

Data File : BF100745.D
Acq On : 20 Nov 2017 22:07
Operator : SJ/JU
Sample : I6304-14 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

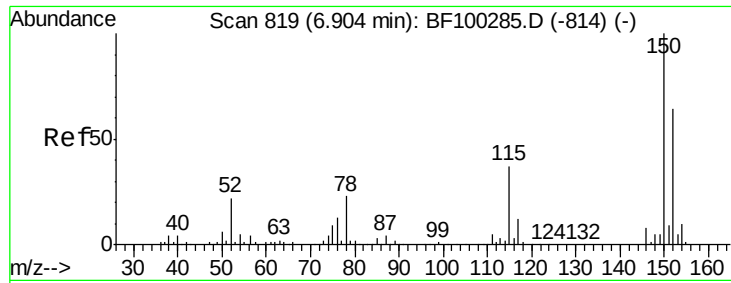
Quant Time: Nov 21 03:31:33 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	95339	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	368938	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	163225	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	278680	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	195561	20.00	ng	-0.02
86) Perylene-d12	15.50	264	221196	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	126762	21.31	ng	-0.02
7) Phenol-d6	6.49	99	154332	21.04	ng	-0.02
23) Nitrobenzene-d5	7.43	82	88572	15.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	36810	22.13	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	193381	18.04	ng	-0.02
78) Terphenyl-d14	12.97	244	126365	14.85	ng	-0.02

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	11113	2.18	ng	# 79
25) Isophorone	7.43	82	88570	7.55	ng	# 64
47) 2-Nitroaniline	9.56	65	121	2.82	ng	# 20
50) 2,6-Dinitrotoluene	9.90	165	21032	8.53	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	21032	6.76	ng	# 22
70) Phenanthrene	11.42	178	107424	7.32	ng	97
74) Fluoranthene	12.60	202	131525	8.46	ng	96
77) Pyrene	12.83	202	117639	8.44	ng	97
80) Benzo(a)anthracene	14.02	228	58066	4.93	ng	94
82) Chrysene	14.05	228	53889	4.73	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	31212	3.38	ng	# 90
87) Benzo(b)fluoranthene	15.07	252	99986	7.63	ng	97
88) Benzo(k)fluoranthene	15.07	252	99986	8.08	ng	99
89) Benzo(a)pyrene	15.44	252	56417	4.86	ng	98
91) Benzo(g,h,i)perylene	17.42	276	27171	2.92	ng	95

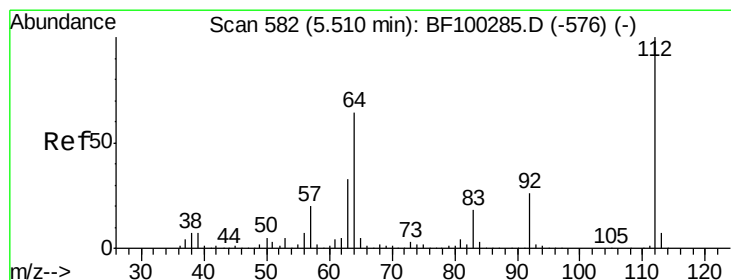
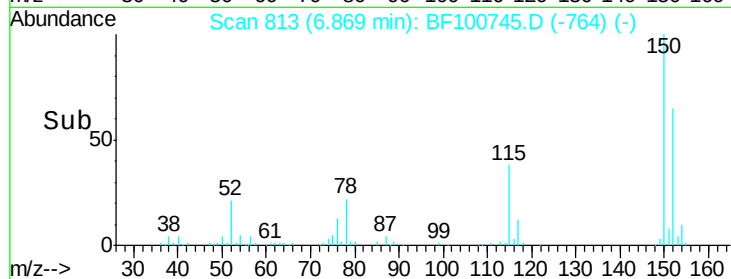
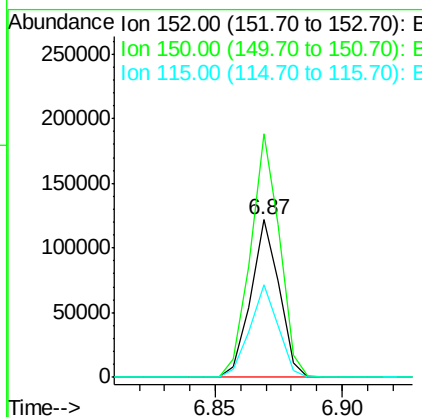
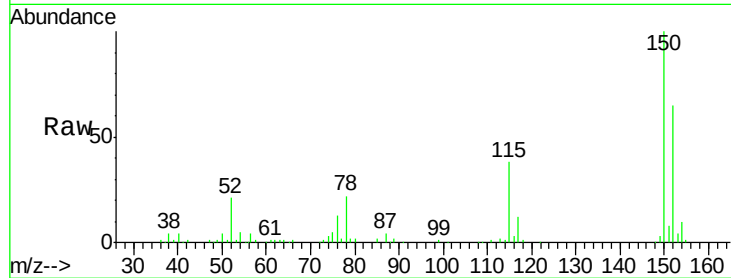
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF100745.D
 Acq: 20 Nov 2017 22:07

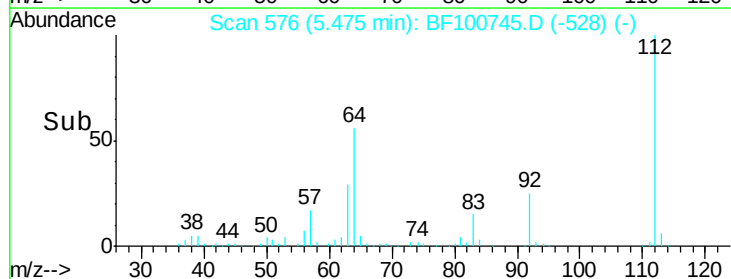
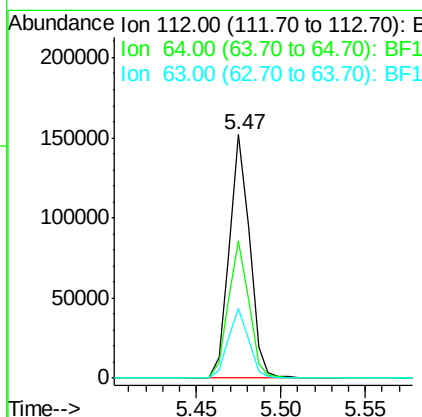
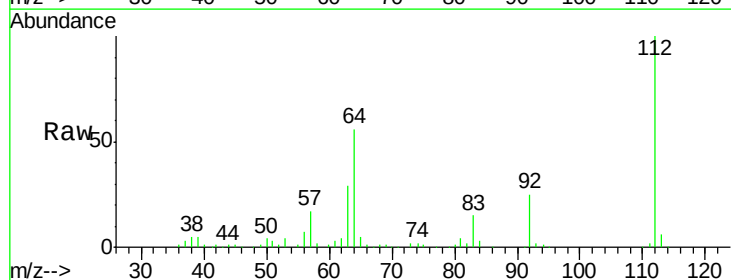
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-B

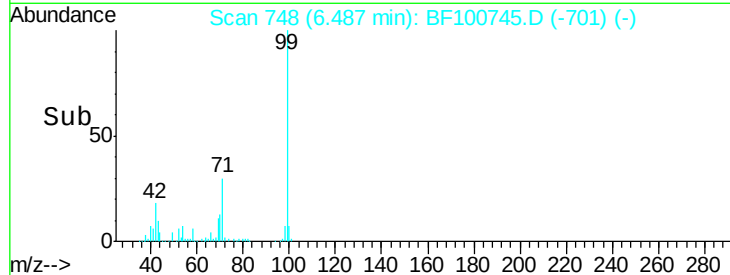
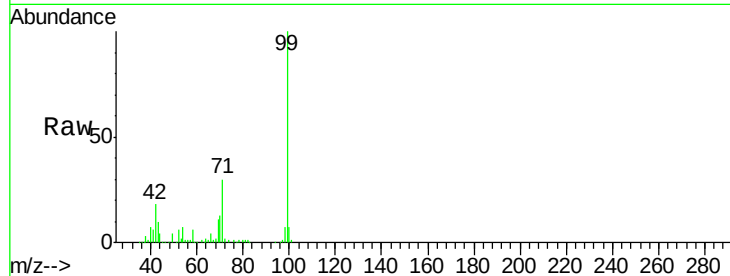
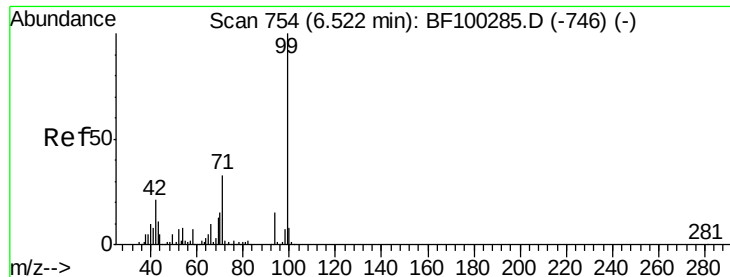
Tgt Ion:152 Resp: 95339
 Ion Ratio Lower Upper
 152 100
 150 154.3 124.6 186.8
 115 58.4 50.1 75.1



#5
 2-Fluorophenol
 Concen: 21.31 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: BF100745.D
 Acq: 20 Nov 2017 22:07

Tgt Ion:112 Resp: 126762
 Ion Ratio Lower Upper
 112 100
 64 56.2 47.9 71.9
 63 28.5 23.7 35.5





#7

Phenol-d6

Concen: 21.04 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF100745.D

Acq: 20 Nov 2017 22:07

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-B

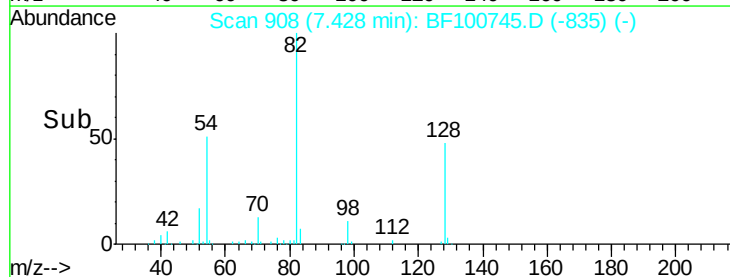
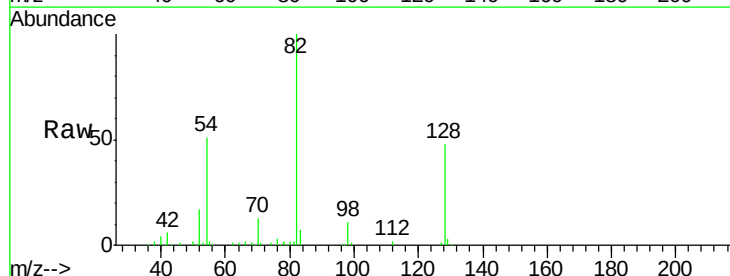
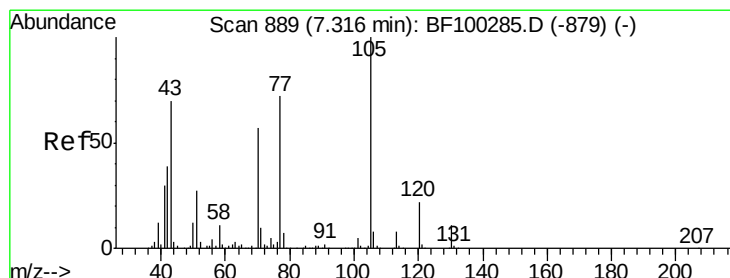
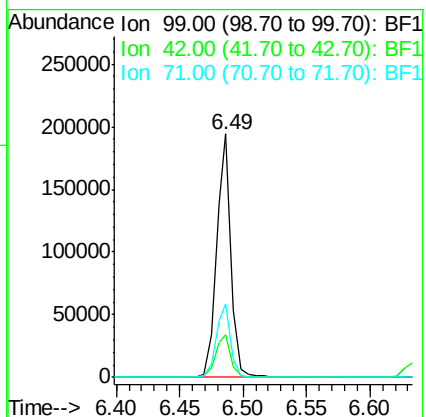
Tgt Ion: 99 Resp: 154332

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

71 29.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.18 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.13 min

Lab File: BF100745.D

Acq: 20 Nov 2017 22:07

Tgt Ion: 70 Resp: 11113

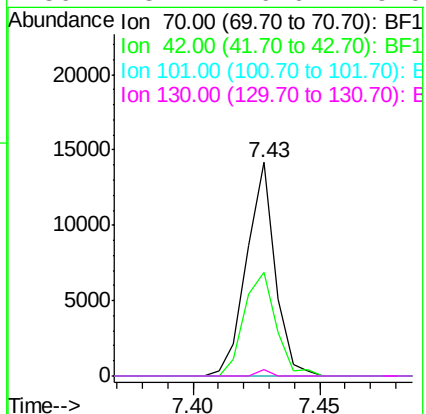
Ion Ratio Lower Upper

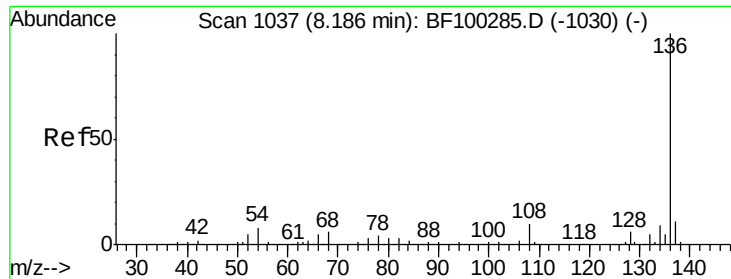
70 100

42 48.9 47.5 71.3

101 0.0 7.4 11.2#

130 3.2 16.6 25.0#

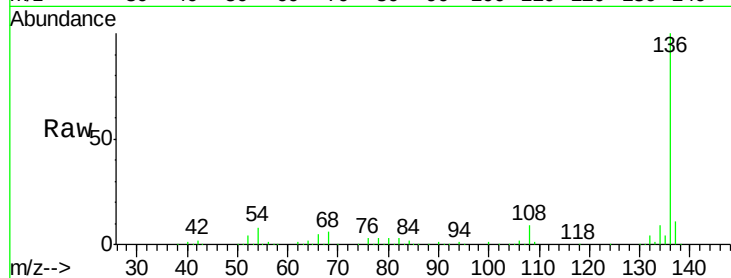




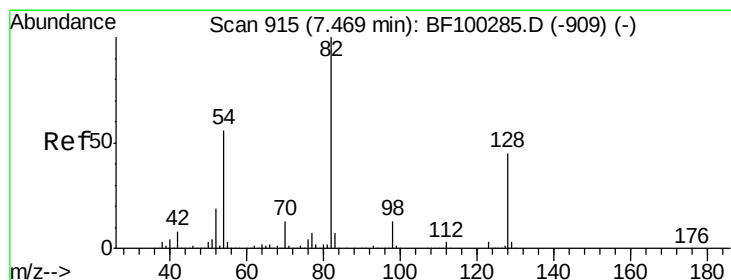
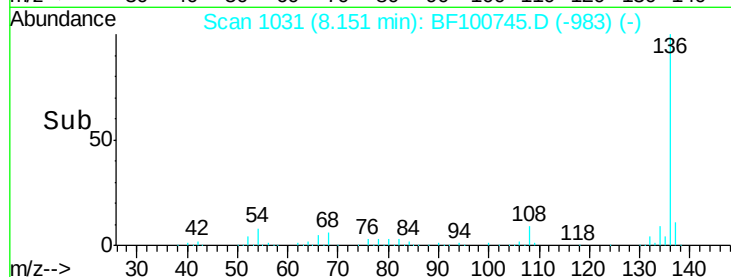
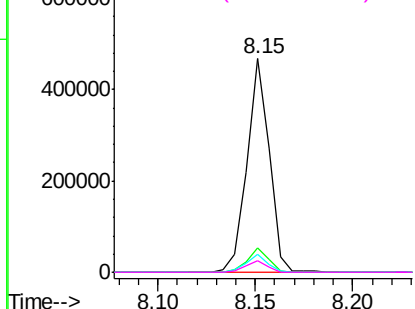
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

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

Tgt Ion:	136	Resp:	368938
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.2	6.6	9.8
68	5.5	5.0	7.4

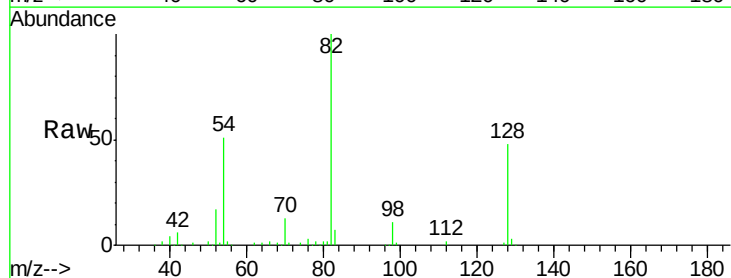


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

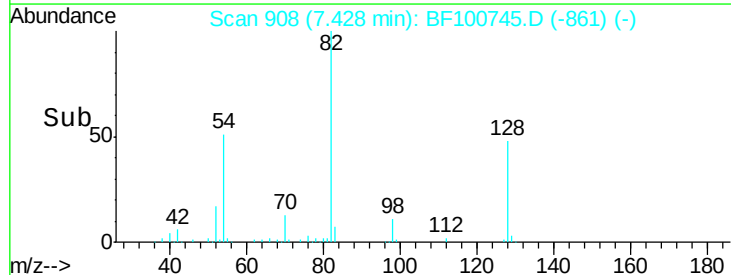
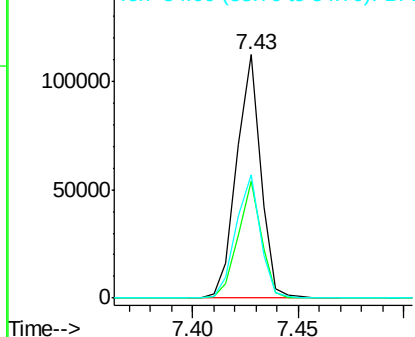


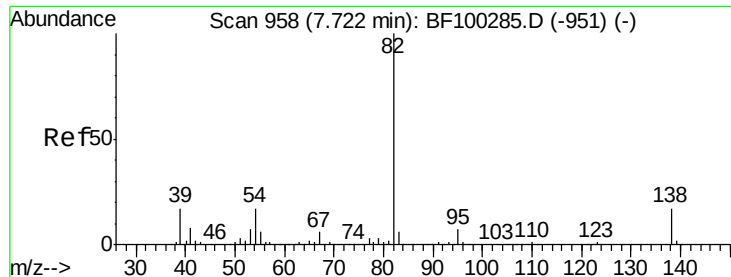
#23
Nitrobenzene-d5
Concen: 15.87 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Tgt Ion:	82	Resp:	88572
Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.1	54.1
54	50.8	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: 7.55 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.28 min

Lab File: BF100745.D

Acq: 20 Nov 2017 22:07

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-B

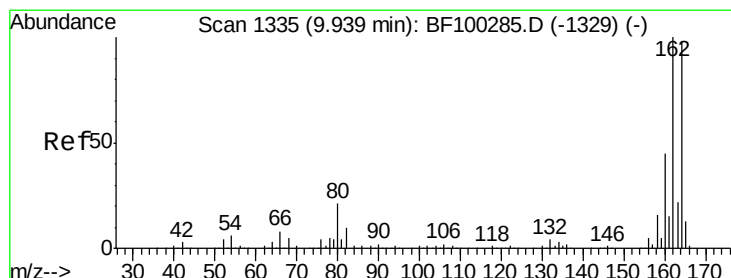
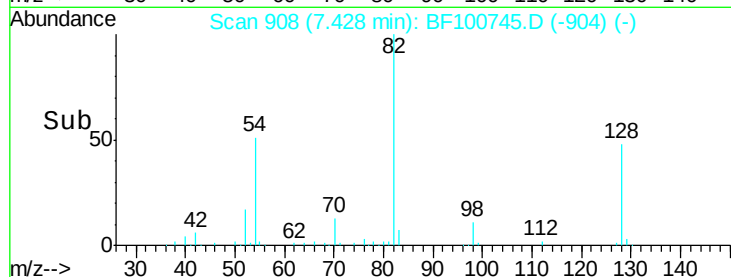
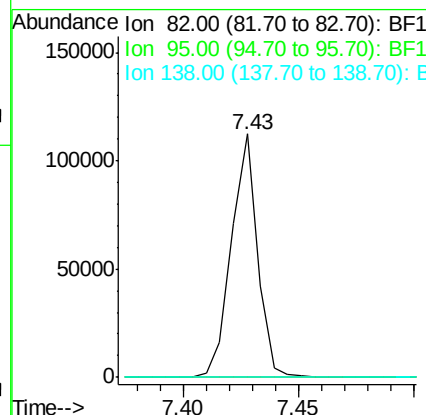
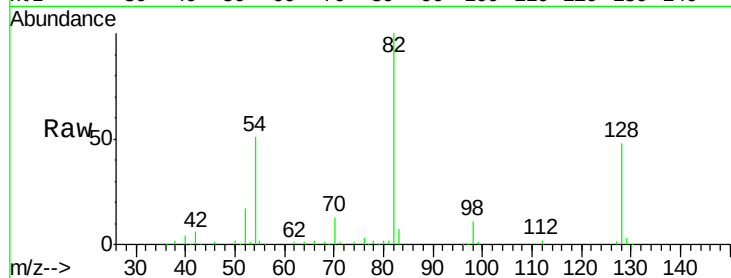
Tgt Ion: 82 Resp: 88570

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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100745.D

Acq: 20 Nov 2017 22:07

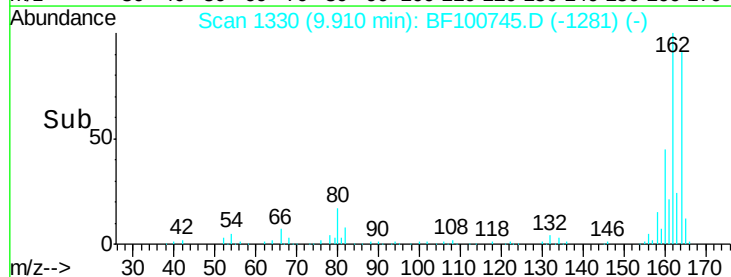
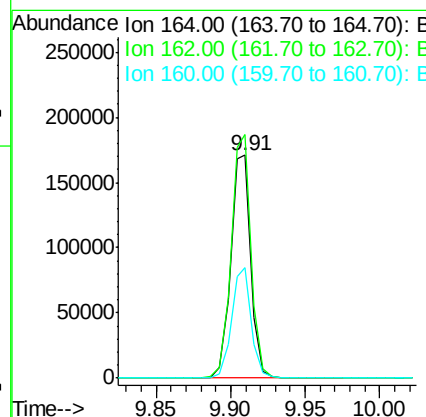
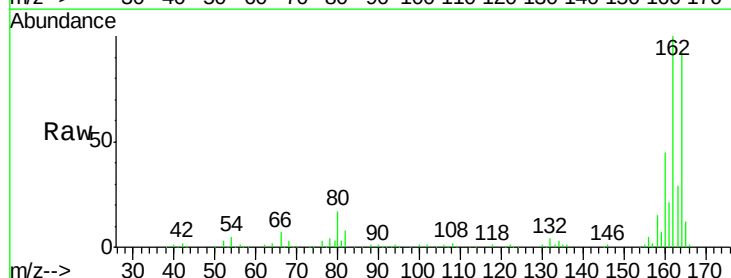
Tgt Ion: 164 Resp: 163225

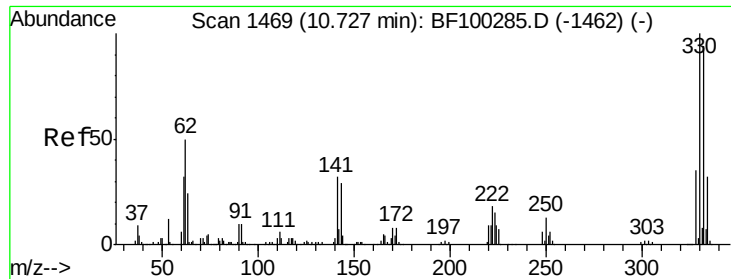
Ion Ratio Lower Upper

164 100

162 109.3 86.1 129.1

160 49.4 38.3 57.5

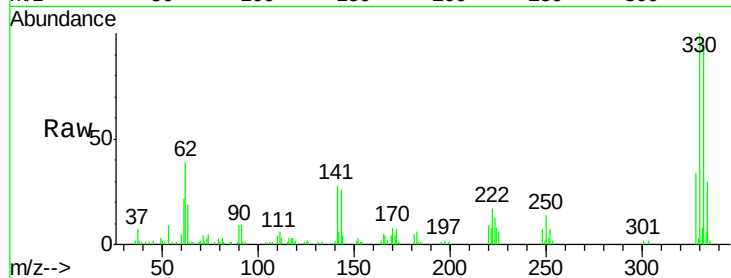




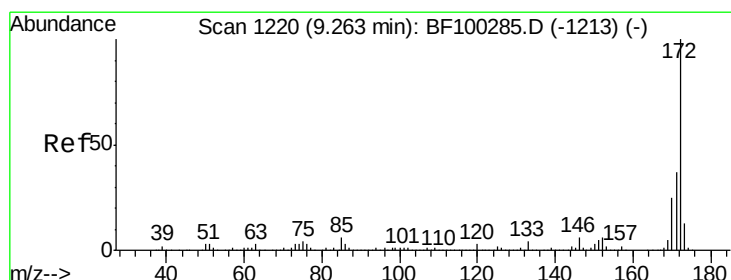
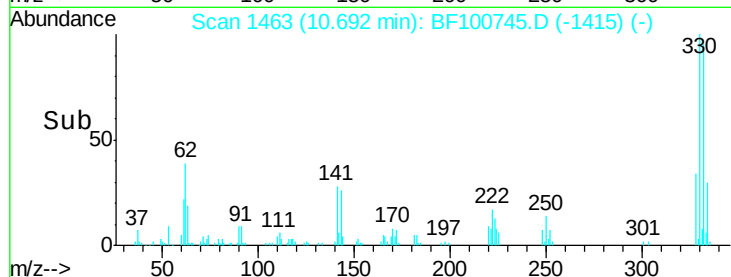
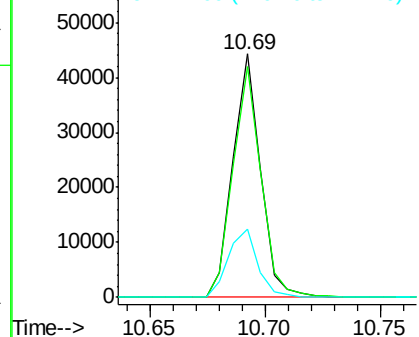
#41
 2,4,6-Tribromophenol
 Concen: 22.13 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.02 min
 Lab File: BF100745.D
 Acq: 20 Nov 2017 22:07

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

Tgt Ion: 330 Resp: 36810
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 29.9 29.9 44.9#

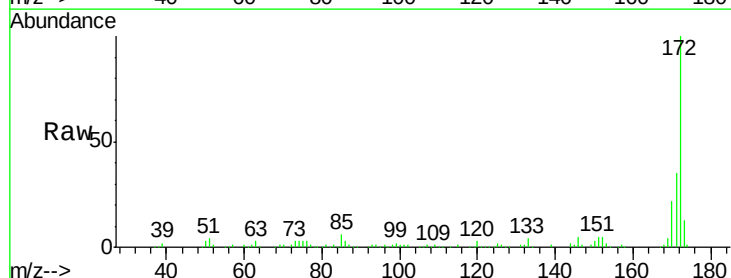


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

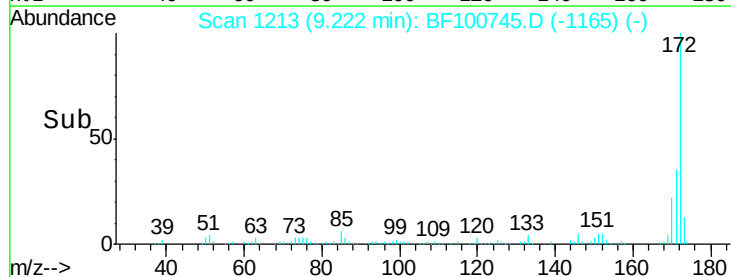
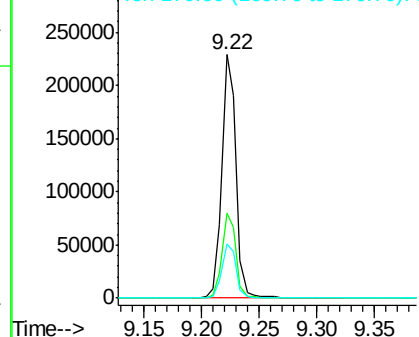


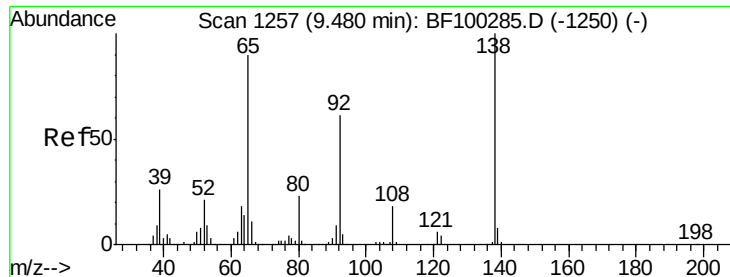
#44
 2-Fluorobiphenyl
 Concen: 18.04 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF100745.D
 Acq: 20 Nov 2017 22:07

Tgt Ion: 172 Resp: 193381
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 22.5 19.6 29.4



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

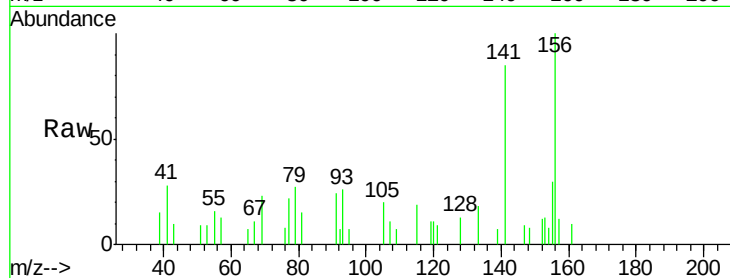




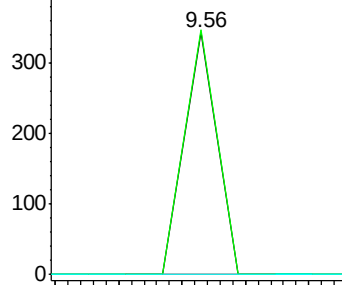
#47
 2-Nitroaniline
 Concen: 2.82 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. 0.10 min
 Lab File: BF100745.D
 Acq: 20 Nov 2017 22:07

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

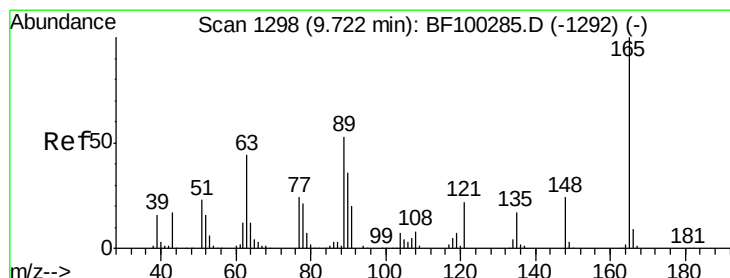
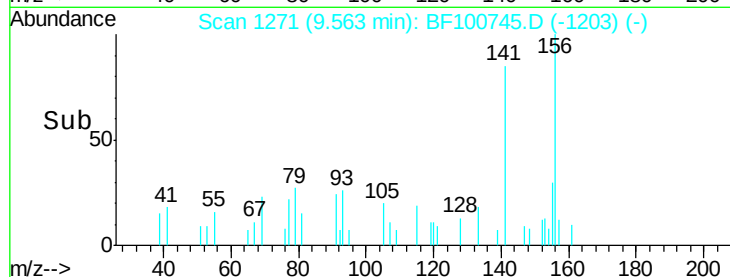
Tgt Ion: 65 Resp: 121
 Ion Ratio Lower Upper
 65 100
 92 101.2 55.8 83.6#
 138 0.0 91.2 136.8#



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

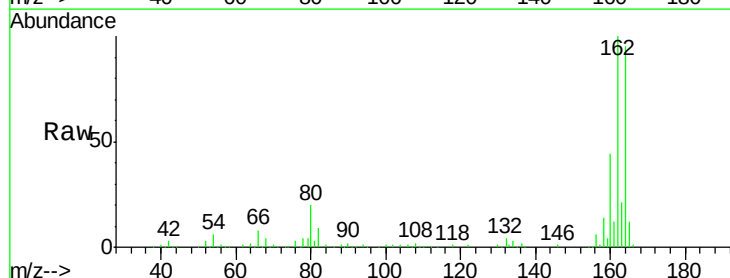


Time--> 9.54 9.55 9.56 9.57 9.58

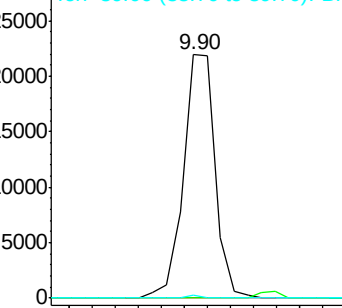


#50
 2,6-Dinitrotoluene
 Concen: 8.53 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.20 min
 Lab File: BF100745.D
 Acq: 20 Nov 2017 22:07

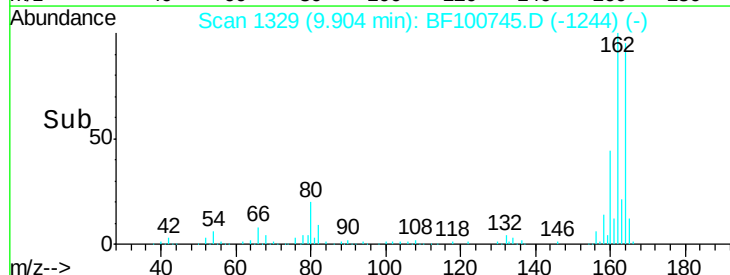
Tgt Ion: 165 Resp: 21032
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 1.5 44.0 66.0#

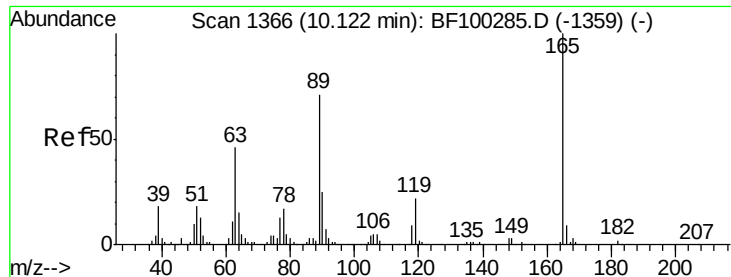


Abundance Ion 165.00 (164.70 to 165.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1



Time--> 9.85 9.90 9.95

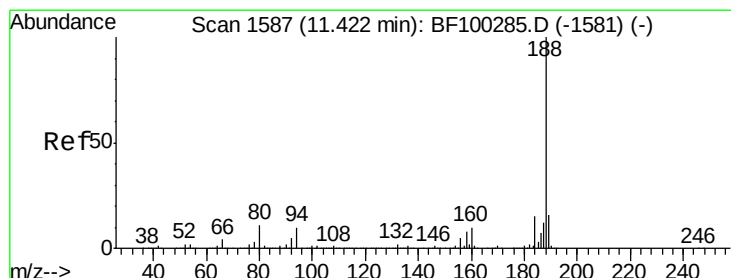
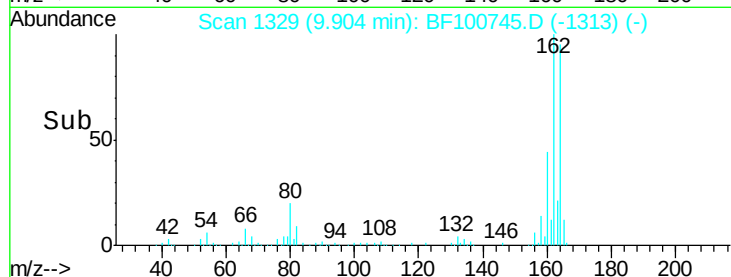
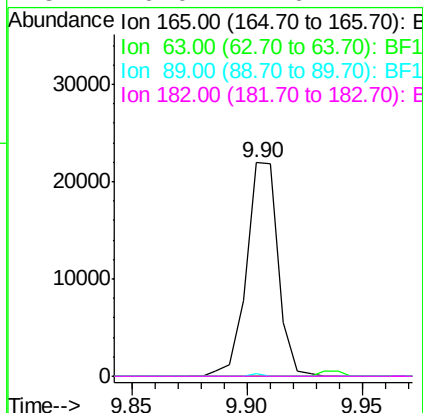
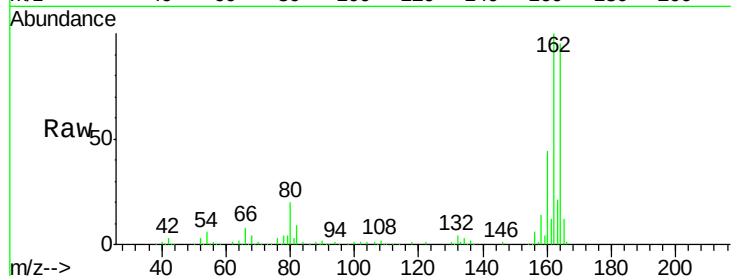




#56
 2,4-Dinitrotoluene
 Concen: 6.76 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF100745.D
 Acq: 20 Nov 2017 22:07

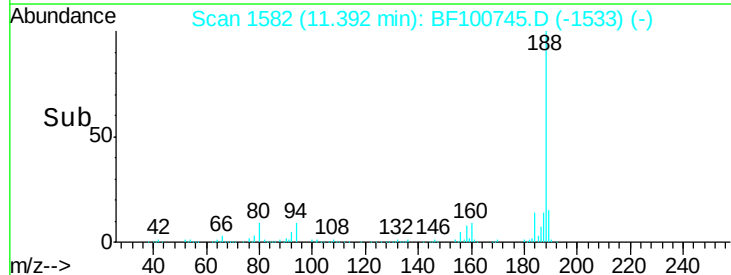
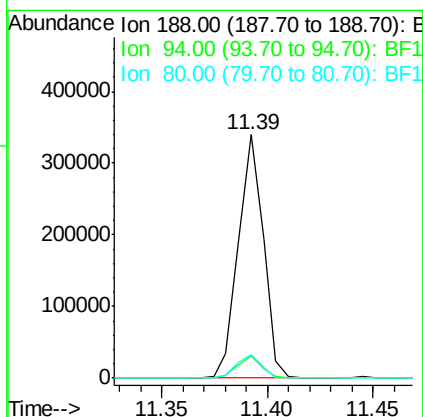
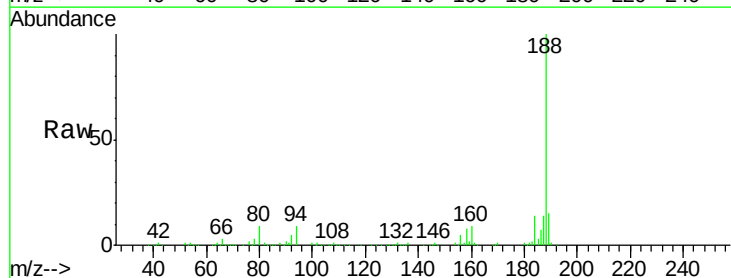
Instrument :
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 CL-01-111617-B

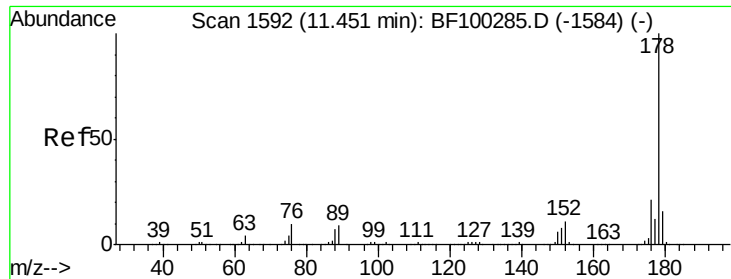
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF100745.D
 Acq: 20 Nov 2017 22:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.4	9.2	13.8

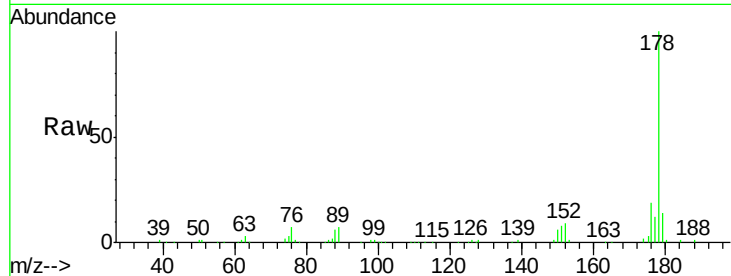




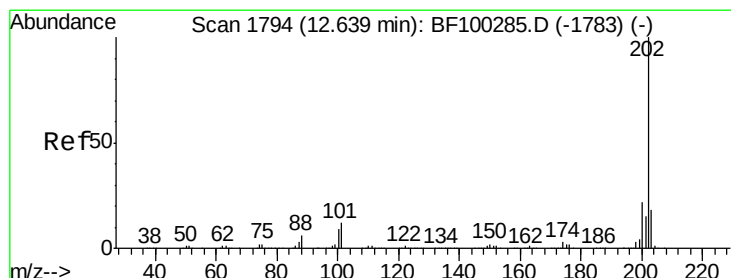
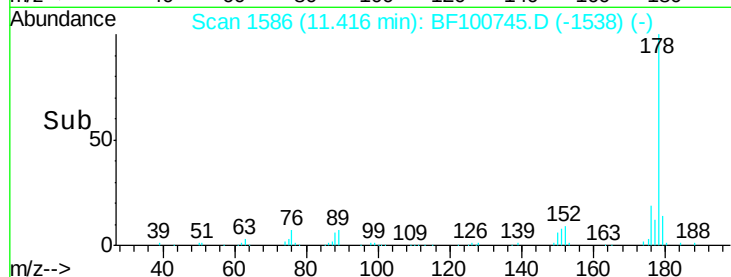
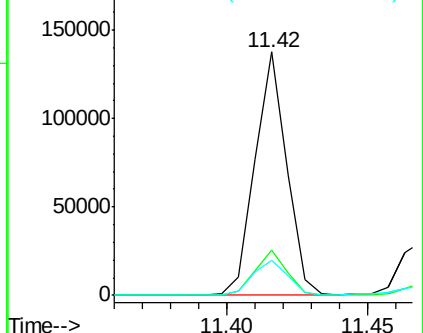
#70
 Phenanthrene
 Concen: 7.32 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.02 min
 Lab File: BF100745.D
 Acq: 20 Nov 2017 22:07

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

Tgt Ion:178 Resp: 107424
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 14.3 13.0 19.6

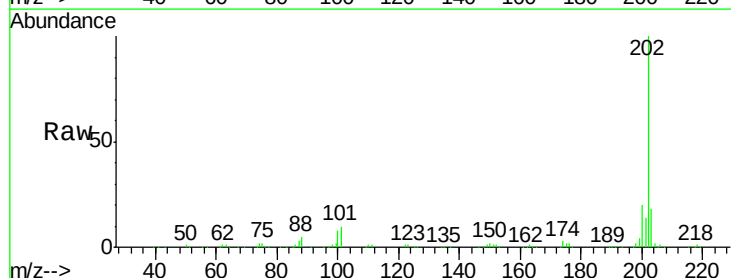


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

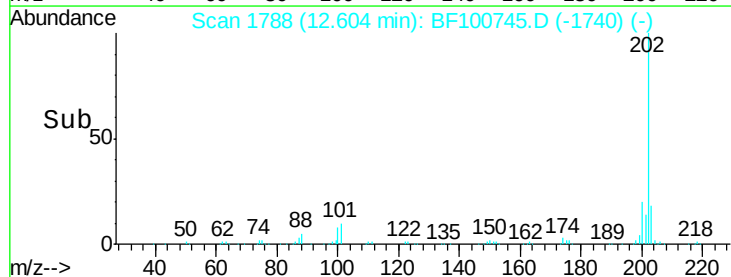
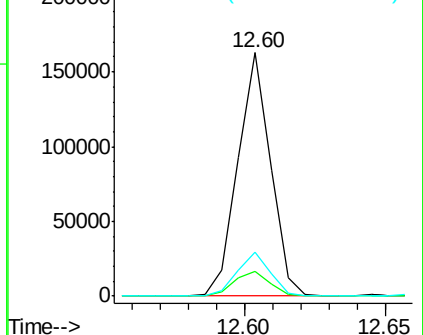


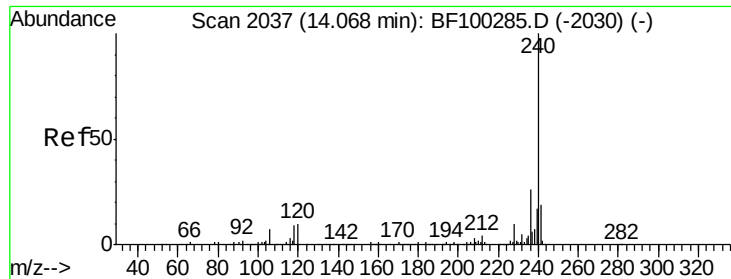
#74
 Fluoranthene
 Concen: 8.46 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. -0.02 min
 Lab File: BF100745.D
 Acq: 20 Nov 2017 22:07

Tgt Ion:202 Resp: 131525
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 34.1
 203 17.9 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

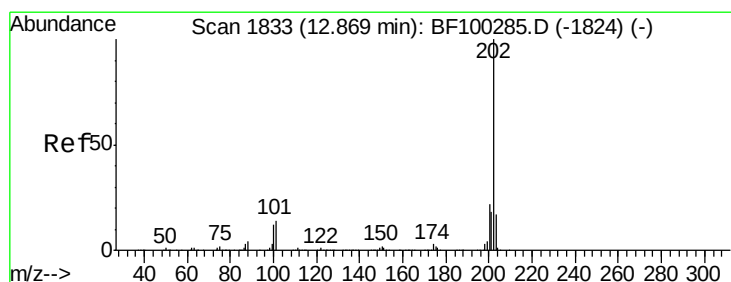
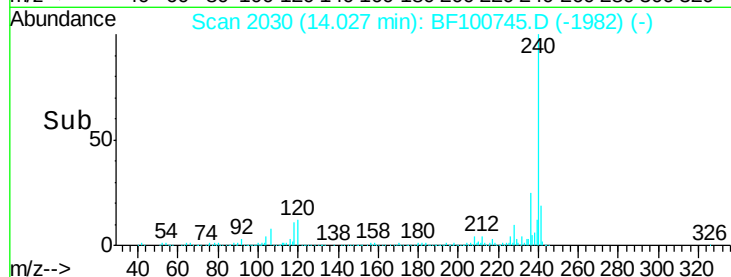
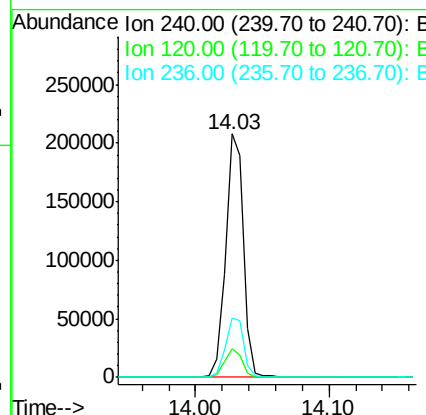
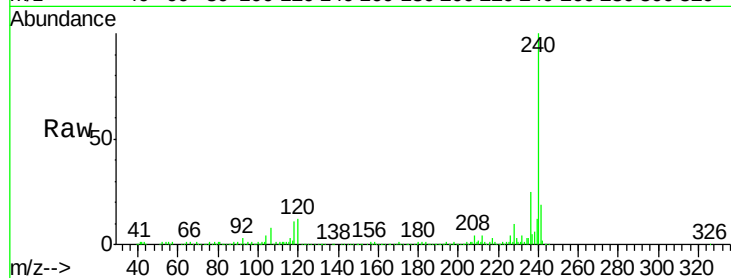




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

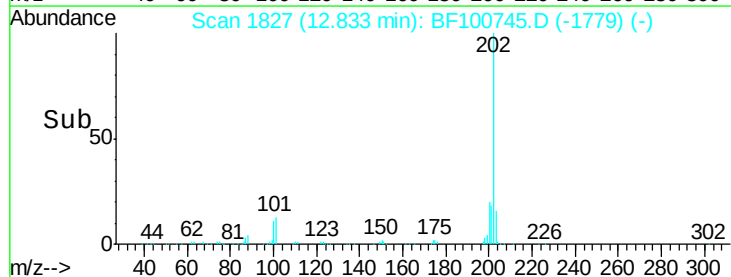
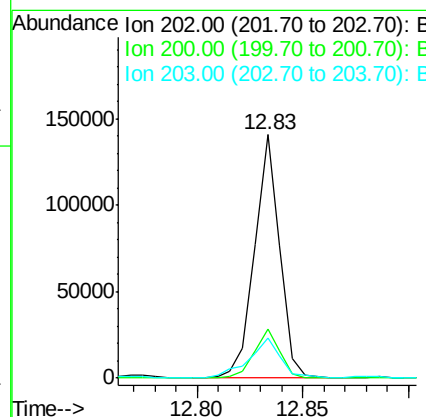
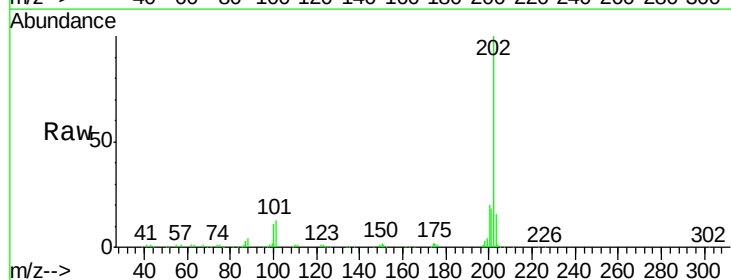
Instrument :
BNA_F
ClientSampleId :
CL-01-111617-B

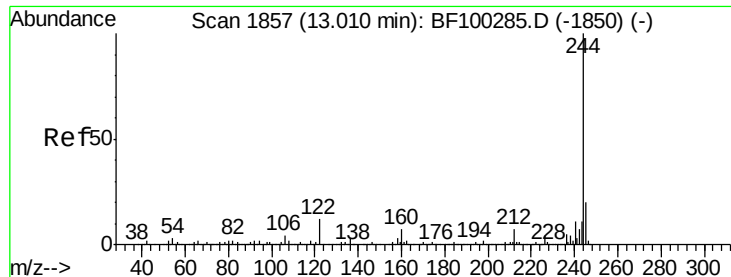
Tgt Ion:240 Resp: 195561
Ion Ratio Lower Upper
240 100
120 11.9 9.5 14.3
236 24.6 20.7 31.1



#77
Pyrene
Concen: 8.44 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Tgt Ion:202 Resp: 117639
Ion Ratio Lower Upper
202 100
200 20.3 17.4 26.2
203 16.4 14.3 21.5





#78

Terphenyl-d14

Concen: 14.85 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.02 min

Lab File: BF100745.D

Acq: 20 Nov 2017 22:07

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-B

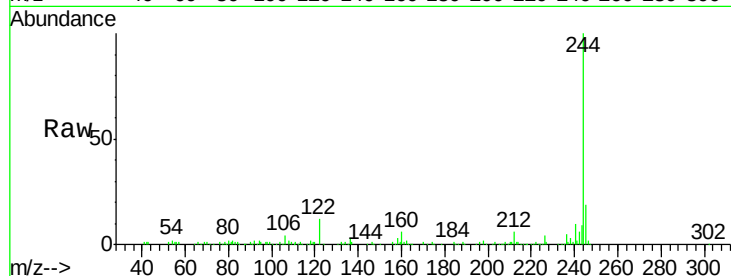
Tgt Ion:244 Resp: 126365

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

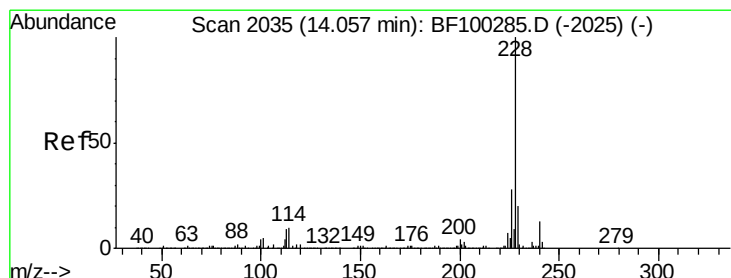
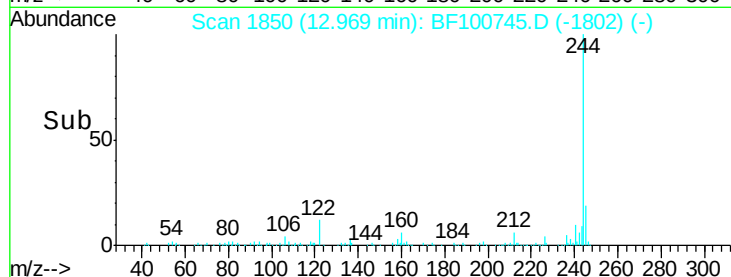
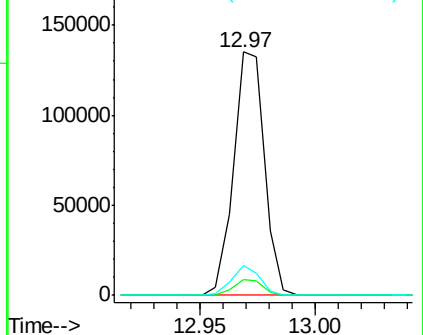
122 12.1 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.93 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.02 min

Lab File: BF100745.D

Acq: 20 Nov 2017 22:07

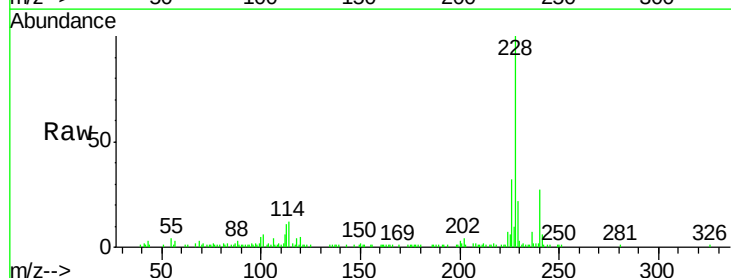
Tgt Ion:228 Resp: 58066

Ion Ratio Lower Upper

228 100

226 31.8 22.6 33.8

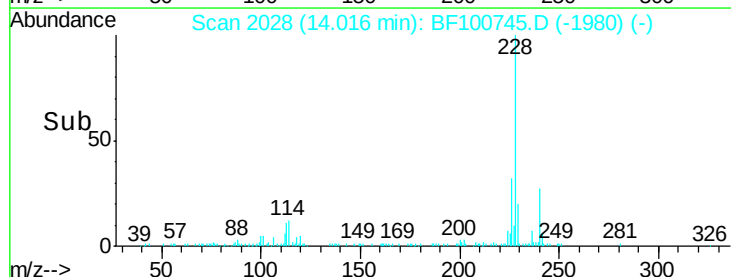
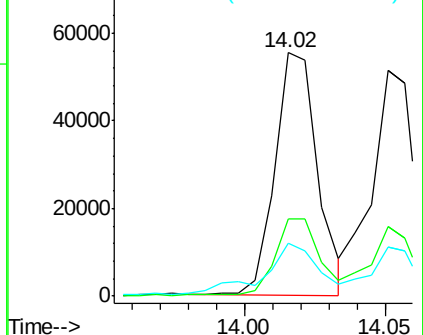
229 21.5 15.8 23.6

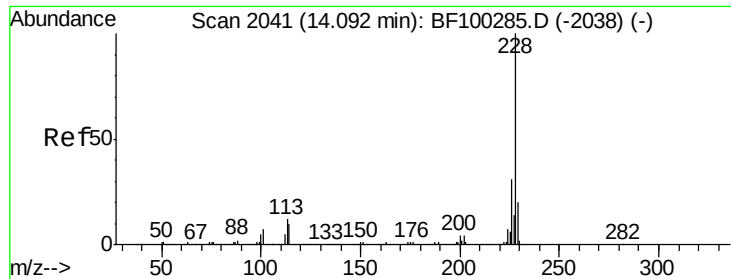


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

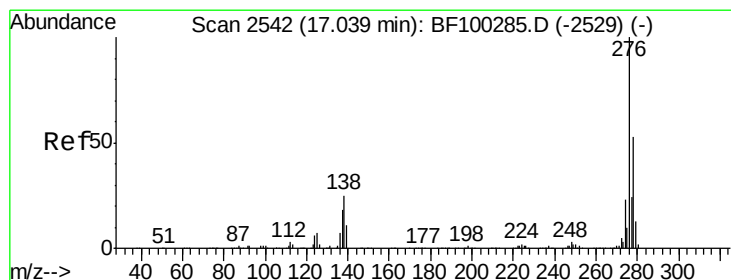
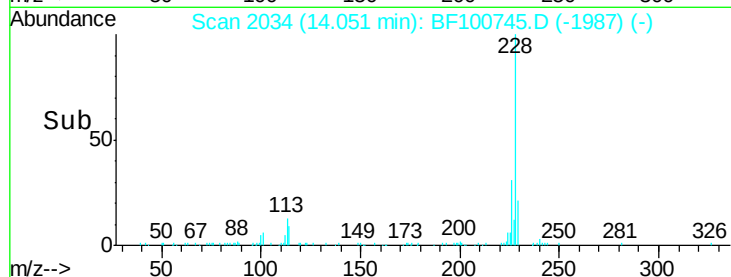
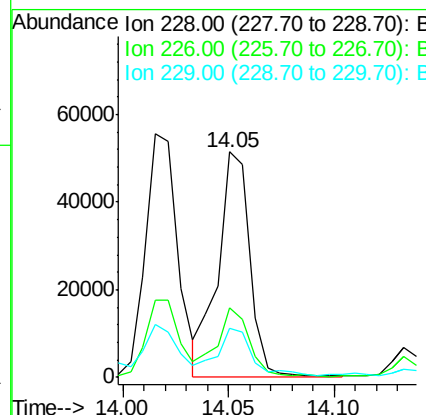
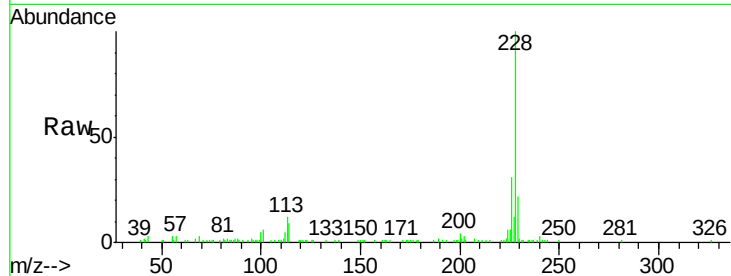




#82
Chrysene
Concen: 4.73 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

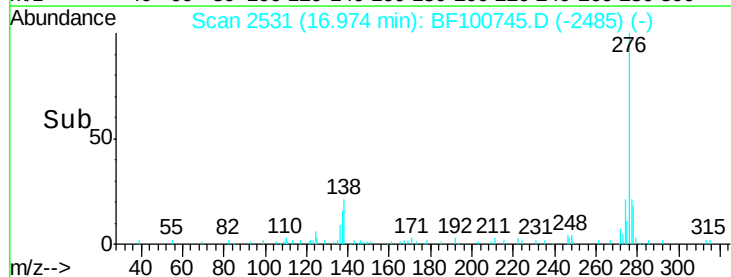
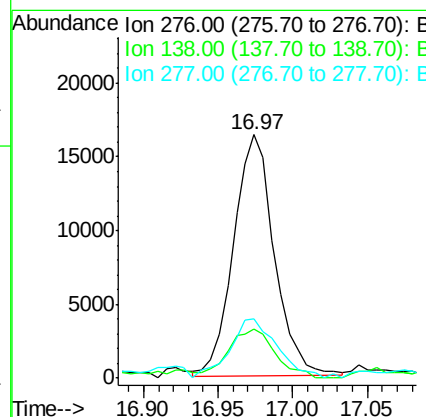
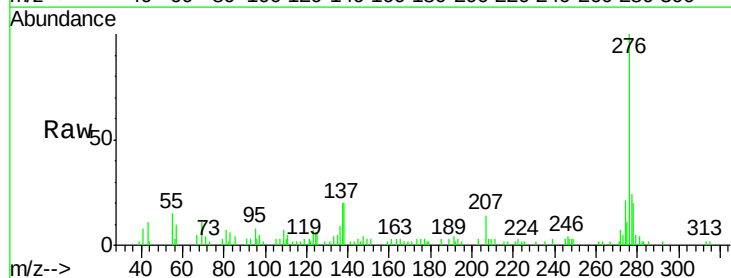
Instrument :
BNA_F
ClientSampleId :
CL-01-111617-B

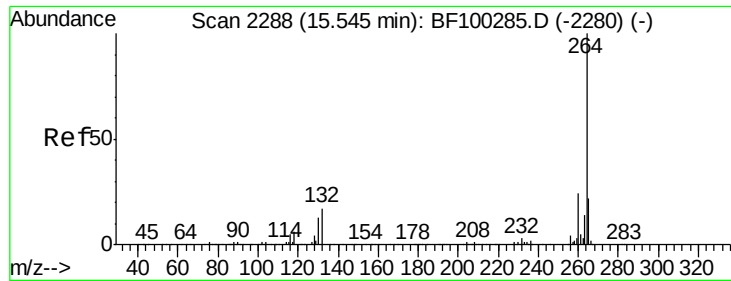
Tgt Ion: 228 Resp: 53889
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 21.9 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.38 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.03 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Tgt Ion: 276 Resp: 31212
Ion Ratio Lower Upper
276 100
138 23.6 25.0 37.6#
277 28.1 20.1 30.1

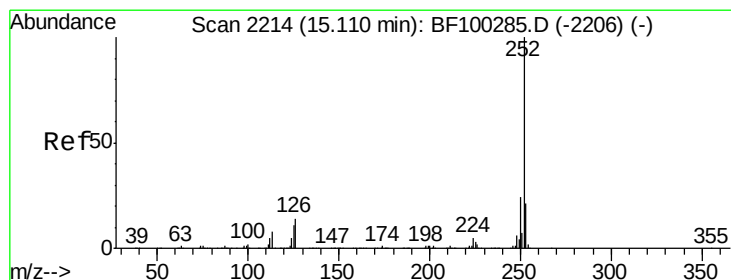
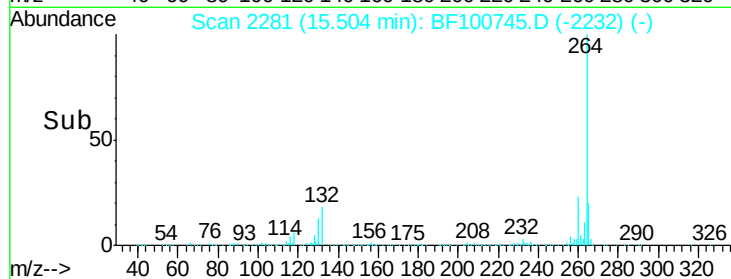
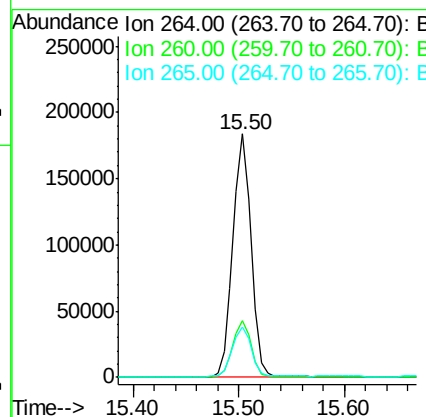
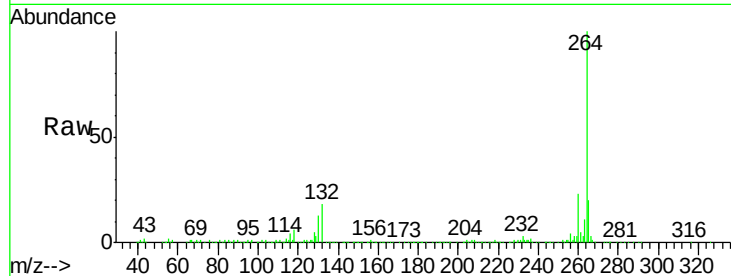




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

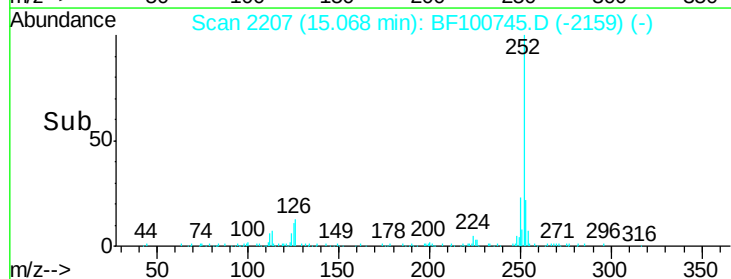
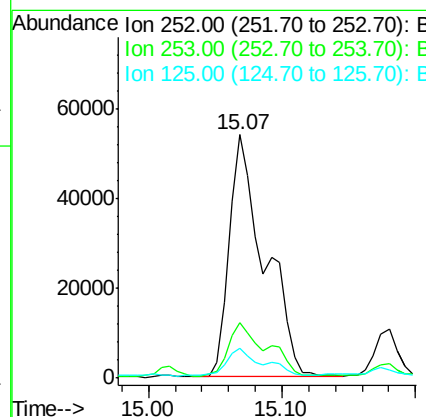
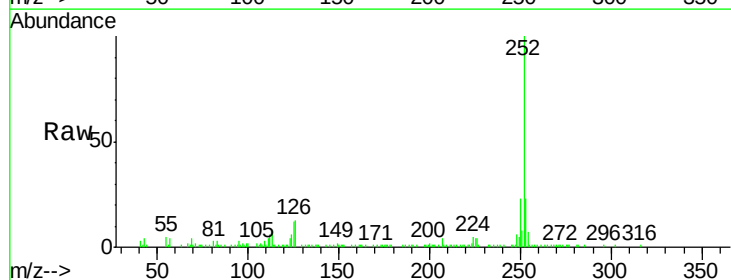
Instrument :
BNA_F
ClientSampleId :
CL-01-111617-B

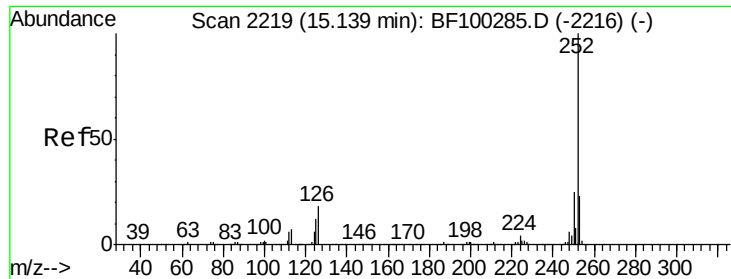
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	20.5	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 7.63 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	12.3	9.0	13.6

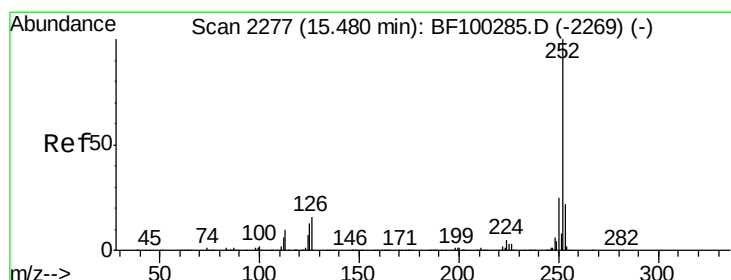
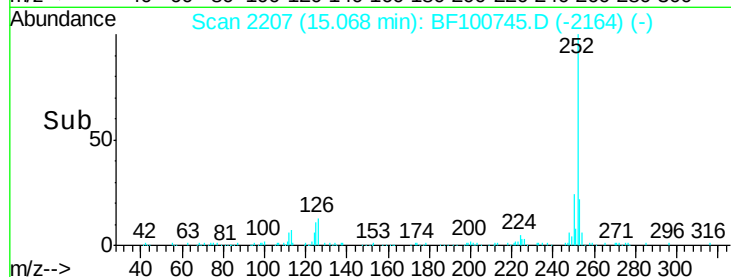
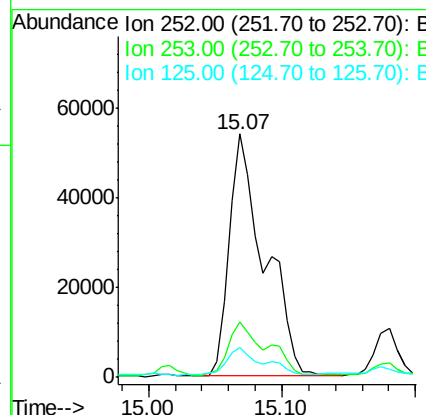
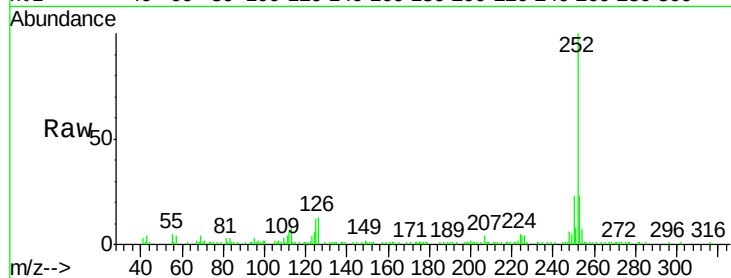




#88
Benzo(k)fluoranthene
Concen: 8.08 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

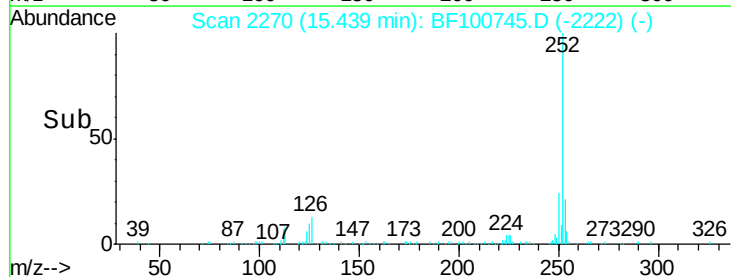
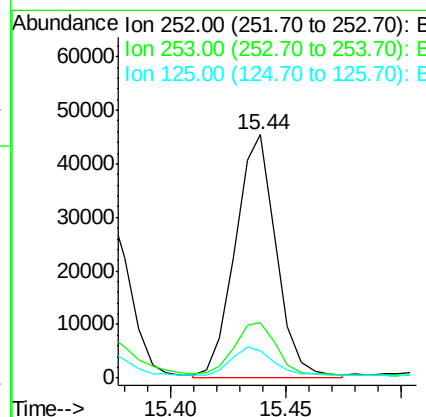
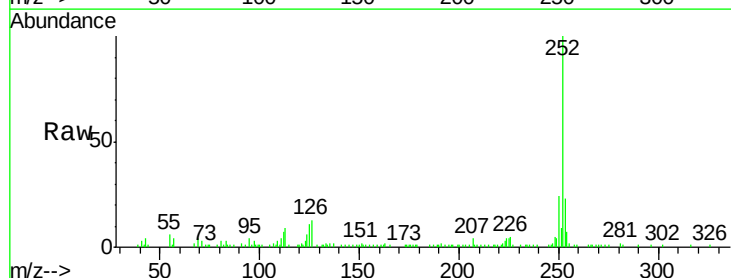
Instrument :
BNA_F
ClientSampleId :
CL-01-111617-B

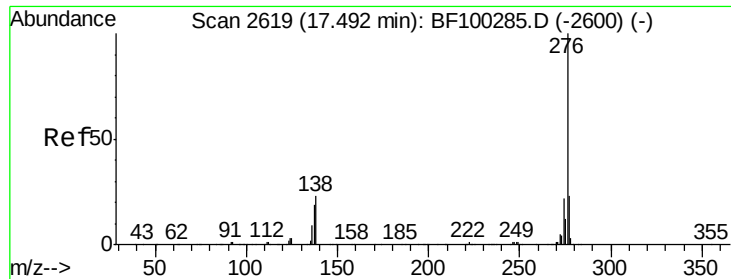
Tgt Ion:252 Resp: 99986
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 12.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 4.86 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF100745.D
Acq: 20 Nov 2017 22:07

Tgt Ion:252 Resp: 56417
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 11.4 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 2.92 ng

RT: 17.42 min Scan# 2607

Delta R.T. -0.04 min

Lab File: BF100745.D

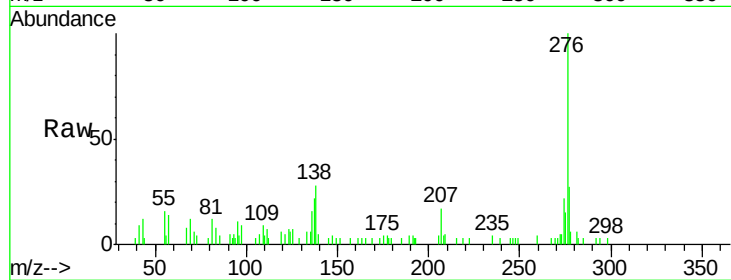
Acq: 20 Nov 2017 22:07

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-B



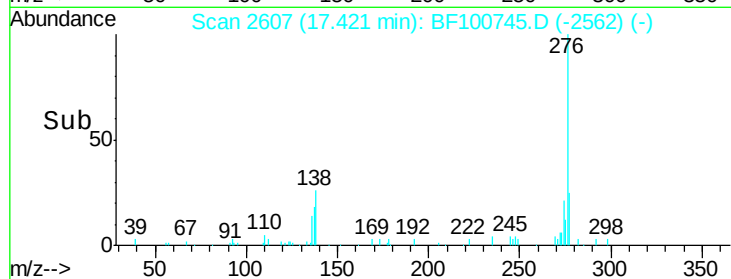
Tgt Ion: 276 Resp: 27171

Ion Ratio Lower Upper

276 100

277 26.7 17.9 26.9

138 27.9 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

