

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109101.D
 Acq On : 18 Sep 2018 17:47
 Operator : JU/SJ
 Sample : J4944-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 04:01:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

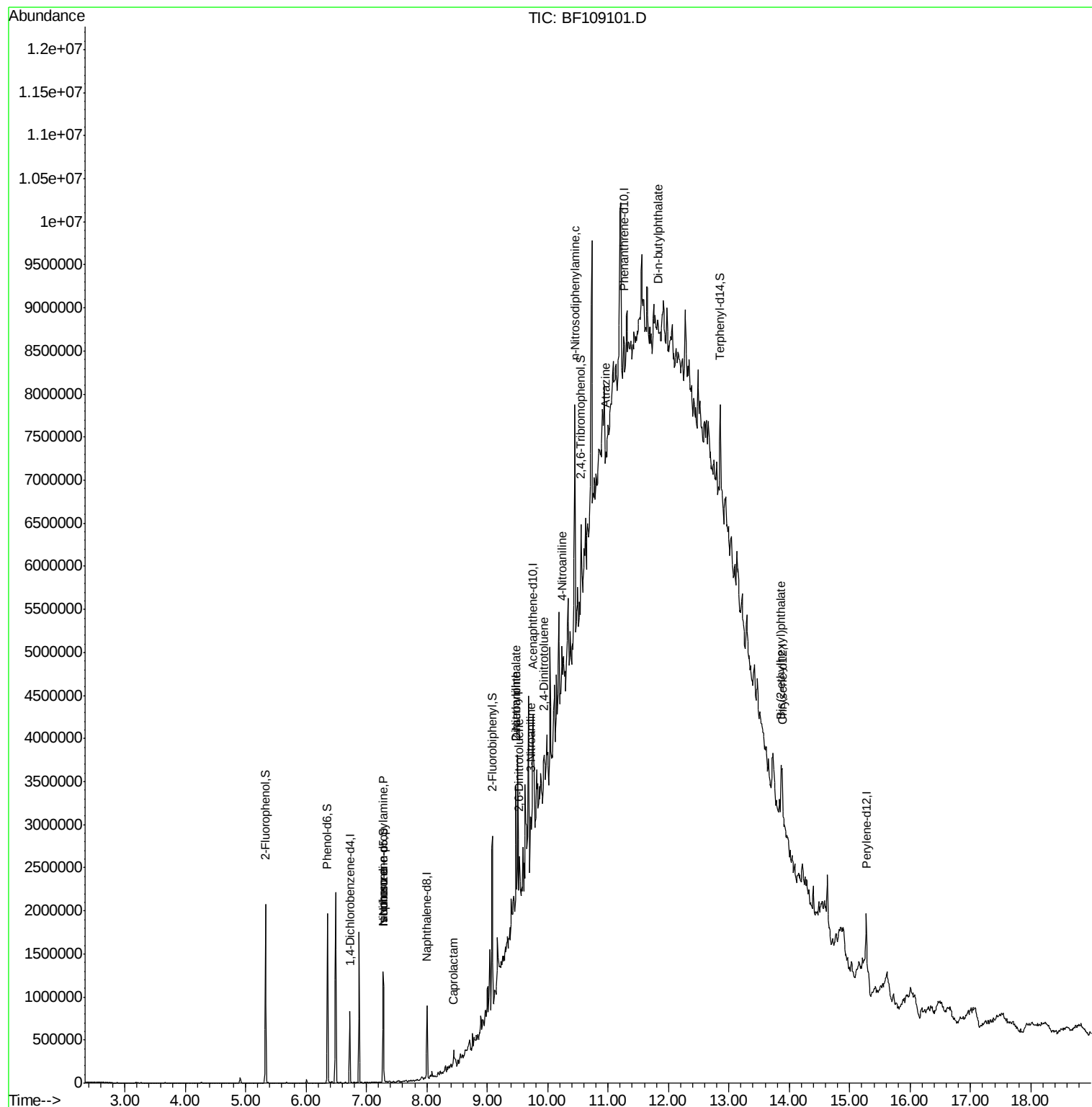
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	112663	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	370416	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	121017	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	149476	20.00	ng	0.03
75) Chrysene-d12	13.88	240	258984	20.00	ng	0.02
86) Perylene-d12	15.28	264	311487	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	553140	81.54	ng	0.00
7) Phenol-d6	6.35	99	698815	79.89	ng	0.00
23) Nitrobenzene-d5	7.28	82	417038	63.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	104876	79.85	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	589904	76.37	ng	0.00
78) Terphenyl-d14	12.85	244	436982	39.99	ng	0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	57276	9.907	ng	# 78
25) Isophorone	7.28	82	417035	36.736	ng	# 64
35) Caprolactam	8.45	113	4085	2.358	ng	# 1
47) 2-Nitroaniline	9.48	65	6830	2.865	ng	# 88
49) Dimethylphthalate	9.47	163	74141	8.572	ng	# 76
50) 2,6-Dinitrotoluene	9.54	165	23259	12.126	ng	# 31
52) 3-Nitroaniline	9.72	138	13042	5.774	ng	# 23
56) 2,4-Dinitrotoluene	9.94	165	8588	3.423	ng	# 42
61) 4-Nitroaniline	10.24	138	28018	13.056	ng	# 88
65) n-Nitrosodiphenylamine	10.45	169	39120	8.001	ng	# 55
68) Atrazine	10.97	200	3261	2.083	ng	# 1
73) Di-n-butylphthalate	11.84	149	72199	8.388	ng	# 39
83) Bis(2-ethylhexyl)phthalate	13.87	149	216040	20.766	ng	# 98

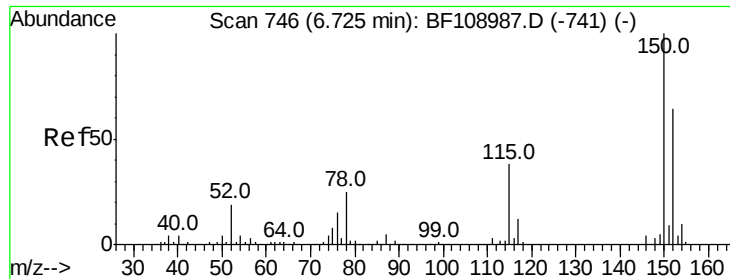
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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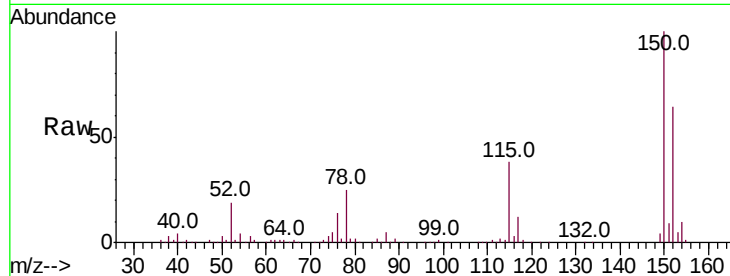


#1

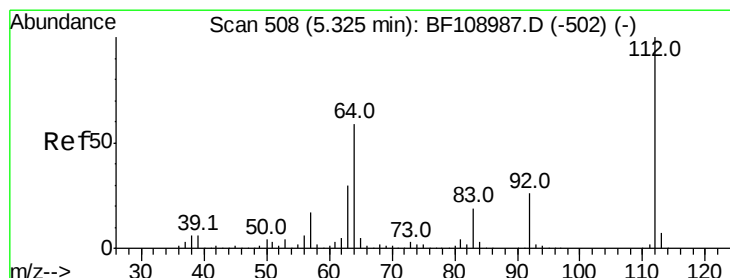
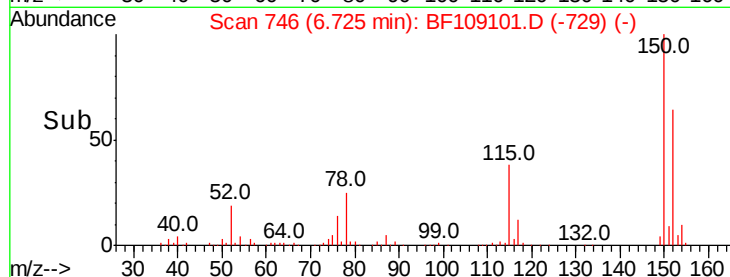
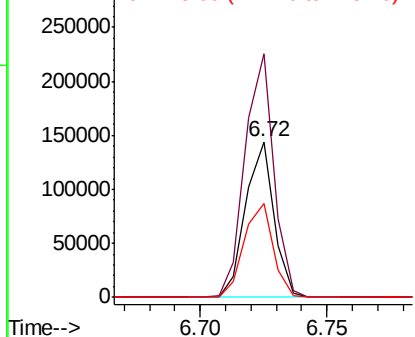
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF109101.D
Acq: 18 Sep 2018 17:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 112663
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 60.1 50.1 75.1



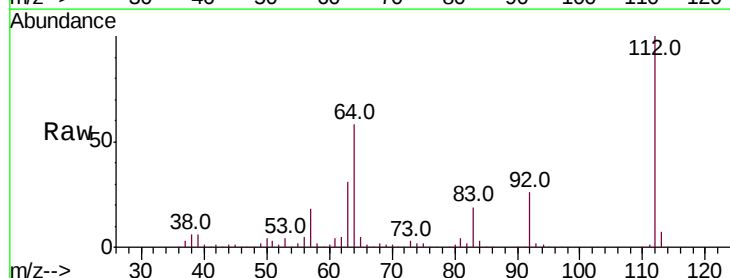
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



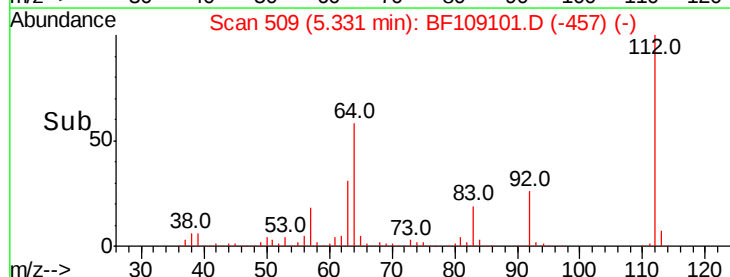
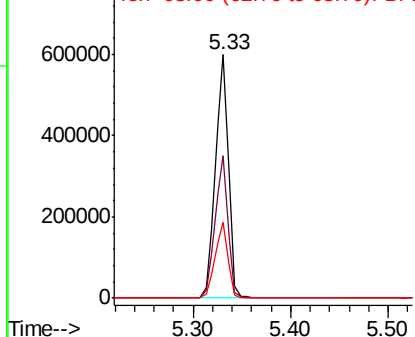
#5

2-Fluorophenol
Concen: 81.544 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109101.D
Acq: 18 Sep 2018 17:47

Tgt Ion:112 Resp: 553140
Ion Ratio Lower Upper
112 100
64 58.3 47.9 71.9
63 31.1 23.7 35.5



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





#7

Phenol-d6

Concen: 79.894 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109101.D

Acq: 18 Sep 2018 17:47

Instrument :

BNA_F

ClientSampleId :

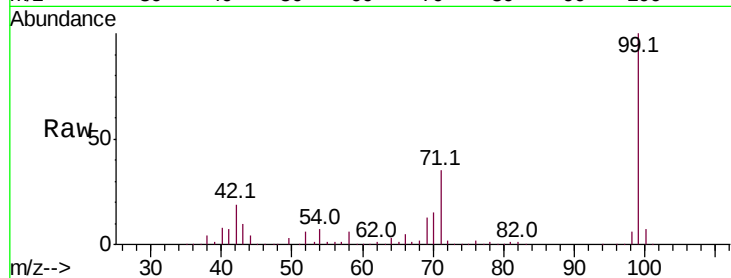
Tot Ion: 99 Resp: 698815

Ion Ratio Lower Upper

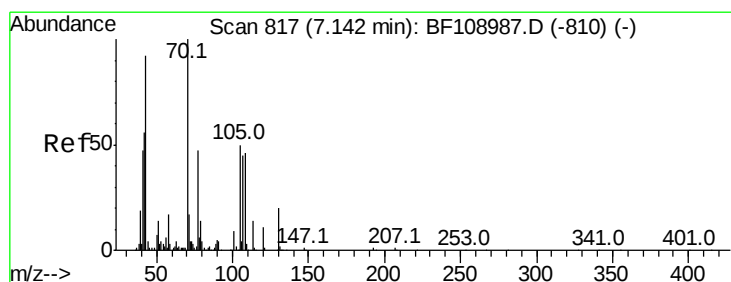
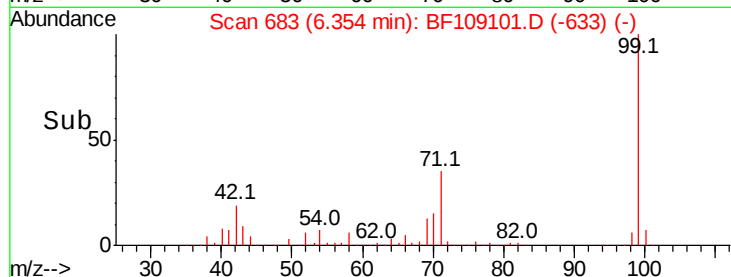
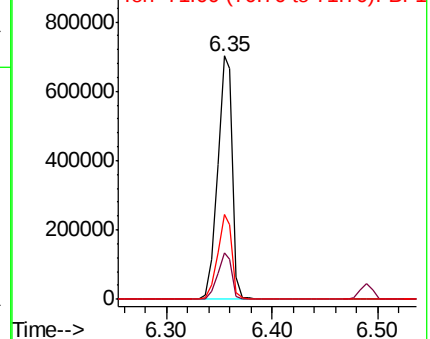
99 100

42 19.2 14.5 21.7

71 35.1 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.907 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109101.D

Acq: 18 Sep 2018 17:47

Tgt Ion: 70 Resp: 57276

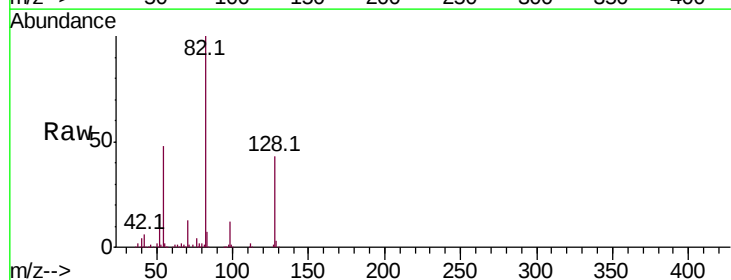
Ion Ratio Lower Upper

70 100

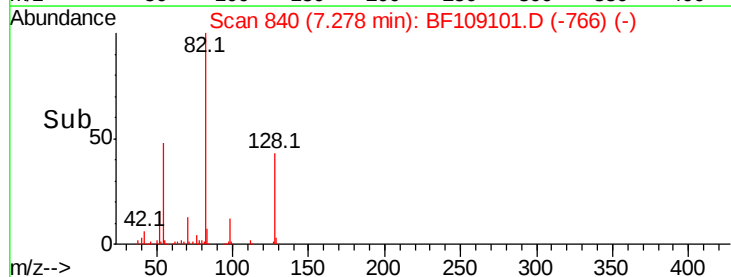
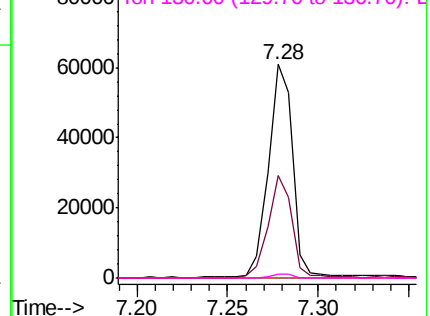
42 48.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

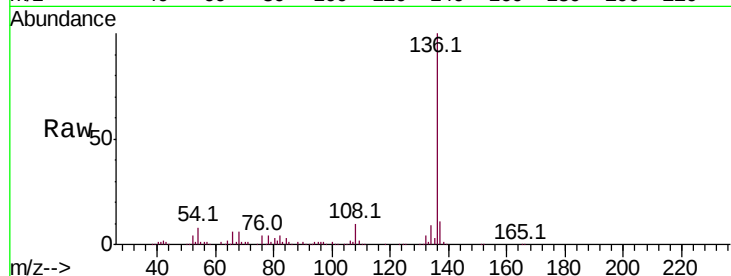




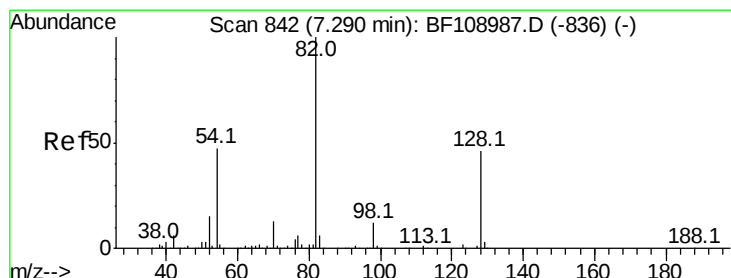
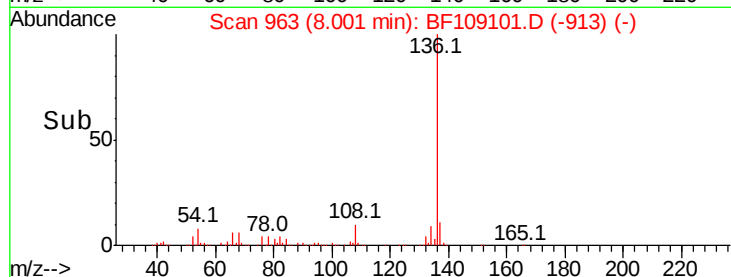
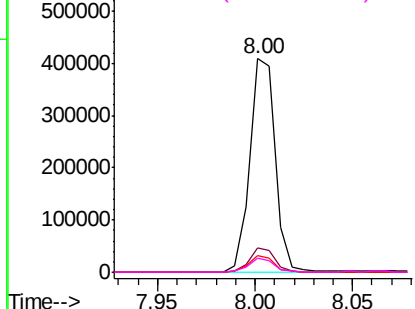
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109101.D
Acq: 18 Sep 2018 17:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	370416
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.9	6.6	9.8
68	6.5	5.0	7.4

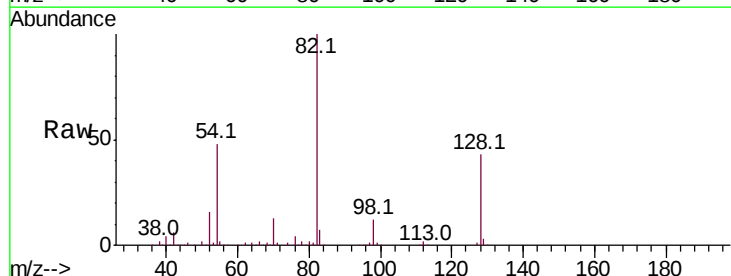


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

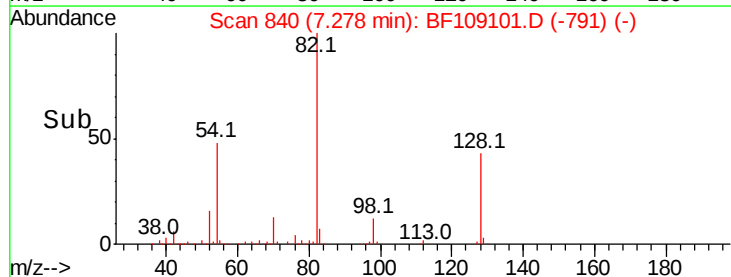
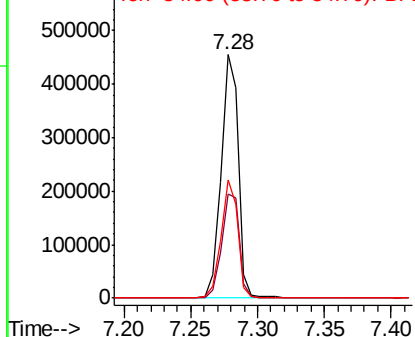


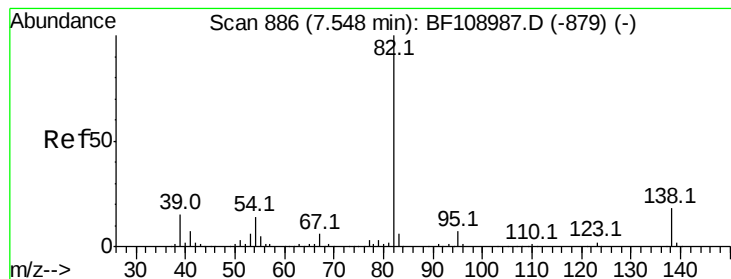
#23
Nitrobenzene-d5
Concen: 63.148 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109101.D
Acq: 18 Sep 2018 17:47

Tgt Ion:	82	Resp:	417038
Ion	Ratio	Lower	Upper
82	100		
128	42.5	36.1	54.1
54	48.5	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.736 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109101.D

Acq: 18 Sep 2018 17:47

Instrument :

BNA_F

ClientSampleId :

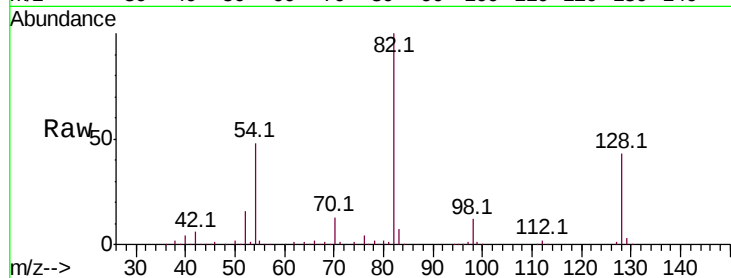
Tot Ion: 82 Resp: 417035

Ion Ratio Lower Upper

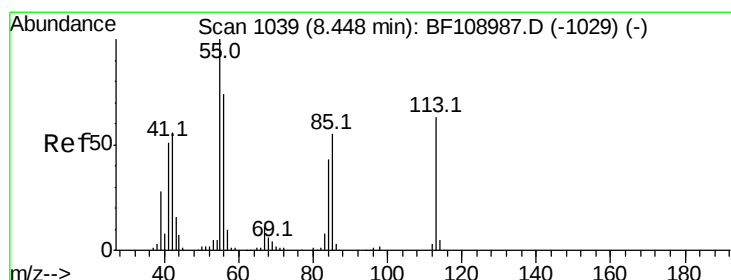
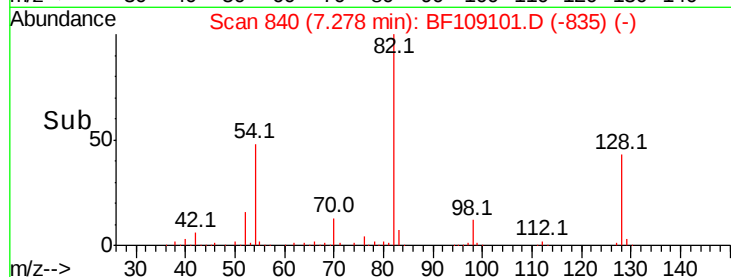
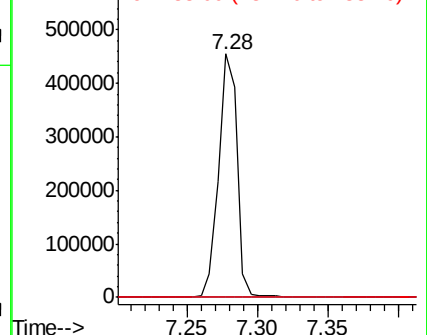
82 100

95 0.2 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#35

Caprolactam

Concen: 2.358 ng

RT: 8.45 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF109101.D

Acq: 18 Sep 2018 17:47

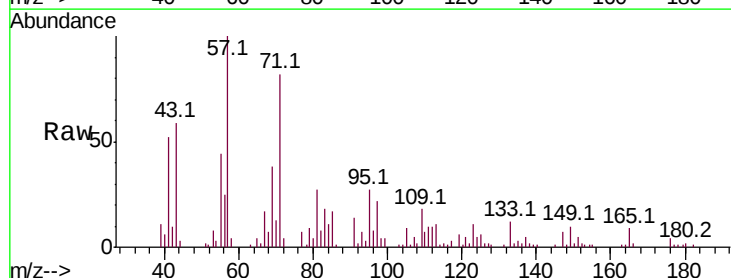
Tgt Ion: 113 Resp: 4085

Ion Ratio Lower Upper

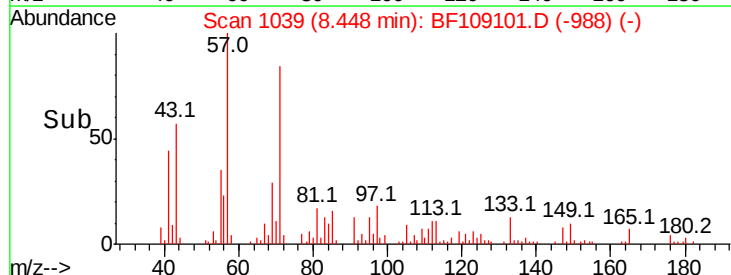
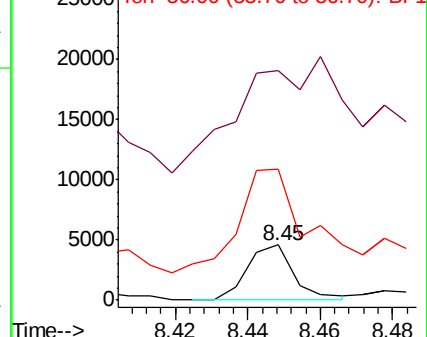
113 100

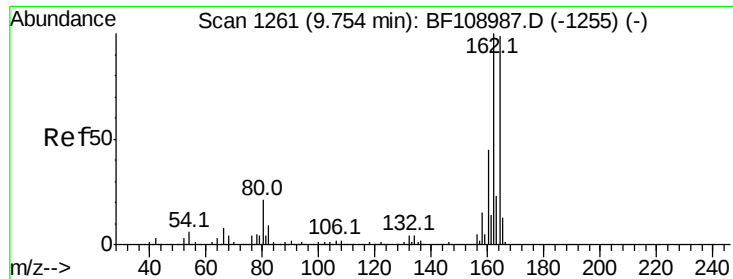
55 416.9 163.3 203.3#

56 236.6 115.7 155.7#



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

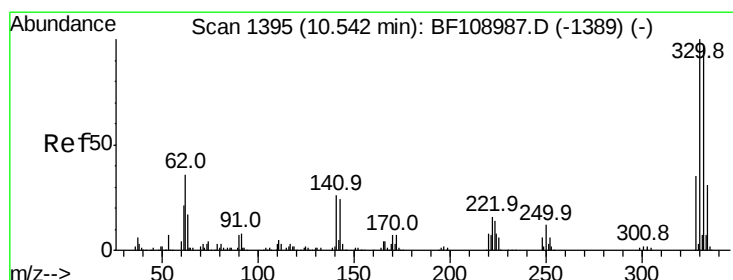
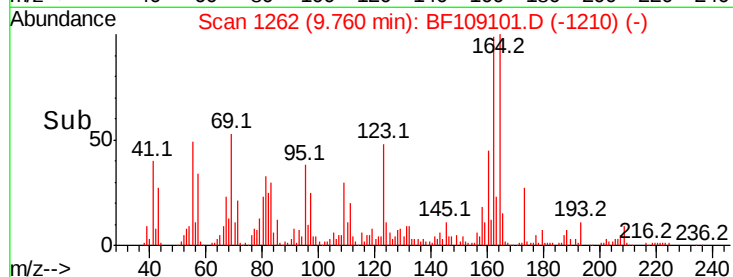
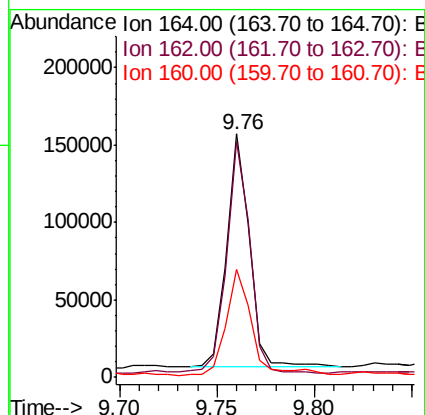
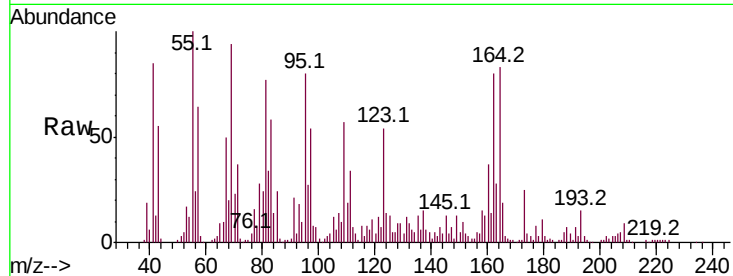




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BF109101.D
Acq: 18 Sep 2018 17:47

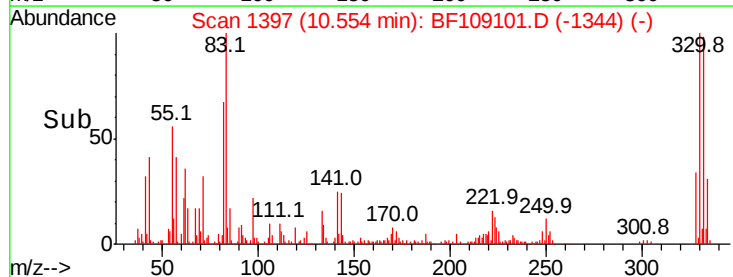
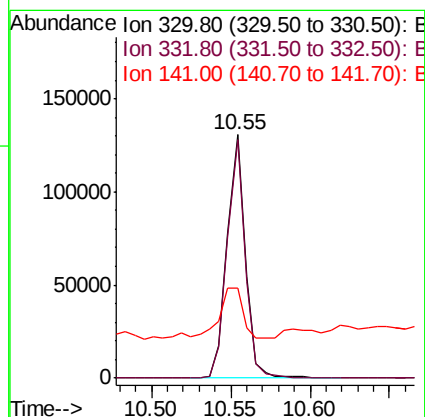
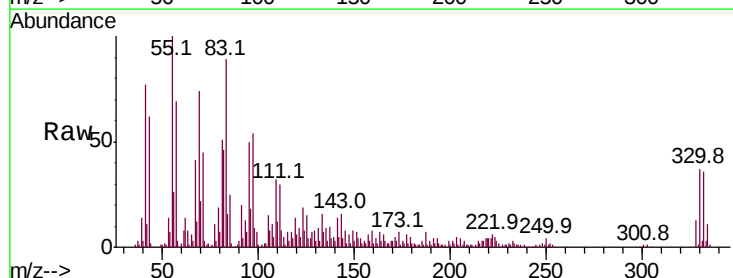
Instrument :
BNA_F
ClientSampleId :

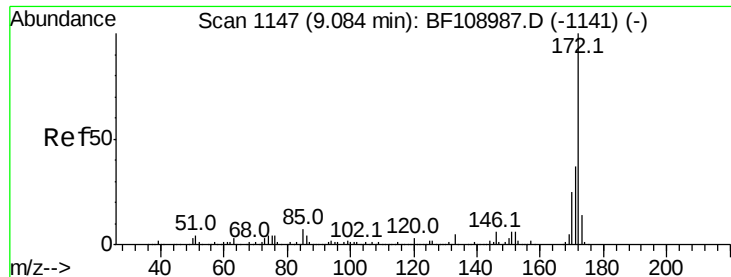
Tot Ion:164 Resp: 121017
Ion Ratio Lower Upper
164 100
162 97.1 86.1 129.1
160 44.3 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 79.853 ng
RT: 10.55 min Scan# 1397
Delta R.T. 0.01 min
Lab File: BF109101.D
Acq: 18 Sep 2018 17:47

Tgt Ion:330 Resp: 104876
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 27.6 29.9 44.9#





#44

2-Fluorobiphenyl

Concen: 76.371 ng

RT: 9.08 min Scan# 1147

Delta R.T. 0.00 min

Lab File: BF109101.D

Acq: 18 Sep 2018 17:47

Instrument :

BNA_F

ClientSampleId :

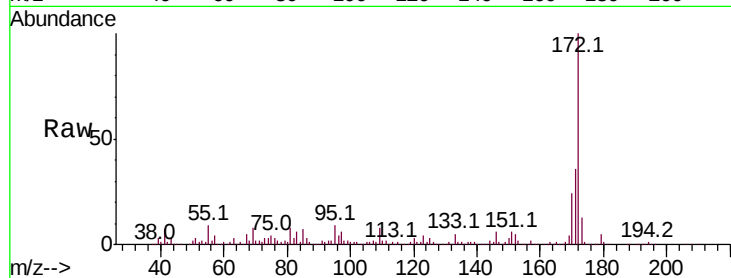
Tot Ion:172 Resp: 589904

Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

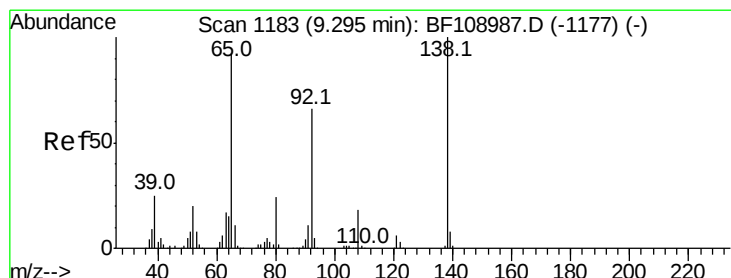
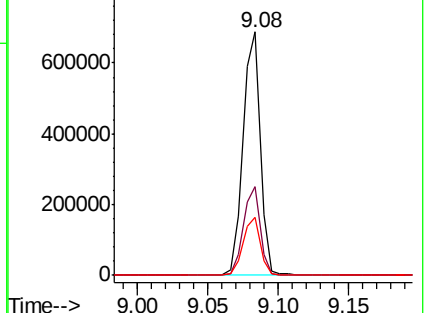
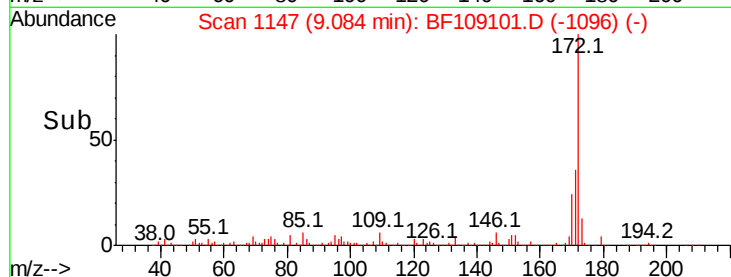
170 23.7 19.6 29.4



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



#47

2-Nitroaniline

Concen: 2.865 ng

RT: 9.48 min Scan# 1214

Delta R.T. 0.18 min

Lab File: BF109101.D

Acq: 18 Sep 2018 17:47

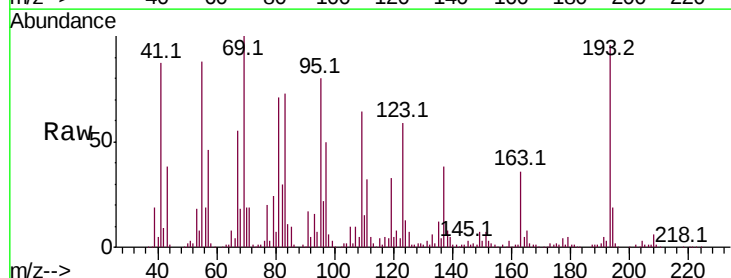
Tgt Ion: 65 Resp: 6830

Ion Ratio Lower Upper

65 100

92 60.3 55.8 83.6

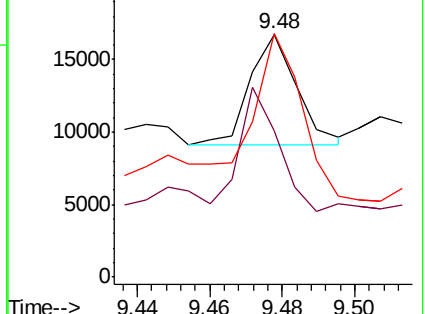
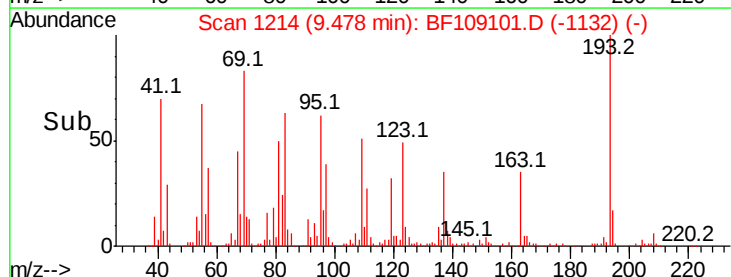
138 100.3 91.2 136.8

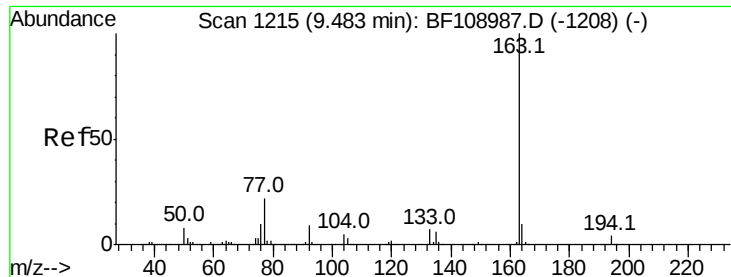


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 8.572 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF109101.D

Acq: 18 Sep 2018 17:47

Instrument :

BNA_F

ClientSampleId :

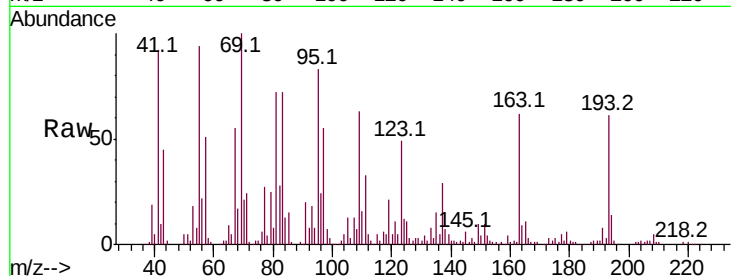
Tot Ion:163 Resp: 74141

Ion Ratio Lower Upper

163 100

194 22.6 2.7 4.1#

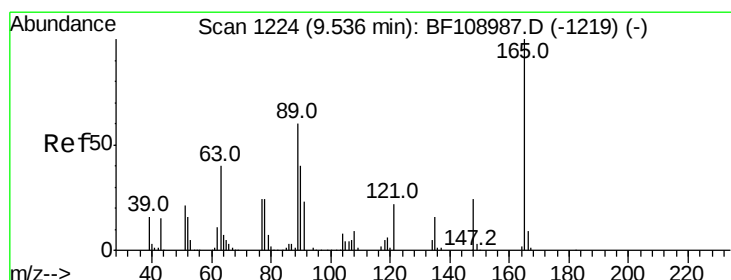
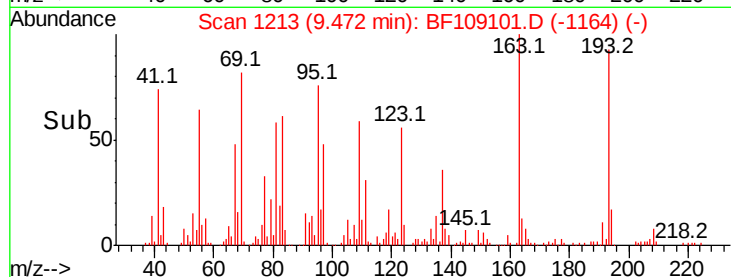
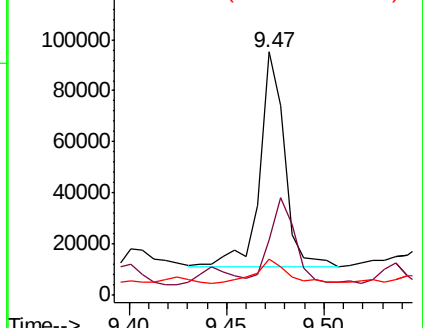
164 15.0 8.2 12.2#



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



#50

2,6-Dinitrotoluene

Concen: 12.126 ng

RT: 9.54 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BF109101.D

Acq: 18 Sep 2018 17:47

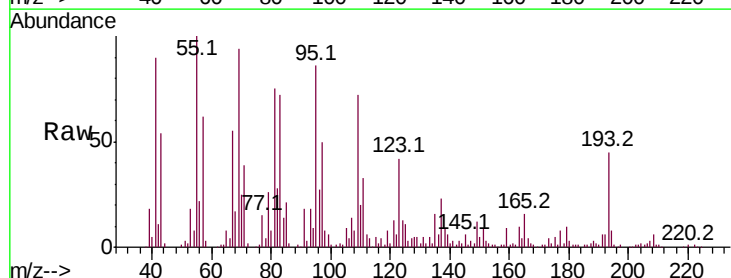
Tgt Ion:165 Resp: 23259

Ion Ratio Lower Upper

165 100

63 5.9 44.7 67.1#

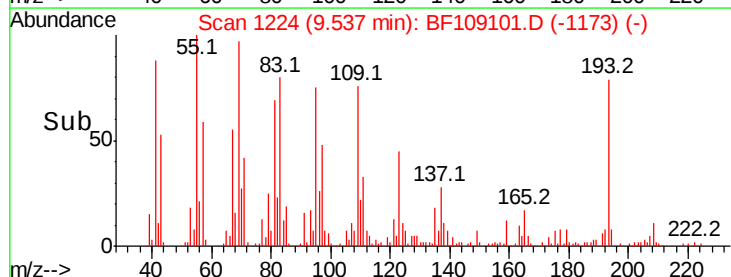
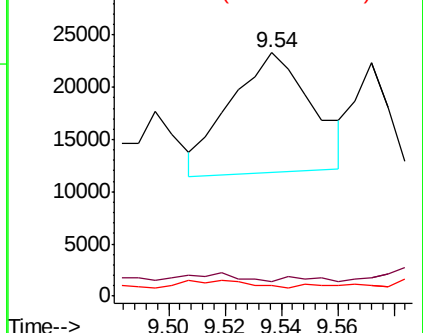
89 4.4 44.0 66.0#

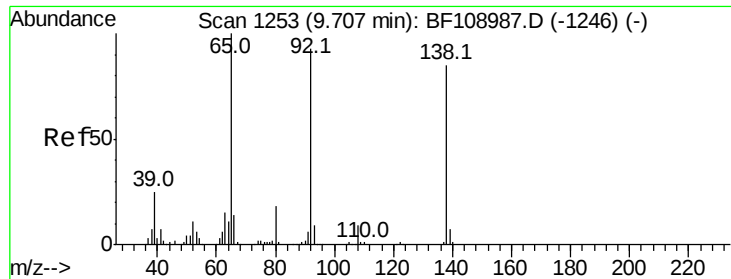


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

3-Nitroaniline

Concen: 5.774 ng

RT: 9.72 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF109101.D

Acq: 18 Sep 2018 17:47

Instrument :

BNA_F

ClientSampleId :

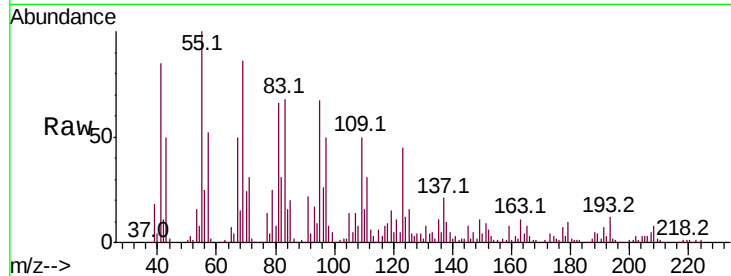
Tot Ion:138 Resp: 13042

Ion Ratio Lower Upper

138 100

108 74.1 9.4 14.0#

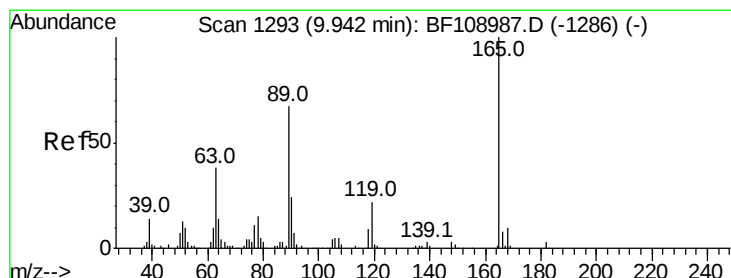
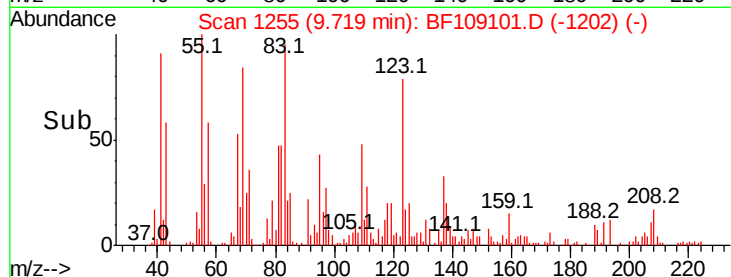
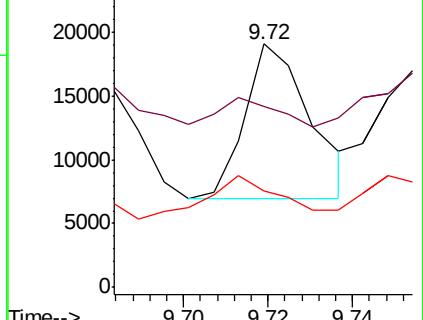
92 39.7 89.4 134.2#



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): BF1



#56

2,4-Dinitrotoluene

Concen: 3.423 ng

RT: 9.94 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF109101.D

Acq: 18 Sep 2018 17:47

Tgt Ion:165 Resp: 8588

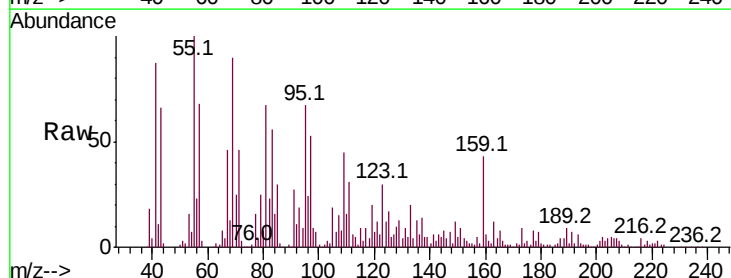
Ion Ratio Lower Upper

165 100

63 19.0 36.4 54.6#

89 14.7 57.8 86.6#

182 17.7 1.6 2.4#

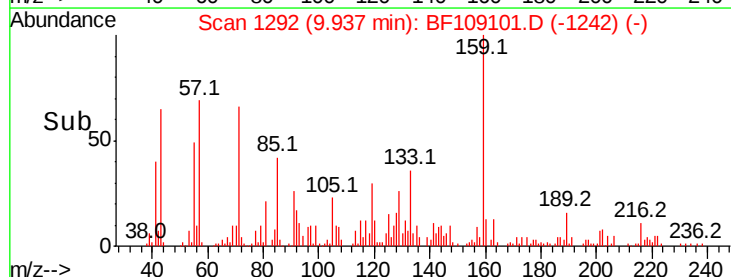
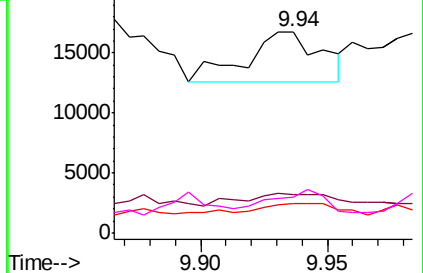


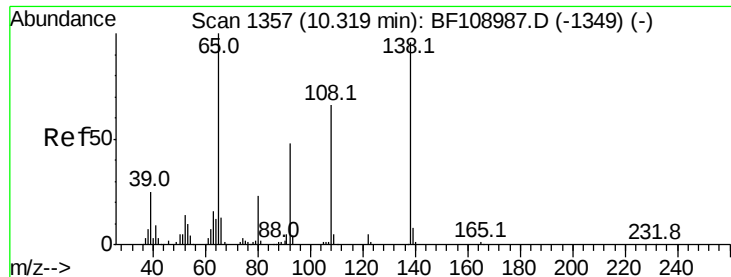
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

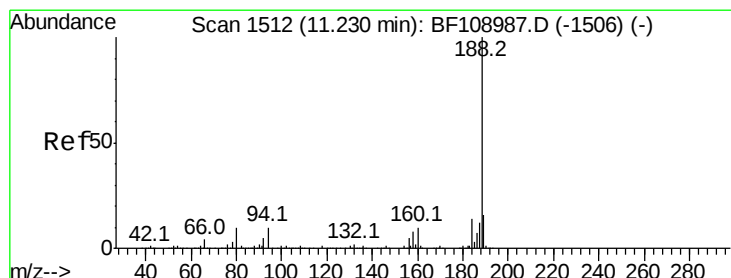
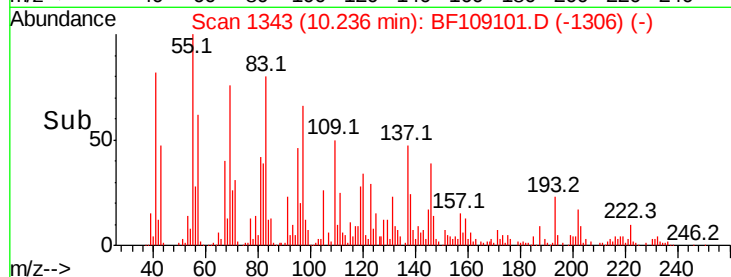
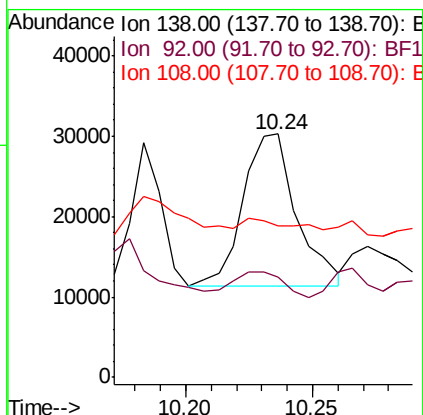
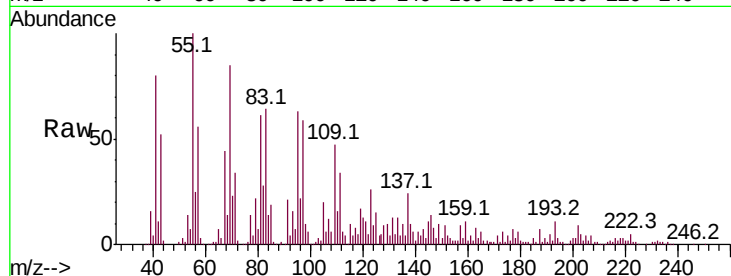




#61
4-Nitroaniline
Concen: 13.056 ng
RT: 10.24 min Scan# 1343
Delta R.T. -0.08 min
Lab File: BF109101.D
Acq: 18 Sep 2018 17:47

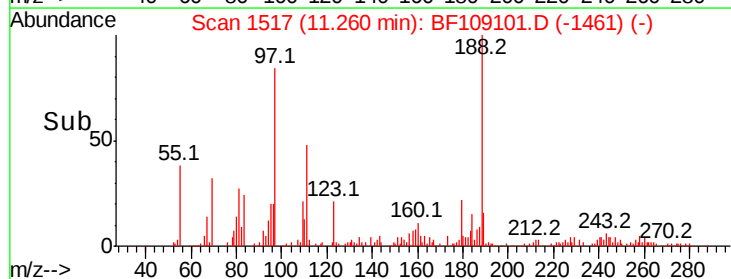
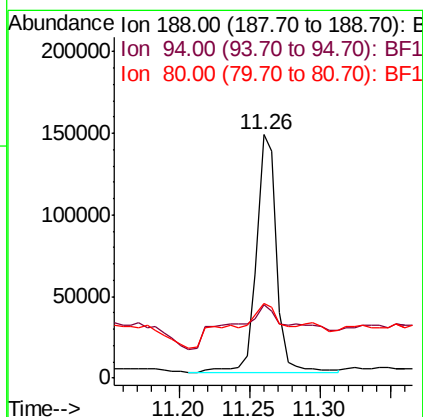
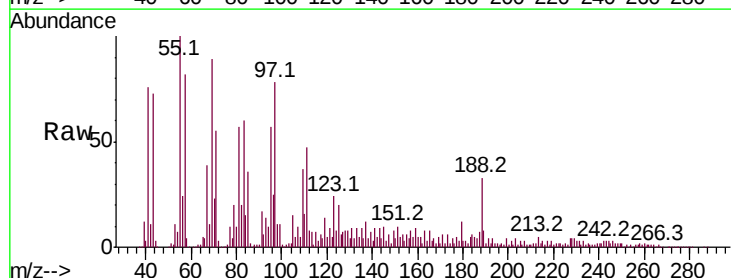
Instrument :
BNA_F
ClientSampleId :

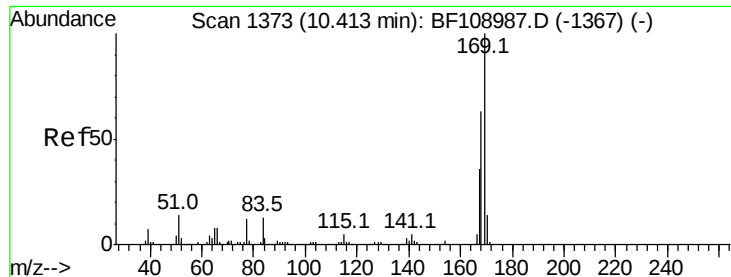
Tot Ion:138 Resp: 28018
Ion Ratio Lower Upper
138 100
92 41.4 30.2 70.2
108 62.4 52.5 92.5



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1517
Delta R.T. 0.03 min
Lab File: BF109101.D
Acq: 18 Sep 2018 17:47

Tgt Ion:188 Resp: 149476
Ion Ratio Lower Upper
188 100
94 30.3 8.5 12.7#
80 30.7 9.2 13.8#





#65

n-Nitrosodiphenylamine

Concen: 8.001 ng

RT: 10.45 min Scan# 1379

Delta R.T. 0.04 min

Lab File: BF109101.D

Acq: 18 Sep 2018 17:47

Instrument :

BNA_F

ClientSampleId :

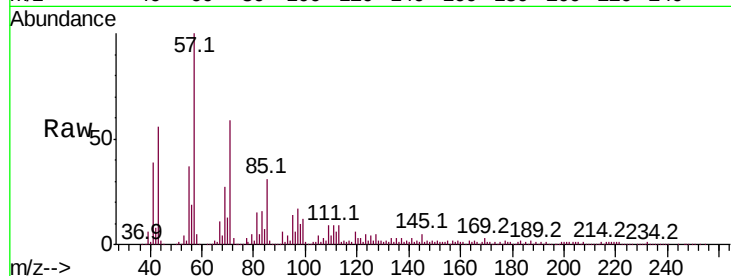
Tot Ion:169 Resp: 39120

Ion Ratio Lower Upper

169 100

168 28.8 54.4 81.6#

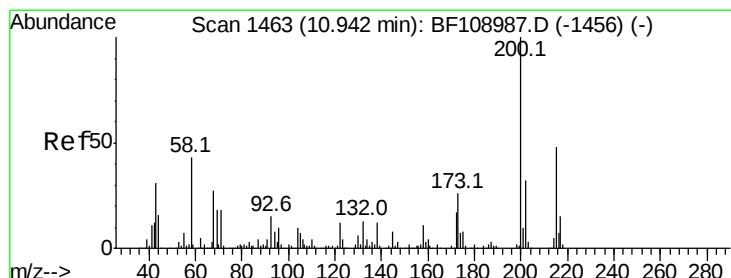
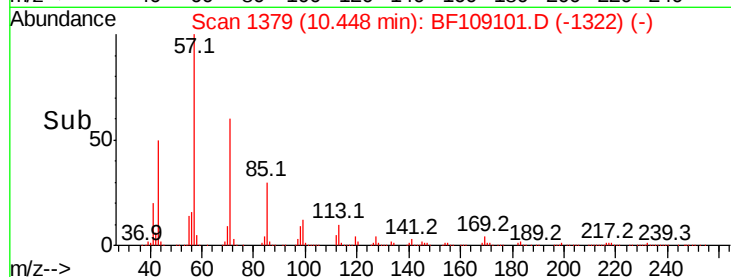
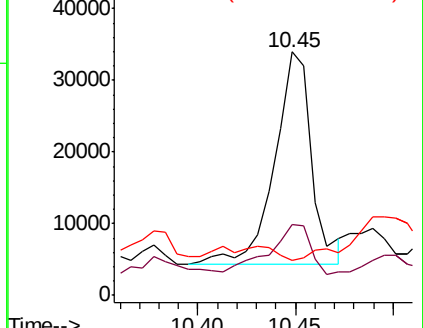
167 14.5 29.8 44.6#



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



#68

Atrazine

Concen: 2.083 ng

RT: 10.97 min Scan# 1467

Delta R.T. 0.02 min

Lab File: BF109101.D

Acq: 18 Sep 2018 17:47

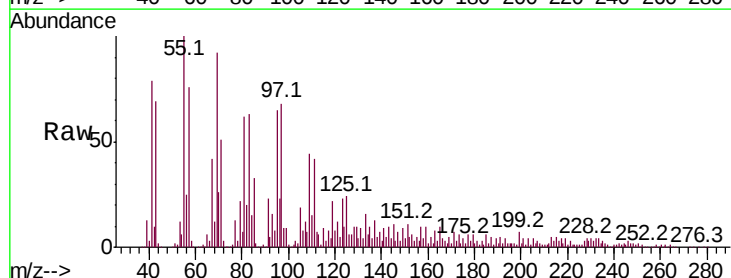
Tgt Ion:200 Resp: 3261

Ion Ratio Lower Upper

200 100

173 324.0 8.6 48.6#

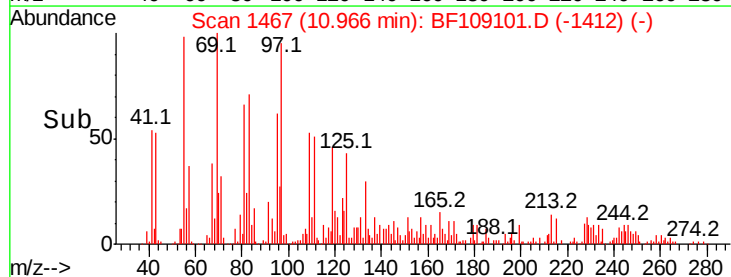
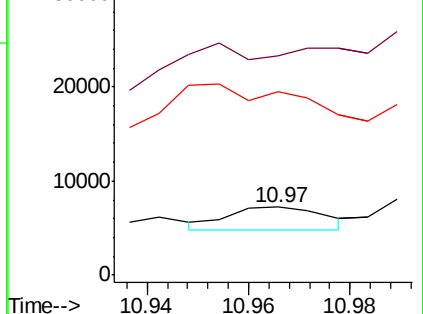
215 271.2 25.1 65.1#

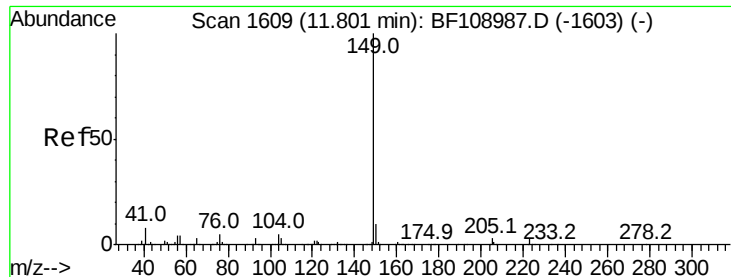


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

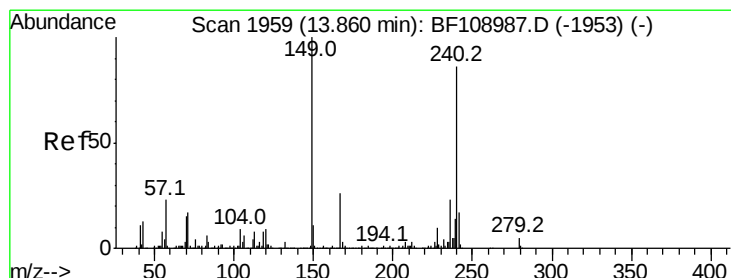
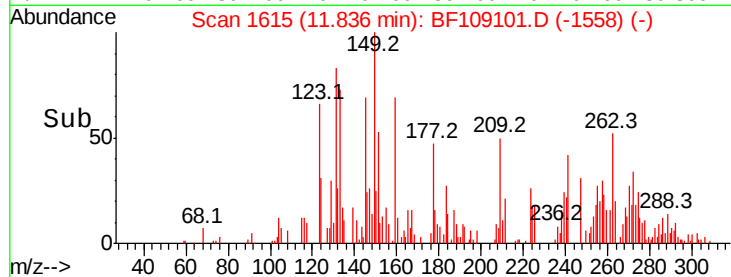
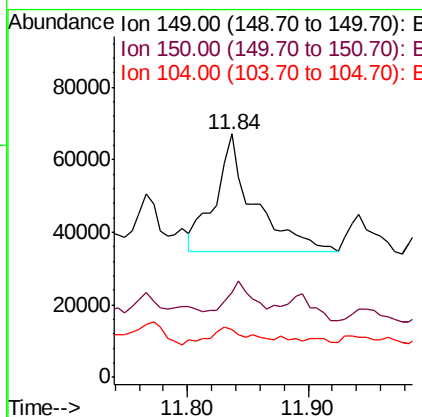
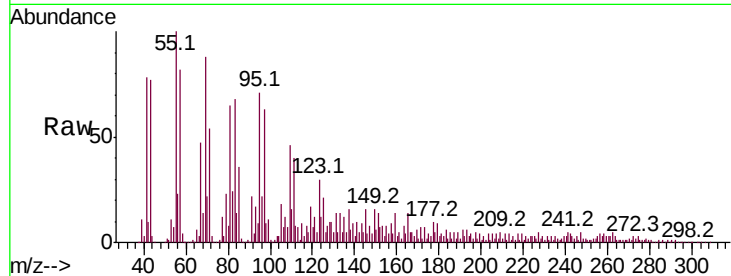




#73
Di-n-butylphthalate
Concen: 8.388 ng
RT: 11.84 min Scan# 1615
Delta R.T. 0.04 min
Lab File: BF109101.D
Acq: 18 Sep 2018 17:47

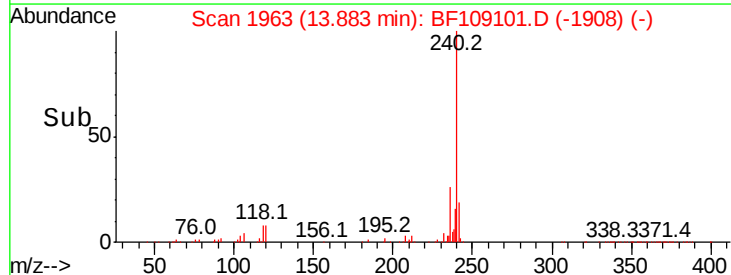
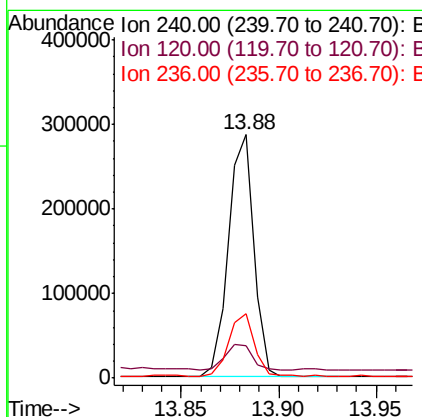
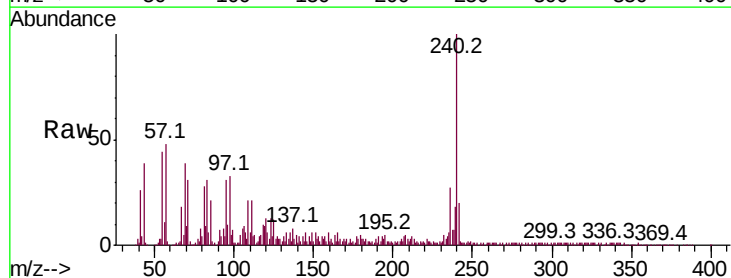
Instrument :
BNA_F
ClientSampled :

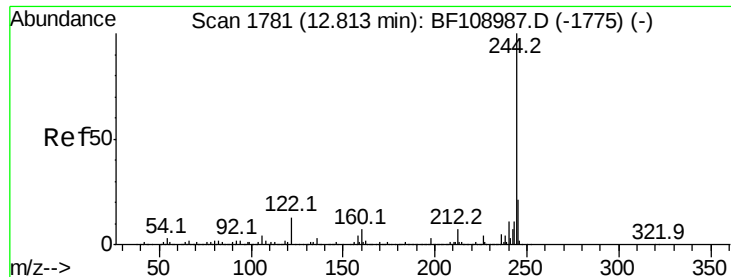
Tot Ion:149 Resp: 72199
Ion Ratio Lower Upper
149 100
150 34.8 7.8 11.6#
104 19.8 3.8 5.8#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 1963
Delta R.T. 0.02 min
Lab File: BF109101.D
Acq: 18 Sep 2018 17:47

Tgt Ion:240 Resp: 258984
Ion Ratio Lower Upper
240 100
120 13.1 9.5 14.3
236 26.6 20.7 31.1

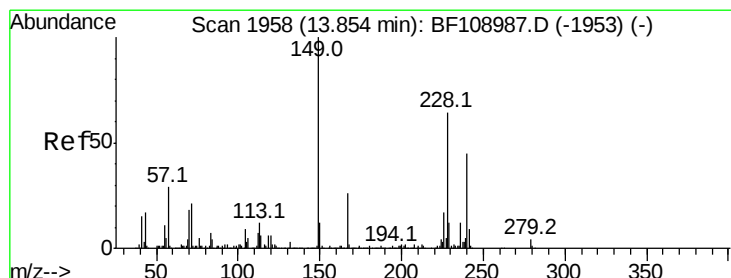
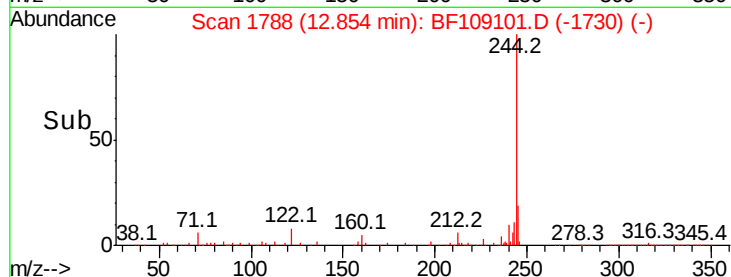
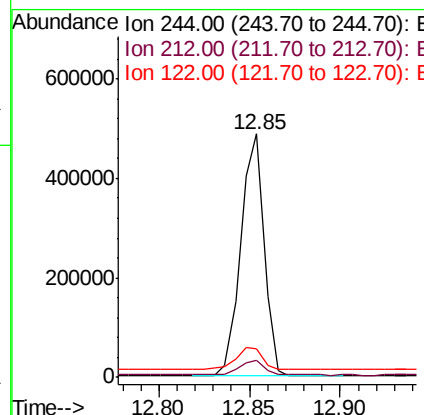
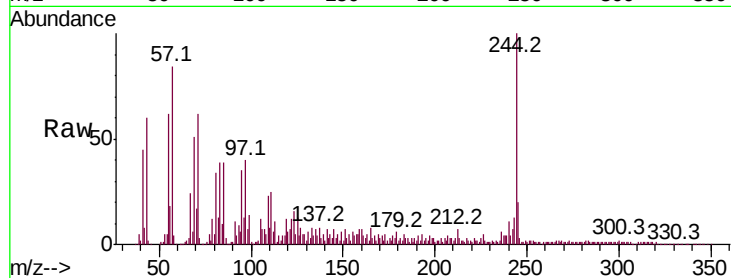




#78
 Terphenyl-d14
 Concen: 39.993 ng
 RT: 12.85 min Scan# 1788
 Delta R.T. 0.04 min
 Lab File: BF109101.D
 Acq: 18 Sep 2018 17:47

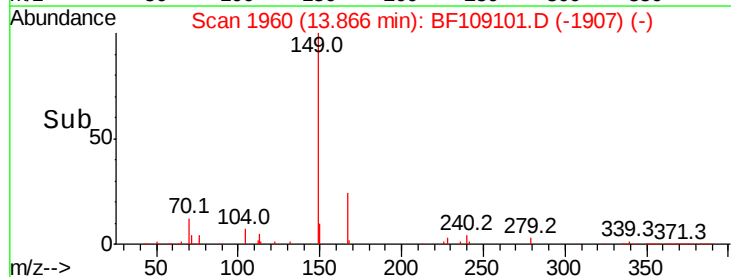
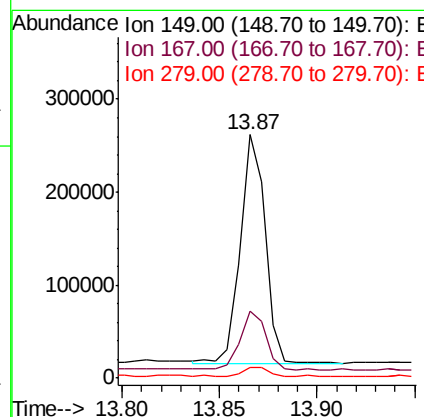
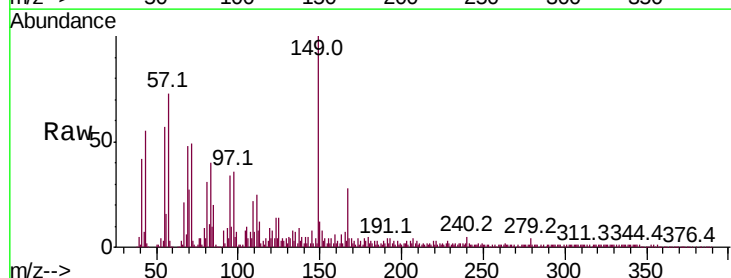
Instrument :
 BNA_F
 ClientSampleId :

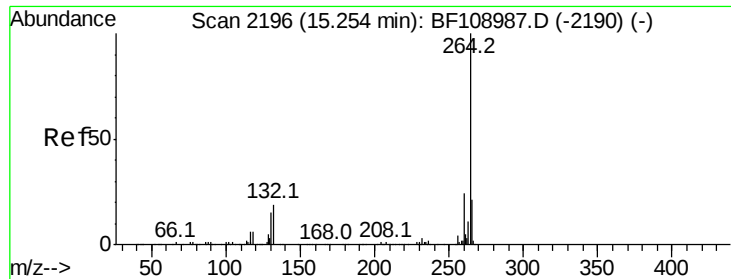
Tot Ion:244 Resp: 436982
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.8 11.0 16.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 20.766 ng
 RT: 13.87 min Scan# 1960
 Delta R.T. 0.01 min
 Lab File: BF109101.D
 Acq: 18 Sep 2018 17:47

Tgt Ion:149 Resp: 216040
 Ion Ratio Lower Upper
 149 100
 167 27.7 21.3 31.9
 279 4.2 3.0 4.4

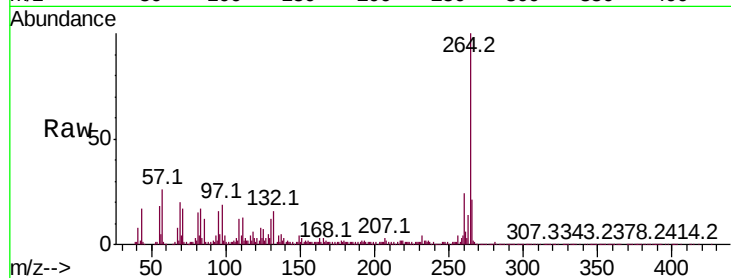




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.02 min
Lab File: BF109101.D
Acq: 18 Sep 2018 17:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.0	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

