

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100782.D
 Acq On : 21 Nov 2017 16:05
 Operator : SJ/JU
 Sample : I6340-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 22 04:10:18 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

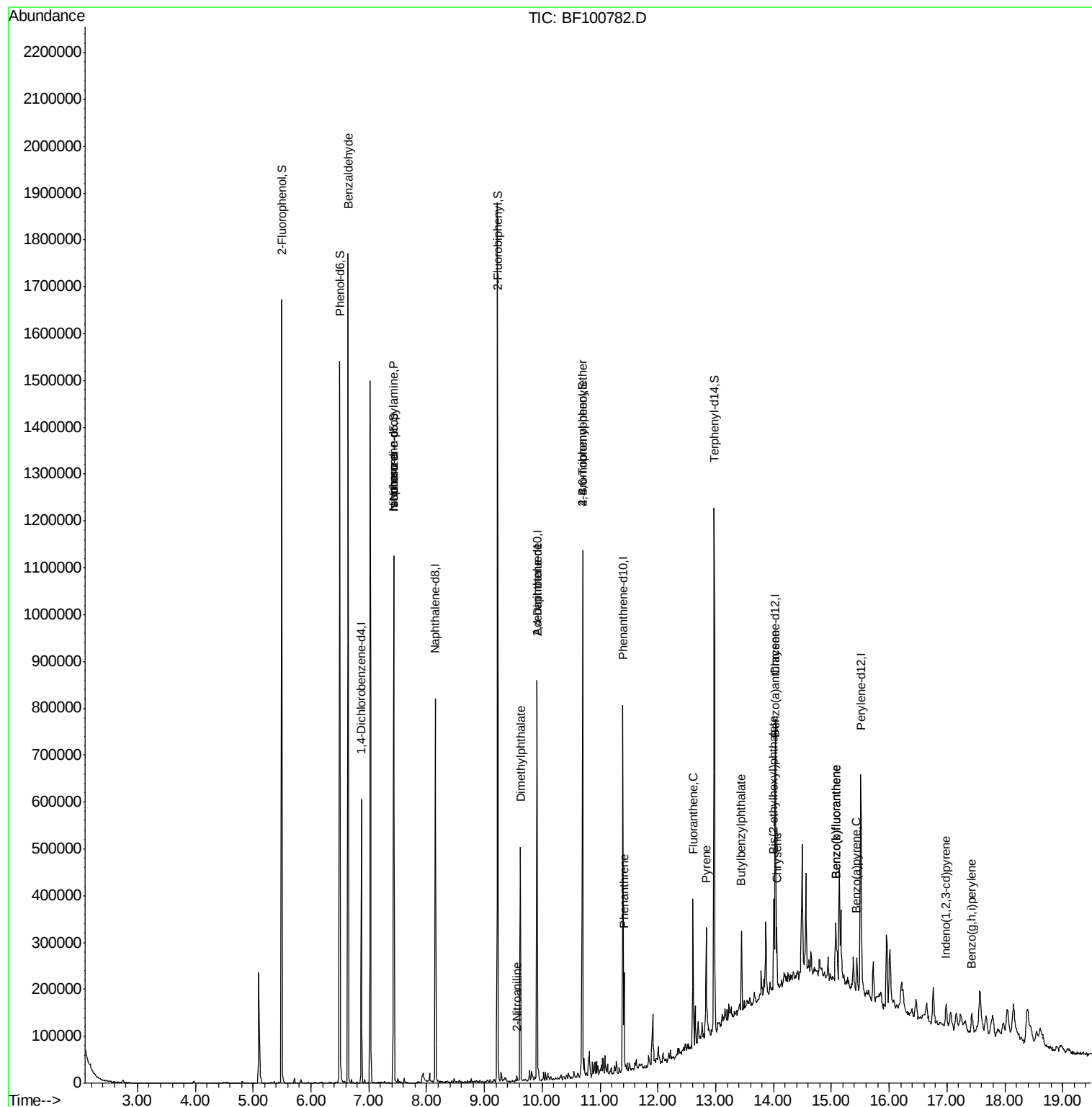
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	92001	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	359566	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	161883	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	285791	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	182679	20.00	ng	-0.01
86) Perylene-d12	15.51	264	206155	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	511773	89.17	ng	0.00
7) Phenol-d6	6.50	99	613564	86.69	ng	-0.01
23) Nitrobenzene-d5	7.43	82	366437	67.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	139926	84.82	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	564664	53.11	ng	-0.01
78) Terphenyl-d14	12.97	244	352083	44.28	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	10175	2.01	ng	86
19) n-Nitroso-di-n-propylamine	7.43	70	48139	9.81	ng	# 79
25) Isophorone	7.43	82	366433	32.06	ng	# 64
47) 2-Nitroaniline	9.56	65	114	2.82	ng	# 2
49) Dimethylphthalate	9.62	163	199650	16.15	ng	99
56) 2,4-Dinitrotoluene	9.91	165	20804	6.74	ng	# 21
66) 4-Bromophenyl-phenylether	10.70	248	8583	2.80	ng	# 1
70) Phenanthrene	11.42	178	68569	4.56	ng	95
74) Fluoranthene	12.60	202	127993	8.03	ng	95
77) Pyrene	12.83	202	95342	7.32	ng	99
79) Butylbenzylphthalate	13.45	149	43342	8.16	ng	# 85
80) Benzo(a)anthracene	14.02	228	30929	2.81	ng	97
82) Chrysene	14.06	228	50728	4.76	ng	96
83) Bis(2-ethylhexyl)phthalate	14.00	149	49749	7.12	ng	99
85) Indeno(1,2,3-cd)pyrene	16.99	276	28991	3.36	ng	# 86
87) Benzo(b)fluoranthene	15.07	252	86223	7.06	ng	# 94
88) Benzo(k)fluoranthene	15.07	252	86223	7.47	ng	# 96
89) Benzo(a)pyrene	15.44	252	36891	3.41	ng	# 91
91) Benzo(a,h,i)perylene	17.43	276	28954	3.34	ng	98

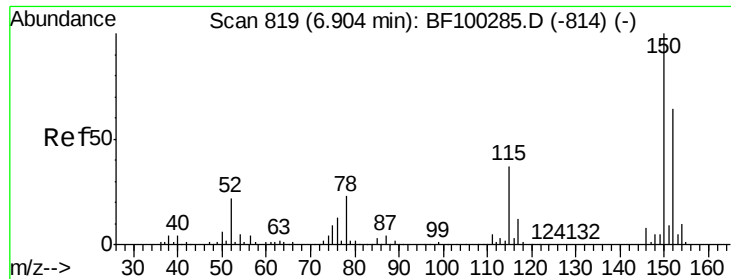
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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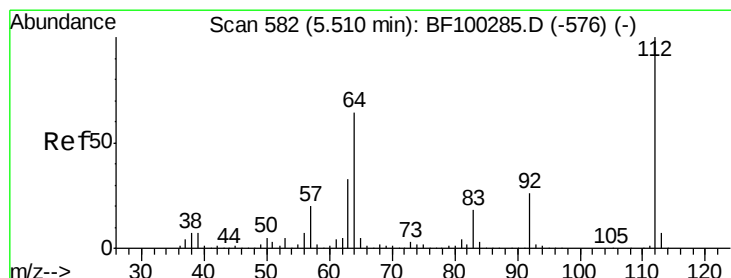
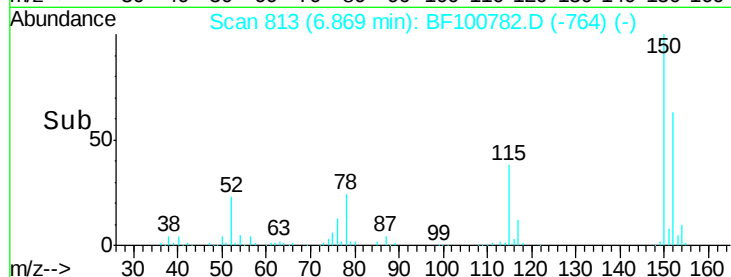
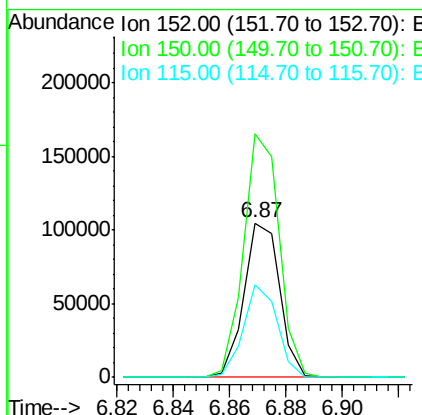
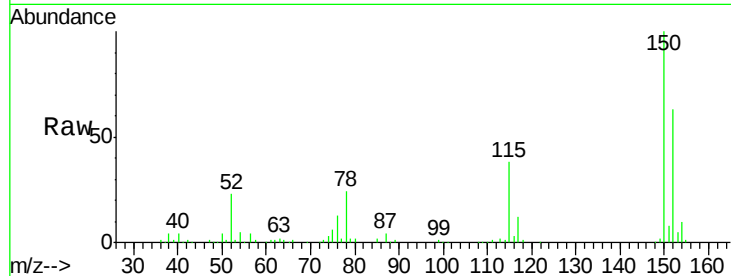




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF100782.D
 Acq: 21 Nov 2017 16:05

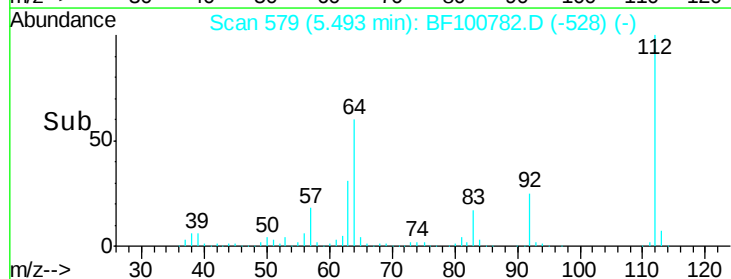
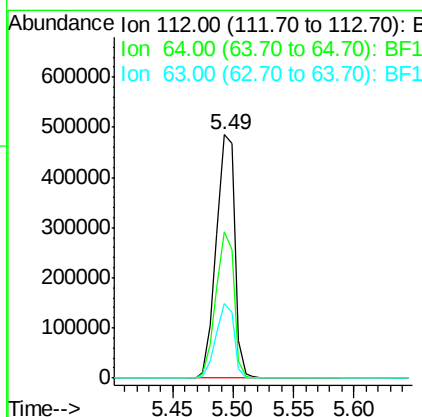
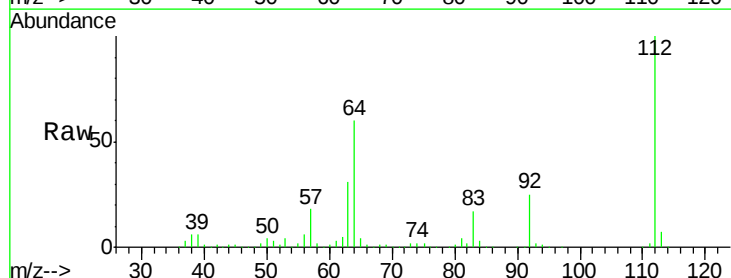
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 92001
 Ion Ratio Lower Upper
 152 100
 150 158.0 124.6 186.8
 115 60.2 50.1 75.1



#5
 2-Fluorophenol
 Concen: 89.17 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF100782.D
 Acq: 21 Nov 2017 16:05

Tgt Ion:112 Resp: 511773
 Ion Ratio Lower Upper
 112 100
 64 60.1 47.9 71.9
 63 30.8 23.7 35.5





#7

Phenol-d6

Concen: 86.69 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100782.D

Acq: 21 Nov 2017 16:05

Instrument :

BNA_F

ClientSampleId :

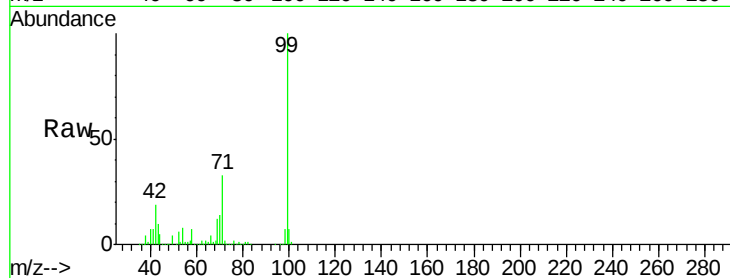
Tot Ion: 99 Resp: 613564

Ion Ratio Lower Upper

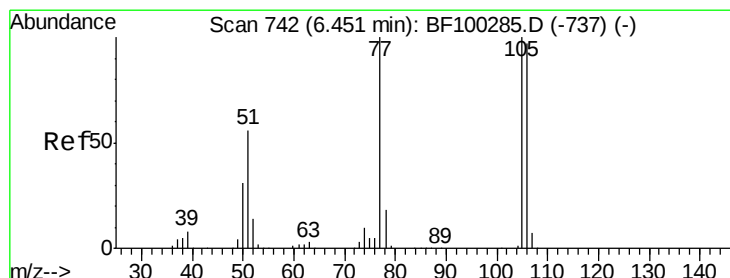
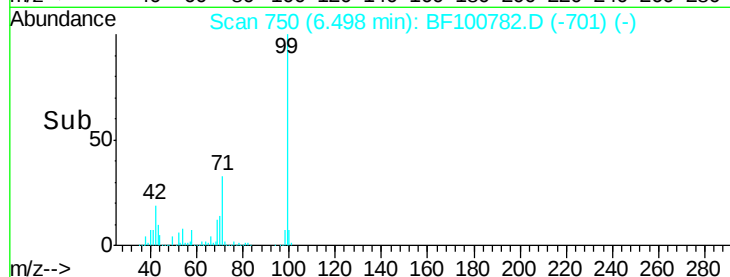
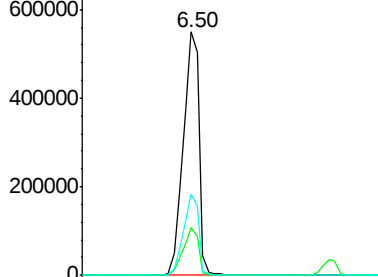
99 100

42 19.4 14.5 21.7

71 33.5 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



#9

Benzaldehyde

Concen: 2.01 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.21 min

Lab File: BF100782.D

Acq: 21 Nov 2017 16:05

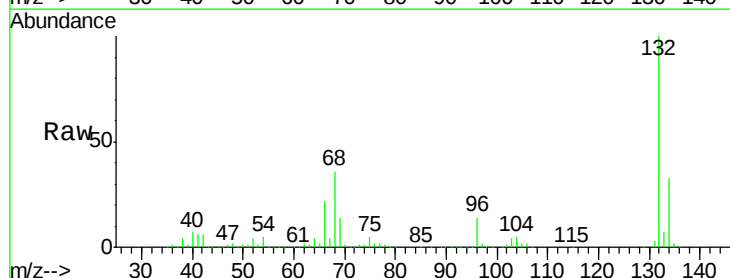
Tgt Ion: 77 Resp: 10175

Ion Ratio Lower Upper

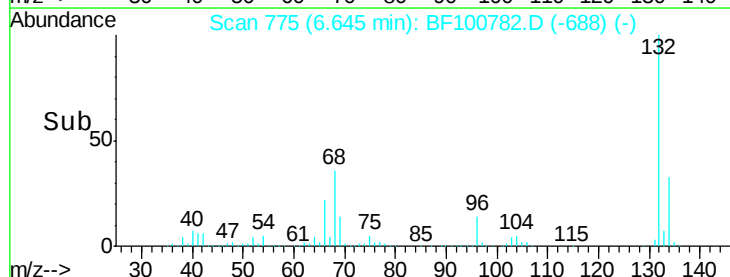
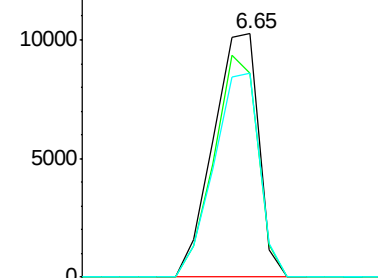
77 100

105 83.6 81.1 121.1

106 83.8 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

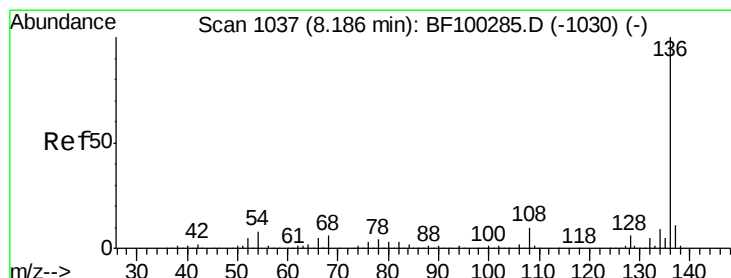
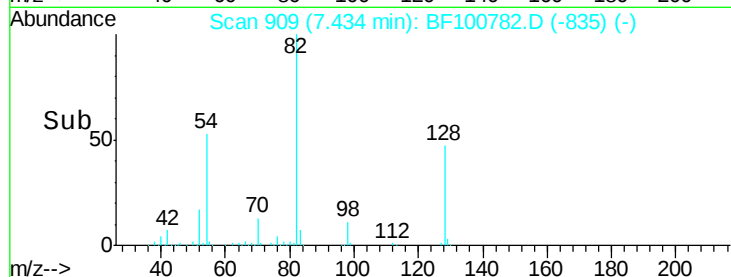
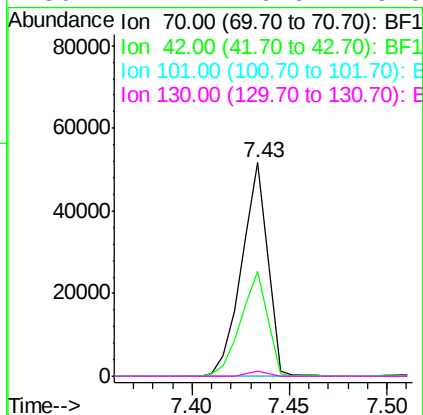
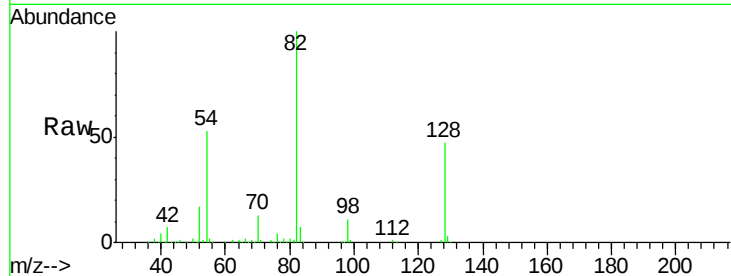




#19
n-Nitroso-di-n-propylamine
Concen: 9.81 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF100782.D
Acq: 21 Nov 2017 16:05

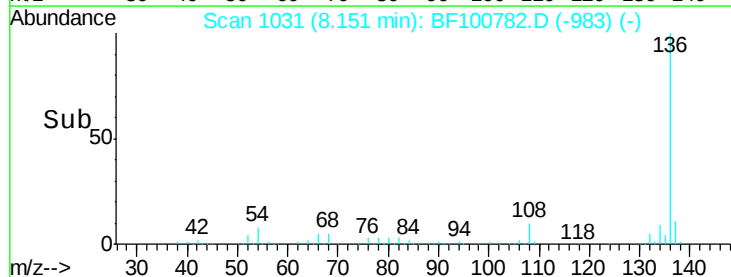
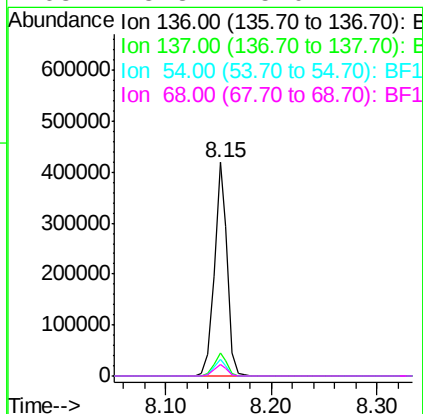
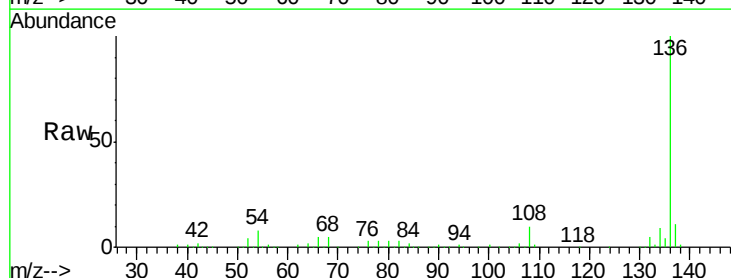
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 48139
Ion Ratio Lower Upper
70 100
42 49.4 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 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: BF100782.D
Acq: 21 Nov 2017 16:05

Tgt Ion: 136 Resp: 359566
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.0 6.6 9.8
68 5.3 5.0 7.4

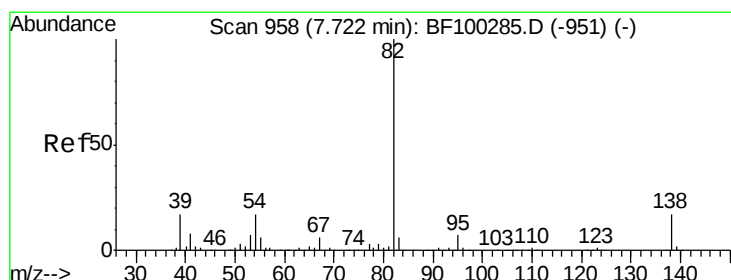
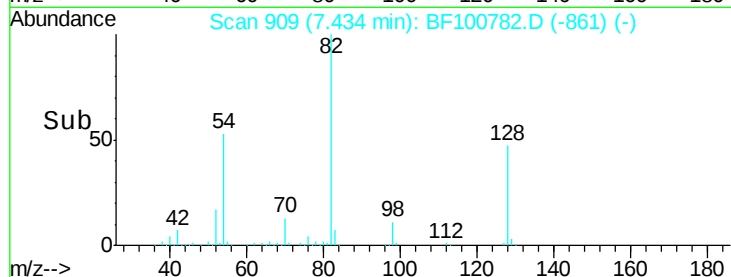
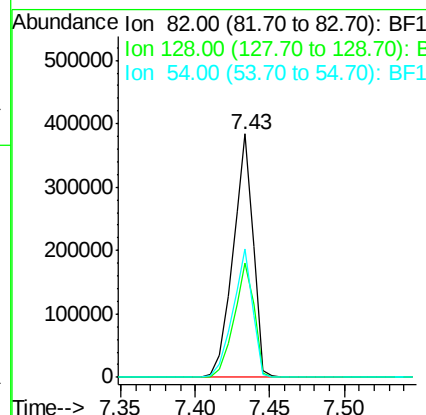
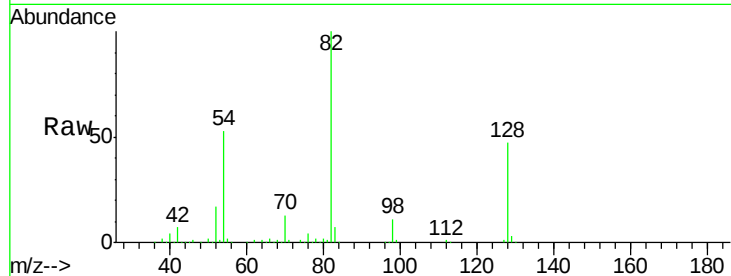




#23
 Nitrobenzene-d5
 Concen: 67.38 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF100782.D
 Acq: 21 Nov 2017 16:05

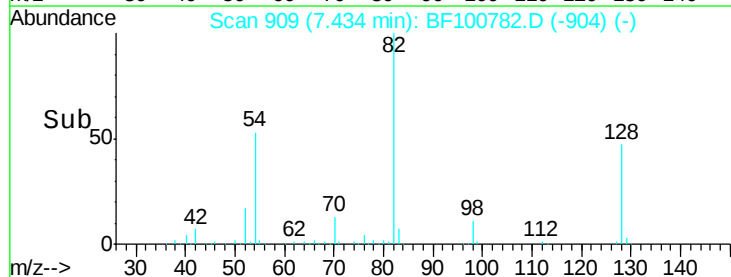
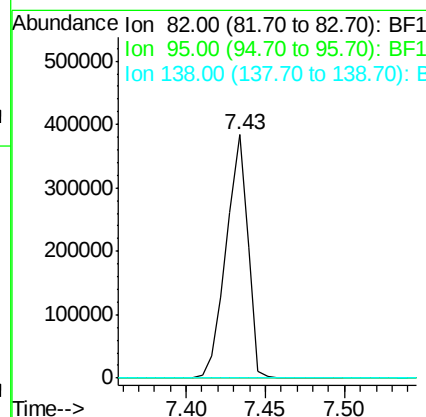
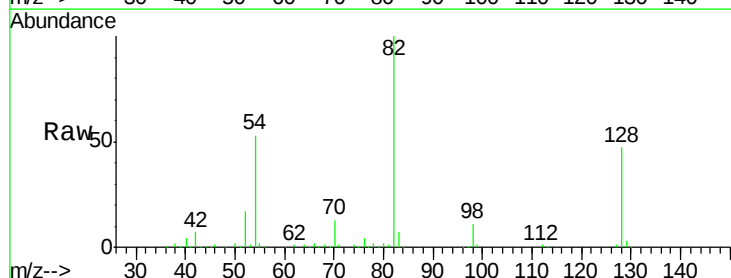
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	366437
Ion Ratio	Lower	Upper	
82	100		
128	46.7	36.1	54.1
54	52.8	41.4	62.2



#25
 Isophorone
 Concen: 32.06 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.27 min
 Lab File: BF100782.D
 Acq: 21 Nov 2017 16:05

Tgt Ion	82	Resp	366433
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

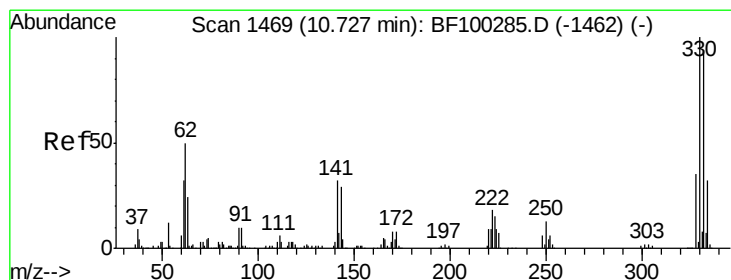
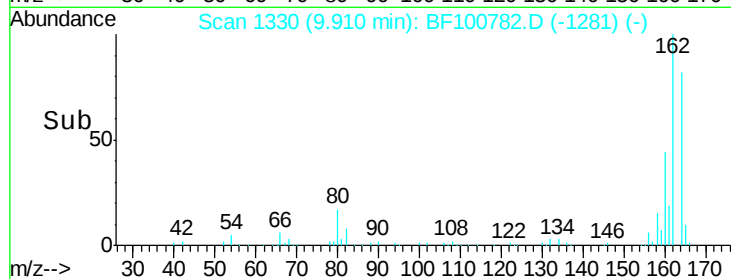
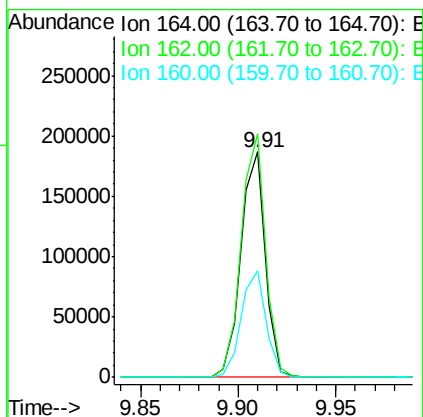
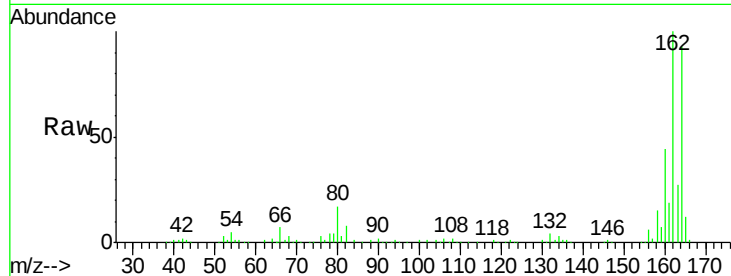




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100782.D
 Acq: 21 Nov 2017 16:05

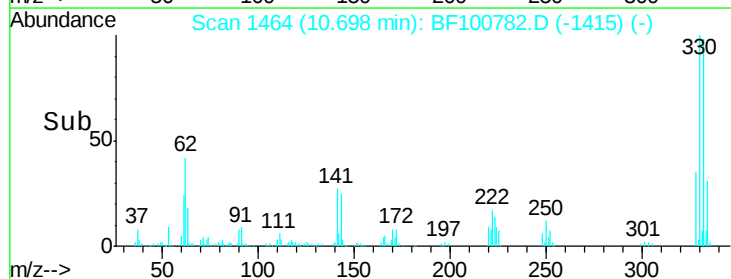
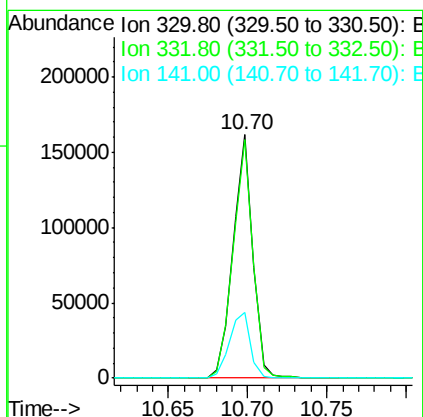
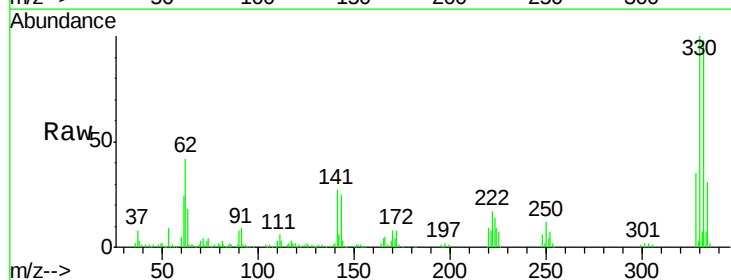
Instrument :
 BNA_F
 ClientSampleId :

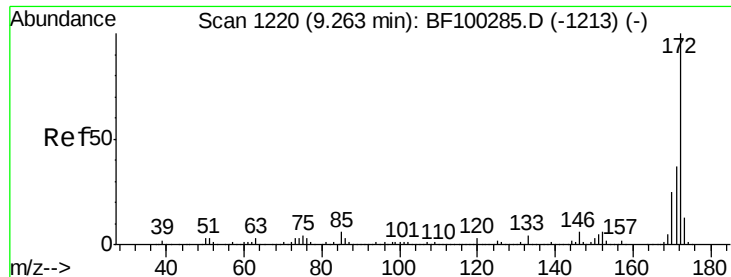
Tot Ion:164 Resp: 161883
 Ion Ratio Lower Upper
 164 100
 162 107.9 86.1 129.1
 160 47.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 84.82 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100782.D
 Acq: 21 Nov 2017 16:05

Tgt Ion:330 Resp: 139926
 Ion Ratio Lower Upper
 330 100
 332 98.6 77.0 115.6
 141 28.9 29.9 44.9#

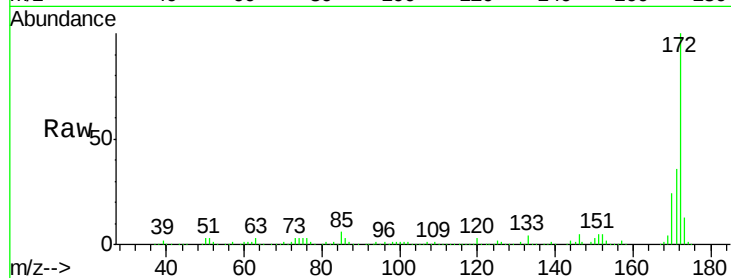




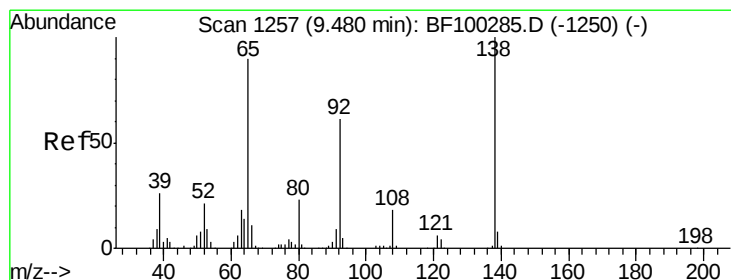
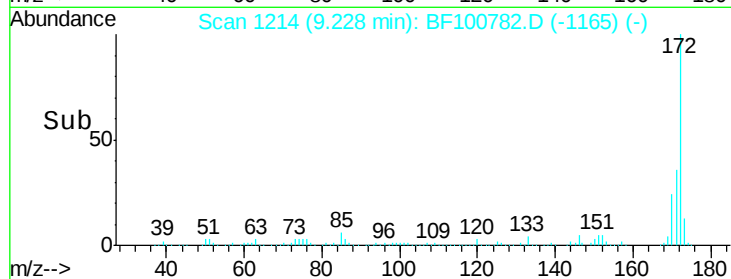
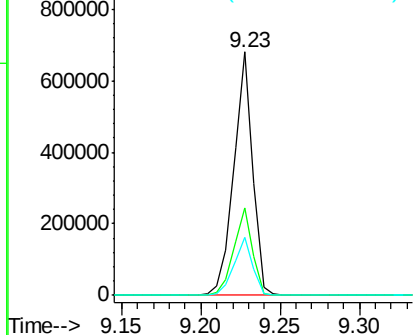
#44
 2-Fluorobiphenyl
 Concen: 53.11 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100782.D
 Acq: 21 Nov 2017 16:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 564664
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.6 19.6 29.4

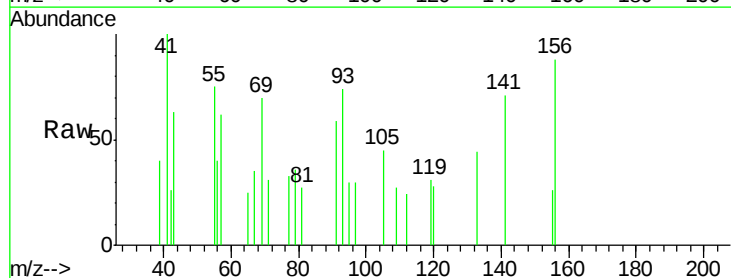


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

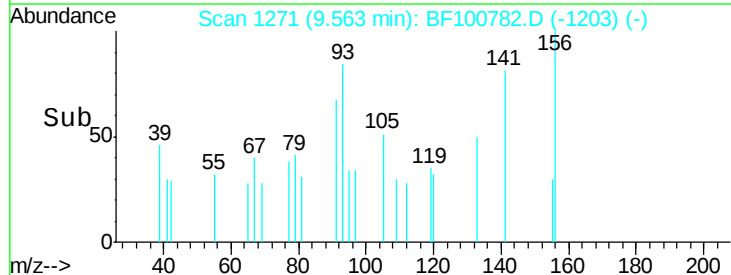
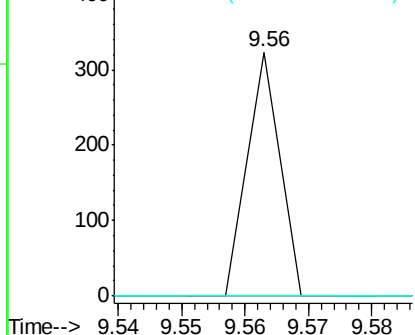


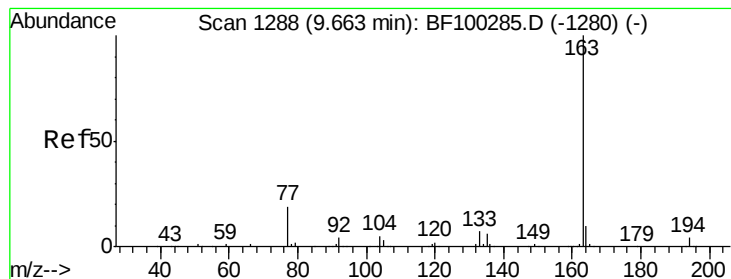
#47
 2-Nitroaniline
 Concen: 2.82 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. 0.10 min
 Lab File: BF100782.D
 Acq: 21 Nov 2017 16:05

Tgt Ion: 65 Resp: 114
 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





#49

Dimethylphthalate

Concen: 16.15 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF100782.D

Acq: 21 Nov 2017 16:05

Instrument :

BNA_F

ClientSampleId :

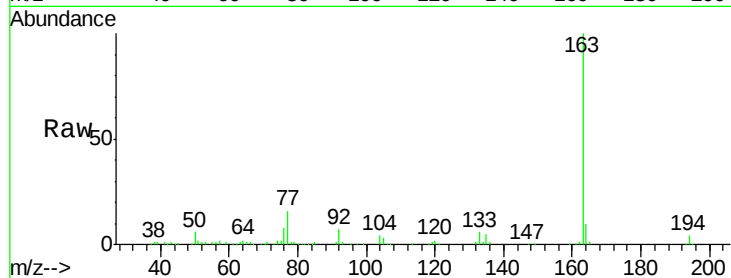
Tot Ion:163 Resp: 199650

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

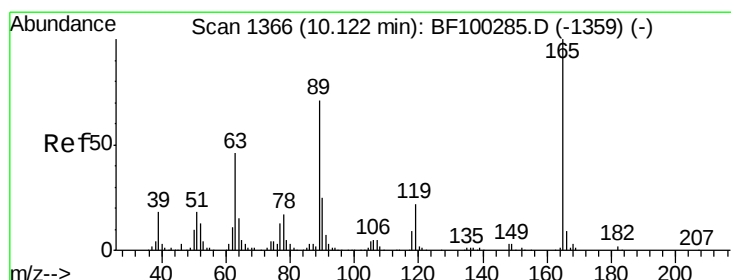
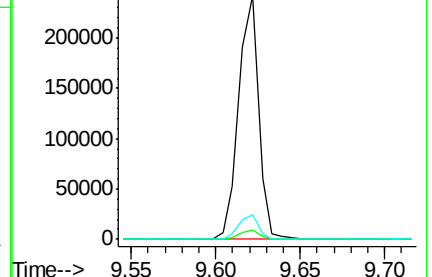
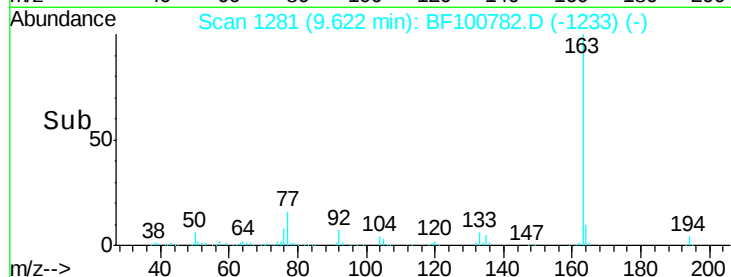
164 9.9 8.2 12.2



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: 6.74 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.20 min

Lab File: BF100782.D

Acq: 21 Nov 2017 16:05

Tgt Ion:165 Resp: 20804

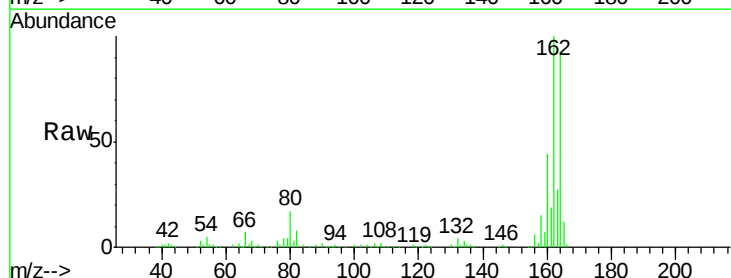
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

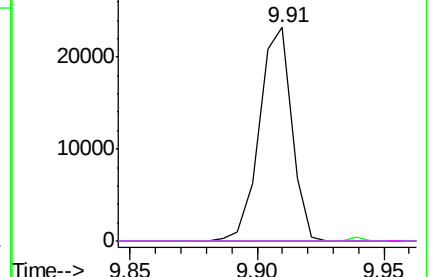
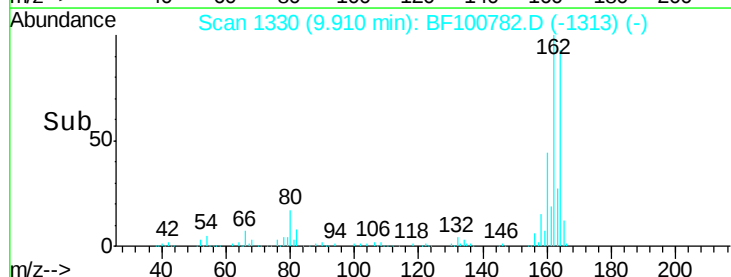


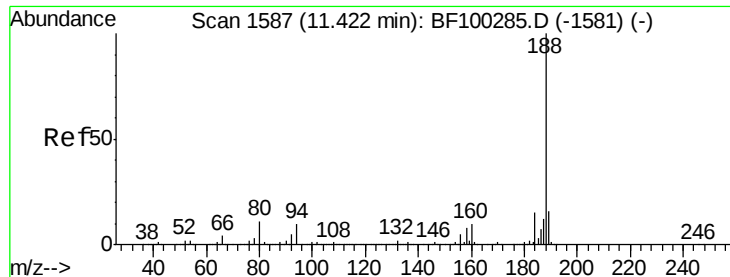
Abundance Ion 165.00 (164.70 to 165.70): E

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

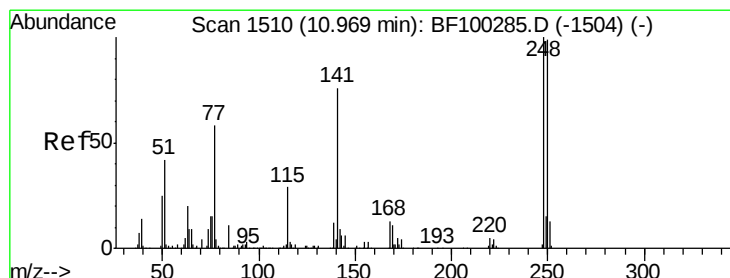
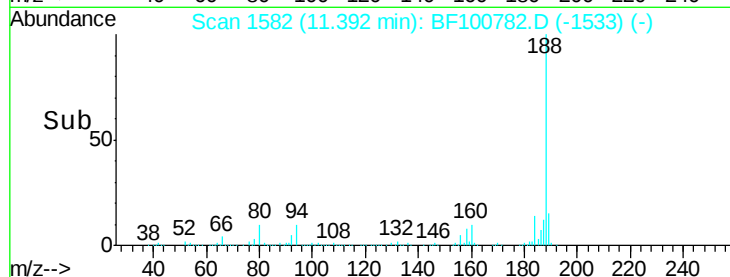
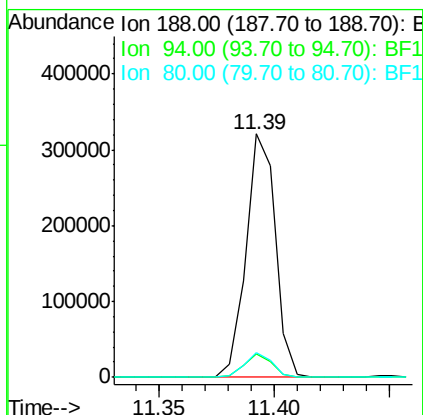
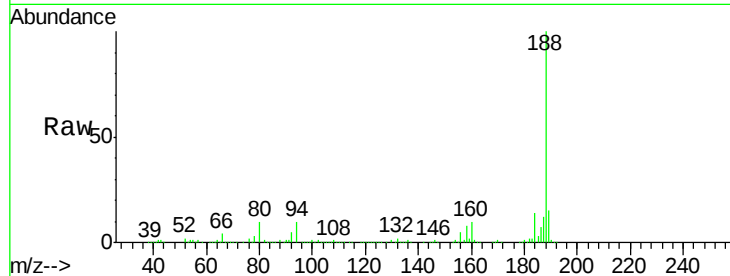




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100782.D
Acq: 21 Nov 2017 16:05

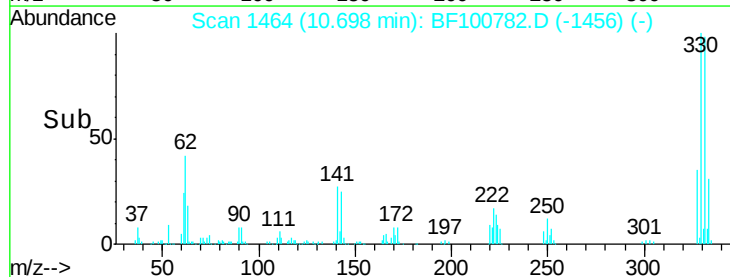
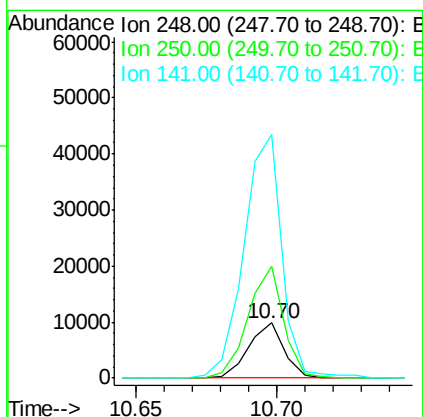
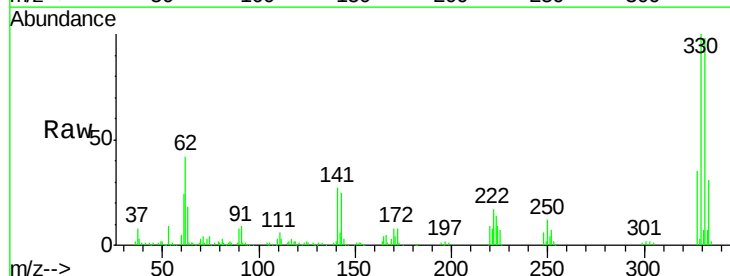
Instrument :
BNA_F
ClientSampleId :

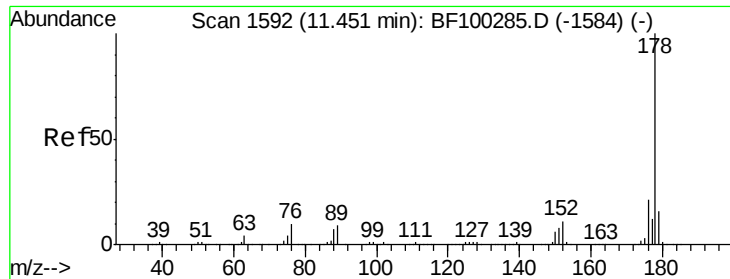
Tot Ion:188 Resp: 285791
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.1 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.80 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF100782.D
Acq: 21 Nov 2017 16:05

Tgt Ion:248 Resp: 8583
Ion Ratio Lower Upper
248 100
250 202.5 76.9 115.3#
141 440.4 74.4 111.6#





#70

Phenanthrene

Concen: 4.56 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.02 min

Lab File: BF100782.D

Acq: 21 Nov 2017 16:05

Instrument :

BNA_F

ClientSampled :

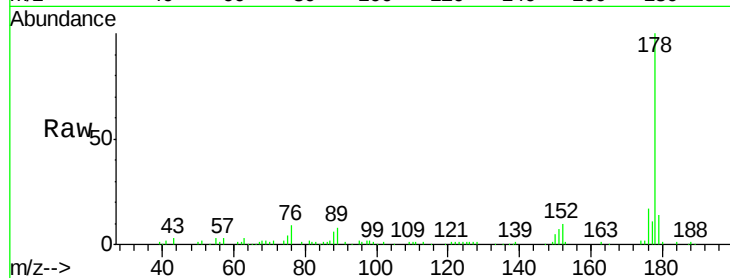
Tot Ion:178 Resp: 68569

Ion Ratio Lower Upper

178 100

176 17.4 15.8 23.8

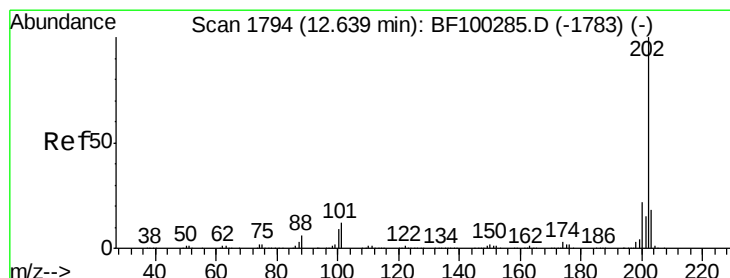
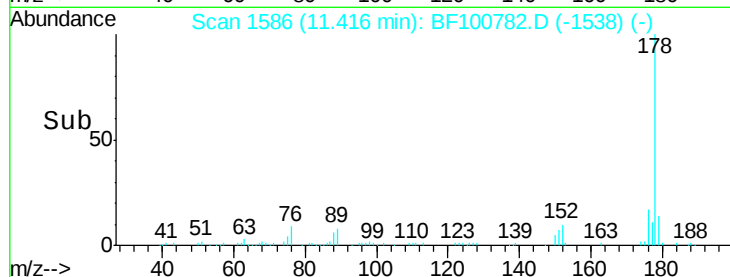
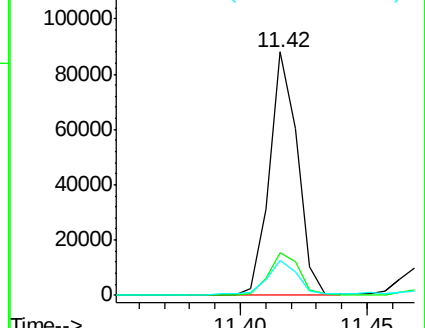
179 14.4 13.0 19.6



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: 8.03 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF100782.D

Acq: 21 Nov 2017 16:05

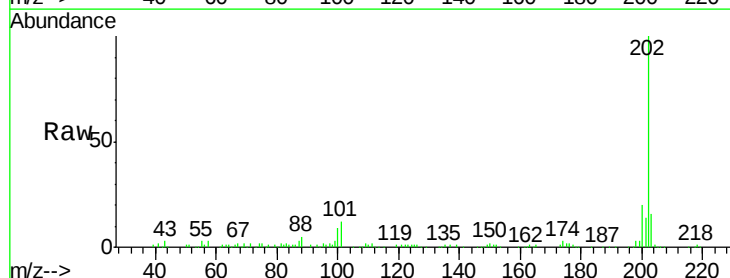
Tgt Ion:202 Resp: 127993

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

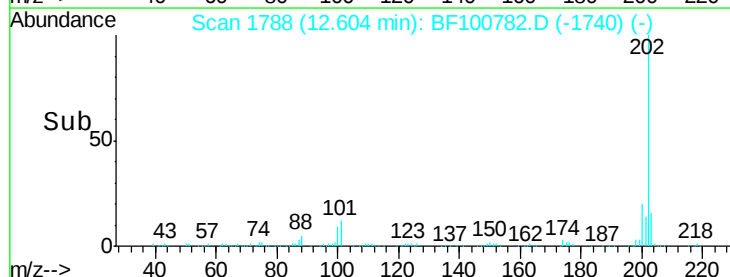
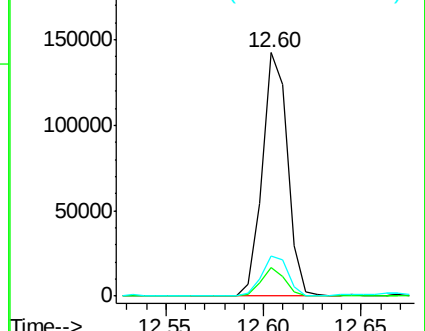
203 16.4 0.0 38.1

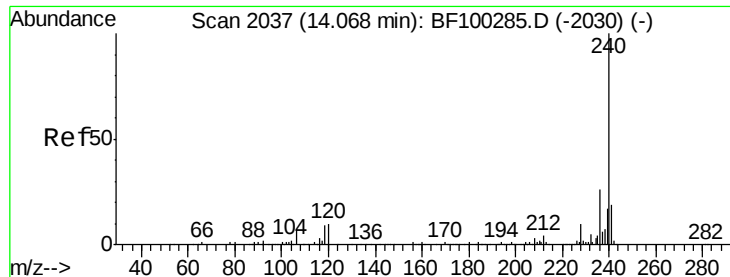


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2031

Delta R.T. -0.01 min

Lab File: BF100782.D

Acq: 21 Nov 2017 16:05

Instrument :

BNA_F

ClientSampleId :

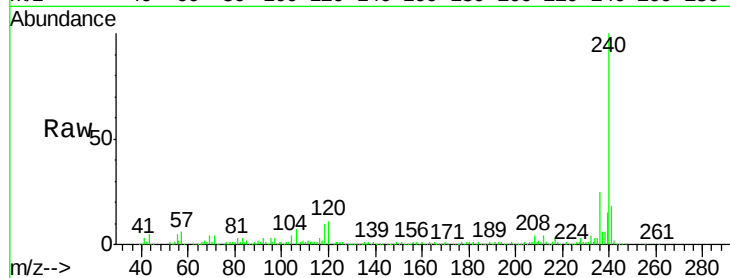
Tot Ion:240 Resp: 182679

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

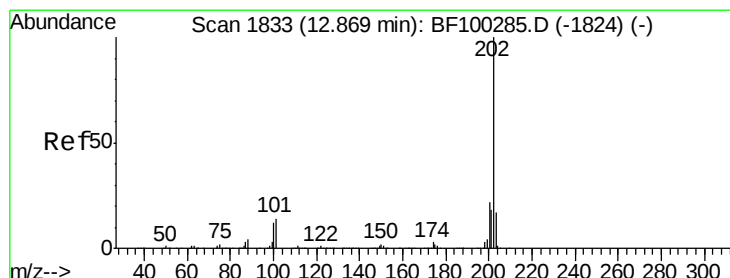
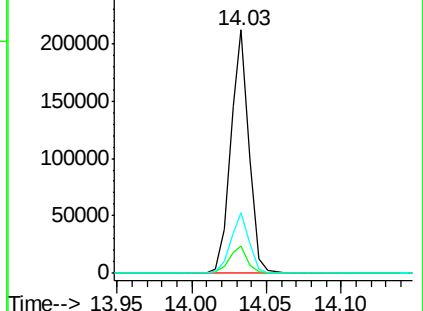
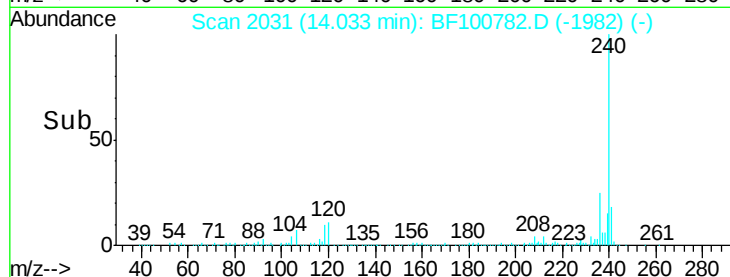
236 24.9 20.7 31.1



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: 7.32 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF100782.D

Acq: 21 Nov 2017 16:05

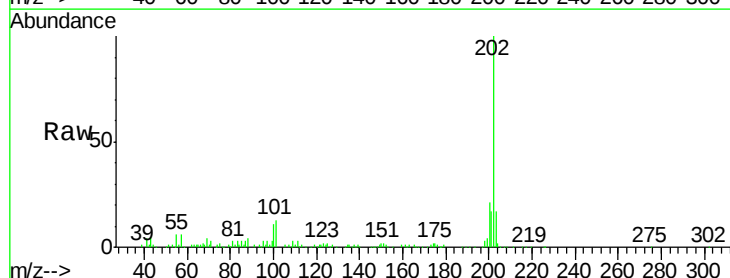
Tgt Ion:202 Resp: 95342

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

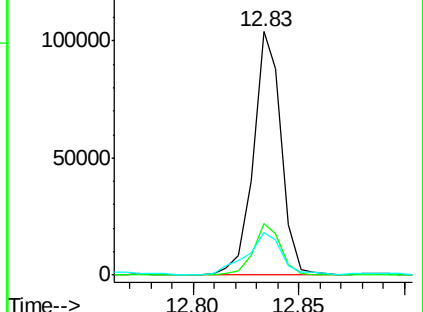
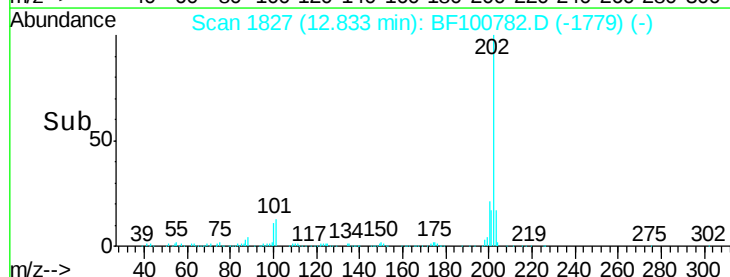
203 17.5 14.3 21.5

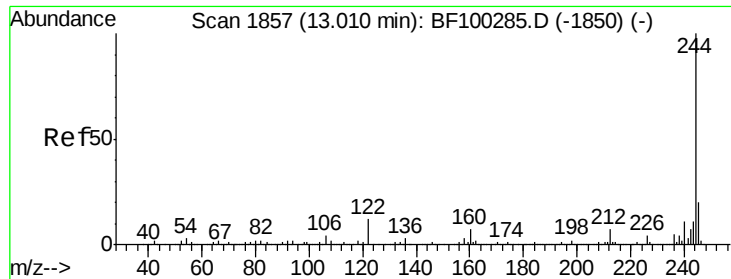


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

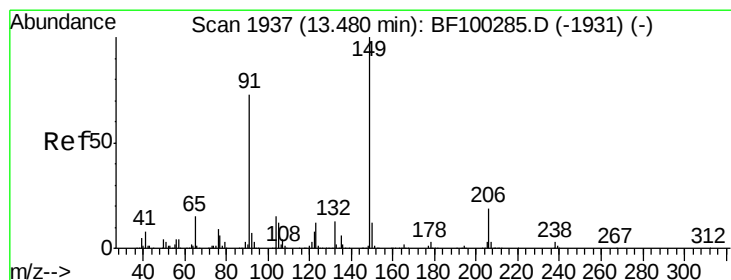
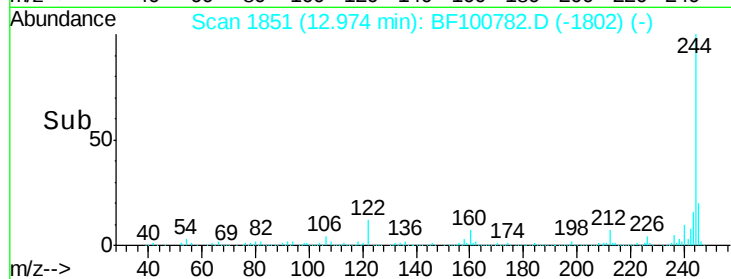
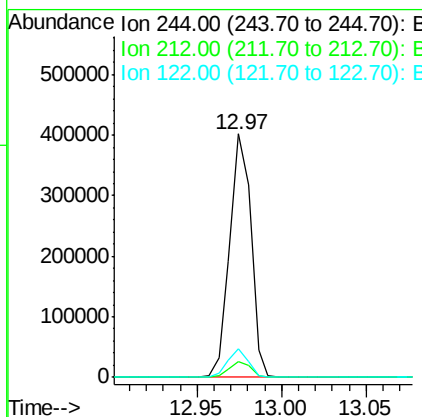
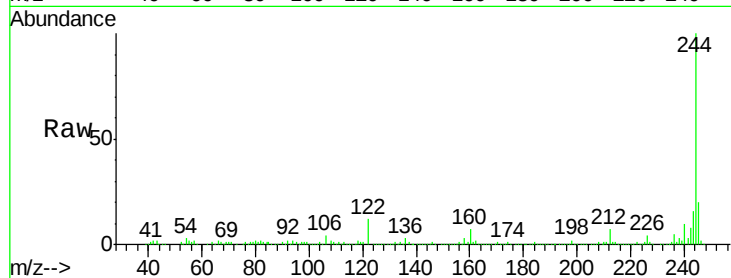




#78
 Terphenyl-d14
 Concen: 44.28 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF100782.D
 Acq: 21 Nov 2017 16:05

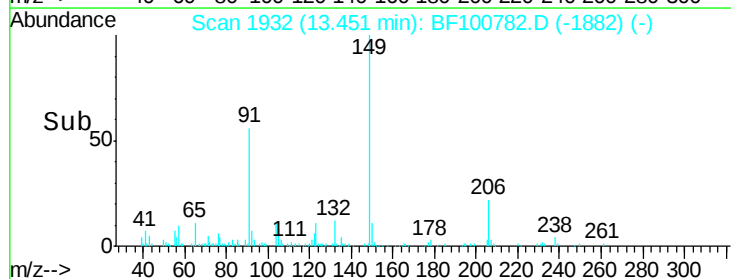
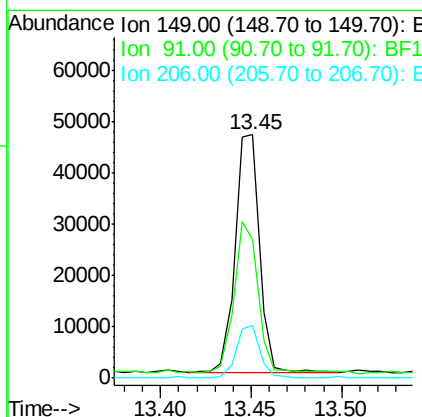
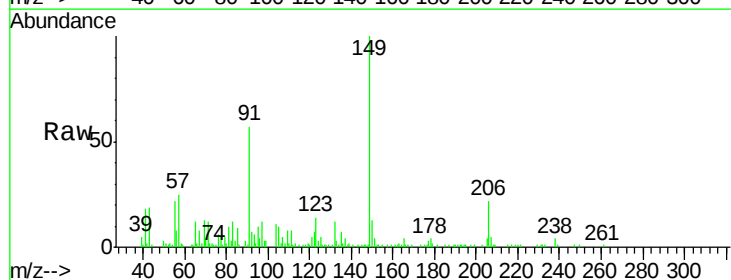
Instrument :
 BNA_F
 ClientSampled :

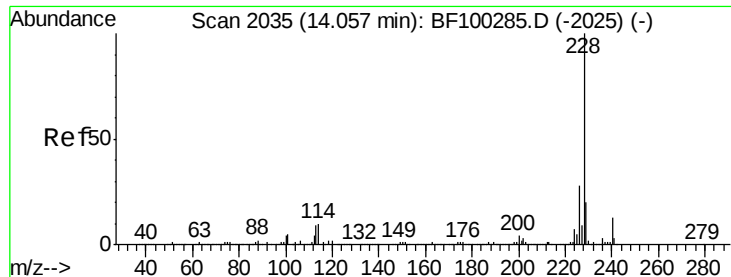
Tot Ion:244 Resp: 352083
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 11.7 11.0 16.4



#79
 Butylbenzylphthalate
 Concen: 8.16 ng
 RT: 13.45 min Scan# 1932
 Delta R.T. -0.01 min
 Lab File: BF100782.D
 Acq: 21 Nov 2017 16:05

Tgt Ion:149 Resp: 43342
 Ion Ratio Lower Upper
 149 100
 91 57.0 56.8 85.2
 206 21.8 14.1 21.1#

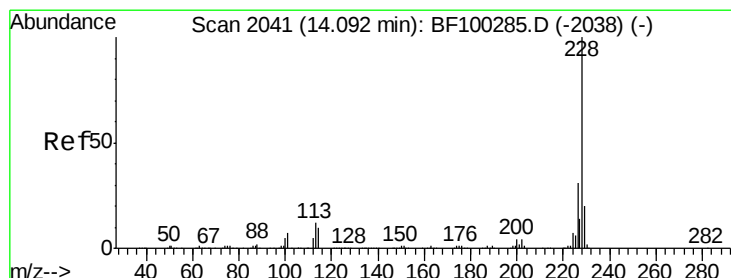
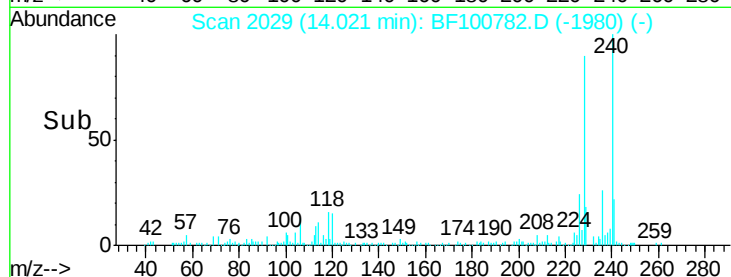
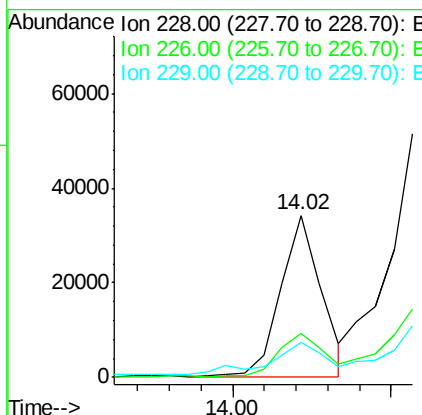
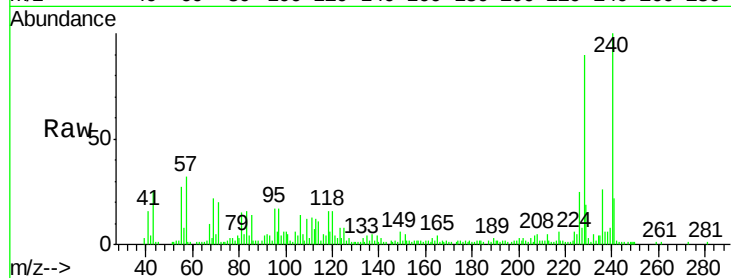




#80
Benzo(a)anthracene
Concen: 2.81 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF100782.D
Acq: 21 Nov 2017 16:05

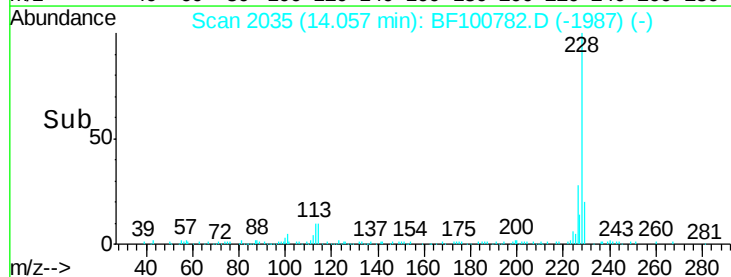
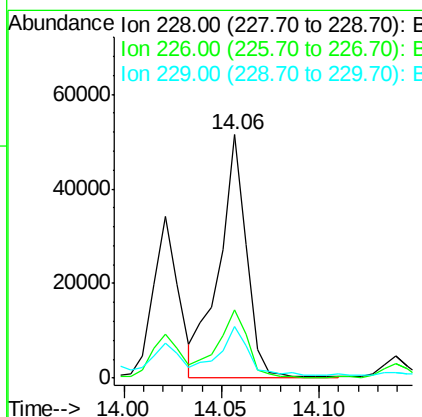
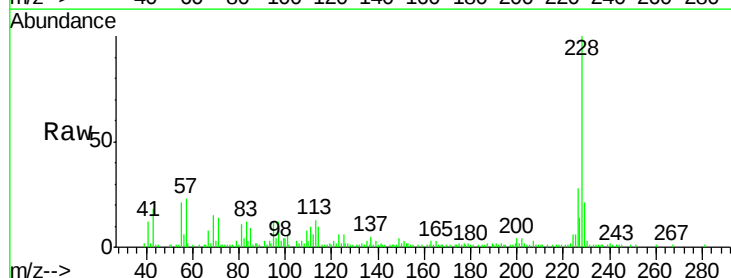
Instrument :
BNA_F
ClientSampleId :

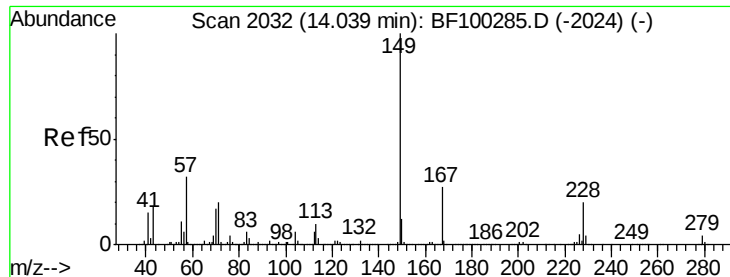
Tot Ion:228 Resp: 30929
Ion Ratio Lower Upper
228 100
226 27.5 22.6 33.8
229 21.7 15.8 23.6



#82
Chrysene
Concen: 4.76 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF100782.D
Acq: 21 Nov 2017 16:05

Tgt Ion:228 Resp: 50728
Ion Ratio Lower Upper
228 100
226 28.0 25.0 37.6
229 21.2 16.2 24.4

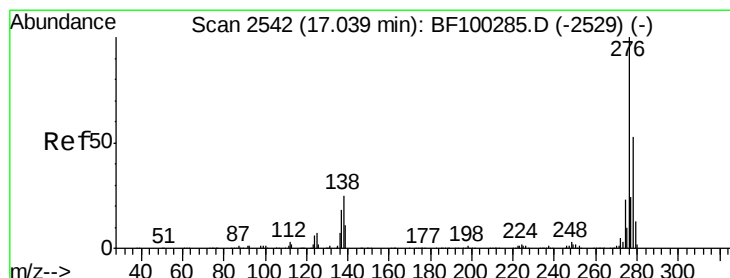
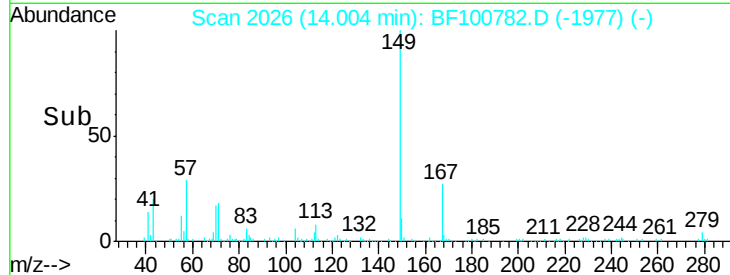
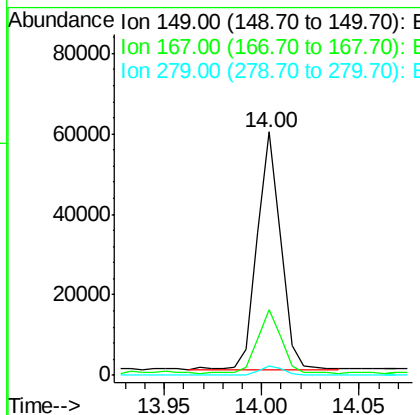
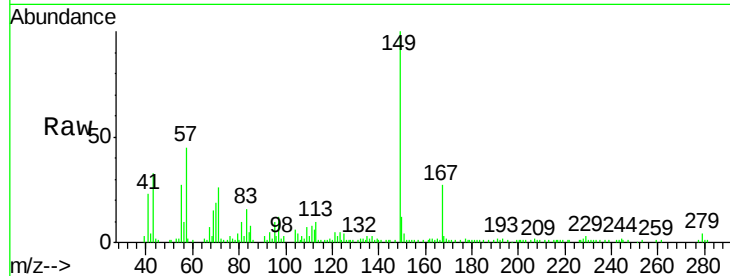




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.12 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF100782.D
 Acq: 21 Nov 2017 16:05

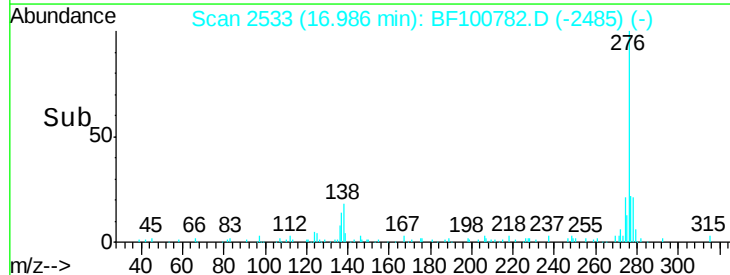
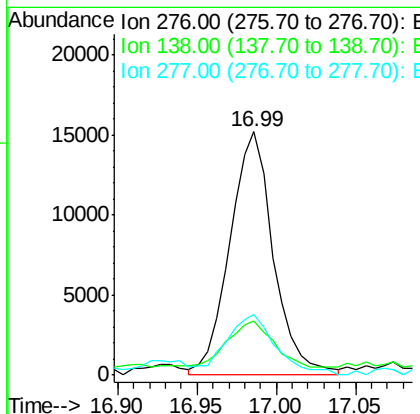
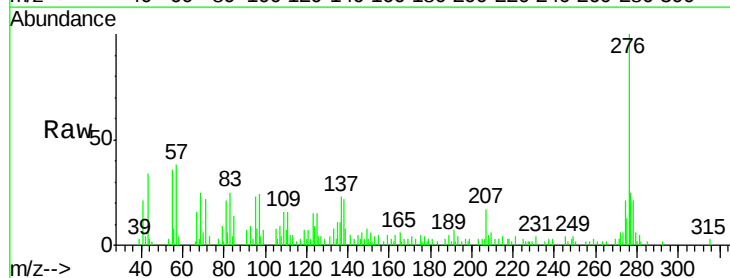
Instrument :
 BNA_F
 ClientSampleId :

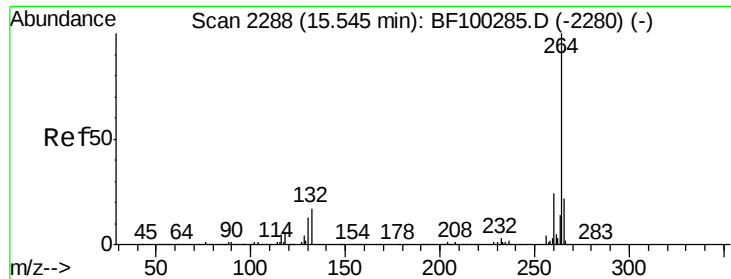
Tot Ion:149 Resp: 49749
 Ion Ratio Lower Upper
 149 100
 167 27.2 21.3 31.9
 279 3.8 3.0 4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.36 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. -0.02 min
 Lab File: BF100782.D
 Acq: 21 Nov 2017 16:05

Tgt Ion:276 Resp: 28991
 Ion Ratio Lower Upper
 276 100
 138 20.7 25.0 37.6#
 277 28.9 20.1 30.1

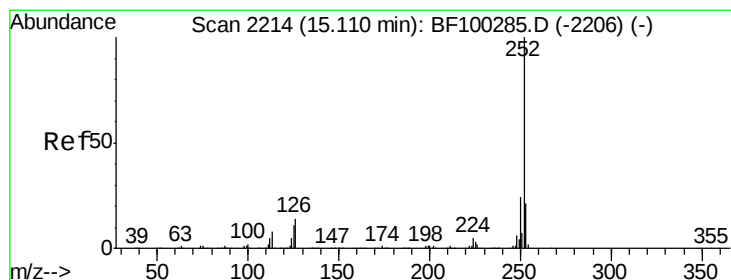
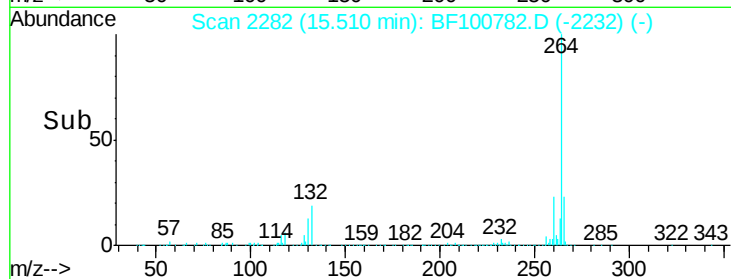
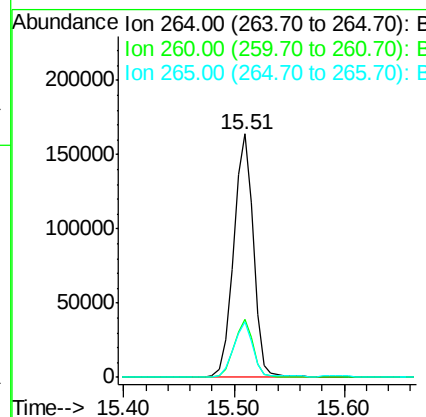
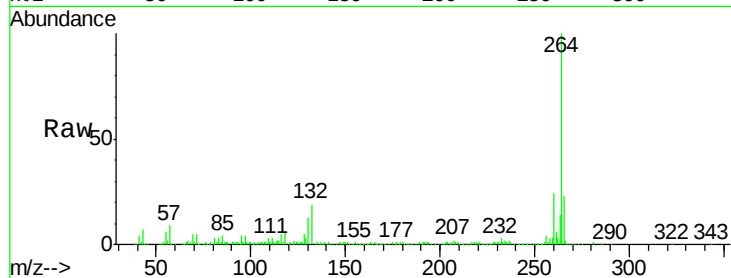




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF100782.D
Acq: 21 Nov 2017 16:05

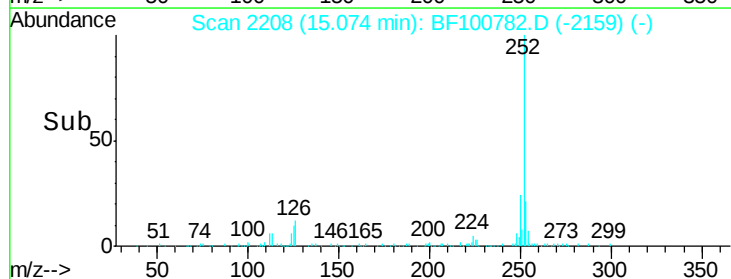
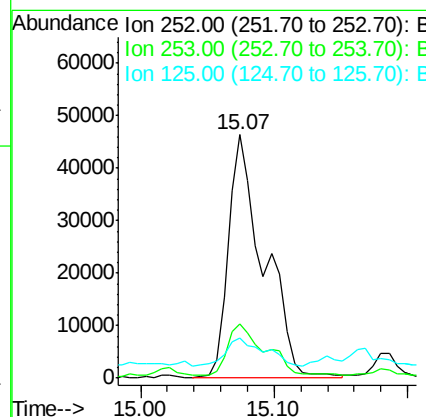
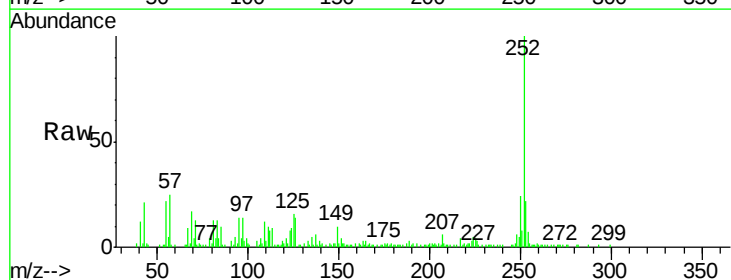
Instrument :
BNA_F
ClientSampleId :

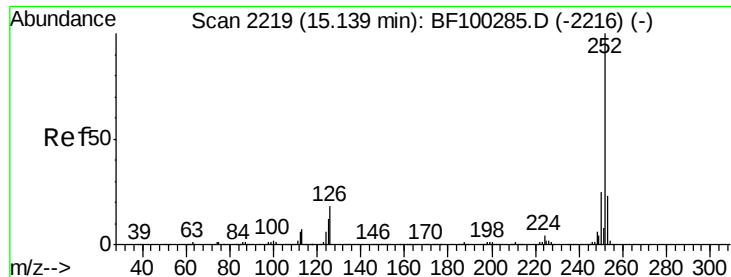
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 7.06 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF100782.D
Acq: 21 Nov 2017 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	16.5	9.0	13.6

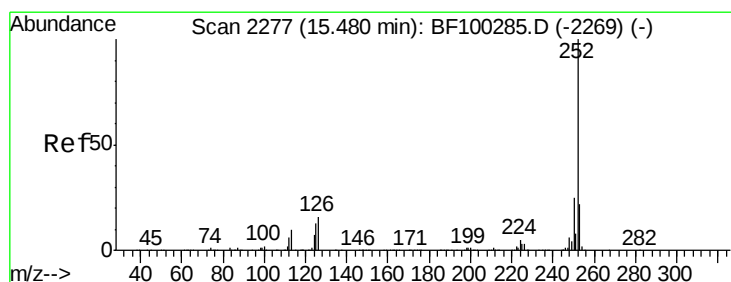
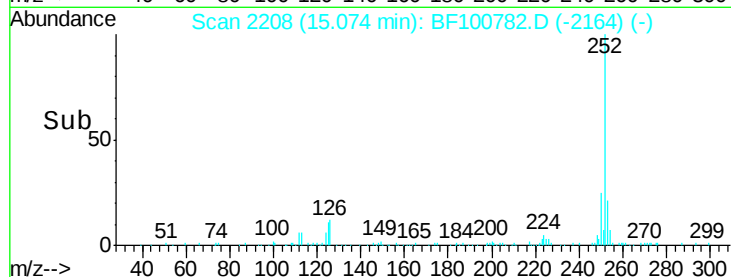
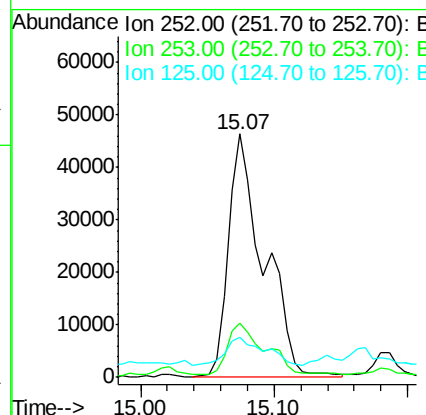
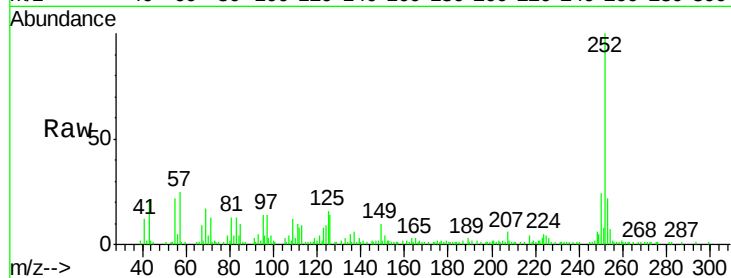




#88
Benzo(k)fluoranthene
Concen: 7.47 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF100782.D
Acq: 21 Nov 2017 16:05

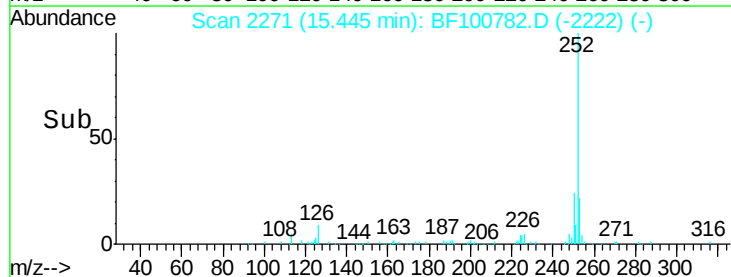
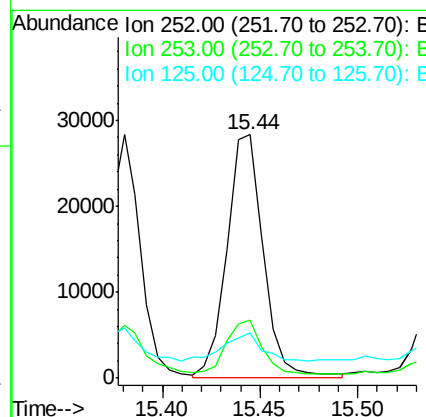
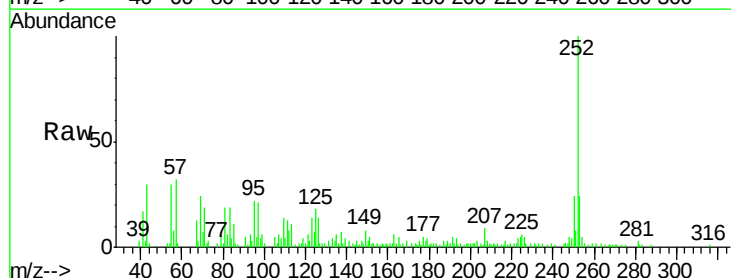
Instrument :
BNA_F
ClientSampleId :

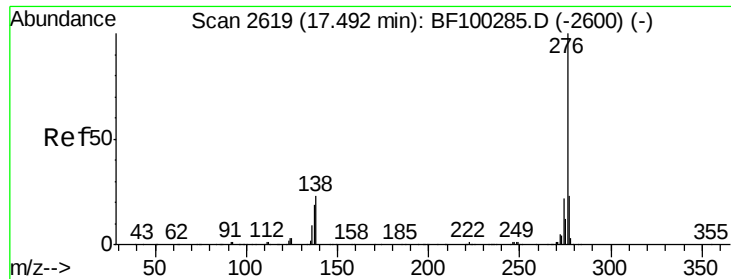
Tot Ion:252 Resp: 86223
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 16.5 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 3.41 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF100782.D
Acq: 21 Nov 2017 16:05

Tgt Ion:252 Resp: 36891
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 18.5 9.8 14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.34 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. -0.02 min
 Lab File: BF100782.D
 Acq: 21 Nov 2017 16:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.8	17.9	26.9
138	25.4	21.8	32.8

