

Data File : BF100744.D
Acq On : 20 Nov 2017 21:40
Operator : SJ/JU
Sample : I6304-12 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-A

Quant Time: Nov 21 03:31:15 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	109588	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	421417	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	188145	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	318682	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	221858	20.00	ng	-0.01
86) Perylene-d12	15.50	264	266903	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	63583	9.30	ng	-0.02
7) Phenol-d6	6.48	99	77949	9.25	ng	-0.03
23) Nitrobenzene-d5	7.43	82	45062	7.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	18588	9.70	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	99036	8.02	ng	-0.02
78) Terphenyl-d14	12.97	244	66542	6.89	ng	-0.02

Target Compounds						Qvalue
25) Isophorone	7.43	82	45061	3.36	ng	# 64
47) 2-Nitroaniline	9.56	65	320	2.87	ng	# 2
50) 2,6-Dinitrotoluene	9.90	165	25336	8.91	ng	# 25
51) Acenaphthene	9.94	154	28209	2.37	ng	95
55) 4-Nitrophenol	10.11	139	11109	4.07	ng	# 9
57) Fluorene	10.45	166	65947	5.40	ng	100
70) Phenanthrene	11.42	178	439045	26.17	ng	99
71) Anthracene	11.47	178	102595	6.03	ng	97
74) Fluoranthene	12.60	202	305339	17.17	ng	97
77) Pyrene	12.83	202	279695	17.69	ng	99
80) Benzo(a)anthracene	14.02	228	116692	8.73	ng	96
82) Chrysene	14.06	228	105431	8.15	ng	96
85) Indeno(1,2,3-cd)pyrene	16.97	276	46548	4.45	ng	# 91
87) Benzo(b)fluoranthene	15.07	252	140731	8.90	ng	95
88) Benzo(k)fluoranthene	15.07	252	140731	9.42	ng	97
89) Benzo(a)pyrene	15.44	252	91044	6.49	ng	98
91) Benzo(g,h,i)perylene	17.42	276	41933	3.74	ng	94

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

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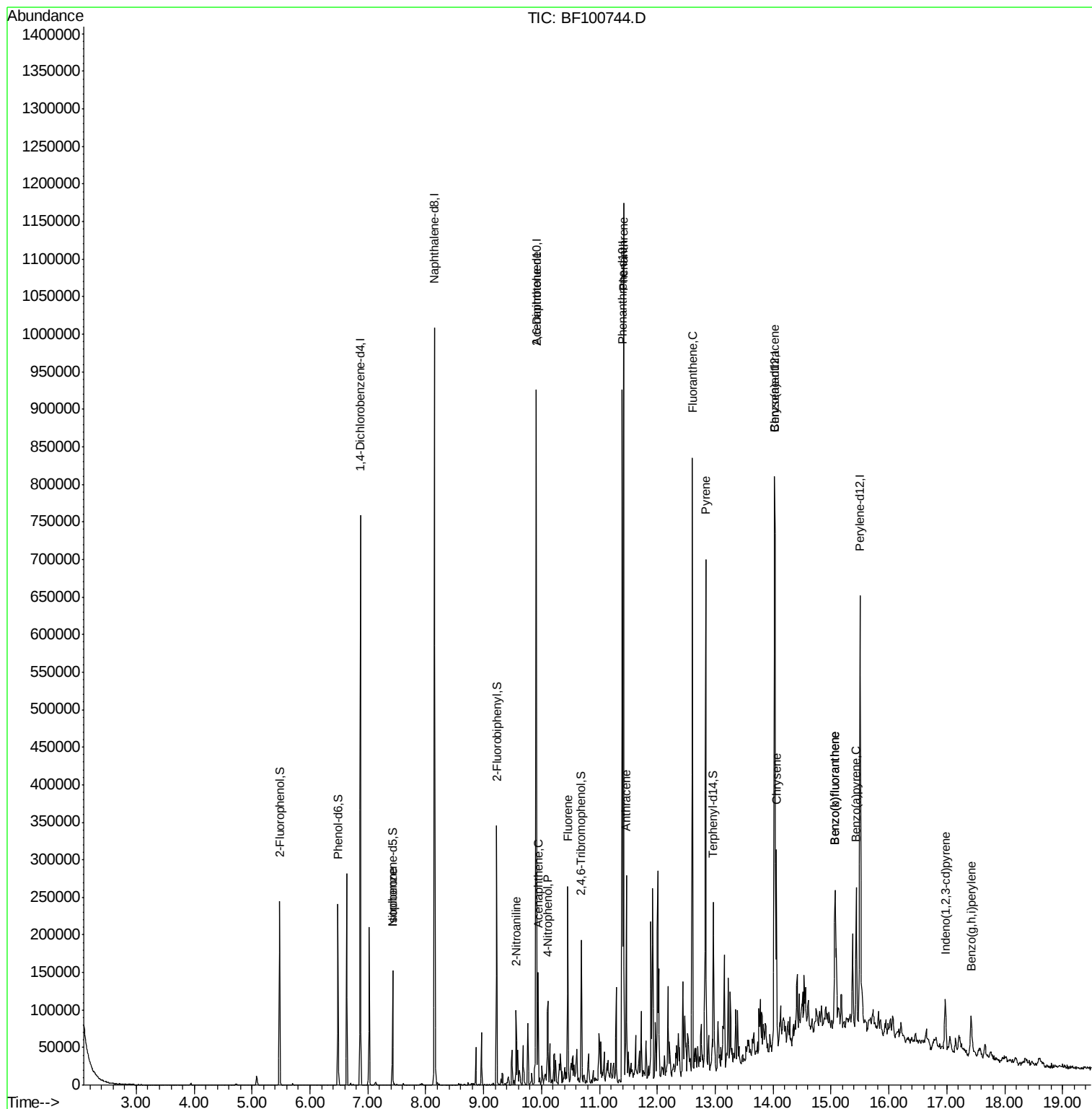
Quant Time: Nov 21 03:31:15 2017

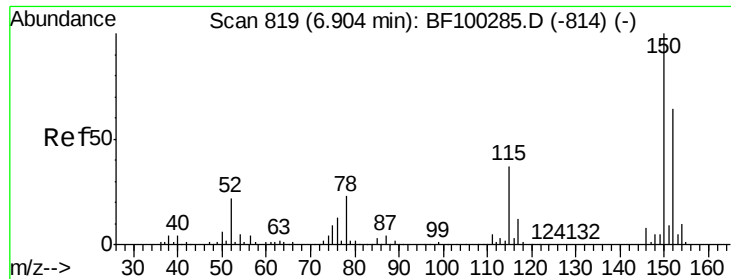
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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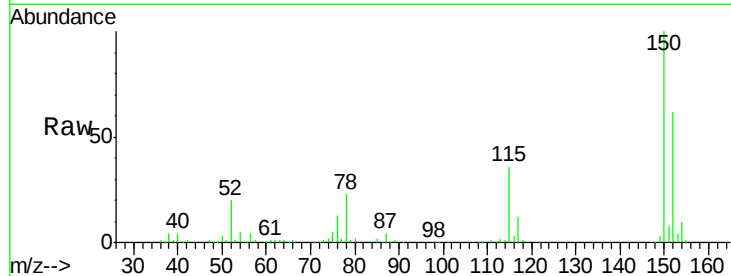


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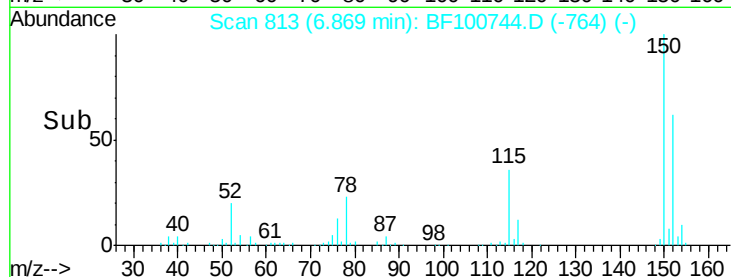
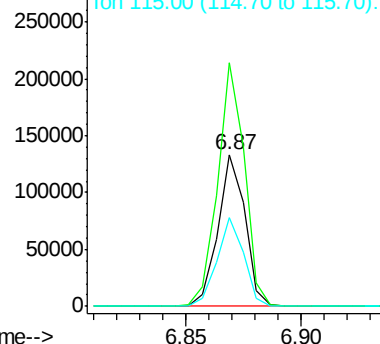
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-A

Tgt Ion:152 Resp: 109588
Ion Ratio Lower Upper
152 100
150 160.4 124.6 186.8
115 58.2 50.1 75.1



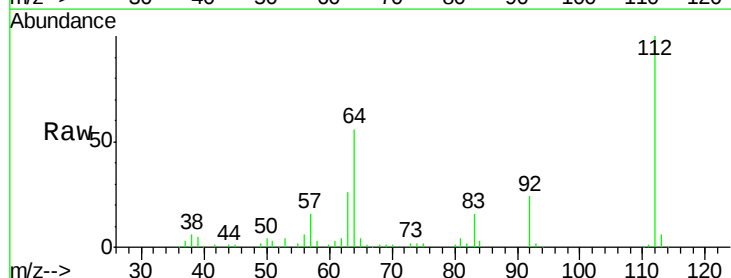
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



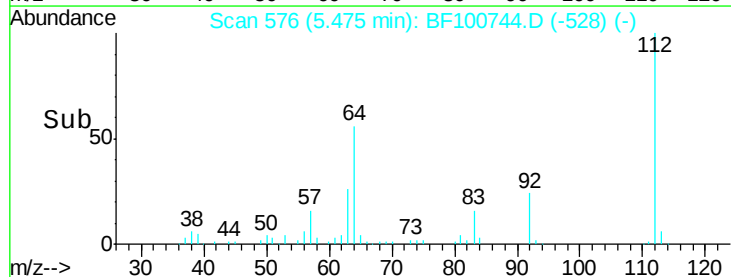
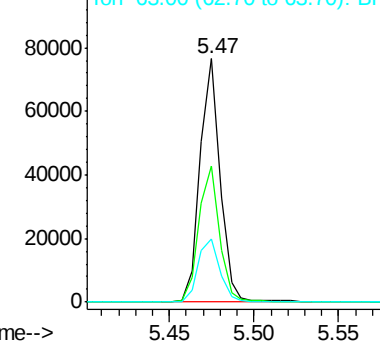
#5

2-Fluorophenol
Concen: 9.30 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Tgt Ion:112 Resp: 63583
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 26.1 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: 9.25 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-A

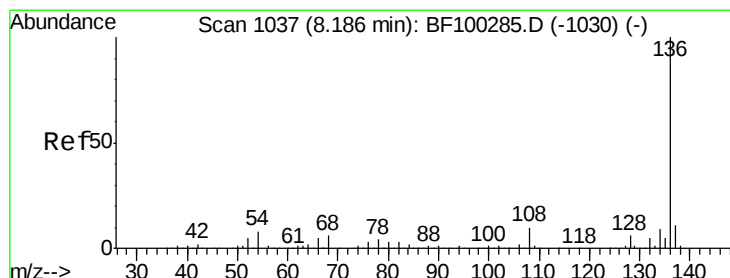
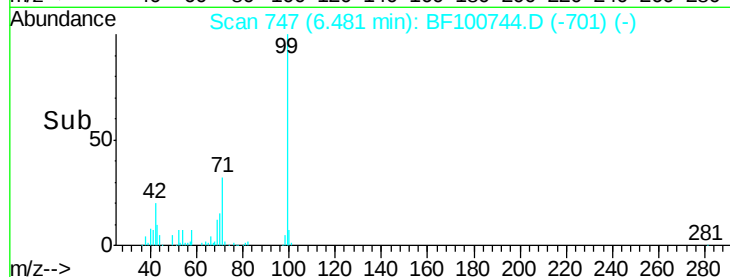
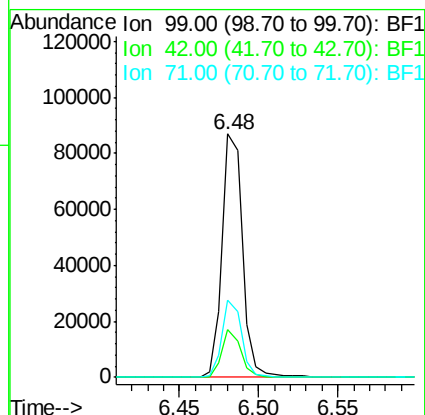
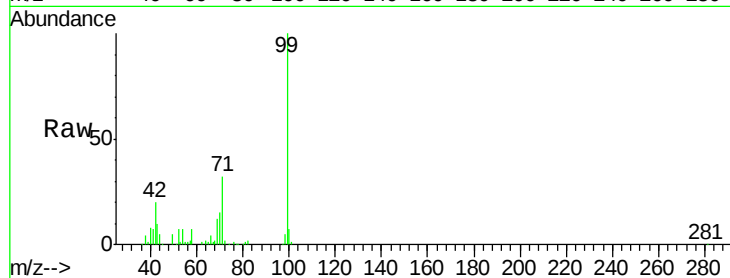
Tgt Ion: 99 Resp: 77949

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 31.6 25.4 38.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Tgt Ion: 136 Resp: 421417

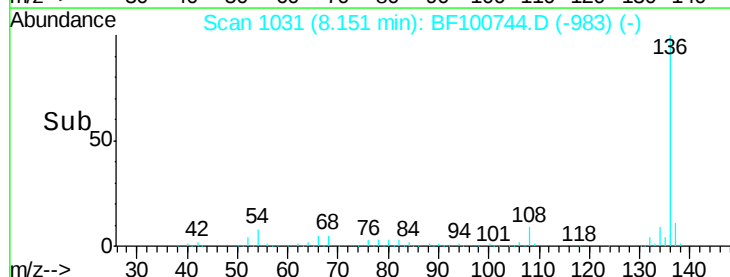
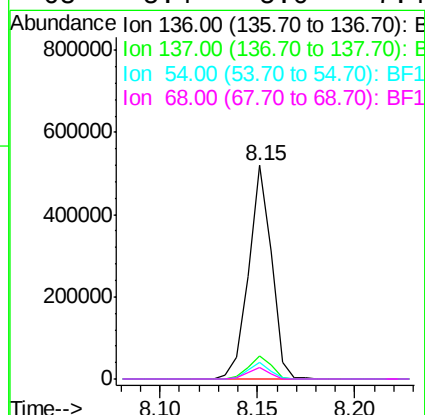
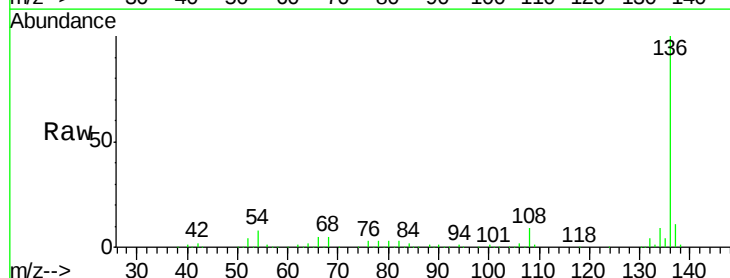
Ion Ratio Lower Upper

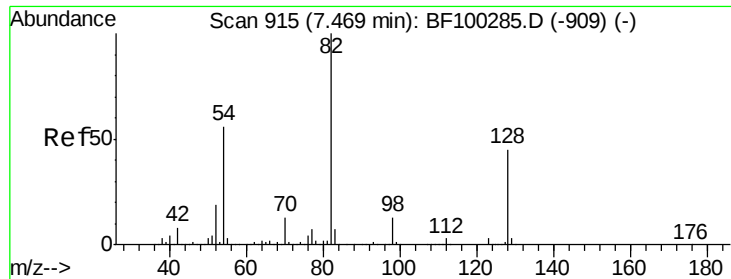
136 100

137 10.8 8.9 13.3

54 8.1 6.6 9.8

68 5.4 5.0 7.4

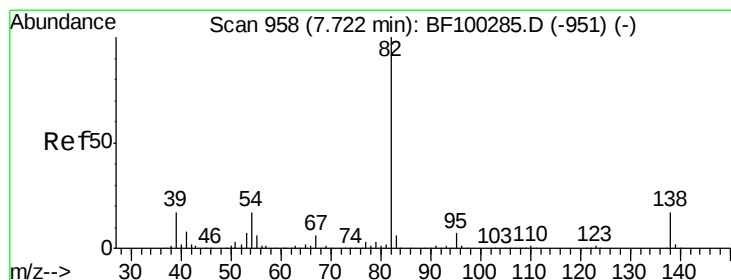
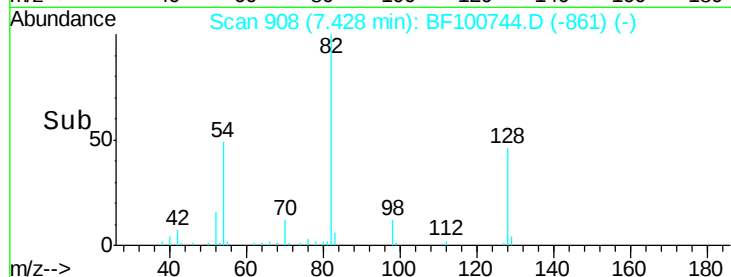
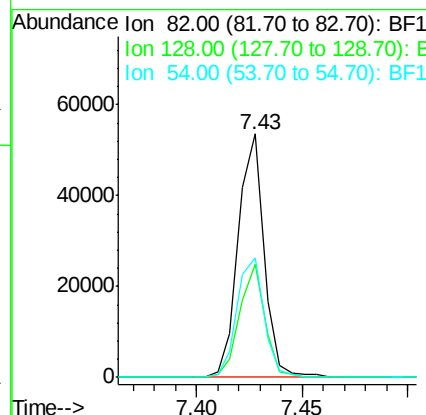
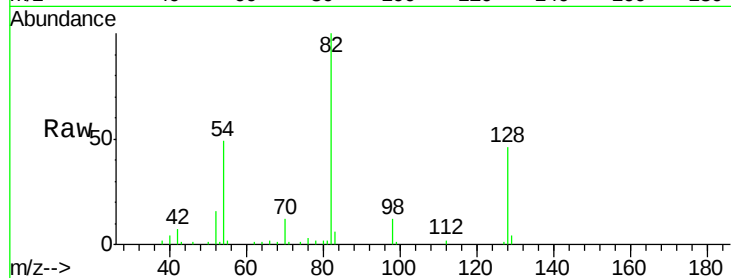




#23
 Nitrobenzene-d5
 Concen: 7.07 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.02 min
 Lab File: BF100744.D
 Acq: 20 Nov 2017 21:40

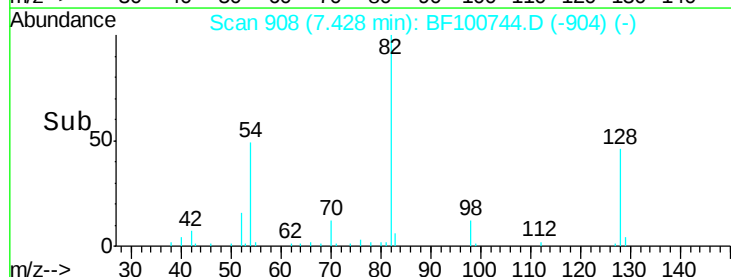
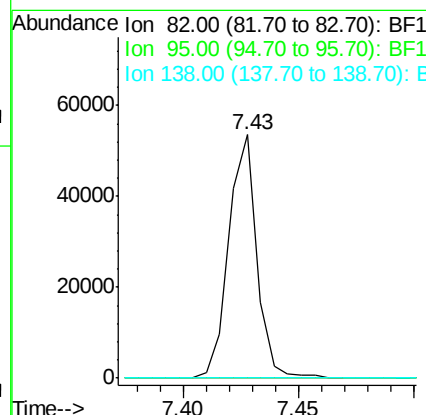
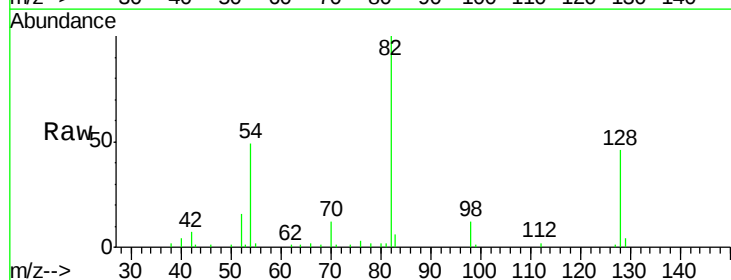
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-A

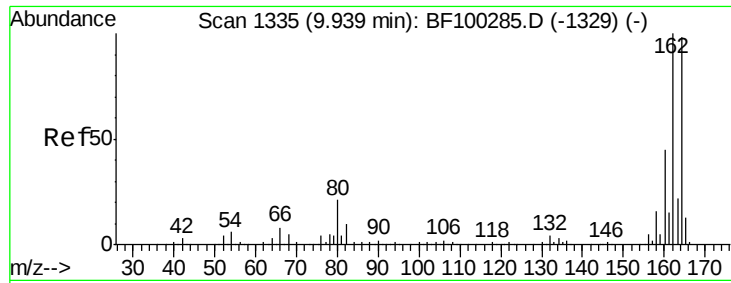
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	49.2	41.4	62.2



#25
 Isophorone
 Concen: 3.36 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.28 min
 Lab File: BF100744.D
 Acq: 20 Nov 2017 21:40

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

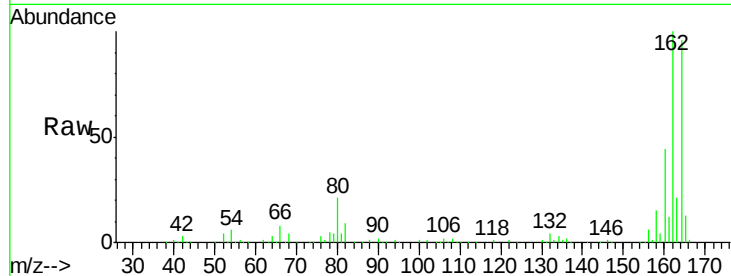




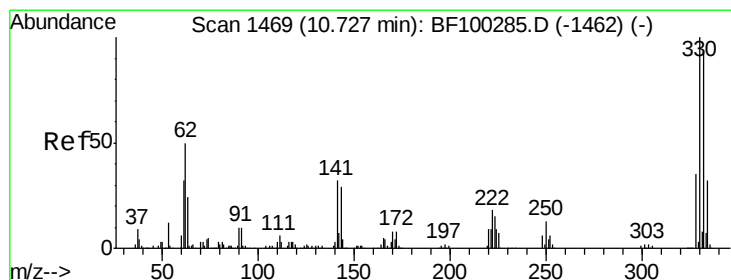
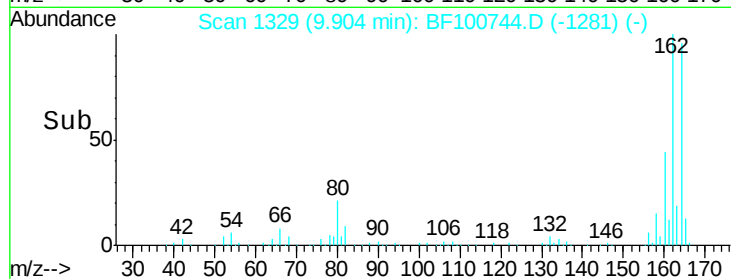
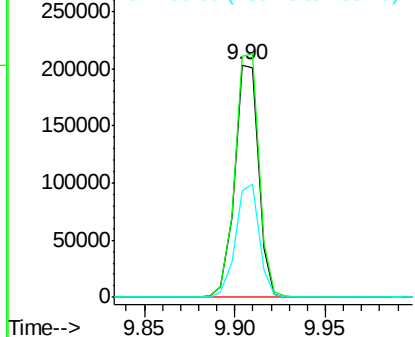
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: BF100744.D
 Acq: 20 Nov 2017 21:40

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-A

Tgt Ion:164 Resp: 188145
 Ion Ratio Lower Upper
 164 100
 162 103.9 86.1 129.1
 160 46.0 38.3 57.5

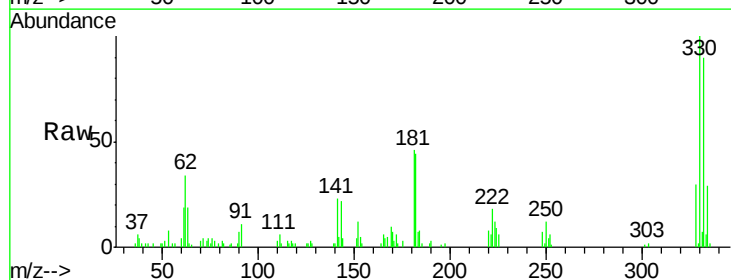


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

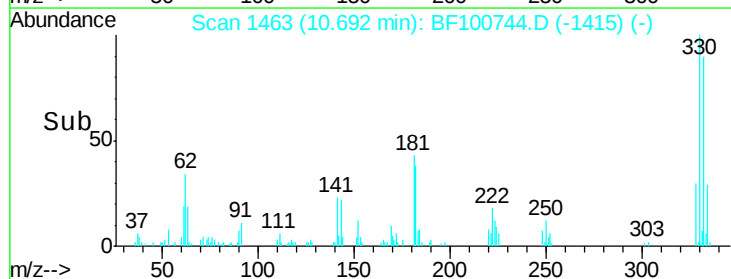
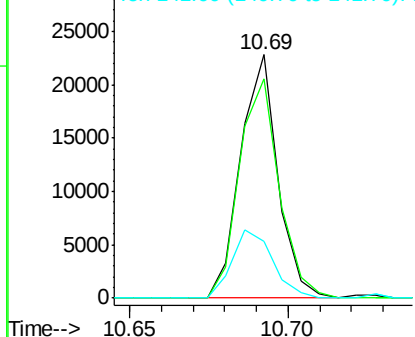


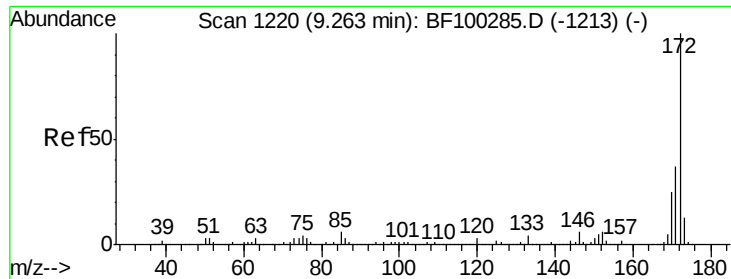
#41
 2,4,6-Tribromophenol
 Concen: 9.70 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.02 min
 Lab File: BF100744.D
 Acq: 20 Nov 2017 21:40

Tgt Ion:330 Resp: 18588
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 30.4 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

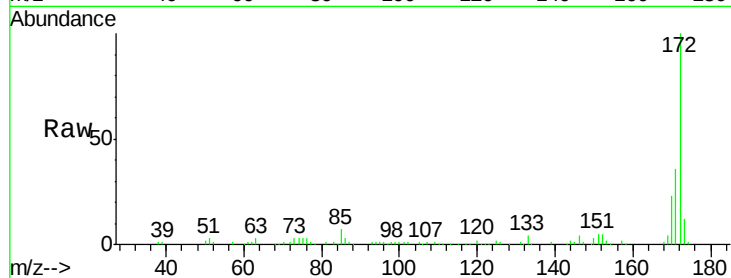




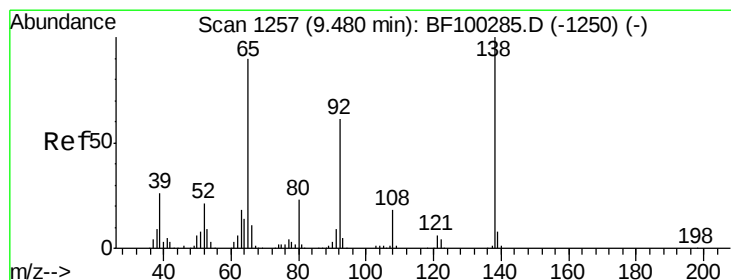
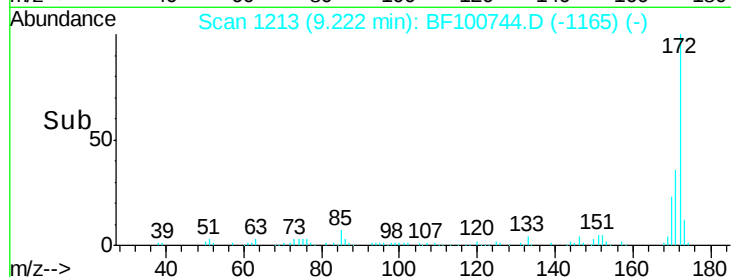
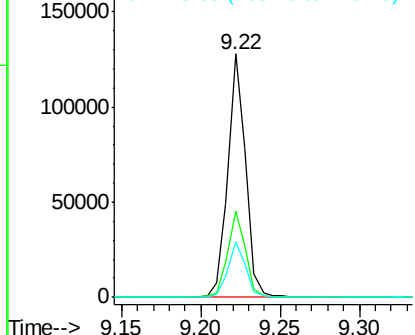
#44
2-Fluorobiphenyl
Concen: 8.02 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-A

Tgt Ion: 172 Resp: 99036
Ion Ratio Lower Upper
172 100
171 35.5 29.7 44.5
170 22.8 19.6 29.4

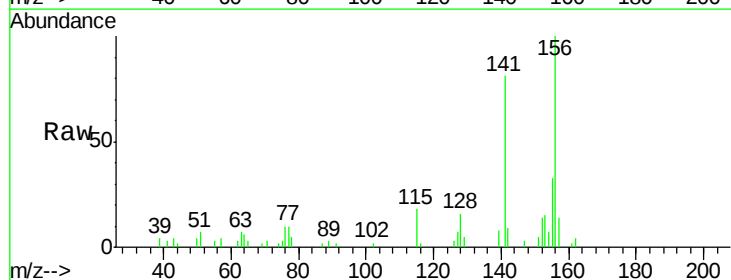


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

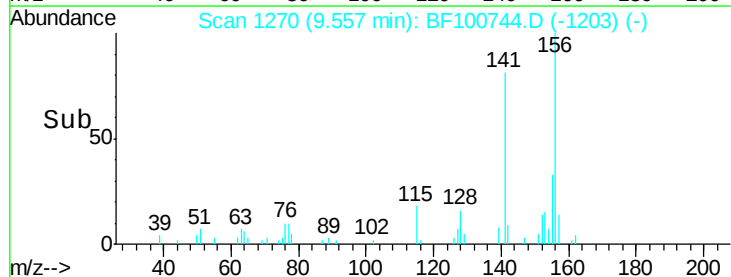
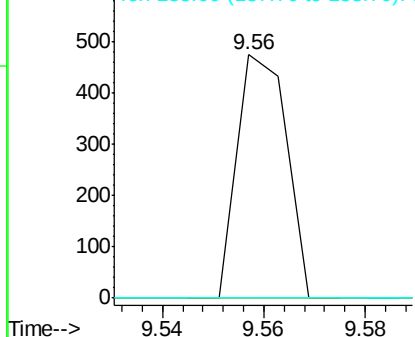


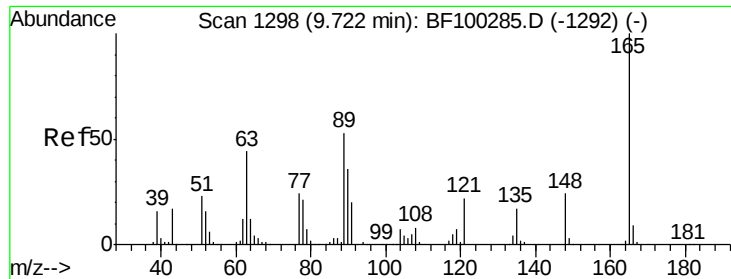
#47
2-Nitroaniline
Concen: 2.87 ng
RT: 9.56 min Scan# 1270
Delta R.T. 0.09 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Tgt Ion: 65 Resp: 320
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

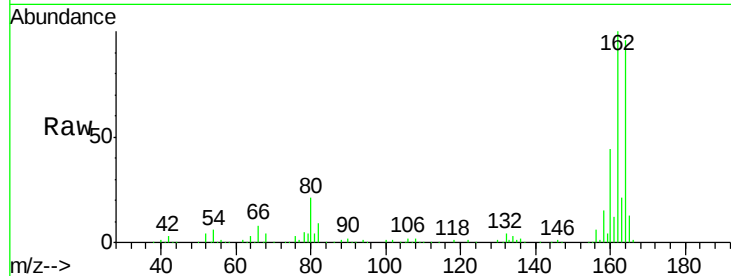




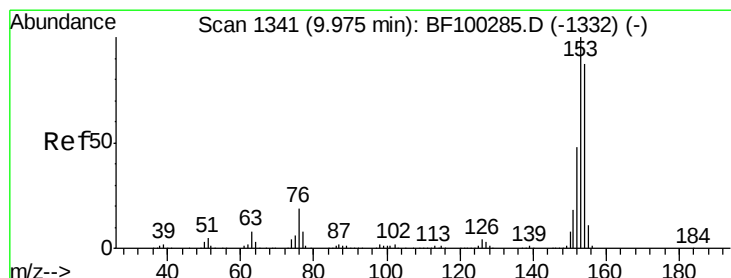
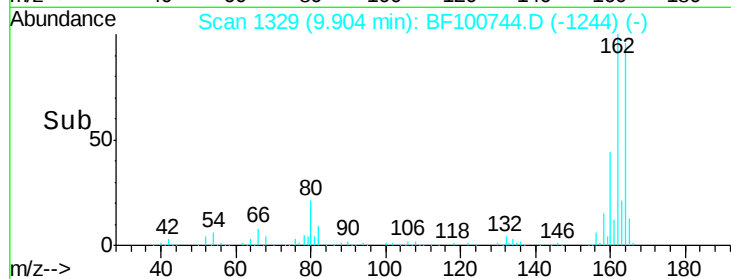
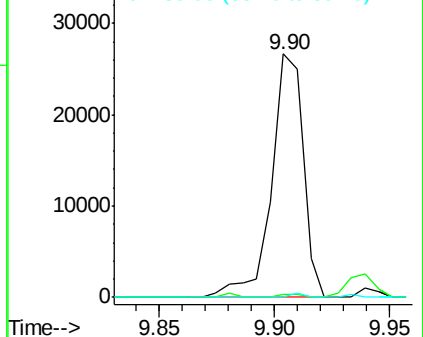
#50
 2,6-Dinitrotoluene
 Concen: 8.91 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.20 min
 Lab File: BF100744.D
 Acq: 20 Nov 2017 21:40

Instrument :
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 CL-01-111617-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	0.0	44.0	66.0#

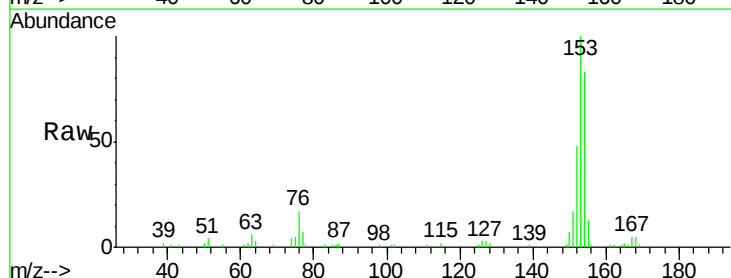


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

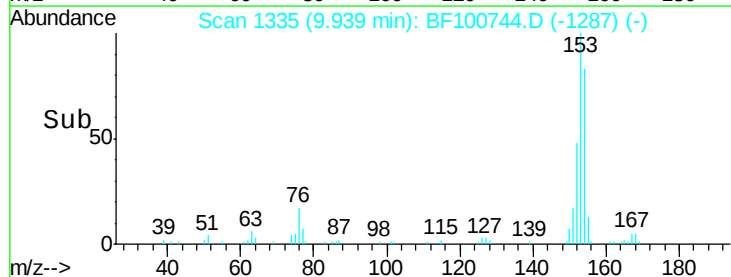
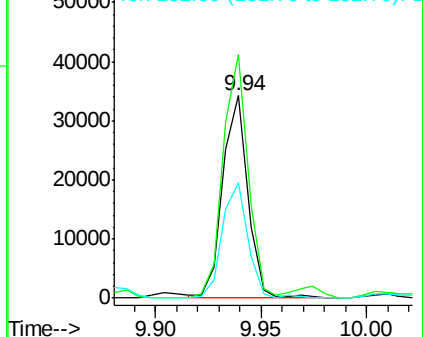


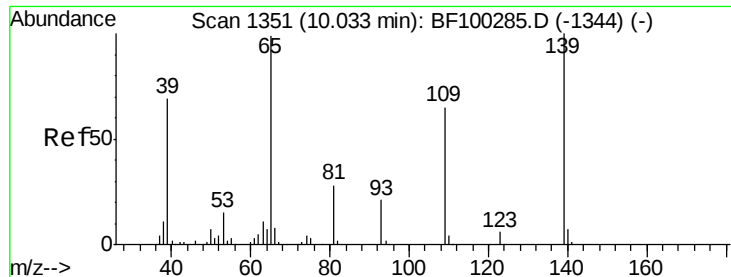
#51
 Acenaphthene
 Concen: 2.37 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.02 min
 Lab File: BF100744.D
 Acq: 20 Nov 2017 21:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	120.4	91.2	136.8
152	57.4	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

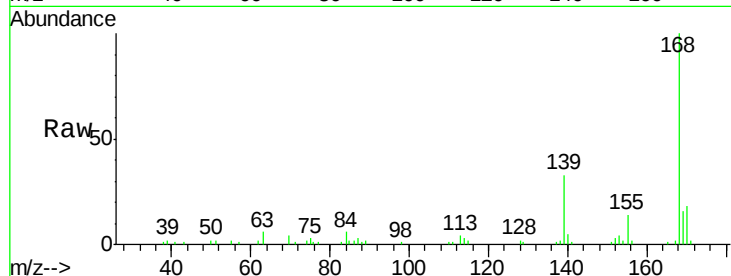




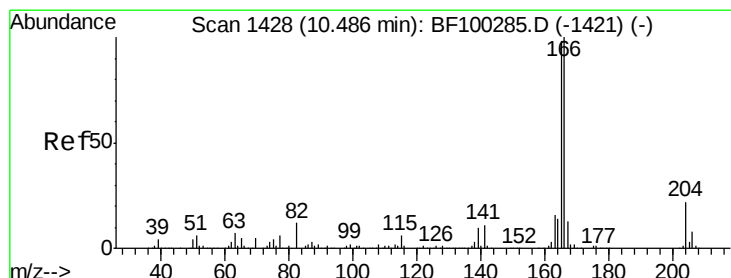
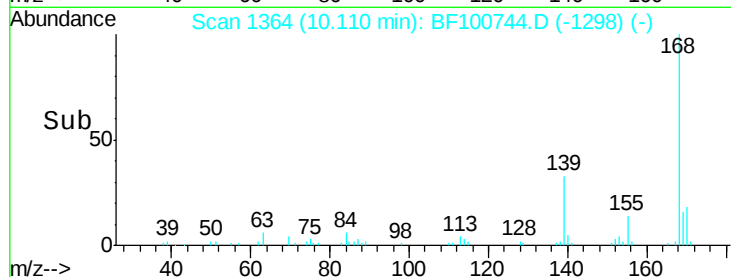
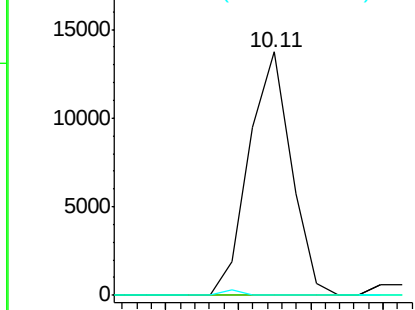
#55
4-Nitrophenol
Concen: 4.07 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.09 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-A

Tgt Ion:139 Resp: 11109
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

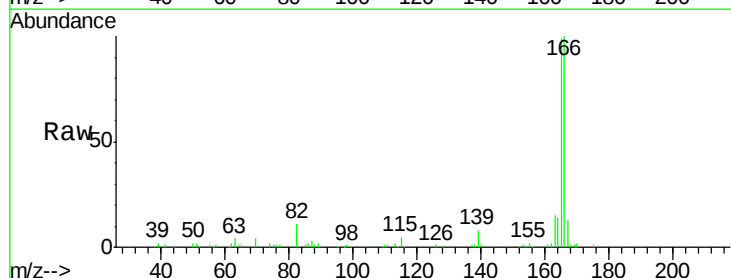


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

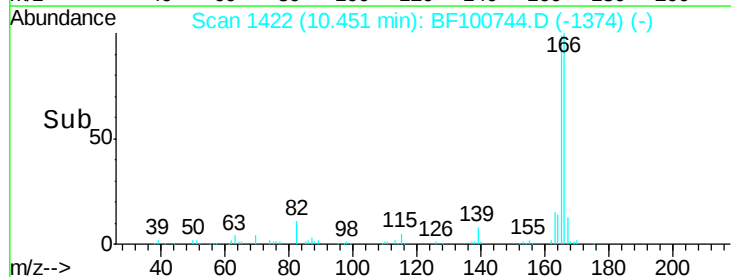
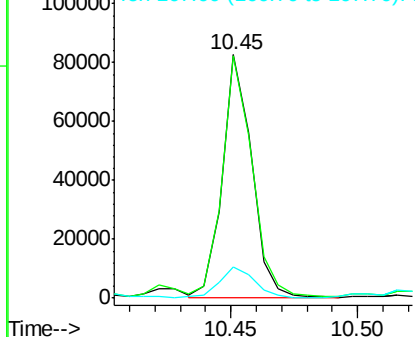


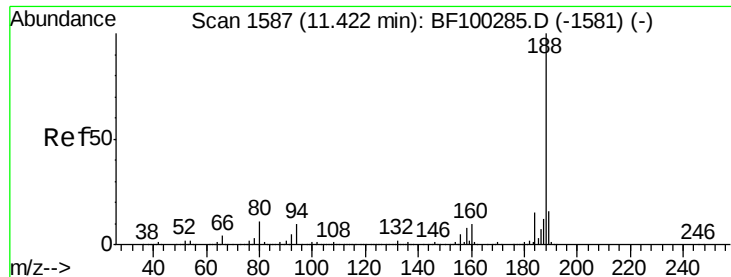
#57
Fluorene
Concen: 5.40 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Tgt Ion:166 Resp: 65947
Ion Ratio Lower Upper
166 100
165 99.5 79.8 119.8
167 12.9 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

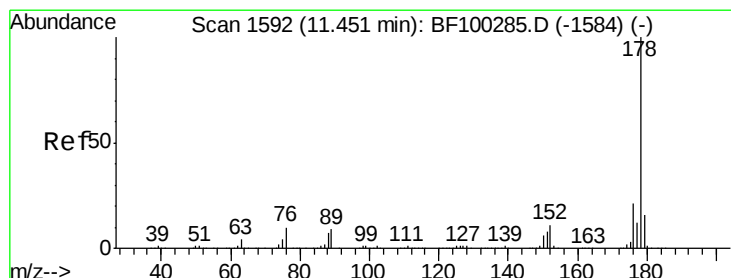
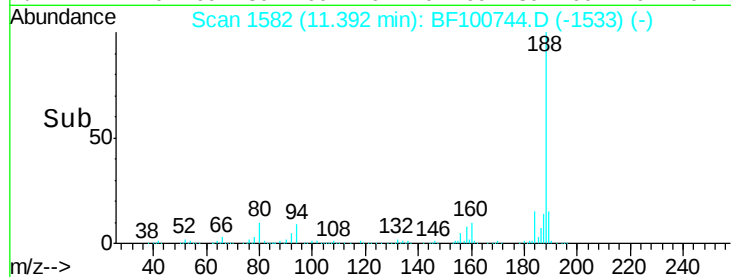
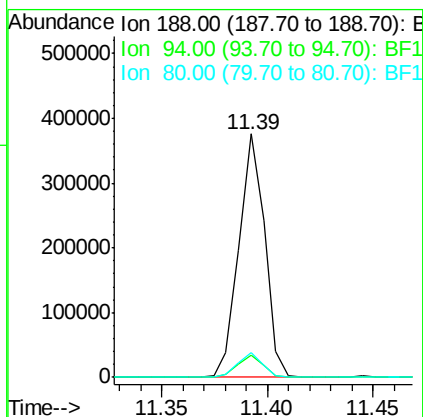
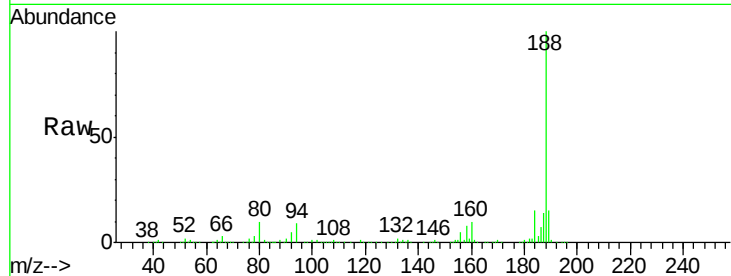




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

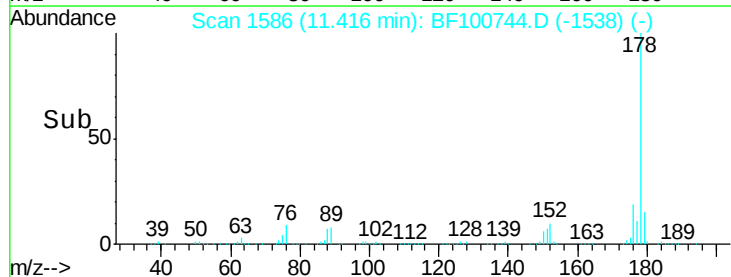
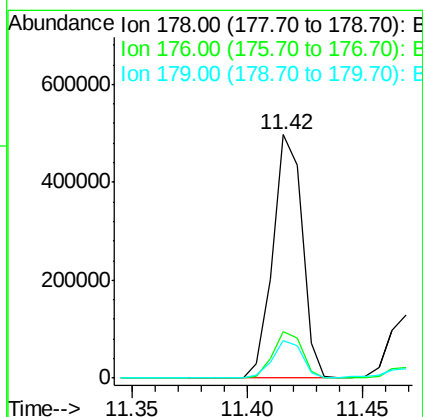
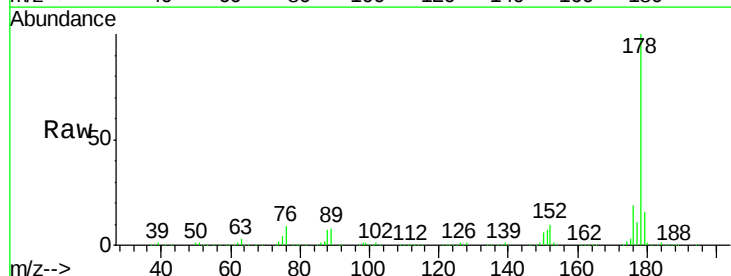
Instrument :
BNA_F
ClientSampleId :
CL-01-111617-A

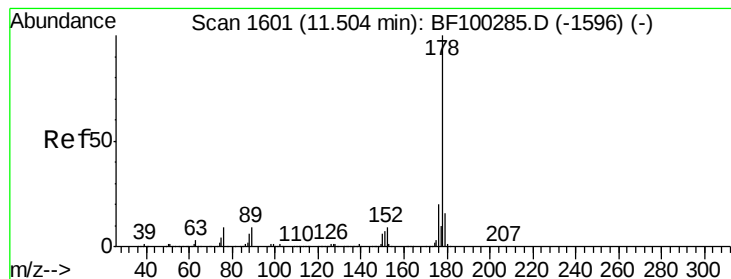
Tgt Ion:188 Resp: 318682
Ion Ratio Lower Upper
188 100
94 9.1 8.5 12.7
80 10.1 9.2 13.8



#70
Phenanthrene
Concen: 26.17 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Tgt Ion:178 Resp: 439045
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.6 13.0 19.6





#71

Anthracene

Concen: 6.03 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-A

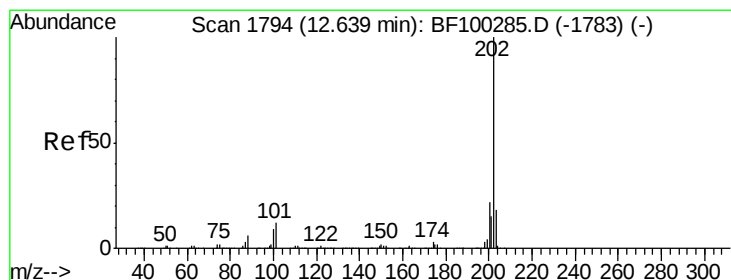
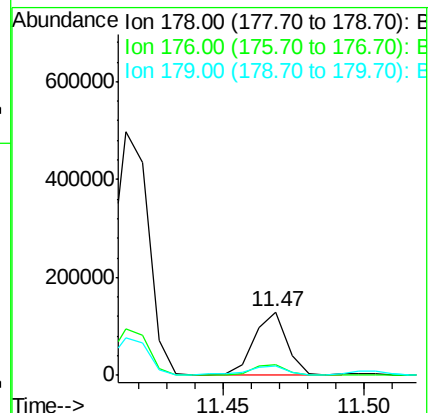
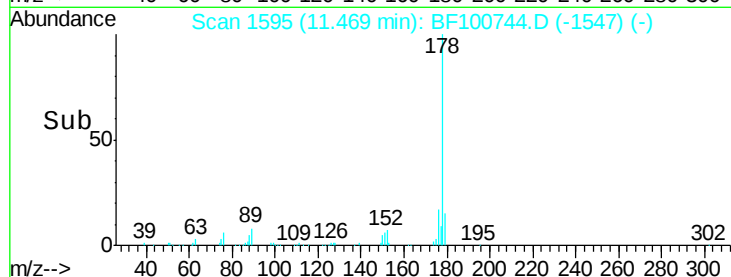
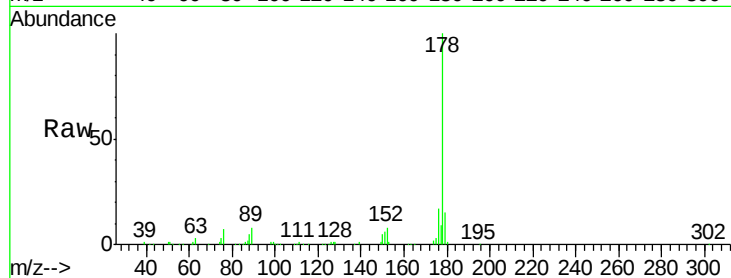
Tgt Ion:178 Resp: 102595

Ion Ratio Lower Upper

178 100

176 17.2 15.4 23.2

179 15.0 12.6 19.0



#74

Fluoranthene

Concen: 17.17 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

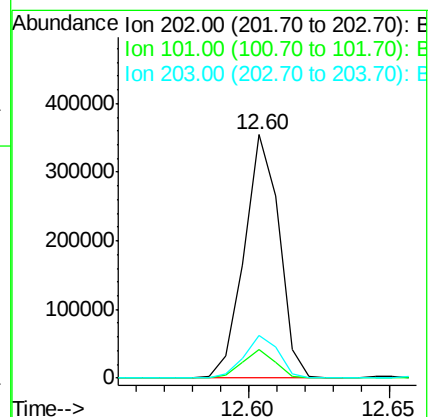
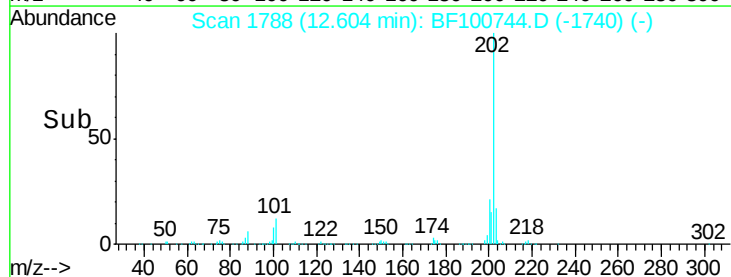
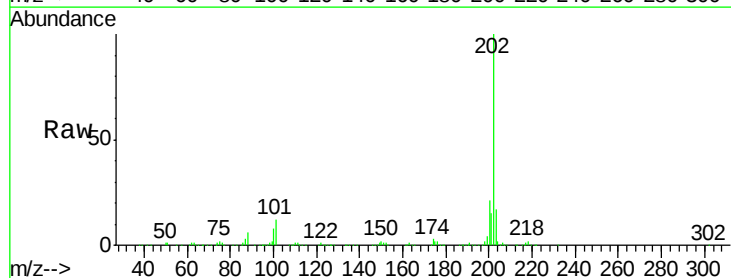
Tgt Ion:202 Resp: 305339

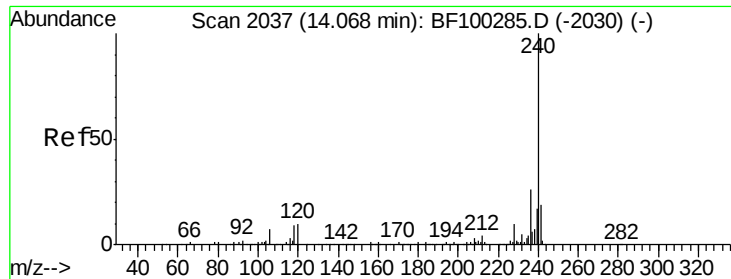
Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

203 17.4 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: BF100744.D

Acq: 20 Nov 2017 21:40

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-A

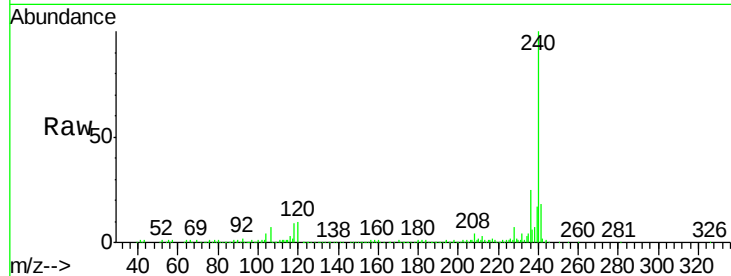
Tgt Ion:240 Resp: 221858

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

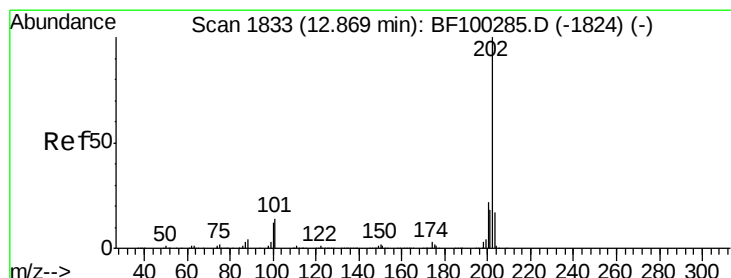
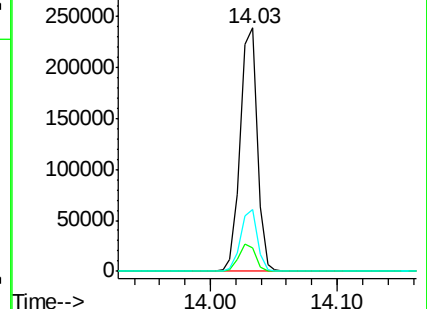
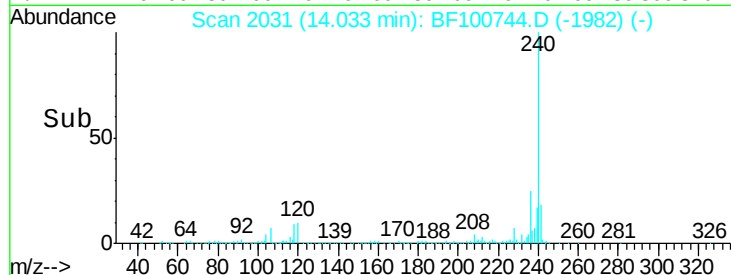
236 25.3 20.7 31.1



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: 17.69 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

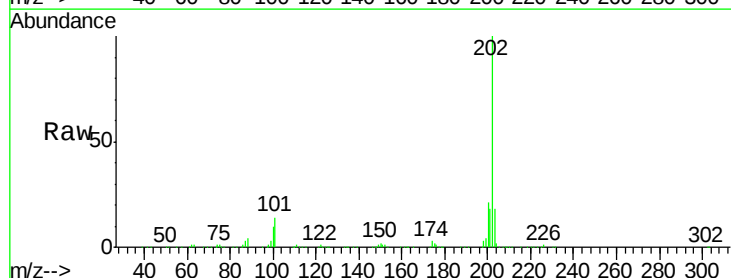
Tgt Ion:202 Resp: 279695

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

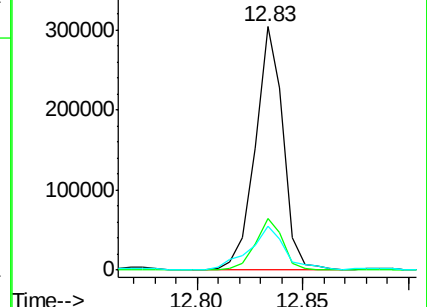
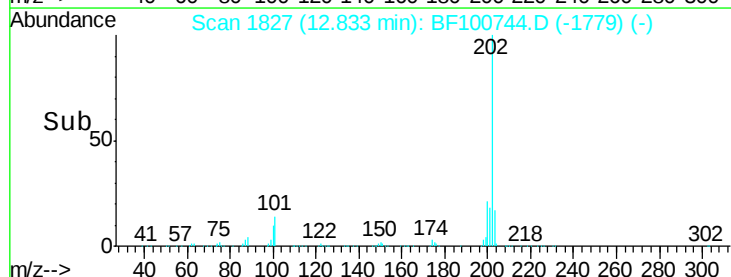
203 17.8 14.3 21.5

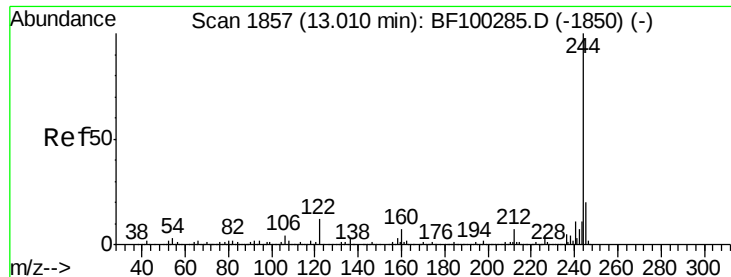


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.89 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-A

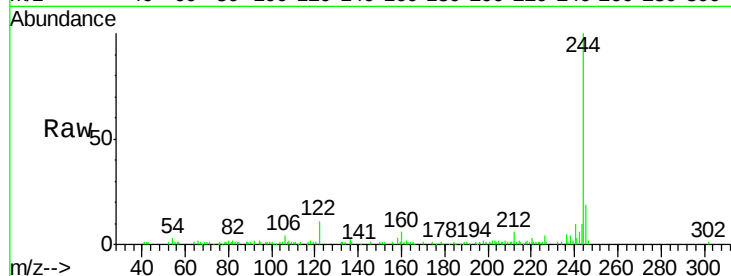
Tgt Ion:244 Resp: 66542

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

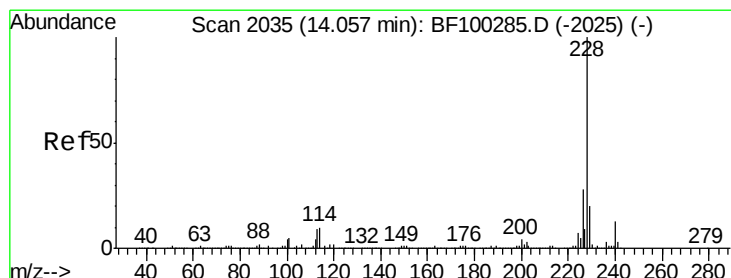
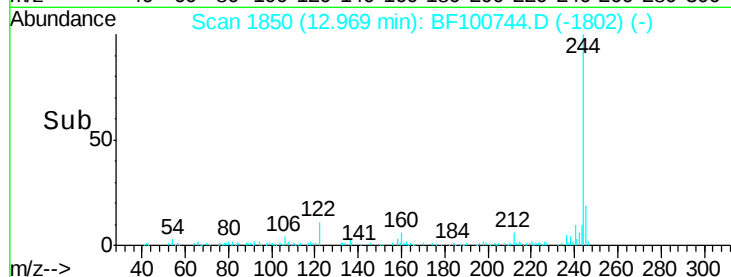
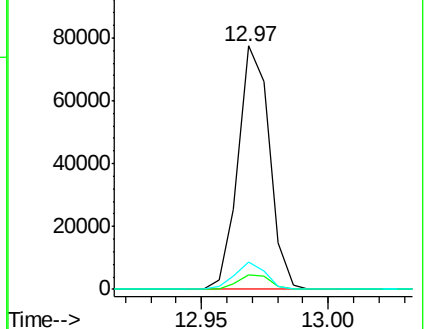
122 11.2 11.0 16.4



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: 8.73 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

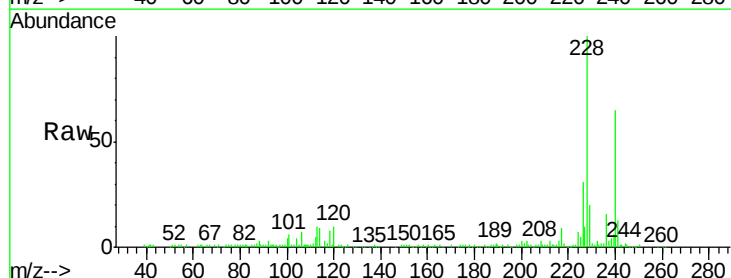
Tgt Ion:228 Resp: 116692

Ion Ratio Lower Upper

228 100

226 30.7 22.6 33.8

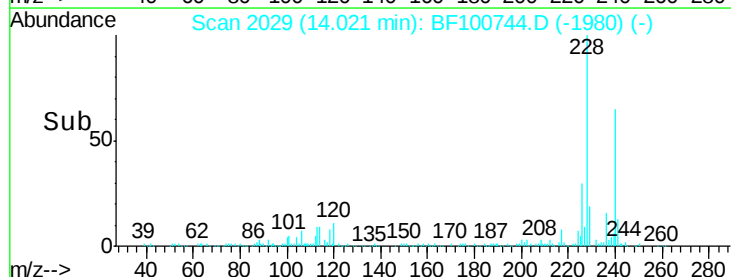
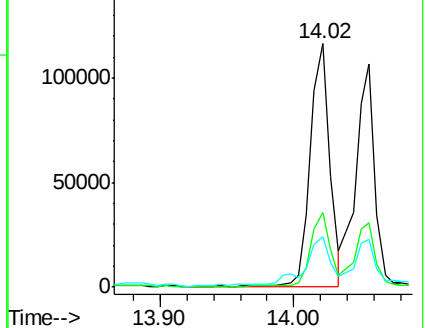
229 20.5 15.8 23.6

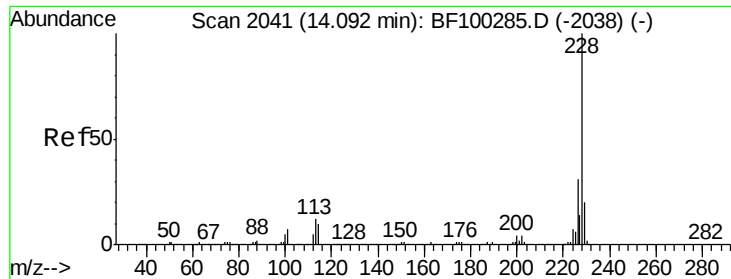


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.15 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-A

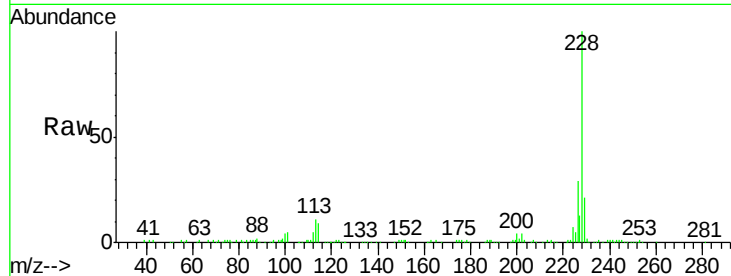
Tgt Ion:228 Resp: 105431

Ion Ratio Lower Upper

228 100

226 28.7 25.0 37.6

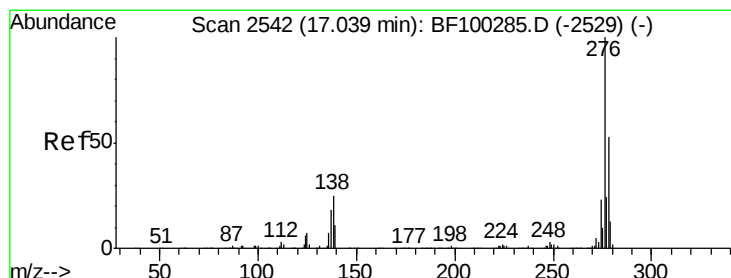
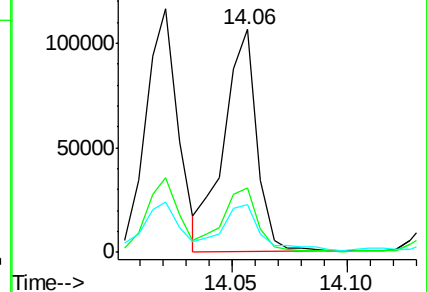
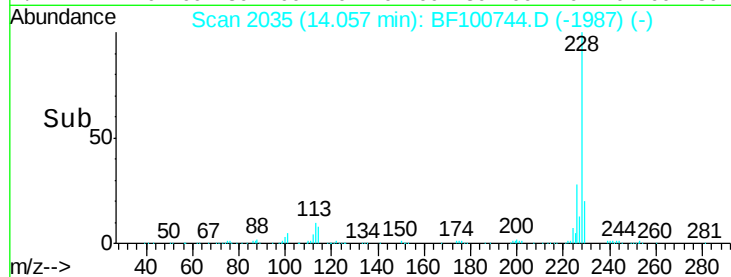
229 21.2 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.45 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.03 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

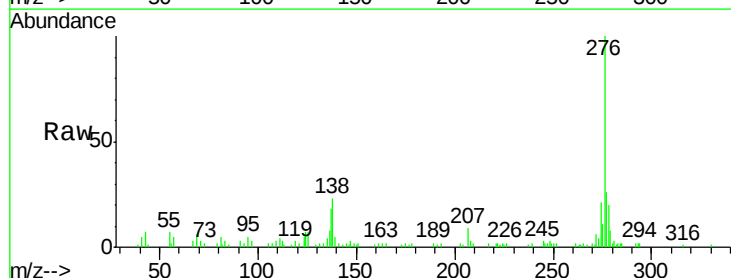
Tgt Ion:276 Resp: 46548

Ion Ratio Lower Upper

276 100

138 23.0 25.0 37.6#

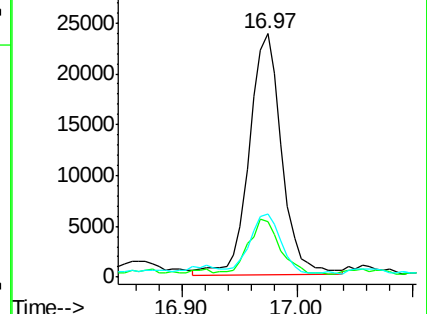
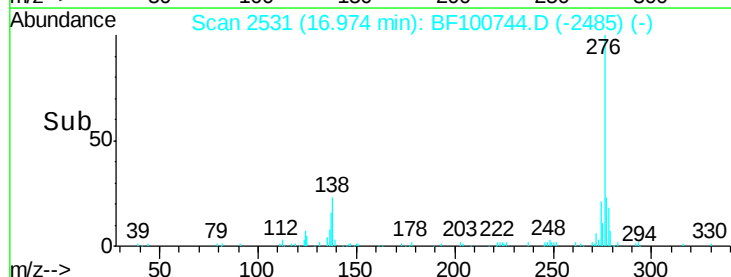
277 24.3 20.1 30.1

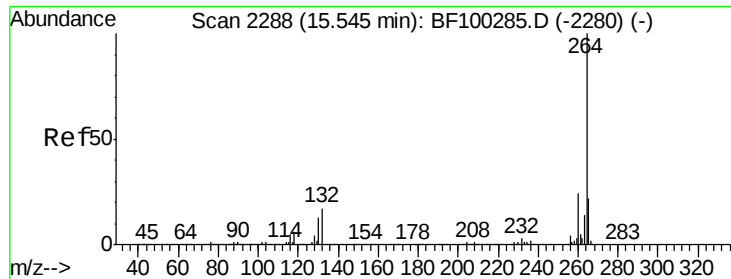


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

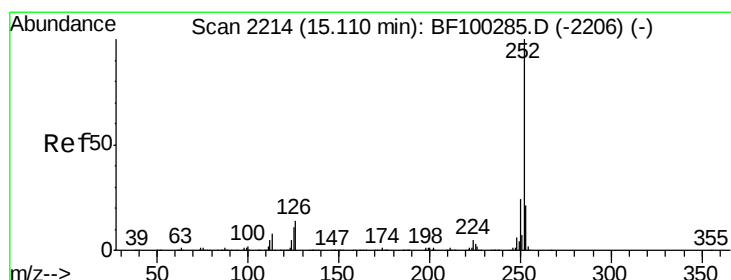
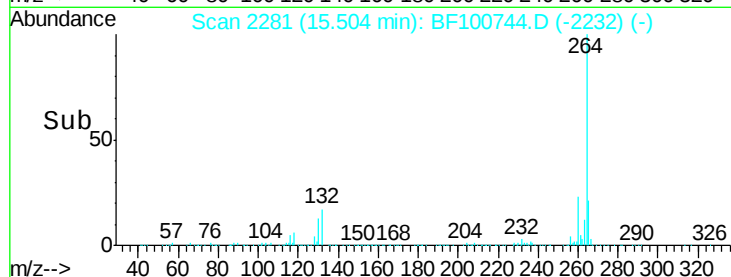
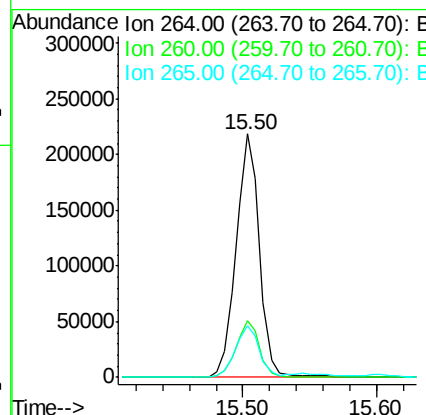
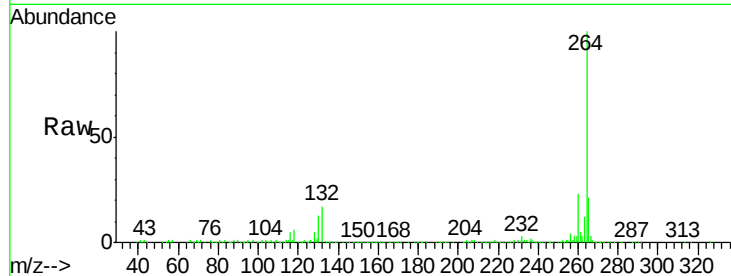




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

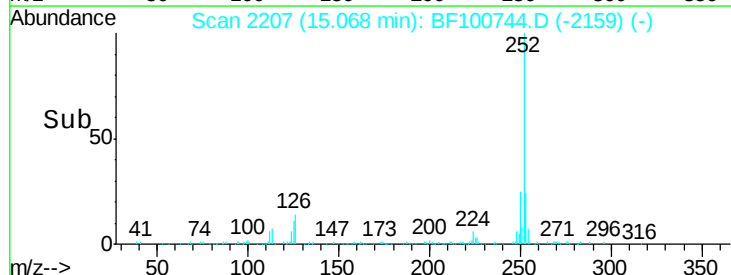
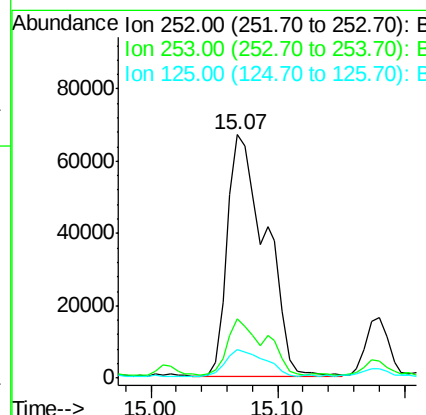
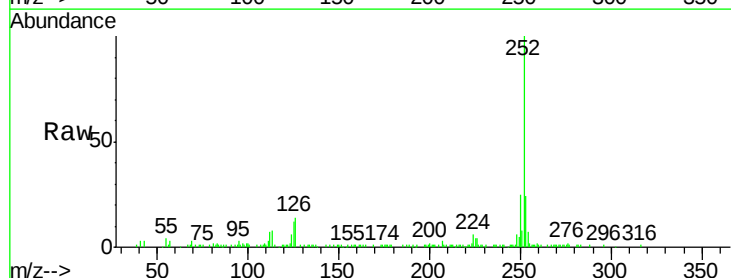
Instrument :
BNA_F
ClientSampleId :
CL-01-111617-A

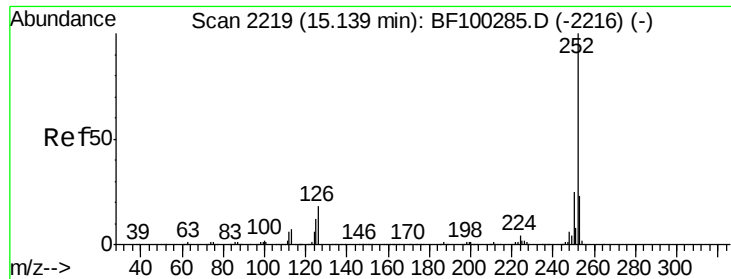
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 8.90 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	12.0	9.0	13.6

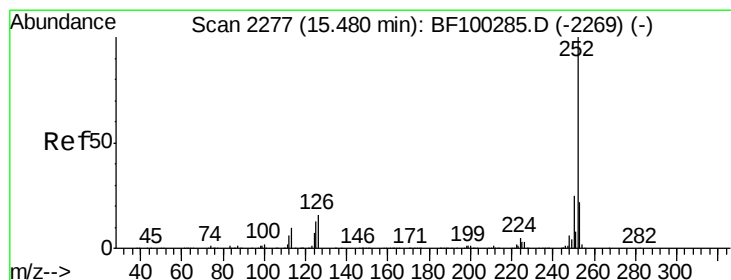
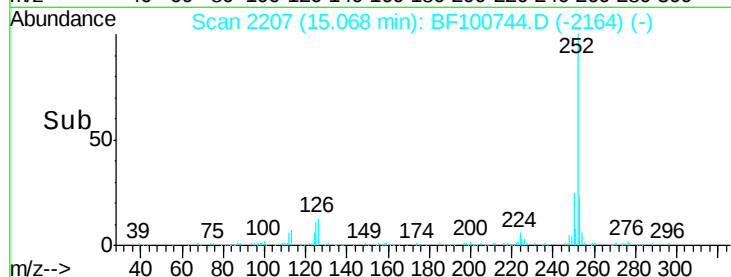
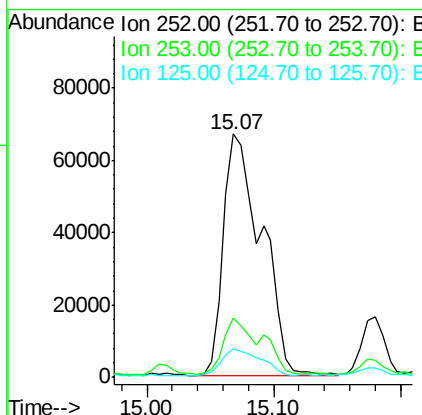
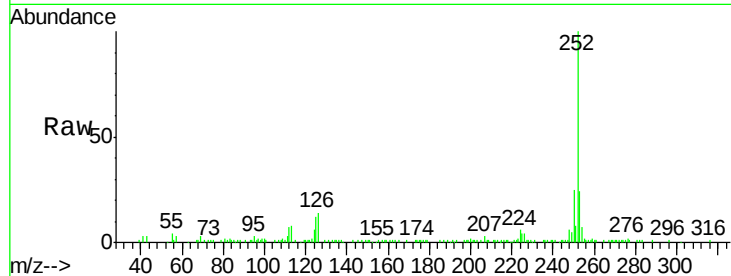




#88
Benzo(k)fluoranthene
Concen: 9.42 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

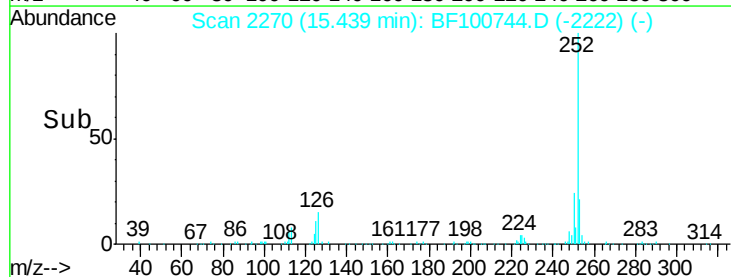
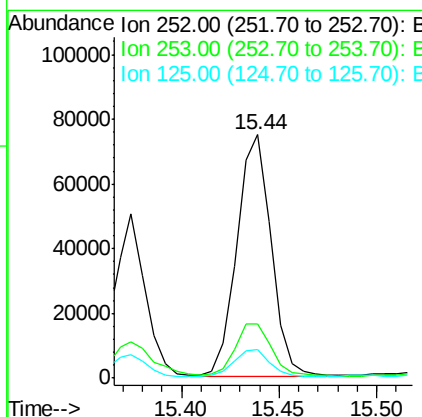
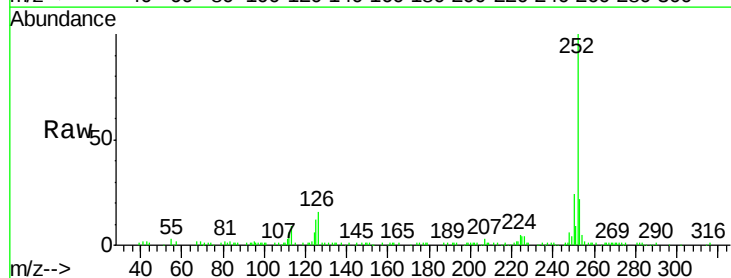
Instrument :
BNA_F
ClientSampleId :
CL-01-111617-A

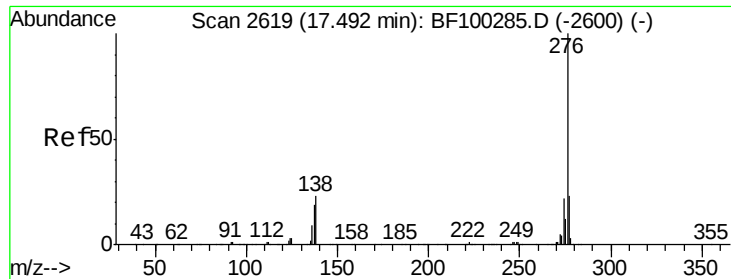
Tgt Ion:252 Resp: 140731
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 12.0 10.2 15.2



#89
Benzo(a)pyrene
Concen: 6.49 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Tgt Ion:252 Resp: 91044
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 11.8 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 3.74 ng

RT: 17.42 min Scan# 2607

Delta R.T. -0.04 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-A

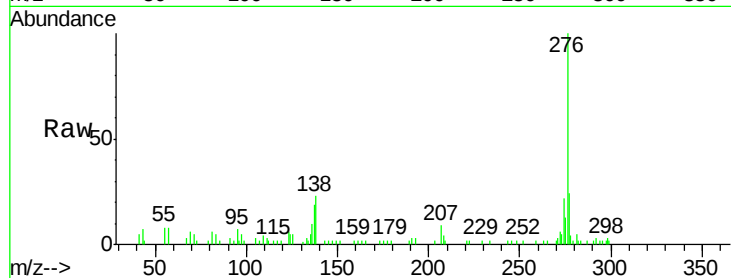
Tgt Ion: 276 Resp: 41933

Ion Ratio Lower Upper

276 100

277 24.3 17.9 26.9

138 22.8 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

