

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102979.D
 Acq On : 14 Feb 2018 10:39
 Operator : SJ/JU
 Sample : PB106515BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 12:39:22 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	181143	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	769959	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	360859	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	646708	20.00	ng	0.00
75) Chrysene-d12	14.04	240	477958	20.00	ng	0.00
86) Perylene-d12	15.52	264	361252	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1040930	87.27	ng	0.01
7) Phenol-d6	6.50	99	1258893	87.66	ng	0.00
23) Nitrobenzene-d5	7.44	82	810331	73.01	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	289075	99.53	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1343763	61.79	ng	0.00
78) Terphenyl-d14	12.99	244	1345633	66.66	ng	0.00

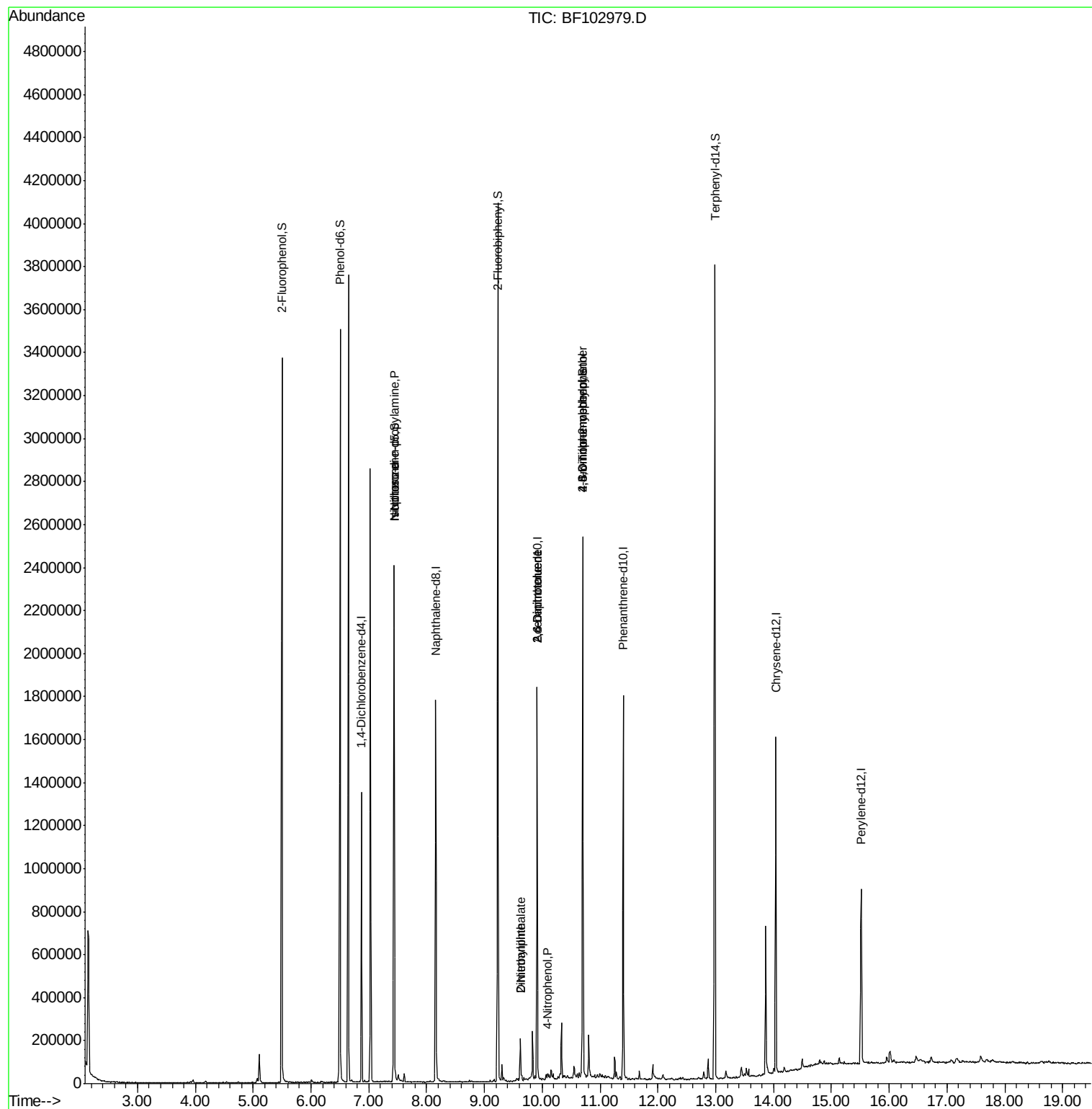
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	107616	11.365	ng	# 82
25) Isophorone	7.44	82	810321	31.706	ng	# 64
47) 2-Nitroaniline	9.62	65	799	3.573	ng	# 1
49) Dimethylphthalate	9.62	163	63024	2.240	ng	100
50) 2,6-Dinitrotoluene	9.91	165	45792	8.554	ng	# 26
55) 4-Nitrophenol	10.10	139	108	4.043	ng	# 9
56) 2,4-Dinitrotoluene	9.91	165	45792	9.045	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	847	9.083	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	19072	2.788	ng	# 1

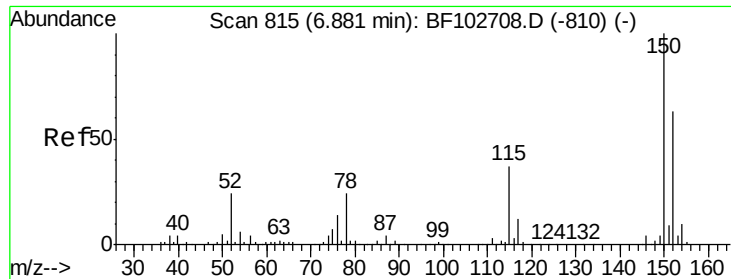
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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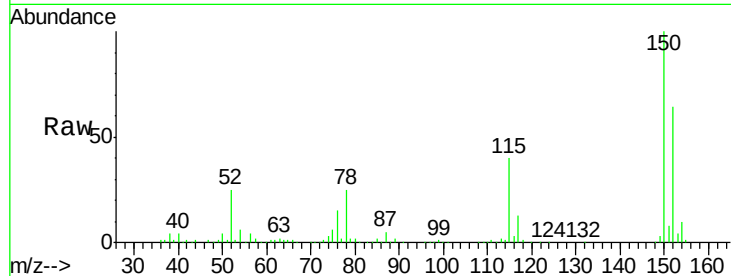


#1

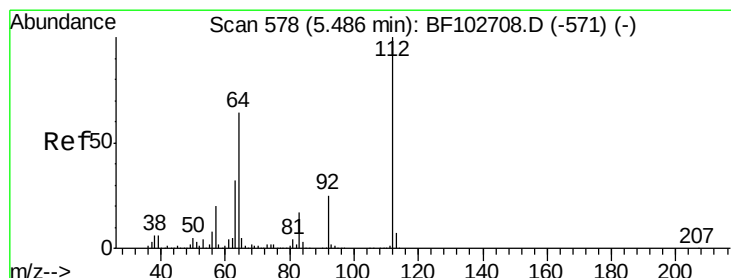
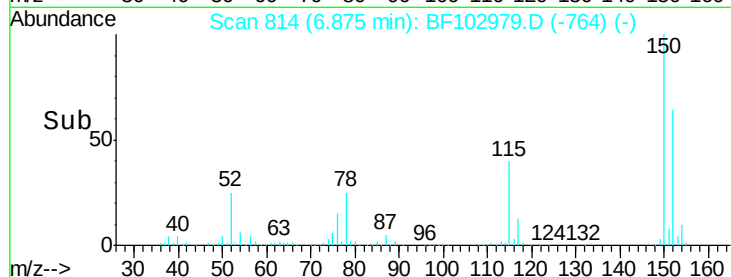
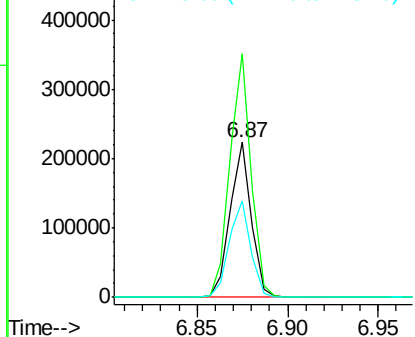
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102979.D
Acq: 14 Feb 2018 10:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 181143
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 62.6 50.1 75.1



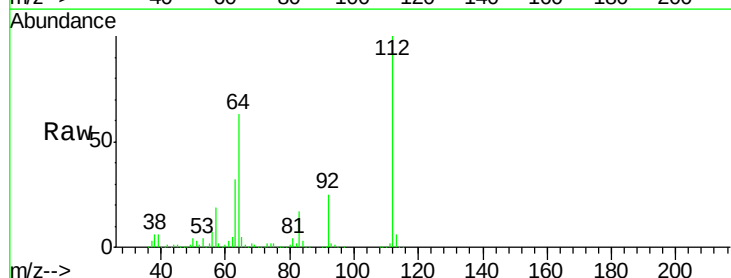
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



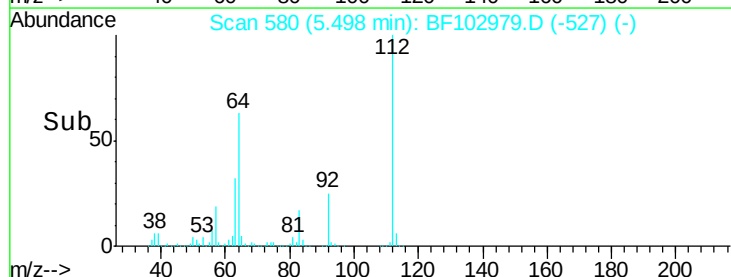
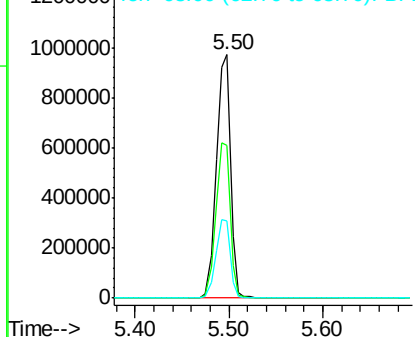
#5

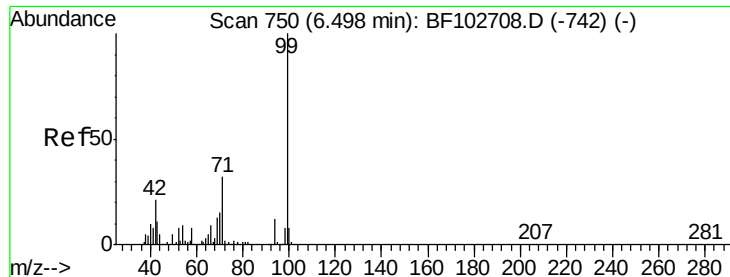
2-Fluorophenol
Concen: 87.270 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102979.D
Acq: 14 Feb 2018 10:39

Tgt Ion:112 Resp: 1040930
Ion Ratio Lower Upper
112 100
64 62.9 47.9 71.9
63 31.6 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: 87.655 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF102979.D

Acq: 14 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

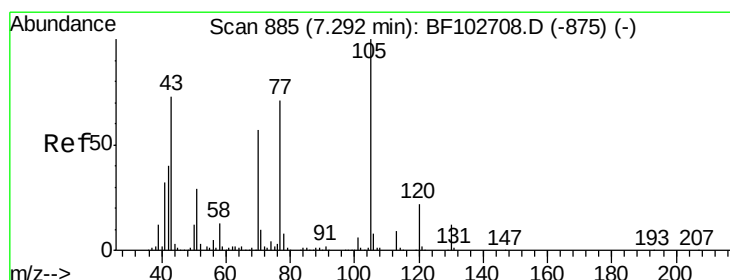
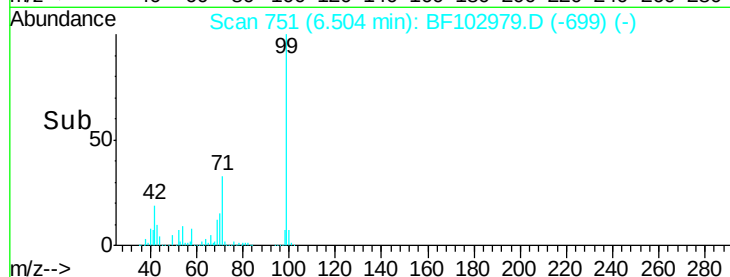
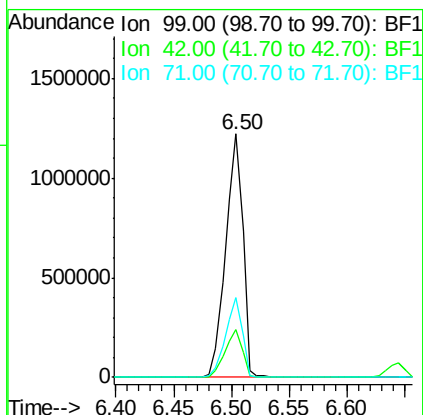
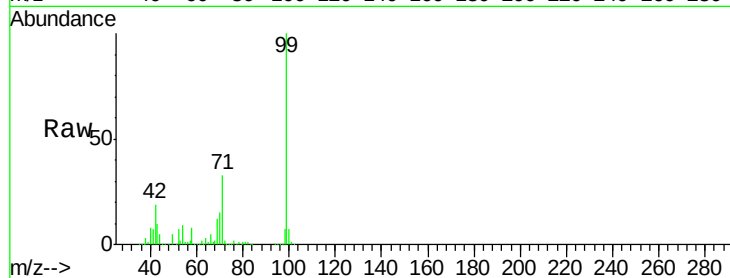
Tot Ion: 99 Resp: 1258893

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 32.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.365 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF102979.D

Acq: 14 Feb 2018 10:39

Tgt Ion: 70 Resp: 107616

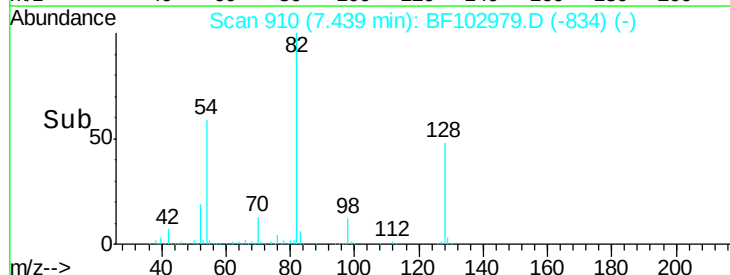
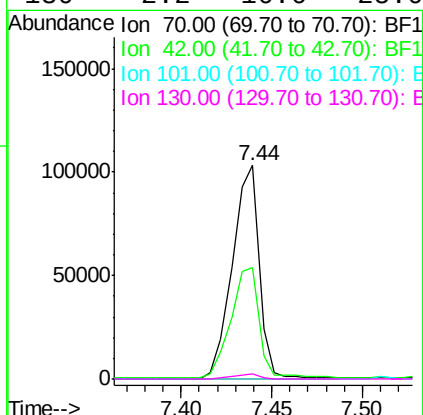
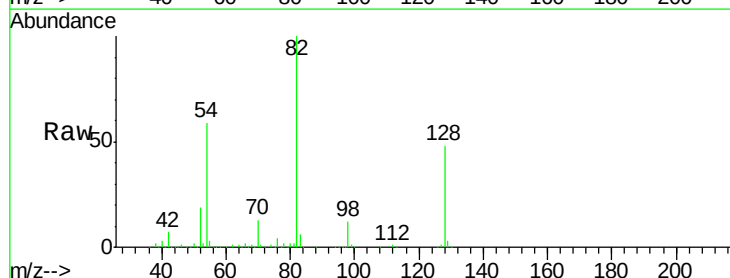
Ion Ratio Lower Upper

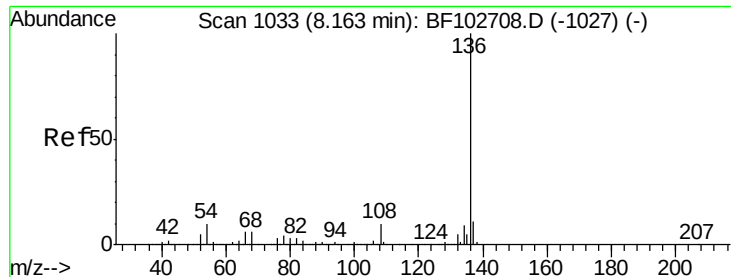
70 100

42 52.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

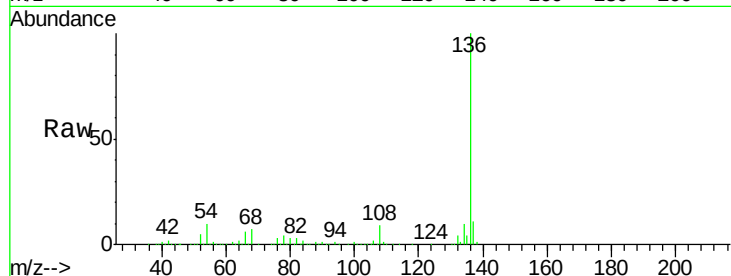




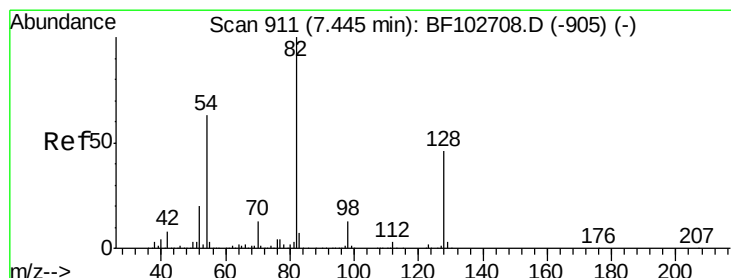
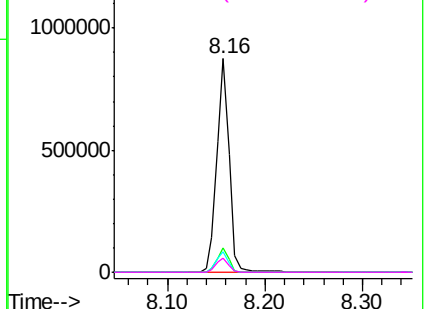
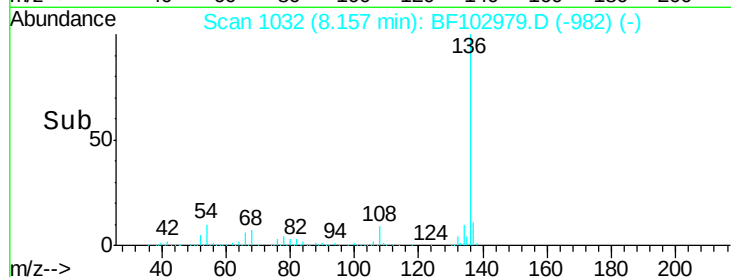
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF102979.D
Acq: 14 Feb 2018 10:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	769959
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.9 13.3
54	9.6	6.6 9.8
68	6.8	5.0 7.4

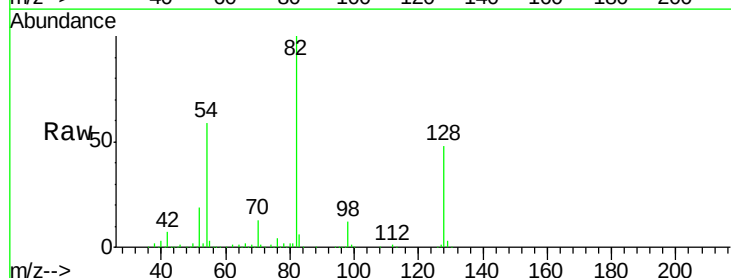


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

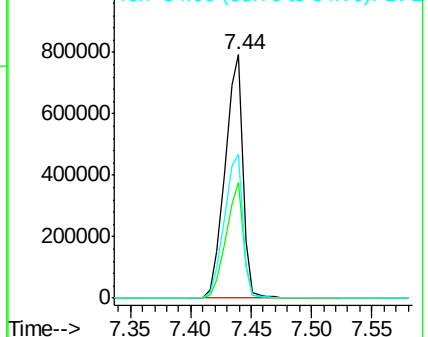
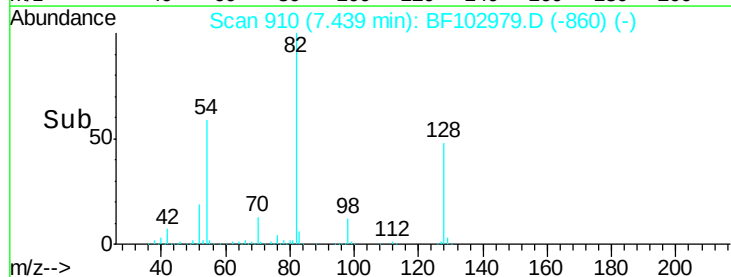


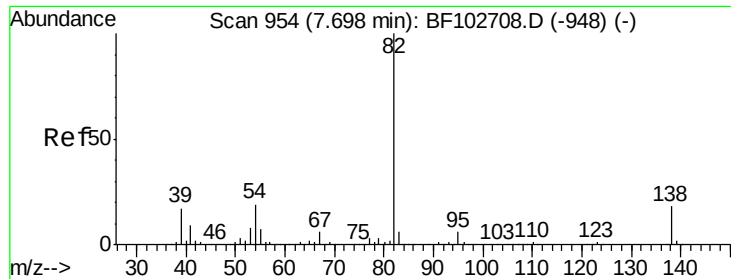
#23
Nitrobenzene-d5
Concen: 73.008 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102979.D
Acq: 14 Feb 2018 10:39

Tgt Ion: 82	Resp:	810331
Ion Ratio	Lower	Upper
82	100	
128	47.6	36.1 54.1
54	58.8	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: 31.706 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF102979.D

Acq: 14 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

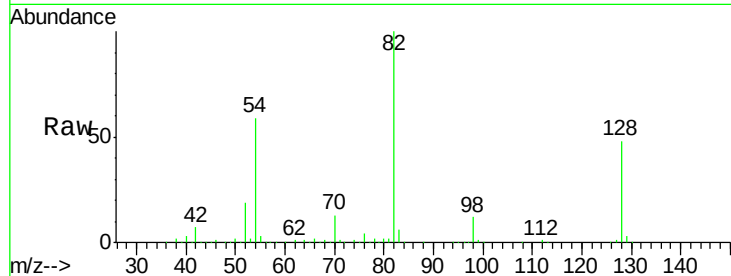
Tot Ion: 82 Resp: 810321

Ion Ratio Lower Upper

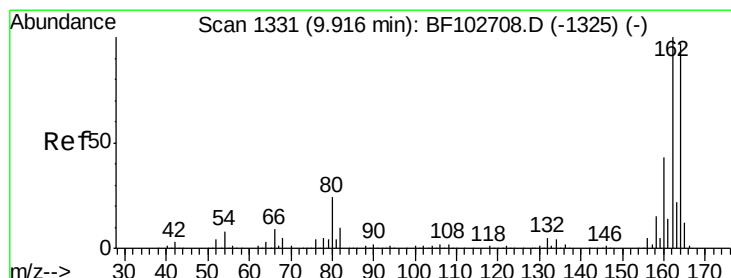
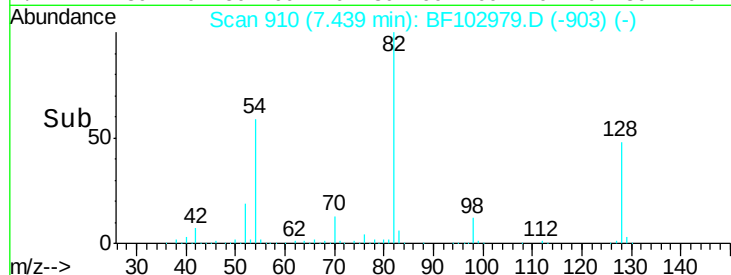
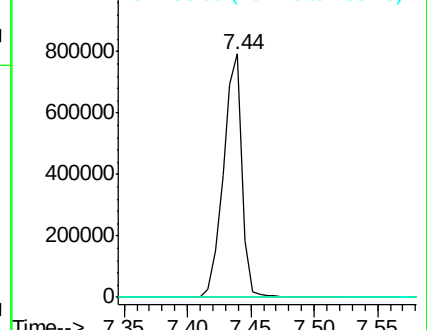
82 100

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: BF102979.D

Acq: 14 Feb 2018 10:39

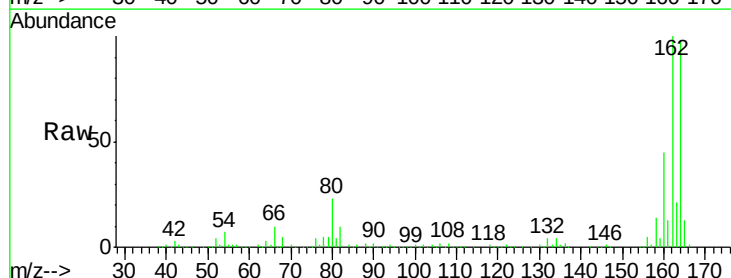
Tgt Ion: 164 Resp: 360859

Ion Ratio Lower Upper

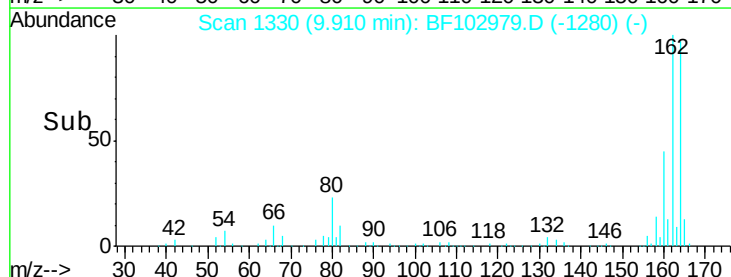
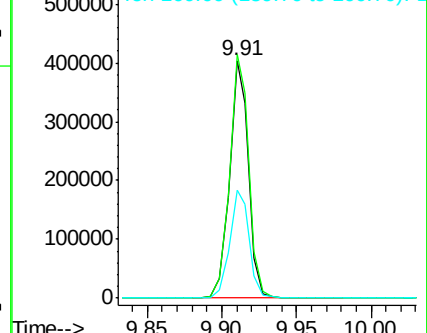
164 100

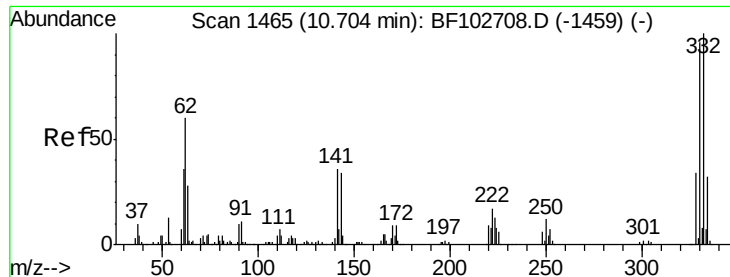
162 102.5 86.1 129.1

160 45.6 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

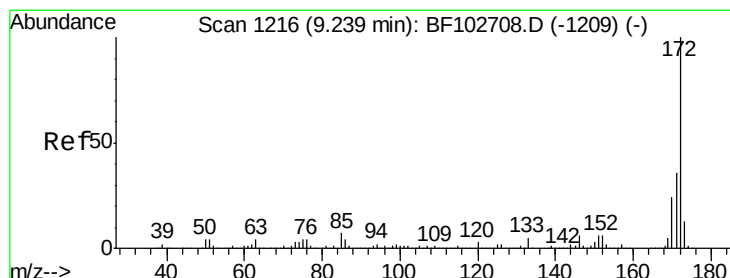
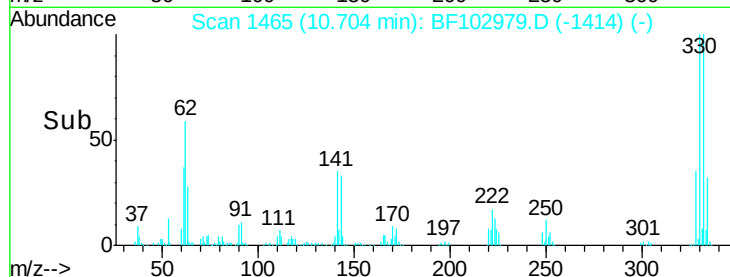
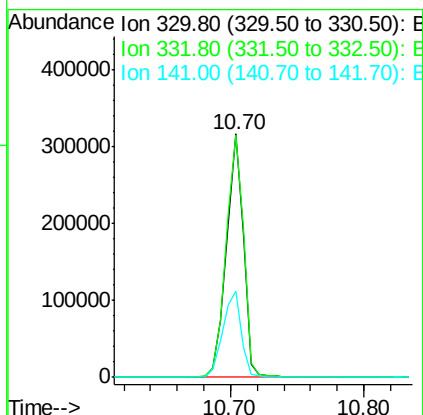
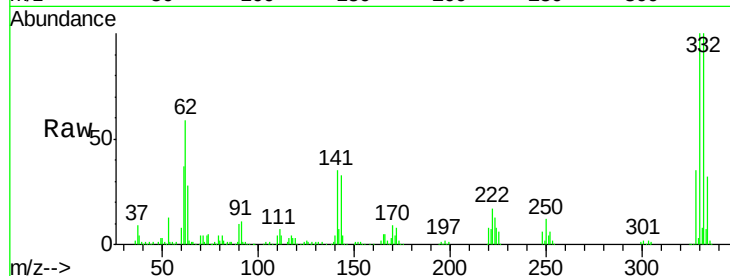




#41
 2,4,6-Tribromophenol
 Concen: 99.527 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF102979.D
 Acq: 14 Feb 2018 10:39

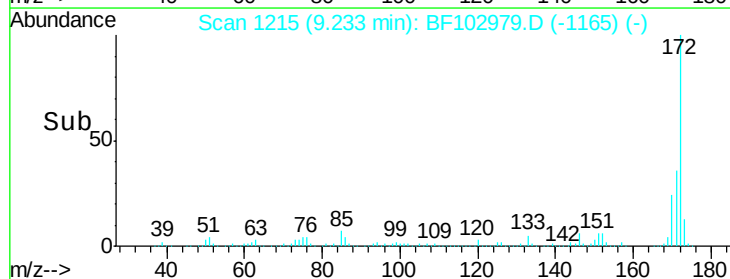
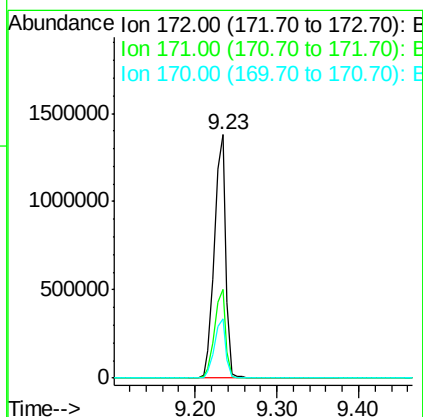
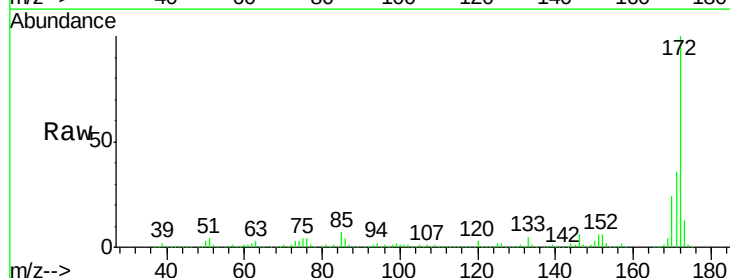
Instrument :
 BNA_F
 ClientSampleId :

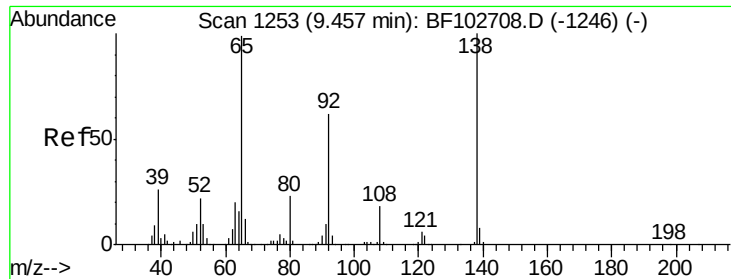
Tot Ion	Ratio	Lower	Upper
330	100		
332	102.8	77.0	115.6
141	38.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 61.791 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF102979.D
 Acq: 14 Feb 2018 10:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.2	19.6	29.4





#47

2-Nitroaniline

Concen: 3.573 ng

RT: 9.62 min Scan# 1280

Delta R.T. 0.16 min

Lab File: BF102979.D

Acq: 14 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

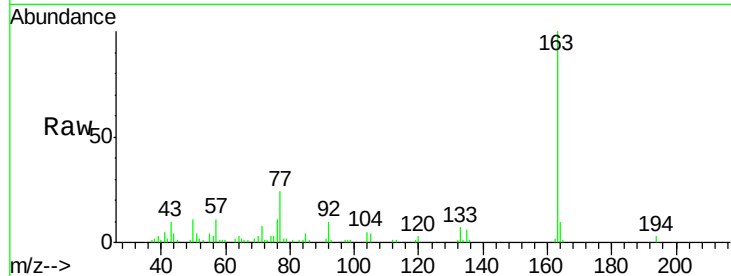
Tot Ion: 65 Resp: 799

Ion Ratio Lower Upper

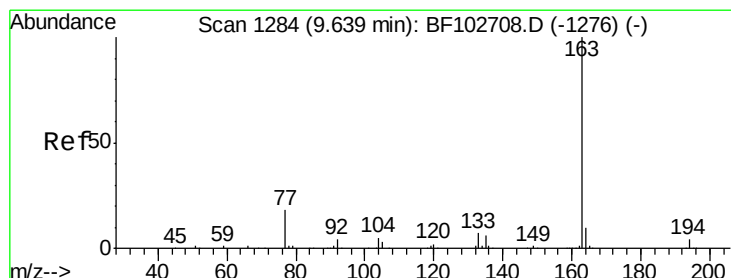
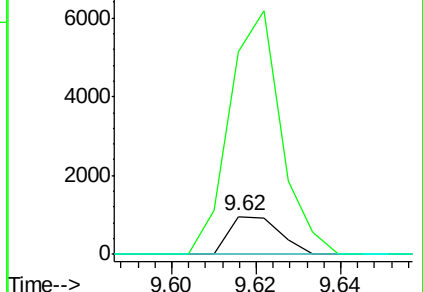
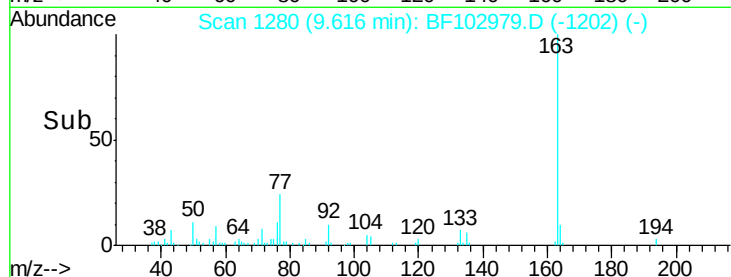
65 100

92 538.8 55.8 83.6#

138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 2.240 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF102979.D

Acq: 14 Feb 2018 10:39

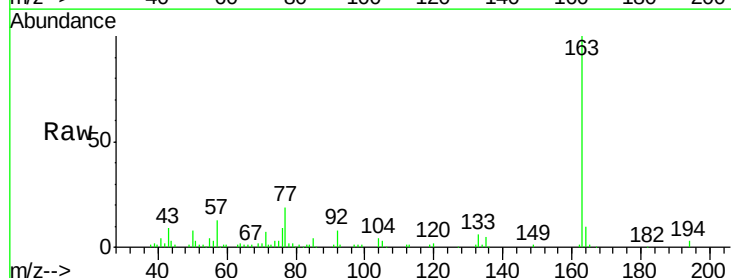
Tgt Ion: 163 Resp: 63024

Ion Ratio Lower Upper

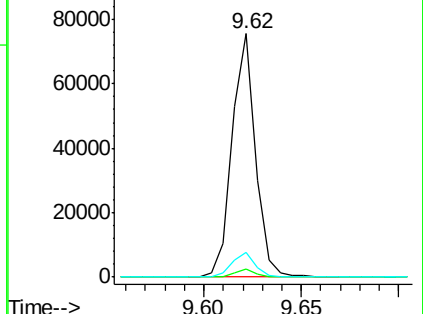
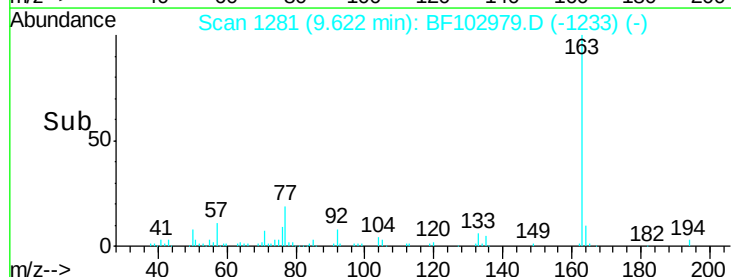
163 100

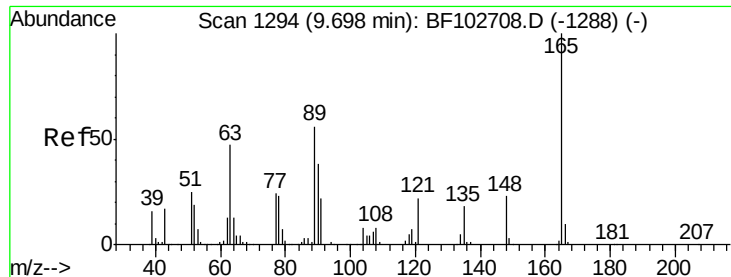
194 3.3 2.7 4.1

164 10.4 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

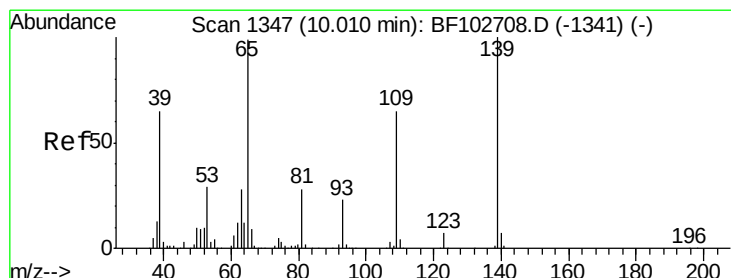
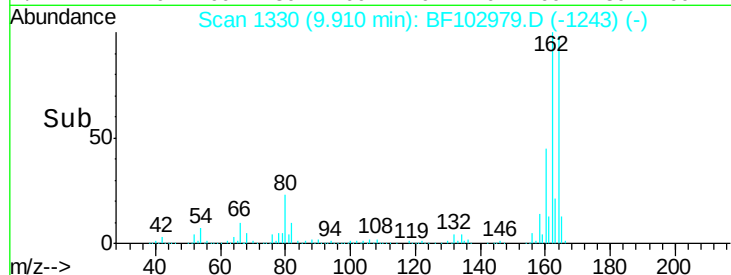
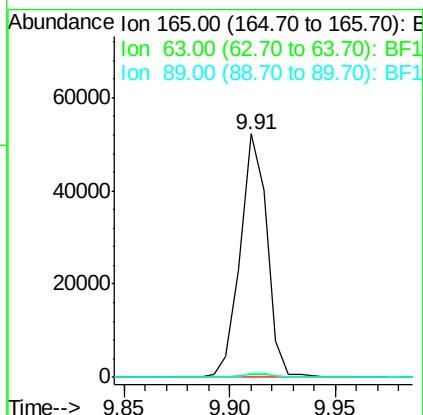
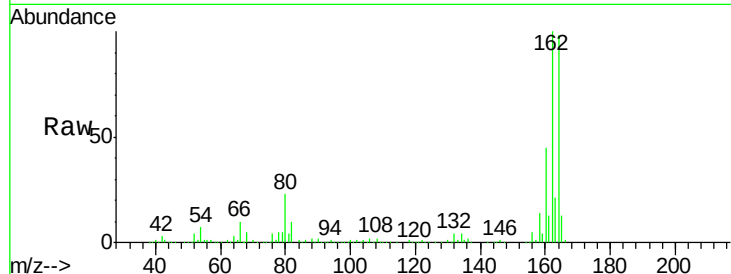




#50
 2,6-Dinitrotoluene
 Concen: 8.554 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF102979.D
 Acq: 14 Feb 2018 10:39

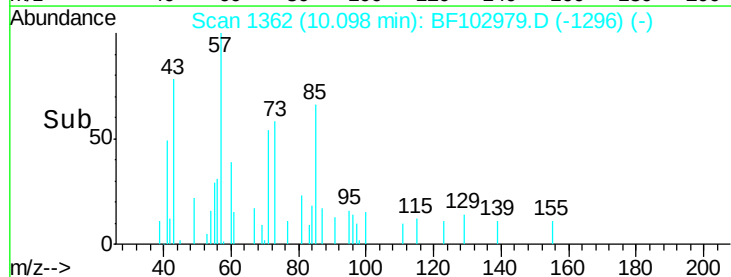
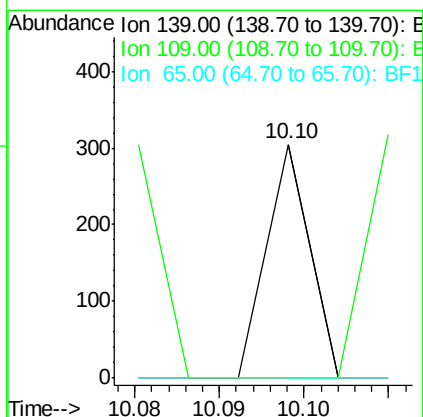
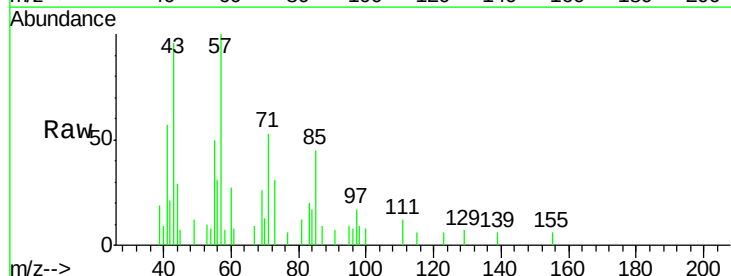
Instrument :
 BNA_F
 ClientSampleId :

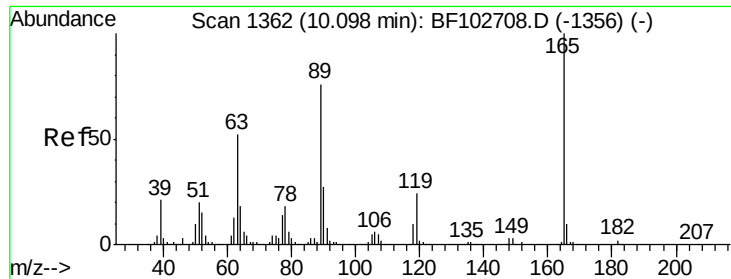
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.5	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 4.043 ng
 RT: 10.10 min Scan# 1362
 Delta R.T. 0.09 min
 Lab File: BF102979.D
 Acq: 14 Feb 2018 10:39

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

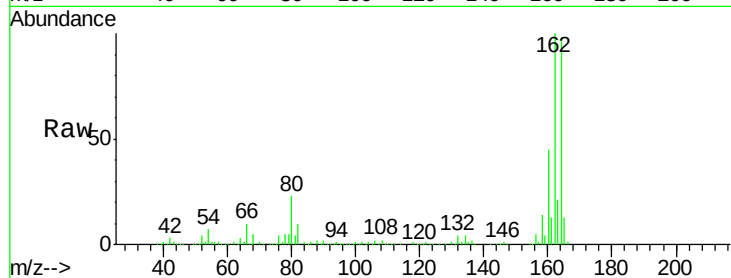




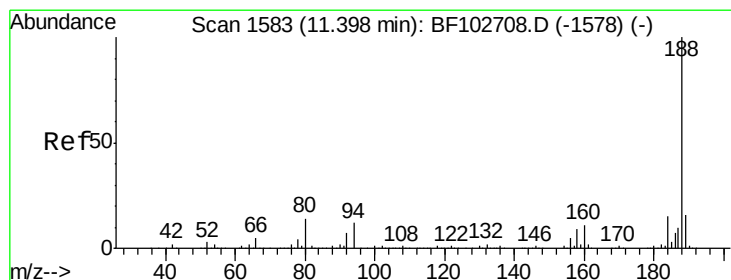
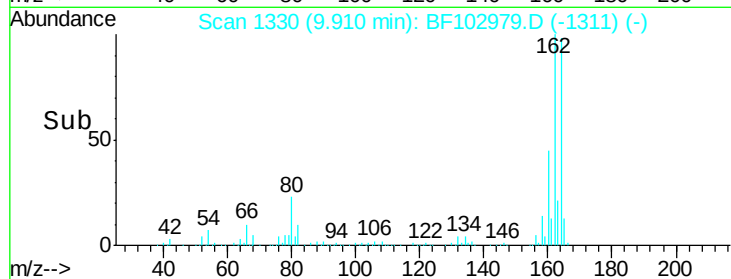
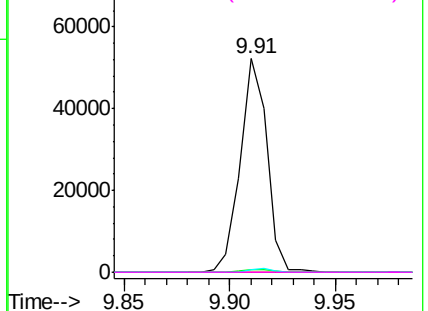
#56
 2,4-Dinitrotoluene
 Concen: 9.045 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.19 min
 Lab File: BF102979.D
 Acq: 14 Feb 2018 10:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 45792
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#

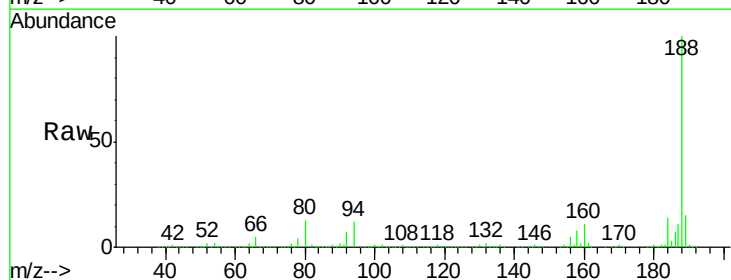


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

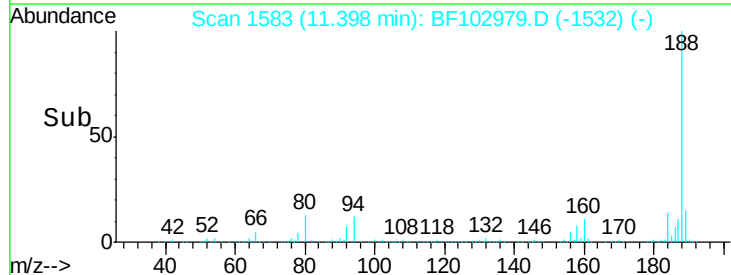
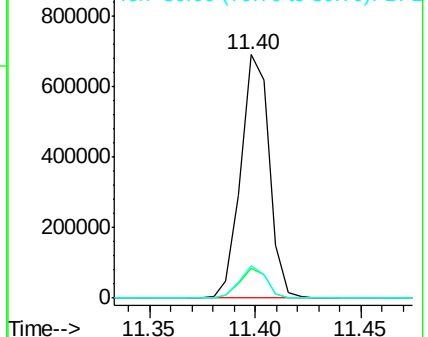


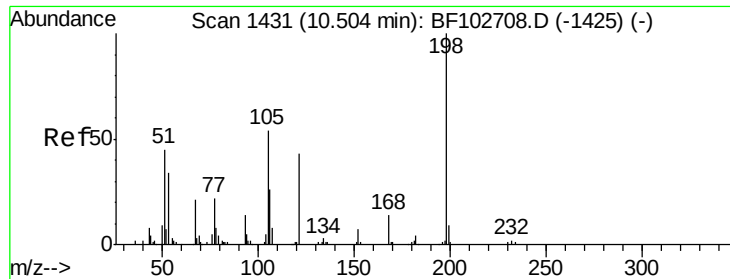
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BF102979.D
 Acq: 14 Feb 2018 10:39

Tgt Ion:188 Resp: 646708
 Ion Ratio Lower Upper
 188 100
 94 12.2 8.5 12.7
 80 13.5 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

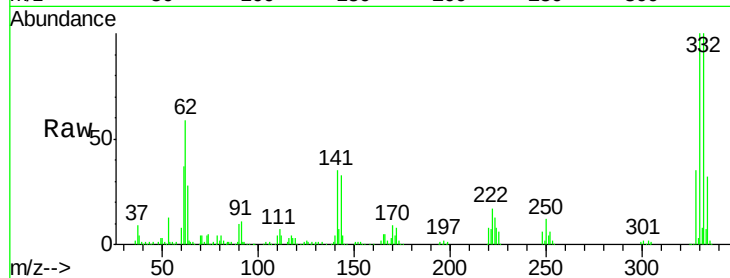




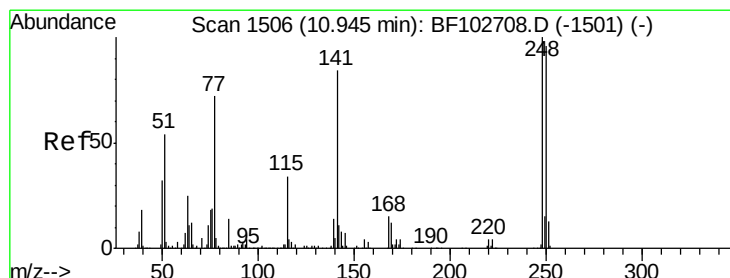
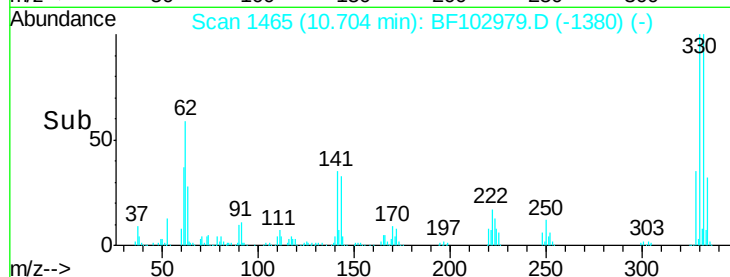
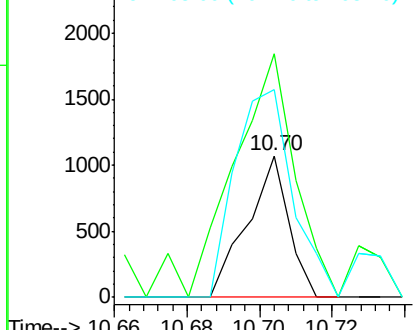
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.083 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.20 min
 Lab File: BF102979.D
 Acq: 14 Feb 2018 10:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 847
 Ion Ratio Lower Upper
 198 100
 51 172.1 37.7 77.7#
 105 146.9 36.3 76.3#

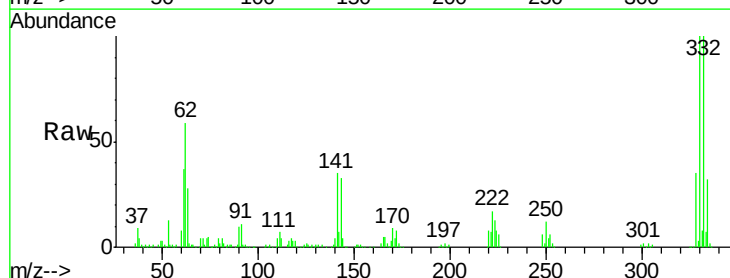


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

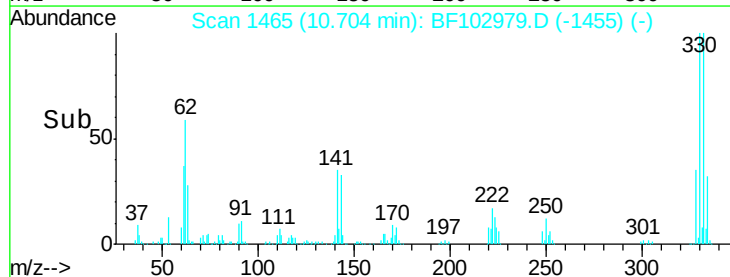
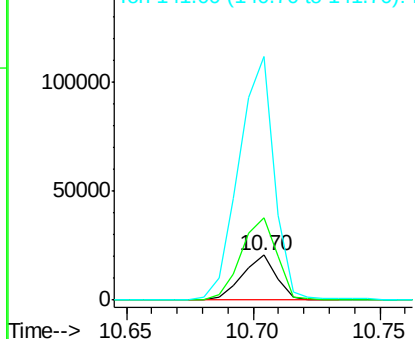


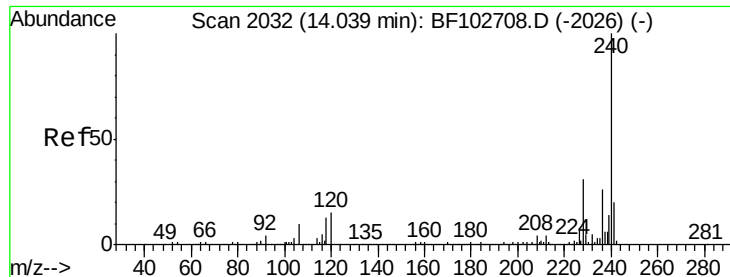
#66
 4-Bromophenyl-phenylether
 Concen: 2.788 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.24 min
 Lab File: BF102979.D
 Acq: 14 Feb 2018 10:39

Tgt Ion:248 Resp: 19072
 Ion Ratio Lower Upper
 248 100
 250 183.6 76.9 115.3#
 141 544.3 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: BF102979.D

Acq: 14 Feb 2018 10:39

Instrument :

BNA_F

ClientSampleId :

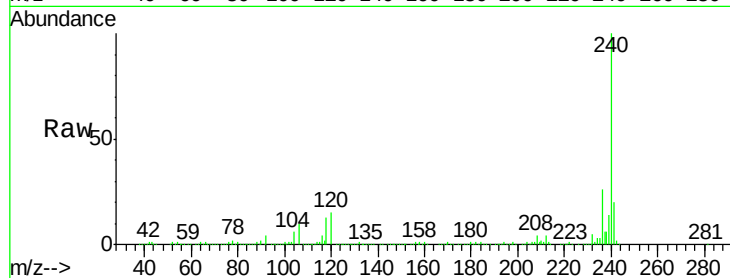
Tot Ion:240 Resp: 477958

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

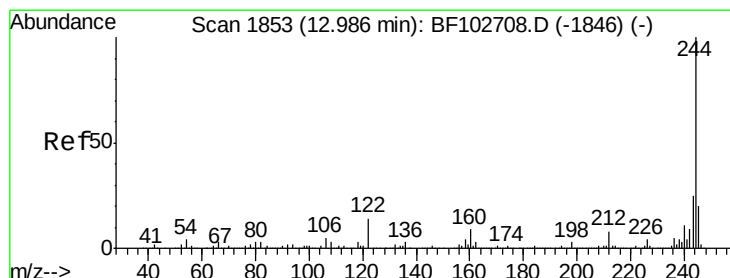
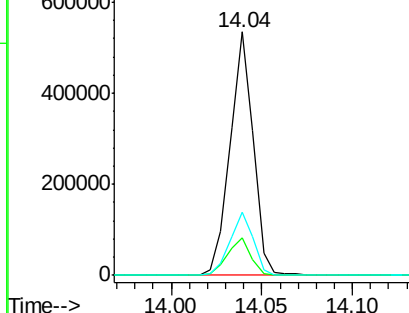
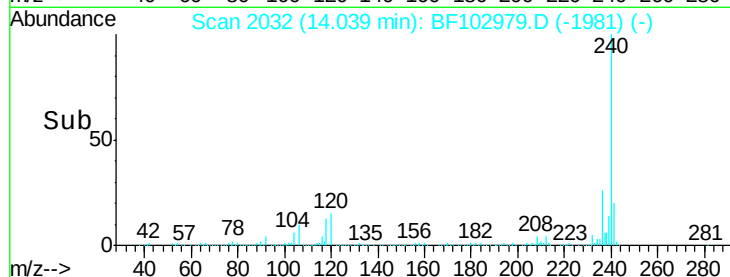
236 26.0 20.7 31.1



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: 66.662 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF102979.D

Acq: 14 Feb 2018 10:39

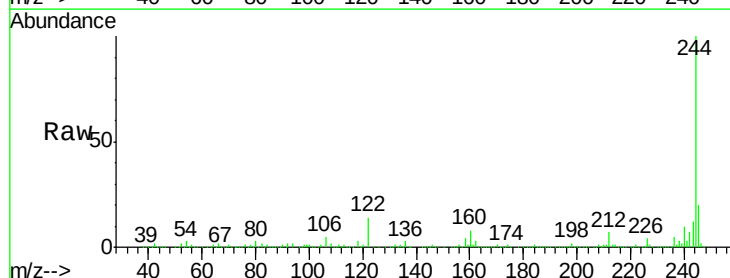
Tgt Ion:244 Resp: 1345633

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

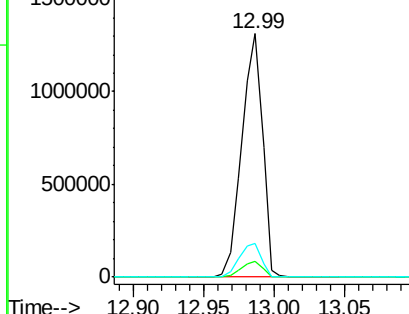
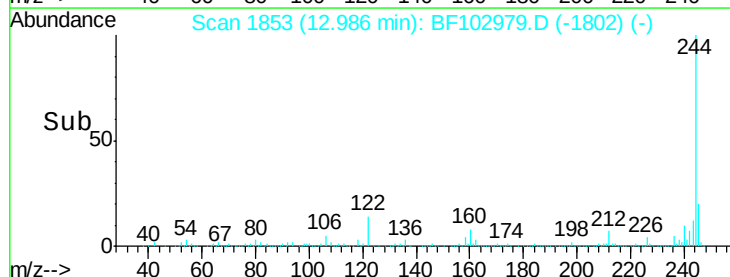
122 13.7 11.0 16.4

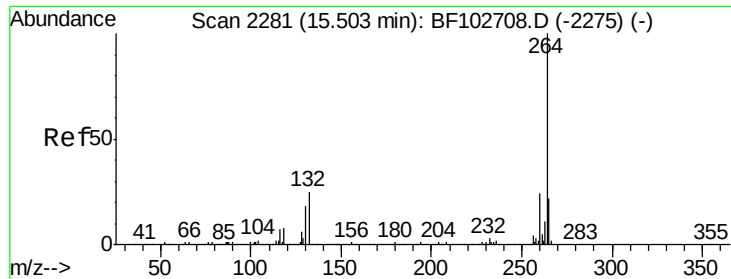


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF102979.D
Acq: 14 Feb 2018 10:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.3	17.5	26.3

