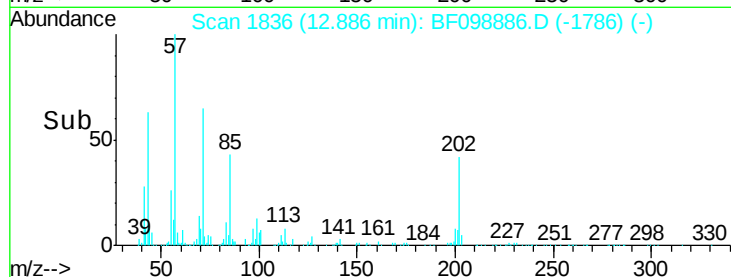
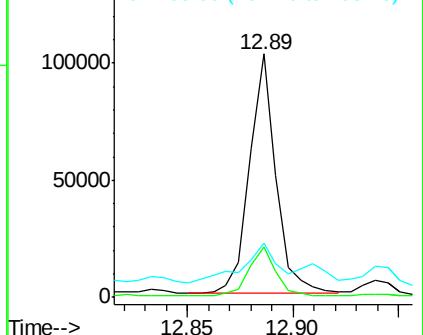
203 22.1 14.3 21.5#



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: 56.90 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098886.D

Acq: 28 Sep 2017 2:13

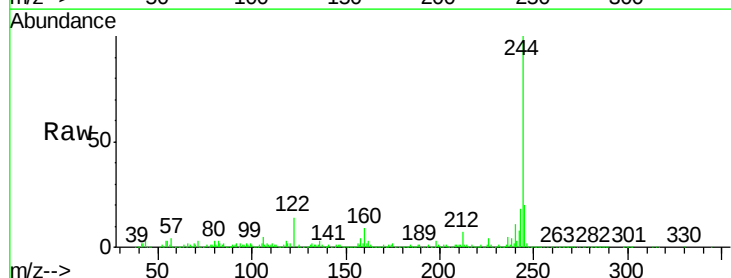
Tgt Ion:244 Resp: 714958

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

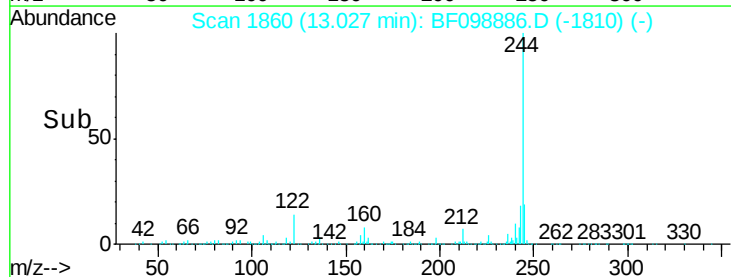
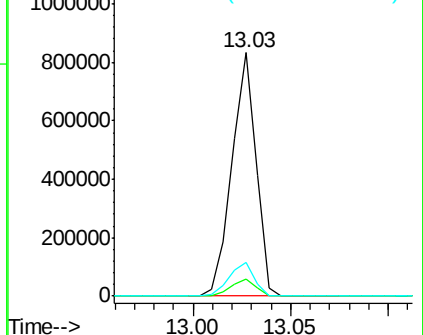
122 14.0 11.0 16.4

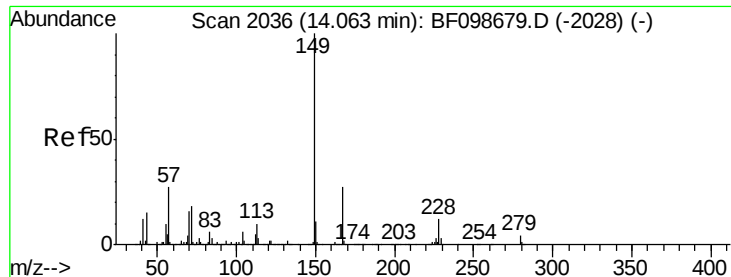


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

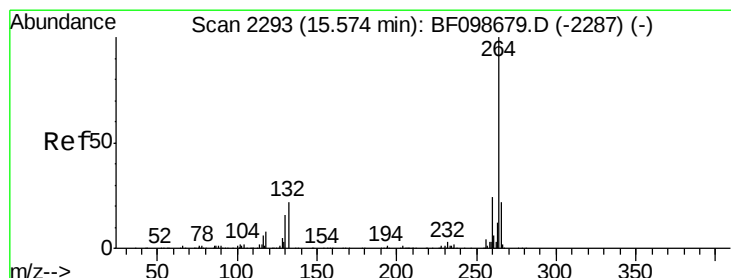
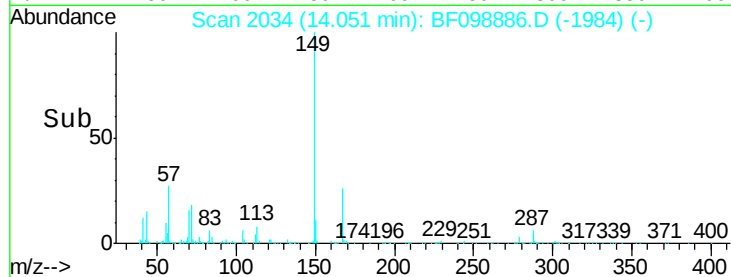
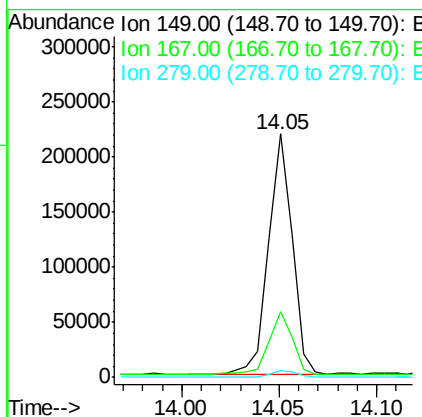
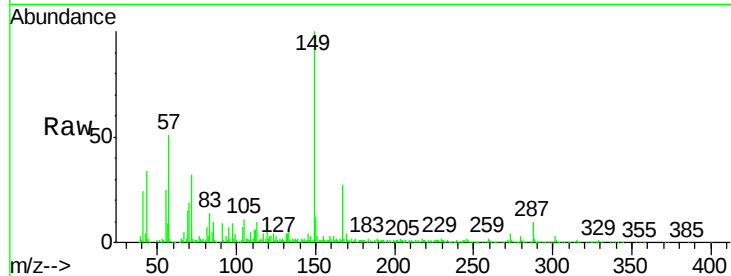




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 13.06 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF098886.D
 Acq: 28 Sep 2017 2:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.3	31.9
279	3.1	3.0	4.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: BF098886.D
 Acq: 28 Sep 2017 2:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	20.9	17.5	26.3

