

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
 Data File : BF103132.D
 Acq On : 21 Feb 2018 13:24
 Operator : SJ/JU
 Sample : J1404-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-022018

Quant Time: Feb 21 15:20:19 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

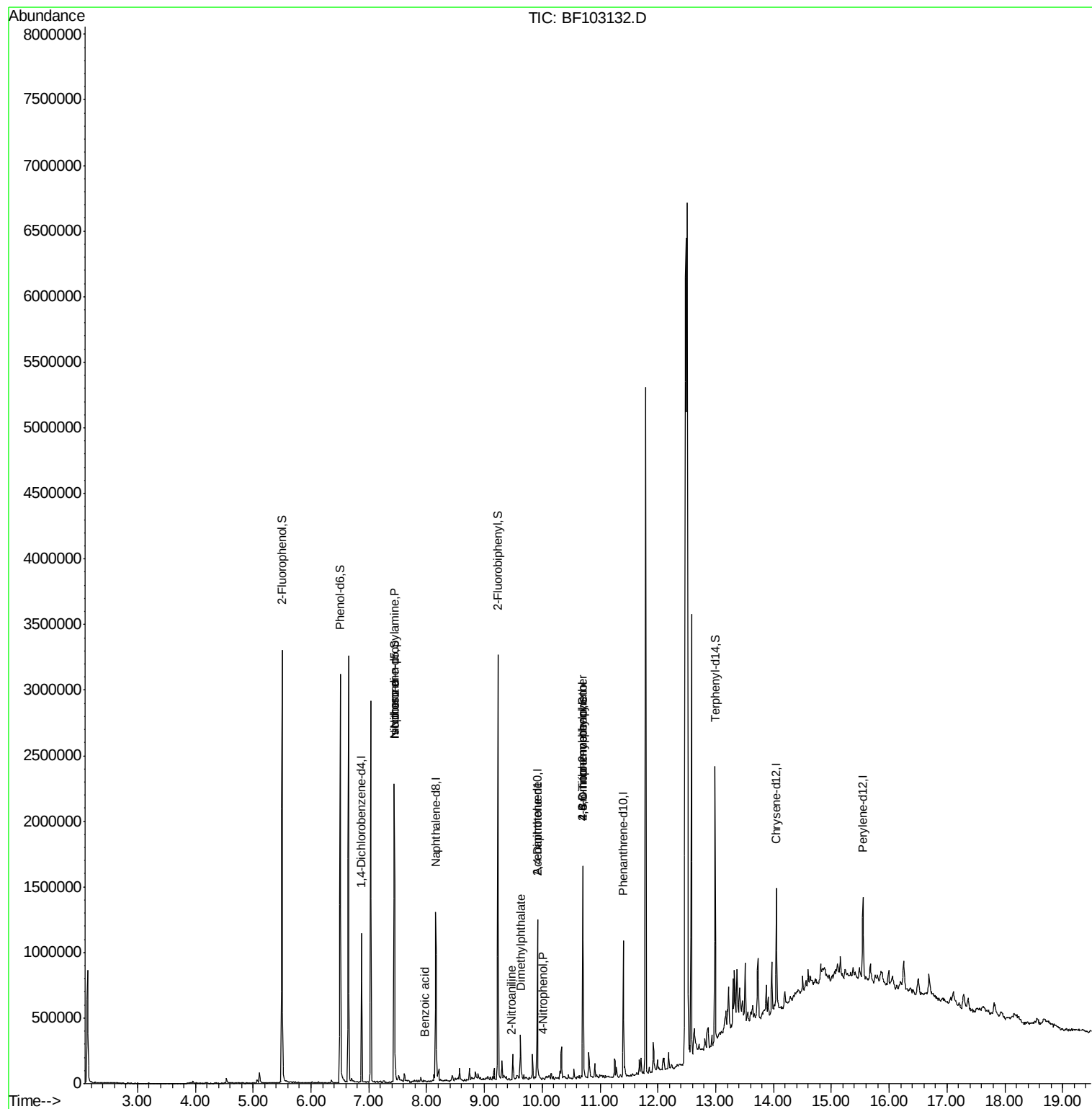
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	150259	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	597046	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	229726	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	345207	20.00	ng	0.00
75) Chrysene-d12	14.05	240	294546	20.00	ng	0.00
86) Perylene-d12	15.54	264	261473	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	979286	98.98	ng	0.00
7) Phenol-d6	6.51	99	1137205	95.46	ng	0.00
23) Nitrobenzene-d5	7.44	82	736810	85.61	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	177273	95.87	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1029607	74.37	ng	0.00
78) Terphenyl-d14	12.99	244	735422	59.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	96800	12.324	ng	# 80
25) Isophorone	7.44	82	736806	37.178	ng	# 64
32) Benzoic acid	7.96	122	119	8.562	ng	# 1
47) 2-Nitroaniline	9.47	65	275	3.526	ng	# 2
49) Dimethylphthalate	9.62	163	83154	4.642	ng	99
55) 4-Nitrophenol	10.00	139	130	4.060	ng	# 6
56) 2,4-Dinitrotoluene	9.92	165	31014	9.427	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	436	9.073	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	11622	3.183	ng	# 1

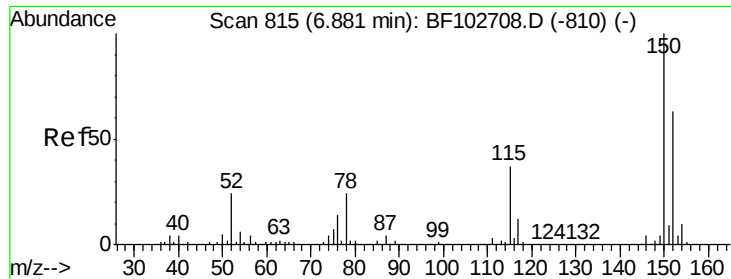
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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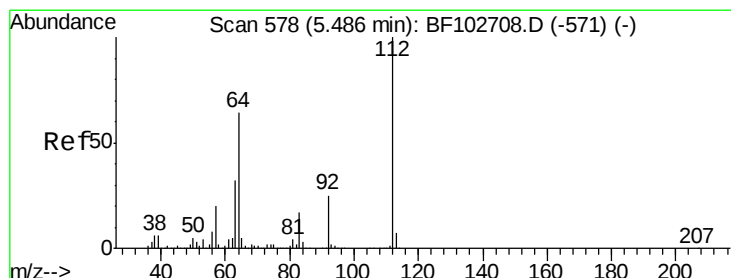
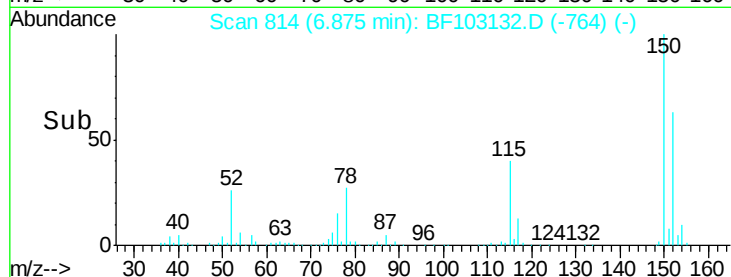
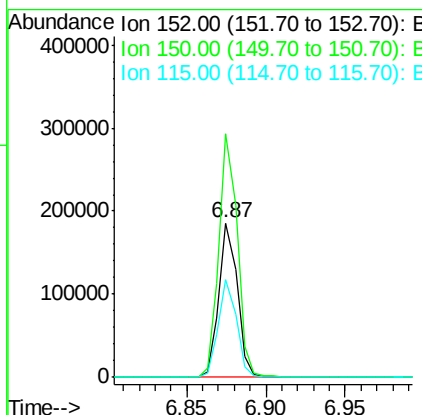
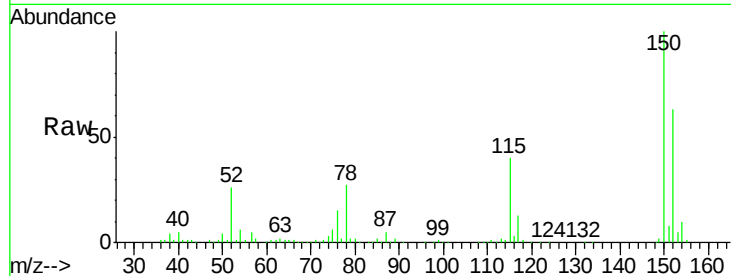


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103132.D
Acq: 21 Feb 2018 13:24

Instrument :
BNA_F
ClientSampleId :
TR-05-022018

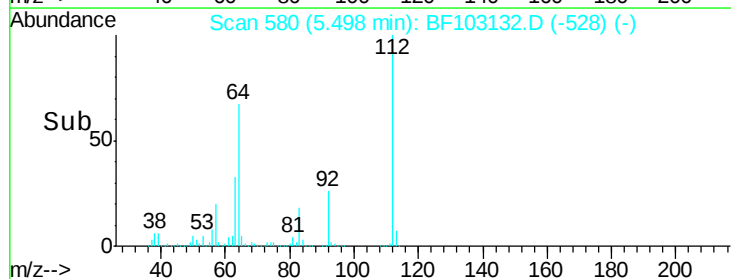
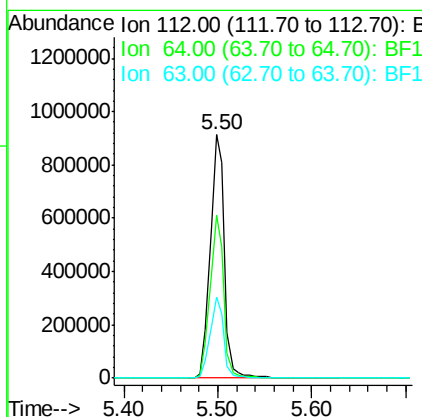
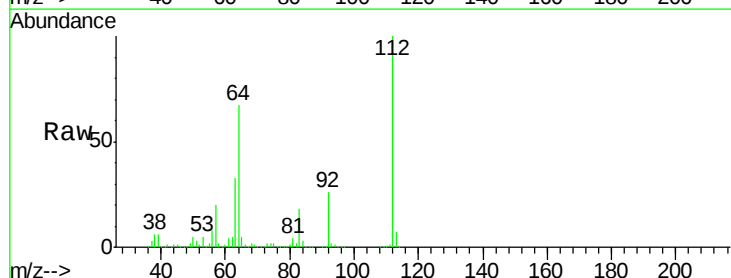
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	63.5	50.1	75.1

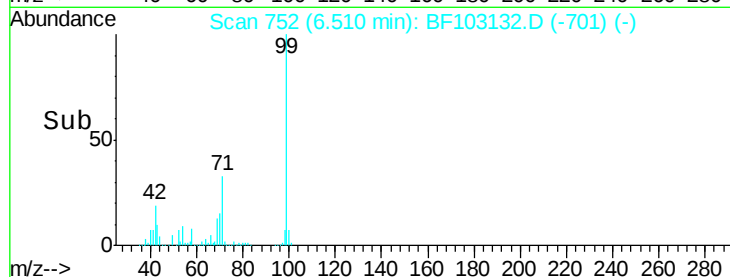
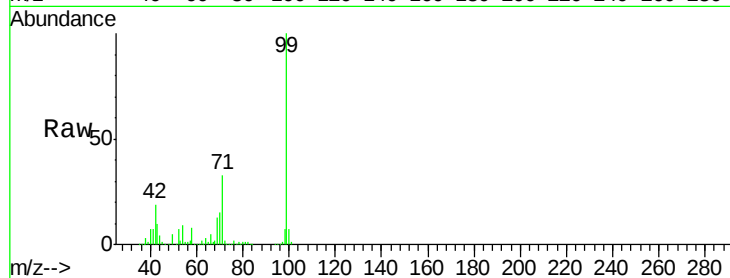
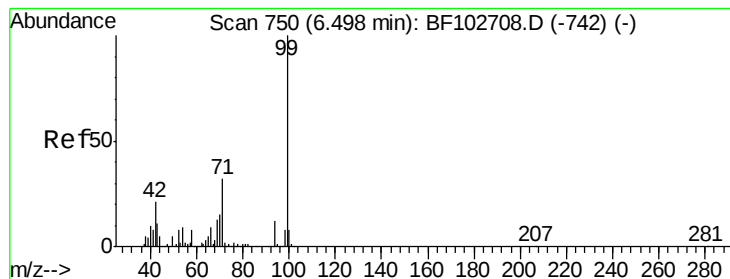


#5

2-Fluorophenol
Concen: 98.976 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103132.D
Acq: 21 Feb 2018 13:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	47.9	71.9
63	33.4	23.7	35.5





#7

Phenol-d6

Concen: 95.457 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103132.D

Acq: 21 Feb 2018 13:24

Instrument :

BNA_F

ClientSampleId :

TR-05-022018

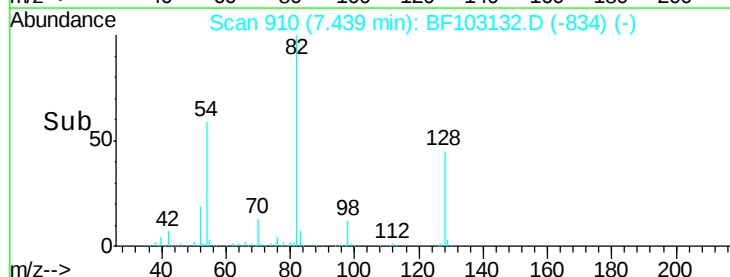
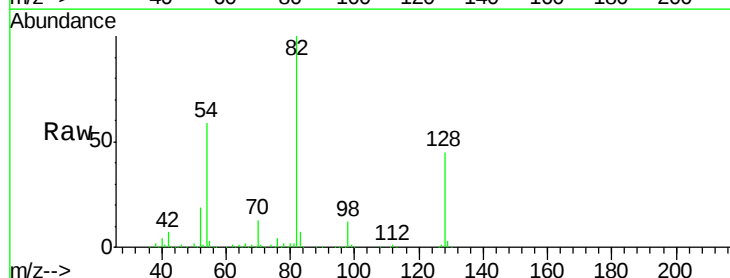
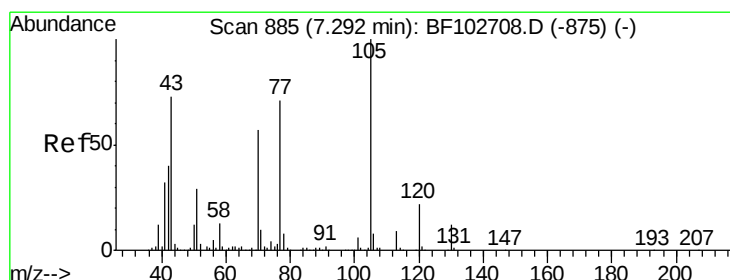
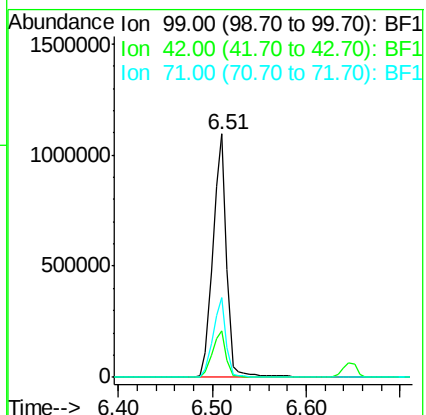
Tot Ion: 99 Resp: 1137205

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

71 32.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.324 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103132.D

Acq: 21 Feb 2018 13:24

Tgt Ion: 70 Resp: 96800

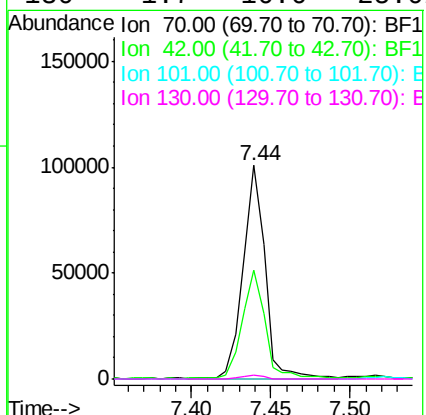
Ion Ratio Lower Upper

70 100

42 51.0 47.5 71.3

101 0.0 7.4 11.2#

130 1.7 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: BF103132.D

Acq: 21 Feb 2018 13:24

Instrument :

BNA_F

ClientSampleId :

TR-05-022018

Tot Ion:136 Resp: 597046

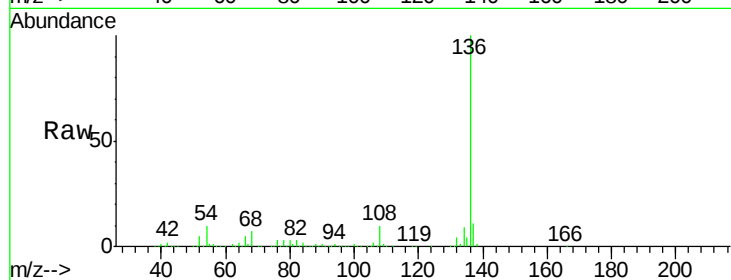
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.8 6.6 9.8

68 6.6 5.0 7.4

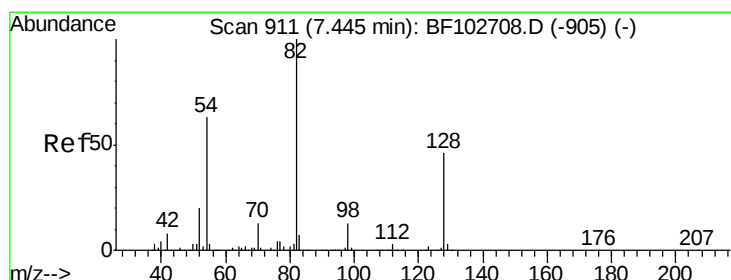
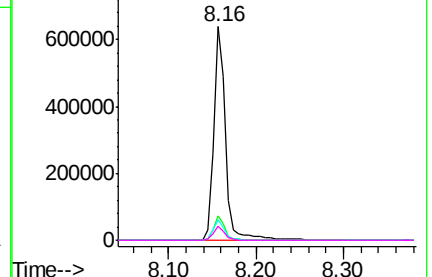
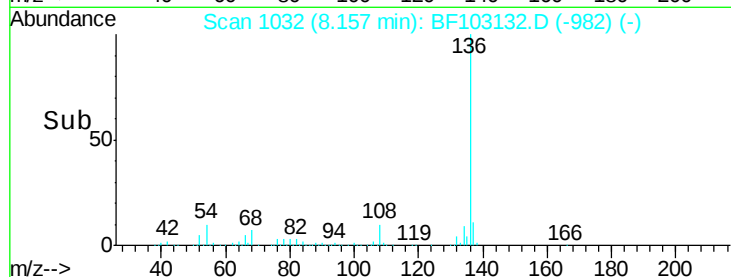


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.610 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103132.D

Acq: 21 Feb 2018 13:24

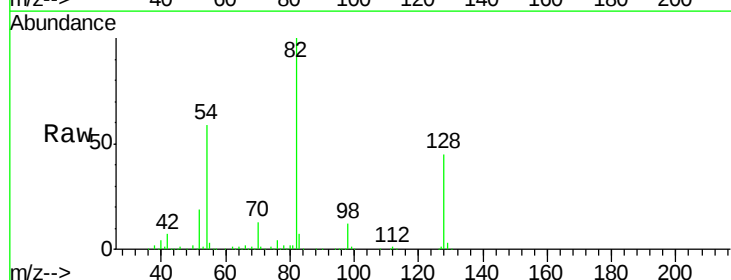
Tgt Ion: 82 Resp: 736810

Ion Ratio Lower Upper

82 100

128 44.6 36.1 54.1

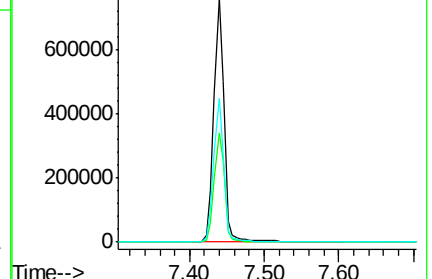
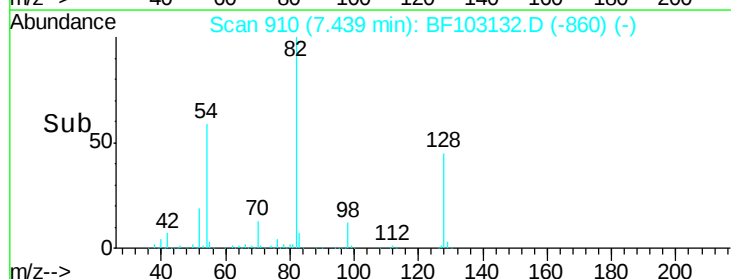
54 58.8 41.4 62.2



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: 37.178 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103132.D

Acq: 21 Feb 2018 13:24

Instrument :

BNA_F

ClientSampleId :

TR-05-022018

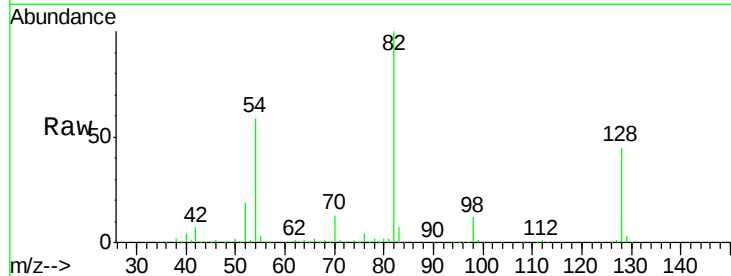
Tot Ion: 82 Resp: 736806

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

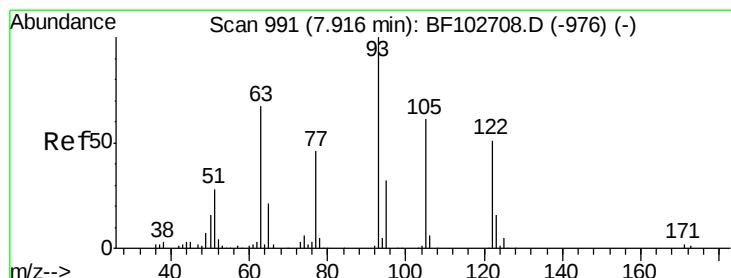
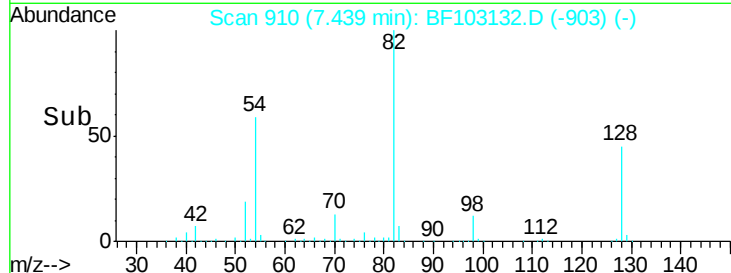
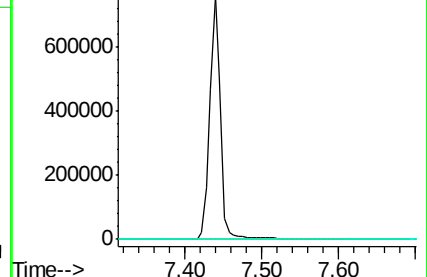
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 8.562 ng

RT: 7.96 min Scan# 998

Delta R.T. 0.01 min

Lab File: BF103132.D

Acq: 21 Feb 2018 13:24

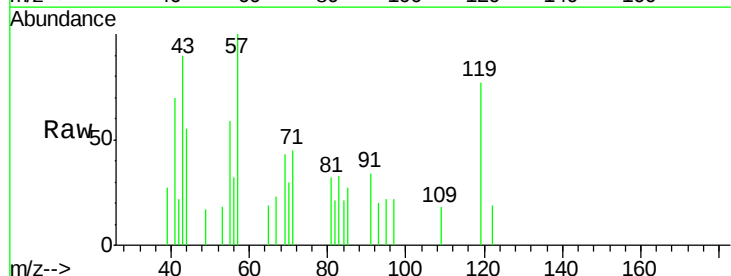
Tgt Ion: 122 Resp: 119

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

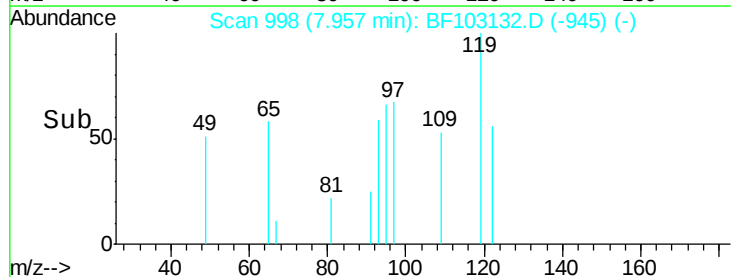
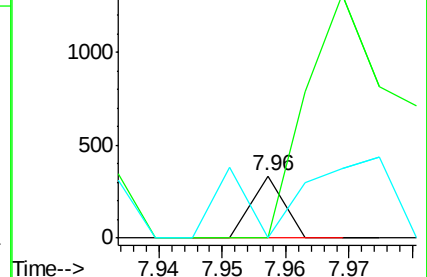
77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

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: BF103132.D

Acq: 21 Feb 2018 13:24

Instrument :

BNA_F

ClientSampleId :

TR-05-022018

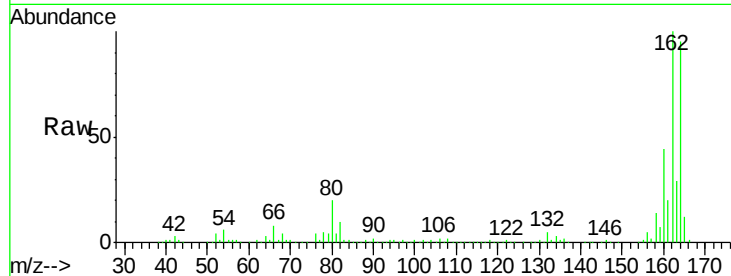
Tot Ion:164 Resp: 229726

Ion Ratio Lower Upper

164 100

162 105.3 86.1 129.1

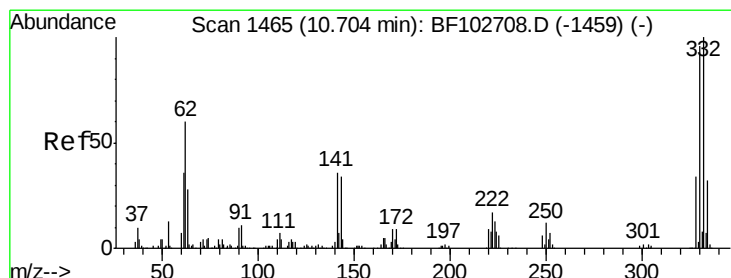
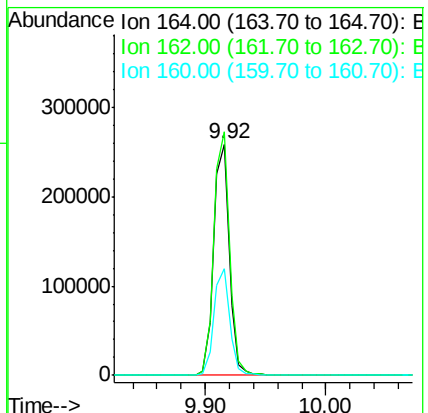
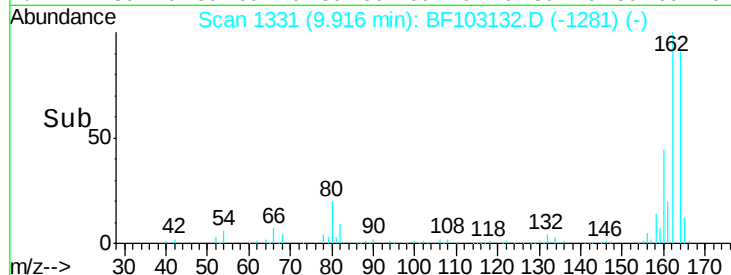
160 46.2 38.3 57.5



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: 95.874 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF103132.D

Acq: 21 Feb 2018 13:24

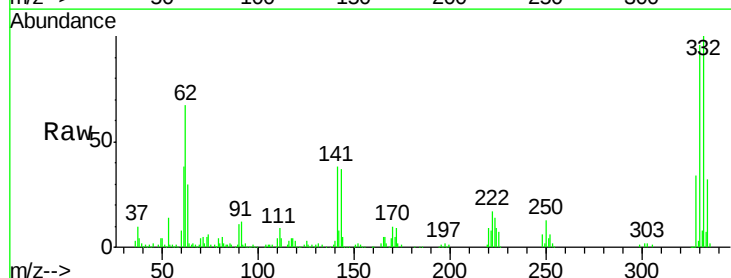
Tgt Ion:330 Resp: 177273

Ion Ratio Lower Upper

330 100

332 104.5 77.0 115.6

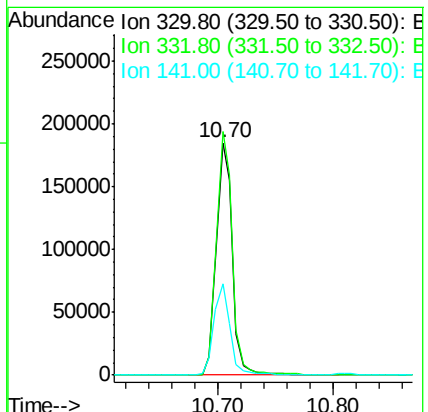
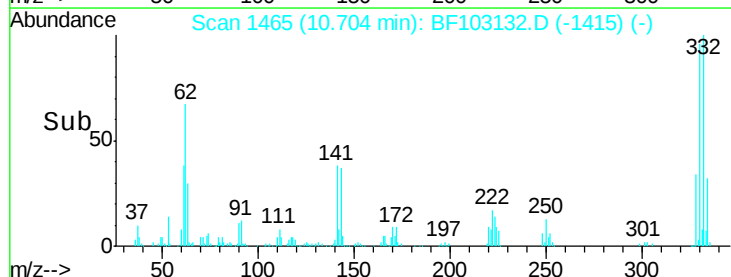
141 40.3 29.9 44.9

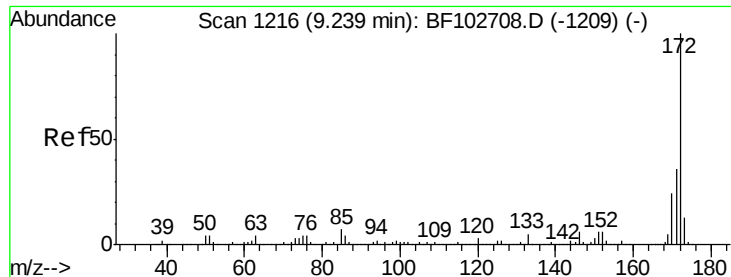


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

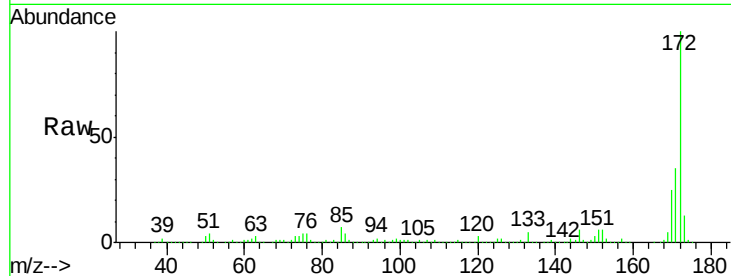




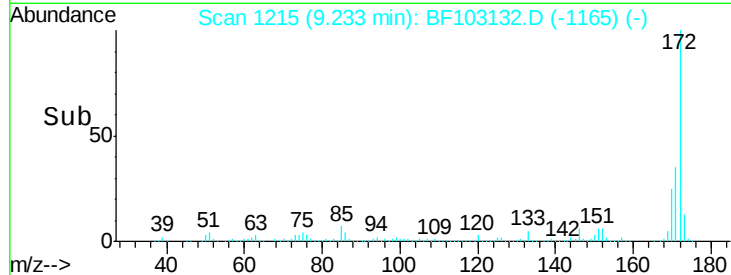
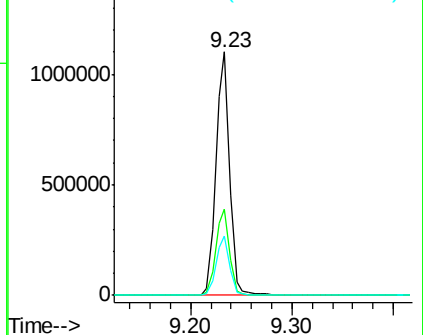
#44
2-Fluorobiphenyl
Concen: 74.370 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103132.D
Acq: 21 Feb 2018 13:24

Instrument :
BNA_F
ClientSampleId :
TR-05-022018

Tot Ion:172 Resp: 1029607
Ion Ratio Lower Upper
172 100
171 35.3 29.7 44.5
170 24.6 19.6 29.4

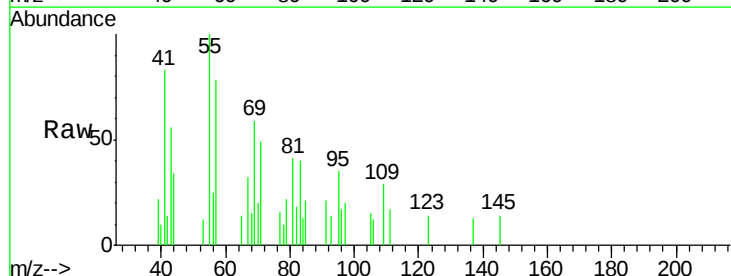


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

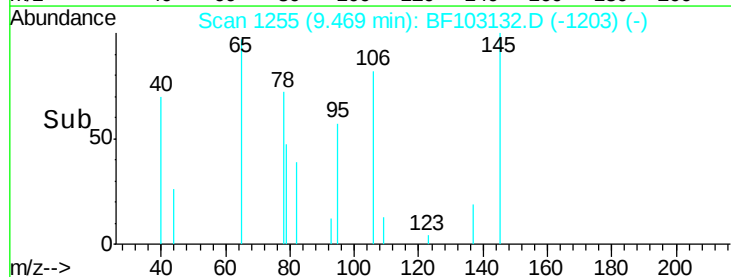
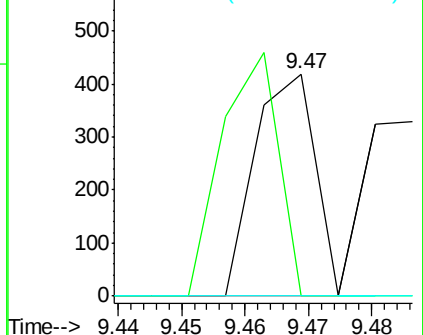


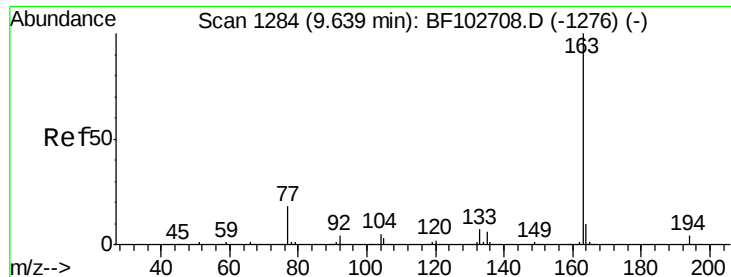
#47
2-Nitroaniline
Concen: 3.526 ng
RT: 9.47 min Scan# 1255
Delta R.T. 0.01 min
Lab File: BF103132.D
Acq: 21 Feb 2018 13:24

Tgt Ion: 65 Resp: 275
Ion Ratio Lower Upper
65 100
92 0.0 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): E

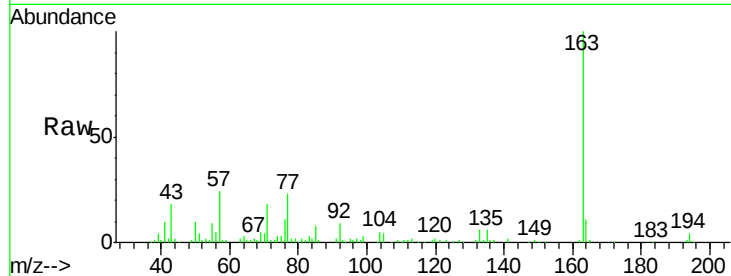




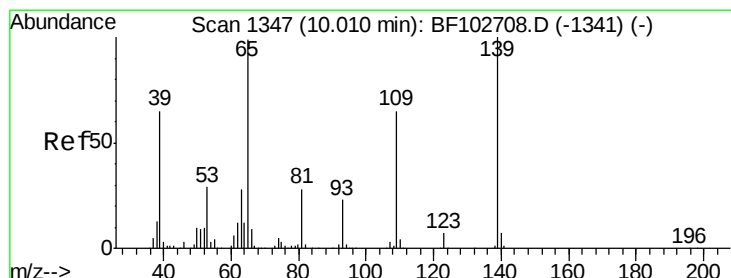
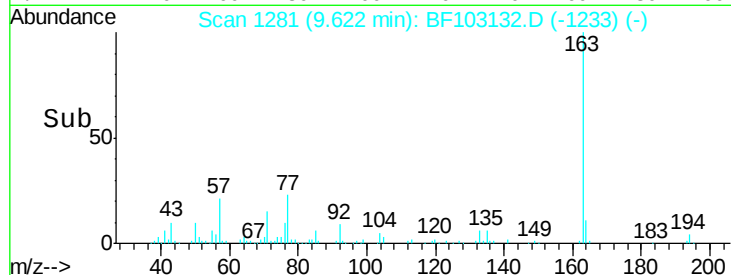
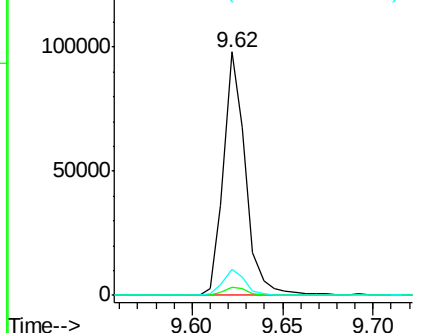
#49
Dimethylphthalate
Concen: 4.642 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF103132.D
Acq: 21 Feb 2018 13:24

Instrument :
BNA_F
ClientSampleId :
TR-05-022018

Tot Ion:163 Resp: 83154
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.7 8.2 12.2

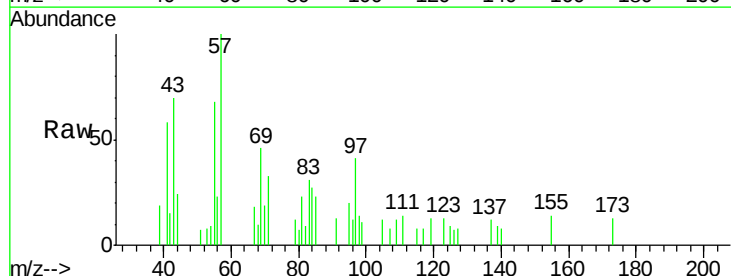


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

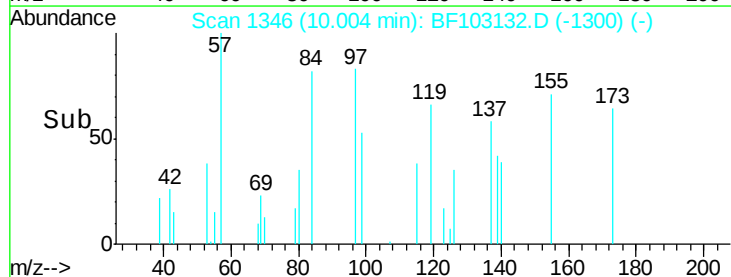
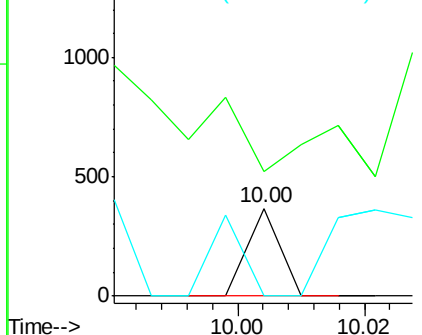


#55
4-Nitrophenol
Concen: 4.060 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.03 min
Lab File: BF103132.D
Acq: 21 Feb 2018 13:24

Tgt Ion:139 Resp: 130
Ion Ratio Lower Upper
139 100
109 142.1 48.4 88.4#
65 0.0 72.6 112.6#



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

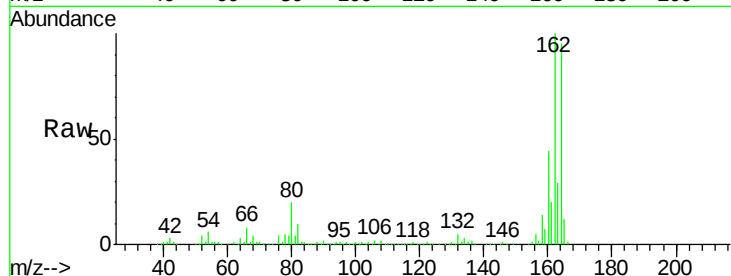




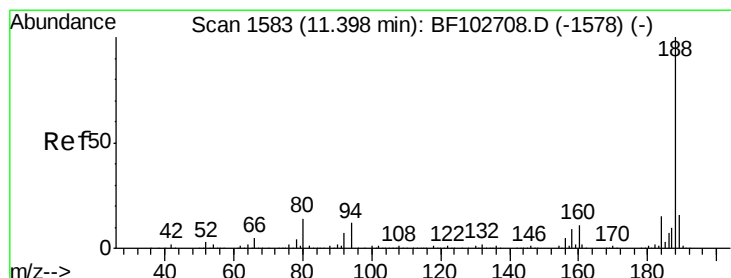
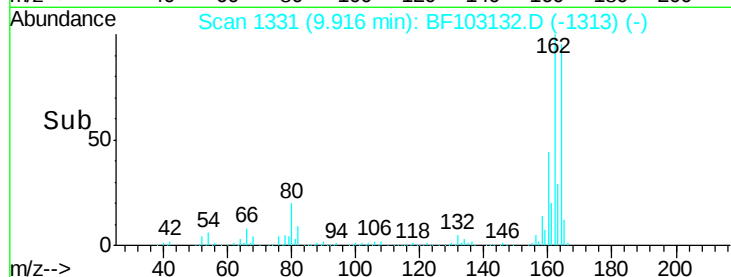
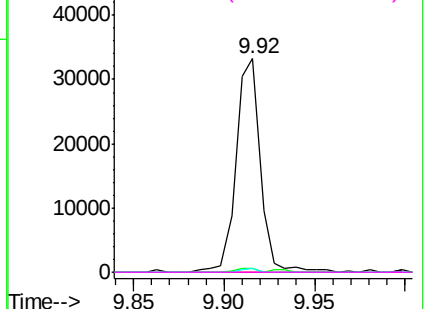
#56
2,4-Dinitrotoluene
Concen: 9.427 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103132.D
Acq: 21 Feb 2018 13:24

Instrument :
BNA_F
ClientSampleId :
TR-05-022018

Tot Ion:165 Resp: 31014
Ion Ratio Lower Upper
165 100
63 1.7 36.4 54.6#
89 2.0 57.8 86.6#
182 0.0 1.6 2.4#

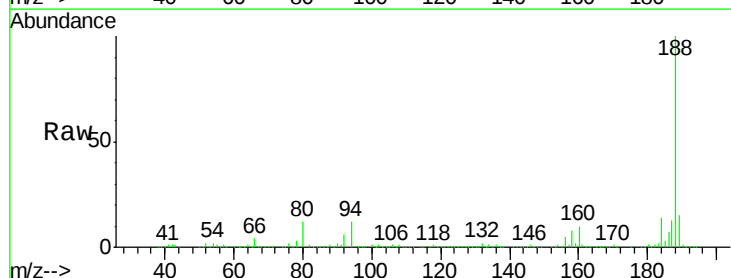


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

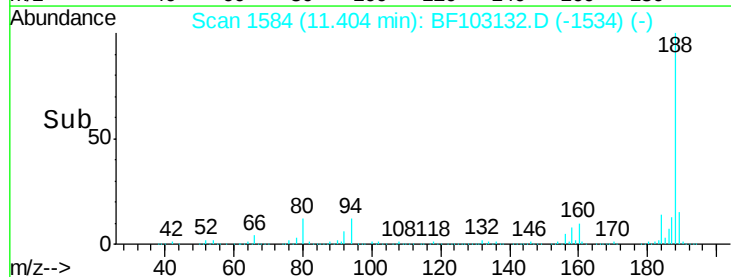
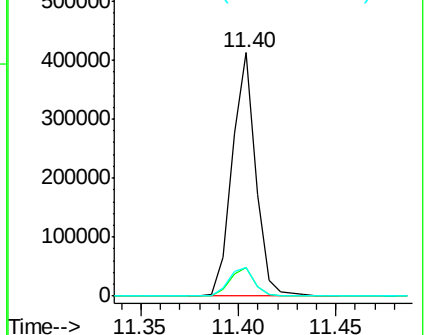


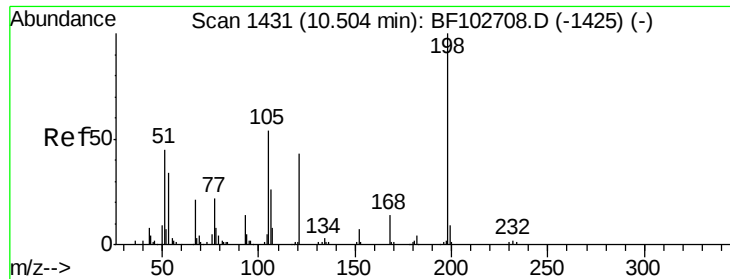
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103132.D
Acq: 21 Feb 2018 13:24

Tgt Ion:188 Resp: 345207
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 11.7 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

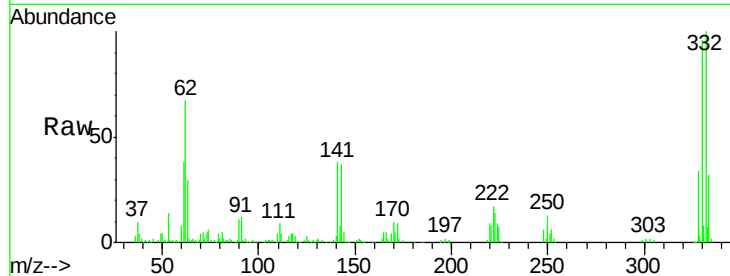




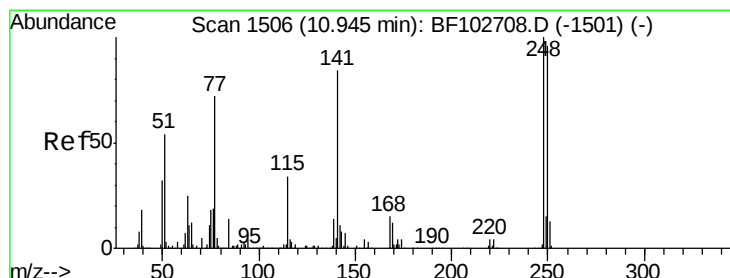
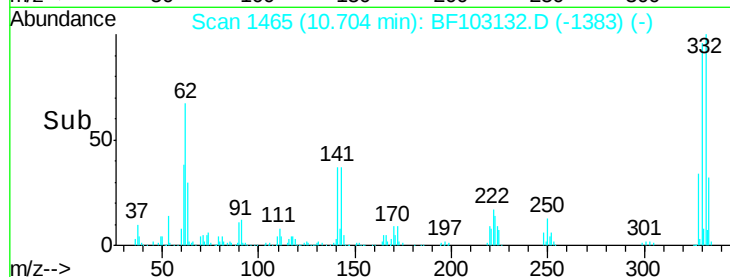
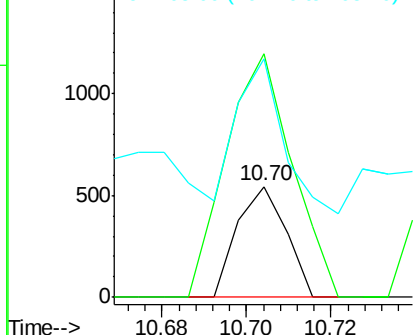
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.073 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF103132.D
 Acq: 21 Feb 2018 13:24

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-022018

Tot Ion:198 Resp: 436
 Ion Ratio Lower Upper
 198 100
 51 219.9 37.7 77.7#
 105 215.3 36.3 76.3#

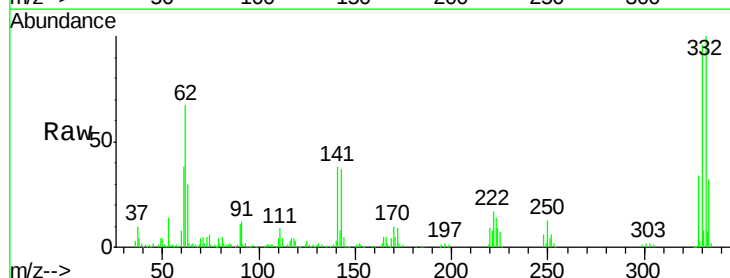


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

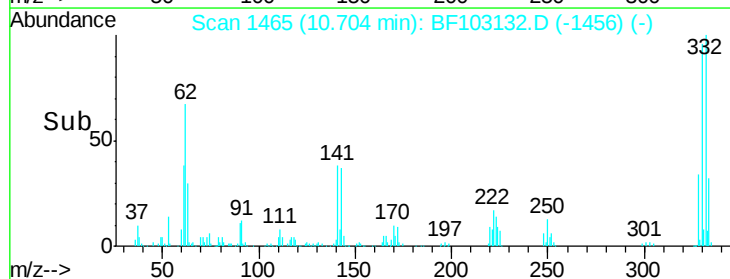
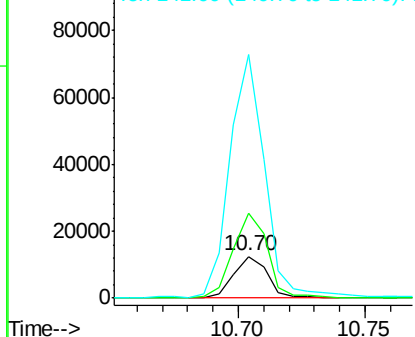


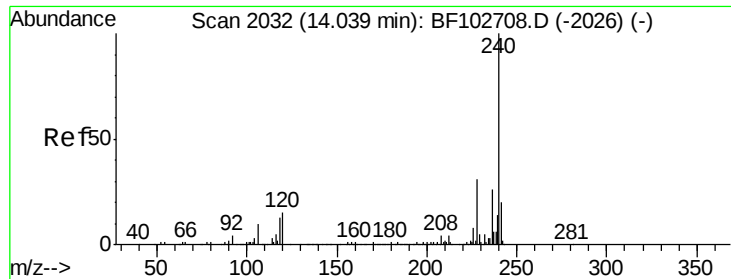
#66
 4-Bromophenyl-phenylether
 Concen: 3.183 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103132.D
 Acq: 21 Feb 2018 13:24

Tgt Ion:248 Resp: 11622
 Ion Ratio Lower Upper
 248 100
 250 204.3 76.9 115.3#
 141 584.1 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: BF103132.D

Acq: 21 Feb 2018 13:24

Instrument :

BNA_F

ClientSampleId :

TR-05-022018

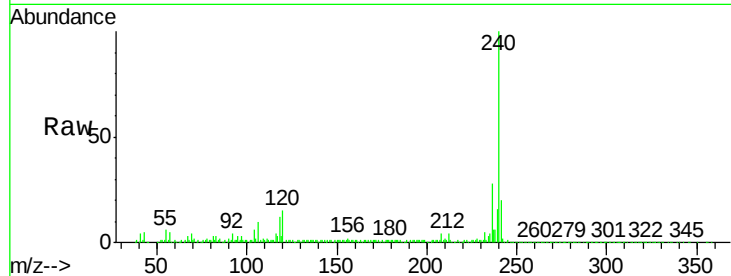
Tot Ion:240 Resp: 294546

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

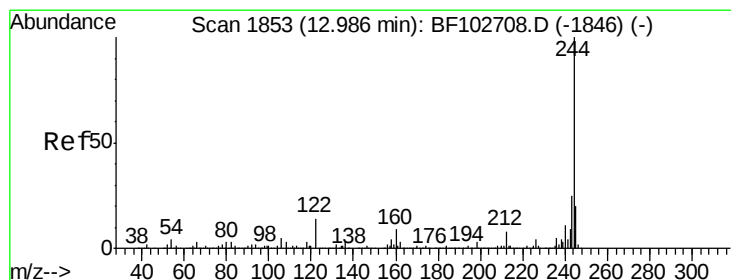
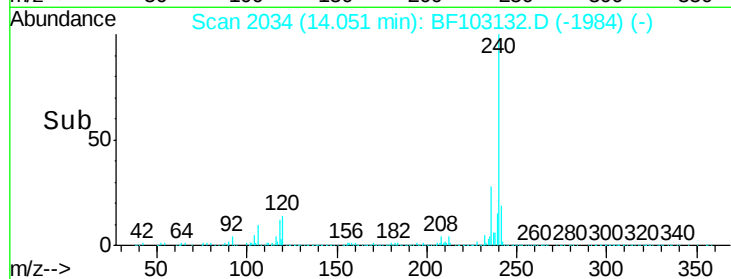
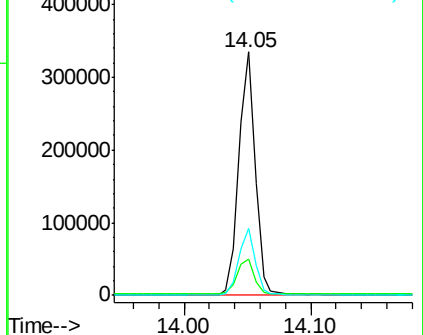
236 27.7 20.7 31.1



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: 59.119 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103132.D

Acq: 21 Feb 2018 13:24

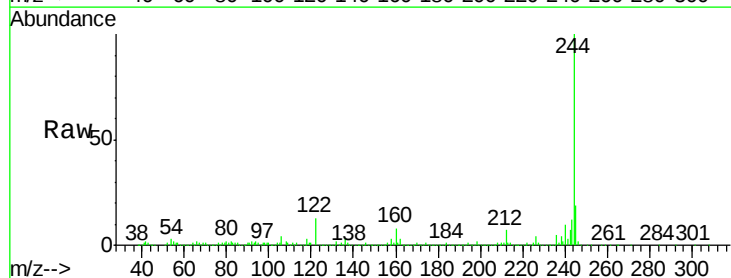
Tgt Ion:244 Resp: 735422

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

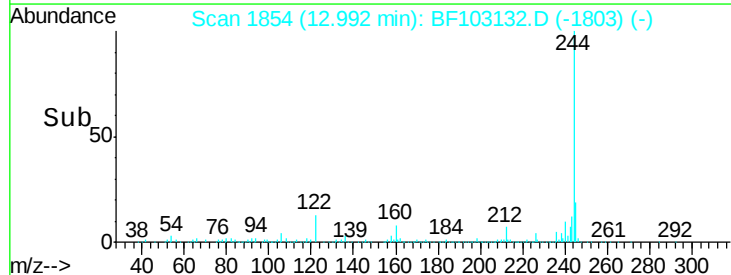
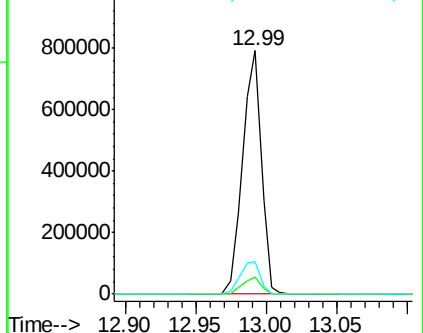
122 13.5 11.0 16.4

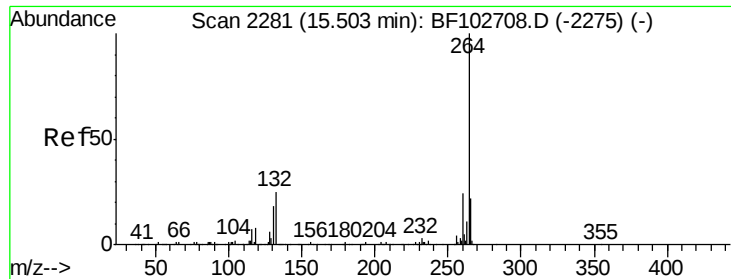


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

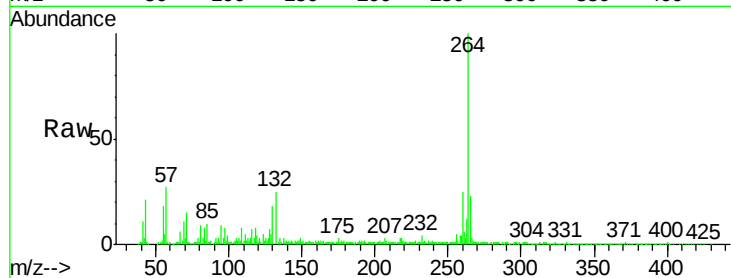




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF103132.D
Acq: 21 Feb 2018 13:24

Instrument :
BNA_F
ClientSampleId :
TR-05-022018

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	22.7	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

