

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097780.D
 Acq On : 17 Aug 2017 11:01
 Operator : SJ/JU
 Sample : I4797-02 10X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 17 14:57:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	155017	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	583588	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	229303	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	336968	20.00	ng	0.00
75) Chrysene-d12	13.94	240	304172	20.00	ng	0.00
86) Perylene-d12	15.37	264	267273	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	99627	9.78	ng	-0.01
7) Phenol-d6	6.40	99	138227	9.98	ng	-0.01
23) Nitrobenzene-d5	7.33	82	81800	7.61	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	15800	7.94	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	130338	8.35	ng	0.00
78) Terphenyl-d14	12.89	244	70523	4.83	ng	0.00

Target Compounds

						Qvalue
12) 1,3-Dichlorobenzene	6.72	146	46653	4.035	ng	# 94
13) 1,4-Dichlorobenzene	6.80	146	103121	8.770	ng	# 92
14) 1,2-Dichlorobenzene	6.95	146	63080	5.818	ng	# 97
18) Hexachloroethane	7.32	117	21293	4.619	ng	# 1
26) 2-Nitrophenol	7.69	139	1464	5.559	ng	# 1
30) 1,2,4-Trichlorobenzene	8.00	180	39297	4.584	ng	# 98
31) Naphthalene	8.09	128	133340	4.401	ng	# 97
32) Benzoic acid	7.85	122	3450	6.845	ng	# 59
35) Caprolactam	8.50	113	19572	7.445	ng	# 43
37) 2-Methylnaphthalene	8.78	142	477641	25.714	ng	# 99
45) 1,1'-Biphenyl	9.24	154	102833	4.918	ng	# 94
48) Acenaphthylene	9.68	152	84296	3.474	ng	# 66
51) Acenaphthene	9.86	154	506644	33.110	ng	# 98
52) 3-Nitroaniline	9.77	138	14074	3.260	ng	# 11
53) 2,4-Dinitrophenol	9.86	184	462	10.395	ng	# 1
54) Dibenzofuran	10.03	168	191988	9.362	ng	# 65
55) 4-Nitrophenol	9.93	139	37266	10.822	ng	# 44
56) 2,4-Dinitrotoluene	10.03	165	24192	5.762	ng	# 45
57) Fluorene	10.37	166	218969	13.810	ng	# 97
64) 4,6-Dinitro-2-methylphenol	10.39	198	1102	8.894	ng	# 1
65) n-Nitrosodiphenylamine	10.48	169	117416	10.233	ng	# 57
70) Phenanthrene	11.33	178	589755	32.844	ng	# 98
71) Anthracene	11.38	178	303759	16.679	ng	# 99
74) Fluoranthene	12.52	202	845496	45.113	ng	# 100
77) Pyrene	12.74	202	801231	32.207	ng	# 97
80) Benzo(a)anthracene	13.93	228	296473	16.263	ng	# 97
82) Chrysene	13.93	228	296473	16.348	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.76	276	83469	6.257	ng	# 90
87) Benzo(b)fluoranthene	14.96	252	407637	24.196	ng	# 98
88) Benzo(k)fluoranthene	14.96	252	407637	25.754	ng	# 98
89) Benzo(a)pyrene	15.30	252	174611	11.708	ng	# 97
91) Benzo(a,h,i)perylene	17.17	276	73839	5.828	ng	# 94

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097780.D
Acq On : 17 Aug 2017 11:01
Operator : SJ/JU
Sample : I4797-02 10X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 17 14:57:26 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration

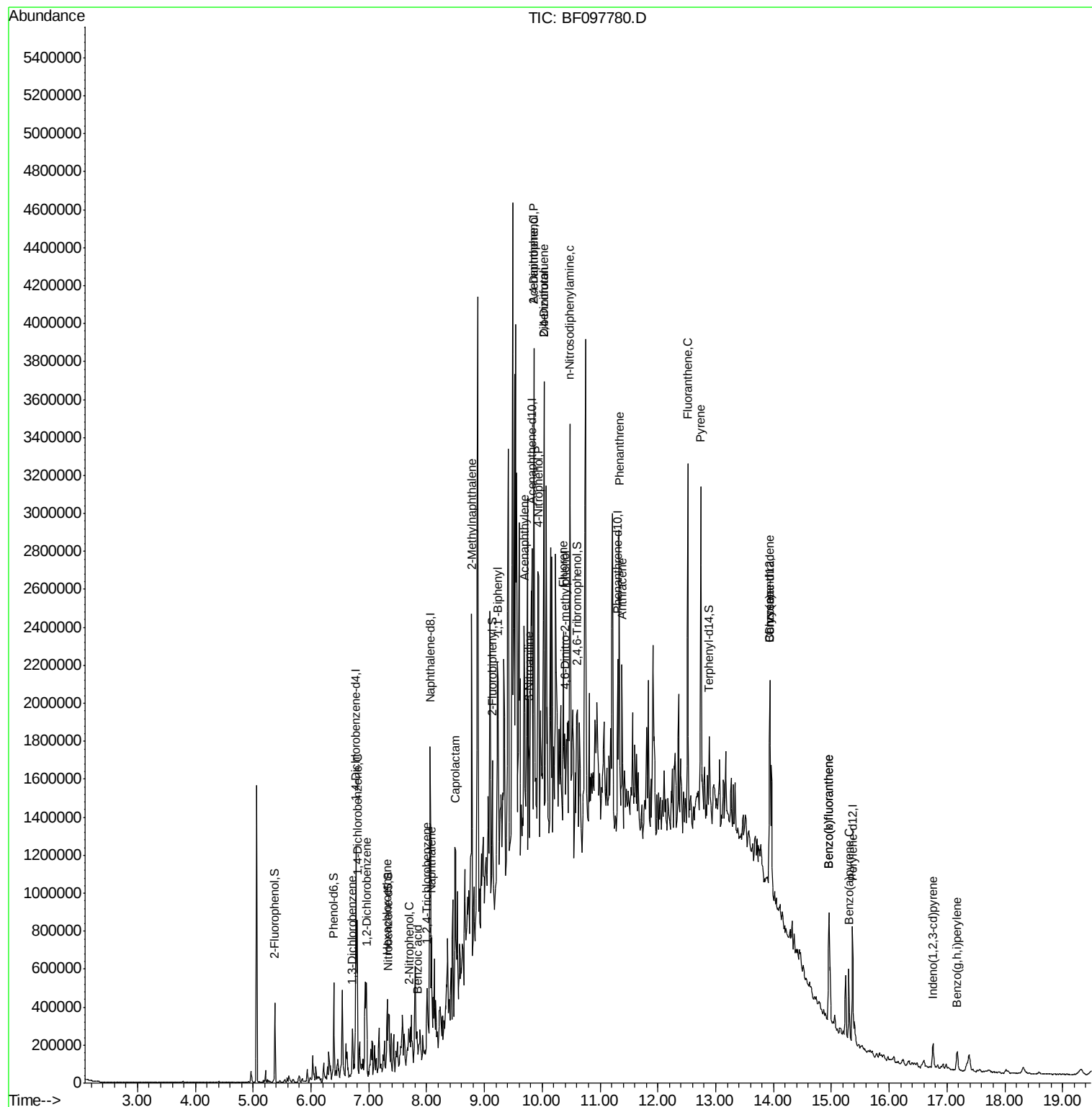
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

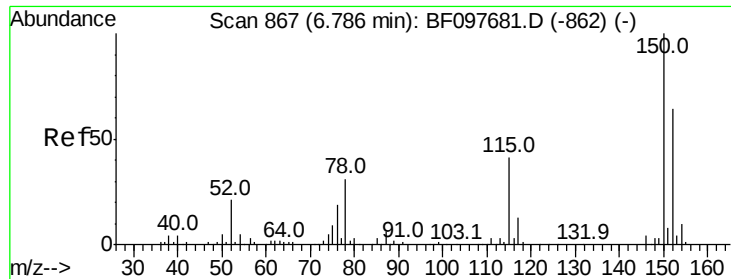
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097780.D
Acq On : 17 Aug 2017 11:01
Operator : SJ/JU
Sample : I4797-02 10X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 17 14:57:26 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration



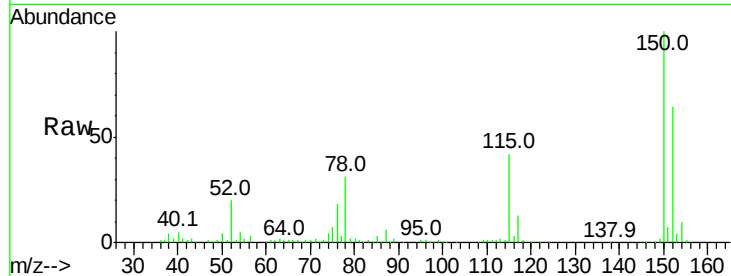


#1

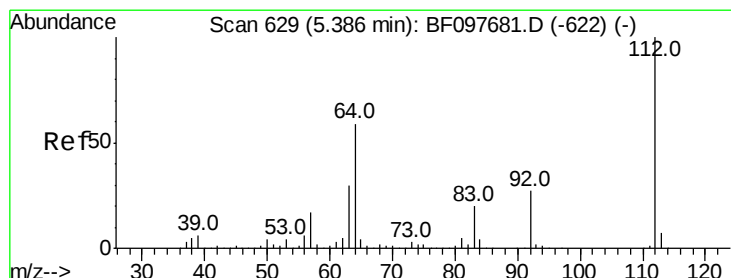
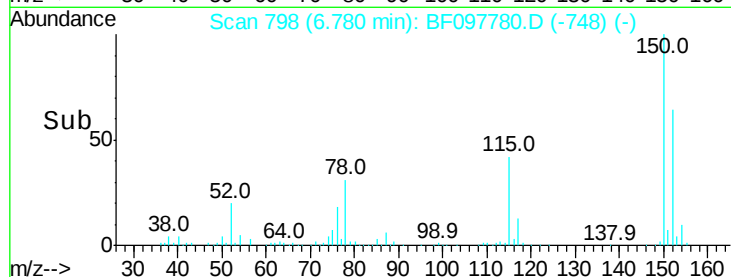
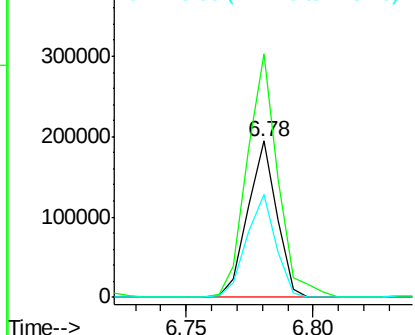
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097780.D
Acq: 17 Aug 2017 11:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.2	189.2
115	65.9	52.2	78.2



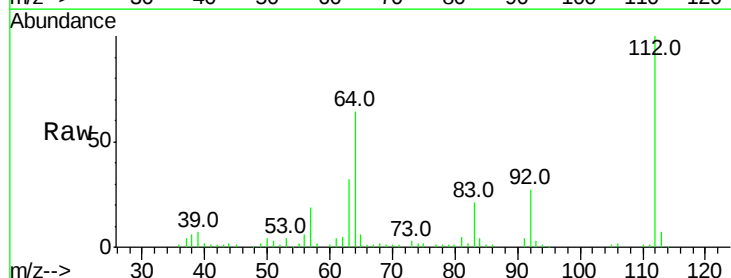
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



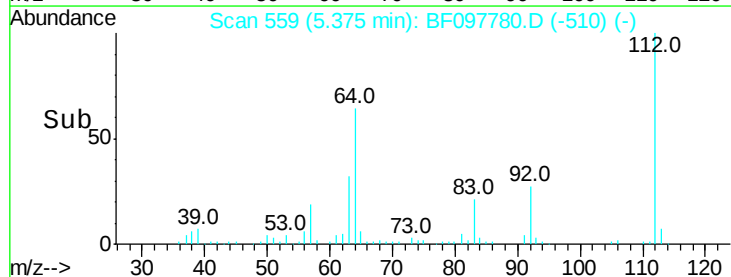
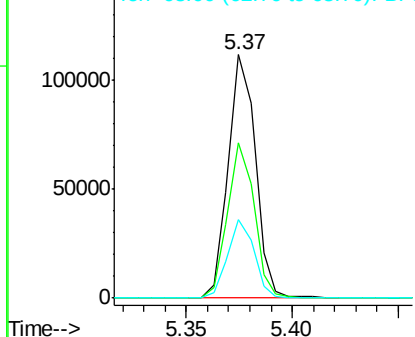
#5

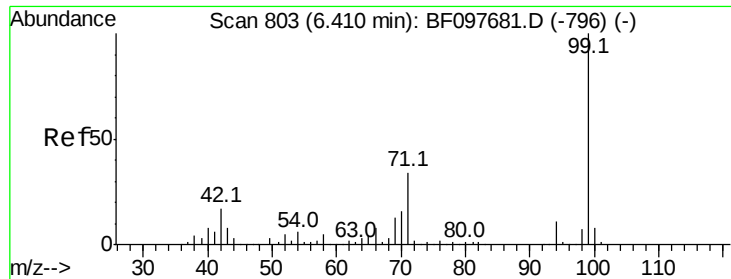
2-Fluorophenol
Concen: 9.776 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097780.D
Acq: 17 Aug 2017 11:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	46.0	69.0
63	32.1	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 9.982 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

Instrument :

BNA_F

ClientSampleId :

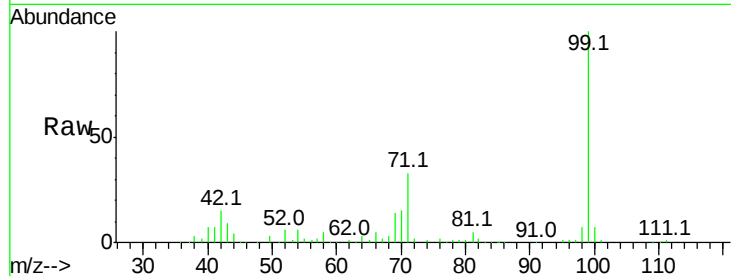
Tot Ion: 99 Resp: 138227

Ion Ratio Lower Upper

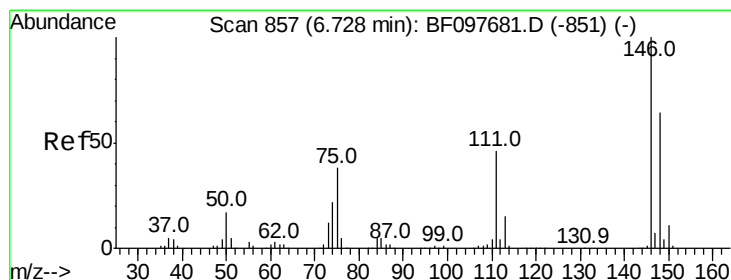
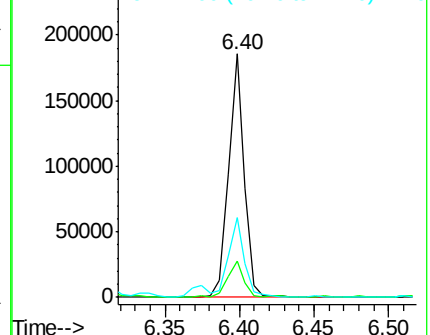
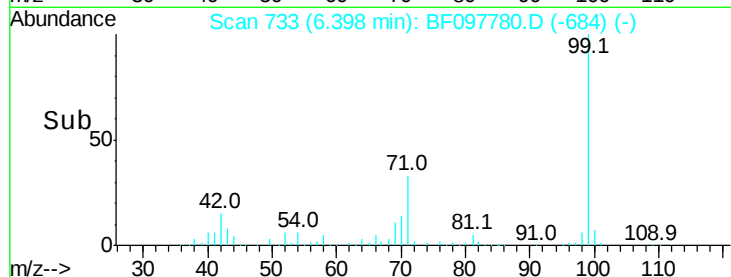
99 100

42 14.9 13.5 20.3

71 33.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#12

1,3-Dichlorobenzene

Concen: 4.035 ng

RT: 6.72 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

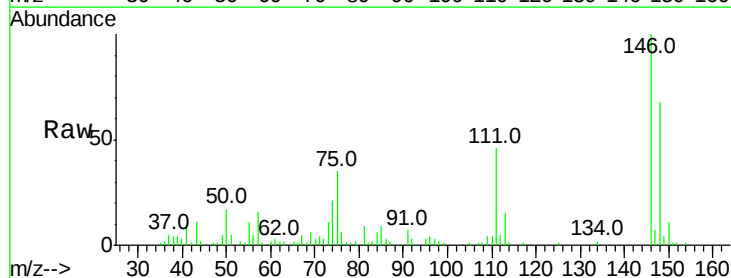
Tgt Ion: 146 Resp: 46653

Ion Ratio Lower Upper

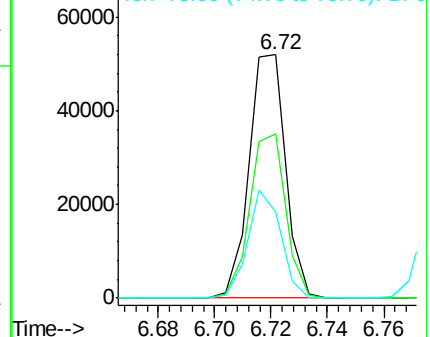
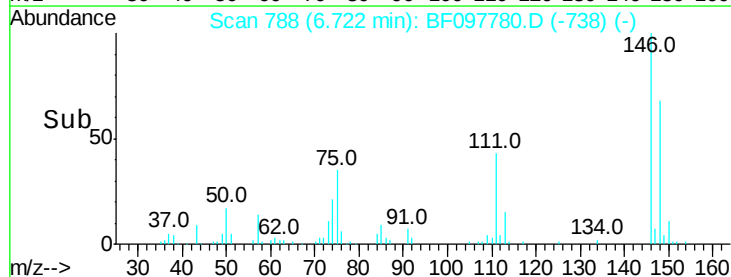
146 100

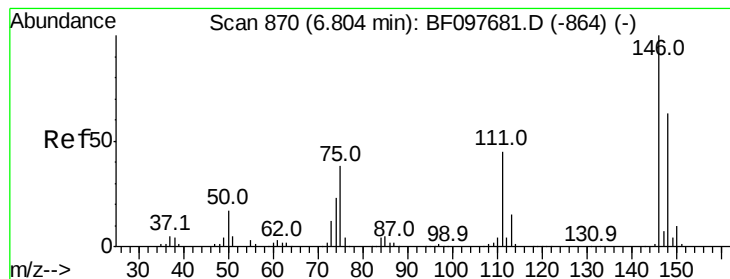
148 67.7 51.8 77.6

75 35.4 23.1 34.7#



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: 8.770 ng

RT: 6.80 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

Instrument :

BNA_F

ClientSampleId :

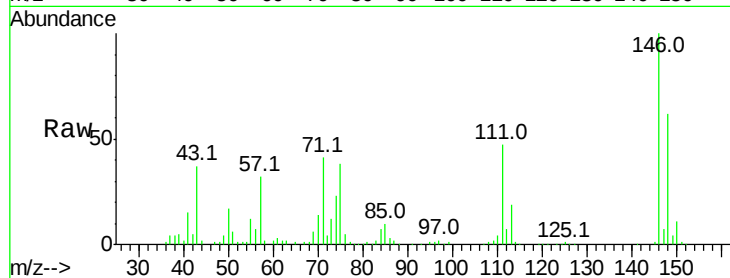
Tot Ion:146 Resp: 103121

Ion Ratio Lower Upper

146 100

148 61.9 52.2 78.2

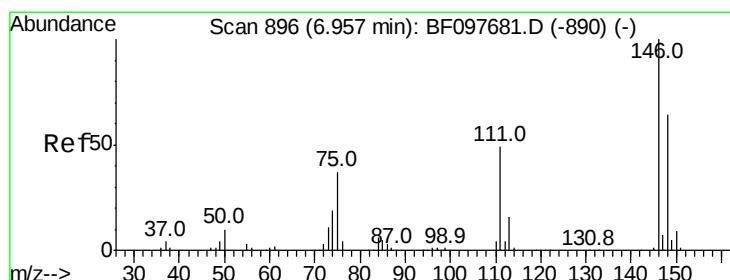
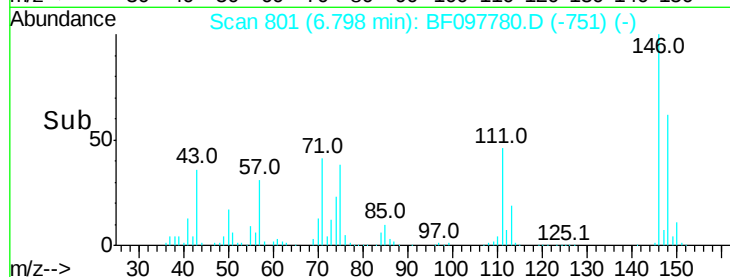
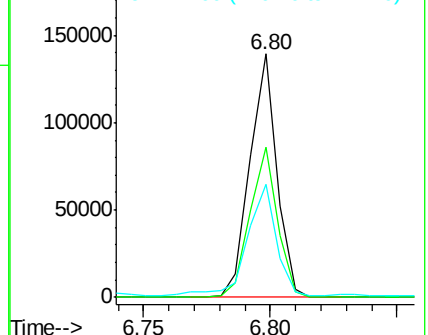
111 46.5 30.3 45.5#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 5.818 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

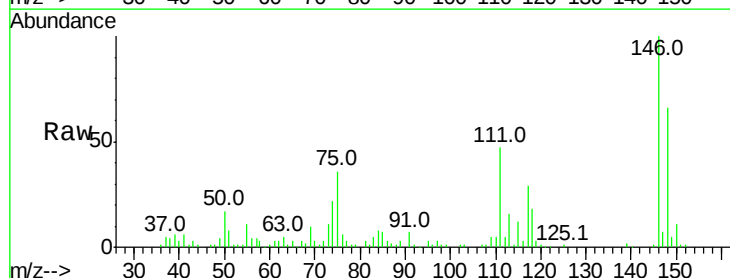
Tgt Ion:146 Resp: 63080

Ion Ratio Lower Upper

146 100

148 66.1 50.4 75.6

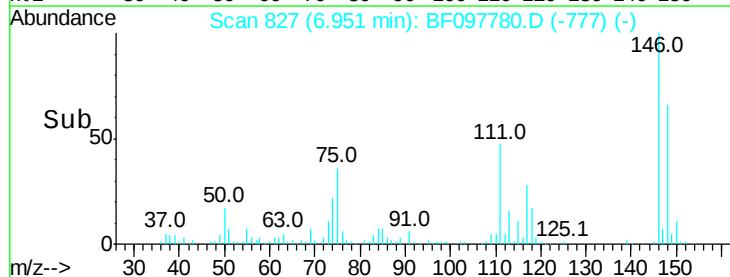
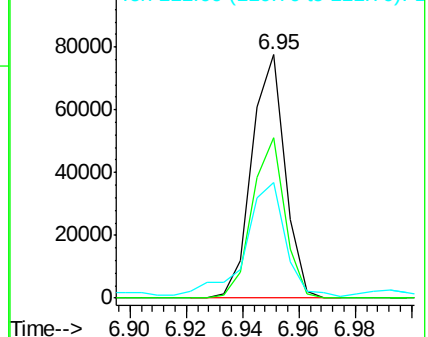
111 47.4 38.2 57.4

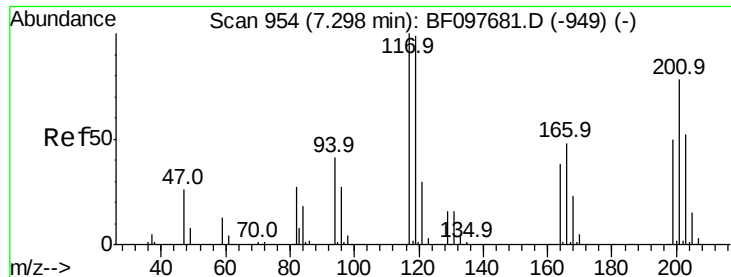


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#18

Hexachloroethane

Concen: 4.619 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.02 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

Instrument :

BNA_F

ClientSampled :

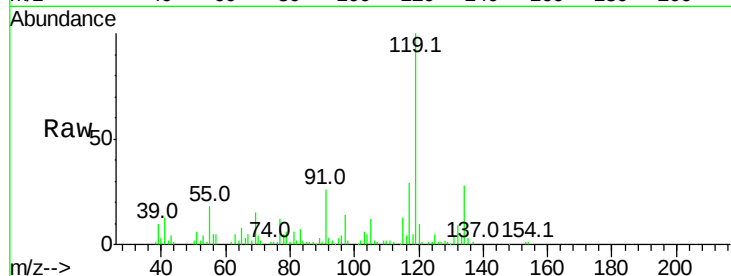
Tot Ion:117 Resp: 21293

Ion Ratio Lower Upper

117 100

119 344.6 77.4 116.0#

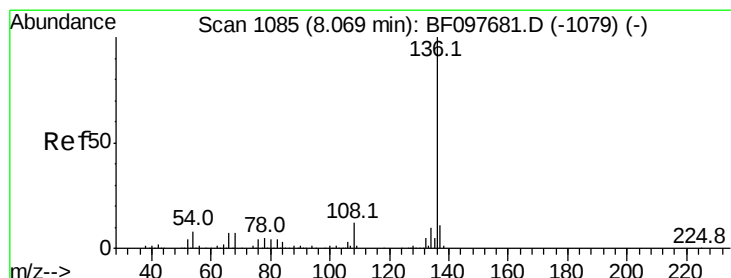
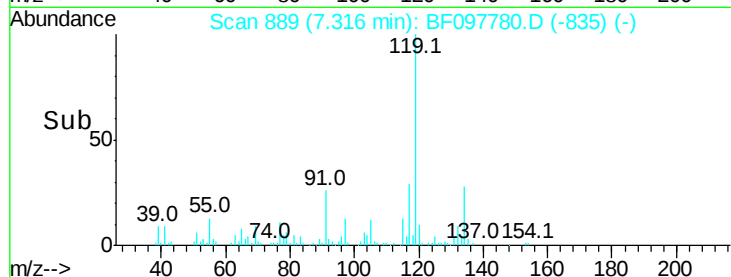
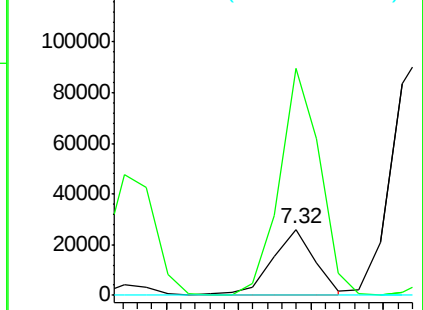
201 0.0 94.6 141.8#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

Tgt Ion:136 Resp: 583588

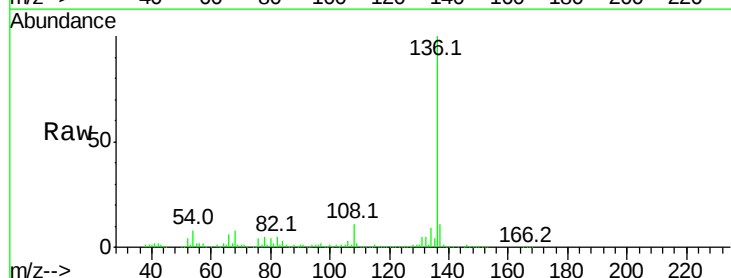
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 8.3 4.9 7.3#

68 8.4 4.1 6.1#

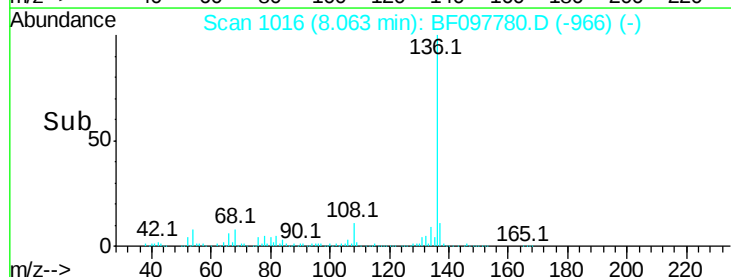
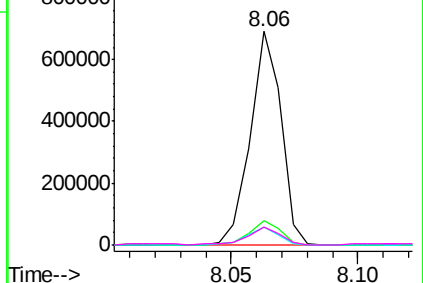


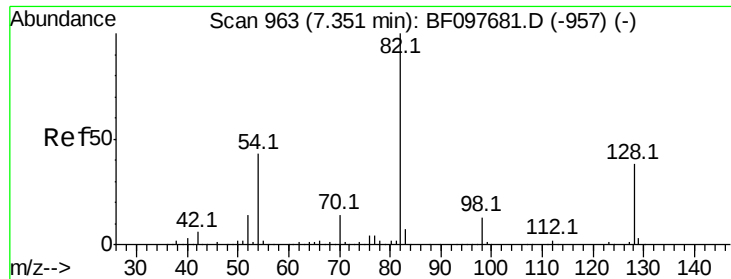
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

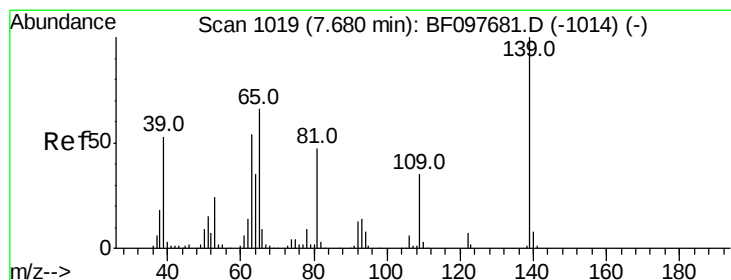
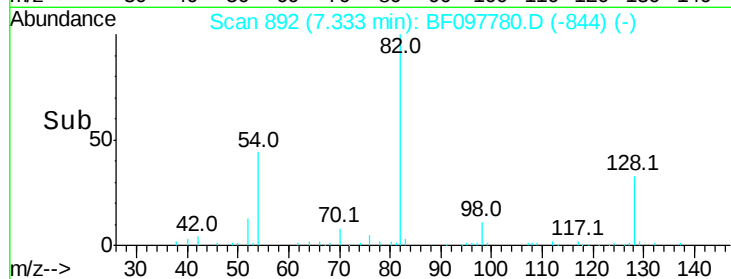
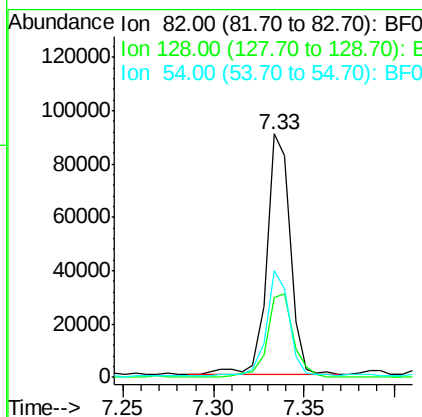
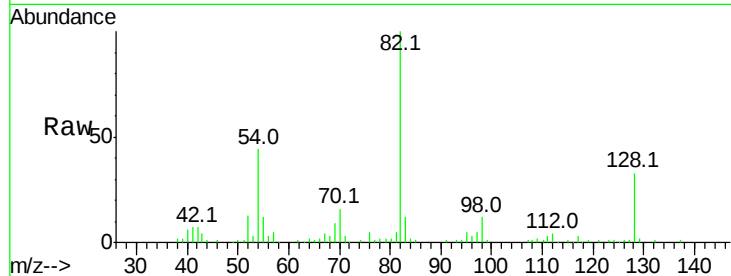




#23
Nitrobenzene-d5
Concen: 7.615 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF097780.D
Acq: 17 Aug 2017 11:01

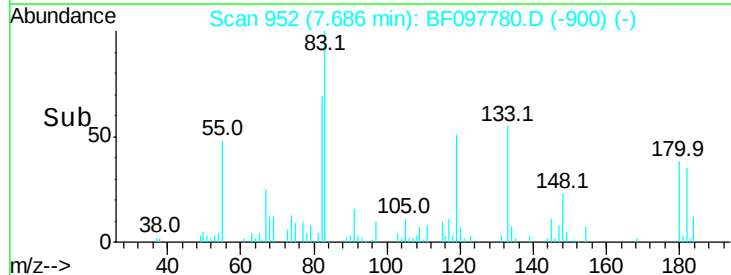
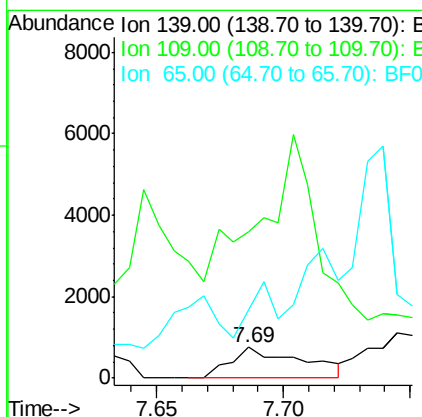
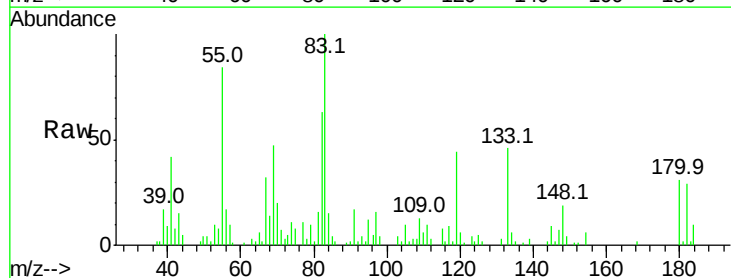
Instrument :
BNA_F
ClientSampleId :

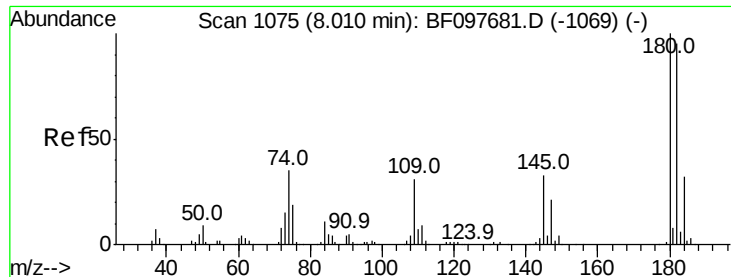
Tot Ion	82	Resp	81800
Ion Ratio	Lower	Upper	
82	100		
128	32.6	34.0	51.0#
54	43.8	42.2	63.2



#26
2-Nitrophenol
Concen: 5.559 ng
RT: 7.69 min Scan# 952
Delta R.T. 0.01 min
Lab File: BF097780.D
Acq: 17 Aug 2017 11:01

Tgt Ion	139	Resp	1464
Ion Ratio	Lower	Upper	
139	100		
109	474.5	21.0	31.6#
65	220.6	33.0	49.6#

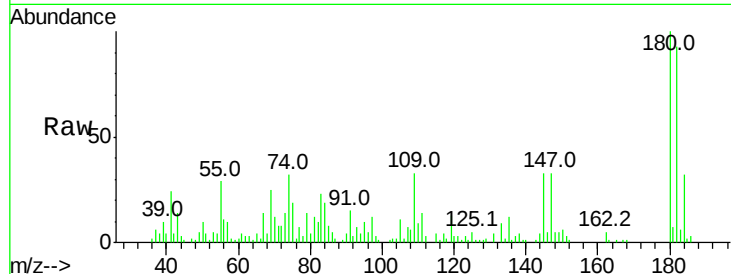




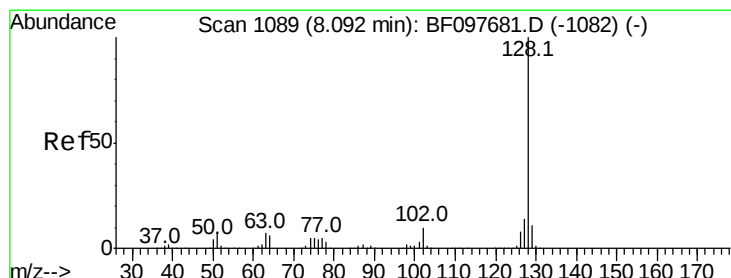
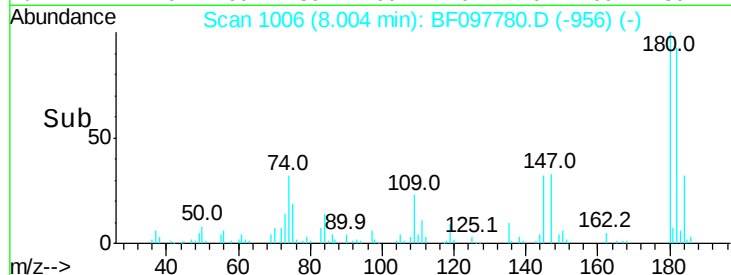
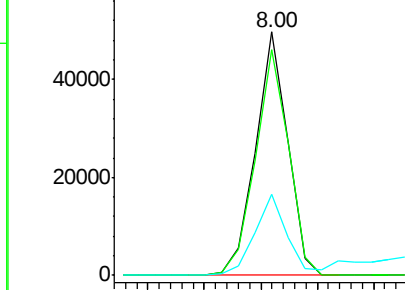
#30
 1,2,4-Trichlorobenzene
 Concen: 4.584 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BF097780.D
 Acq: 17 Aug 2017 11:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:180 Resp: 39297
 Ion Ratio Lower Upper
 180 100
 182 92.6 75.8 113.6
 145 33.2 25.3 37.9

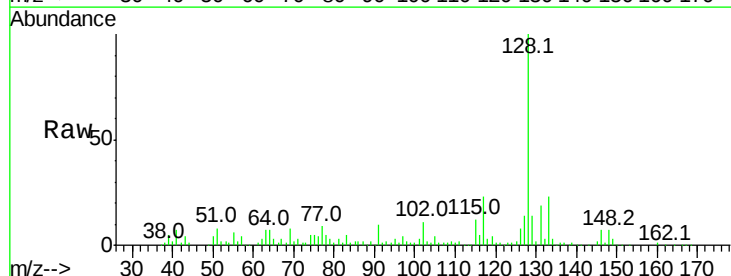


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

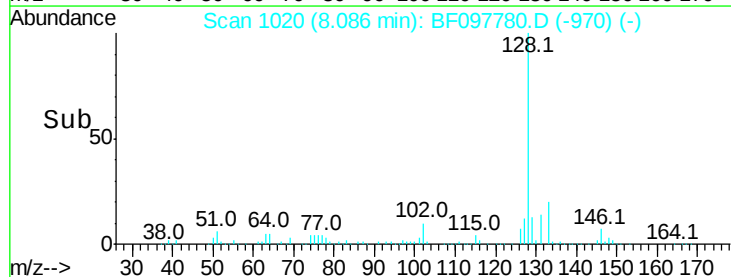
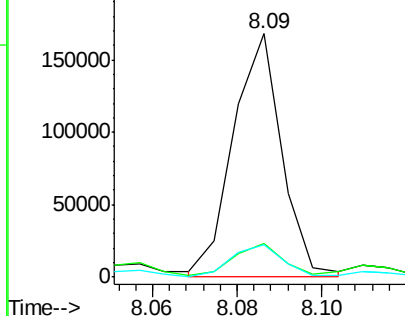


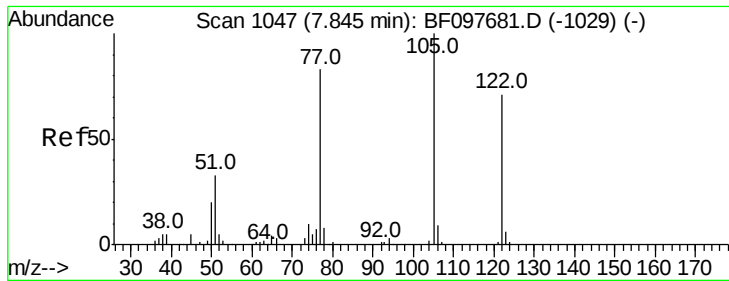
#31
 Naphthalene
 Concen: 4.401 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BF097780.D
 Acq: 17 Aug 2017 11:01

Tgt Ion:128 Resp: 133340
 Ion Ratio Lower Upper
 128 100
 129 13.9 9.0 13.6#
 127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

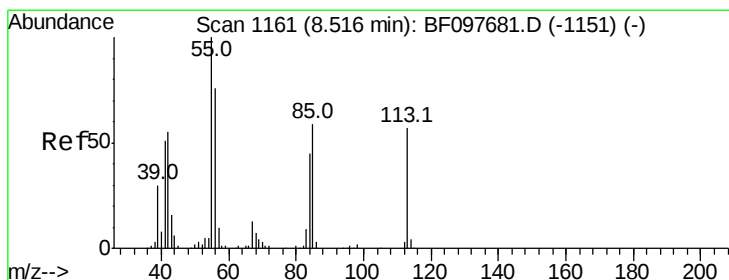
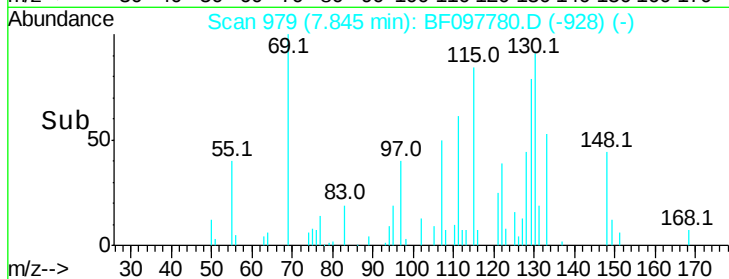
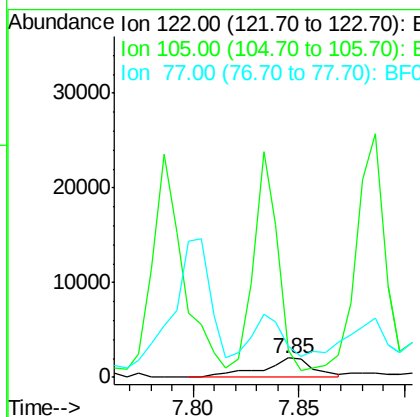
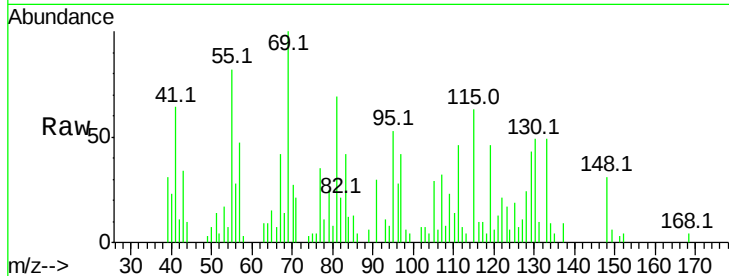




#32
Benzoic acid
Concen: 6.845 ng
RT: 7.85 min Scan# 979
Delta R.T. 0.00 min
Lab File: BF097780.D
Acq: 17 Aug 2017 11:01

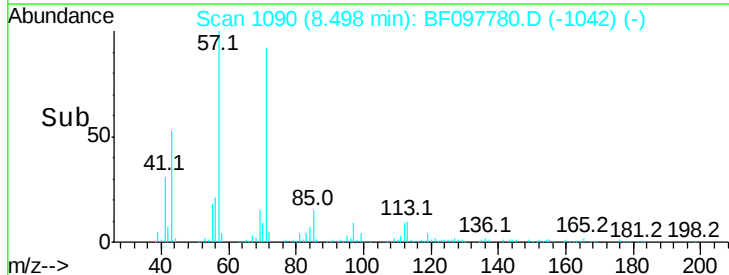
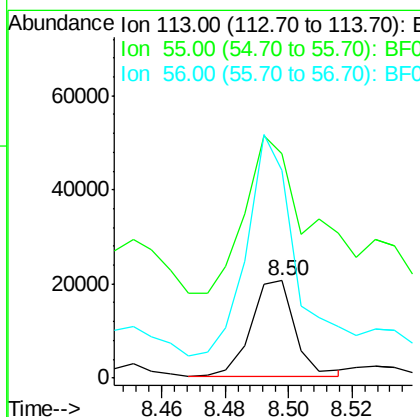
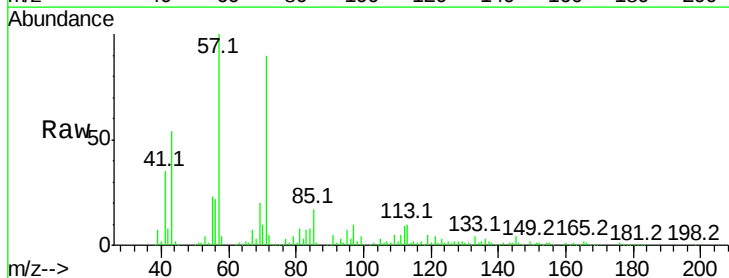
Instrument :
BNA_F
ClientSampleId :

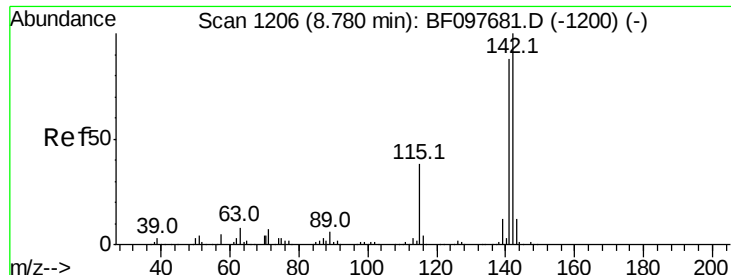
Tot Ion:122 Resp: 3450
Ion Ratio Lower Upper
122 100
105 141.4 103.3 143.3
77 165.9 73.7 113.7#



#35
Caprolactam
Concen: 7.445 ng
RT: 8.50 min Scan# 1090
Delta R.T. -0.02 min
Lab File: BF097780.D
Acq: 17 Aug 2017 11:01

Tgt Ion:113 Resp: 19572
Ion Ratio Lower Upper
113 100
55 230.7 150.2 190.2#
56 214.3 107.8 147.8#

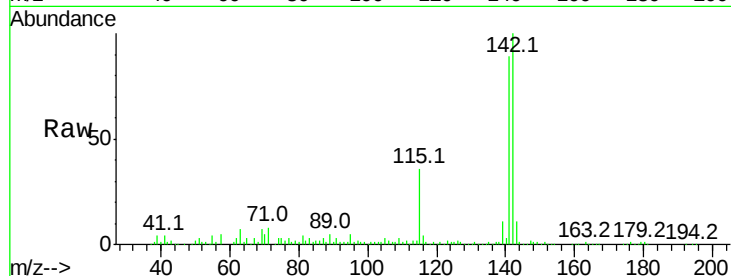




#37
 2-Methylnaphthalene
 Concen: 25.714 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: BF097780.D
 Acq: 17 Aug 2017 11:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.3	106.9
115	36.4	27.1	40.7

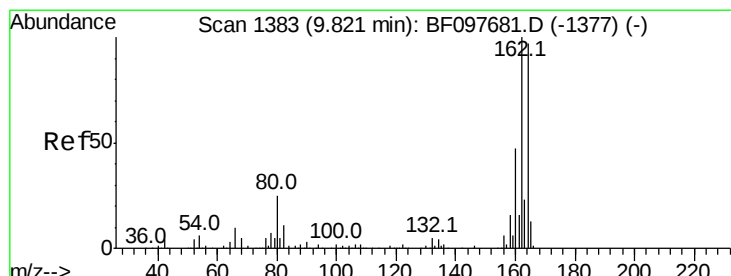
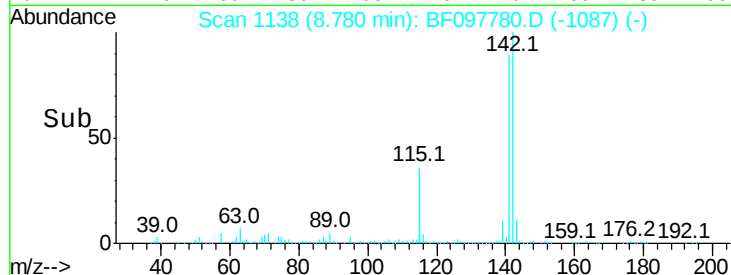
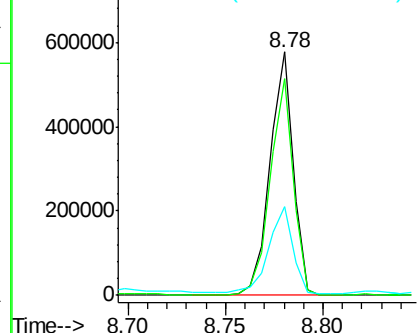


Abundance

Ion 142.00 (141.70 to 142.70): E

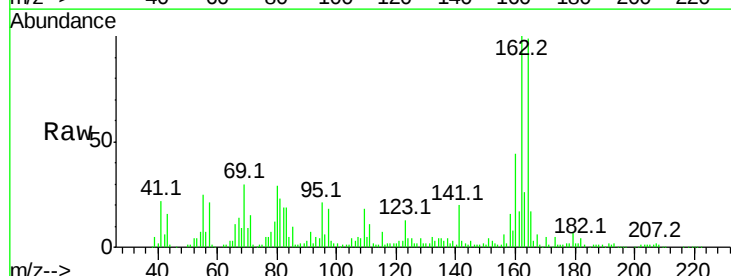
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: BF097780.D
 Acq: 17 Aug 2017 11:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.6	123.8
160	44.4	36.2	54.2

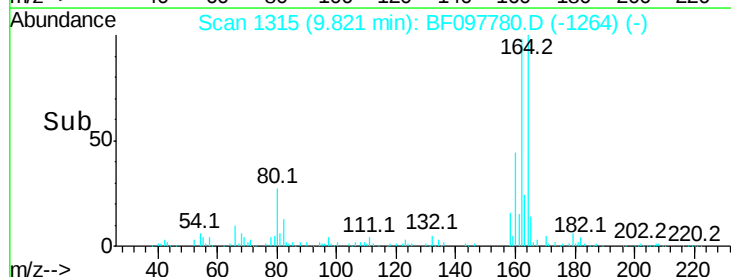
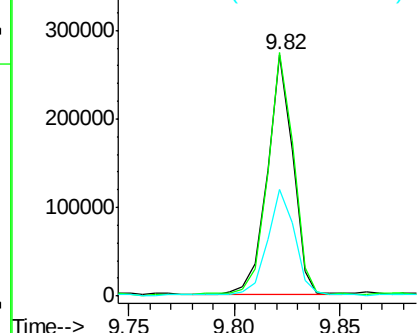


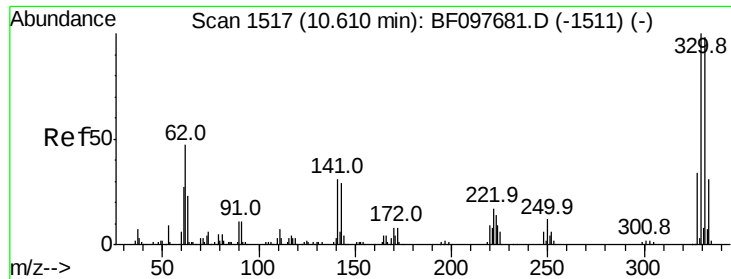
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

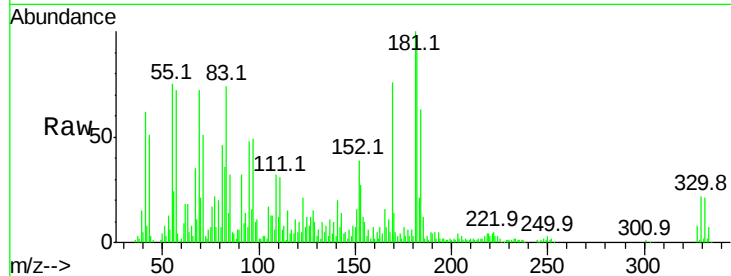




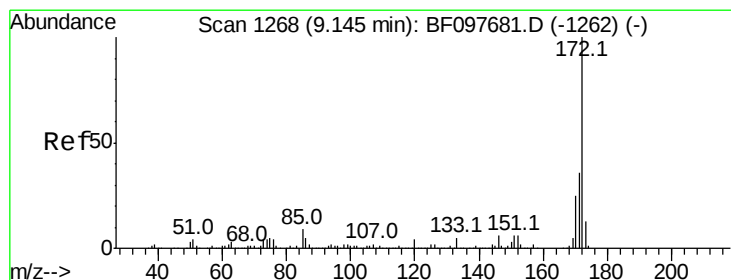
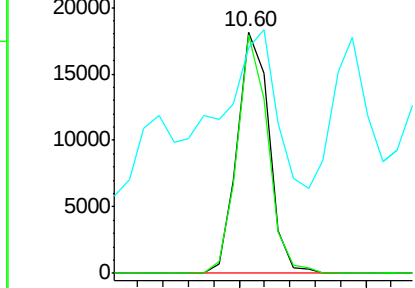
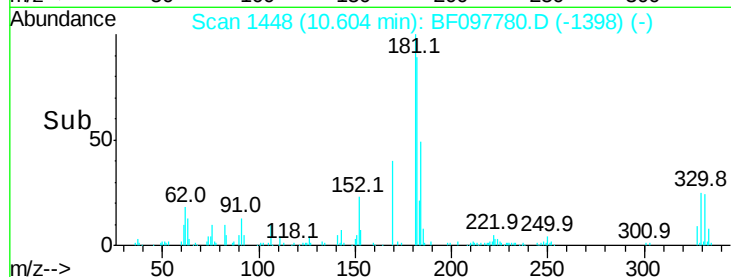
#41
 2,4,6-Tribromophenol
 Concen: 7.941 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097780.D
 Acq: 17 Aug 2017 11:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 15800
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 115.0
 141 100.6 31.4 47.2#

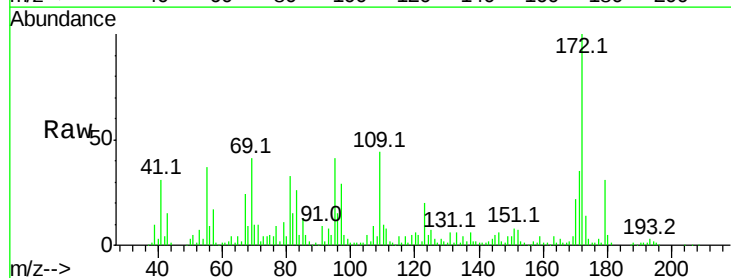


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

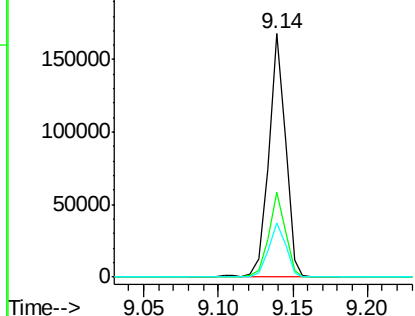
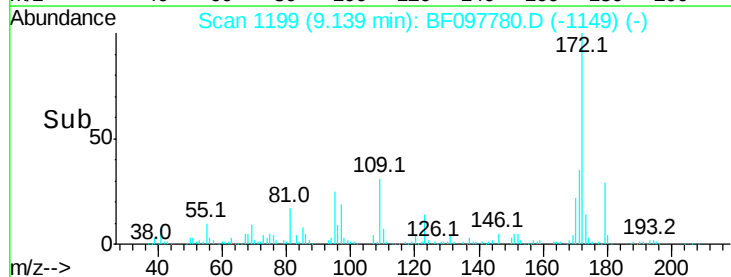


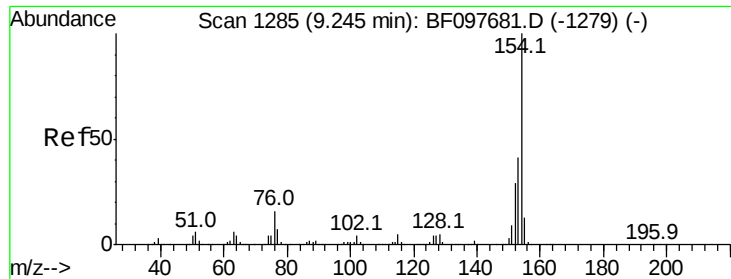
#44
 2-Fluorobiphenyl
 Concen: 8.351 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097780.D
 Acq: 17 Aug 2017 11:01

Tgt Ion:172 Resp: 130338
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.6 44.4
 170 22.4 19.8 29.8



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





#45

1,1'-Biphenyl

Concen: 4.918 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

Instrument :

BNA_F

ClientSampleId :

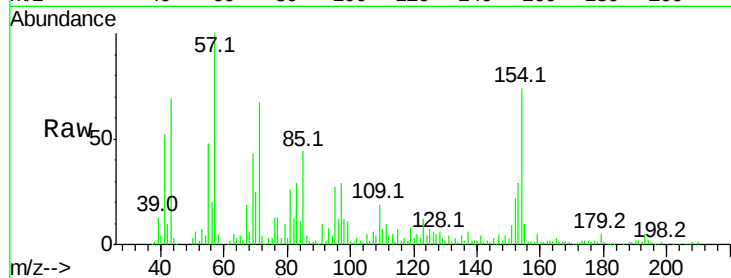
Tot Ion:154 Resp: 102833

Ion Ratio Lower Upper

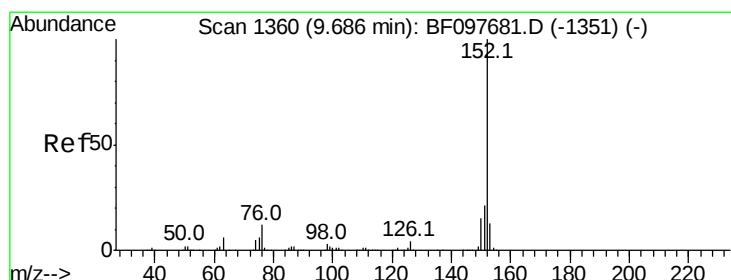
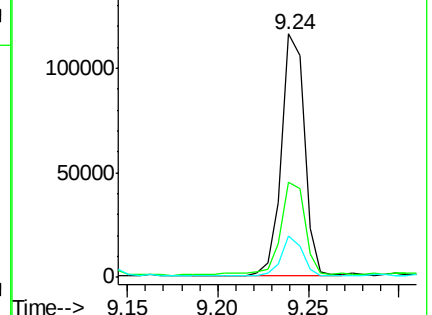
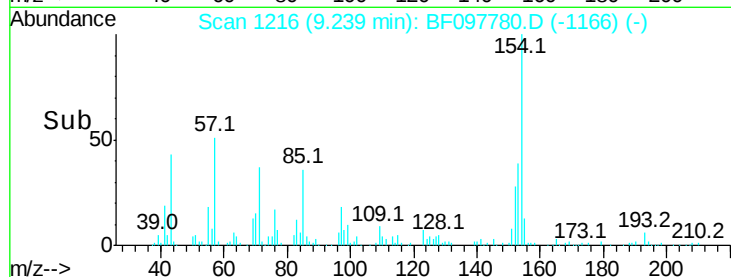
154 100

153 39.2 21.2 61.2

76 16.9 0.0 29.9



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



#48

Acenaphthylene

Concen: 3.474 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

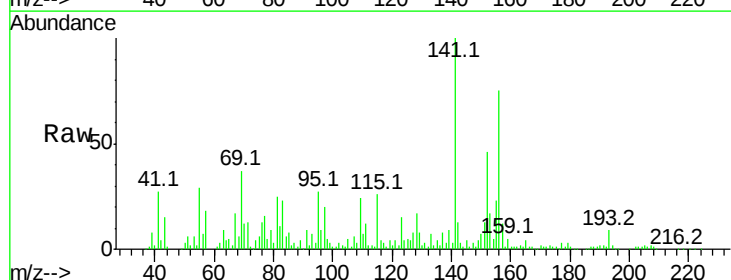
Tgt Ion:152 Resp: 84296

Ion Ratio Lower Upper

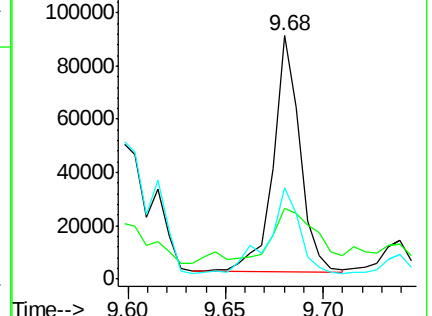
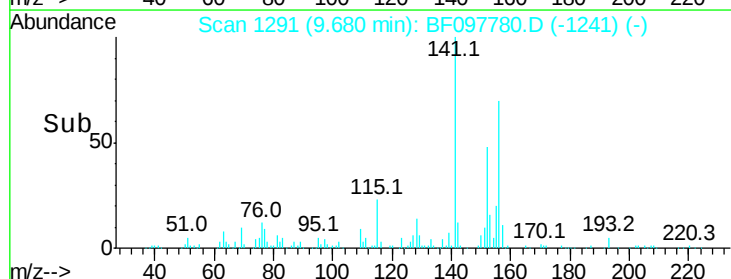
152 100

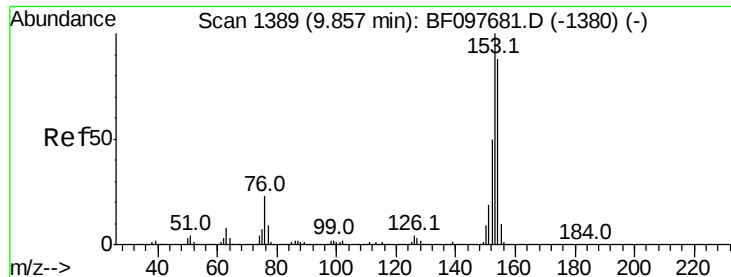
151 29.1 16.8 25.2#

153 37.4 10.8 16.2#



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





#51

Acenaphthene

Concen: 33.110 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

Instrument :

BNA_F

ClientSampleId :

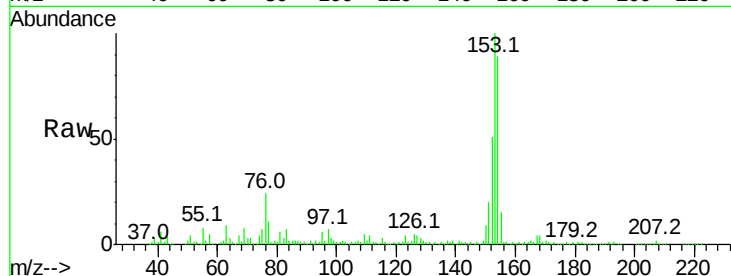
Tot Ion:154 Resp: 506644

Ion Ratio Lower Upper

154 100

153 112.6 90.5 135.7

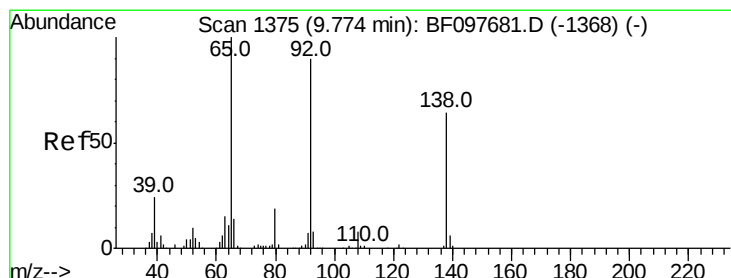
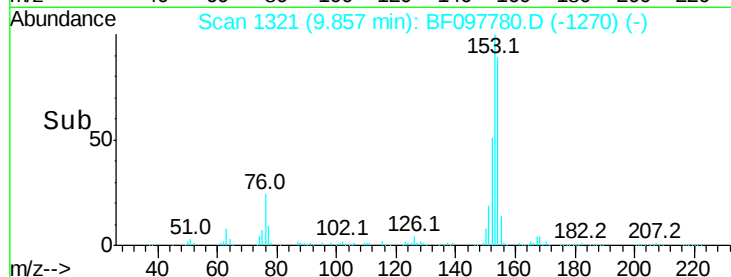
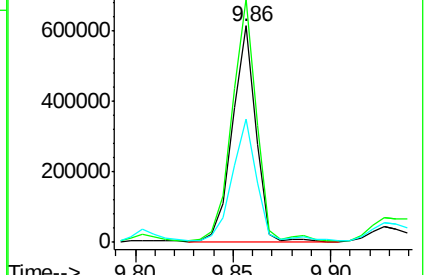
152 57.2 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 3.260 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

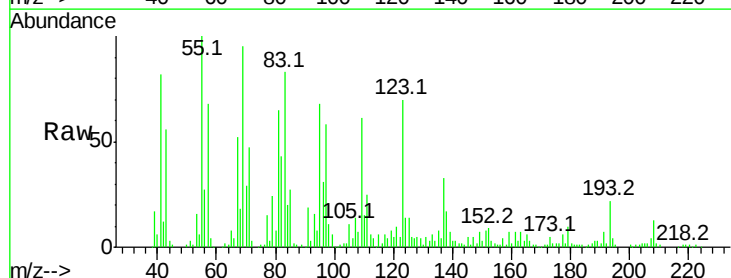
Tgt Ion:138 Resp: 14074

Ion Ratio Lower Upper

138 100

108 42.5 9.1 13.7#

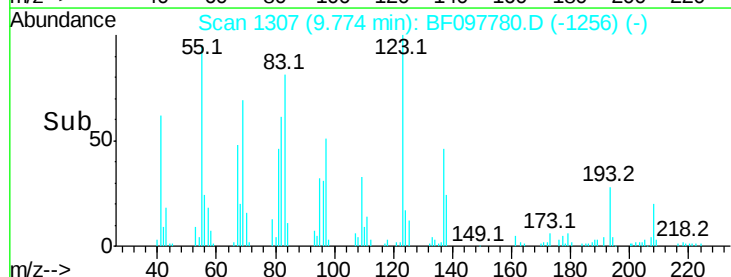
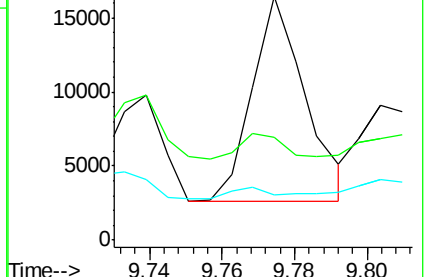
92 18.6 93.8 140.6#

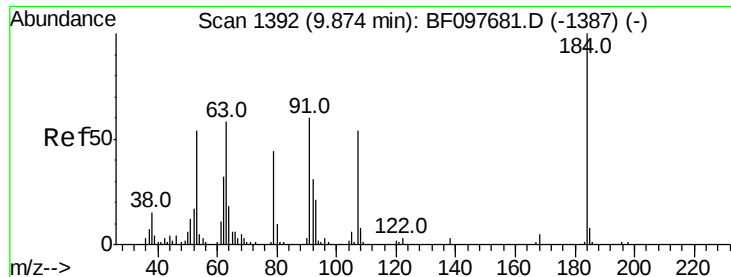


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

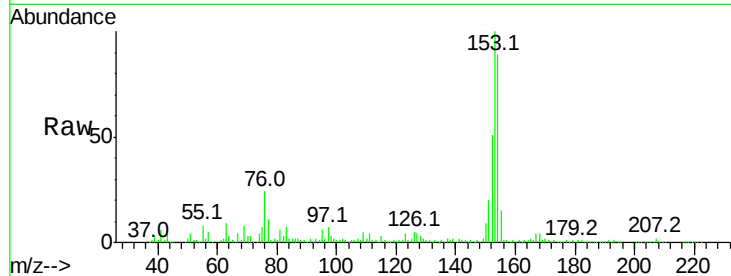




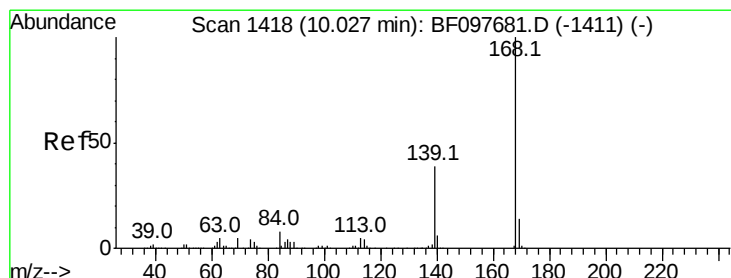
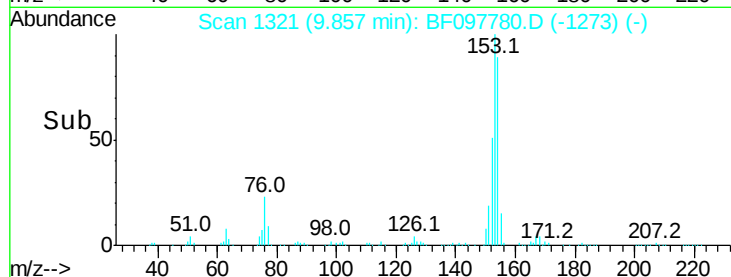
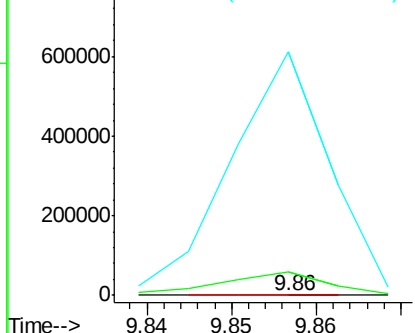
#53
 2,4-Dinitrophenol
 Concen: 10.395 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.02 min
 Lab File: BF097780.D
 Acq: 17 Aug 2017 11:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:184 Resp: 462
 Ion Ratio Lower Upper
 184 100
 63 8148.7 62.7 94.1#
 154 84859.9 81.1 121.7#

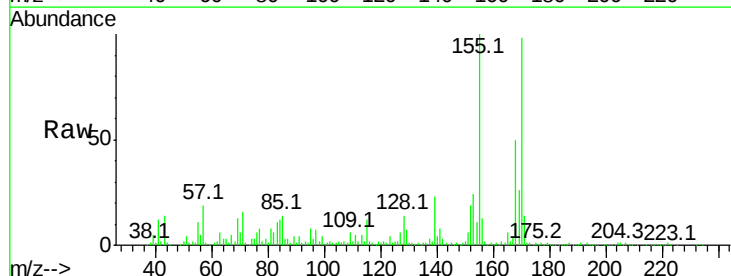


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

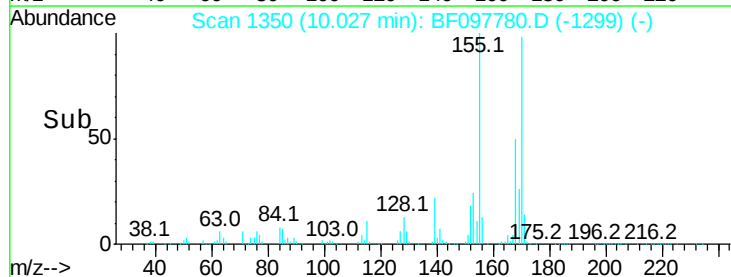
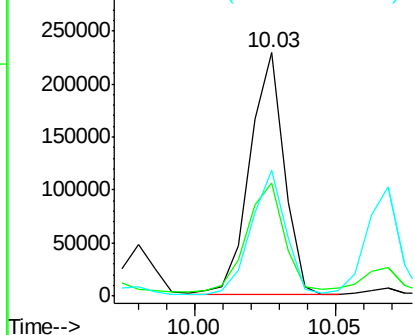


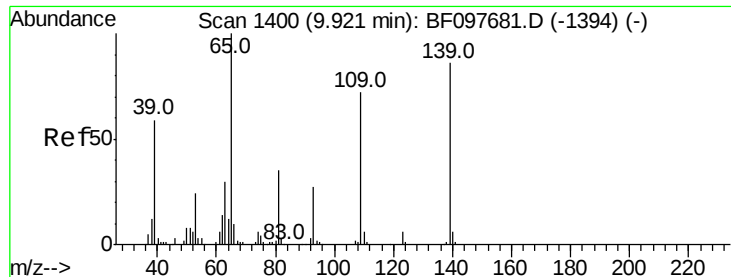
#54
 Dibenzofuran
 Concen: 9.362 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: BF097780.D
 Acq: 17 Aug 2017 11:01

Tgt Ion:168 Resp: 191988
 Ion Ratio Lower Upper
 168 100
 139 46.2 30.6 45.8#
 169 51.6 10.8 16.2#



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

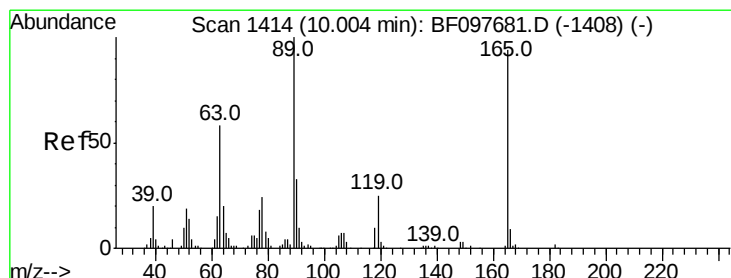
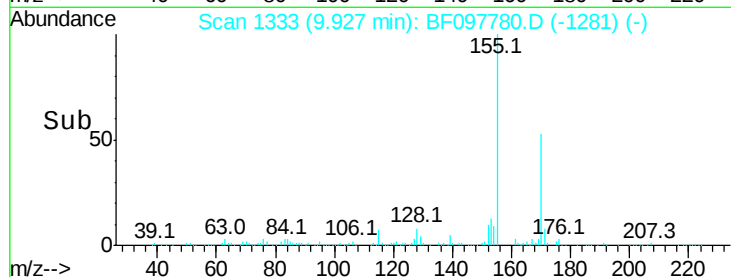
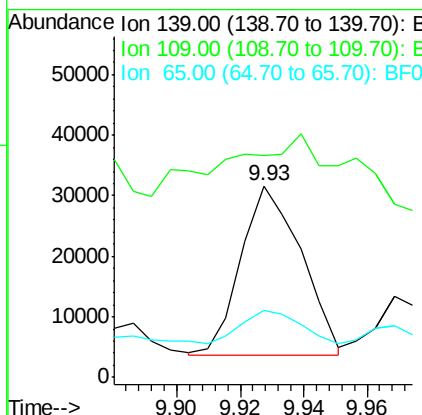
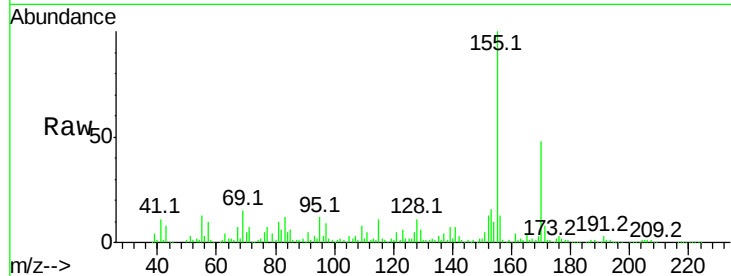




#55
4-Nitrophenol
Concen: 10.822 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF097780.D
Acq: 17 Aug 2017 11:01

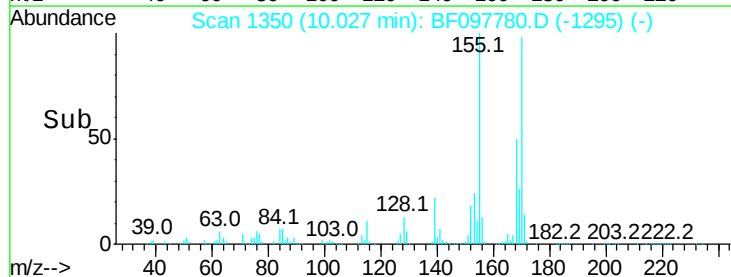
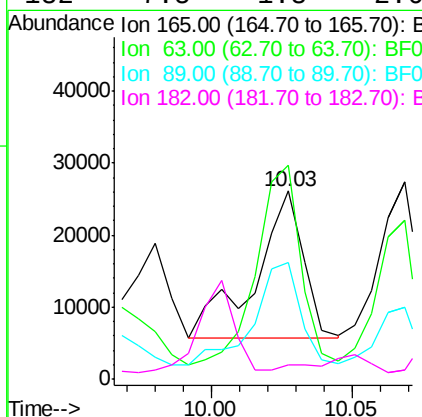
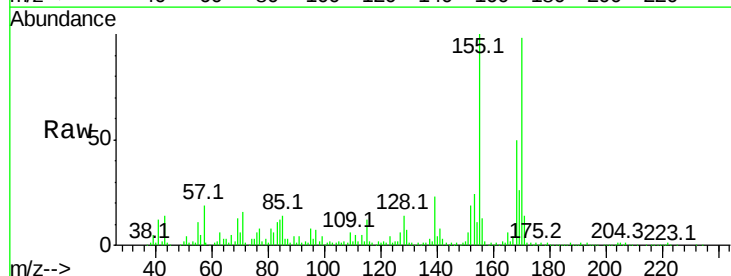
Instrument :
BNA_F
ClientSampleId :

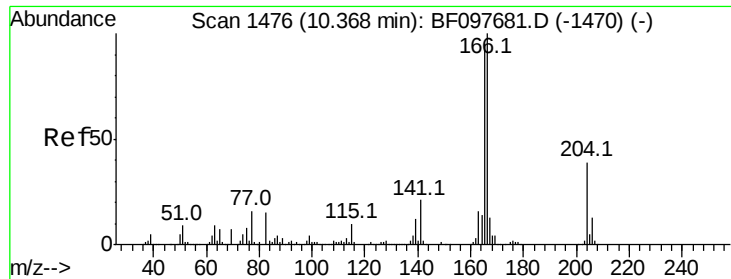
Tot Ion:139 Resp: 37266
Ion Ratio Lower Upper
139 100
109 116.0 34.1 74.1#
65 34.7 31.4 71.4



#56
2,4-Dinitrotoluene
Concen: 5.762 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.02 min
Lab File: BF097780.D
Acq: 17 Aug 2017 11:01

Tgt Ion:165 Resp: 24192
Ion Ratio Lower Upper
165 100
63 113.9 25.4 38.0#
89 62.0 46.4 69.6
182 7.5 1.8 2.6#

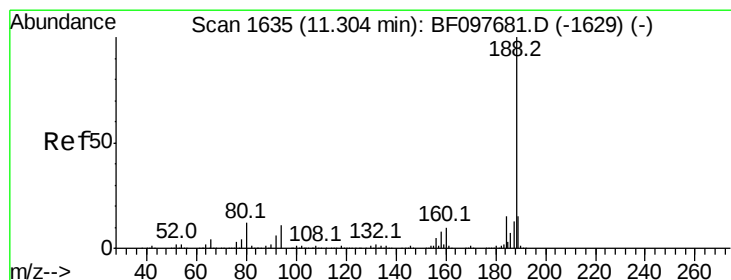
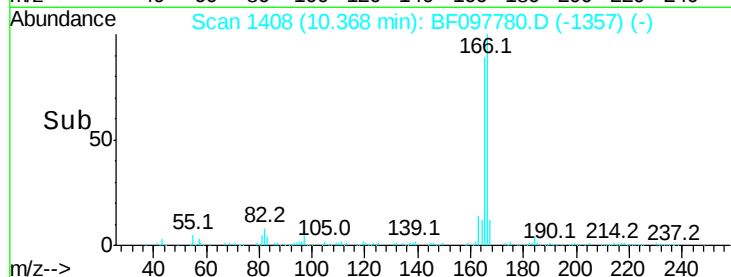
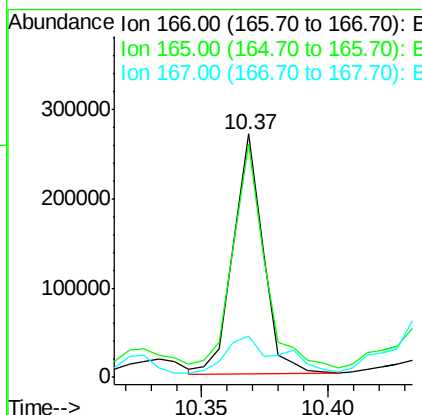
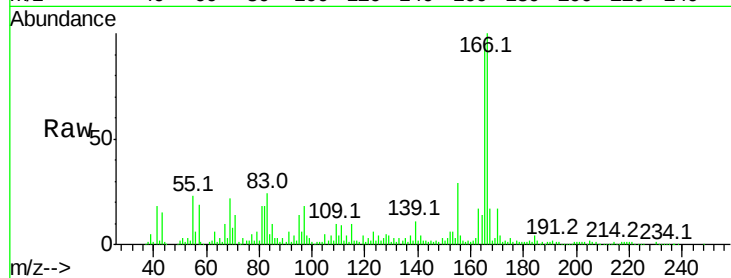




#57
Fluorene
 Concen: 13.810 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. -0.00 min
 Lab File: BF097780.D
 Acq: 17 Aug 2017 11:01

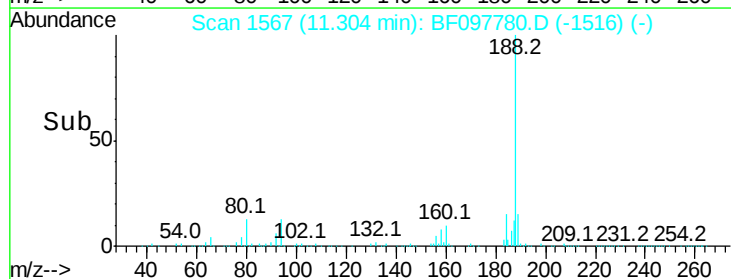
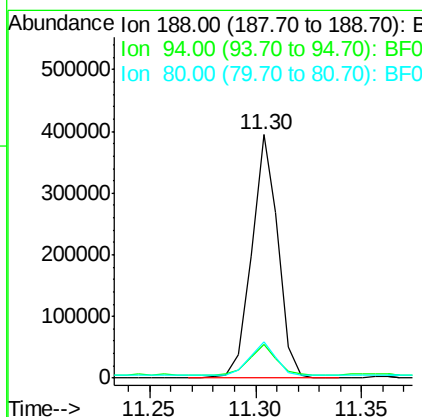
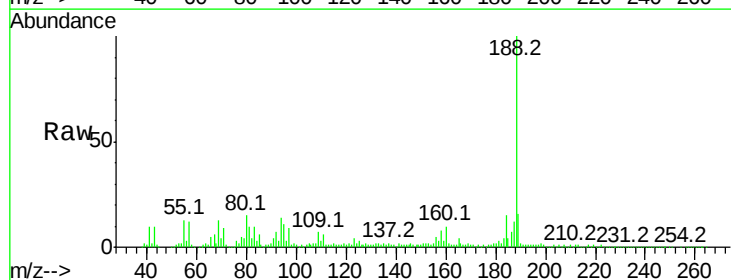
Instrument :
 BNA_F
 ClientSampleId :

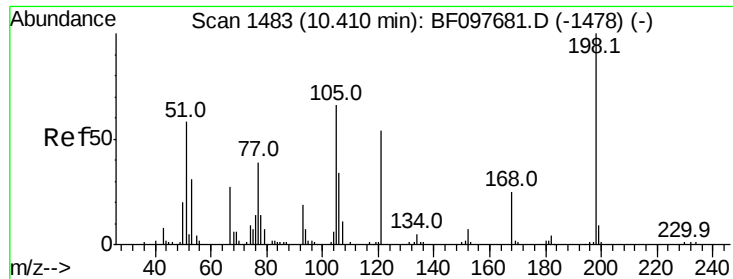
Tot Ion:166 Resp: 218969
 Ion Ratio Lower Upper
 166 100
 165 96.1 78.8 118.2
 167 17.0 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: BF097780.D
 Acq: 17 Aug 2017 11:01

Tgt Ion:188 Resp: 336968
 Ion Ratio Lower Upper
 188 100
 94 13.8 9.4 14.2
 80 14.7 10.2 15.2

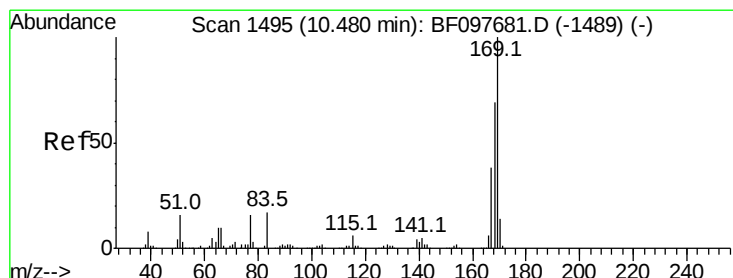
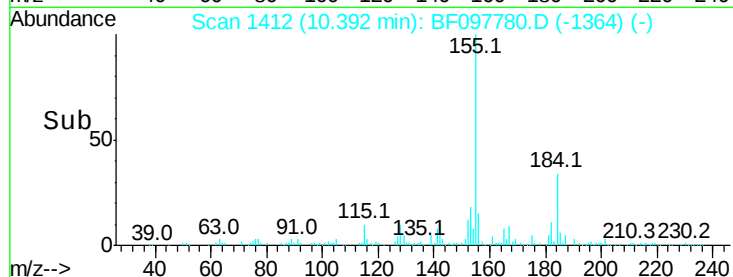
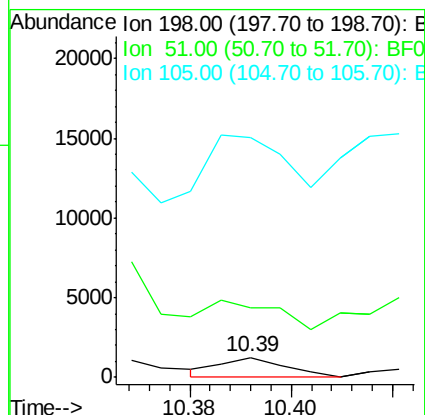
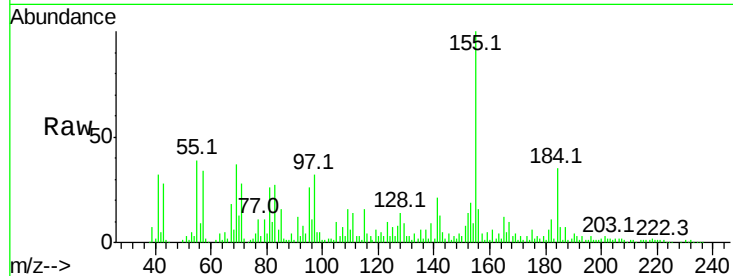




#64
4,6-Dinitro-2-methylphenol
Concen: 8.894 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.02 min
Lab File: BF097780.D
Acq: 17 Aug 2017 11:01

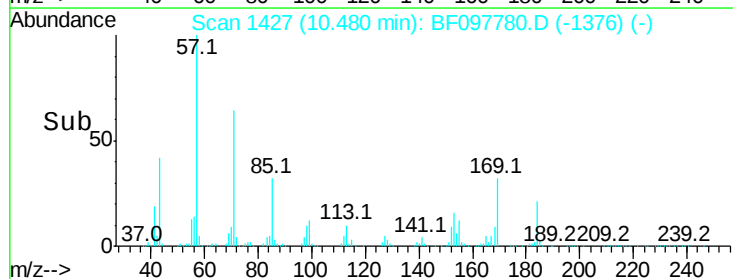
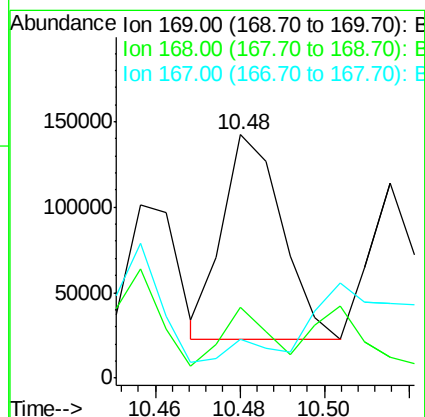
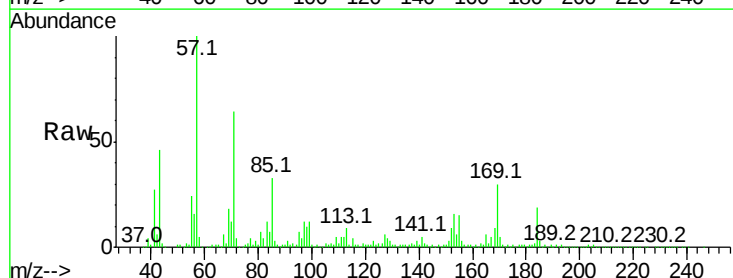
Instrument :
BNA_F
ClientSampleId :

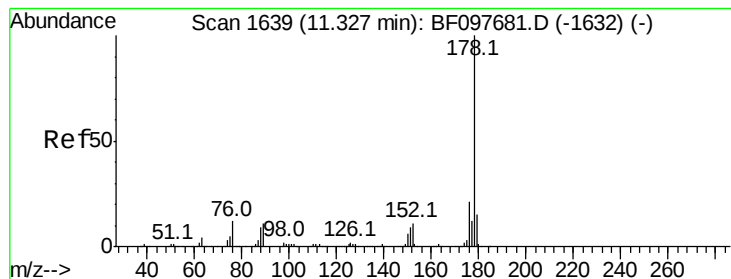
Tot Ion:198 Resp: 1102
Ion Ratio Lower Upper
198 100
51 353.2 53.2 93.2#
105 1223.2 45.8 85.8#



#65
n-Nitrosodiphenylamine
Concen: 10.233 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BF097780.D
Acq: 17 Aug 2017 11:01

Tgt Ion:169 Resp: 117416
Ion Ratio Lower Upper
169 100
168 28.9 53.2 79.8#
167 16.2 29.5 44.3#





#70

Phenanthrene

Concen: 32.844 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

Instrument :

BNA_F

ClientSampleId :

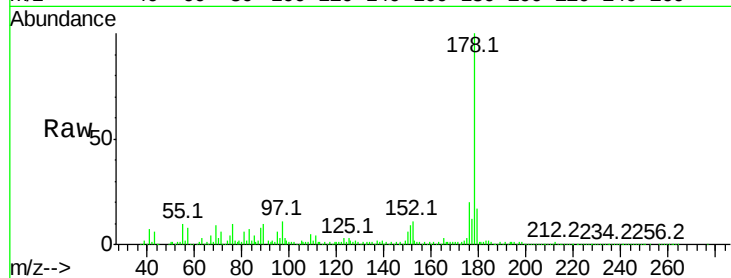
Tot Ion:178 Resp: 589755

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

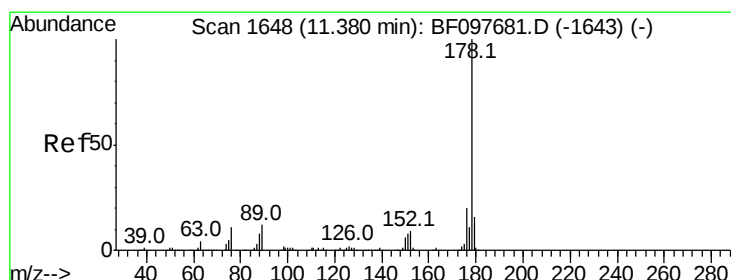
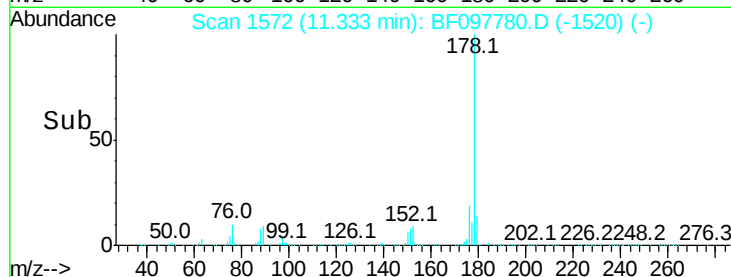
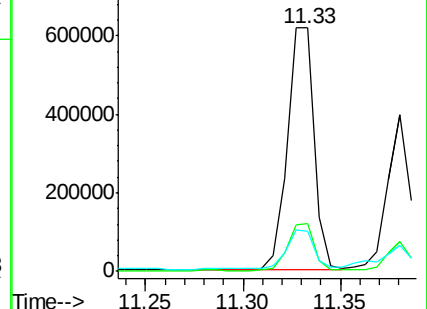
179 16.7 12.6 19.0



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



#71

Anthracene

Concen: 16.679 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

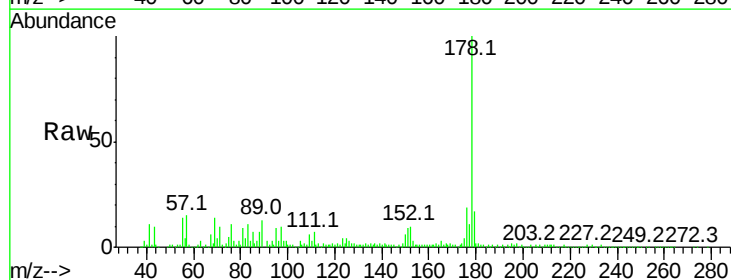
Tgt Ion:178 Resp: 303759

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

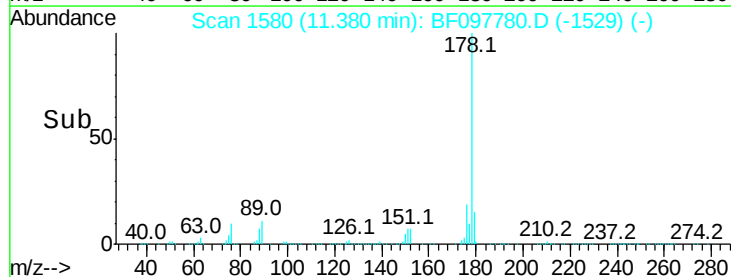
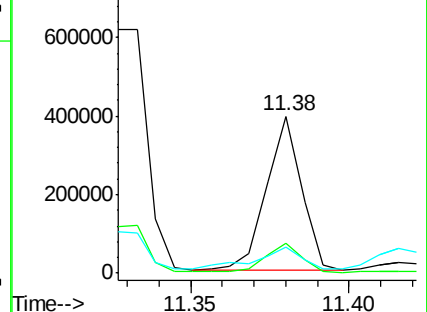
179 16.7 12.7 19.1

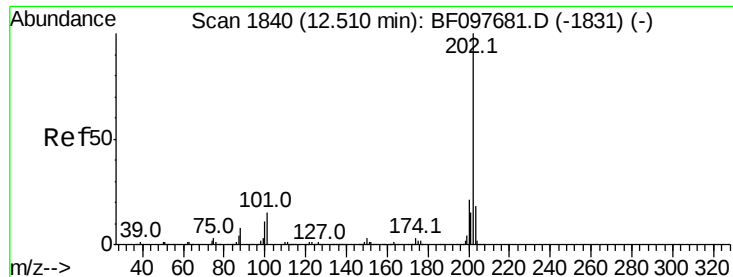


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 45.113 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.01 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

Instrument :

BNA_F

ClientSampleId :

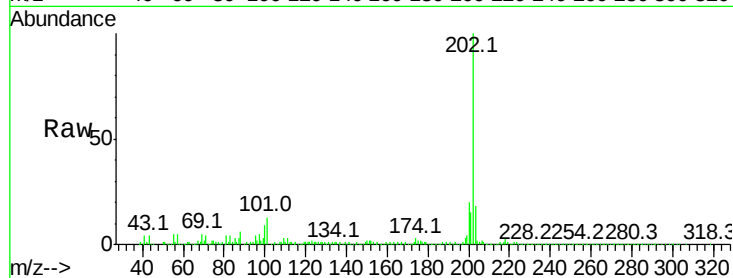
Tot Ion:202 Resp: 845496

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.2

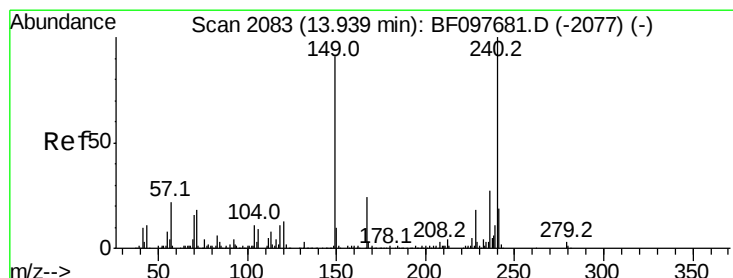
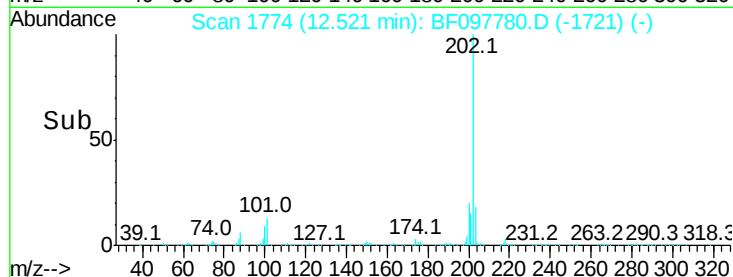
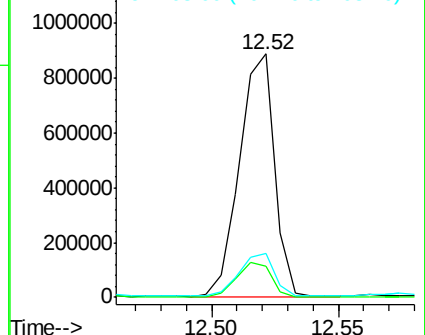
203 18.1 0.0 38.1



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: 20.000 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

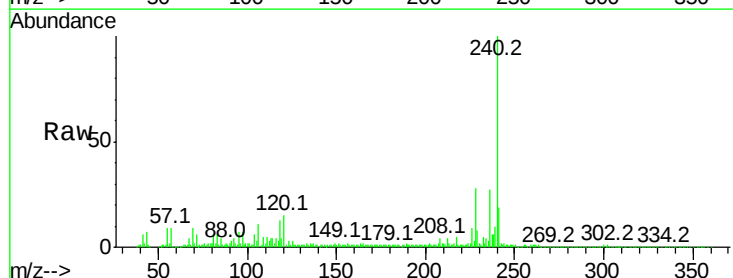
Tgt Ion:240 Resp: 304172

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

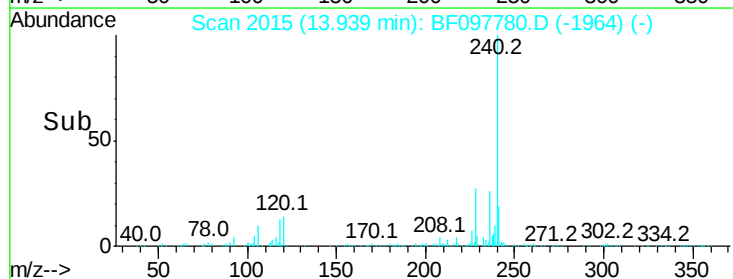
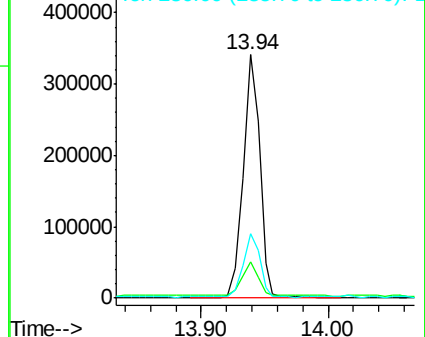
236 26.6 20.5 30.7

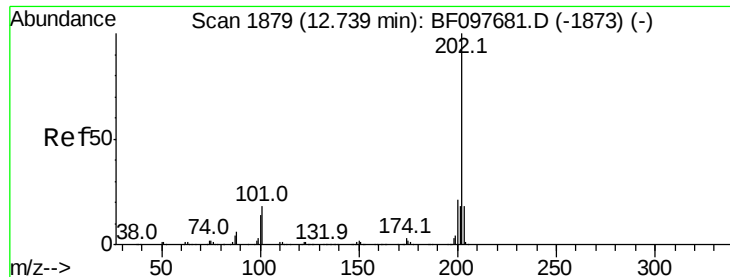


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 32.207 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

Instrument :

BNA_F

ClientSampleId :

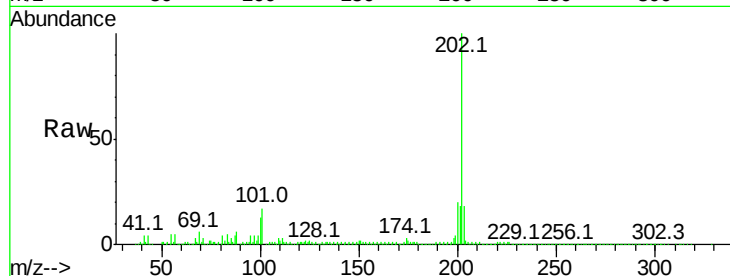
Tot Ion:202 Resp: 801231

Ion Ratio Lower Upper

202 100

200 19.9 17.6 26.4

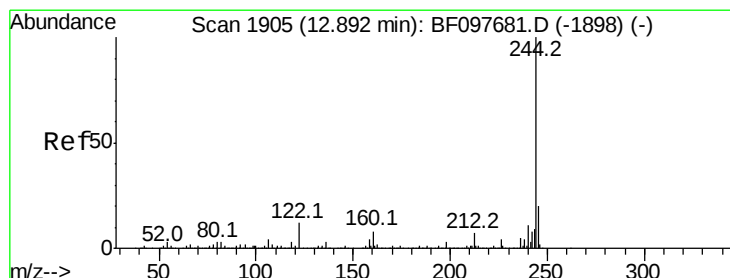
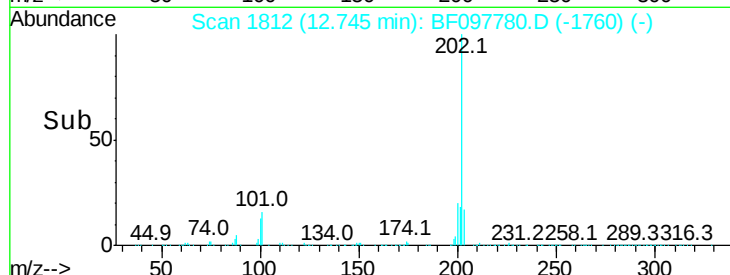
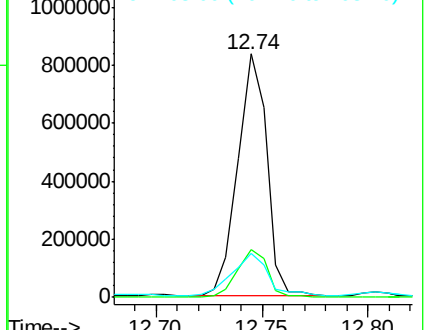
203 18.2 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 4.835 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

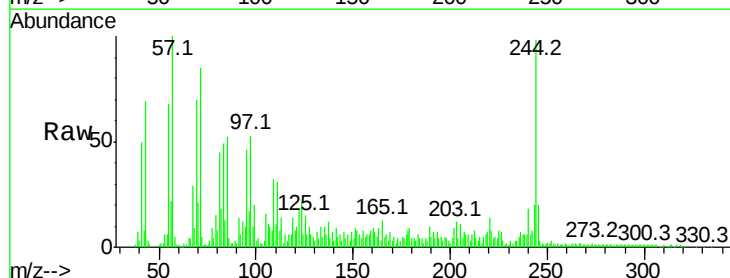
Tgt Ion:244 Resp: 70523

Ion Ratio Lower Upper

244 100

212 8.6 6.0 9.0

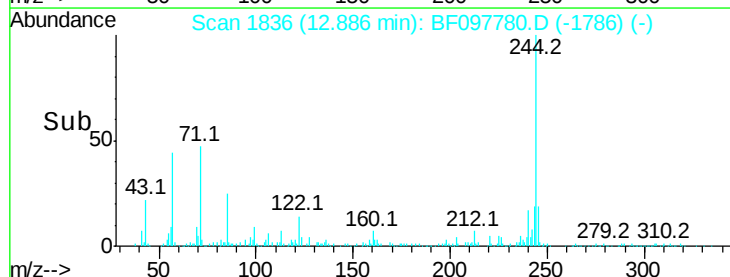
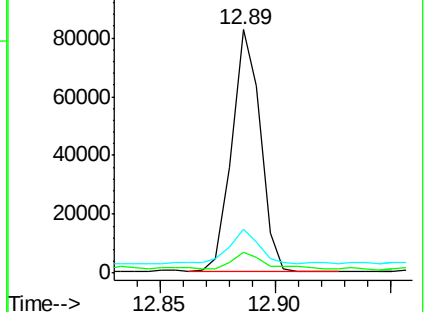
122 18.1 10.3 15.5#

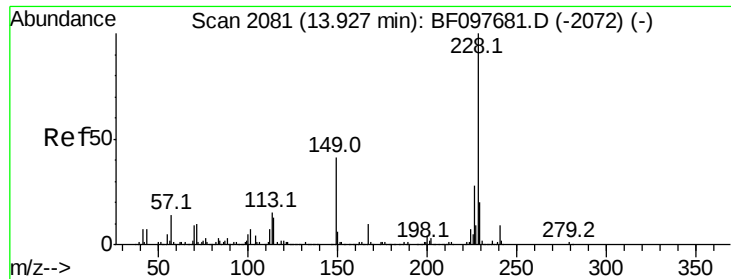


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 16.263 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

Instrument :

BNA_F

ClientSampleId :

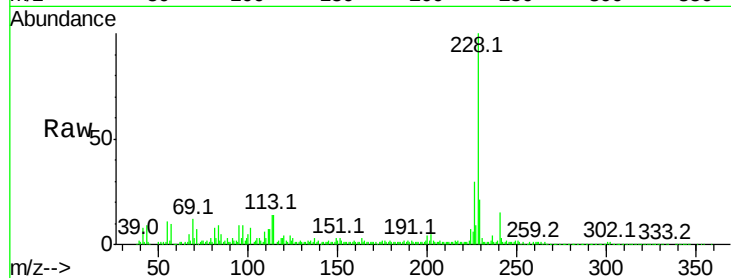
Tot Ion:228 Resp: 296473

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

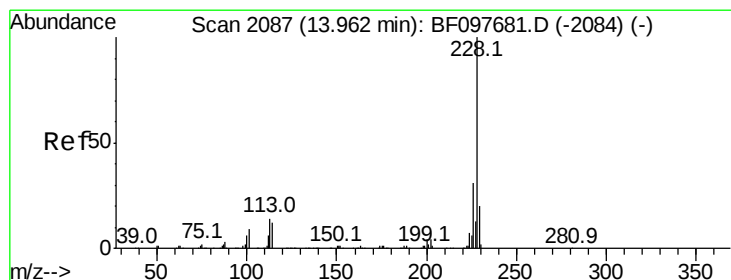
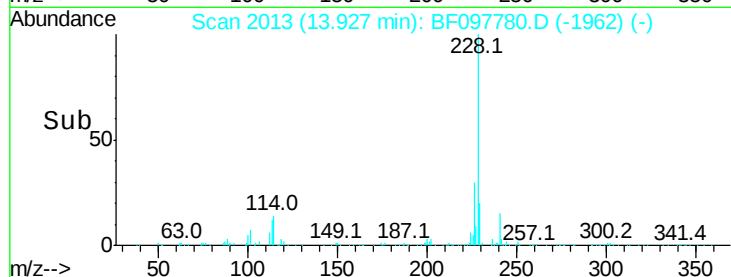
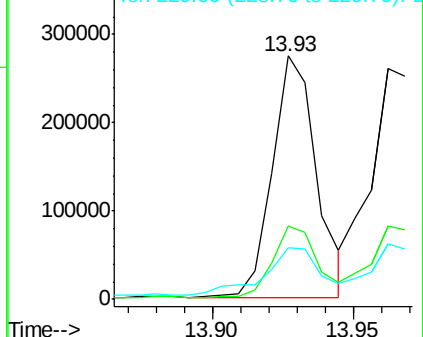
229 21.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 16.348 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.04 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

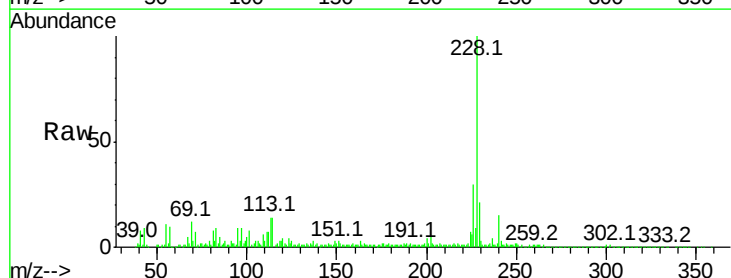
Tgt Ion:228 Resp: 296473

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

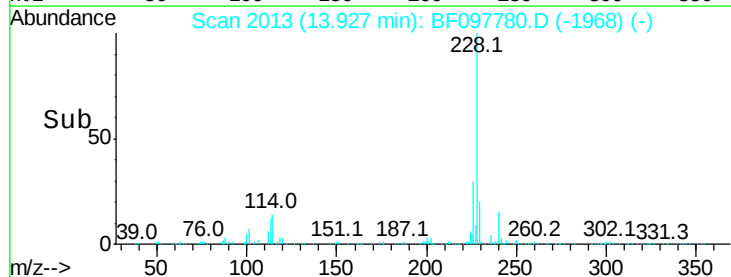
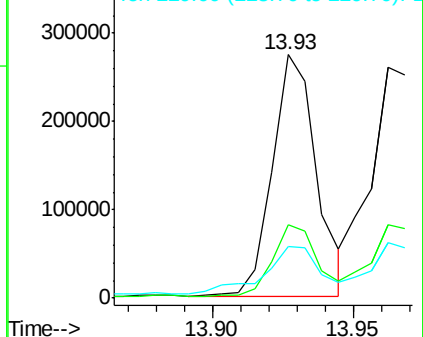
229 21.5 15.8 23.6

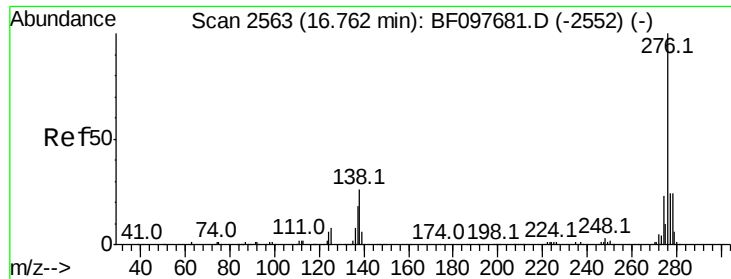


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

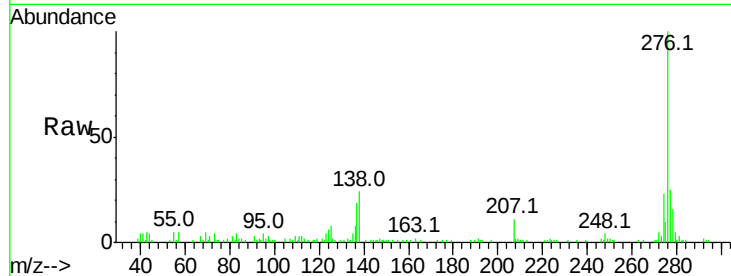




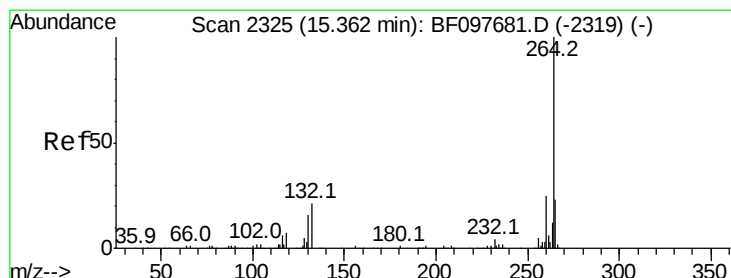
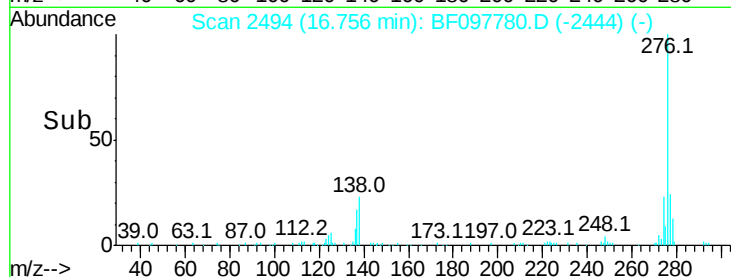
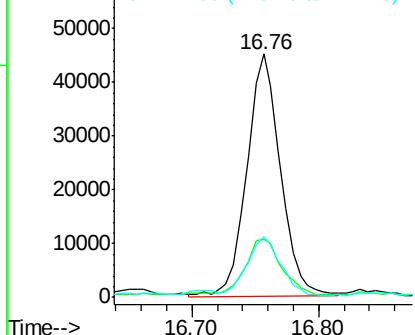
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.257 ng
 RT: 16.76 min Scan# 2494
 Delta R.T. -0.01 min
 Lab File: BF097780.D
 Acq: 17 Aug 2017 11:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 83469
 Ion Ratio Lower Upper
 276 100
 138 24.6 27.8 41.6#
 277 24.9 20.2 30.4

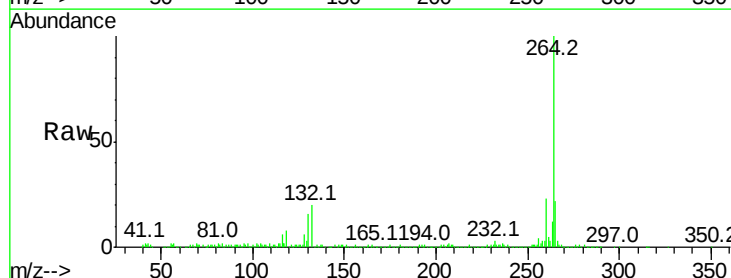


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

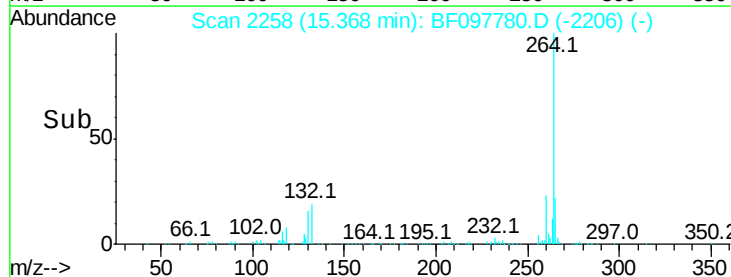
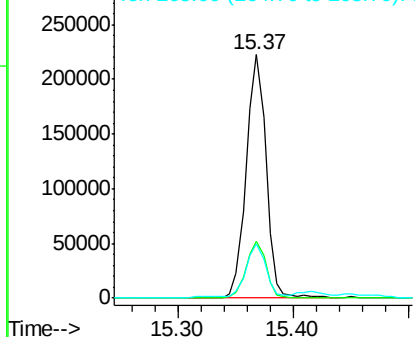


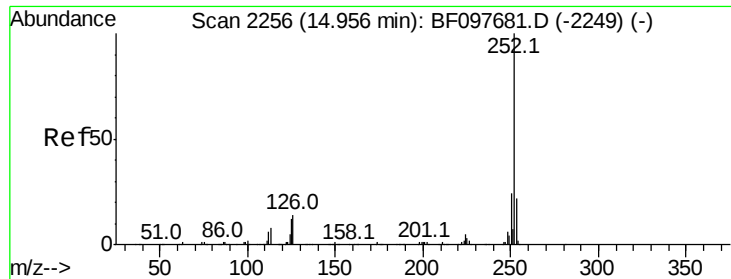
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.37 min Scan# 2258
 Delta R.T. 0.01 min
 Lab File: BF097780.D
 Acq: 17 Aug 2017 11:01

Tgt Ion:264 Resp: 267273
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.5 29.3
 265 22.2 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 24.196 ng

RT: 14.96 min Scan# 2188

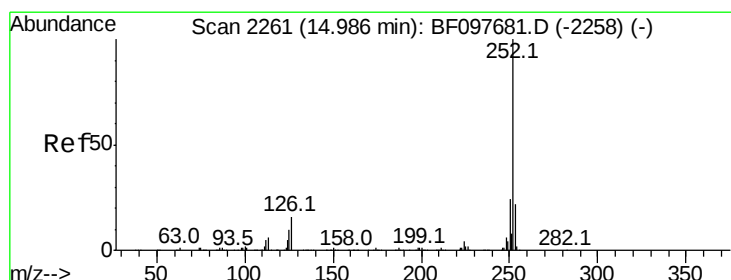
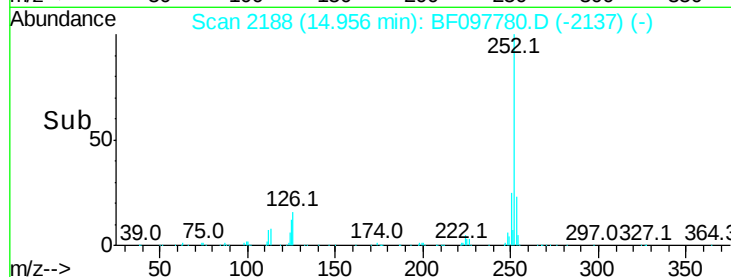
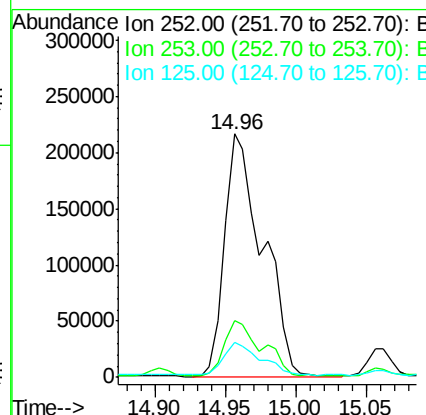
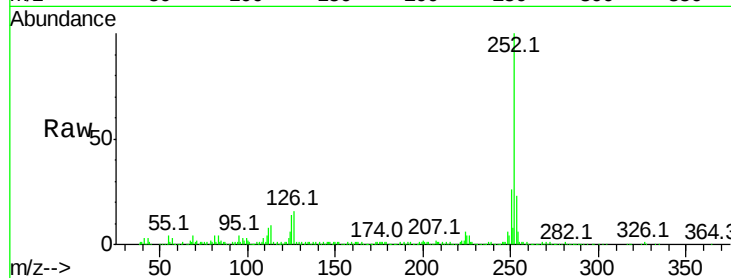
Delta R.T. -0.00 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	14.2	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 25.754 ng

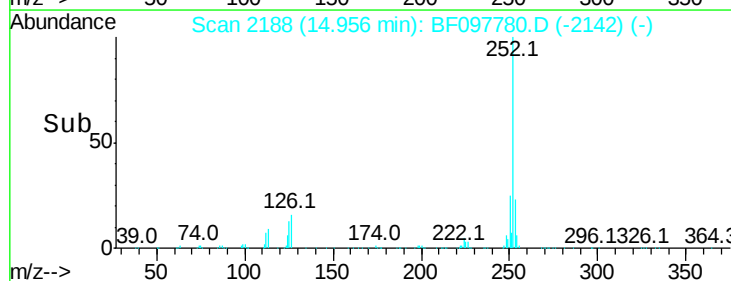
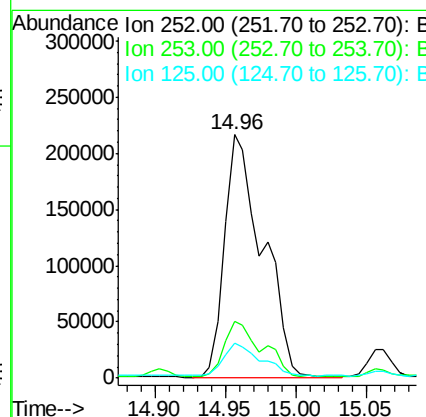
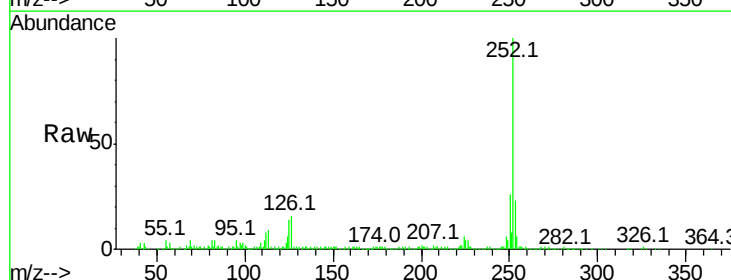
RT: 14.96 min Scan# 2188

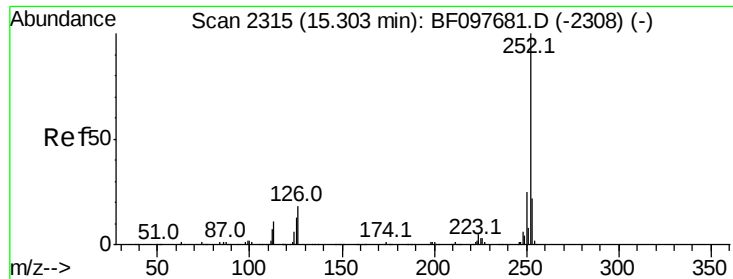
Delta R.T. -0.03 min

Lab File: BF097780.D

Acq: 17 Aug 2017 11:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	14.2	13.1	19.7

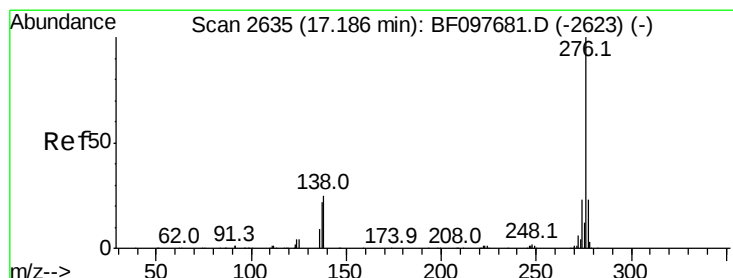
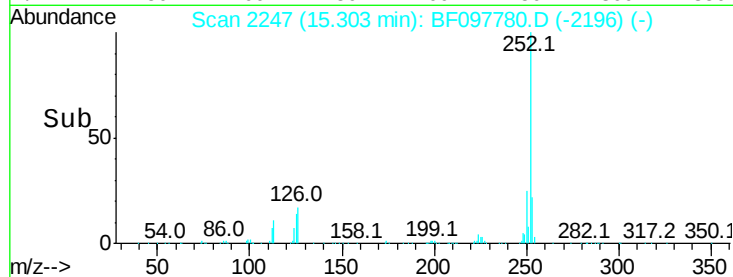
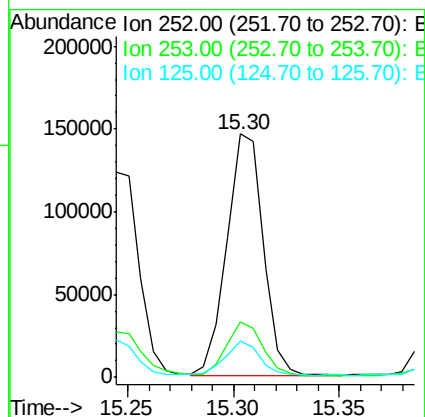
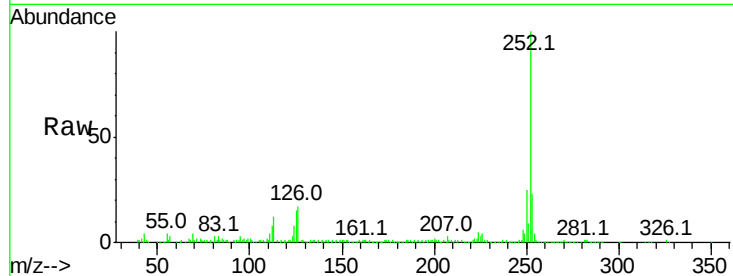




#89
Benzo(a)pyrene
Concen: 11.708 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.00 min
Lab File: BF097780.D
Acq: 17 Aug 2017 11:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 174611
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 15.1 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 5.828 ng
RT: 17.17 min Scan# 2565
Delta R.T. -0.01 min
Lab File: BF097780.D
Acq: 17 Aug 2017 11:01

Tgt Ion:276 Resp: 73839
Ion Ratio Lower Upper
276 100
277 24.2 18.6 28.0
138 26.7 25.4 38.0

