

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104621.D
 Acq On : 19 Apr 2018 10:46
 Operator : JU/SJ
 Sample : J2410-05RX
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 14:44:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 14:44:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	120386	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	445431	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	150237	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	3637	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	163011	20.00	ng	0.04
86) Perylene-d12	15.47	264	236117	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	240794	30.58	ng	0.01
7) Phenol-d6	6.45	99	523867	54.15	ng	0.00
23) Nitrobenzene-d5	7.37	82	566179	83.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	22272	14.29	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	873781	91.88	ng	0.00
78) Terphenyl-d14	12.97	244	267926	37.47	ng	0.05

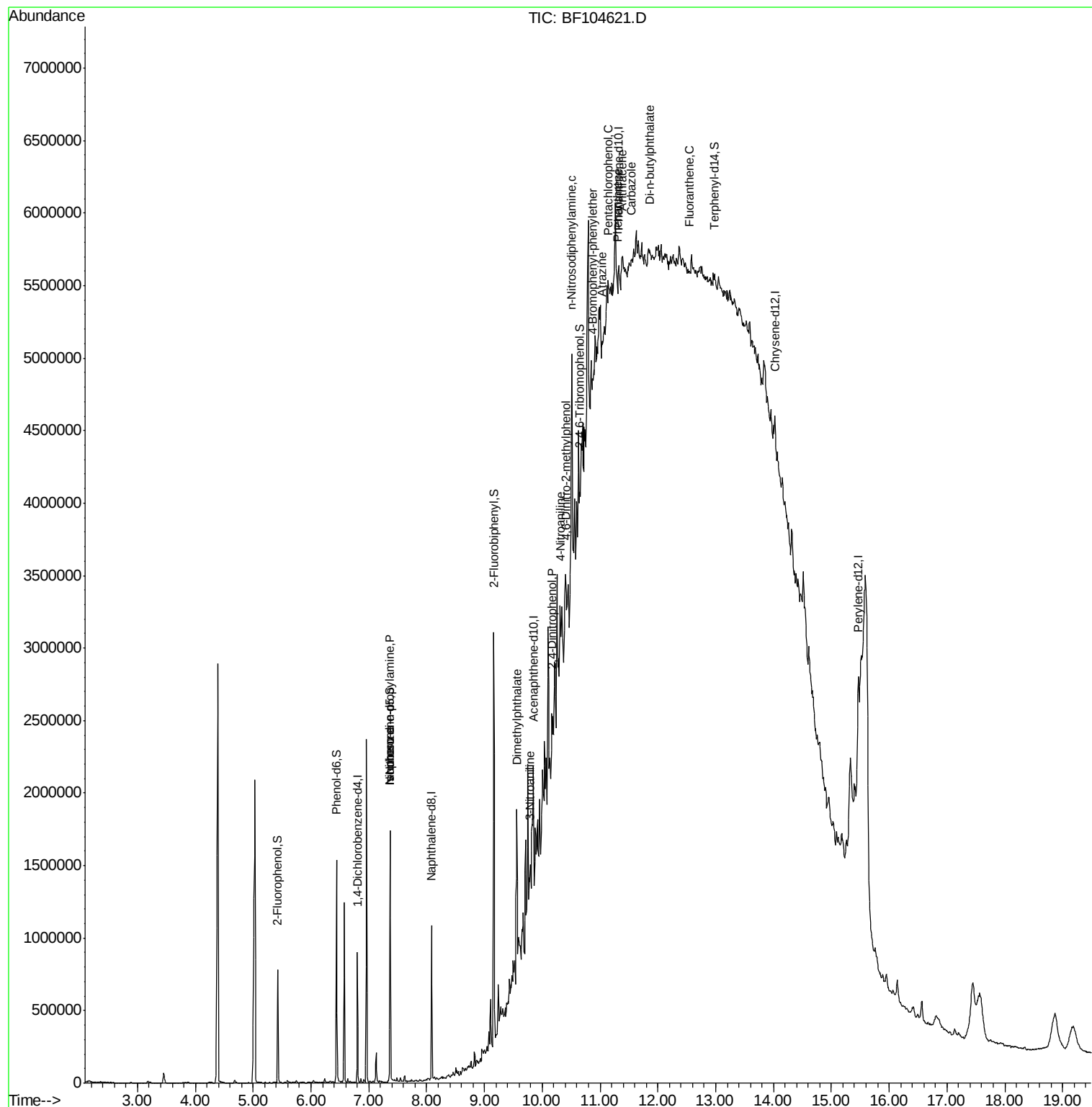
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	6442	Below Cal		83
19) n-Nitroso-di-n-propylamine	7.37	70	74762	11.827 ng	#	74
25) Isophorone	7.37	82	562702	39.009 ng	#	64
49) Dimethylphthalate	9.56	163	51488	4.346 ng	#	93
52) 3-Nitroaniline	9.79	138	7957	3.100 ng	#	27
53) 2,4-Dinitrophenol	10.17	184	2231	8.772 ng		96
61) 4-Nitroaniline	10.30	138	15369	6.125 ng		83
64) 4,6-Dinitro-2-methylphenol	10.42	198	1587	83.229 ng	#	1
65) n-Nitrosodiphenylamine	10.51	169	45229	358.664 ng	#	55
66) 4-Bromophenyl-phenylether	10.87	248	969	25.048 ng	#	1
68) Atrazine	11.04	200	2138	56.169 ng	#	1
69) Pentachlorophenol	11.13	266	1281	47.568 ng	#	9
70) Phenanthrene	11.30	178	2565	12.664 ng	#	1
71) Anthracene	11.38	178	34277	166.485 ng	#	3
72) Carbazole	11.54	167	3058	15.200 ng	#	1
73) Di-n-butylphthalate	11.85	149	4612	18.766 ng	#	21
74) Fluoranthene	12.54	202	1650	7.797 ng	#	1
76) Benzidine	12.67	184	3733	Below Cal	#	1

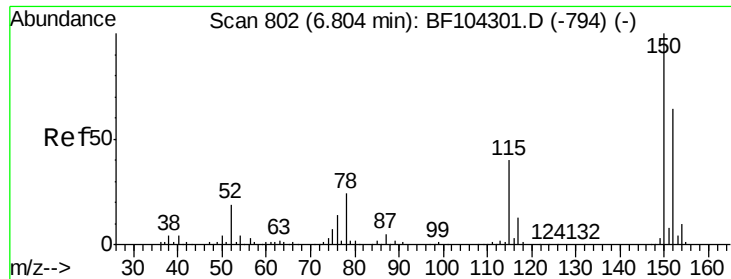
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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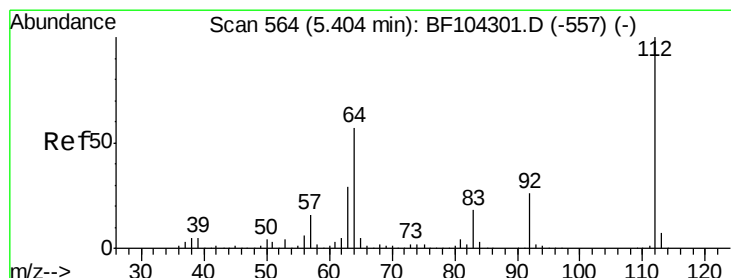
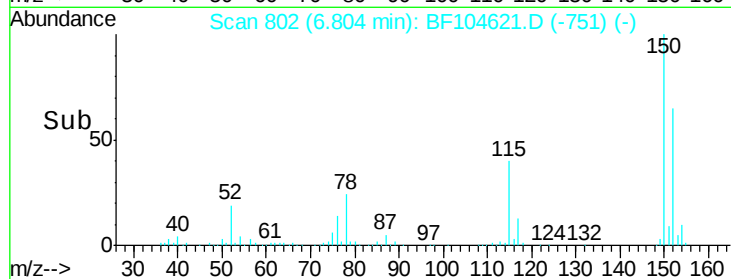
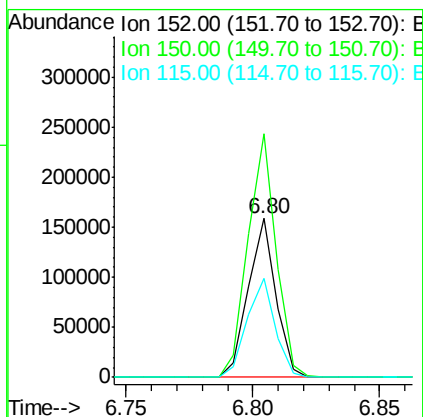
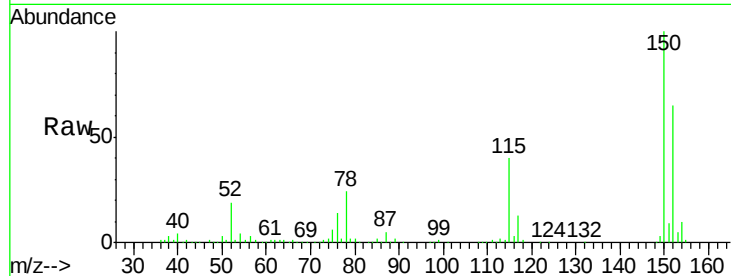


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104621.D
Acq: 19 Apr 2018 10:46

Instrument :
BNA_F
ClientSampleId :

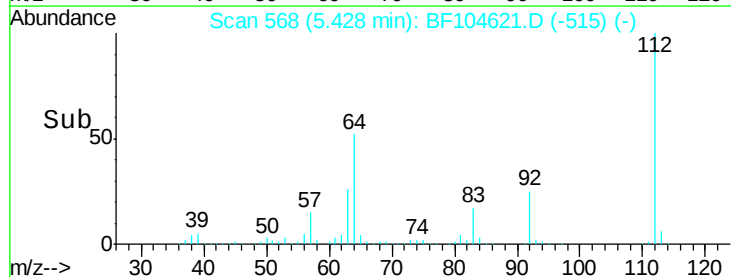
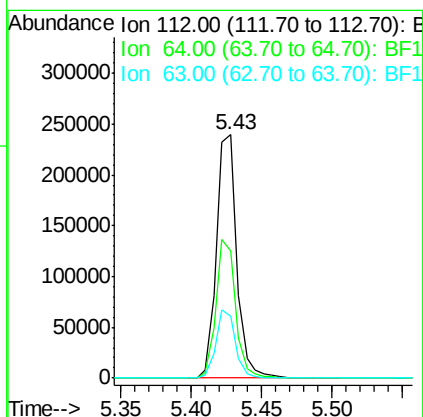
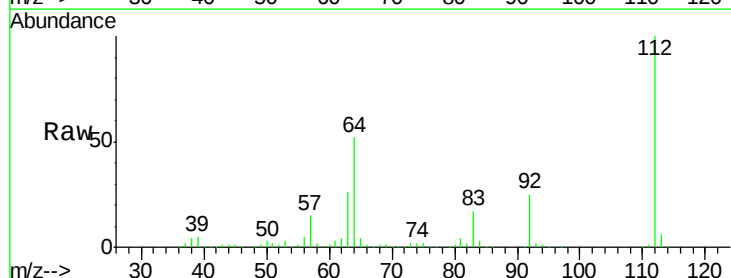
Tot Ion:152 Resp: 120386
Ion Ratio Lower Upper
152 100
150 153.1 124.6 186.8
115 62.0 50.1 75.1

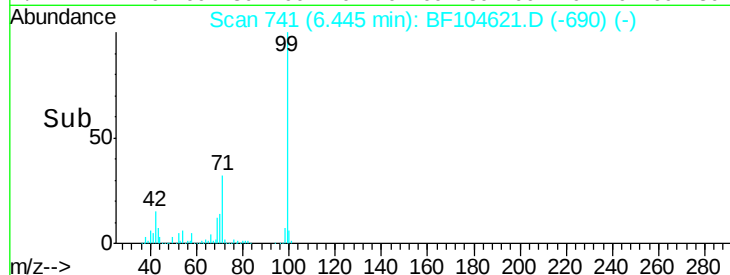
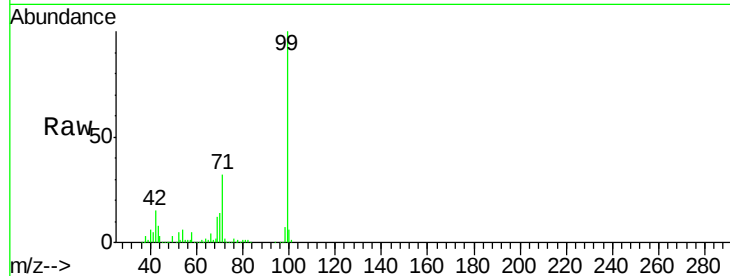


#5

2-Fluorophenol
Concen: 30.584 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104621.D
Acq: 19 Apr 2018 10:46

Tgt Ion:112 Resp: 240794
Ion Ratio Lower Upper
112 100
64 52.0 47.9 71.9
63 25.6 23.7 35.5





#7

Phenol-d6

Concen: 54.154 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

Instrument :

BNA_F

ClientSampleId :

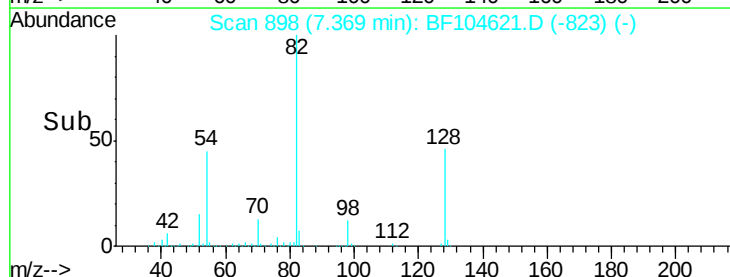
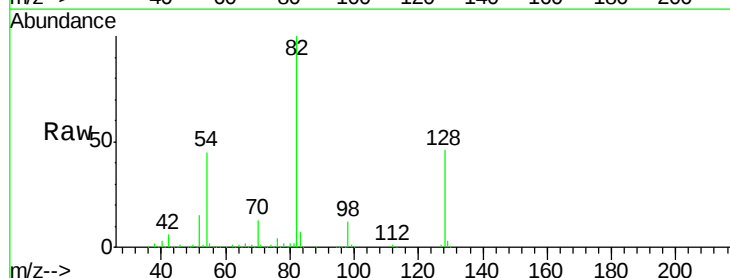
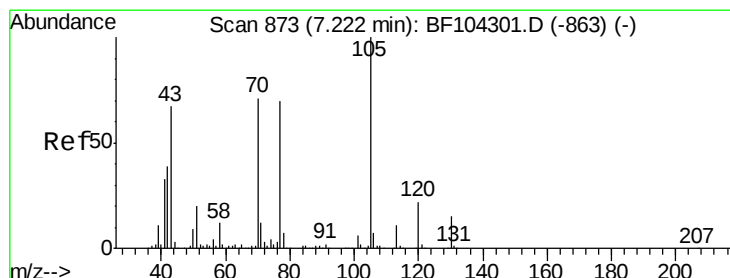
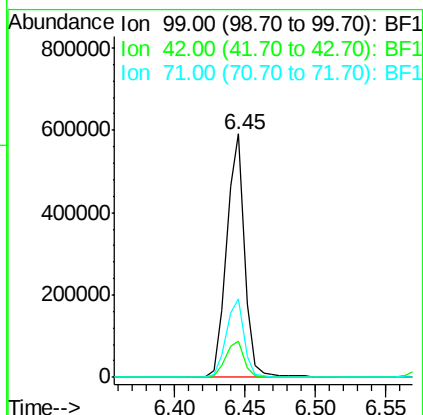
Tot Ion: 99 Resp: 523867

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

71 32.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.827 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

Tgt Ion: 70 Resp: 74762

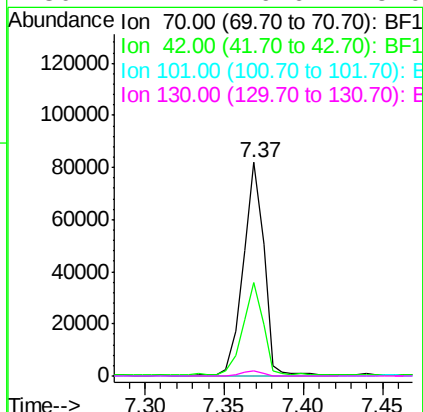
Ion Ratio Lower Upper

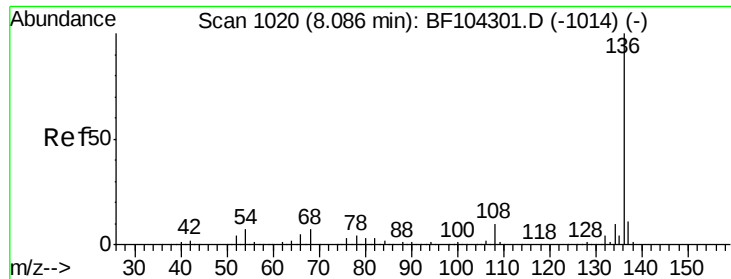
70 100

42 43.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 445431

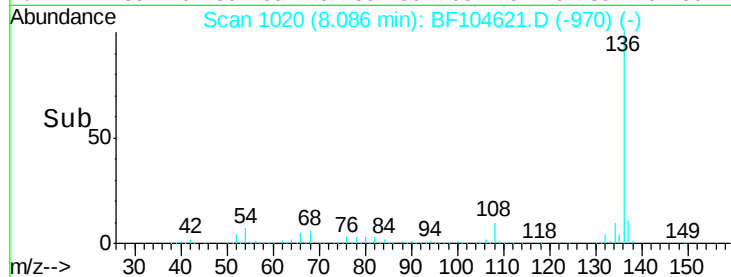
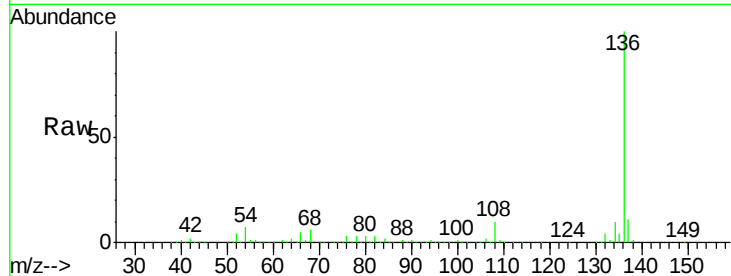
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.2 6.6 9.8

68 6.5 5.0 7.4

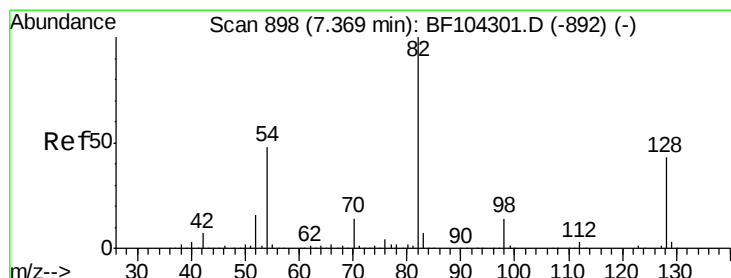
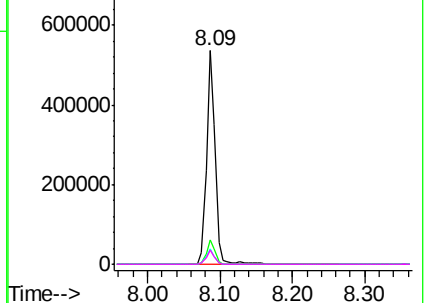


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.999 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

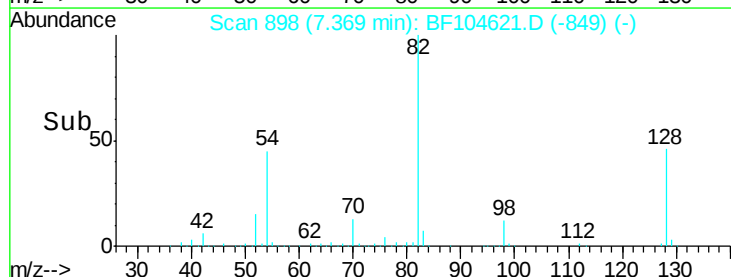
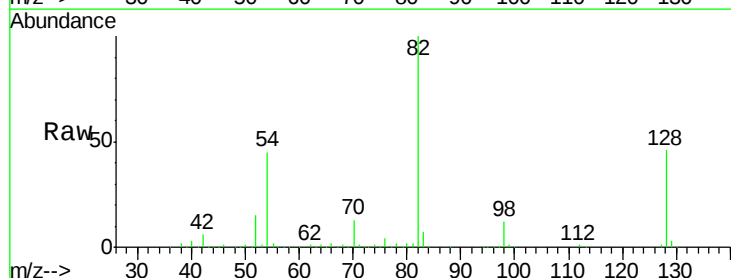
Tgt Ion: 82 Resp: 566179

Ion Ratio Lower Upper

82 100

128 45.6 36.1 54.1

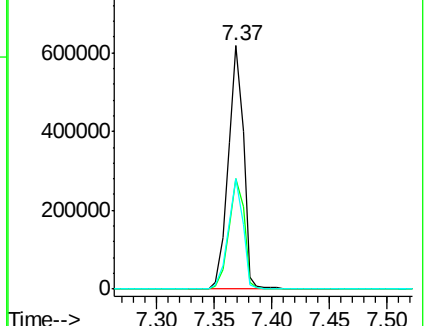
54 45.5 41.4 62.2

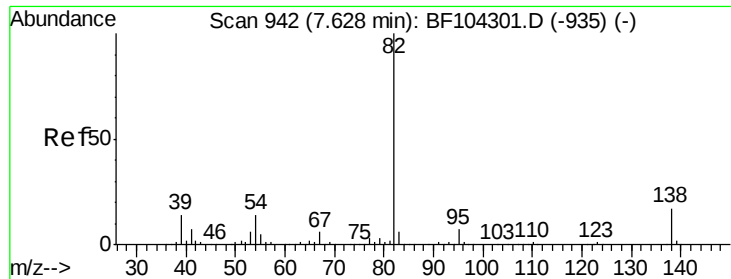


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

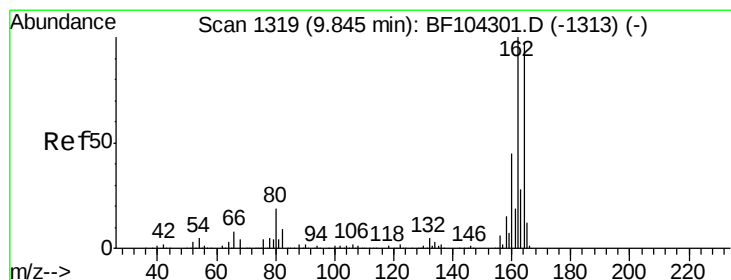
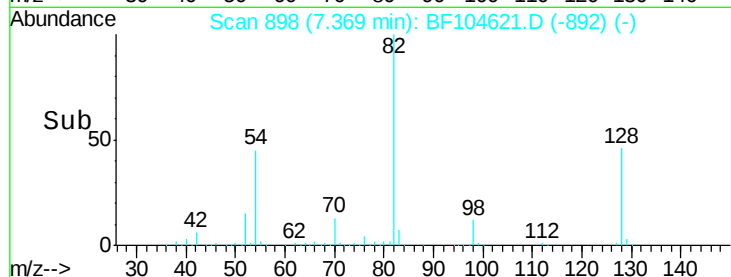
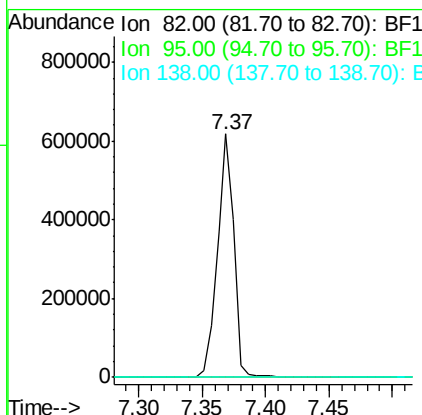
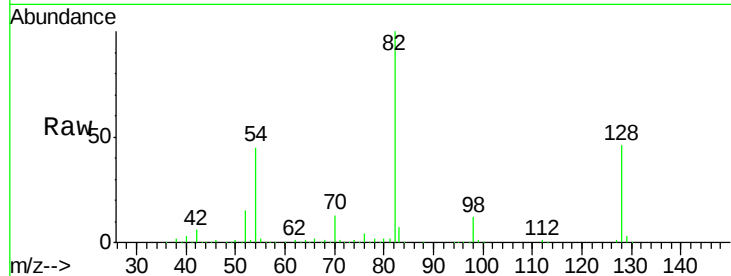




#25
Isophorone
Concen: 39.009 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104621.D
Acq: 19 Apr 2018 10:46

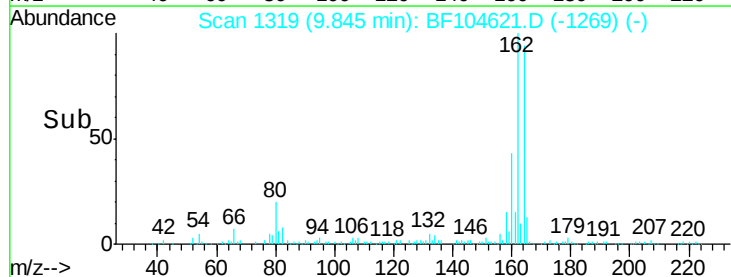
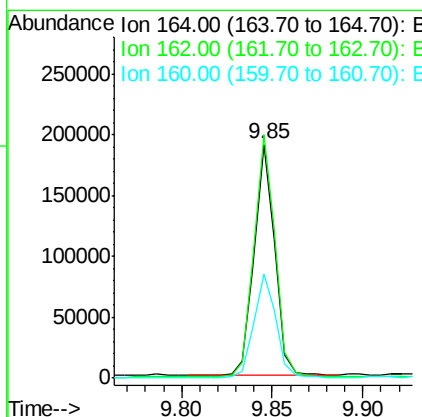
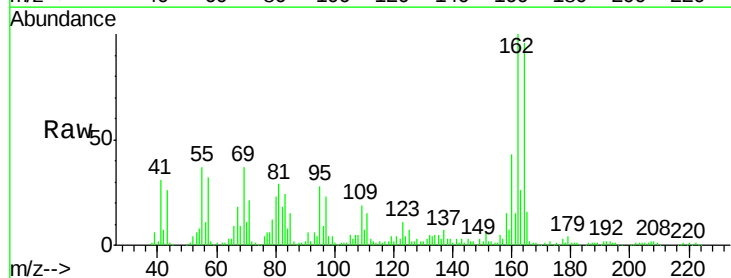
Instrument :
BNA_F
ClientSampleId :

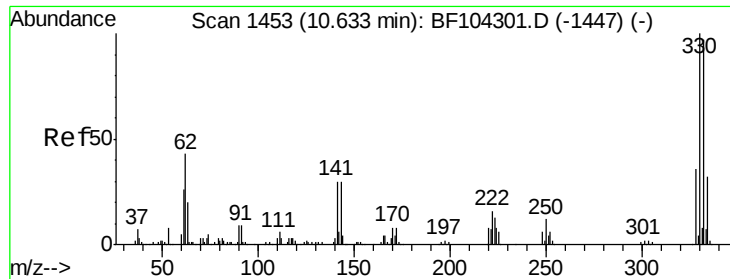
Tot Ion: 82 Resp: 562702
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104621.D
Acq: 19 Apr 2018 10:46

Tgt Ion: 164 Resp: 150237
Ion Ratio Lower Upper
164 100
162 104.3 86.1 129.1
160 44.8 38.3 57.5

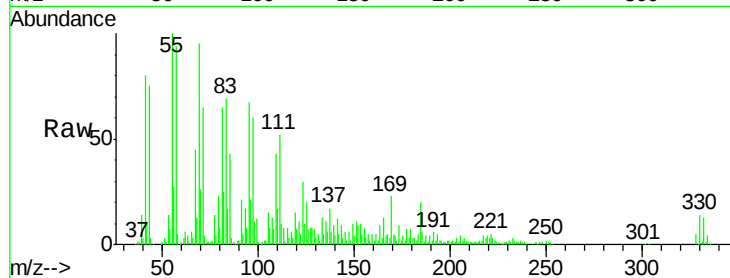




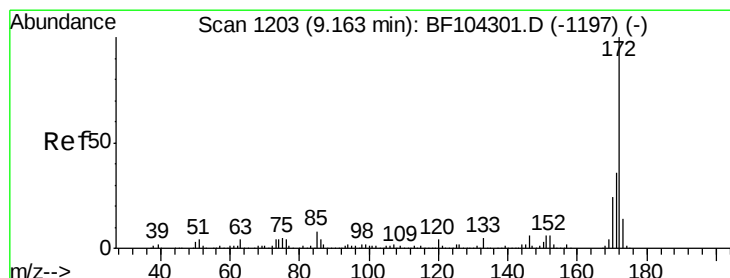
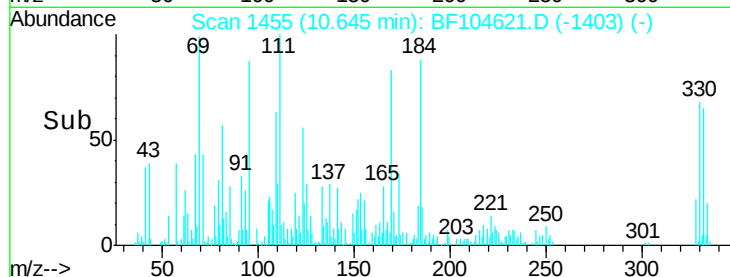
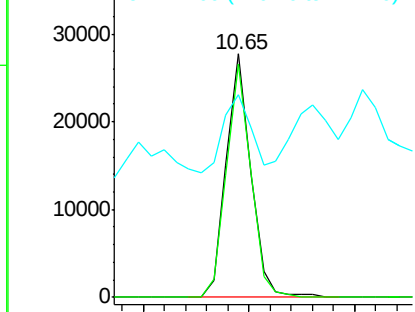
#41
 2,4,6-Tribromophenol
 Concen: 14.291 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104621.D
 Acq: 19 Apr 2018 10:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 22272
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.0 115.6
 141 35.4 29.9 44.9

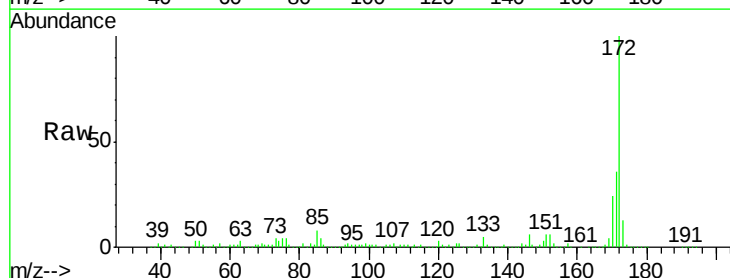


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

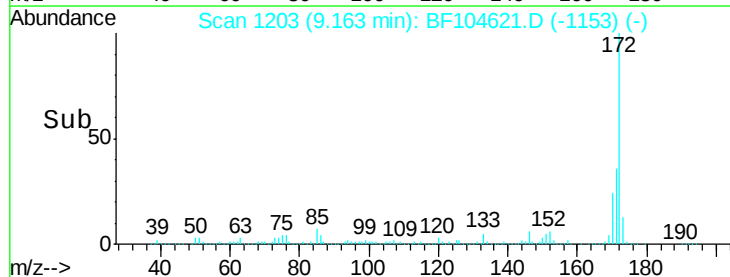
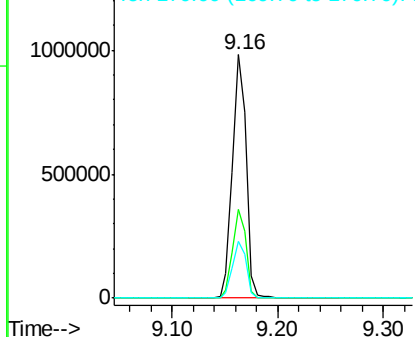


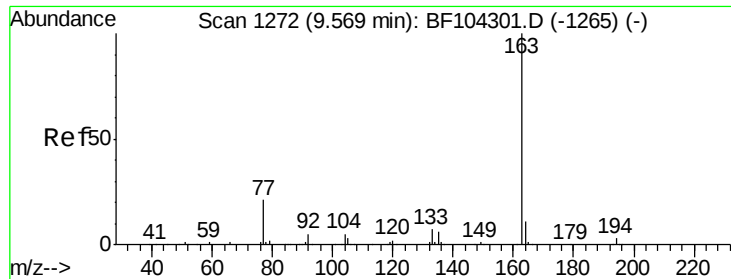
#44
 2-Fluorobiphenyl
 Concen: 91.879 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104621.D
 Acq: 19 Apr 2018 10:46

Tgt Ion:172 Resp: 873781
 Ion Ratio Lower Upper
 172 100
 171 36.4 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

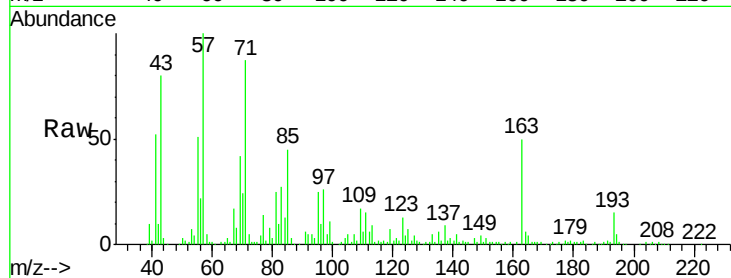




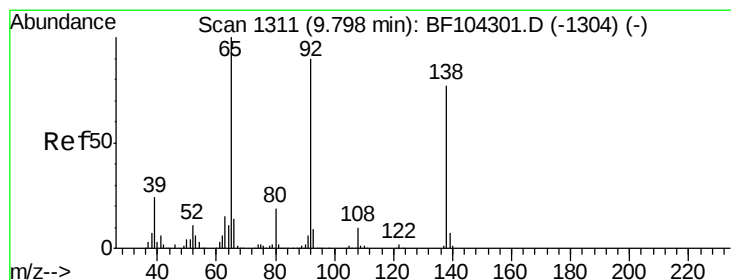
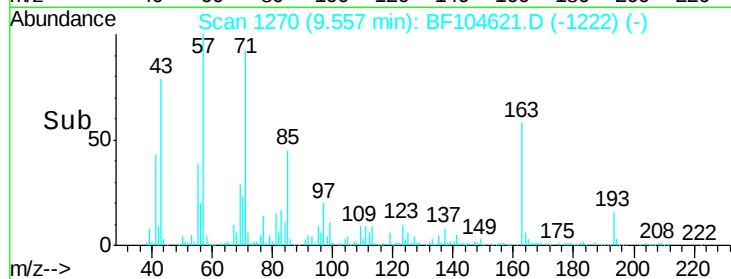
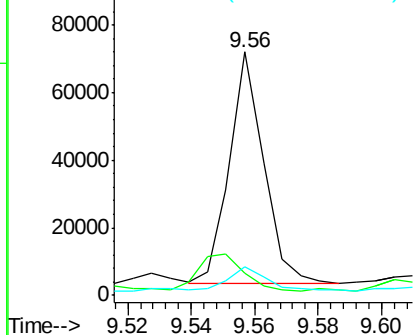
#49
Dimethylphthalate
Concen: 4.346 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104621.D
Acq: 19 Apr 2018 10:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 51488
Ion Ratio Lower Upper
163 100
194 9.3 2.7 4.1#
164 11.7 8.2 12.2

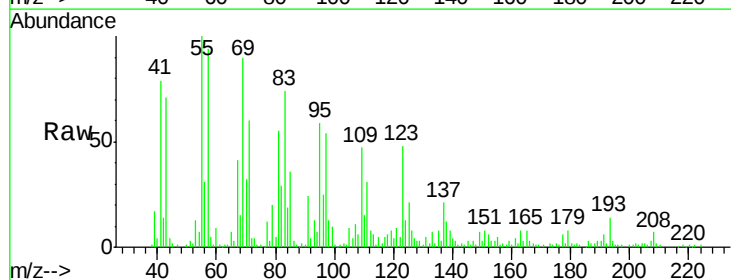


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

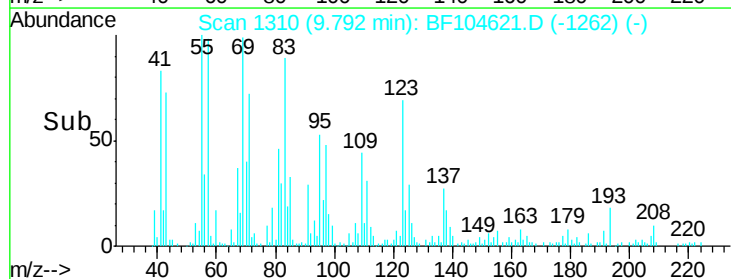
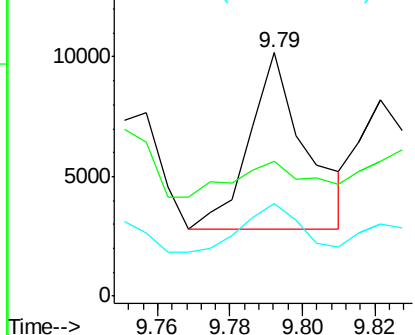


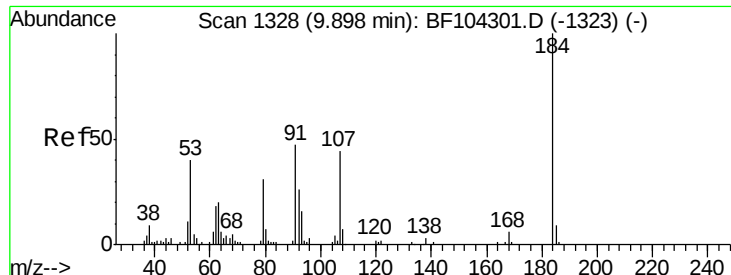
#52
3-Nitroaniline
Concen: 3.100 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF104621.D
Acq: 19 Apr 2018 10:46

Tgt Ion:138 Resp: 7957
Ion Ratio Lower Upper
138 100
108 55.3 9.4 14.0#
92 38.1 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

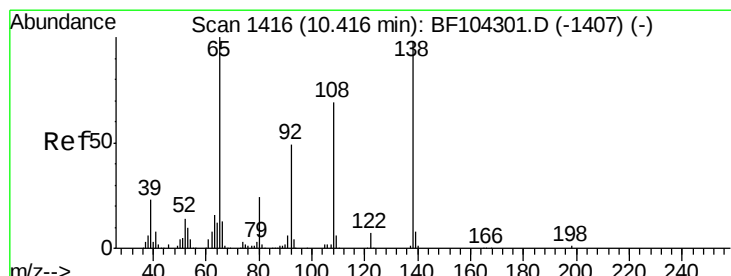
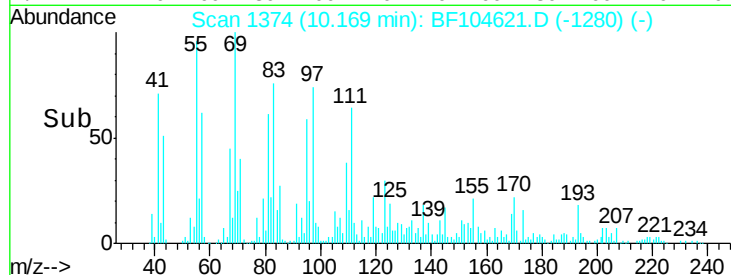
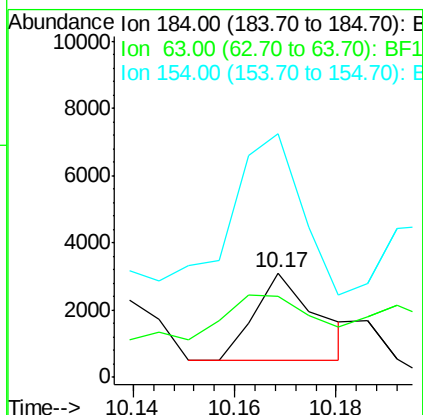
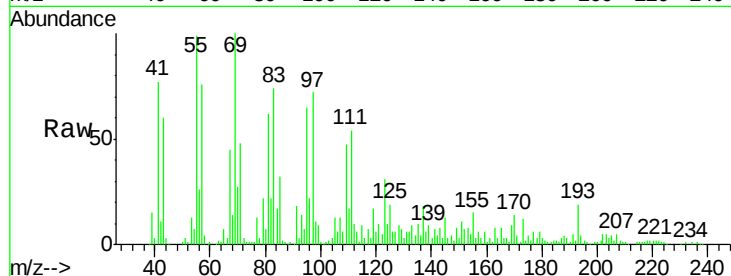




#53
 2,4-Dinitrophenol
 Concen: 8.772 ng
 RT: 10.17 min Scan# 1374
 Delta R.T. 0.25 min
 Lab File: BF104621.D
 Acq: 19 Apr 2018 10:46

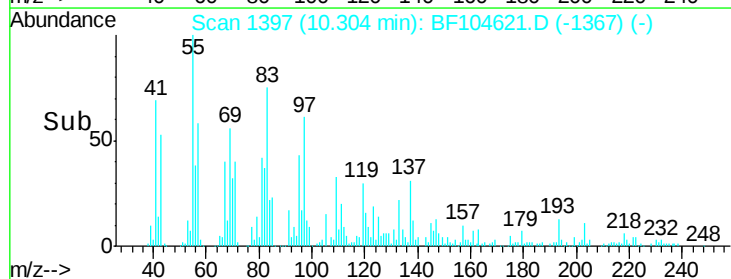
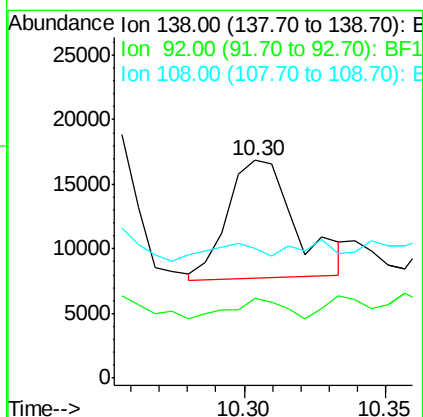
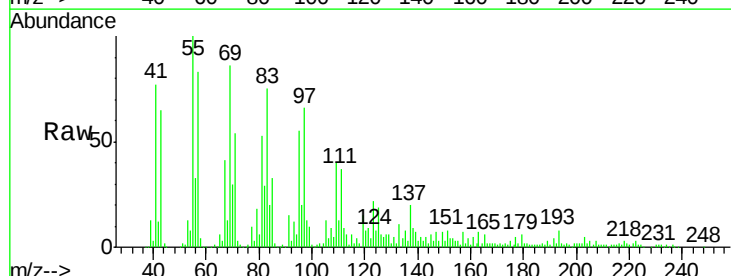
Instrument :
 BNA_F
 ClientSampleId :

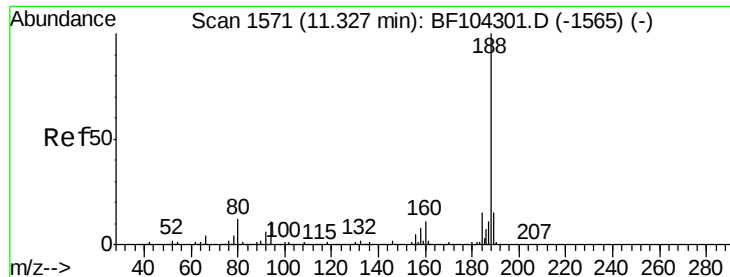
Tot Ion:184 Resp: 2231
 Ion Ratio Lower Upper
 184 100
 63 78.2 54.2 81.2
 154 233.2 184.0 276.0



#61
 4-Nitroaniline
 Concen: 6.125 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.12 min
 Lab File: BF104621.D
 Acq: 19 Apr 2018 10:46

Tgt Ion:138 Resp: 15369
 Ion Ratio Lower Upper
 138 100
 92 36.7 30.2 70.2
 108 59.5 52.5 92.5





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

Instrument :

BNA_F

ClientSampleId :

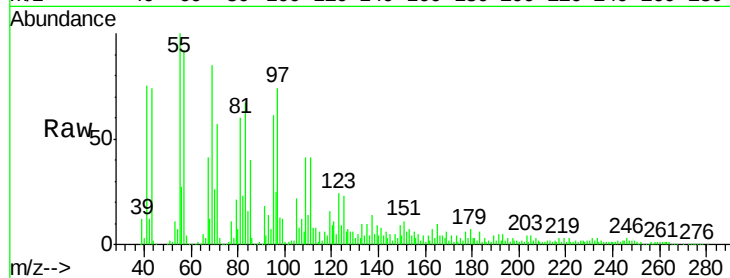
Tot Ion:188 Resp: 3637

Ion Ratio Lower Upper

188 100

94 766.5 8.5 12.7#

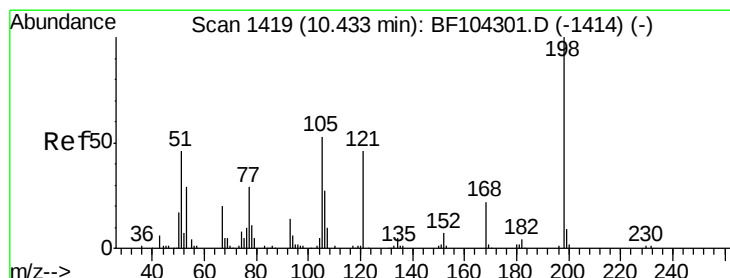
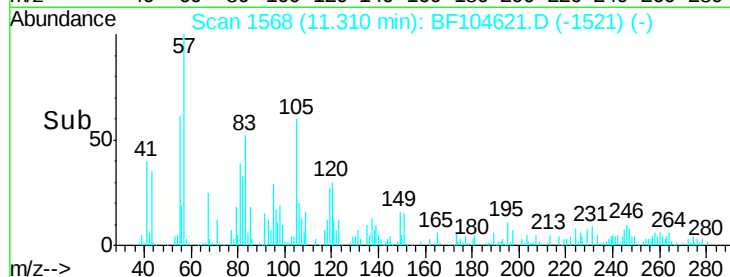
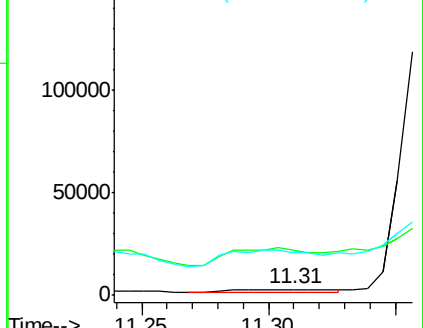
80 724.6 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 83.229 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.04 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

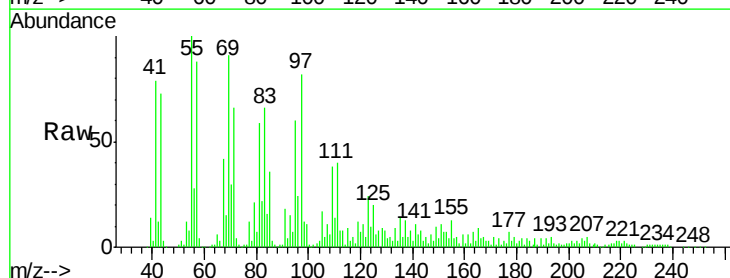
Tgt Ion:198 Resp: 1587

Ion Ratio Lower Upper

198 100

51 184.7 37.7 77.7#

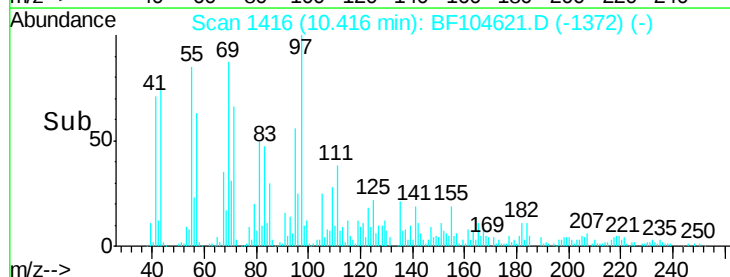
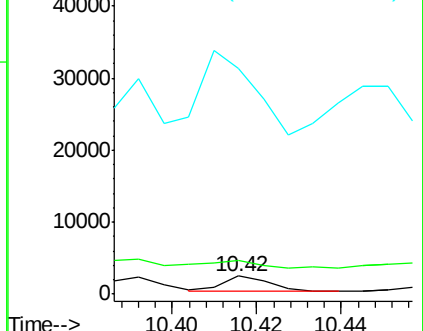
105 1245.3 36.3 76.3#

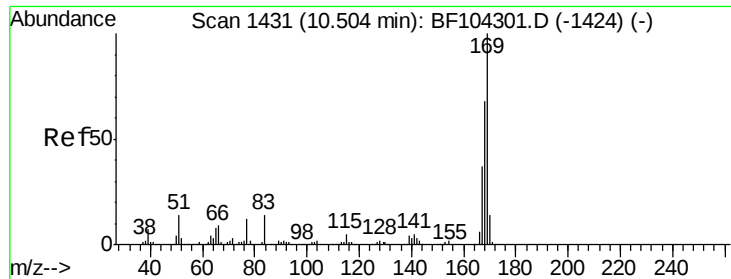


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 358.664 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

Instrument :

BNA_F

ClientSampleId :

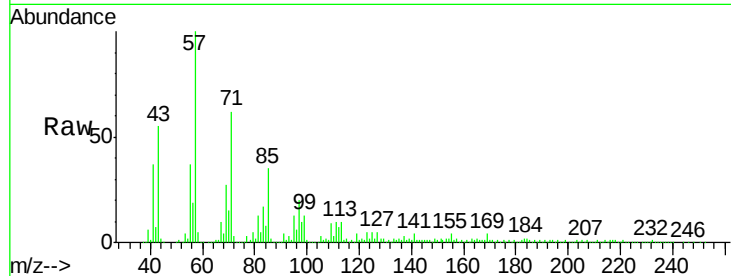
Tot Ion:169 Resp: 45229

Ion Ratio Lower Upper

169 100

168 26.9 54.4 81.6#

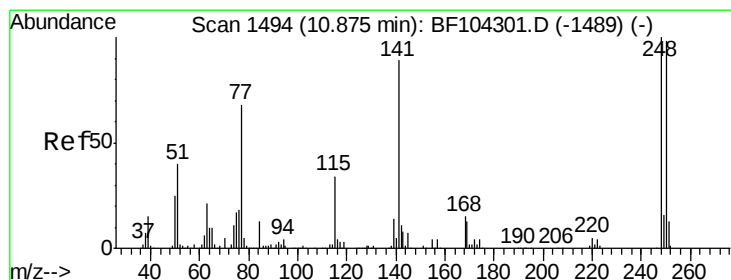
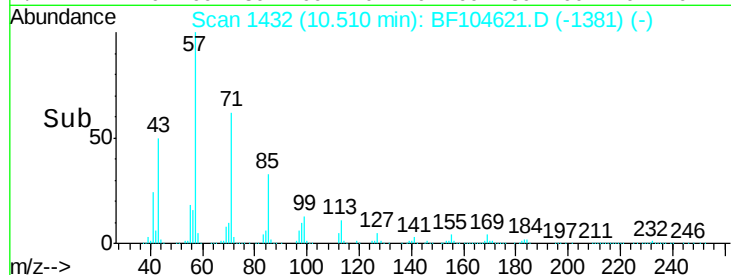
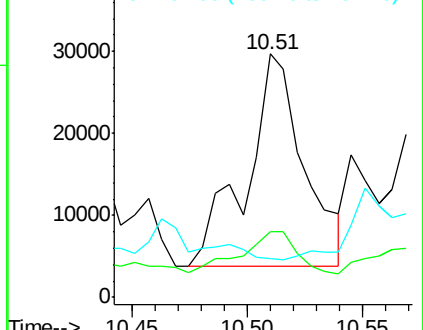
167 15.9 29.8 44.6#



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



#66

4-Bromophenyl-phenylether

Concen: 25.048 ng

RT: 10.87 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

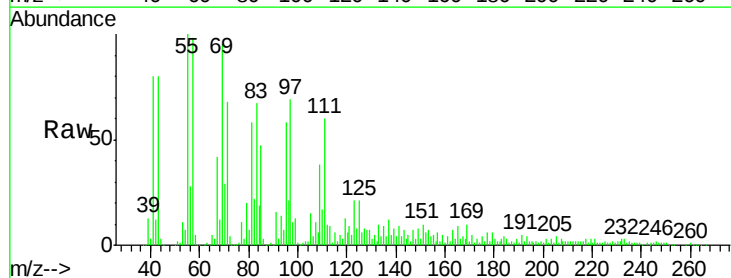
Tgt Ion:248 Resp: 969

Ion Ratio Lower Upper

248 100

250 100.6 76.9 115.3

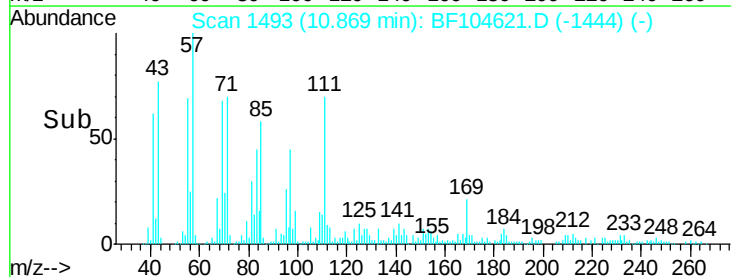
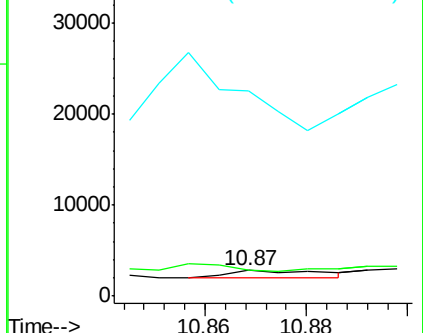
141 803.1 74.4 111.6#

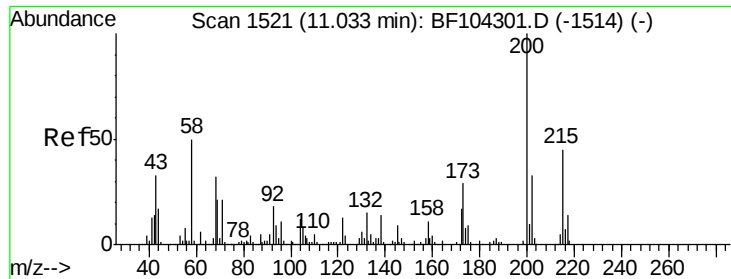


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

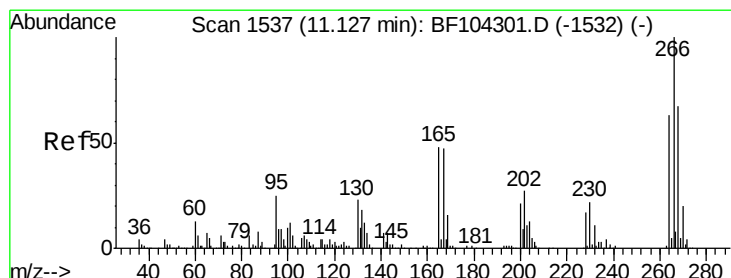
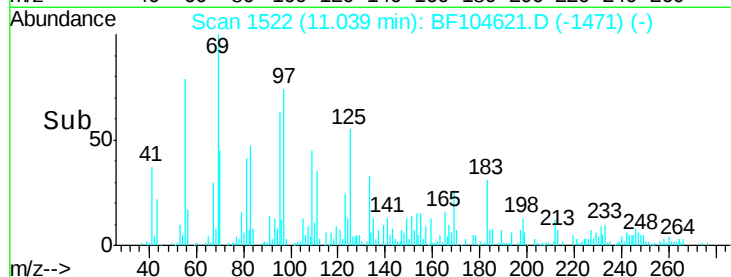
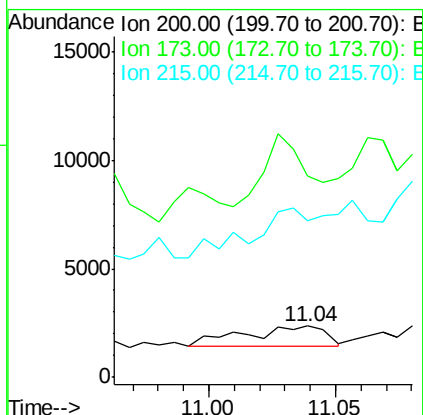
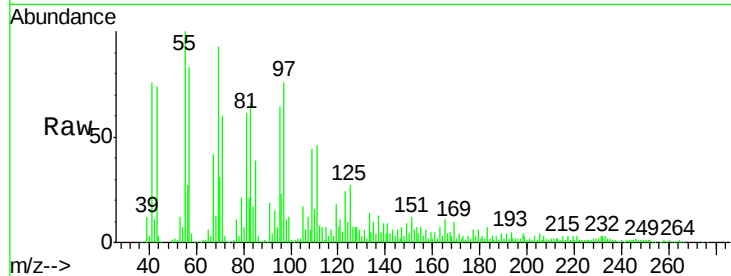




#68
Atrazine
Concen: 56.169 ng
RT: 11.04 min Scan# 1522
Delta R.T. -0.00 min
Lab File: BF104621.D
Acq: 19 Apr 2018 10:46

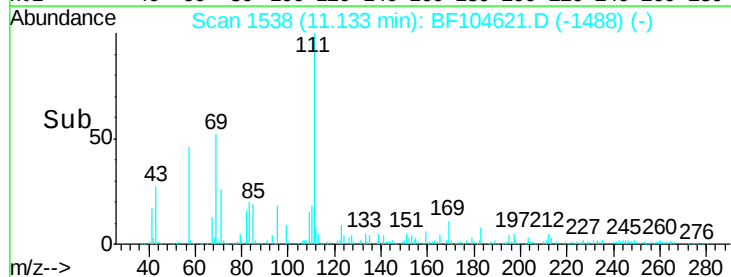
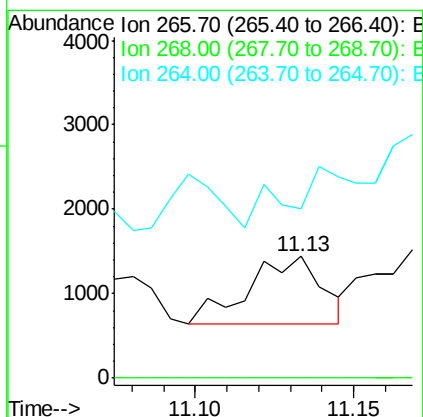
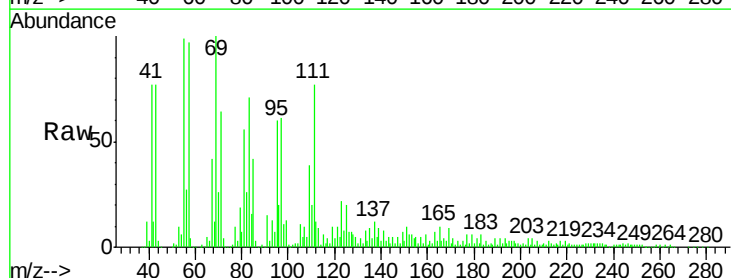
Instrument :
BNA_F
ClientSampleId :

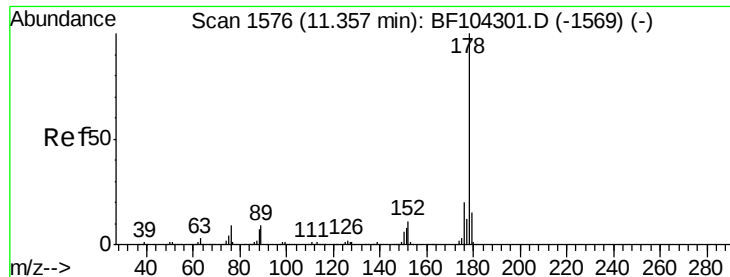
Tot Ion:200 Resp: 2138
Ion Ratio Lower Upper
200 100
173 394.2 8.6 48.6#
215 305.7 25.1 65.1#



#69
Pentachlorophenol
Concen: 47.568 ng
RT: 11.13 min Scan# 1538
Delta R.T. -0.01 min
Lab File: BF104621.D
Acq: 19 Apr 2018 10:46

Tgt Ion:266 Resp: 1281
Ion Ratio Lower Upper
266 100
268 0.0 51.1 76.7#
264 139.3 49.5 74.3#





#70

Phenanthrene

Concen: 12.664 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.06 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

Instrument :

BNA_F

ClientSampleId :

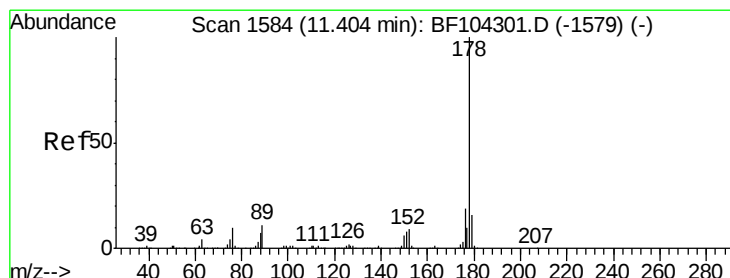
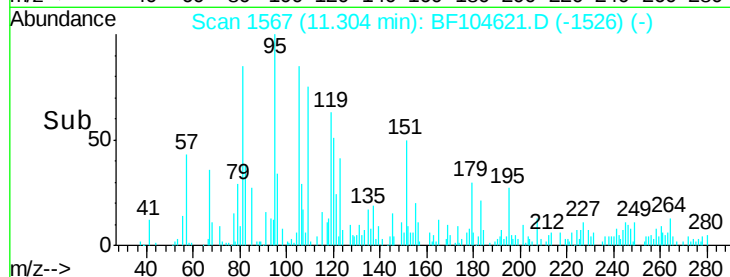
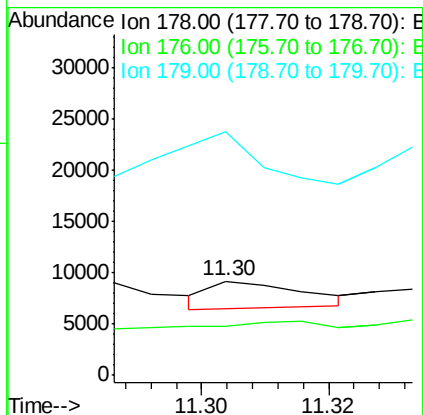
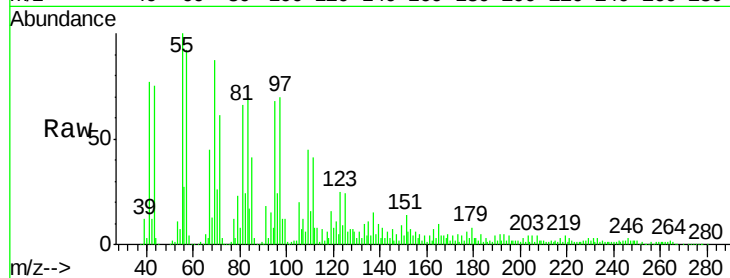
Tot Ion:178 Resp: 2565

Ion Ratio Lower Upper

178 100

176 51.5 15.8 23.8#

179 258.1 13.0 19.6#



#71

Anthracene

Concen: 166.485 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.04 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

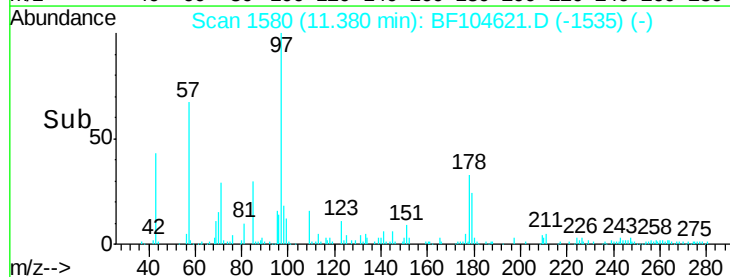
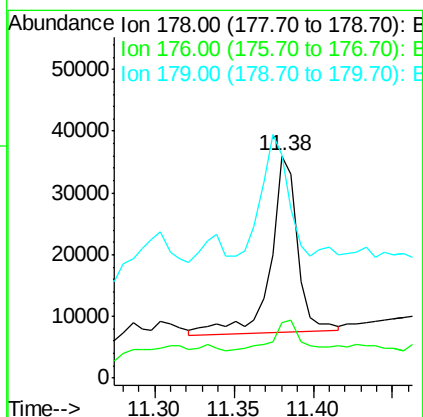
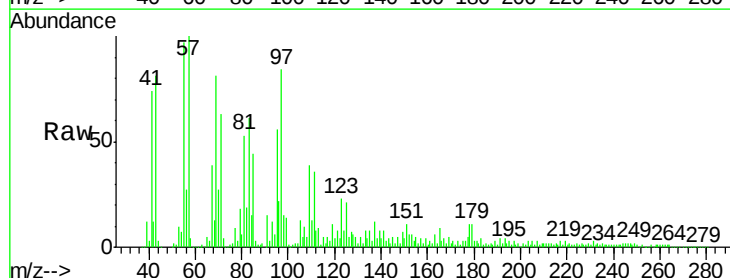
Tgt Ion:178 Resp: 34277

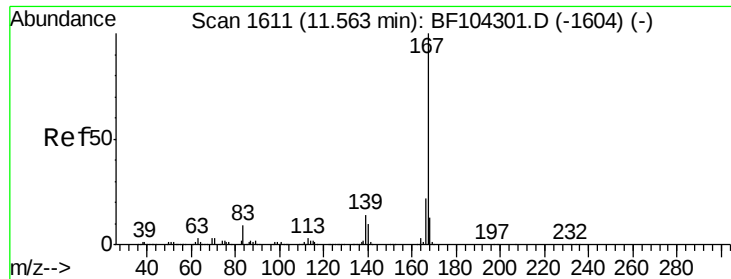
Ion Ratio Lower Upper

178 100

176 24.9 15.4 23.2#

179 100.1 12.6 19.0#





#72

Carbazole

Concen: 15.200 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.03 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

Instrument :

BNA_F

ClientSampled :

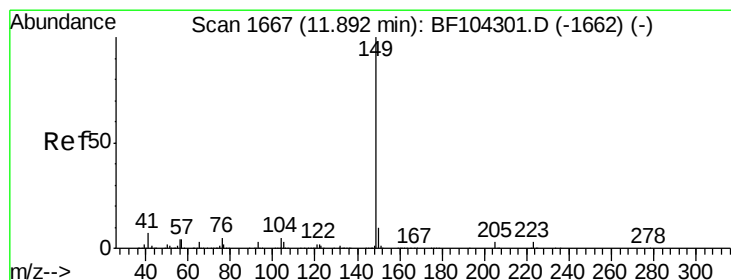
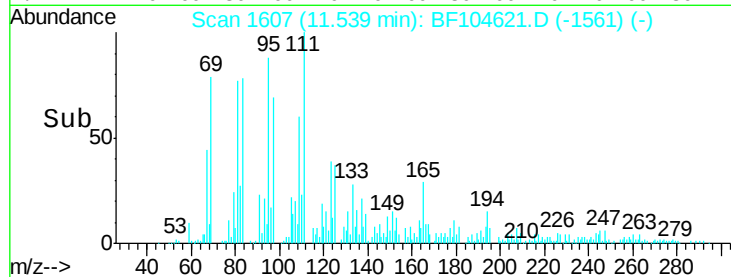
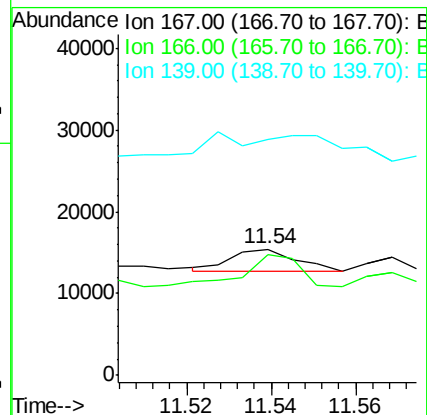
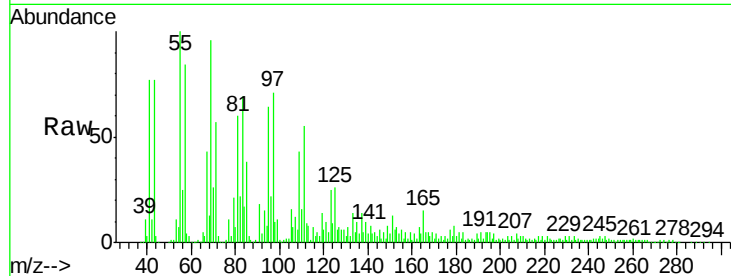
Tot Ion:167 Resp: 3058

Ion Ratio Lower Upper

167 100

166 95.9 17.6 26.4#

139 187.2 10.9 16.3#



#73

Di-n-butylphthalate

Concen: 18.766 ng

RT: 11.85 min Scan# 1660

Delta R.T. -0.04 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

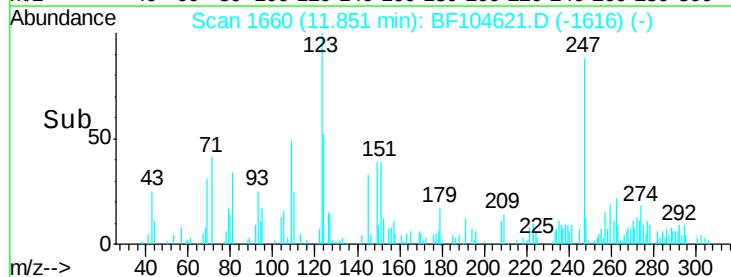
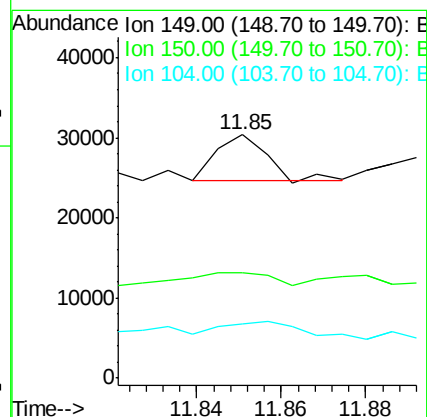
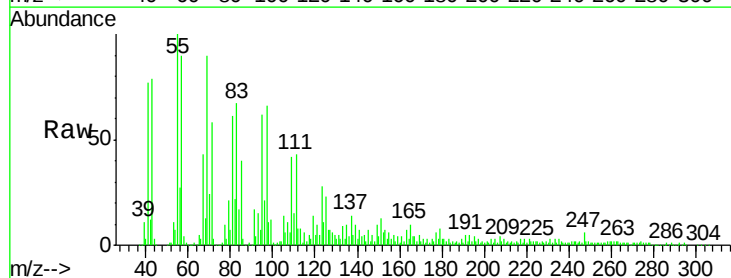
Tgt Ion:149 Resp: 4612

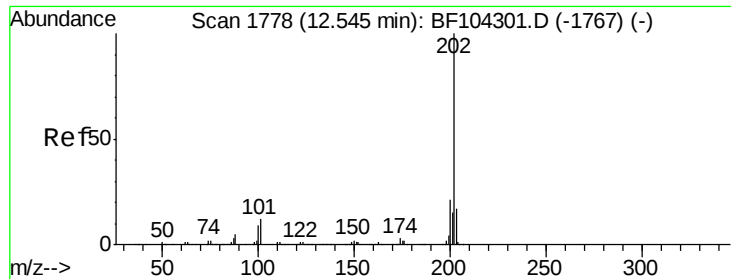
Ion Ratio Lower Upper

149 100

150 43.2 7.8 11.6#

104 22.3 3.8 5.8#





#74

Fluoranthene

Concen: 7.797 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

Instrument :

BNA_F

ClientSampleId :

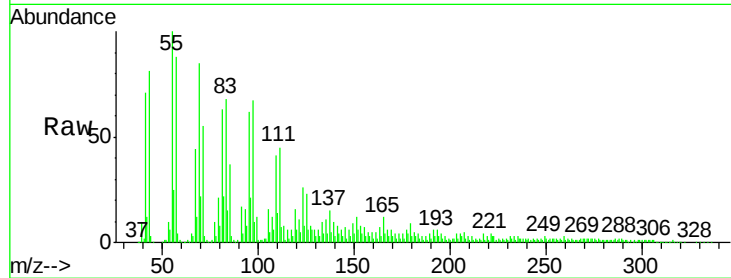
Tot Ion:202 Resp: 1650

Ion Ratio Lower Upper

202 100

101 35.0 0.0 34.1#

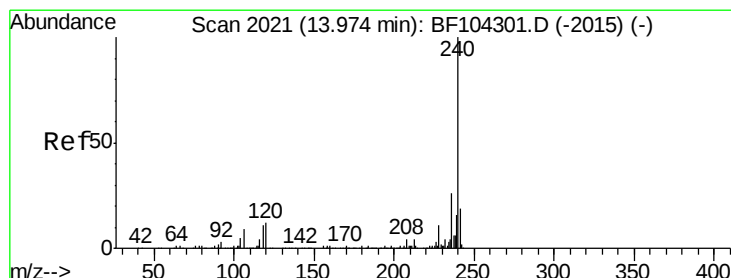
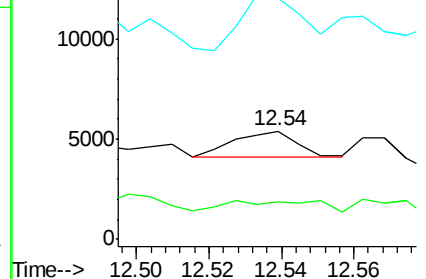
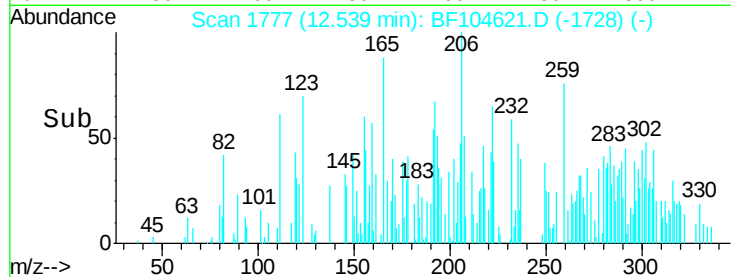
203 223.0 0.0 38.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.04 min

Lab File: BF104621.D

Acq: 19 Apr 2018 10:46

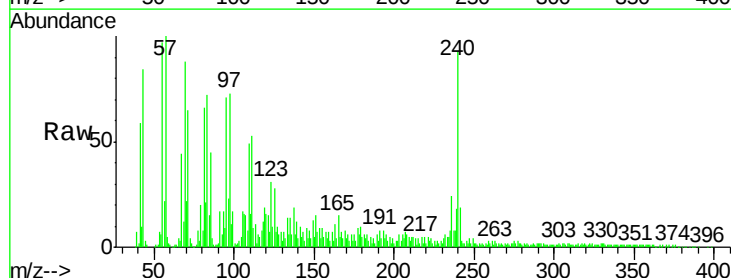
Tgt Ion:240 Resp: 163011

Ion Ratio Lower Upper

240 100

120 17.7 9.5 14.3#

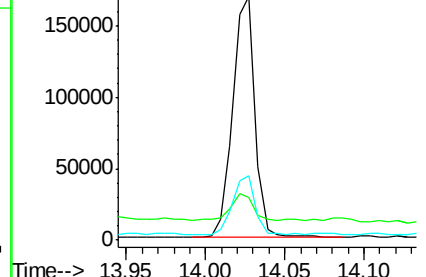
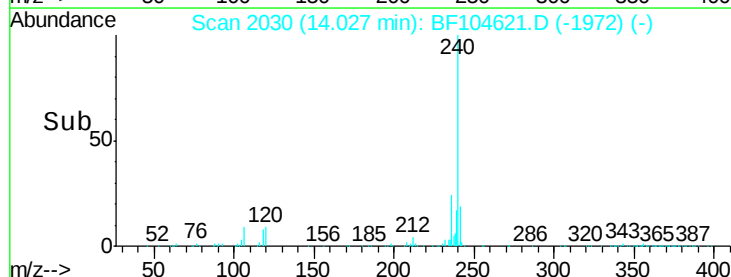
236 26.2 20.7 31.1

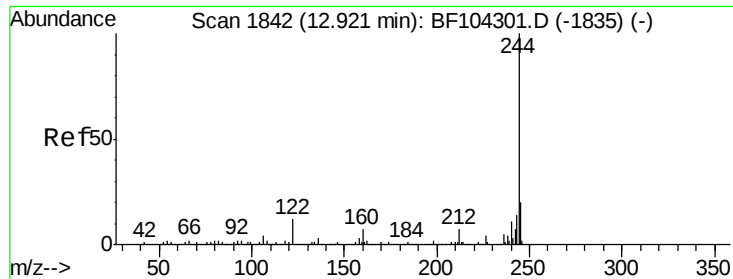


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

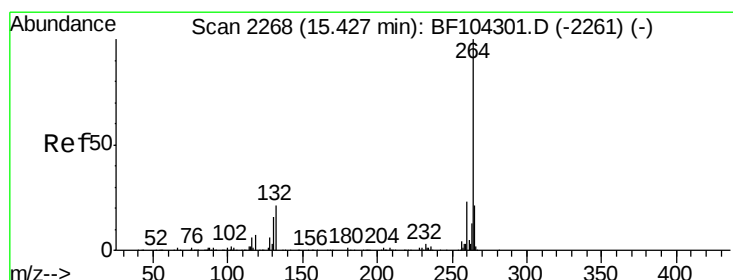
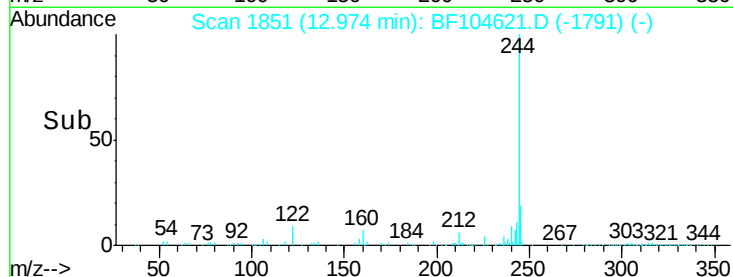
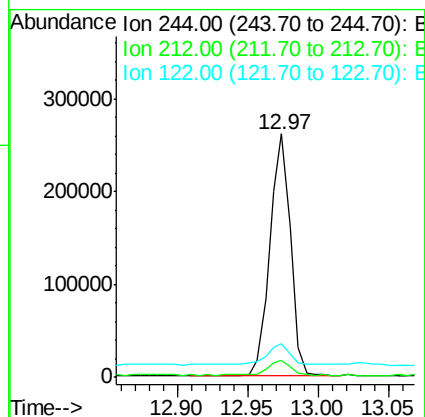
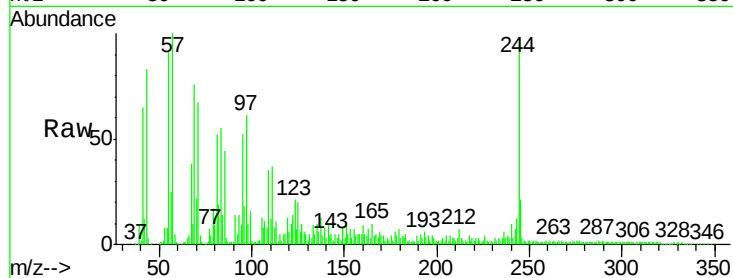




#78
 Terphenyl-d14
 Concen: 37.471 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. 0.05 min
 Lab File: BF104621.D
 Acq: 19 Apr 2018 10:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 267926
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 14.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.02 min
 Lab File: BF104621.D
 Acq: 19 Apr 2018 10:46

Tgt Ion:264 Resp: 236117
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.2 28.8
 265 22.7 17.5 26.3

