

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104783.D
 Acq On : 25 Apr 2018 12:45
 Operator : JU/SJ
 Sample : J2501-02DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 14:06:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	109051	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	451307	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	153919	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	147933	20.00	ng	0.02
75) Chrysene-d12	14.02	240	61026	20.00	ng	0.04
86) Perylene-d12	15.52	264	225432	20.00	ng	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	76469	10.72	ng	0.00
7) Phenol-d6	6.43	99	58491	6.67	ng	-0.01
23) Nitrobenzene-d5	7.36	82	120462	17.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	23359	14.63	ng	0.01
44) 2-Fluorobiphenyl	9.16	172	222218	22.81	ng	0.00
78) Terphenyl-d14	12.95	244	104988	39.22	ng	0.02

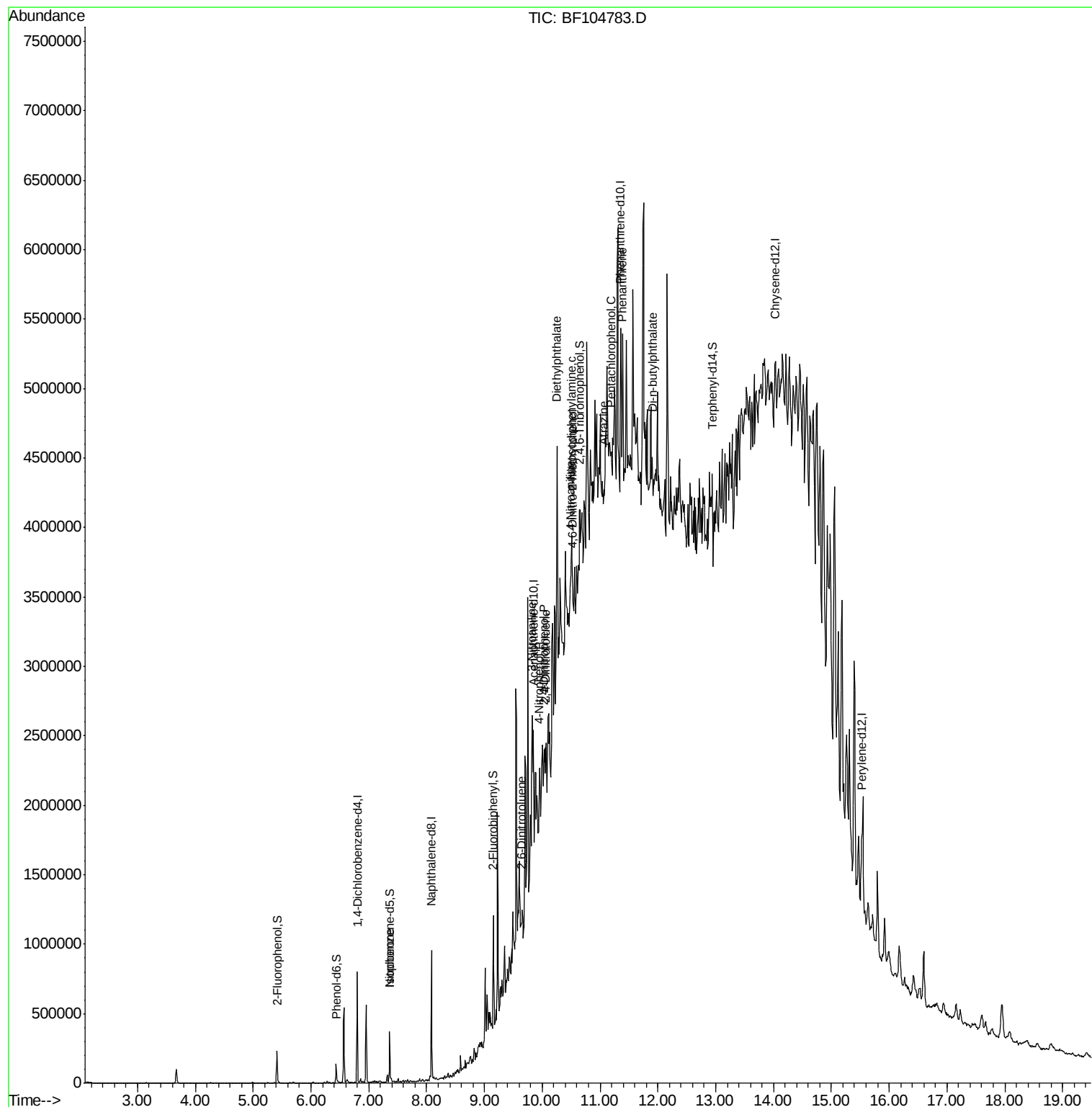
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	3024	Below Cal		# 81
25) Isophorone	7.36	82	120460	8.242	ng	# 64
50) 2,6-Dinitrotoluene	9.64	165	12283	5.469	ng	# 34
52) 3-Nitroaniline	9.82	138	10943	4.162	ng	# 24
53) 2,4-Dinitrophenol	10.04	184	1275	7.186	ng	# 1
55) 4-Nitrophenol	9.96	139	5960	2.886	ng	# 1
56) 2,4-Dinitrotoluene	10.05	165	6188	2.100	ng	# 59
59) Diethylphthalate	10.26	149	59664	4.936	ng	# 61
61) 4-Nitroaniline	10.49	138	5988	2.329	ng	# 85
64) 4,6-Dinitro-2-methylphenol	10.53	198	2933	10.795	ng	# 1
65) n-Nitrosodiphenylamine	10.52	169	46728	9.110	ng	# 48
68) Atrazine	11.07	200	4542	2.934	ng	# 1
69) Pentachlorophenol	11.19	266	2336	2.133	ng	# 38
70) Phenanthrene	11.38	178	42311	5.136	ng	# 64
73) Di-n-butylphthalate	11.90	149	31885	3.190	ng	# 27
76) Benzidine	12.72	184	1134	Below Cal		# 1

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

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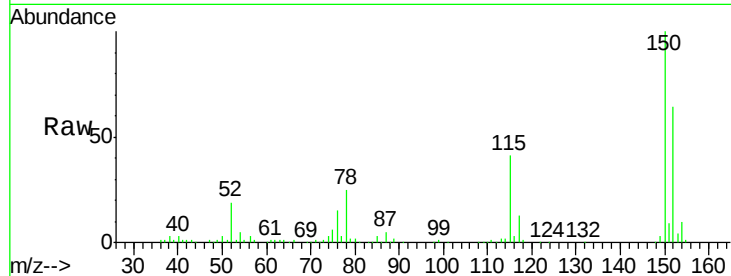


#1

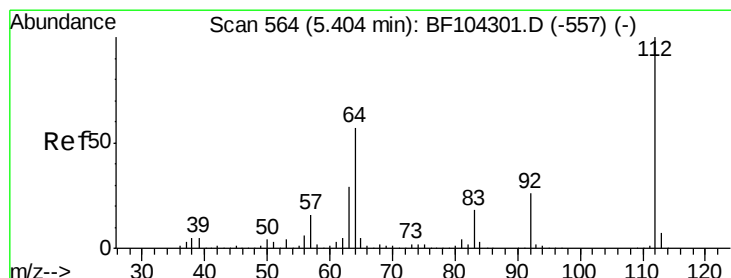
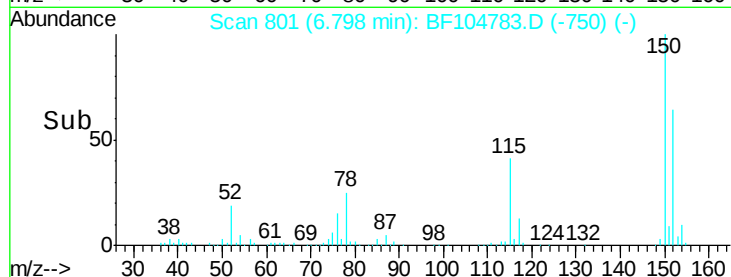
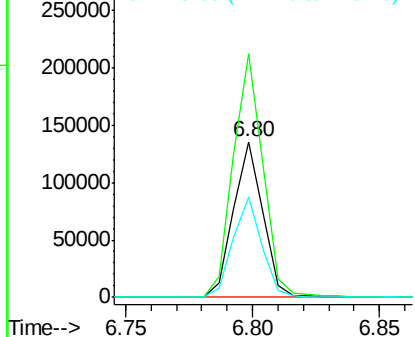
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104783.D
Acq: 25 Apr 2018 12:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 109051
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 64.4 50.1 75.1



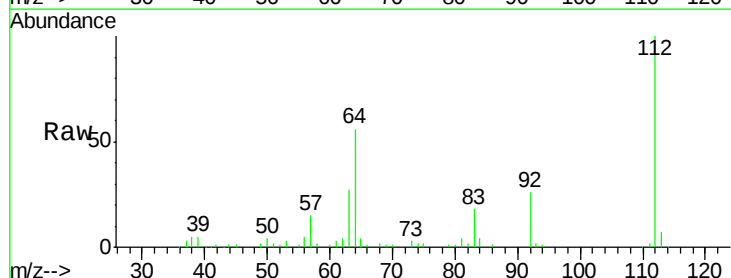
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



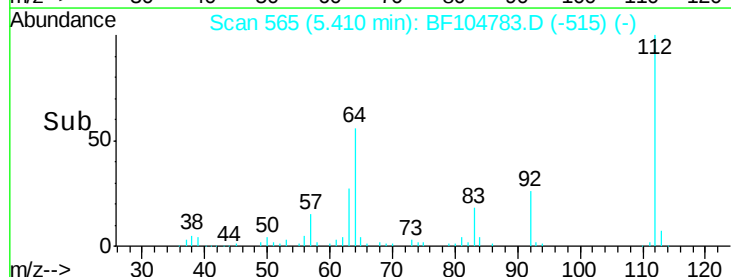
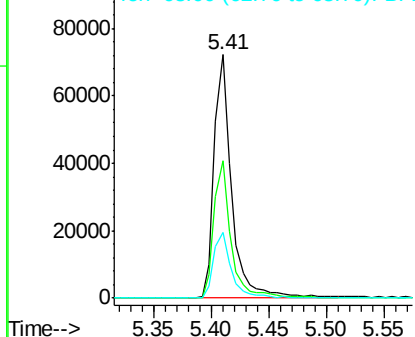
#5

2-Fluorophenol
Concen: 10.722 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104783.D
Acq: 25 Apr 2018 12:45

Tgt Ion:112 Resp: 76469
Ion Ratio Lower Upper
112 100
64 56.2 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): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 6.675 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

Instrument :

BNA_F

ClientSampleId :

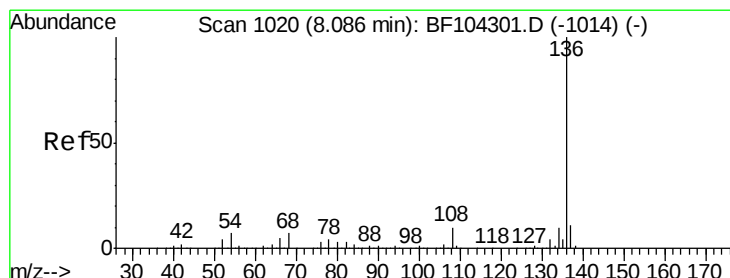
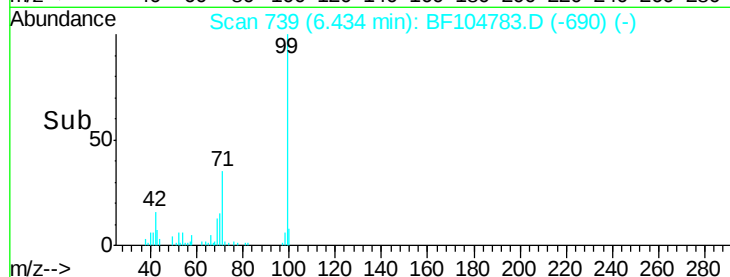
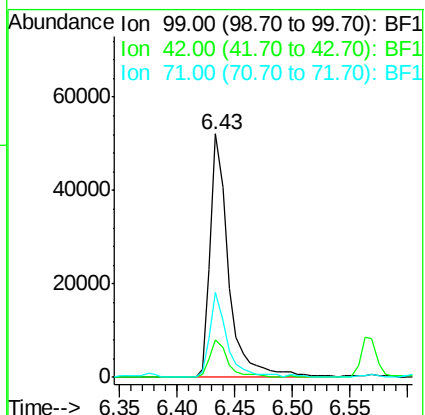
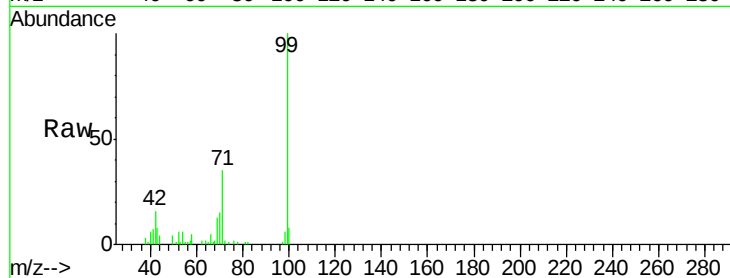
Tot Ion: 99 Resp: 58491

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

71 35.0 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

Tgt Ion: 136 Resp: 451307

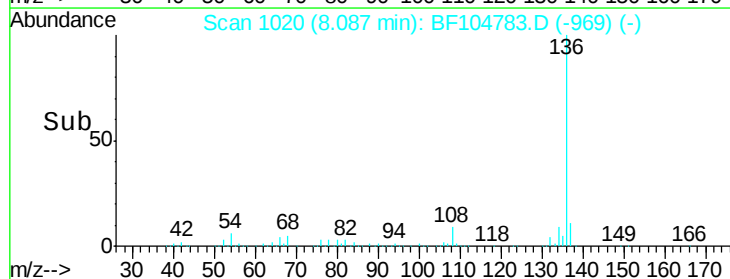
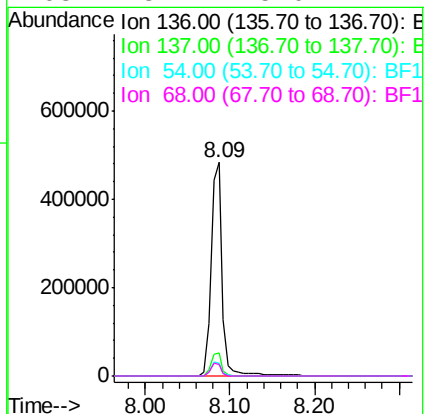
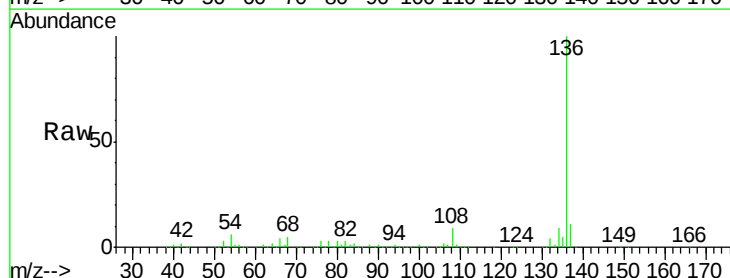
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 5.8 6.6 9.8#

68 5.2 5.0 7.4

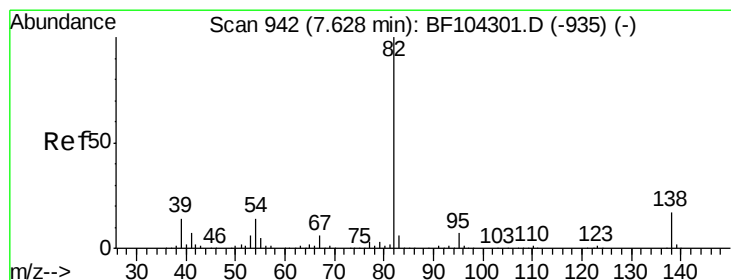
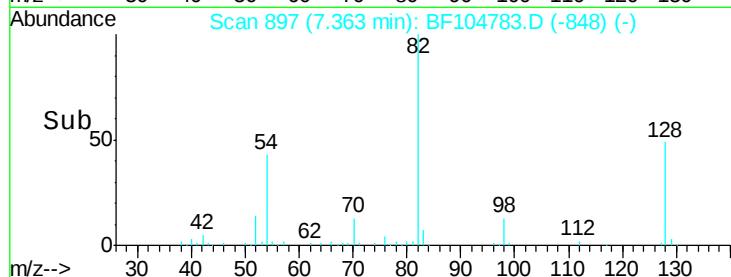
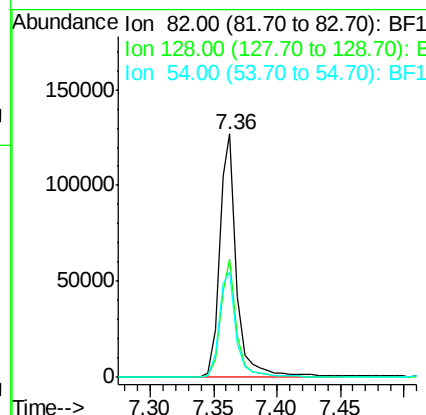
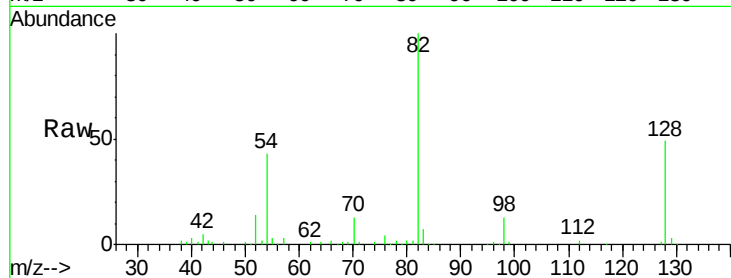




#23
 Nitrobenzene-d5
 Concen: 17.429 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF104783.D
 Acq: 25 Apr 2018 12:45

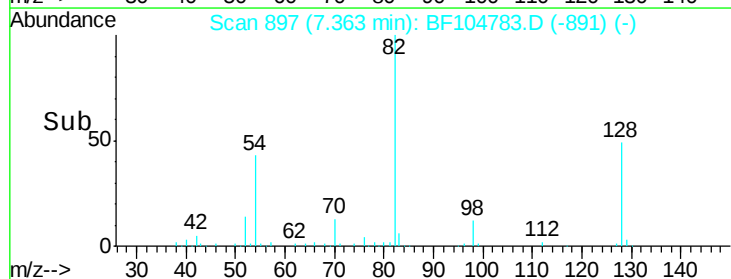
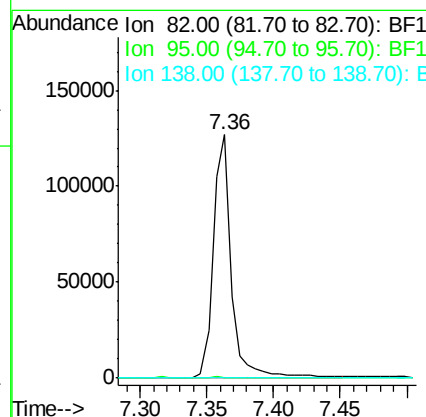
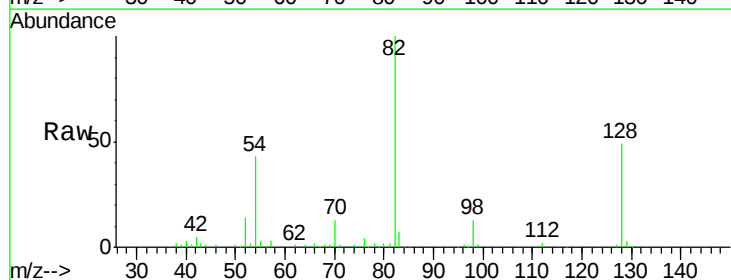
Instrument :
 BNA_F
 ClientSampleID :

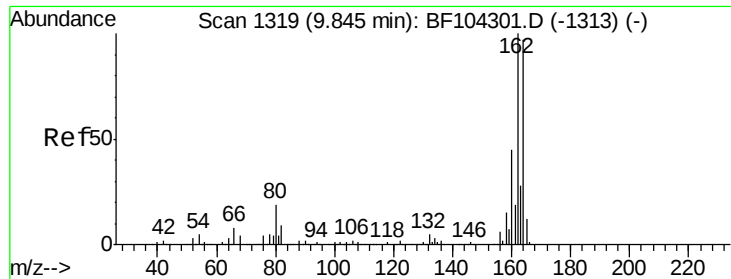
Tot Ion: 82 Resp: 120462
 Ion Ratio Lower Upper
 82 100
 128 48.5 36.1 54.1
 54 43.3 41.4 62.2



#25
 Isophorone
 Concen: 8.242 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.26 min
 Lab File: BF104783.D
 Acq: 25 Apr 2018 12:45

Tgt Ion: 82 Resp: 120460
 Ion Ratio Lower Upper
 82 100
 95 0.3 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. -0.00 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

Instrument :

BNA_F

ClientSampleId :

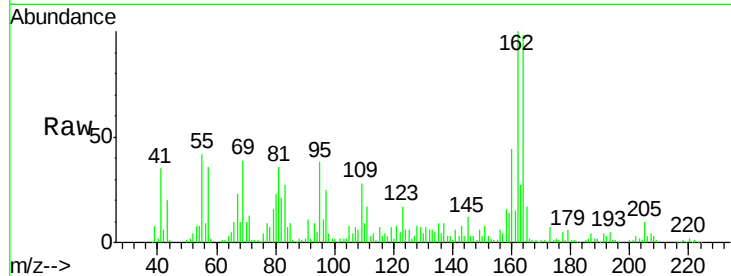
Tot Ion:164 Resp: 153919

Ion Ratio Lower Upper

164 100

162 102.0 86.1 129.1

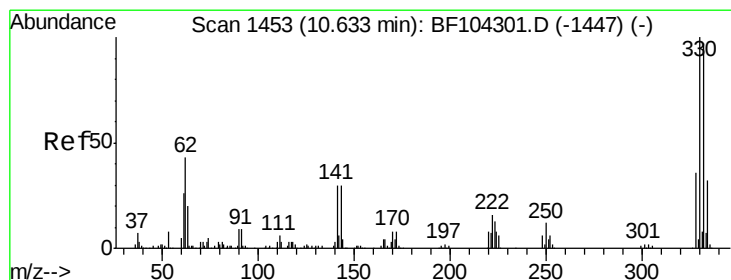
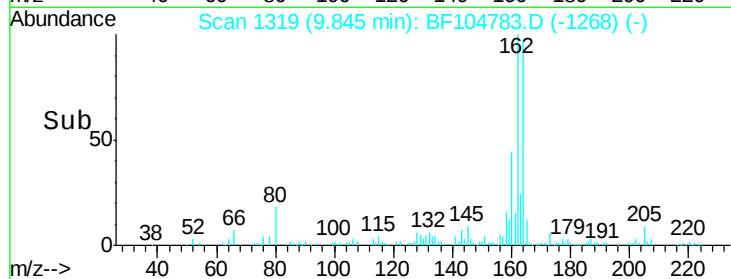
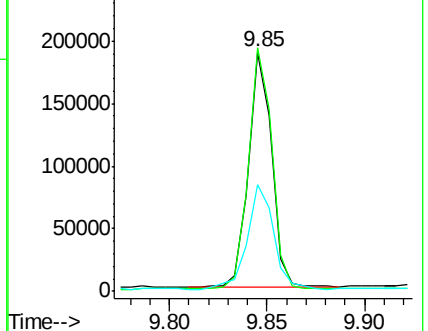
160 44.9 38.3 57.5



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: 14.630 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.01 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

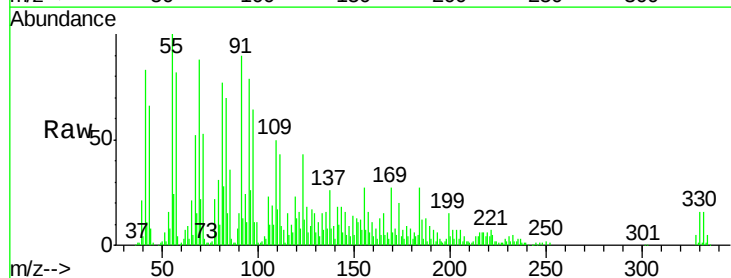
Tgt Ion:330 Resp: 23359

Ion Ratio Lower Upper

330 100

332 99.0 77.0 115.6

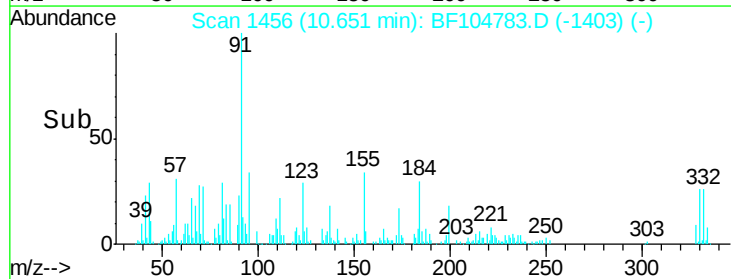
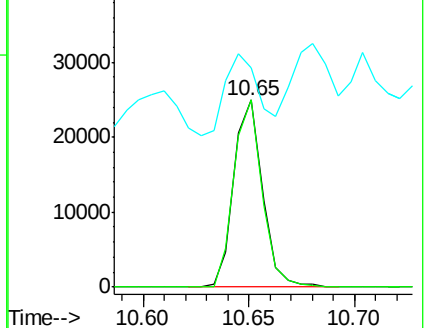
141 51.3 29.9 44.9#

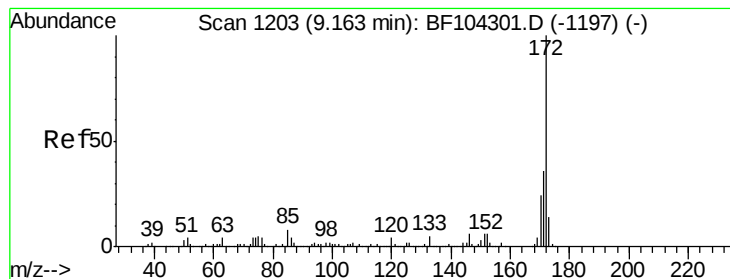


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 22.807 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

Instrument :

BNA_F

ClientSampleId :

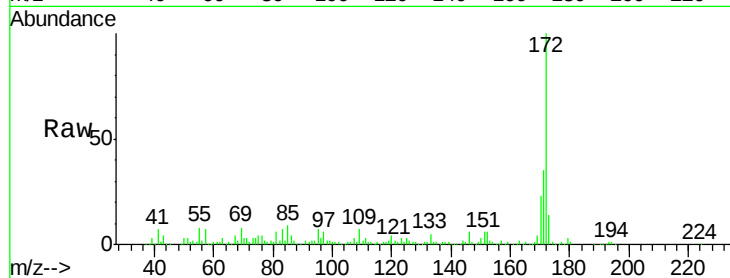
Tot Ion:172 Resp: 222218

Ion Ratio Lower Upper

172 100

171 35.3 29.7 44.5

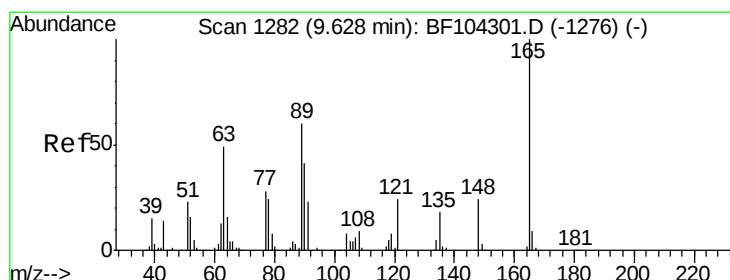
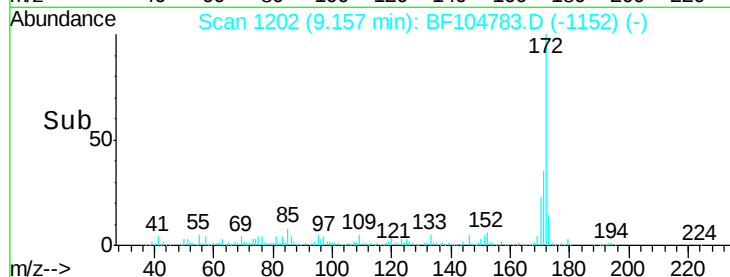
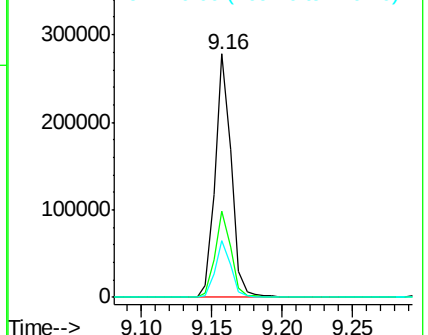
170 23.3 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 5.469 ng

RT: 9.64 min Scan# 1284

Delta R.T. 0.01 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

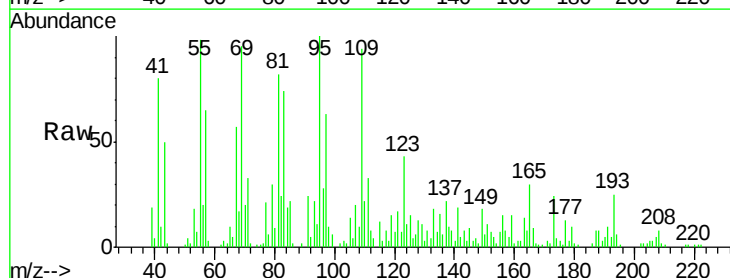
Tgt Ion:165 Resp: 12283

Ion Ratio Lower Upper

165 100

63 9.5 44.7 67.1#

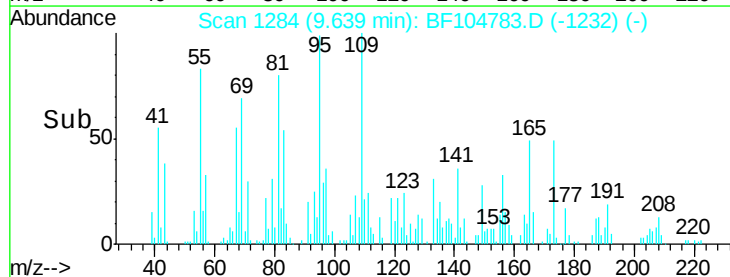
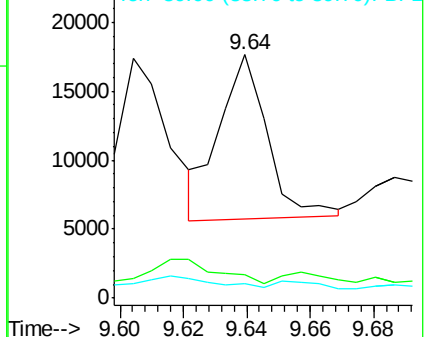
89 5.9 44.0 66.0#

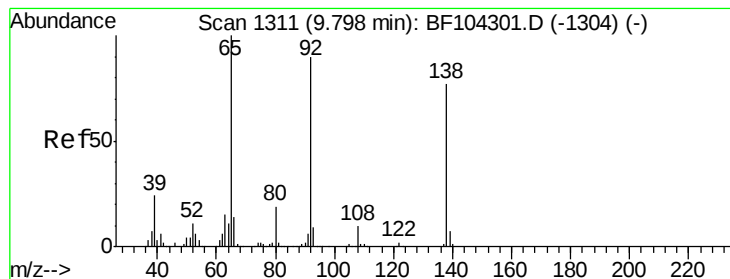


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

3-Nitroaniline

Concen: 4.162 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

Instrument :

BNA_F

ClientSampled :

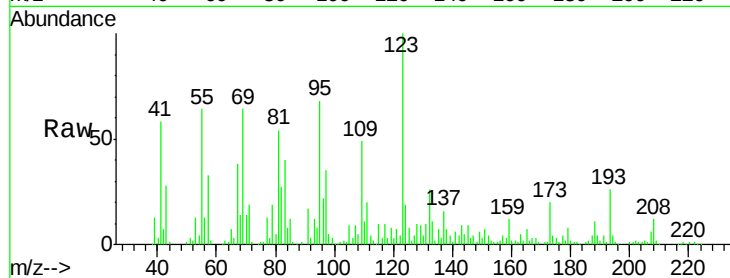
Tot Ion:138 Resp: 10943

Ion Ratio Lower Upper

138 100

108 63.9 9.4 14.0#

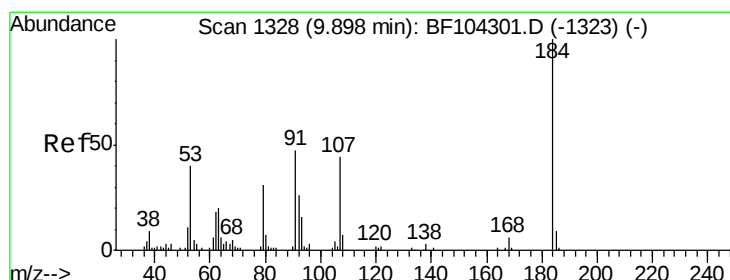
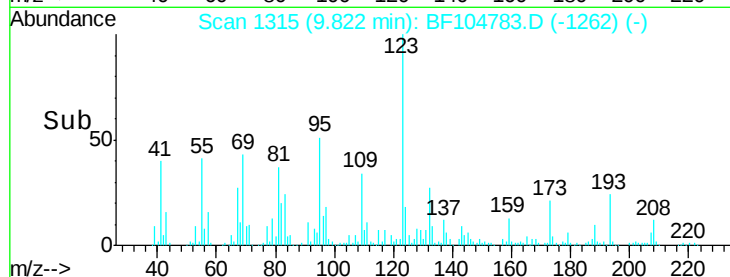
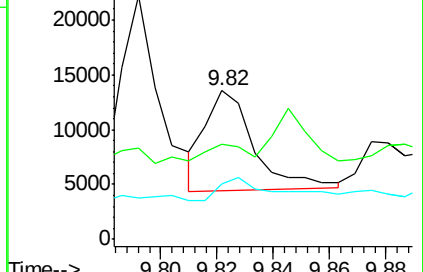
92 37.5 89.4 134.2#



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: 7.186 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.12 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

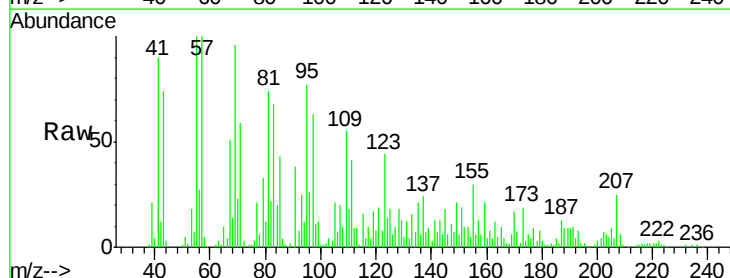
Tgt Ion:184 Resp: 1275

Ion Ratio Lower Upper

184 100

63 244.0 54.2 81.2#

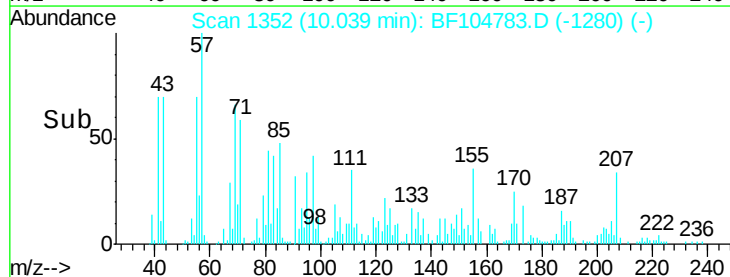
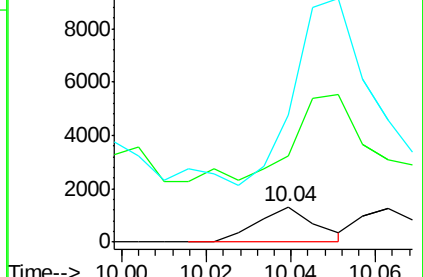
154 357.5 184.0 276.0#

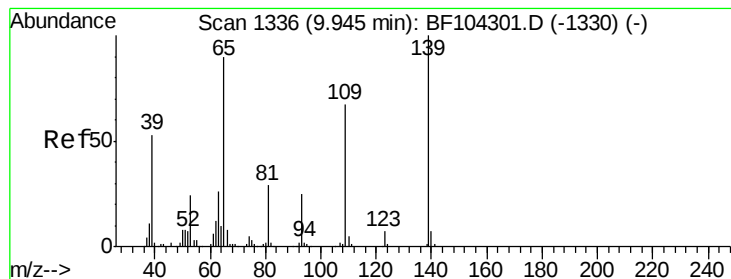


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 2.886 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.02 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

Instrument :

BNA_F

ClientSampled :

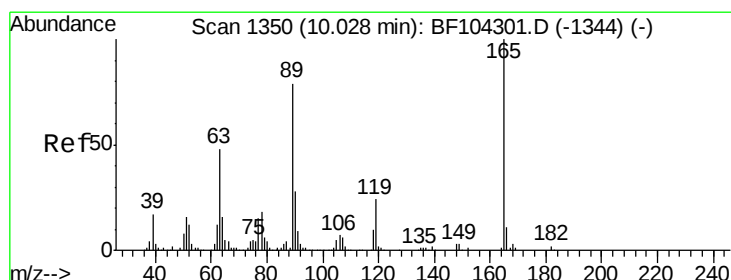
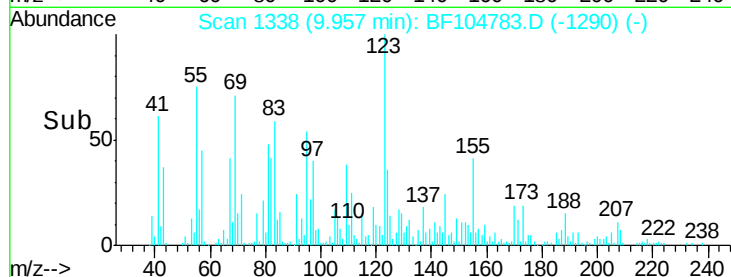
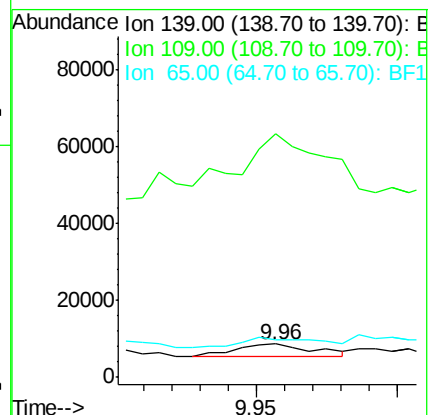
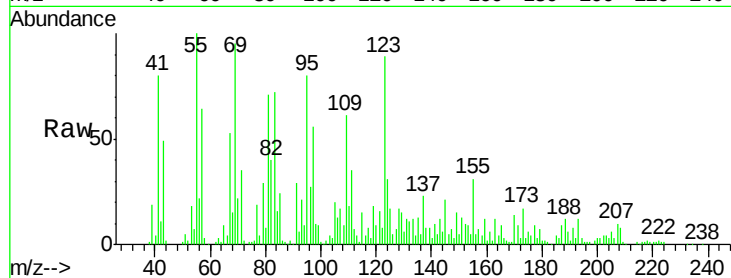
Tot Ion:139 Resp: 5960

Ion Ratio Lower Upper

139 100

109 723.5 48.4 88.4#

65 110.9 72.6 112.6



#56

2,4-Dinitrotoluene

Concen: 2.100 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.01 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

Tgt Ion:165 Resp: 6188

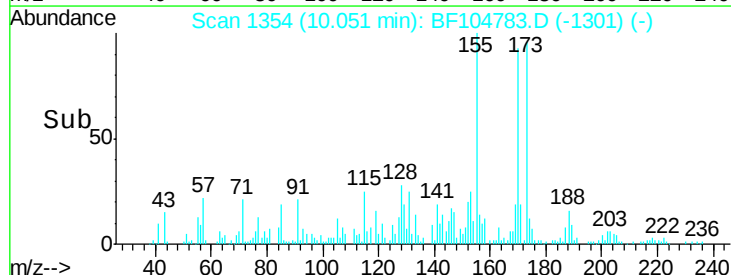
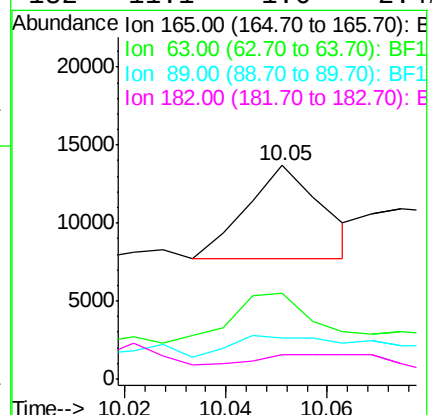
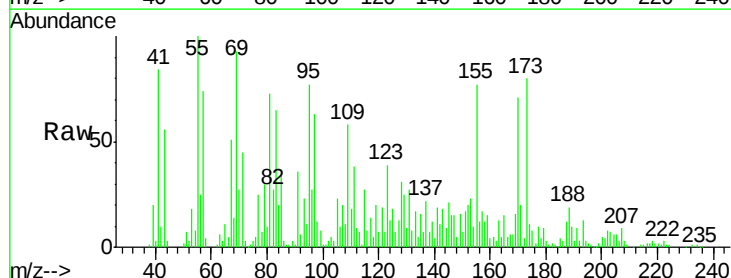
Ion Ratio Lower Upper

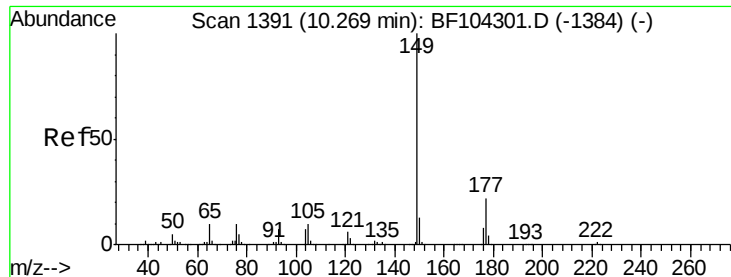
165 100

63 40.4 36.4 54.6

89 19.5 57.8 86.6#

182 11.1 1.6 2.4#

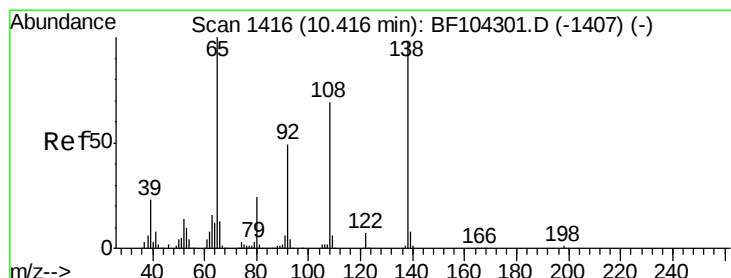
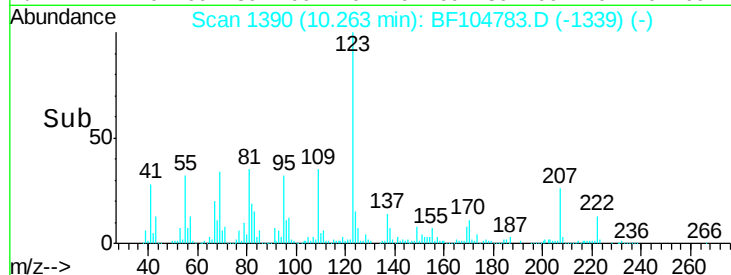
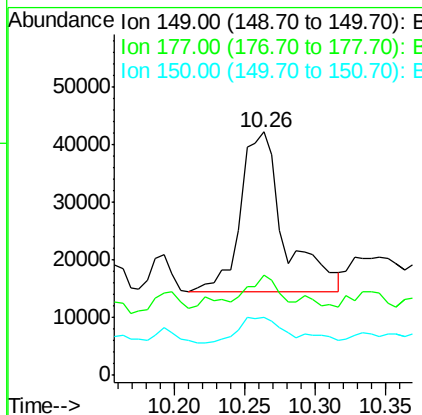
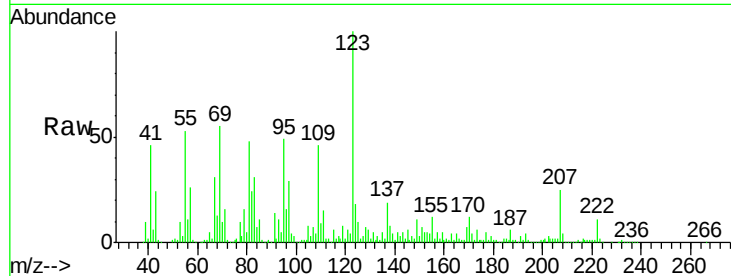




#59
Diethylphthalate
Concen: 4.936 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.00 min
Lab File: BF104783.D
Acq: 25 Apr 2018 12:45

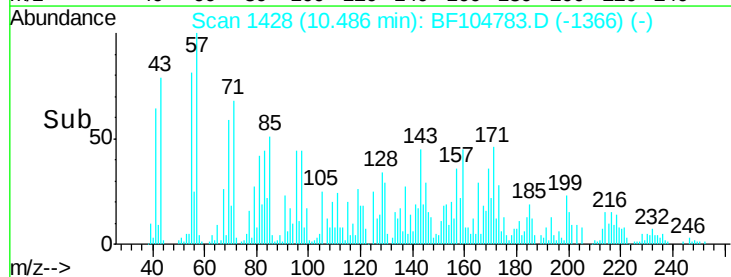
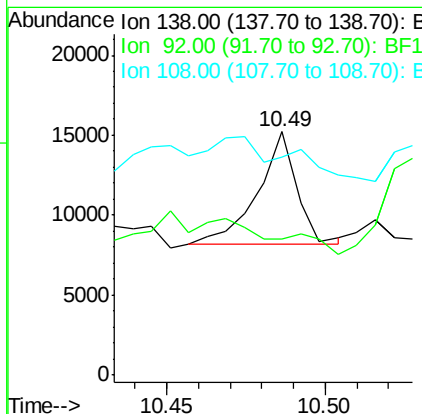
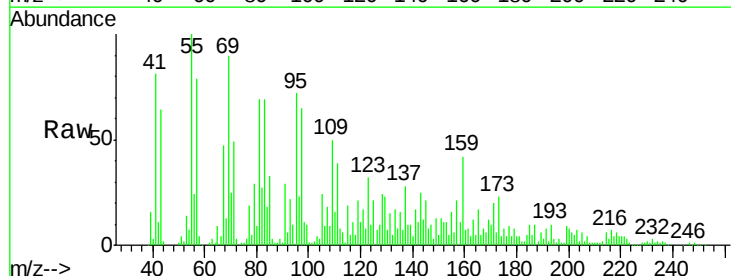
Instrument :
BNA_F
ClientSampleId :

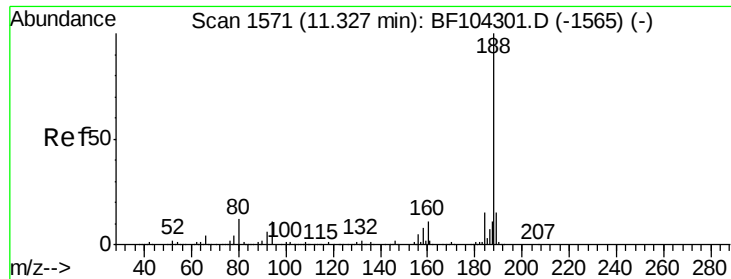
Tot Ion:149 Resp: 59664
Ion Ratio Lower Upper
149 100
177 41.0 16.1 24.1#
150 23.9 10.1 15.1#



#61
4-Nitroaniline
Concen: 2.329 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.06 min
Lab File: BF104783.D
Acq: 25 Apr 2018 12:45

Tgt Ion:138 Resp: 5988
Ion Ratio Lower Upper
138 100
92 55.8 30.2 70.2
108 89.5 52.5 92.5





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.02 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

Instrument :

BNA_F

ClientSampleId :

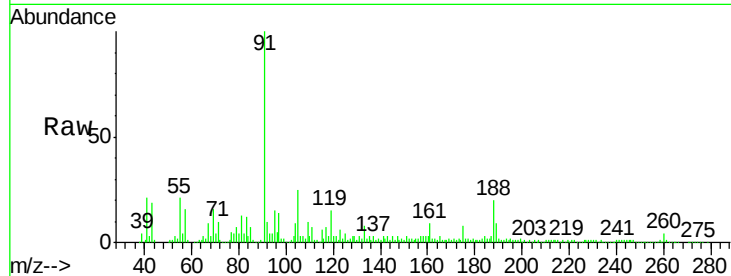
Tot Ion:188 Resp: 147933

Ion Ratio Lower Upper

188 100

94 18.6 8.5 12.7#

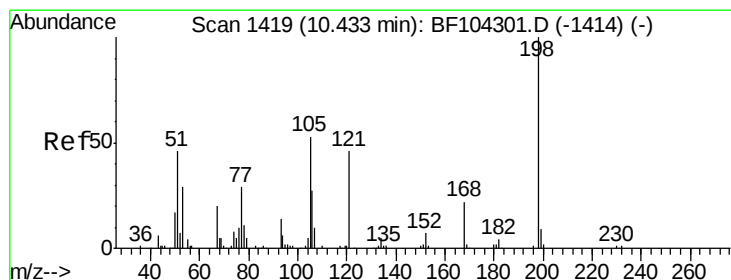
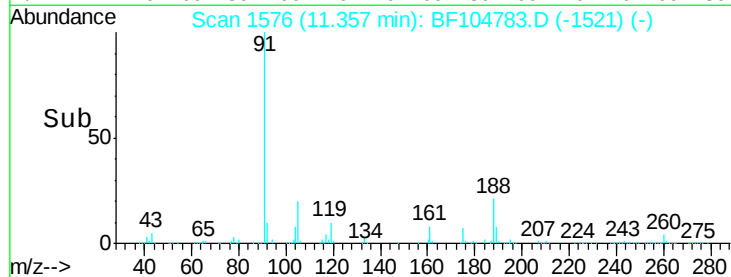
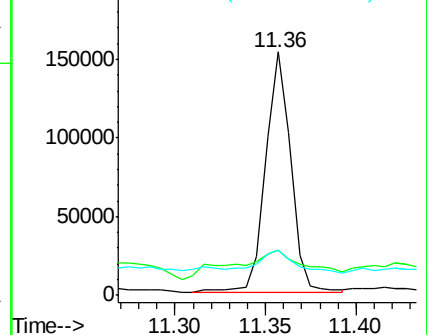
80 18.8 9.2 13.8#



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: 10.795 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.08 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

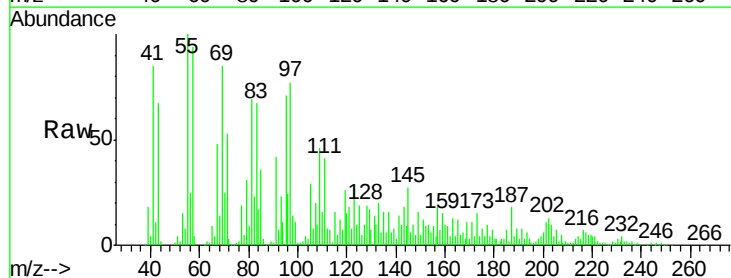
Tgt Ion:198 Resp: 2933

Ion Ratio Lower Upper

198 100

51 134.8 37.7 77.7#

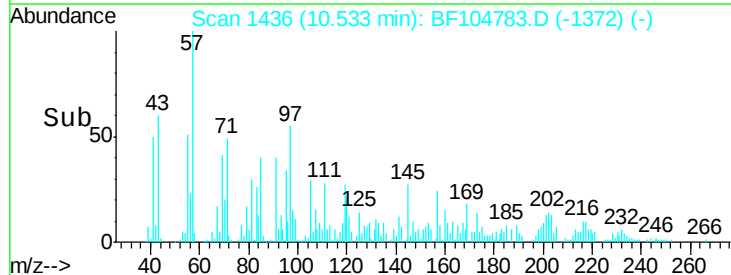
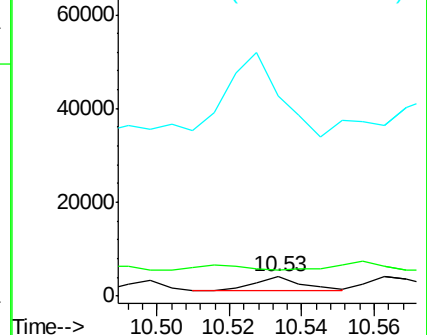
105 1044.3 36.3 76.3#

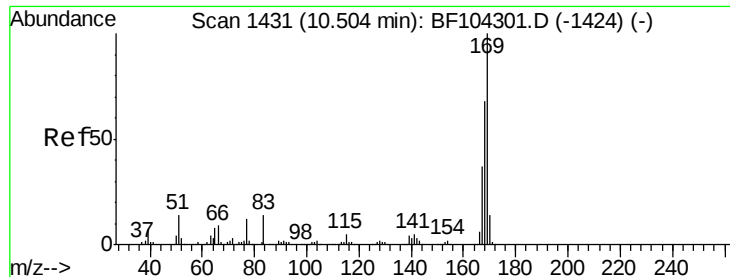


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

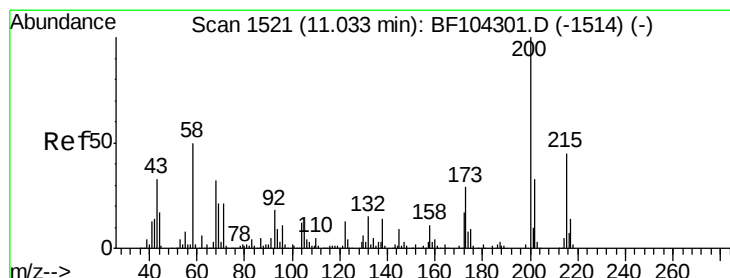
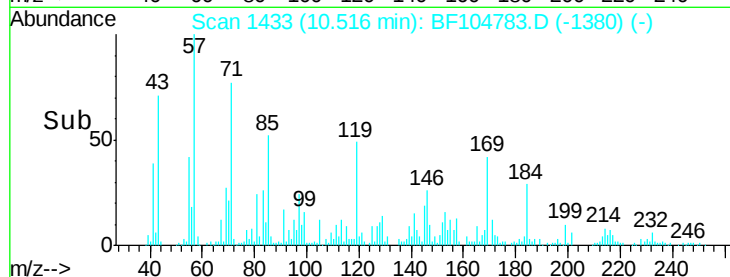
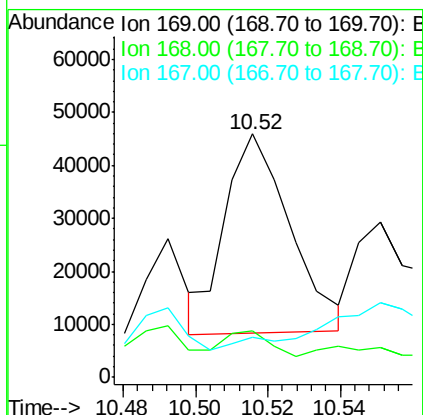
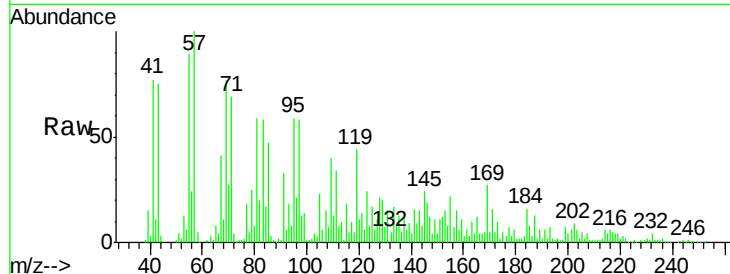




#65
n-Nitrosodiphenylamine
Concen: 9.110 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.01 min
Lab File: BF104783.D
Acq: 25 Apr 2018 12:45

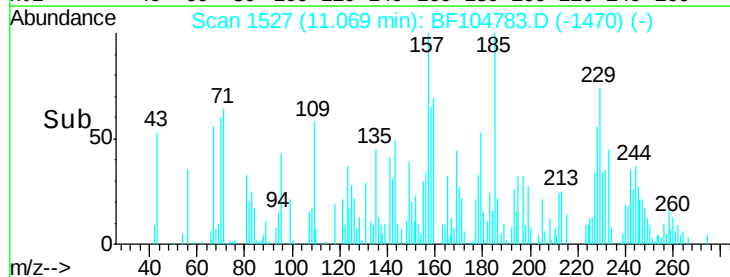
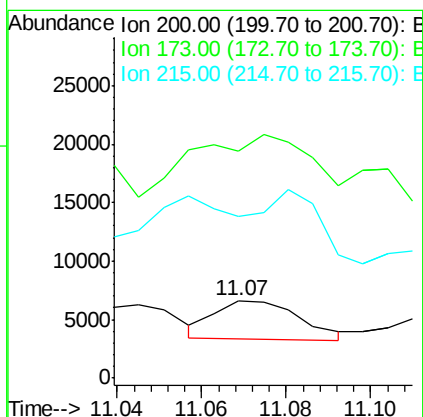
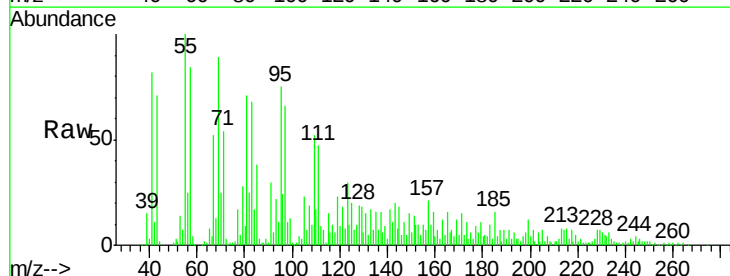
Instrument :
BNA_F
ClientSampleId :

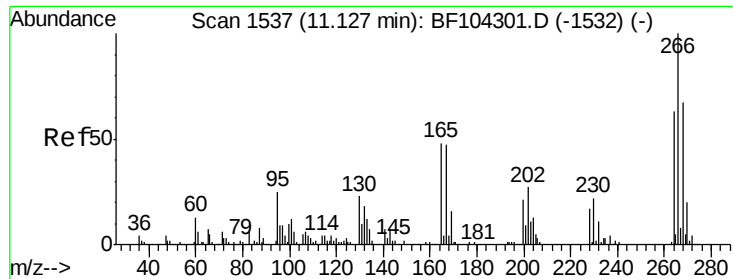
Tot Ion:169 Resp: 46728
Ion Ratio Lower Upper
169 100
168 19.0 54.4 81.6#
167 16.4 29.8 44.6#



#68
Atrazine
Concen: 2.934 ng
RT: 11.07 min Scan# 1527
Delta R.T. 0.04 min
Lab File: BF104783.D
Acq: 25 Apr 2018 12:45

Tgt Ion:200 Resp: 4542
Ion Ratio Lower Upper
200 100
173 293.2 8.6 48.6#
215 209.2 25.1 65.1#

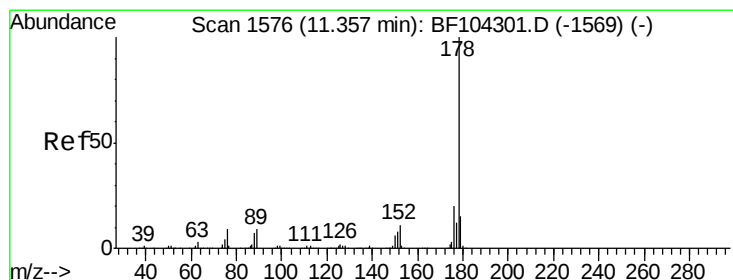
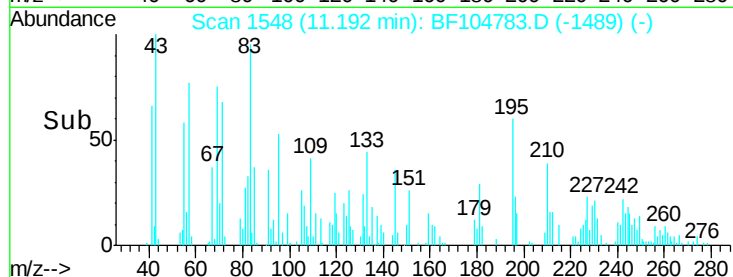
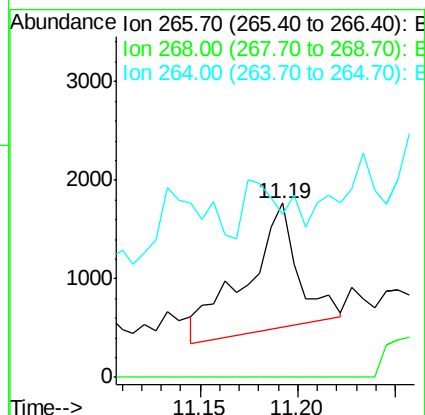
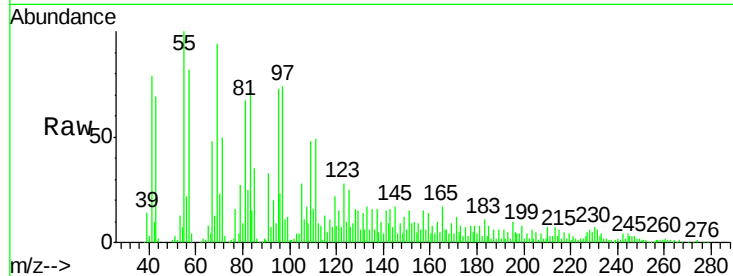




#69
 Pentachlorophenol
 Concen: 2.133 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. 0.05 min
 Lab File: BF104783.D
 Acq: 25 Apr 2018 12:45

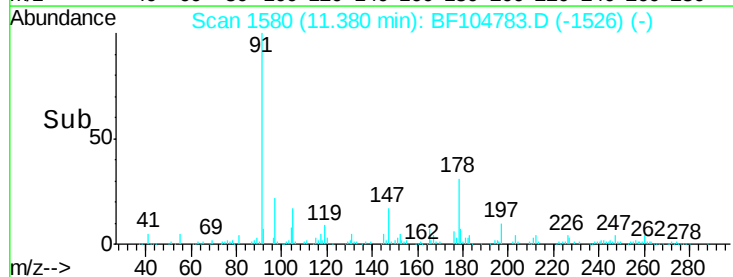
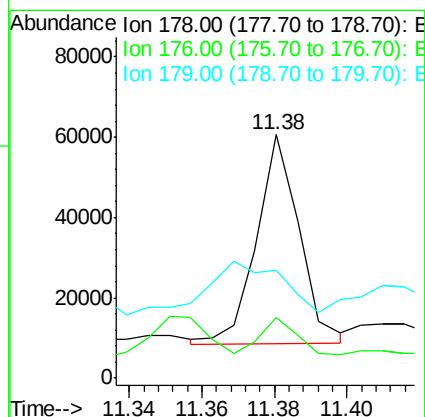
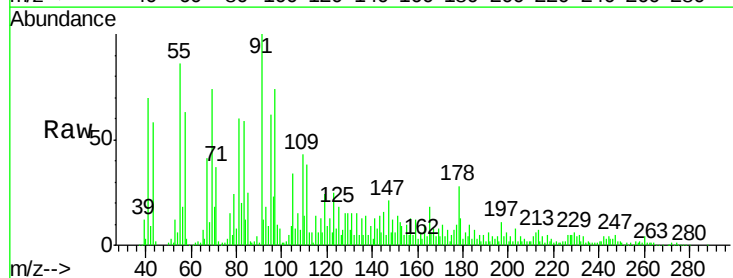
Instrument :
 BNA_F
 ClientSampled :

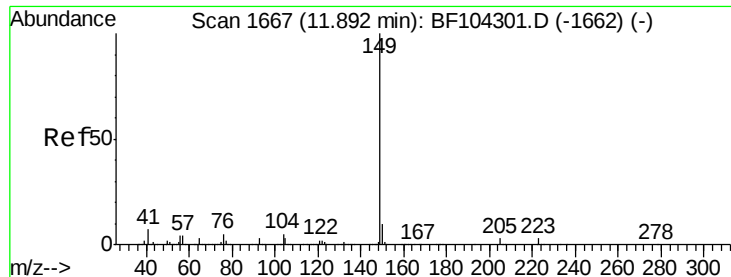
Tot Ion:266 Resp: 2336
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 93.5 49.5 74.3#



#70
 Phenanthrene
 Concen: 5.136 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.02 min
 Lab File: BF104783.D
 Acq: 25 Apr 2018 12:45

Tgt Ion:178 Resp: 42311
 Ion Ratio Lower Upper
 178 100
 176 25.0 15.8 23.8#
 179 44.5 13.0 19.6#





#73

Di-n-butylphthalate

Concen: 3.190 ng

RT: 11.90 min Scan# 1669

Delta R.T. 0.01 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

Instrument :

BNA_F

ClientSampleId :

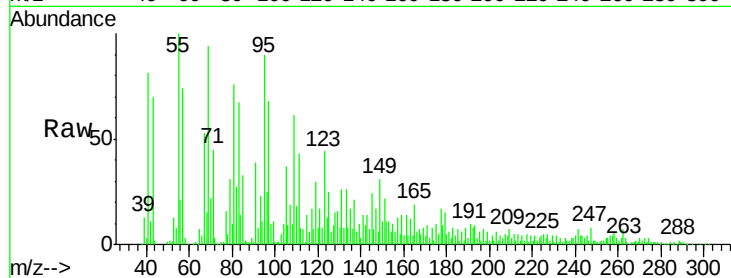
Tot Ion:149 Resp: 31885

Ion Ratio Lower Upper

149 100

150 34.4 7.8 11.6#

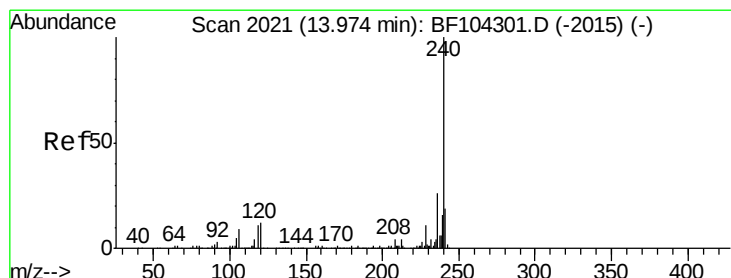
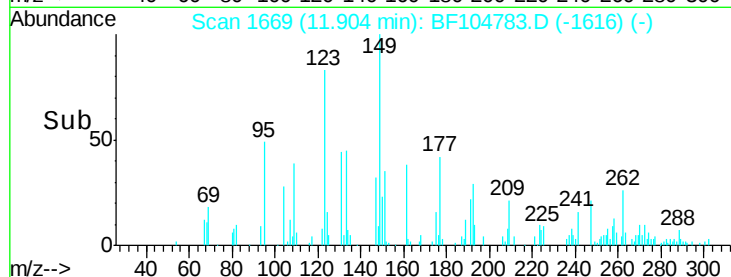
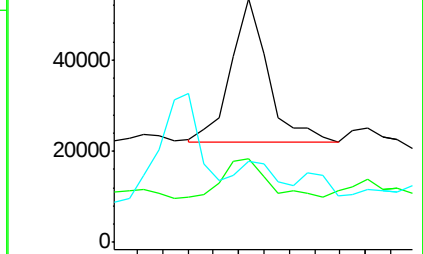
104 33.3 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.04 min

Lab File: BF104783.D

Acq: 25 Apr 2018 12:45

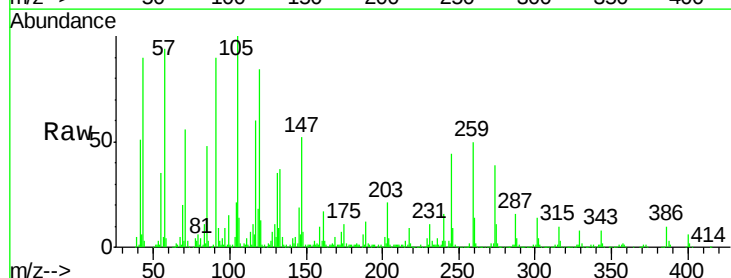
Tgt Ion:240 Resp: 61026

Ion Ratio Lower Upper

240 100

120 78.6 9.5 14.3#

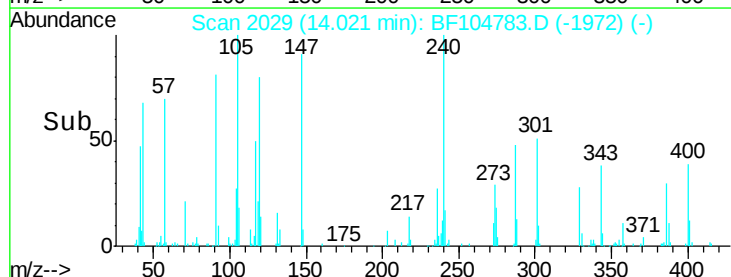
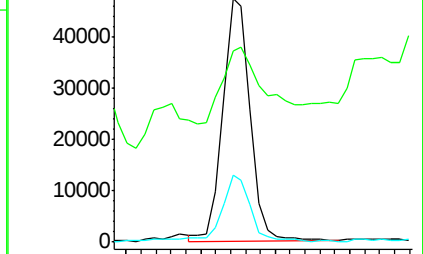
236 27.4 20.7 31.1

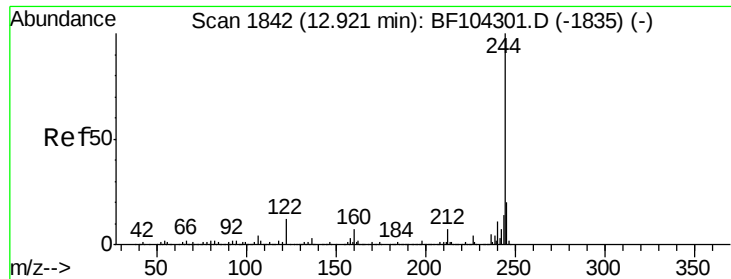


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

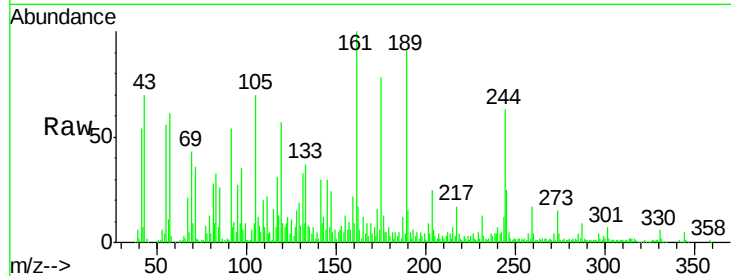




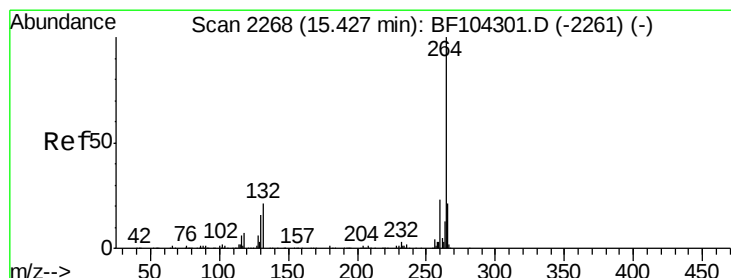
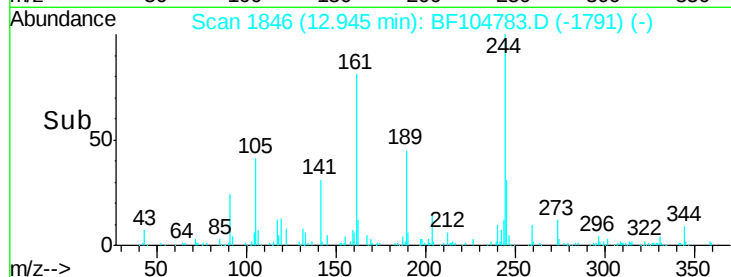
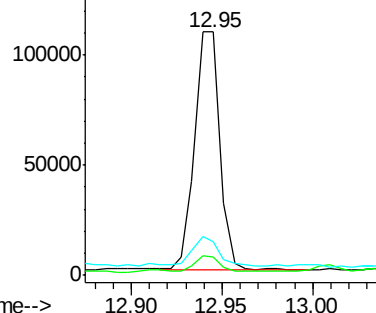
#78
 Terphenyl-d14
 Concen: 39.222 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. 0.02 min
 Lab File: BF104783.D
 Acq: 25 Apr 2018 12:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 104988
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.0
 122 13.8 11.0 16.4

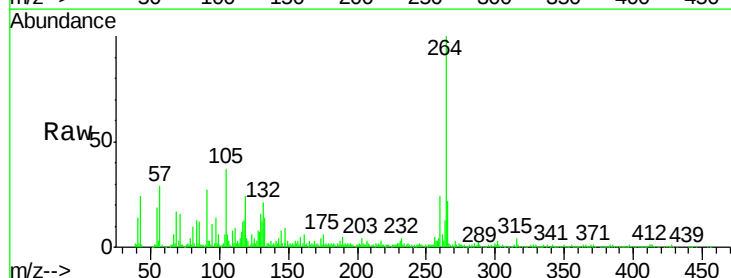


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2284
 Delta R.T. 0.06 min
 Lab File: BF104783.D
 Acq: 25 Apr 2018 12:45

Tgt Ion:264 Resp: 225432
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.8 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

