

Data Path : U:\HPCHEM1\BNA F\DATA\BF020318\
 Data File : BF102720.D
 Acq On : 3 Feb 2018 16:42
 Operator : SJ/JU
 Sample : J1431-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 05 01:24:47 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

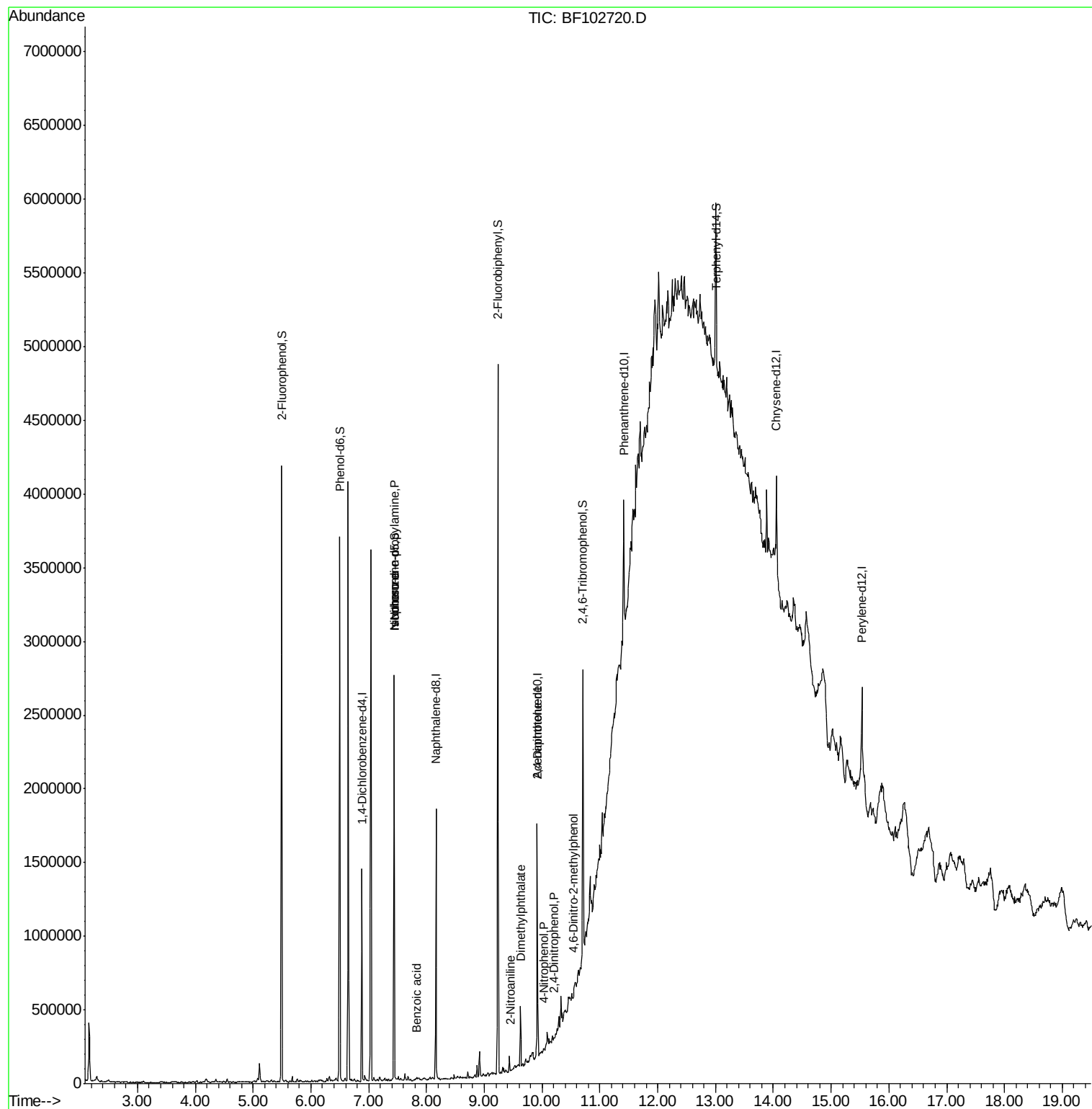
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	183164	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	743953	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	308779	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	363381	20.00	ng	0.01
75) Chrysene-d12	14.06	240	251370	20.00	ng	0.02
86) Perylene-d12	15.53	264	291630	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1173728	97.32	ng	0.00
7) Phenol-d6	6.50	99	1398828	96.32	ng	0.00
23) Nitrobenzene-d5	7.44	82	830935	77.48	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	243702	98.06	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1447832	77.81	ng	0.00
78) Terphenyl-d14	13.00	244	709153	66.80	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	110106	11.500	ng	# 87
25) Isophorone	7.44	82	829163	33.577	ng	# 64
32) Benzoic acid	7.84	122	3021	8.940	ng	91
47) 2-Nitroaniline	9.46	65	199	3.501	ng	# 46
49) Dimethylphthalate	9.63	163	88293	3.667	ng	100
53) 2,4-Dinitrophenol	10.20	184	241	8.220	ng	# 1
55) 4-Nitrophenol	10.03	139	629	4.153	ng	# 1
56) 2,4-Dinitrotoluene	9.92	165	41675	9.425	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.53	198	110	8.859	ng	# 1

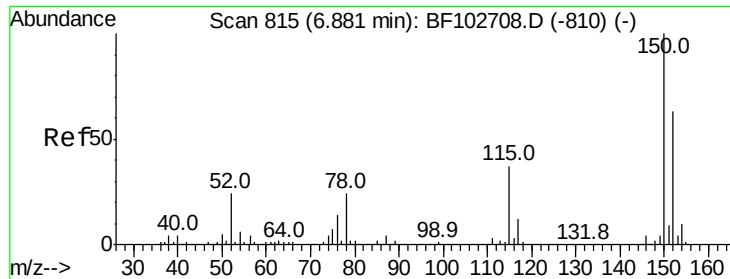
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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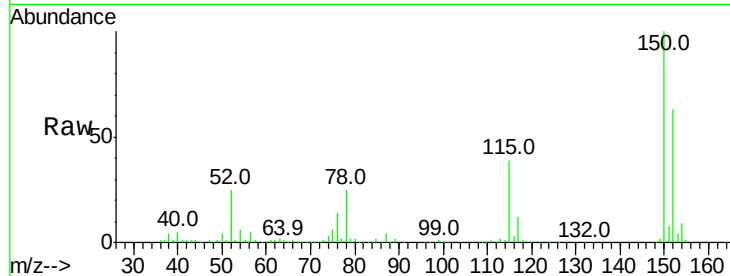


#1

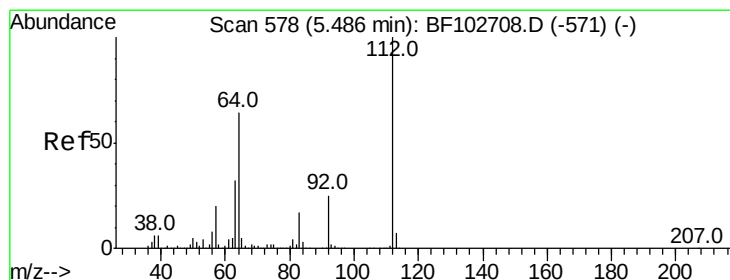
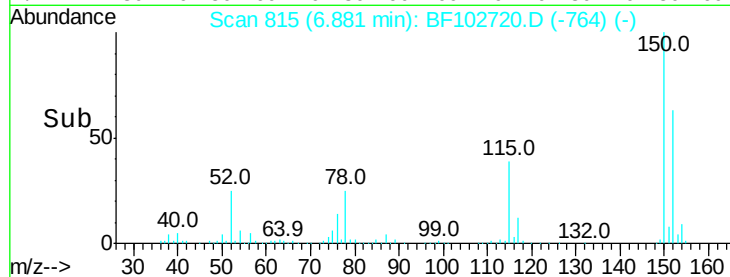
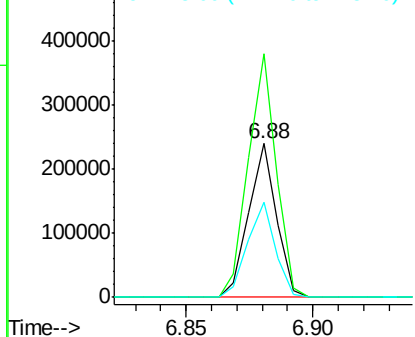
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102720.D
Acq: 3 Feb 2018 16:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 183164
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 61.8 50.1 75.1



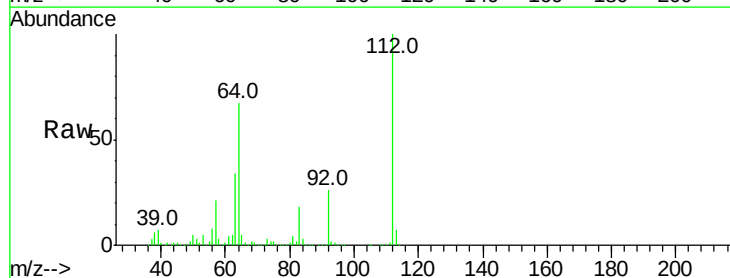
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



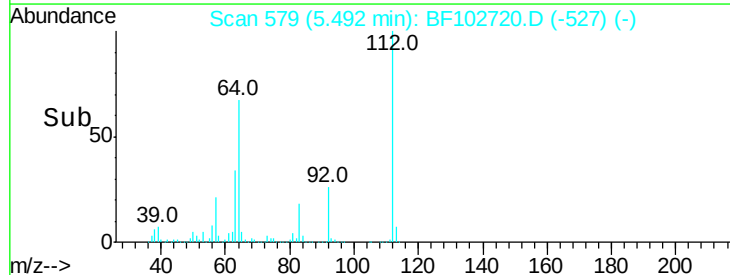
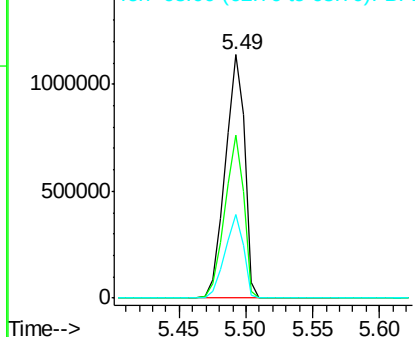
#5

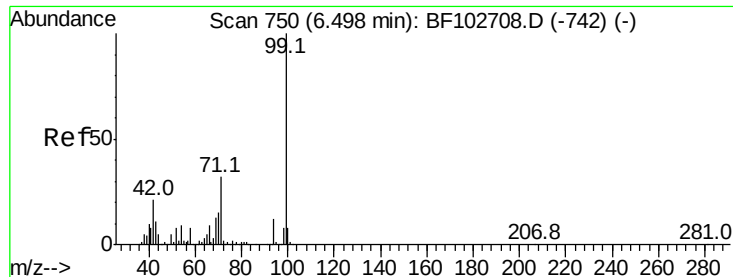
2-Fluorophenol
Concen: 97.317 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF102720.D
Acq: 3 Feb 2018 16:42

Tgt Ion:112 Resp: 1173728
Ion Ratio Lower Upper
112 100
64 66.9 47.9 71.9
63 34.2 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: 96.324 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

Instrument :

BNA_F

ClientSampleId :

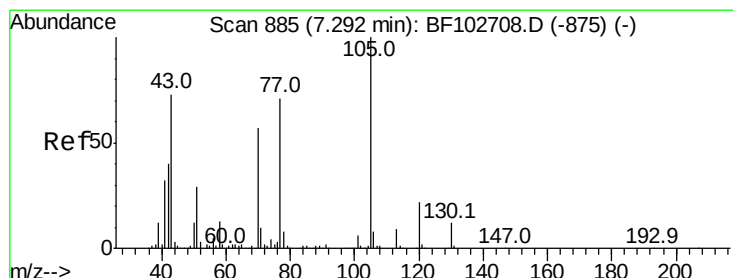
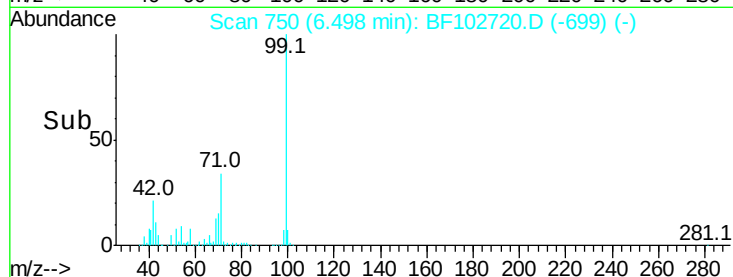
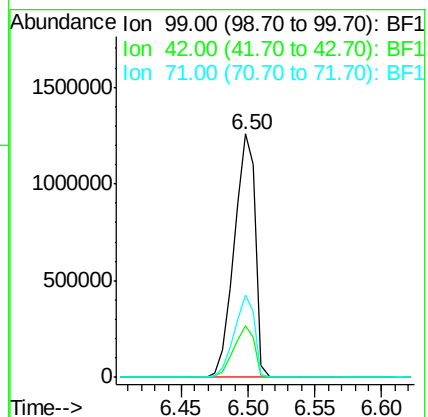
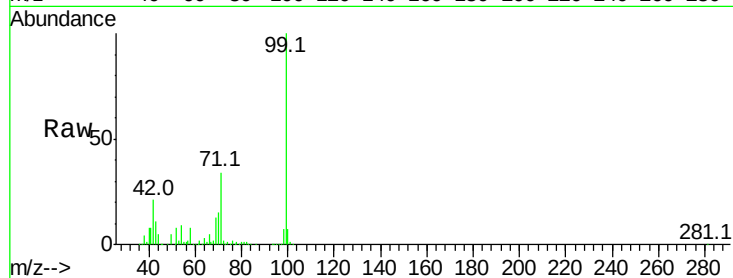
Tot Ion: 99 Resp: 1398828

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

71 33.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.500 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

Tgt Ion: 70 Resp: 110106

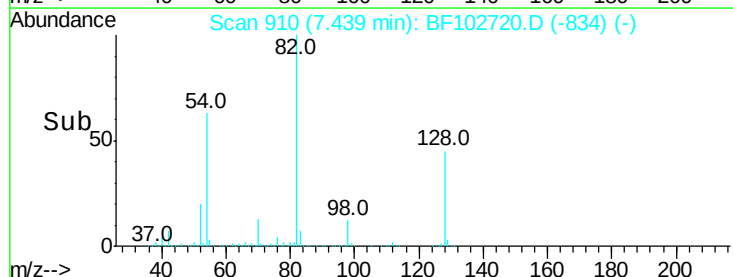
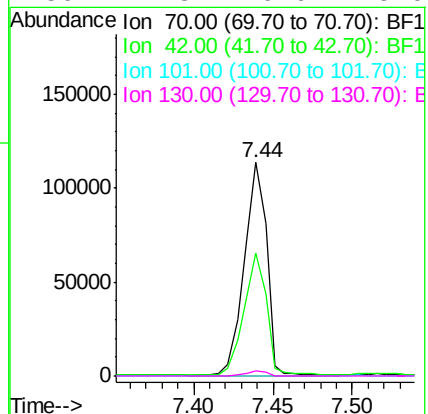
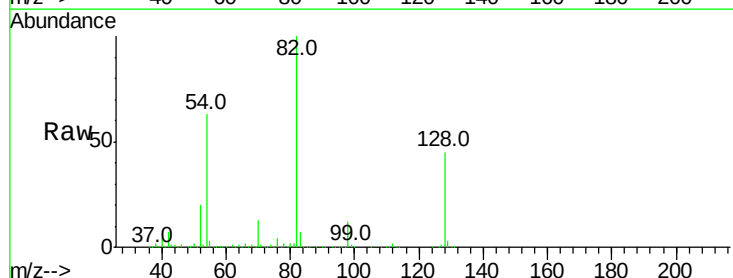
Ion Ratio Lower Upper

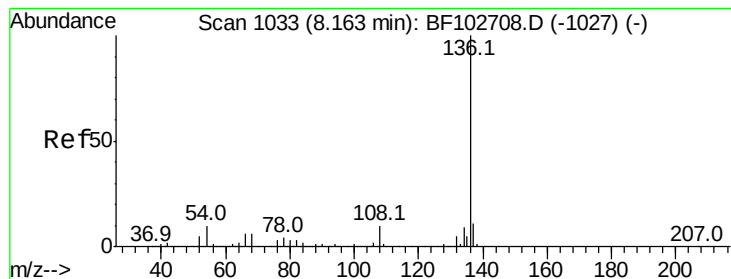
70 100

42 57.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 743953

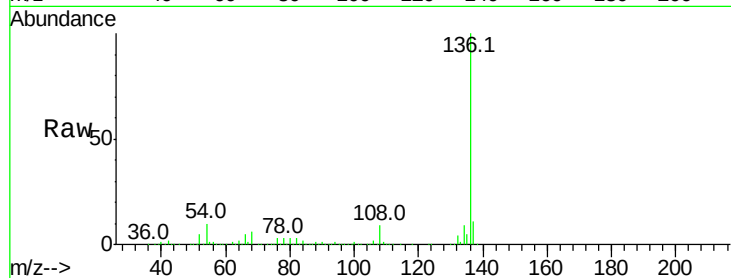
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 9.8 6.6 9.8

68 6.3 5.0 7.4

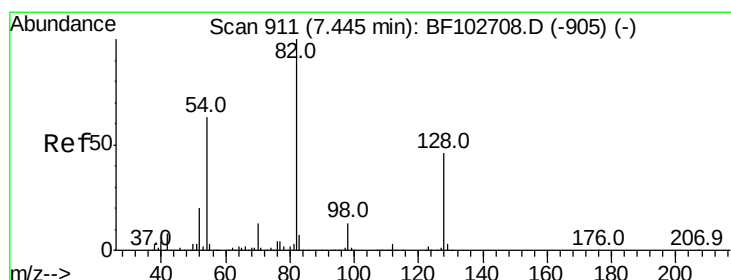
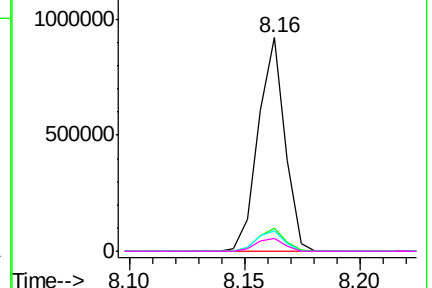
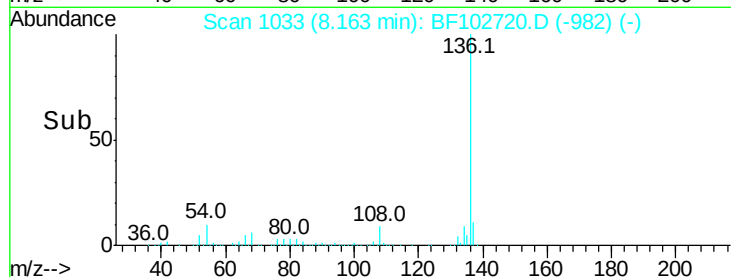


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.481 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

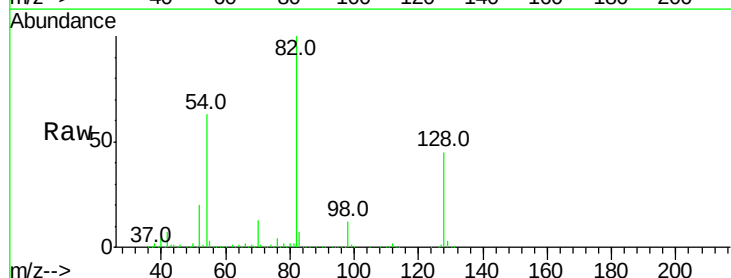
Tgt Ion: 82 Resp: 830935

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

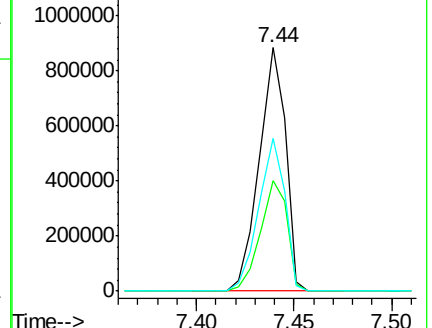
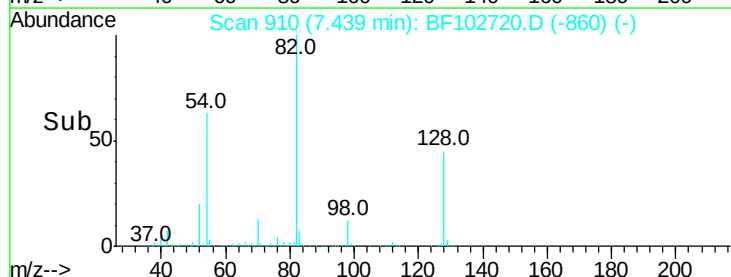
54 62.7 41.4 62.2#

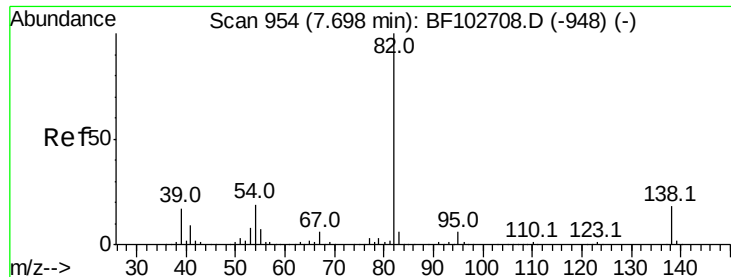


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.577 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

Instrument :

BNA_F

ClientSampled :

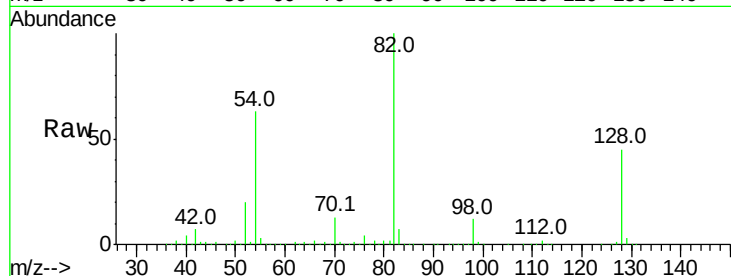
Tot Ion: 82 Resp: 829163

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#

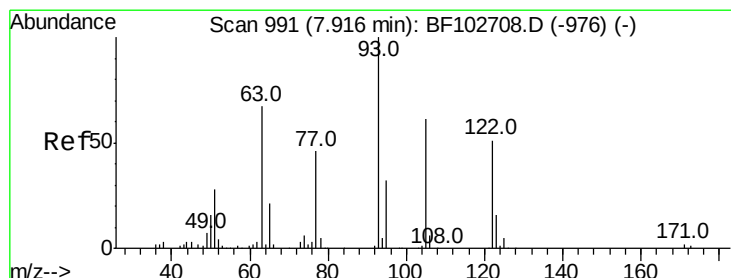
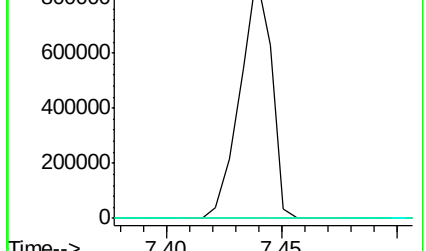
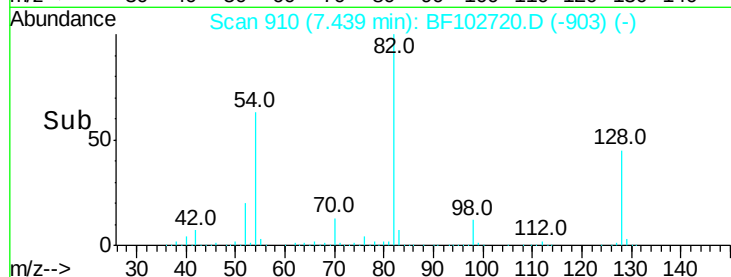


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#32

Benzoic acid

Concen: 8.940 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.08 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

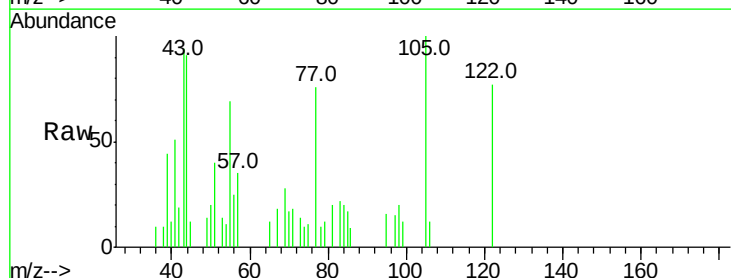
Tgt Ion:122 Resp: 3021

Ion Ratio Lower Upper

122 100

105 130.5 101.1 141.1

77 99.6 70.7 110.7

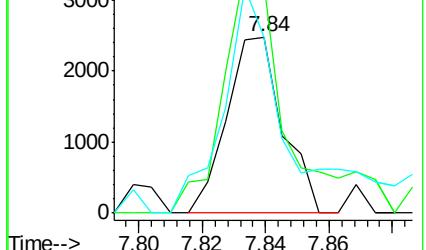
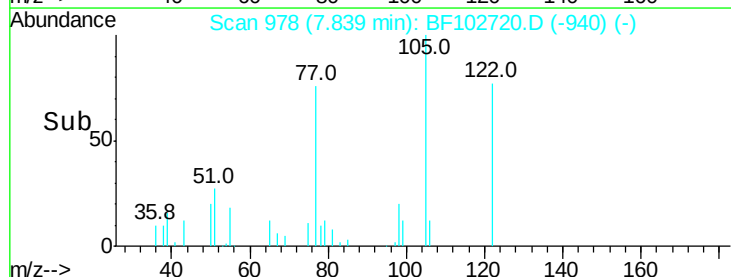


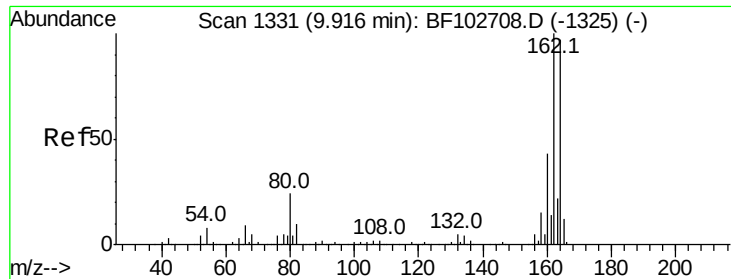
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

Time-->





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

Instrument :

BNA_F

ClientSampled :

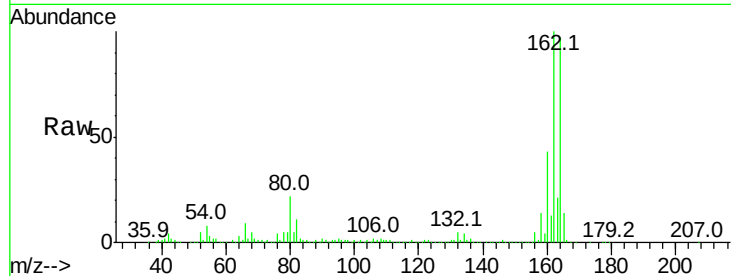
Tot Ion:164 Resp: 308779

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

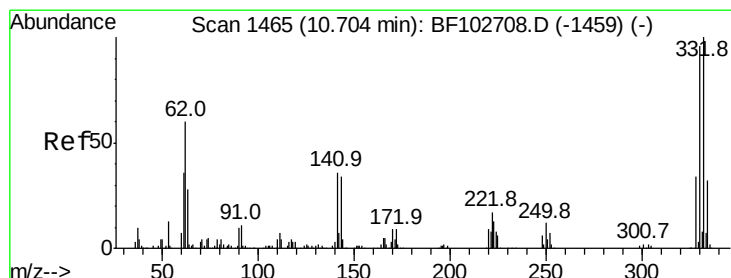
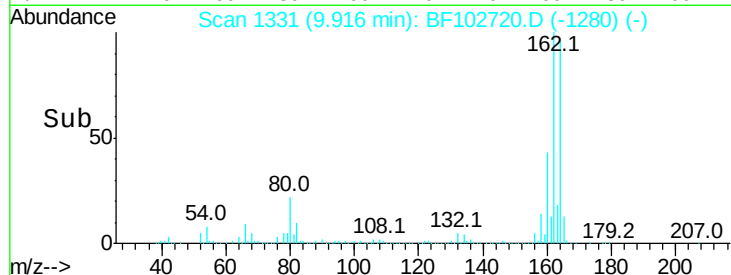
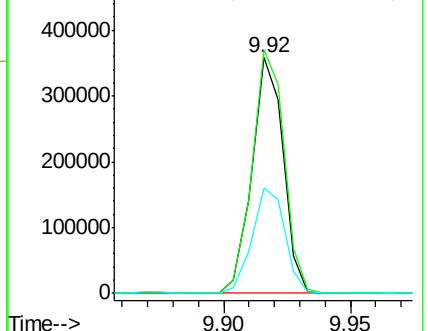
160 44.8 38.3 57.5



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: 98.057 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

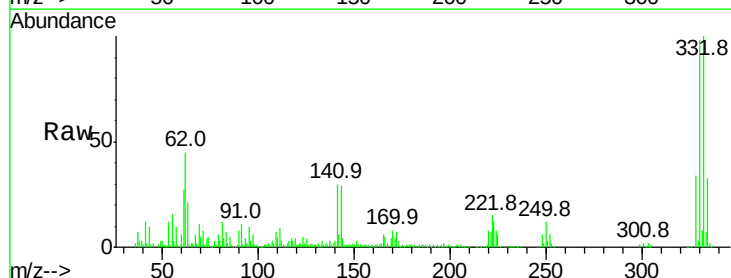
Tgt Ion:330 Resp: 243702

Ion Ratio Lower Upper

330 100

332 103.4 77.0 115.6

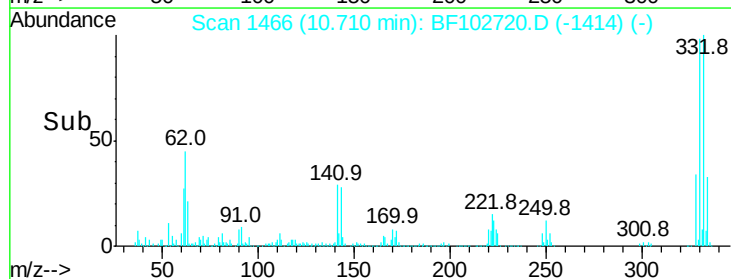
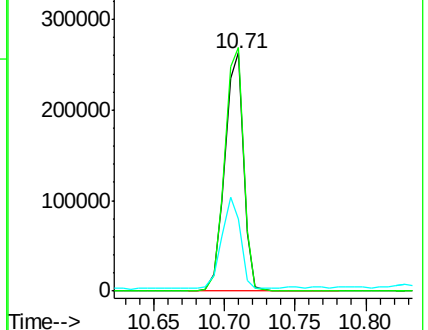
141 38.7 29.9 44.9

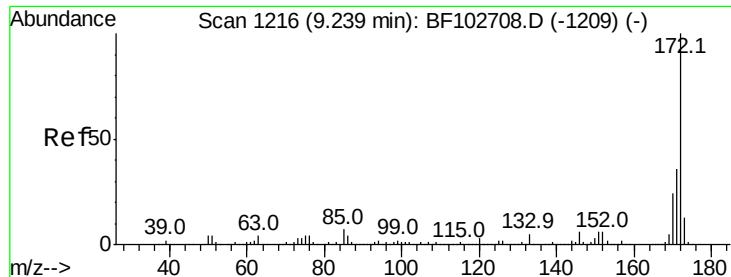


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

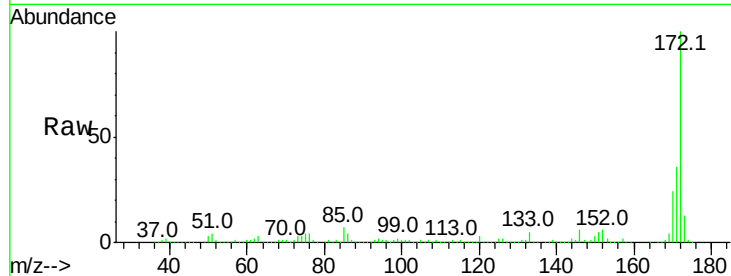




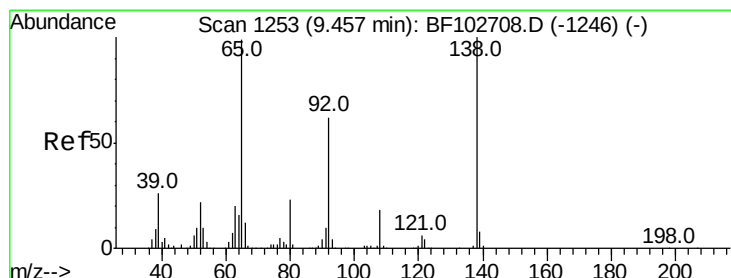
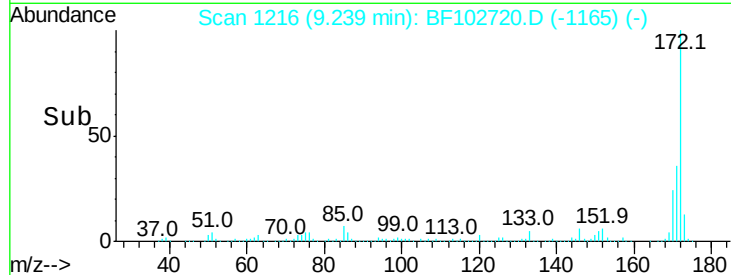
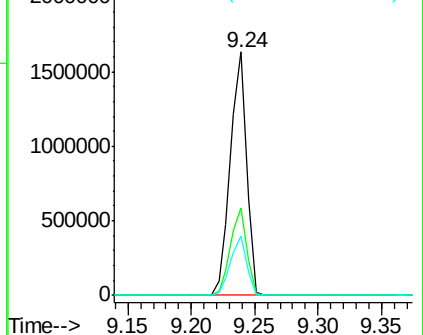
#44
2-Fluorobiphenyl
Concen: 77.805 ng
RT: 9.24 min Scan# 1216
Delta R.T. 0.00 min
Lab File: BF102720.D
Acq: 3 Feb 2018 16:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1447832
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.3 19.6 29.4

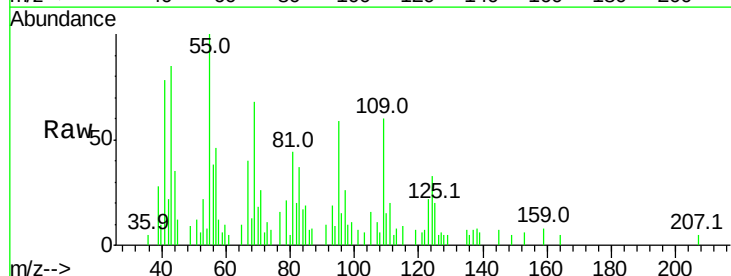


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

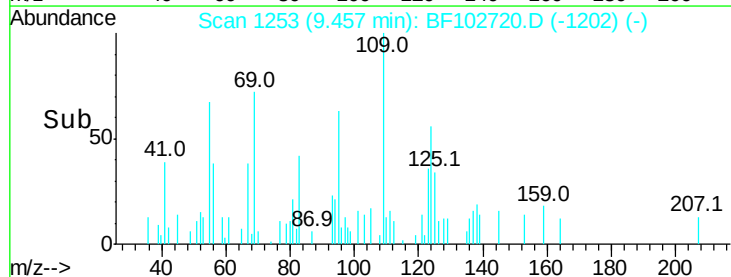
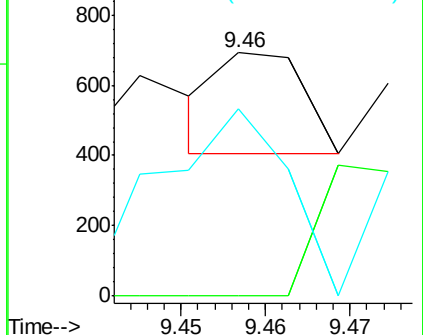


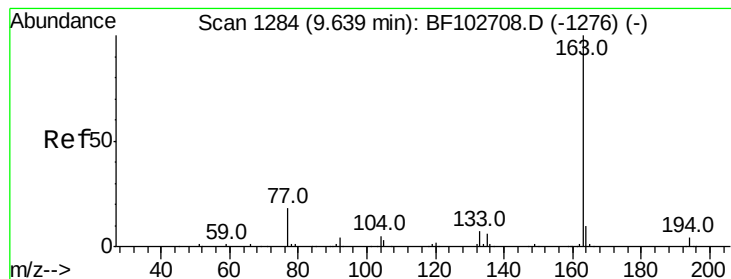
#47
2-Nitroaniline
Concen: 3.501 ng
RT: 9.46 min Scan# 1253
Delta R.T. 0.00 min
Lab File: BF102720.D
Acq: 3 Feb 2018 16:42

Tgt Ion: 65 Resp: 199
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 76.8 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: 3.667 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

Instrument :

BNA_F

ClientSampleId :

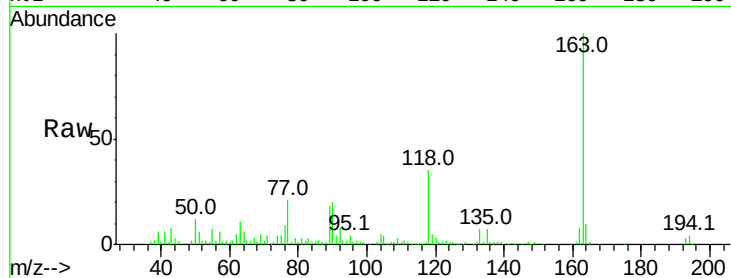
Tot Ion:163 Resp: 88293

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

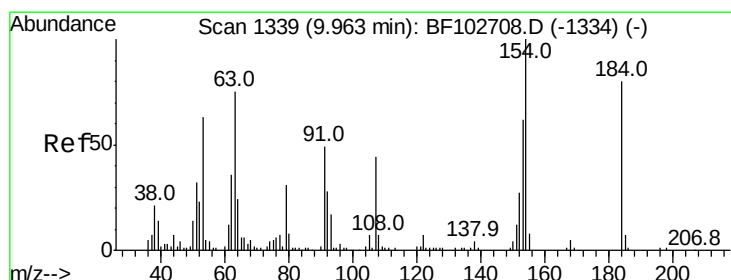
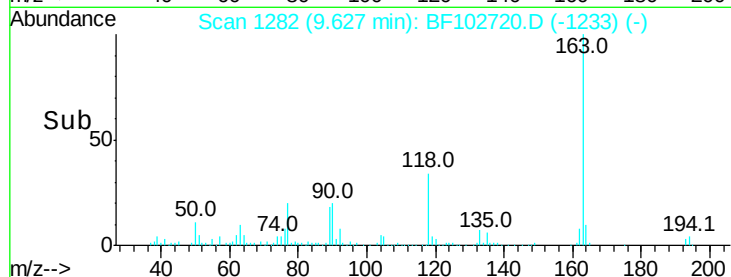
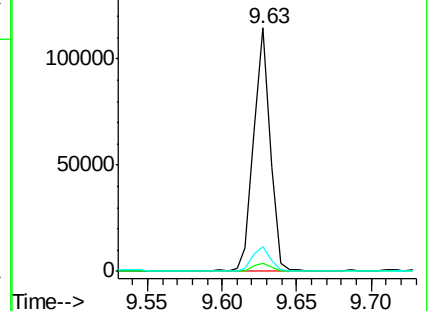
164 10.3 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 8.220 ng

RT: 10.20 min Scan# 1380

Delta R.T. 0.24 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

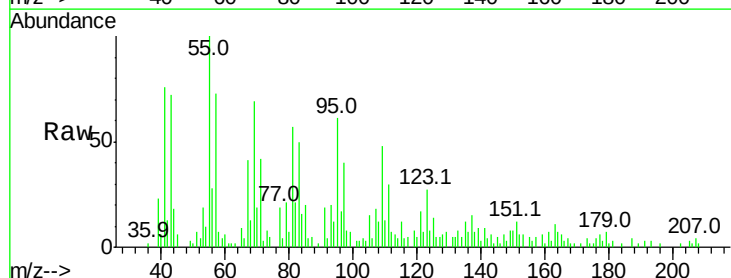
Tgt Ion:184 Resp: 241

Ion Ratio Lower Upper

184 100

63 124.5 54.2 81.2#

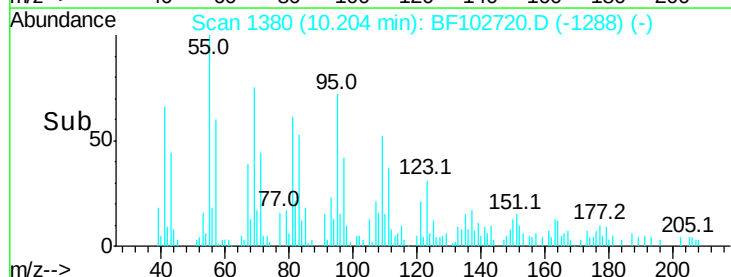
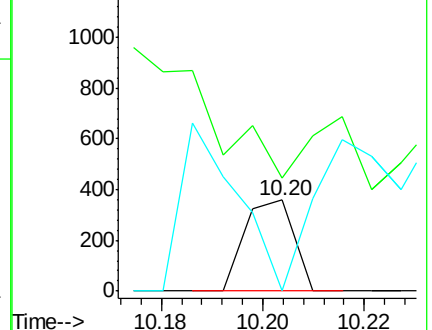
154 0.0 184.0 276.0#

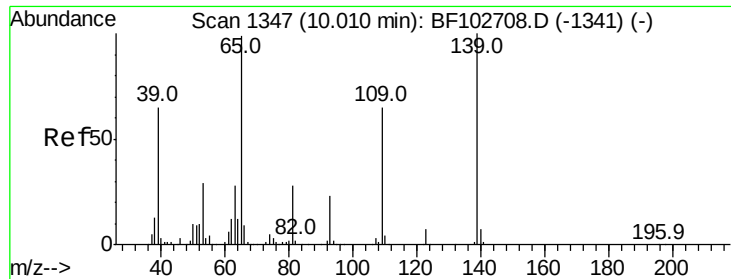


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

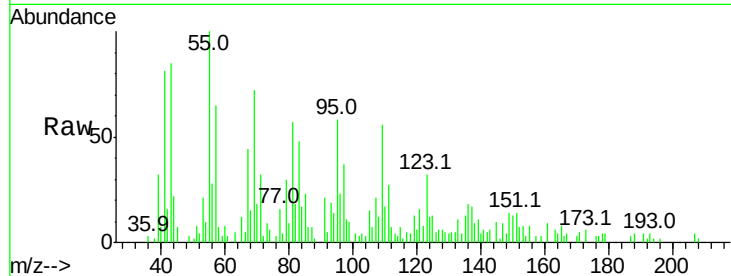




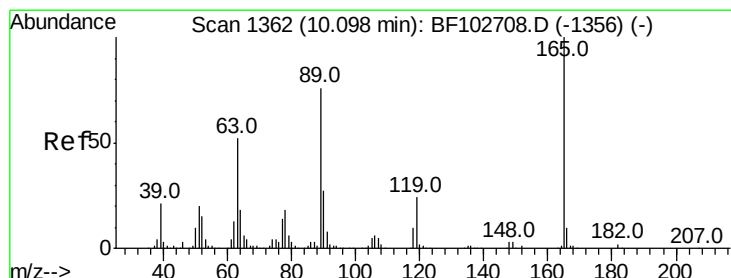
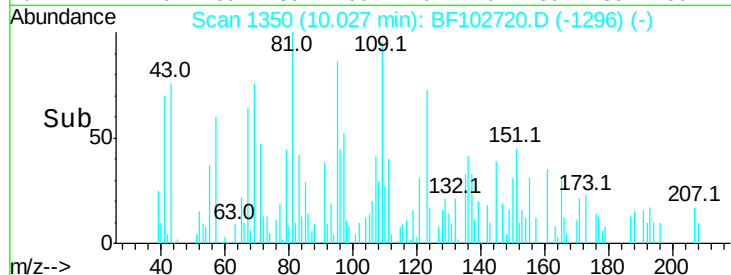
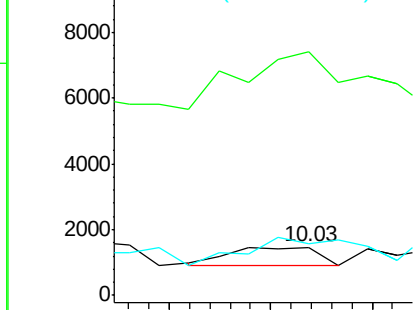
#55
4-Nitrophenol
Concen: 4.153 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.02 min
Lab File: BF102720.D
Acq: 3 Feb 2018 16:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 629
Ion Ratio Lower Upper
139 100
109 506.8 48.4 88.4#
65 108.2 72.6 112.6

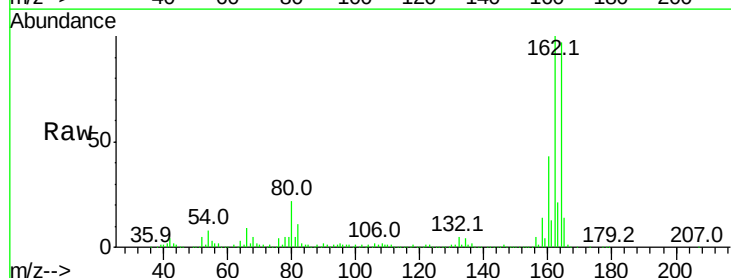


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

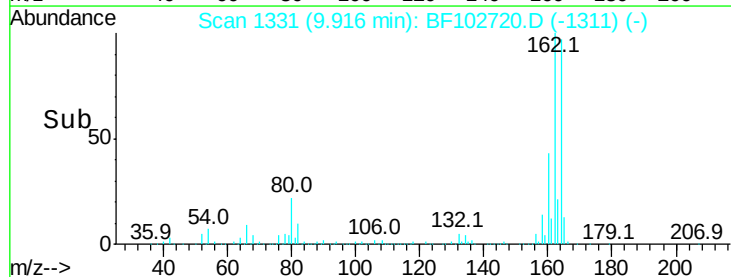
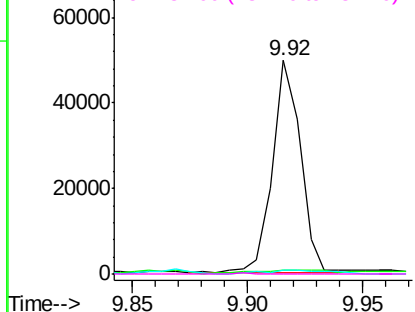


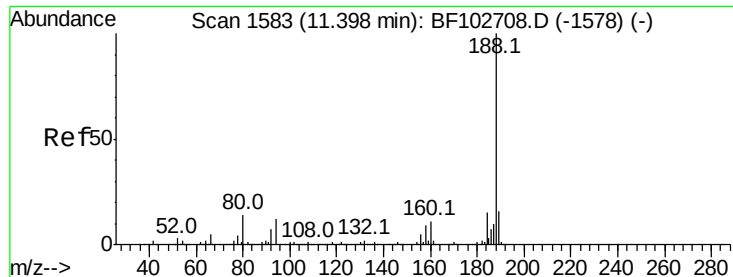
#56
2,4-Dinitrotoluene
Concen: 9.425 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.18 min
Lab File: BF102720.D
Acq: 3 Feb 2018 16:42

Tgt Ion:165 Resp: 41675
Ion Ratio Lower Upper
165 100
63 1.8 36.4 54.6#
89 1.8 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: 11.41 min Scan# 1585

Delta R.T. 0.01 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

Instrument :

BNA_F

ClientSampled :

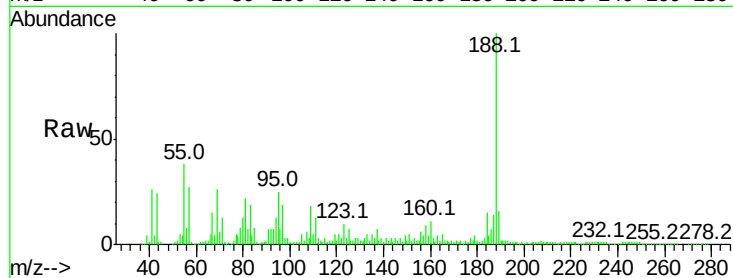
Tot Ion:188 Resp: 363381

Ion Ratio Lower Upper

188 100

94 12.7 8.5 12.7

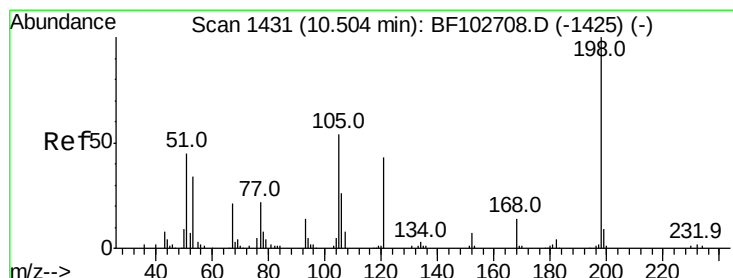
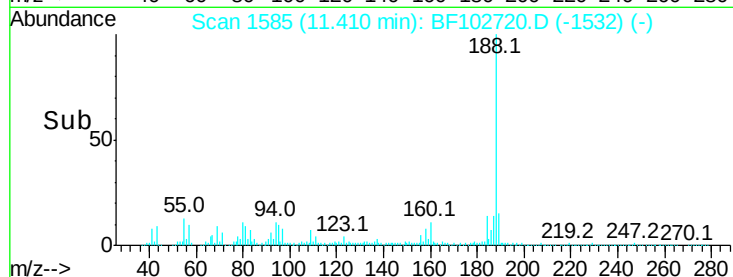
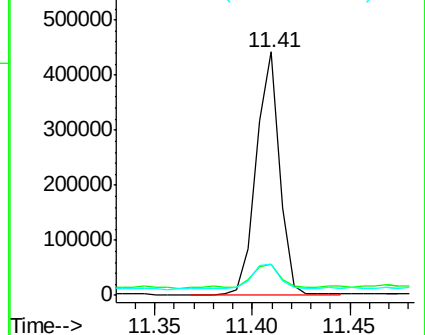
80 13.0 9.2 13.8



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: 8.859 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.03 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

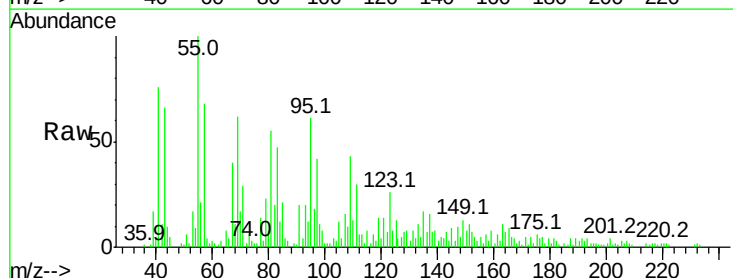
Tgt Ion:198 Resp: 110

Ion Ratio Lower Upper

198 100

51 678.9 37.7 77.7#

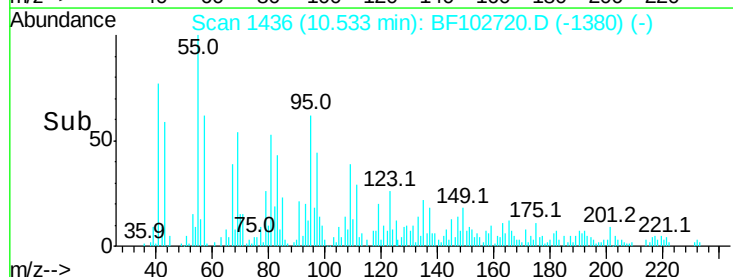
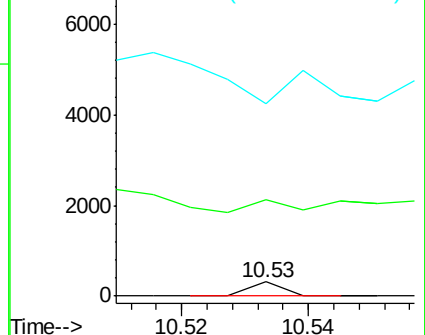
105 1355.6 36.3 76.3#

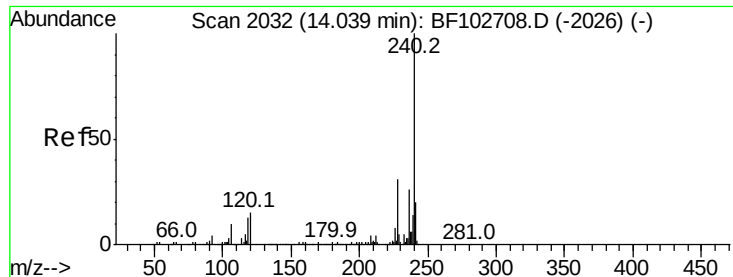


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

Instrument :

BNA_F

ClientSampleId :

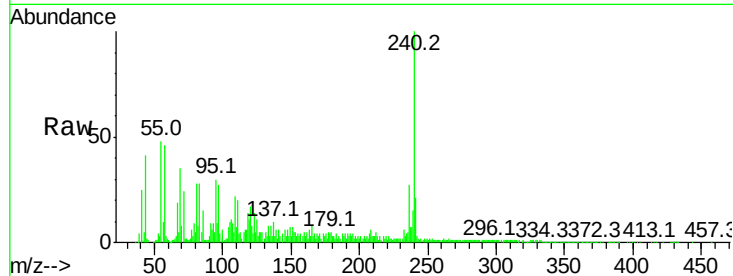
Tot Ion:240 Resp: 251370

Ion Ratio Lower Upper

240 100

120 17.1 9.5 14.3#

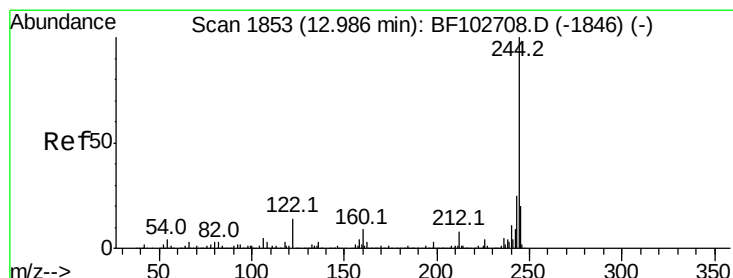
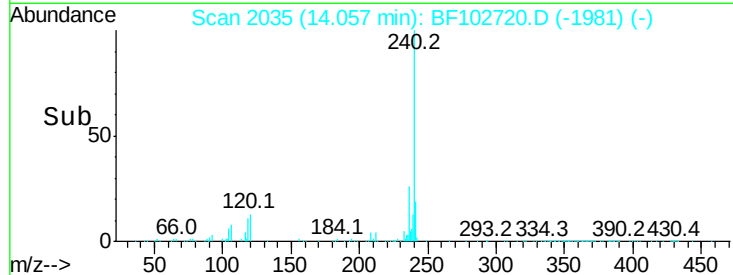
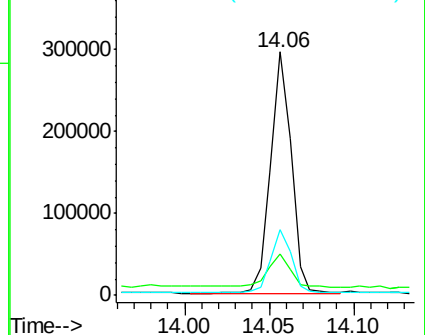
236 27.2 20.7 31.1



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: 66.799 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.02 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

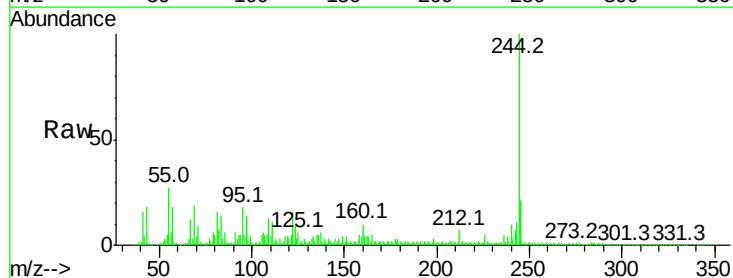
Tgt Ion:244 Resp: 709153

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

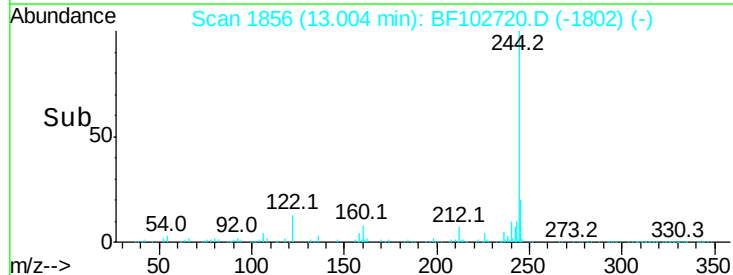
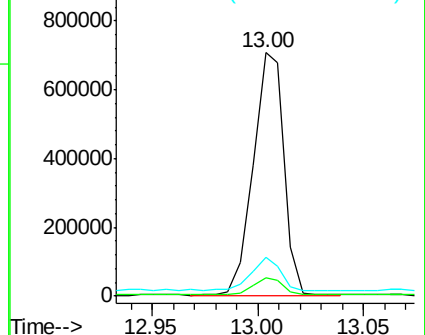
122 16.1 11.0 16.4

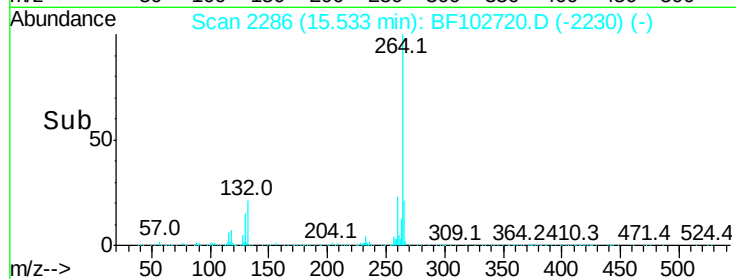
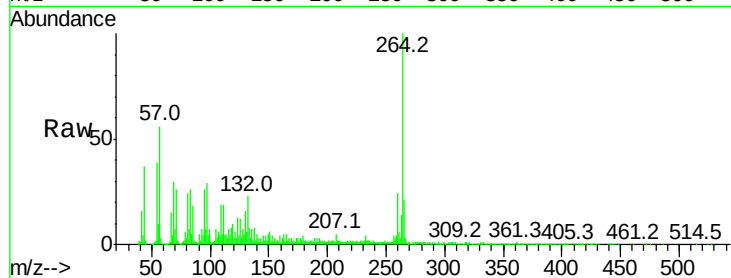
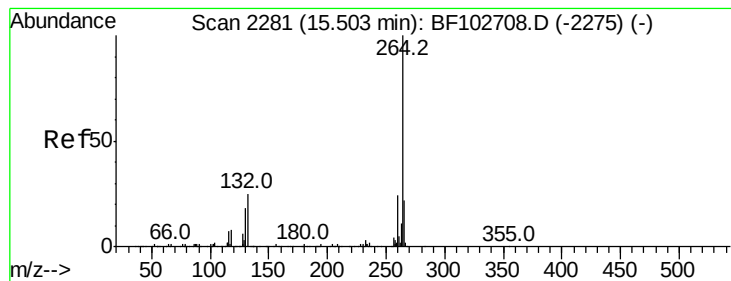


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.53 min Scan# 2286

Delta R.T. 0.03 min

Lab File: BF102720.D

Acq: 3 Feb 2018 16:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 291630

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.4 17.5 26.3

