

Data Path : U:\HPCHEM1\BNA F\DATA\BF020318\
 Data File : BF102723.D
 Acq On : 3 Feb 2018 18:03
 Operator : SJ/JU
 Sample : J1436-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

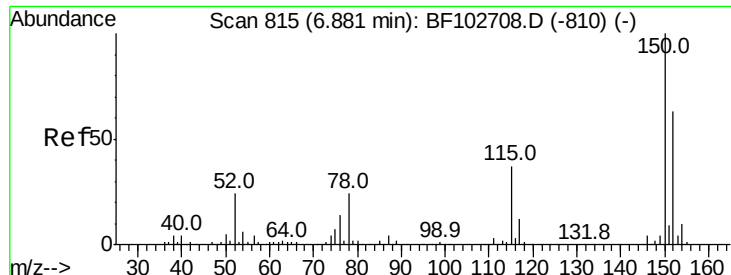
Quant Time: Feb 05 01:25:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	194240	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	793555	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	345937	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	519665	20.00	ng	0.00
75) Chrysene-d12	14.04	240	359267	20.00	ng	0.00
86) Perylene-d12	15.52	264	367881	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1336733	104.51	ng	0.01
7) Phenol-d6	6.50	99	1585225	102.94	ng	0.00
23) Nitrobenzene-d5	7.44	82	954126	83.41	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	295688	106.19	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1551058	74.40	ng	0.00
78) Terphenyl-d14	12.99	244	1065098	70.20	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	77288	4.683	ng	98
19) n-Nitroso-di-n-propylamine	7.44	70	128667	12.672	ng	# 84
24) Nitrobenzene	7.48	77	128	Below Cal		# 38
25) Isophorone	7.44	82	953932	36.215	ng	# 64
32) Benzoic acid	7.82	122	115	8.557	ng	# 1
47) 2-Nitroaniline	9.63	65	1704	3.696	ng	# 1
49) Dimethylphthalate	9.63	163	167386	6.206	ng	99
55) 4-Nitrophenol	10.26	139	112	4.044	ng	# 1
56) 2,4-Dinitrotoluene	9.92	165	43914	9.047	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	565	9.034	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	19673	3.579	ng	# 1

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

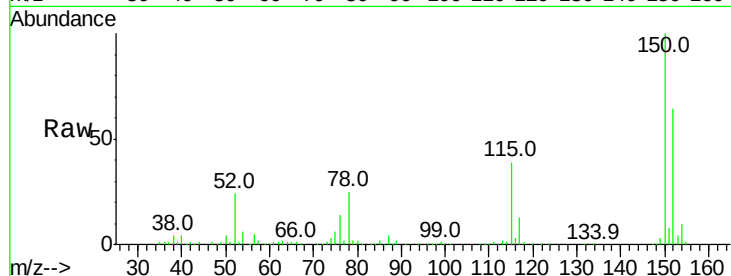


#1

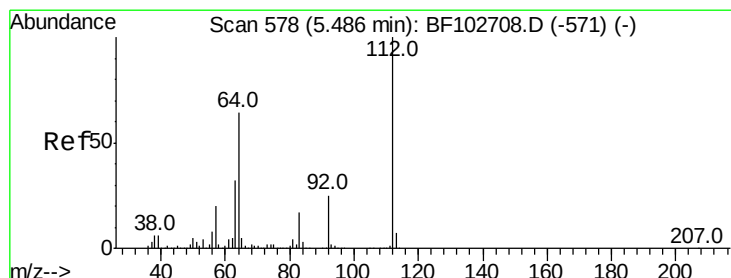
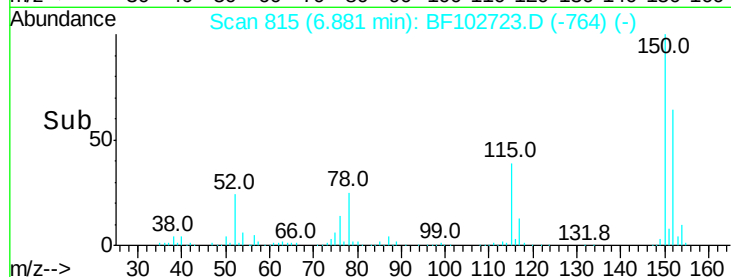
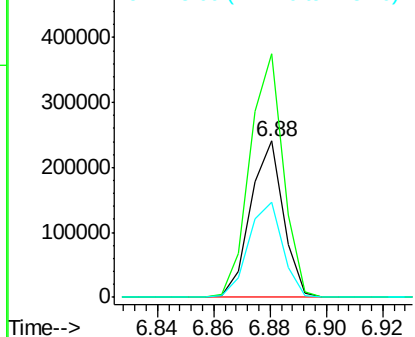
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102723.D
Acq: 3 Feb 2018 18:03

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 194240
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 60.6 50.1 75.1



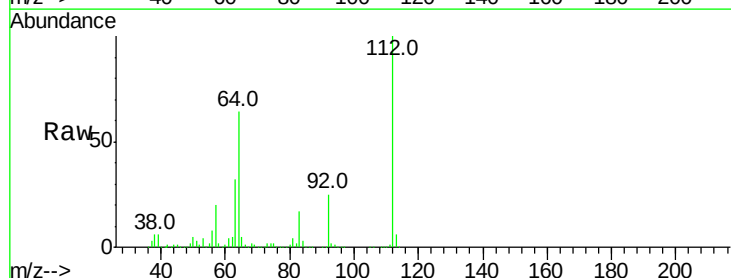
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



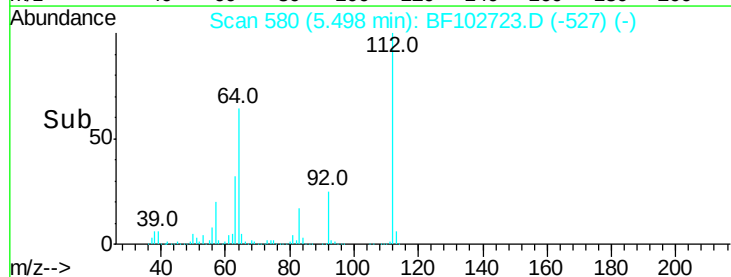
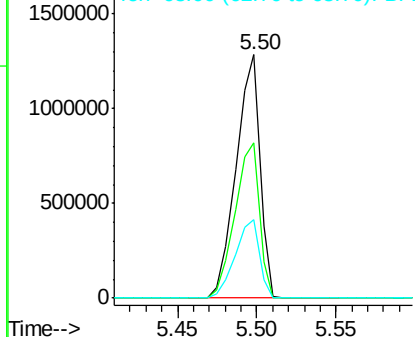
#5

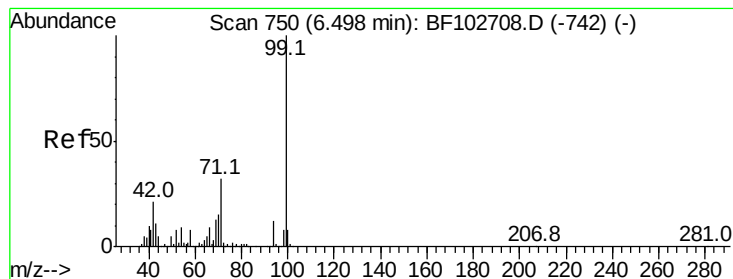
2-Fluorophenol
Concen: 104.513 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102723.D
Acq: 3 Feb 2018 18:03

Tgt Ion:112 Resp: 1336733
Ion Ratio Lower Upper
112 100
64 63.7 47.9 71.9
63 32.4 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: 102.935 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF102723.D

Acq: 3 Feb 2018 18:03

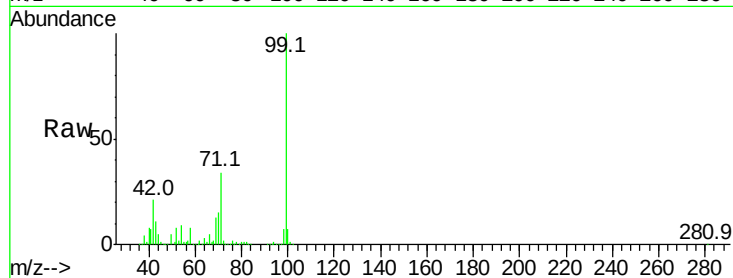
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1585225

Ion	Ratio	Lower	Upper
99	100		
42	20.5	14.5	21.7
71	33.9	25.4	38.0

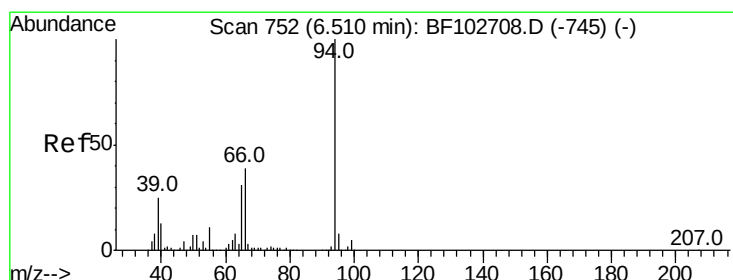
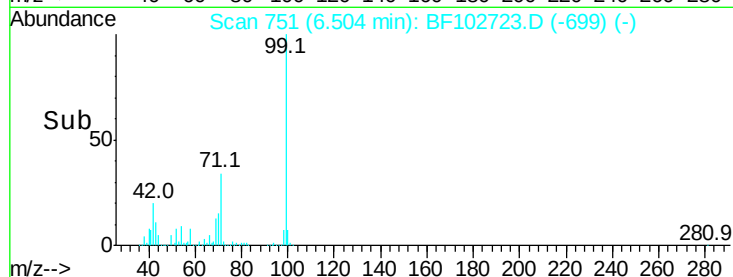
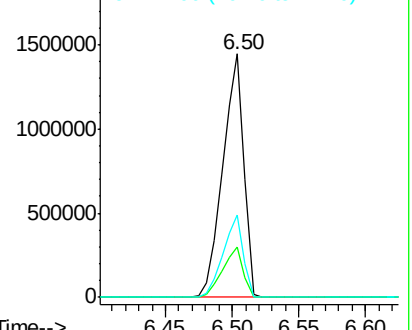


Abundance

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



#10

Phenol

Concen: 4.683 ng

RT: 6.52 min Scan# 753

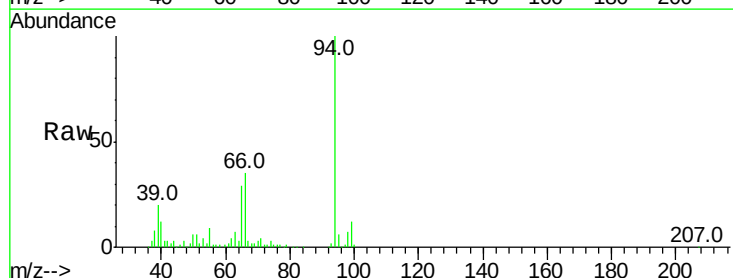
Delta R.T. 0.01 min

Lab File: BF102723.D

Acq: 3 Feb 2018 18:03

Tgt Ion: 94 Resp: 77288

Ion	Ratio	Lower	Upper
94	100		
65	28.7	7.9	47.9
66	35.3	16.2	56.2

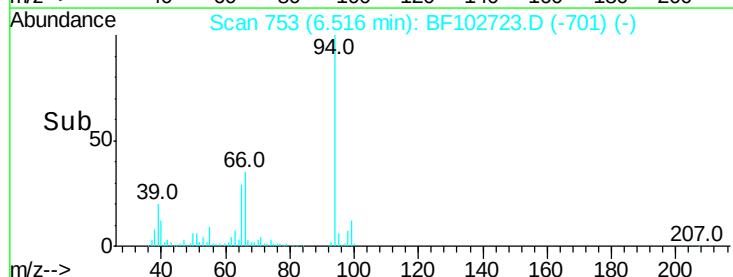
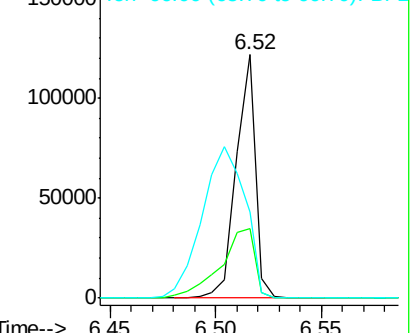


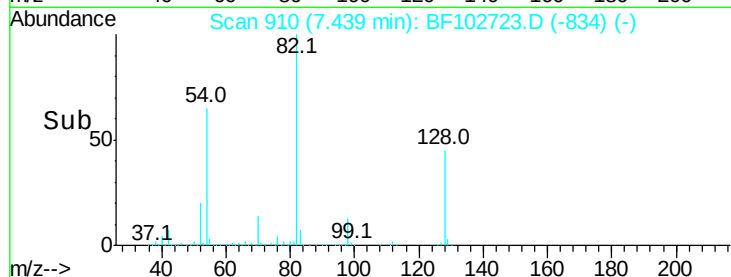
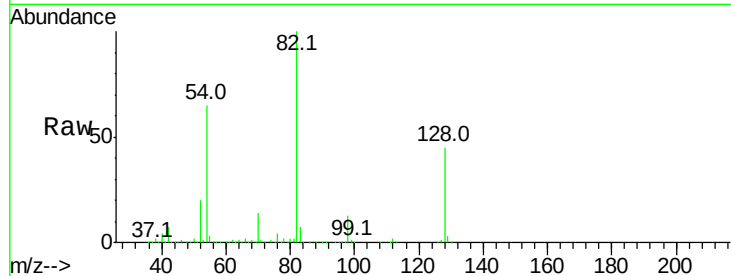
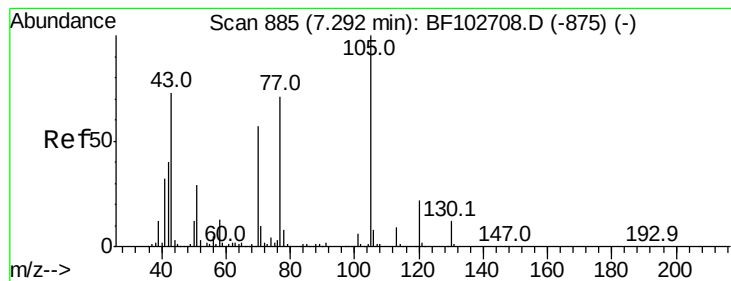
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.672 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF102723.D

Acq: 3 Feb 2018 18:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 128667

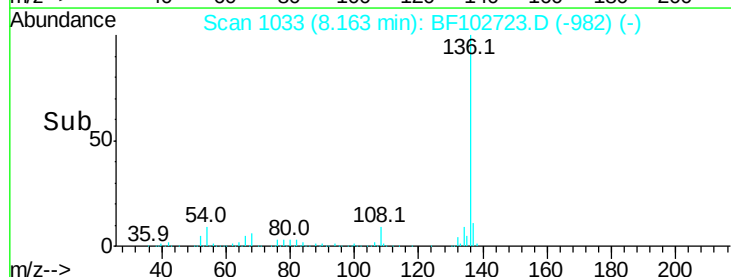
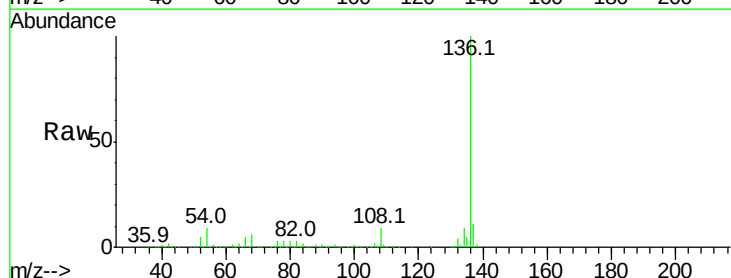
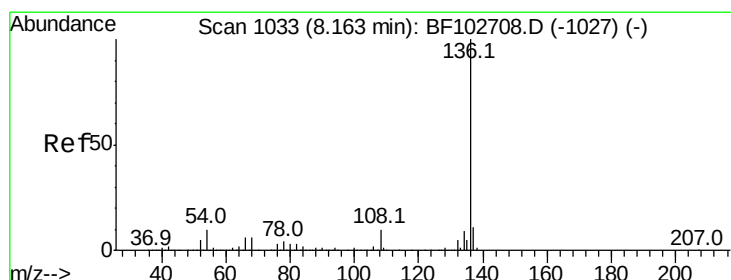
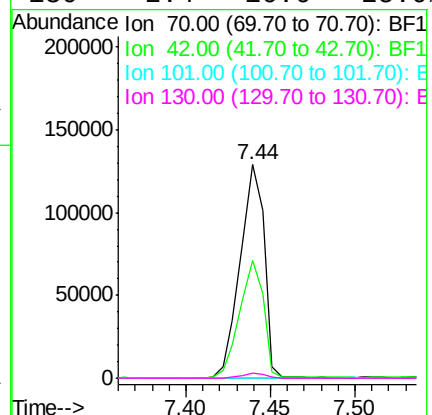
Ion Ratio Lower Upper

70 100

42 55.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 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: BF102723.D

Acq: 3 Feb 2018 18:03

Tgt Ion: 136 Resp: 793555

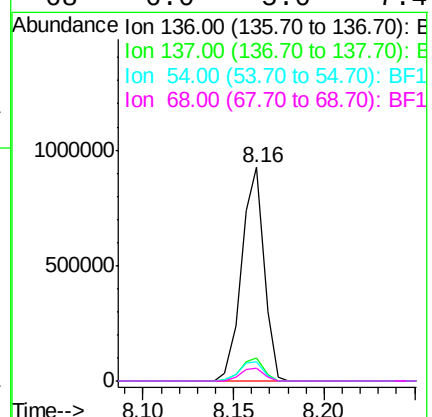
Ion Ratio Lower Upper

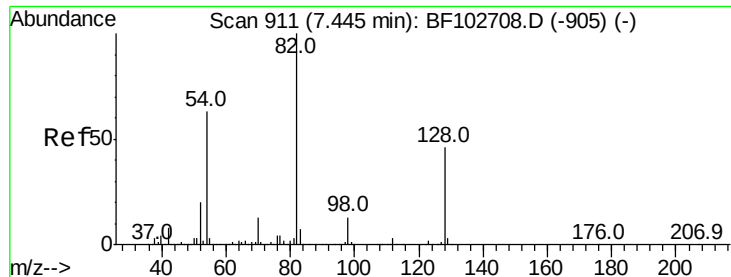
136 100

137 11.0 8.9 13.3

54 9.2 6.6 9.8

68 6.0 5.0 7.4

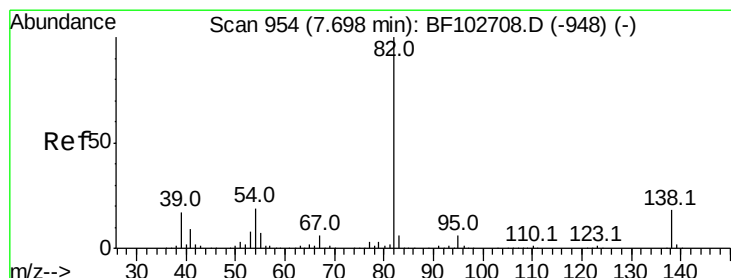
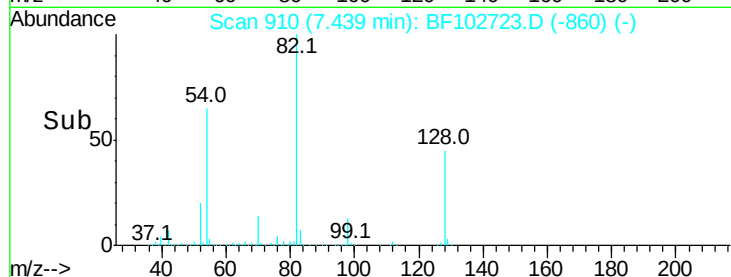
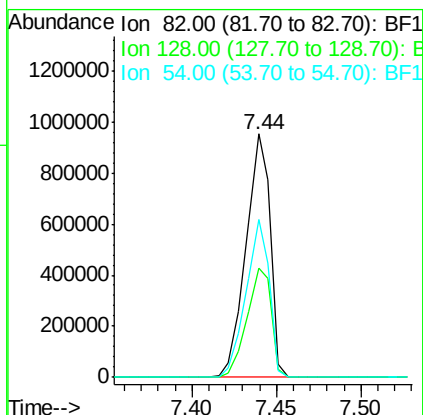
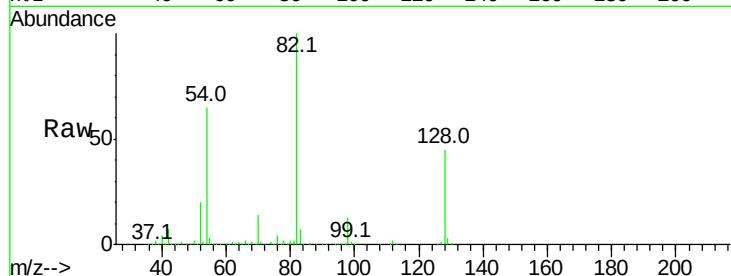




#23
 Nitrobenzene-d5
 Concen: 83.407 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF102723.D
 Acq: 3 Feb 2018 18:03

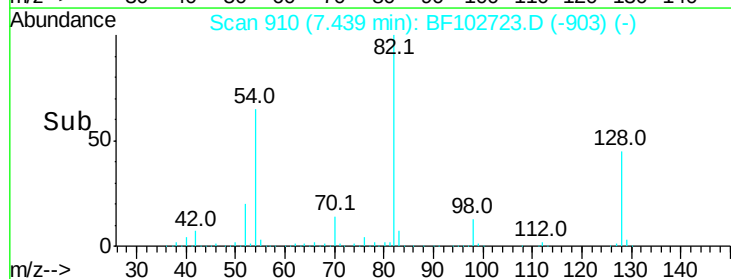
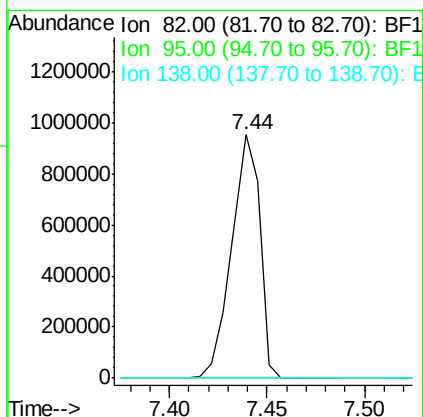
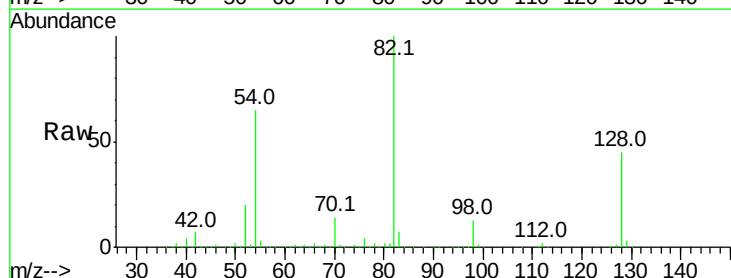
Instrument :
 BNA_F
 ClientSampleId :

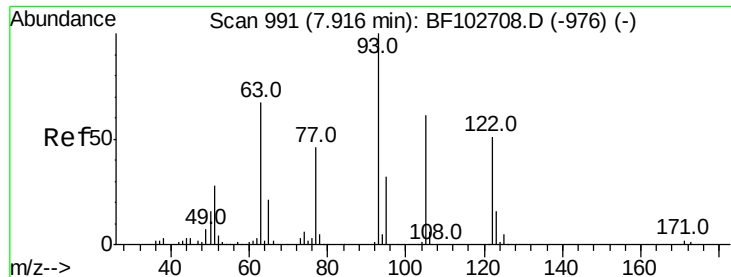
Tot Ion: 82 Resp: 954126
 Ion Ratio Lower Upper
 82 100
 128 45.1 36.1 54.1
 54 64.6 41.4 62.2#



#25
 Isophorone
 Concen: 36.215 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF102723.D
 Acq: 3 Feb 2018 18:03

Tgt Ion: 82 Resp: 953932
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.2 7.8#
 138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 8.557 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.10 min

Lab File: BF102723.D

Acq: 3 Feb 2018 18:03

Instrument :

BNA_F

ClientSampled :

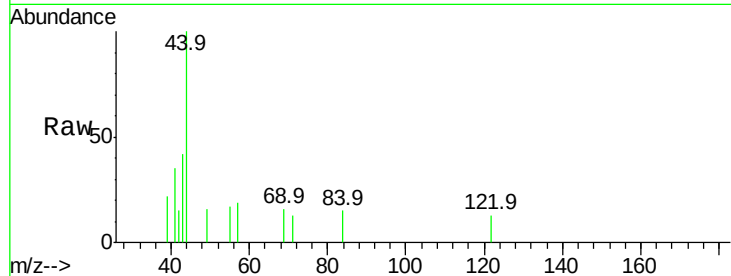
Tot Ion:122 Resp: 115

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

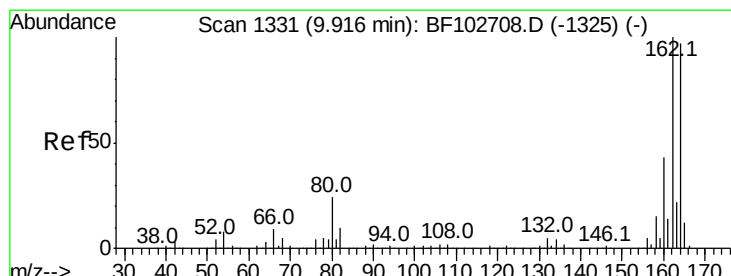
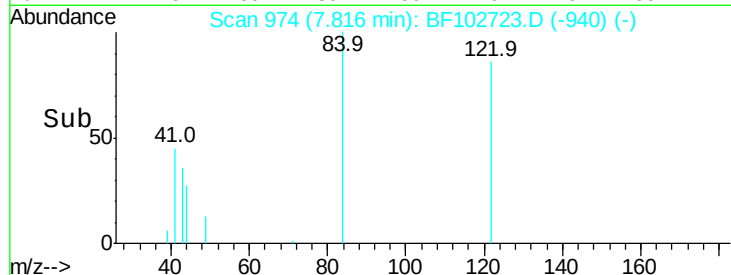
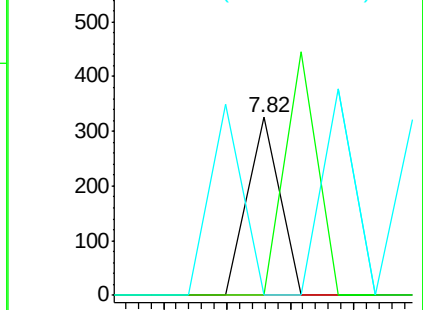
77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): 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. 0.00 min

Lab File: BF102723.D

Acq: 3 Feb 2018 18:03

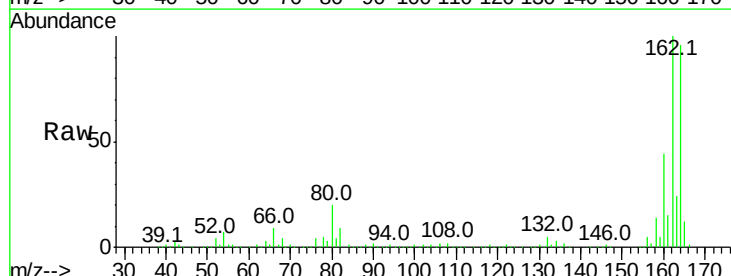
Tgt Ion:164 Resp: 345937

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

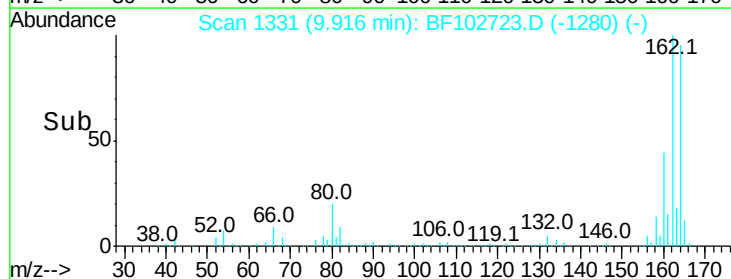
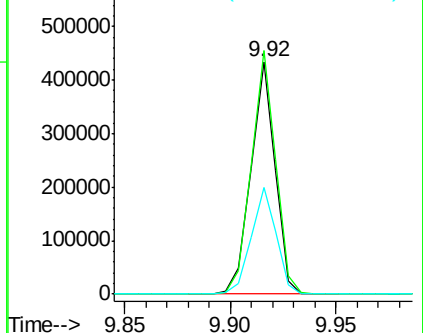
160 45.9 38.3 57.5

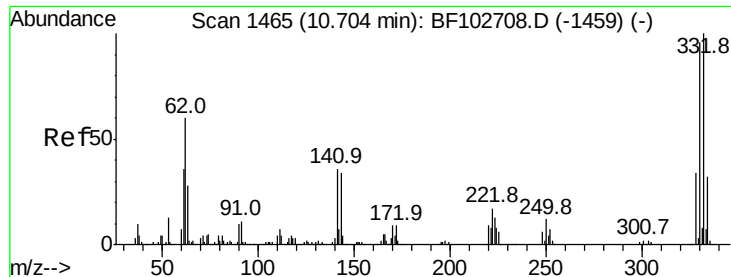


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

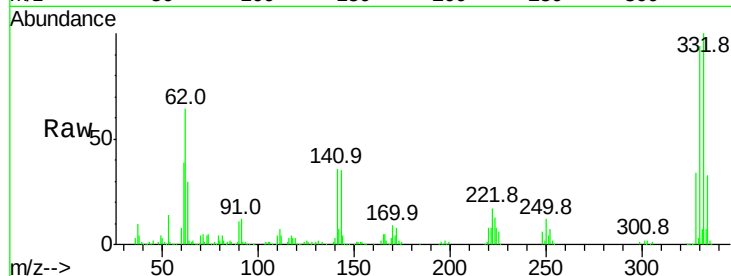




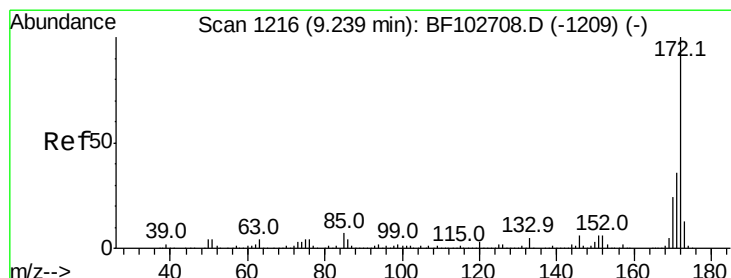
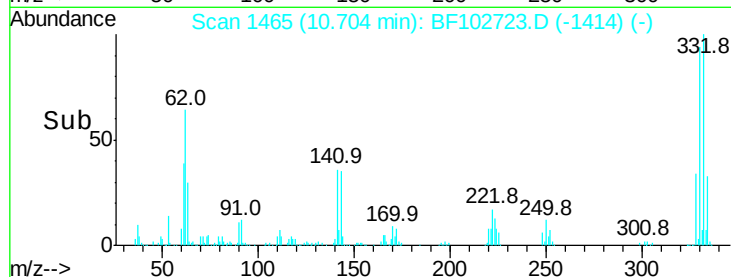
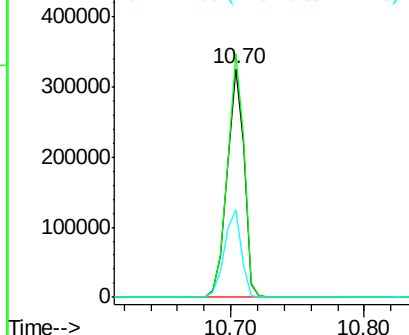
#41
 2,4,6-Tribromophenol
 Concen: 106.195 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF102723.D
 Acq: 3 Feb 2018 18:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.4	77.0	115.6
141	38.9	29.9	44.9

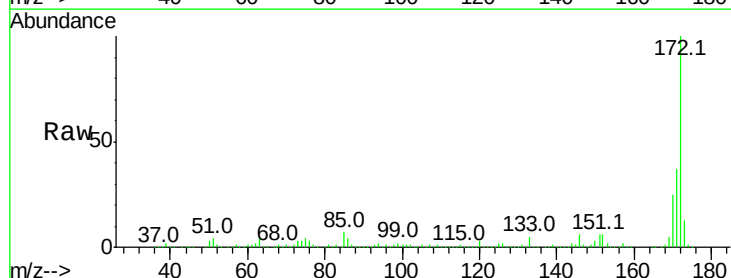


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

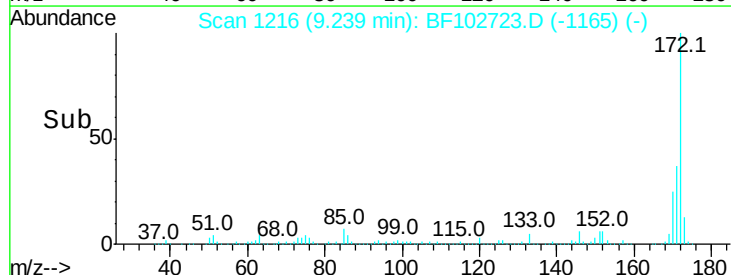
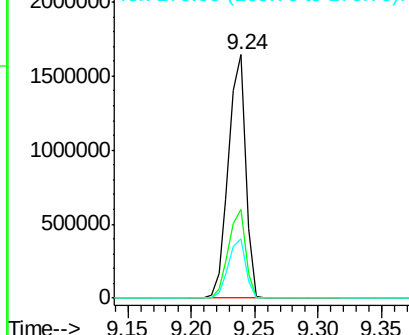


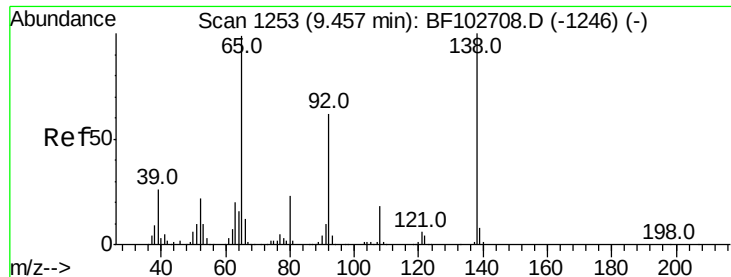
#44
 2-Fluorobiphenyl
 Concen: 74.400 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: BF102723.D
 Acq: 3 Feb 2018 18:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.5	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: 3.696 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.17 min

Lab File: BF102723.D

Acq: 3 Feb 2018 18:03

Instrument :

BNA_F

ClientSampleId :

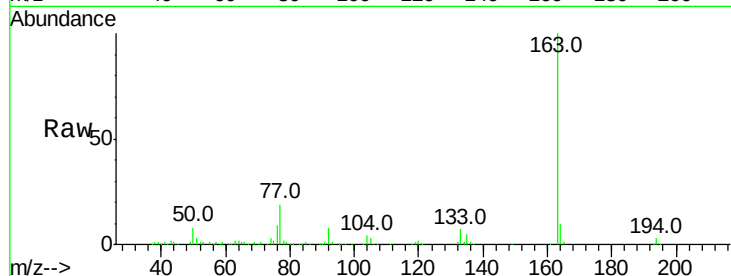
Tot Ion: 65 Resp: 1704

Ion Ratio Lower Upper

65 100

92 834.0 55.8 83.6#

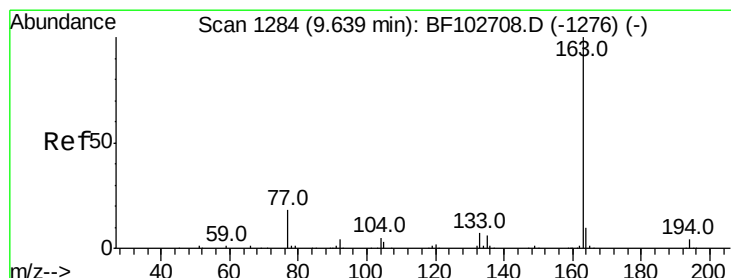
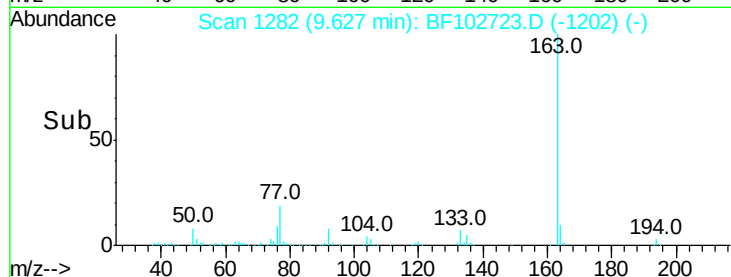
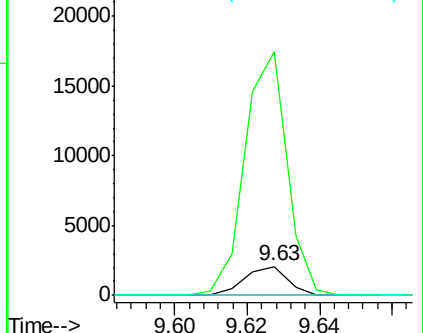
138 0.0 91.2 136.8#



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): BF1



#49

Dimethylphthalate

Concen: 6.206 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF102723.D

Acq: 3 Feb 2018 18:03

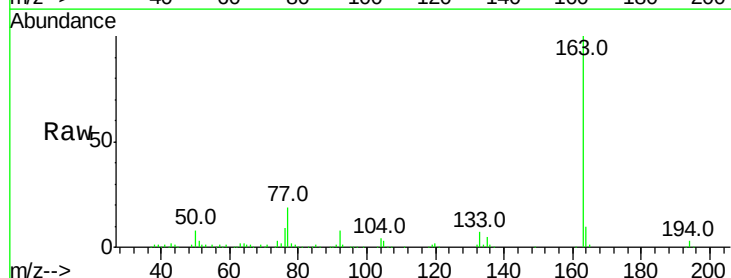
Tgt Ion:163 Resp: 167386

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

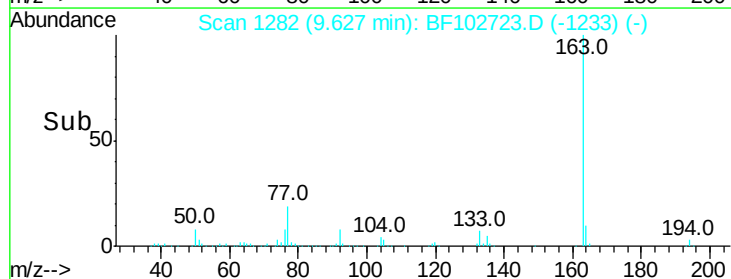
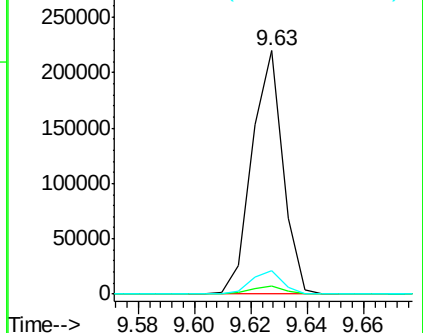
164 9.5 8.2 12.2

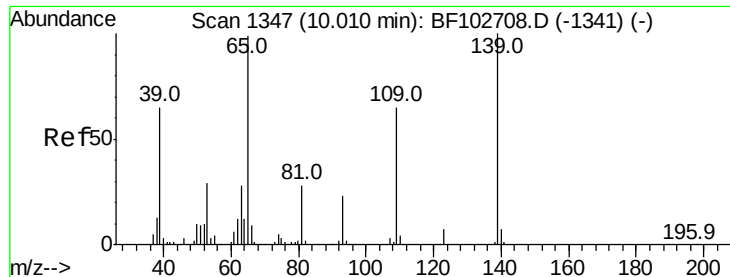


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 4.044 ng

RT: 10.26 min Scan# 1389

Delta R.T. 0.25 min

Lab File: BF102723.D

Acq: 3 Feb 2018 18:03

Instrument :

BNA_F

ClientSampled :

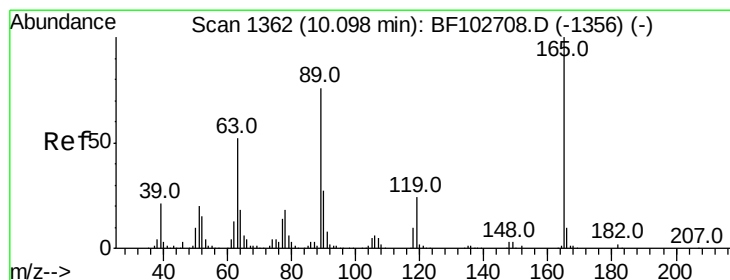
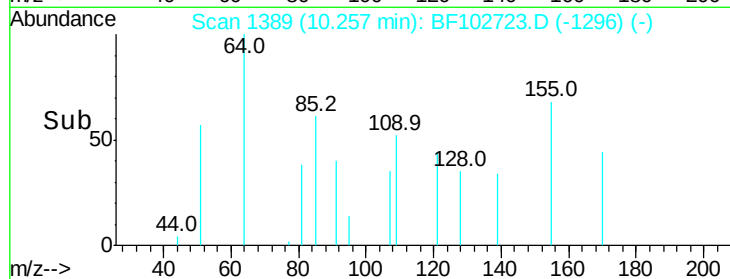
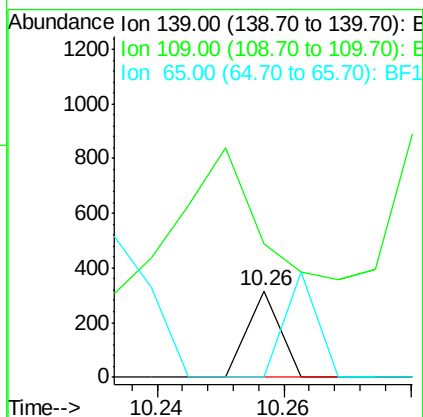
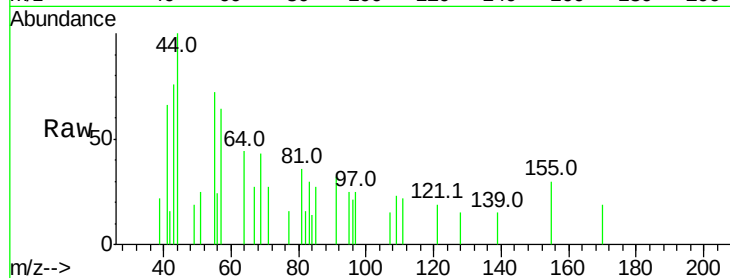
Tot Ion:139 Resp: 112

Ion Ratio Lower Upper

139 100

109 154.4 48.4 88.4#

65 0.0 72.6 112.6#



#56

2,4-Dinitrotoluene

Concen: 9.047 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.18 min

Lab File: BF102723.D

Acq: 3 Feb 2018 18:03

Tgt Ion:165 Resp: 43914

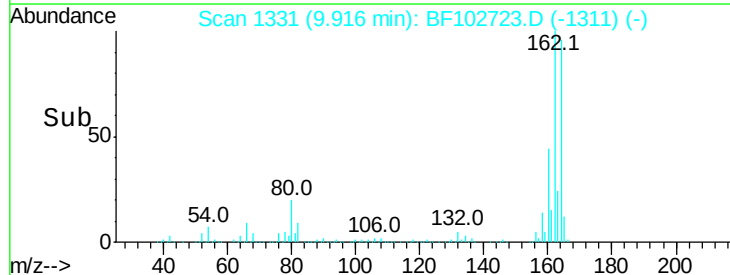
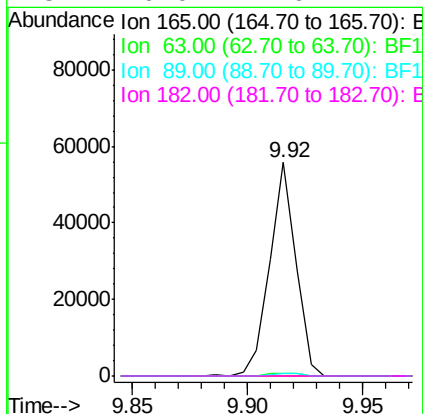
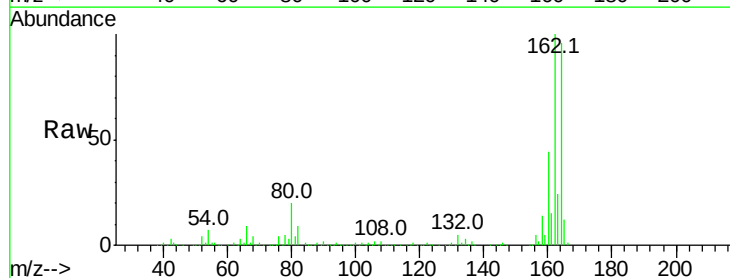
Ion Ratio Lower Upper

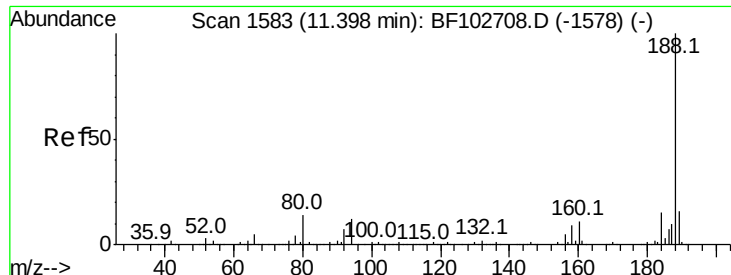
165 100

63 1.1 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

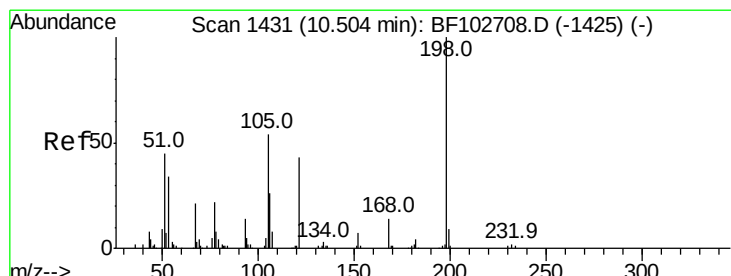
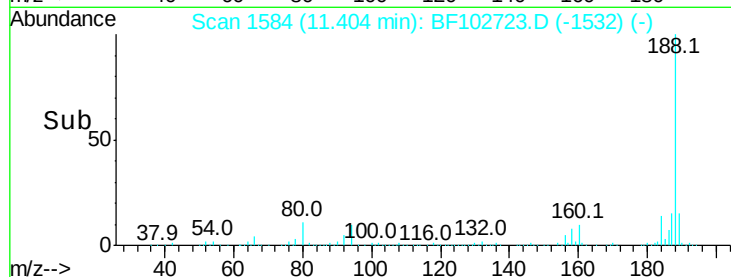
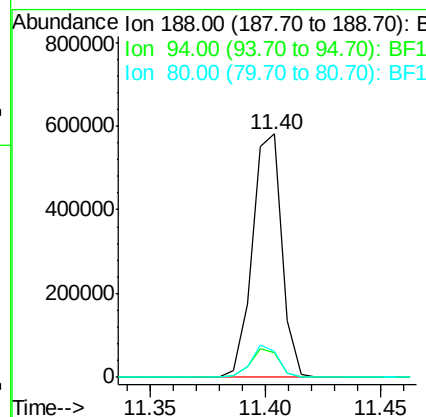
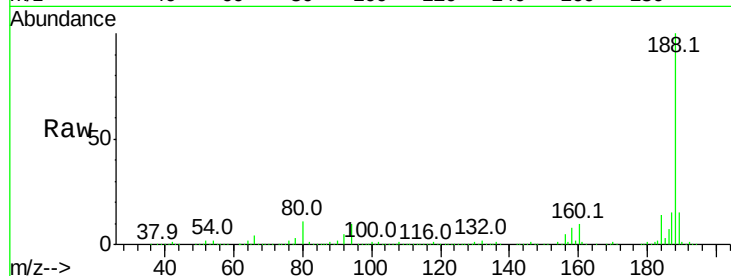




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: BF102723.D
 Acq: 3 Feb 2018 18:03

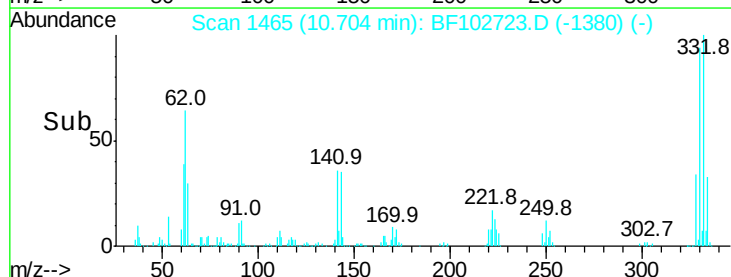
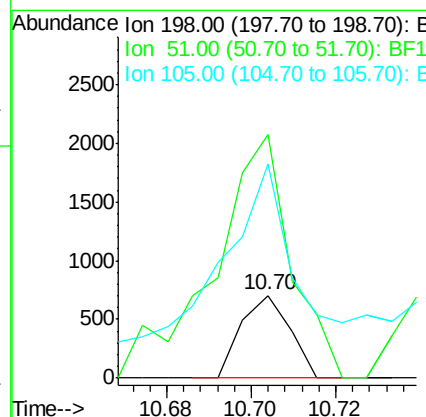
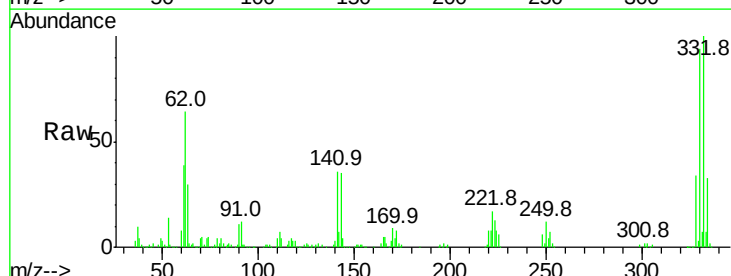
Instrument :
 BNA_F
 ClientSampled :

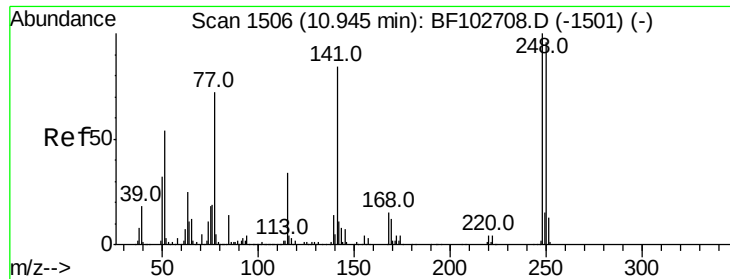
Tot Ion:188 Resp: 519665
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.5 12.7
 80 10.8 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.034 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.20 min
 Lab File: BF102723.D
 Acq: 3 Feb 2018 18:03

Tgt Ion:198 Resp: 565
 Ion Ratio Lower Upper
 198 100
 51 294.2 37.7 77.7#
 105 258.3 36.3 76.3#

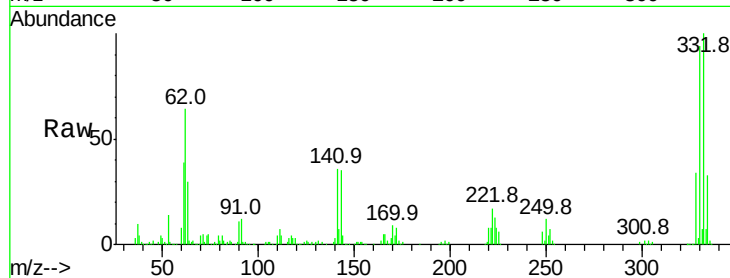




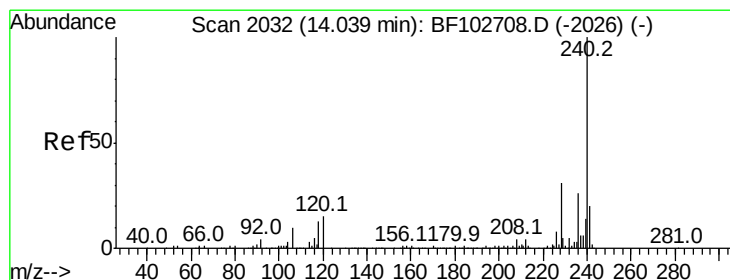
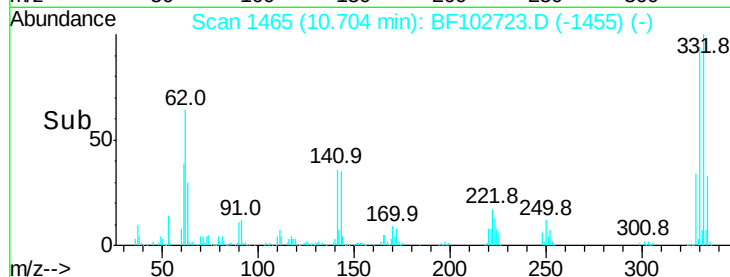
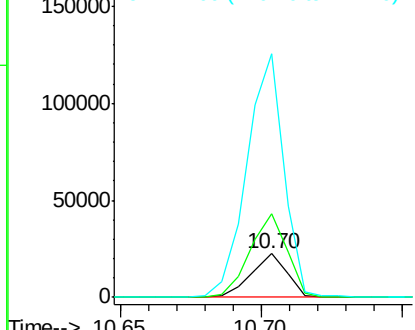
#66
4-Bromophenyl-phenylether
Concen: 3.579 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.24 min
Lab File: BF102723.D
Acq: 3 Feb 2018 18:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 19673
Ion Ratio Lower Upper
248 100
250 190.7 76.9 115.3#
141 559.2 74.4 111.6#

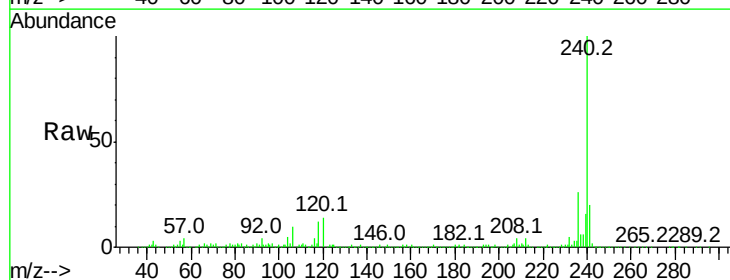


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

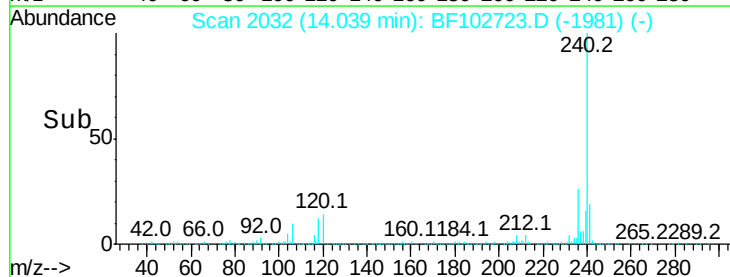
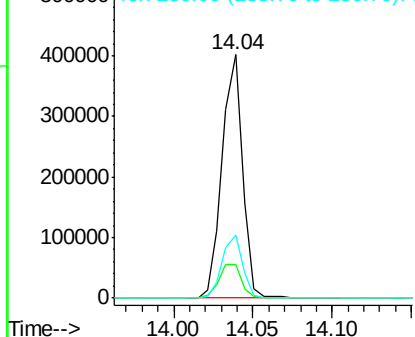


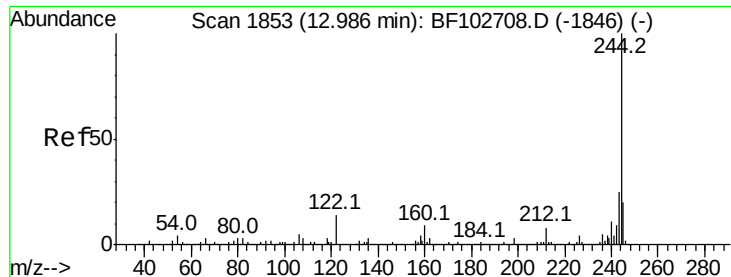
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF102723.D
Acq: 3 Feb 2018 18:03

Tgt Ion:240 Resp: 359267
Ion Ratio Lower Upper
240 100
120 14.1 9.5 14.3
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 70.196 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF102723.D

Acq: 3 Feb 2018 18:03

Instrument :

BNA_F

ClientSampleId :

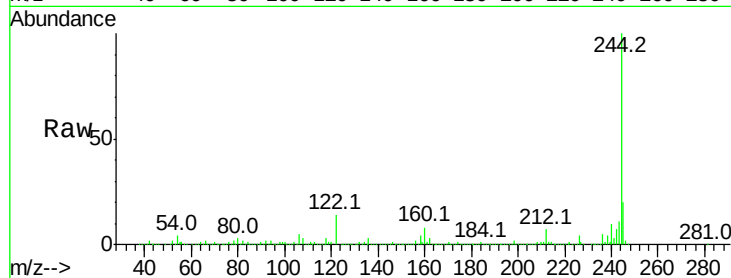
Tot Ion:244 Resp: 1065098

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

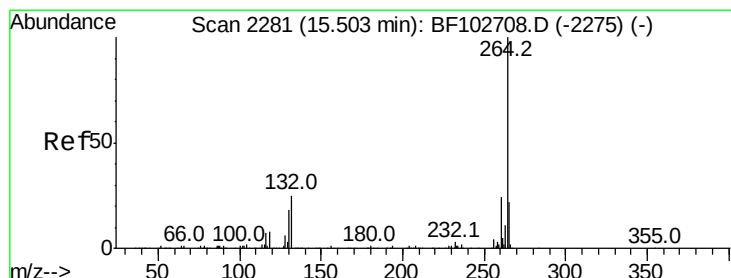
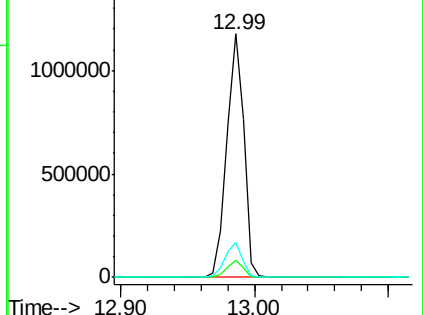
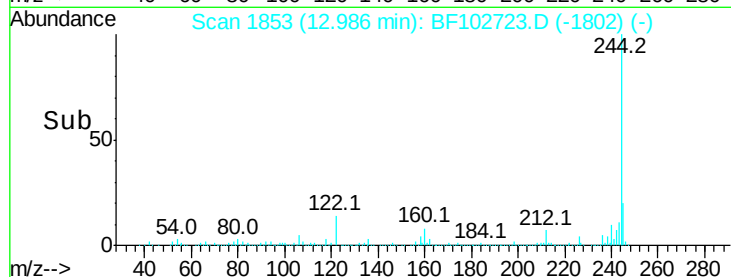
122 14.5 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF102723.D

Acq: 3 Feb 2018 18:03

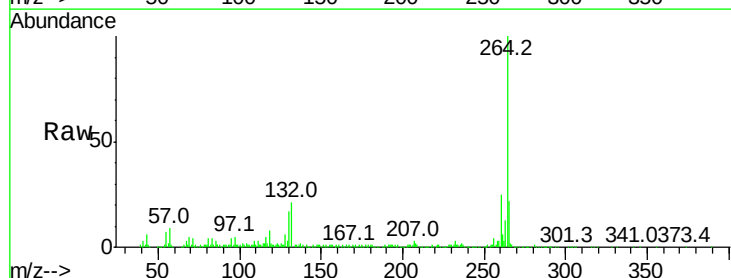
Tgt Ion:264 Resp: 367881

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

265 21.9 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

