

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090917\
 Data File : BF098395.D
 Acq On : 9 Sep 2017 19:35
 Operator : SJ/JU
 Sample : I5151-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 04:14:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	98908	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	377052	20.00	ng	-0.03
38) Acenaphthene-d10	9.70	164	160730	20.00	ng	-0.04
63) Phenanthrene-d10	11.19	188	267201	20.00	ng	-0.04
75) Chrysene-d12	13.82	240	223688	20.00	ng	-0.04
86) Perylene-d12	15.23	264	208767	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	159730	24.56	ng	-0.02
7) Phenol-d6	6.32	99	217708	24.64	ng	-0.03
23) Nitrobenzene-d5	7.24	82	123318	17.77	ng	-0.04
41) 2,4,6-Tribromophenol	10.50	330	28950	20.76	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	215179	19.67	ng	-0.04
78) Terphenyl-d14	12.77	244	141186	13.16	ng	-0.04

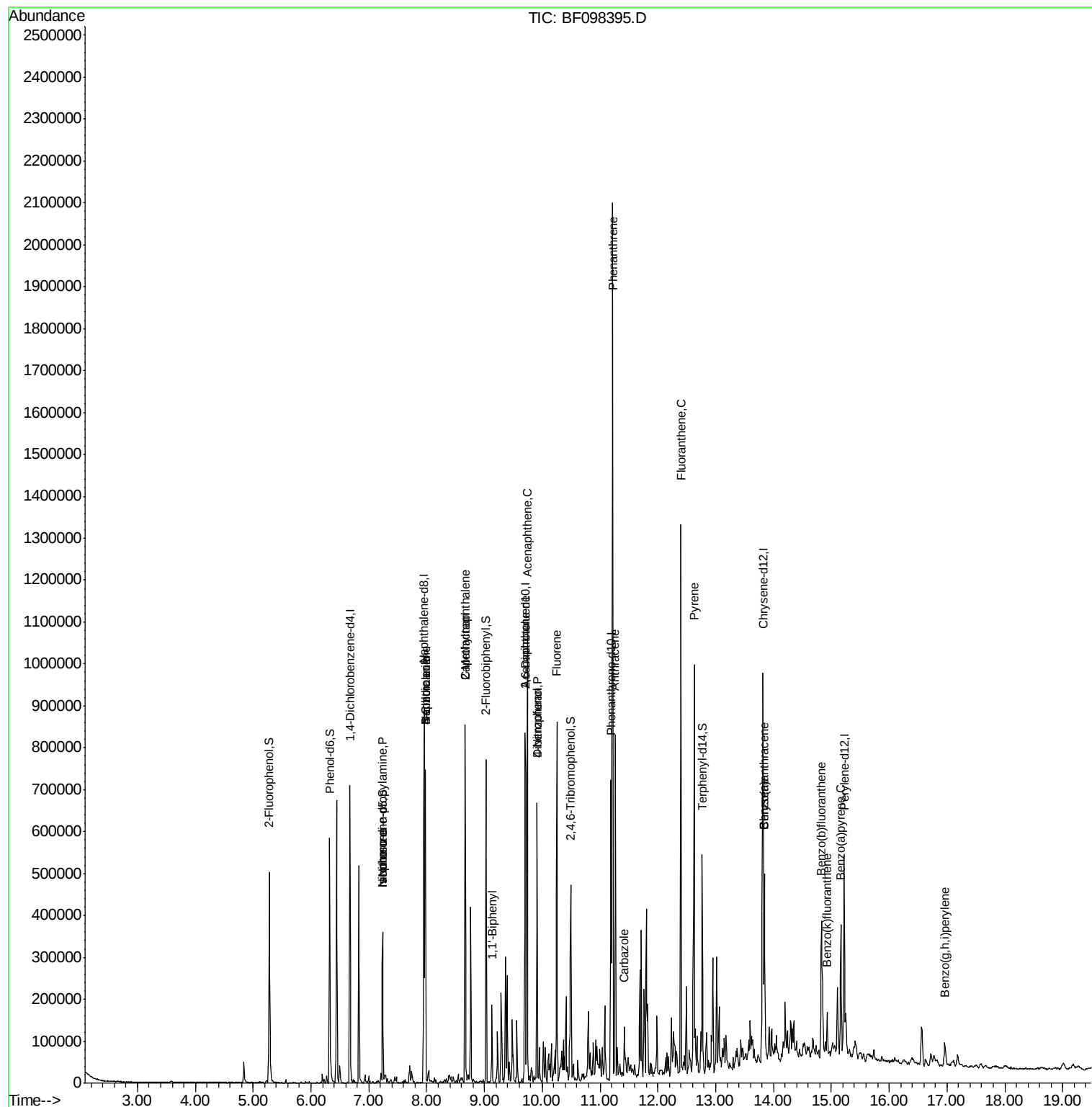
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.24	70	14756	2.440	ng	# 71
25) Isophorone	7.24	82	123317	8.545	ng	# 67
31) Naphthalene	7.98	128	322122	16.456	ng	99
32) Benzoic acid	7.97	122	551	6.513	ng	# 1
33) 4-Chloroaniline	7.98	127	43532	5.273	ng	# 36
35) Caprolactam	8.67	113	4524	2.663	ng	# 1
37) 2-Methylnaphthalene	8.67	142	209805	17.482	ng	99
45) 1,1'-Biphenyl	9.13	154	56221	3.836	ng	96
50) 2,6-Dinitrotoluene	9.70	165	26046	11.106	ng	# 35
51) Acenaphthene	9.74	154	206859	19.286	ng	99
54) Dibenzofuran	9.91	168	206827	14.388	ng	99
55) 4-Nitrophenol	9.91	139	75320	31.205	ng	# 27
57) Fluorene	10.25	166	217777	19.595	ng	96
70) Phenanthrene	11.22	178	736107	51.699	ng	100
71) Anthracene	11.26	178	268037	18.560	ng	99
72) Carbazole	11.42	167	39044	2.848	ng	97
74) Fluoranthene	12.40	202	493524	33.208	ng	97
77) Pyrene	12.63	202	395486	21.617	ng	97
80) Benzo(a)anthracene	13.84	228	147143	10.975	ng	94
82) Chrysene	13.84	228	147143	11.033	ng	96
87) Benzo(b)fluoranthene	14.83	252	227613	17.297	ng	99
88) Benzo(k)fluoranthene	14.93	252	43193	3.494	ng	95
89) Benzo(a)pyrene	15.16	252	131778	11.312	ng	98
91) Benzo(g,h,i)perylene	16.97	276	41615	4.205	ng	# 92

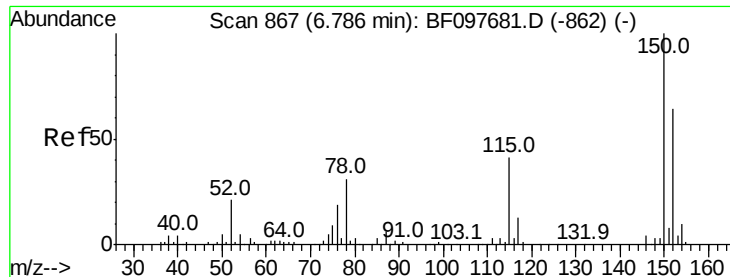
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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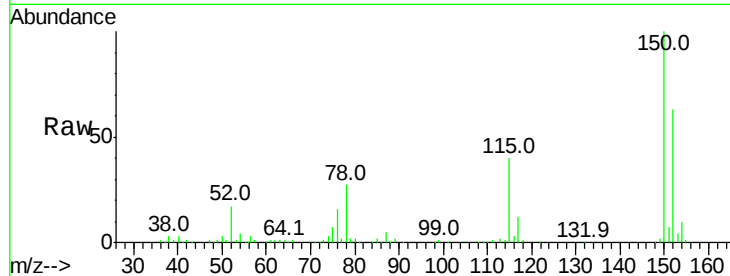


#1

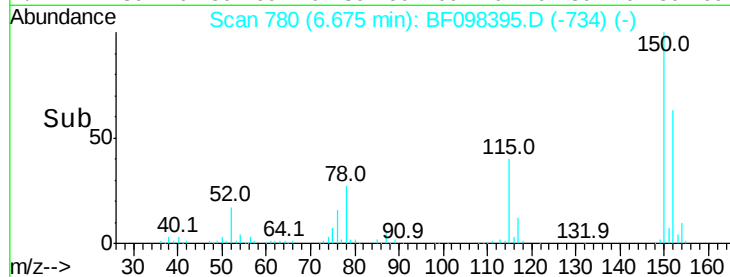
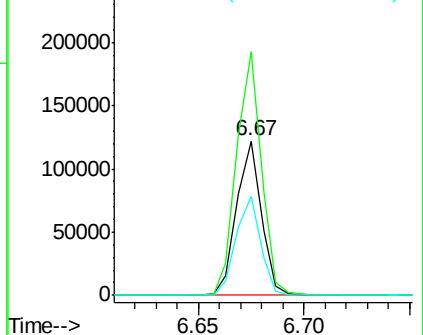
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.67 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 98908
 Ion Ratio Lower Upper
 152 100
 150 157.8 126.2 189.2
 115 63.9 52.2 78.2



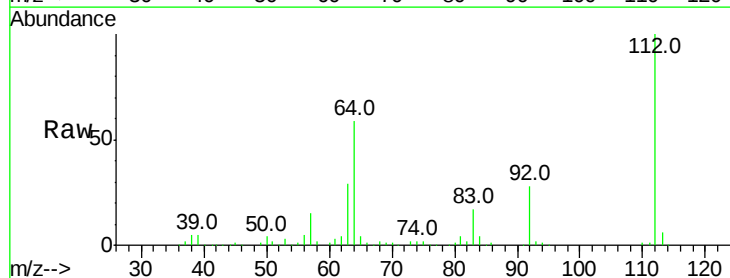
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



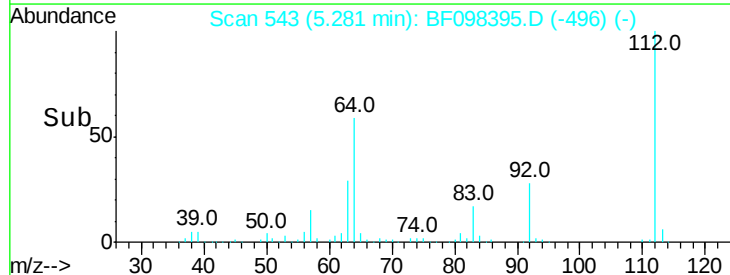
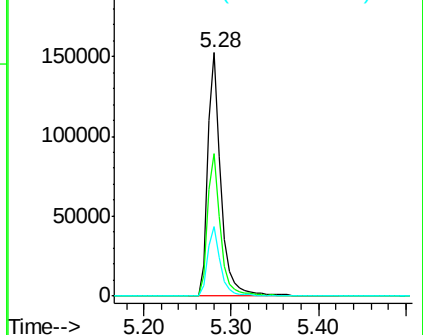
#5

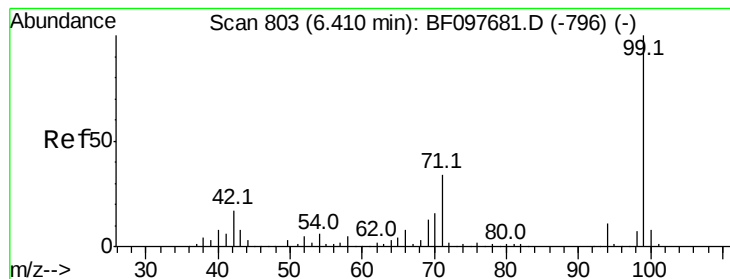
2-Fluorophenol
 Concen: 24.564 ng
 RT: 5.28 min Scan# 543
 Delta R.T. -0.02 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Tgt Ion:112 Resp: 159730
 Ion Ratio Lower Upper
 112 100
 64 58.5 46.0 69.0
 63 28.6 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: 24.641 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Instrument :

BNA_F

ClientSampleId :

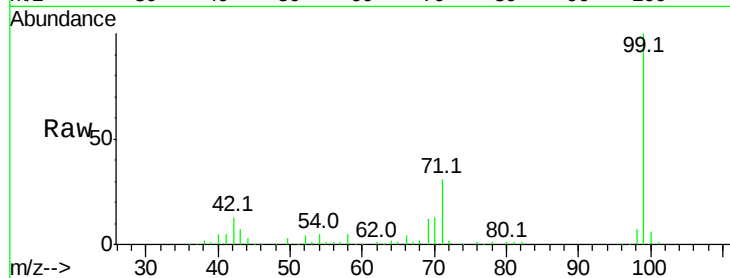
Tot Ion: 99 Resp: 217708

Ion Ratio Lower Upper

99 100

42 13.4 13.5 20.3#

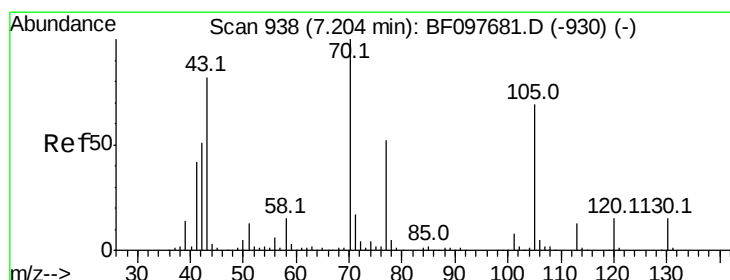
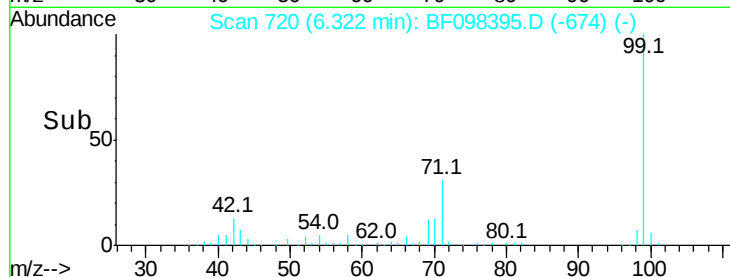
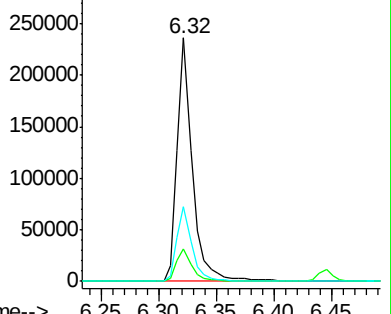
71 30.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.440 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.11 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Tgt Ion: 70 Resp: 14756

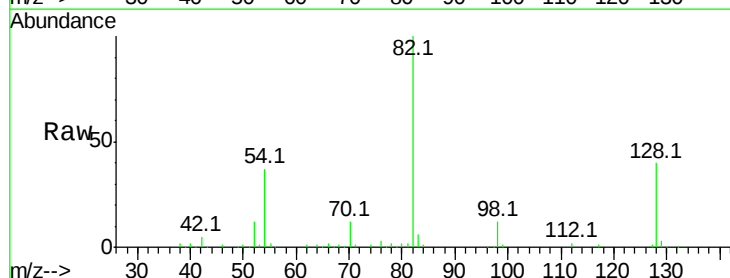
Ion Ratio Lower Upper

70 100

42 39.9 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

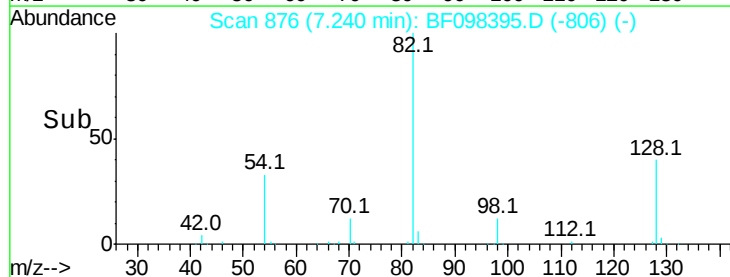
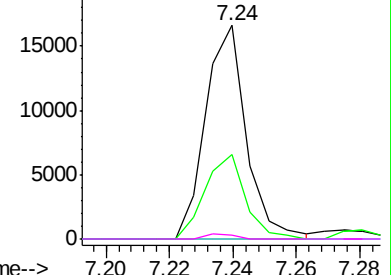


Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.03 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 377052

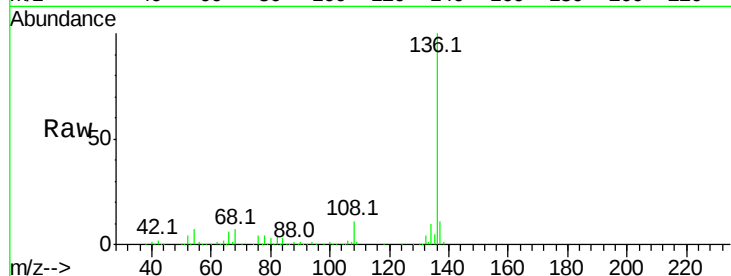
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.5 4.9 7.3#

68 7.3 4.1 6.1#

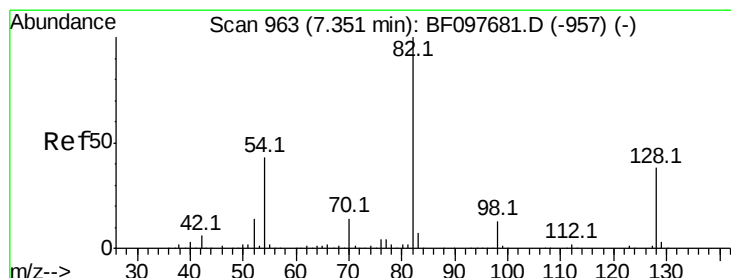
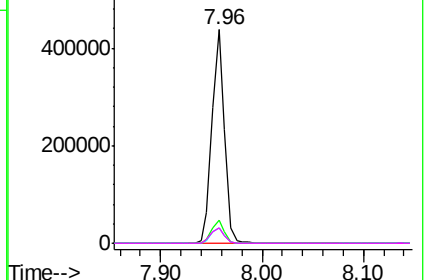
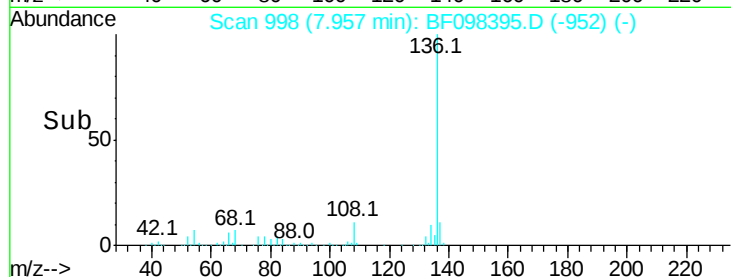


Abundance Ion 136.00 (135.70 to 136.70): E

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: 17.767 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

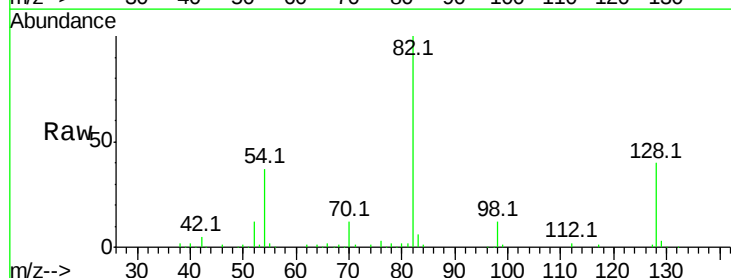
Tgt Ion: 82 Resp: 123318

Ion Ratio Lower Upper

82 100

128 40.5 34.0 51.0

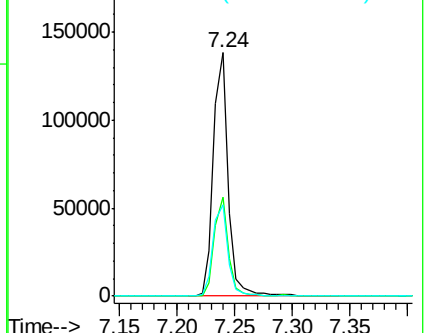
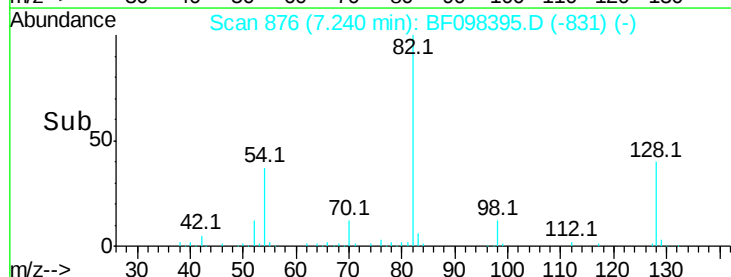
54 37.5 42.2 63.2#

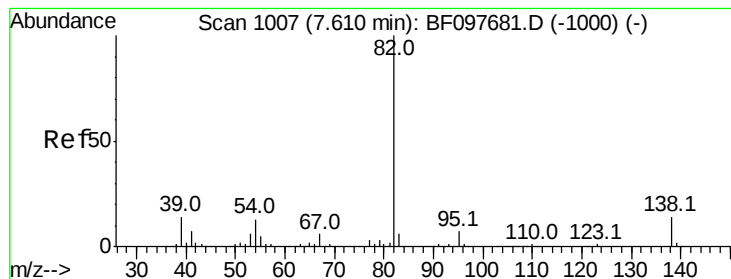


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 8.545 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.29 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Instrument :

BNA_F

ClientSampleId :

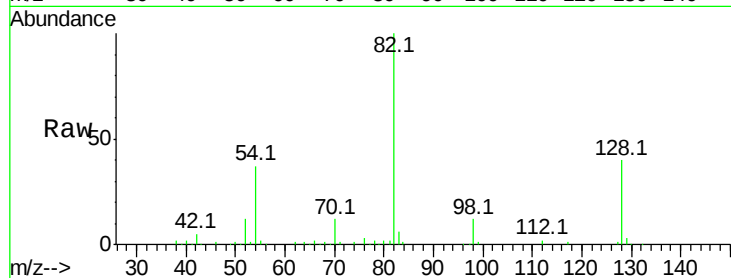
Tot Ion: 82 Resp: 123317

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

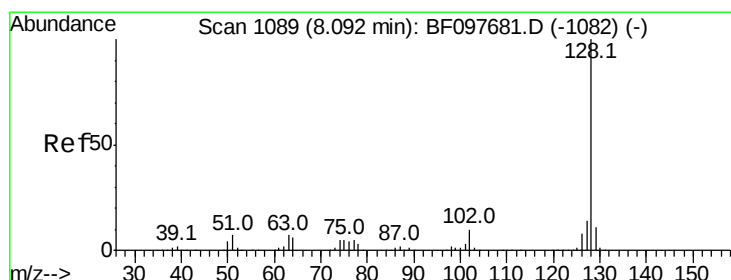
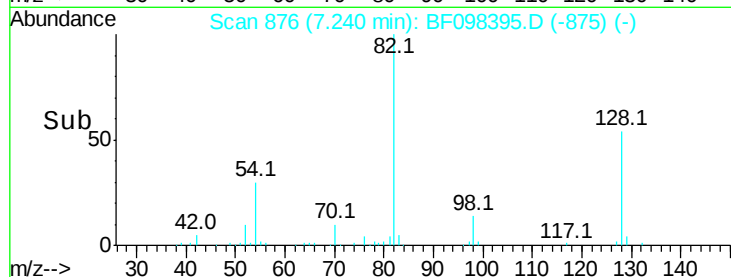
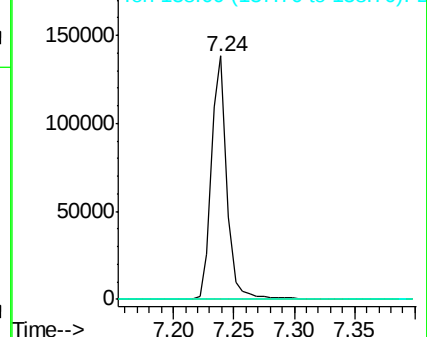
138 0.0 13.1 19.7#



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): BF0



#31

Naphthalene

Concen: 16.456 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.03 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

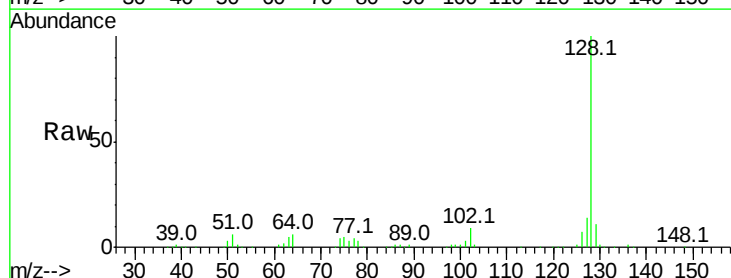
Tgt Ion:128 Resp: 322122

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

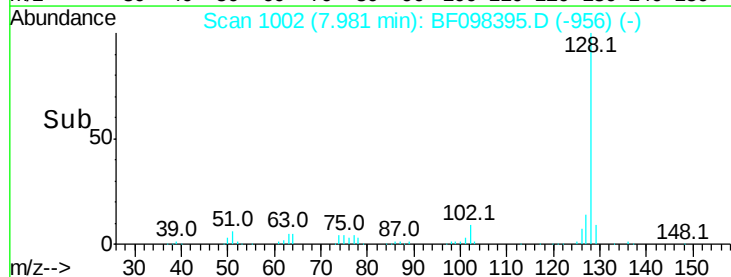
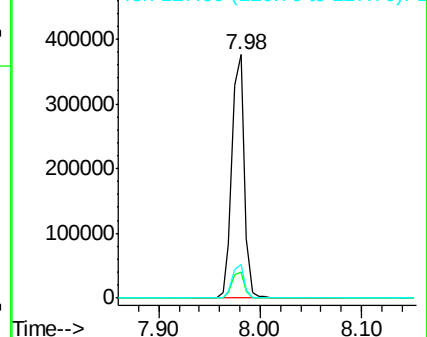
127 13.9 10.8 16.2

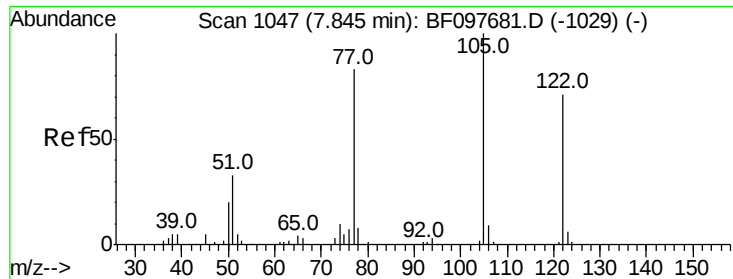


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

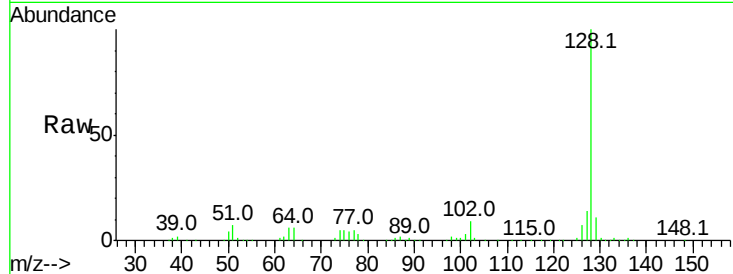




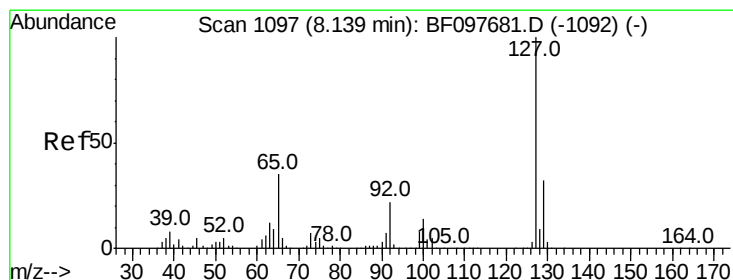
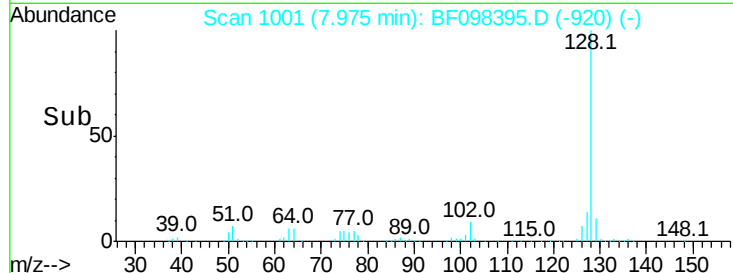
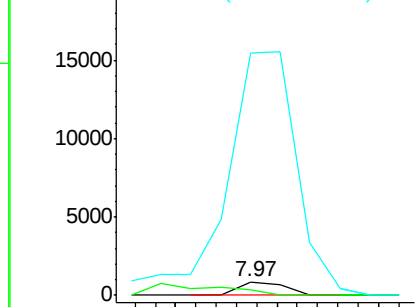
#32
Benzoic acid
Concen: 6.513 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.18 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 551
Ion Ratio Lower Upper
122 100
105 42.5 103.3 143.3#
77 1821.6 73.7 113.7#

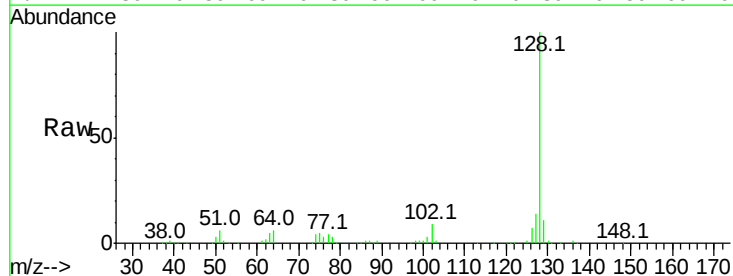


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

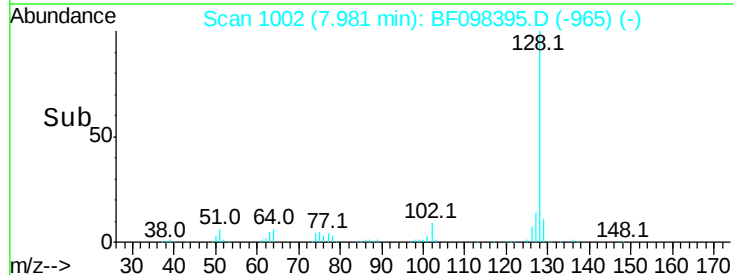
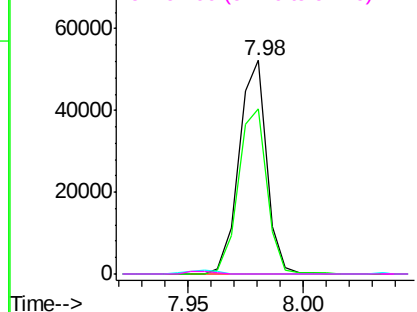


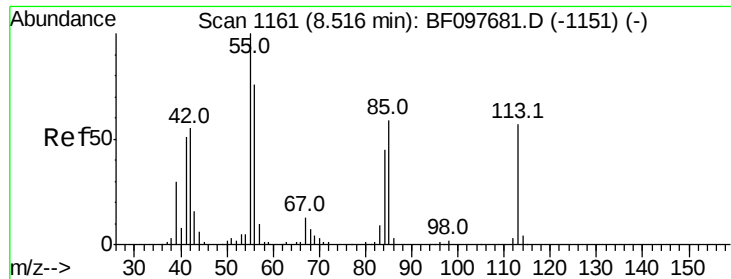
#33
4-Chloroaniline
Concen: 5.273 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.08 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Tgt Ion:127 Resp: 43532
Ion Ratio Lower Upper
127 100
129 77.4 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#



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): BF0
Ion 92.00 (91.70 to 92.70): BF0

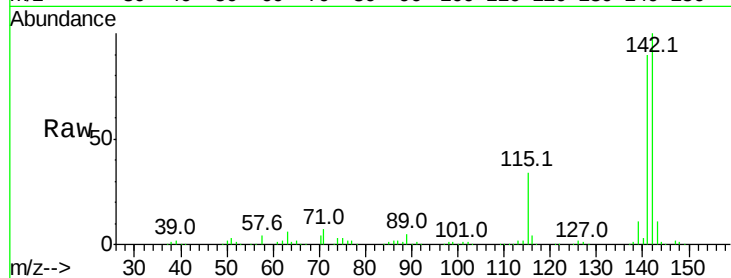




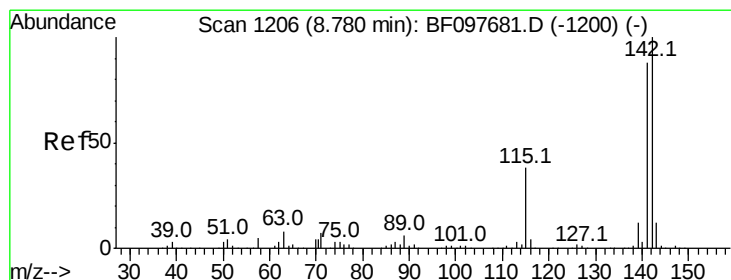
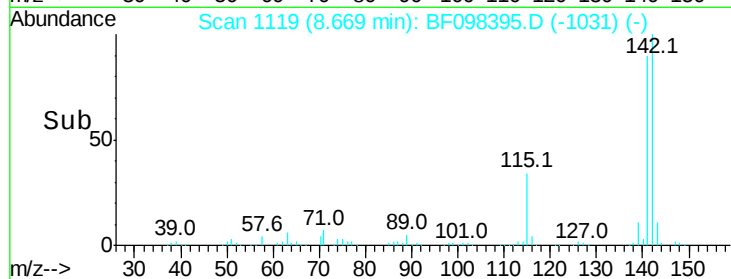
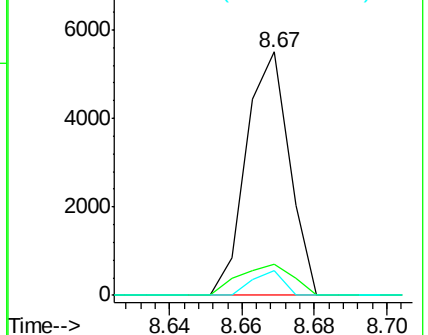
#35
 Caprolactam
 Concen: 2.663 ng
 RT: 8.67 min Scan# 1119
 Delta R.T. 0.22 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:113 Resp: 4524
 Ion Ratio Lower Upper
 113 100
 55 12.8 150.2 190.2#
 56 10.1 107.8 147.8#

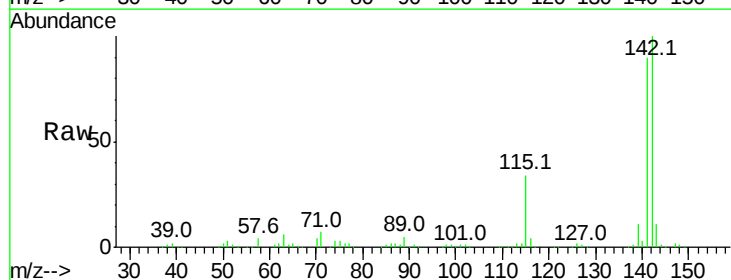


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

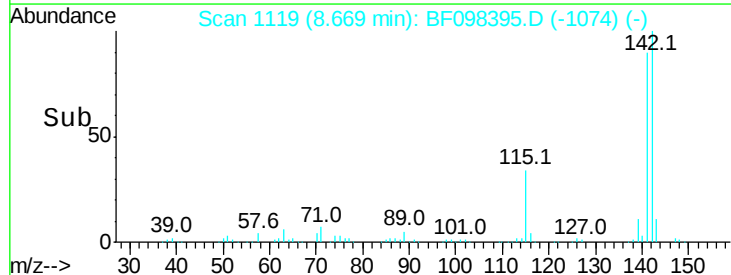
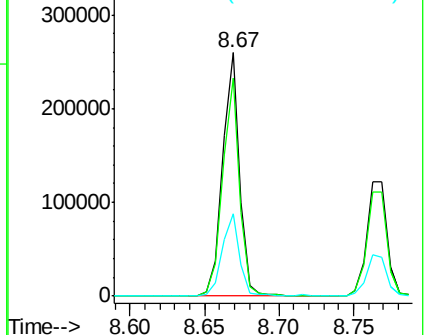


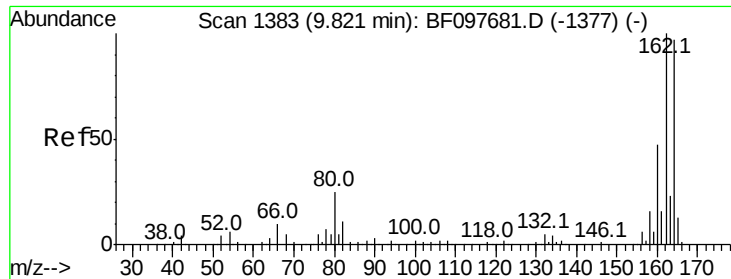
#37
 2-Methylnaphthalene
 Concen: 17.482 ng
 RT: 8.67 min Scan# 1119
 Delta R.T. -0.04 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Tgt Ion:142 Resp: 209805
 Ion Ratio Lower Upper
 142 100
 141 89.7 71.3 106.9
 115 34.0 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

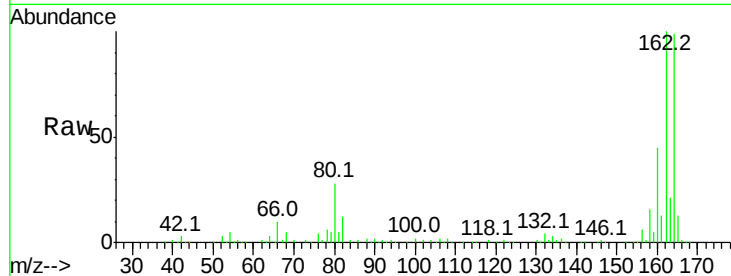




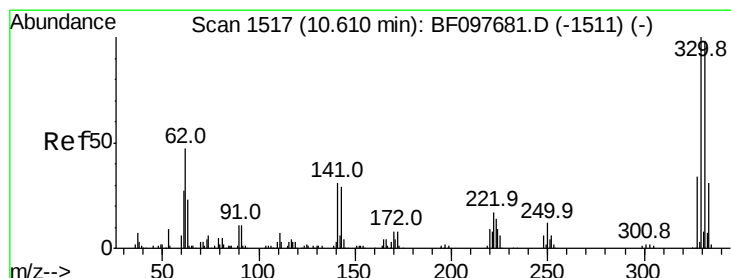
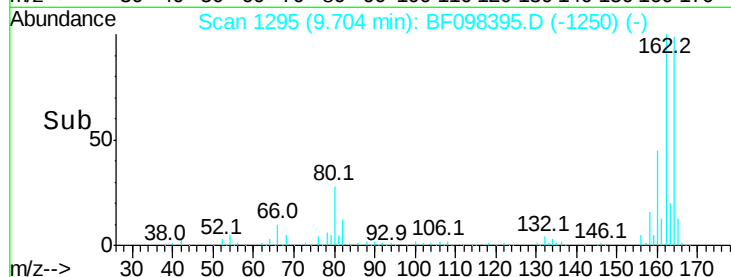
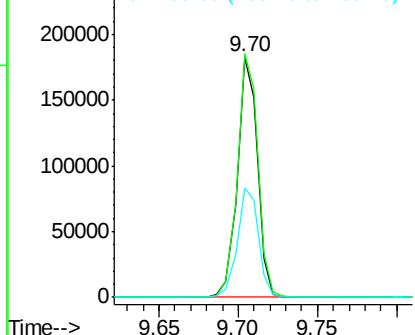
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 160730
Ion Ratio Lower Upper
164 100
162 101.5 82.6 123.8
160 45.8 36.2 54.2

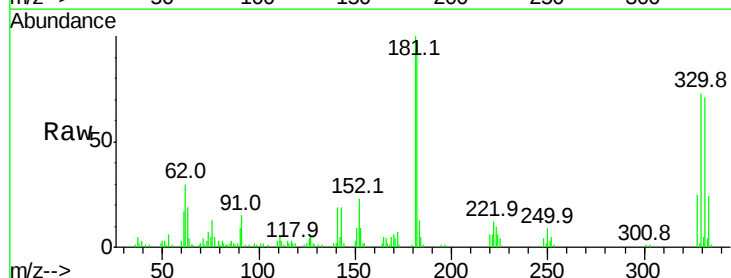


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

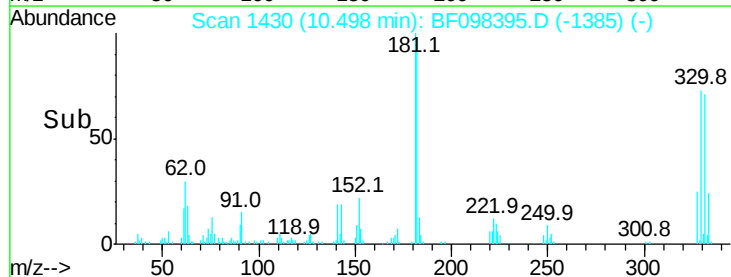
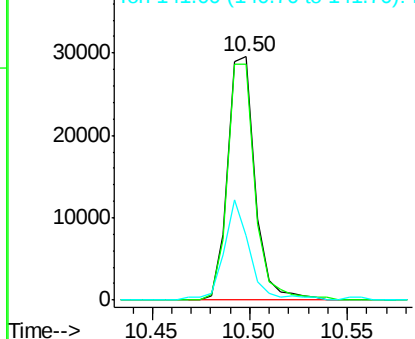


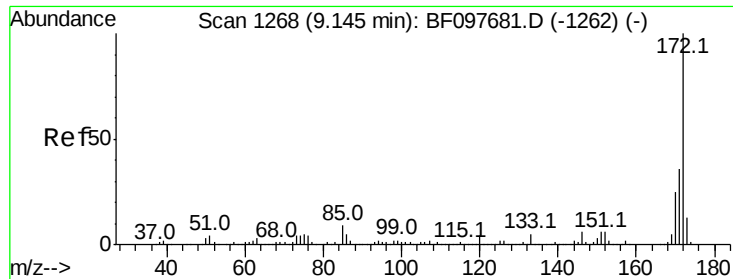
#41
2,4,6-Tribromophenol
Concen: 20.759 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Tgt Ion:330 Resp: 28950
Ion Ratio Lower Upper
330 100
332 97.2 76.6 115.0
141 38.7 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

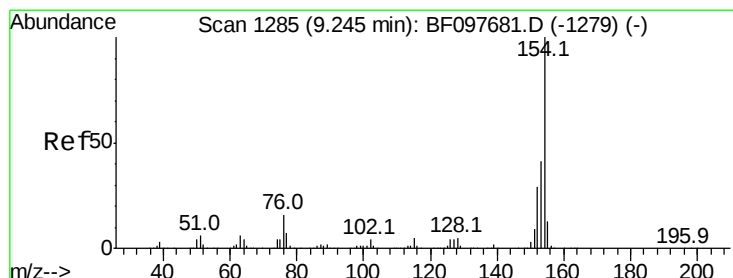
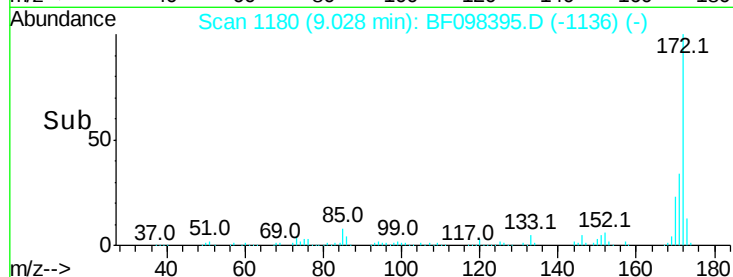
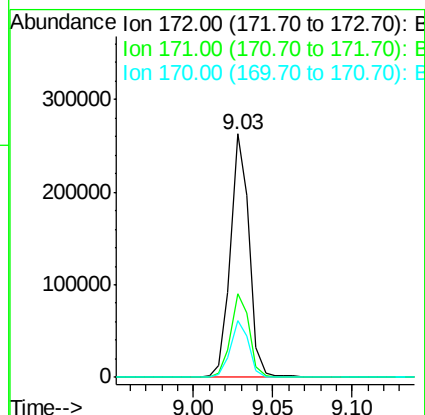
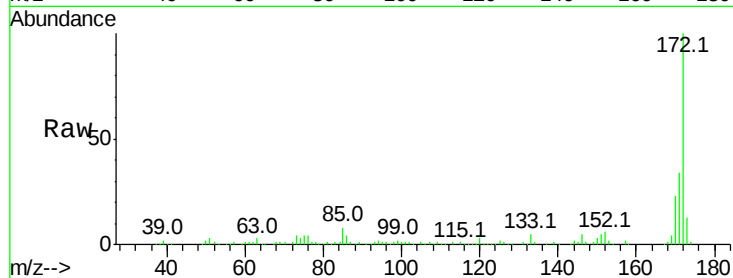




#44
 2-Fluorobiphenyl
 Concen: 19.669 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

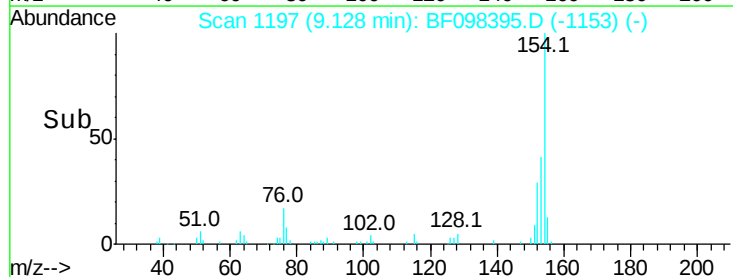
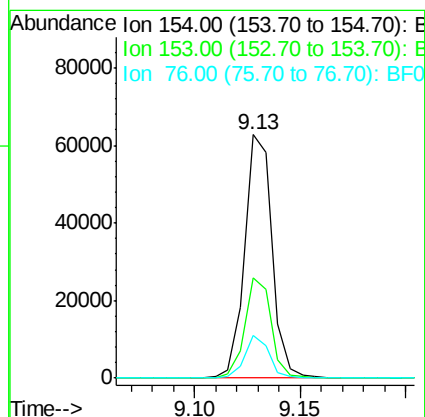
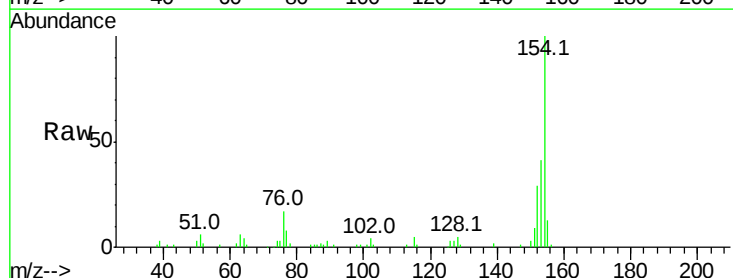
Instrument :
 BNA_F
 ClientSampleId :

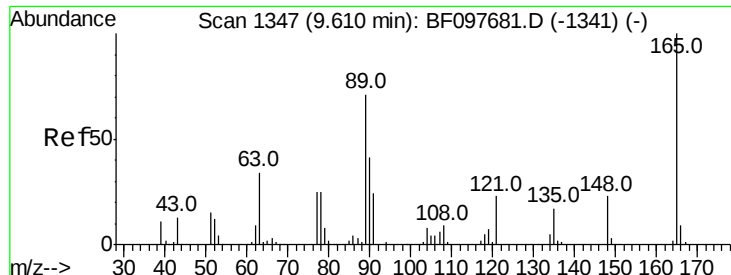
Tot Ion:172 Resp: 215179
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.6 44.4
 170 23.4 19.8 29.8



#45
 1,1'-Biphenyl
 Concen: 3.836 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Tgt Ion:154 Resp: 56221
 Ion Ratio Lower Upper
 154 100
 153 41.1 21.2 61.2
 76 17.3 0.0 29.9

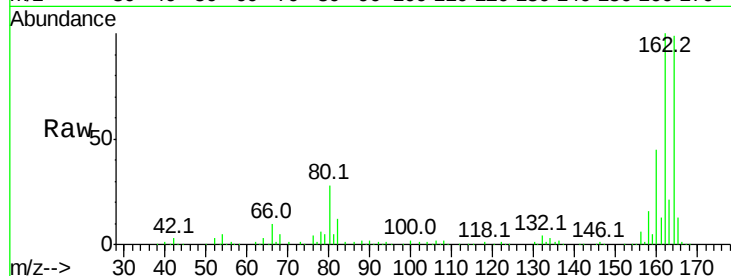




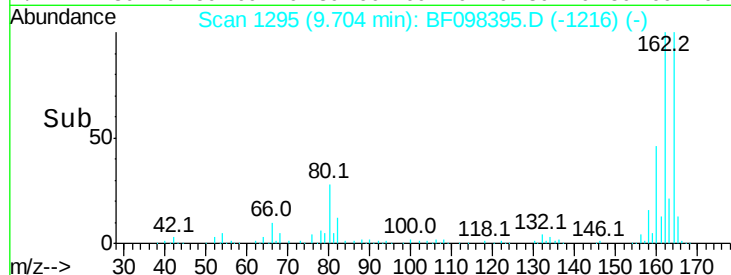
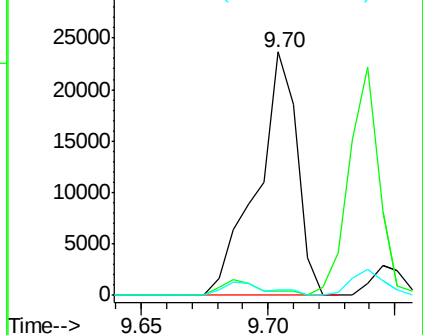
#50
 2,6-Dinitrotoluene
 Concen: 11.106 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. 0.16 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 26046
 Ion Ratio Lower Upper
 165 100
 63 1.8 34.3 51.5#
 89 2.4 37.1 55.7#

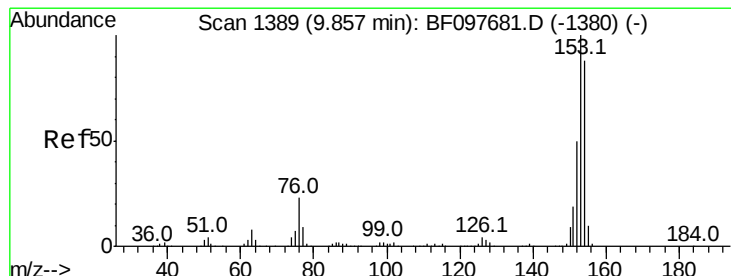


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

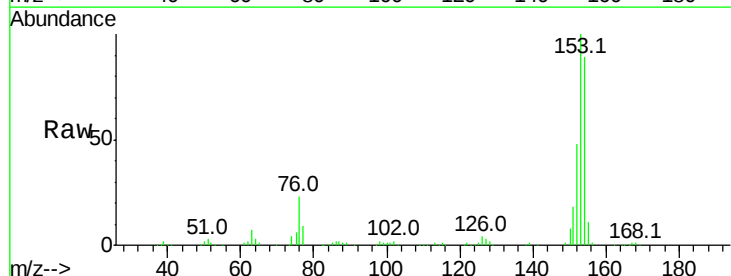
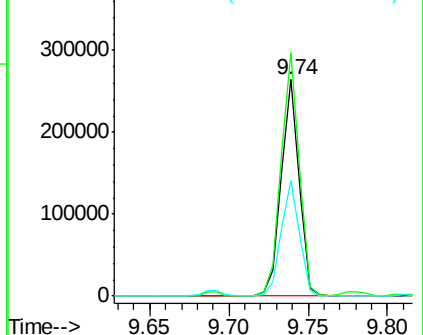


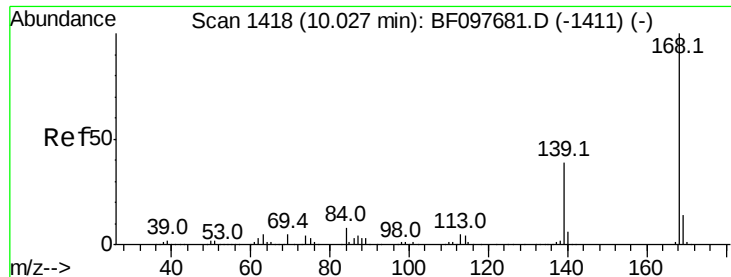
#51
 Acenaphthene
 Concen: 19.286 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.04 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Tgt Ion:154 Resp: 206859
 Ion Ratio Lower Upper
 154 100
 153 112.5 90.5 135.7
 152 53.7 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

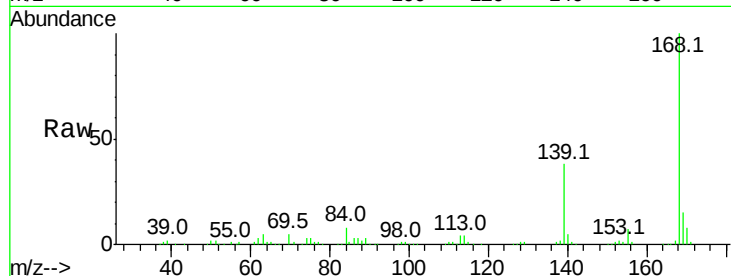




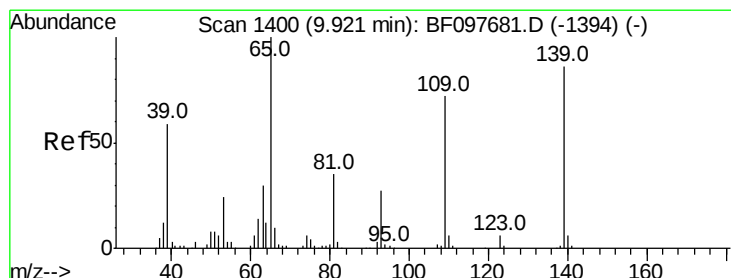
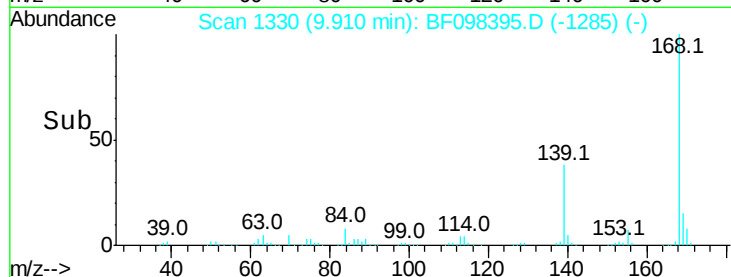
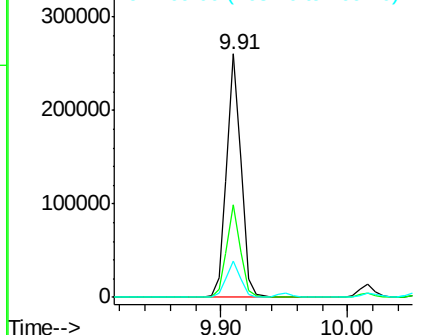
#54
Dibenzofuran
Concen: 14.388 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 206827
Ion Ratio Lower Upper
168 100
139 37.9 30.6 45.8
169 14.9 10.8 16.2

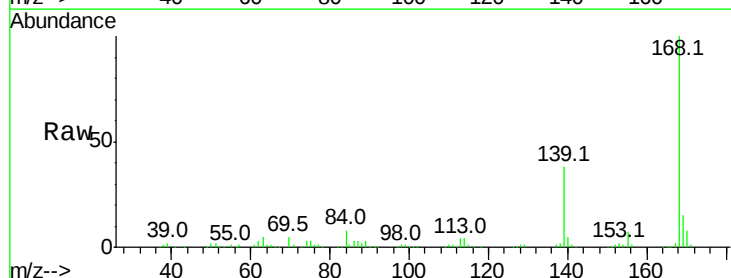


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

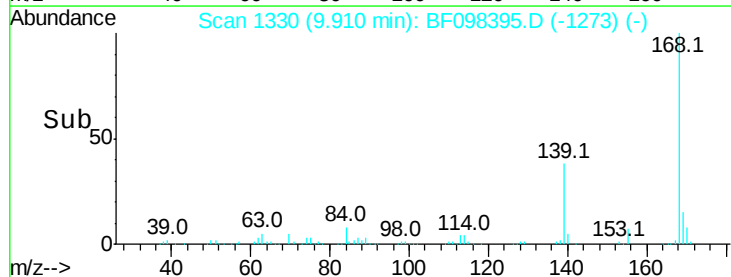
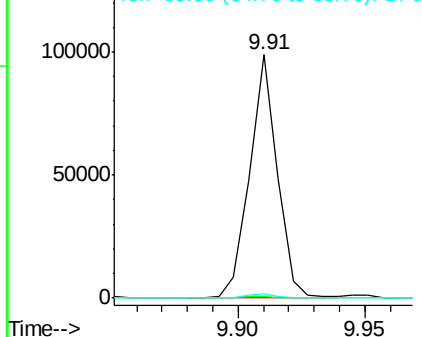


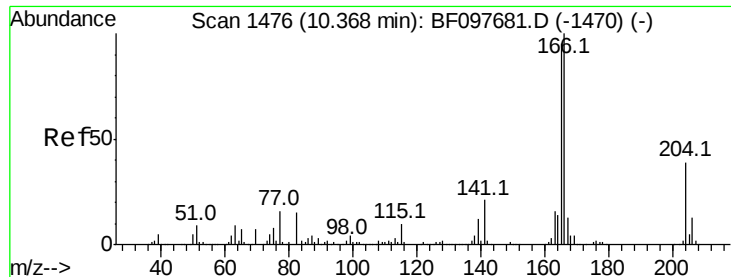
#55
4-Nitrophenol
Concen: 31.205 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.04 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Tgt Ion:139 Resp: 75320
Ion Ratio Lower Upper
139 100
109 0.7 34.1 74.1#
65 1.8 31.4 71.4#



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

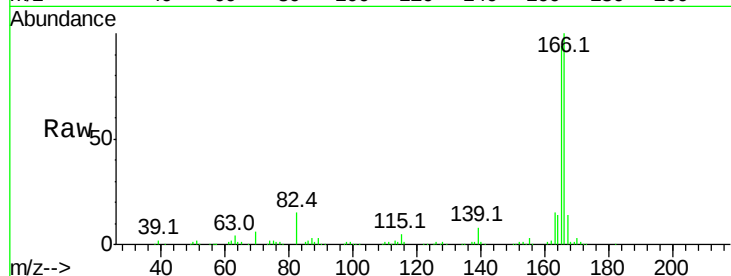




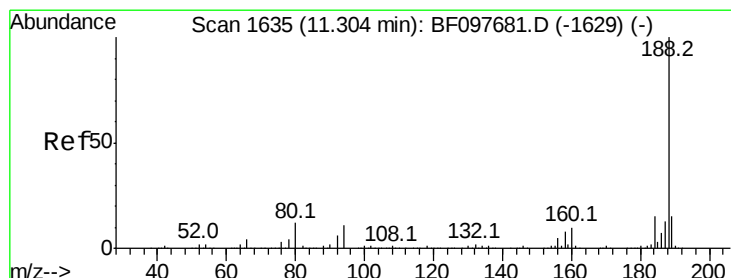
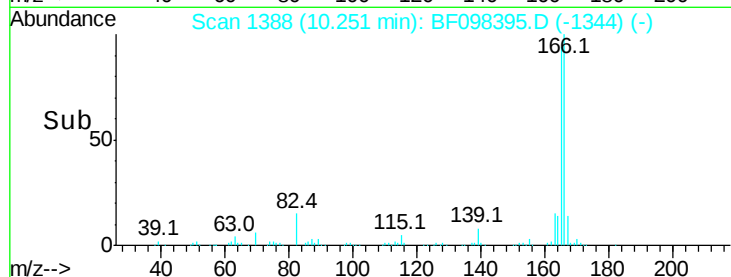
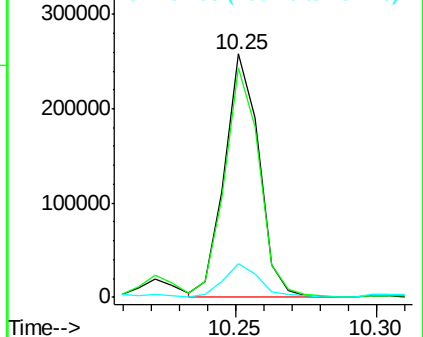
#57
Fluorene
 Concen: 19.595 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.04 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 217777
 Ion Ratio Lower Upper
 166 100
 165 94.3 78.8 118.2
 167 13.8 10.6 16.0

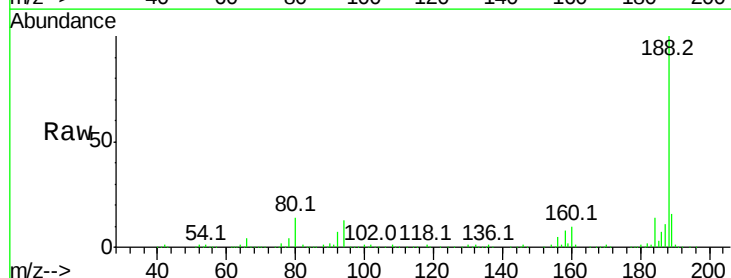


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

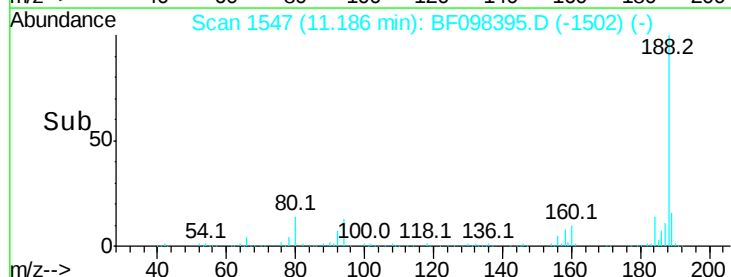
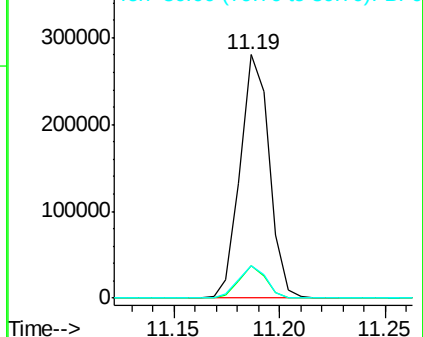


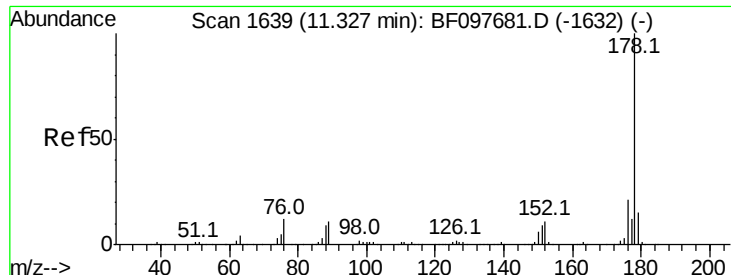
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.04 min
 Lab File: BF098395.D
 Acq: 9 Sep 2017 19:35

Tgt Ion:188 Resp: 267201
 Ion Ratio Lower Upper
 188 100
 94 13.2 9.4 14.2
 80 13.5 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 51.699 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Instrument :

BNA_F

ClientSampleId :

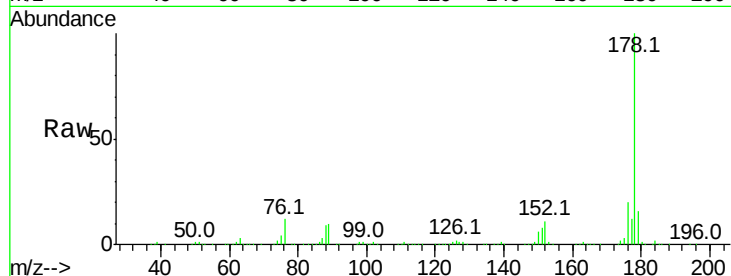
Tot Ion:178 Resp: 736107

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

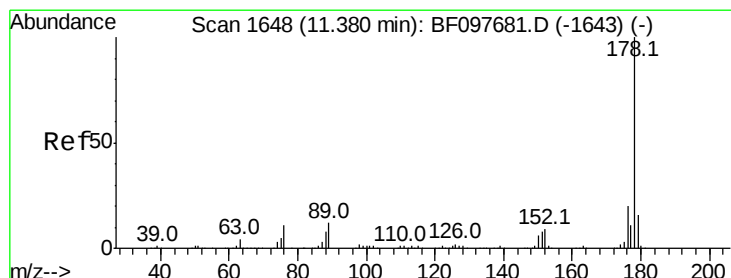
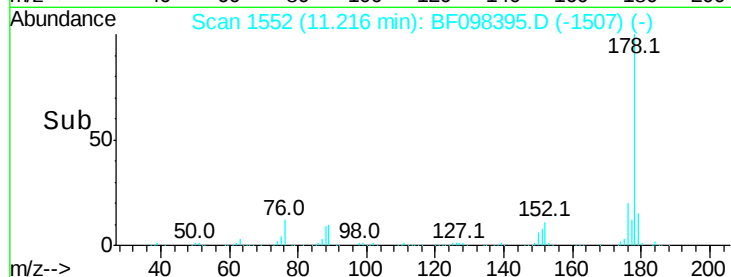
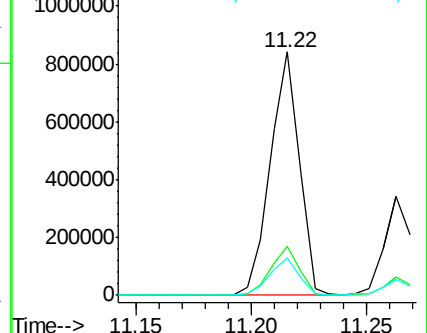
179 15.6 12.6 19.0



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: 18.560 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

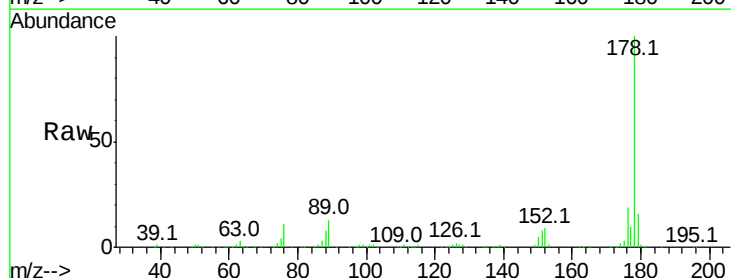
Tgt Ion:178 Resp: 268037

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

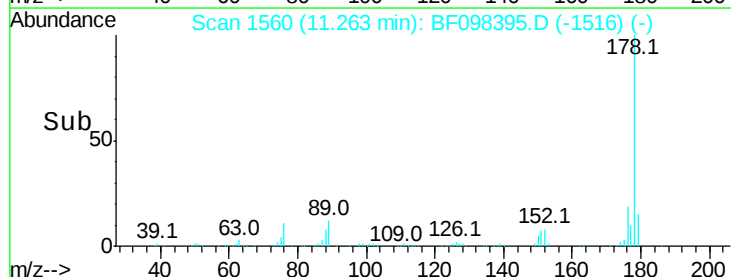
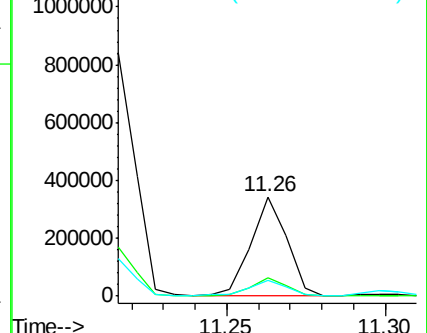
179 15.8 12.7 19.1

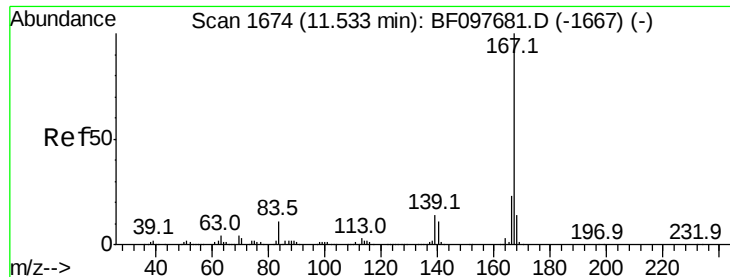


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.848 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Instrument :

BNA_F

ClientSampleId :

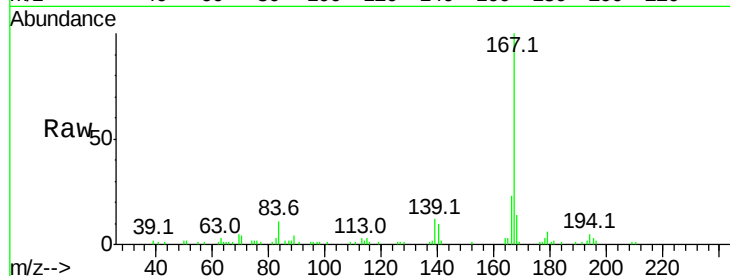
Tot Ion:167 Resp: 39044

Ion Ratio Lower Upper

167 100

166 23.1 18.1 27.1

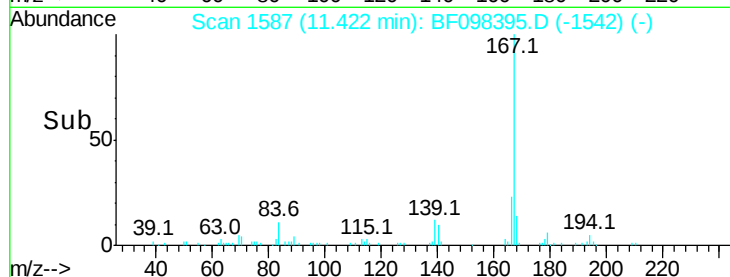
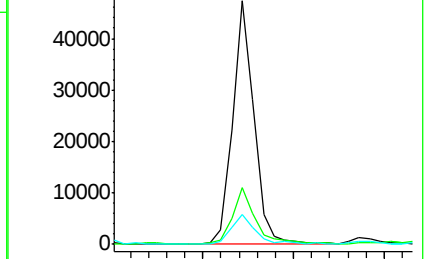
139 12.0 11.7 17.5



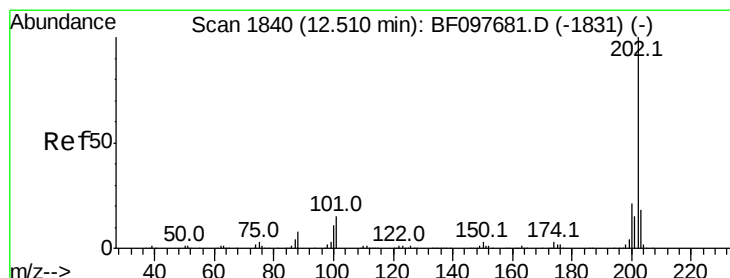
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Fluoranthene

Concen: 33.208 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

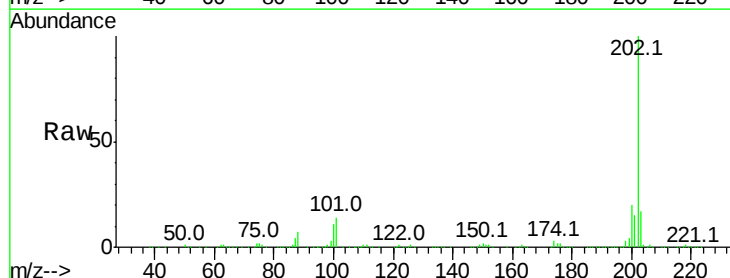
Tgt Ion:202 Resp: 493524

Ion Ratio Lower Upper

202 100

101 14.5 0.0 33.2

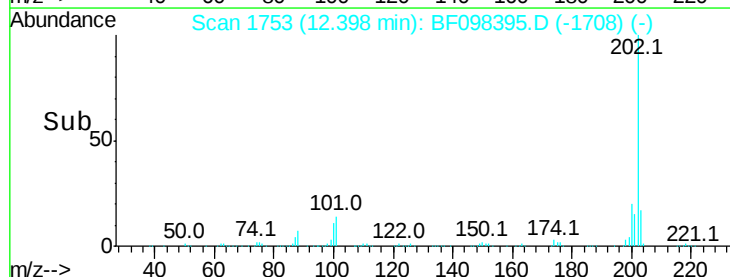
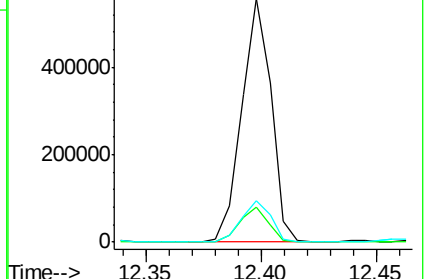
203 17.1 0.0 38.1



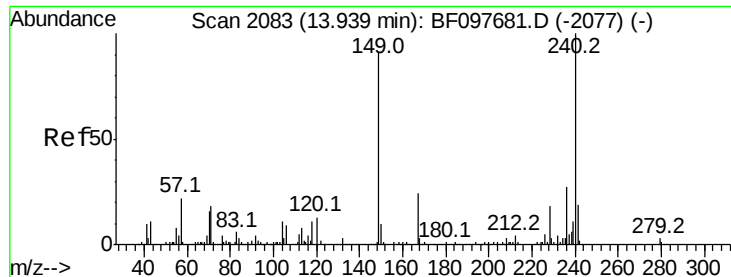
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Instrument :

BNA_F

ClientSampleId :

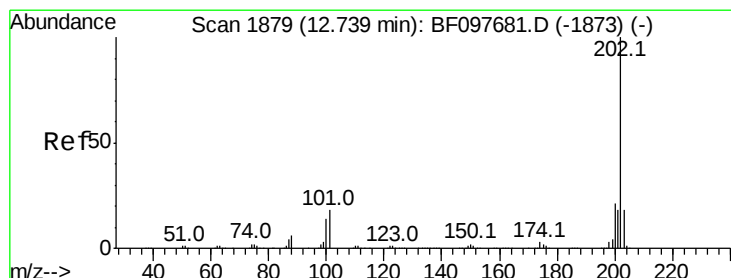
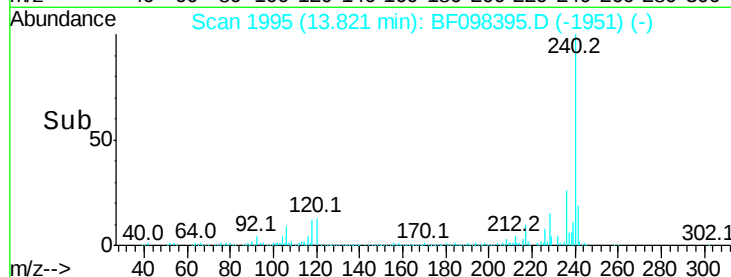
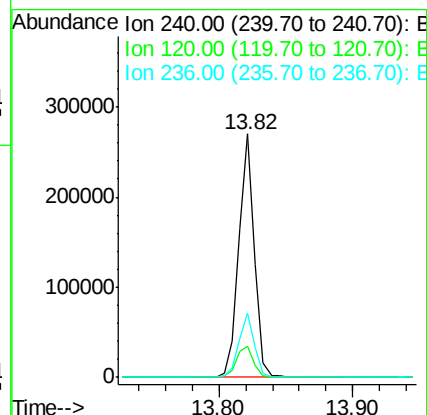
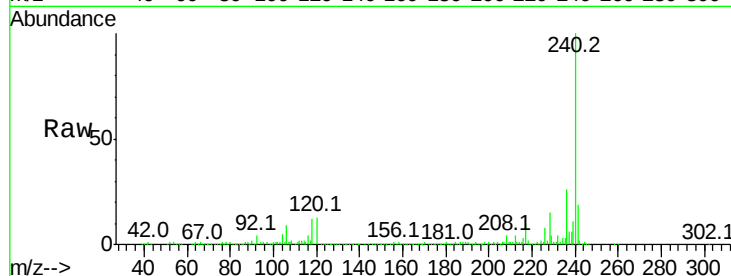
Tot Ion:240 Resp: 223688

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

236 26.3 20.5 30.7



#77

Pyrene

Concen: 21.617 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

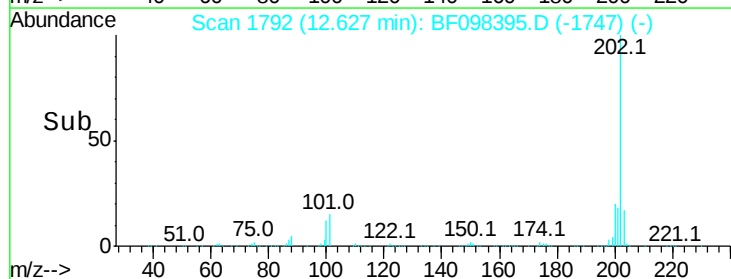
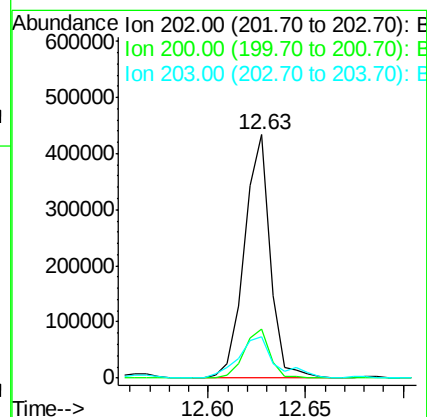
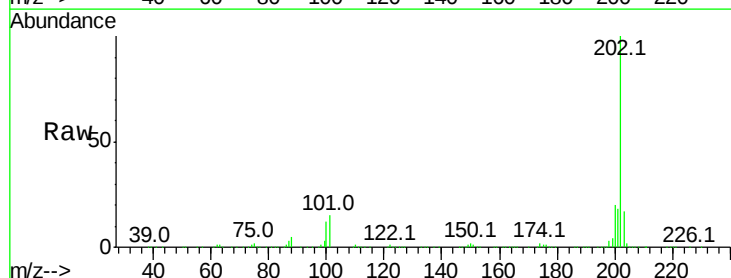
Tgt Ion:202 Resp: 395486

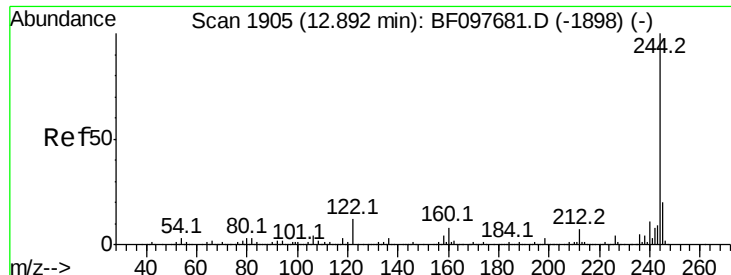
Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

203 17.1 14.4 21.6





#78

Terphenyl-d14

Concen: 13.162 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Instrument :

BNA_F

ClientSampleId :

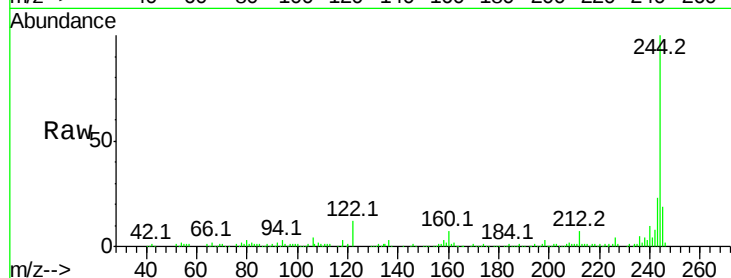
Tot Ion:244 Resp: 141186

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

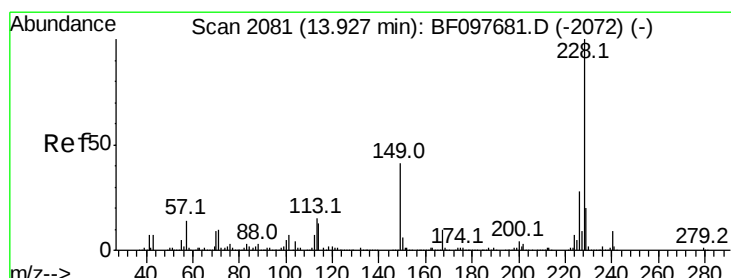
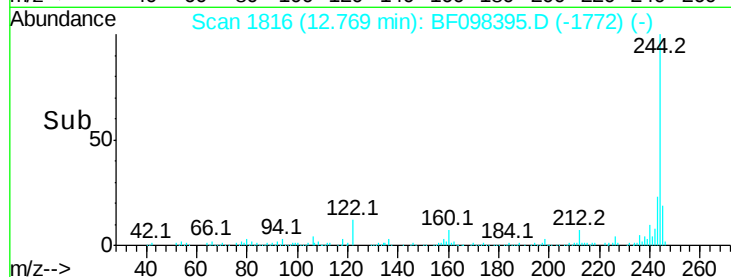
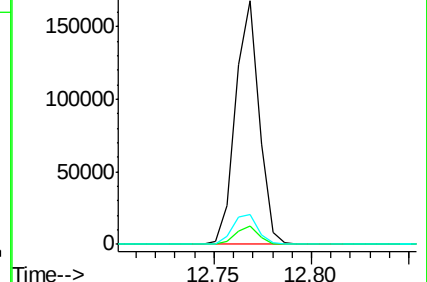
122 12.4 10.3 15.5



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: 10.975 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

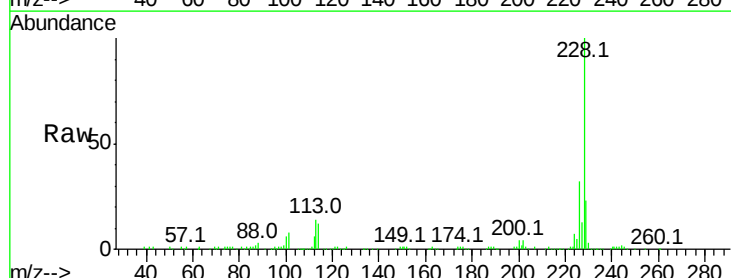
Tgt Ion:228 Resp: 147143

Ion Ratio Lower Upper

228 100

226 32.1 22.6 33.8

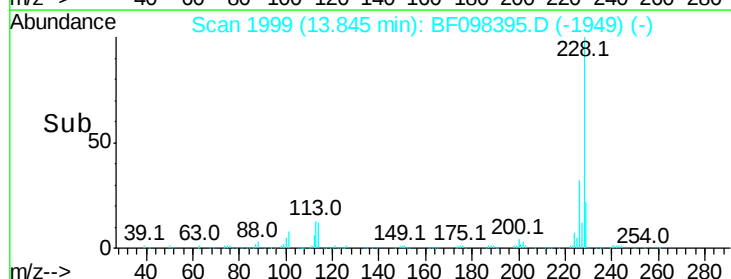
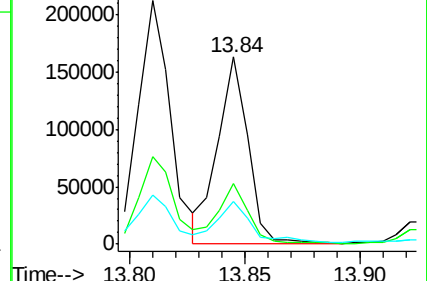
229 22.8 16.3 24.5

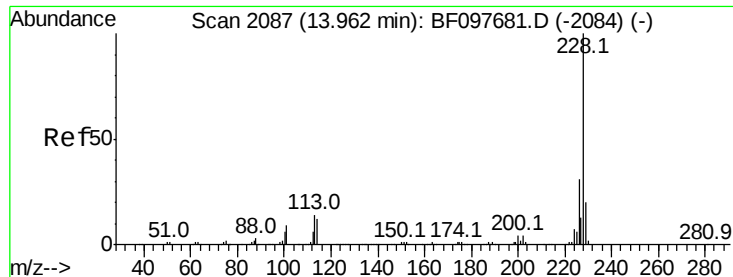


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.033 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Instrument :

BNA_F

ClientSampleId :

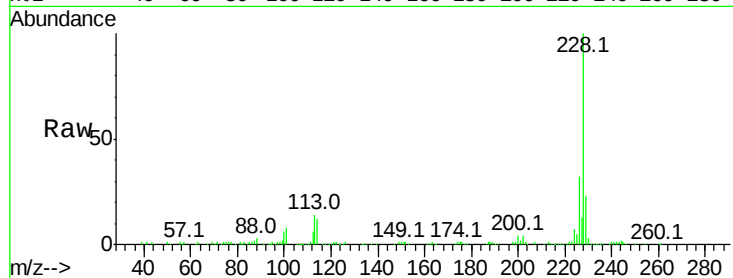
Tot Ion:228 Resp: 147143

Ion Ratio Lower Upper

228 100

226 32.1 24.9 37.3

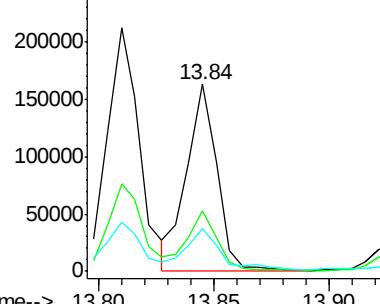
229 22.8 15.8 23.6



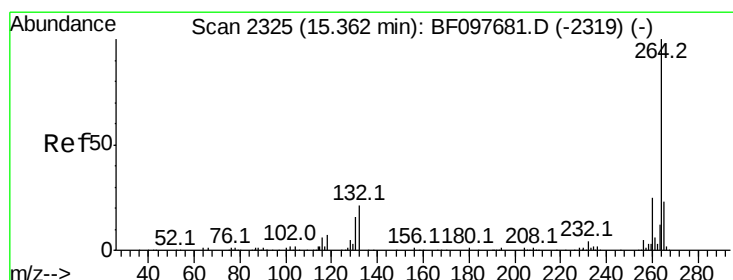
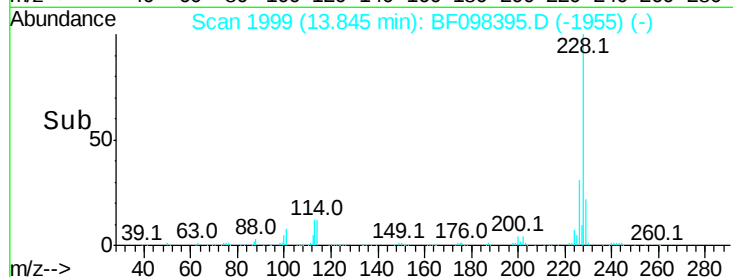
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 13.80 13.85 13.90



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

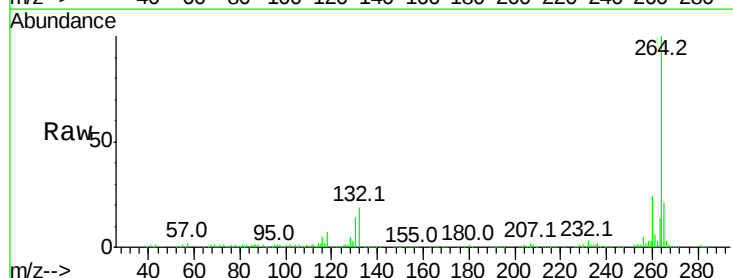
Tgt Ion:264 Resp: 208767

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

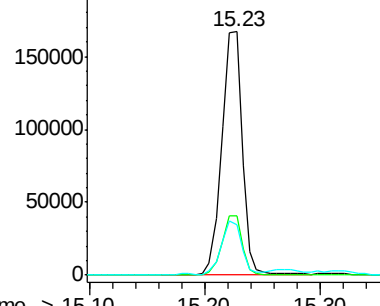
265 20.8 17.2 25.8



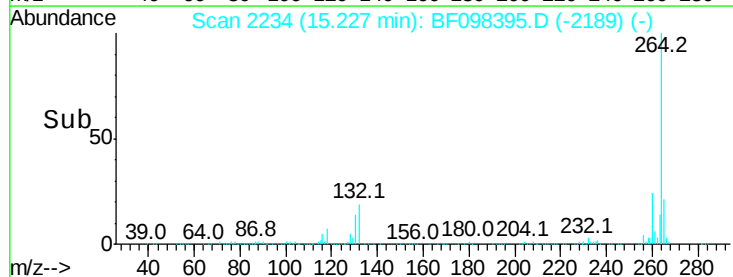
Abundance Ion 264.00 (263.70 to 264.70): E

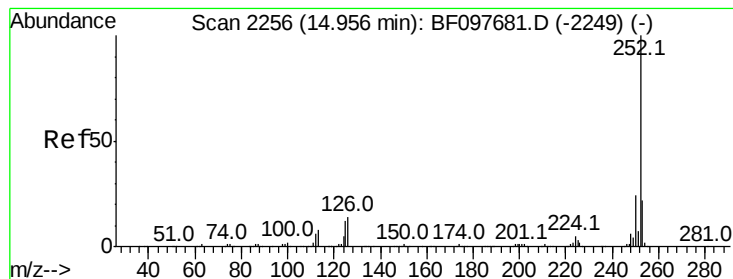
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time--> 15.10 15.20 15.30





#87

Benzo(b)fluoranthene

Concen: 17.297 ng

RT: 14.83 min Scan# 2166

Delta R.T. -0.04 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

Instrument :

BNA_F

ClientSampleId :

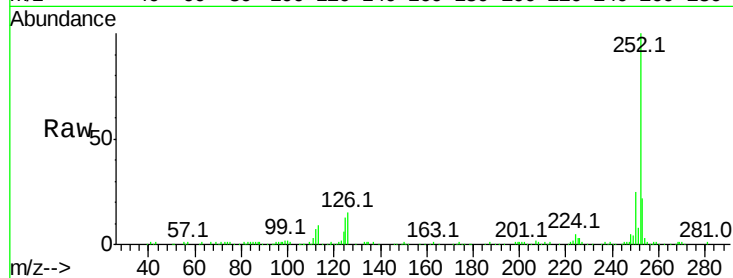
Tot Ion:252 Resp: 227613

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

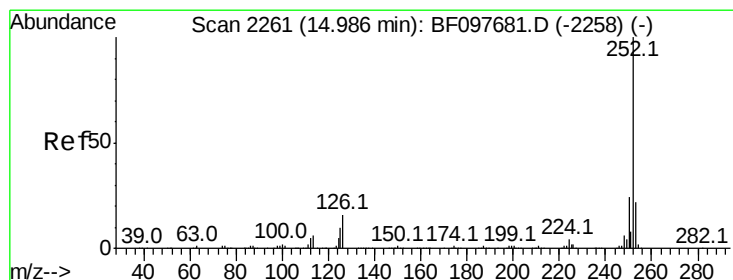
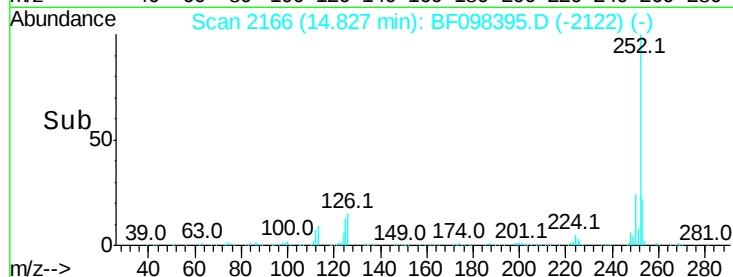
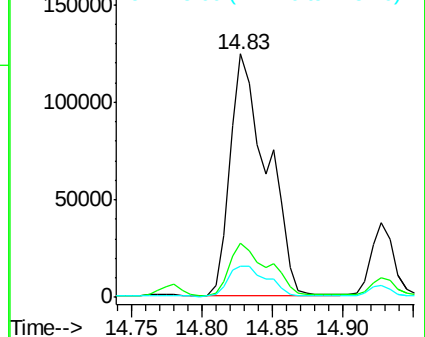
125 12.9 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.494 ng

RT: 14.93 min Scan# 2183

Delta R.T. 0.03 min

Lab File: BF098395.D

Acq: 9 Sep 2017 19:35

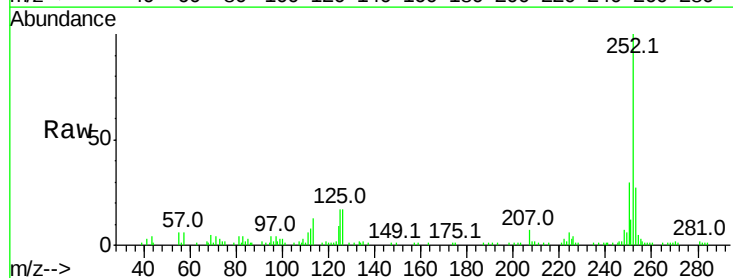
Tgt Ion:252 Resp: 43193

Ion Ratio Lower Upper

252 100

253 26.9 18.4 27.6

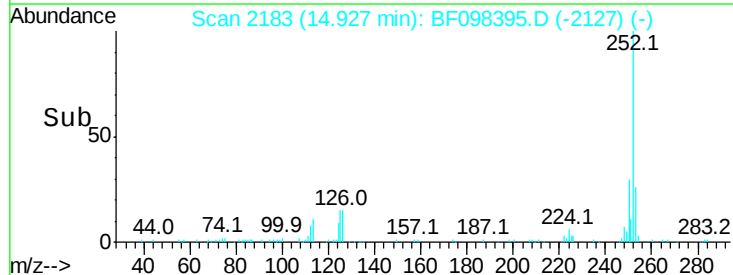
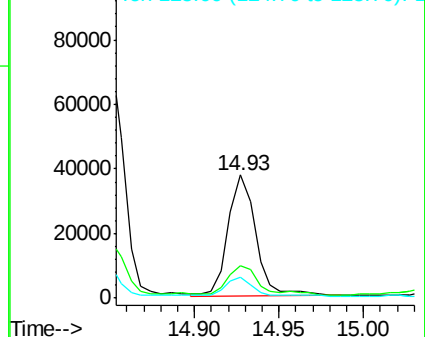
125 16.6 13.1 19.7

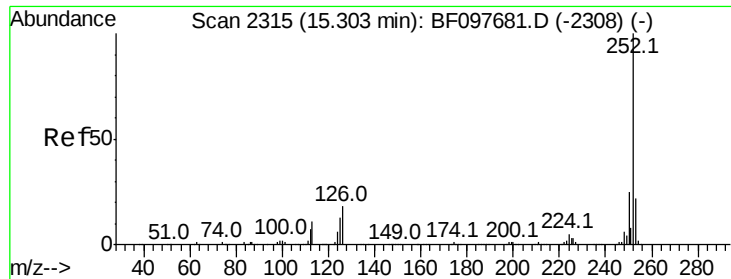


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

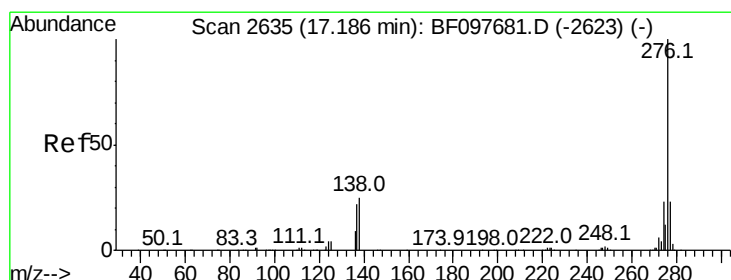
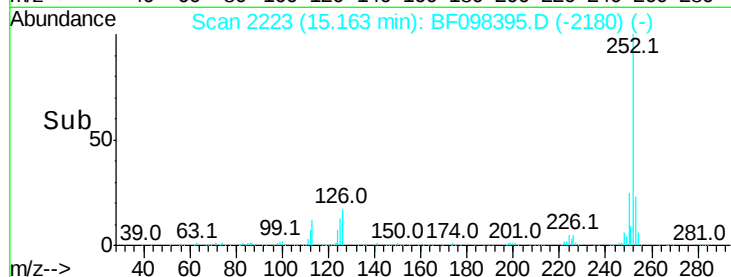
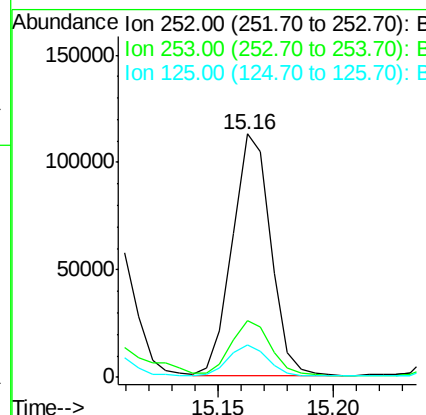
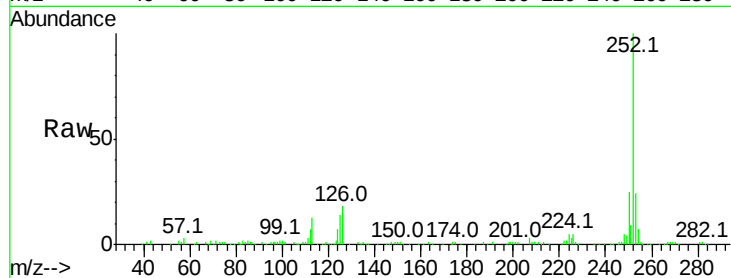




#89
Benzo(a)pyrene
Concen: 11.312 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.05 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 131778
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 13.6 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 4.205 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.08 min
Lab File: BF098395.D
Acq: 9 Sep 2017 19:35

Tgt Ion:276 Resp: 41615
Ion Ratio Lower Upper
276 100
277 22.4 18.6 28.0
138 24.9 25.4 38.0#

