

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110518\
 Data File : BF110483.D
 Acq On : 6 Nov 2018 00:25
 Operator : JU/SJ
 Sample : J5759-21DL 100X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6DL

Quant Time: Nov 06 03:48:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	92372	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	403752	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	166011	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	249190	20.00	ng	0.00
76) Chrysene-d12	14.13	240	180660	20.00	ng	0.00
87) Perylene-d12	15.66	264	142539	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	4027	0.71	ng	0.01
7) Phenol-d6	6.61	99	5694	0.78	ng	0.03
23) Nitrobenzene-d5	7.53	82	3635	0.53	ng	0.01
42) 2,4,6-Tribromophenol	10.80	330	934	0.57	ng	0.00
45) 2-Fluorobiphenyl	9.32	172	8859	0.84	ng	0.00
79) Terphenyl-d14	13.06	244	6073	0.70	ng	-0.01

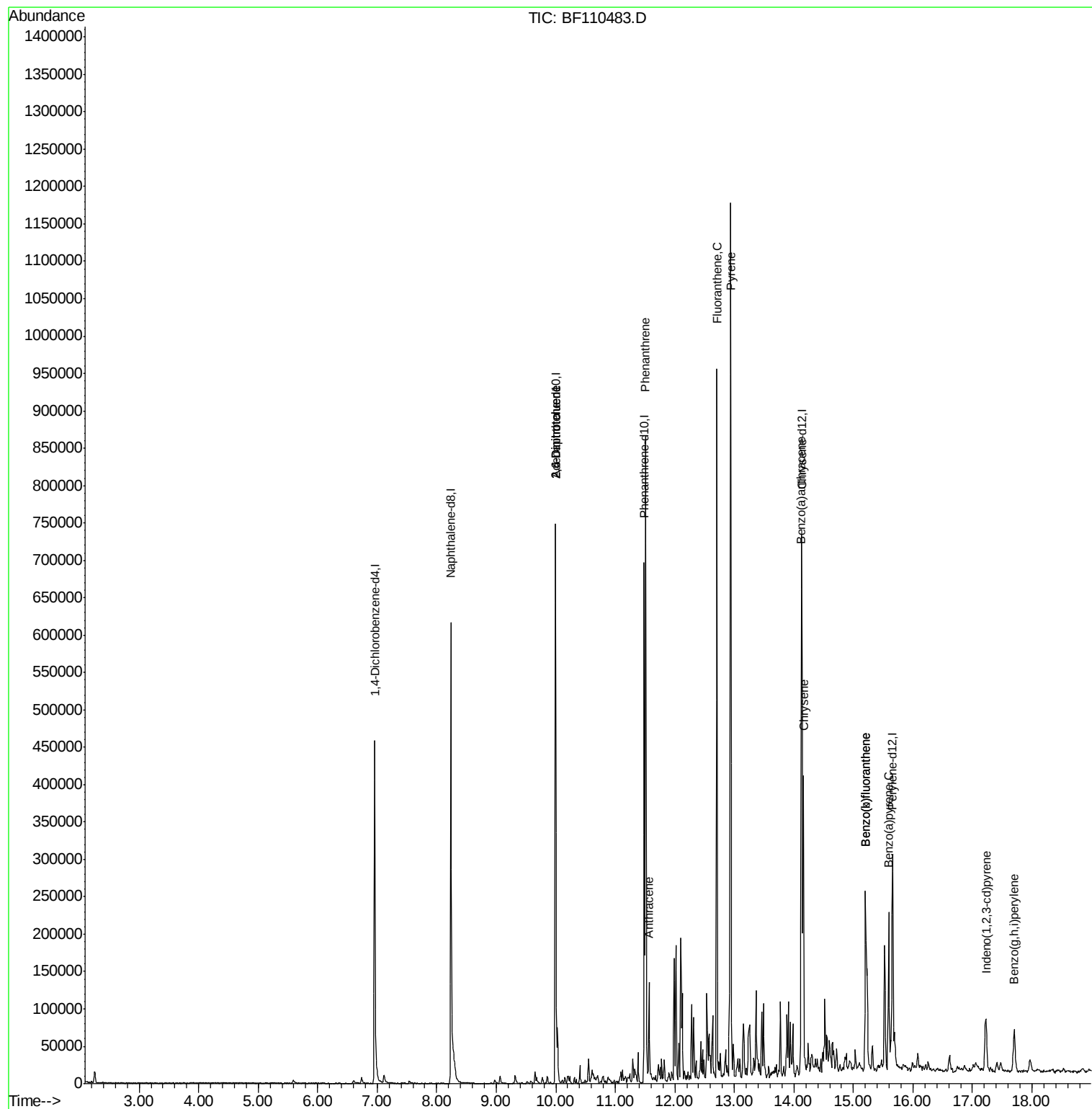
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) 2,6-Dinitrotoluene	10.00	165	21624	8.192	ng	# 23
57) 2,4-Dinitrotoluene	10.00	165	21625	6.450	ng	# 20
71) Phenanthrene	11.51	178	341542	26.194	ng	99
72) Anthracene	11.57	178	70328	5.381	ng	97
75) Fluoranthene	12.70	202	362063	27.361	ng	99
78) Pyrene	12.94	202	480024	37.062	ng	99
81) Benzo(a)anthracene	14.12	228	175417	16.373	ng	98
83) Chrysene	14.16	228	161542	15.875	ng	100
86) Indeno(1,2,3-cd)pyrene	17.22	276	50162	5.942	ng	99
88) Benzo(b)fluoranthene	15.20	252	175872	21.367	ng	97
89) Benzo(k)fluoranthene	15.20	252	175872	21.734	ng	# 96
90) Benzo(a)pyrene	15.59	252	107545	14.199	ng	96
92) Benzo(g,h,i)perylene	17.70	276	53735	8.344	ng	96

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

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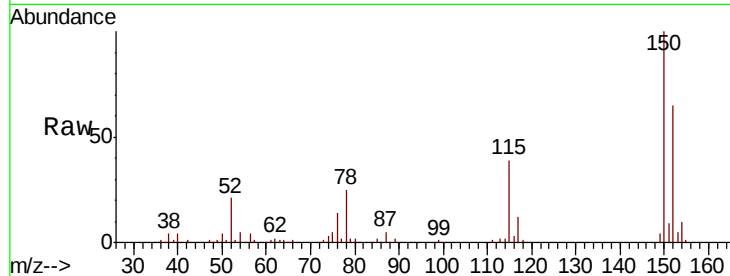




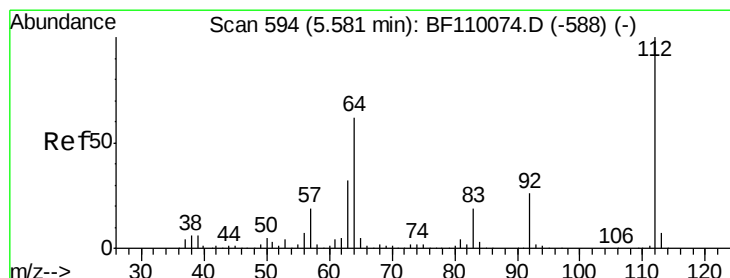
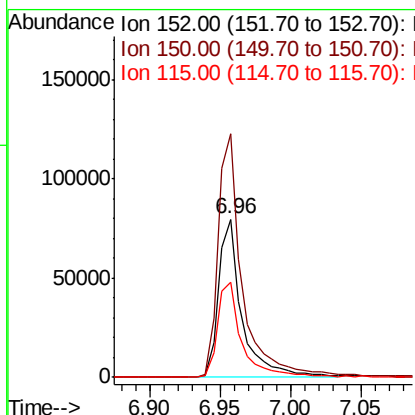
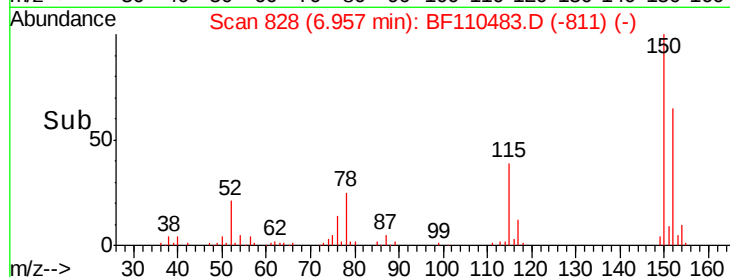
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF110483.D
 Acq: 6 Nov 2018 00:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-6DL

Tgt Ion:152 Resp: 92372
 Ion Ratio Lower Upper
 152 100
 150 154.1 122.7 184.1
 115 59.8 49.1 73.7

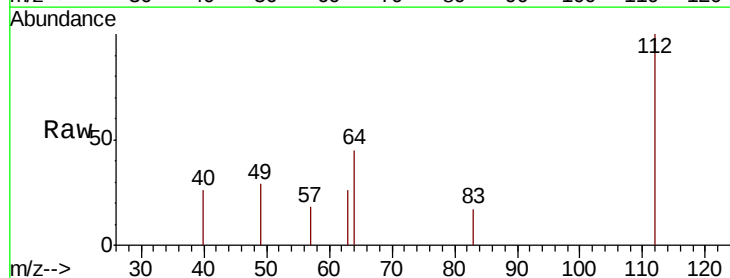


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

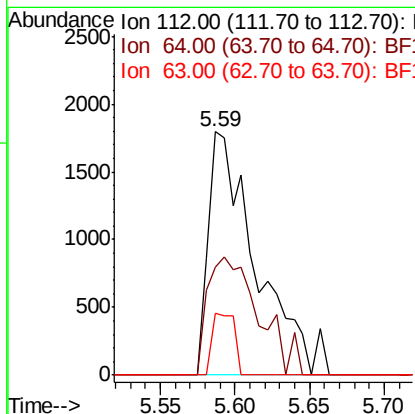
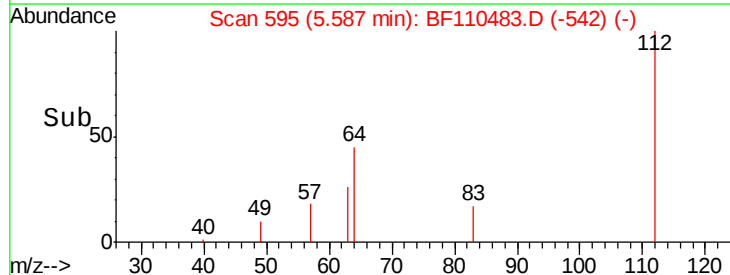


#5
 2-Fluorophenol
 Concen: 0.710 ng
 RT: 5.59 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: BF110483.D
 Acq: 6 Nov 2018 00:25

Tgt Ion:112 Resp: 4027
 Ion Ratio Lower Upper
 112 100
 64 44.5 44.1 66.1
 63 25.6 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: 0.785 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.03 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

Instrument :

BNA_F

ClientSampleId :

TP-6DL

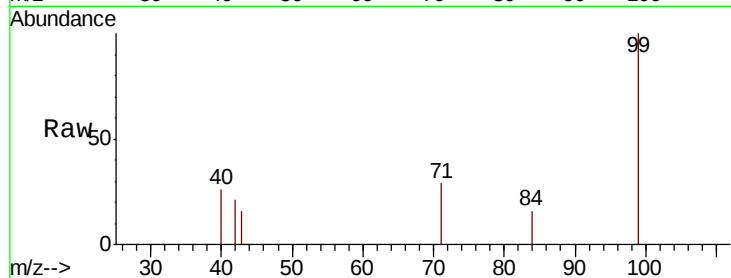
Tgt Ion: 99 Resp: 5694

Ion Ratio Lower Upper

99 100

42 21.0 15.8 23.6

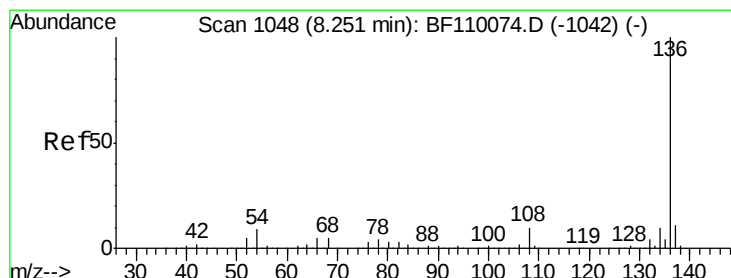
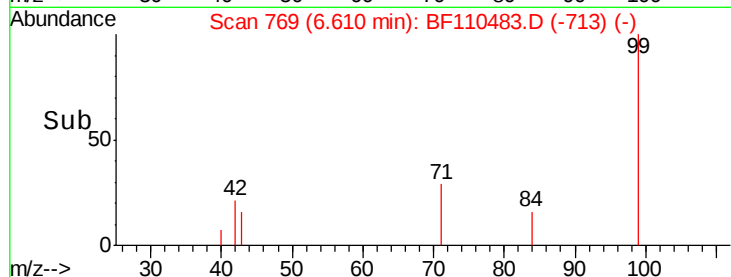
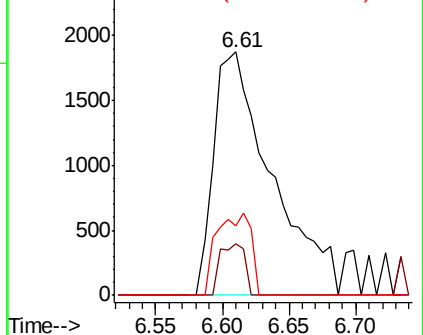
71 28.6 28.0 42.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

Tgt Ion: 136 Resp: 403752

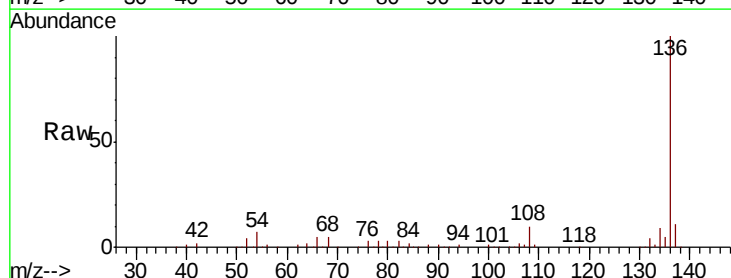
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.2 5.4 8.2

68 4.7 4.2 6.2

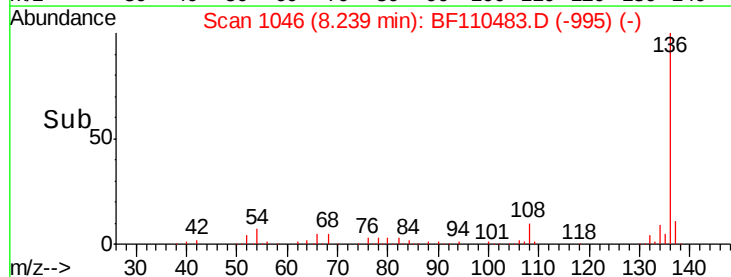
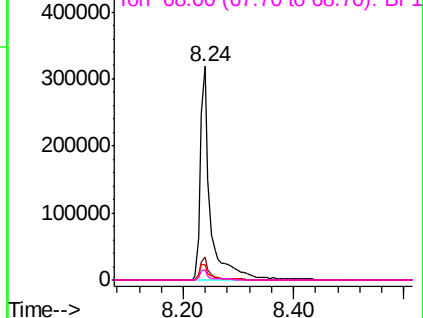


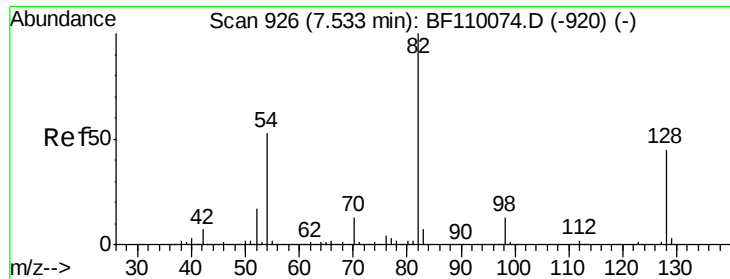
Abundance Ion 136.00 (135.70 to 136.70): E

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

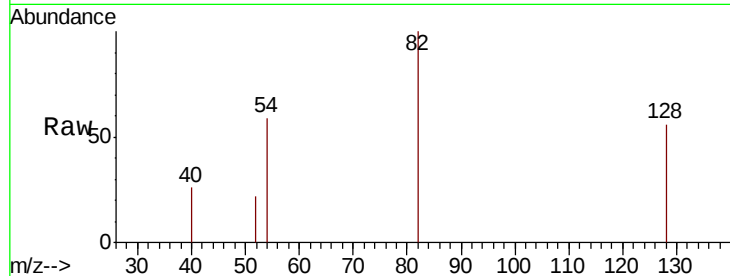




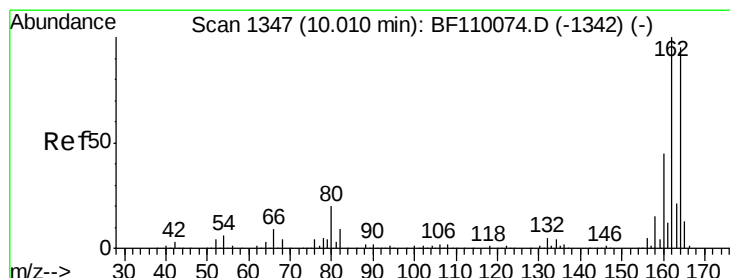
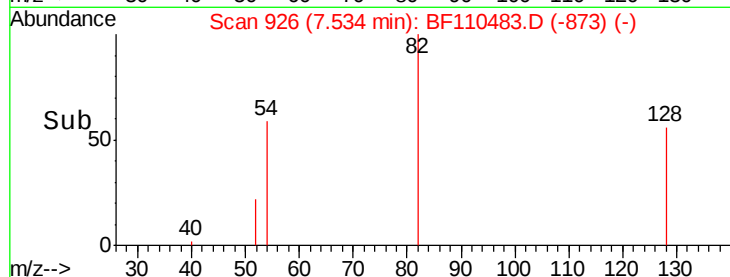
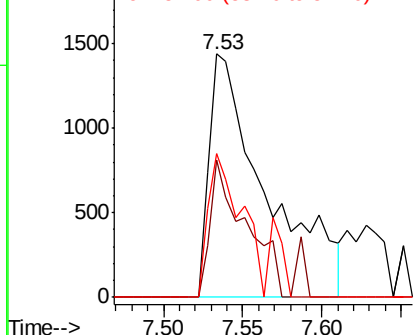
#23
 Nitrobenzene-d5
 Concen: 0.534 ng
 RT: 7.53 min Scan# 926
 Delta R.T. 0.01 min
 Lab File: BF110483.D
 Acq: 6 Nov 2018 00:25

Instrument :
 BNA_F
 ClientSampleID :
 TP-6DL

Tgt Ion: 82 Resp: 3635
 Ion Ratio Lower Upper
 82 100
 128 56.5 34.2 51.2#
 54 59.0 38.6 58.0#

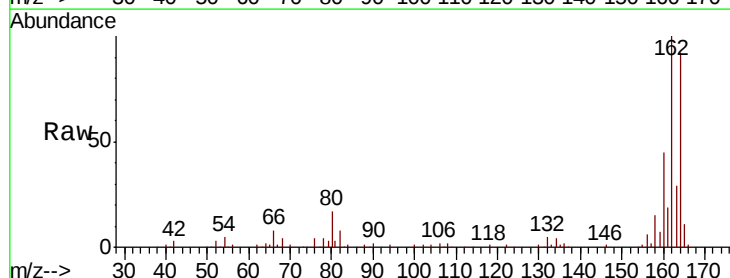


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

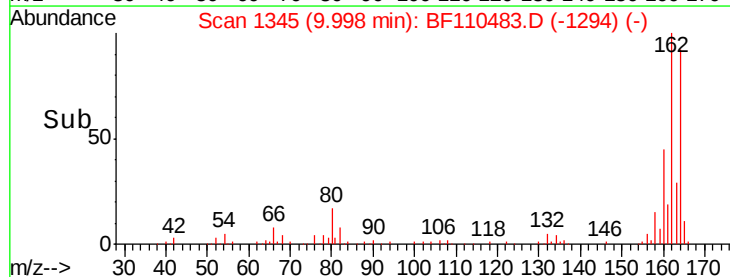
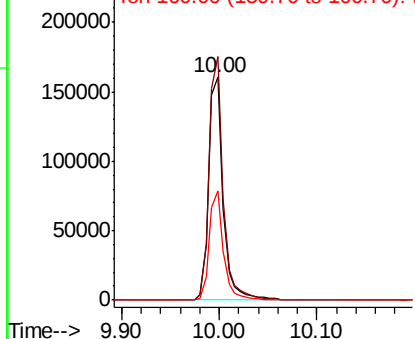


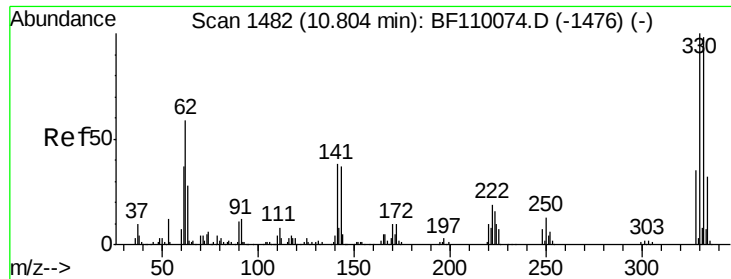
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: BF110483.D
 Acq: 6 Nov 2018 00:25

Tgt Ion: 164 Resp: 166011
 Ion Ratio Lower Upper
 164 100
 162 109.2 83.0 124.6
 160 48.9 37.0 55.6



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

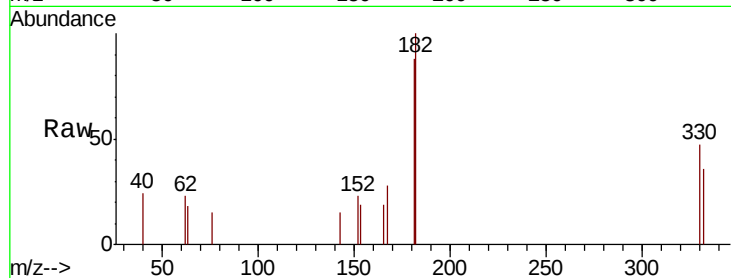




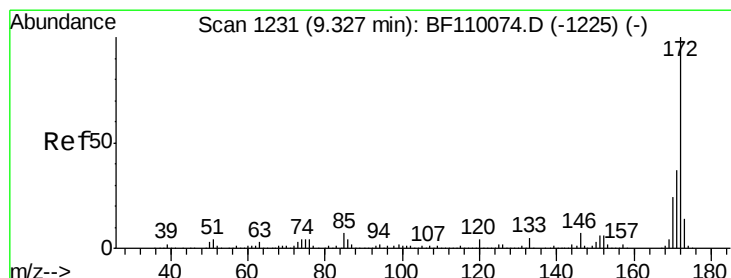
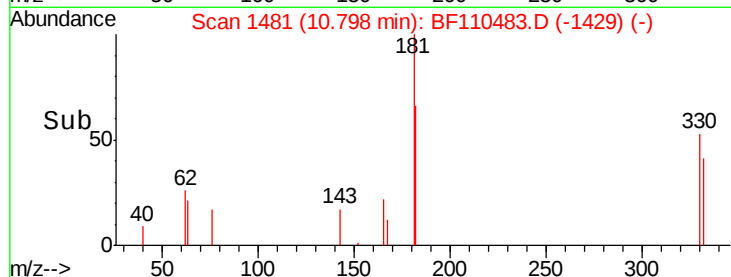
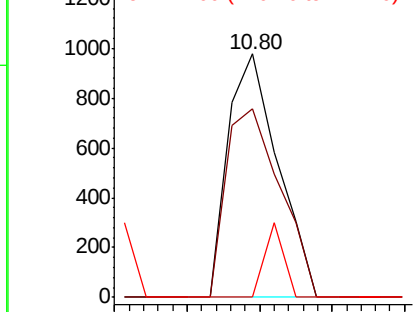
#42
 2,4,6-Tribromophenol
 Concen: 0.568 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: BF110483.D
 Acq: 6 Nov 2018 00:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-6DL

Tgt Ion:330 Resp: 934
 Ion Ratio Lower Upper
 330 100
 332 84.7 77.1 115.7
 141 11.3 27.0 40.4#

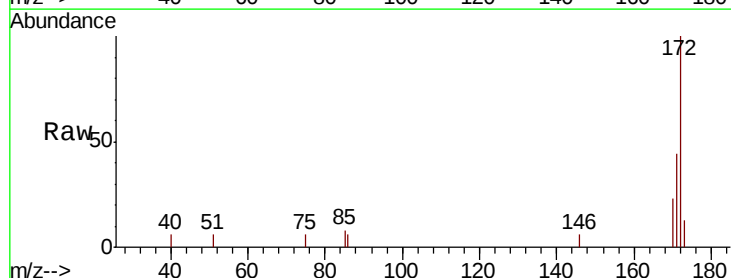


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

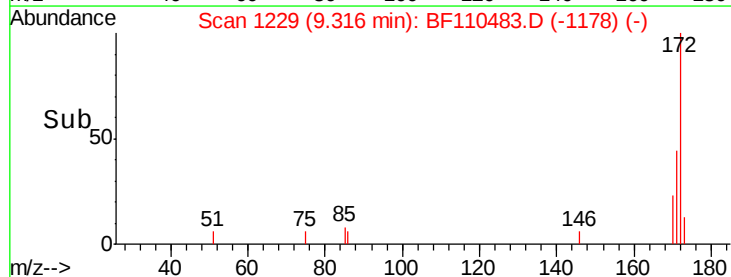
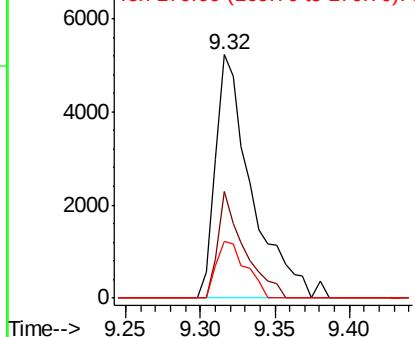


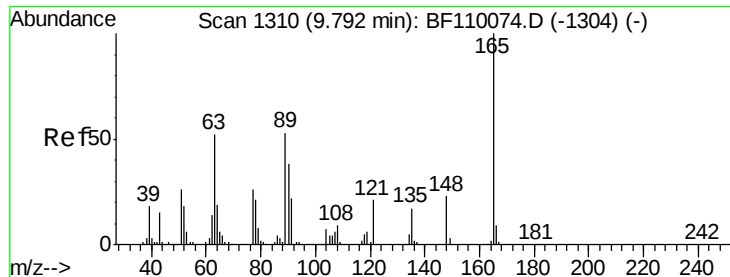
#45
 2-Fluorobiphenyl
 Concen: 0.838 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: BF110483.D
 Acq: 6 Nov 2018 00:25

Tgt Ion:172 Resp: 8859
 Ion Ratio Lower Upper
 172 100
 171 43.7 28.6 43.0#
 170 23.4 19.7 29.5



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

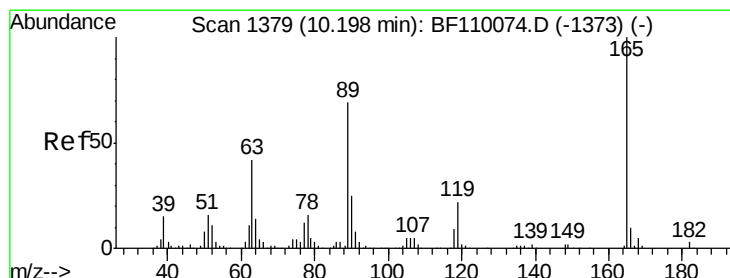
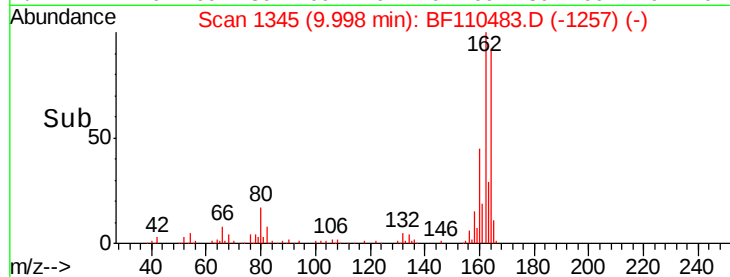
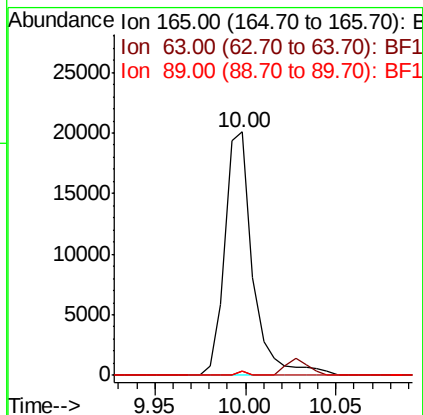
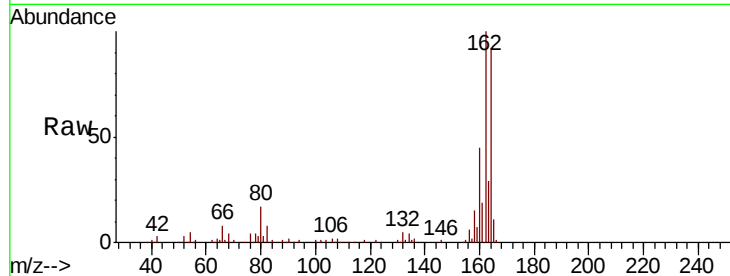




#51
 2,6-Dinitrotoluene
 Concen: 8.192 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.22 min
 Lab File: BF110483.D
 Acq: 6 Nov 2018 00:25

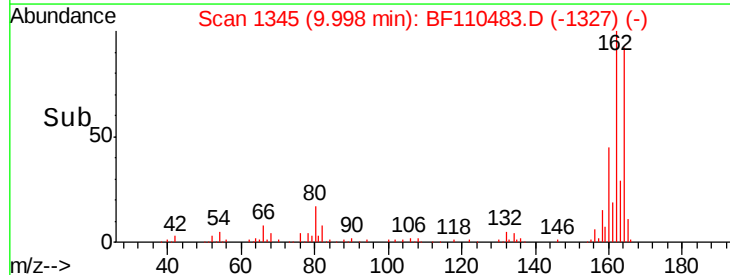
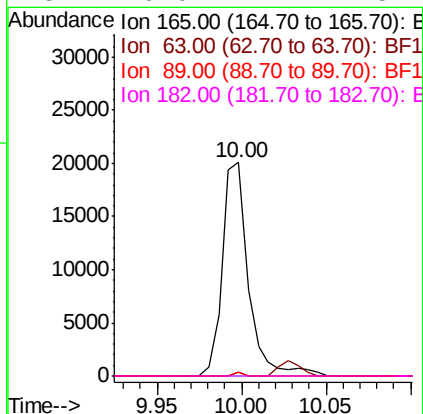
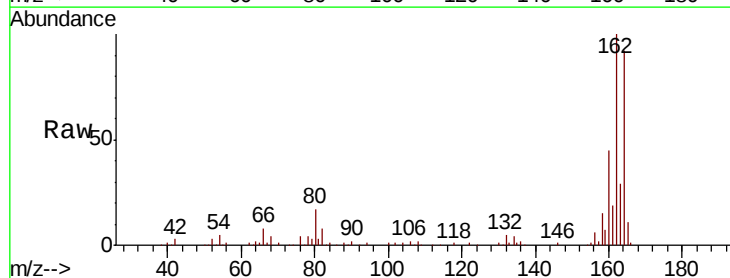
Instrument :
 BNA_F
 ClientSampleId :
 TP-6DL

Tgt Ion:165 Resp: 21624
 Ion Ratio Lower Upper
 165 100
 63 1.9 48.9 73.3#
 89 1.8 46.6 69.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.450 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.19 min
 Lab File: BF110483.D
 Acq: 6 Nov 2018 00:25

Tgt Ion:165 Resp: 21625
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.8 67.2#
 89 1.8 62.2 93.4#
 182 0.0 2.1 3.1#

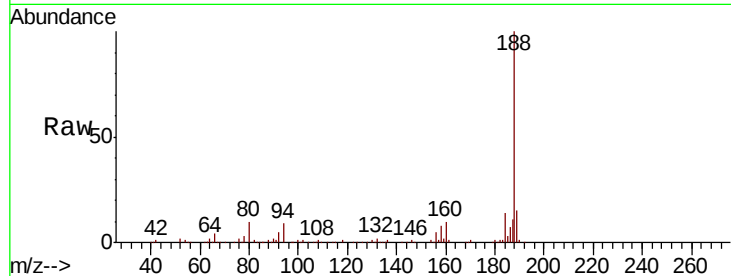




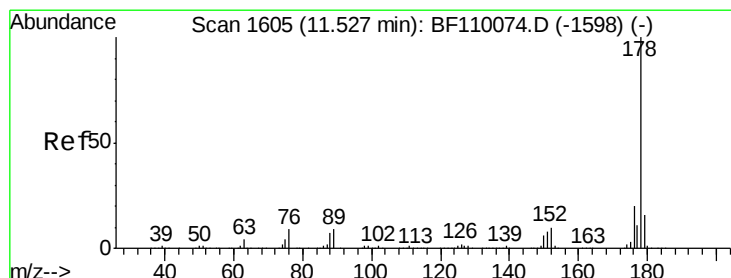
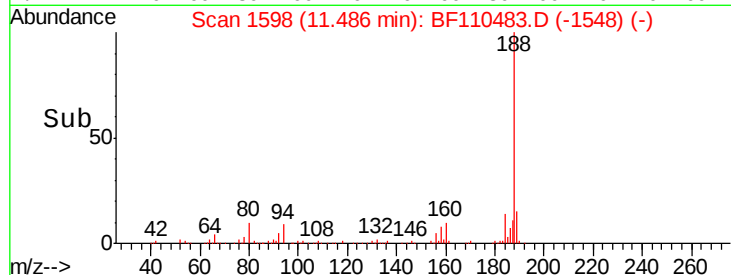
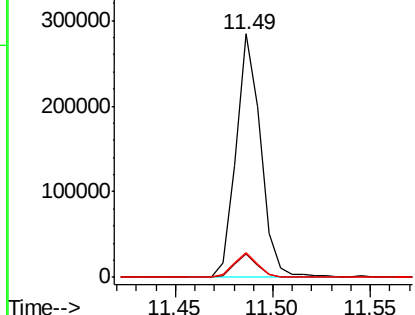
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Instrument :
BNA_F
ClientSampleId :
TP-6DL

Tgt Ion:188 Resp: 249190
Ion Ratio Lower Upper
188 100
94 9.4 7.2 10.8
80 10.0 7.9 11.9

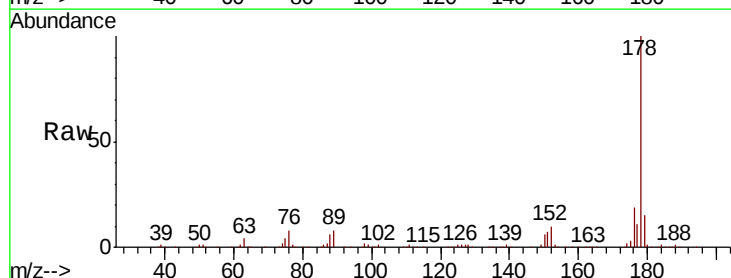


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

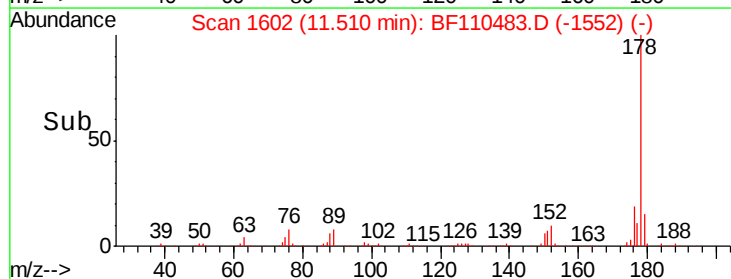
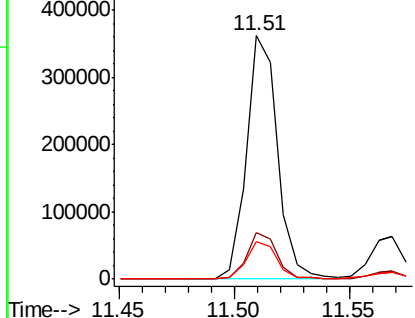


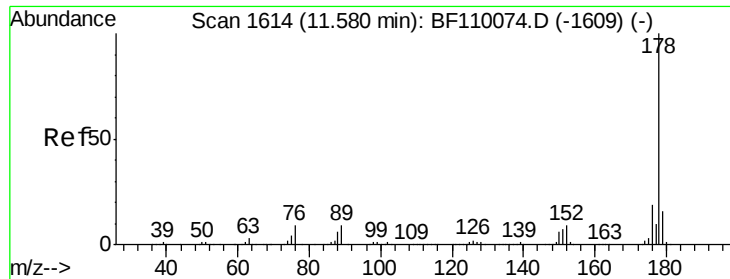
#71
Phenanthrene
Concen: 26.194 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Tgt Ion:178 Resp: 341542
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.2 12.5 18.7



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





#72

Anthracene

Concen: 5.381 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

Instrument :

BNA_F

ClientSampleId :

TP-6DL

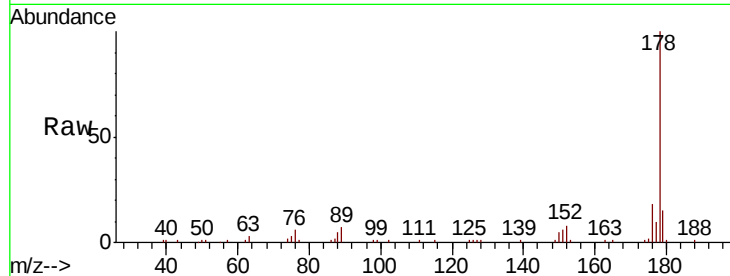
Tgt Ion:178 Resp: 70328

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

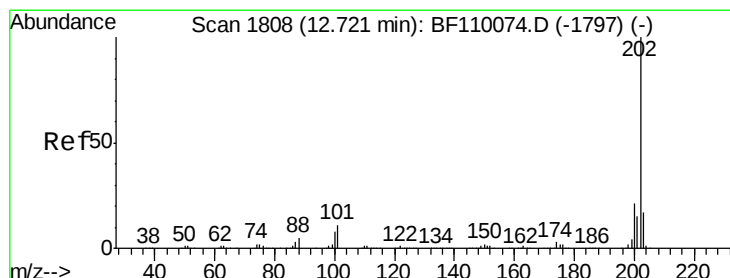
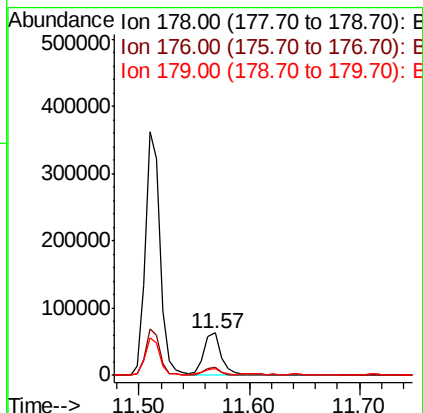
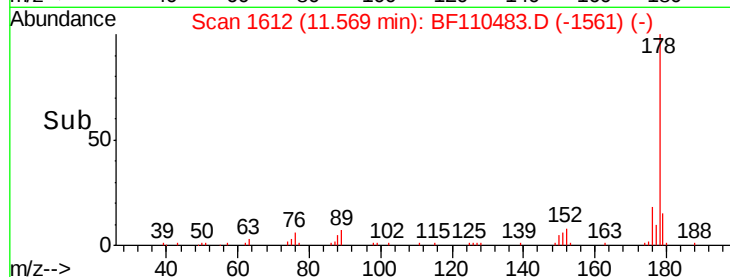
179 14.7 12.6 18.8



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



#75

Fluoranthene

Concen: 27.361 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

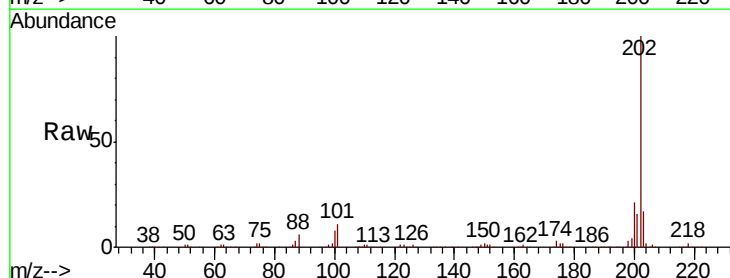
Tgt Ion:202 Resp: 362063

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.4

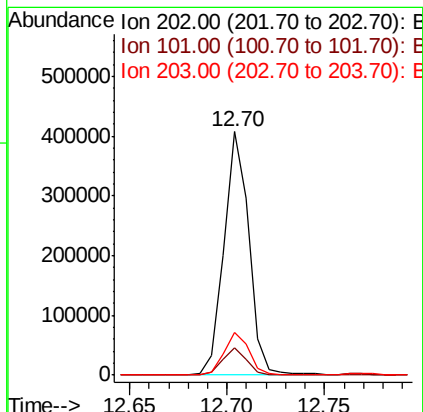
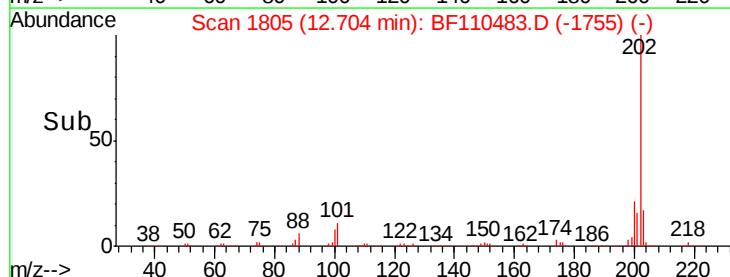
203 17.4 0.0 37.7

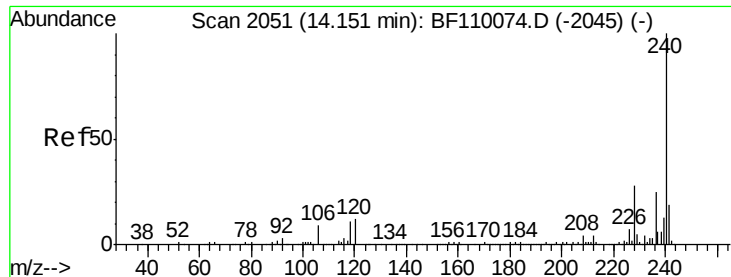


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

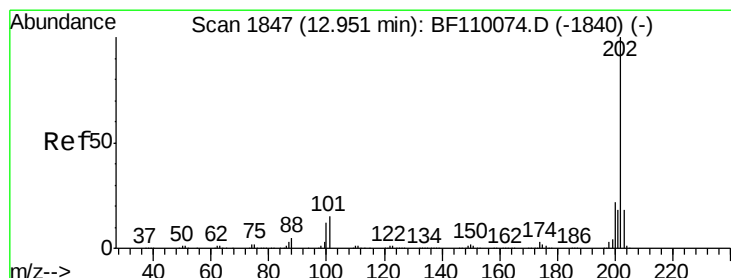
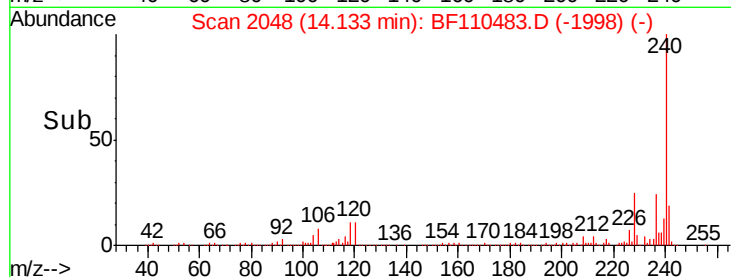
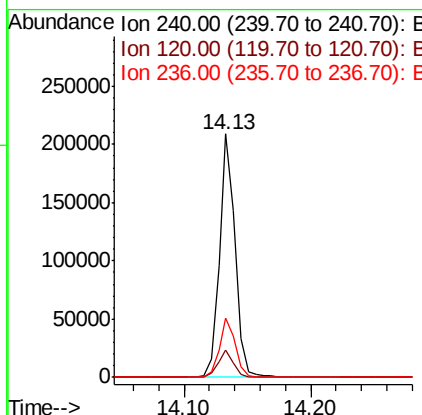
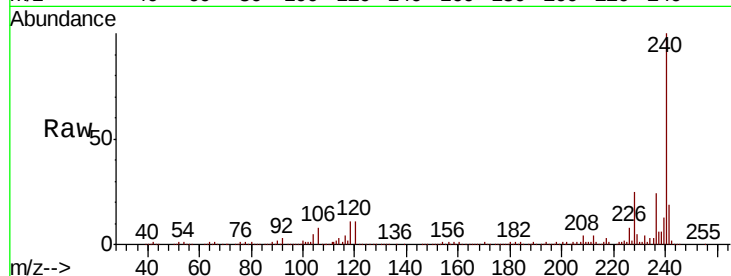




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

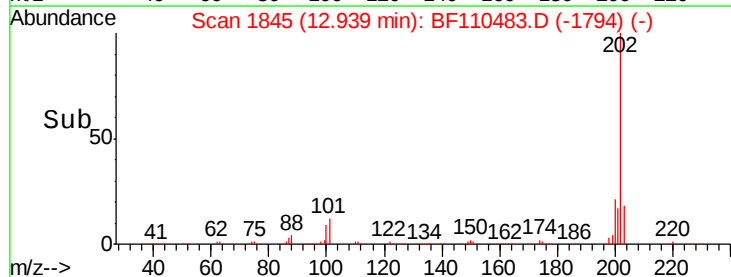
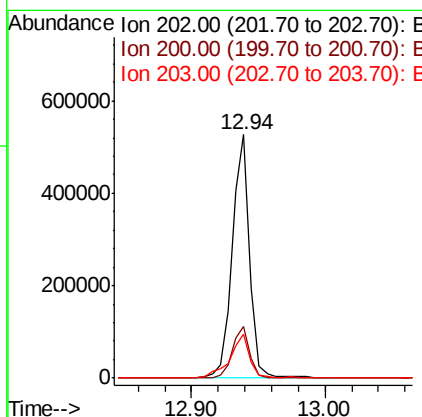
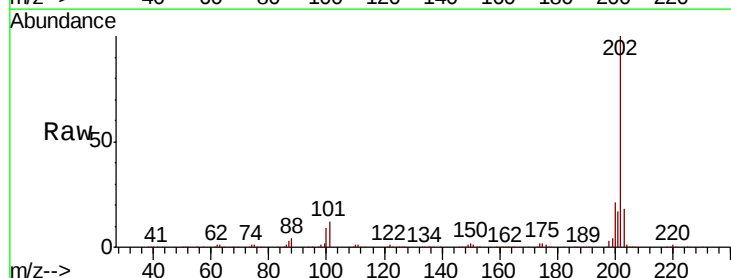
Instrument :
BNA_F
ClientSampled :
TP-6DL

Tgt Ion:240 Resp: 180660
Ion Ratio Lower Upper
240 100
120 11.4 8.3 12.5
236 24.4 21.2 31.8



#78
Pyrene
Concen: 37.062 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Tgt Ion:202 Resp: 480024
Ion Ratio Lower Upper
202 100
200 21.2 17.8 26.6
203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 0.699 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

Instrument :

BNA_F

ClientSampleId :

TP-6DL

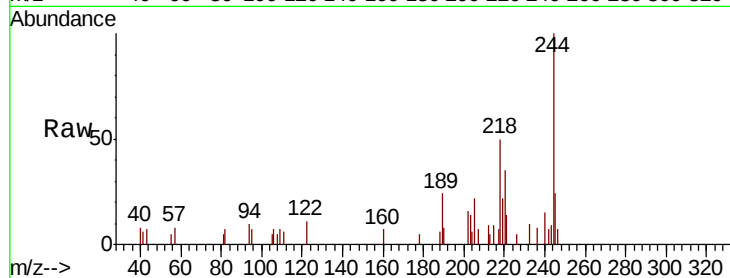
Tgt Ion:244 Resp: 6073

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

122 11.0 8.7 13.1

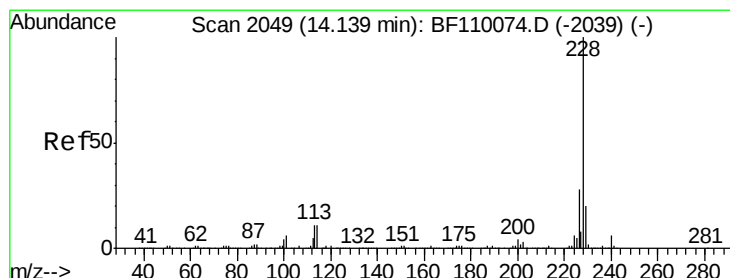
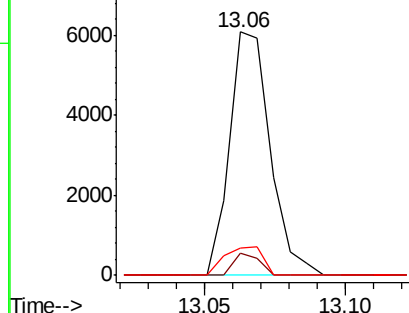
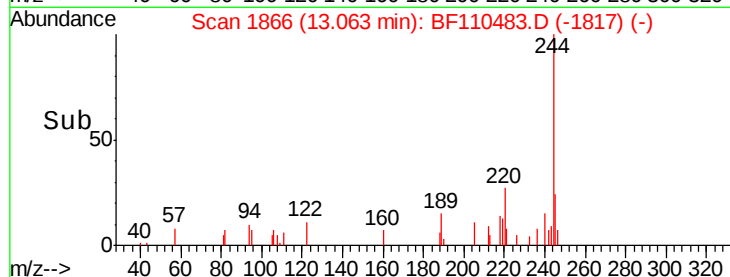


Abundance

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



#81

Benzo(a)anthracene

Concen: 16.373 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

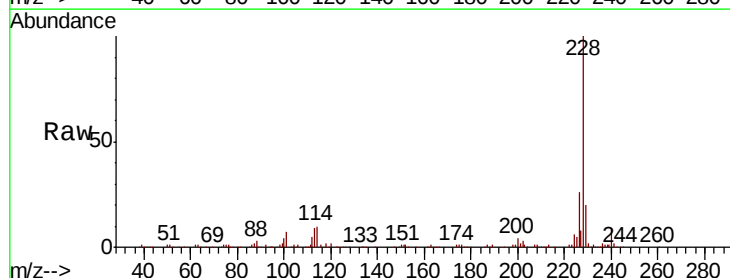
Tgt Ion:228 Resp: 175417

Ion Ratio Lower Upper

228 100

226 26.5 22.1 33.1

229 19.8 15.6 23.4

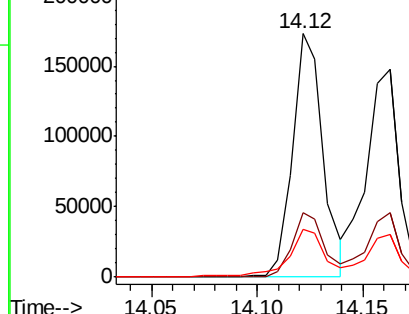
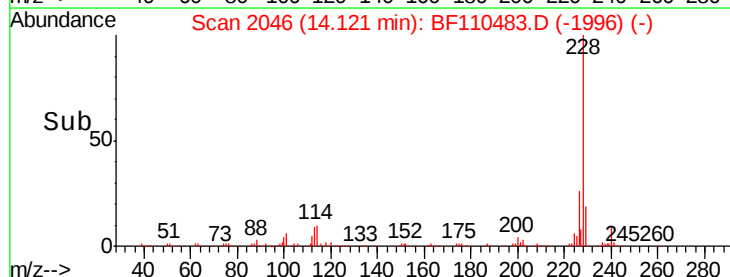


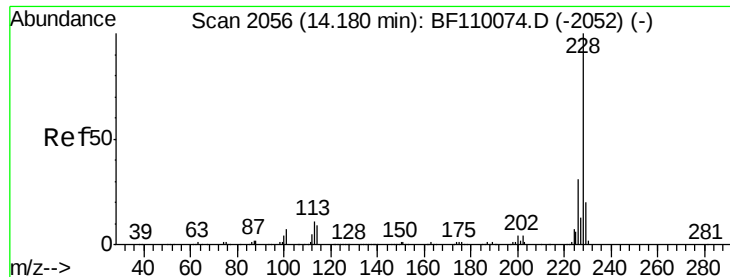
Abundance

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





#83

Chrysene

Concen: 15.875 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

Instrument :

BNA_F

ClientSampleId :

TP-6DL

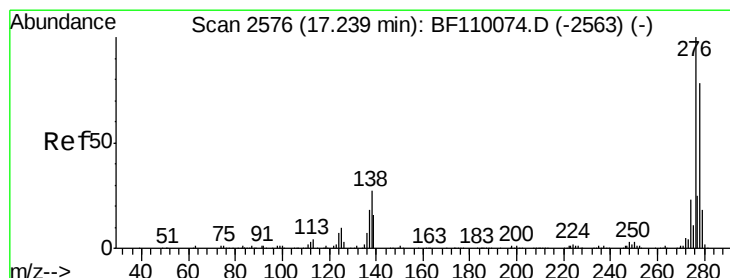
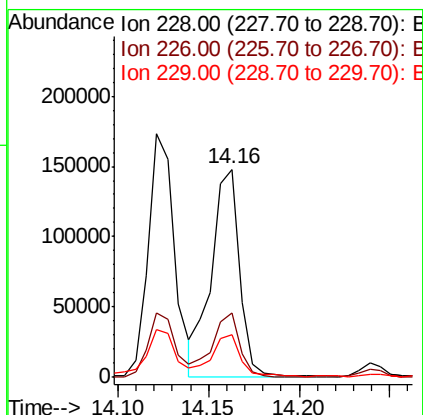
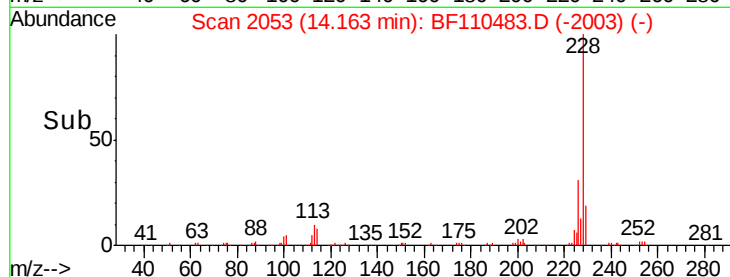
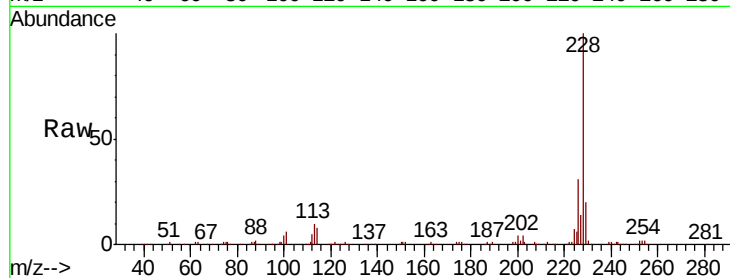
Tgt Ion:228 Resp: 161542

Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

229 20.4 15.9 23.9



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.942 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

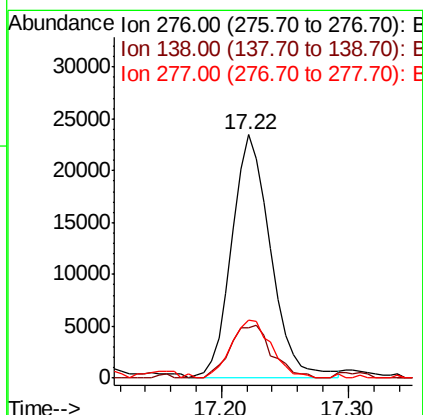
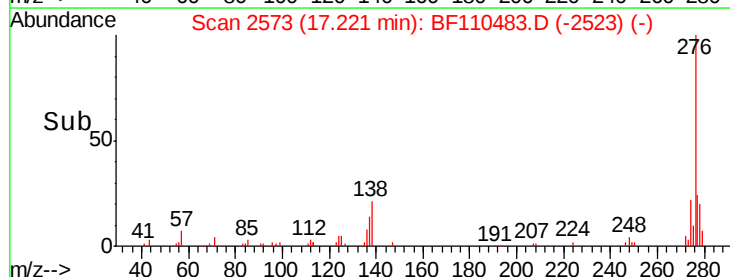
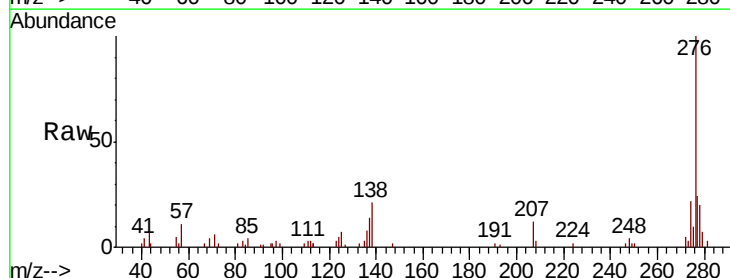
Tgt Ion:276 Resp: 50162

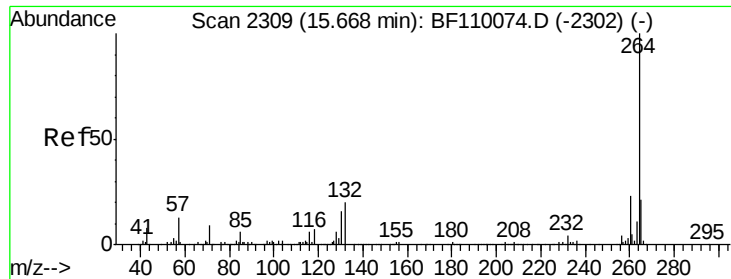
Ion Ratio Lower Upper

276 100

138 23.4 18.5 27.7

277 24.7 20.0 30.0

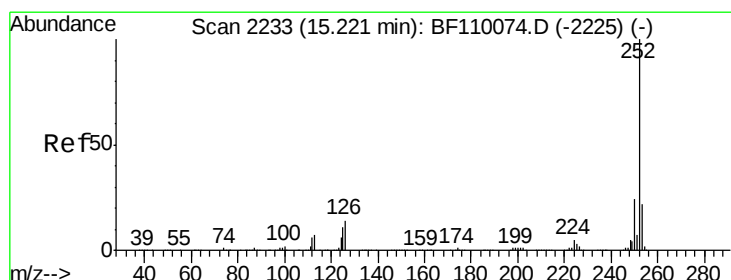
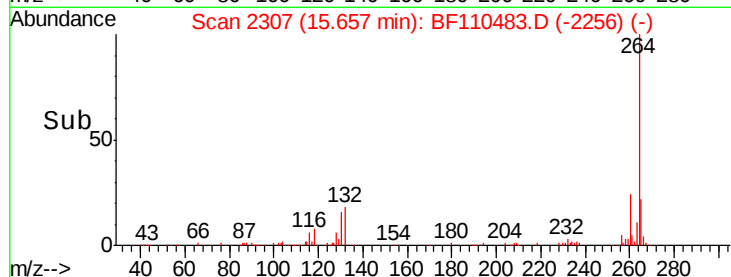
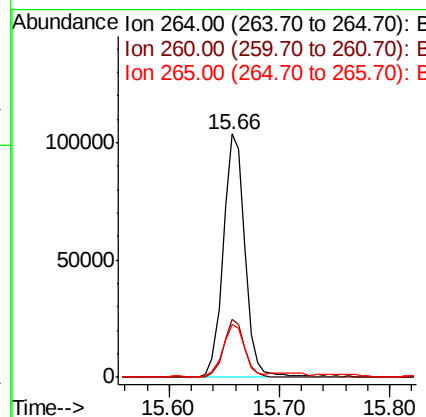
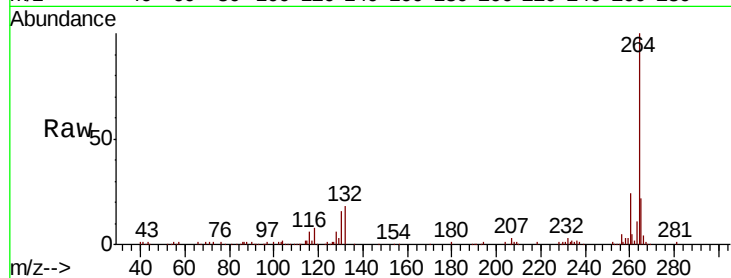




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

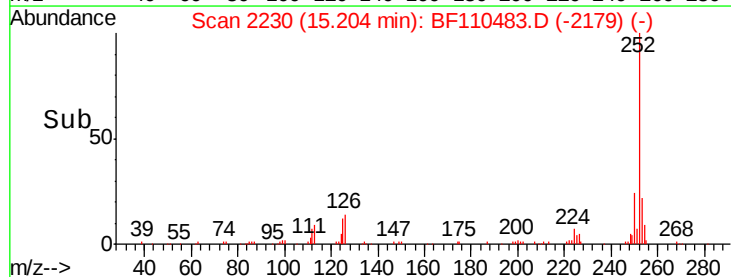
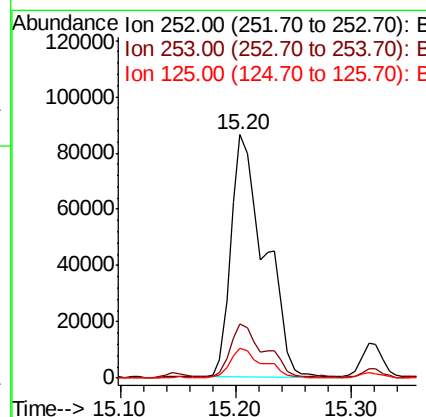
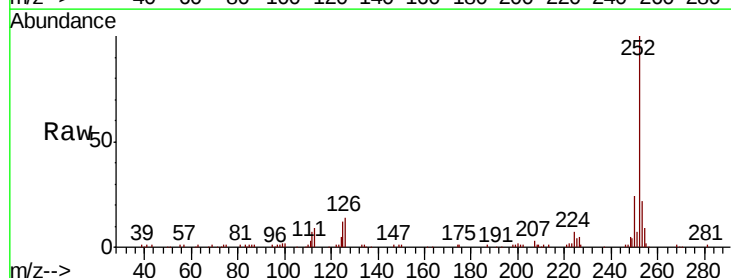
Instrument :
BNA_F
ClientSampled :
TP-6DL

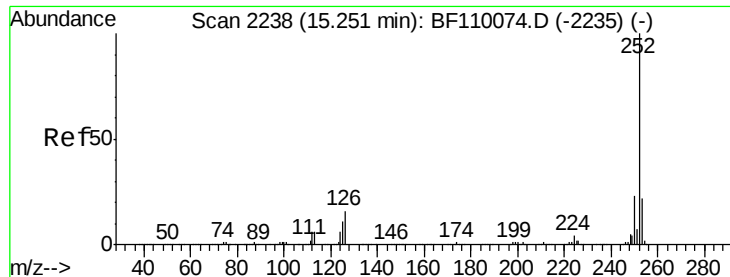
Tgt Ion:264 Resp: 142539
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 21.7 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 21.367 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Tgt Ion:252 Resp: 175872
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 12.1 8.2 12.4

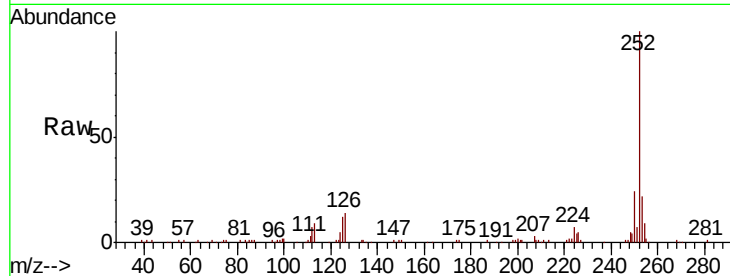




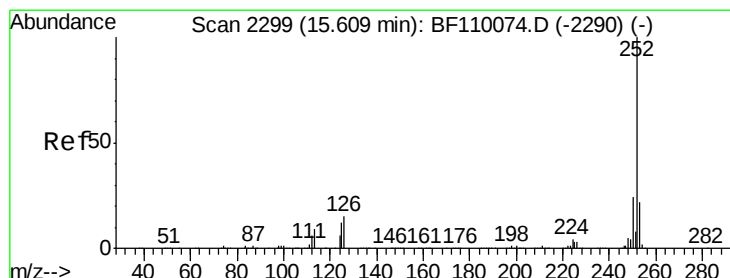
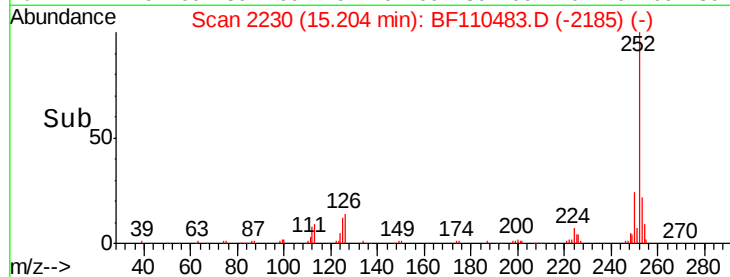
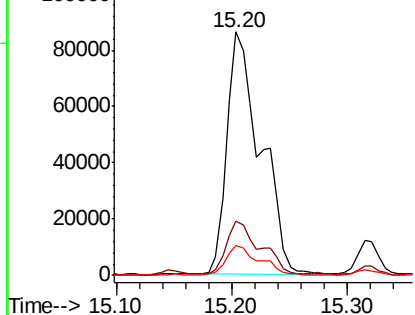
#89
Benzo(k)fluoranthene
Concen: 21.734 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Instrument :
BNA_F
ClientSampled :
TP-6DL

Tgt Ion:252 Resp: 175872
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 12.1 7.4 11.0#

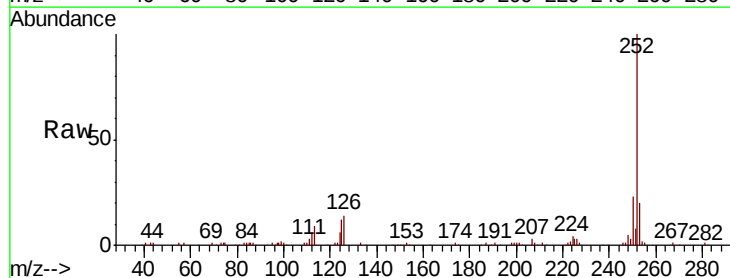


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

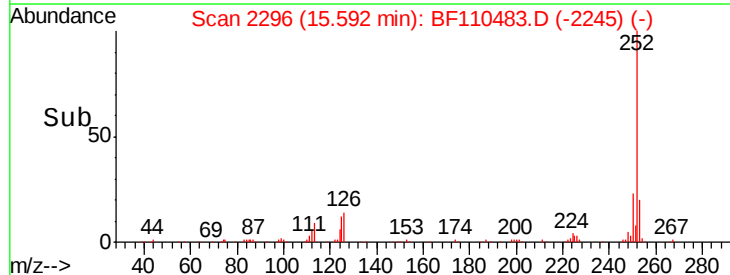
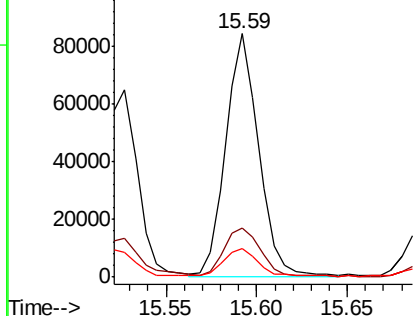


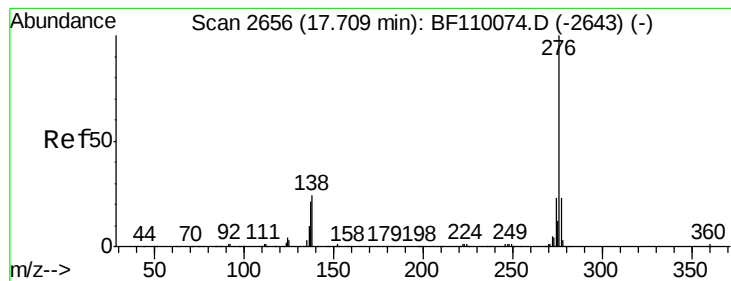
#90
Benzo(a)pyrene
Concen: 14.199 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF110483.D
Acq: 6 Nov 2018 00:25

Tgt Ion:252 Resp: 107545
Ion Ratio Lower Upper
252 100
253 20.2 18.2 27.4
125 11.7 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 8.344 ng

RT: 17.70 min Scan# 2655

Delta R.T. 0.00 min

Lab File: BF110483.D

Acq: 6 Nov 2018 00:25

Instrument :

BNA_F

ClientSampleId :

TP-6DL

Tgt Ion: 276 Resp: 53735

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 22.7 16.0 24.0

