

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102924.D
 Acq On : 12 Feb 2018 16:55
 Operator : SJ/JU
 Sample : J1517-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

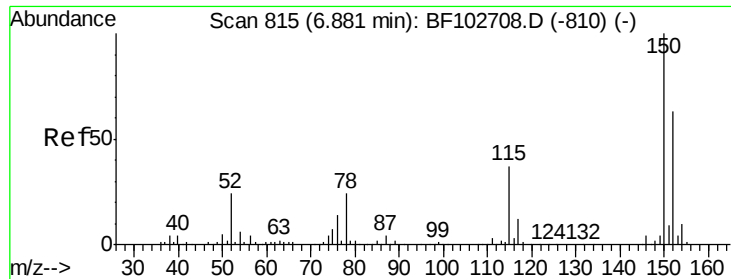
Quant Time: Feb 13 00:08:59 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	153436	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	562501	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	179326	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	79402	20.00	ng	0.05
75) Chrysene-d12	14.14	240	118674	20.00	ng	0.09
86) Perylene-d12	15.60	264	229443	20.00	ng	0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	695158	68.80	ng	0.01
7) Phenol-d6	6.51	99	970476	79.78	ng	0.00
23) Nitrobenzene-d5	7.45	82	661418	81.57	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	68316	47.33	ng	0.02
44) 2-Fluorobiphenyl	9.25	172	924383	85.54	ng	0.00
78) Terphenyl-d14	13.09	244	162201	32.36	ng	0.09

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	92351	11.51	ng	# 84
25) Isophorone	7.45	82	658770	35.28	ng	# 64
26) 2-Nitrophenol	7.83	139	106	8.69	ng	# 1
32) Benzoic acid	7.88	122	9769	10.23	ng	91
47) 2-Nitroaniline	9.63	65	8020	5.50	ng	92
49) Dimethylphthalate	9.63	163	76535	5.47	ng	# 66
50) 2,6-Dinitrotoluene	9.69	165	7882	2.96	ng	# 41
52) 3-Nitroaniline	9.88	138	17022	5.20	ng	# 18
53) 2,4-Dinitrophenol	10.00	184	484	8.96	ng	# 1
55) 4-Nitrophenol	10.04	139	7705	6.74	ng	# 1
56) 2,4-Dinitrotoluene	10.13	165	4919	4.37	ng	# 55
61) 4-Nitroaniline	10.39	138	37605	12.07	ng	82
64) 4,6-Dinitro-2-methylphenol	10.55	198	2087	14.53	ng	# 1
65) n-Nitrosodiphenylamine	10.63	169	13357	4.77	ng	# 54
68) Atrazine	11.16	200	1898	2.30	ng	# 1
70) Phenanthrene	11.49	178	20863	4.72	ng	# 1
73) Di-n-butylphthalate	12.04	149	39856	7.45	ng	# 24

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

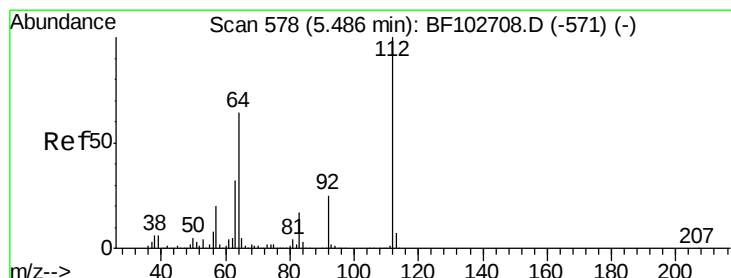
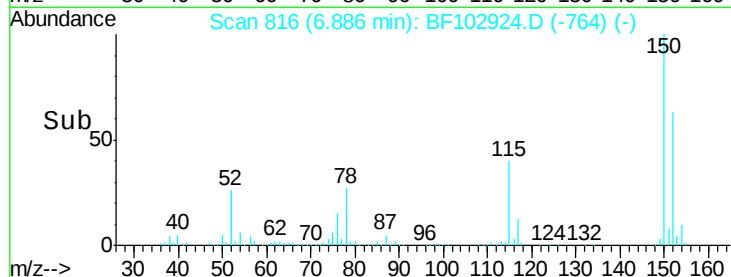
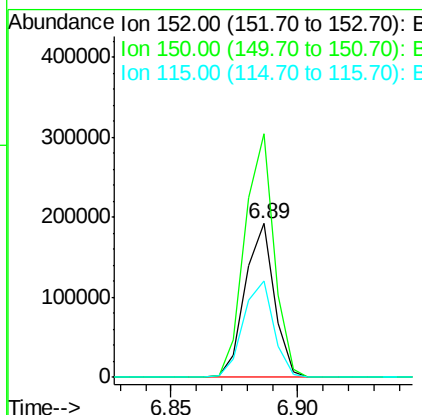
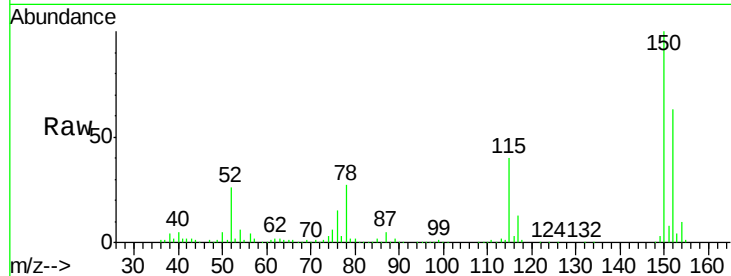


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

Instrument :
BNA_F
ClientSampleId :

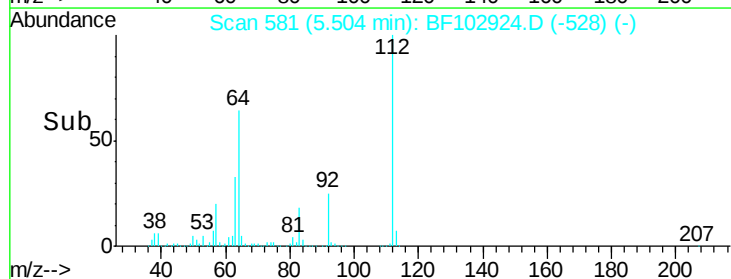
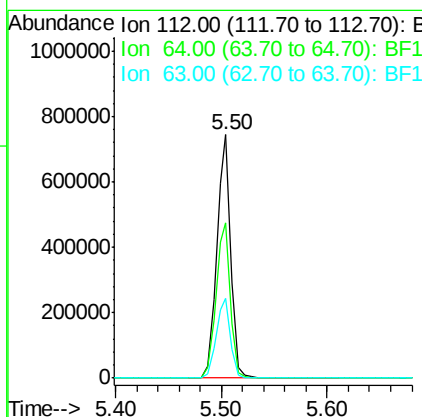
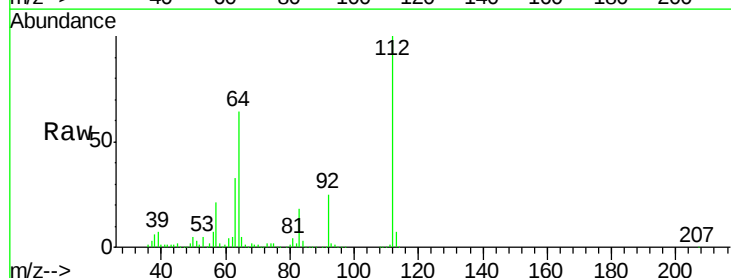
Tot Ion:152 Resp: 153436
Ion Ratio Lower Upper
152 100
150 158.5 124.6 186.8
115 63.0 50.1 75.1

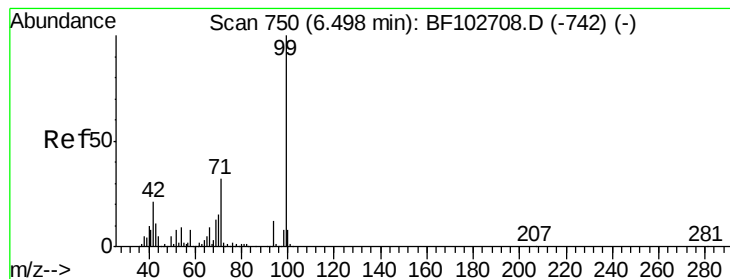


#5

2-Fluorophenol
Concen: 68.80 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

Tgt Ion:112 Resp: 695158
Ion Ratio Lower Upper
112 100
64 63.5 47.9 71.9
63 32.9 23.7 35.5





#7

Phenol-d6

Concen: 79.78 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102924.D

Acq: 12 Feb 2018 16:55

Instrument :

BNA_F

ClientSampleId :

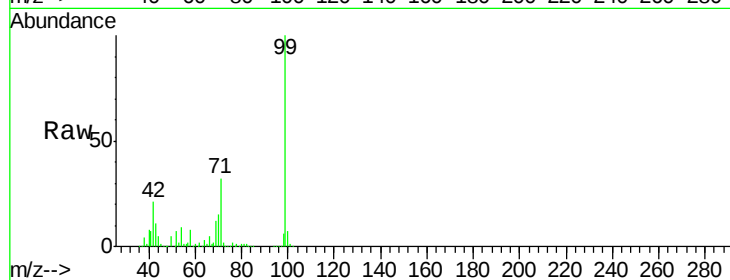
Tot Ion: 99 Resp: 970476

Ion Ratio Lower Upper

99 100

42 21.2 14.5 21.7

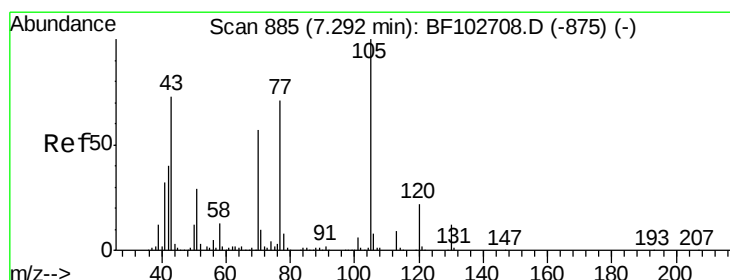
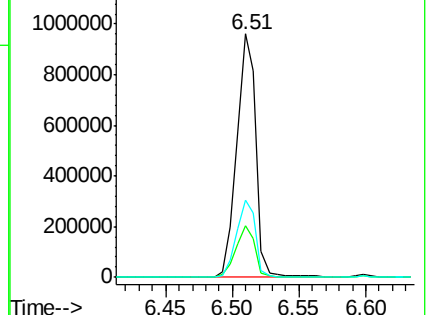
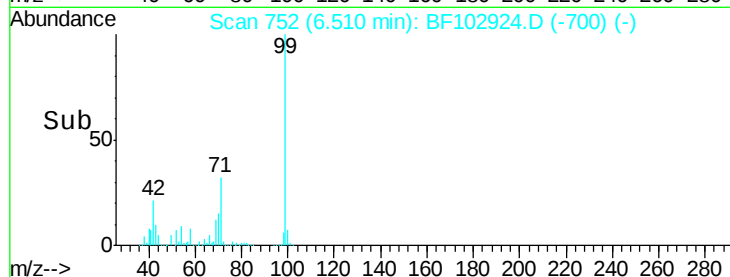
71 32.0 25.4 38.0



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: 11.51 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102924.D

Acq: 12 Feb 2018 16:55

Tgt Ion: 70 Resp: 92351

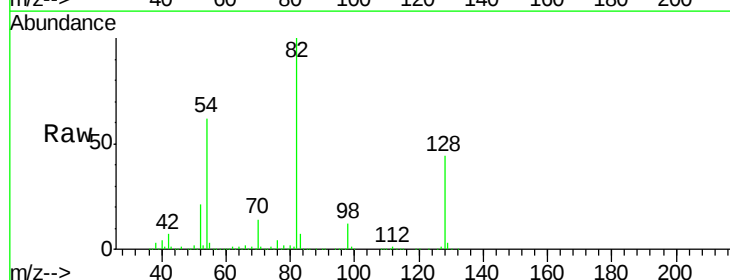
Ion Ratio Lower Upper

70 100

42 54.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

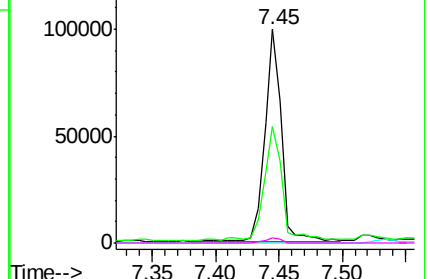
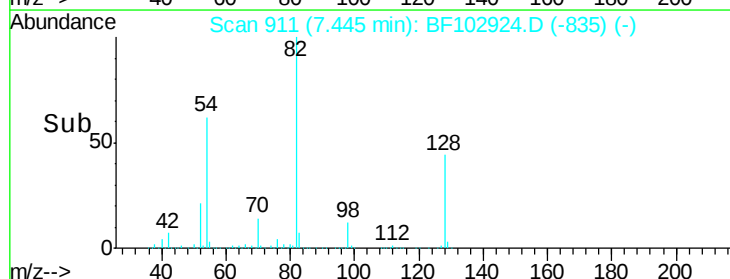


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.00 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102924.D

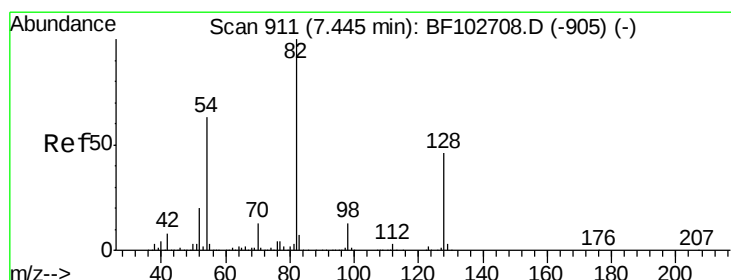
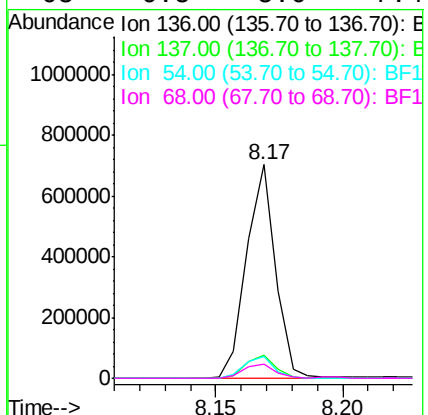
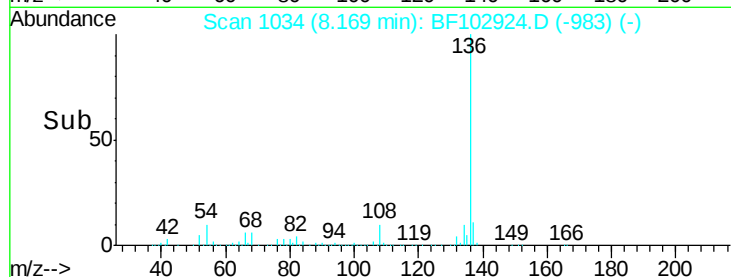
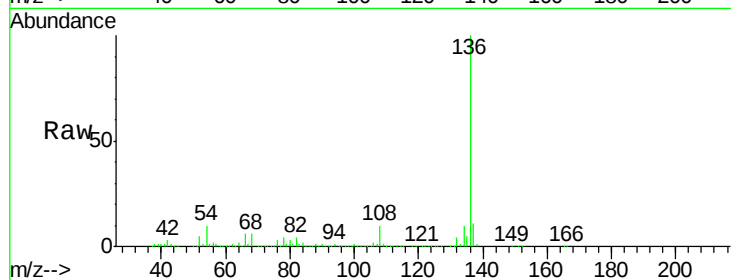
Acq: 12 Feb 2018 16:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	562501
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	10.1	6.6 9.8#
68	6.5	5.0 7.4



#23

Nitrobenzene-d5

Concen: 81.57 ng

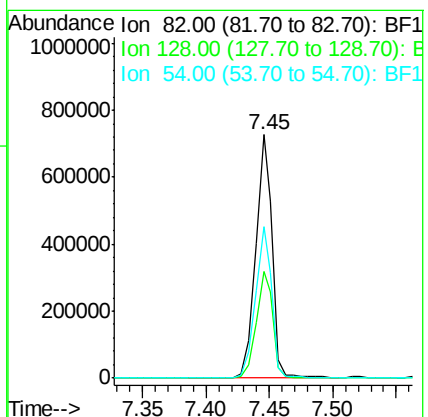
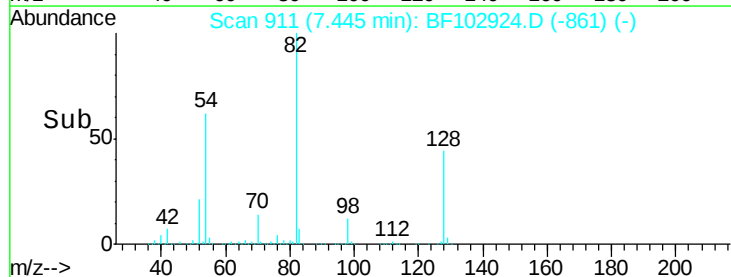
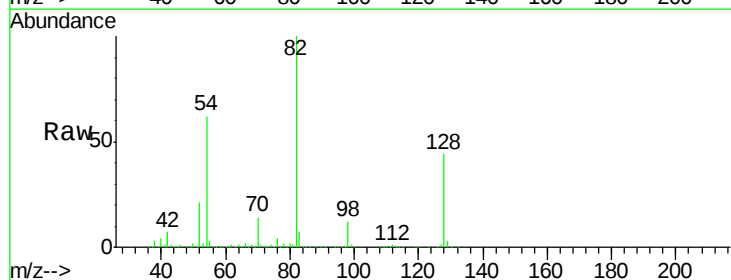
RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102924.D

Acq: 12 Feb 2018 16:55

Tgt Ion: 82	Resp:	661418
Ion Ratio	Lower	Upper
82	100	
128	43.8	36.1 54.1
54	62.3	41.4 62.2#





#25

Isophorone

Concen: 35.28 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102924.D

Acq: 12 Feb 2018 16:55

Instrument :

BNA_F

ClientSampled :

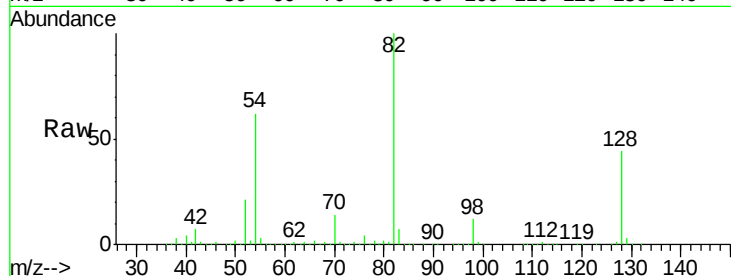
Tot Ion: 82 Resp: 658770

Ion Ratio Lower Upper

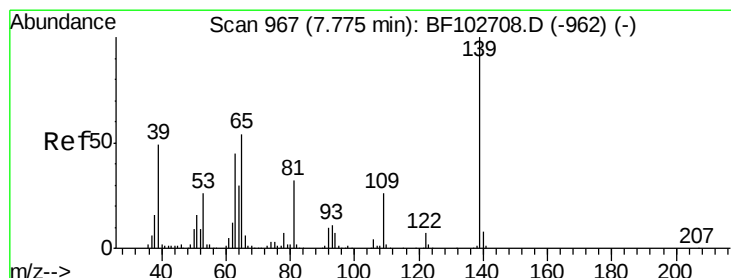
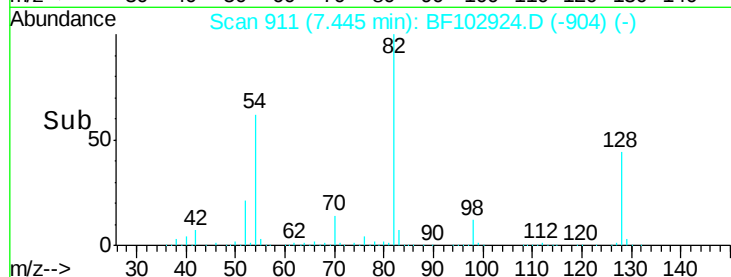
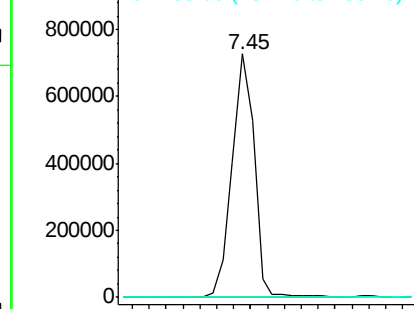
82 100

95 0.1 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



#26

2-Nitrophenol

Concen: 8.69 ng

RT: 7.83 min Scan# 977

Delta R.T. 0.05 min

Lab File: BF102924.D

Acq: 12 Feb 2018 16:55

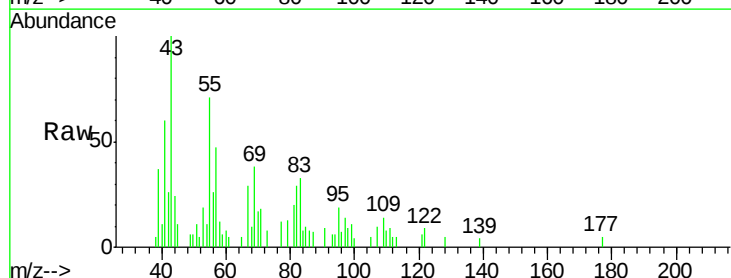
Tgt Ion: 139 Resp: 106

Ion Ratio Lower Upper

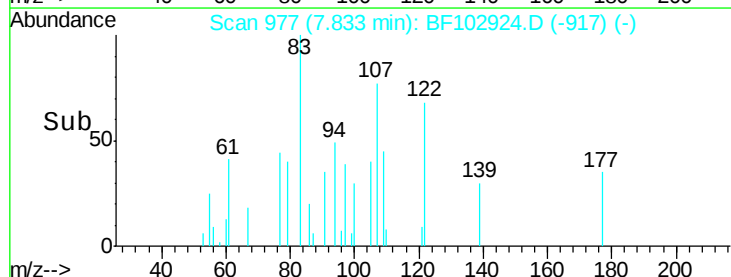
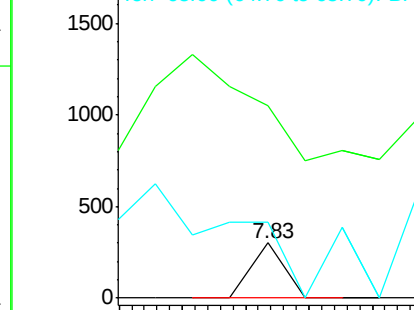
139 100

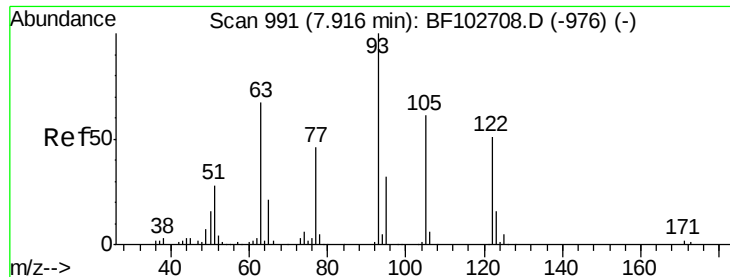
109 350.0 22.7 34.1#

65 137.7 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

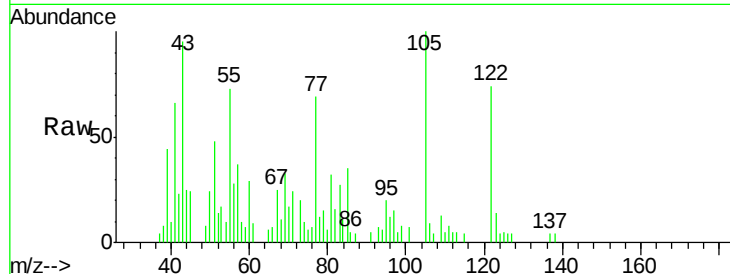




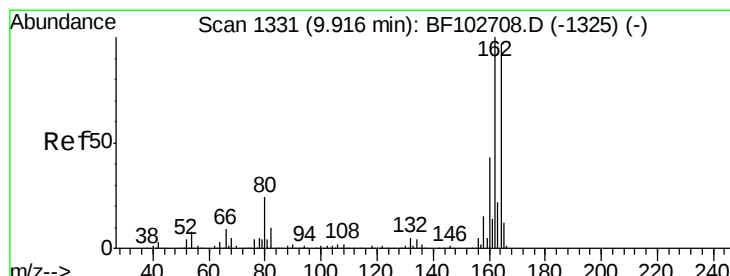
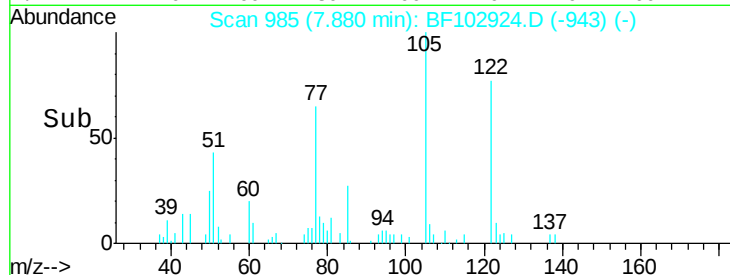
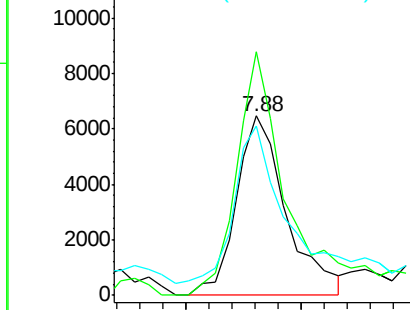
#32
Benzoic acid
Concen: 10.23 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.05 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 9769
Ion Ratio Lower Upper
122 100
105 135.6 101.1 141.1
77 94.2 70.7 110.7

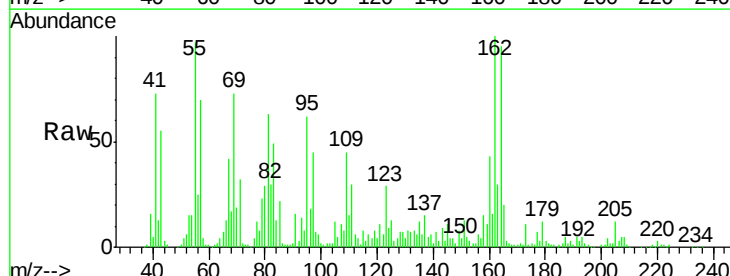


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

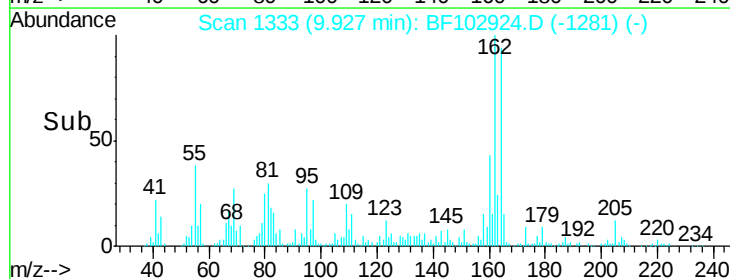
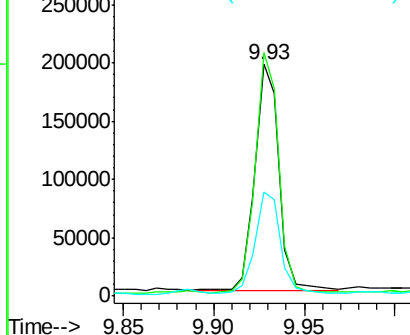


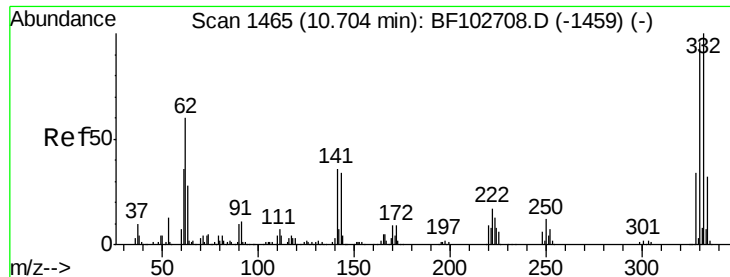
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

Tgt Ion:164 Resp: 179326
Ion Ratio Lower Upper
164 100
162 105.1 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

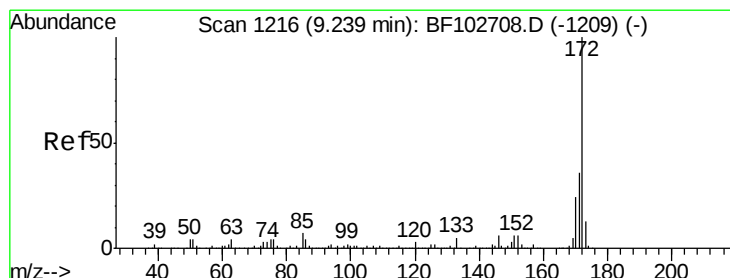
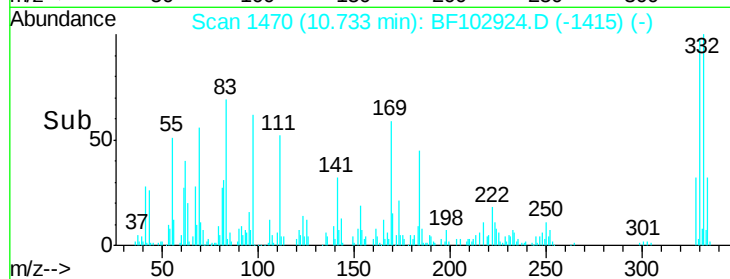
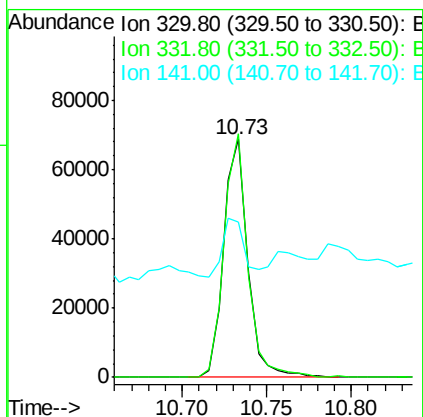
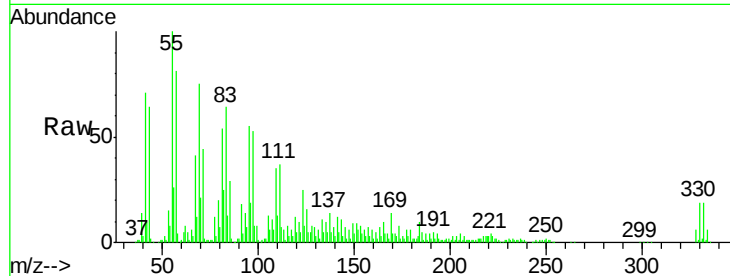




#41
 2,4,6-Tribromophenol
 Concen: 47.33 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. 0.02 min
 Lab File: BF102924.D
 Acq: 12 Feb 2018 16:55

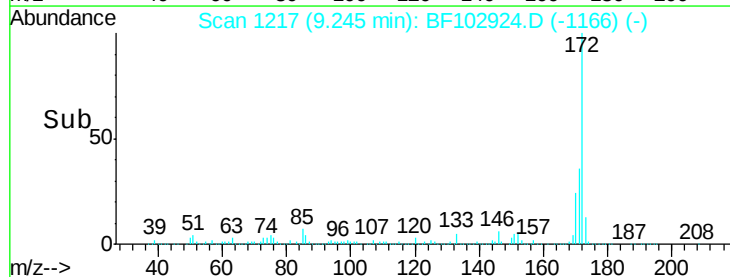
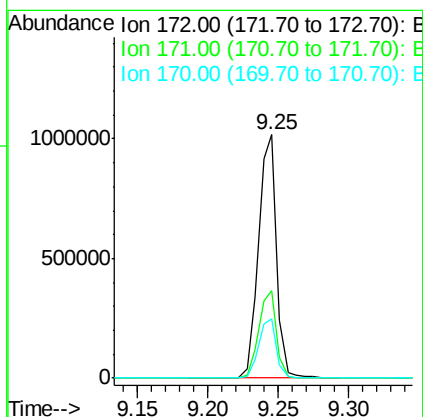
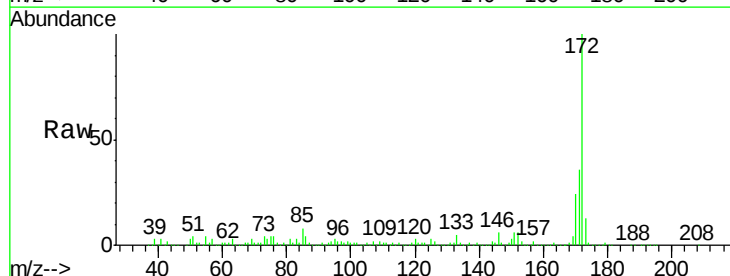
Instrument :
 BNA_F
 ClientSampled :

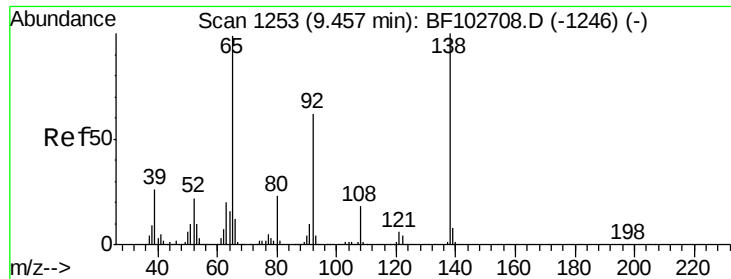
Tot Ion	Ratio	Lower	Upper
330	100		
332	100.9	77.0	115.6
141	22.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 85.54 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: BF102924.D
 Acq: 12 Feb 2018 16:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.3	19.6	29.4





#47

2-Nitroaniline

Concen: 5.50 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.17 min

Lab File: BF102924.D

Acq: 12 Feb 2018 16:55

Instrument :

BNA_F

ClientSampleId :

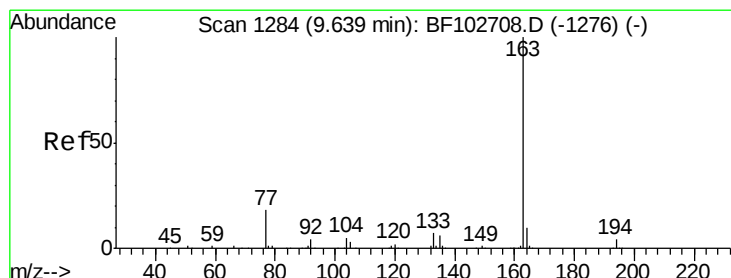
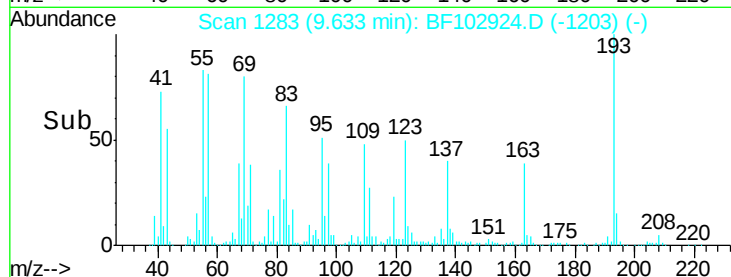
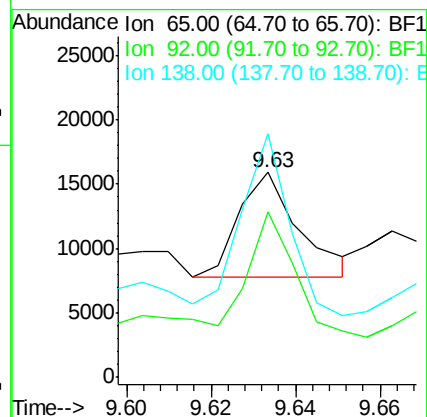
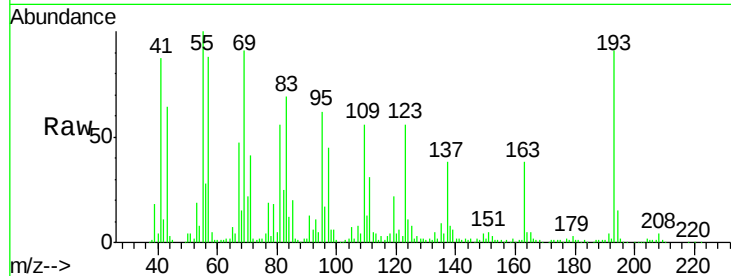
Tot Ion: 65 Resp: 8020

Ion Ratio Lower Upper

65 100

92 80.9 55.8 83.6

138 118.8 91.2 136.8



#49

Dimethylphthalate

Concen: 5.47 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102924.D

Acq: 12 Feb 2018 16:55

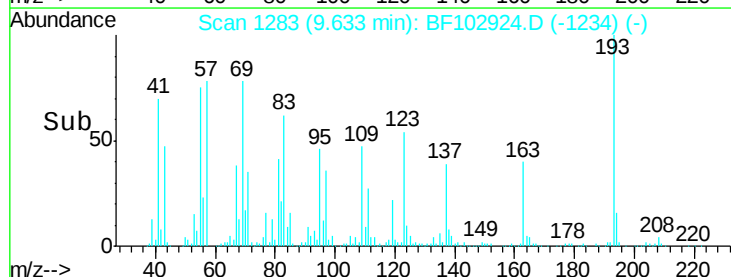
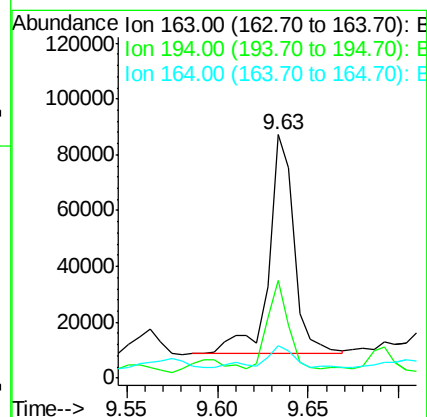
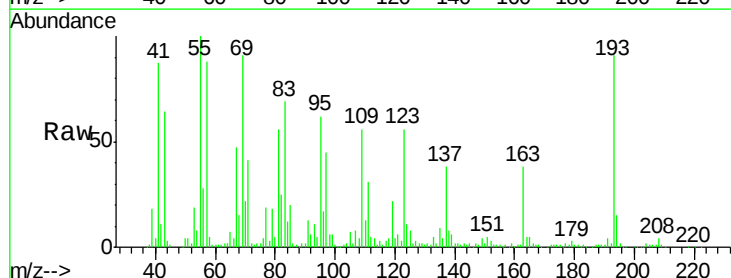
Tgt Ion:163 Resp: 76535

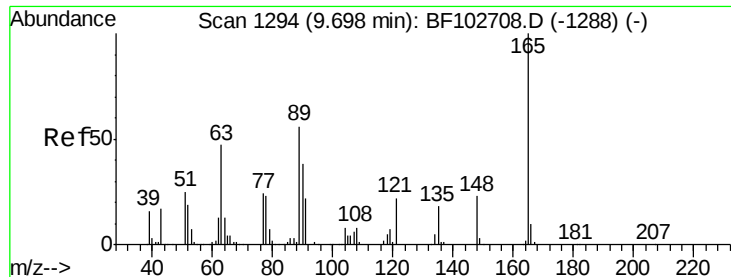
Ion Ratio Lower Upper

163 100

194 40.1 2.7 4.1#

164 13.5 8.2 12.2#

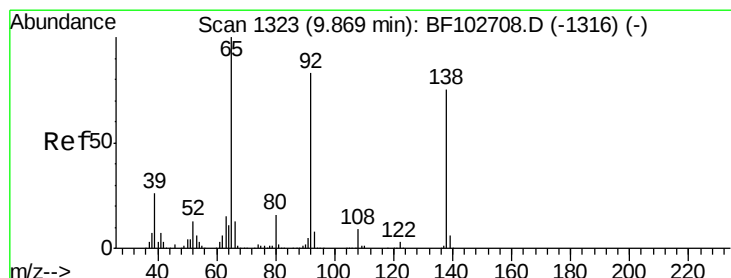
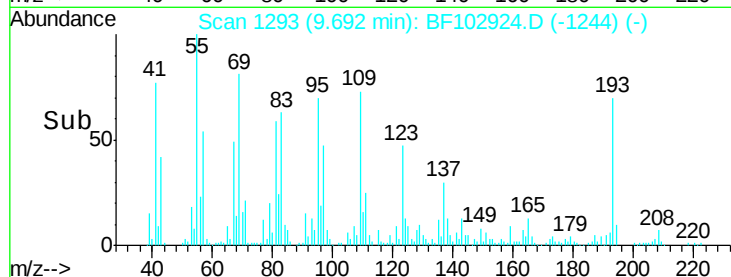
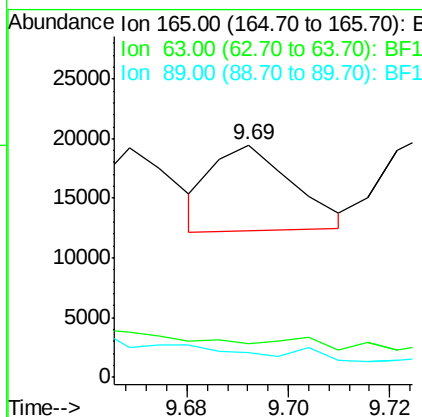
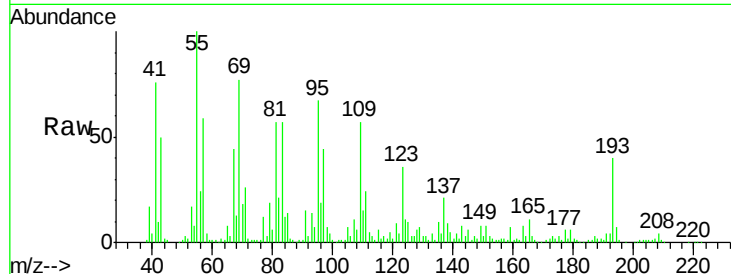




#50
 2,6-Dinitrotoluene
 Concen: 2.96 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF102924.D
 Acq: 12 Feb 2018 16:55

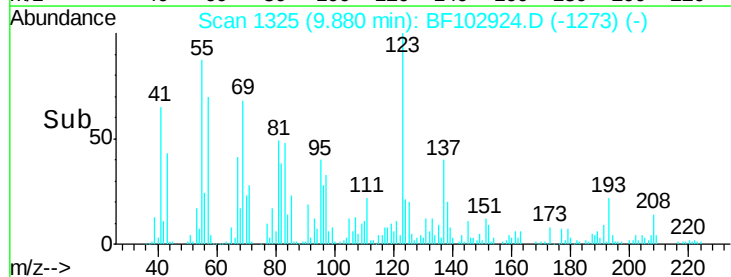
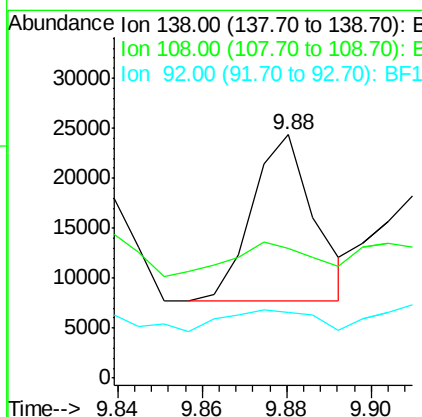
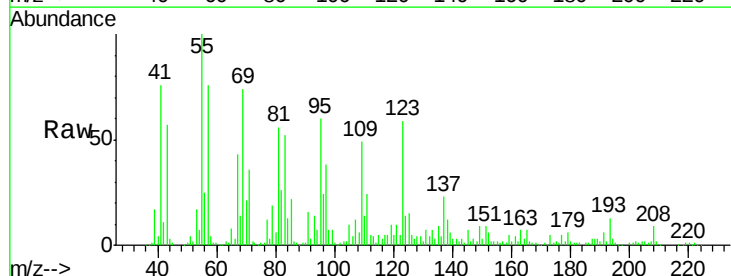
Instrument :
 BNA_F
 ClientSampleId :

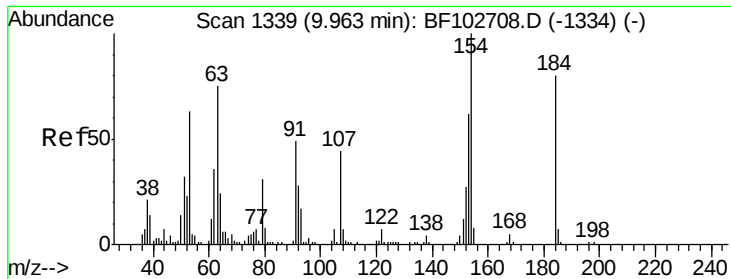
Tot Ion:165 Resp: 7882
 Ion Ratio Lower Upper
 165 100
 63 14.5 44.7 67.1#
 89 10.7 44.0 66.0#



#52
 3-Nitroaniline
 Concen: 5.20 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: BF102924.D
 Acq: 12 Feb 2018 16:55

Tgt Ion:138 Resp: 17022
 Ion Ratio Lower Upper
 138 100
 108 53.2 9.4 14.0#
 92 26.8 89.4 134.2#

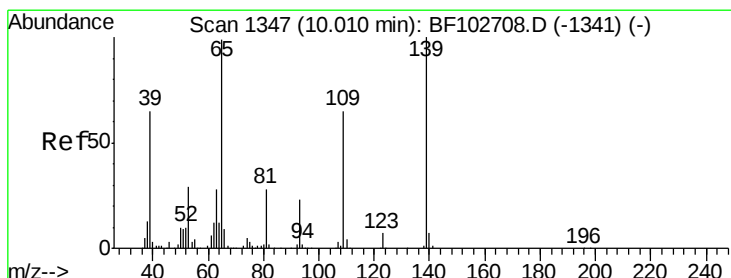
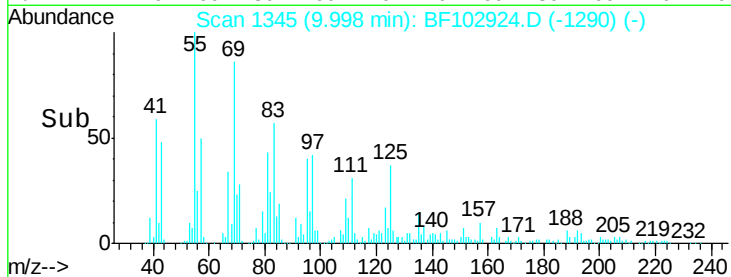
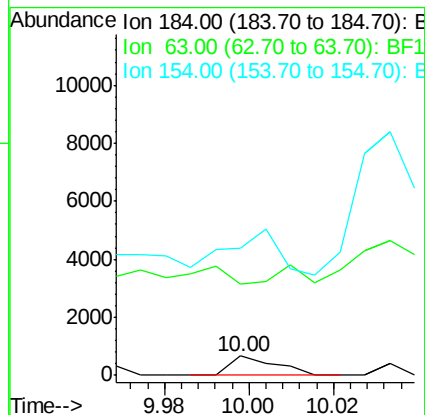
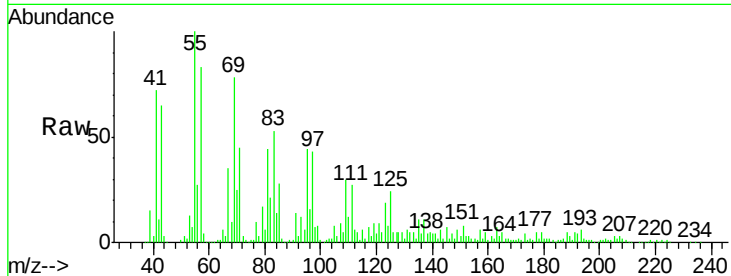




#53
 2,4-Dinitrophenol
 Concen: 8.96 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.02 min
 Lab File: BF102924.D
 Acq: 12 Feb 2018 16:55

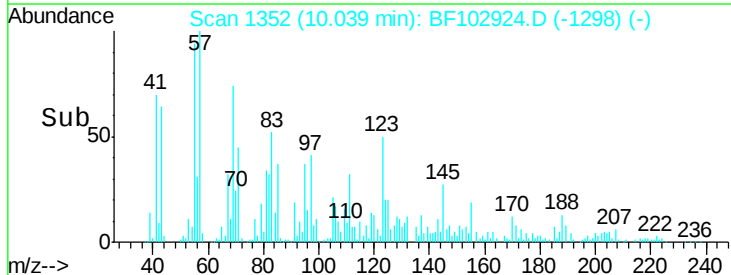
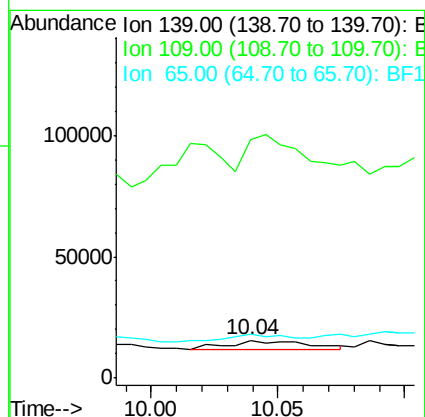
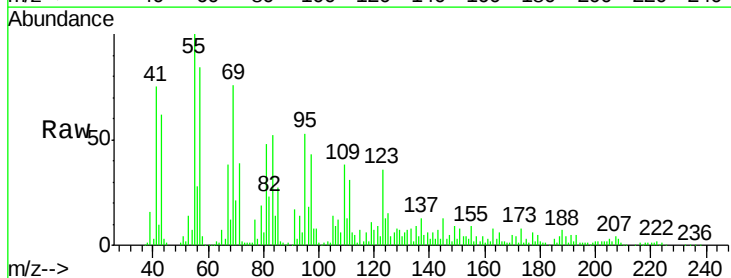
Instrument :
 BNA_F
 ClientSampled :

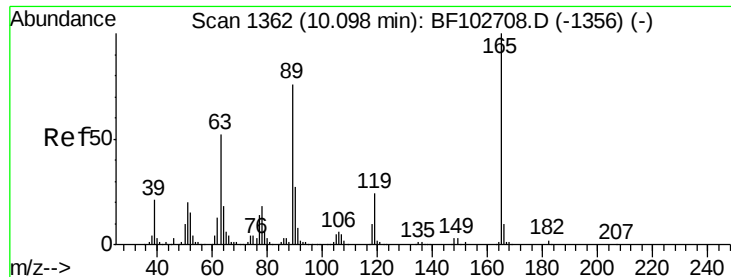
Tot Ion:184 Resp: 484
 Ion Ratio Lower Upper
 184 100
 63 471.8 54.2 81.2#
 154 660.5 184.0 276.0#



#55
 4-Nitrophenol
 Concen: 6.74 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. 0.02 min
 Lab File: BF102924.D
 Acq: 12 Feb 2018 16:55

Tgt Ion:139 Resp: 7705
 Ion Ratio Lower Upper
 139 100
 109 630.9 48.4 88.4#
 65 116.5 72.6 112.6#

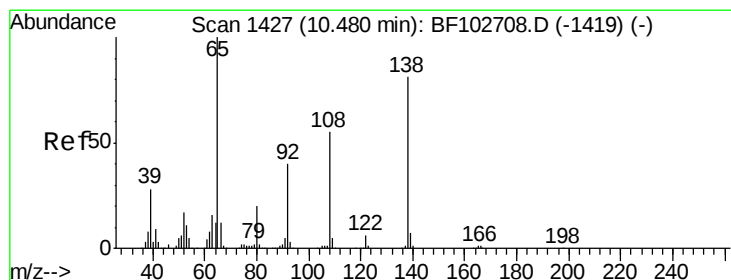
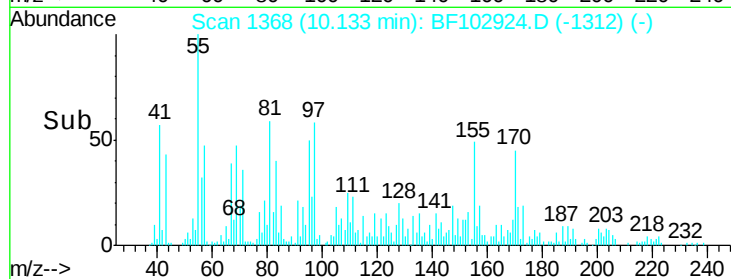
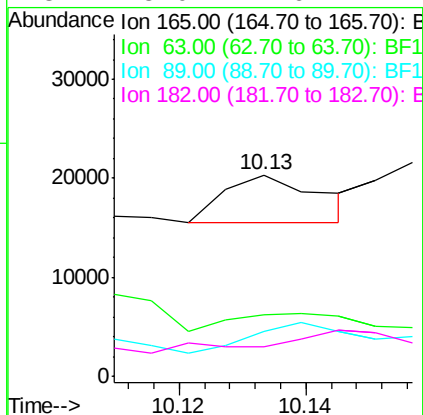
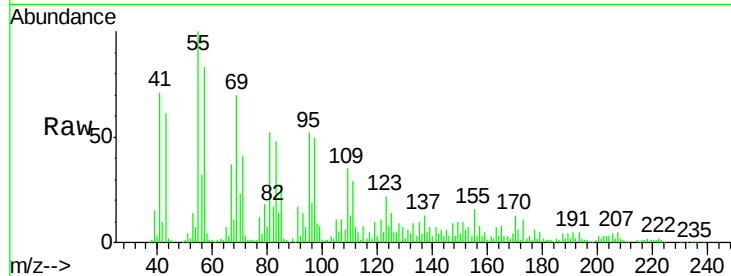




#56
2,4-Dinitrotoluene
Concen: 4.37 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.03 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

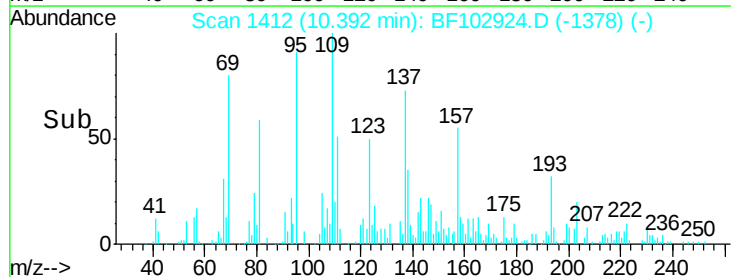
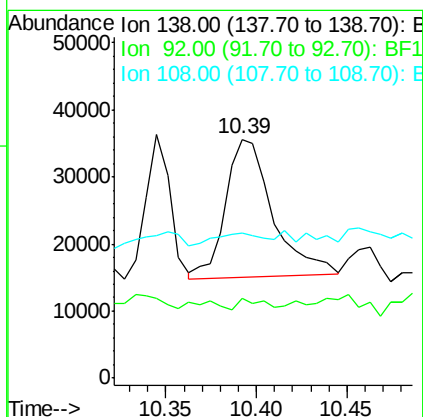
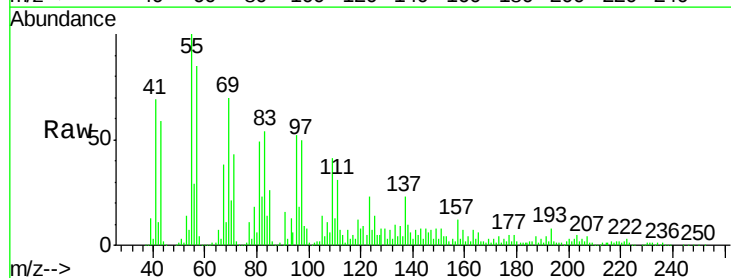
Instrument :
BNA_F
ClientSampleId :

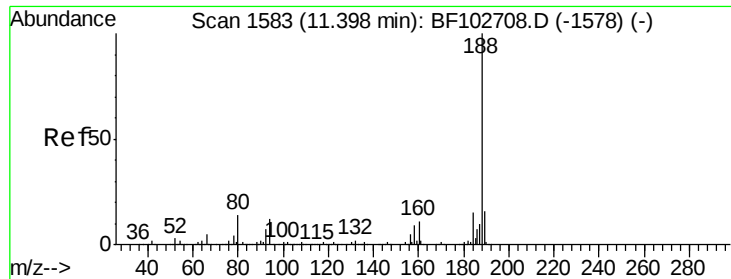
Tot Ion:165 Resp: 4919
Ion Ratio Lower Upper
165 100
63 30.8 36.4 54.6#
89 22.4 57.8 86.6#
182 15.0 1.6 2.4#



#61
4-Nitroaniline
Concen: 12.07 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.10 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

Tgt Ion:138 Resp: 37605
Ion Ratio Lower Upper
138 100
92 33.5 30.2 70.2
108 61.0 52.5 92.5

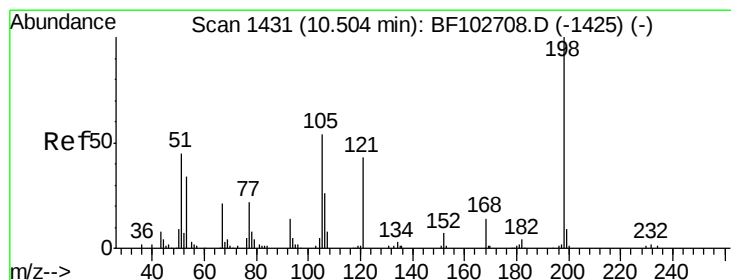
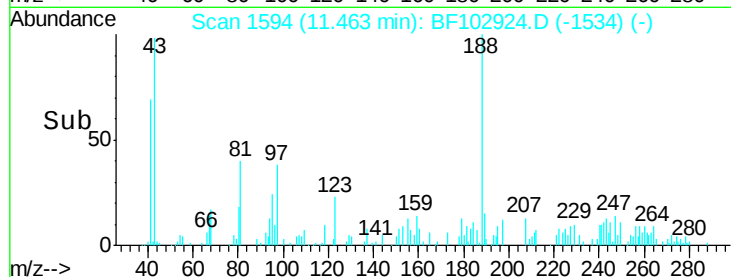
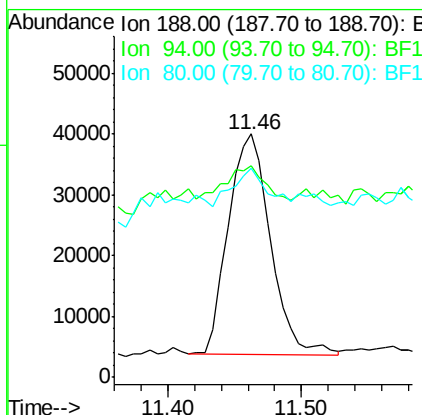
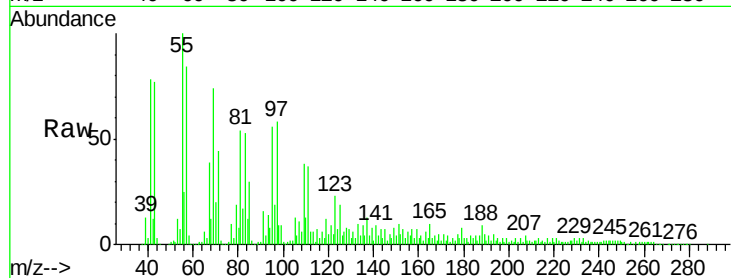




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.05 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

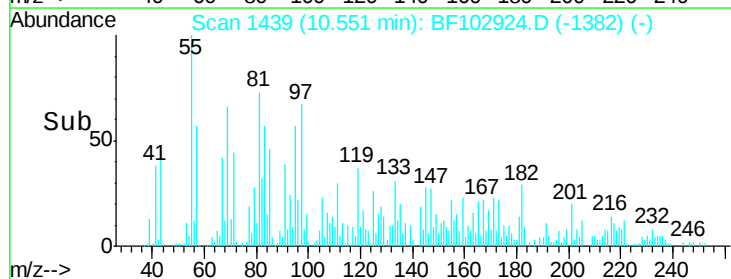
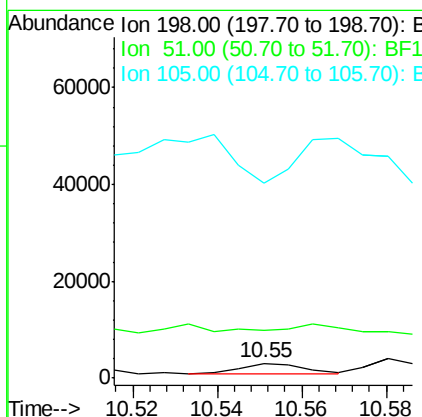
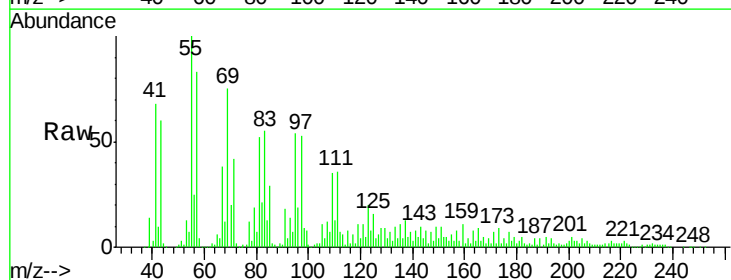
Instrument :
BNA_F
ClientSampleId :

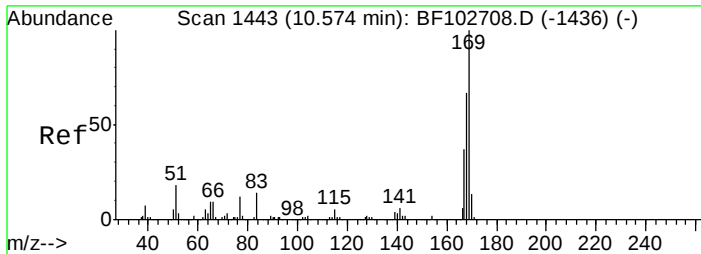
Tot Ion:188 Resp: 79402
Ion Ratio Lower Upper
188 100
94 86.7 8.5 12.7#
80 85.6 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 14.53 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.04 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

Tgt Ion:198 Resp: 2087
Ion Ratio Lower Upper
198 100
51 318.8 37.7 77.7#
105 1316.4 36.3 76.3#

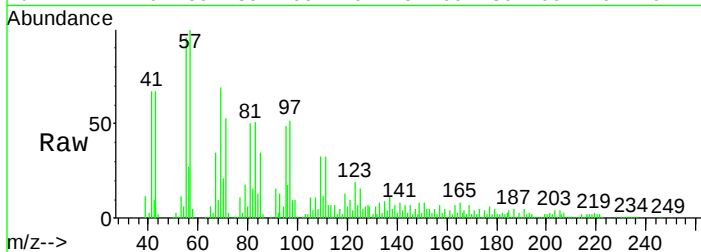




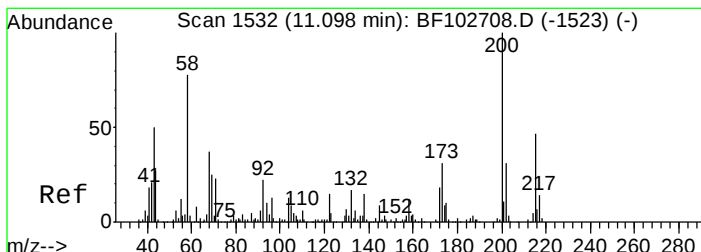
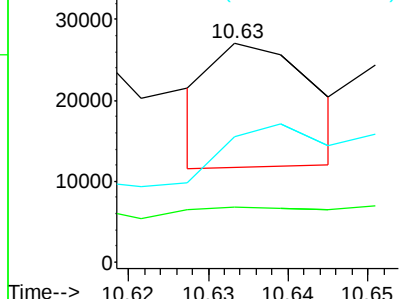
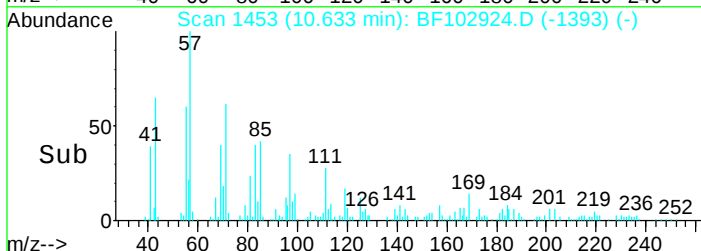
#65
n-Nitrosodiphenylamine
Concen: 4.77 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.05 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:169 Resp: 13357
Ion Ratio Lower Upper
169 100
168 25.4 54.4 81.6#
167 57.3 29.8 44.6#

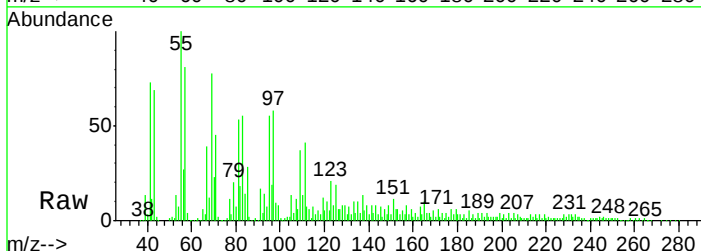


Abundance Ion 169.00 (168.70 to 169.70):
Ion 168.00 (167.70 to 168.70):
Ion 167.00 (166.70 to 167.70):

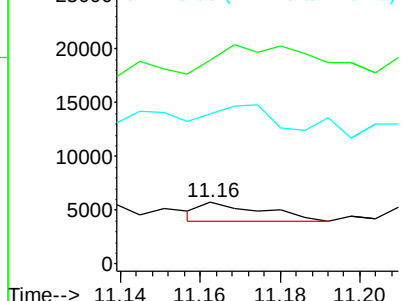
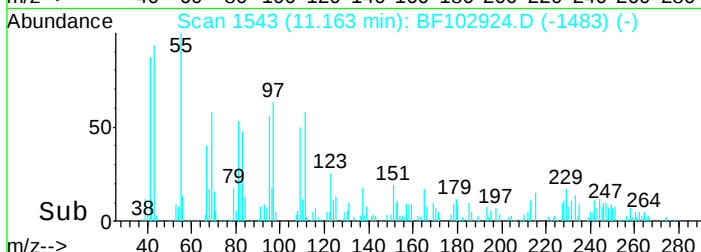


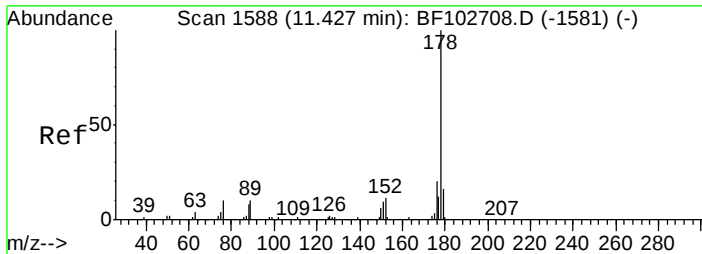
#68
Atrazine
Concen: 2.30 ng
RT: 11.16 min Scan# 1543
Delta R.T. 0.05 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

Tgt Ion:200 Resp: 1898
Ion Ratio Lower Upper
200 100



Abundance Ion 200.00 (199.70 to 200.40):
Ion 179.00 (178.70 to 179.70):
Ion 215.00 (214.70 to 215.70):

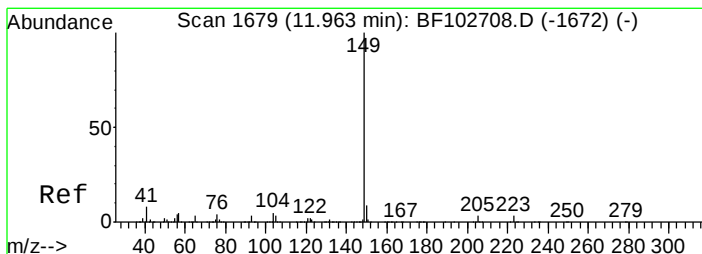
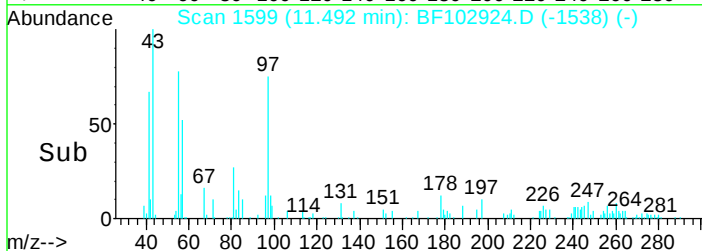
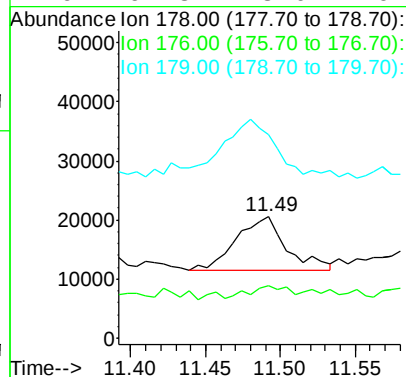
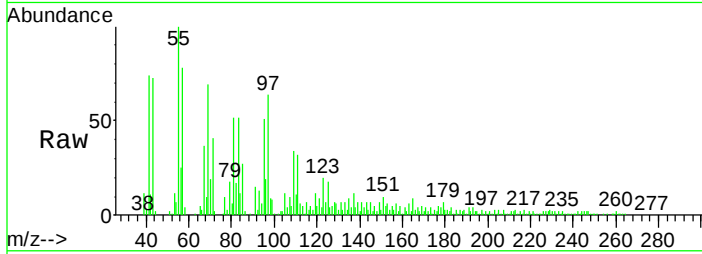




#70
Phenanthrene
Concen: 4.72 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.06 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

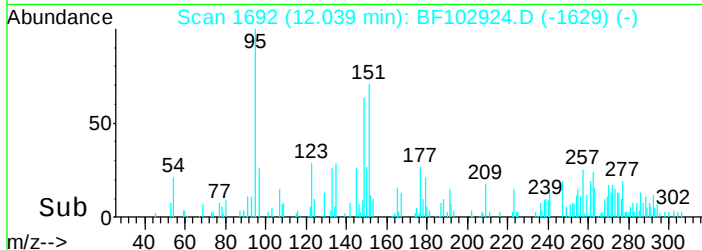
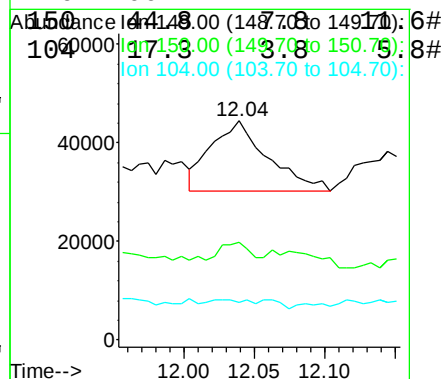
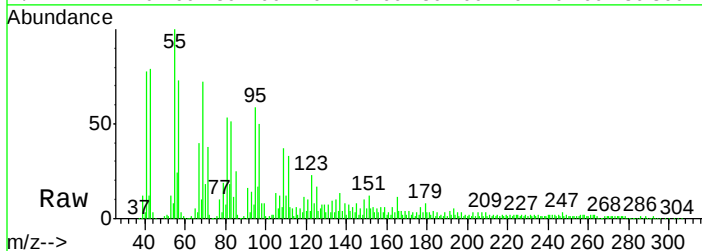
Instrument :
BNA_F
ClientSampleId :

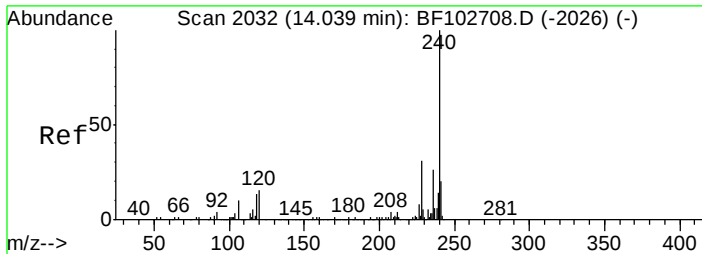
Tot Ion:178 Resp: 20863
Ion Ratio Lower Upper
178 100
176 43.1 15.8 23.8#
179 167.3 13.0 19.6#



#73
Di-n-butylphthalate
Concen: 7.45 ng
RT: 12.04 min Scan# 1692
Delta R.T. 0.07 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

Tgt Ion:149 Resp: 39856
Ion Ratio Lower Upper
149 100

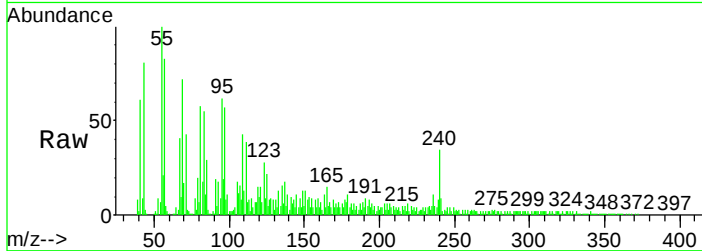




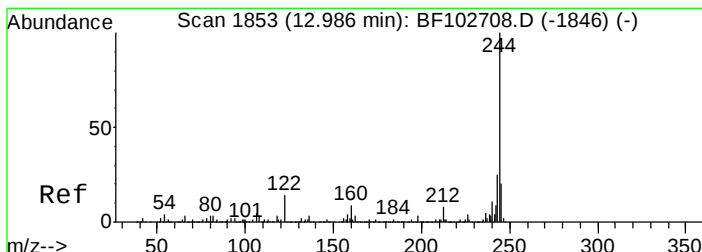
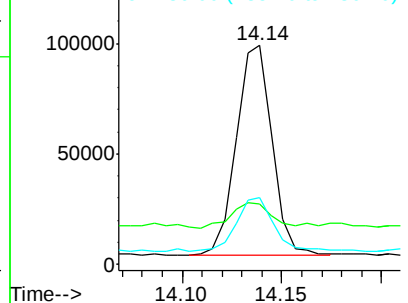
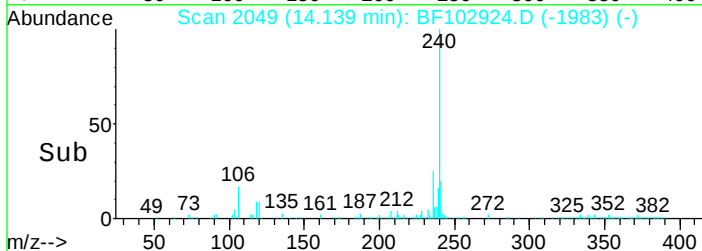
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.09 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 118674
Ion Ratio Lower Upper
240 100
120 27.5 9.5 14.3#
236 30.2 20.7 31.1

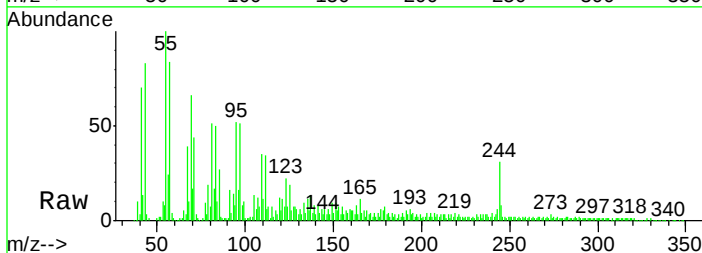


Abundance Ion 240.00 (239.70 to 240.70):
Ion 120.00 (119.70 to 120.70):
Ion 236.00 (235.70 to 236.70):

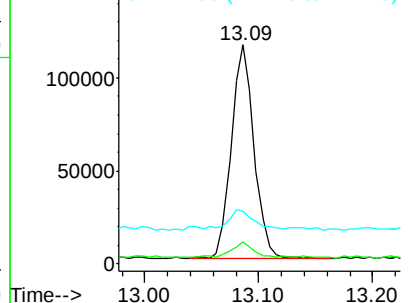
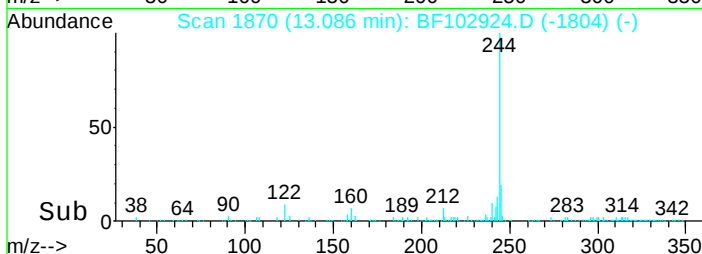


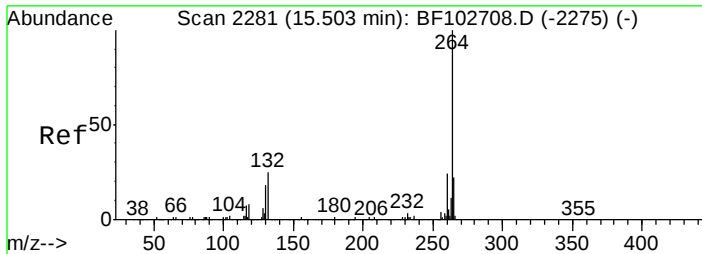
#78
Terphenyl-d14
Concen: 32.36 ng
RT: 13.09 min Scan# 1870
Delta R.T. 0.09 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

Tgt Ion:244 Resp: 162201
Ion Ratio Lower Upper
244 100
212 10.2 7.0 13.0#
122 24.3 11.0 16.4#



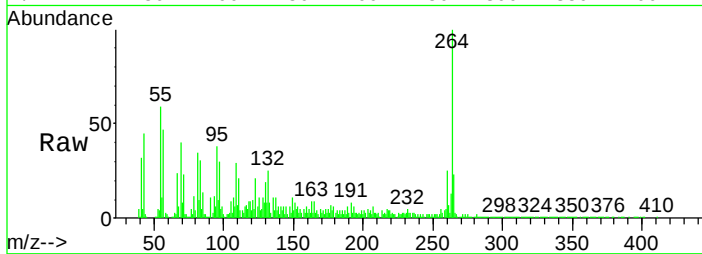
Abundance Ion 244.00 (243.70 to 244.70):
Ion 212.00 (211.70 to 212.70):
Ion 122.00 (121.70 to 122.70):





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.07 min
Lab File: BF102924.D
Acq: 12 Feb 2018 16:55

Instrument :
BNA_F
ClientSampleId :



Tot Ion:264 Resp: 229443
Ion Ratio Lower Upper
264 100
260 25.2 19.2 28.8
265 22.9 17.5 26.3

