

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103073.D
 Acq On : 19 Feb 2018 11:13
 Operator : SJ/JU
 Sample : J1399-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 19 16:12:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	173365	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	734183	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	336662	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	587139	20.00	ng	0.00
75) Chrysene-d12	14.05	240	439503	20.00	ng	0.00
86) Perylene-d12	15.54	264	346273	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1267877	111.07	ng	0.02
7) Phenol-d6	6.52	99	1382218	100.56	ng	0.00
23) Nitrobenzene-d5	7.45	82	1075960	101.66	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	390697	144.18	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1742493	85.88	ng	0.00
78) Terphenyl-d14	12.99	244	1659338	89.40	ng	0.00

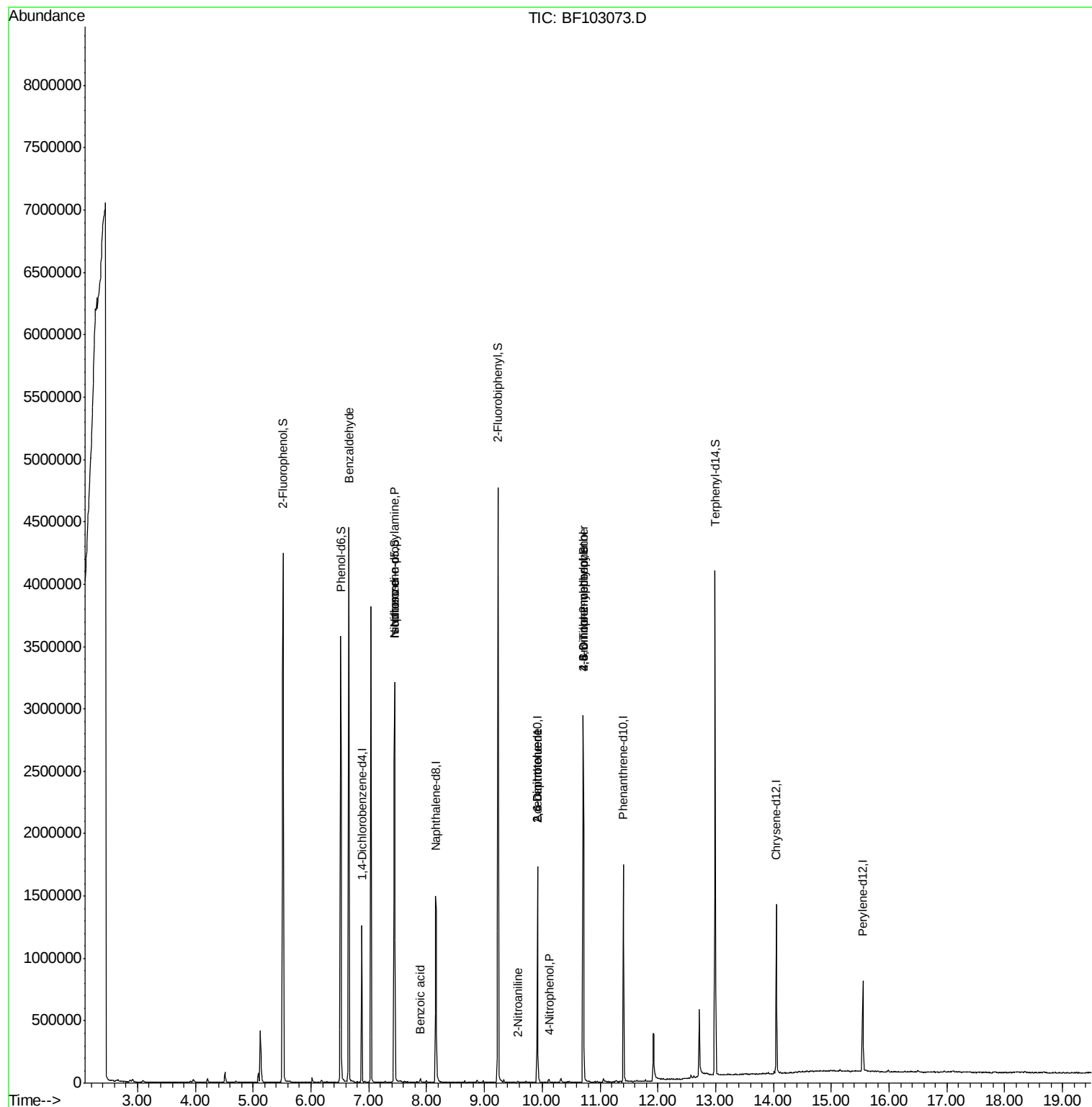
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	28712	2.813	ng	81
19) n-Nitroso-di-n-propylamine	7.45	70	143006	15.780	ng	# 79
25) Isophorone	7.45	82	1075952	44.150	ng	# 64
32) Benzoic acid	7.89	122	3317	8.984	ng	# 88
47) 2-Nitroaniline	9.57	65	121	3.489	ng	# 2
50) 2,6-Dinitrotoluene	9.92	165	43408	8.692	ng	# 26
55) 4-Nitrophenol	10.12	139	1180	4.246	ng	# 22
56) 2,4-Dinitrotoluene	9.92	165	43408	9.141	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	771	9.084	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	24631	3.966	ng	# 1

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

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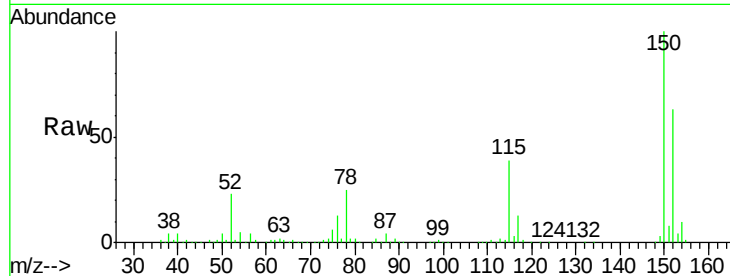


#1

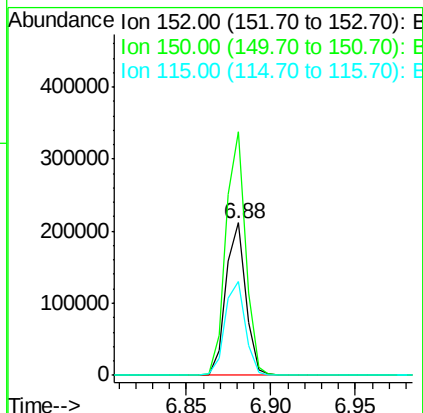
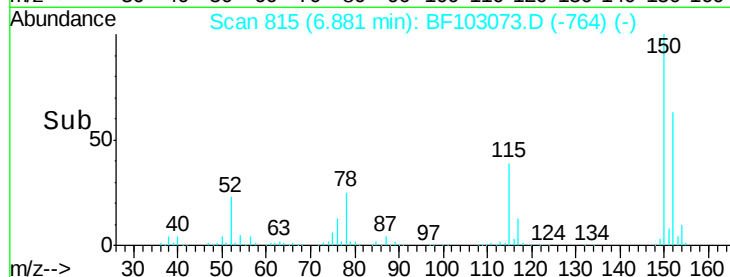
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF103073.D
Acq: 19 Feb 2018 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 173365
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 62.0 50.1 75.1



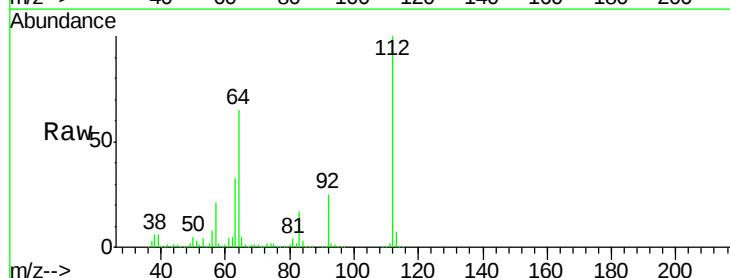
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



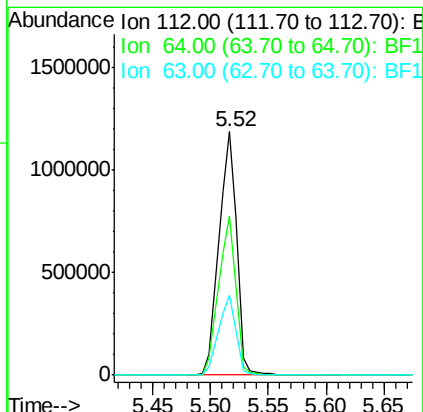
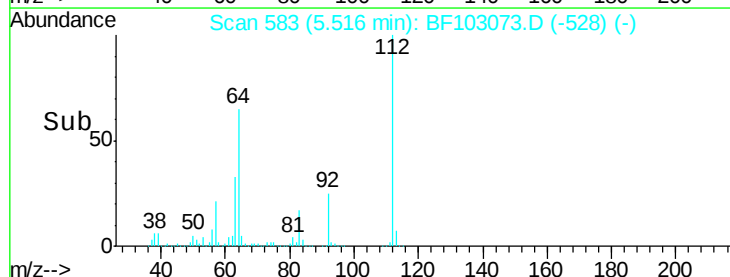
#5

2-Fluorophenol
Concen: 111.065 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF103073.D
Acq: 19 Feb 2018 11:13

Tgt Ion:112 Resp: 1267877
Ion Ratio Lower Upper
112 100
64 65.3 47.9 71.9
63 33.0 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: 100.560 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103073.D

Acq: 19 Feb 2018 11:13

Instrument :

BNA_F

ClientSampleId :

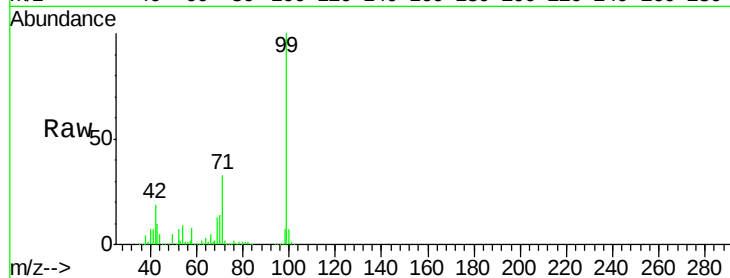
Tot Ion: 99 Resp: 1382218

Ion Ratio Lower Upper

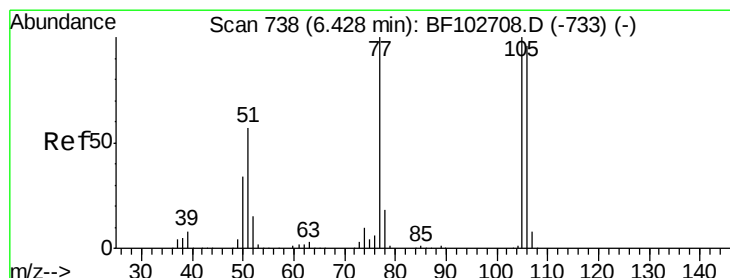
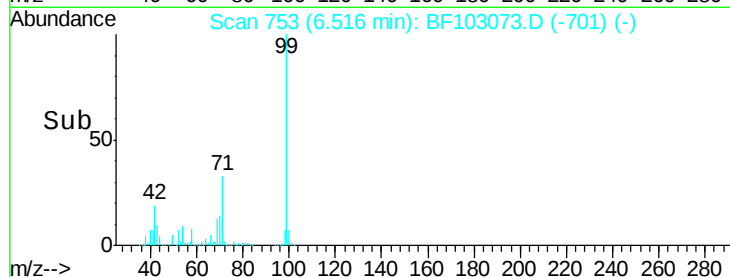
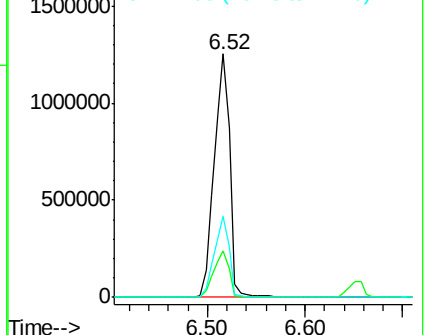
99 100

42 19.0 14.5 21.7

71 33.3 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



#9

Benzaldehyde

Concen: 2.813 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF103073.D

Acq: 19 Feb 2018 11:13

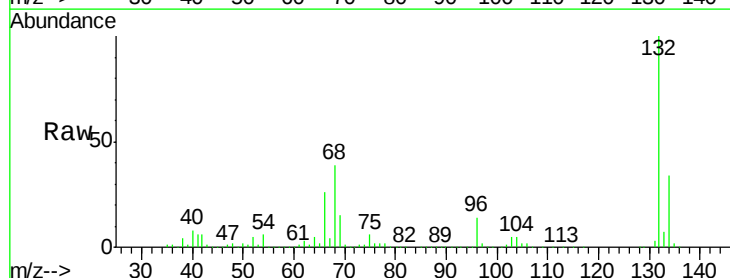
Tgt Ion: 77 Resp: 28712

Ion Ratio Lower Upper

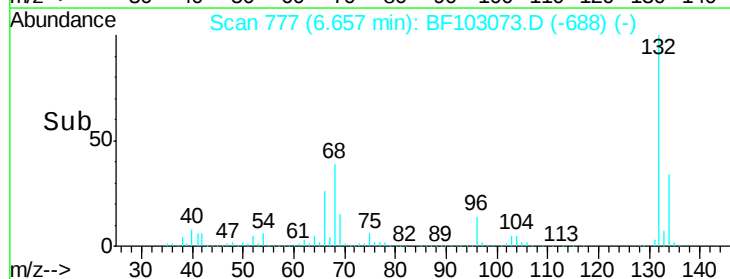
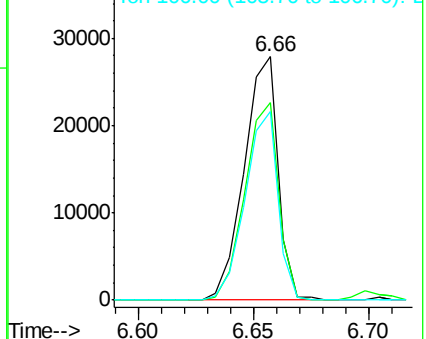
77 100

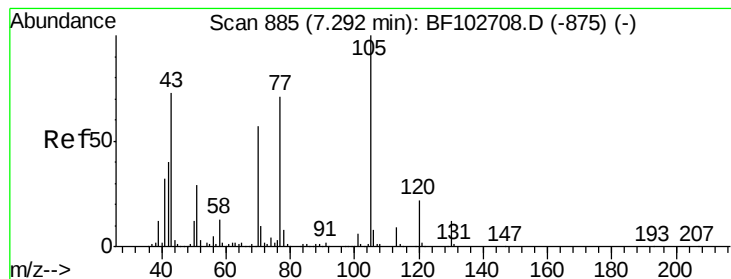
105 81.4 81.1 121.1

106 77.6 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 15.780 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103073.D

Acq: 19 Feb 2018 11:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 143006

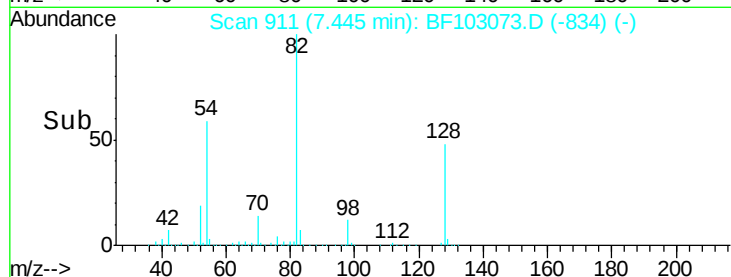
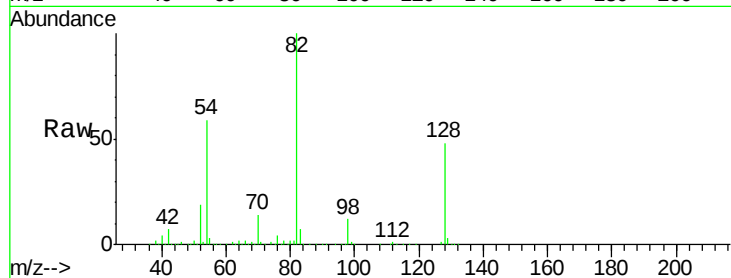
Ion Ratio Lower Upper

70 100

42 49.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

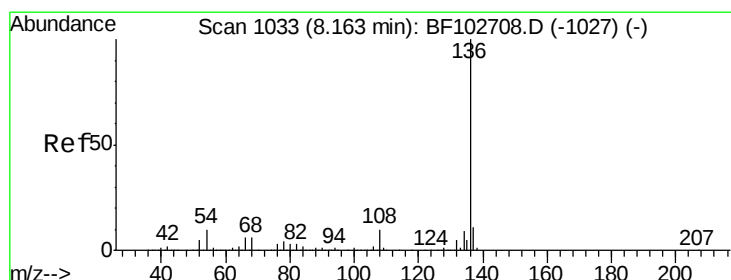
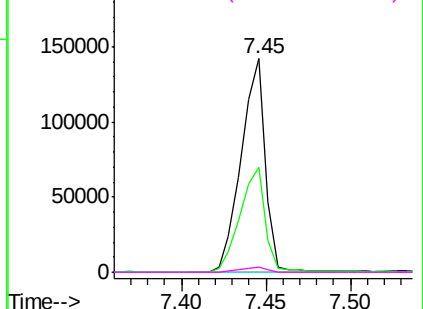


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103073.D

Acq: 19 Feb 2018 11:13

Tgt Ion: 136 Resp: 734183

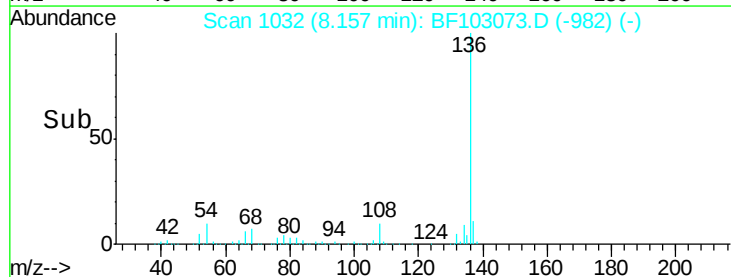
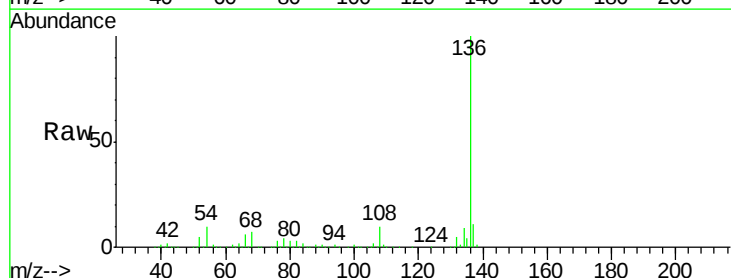
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 10.4 6.6 9.8#

68 7.0 5.0 7.4

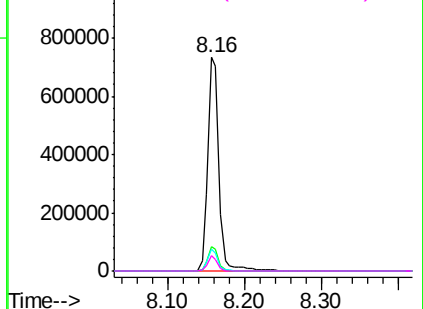


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

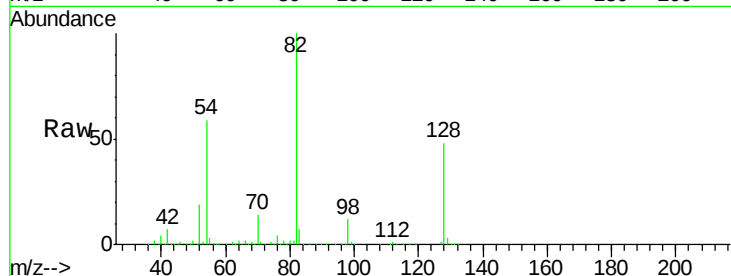




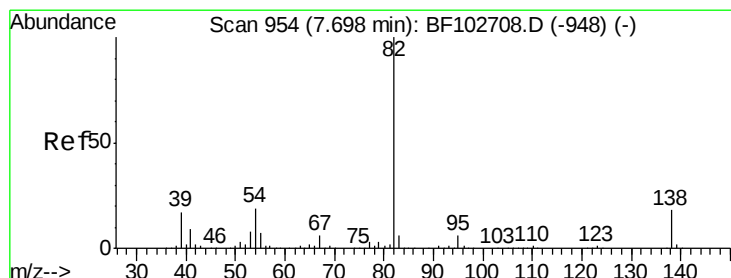
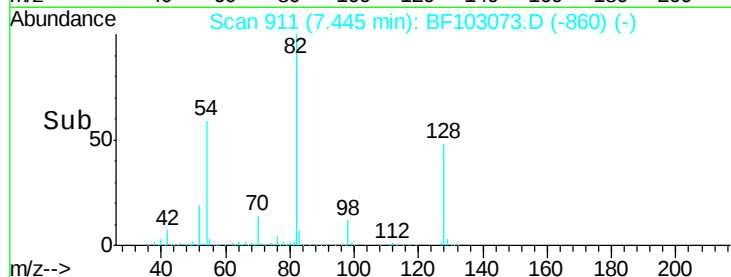
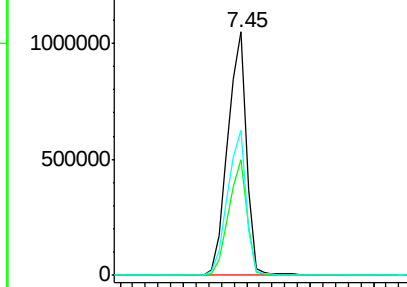
#23
Nitrobenzene-d5
Concen: 101.664 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF103073.D
Acq: 19 Feb 2018 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1075960
Ion Ratio Lower Upper
82 100
128 47.5 36.1 54.1
54 59.3 41.4 62.2

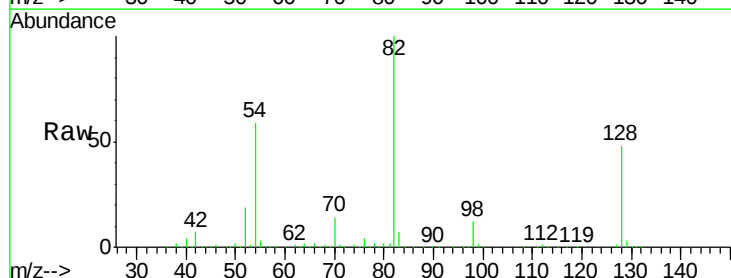


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

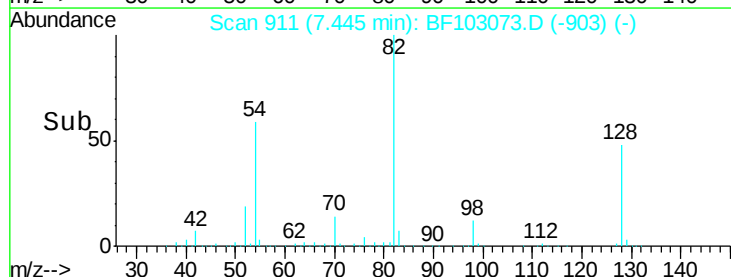
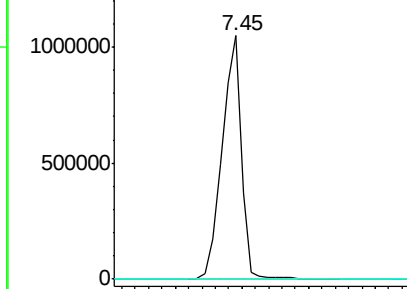


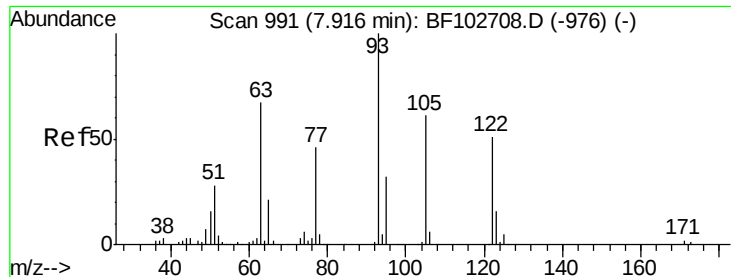
#25
Isophorone
Concen: 44.150 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.25 min
Lab File: BF103073.D
Acq: 19 Feb 2018 11:13

Tgt Ion: 82 Resp: 1075952
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





#32

Benzoic acid

Concen: 8.984 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.06 min

Lab File: BF103073.D

Acq: 19 Feb 2018 11:13

Instrument :

BNA_F

ClientSampleId :

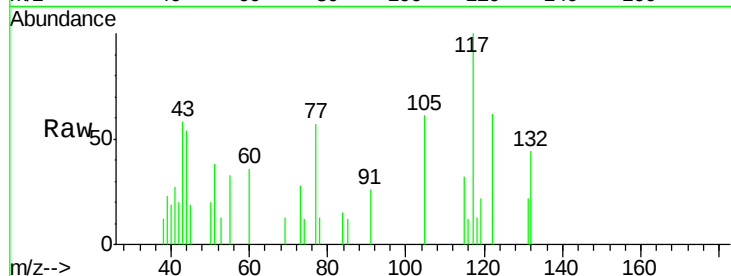
Tot Ion:122 Resp: 3317

Ion Ratio Lower Upper

122 100

105 97.9 101.1 141.1#

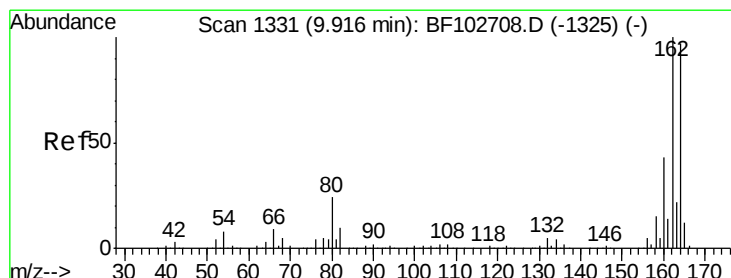
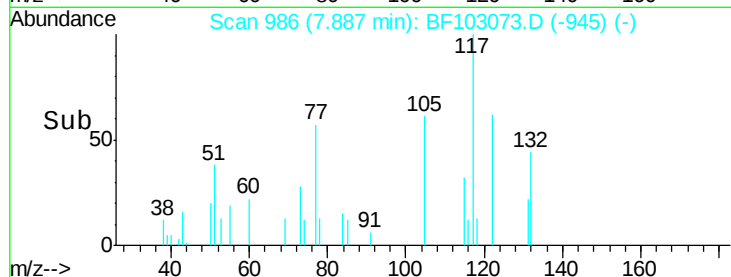
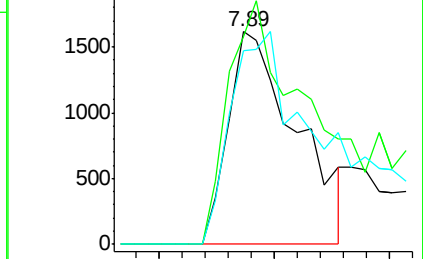
77 90.9 70.7 110.7



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: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103073.D

Acq: 19 Feb 2018 11:13

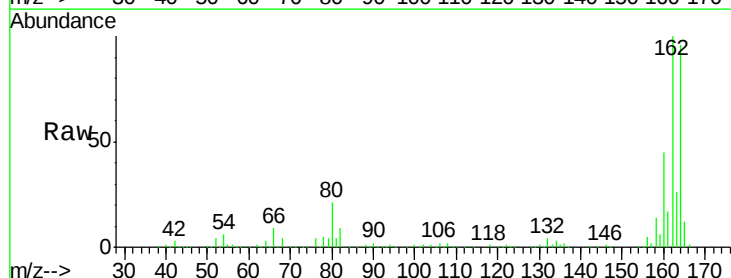
Tgt Ion:164 Resp: 336662

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

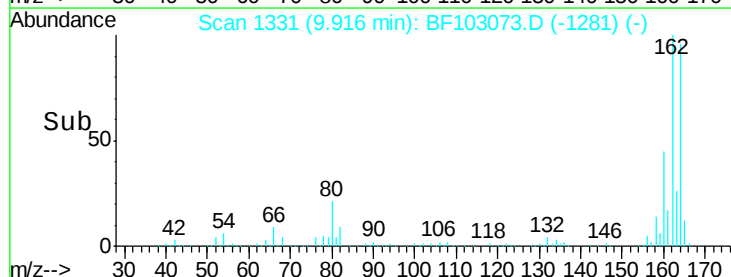
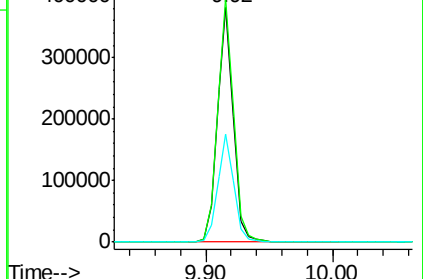
160 46.3 38.3 57.5

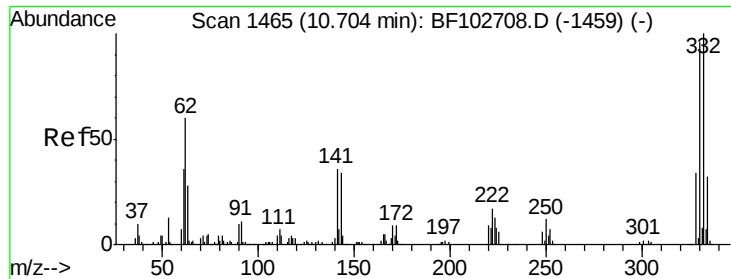


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

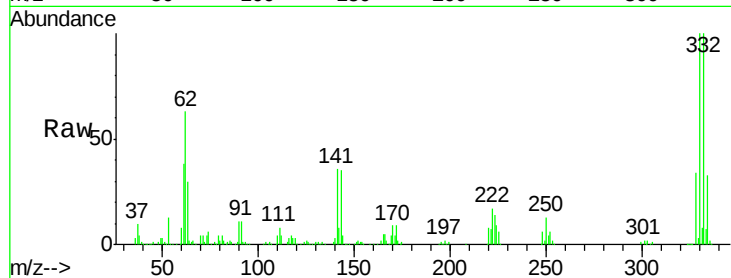




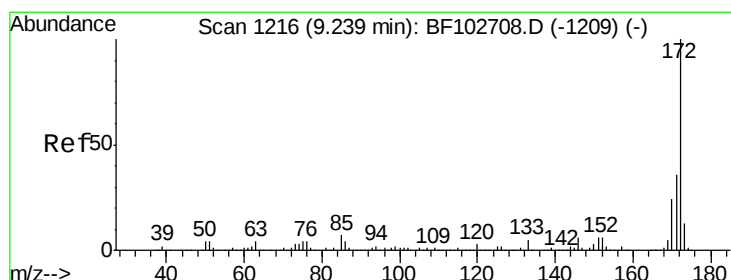
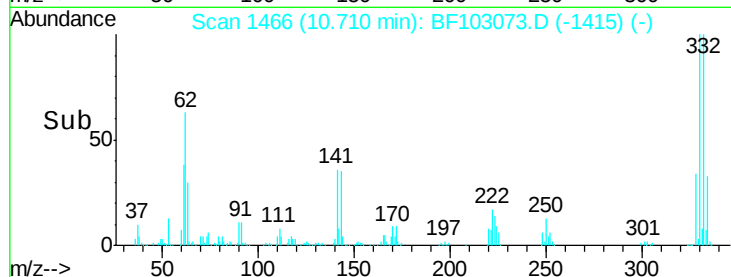
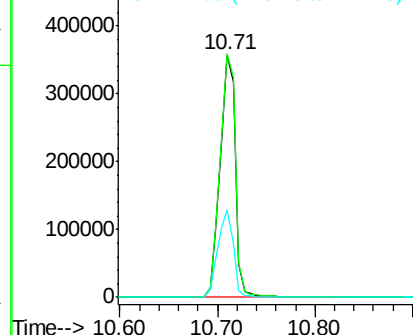
#41
 2,4,6-Tribromophenol
 Concen: 144.183 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103073.D
 Acq: 19 Feb 2018 11:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.8	77.0	115.6
141	36.2	29.9	44.9

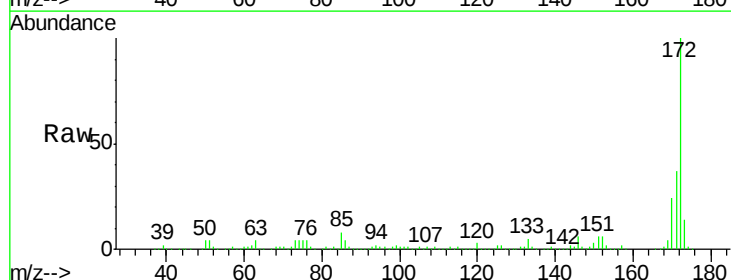


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

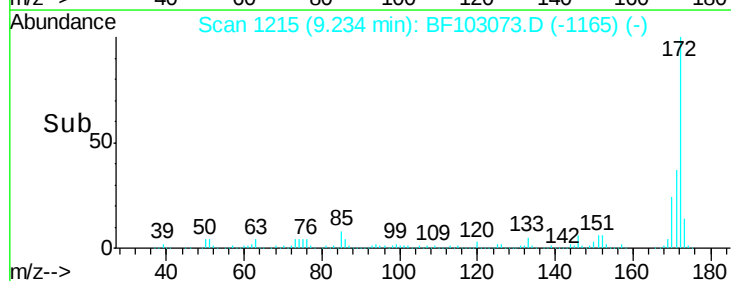
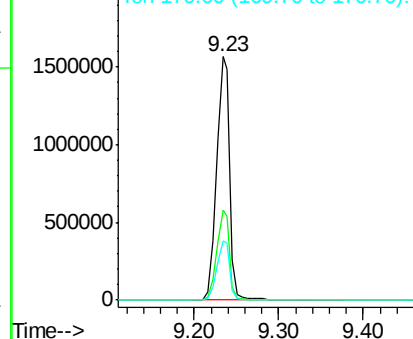


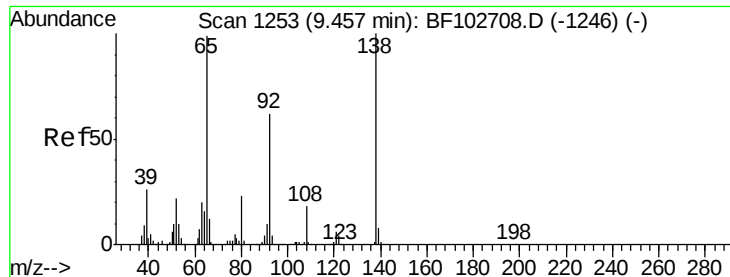
#44
 2-Fluorobiphenyl
 Concen: 85.885 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103073.D
 Acq: 19 Feb 2018 11:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.2	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

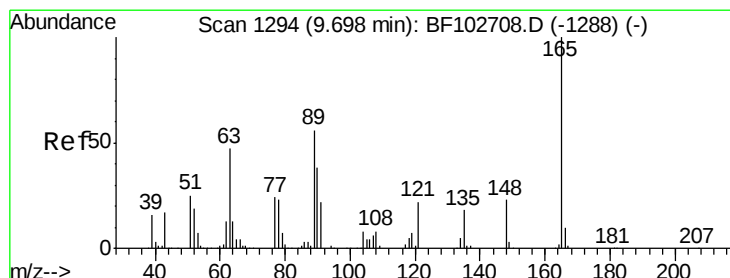
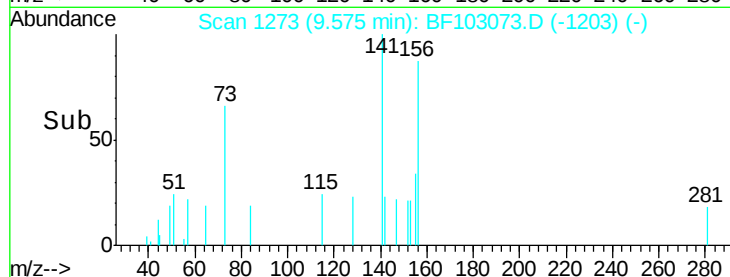
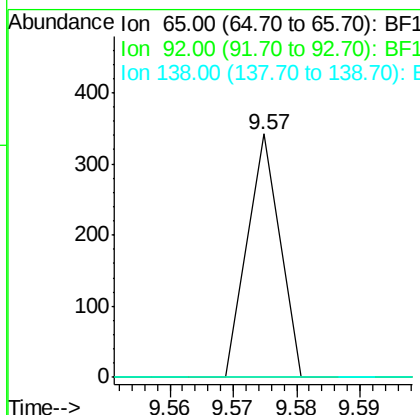
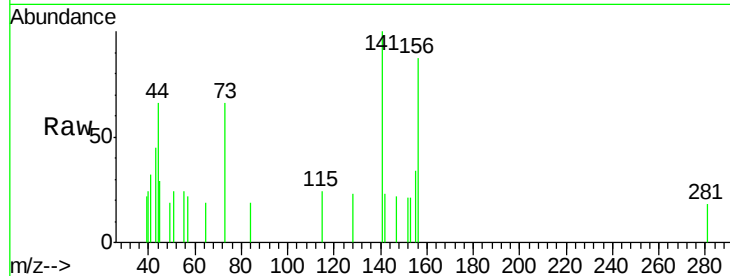




#47
2-Nitroaniline
Concen: 3.489 ng
RT: 9.57 min Scan# 1273
Delta R.T. 0.11 min
Lab File: BF103073.D
Acq: 19 Feb 2018 11:13

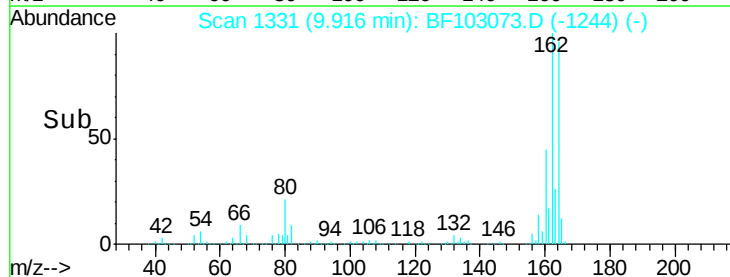
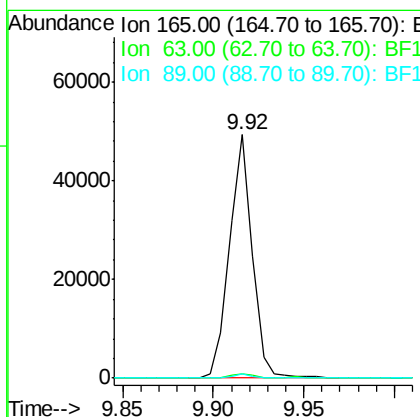
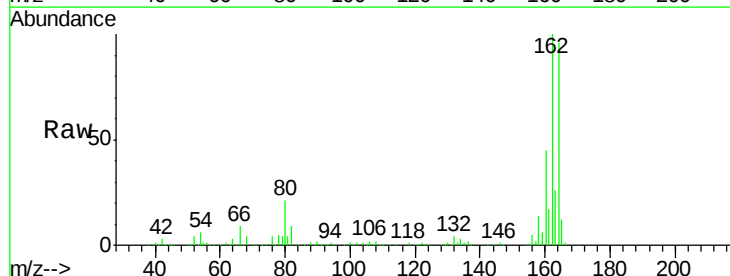
Instrument :
BNA_F
ClientSampleId :

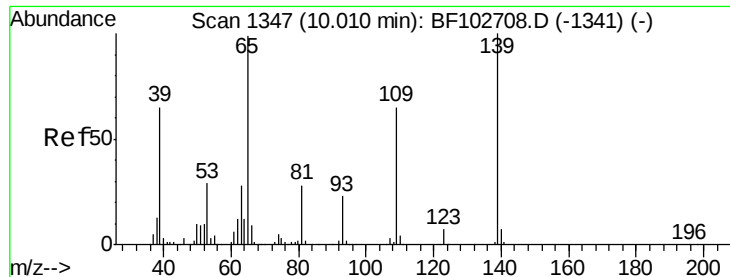
Tot Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#



#50
2,6-Dinitrotoluene
Concen: 8.692 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF103073.D
Acq: 19 Feb 2018 11:13

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

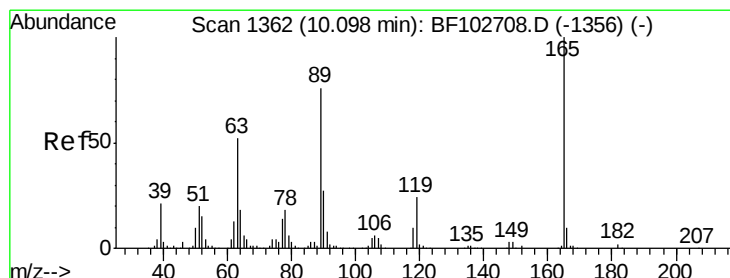
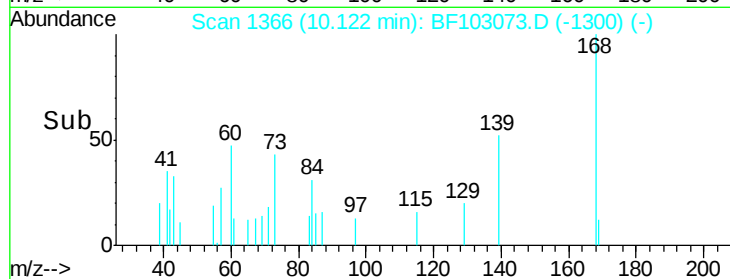
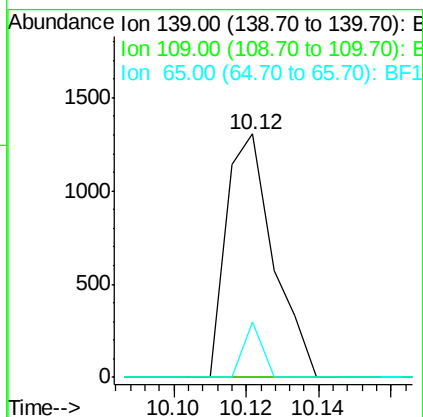
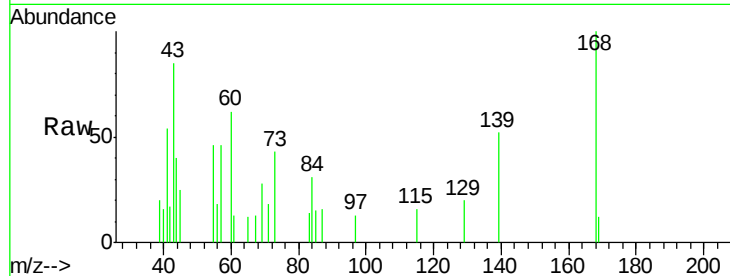




#55
4-Nitrophenol
Concen: 4.246 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.09 min
Lab File: BF103073.D
Acq: 19 Feb 2018 11:13

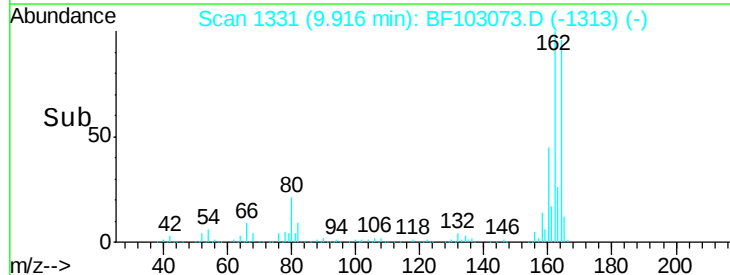
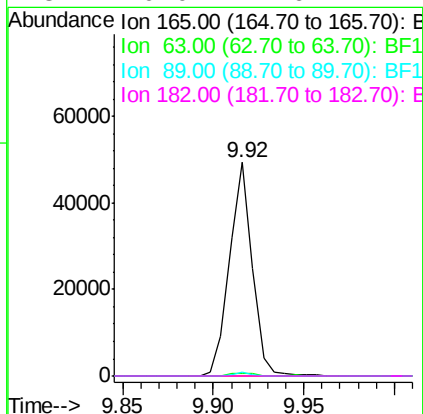
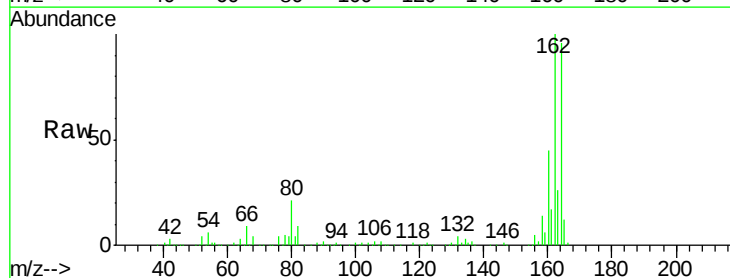
Instrument :
BNA_F
ClientSampleId :

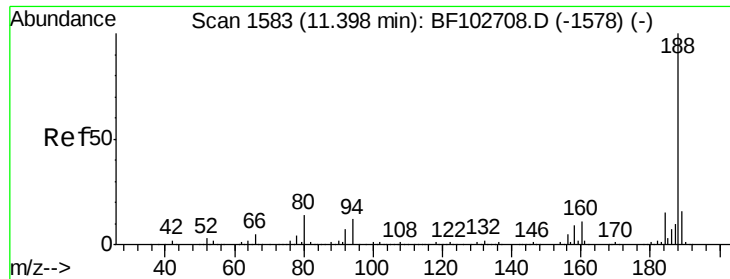
Tot Ion:139 Resp: 1180
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 23.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.141 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103073.D
Acq: 19 Feb 2018 11:13

Tgt Ion:165 Resp: 43408
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#

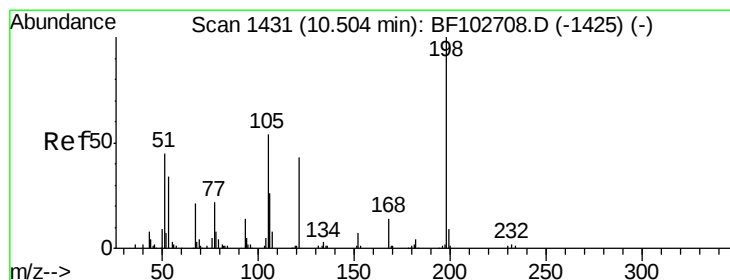
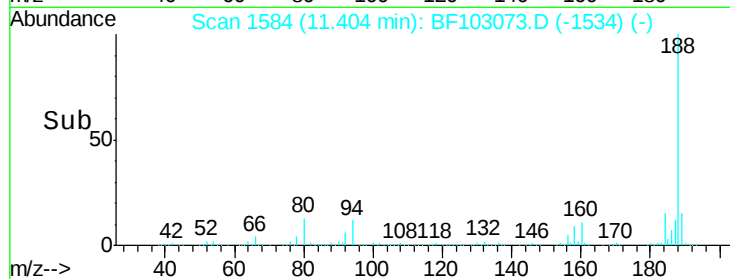
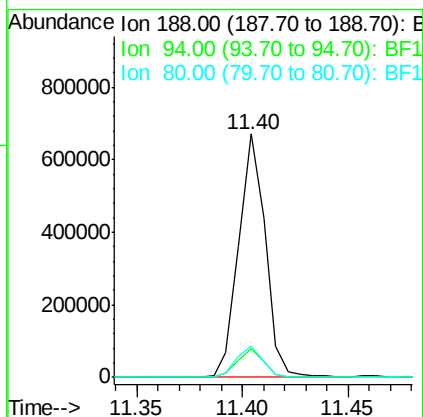
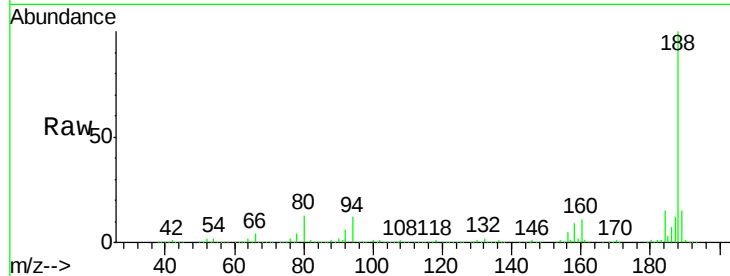




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103073.D
Acq: 19 Feb 2018 11:13

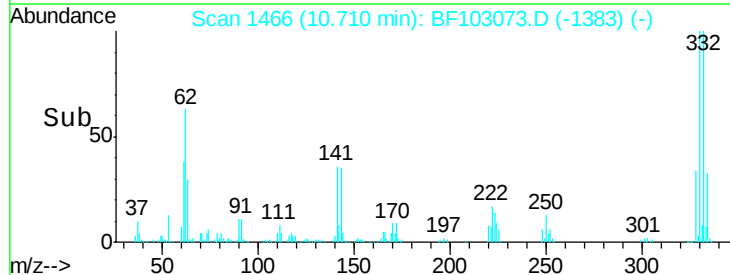
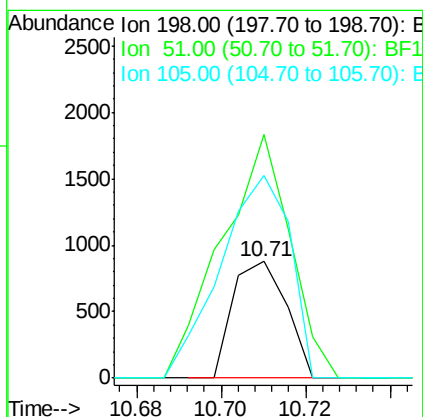
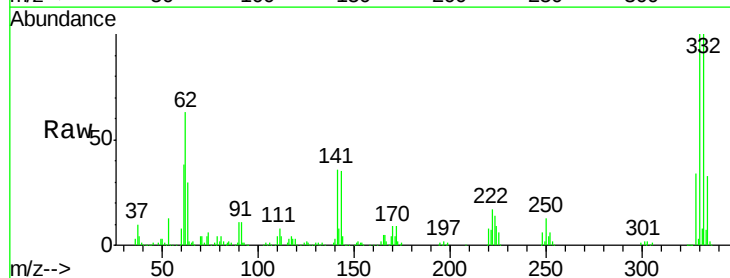
Instrument :
BNA_F
ClientSampled :

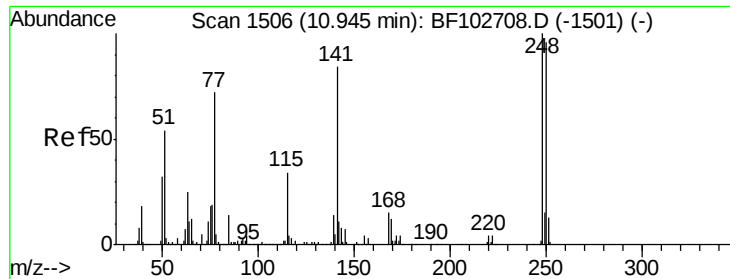
Tot Ion:188 Resp: 587139
Ion Ratio Lower Upper
188 100
94 11.8 8.5 12.7
80 13.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.084 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF103073.D
Acq: 19 Feb 2018 11:13

Tgt Ion:198 Resp: 771
Ion Ratio Lower Upper
198 100
51 208.4 37.7 77.7#
105 173.6 36.3 76.3#

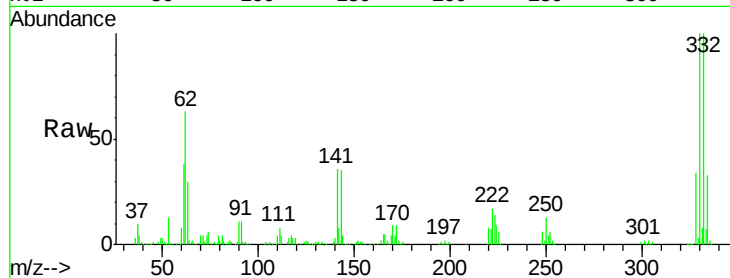




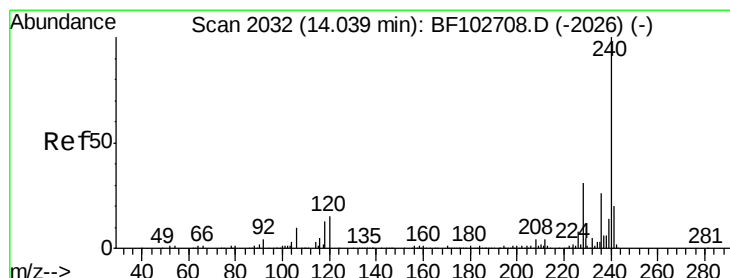
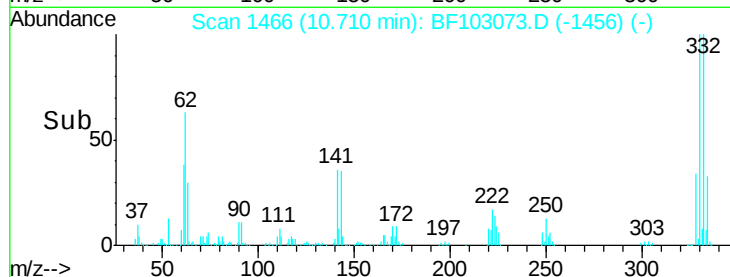
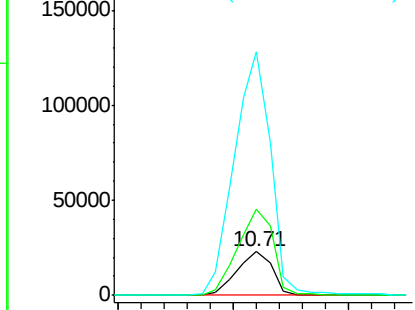
#66
4-Bromophenyl-phenylether
Concen: 3.966 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103073.D
Acq: 19 Feb 2018 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 24631
Ion Ratio Lower Upper
248 100
250 197.4 76.9 115.3#
141 557.3 74.4 111.6#

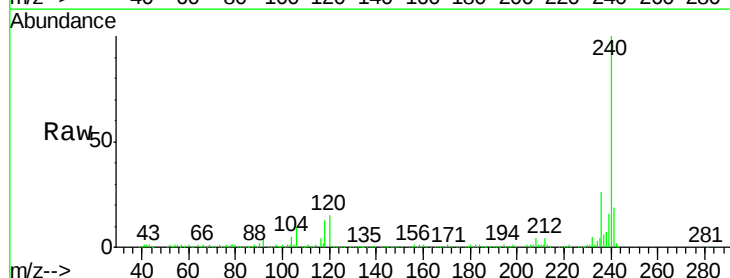


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

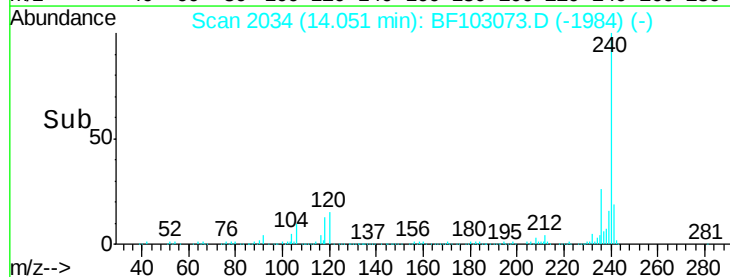
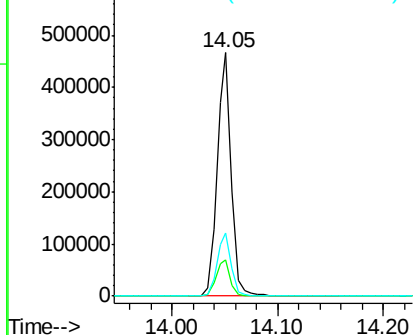


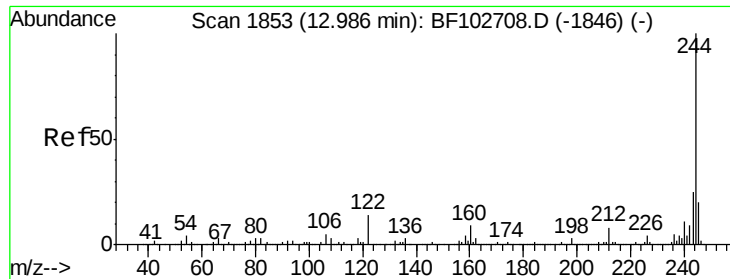
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103073.D
Acq: 19 Feb 2018 11:13

Tgt Ion:240 Resp: 439503
Ion Ratio Lower Upper
240 100
120 14.9 9.5 14.3#
236 26.1 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: 89.395 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103073.D

Acq: 19 Feb 2018 11:13

Instrument :

BNA_F

ClientSampleId :

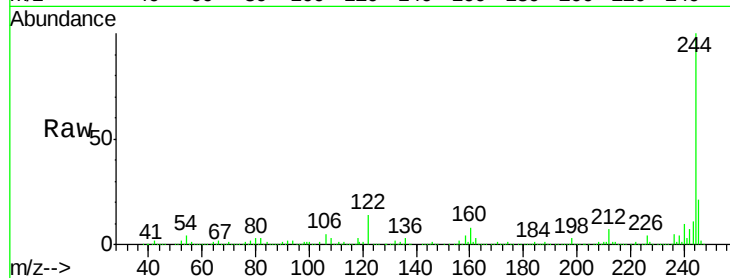
Tot Ion:244 Resp: 1659338

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

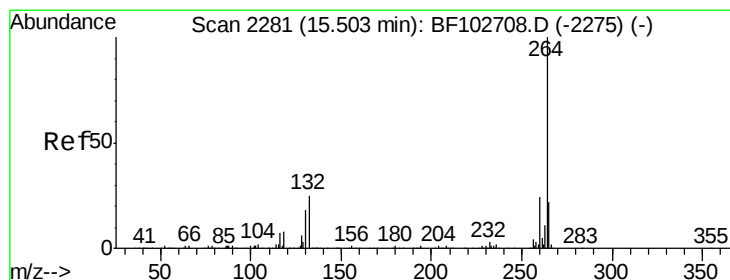
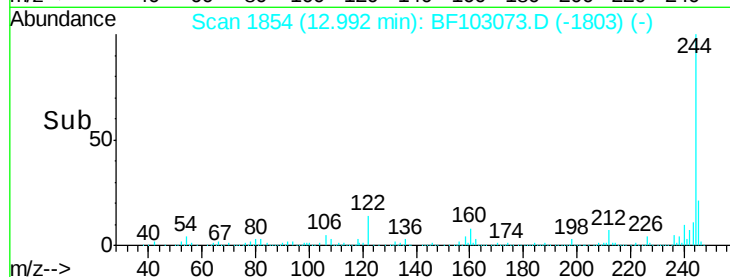
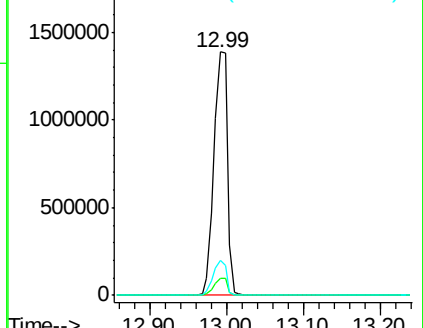
122 14.4 11.0 16.4



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: 15.54 min Scan# 2288

Delta R.T. 0.00 min

Lab File: BF103073.D

Acq: 19 Feb 2018 11:13

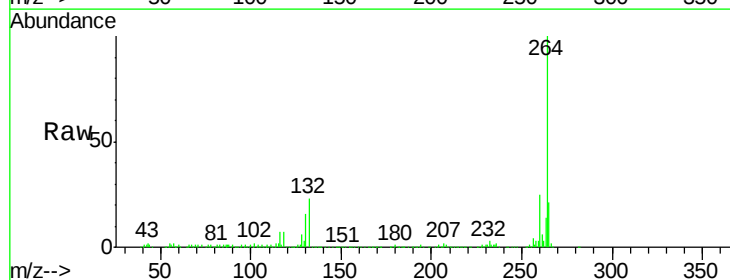
Tgt Ion:264 Resp: 346273

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 20.8 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

