

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099310.D
 Acq On : 10 Oct 2017 19:57
 Operator : SJ/JU
 Sample : I5691-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 11 00:51:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

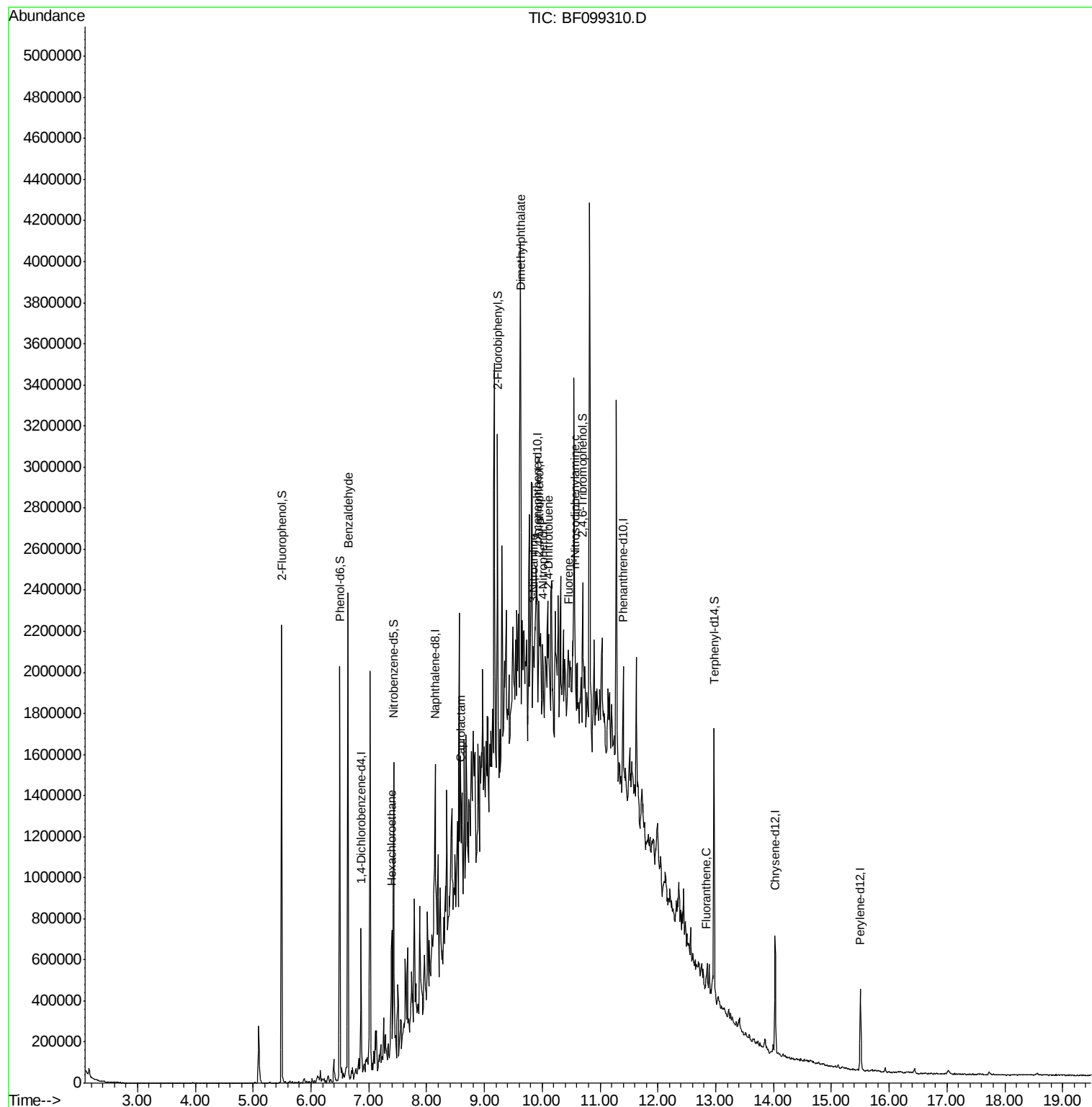
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	99608	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	352603	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	122098	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	180191	20.00	ng	0.00
75) Chrysene-d12	14.03	240	189449	20.00	ng	0.00
86) Perylene-d12	15.50	264	165768	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	692946	110.74	ng	0.01
7) Phenol-d6	6.50	99	820485	106.30	ng	0.00
23) Nitrobenzene-d5	7.43	82	438537	79.76	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	103727	103.82	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	624029	85.32	ng	0.00
78) Terphenyl-d14	12.97	244	439354	52.74	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.64	77	14334	3.20	ng	86
18) Hexachloroethane	7.39	117	22862	8.42	ng	# 1
35) Caprolactam	8.60	113	6359	4.08	ng	# 1
49) Dimethylphthalate	9.62	163	99461	10.79	ng	# 74
52) 3-Nitroaniline	9.86	138	10829	4.63	ng	# 20
53) 2,4-Dinitrophenol	9.93	184	429	6.21	ng	# 1
55) 4-Nitrophenol	10.02	139	5134	2.60	ng	# 1
56) 2,4-Dinitrotoluene	10.11	165	6121	2.35	ng	# 54
57) Fluorene	10.46	166	23468	2.87	ng	# 79
65) n-Nitrosodiphenylamine	10.57	169	74430	11.92	ng	# 42
74) Fluoranthene	12.83	202	25123	2.57	ng	87

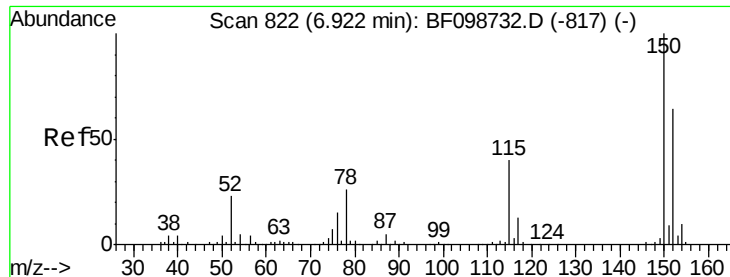
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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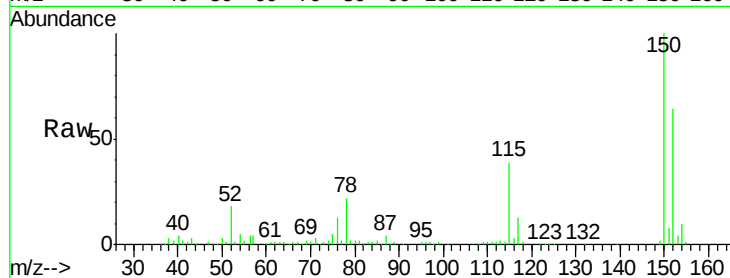


#1

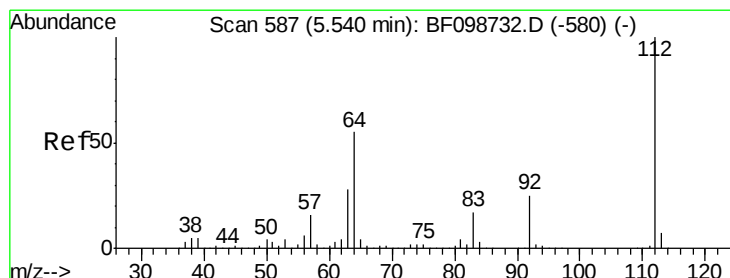
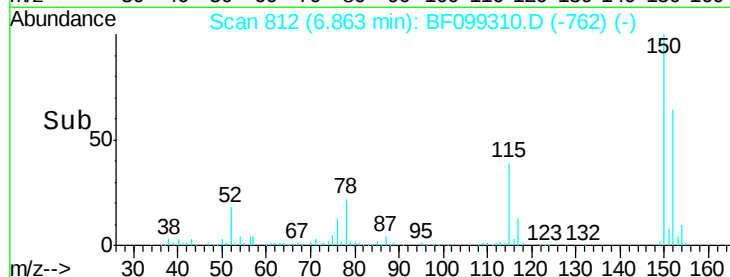
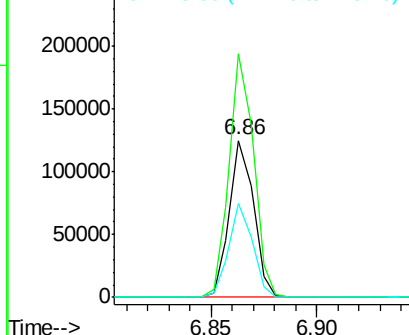
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099310.D
 Acq: 10 Oct 2017 19:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 99608
 Ion Ratio Lower Upper
 152 100
 150 155.3 124.6 186.8
 115 60.2 50.1 75.1



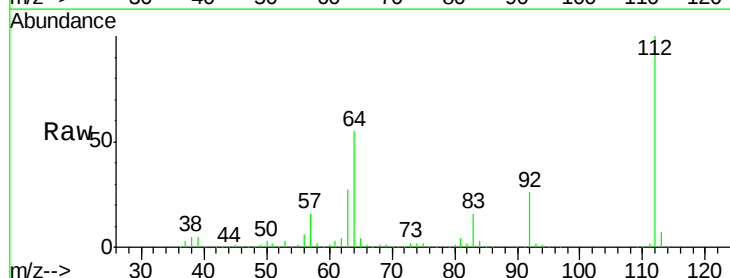
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



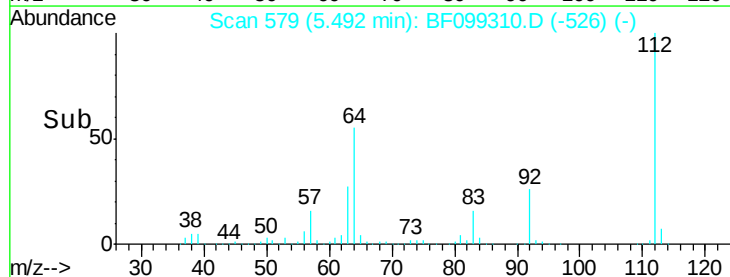
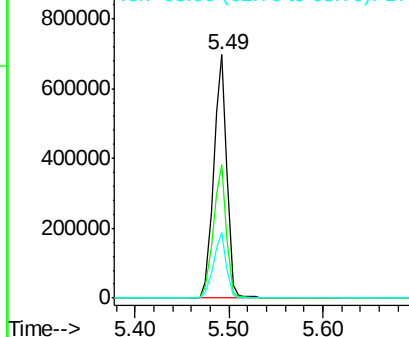
#5

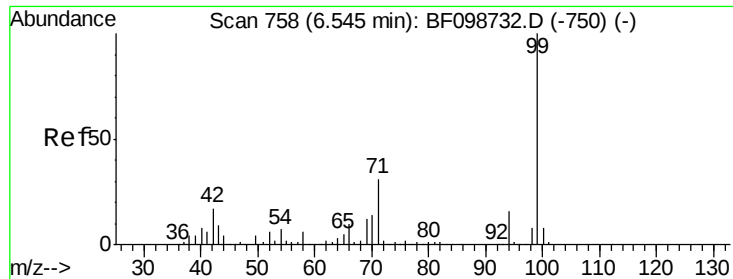
2-Fluorophenol
 Concen: 110.74 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: BF099310.D
 Acq: 10 Oct 2017 19:57

Tgt Ion:112 Resp: 692946
 Ion Ratio Lower Upper
 112 100
 64 54.7 47.9 71.9
 63 26.9 23.7 35.5



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





#7

Phenol-d6

Concen: 106.30 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099310.D

Acq: 10 Oct 2017 19:57

Instrument :

BNA_F

ClientSampled :

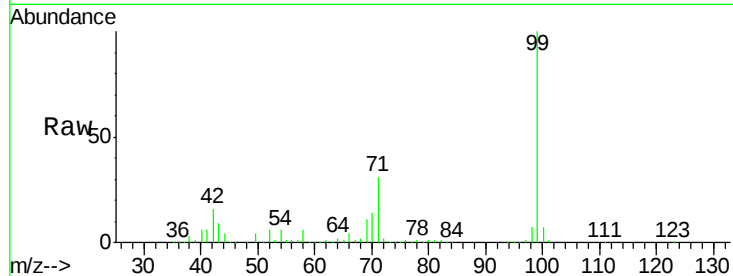
Tot Ion: 99 Resp: 820485

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

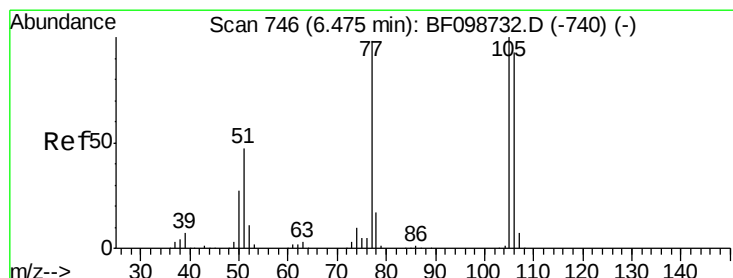
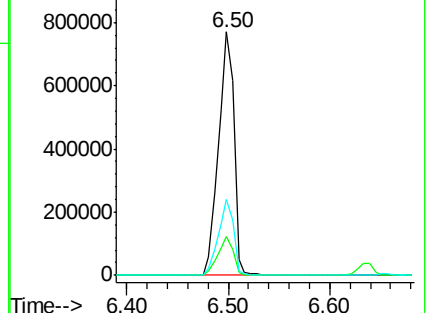
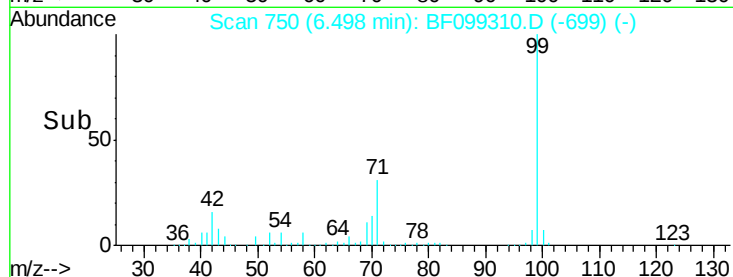
71 31.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.20 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099310.D

Acq: 10 Oct 2017 19:57

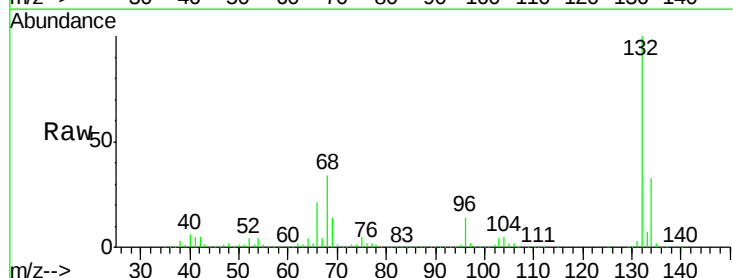
Tgt Ion: 77 Resp: 14334

Ion Ratio Lower Upper

77 100

105 85.1 81.1 121.1

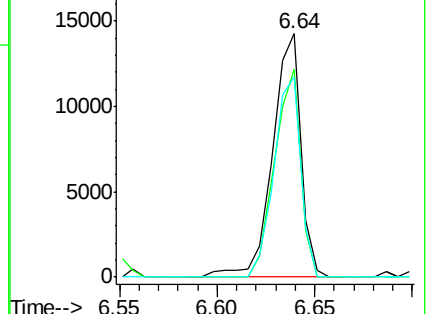
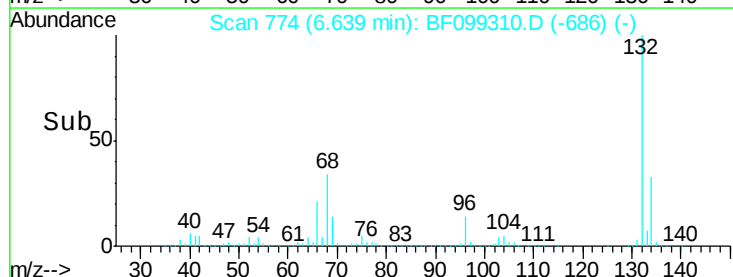
106 82.1 74.5 114.5

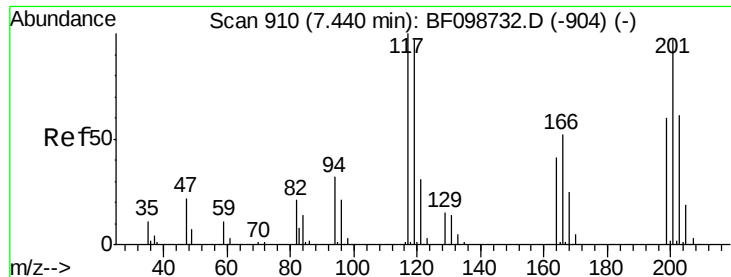


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

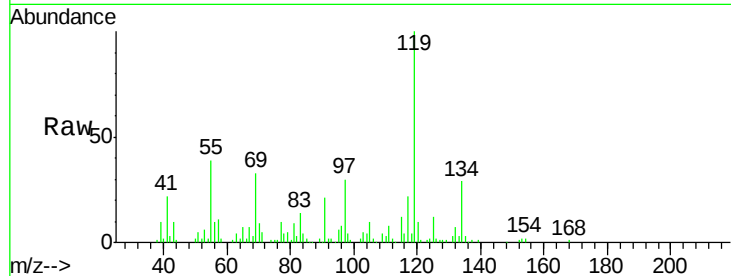




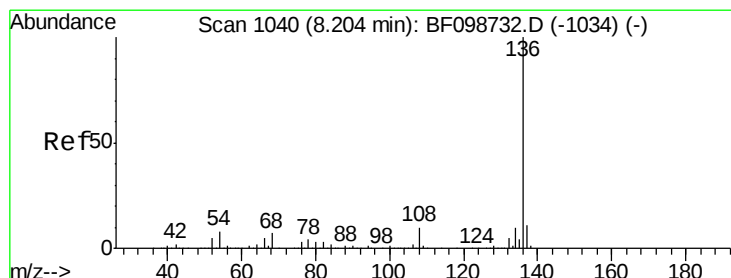
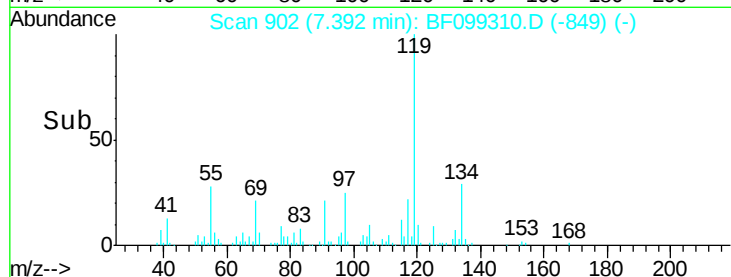
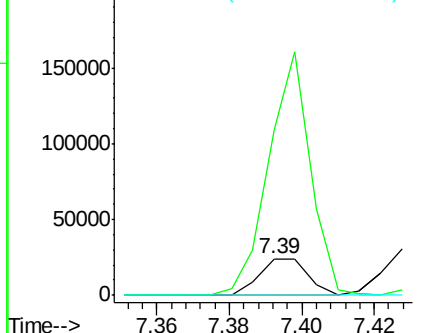
#18
Hexachloroethane
Concen: 8.42 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.01 min
Lab File: BF099310.D
Acq: 10 Oct 2017 19:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 22862
Ion Ratio Lower Upper
117 100
119 455.8 75.8 113.8#
201 0.0 75.7 113.5#

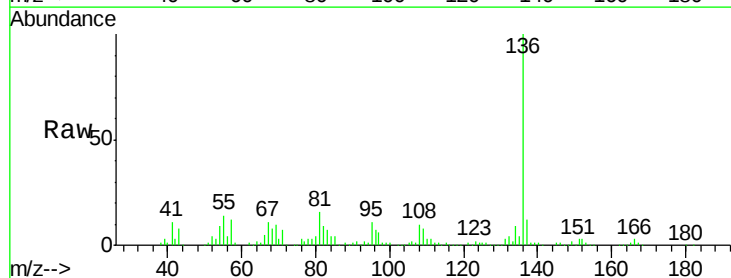


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

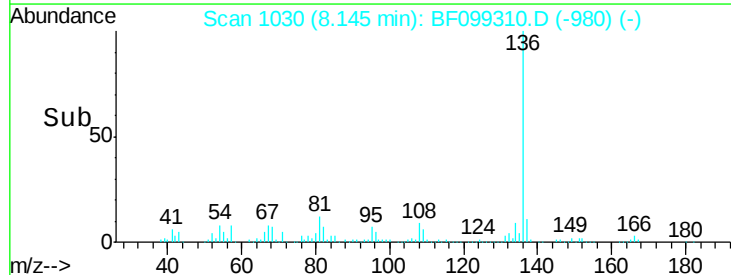
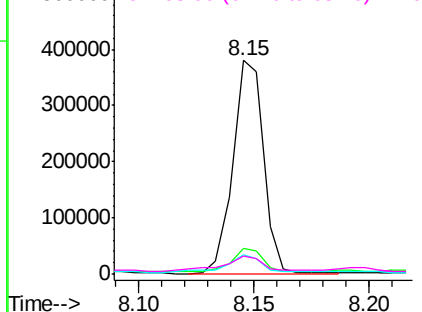


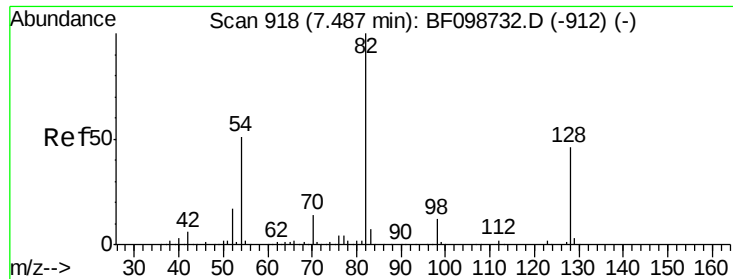
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099310.D
Acq: 10 Oct 2017 19:57

Tgt Ion:136 Resp: 352603
Ion Ratio Lower Upper
136 100
137 12.1 8.9 13.3
54 8.7 6.6 9.8
68 8.3 5.0 7.4#



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

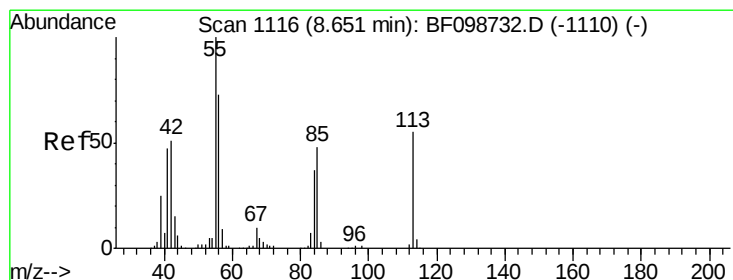
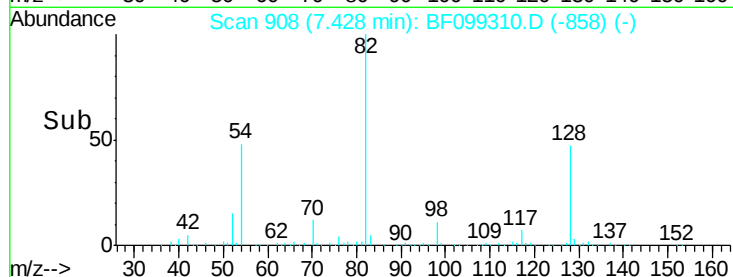
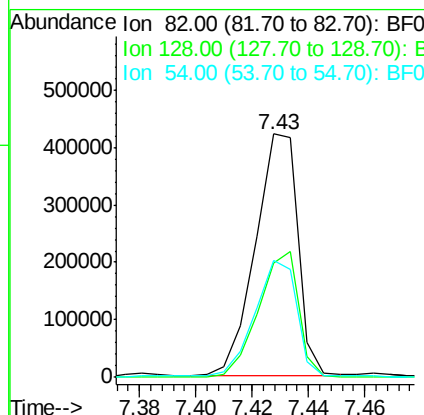
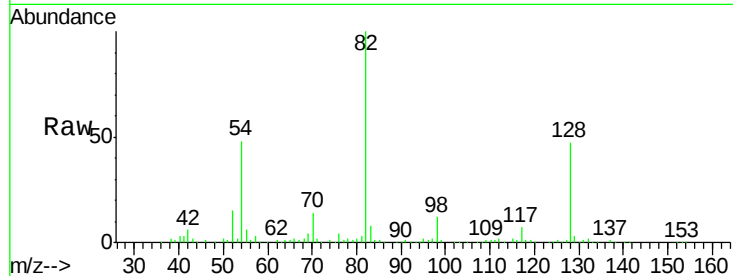




#23
Nitrobenzene-d5
Concen: 79.76 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099310.D
Acq: 10 Oct 2017 19:57

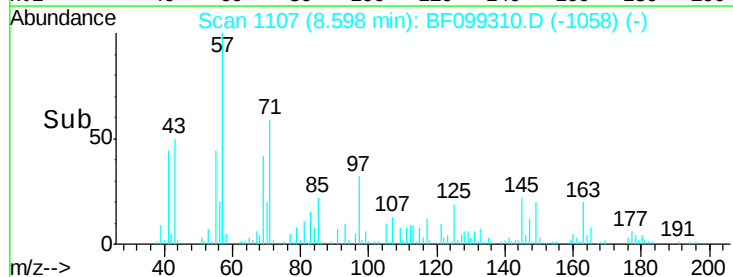
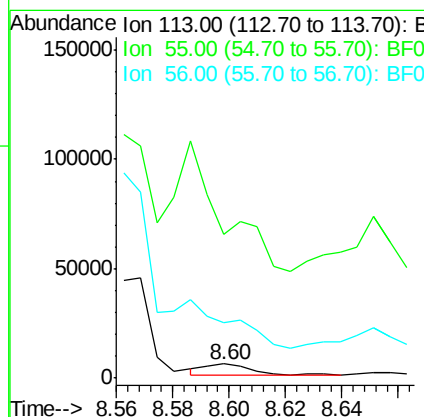
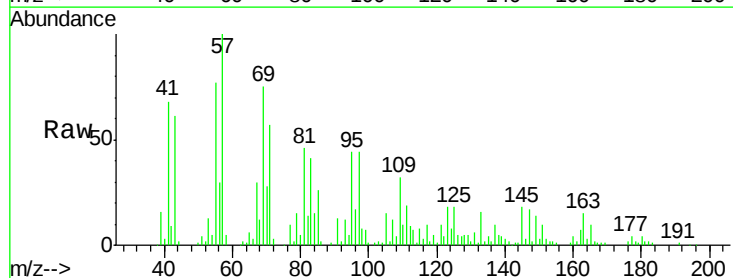
Instrument :
BNA_F
ClientSampleId :

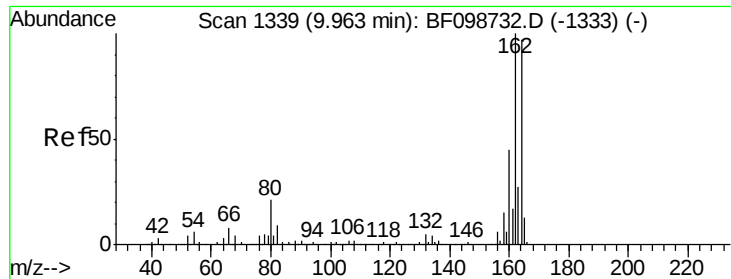
Tot Ion	82	Resp	438537
Ion Ratio	Lower	Upper	
82	100		
128	47.1	36.1	54.1
54	47.8	41.4	62.2



#35
Caprolactam
Concen: 4.08 ng
RT: 8.60 min Scan# 1107
Delta R.T. -0.01 min
Lab File: BF099310.D
Acq: 10 Oct 2017 19:57

Tgt Ion	113	Resp	6359
Ion Ratio	Lower	Upper	
113	100		
55	1032.9	163.3	203.3#
56	400.8	115.7	155.7#

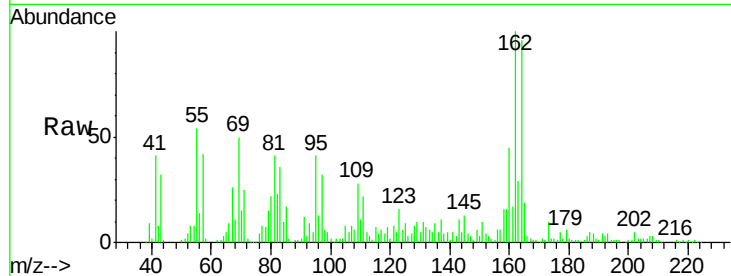




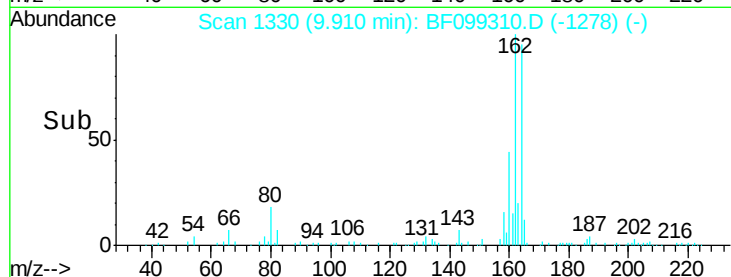
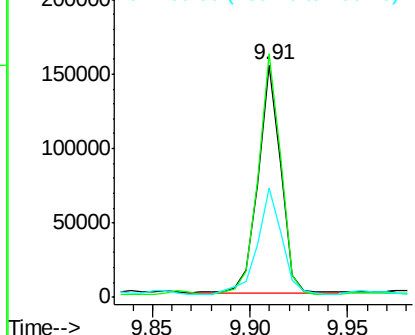
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: BF099310.D
 Acq: 10 Oct 2017 19:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 122098
 Ion Ratio Lower Upper
 164 100
 162 104.6 86.1 129.1
 160 46.7 38.3 57.5

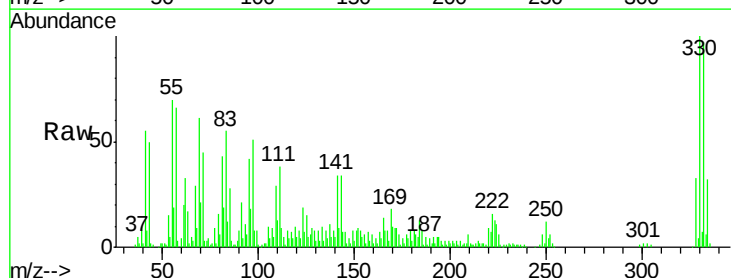


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

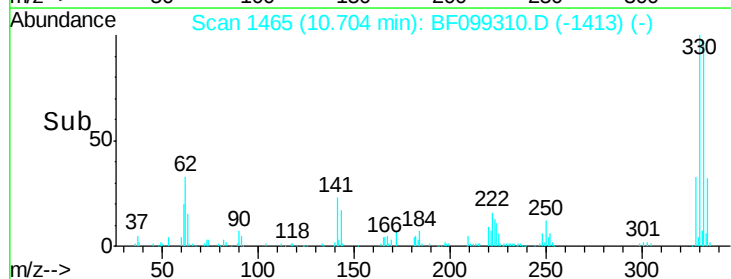
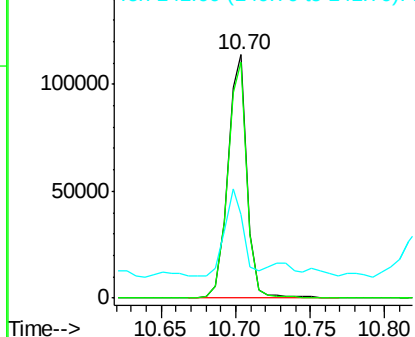


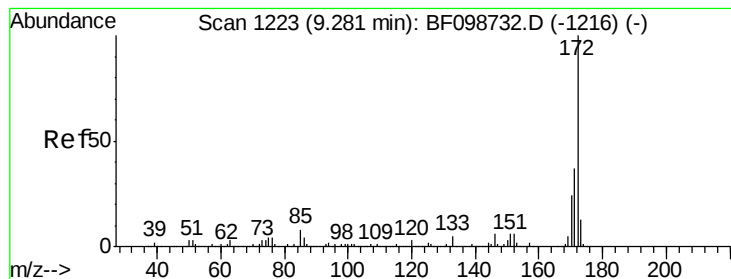
#41
 2,4,6-Tribromophenol
 Concen: 103.82 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.01 min
 Lab File: BF099310.D
 Acq: 10 Oct 2017 19:57

Tgt Ion:330 Resp: 103727
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.0 115.6
 141 34.5 29.9 44.9



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





#44

2-Fluorobiphenyl

Concen: 85.32 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.00 min

Lab File: BF099310.D

Acq: 10 Oct 2017 19:57

Instrument :

BNA_F

ClientSampleId :

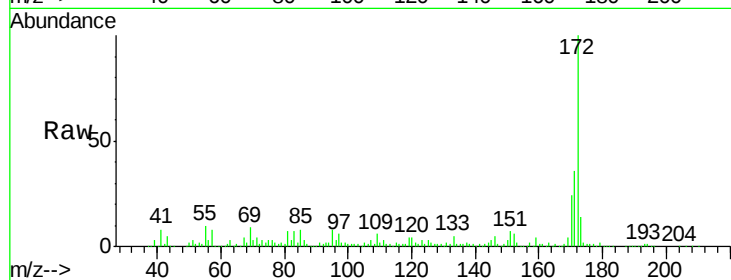
Tot Ion:172 Resp: 624029

Ion Ratio Lower Upper

172 100

171 35.9 29.7 44.5

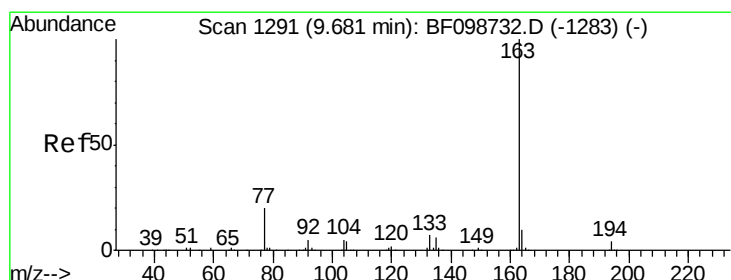
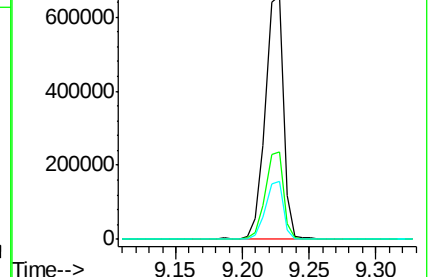
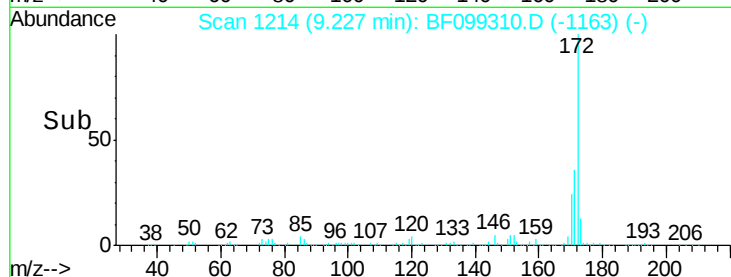
170 23.6 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 10.79 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF099310.D

Acq: 10 Oct 2017 19:57

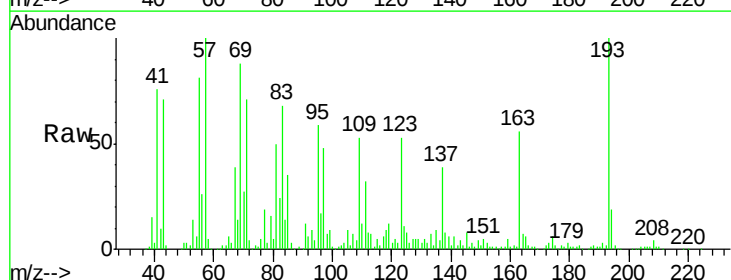
Tgt Ion:163 Resp: 99461

Ion Ratio Lower Upper

163 100

194 33.5 2.7 4.1#

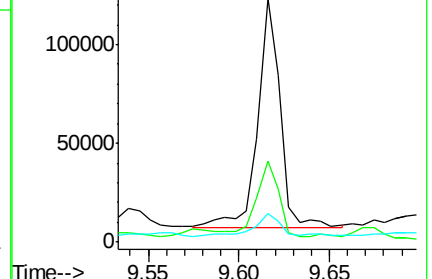
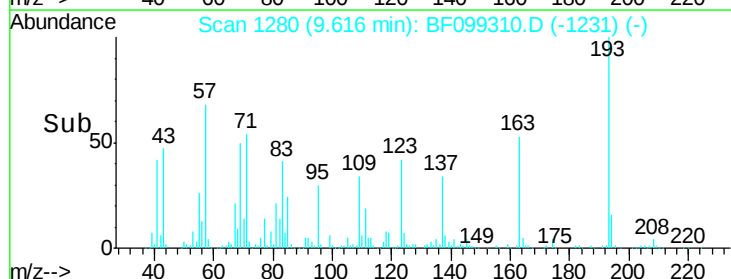
164 11.7 8.2 12.2

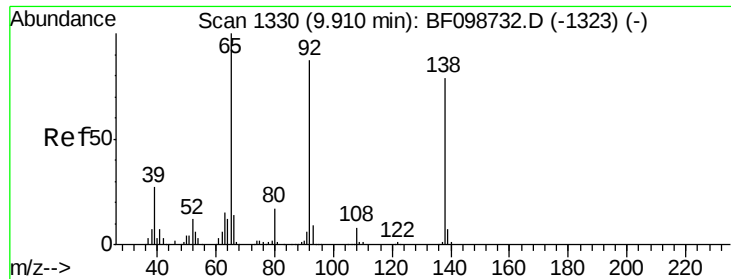


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

3-Nitroaniline

Concen: 4.63 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF099310.D

Acq: 10 Oct 2017 19:57

Instrument :

BNA_F

ClientSampleId :

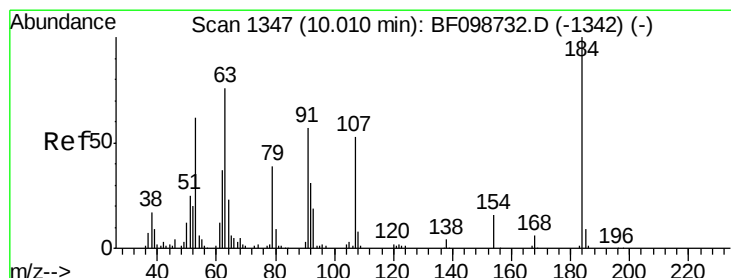
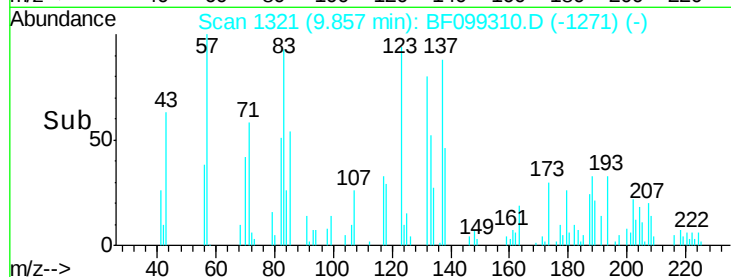
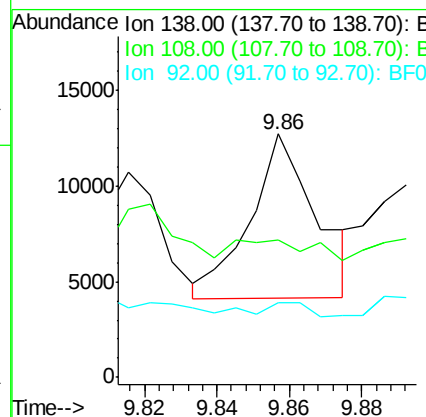
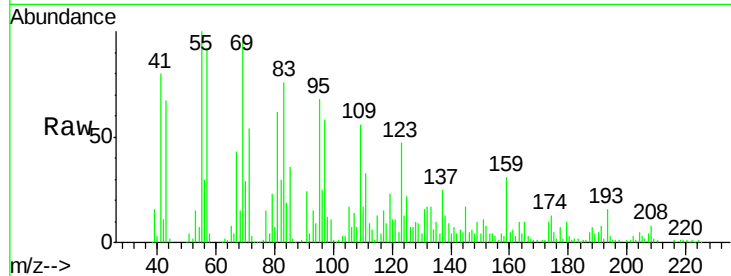
Tot Ion:138 Resp: 10829

Ion Ratio Lower Upper

138 100

108 56.2 9.4 14.0#

92 30.5 89.4 134.2#



#53

2,4-Dinitrophenol

Concen: 6.21 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.04 min

Lab File: BF099310.D

Acq: 10 Oct 2017 19:57

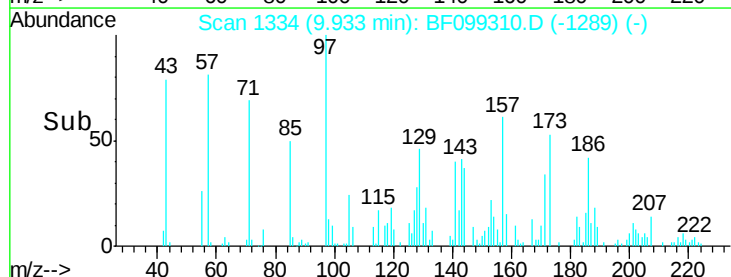
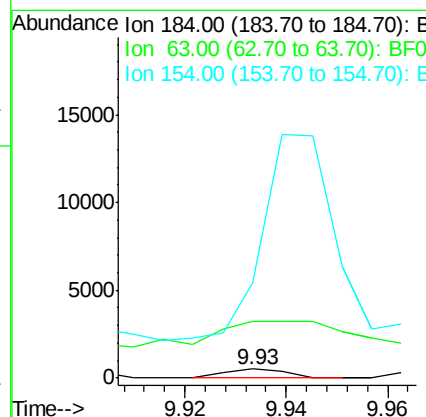
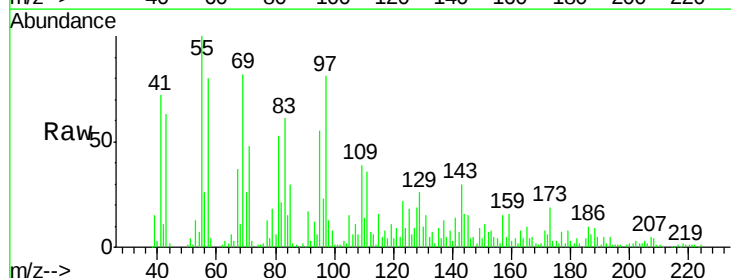
Tgt Ion:184 Resp: 429

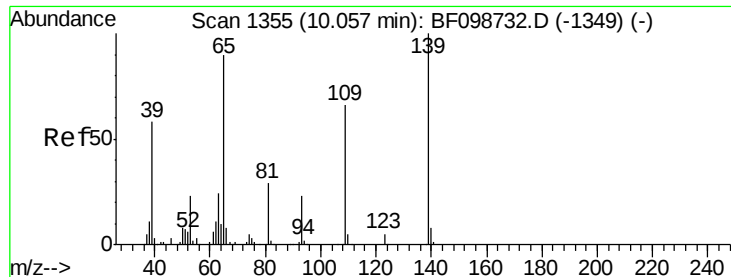
Ion Ratio Lower Upper

184 100

63 643.0 54.2 81.2#

154 1068.8 53.5 80.3#

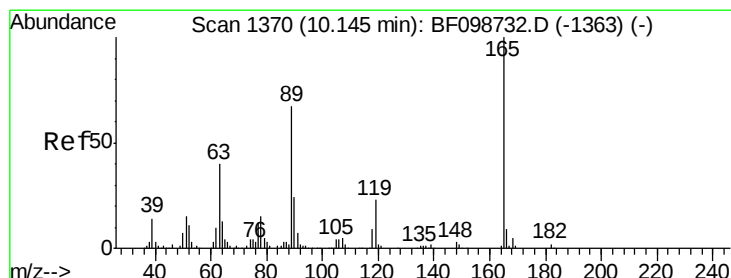
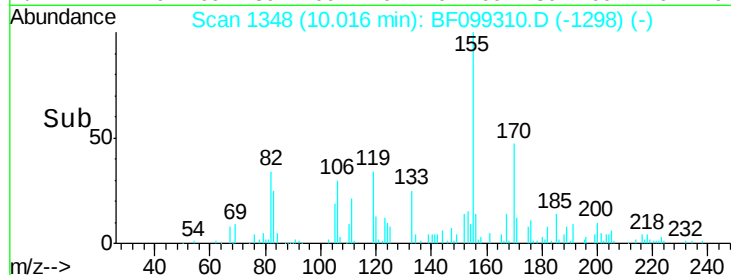
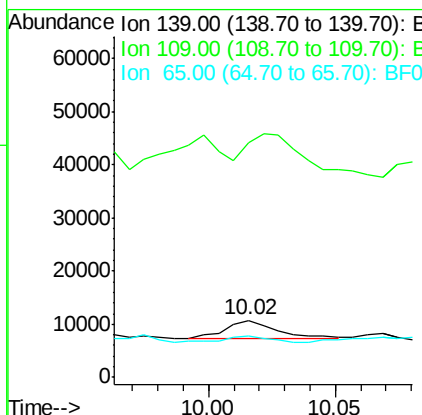
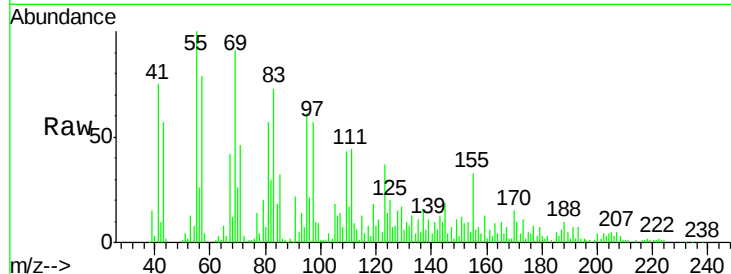




#55
4-Nitrophenol
Concen: 2.60 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF099310.D
Acq: 10 Oct 2017 19:57

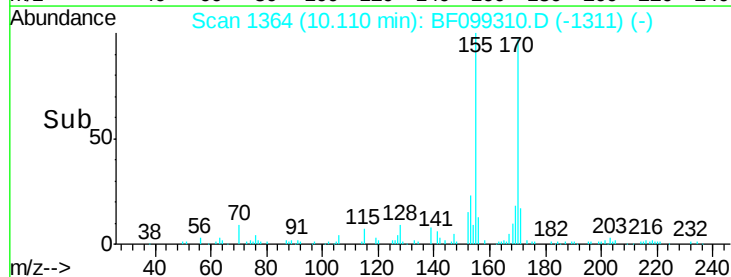
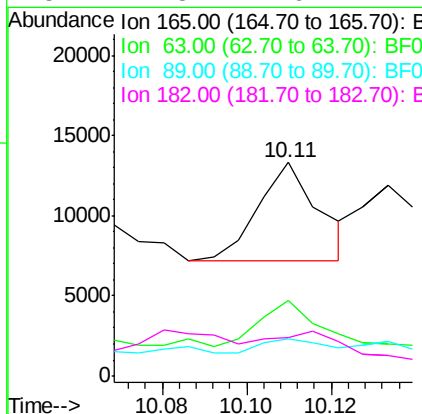
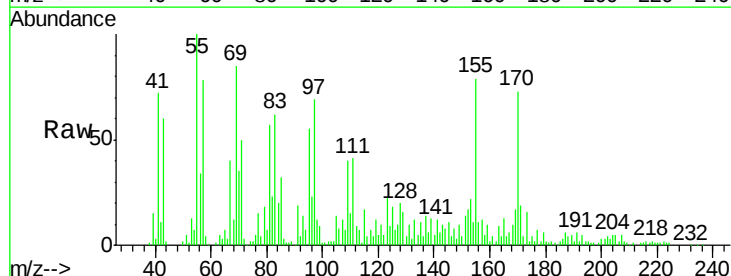
Instrument :
BNA_F
ClientSampleId :

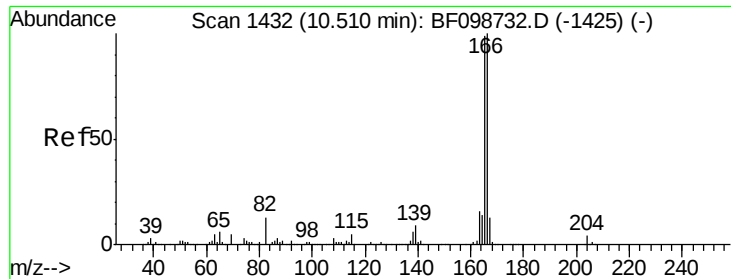
Tot Ion:139 Resp: 5134
Ion Ratio Lower Upper
139 100
109 411.1 48.4 88.4#
65 73.7 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 2.35 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BF099310.D
Acq: 10 Oct 2017 19:57

Tgt Ion:165 Resp: 6121
Ion Ratio Lower Upper
165 100
63 35.4 36.4 54.6#
89 17.5 57.8 86.6#
182 17.8 1.6 2.4#





#57

Fluorene

Concen: 2.87 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.00 min

Lab File: BF099310.D

Acq: 10 Oct 2017 19:57

Instrument :

BNA_F

ClientSampleId :

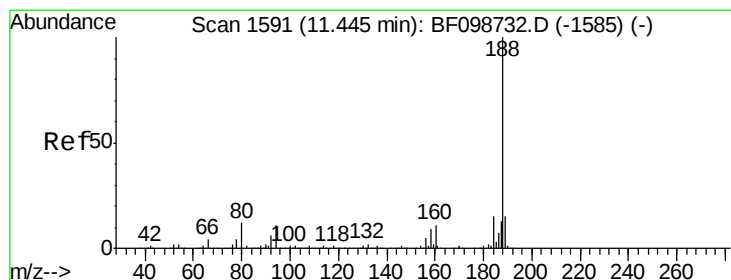
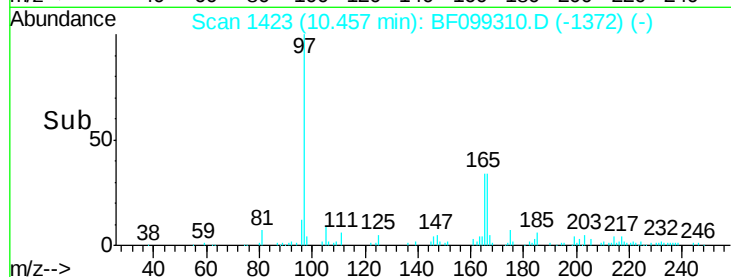
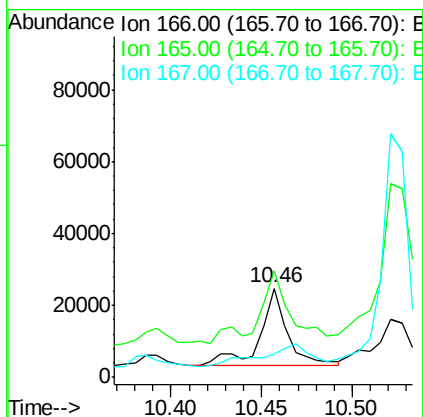
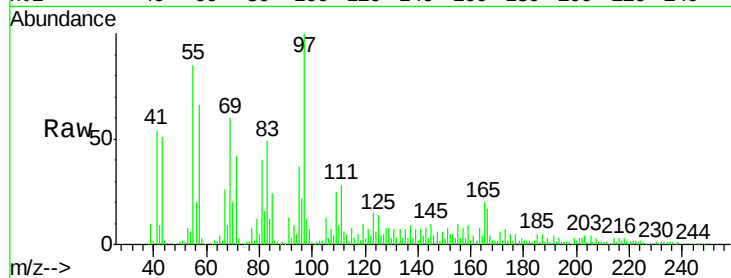
Tot Ion:166 Resp: 23468

Ion Ratio Lower Upper

166 100

165 119.6 79.8 119.8

167 25.8 10.6 16.0#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF099310.D

Acq: 10 Oct 2017 19:57

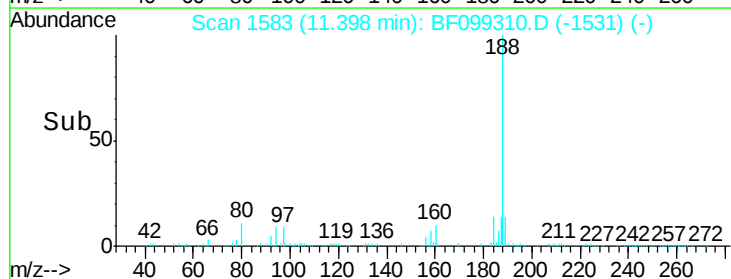
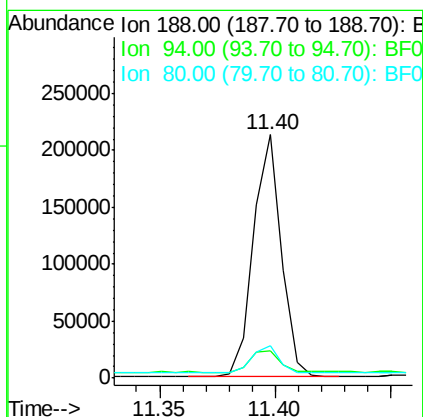
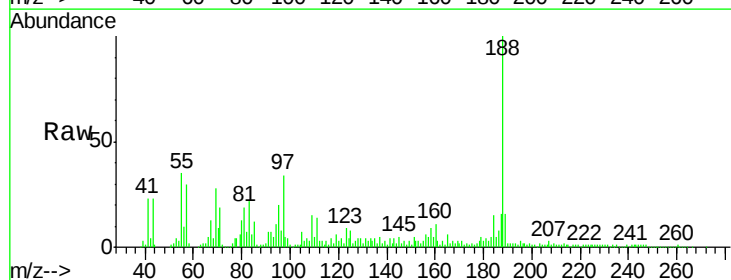
Tgt Ion:188 Resp: 180191

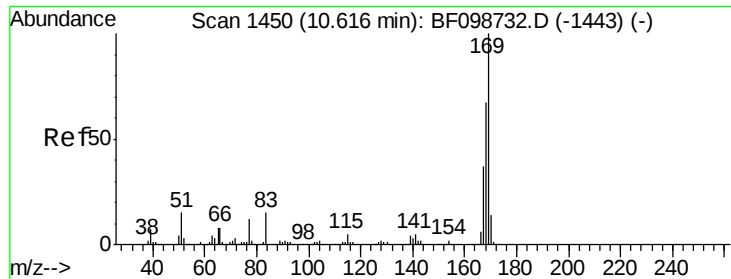
Ion Ratio Lower Upper

188 100

94 11.5 8.5 12.7

80 13.3 9.2 13.8





#65

n-Nitrosodiphenylamine

Concen: 11.92 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BF099310.D

Acq: 10 Oct 2017 19:57

Instrument :

BNA_F

ClientSampled :

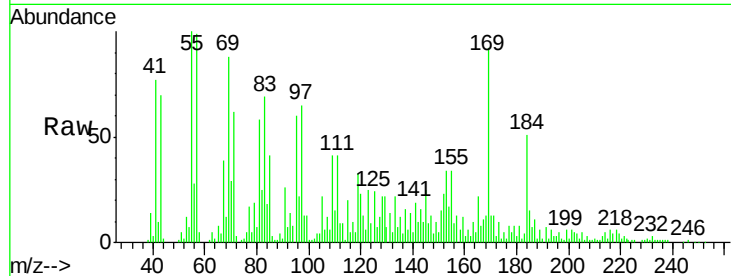
Tot Ion:169 Resp: 74430

Ion Ratio Lower Upper

169 100

168 13.7 54.4 81.6#

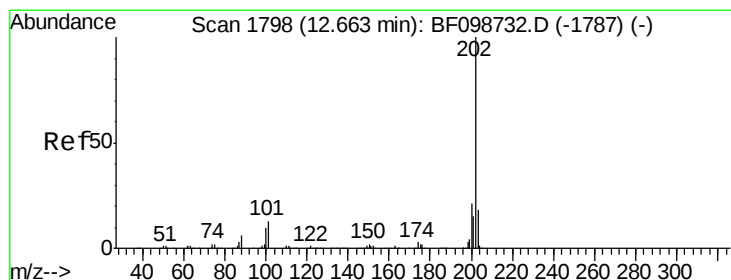
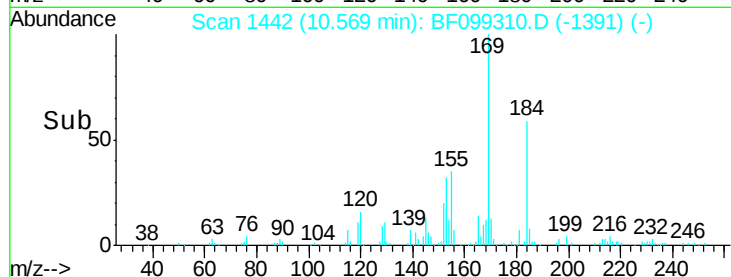
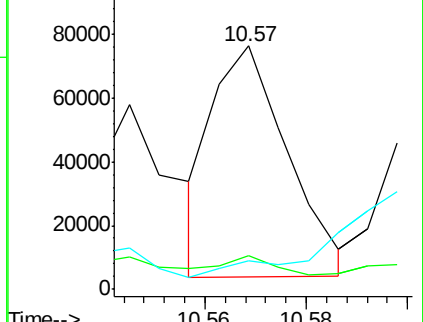
167 12.0 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#74

Fluoranthene

Concen: 2.57 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.23 min

Lab File: BF099310.D

Acq: 10 Oct 2017 19:57

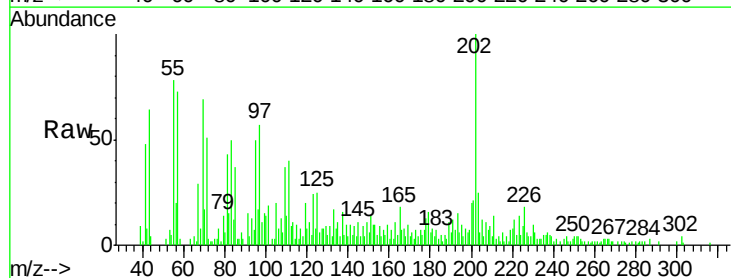
Tgt Ion:202 Resp: 25123

Ion Ratio Lower Upper

202 100

101 18.5 0.0 34.1

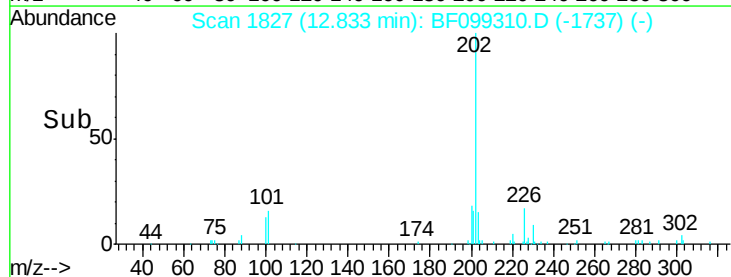
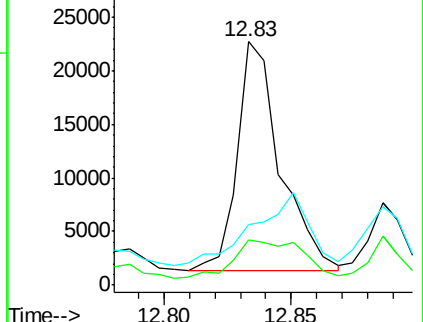
203 24.8 0.0 38.1

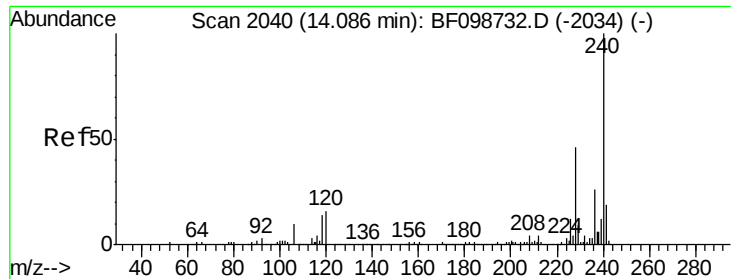


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099310.D

Acq: 10 Oct 2017 19:57

Instrument :

BNA_F

ClientSampled :

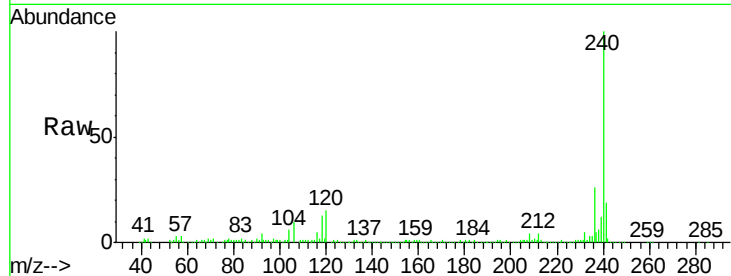
Tot Ion:240 Resp: 189449

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

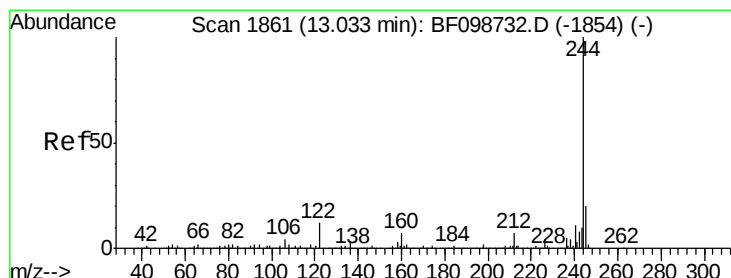
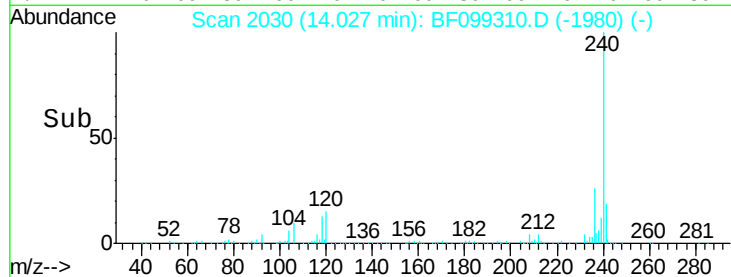
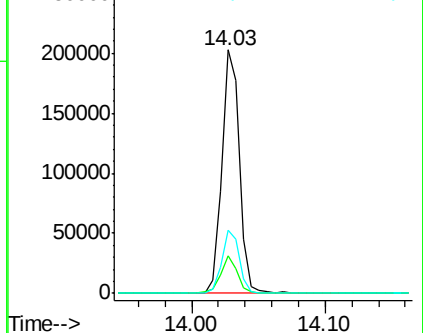
236 26.0 20.7 31.1



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: 52.74 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BF099310.D

Acq: 10 Oct 2017 19:57

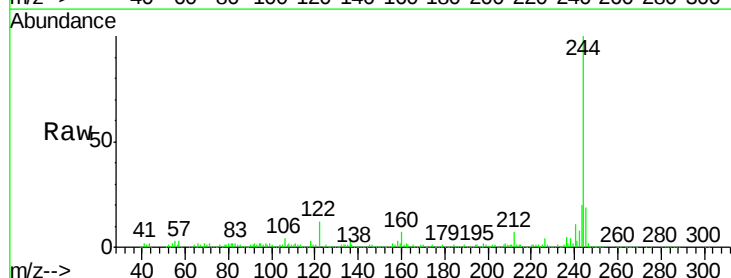
Tgt Ion:244 Resp: 439354

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

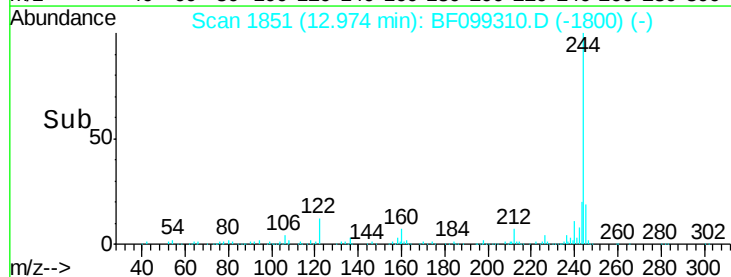
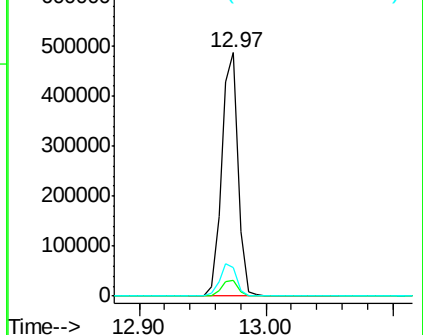
122 11.8 11.0 16.4

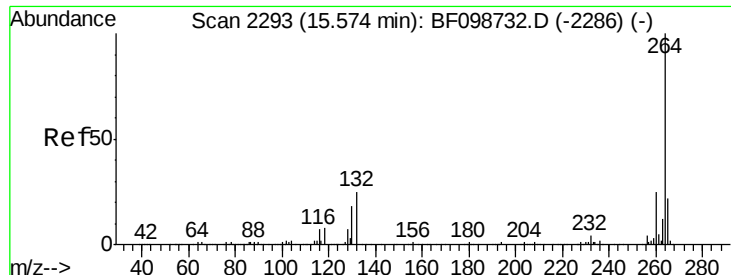


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

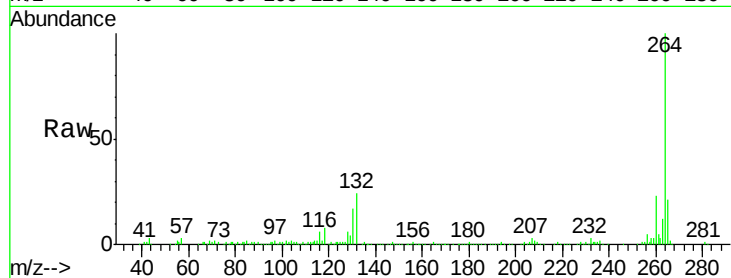




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF099310.D
Acq: 10 Oct 2017 19:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	20.7	17.5	26.3



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

