

Data File : BF100739.D
Acq On : 20 Nov 2017 19:26
Operator : SJ/JU
Sample : I6521-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-(0-12)

Quant Time: Nov 21 03:28:55 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	99956	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	395646	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	188130	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	376154	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	291399	20.00	ng	-0.02
86) Perylene-d12	15.50	264	206841	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	734918	117.86	ng	0.00
7) Phenol-d6	6.50	99	889782	115.72	ng	0.00
23) Nitrobenzene-d5	7.43	82	549205	91.77	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	253829	132.41	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	1005537	81.39	ng	-0.01
78) Terphenyl-d14	12.98	244	975203	76.90	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.64	77	15414	2.81	ng	84
10) Phenol	6.51	94	28000	3.47	ng	97
19) n-Nitroso-di-n-propylamine	7.43	70	71718	13.45	ng	# 79
25) Isophorone	7.43	82	549199	43.67	ng	# 64
32) Benzoic acid	7.85	122	252	9.42	ng	# 1
47) 2-Nitroaniline	9.62	65	779	2.99	ng	# 1
49) Dimethylphthalate	9.62	163	93065	6.48	ng	99
56) 2,4-Dinitrotoluene	9.90	165	23771	6.63	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	294	8.70	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	15885	3.94	ng	# 1
74) Fluoranthene	12.60	202	107052	5.10	ng	94
77) Pyrene	12.83	202	89663	4.32	ng	98
80) Benzo(a)anthracene	14.02	228	44071	2.51	ng	98
82) Chrysene	14.06	228	37237	2.19	ng	95
87) Benzo(b)fluoranthene	15.07	252	42196	3.44	ng	99
88) Benzo(k)fluoranthene	15.07	252	42196	3.64	ng	98
89) Benzo(a)pyrene	15.43	252	21915	2.02	ng	98

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

Data File : BF100739.D

Acq On : 20 Nov 2017 19:26

Operator : SJ/JU

Sample : I6521-01

Misc :

ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)

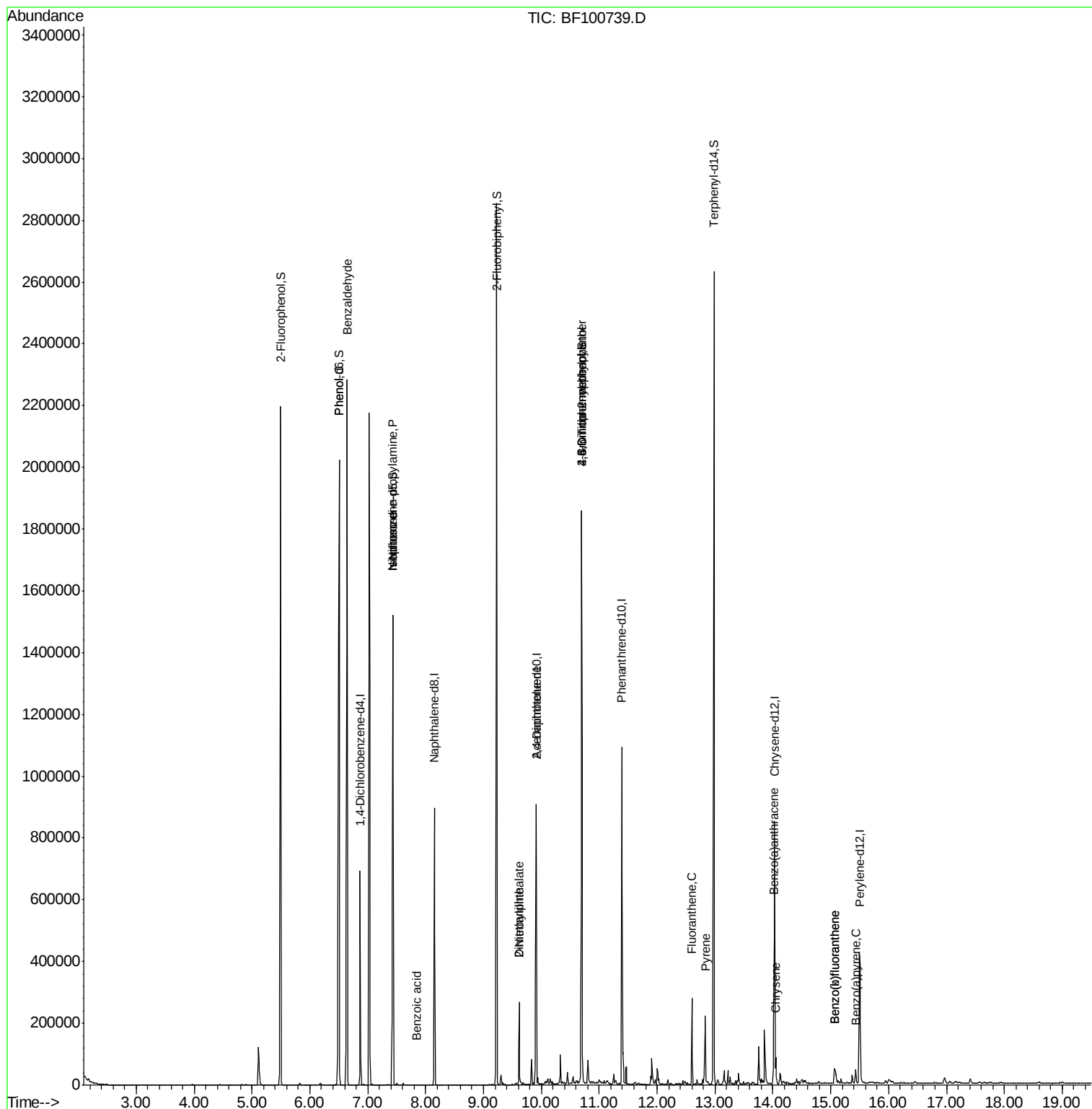
Quant Time: Nov 21 03:28:55 2017

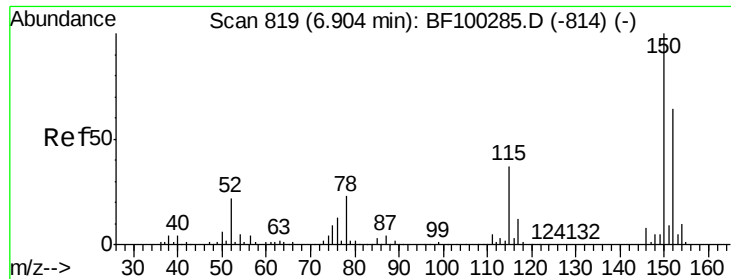
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Nov 17 15:22:08 2017

Response via : Initial Calibration

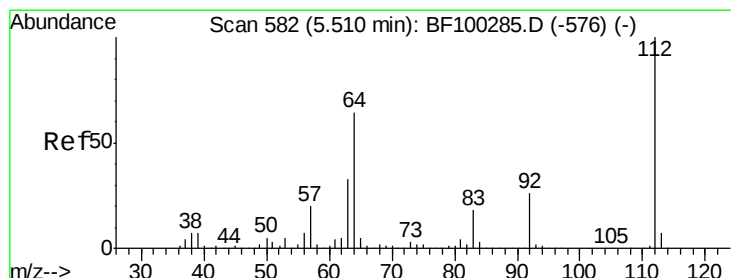
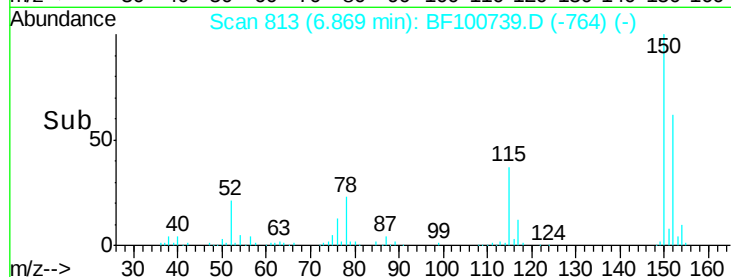
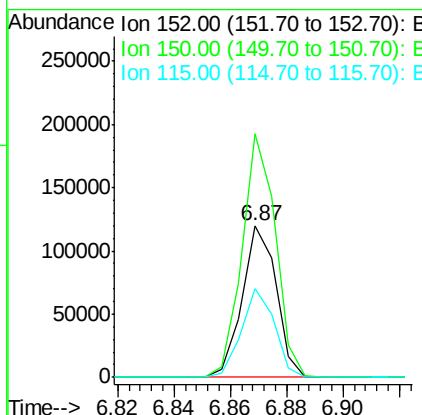
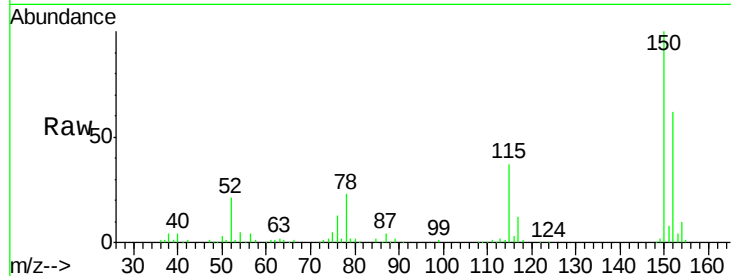




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF100739.D
 Acq: 20 Nov 2017 19:26

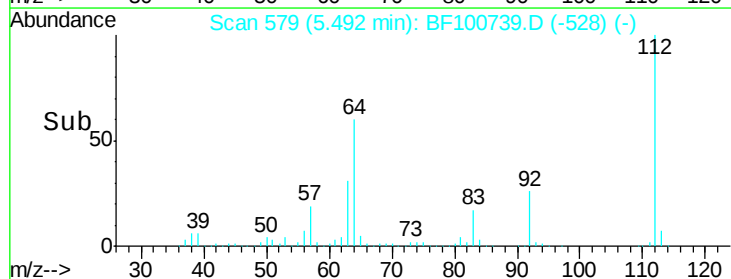
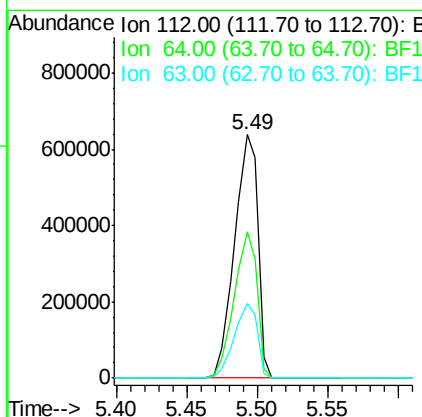
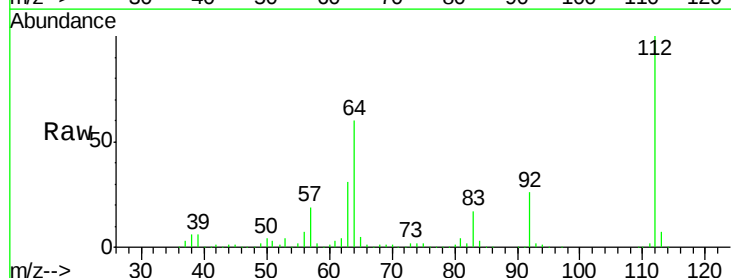
Instrument :
 BNA_F
 ClientSampled :
 MH-(0-12)

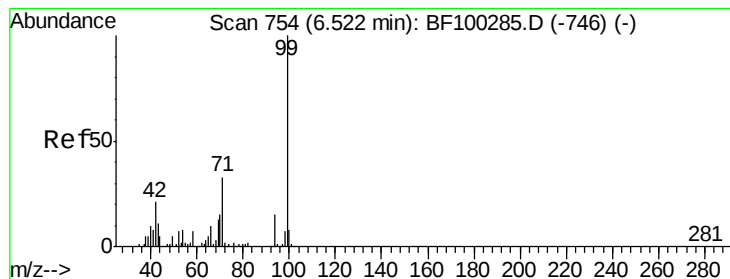
Tgt Ion:152 Resp: 99956
 Ion Ratio Lower Upper
 152 100
 150 160.5 124.6 186.8
 115 58.9 50.1 75.1



#5
 2-Fluorophenol
 Concen: 117.86 ng
 RT: 5.49 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: BF100739.D
 Acq: 20 Nov 2017 19:26

Tgt Ion:112 Resp: 734918
 Ion Ratio Lower Upper
 112 100
 64 60.3 47.9 71.9
 63 30.7 23.7 35.5





#7

Phenol-d6

Concen: 115.72 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)

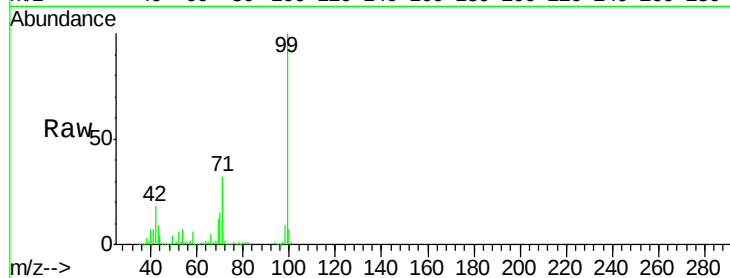
Tgt Ion: 99 Resp: 889782

Ion Ratio Lower Upper

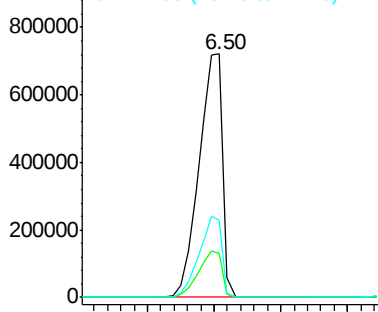
99 100

42 18.0 14.5 21.7

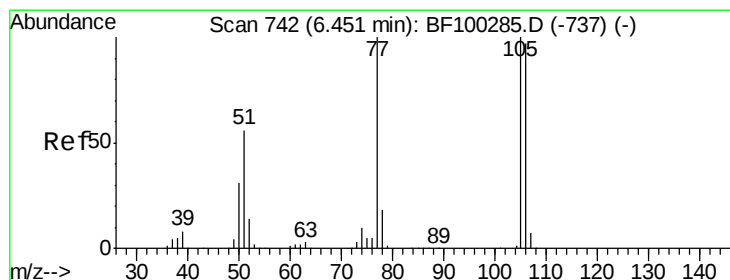
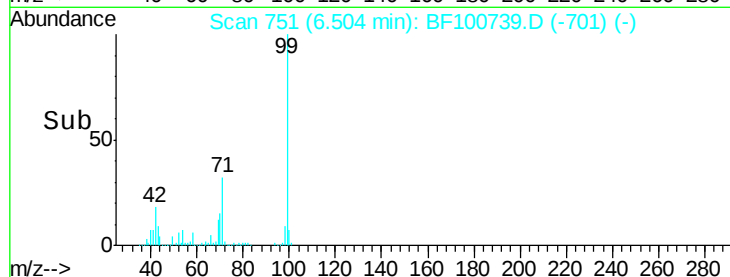
71 31.6 25.4 38.0



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



Time-->



#9

Benzaldehyde

Concen: 2.81 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.21 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

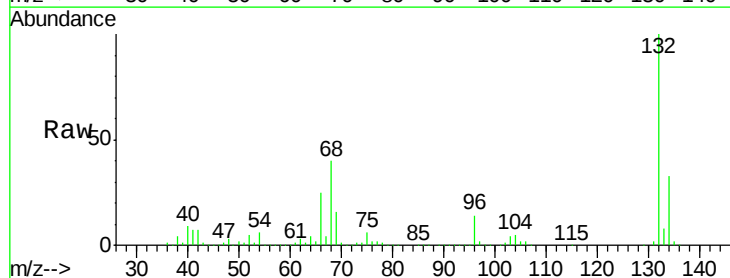
Tgt Ion: 77 Resp: 15414

Ion Ratio Lower Upper

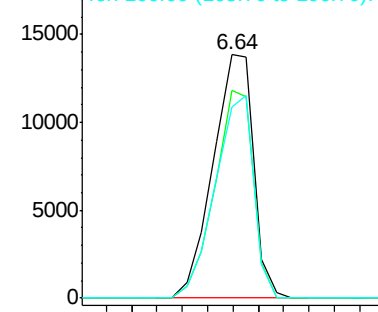
77 100

105 85.5 81.1 121.1

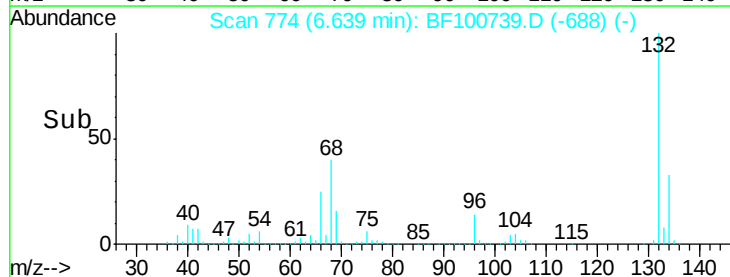
106 78.7 74.5 114.5

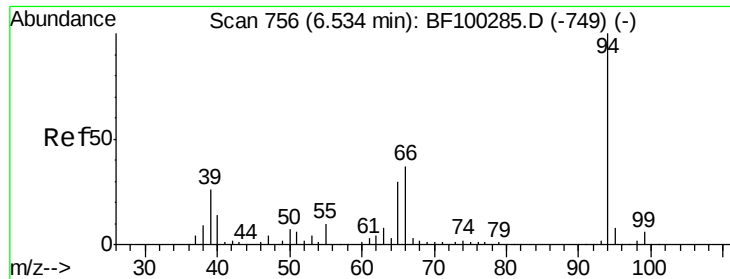


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1



Time-->





#10

Phenol

Concen: 3.47 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)

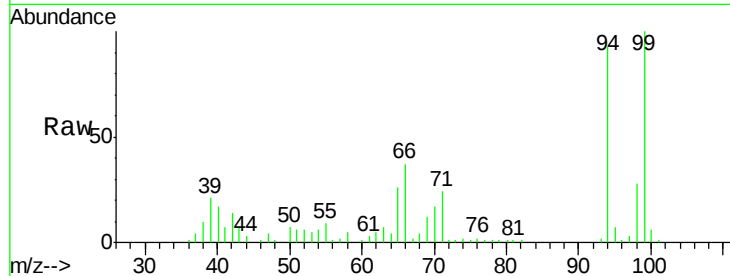
Tgt Ion: 94 Resp: 28000

Ion Ratio Lower Upper

94 100

65 27.6 7.9 47.9

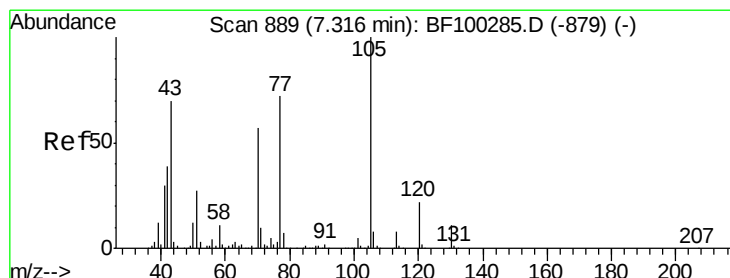
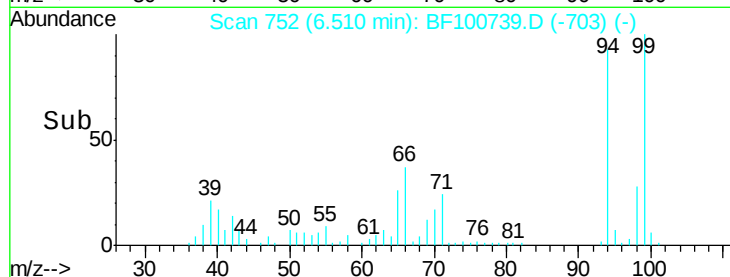
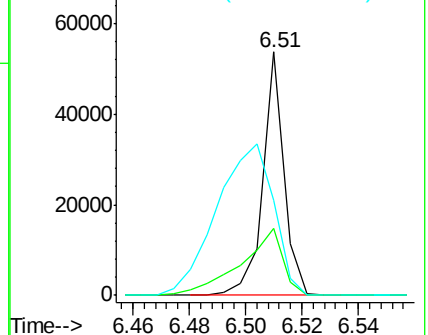
66 39.2 16.2 56.2



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: 13.45 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

Tgt Ion: 70 Resp: 71718

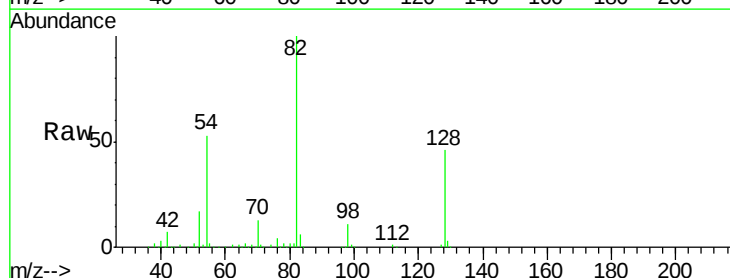
Ion Ratio Lower Upper

70 100

42 49.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

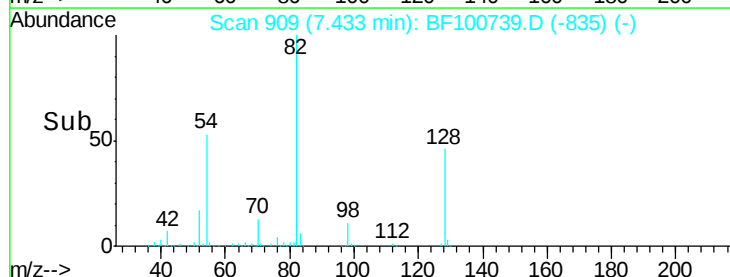
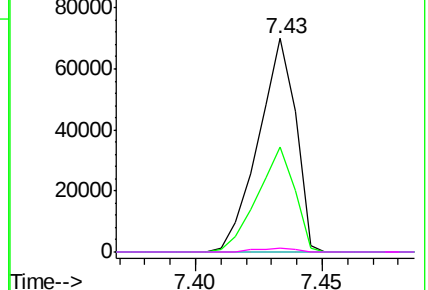


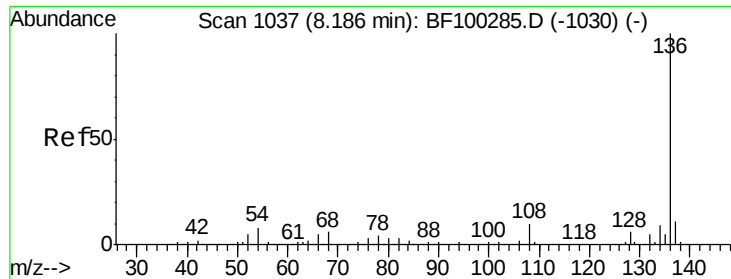
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

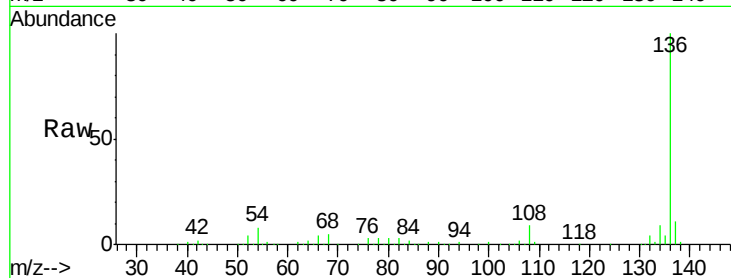




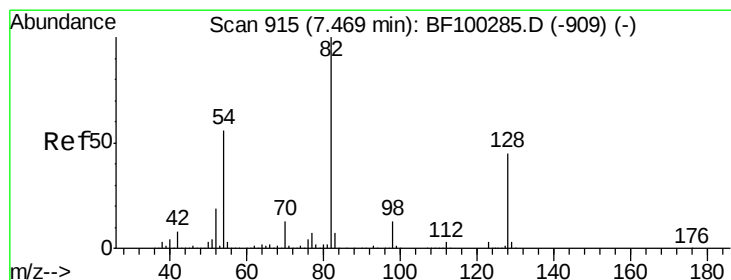
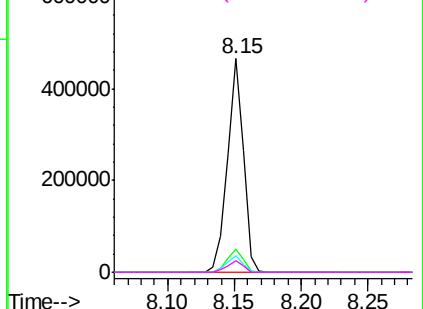
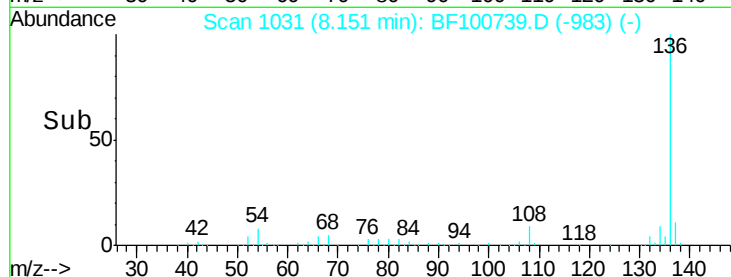
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100739.D
Acq: 20 Nov 2017 19:26

Instrument :
BNA_F
ClientSampleId :
MH-(0-12)

Tgt Ion:	136	Resp:	395646
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.7	6.6	9.8
68	5.3	5.0	7.4

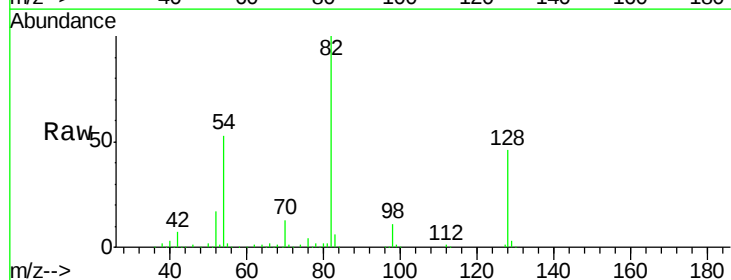


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

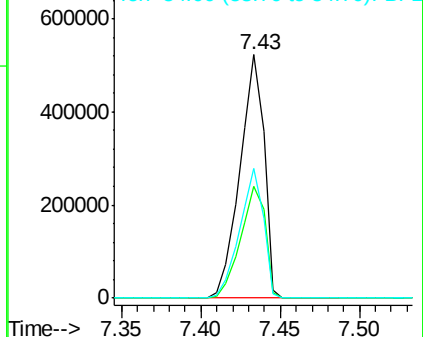
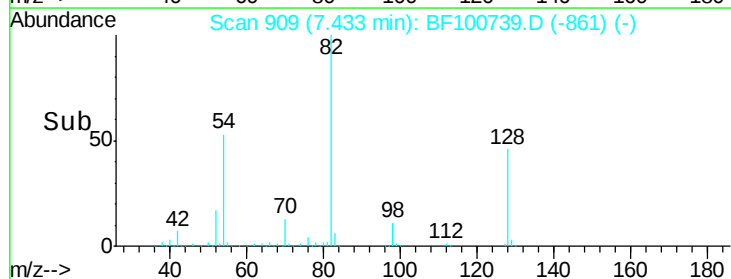


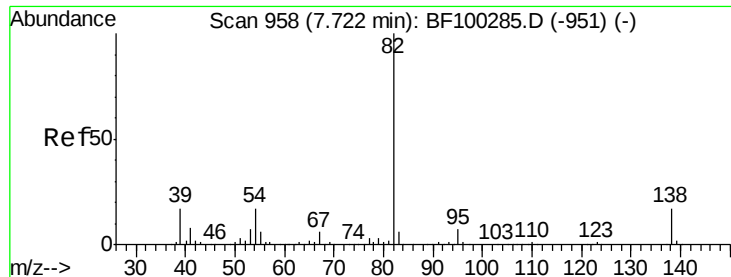
#23
Nitrobenzene-d5
Concen: 91.77 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100739.D
Acq: 20 Nov 2017 19:26

Tgt Ion:	82	Resp:	549205
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	53.2	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: 43.67 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.27 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)

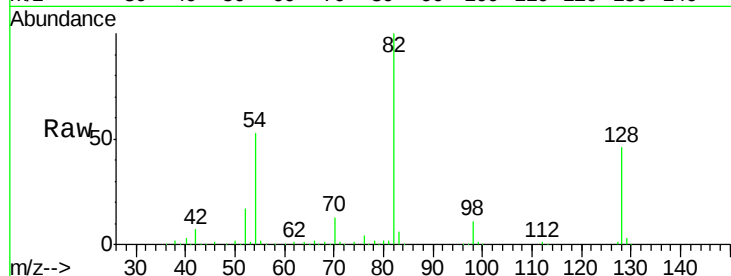
Tgt Ion: 82 Resp: 549199

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

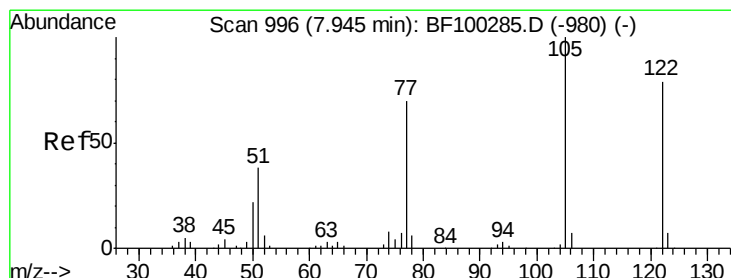
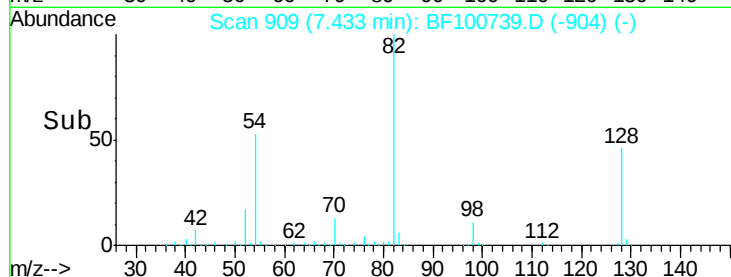
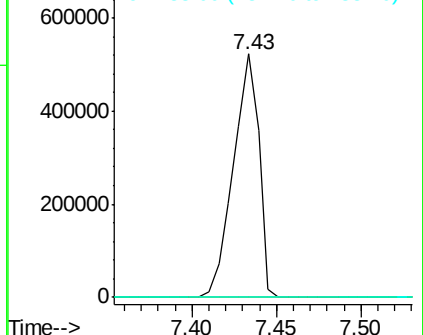
138 0.0 14.9 22.3#



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: 9.42 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.08 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

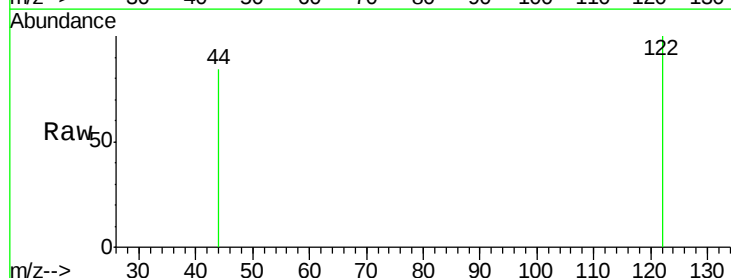
Tgt Ion: 122 Resp: 252

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

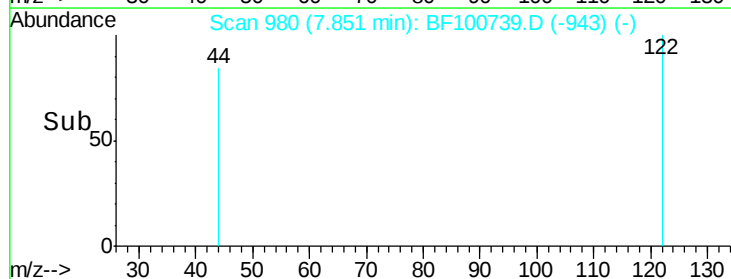
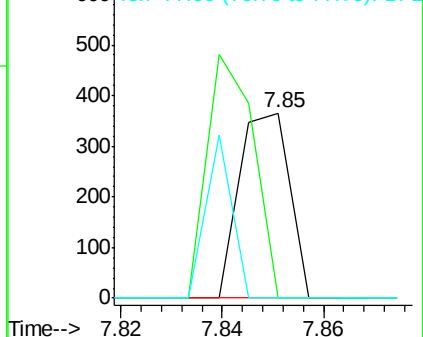
77 0.0 70.7 110.7#

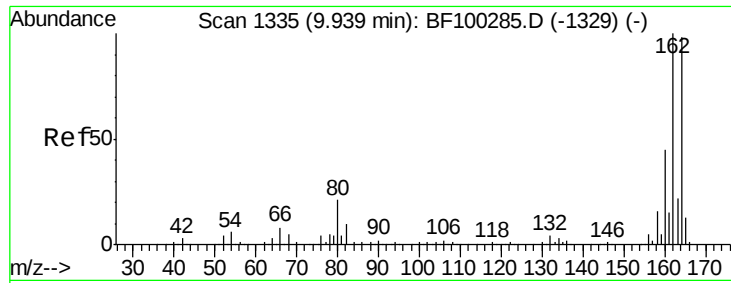


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

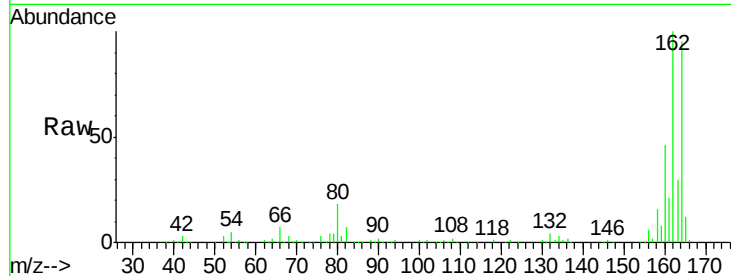




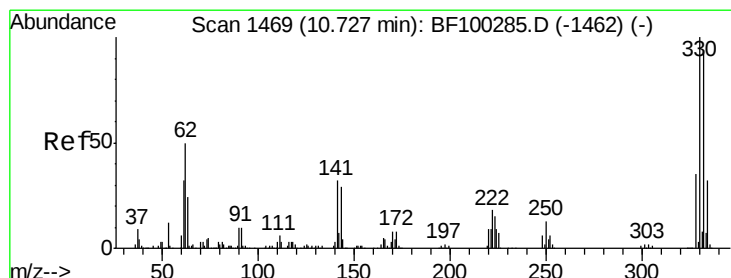
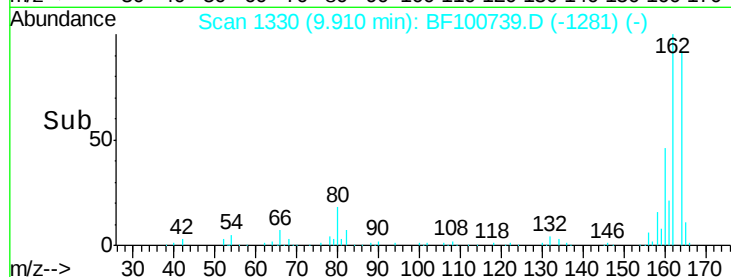
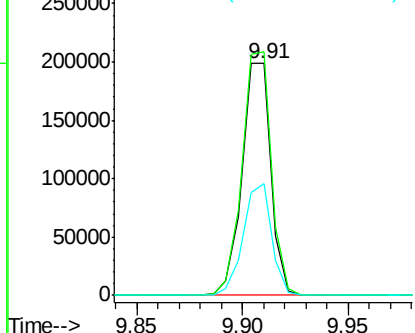
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100739.D
 Acq: 20 Nov 2017 19:26

Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)

Tgt Ion:164 Resp: 188130
 Ion Ratio Lower Upper
 164 100
 162 105.1 86.1 129.1
 160 48.3 38.3 57.5

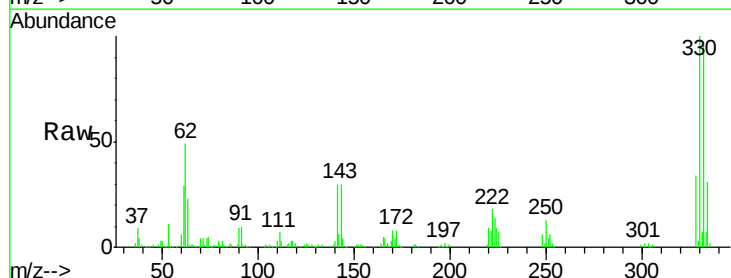


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

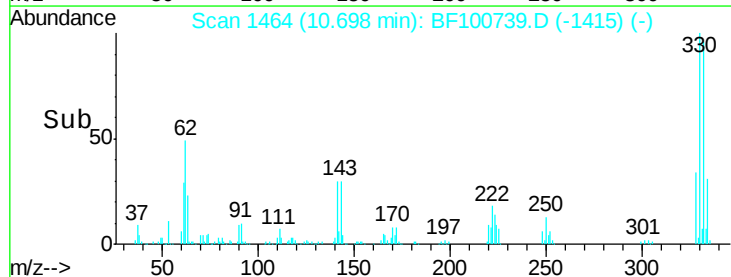
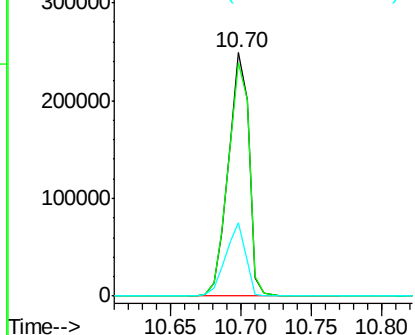


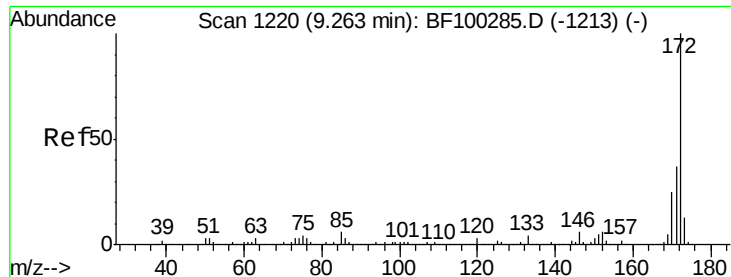
#41
 2,4,6-Tribromophenol
 Concen: 132.41 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100739.D
 Acq: 20 Nov 2017 19:26

Tgt Ion:330 Resp: 253829
 Ion Ratio Lower Upper
 330 100
 332 98.4 77.0 115.6
 141 29.1 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

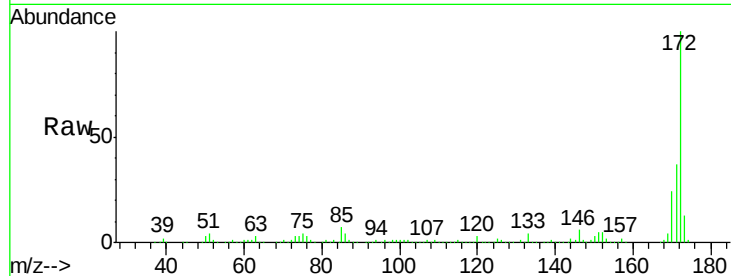




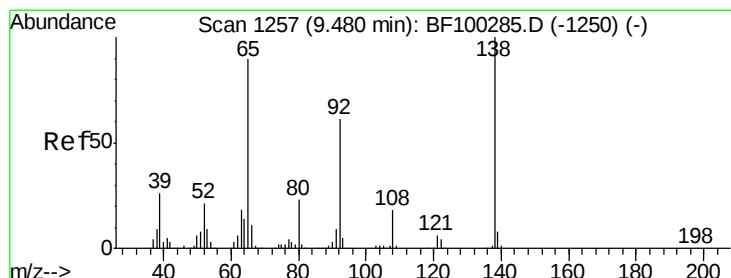
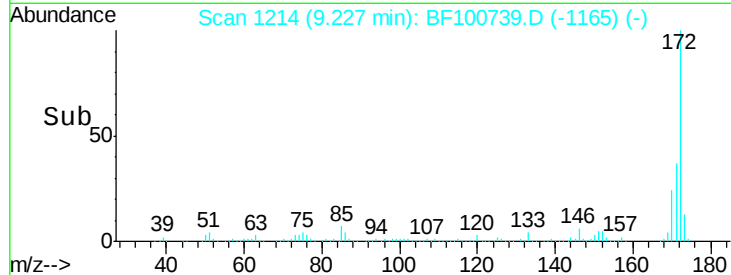
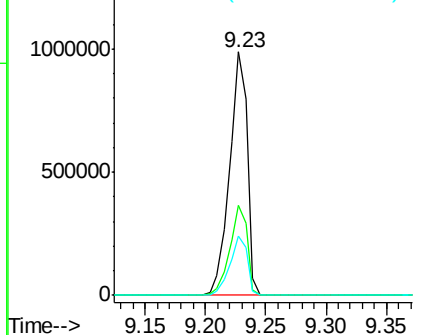
#44
 2-Fluorobiphenyl
 Concen: 81.39 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100739.D
 Acq: 20 Nov 2017 19:26

Instrument :
 BNA_F
 ClientSampleId :
 MH-(0-12)

Tgt Ion: 172 Resp: 1005537
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.7 44.5
 170 24.4 19.6 29.4

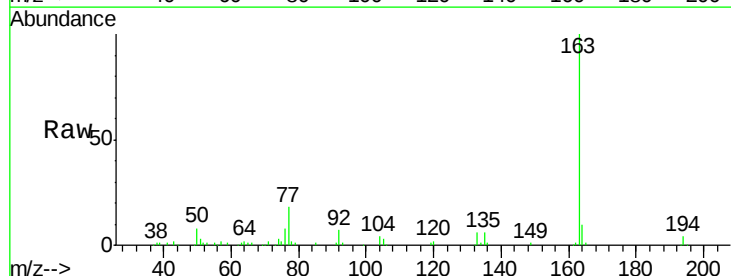


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

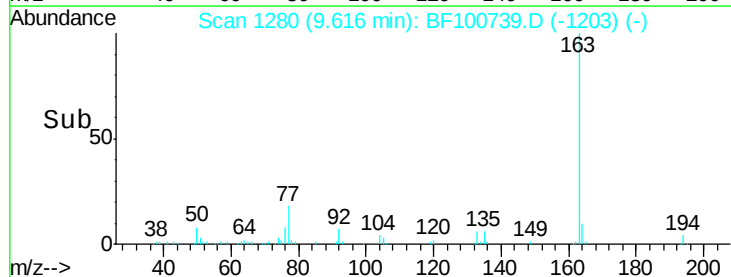
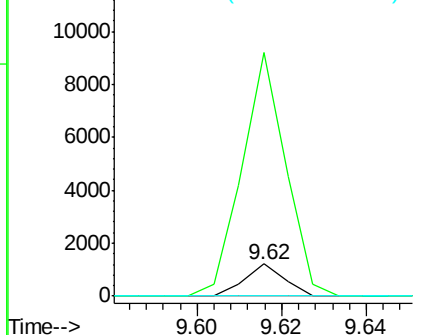


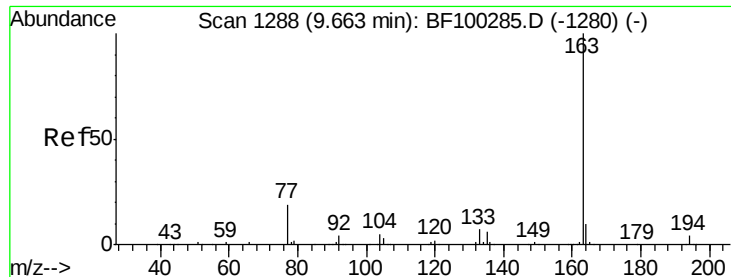
#47
 2-Nitroaniline
 Concen: 2.99 ng
 RT: 9.62 min Scan# 1280
 Delta R.T. 0.15 min
 Lab File: BF100739.D
 Acq: 20 Nov 2017 19:26

Tgt Ion: 65 Resp: 779
 Ion Ratio Lower Upper
 65 100
 92 757.6 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

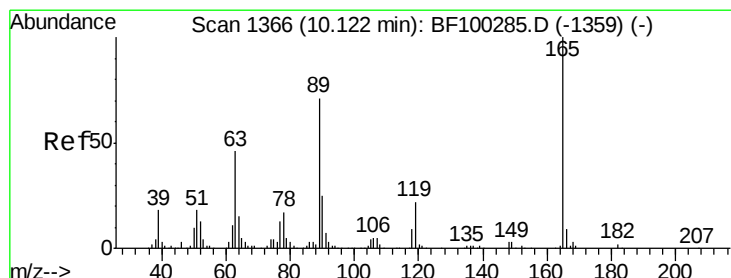
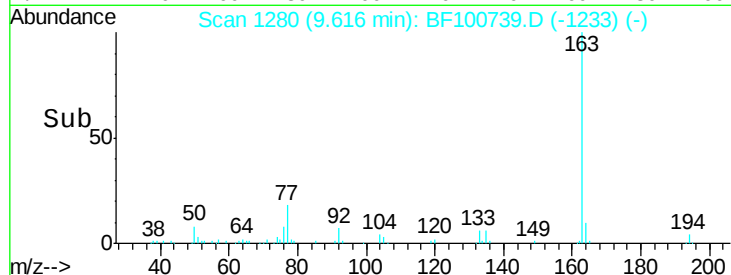
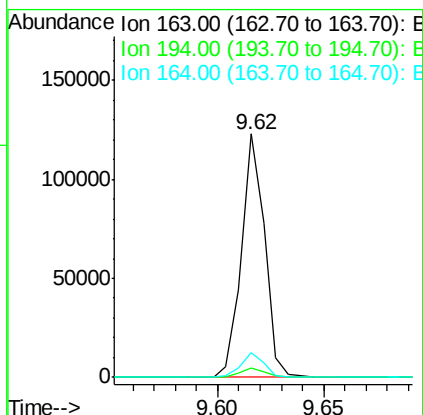
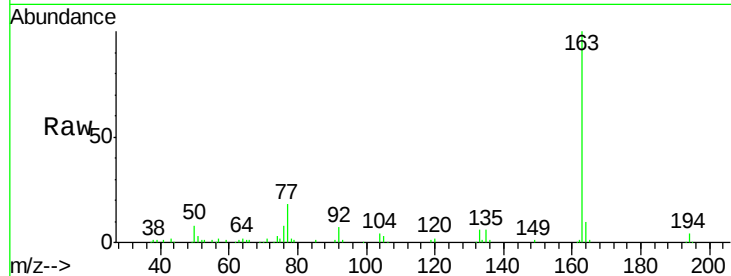




#49
Dimethylphthalate
Concen: 6.48 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF100739.D
Acq: 20 Nov 2017 19:26

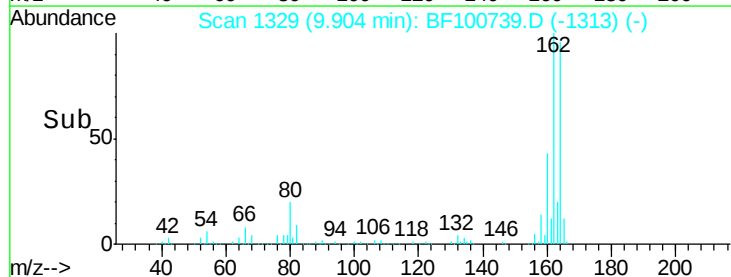
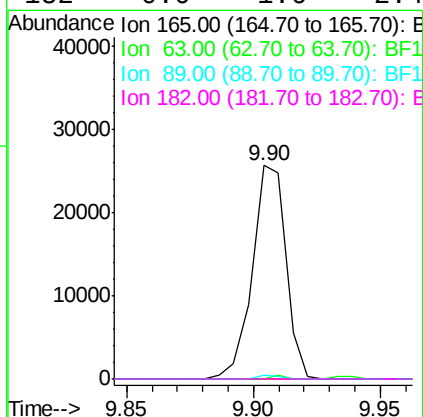
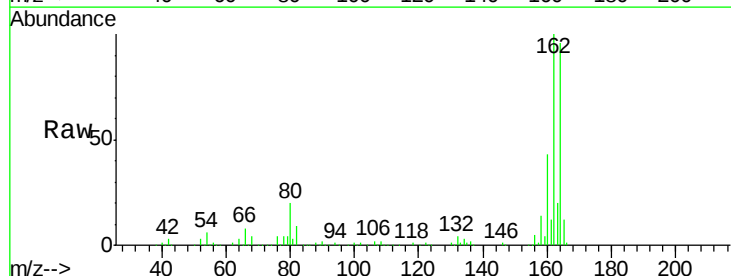
Instrument :
BNA_F
ClientSampleId :
MH-(0-12)

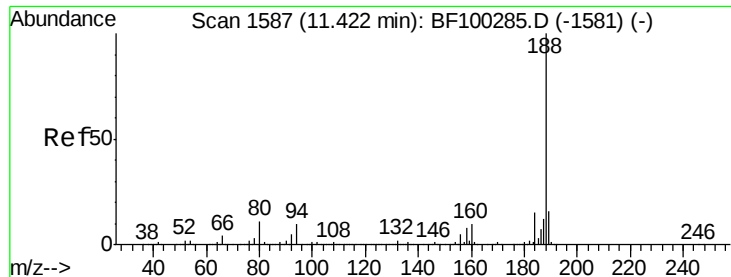
Tgt Ion:163 Resp: 93065
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.4 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.63 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.21 min
Lab File: BF100739.D
Acq: 20 Nov 2017 19:26

Tgt Ion:165 Resp: 23771
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)

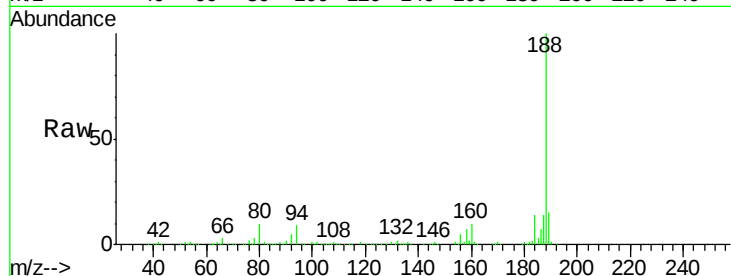
Tgt Ion:188 Resp: 376154

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

80 9.6 9.2 13.8

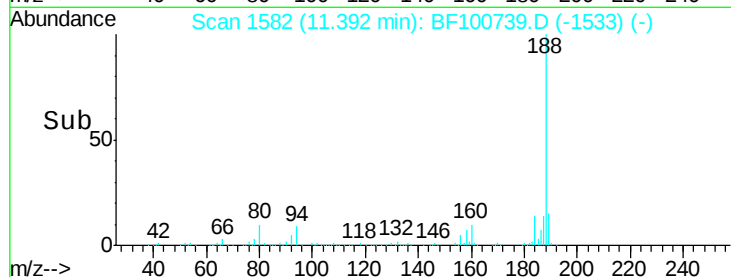


Abundance Ion 188.00 (187.70 to 188.70): E

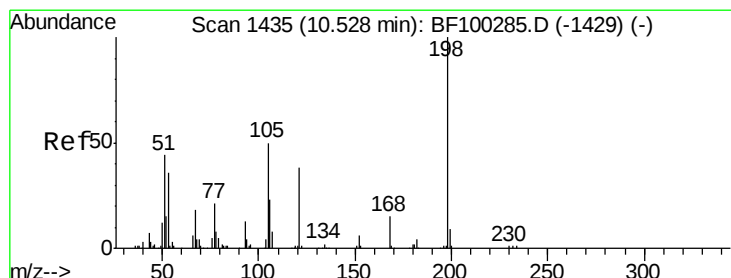
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 8.70 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.18 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

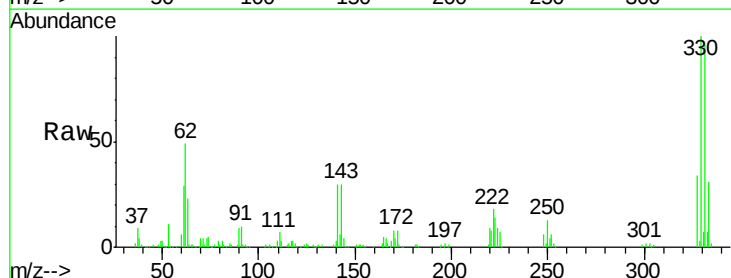
Tgt Ion:198 Resp: 294

Ion Ratio Lower Upper

198 100

51 220.1 37.7 77.7#

105 261.9 36.3 76.3#

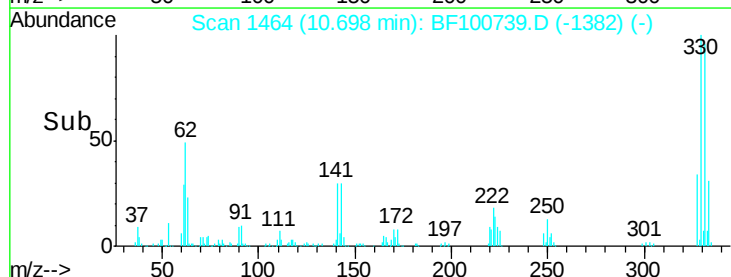


Abundance Ion 198.00 (197.70 to 198.70): E

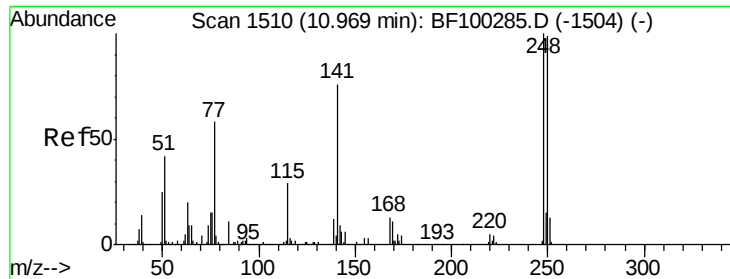
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

Time-->



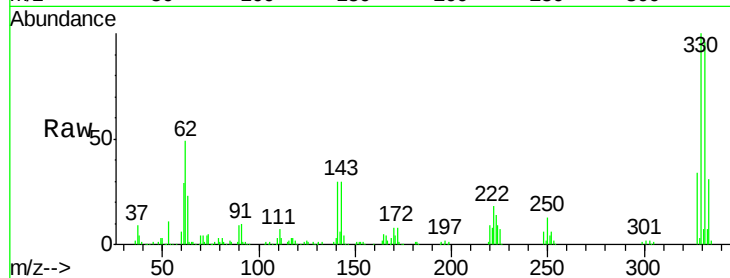
Time-->



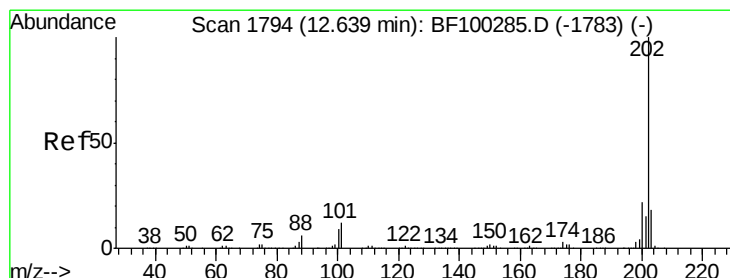
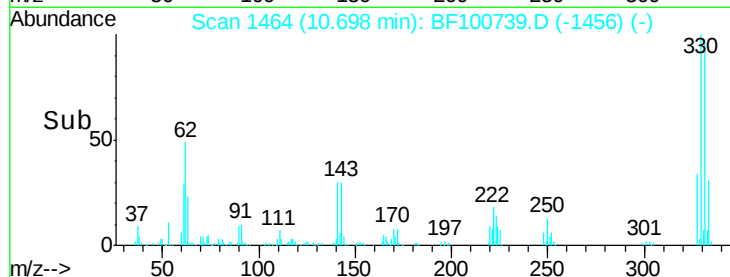
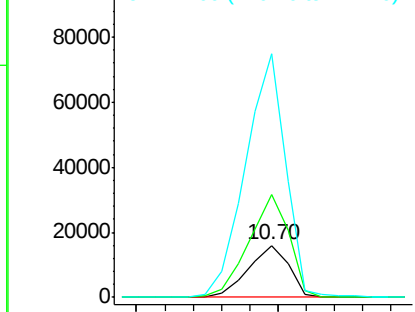
#66
4-Bromophenyl-phenylether
Concen: 3.94 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF100739.D
Acq: 20 Nov 2017 19:26

Instrument :
BNA_F
ClientSampleId :
MH-(0-12)

Tgt Ion:248 Resp: 15885
Ion Ratio Lower Upper
248 100
250 198.4 76.9 115.3#
141 471.3 74.4 111.6#

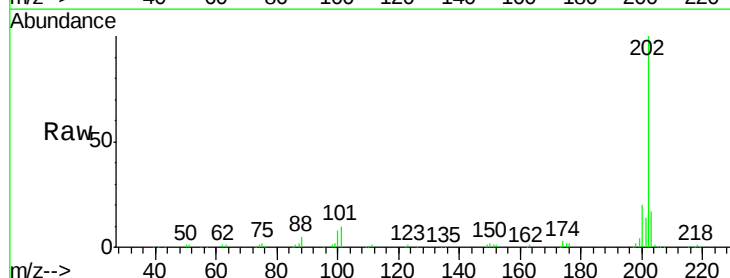


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

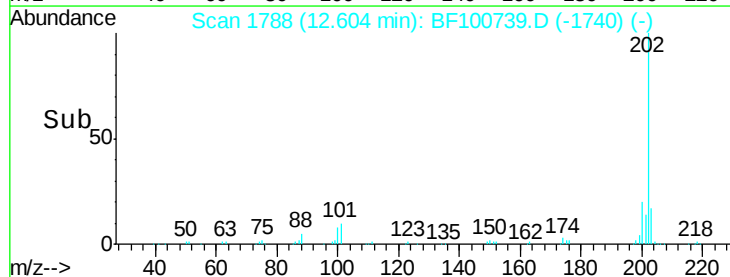
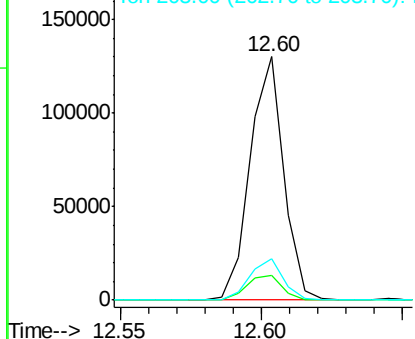


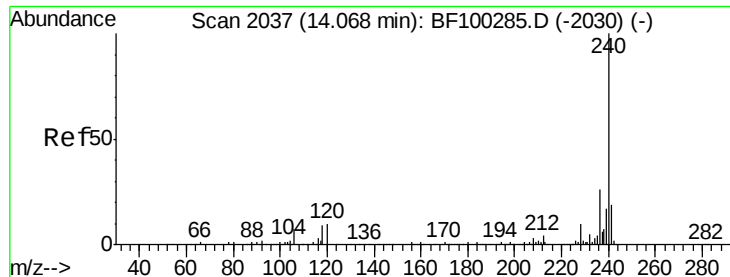
#74
Fluoranthene
Concen: 5.10 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BF100739.D
Acq: 20 Nov 2017 19:26

Tgt Ion:202 Resp: 107052
Ion Ratio Lower Upper
202 100
101 10.2 0.0 34.1
203 16.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)

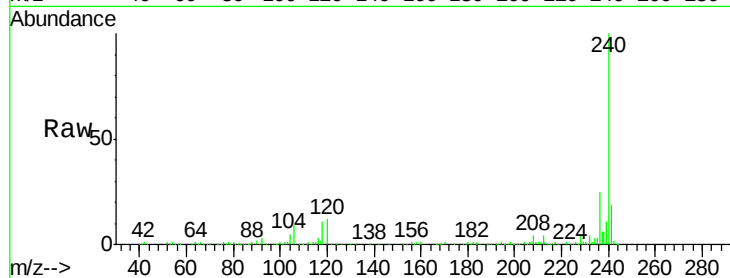
Tgt Ion:240 Resp: 291399

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

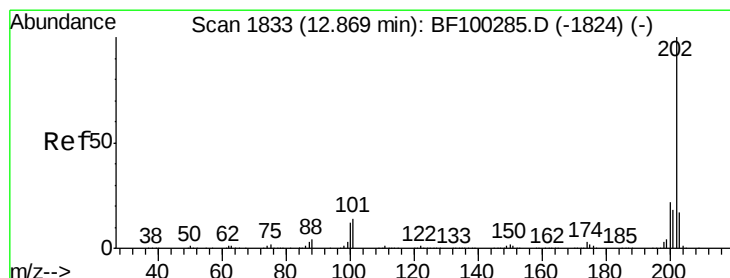
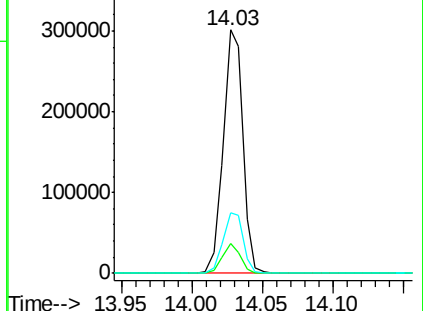
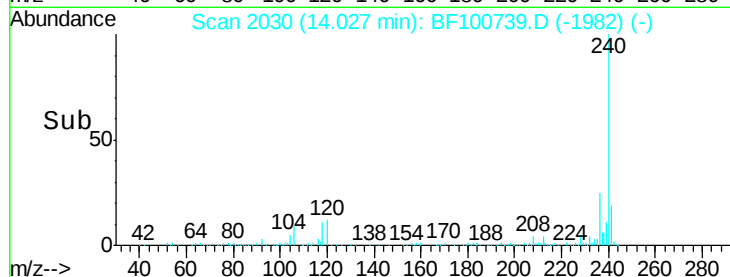
236 24.8 20.7 31.1



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



#77

Pyrene

Concen: 4.32 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

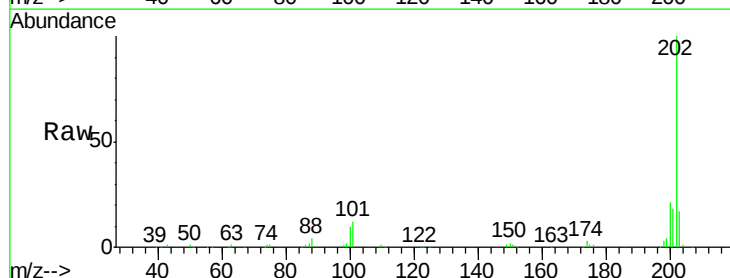
Tgt Ion:202 Resp: 89663

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

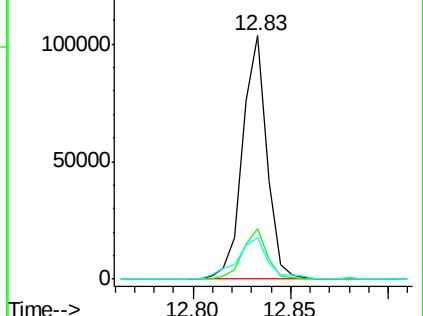
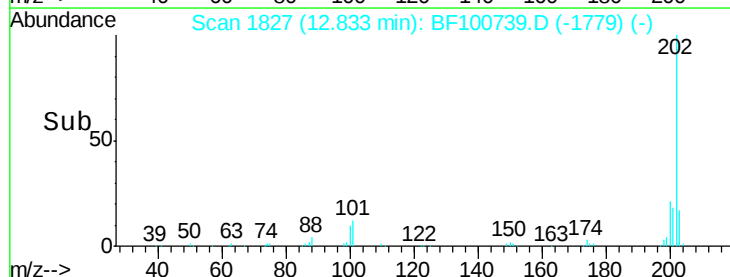
203 17.3 14.3 21.5

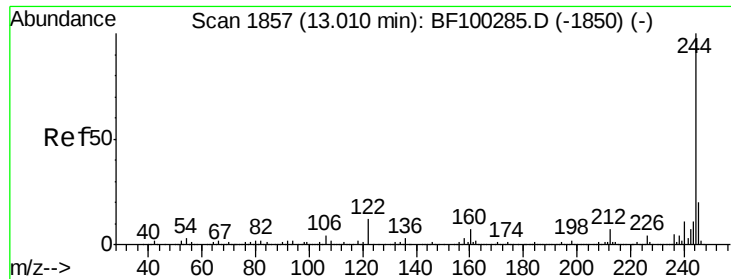


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.90 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)

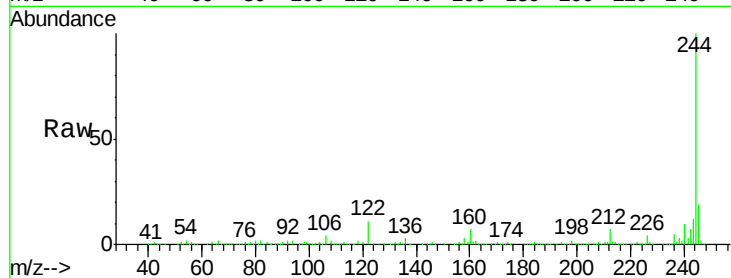
Tgt Ion:244 Resp: 975203

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

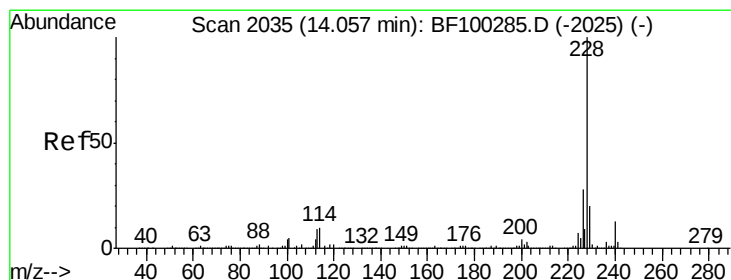
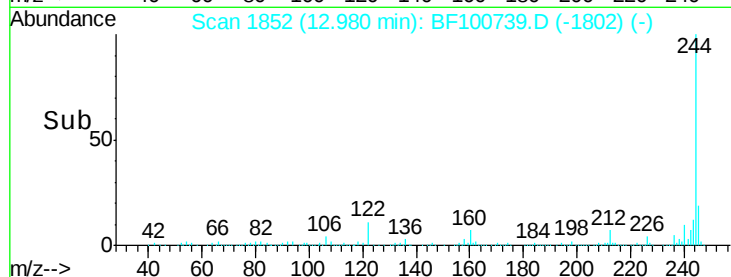
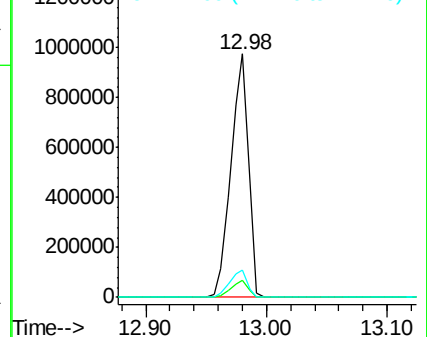
122 11.4 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 2.51 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.02 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

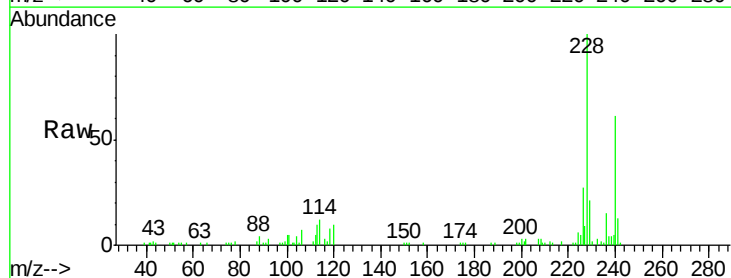
Tgt Ion:228 Resp: 44071

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

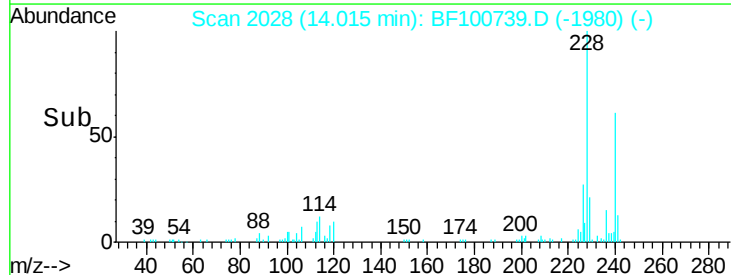
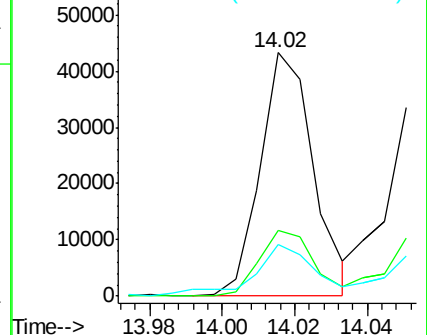
229 21.0 15.8 23.6

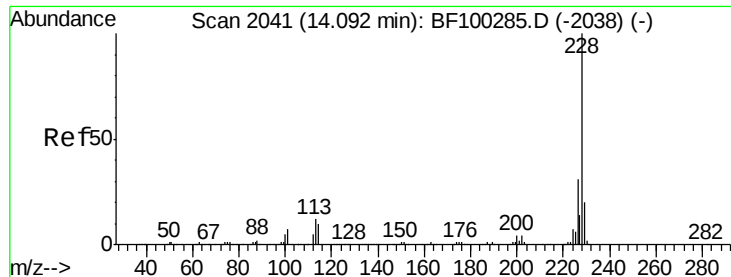


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.19 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)

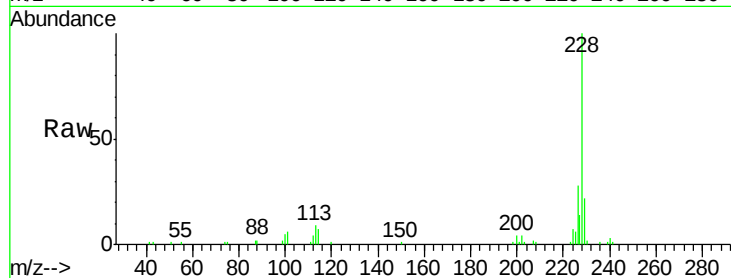
Tgt Ion:228 Resp: 37237

Ion Ratio Lower Upper

228 100

226 28.2 25.0 37.6

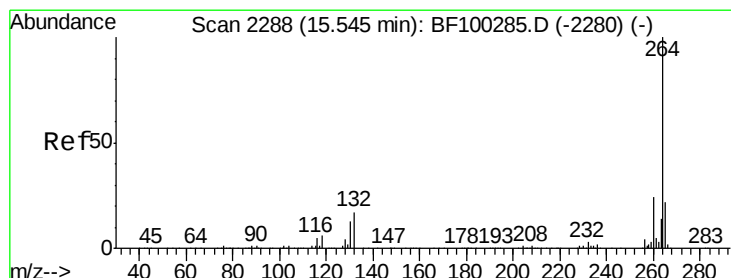
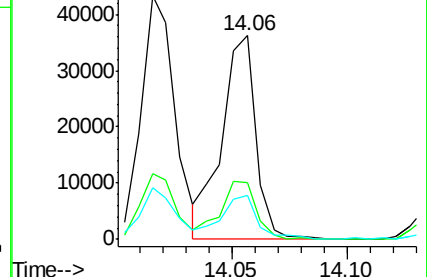
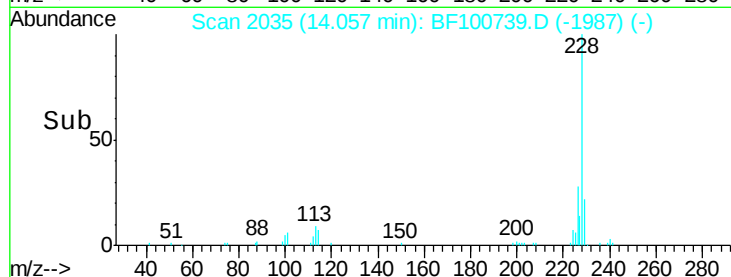
229 21.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.02 min

Lab File: BF100739.D

Acq: 20 Nov 2017 19:26

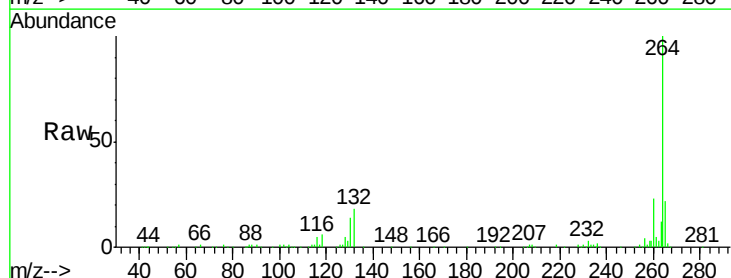
Tgt Ion:264 Resp: 206841

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

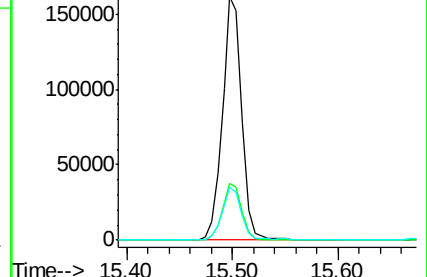
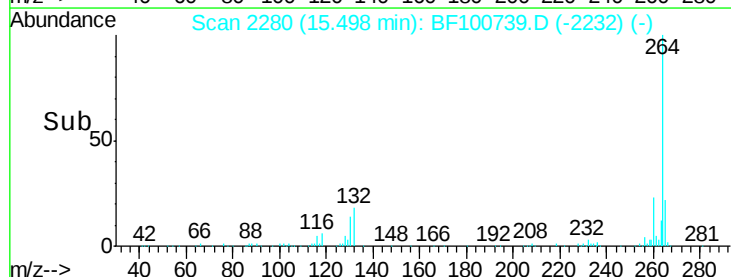
265 21.8 17.5 26.3

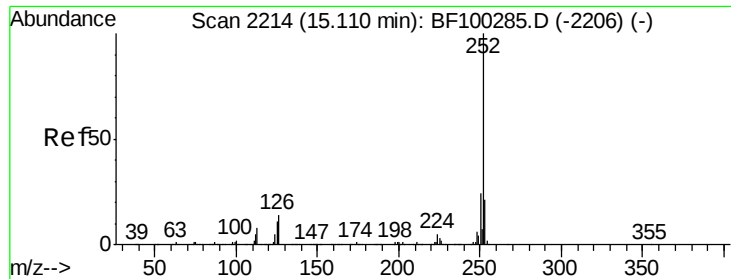


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

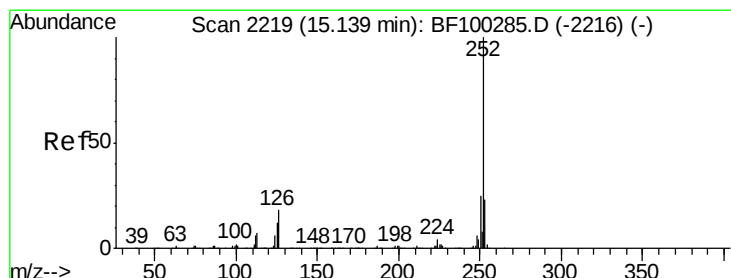
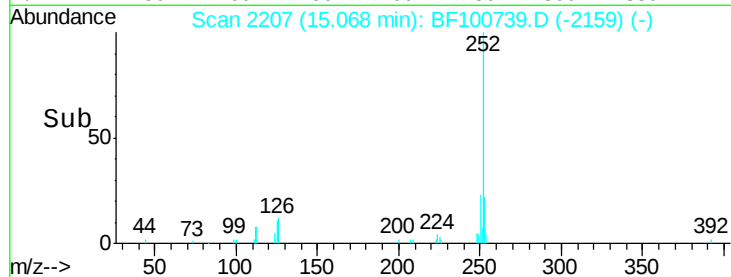
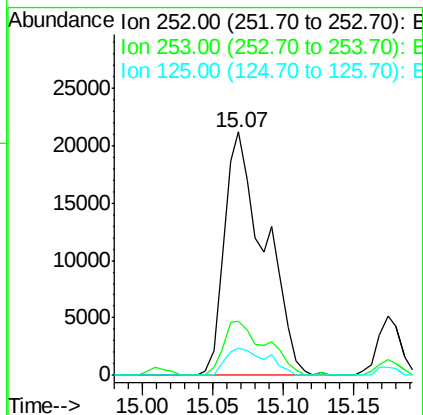
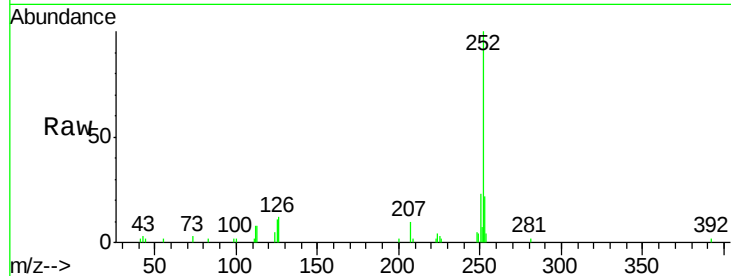




#87
Benzo(b)fluoranthene
Concen: 3.44 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF100739.D
Acq: 20 Nov 2017 19:26

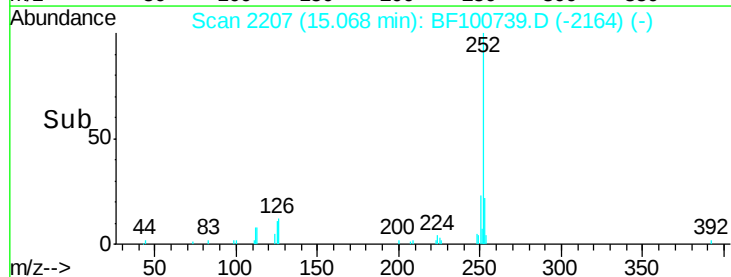
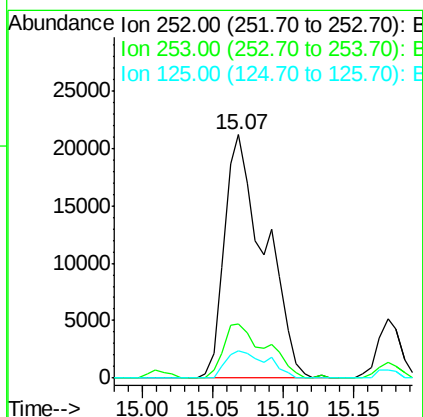
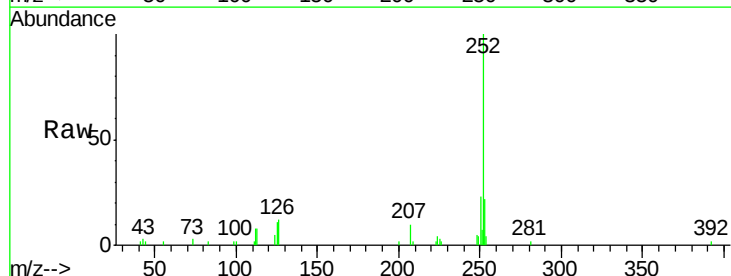
Instrument :
BNA_F
ClientSampleId :
MH-(0-12)

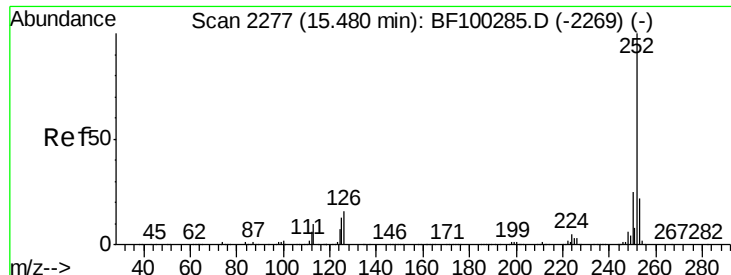
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	11.1	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 3.64 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF100739.D
Acq: 20 Nov 2017 19:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	11.1	10.2	15.2





#89

Benzo(a)pyrene

Concen: 2.02 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.02 min

Lab File: BF100739.D

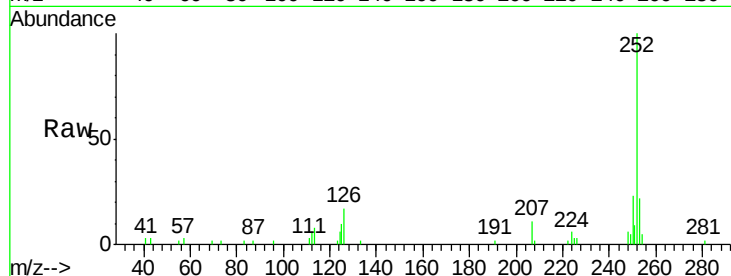
Acq: 20 Nov 2017 19:26

Instrument :

BNA_F

ClientSampleId :

MH-(0-12)



Tgt Ion:	252	Resp:	21915
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	10.0	9.8	14.6

