

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103118\
 Data File : BF110352.D
 Acq On : 1 Nov 2018 1:02
 Operator : JU/SJ
 Sample : J5632-01 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 04:54:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 31 14:18:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	61426	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	221054	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	86690	20.00	ng	0.00
64) Phenanthrene-d10	11.52	188	149732	20.00	ng	0.00
76) Chrysene-d12	14.16	240	166160	20.00	ng	0.00
87) Perylene-d12	15.70	264	103693	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	42080	11.16	ng	0.00
7) Phenol-d6	6.59	99	51273	10.63	ng	-0.02
23) Nitrobenzene-d5	7.53	82	27287	7.32	ng	0.00
42) 2,4,6-Tribromophenol	10.82	330	8124	9.46	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	56214	10.18	ng	0.00
79) Terphenyl-d14	13.09	244	57302	7.17	ng	-0.01

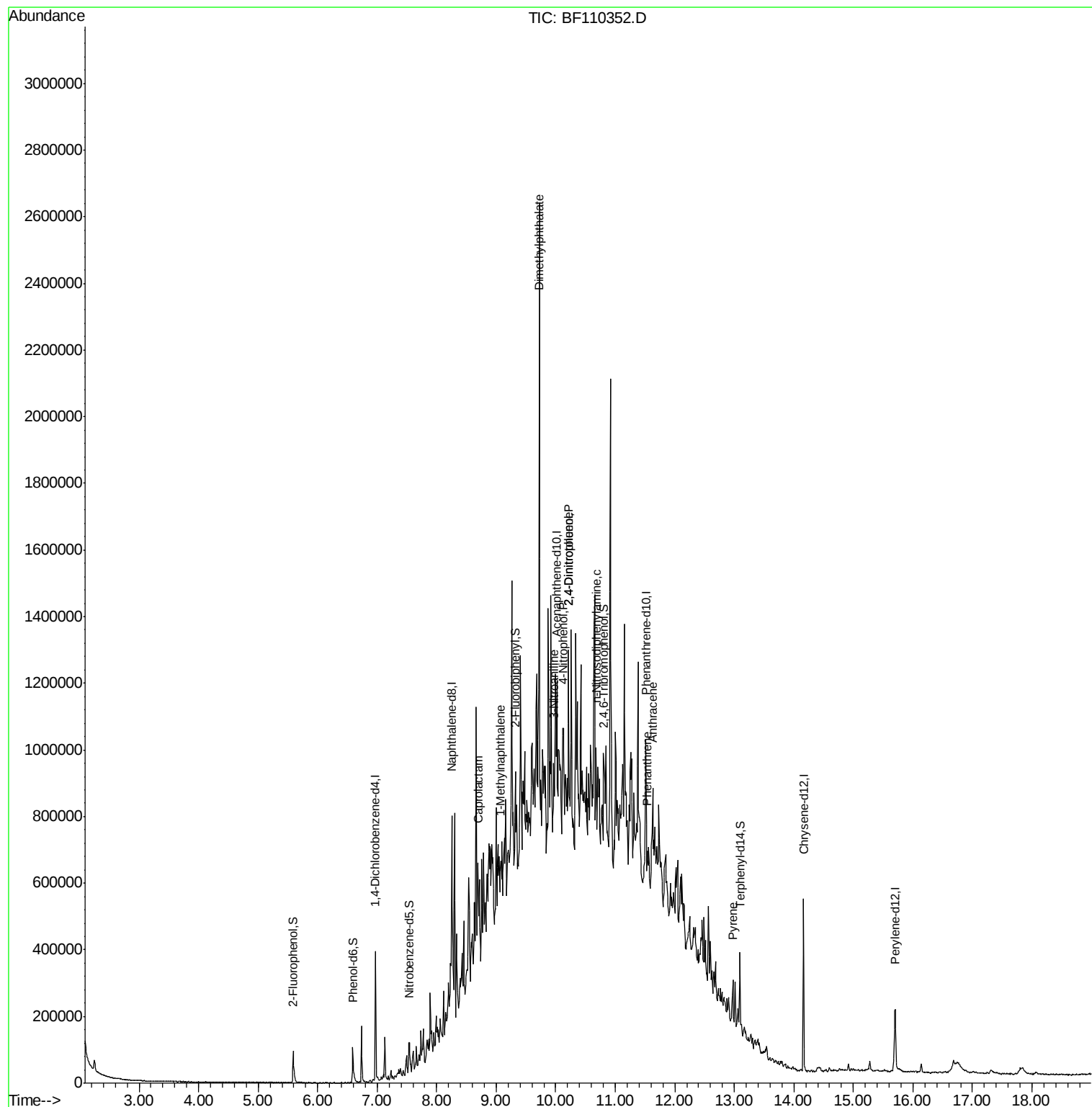
Target Compounds				Qvalue		
9) Benzaldehyde	6.74	77	840	Below Cal		85
35) Caprolactam	8.70	113	3074	2.876 ng	#	1
38) 1-Methylnaphthalene	9.07	142	18949	2.909 ng	#	91
50) Dimethylphthalate	9.72	163	15413	2.409 ng	#	1
53) 3-Nitroaniline	9.96	138	6170	3.764 ng	#	18
54) 2,4-Dinitrophenol	10.21	184	340	5.756 ng	#	1
56) 4-Nitrophenol	10.12	139	9510	7.839 ng	#	1
57) 2,4-Dinitrotoluene	10.22	165	7535	4.304 ng	#	62
66) n-Nitrosodiphenylamine	10.67	169	69372	14.125 ng	#	41
71) Phenanthrene	11.54	178	24528	3.131 ng	#	76
72) Anthracene	11.62	178	28583	3.640 ng	#	1
77) Benzidine	12.86	184	442	Below Cal	#	1
78) Pvrene	12.96	202	25525	2.143 ng		95

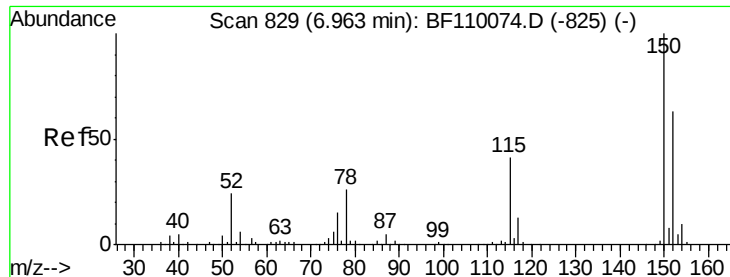
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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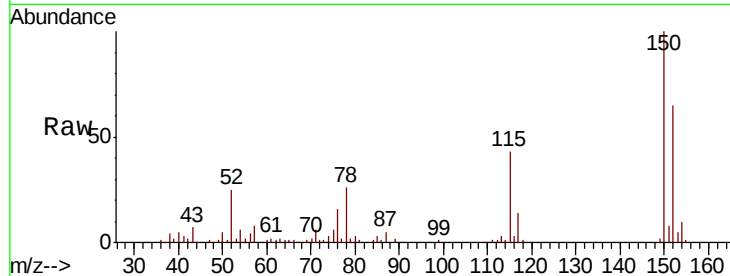


#1

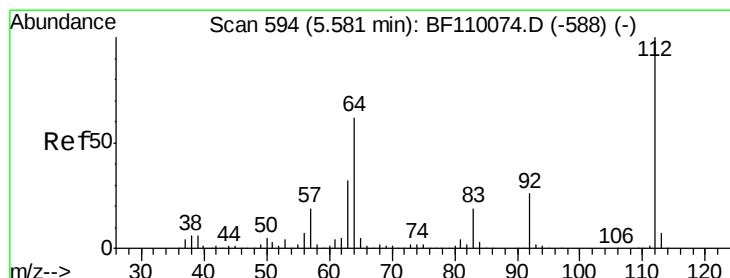
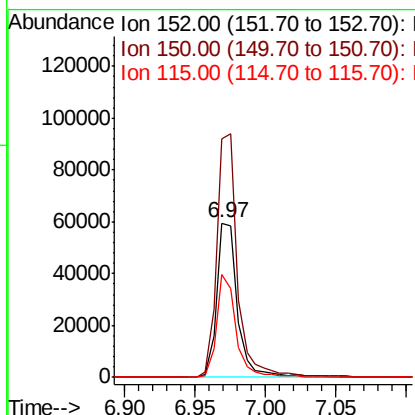
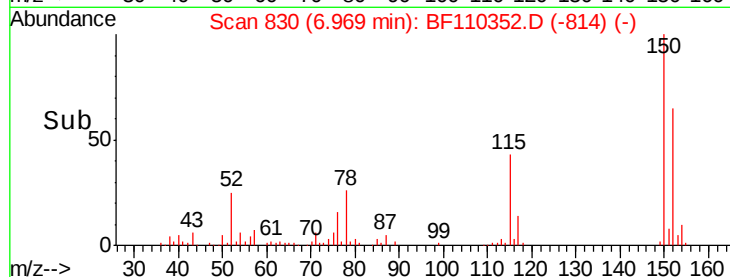
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110352.D
Acq: 1 Nov 2018 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 61426
Ion Ratio Lower Upper
152 100
150 155.0 122.7 184.1
115 66.9 49.1 73.7



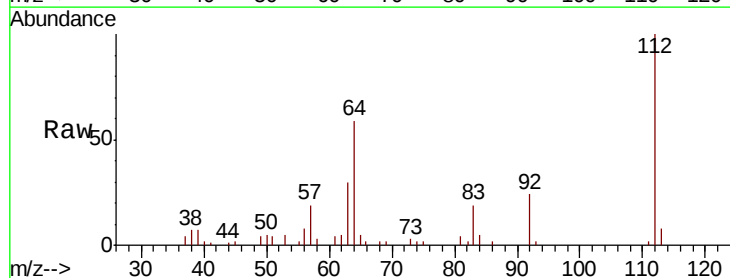
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



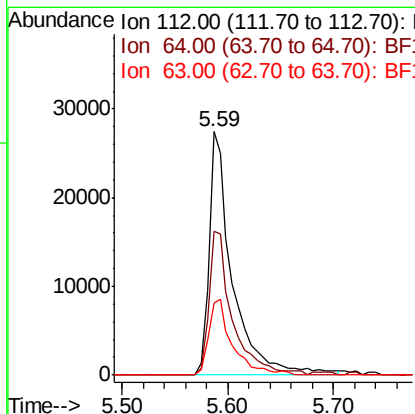
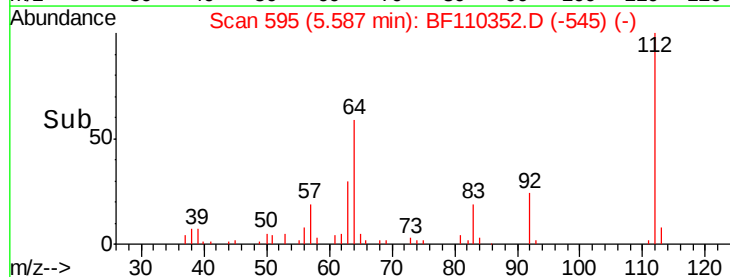
#5

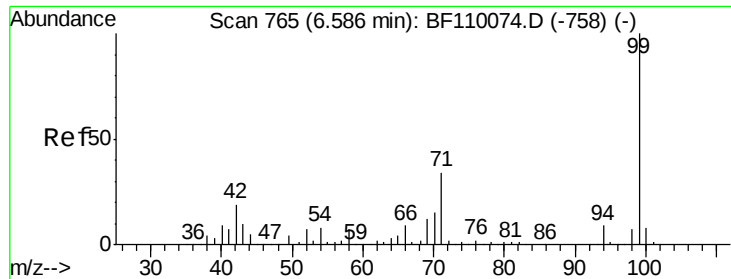
2-Fluorophenol
Concen: 11.156 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110352.D
Acq: 1 Nov 2018 1:02

Tgt Ion:112 Resp: 42080
Ion Ratio Lower Upper
112 100
64 59.0 44.1 66.1
63 29.5 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: 10.627 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110352.D

Acq: 1 Nov 2018 1:02

Instrument :

BNA_F

ClientSampled :

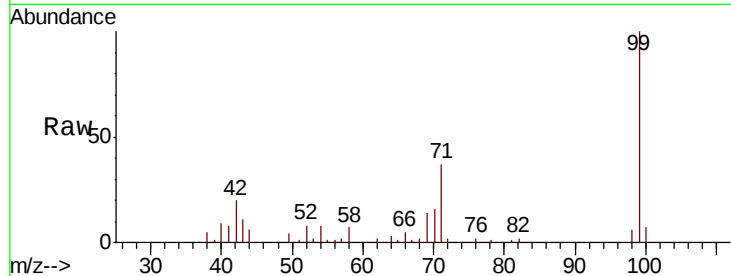
Tot Ion: 99 Resp: 51273

Ion Ratio Lower Upper

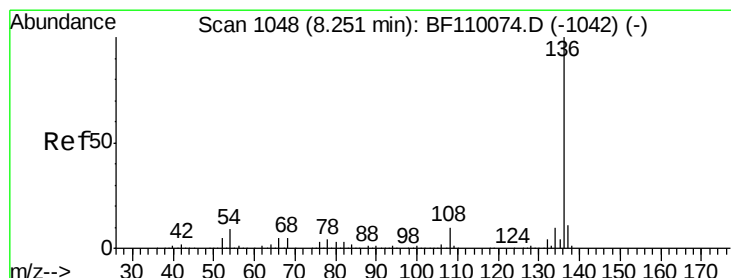
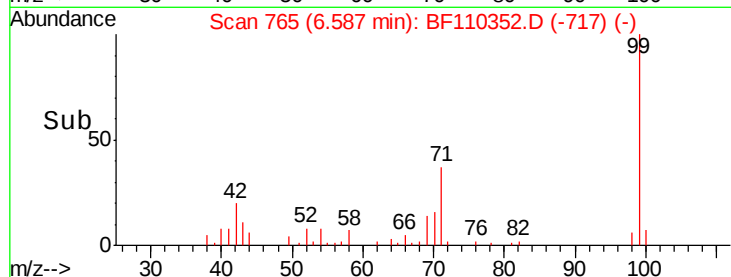
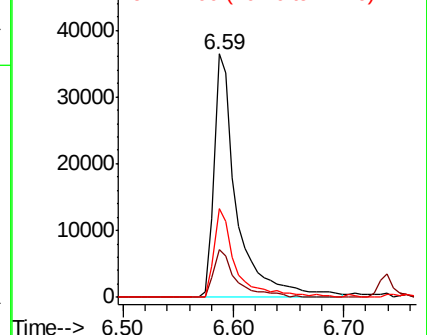
99 100

42 19.7 15.8 23.6

71 36.6 28.0 42.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BF110352.D

Acq: 1 Nov 2018 1:02

Tgt Ion: 136 Resp: 221054

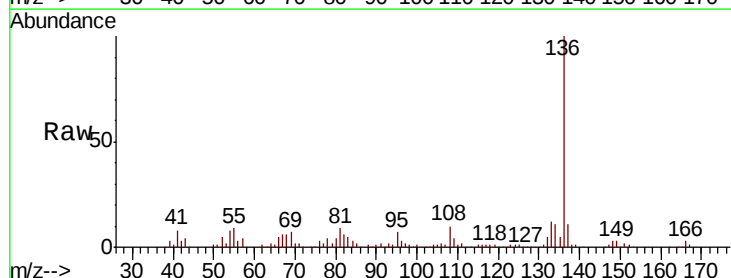
Ion Ratio Lower Upper

136 100

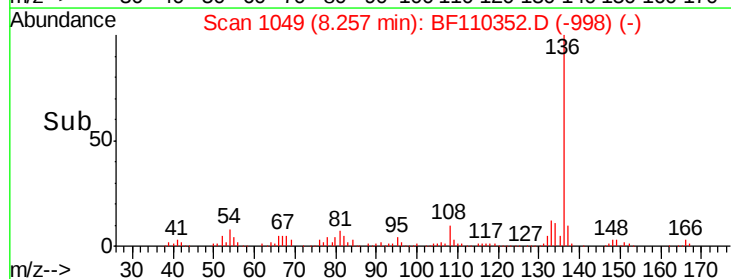
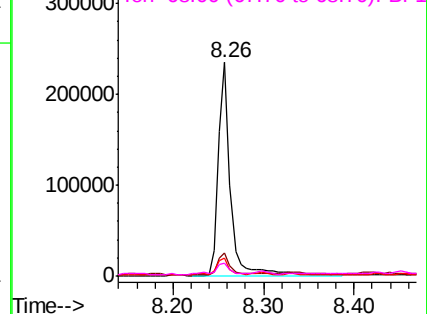
137 10.9 8.8 13.2

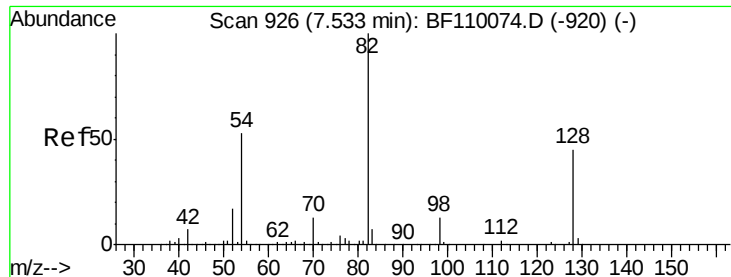
54 8.3 5.4 8.2#

68 5.9 4.2 6.2



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

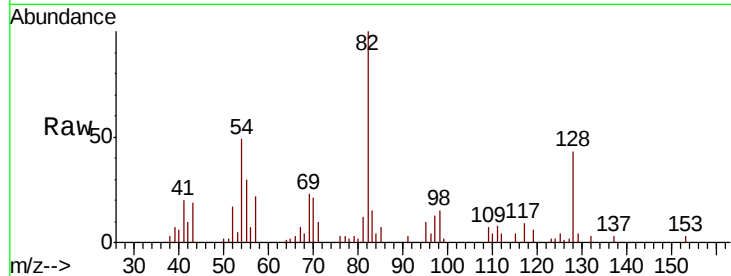




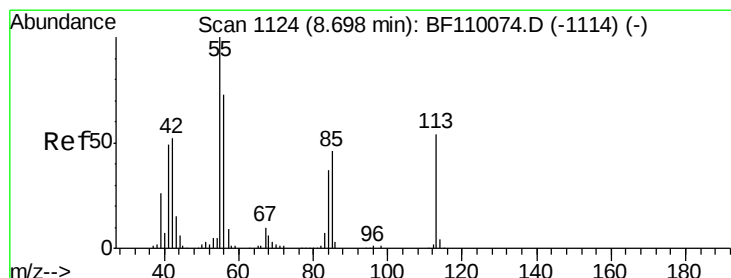
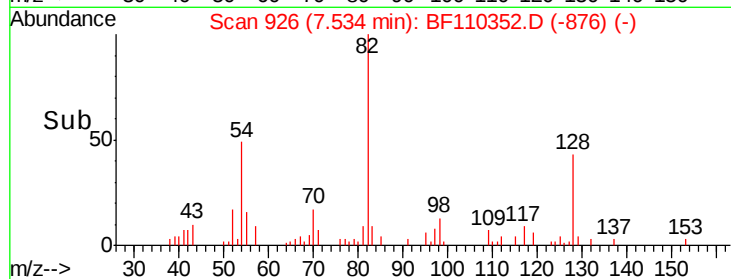
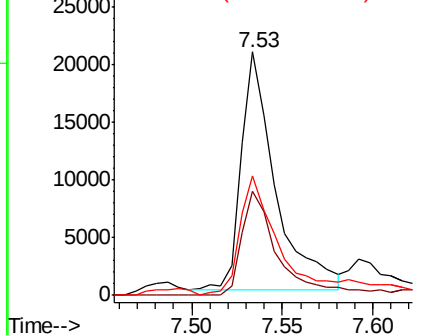
#23
 Nitrobenzene-d5
 Concen: 7.322 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF110352.D
 Acq: 1 Nov 2018 1:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	27287
Ion Ratio	Lower	Upper	
82	100		
128	42.8	34.2	51.2
54	49.3	38.6	58.0

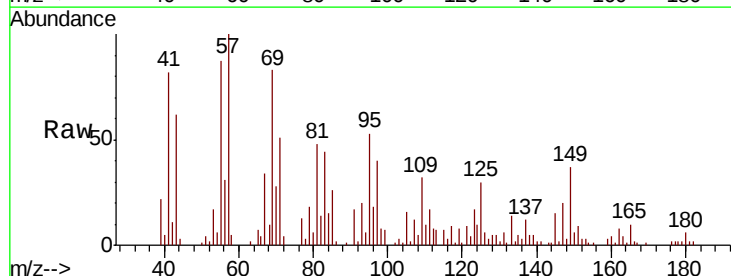


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

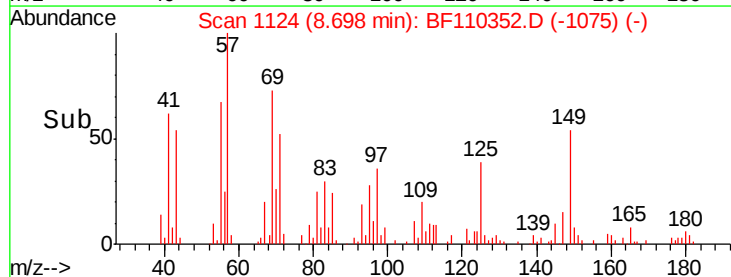
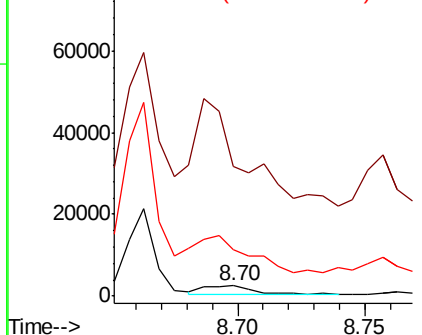


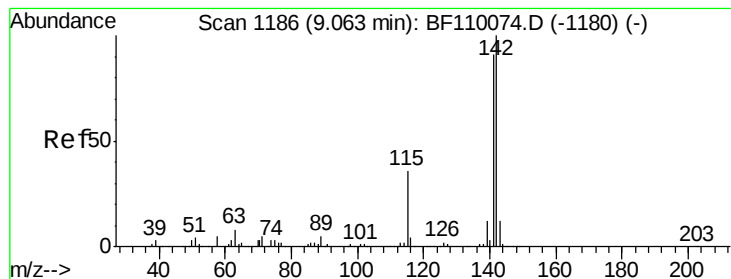
#35
 Caprolactam
 Concen: 2.876 ng
 RT: 8.70 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF110352.D
 Acq: 1 Nov 2018 1:02

Tgt Ion	113	Resp	3074
Ion Ratio	Lower	Upper	
113	100		
55	1256.6	142.8	182.8#
56	451.2	105.0	145.0#



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

1-Methylnaphthalene

Concen: 2.909 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF110352.D

Acq: 1 Nov 2018 1:02

Instrument :

BNA_F

ClientSampleId :

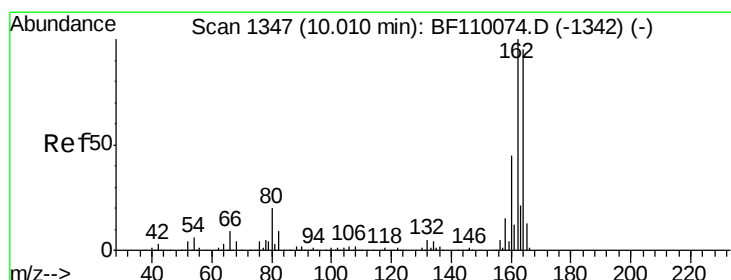
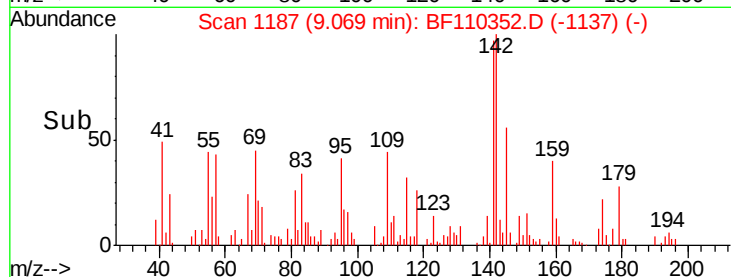
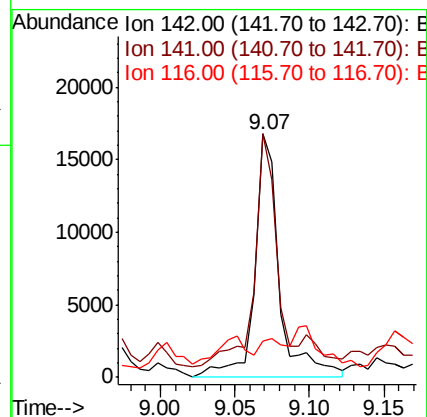
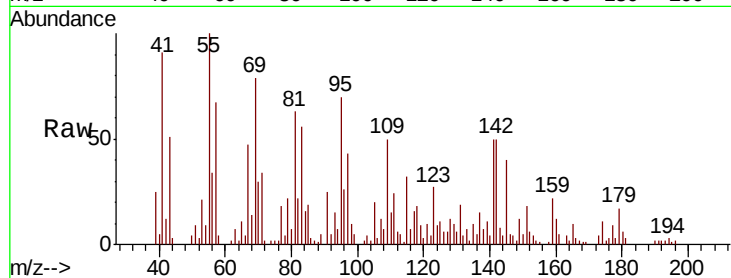
Tot Ion:142 Resp: 18949

Ion Ratio Lower Upper

142 100

141 100.2 74.2 111.4

116 14.7 2.6 4.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BF110352.D

Acq: 1 Nov 2018 1:02

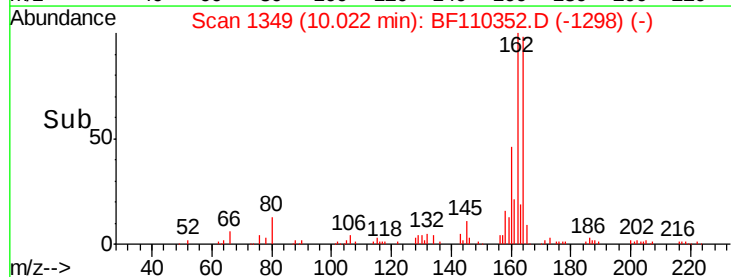
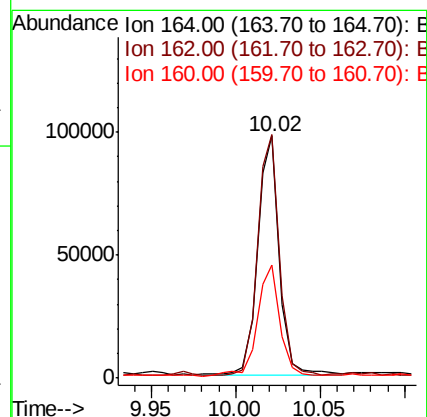
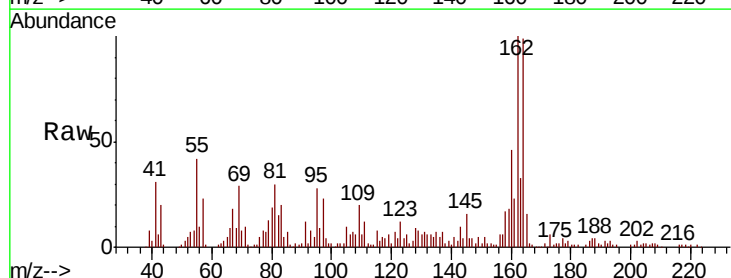
Tgt Ion:164 Resp: 86690

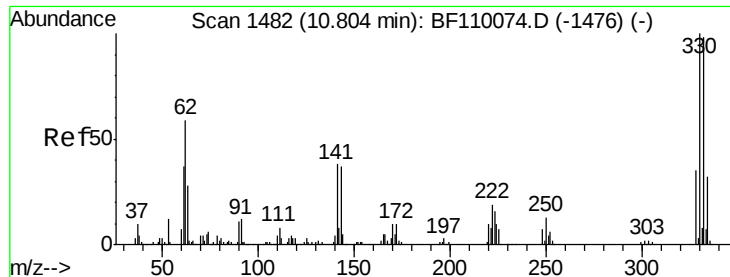
Ion Ratio Lower Upper

164 100

162 100.5 83.0 124.6

160 46.7 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 9.461 ng

RT: 10.82 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BF110352.D

Acq: 1 Nov 2018 1:02

Instrument :

BNA_F

ClientSampled :

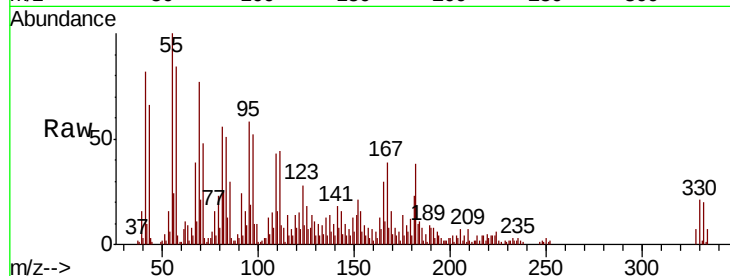
Tot Ion:330 Resp: 8124

Ion Ratio Lower Upper

330 100

332 100.1 77.1 115.7

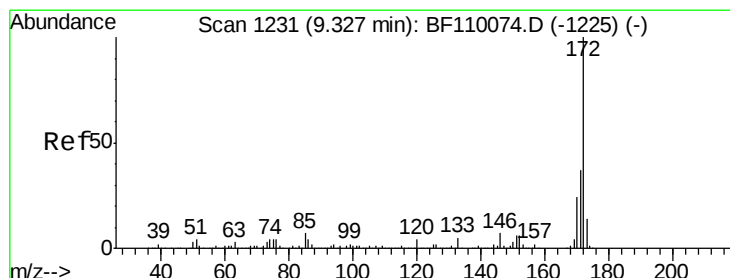
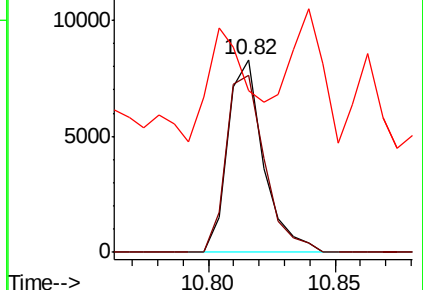
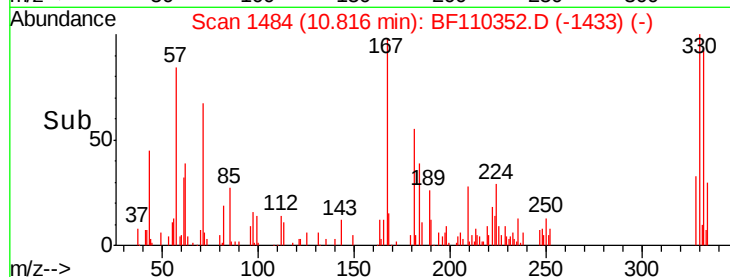
141 64.5 27.0 40.4#



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



#45

2-Fluorobiphenyl

Concen: 10.182 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BF110352.D

Acq: 1 Nov 2018 1:02

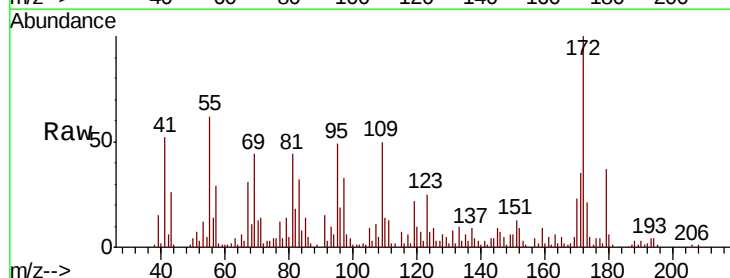
Tgt Ion:172 Resp: 56214

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

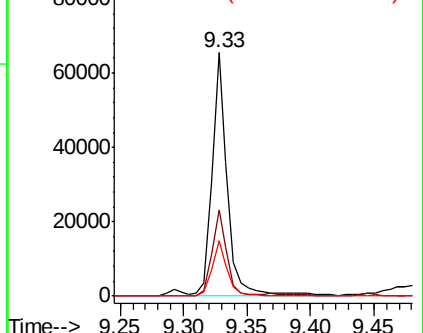
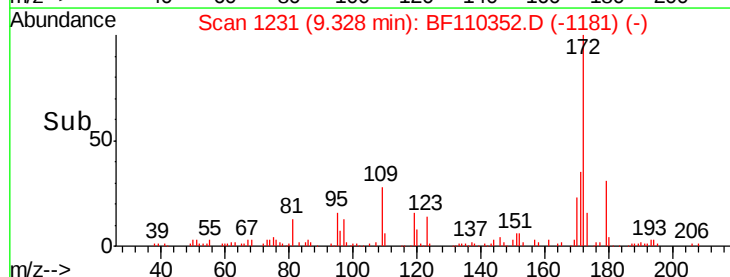
170 22.9 19.7 29.5

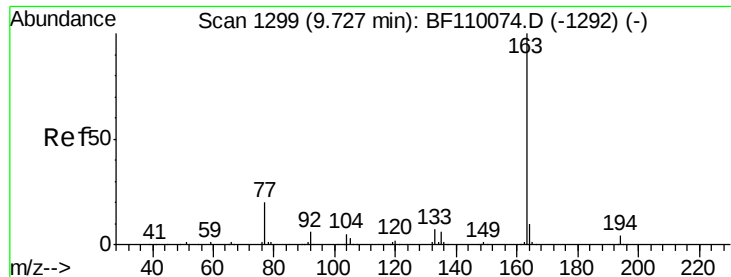


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

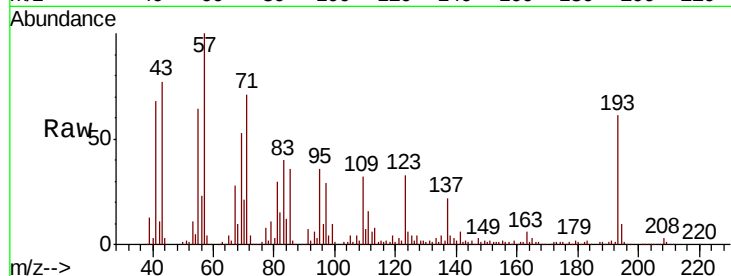




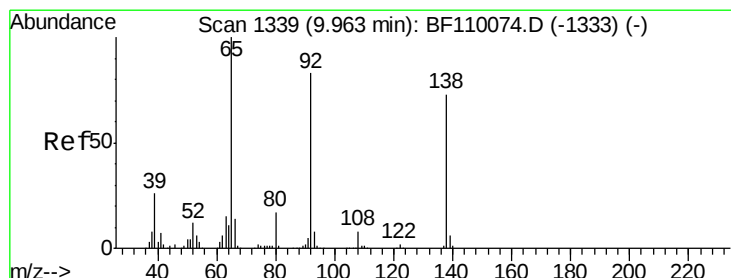
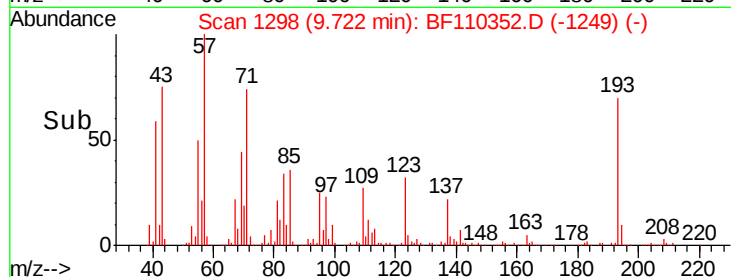
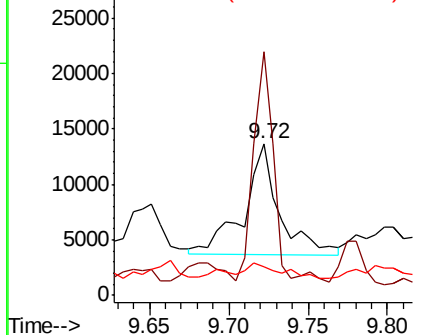
#50
Dimethylphthalate
Concen: 2.409 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF110352.D
Acq: 1 Nov 2018 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 15413
Ion Ratio Lower Upper
163 100
194 160.6 3.2 4.8#
164 18.8 8.1 12.1#

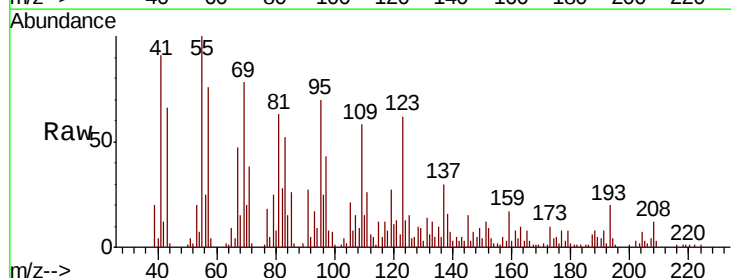


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

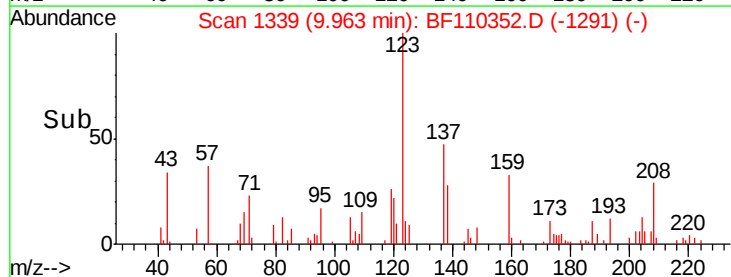
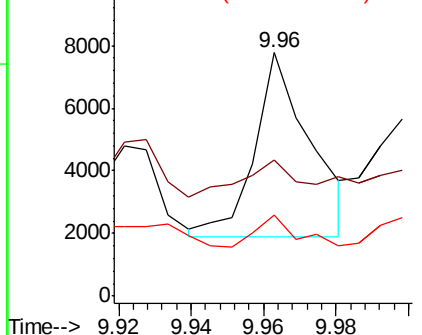


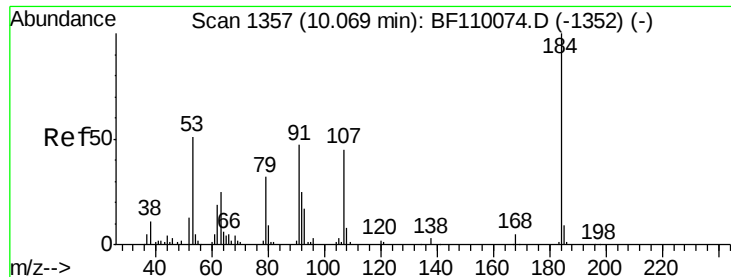
#53
3-Nitroaniline
Concen: 3.764 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.02 min
Lab File: BF110352.D
Acq: 1 Nov 2018 1:02

Tgt Ion:138 Resp: 6170
Ion Ratio Lower Upper
138 100
108 56.0 8.7 13.1#
92 33.2 97.0 145.4#



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

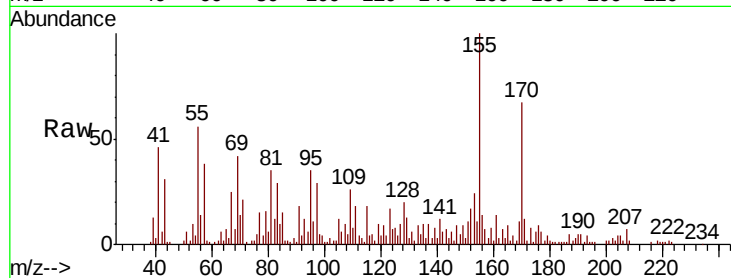




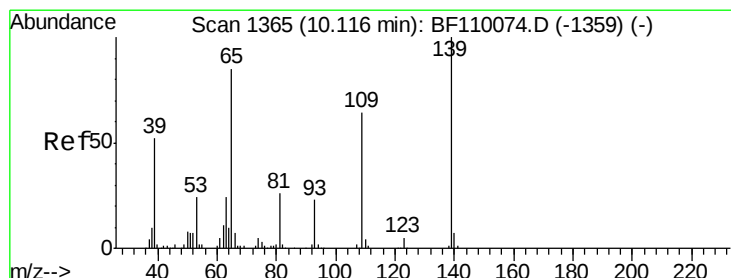
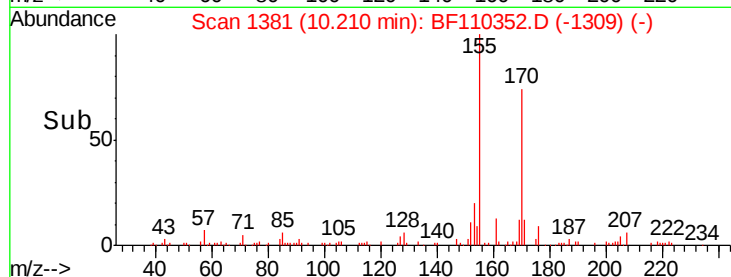
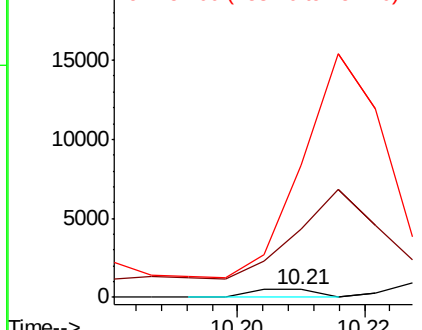
#54
 2,4-Dinitrophenol
 Concen: 5.756 ng
 RT: 10.21 min Scan# 1381
 Delta R.T. 0.12 min
 Lab File: BF110352.D
 Acq: 1 Nov 2018 1:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:184 Resp: 340
 Ion Ratio Lower Upper
 184 100
 63 887.5 55.8 83.6#
 154 1710.8 63.2 94.8#

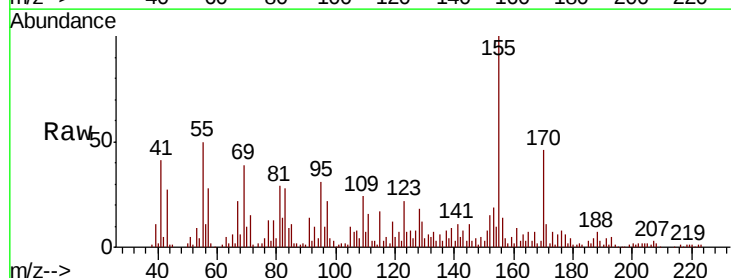


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

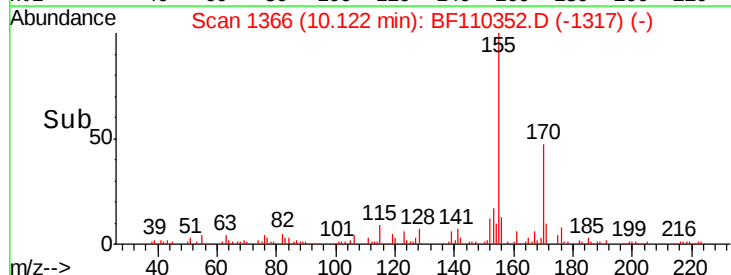
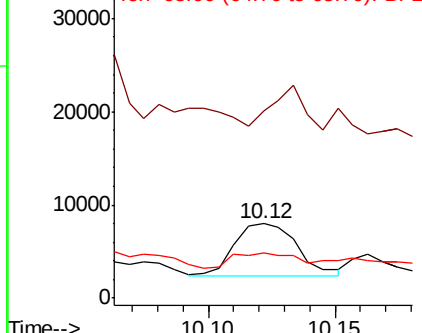


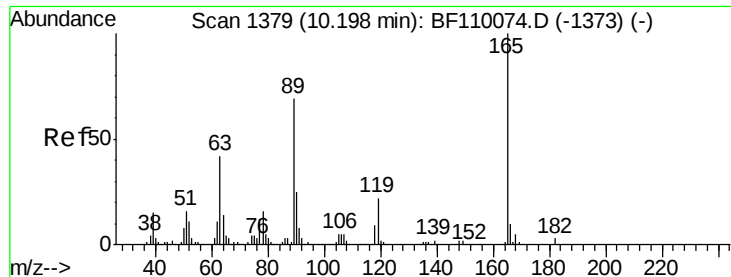
#56
 4-Nitrophenol
 Concen: 7.839 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: BF110352.D
 Acq: 1 Nov 2018 1:02

Tgt Ion:139 Resp: 9510
 Ion Ratio Lower Upper
 139 100
 109 251.9 55.8 95.8#
 65 61.4 77.9 117.9#



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): BF1

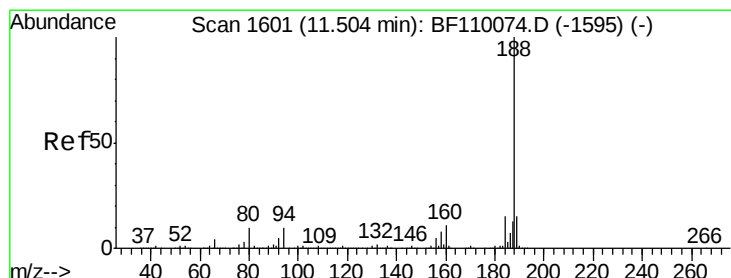
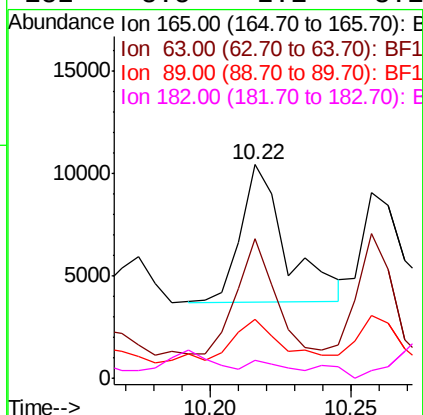
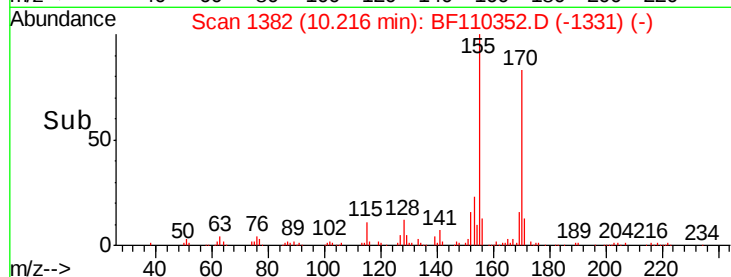
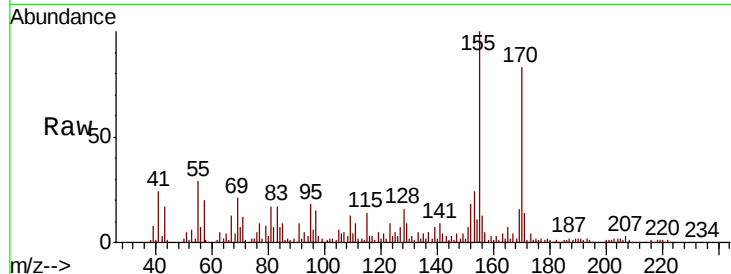




#57
2,4-Dinitrotoluene
Concen: 4.304 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BF110352.D
Acq: 1 Nov 2018 1:02

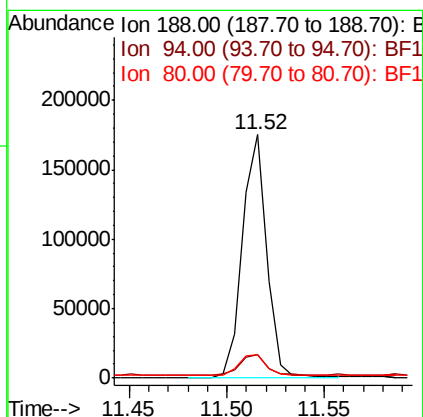
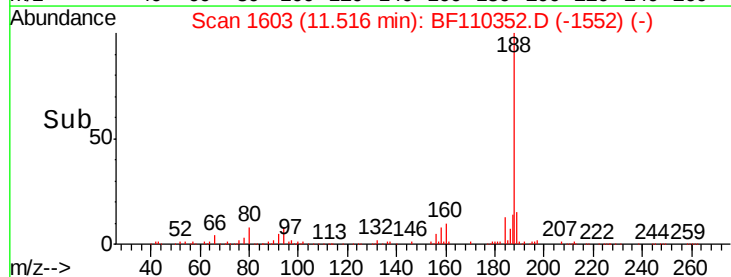
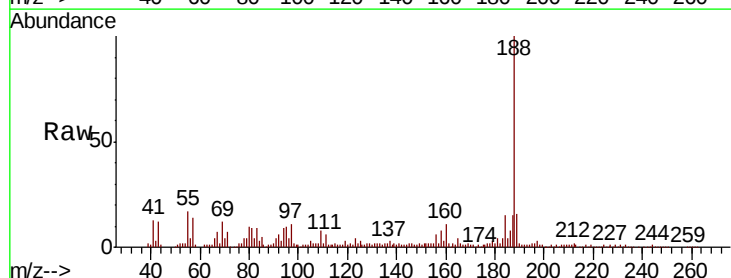
Instrument :
BNA_F
ClientSampled :

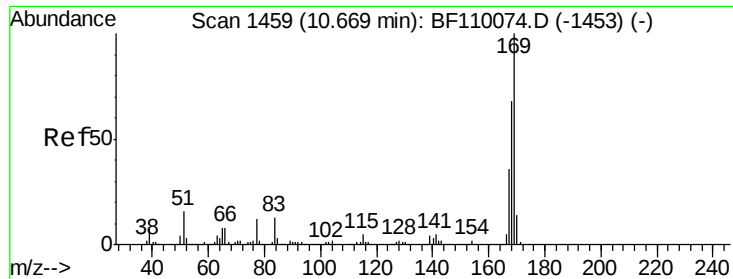
Tot Ion	Ratio	Lower	Upper
165	100		
63	65.3	44.8	67.2
89	27.6	62.2	93.4
182	8.5	2.1	3.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF110352.D
Acq: 1 Nov 2018 1:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.2	10.8
80	9.5	7.9	11.9

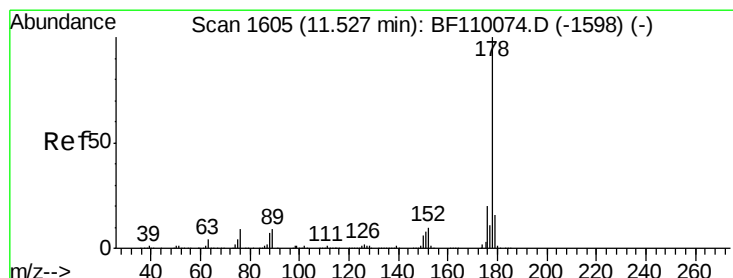
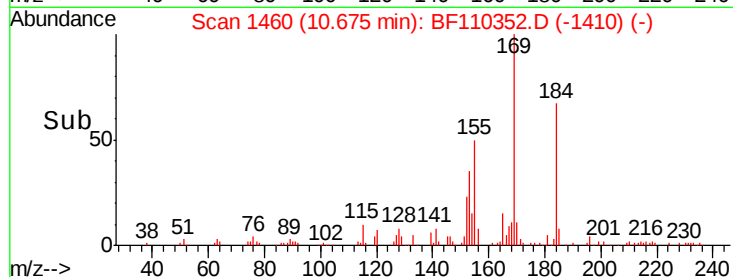
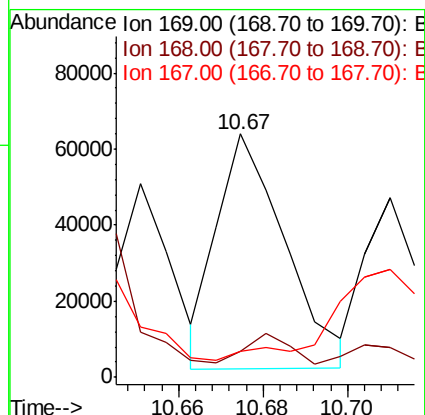
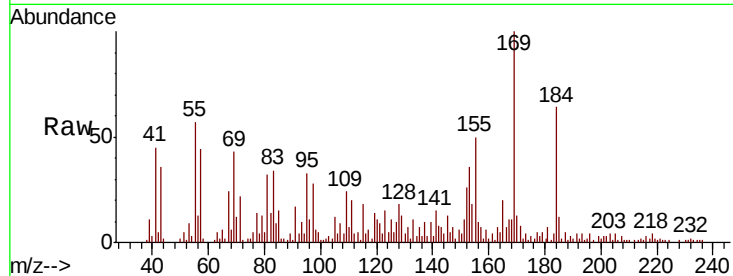




#66
n-Nitrosodiphenylamine
Concen: 14.125 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF110352.D
Acq: 1 Nov 2018 1:02

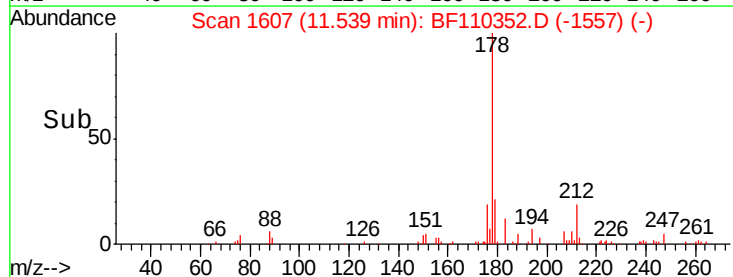
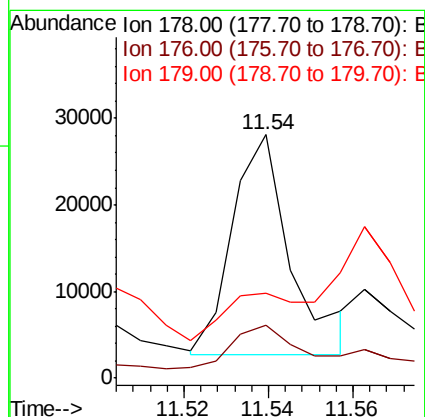
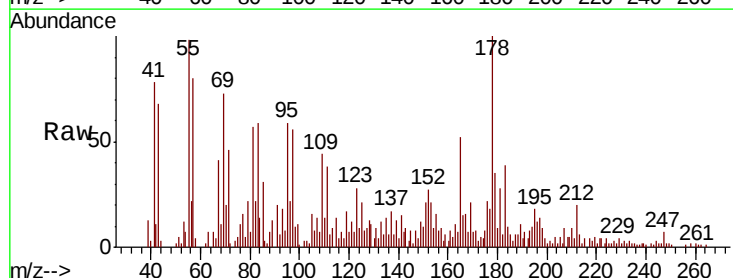
Instrument :
BNA_F
ClientSampleId :

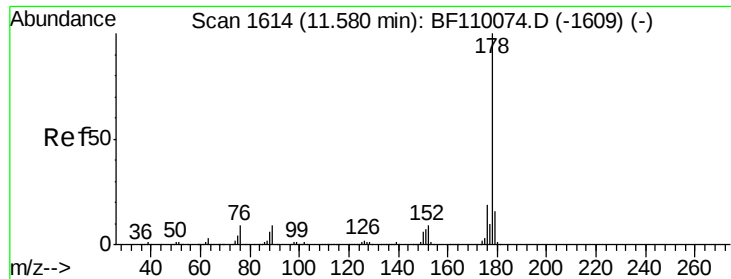
Tot Ion:169 Resp: 69372
Ion Ratio Lower Upper
169 100
168 10.9 51.2 76.8#
167 10.6 27.8 41.6#



#71
Phenanthrene
Concen: 3.131 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF110352.D
Acq: 1 Nov 2018 1:02

Tgt Ion:178 Resp: 24528
Ion Ratio Lower Upper
178 100
176 21.9 15.5 23.3
179 35.1 12.5 18.7#





#72

Anthracene

Concen: 3.640 ng

RT: 11.62 min Scan# 1621

Delta R.T. 0.03 min

Lab File: BF110352.D

Acq: 1 Nov 2018 1:02

Instrument :

BNA_F

ClientSampleId :

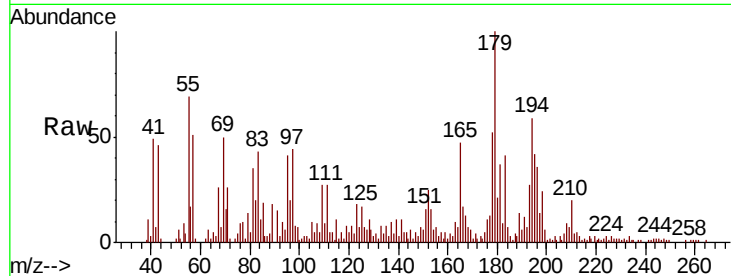
Tot Ion:178 Resp: 28583

Ion Ratio Lower Upper

178 100

176 21.3 15.4 23.2

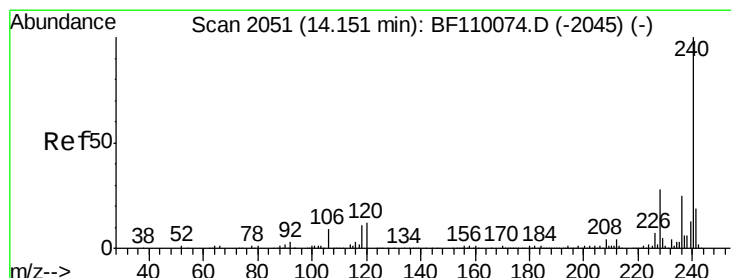
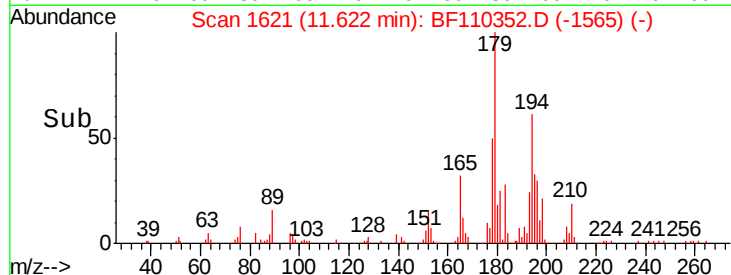
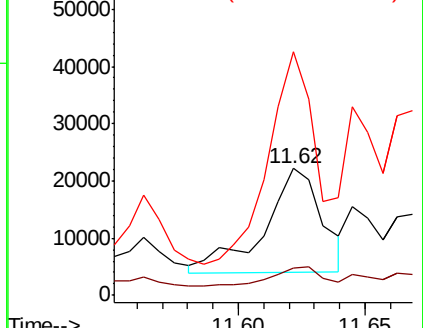
179 192.0 12.6 18.8#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF110352.D

Acq: 1 Nov 2018 1:02

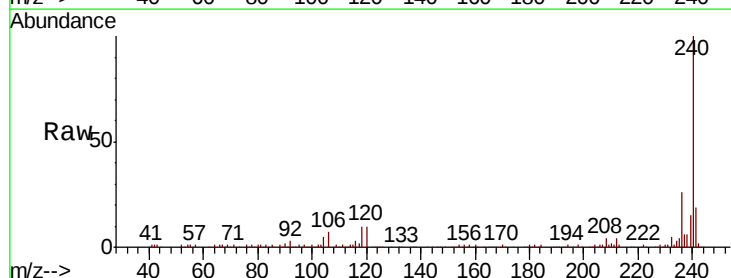
Tgt Ion:240 Resp: 166160

Ion Ratio Lower Upper

240 100

120 9.6 8.3 12.5

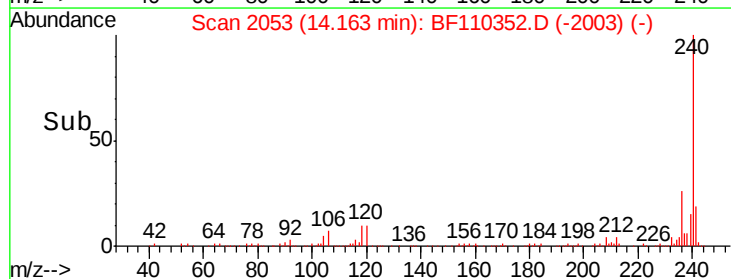
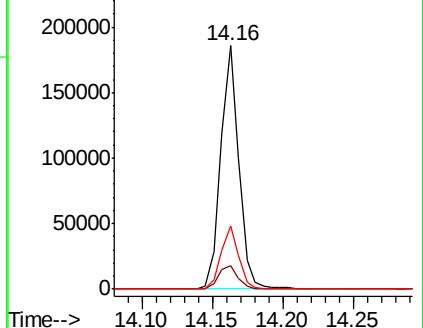
236 25.9 21.2 31.8

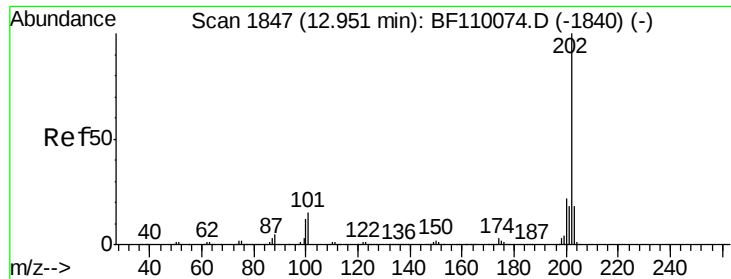


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

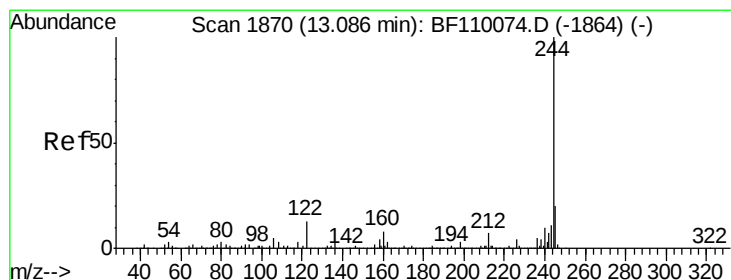
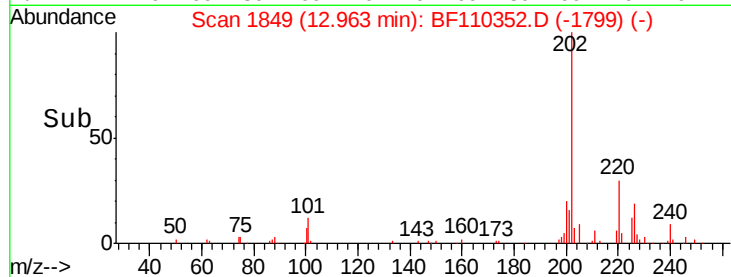
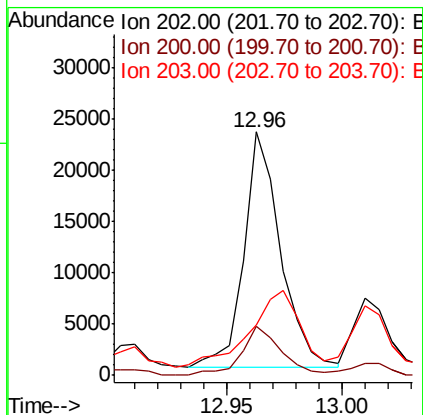
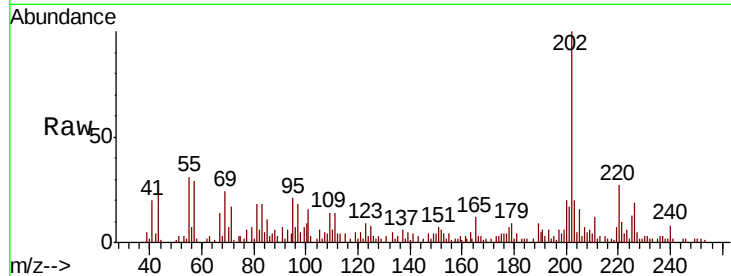




#78
Pvrene
Concen: 2.143 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF110352.D
Acq: 1 Nov 2018 1:02

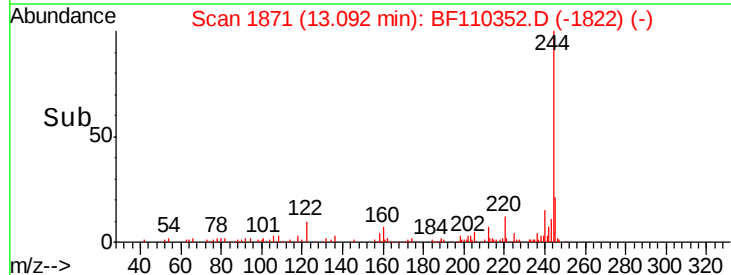
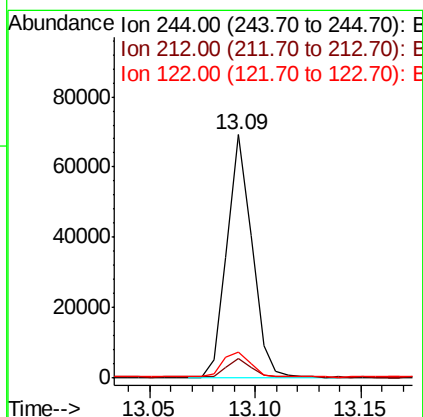
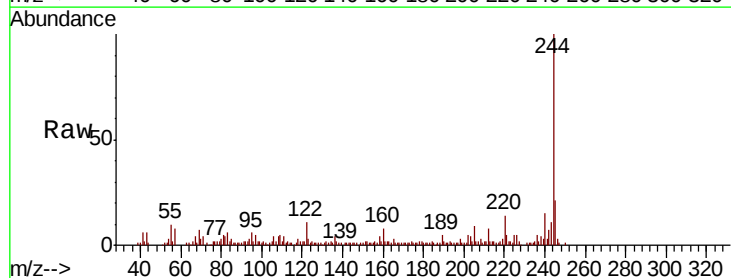
Instrument :
BNA_F
ClientSampleId :

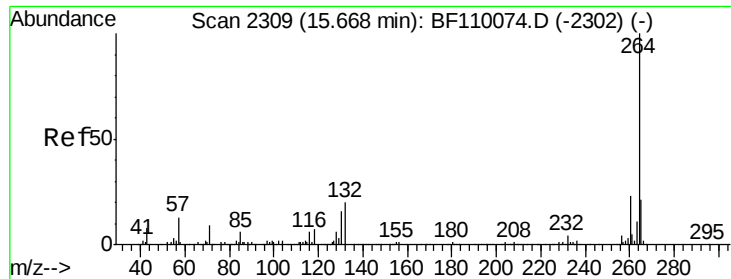
Tot Ion:202 Resp: 25525
Ion Ratio Lower Upper
202 100
200 20.0 17.8 26.6
203 20.5 14.2 21.4



#79
Terphenyl-d14
Concen: 7.172 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF110352.D
Acq: 1 Nov 2018 1:02

Tgt Ion:244 Resp: 57302
Ion Ratio Lower Upper
244 100
212 7.9 5.8 8.8
122 10.9 8.7 13.1





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. 0.00 min
 Lab File: BF110352.D
 Acq: 1 Nov 2018 1:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.7	16.7	25.1

