

Data File : BF100756.D
Acq On : 21 Nov 2017 3:01
Operator : SJ/JU
Sample : I6306-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-111717

Quant Time: Nov 21 06:05:52 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	82803	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	309435	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	118443	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	177171	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	181611	20.00	ng	-0.01
86) Perylene-d12	15.50	264	148355	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	417532	80.83	ng	0.00
7) Phenol-d6	6.50	99	492724	77.35	ng	-0.01
23) Nitrobenzene-d5	7.43	82	297254	63.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	88336	73.19	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	557077	71.62	ng	-0.01
78) Terphenyl-d14	12.97	244	394981	49.97	ng	-0.01

Target Compounds				Qvalue		
10) Phenol	6.51	94	22373	3.35	ng	97
19) n-Nitroso-di-n-propylamine	7.43	70	41980	9.50	ng	# 79
25) Isophorone	7.43	82	297250	30.22	ng	# 64
47) 2-Nitroaniline	9.46	65	107	2.83	ng	# 2
49) Dimethylphthalate	9.62	163	50856	5.62	ng	# 97
56) 2,4-Dinitrotoluene	9.91	165	15944	7.06	ng	# 24
66) 4-Bromophenyl-phenylether	10.70	248	5672	2.99	ng	# 1
70) Phenanthrene	11.42	178	34323	3.68	ng	99
74) Fluoranthene	12.60	202	68710	6.95	ng	97
77) Pyrene	12.83	202	77476	5.98	ng	99
80) Benzo(a)anthracene	14.02	228	44686	4.09	ng	97
82) Chrysene	14.06	228	39792	3.76	ng	98
87) Benzo(b)fluoranthene	15.07	252	60561	6.89	ng	96
88) Benzo(k)fluoranthene	15.07	252	60561	7.29	ng	99
89) Benzo(a)pyrene	15.44	252	33799	4.34	ng	97
91) Benzo(g,h,i)perylene	17.43	276	15550	2.49	ng	# 89

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

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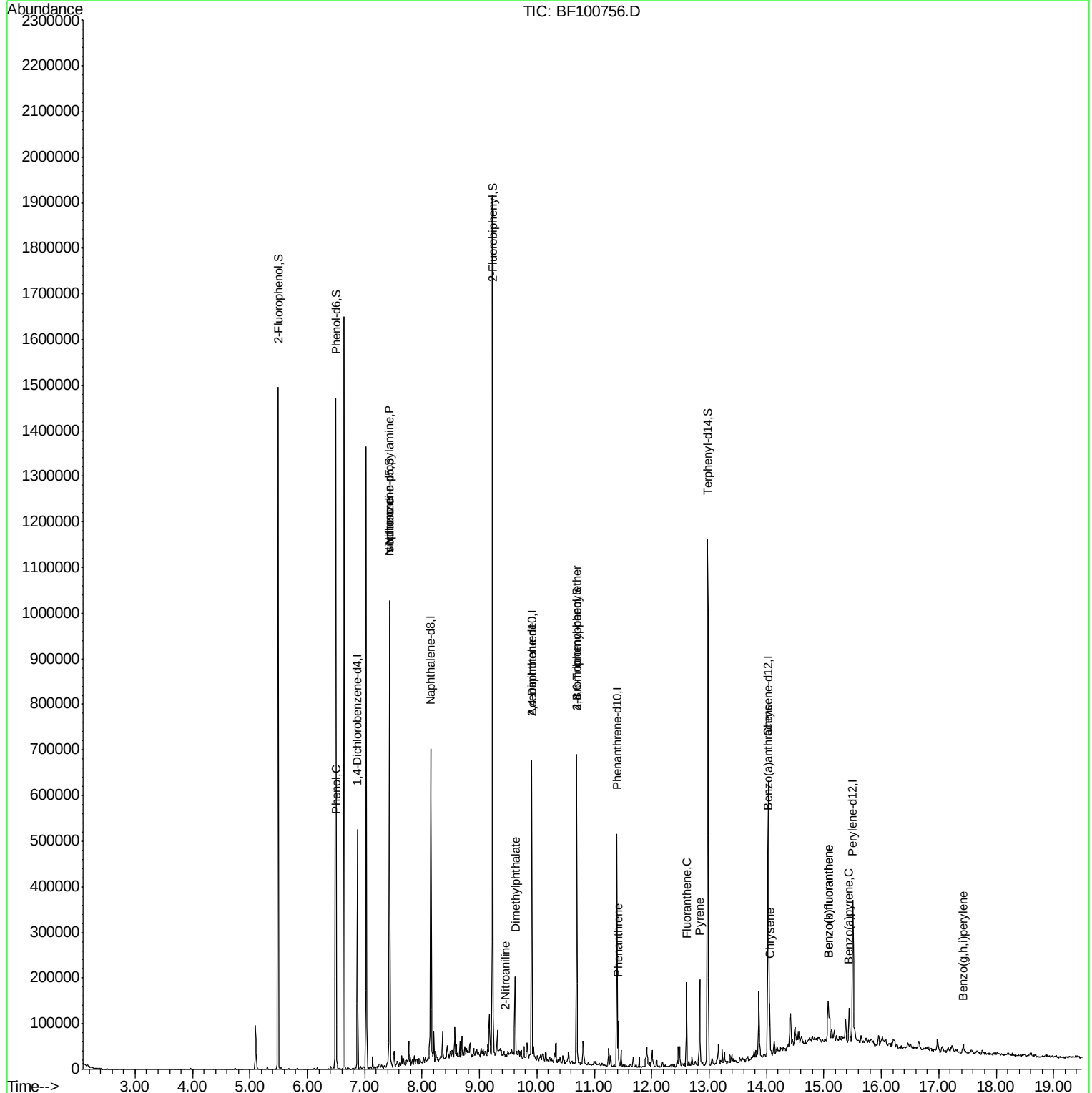
Quant Time: Nov 21 06:05:52 2017

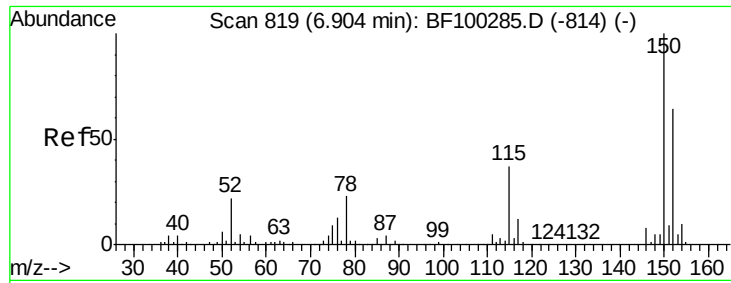
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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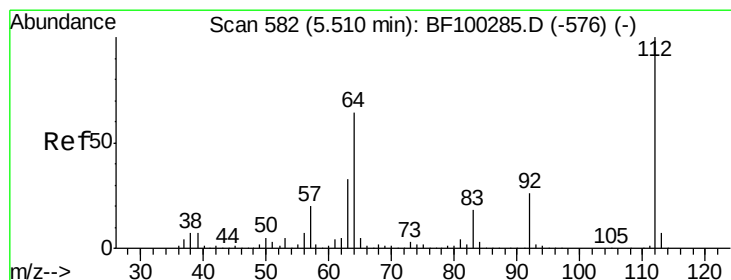
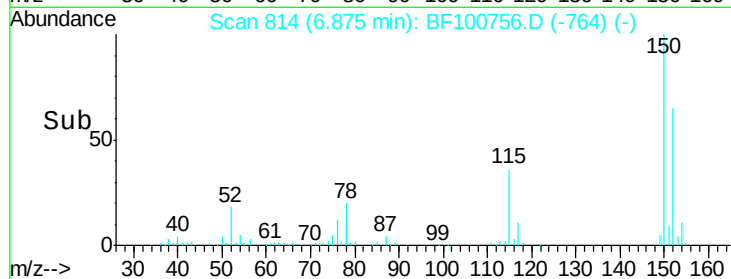
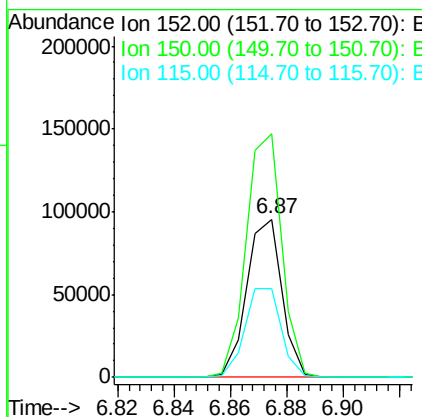
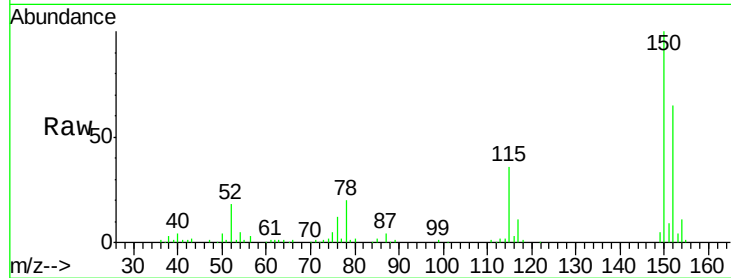




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF100756.D
 Acq: 21 Nov 2017 3:01

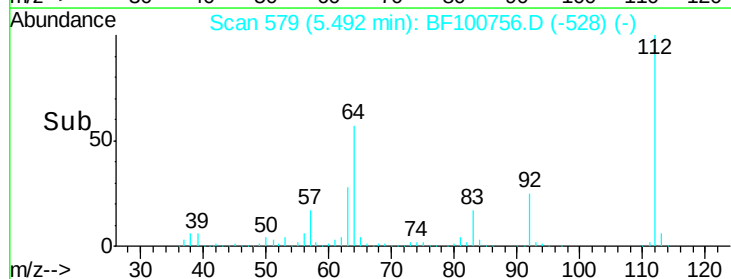
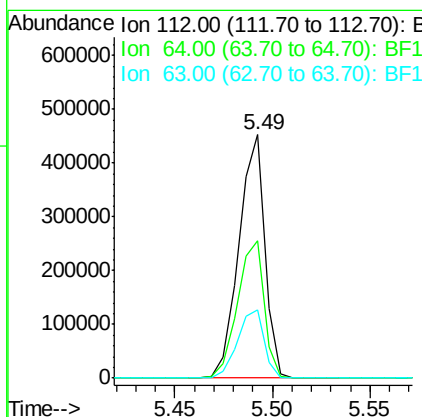
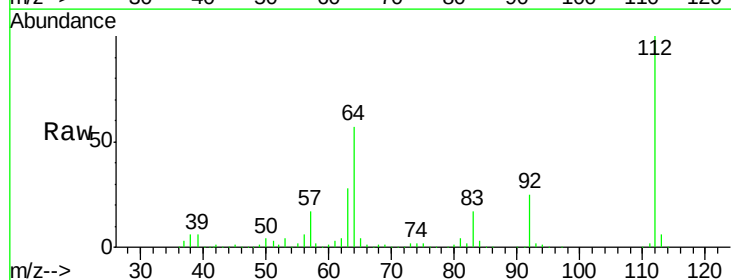
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-111717

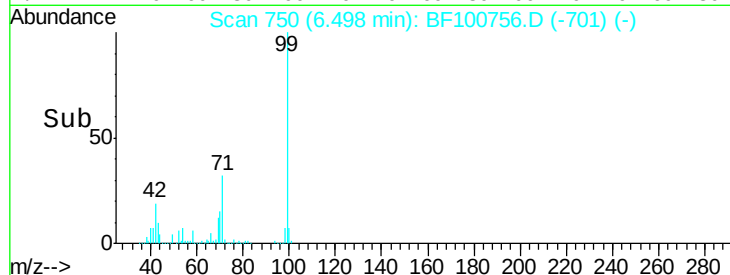
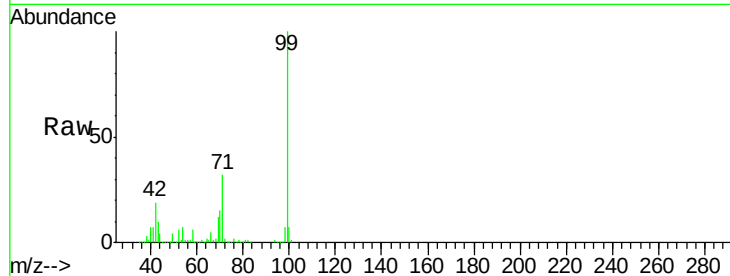
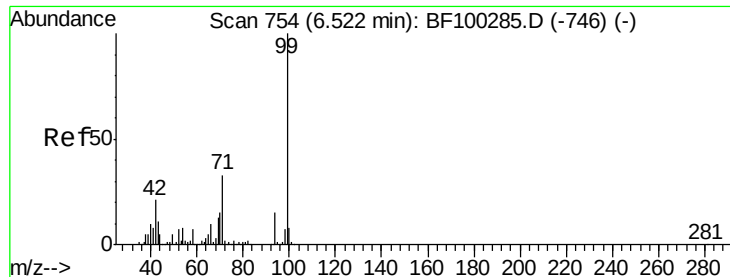
Tgt Ion:152 Resp: 82803
 Ion Ratio Lower Upper
 152 100
 150 153.9 124.6 186.8
 115 56.0 50.1 75.1



#5
 2-Fluorophenol
 Concen: 80.83 ng
 RT: 5.49 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: BF100756.D
 Acq: 21 Nov 2017 3:01

Tgt Ion:112 Resp: 417532
 Ion Ratio Lower Upper
 112 100
 64 56.6 47.9 71.9
 63 28.2 23.7 35.5





#7

Phenol-d6

Concen: 77.35 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100756.D

Acq: 21 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

NB-08-111717

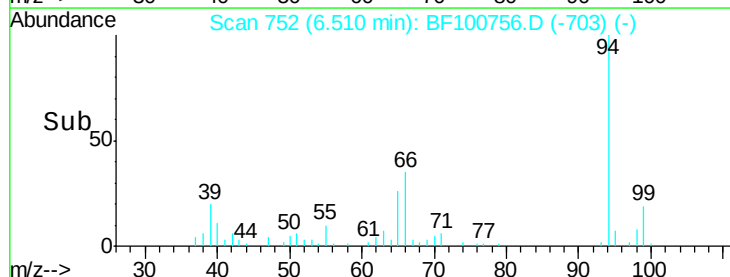
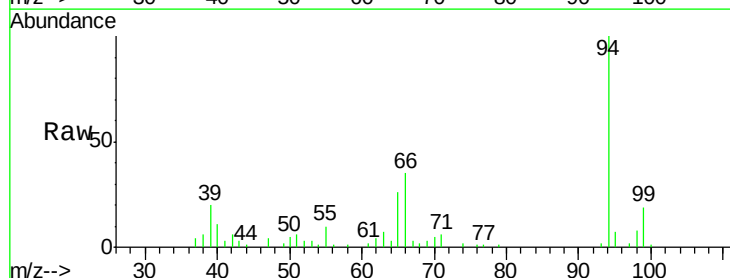
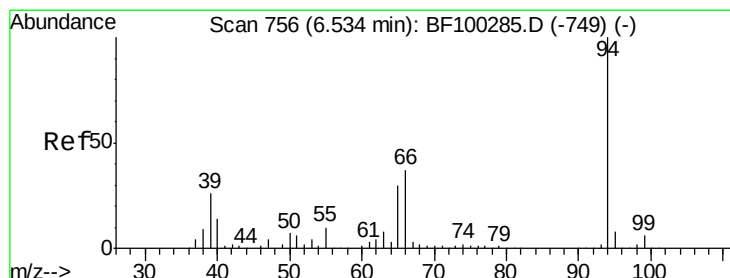
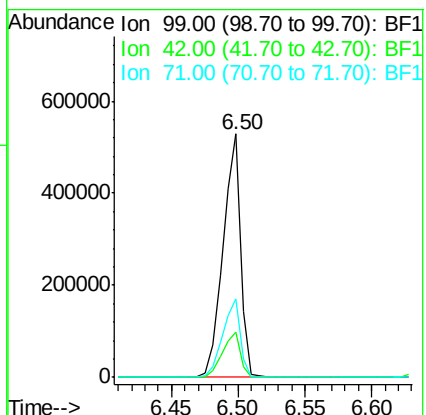
Tgt Ion: 99 Resp: 492724

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

71 32.3 25.4 38.0



#10

Phenol

Concen: 3.35 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100756.D

Acq: 21 Nov 2017 3:01

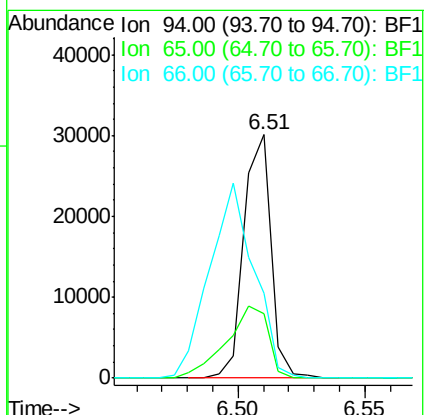
Tgt Ion: 94 Resp: 22373

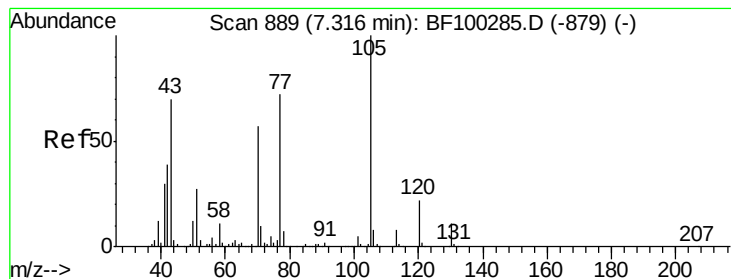
Ion Ratio Lower Upper

94 100

65 26.3 7.9 47.9

66 34.8 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 9.50 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF100756.D

Acq: 21 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

NB-08-111717

Tgt Ion: 70 Resp: 41980

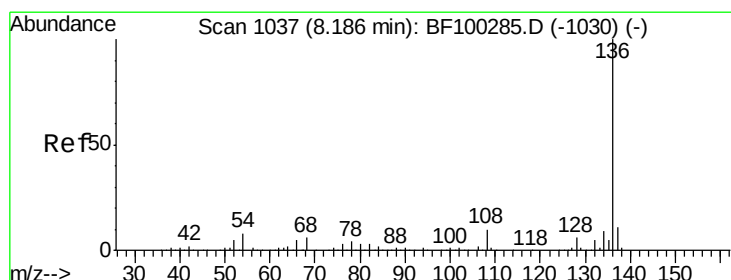
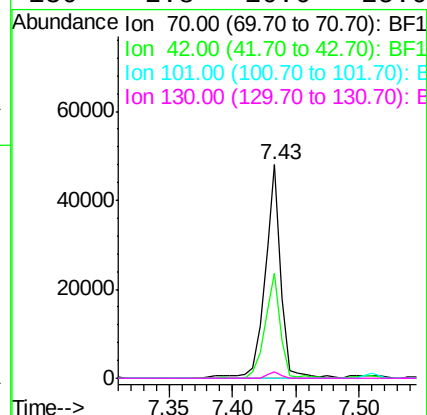
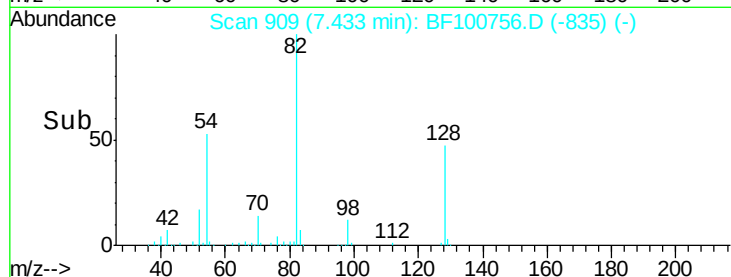
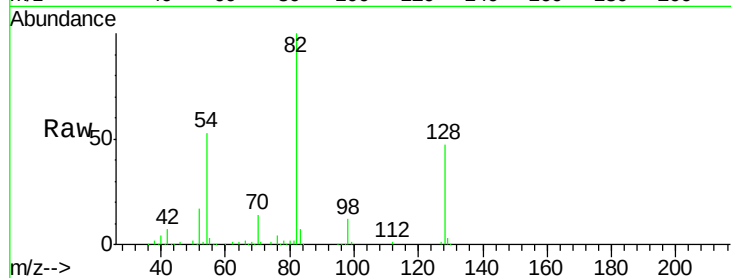
Ion Ratio Lower Upper

70 100

42 49.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF100756.D

Acq: 21 Nov 2017 3:01

Tgt Ion: 136 Resp: 309435

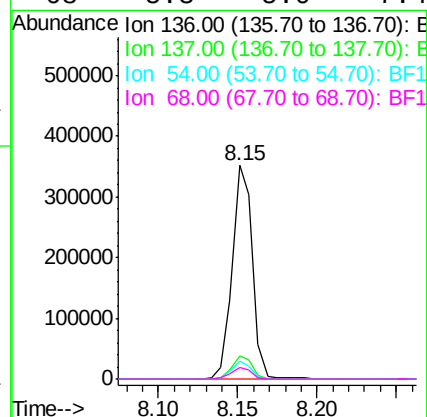
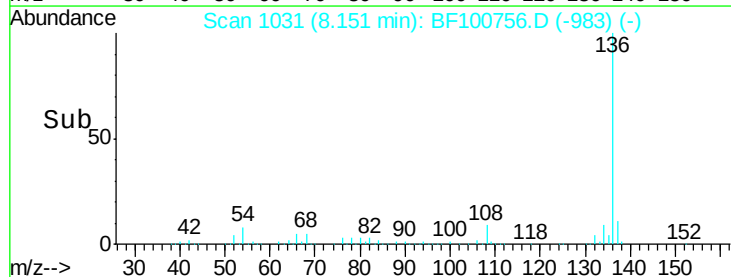
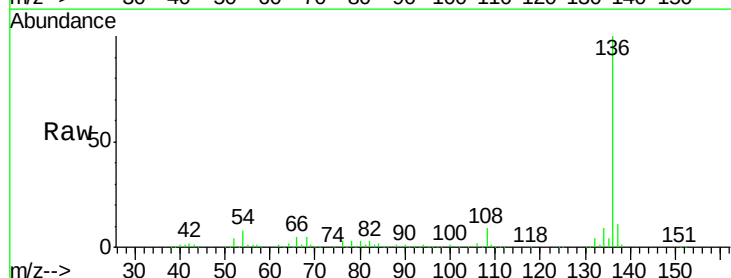
Ion Ratio Lower Upper

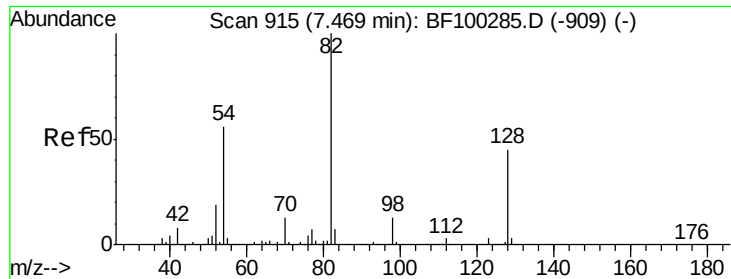
136 100

137 10.7 8.9 13.3

54 8.3 6.6 9.8

68 5.3 5.0 7.4

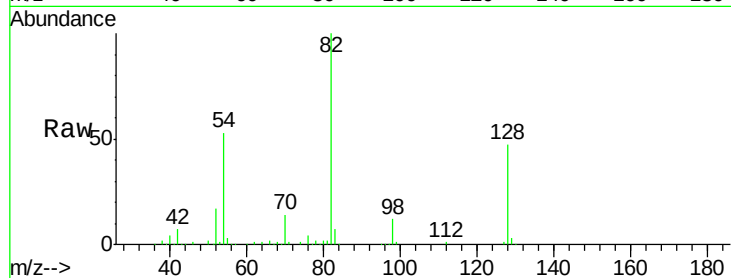




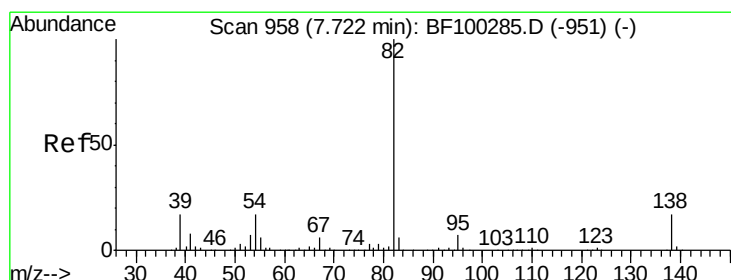
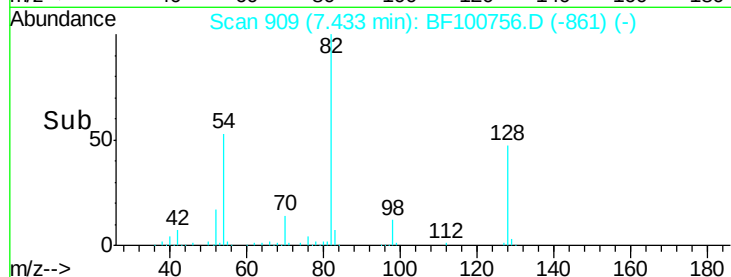
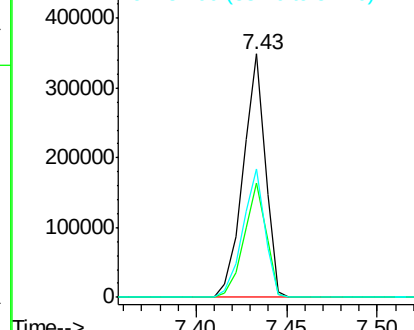
#23
 Nitrobenzene-d5
 Concen: 63.51 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF100756.D
 Acq: 21 Nov 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-111717

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	52.8	41.4	62.2

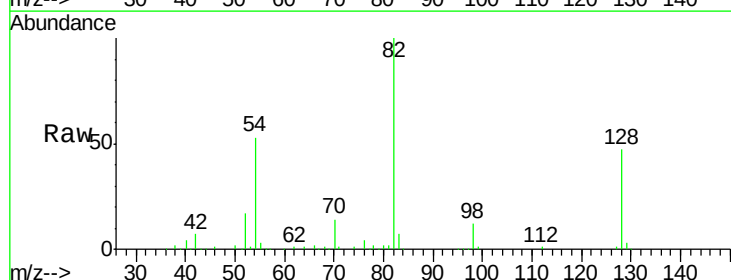


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

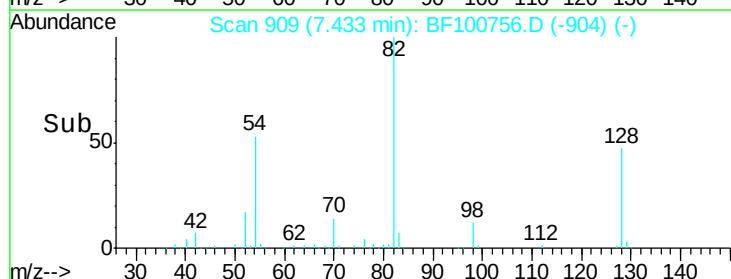
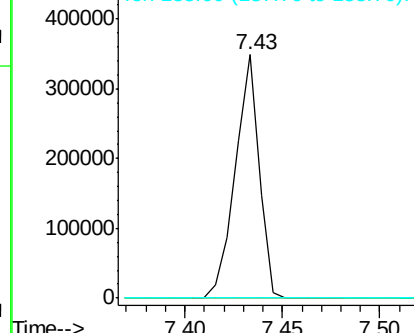


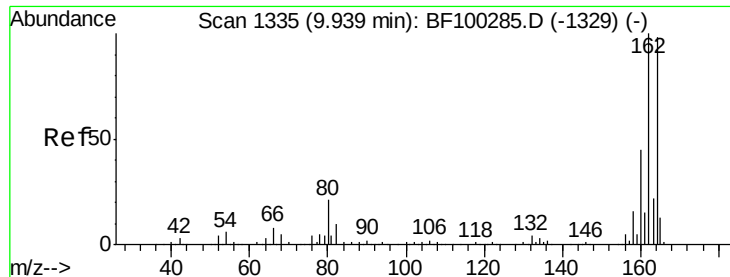
#25
 Isophorone
 Concen: 30.22 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.27 min
 Lab File: BF100756.D
 Acq: 21 Nov 2017 3:01

Tgt 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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100756.D

Acq: 21 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

NB-08-111717

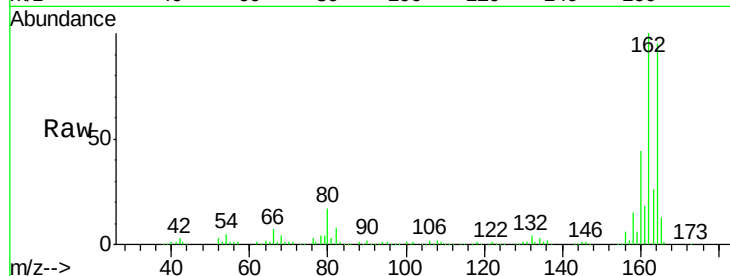
Tgt Ion:164 Resp: 118443

Ion Ratio Lower Upper

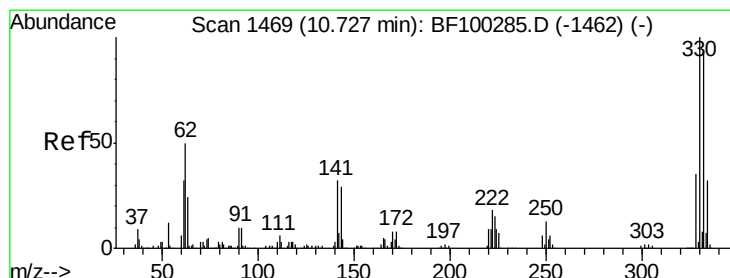
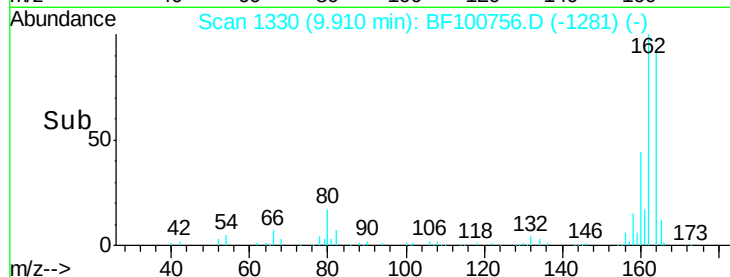
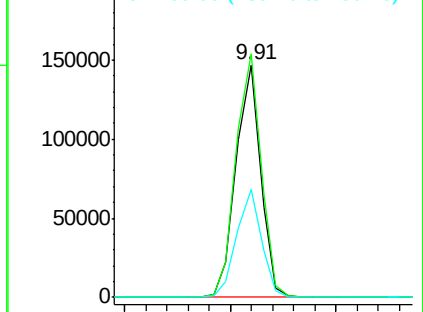
164 100

162 104.8 86.1 129.1

160 46.3 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 73.19 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BF100756.D

Acq: 21 Nov 2017 3:01

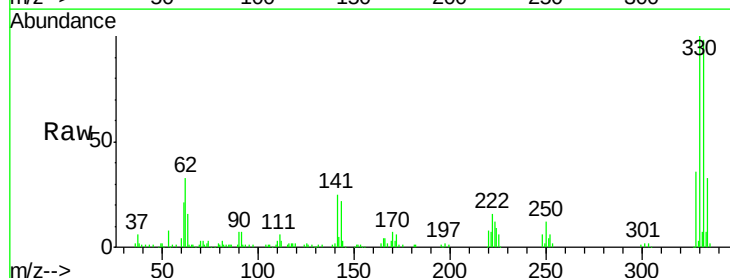
Tgt Ion:330 Resp: 88336

Ion Ratio Lower Upper

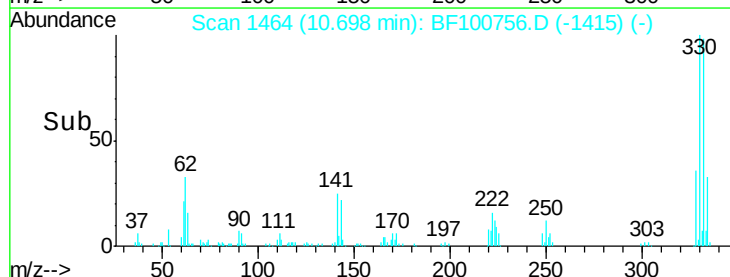
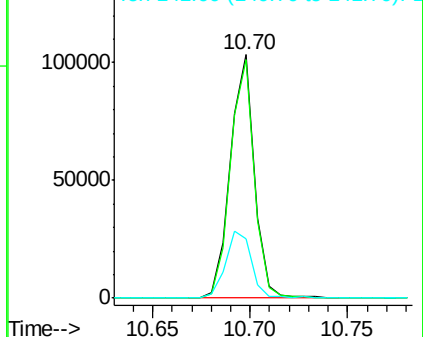
330 100

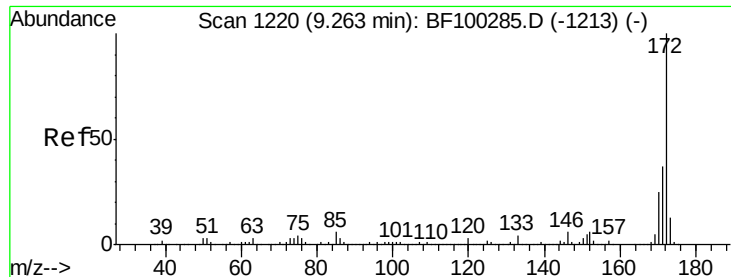
332 97.2 77.0 115.6

141 29.7 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

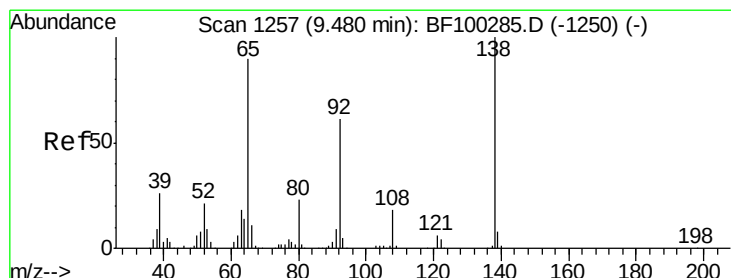
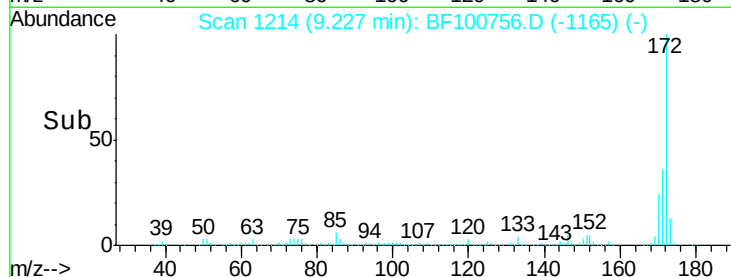
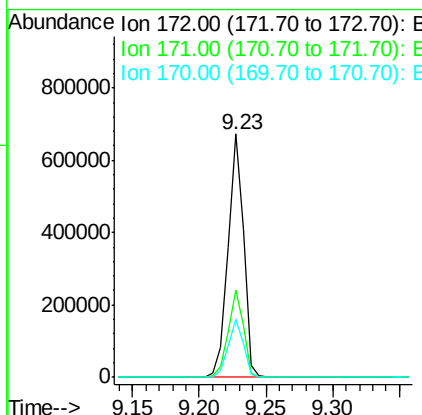
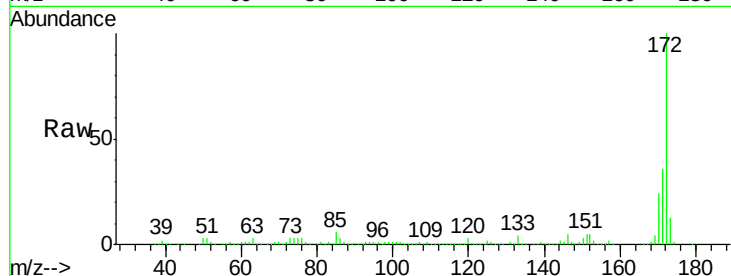




#44
2-Fluorobiphenyl
Concen: 71.62 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF100756.D
Acq: 21 Nov 2017 3:01

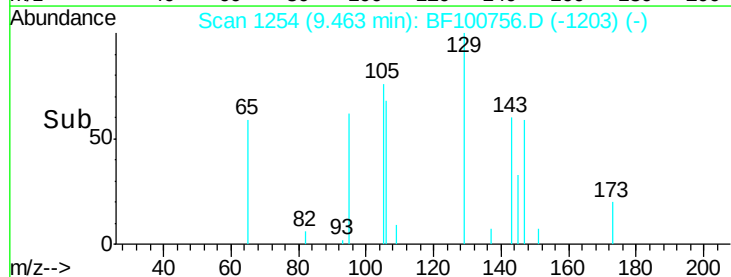
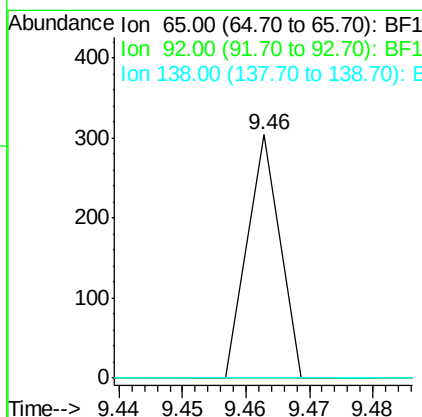
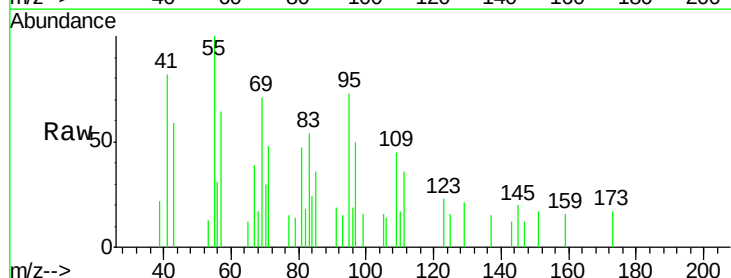
Instrument :
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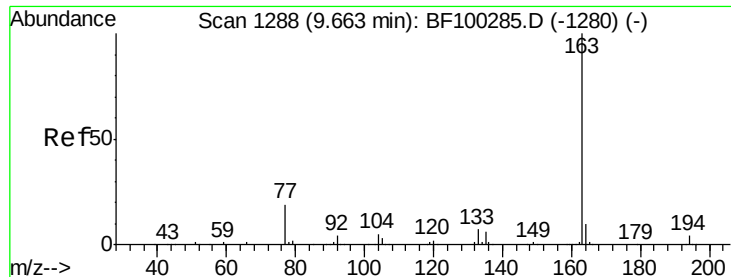
Tgt Ion: 172 Resp: 557077
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 23.9 19.6 29.4



#47
2-Nitroaniline
Concen: 2.83 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BF100756.D
Acq: 21 Nov 2017 3:01

Tgt Ion: 65 Resp: 107
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#

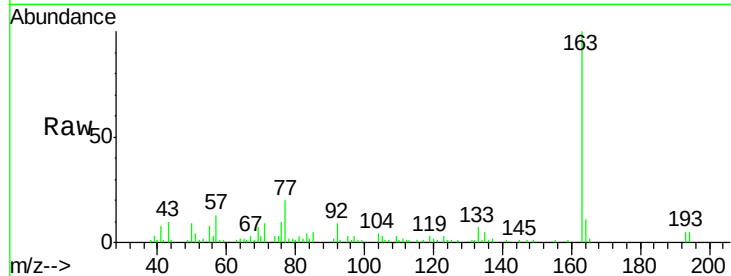




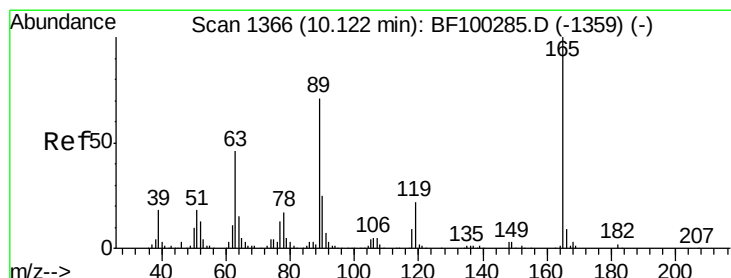
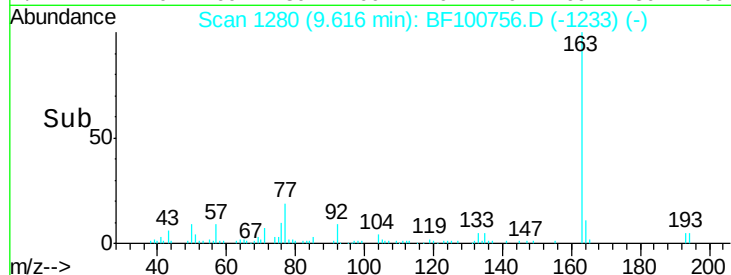
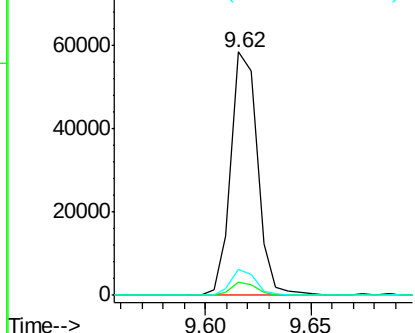
#49
Dimethylphthalate
Concen: 5.62 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF100756.D
Acq: 21 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :
NB-08-111717

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	2.7	4.1#
164	10.8	8.2	12.2

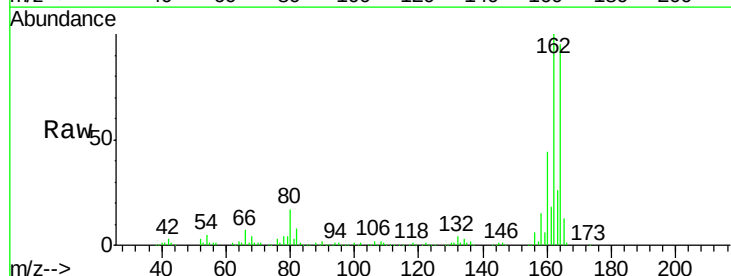


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

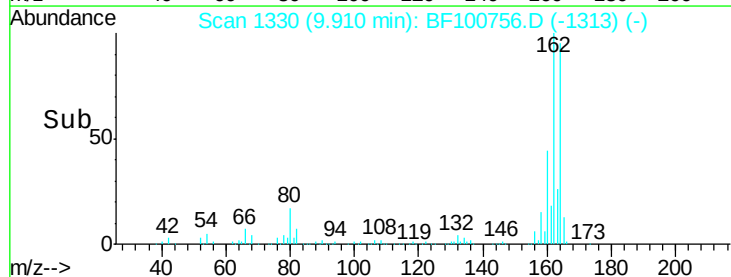
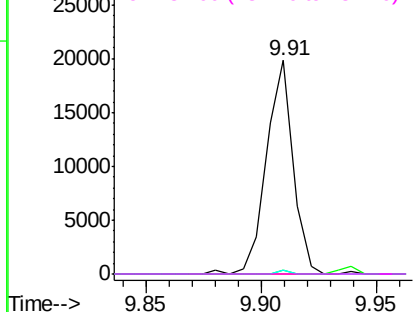


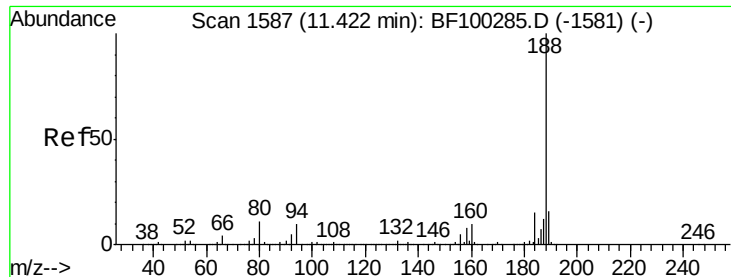
#56
2,4-Dinitrotoluene
Concen: 7.06 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.20 min
Lab File: BF100756.D
Acq: 21 Nov 2017 3:01

Tgt 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

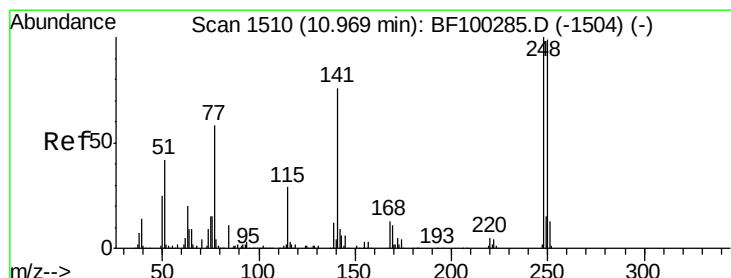
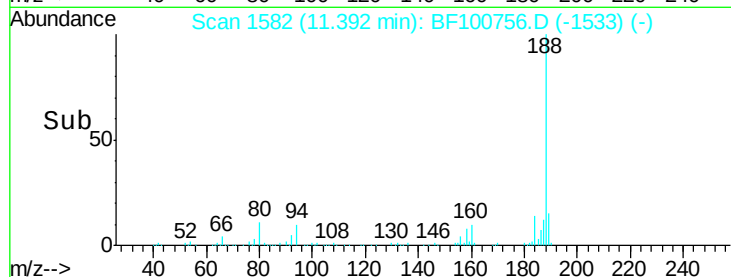
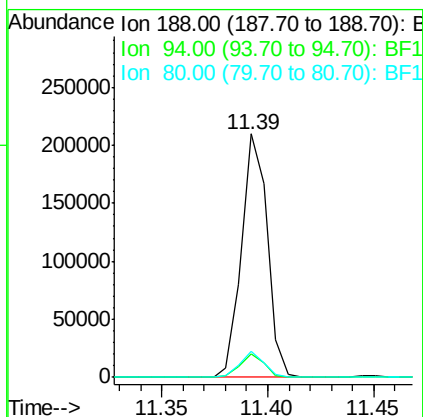
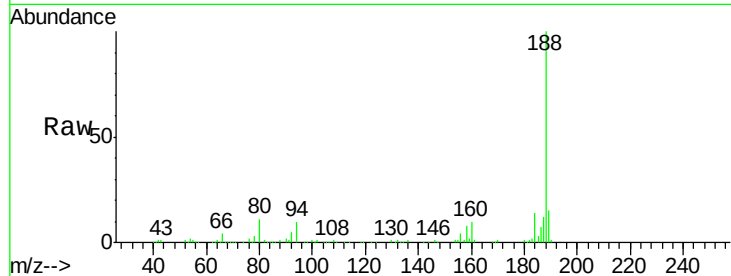




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100756.D
Acq: 21 Nov 2017 3:01

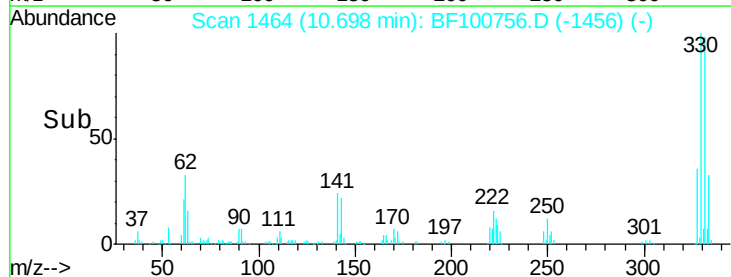
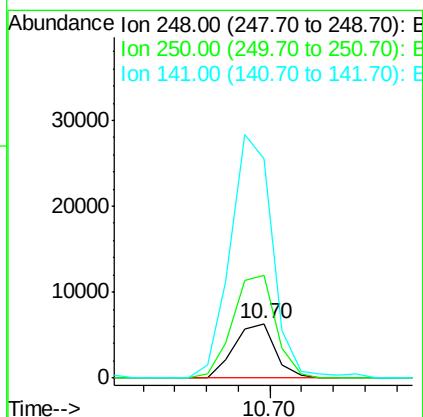
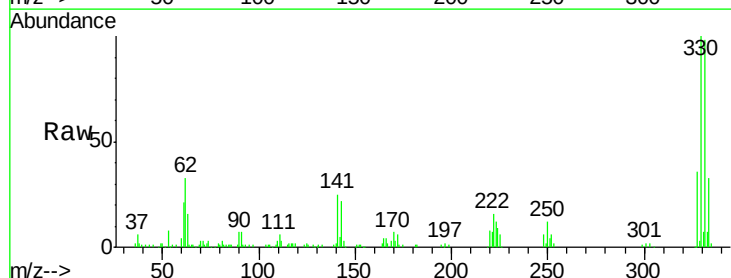
Instrument :
BNA_F
ClientSampleId :
NB-08-111717

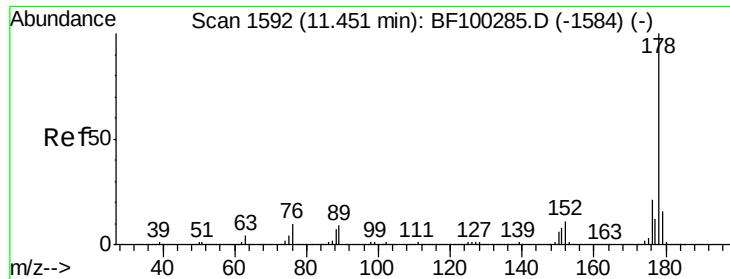
Tgt Ion:188 Resp: 177171
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.99 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF100756.D
Acq: 21 Nov 2017 3:01

Tgt Ion:248 Resp: 5672
Ion Ratio Lower Upper
248 100
250 188.4 76.9 115.3#
141 402.1 74.4 111.6#

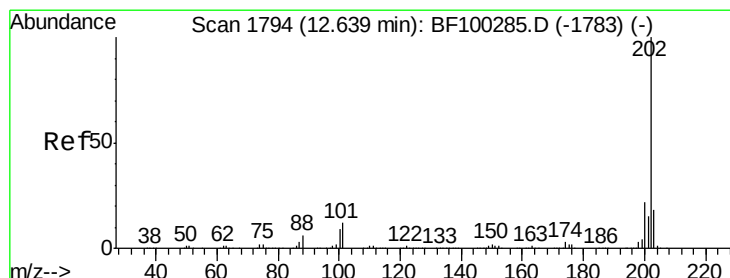
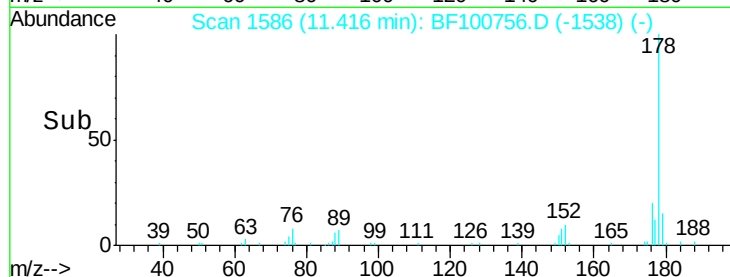
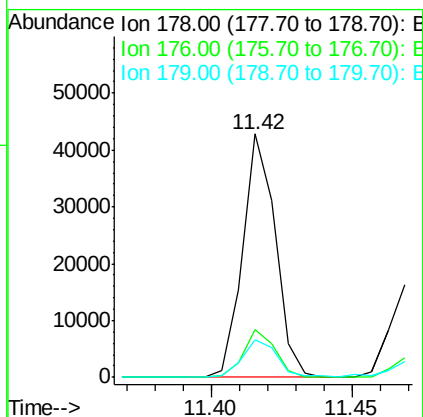
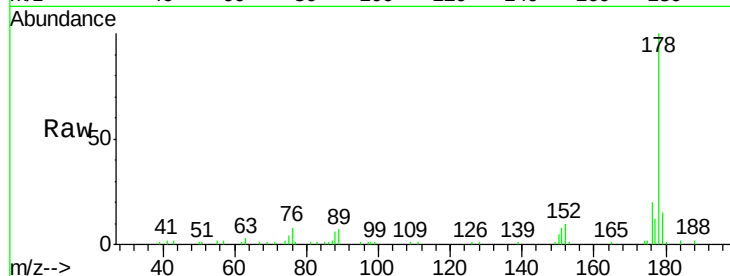




#70
Phenanthrene
Concen: 3.68 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100756.D
Acq: 21 Nov 2017 3:01

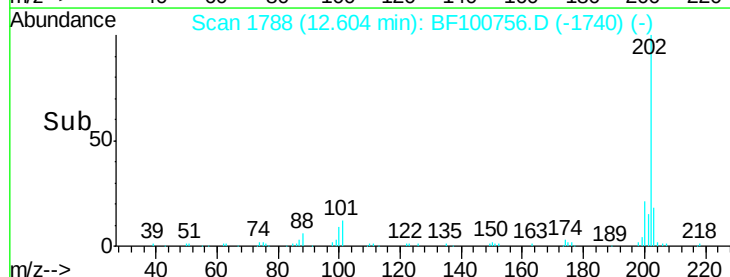
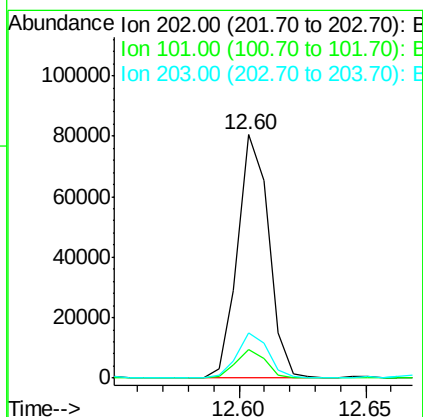
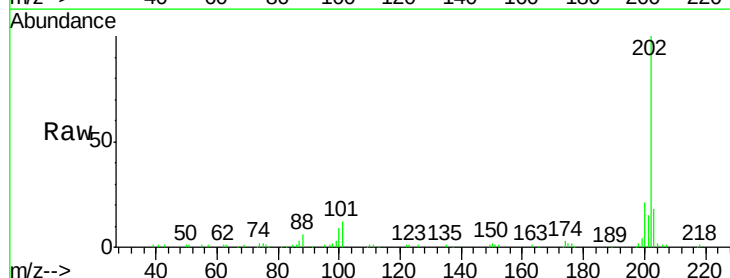
Instrument :
BNA_F
ClientSampleId :
NB-08-111717

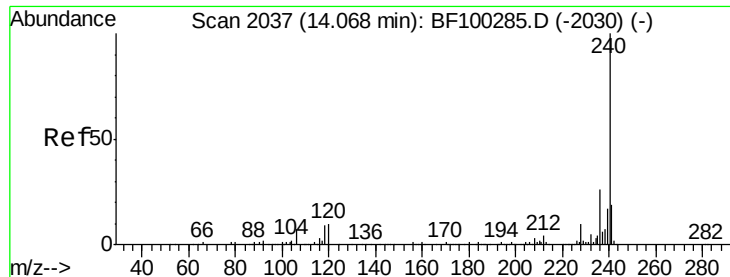
Tgt Ion:178 Resp: 34323
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.3 13.0 19.6



#74
Fluoranthene
Concen: 6.95 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BF100756.D
Acq: 21 Nov 2017 3:01

Tgt Ion:202 Resp: 68710
Ion Ratio Lower Upper
202 100
101 11.7 0.0 34.1
203 18.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100756.D

Acq: 21 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

NB-08-111717

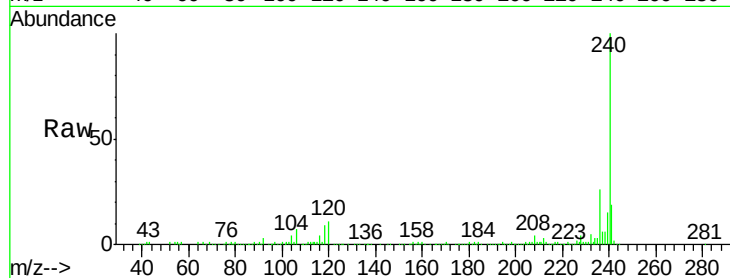
Tgt Ion:240 Resp: 181611

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

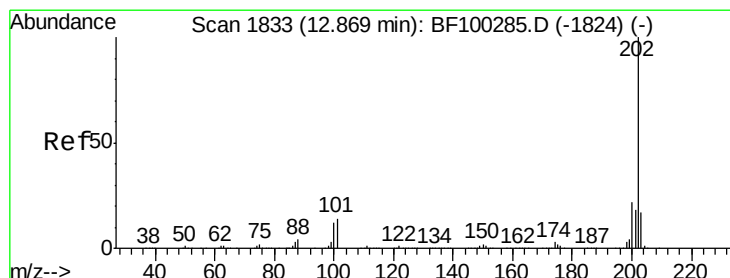
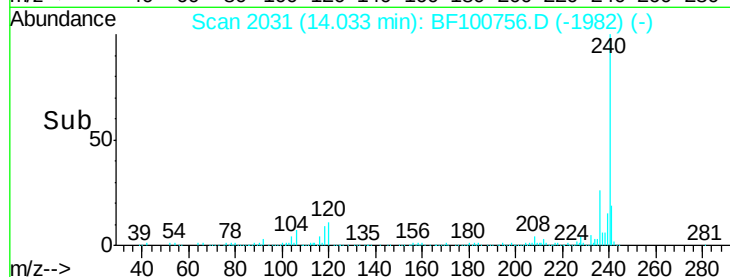
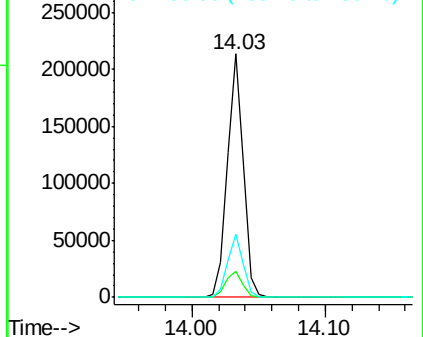
236 25.7 20.7 31.1



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



#77

Pyrene

Concen: 5.98 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF100756.D

Acq: 21 Nov 2017 3:01

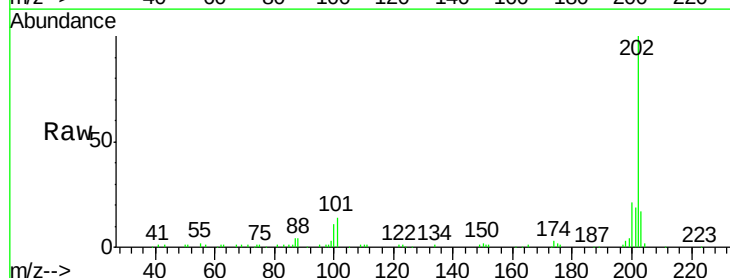
Tgt Ion:202 Resp: 77476

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

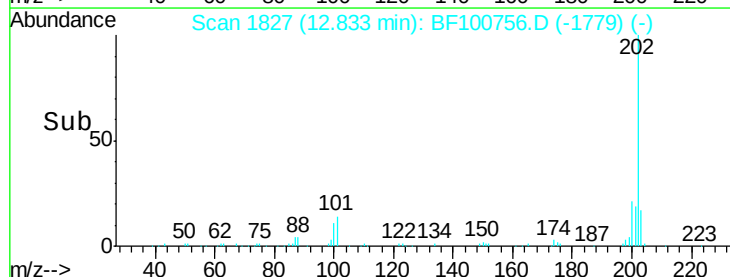
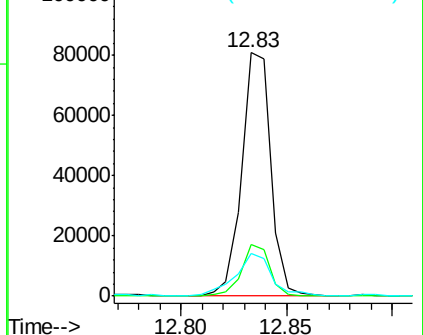
203 17.5 14.3 21.5

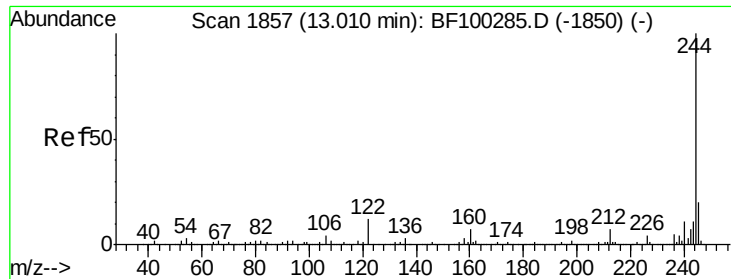


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

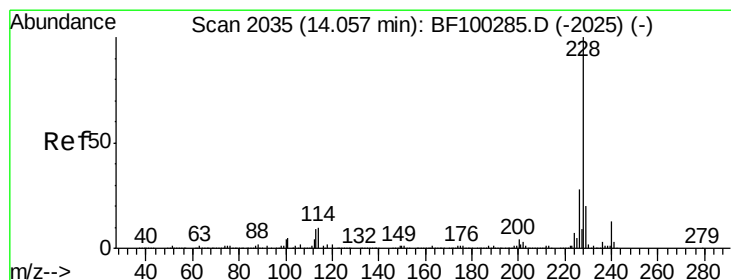
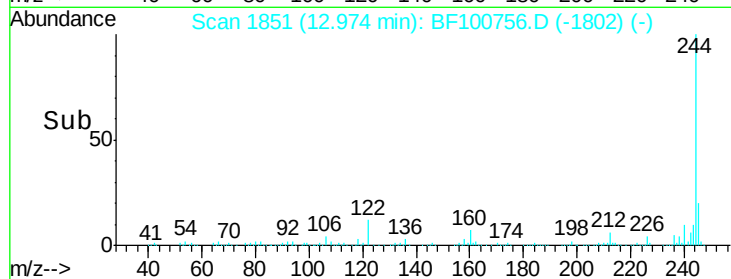
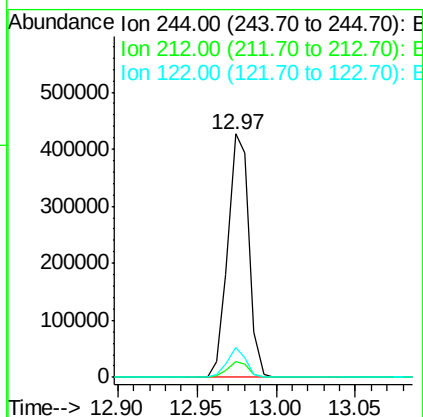
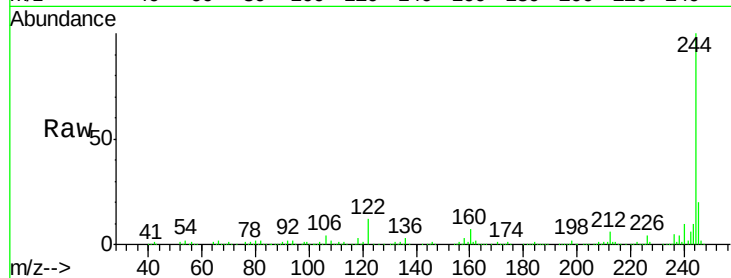




#78
 Terphenyl-d14
 Concen: 49.97 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF100756.D
 Acq: 21 Nov 2017 3:01

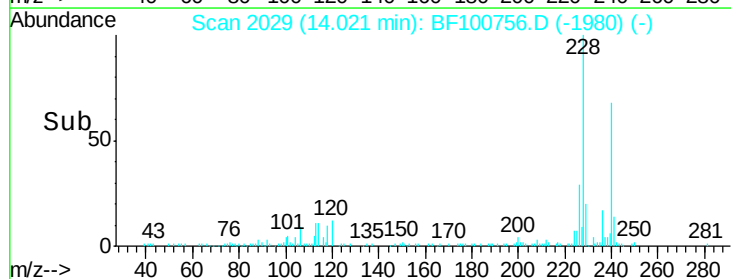
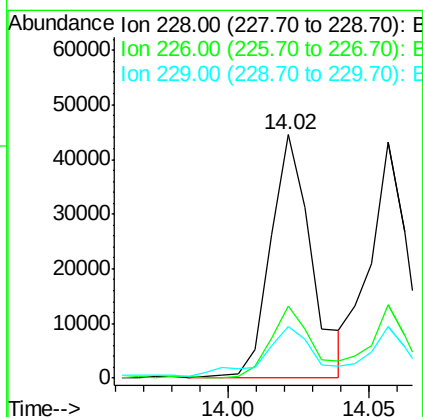
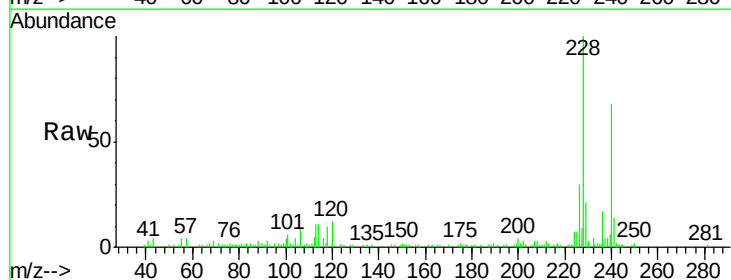
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-111717

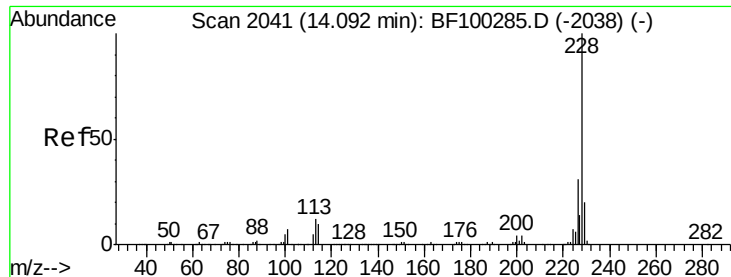
Tgt Ion: 244 Resp: 394981
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 12.2 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.09 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF100756.D
 Acq: 21 Nov 2017 3:01

Tgt Ion: 228 Resp: 44686
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.6 33.8
 229 21.3 15.8 23.6





#82

Chrysene

Concen: 3.76 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF100756.D

Acq: 21 Nov 2017 3:01

Instrument :

BNA_F

ClientSampleId :

NB-08-111717

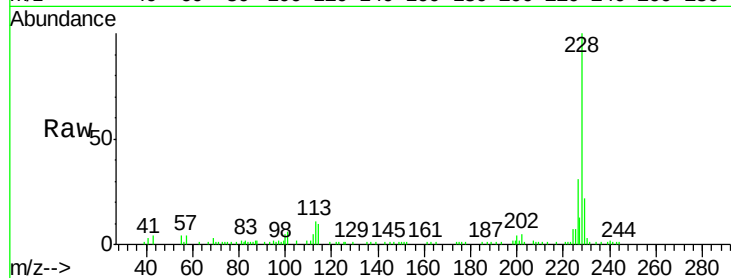
Tgt Ion:228 Resp: 39792

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

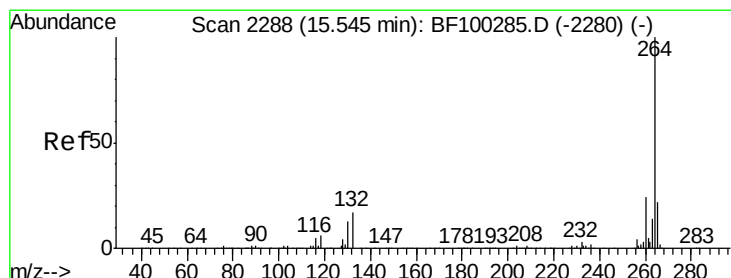
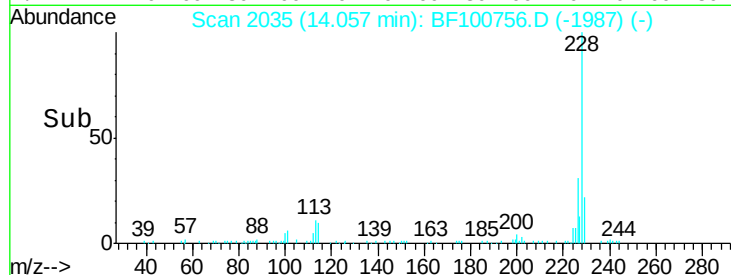
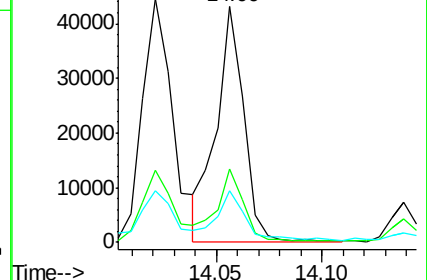
229 21.9 16.2 24.4



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# 2281

Delta R.T. -0.01 min

Lab File: BF100756.D

Acq: 21 Nov 2017 3:01

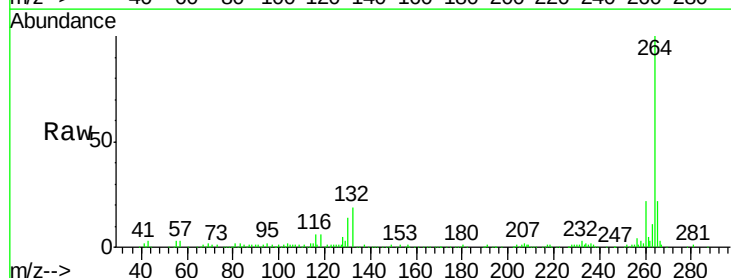
Tgt Ion:264 Resp: 148355

Ion Ratio Lower Upper

264 100

260 22.5 19.2 28.8

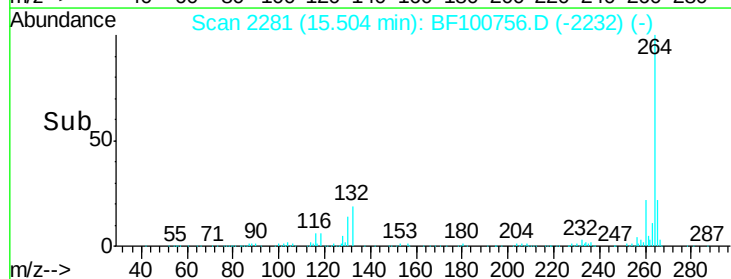
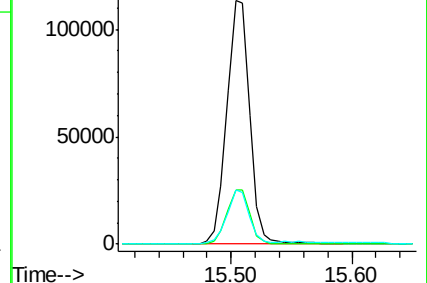
265 22.1 17.5 26.3

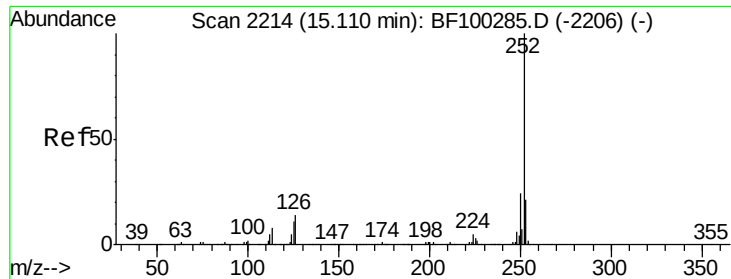


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

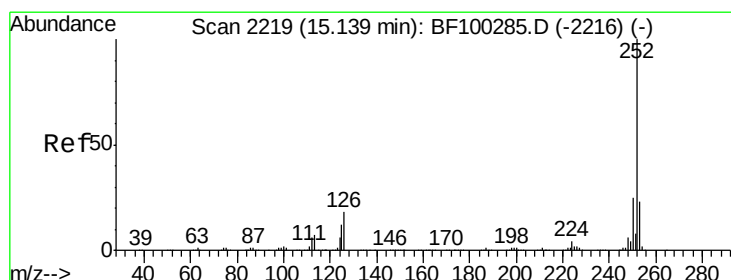
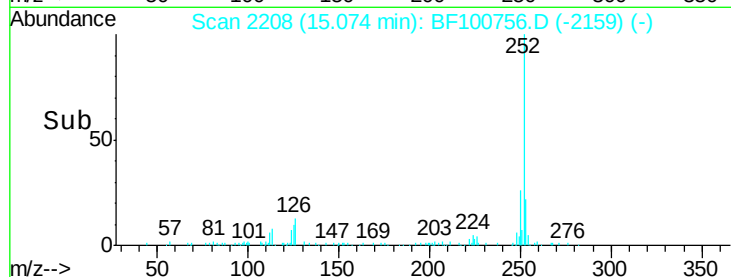
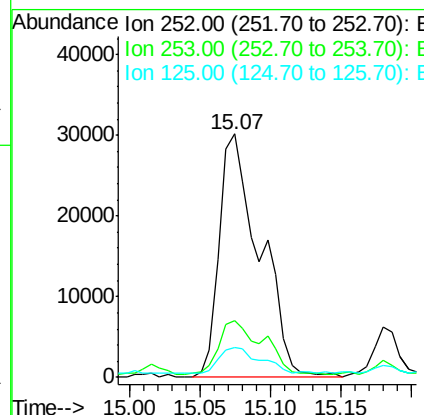
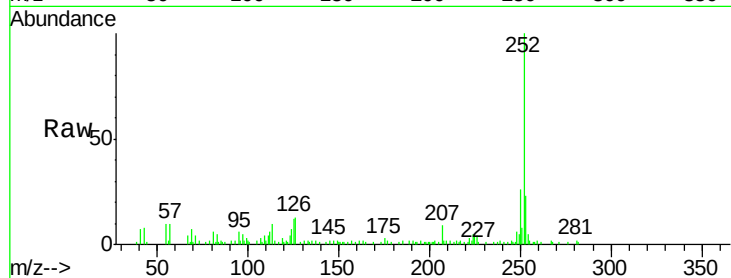




#87
Benzo(b)fluoranthene
Concen: 6.89 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF100756.D
Acq: 21 Nov 2017 3:01

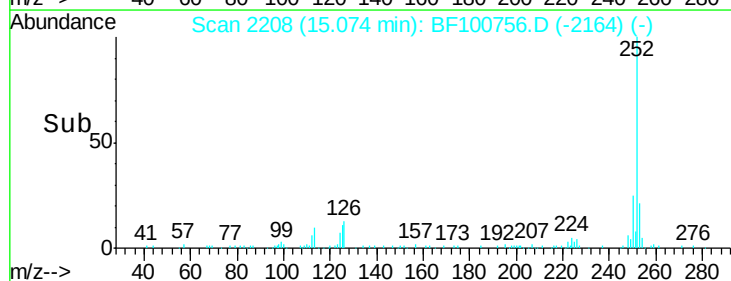
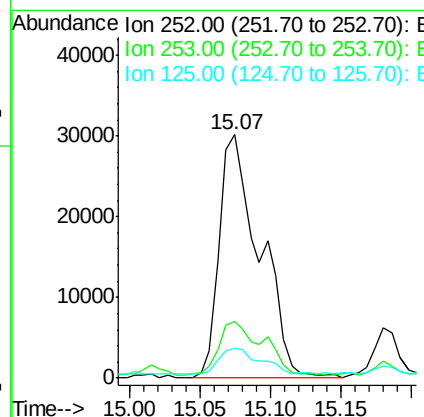
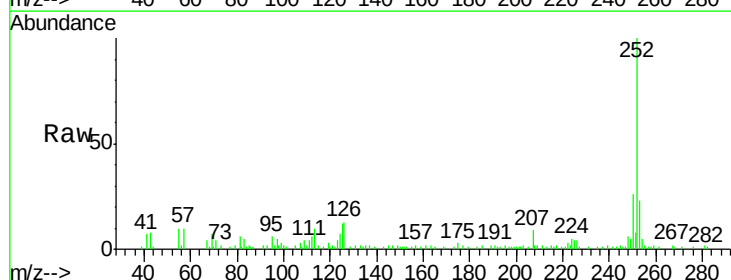
Instrument :
BNA_F
ClientSampleId :
NB-08-111717

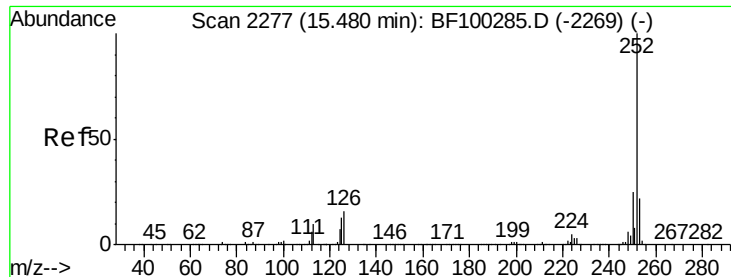
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	12.5	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 7.29 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF100756.D
Acq: 21 Nov 2017 3:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	12.5	10.2	15.2

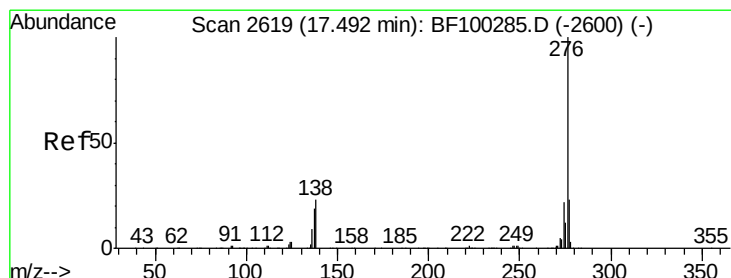
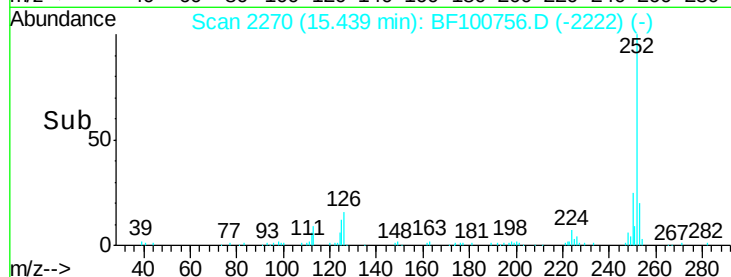
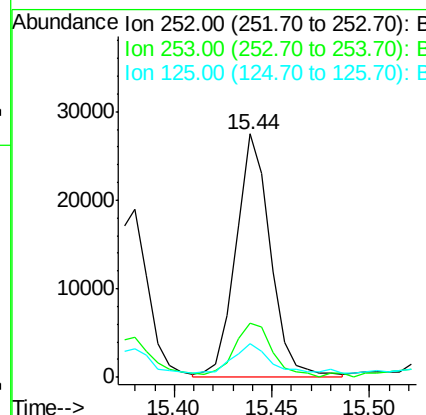
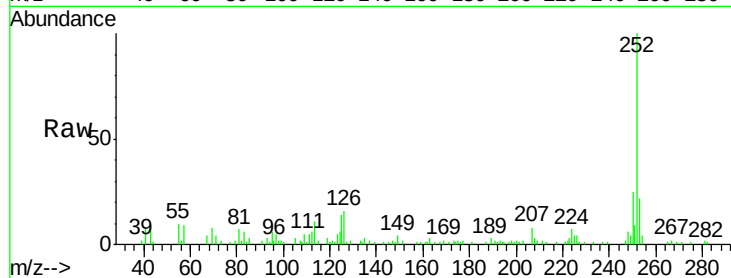




#89
Benzo(a)pyrene
Concen: 4.34 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF100756.D
Acq: 21 Nov 2017 3:01

Instrument :
BNA_F
ClientSampleId :
NB-08-111717

Tgt Ion: 252 Resp: 33799
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 13.9 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 2.49 ng
RT: 17.43 min Scan# 2608
Delta R.T. -0.03 min
Lab File: BF100756.D
Acq: 21 Nov 2017 3:01

Tgt Ion: 276 Resp: 15550
Ion Ratio Lower Upper
276 100
277 24.8 17.9 26.9
138 19.4 21.8 32.8#

