

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102990.D
 Acq On : 14 Feb 2018 15:36
 Operator : SJ/JU
 Sample : J1541-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 16:27:18 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 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	153376	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	612537	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	236634	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	323793	20.00	ng	0.00
75) Chrysene-d12	14.04	240	270017	20.00	ng	0.00
86) Perylene-d12	15.52	264	234523	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1216196	120.42	ng	0.01
7) Phenol-d6	6.51	99	1450150	119.25	ng	0.01
23) Nitrobenzene-d5	7.44	82	924044	104.65	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	200232	105.13	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1267929	88.91	ng	0.00
78) Terphenyl-d14	12.99	244	805313	70.62	ng	0.00

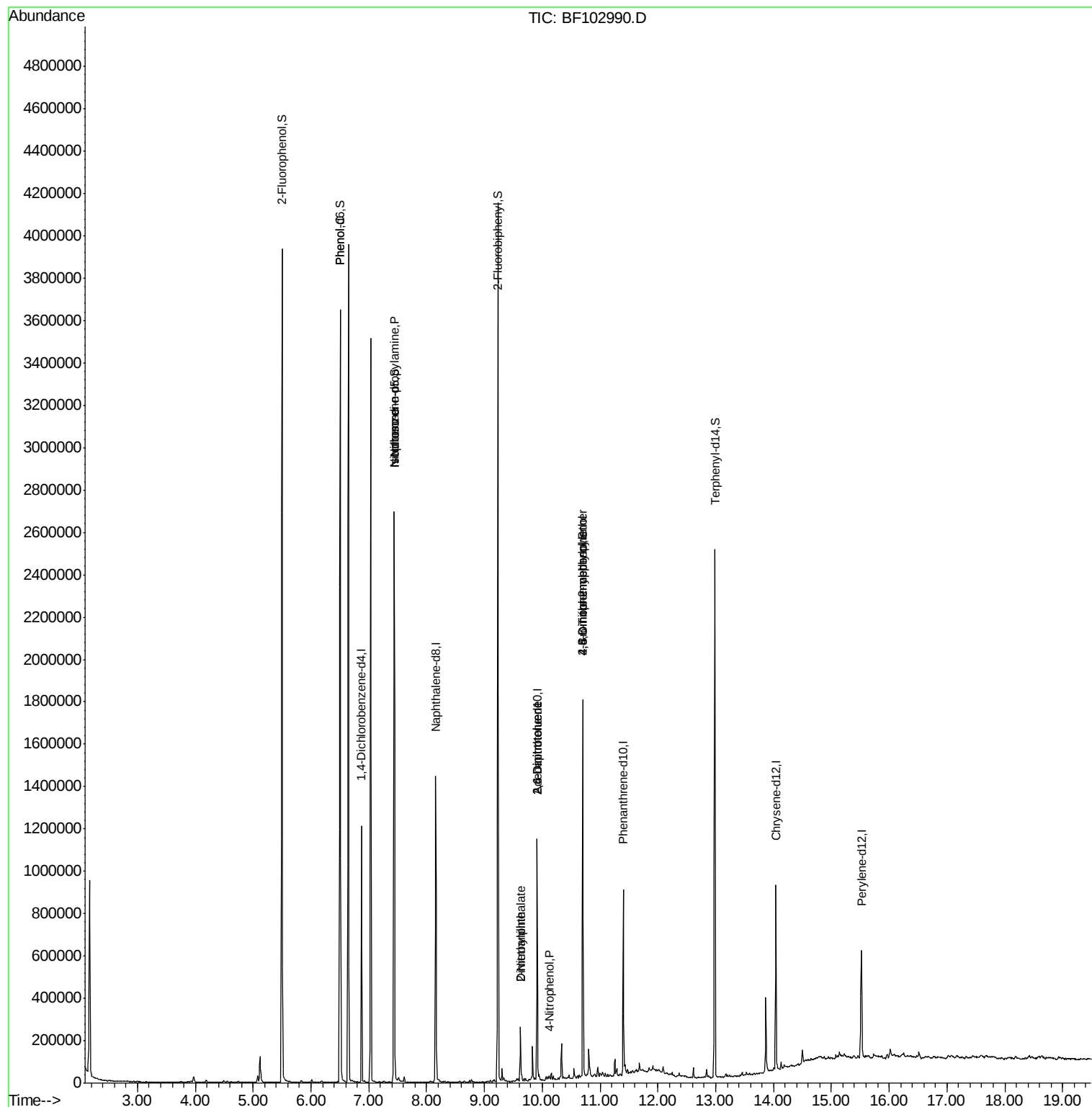
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	46323	3.555	ng	# 72
19) n-Nitroso-di-n-propylamine	7.44	70	122759	15.311	ng	# 81
25) Isophorone	7.44	82	924032	45.447	ng	# 64
47) 2-Nitroaniline	9.62	65	1227	3.707	ng	# 1
49) Dimethylphthalate	9.62	163	82617	4.478	ng	# 98
50) 2,6-Dinitrotoluene	9.91	165	29947	8.531	ng	# 25
55) 4-Nitrophenol	10.12	139	1716	4.483	ng	# 19
56) 2,4-Dinitrotoluene	9.91	165	29947	9.029	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	372	9.048	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	13626	3.978	ng	# 1

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

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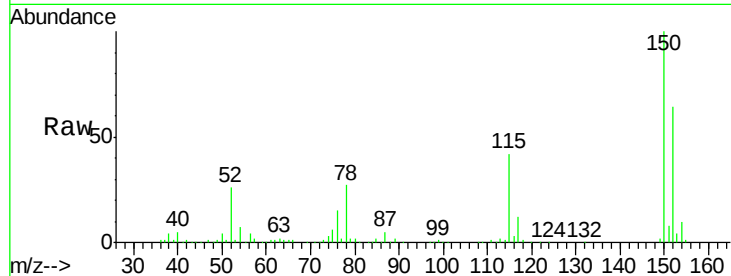


#1

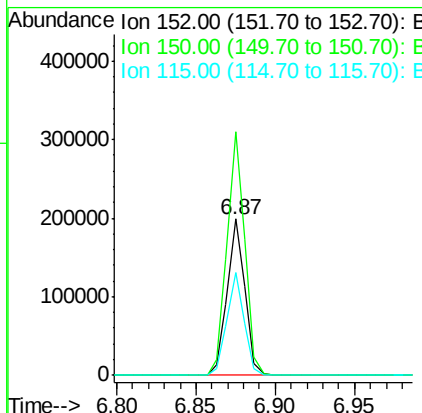
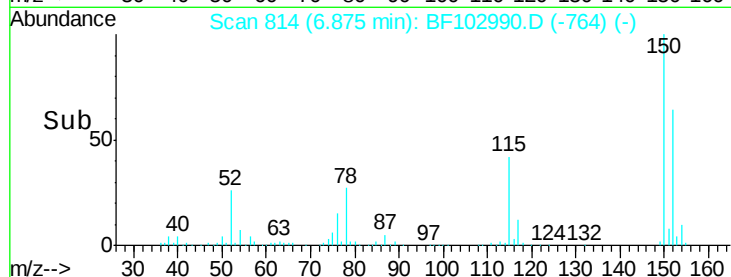
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153376
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 65.6 50.1 75.1



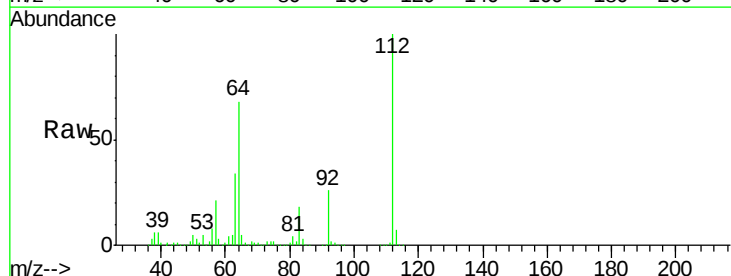
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



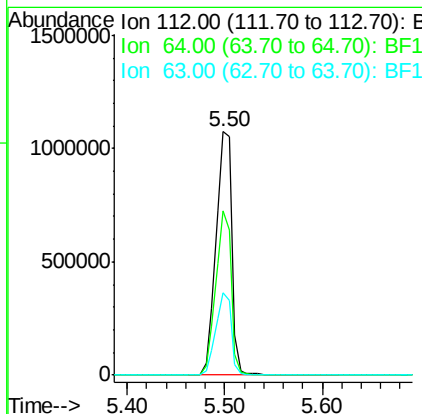
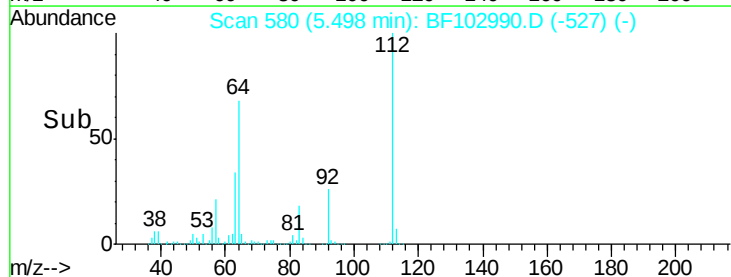
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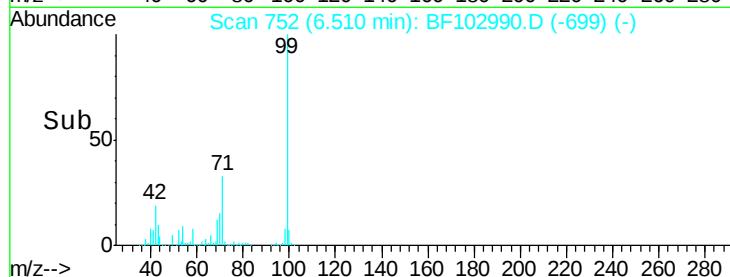
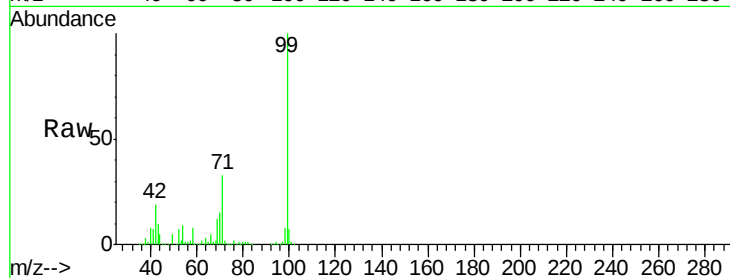
2-Fluorophenol
Concen: 120.423 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

Tgt Ion:112 Resp: 1216196
Ion Ratio Lower Upper
112 100
64 67.7 47.9 71.9
63 33.9 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: 119.252 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102990.D

Acq: 14 Feb 2018 15:36

Instrument :

BNA_F

ClientSampleId :

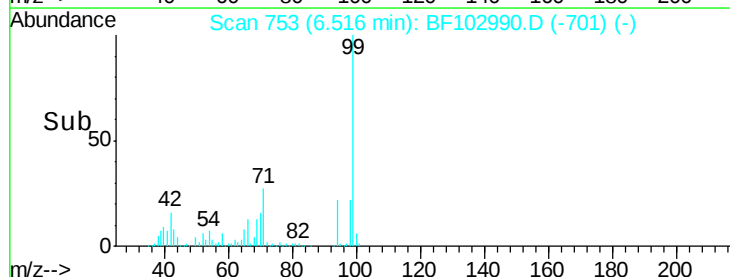
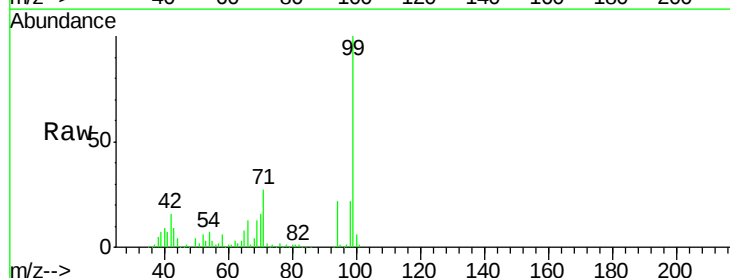
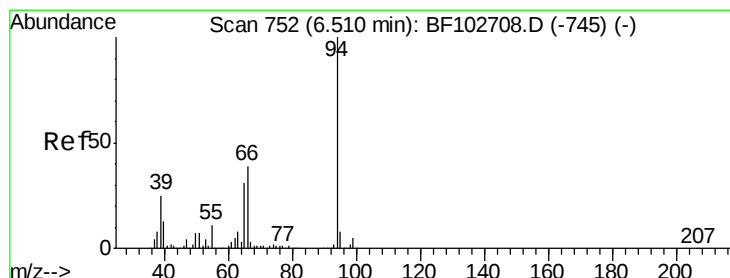
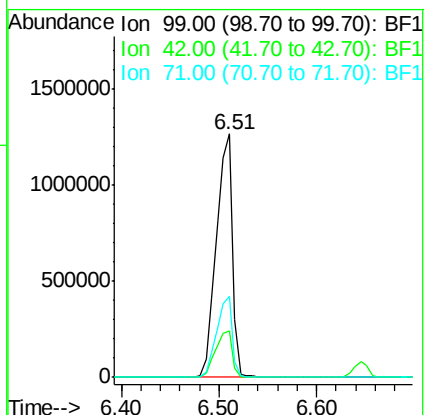
Tot Ion: 99 Resp: 1450150

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

71 33.1 25.4 38.0



#10

Phenol

Concen: 3.555 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102990.D

Acq: 14 Feb 2018 15:36

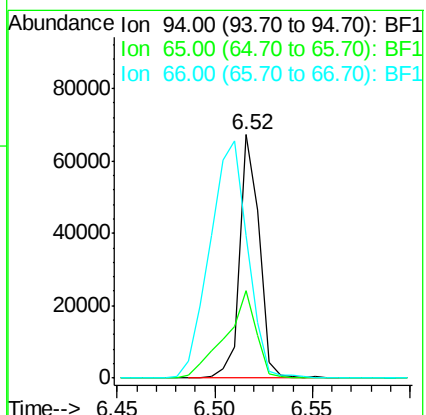
Tgt Ion: 94 Resp: 46323

Ion Ratio Lower Upper

94 100

65 36.1 7.9 47.9

66 58.8 16.2 56.2#

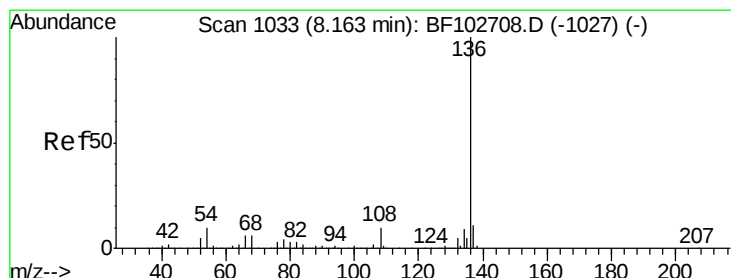
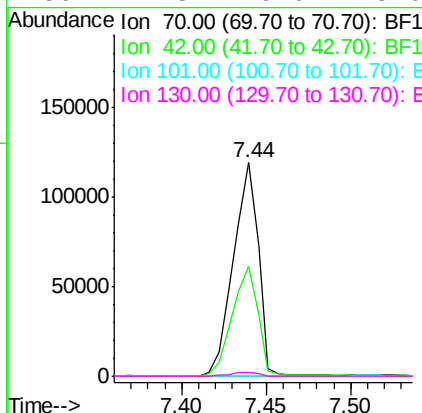
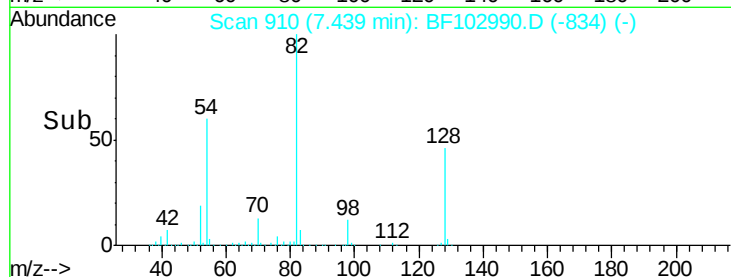
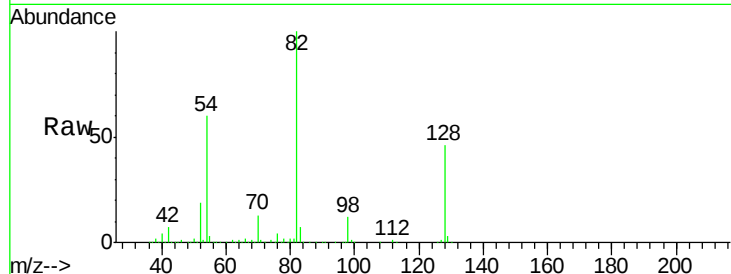




#19
n-Nitroso-di-n-propylamine
Concen: 15.311 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

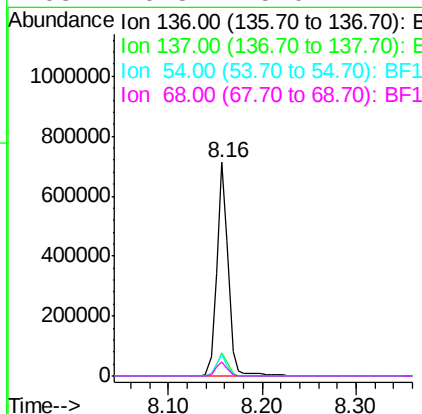
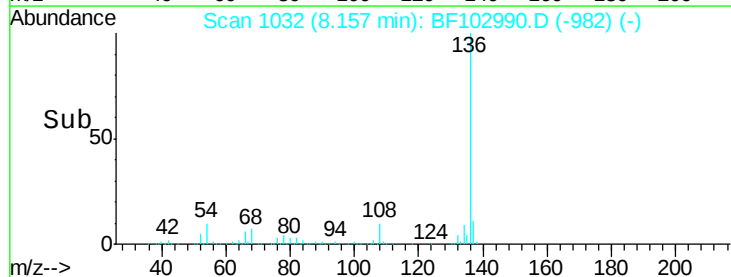
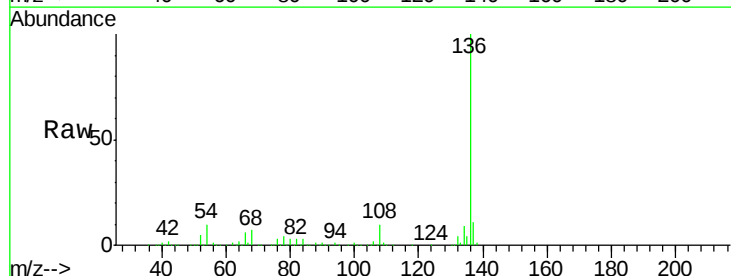
Instrument :
BNA_F
ClientSampleId :

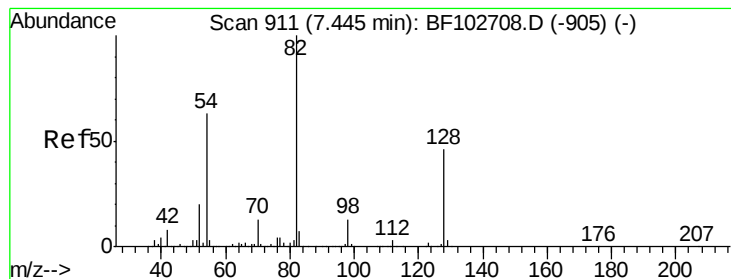
Tot Ion: 70 Resp: 122759
Ion Ratio Lower Upper
70 100
42 51.8 47.5 71.3
101 0.0 7.4 11.2#
130 1.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

Tgt Ion: 136 Resp: 612537
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 10.2 6.6 9.8#
68 6.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 104.649 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF102990.D

Acq: 14 Feb 2018 15:36

Instrument :

BNA_F

ClientSampled :

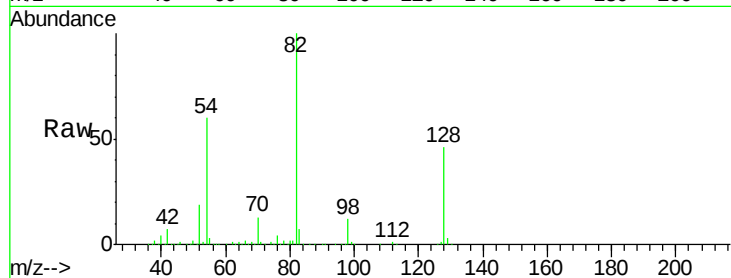
Tot Ion: 82 Resp: 924044

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

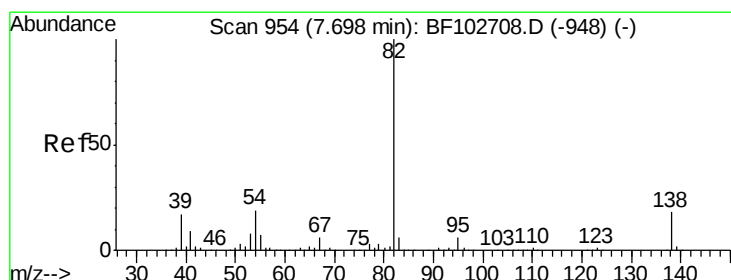
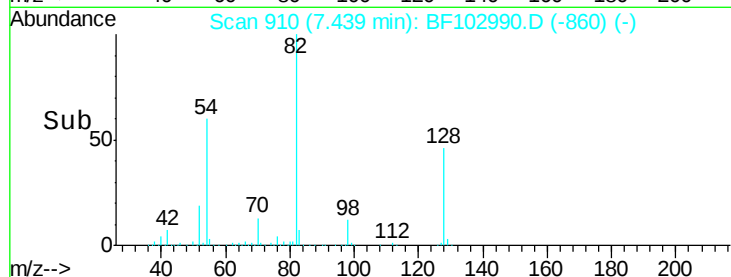
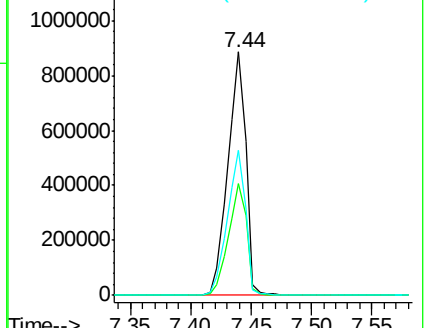
54 59.8 41.4 62.2



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



#25

Isophorone

Concen: 45.447 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF102990.D

Acq: 14 Feb 2018 15:36

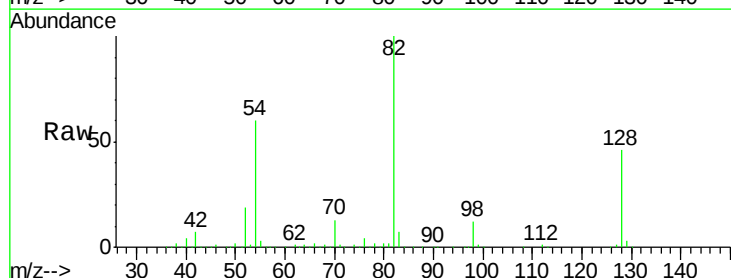
Tgt Ion: 82 Resp: 924032

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

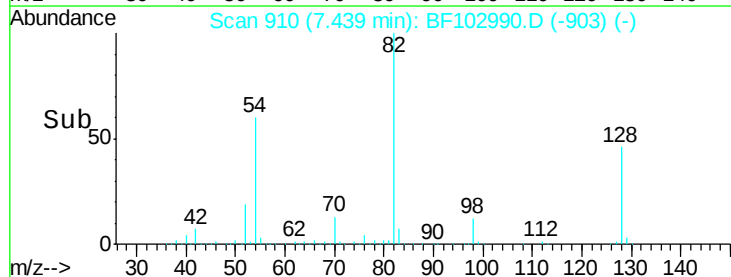
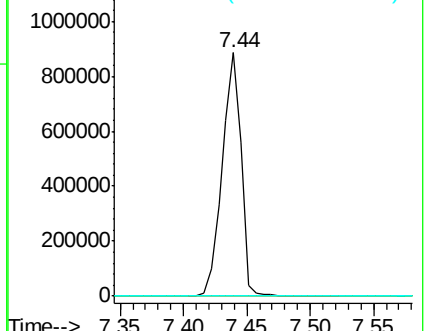
138 0.0 14.9 22.3#

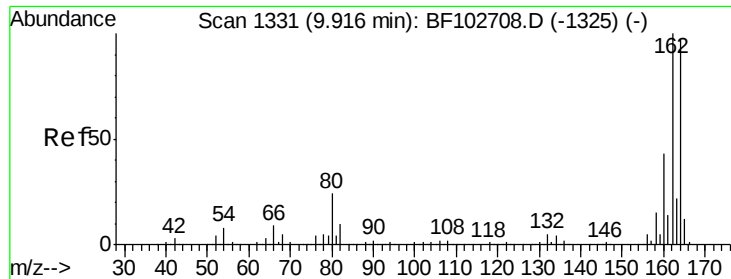


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

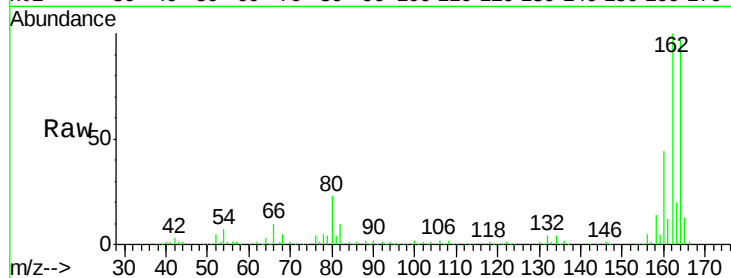




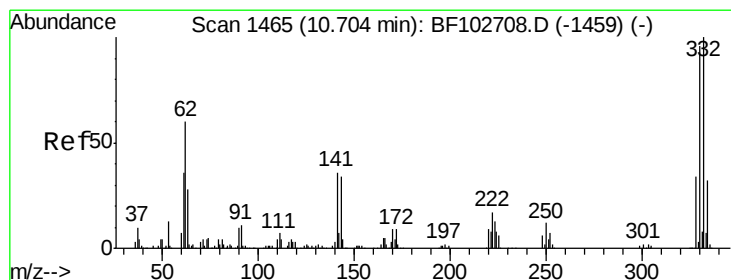
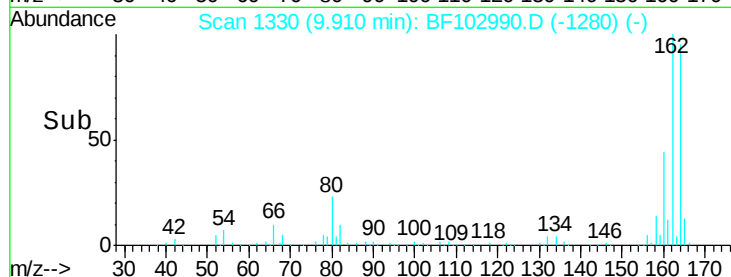
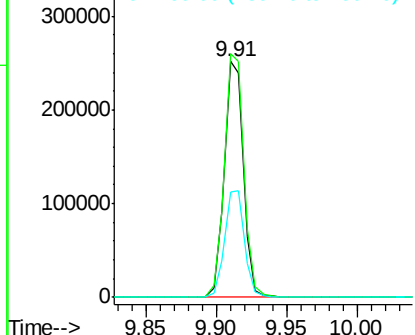
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 236634
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 45.0 38.3 57.5

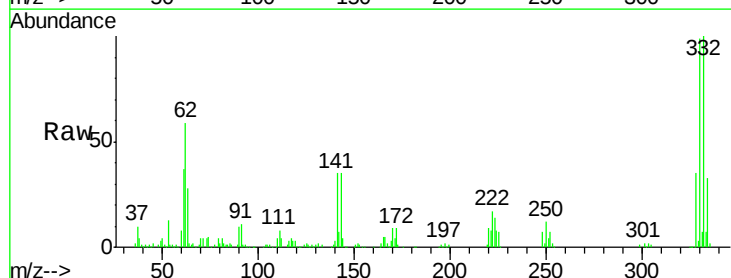


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

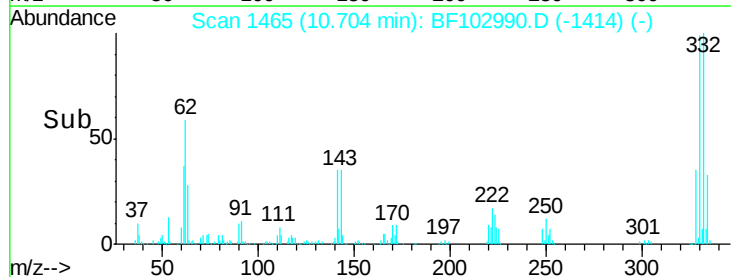
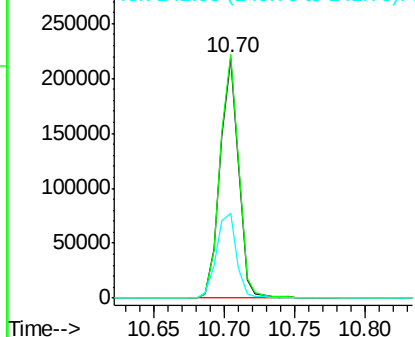


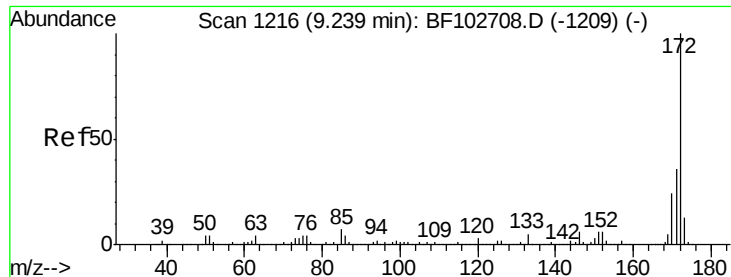
#41
2,4,6-Tribromophenol
Concen: 105.129 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.00 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

Tgt Ion:330 Resp: 200232
Ion Ratio Lower Upper
330 100
332 101.7 77.0 115.6
141 38.6 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



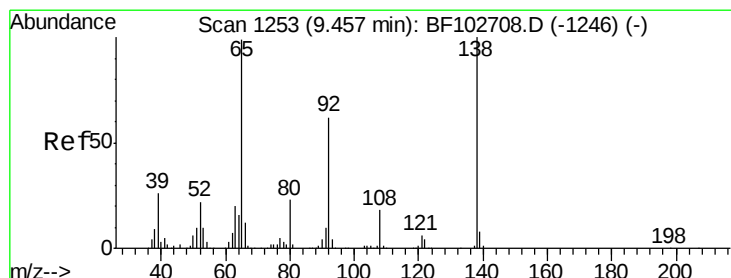
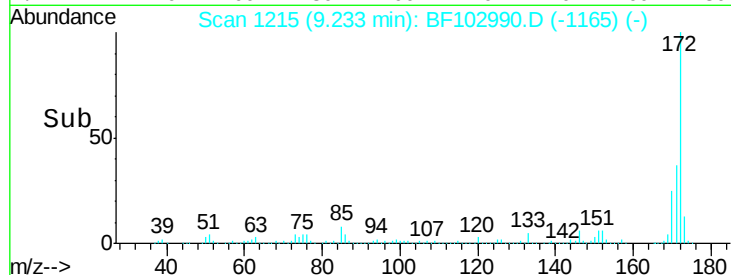
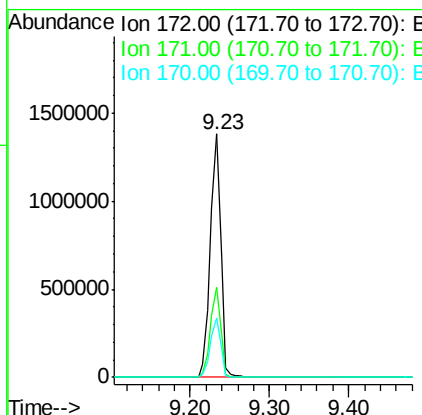
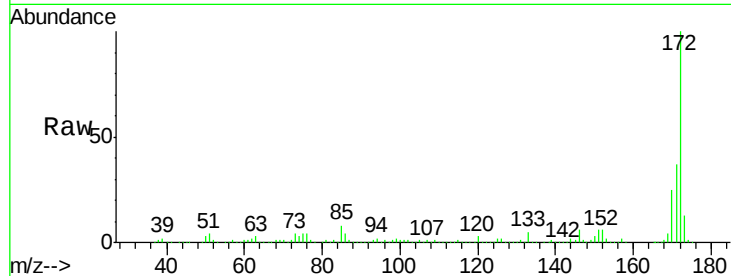


#44
 2-Fluorobiphenyl
 Concen: 88.911 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF102990.D
 Acq: 14 Feb 2018 15:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1267929

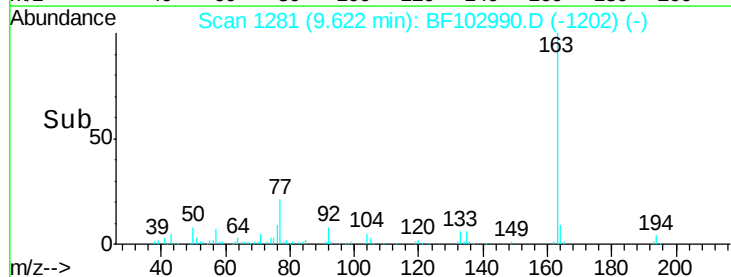
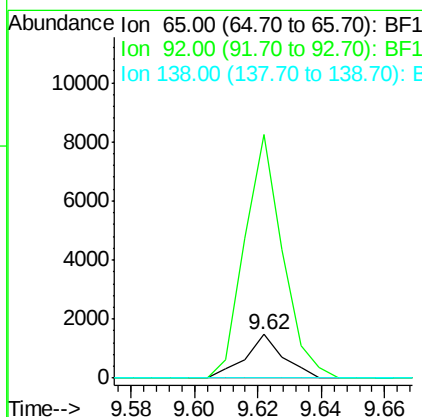
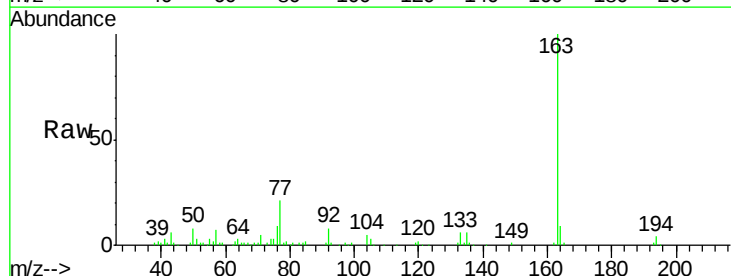
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.5	19.6	29.4

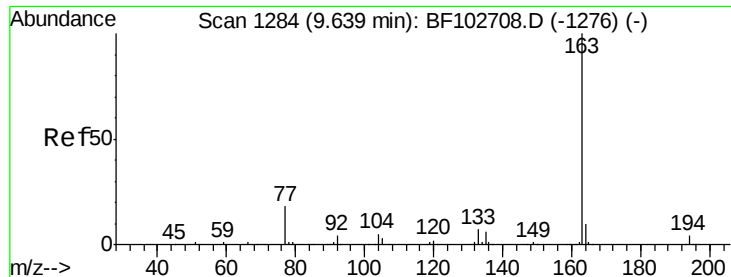


#47
 2-Nitroaniline
 Concen: 3.707 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. 0.17 min
 Lab File: BF102990.D
 Acq: 14 Feb 2018 15:36

Tgt Ion: 65 Resp: 1227

Ion	Ratio	Lower	Upper
65	100		
92	556.1	55.8	83.6#
138	0.0	91.2	136.8#

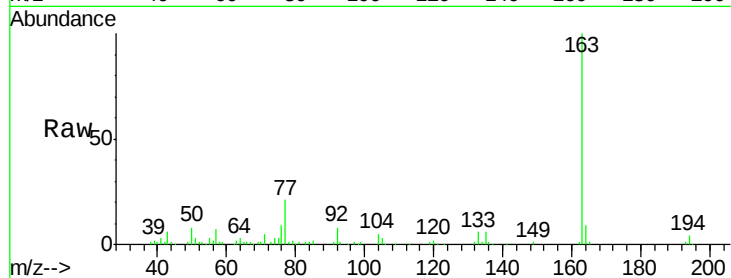




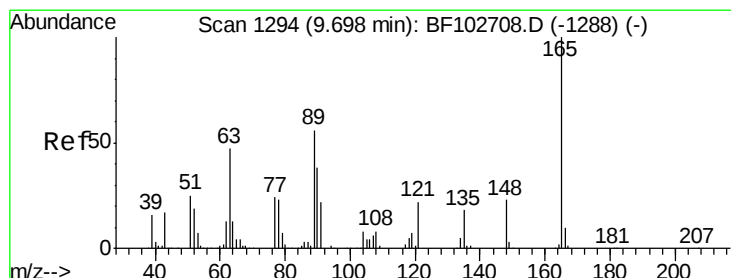
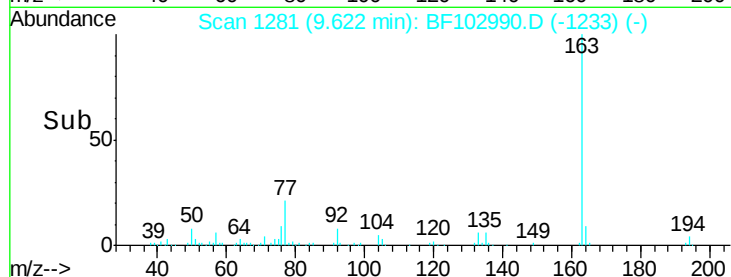
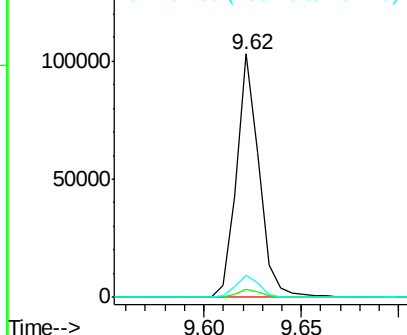
#49
Dimethylphthalate
Concen: 4.478 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.3	8.2	12.2

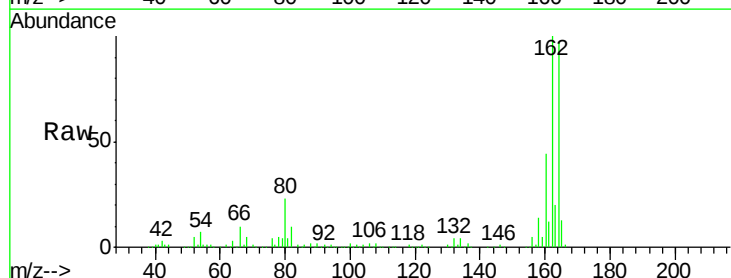


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

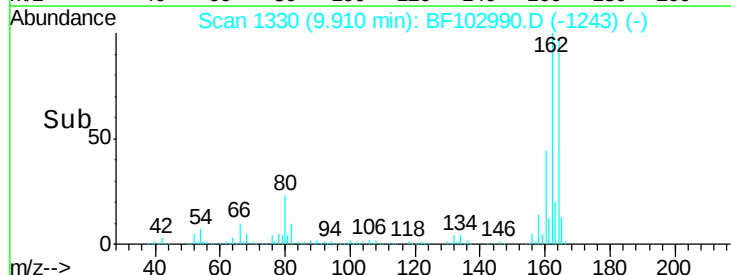
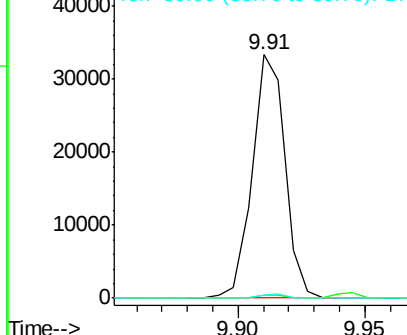


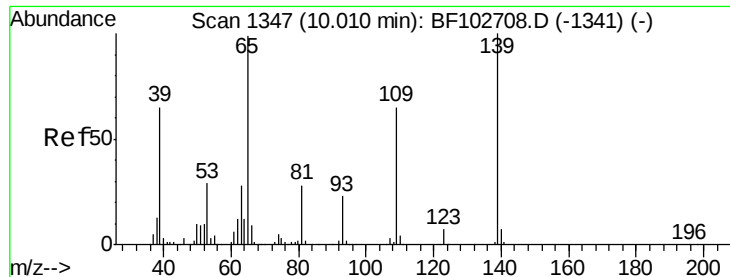
#50
2,6-Dinitrotoluene
Concen: 8.531 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.2	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

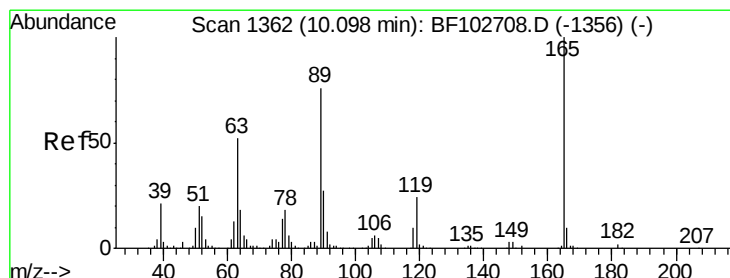
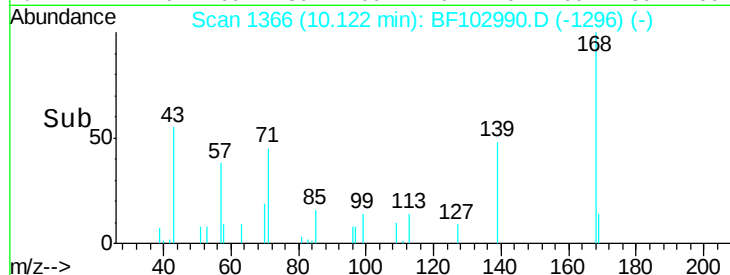
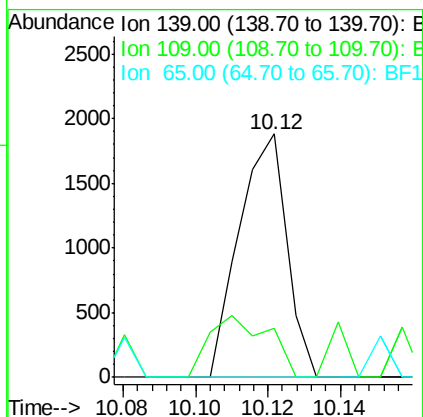
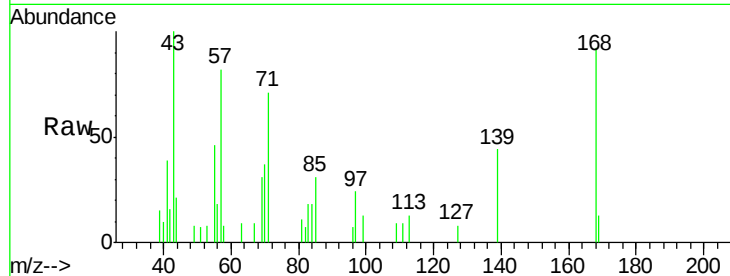




#55
4-Nitrophenol
Concen: 4.483 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.11 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

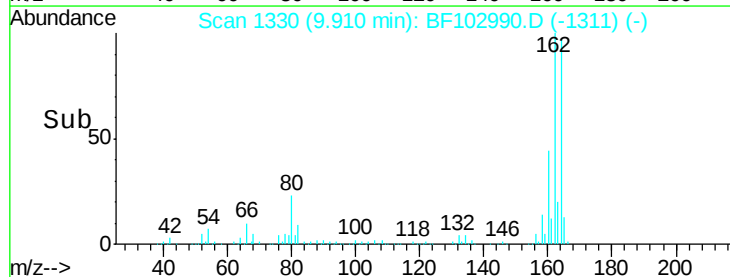
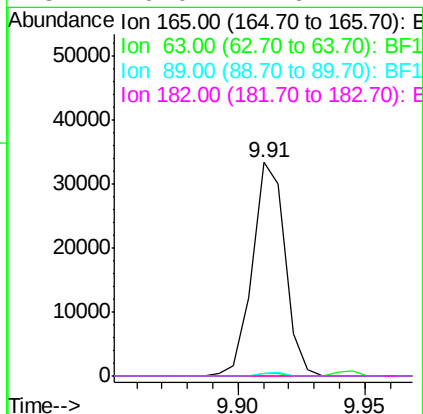
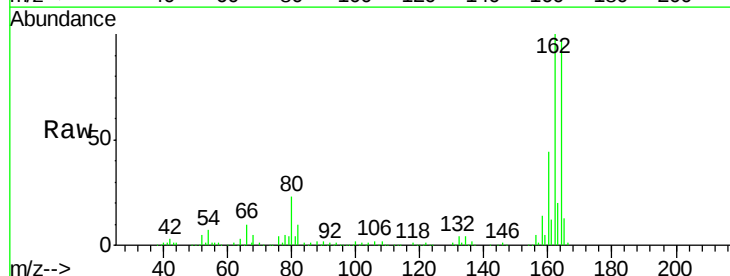
Instrument :
BNA_F
ClientSampled :

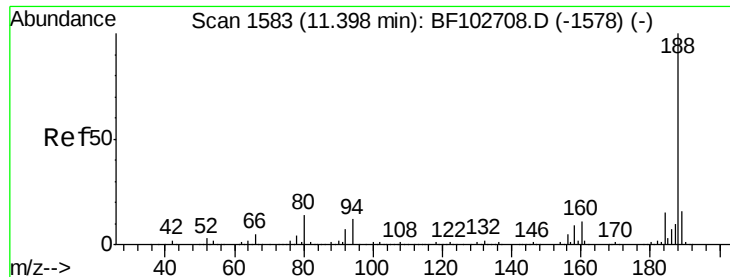
Tot Ion:139 Resp: 1716
Ion Ratio Lower Upper
139 100
109 20.3 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.029 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.19 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

Tgt Ion:165 Resp: 29947
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.2 57.8 86.6#
182 0.0 1.6 2.4#

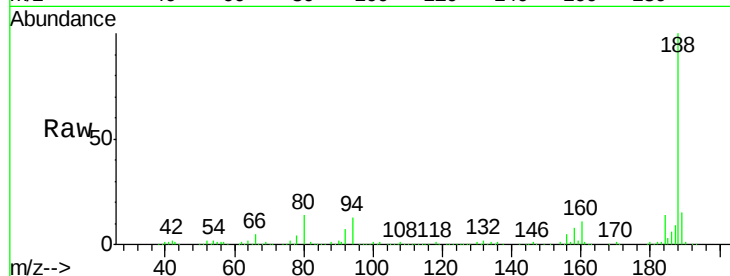




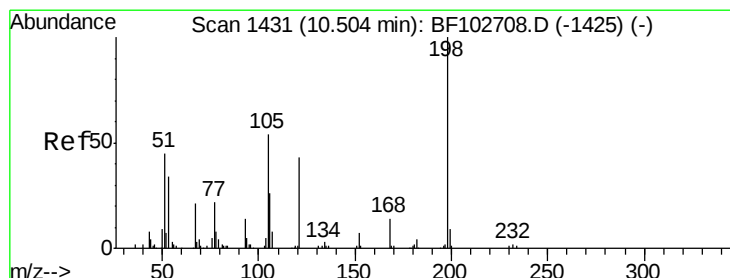
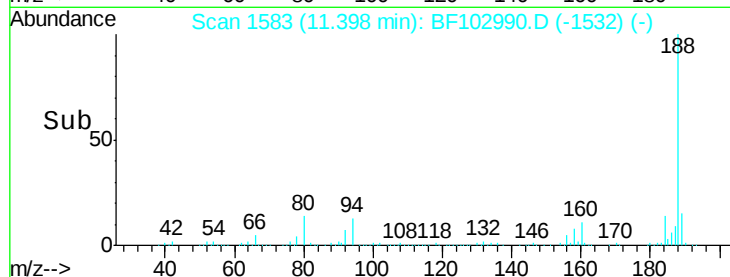
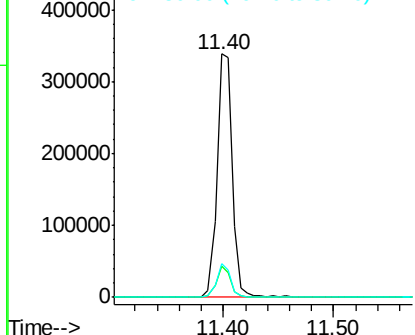
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 323793
Ion Ratio Lower Upper
188 100
94 13.0 8.5 12.7#
80 13.9 9.2 13.8#

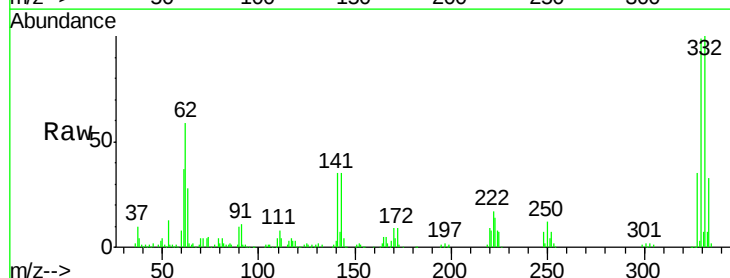


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

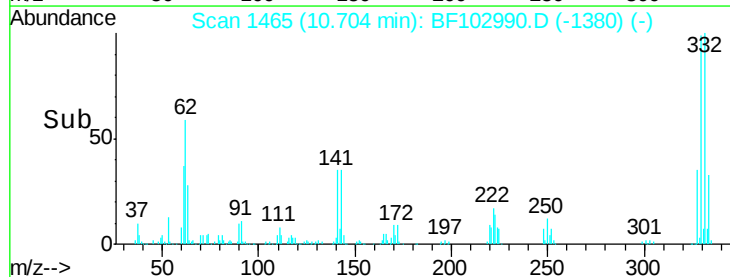
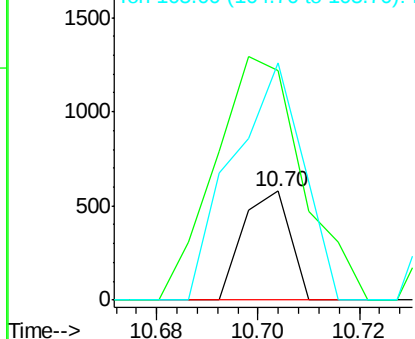


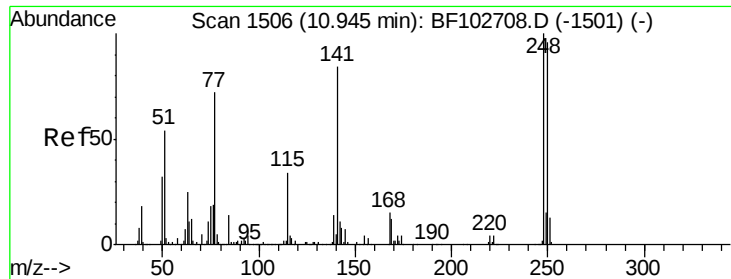
#64
4,6-Dinitro-2-methylphenol
Concen: 9.048 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.20 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

Tgt Ion:198 Resp: 372
Ion Ratio Lower Upper
198 100
51 211.1 37.7 77.7#
105 217.9 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

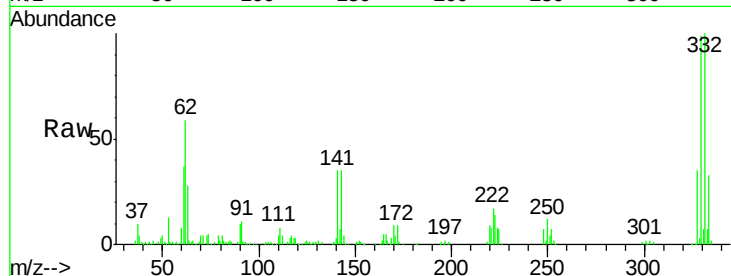




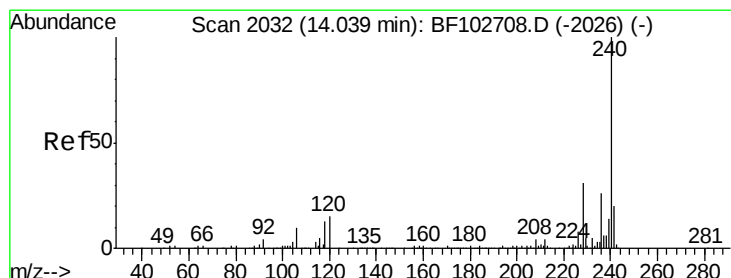
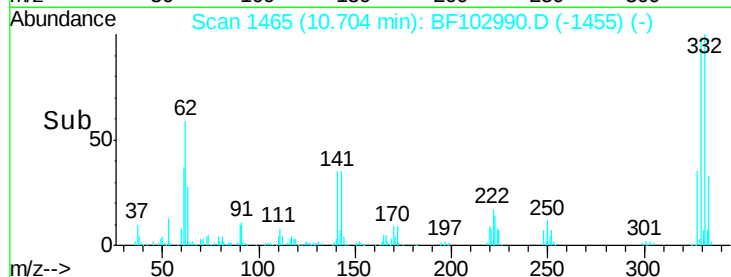
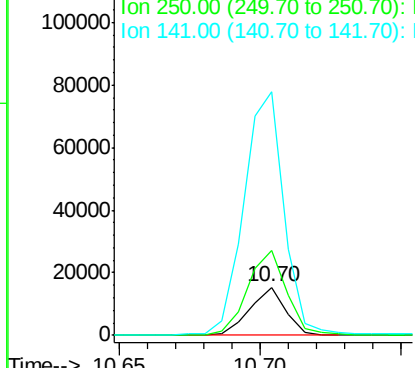
#66
4-Bromophenyl-phenylether
Concen: 3.978 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.24 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 13626
Ion Ratio Lower Upper
248 100
250 176.5 76.9 115.3#
141 505.9 74.4 111.6#

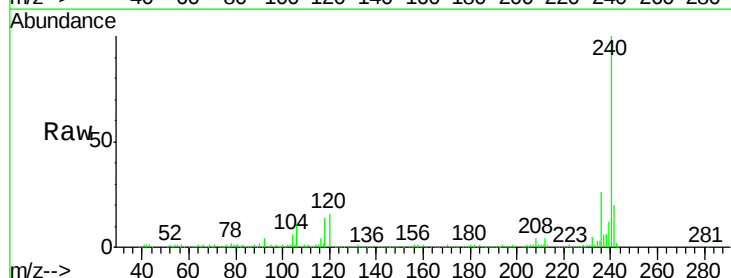


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

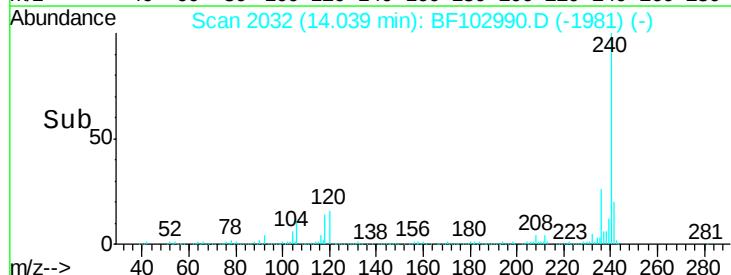
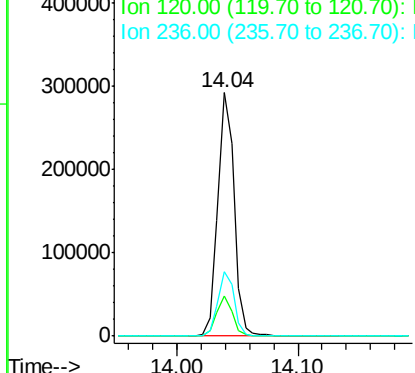


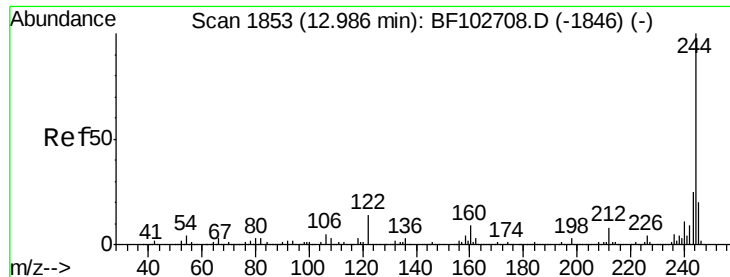
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF102990.D
Acq: 14 Feb 2018 15:36

Tgt Ion:240 Resp: 270017
Ion Ratio Lower Upper
240 100
120 16.4 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: 70.618 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF102990.D

Acq: 14 Feb 2018 15:36

Instrument :

BNA_F

ClientSampleId :

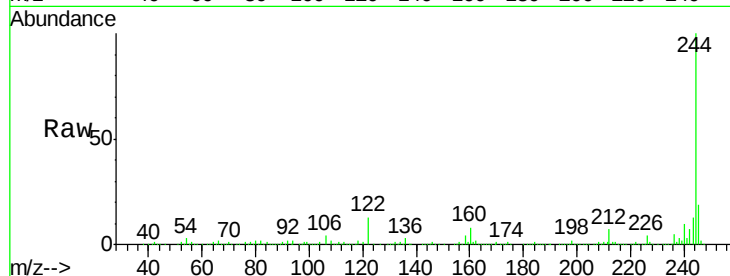
Tot Ion:244 Resp: 805313

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

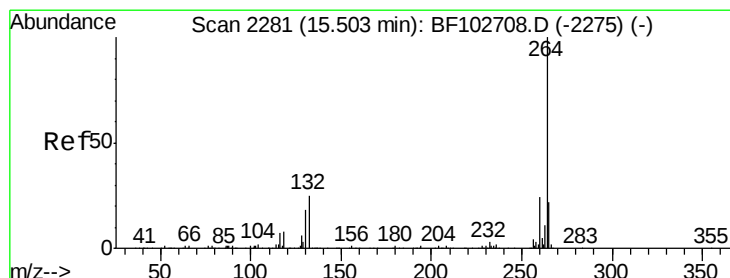
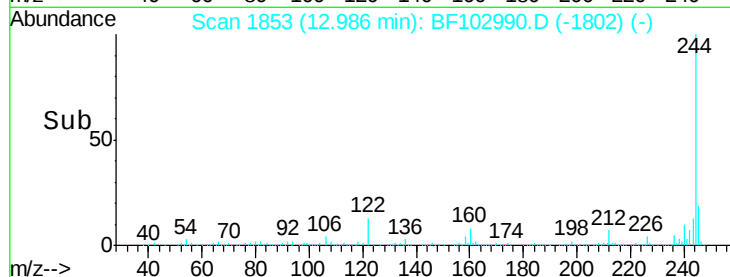
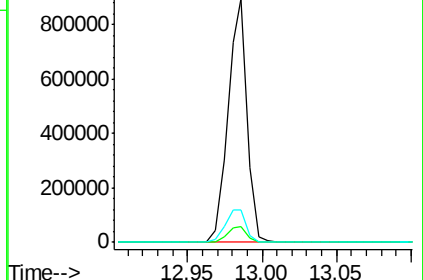
122 13.4 11.0 16.4



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. 0.02 min

Lab File: BF102990.D

Acq: 14 Feb 2018 15:36

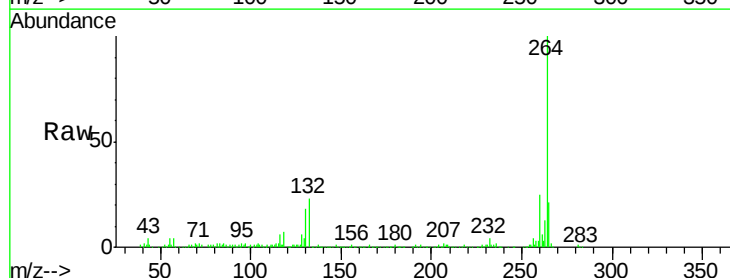
Tgt Ion:264 Resp: 234523

Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

265 20.9 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

