

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103097.D
 Acq On : 19 Feb 2018 22:43
 Operator : SJ/JU
 Sample : J1601-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 00:20:38 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

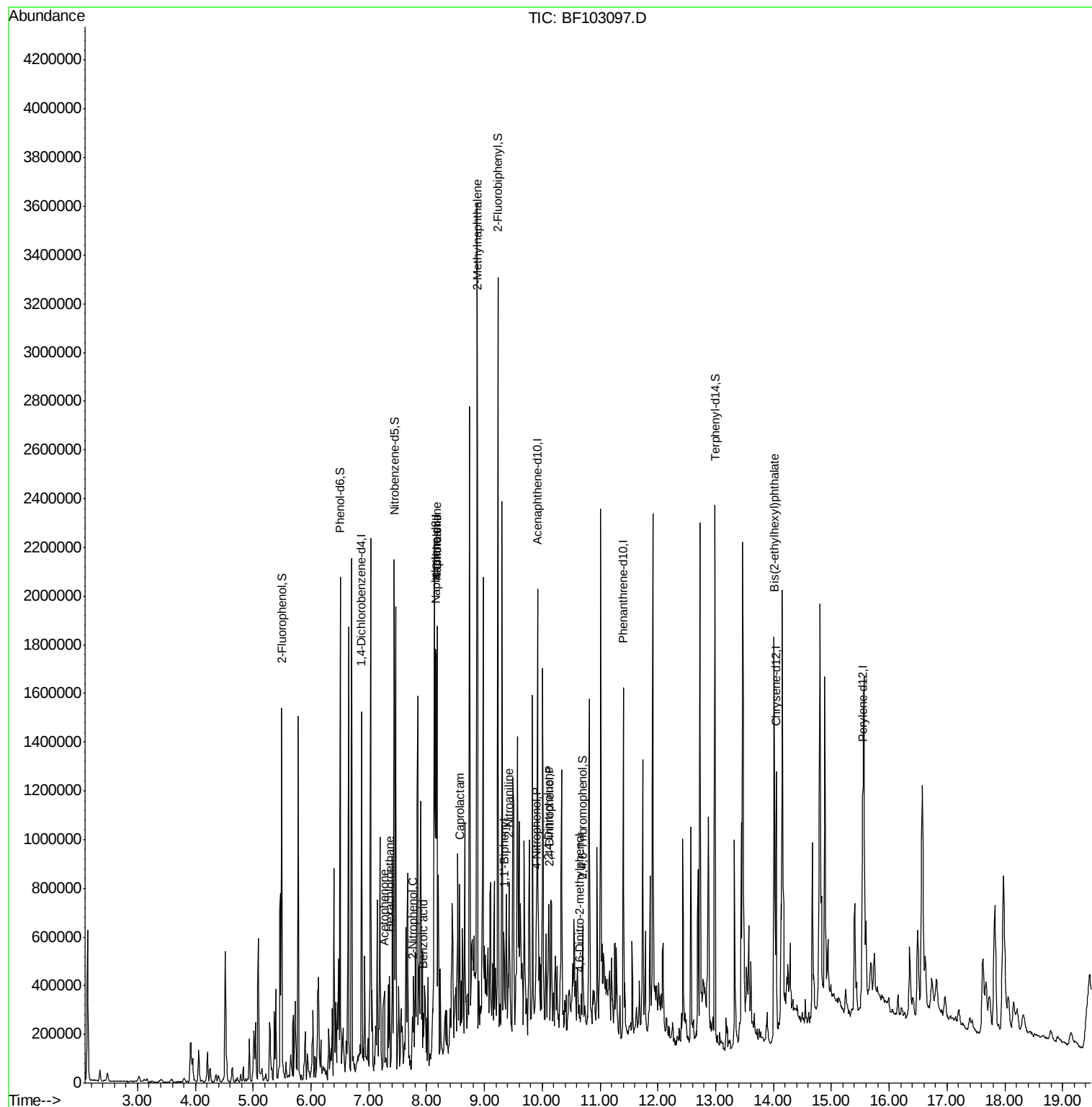
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	175568	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	719442	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	315611	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	488733	20.00	ng	0.00
75) Chrysene-d12	14.04	240	312010	20.00	ng	-0.01
86) Perylene-d12	15.54	264	328890	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	383353	33.16	ng	0.00
7) Phenol-d6	6.50	99	703776	50.56	ng	0.00
23) Nitrobenzene-d5	7.44	82	553950	53.41	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	42542	16.75	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	968681	50.93	ng	0.00
78) Terphenyl-d14	12.99	244	709645	53.85	ng	0.00
Target Compounds						
18) Hexachloroethane	7.36	117	10351	2.20	ng	# 1
22) Acetophenone	7.26	105	56784	3.23	ng	# 60
26) 2-Nitrophenol	7.76	139	628	8.77	ng	# 1
31) Naphthalene	8.18	128	535616	15.24	ng	99
32) Benzoic acid	7.95	122	1785	8.79	ng	# 52
33) 4-Chloroaniline	8.18	127	76480	5.05	ng	# 38
35) Caprolactam	8.57	113	10062	3.16	ng	# 1
37) 2-Methylnaphthalene	8.87	142	923606	40.13	ng	99
45) 1,1'-Biphenyl	9.33	154	89359	3.36	ng	97
47) 2-Nitroaniline	9.43	65	1958	3.75	ng	# 31
53) 2,4-Dinitrophenol	10.12	184	154	8.11	ng	# 1
55) 4-Nitrophenol	9.89	139	4827	4.99	ng	97
56) 2,4-Dinitrotoluene	10.12	165	4074	3.68	ng	# 53
64) 4,6-Dinitro-2-methylphenol	10.65	198	136	8.85	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.01	149	397170	26.50	ng	# 99

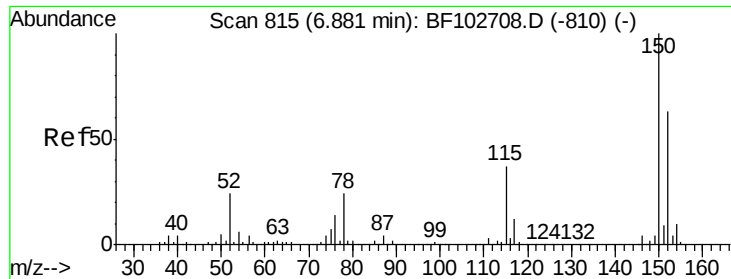
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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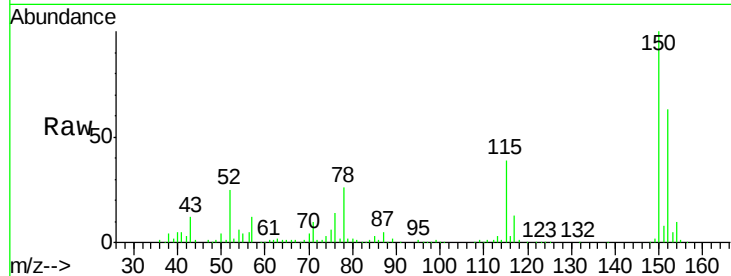


#1

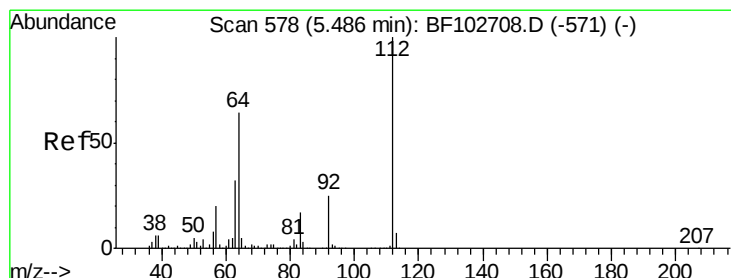
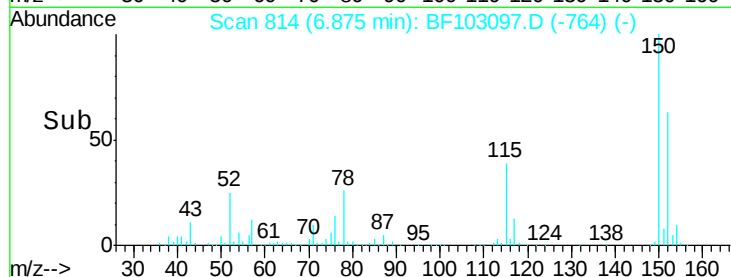
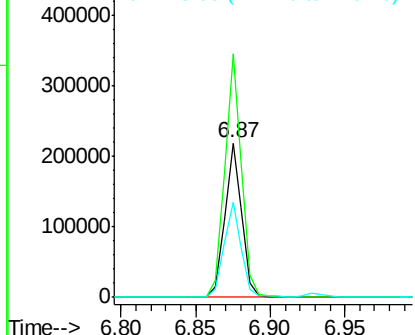
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103097.D
Acq: 19 Feb 2018 22:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 175568
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 61.6 50.1 75.1



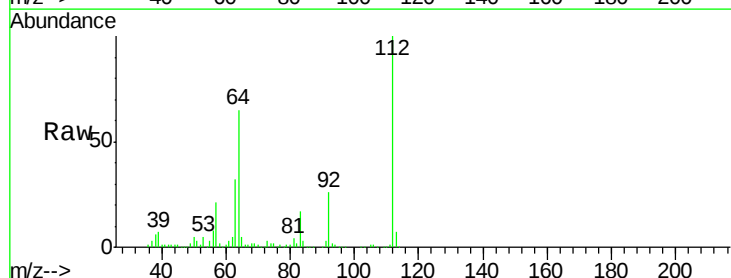
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



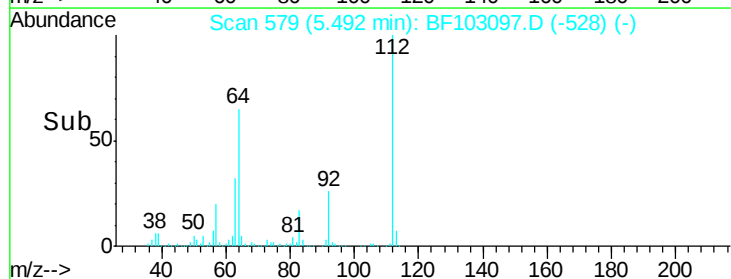
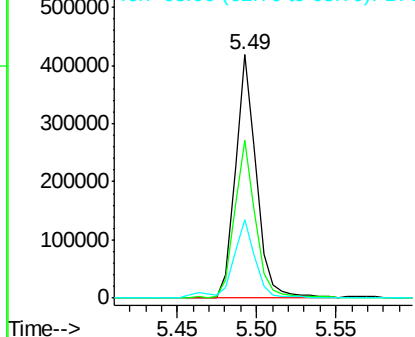
#5

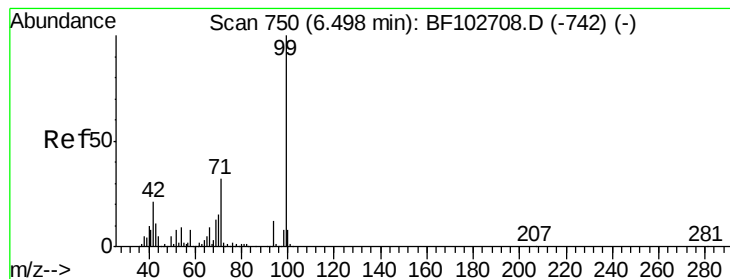
2-Fluorophenol
Concen: 33.16 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF103097.D
Acq: 19 Feb 2018 22:43

Tgt Ion:112 Resp: 383353
Ion Ratio Lower Upper
112 100
64 64.9 47.9 71.9
63 32.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 50.56 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103097.D

Acq: 19 Feb 2018 22:43

Instrument :

BNA_F

ClientSampleId :

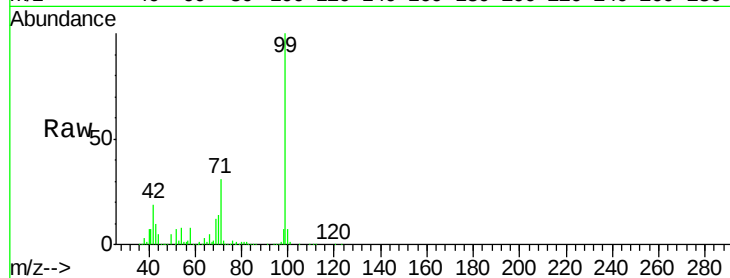
Tot Ion: 99 Resp: 703776

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 31.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1

1000000

800000

600000

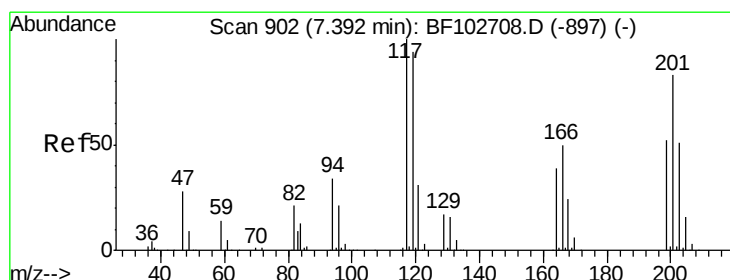
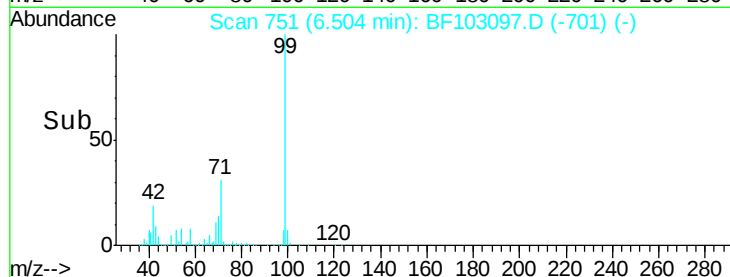
400000

200000

0

6.40 6.50 6.60

Time-->



#18

Hexachloroethane

Concen: 2.20 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.03 min

Lab File: BF103097.D

Acq: 19 Feb 2018 22:43

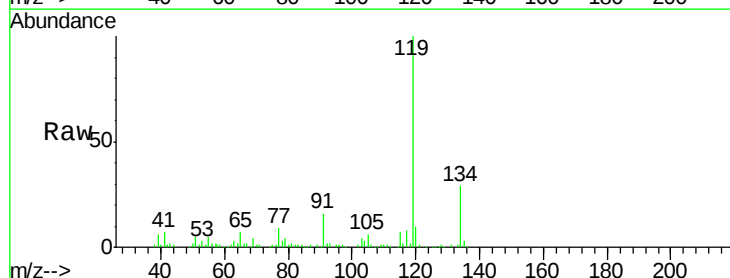
Tgt Ion: 117 Resp: 10351

Ion Ratio Lower Upper

117 100

119 1331.2 75.8 113.8#

201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

200000

150000

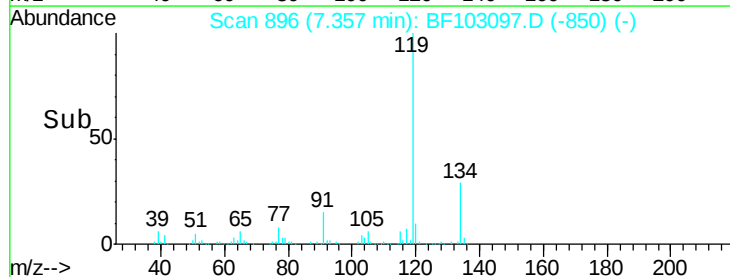
100000

50000

0

7.34 7.36 7.38

Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103097.D

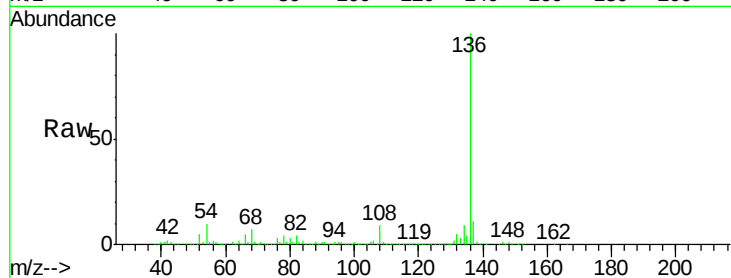
Acq: 19 Feb 2018 22:43

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	719442
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	10.0	6.6 9.8#
68	7.0	5.0 7.4

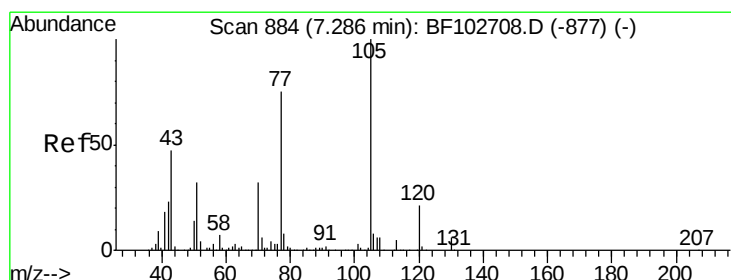
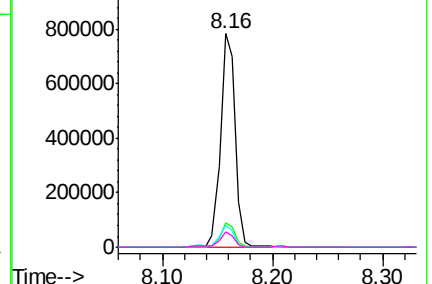
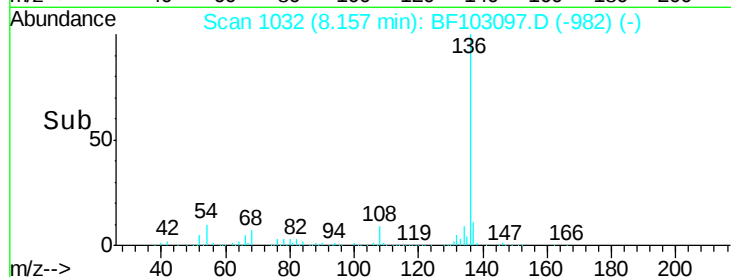


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 3.23 ng

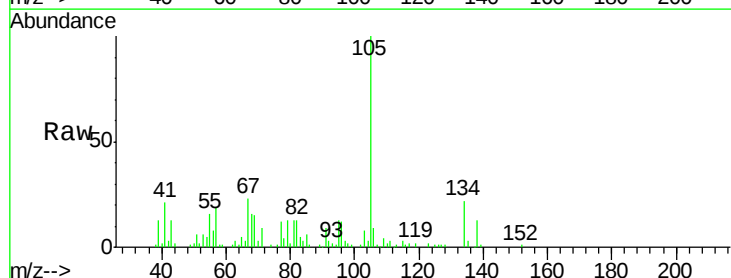
RT: 7.26 min Scan# 880

Delta R.T. -0.03 min

Lab File: BF103097.D

Acq: 19 Feb 2018 22:43

Tgt Ion:105	Resp:	56784
Ion Ratio	Lower	Upper
105	100	
71	9.2	4.4 6.6#
51	5.6	22.3 33.5#
120	0.0	16.9 25.3#

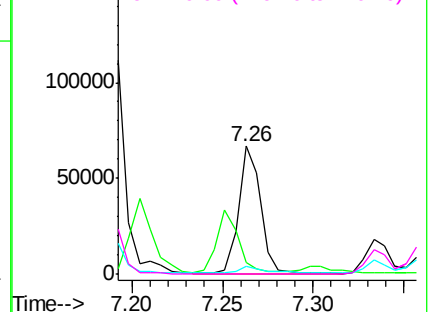
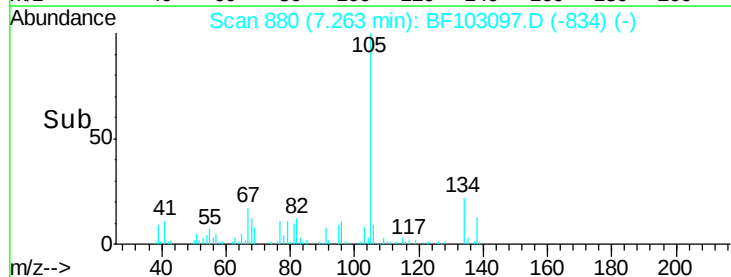


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

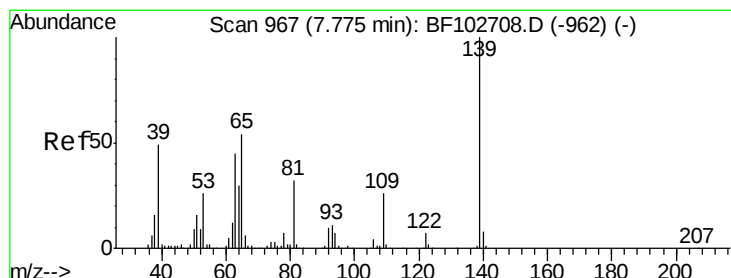
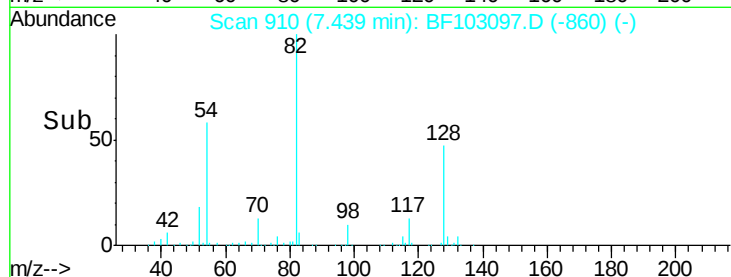
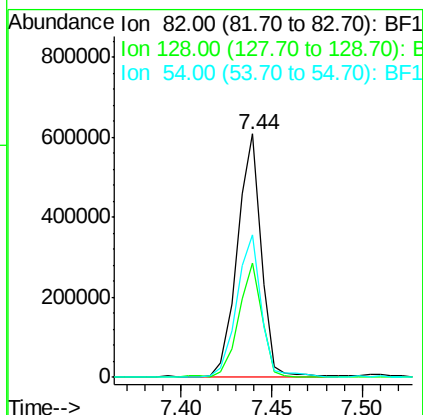
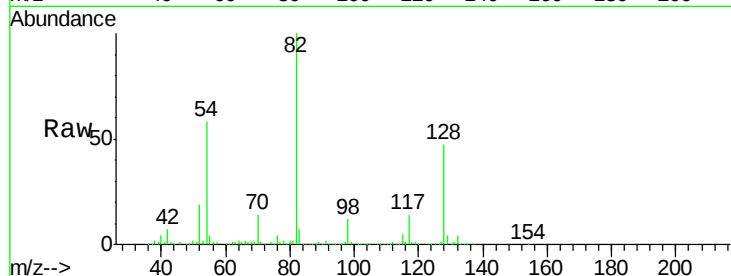




#23
Nitrobenzene-d5
Concen: 53.41 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103097.D
Acq: 19 Feb 2018 22:43

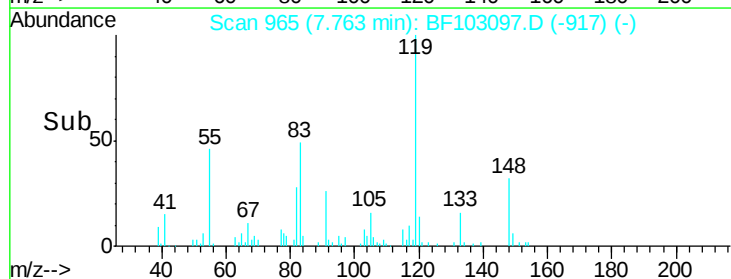
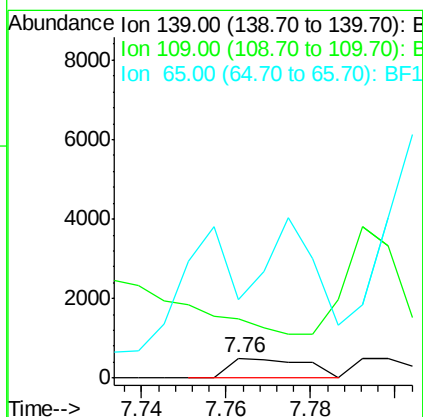
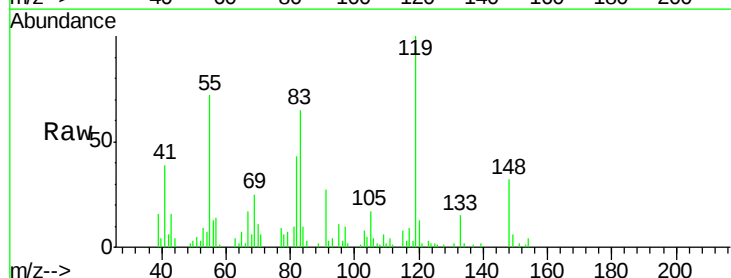
Instrument :
BNA_F
ClientSampleId :

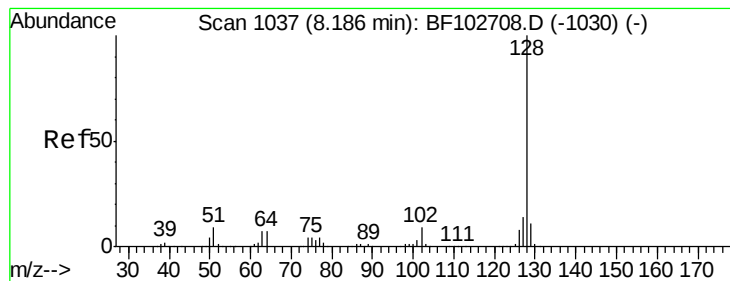
Tot Ion	82	Resp	553950
Ion Ratio	100	Lower	Upper
128	47.1	36.1	54.1
54	58.3	41.4	62.2



#26
2-Nitrophenol
Concen: 8.77 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.02 min
Lab File: BF103097.D
Acq: 19 Feb 2018 22:43

Tgt Ion	139	Resp	628
Ion Ratio	100	Lower	Upper
109	293.9	22.7	34.1#
65	391.5	40.5	60.7#





#31

Naphthalene

Concen: 15.24 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF103097.D

Acq: 19 Feb 2018 22:43

Instrument :

BNA_F

ClientSampled :

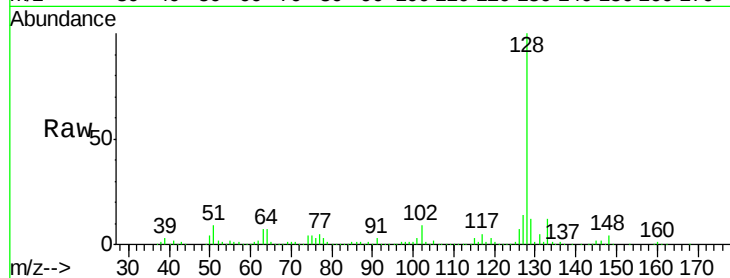
Tot Ion:128 Resp: 535616

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

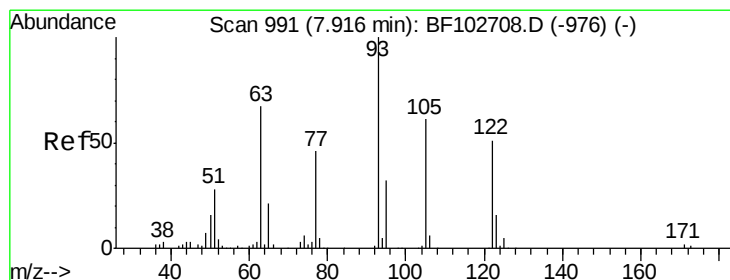
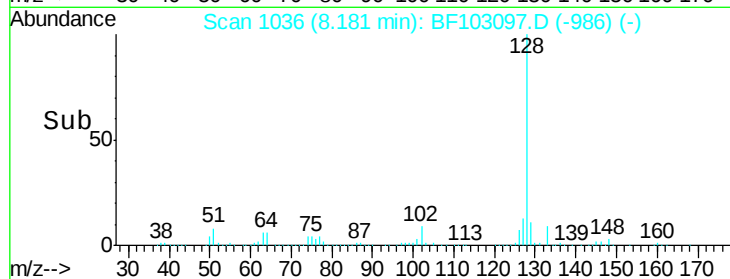
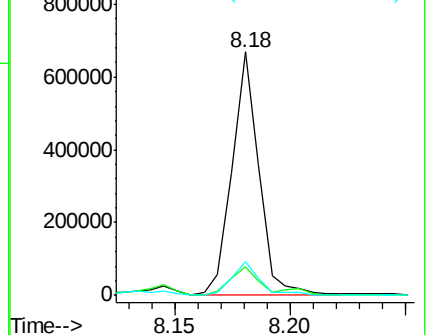
127 13.6 10.9 16.3



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: 8.79 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.00 min

Lab File: BF103097.D

Acq: 19 Feb 2018 22:43

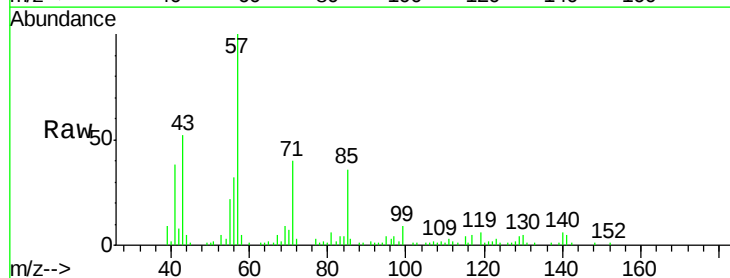
Tgt Ion:122 Resp: 1785

Ion Ratio Lower Upper

122 100

105 73.6 101.1 141.1#

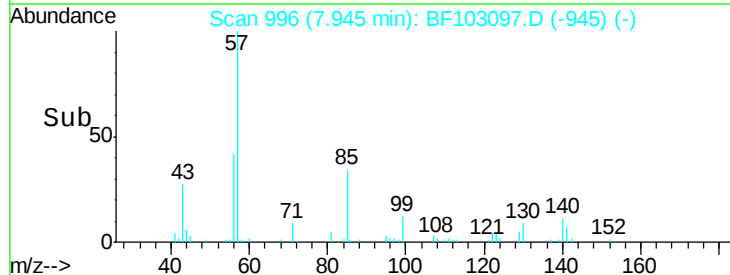
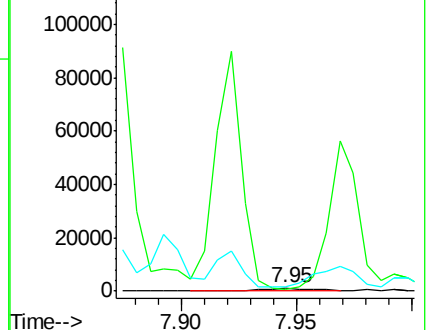
77 142.9 70.7 110.7#

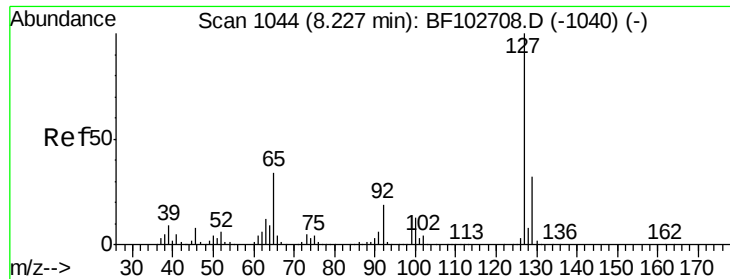


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

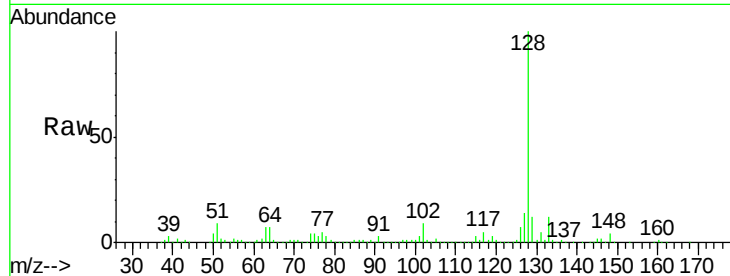




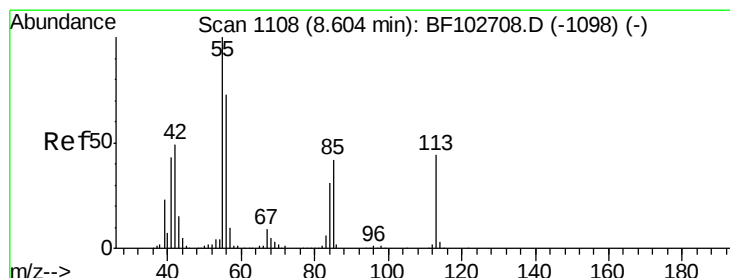
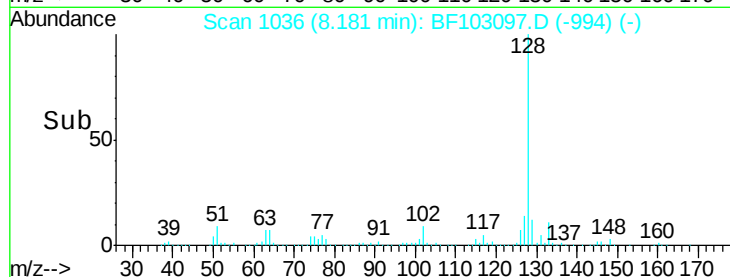
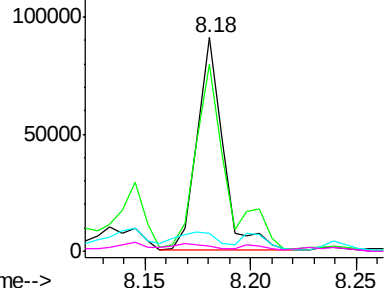
#33
4-Chloroaniline
Concen: 5.05 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.05 min
Lab File: BF103097.D
Acq: 19 Feb 2018 22:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127 Resp: 76480
Ion Ratio Lower Upper
127 100
129 87.4 25.9 38.9#
65 8.6 25.0 37.4#
92 2.4 15.2 22.8#

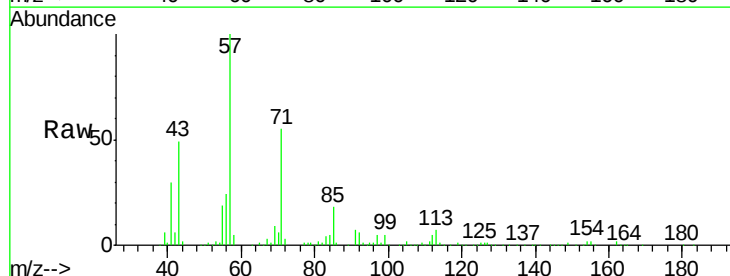


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

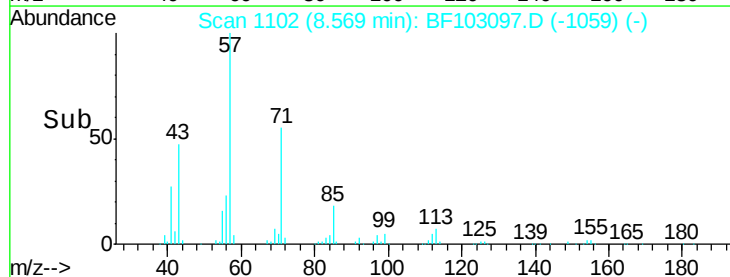
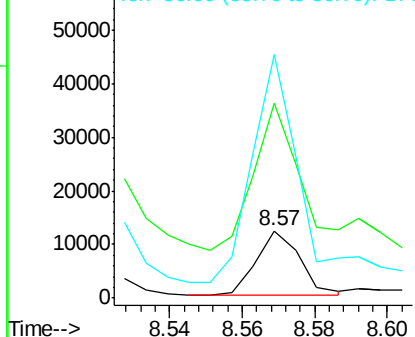


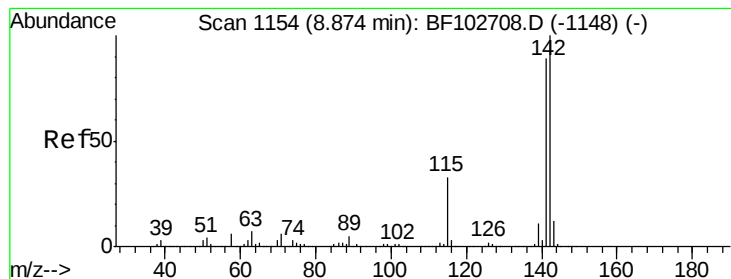
#35
Caprolactam
Concen: 3.16 ng
RT: 8.57 min Scan# 1102
Delta R.T. -0.05 min
Lab File: BF103097.D
Acq: 19 Feb 2018 22:43

Tgt Ion:113 Resp: 10062
Ion Ratio Lower Upper
113 100
55 288.6 163.3 203.3#
56 361.0 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

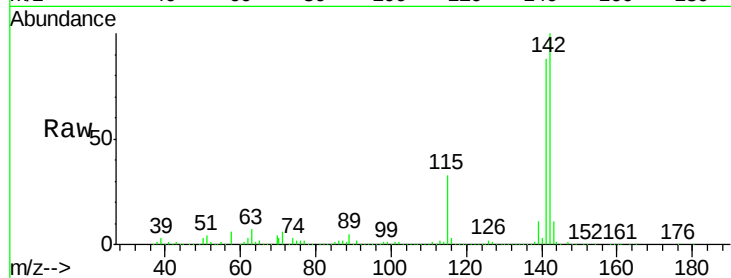




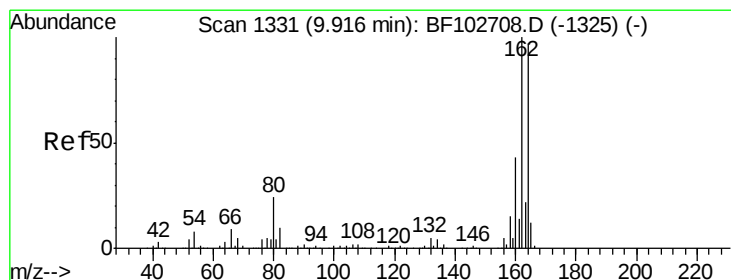
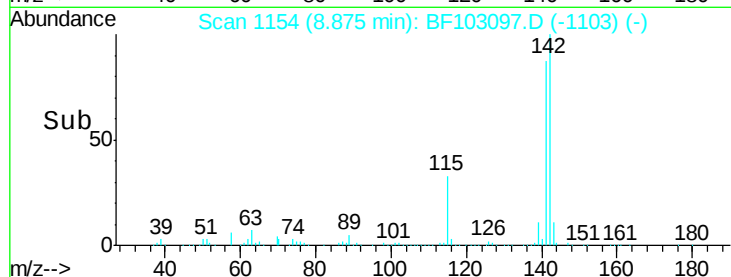
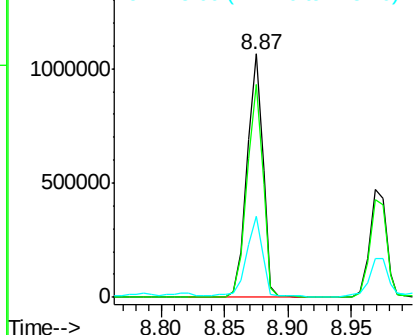
#37
 2-Methylnaphthalene
 Concen: 40.13 ng
 RT: 8.87 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BF103097.D
 Acq: 19 Feb 2018 22:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2
115	33.4	26.1	39.1

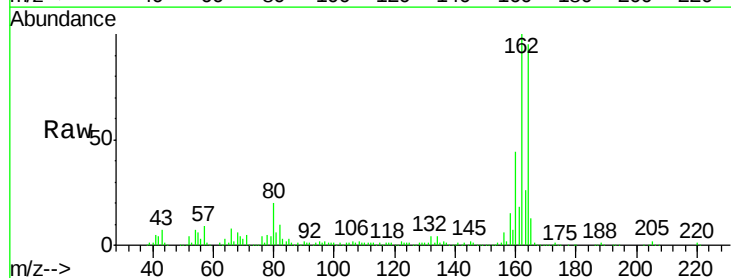


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

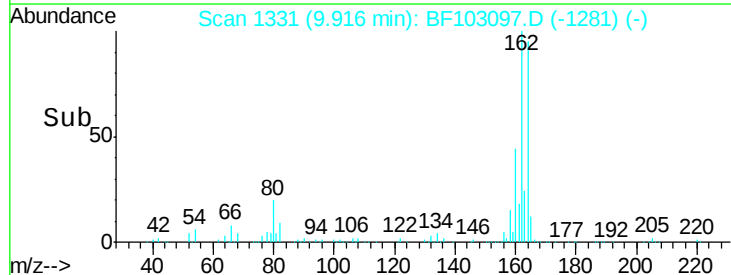
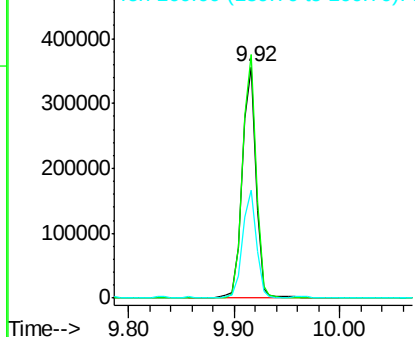


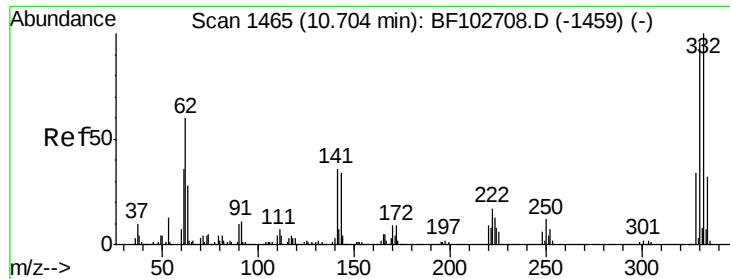
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103097.D
 Acq: 19 Feb 2018 22:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	46.8	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

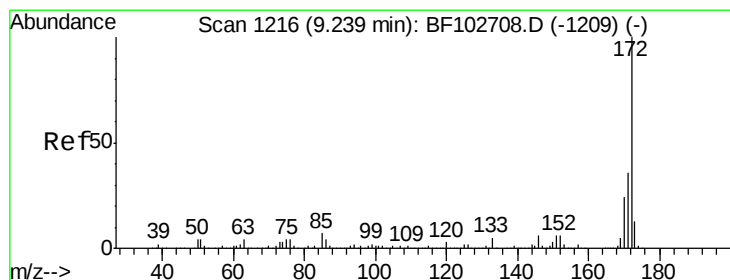
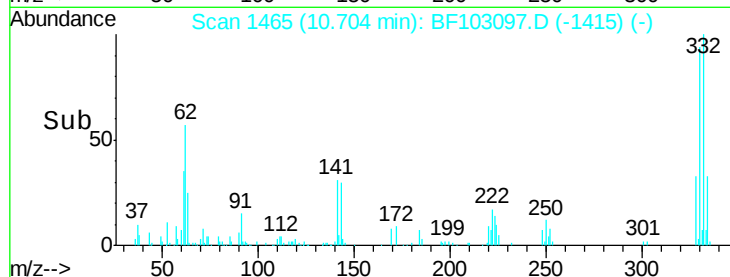
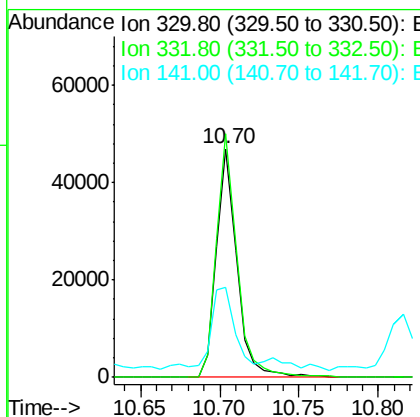
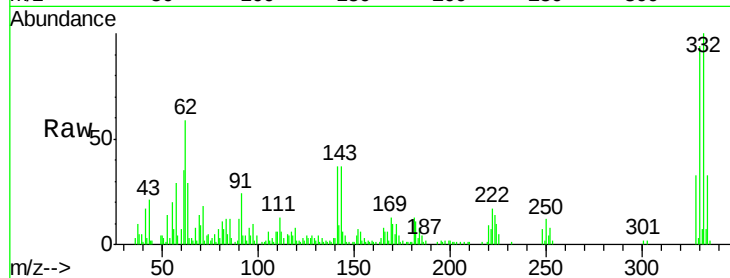




#41
 2,4,6-Tribromophenol
 Concen: 16.75 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103097.D
 Acq: 19 Feb 2018 22:43

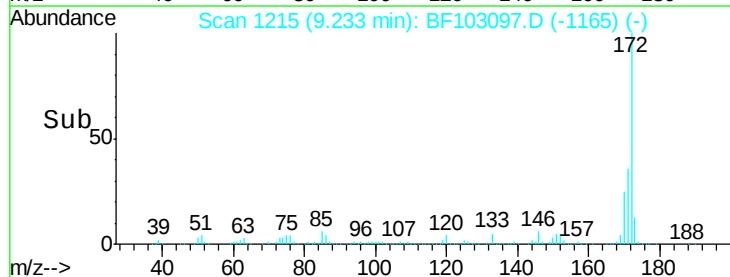
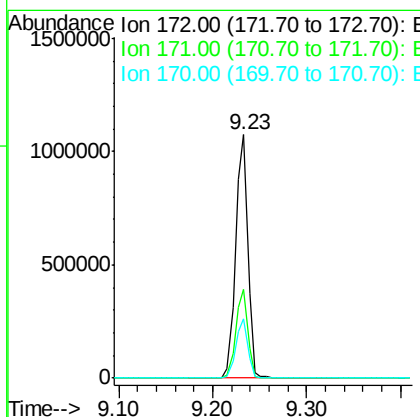
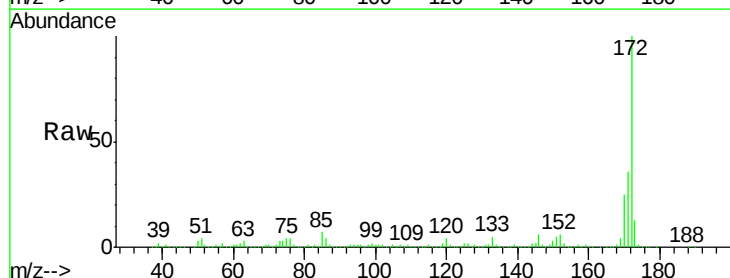
Instrument :
 BNA_F
 ClientSampleId :

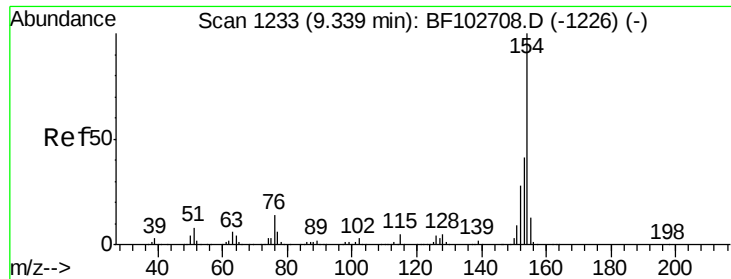
Tot Ion:330 Resp: 42542
 Ion Ratio Lower Upper
 330 100
 332 106.6 77.0 115.6
 141 41.9 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 50.93 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103097.D
 Acq: 19 Feb 2018 22:43

Tgt Ion:172 Resp: 968681
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.6 19.6 29.4





#45

1,1'-Biphenyl

Concen: 3.36 ng

RT: 9.33 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BF103097.D

Acq: 19 Feb 2018 22:43

Instrument :

BNA_F

ClientSampleId :

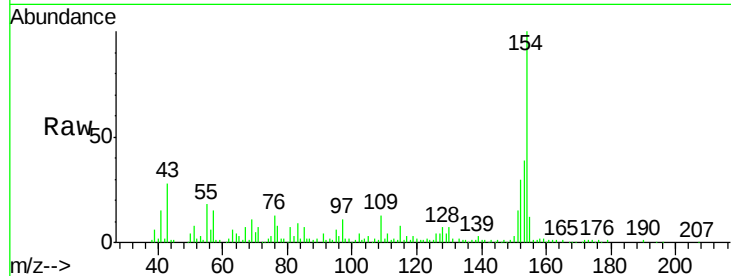
Tot Ion:154 Resp: 89359

Ion Ratio Lower Upper

154 100

153 39.4 21.3 61.3

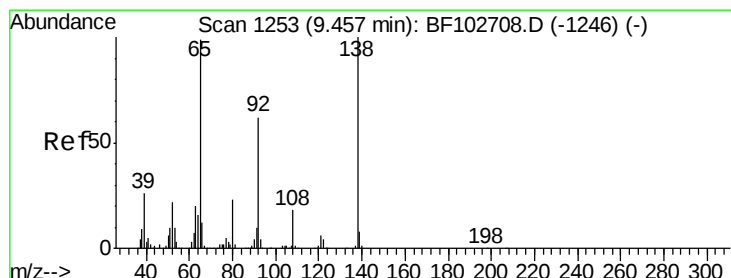
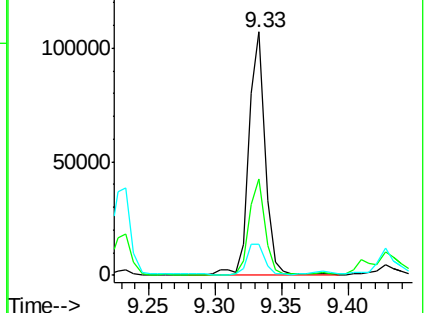
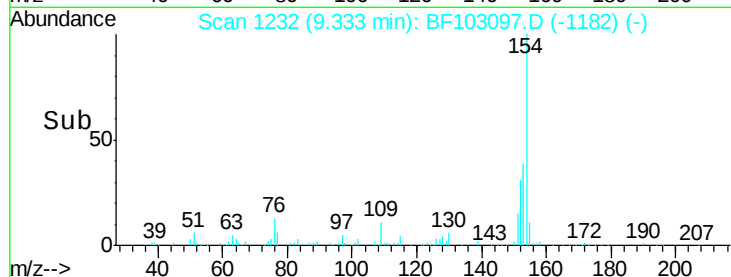
76 12.8 0.0 34.0



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): BF1



#47

2-Nitroaniline

Concen: 3.75 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.04 min

Lab File: BF103097.D

Acq: 19 Feb 2018 22:43

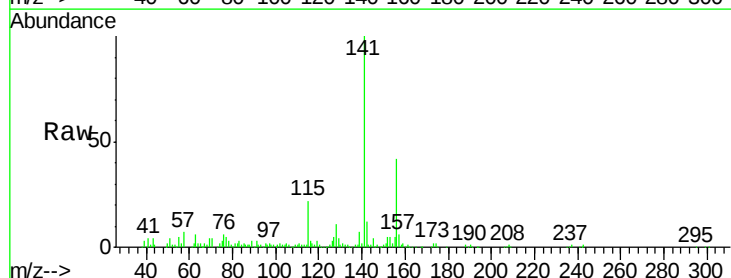
Tgt Ion: 65 Resp: 1958

Ion Ratio Lower Upper

65 100

92 26.9 55.8 83.6#

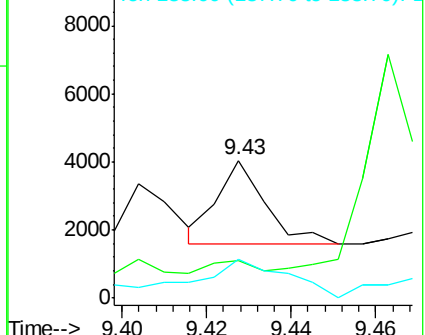
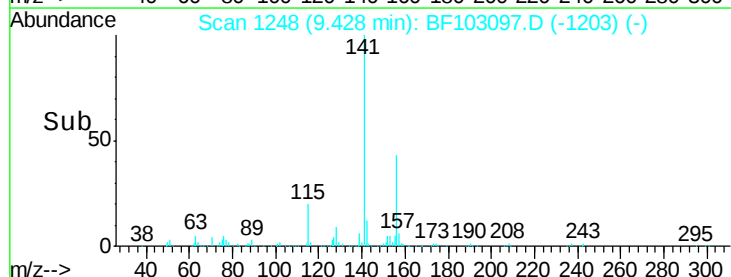
138 28.0 91.2 136.8#

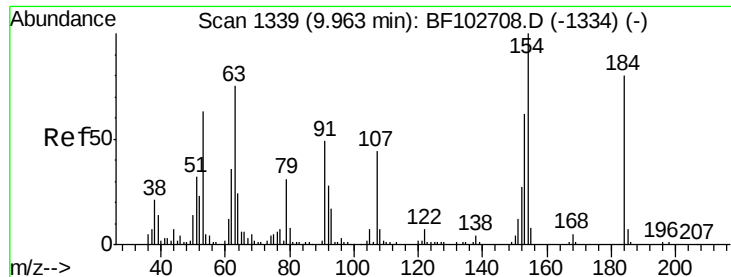


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

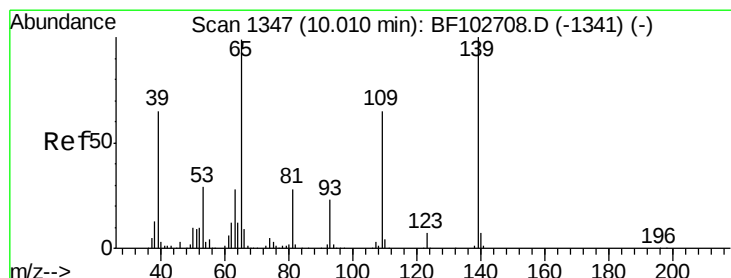
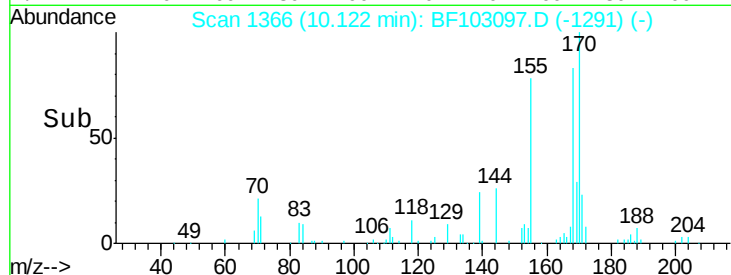
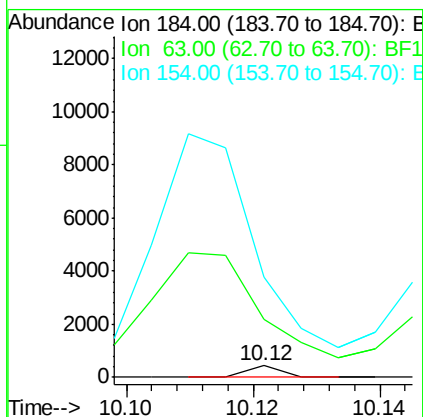
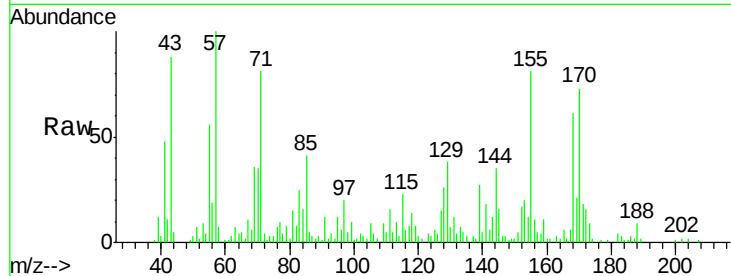




#53
2,4-Dinitrophenol
Concen: 8.11 na
RT: 10.12 min Scan# 1366
Delta R.T. 0.14 min
Lab File: BF103097.D
Acq: 19 Feb 2018 22:43

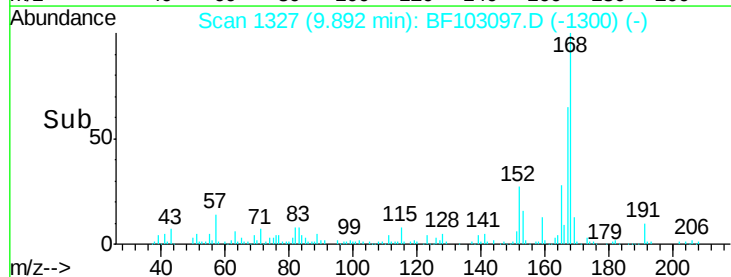
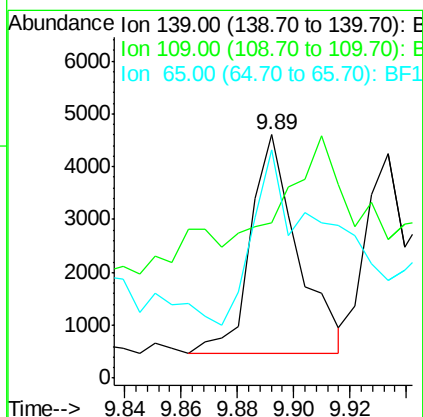
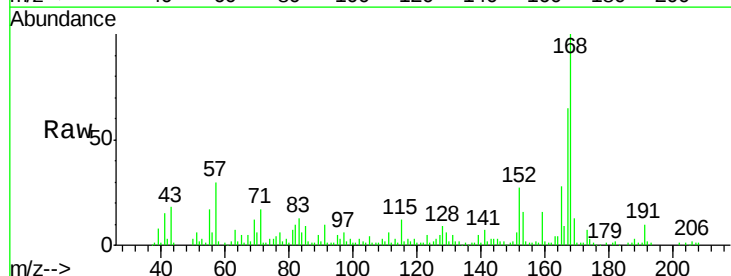
Instrument :
BNA_F
ClientSampled :

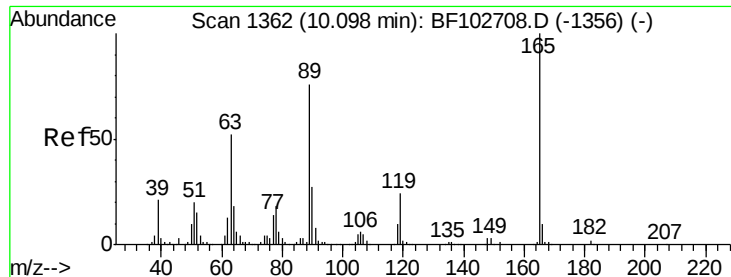
Tot Ion:184 Resp: 154
Ion Ratio Lower Upper
184 100
63 506.7 54.2 81.2#
154 861.5 184.0 276.0#



#55
4-Nitrophenol
Concen: 4.99 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.14 min
Lab File: BF103097.D
Acq: 19 Feb 2018 22:43

Tgt Ion:139 Resp: 4827
Ion Ratio Lower Upper
139 100
109 63.8 48.4 88.4
65 93.6 72.6 112.6

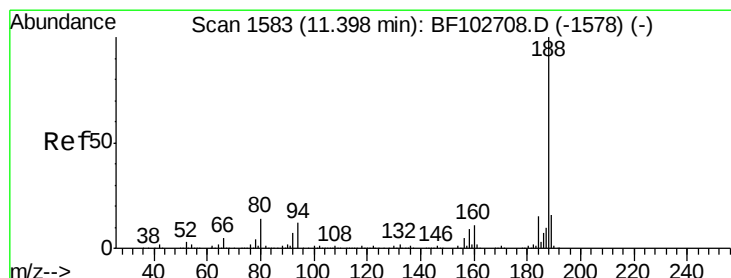
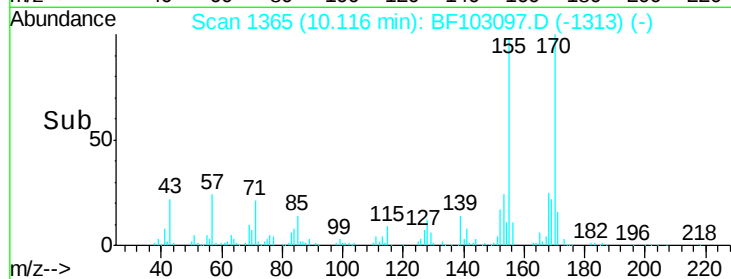
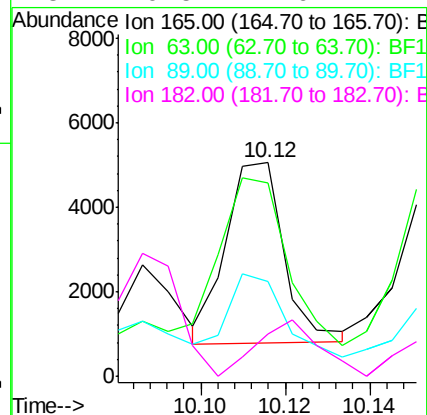
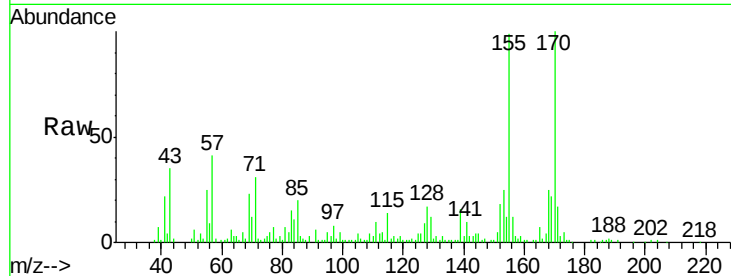




#56
2,4-Dinitrotoluene
Concen: 3.68 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF103097.D
Acq: 19 Feb 2018 22:43

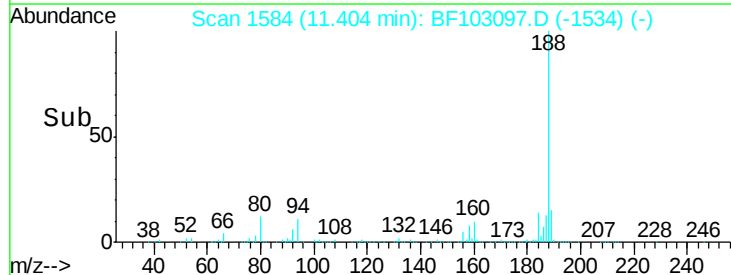
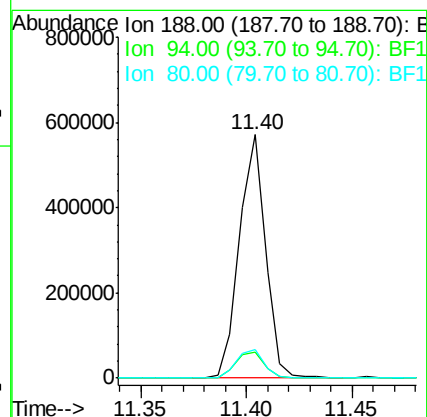
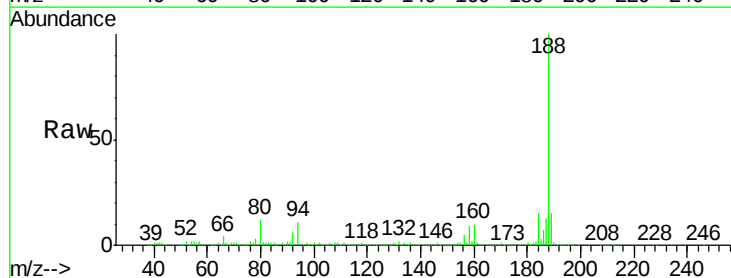
Instrument :
BNA_F
ClientSampleId :

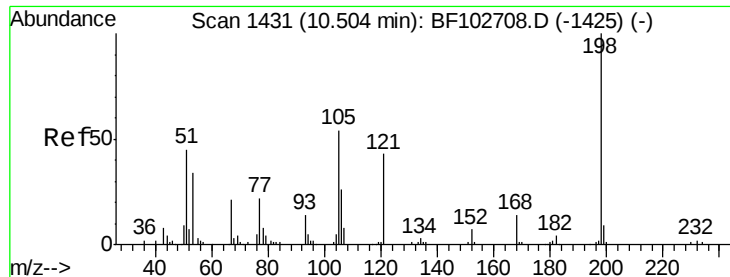
Tot Ion:165 Resp: 4074
Ion Ratio Lower Upper
165 100
63 90.7 36.4 54.6#
89 44.4 57.8 86.6#
182 19.5 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103097.D
Acq: 19 Feb 2018 22:43

Tgt Ion:188 Resp: 488733
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.8 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.85 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.13 min

Lab File: BF103097.D

Acq: 19 Feb 2018 22:43

Instrument :

BNA_F

ClientSampleId :

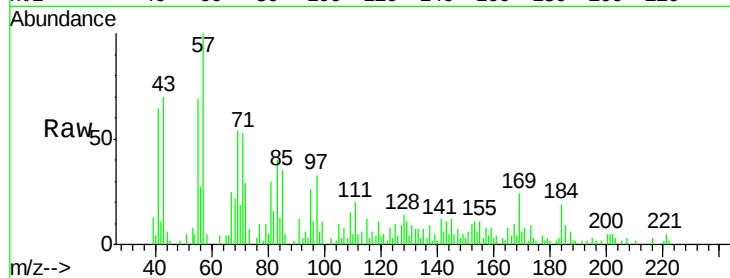
Tot Ion:198 Resp: 136

Ion Ratio Lower Upper

198 100

51 248.8 37.7 77.7#

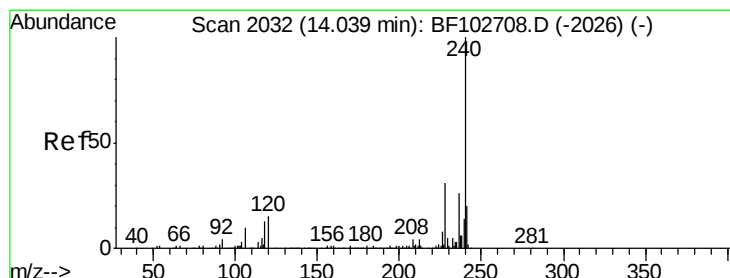
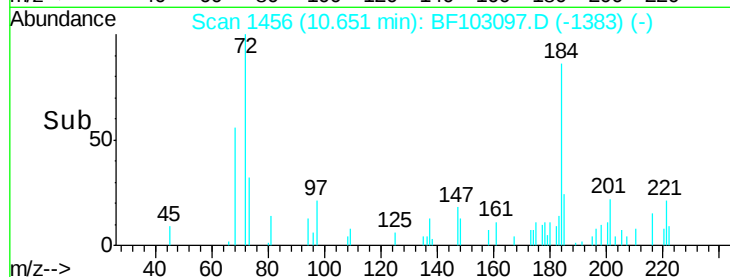
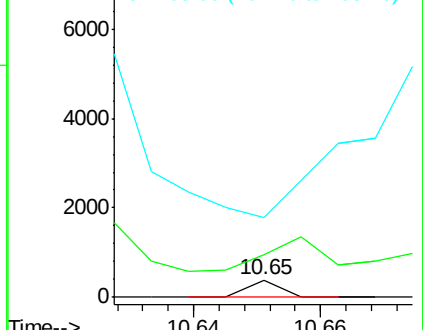
105 460.0 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103097.D

Acq: 19 Feb 2018 22:43

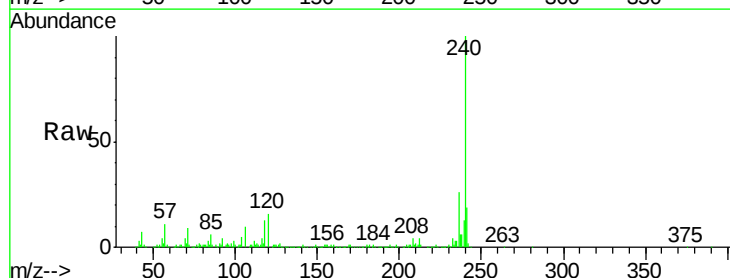
Tgt Ion:240 Resp: 312010

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

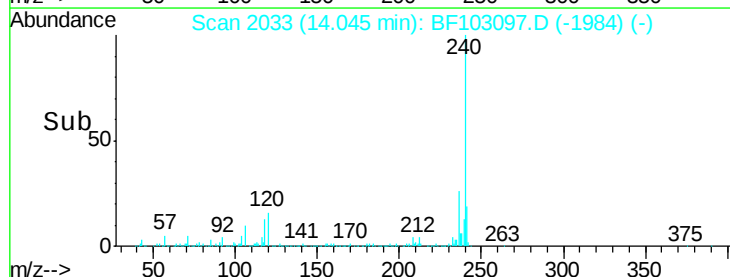
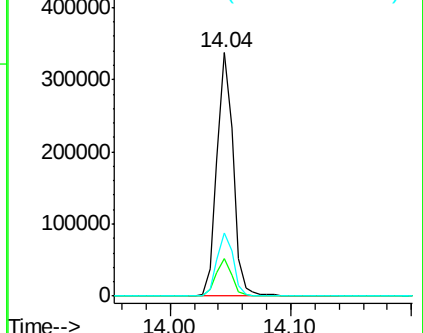
236 25.8 20.7 31.1

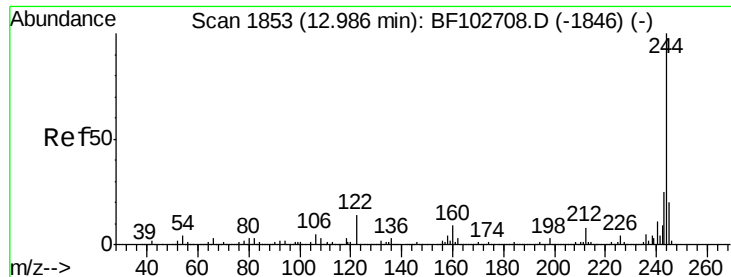


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 53.85 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103097.D

Acq: 19 Feb 2018 22:43

Instrument :

BNA_F

ClientSampleId :

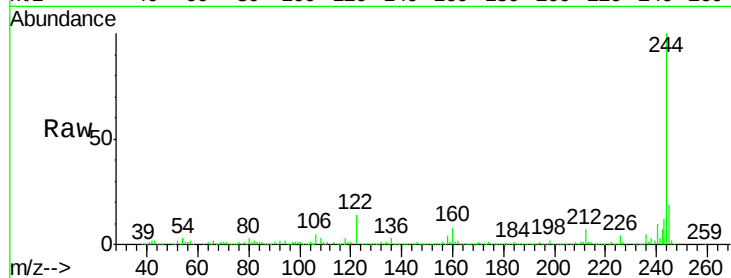
Tot Ion:244 Resp: 709645

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 13.9 11.0 16.4

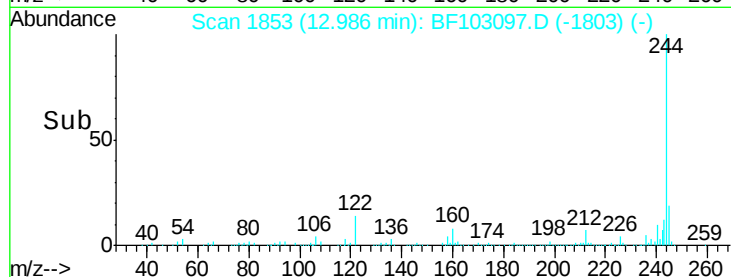


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



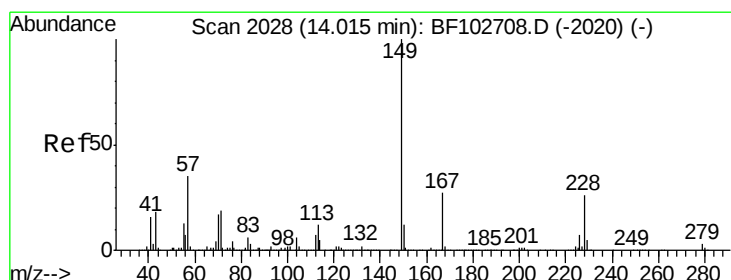
Abundance

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

Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 26.50 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF103097.D

Acq: 19 Feb 2018 22:43

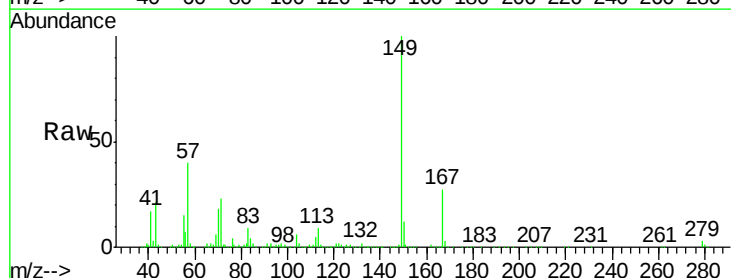
Tgt Ion:149 Resp: 397170

Ion Ratio Lower Upper

149 100

167 27.2 21.3 31.9

279 2.9 3.0 4.4#

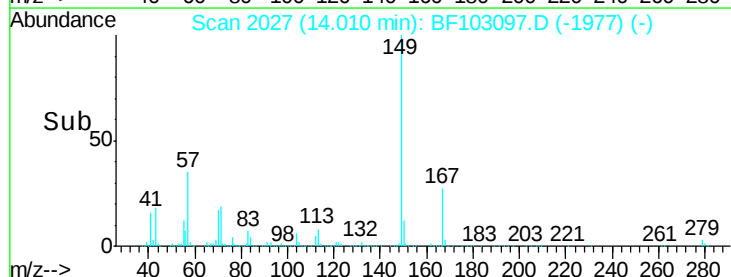


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->



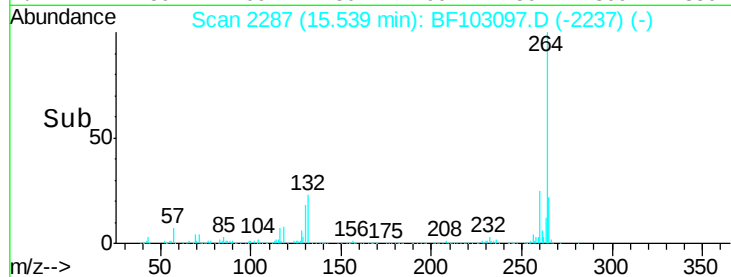
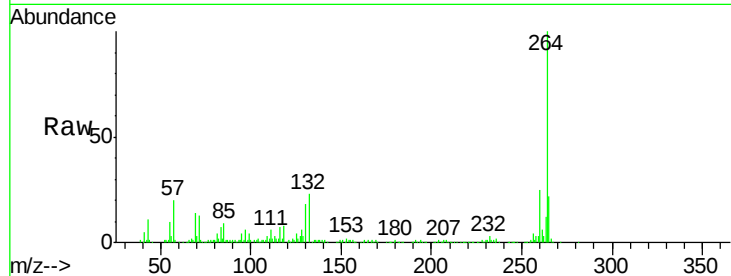
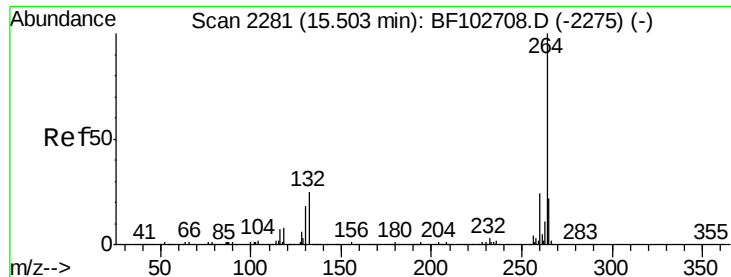
Abundance

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

Time-->



#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF103097.D
Acq: 19 Feb 2018 22:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	328890
Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	21.6	17.5	26.3

