

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
 Data File : BF078685.D
 Acq On : 21 Apr 2015 15:57
 Operator : TP/IZ
 Sample : G1943-08DL 50X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-C-2DL

Quant Time: Apr 22 02:25:01 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 00:52:13 2015
 Response via : Initial Calibration

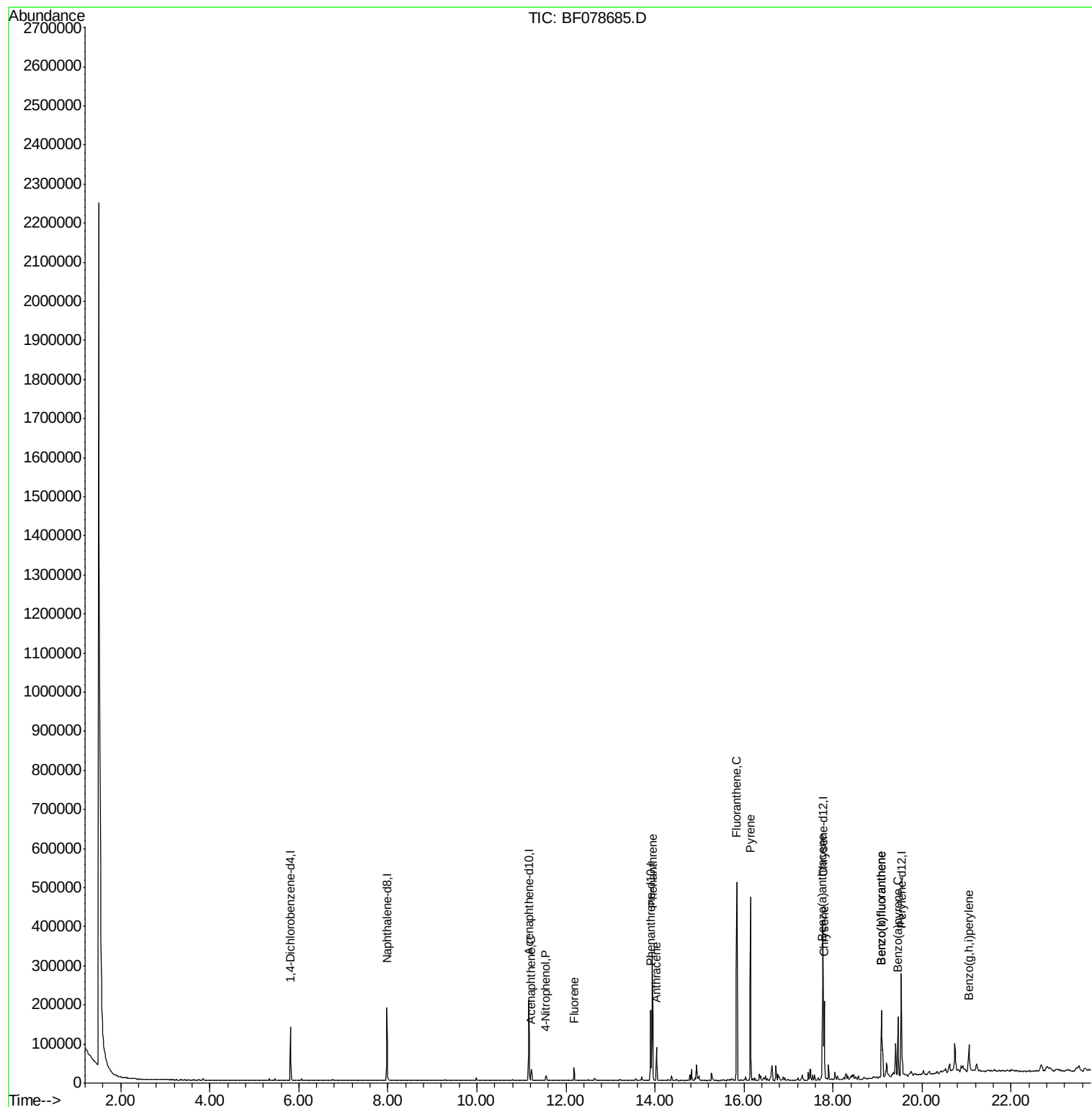
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	27767	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	116072	20.00	ng	-0.01
38) Acenaphthene-d10	11.17	164	61141	20.00	ng	-0.01
63) Phenanthrene-d10	13.91	188	122272	20.00	ng	0.00
75) Chrysene-d12	17.77	240	130758	20.00	ng	-0.01
86) Perylene-d12	19.53	264	133422	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	3.85	112	2031	1.21	ng	0.02
7) Phenol-d6	5.34	99	2649	1.26	ng	0.01
23) Nitrobenzene-d5	6.76	82	1637	0.85	ng	0.00
41) 2,4,6-Tribromophenol	12.64	330	641	1.26	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	4267	1.00	ng	-0.01
78) Terphenyl-d14	16.43	244	5319	0.92	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	11.22	154	9511	2.66	ng	98
55) 4-Nitrophenol	11.55	139	3156	6.62	ng	# 18
57) Fluorene	12.18	166	14256	3.22	ng	100
70) Phenanthrene	13.94	178	190688	26.96	ng	99
71) Anthracene	14.03	178	53328	7.65	ng	99
74) Fluoranthene	15.84	202	265836	35.64	ng	92
77) Pyrene	16.15	202	214594	26.14	ng	# 94
80) Benzo(a)anthracene	17.76	228	100758	12.95	ng	98
82) Chrysene	17.81	228	81271	11.12	ng	97
87) Benzo(b)fluoranthene	19.09	252	136821	16.59	ng	# 96
88) Benzo(k)fluoranthene	19.09	252	135261	18.46	ng	# 97
89) Benzo(a)pyrene	19.46	252	74732	10.38	ng	98
91) Benzo(g,h,i)perylene	21.05	276	43981	6.09	ng	98

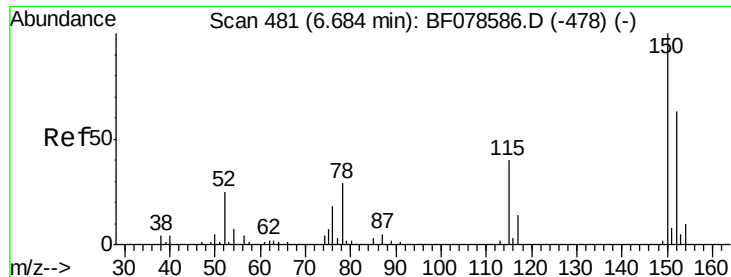
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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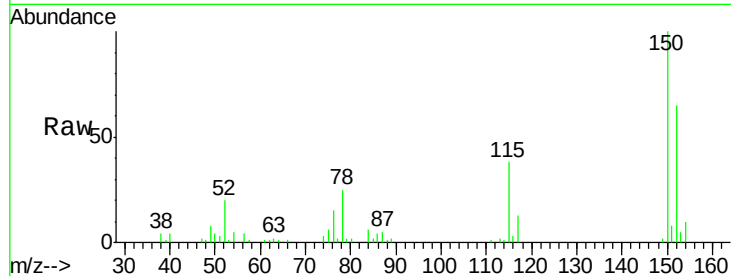


#1

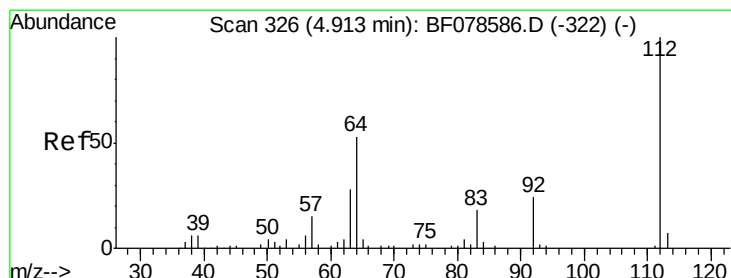
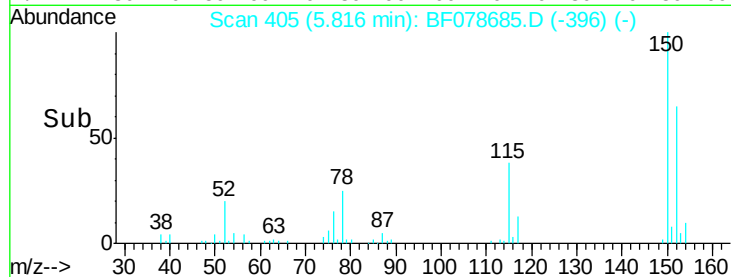
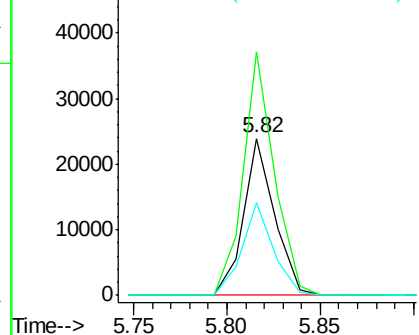
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 405
Delta R.T. 0.00 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

Tgt Ion:152 Resp: 27767
Ion Ratio Lower Upper
152 100
150 154.9 125.9 188.9
115 58.6 52.7 79.1



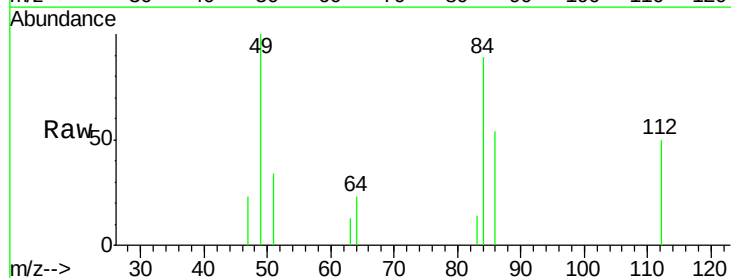
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



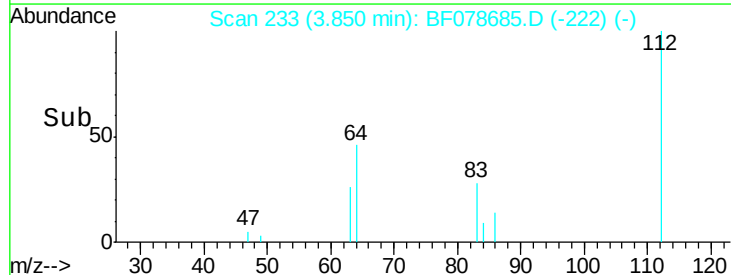
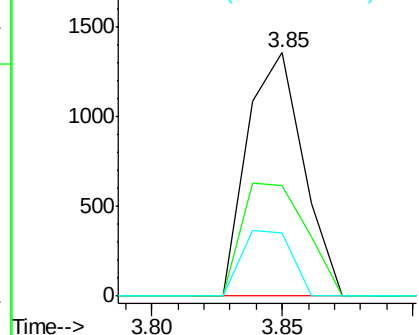
#5

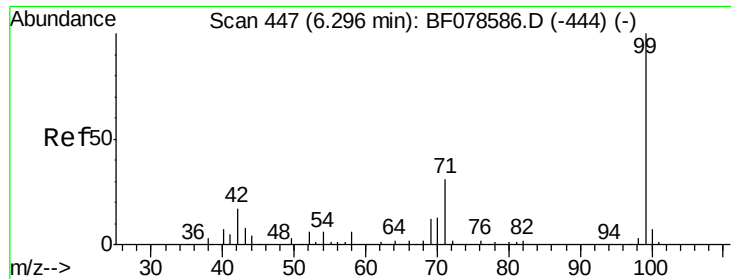
2-Fluorophenol
Concen: 1.21 ng
RT: 3.85 min Scan# 233
Delta R.T. 0.02 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:112 Resp: 2031
Ion Ratio Lower Upper
112 100
64 45.6 39.9 59.9
63 26.1 20.2 30.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.26 ng

RT: 5.34 min Scan# 363

Delta R.T. 0.01 min

Lab File: BF078685.D

Acq: 21 Apr 2015 15:57

Instrument :

BNA_F

ClientSampleId :

SP-C-2DL

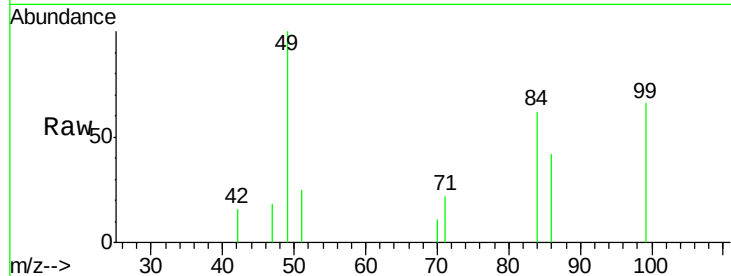
Tgt Ion: 99 Resp: 2649

Ion Ratio Lower Upper

99 100

42 24.5 14.8 22.2#

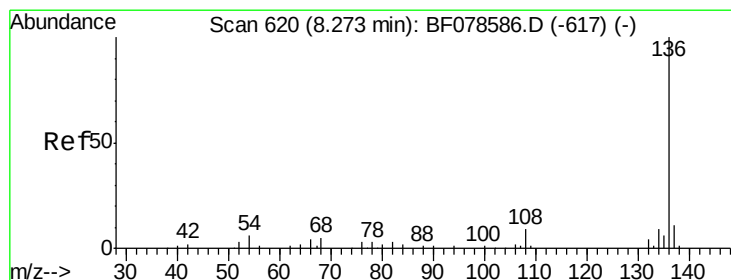
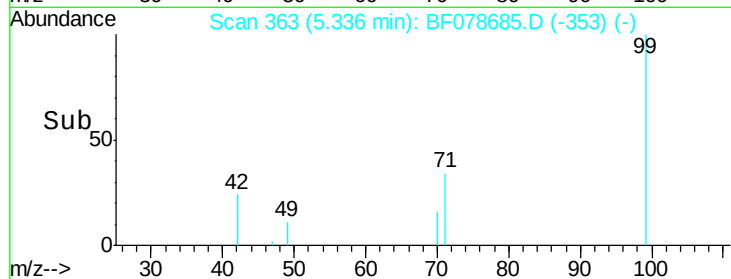
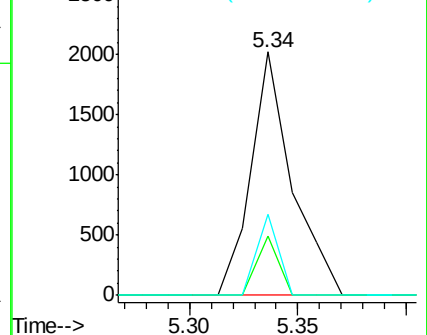
71 33.5 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF078685.D

Acq: 21 Apr 2015 15:57

Tgt Ion: 136 Resp: 116072

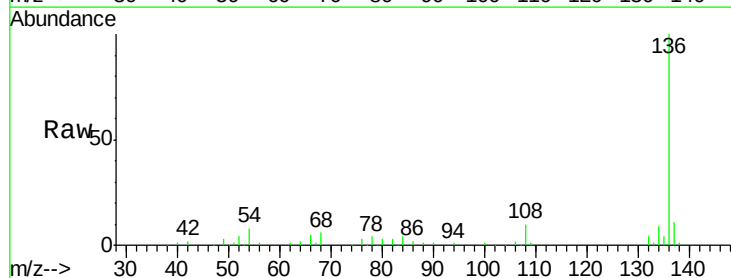
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 7.9 7.0 10.6

68 6.0 5.4 8.2

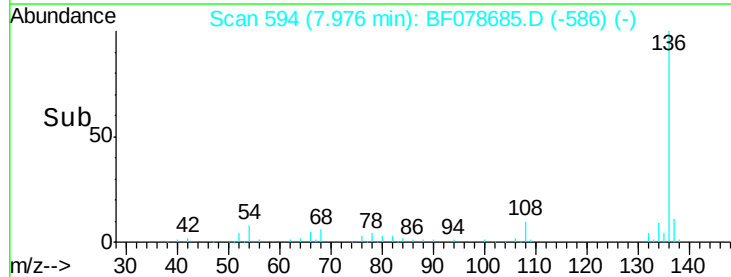
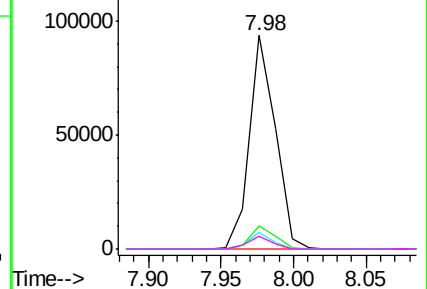


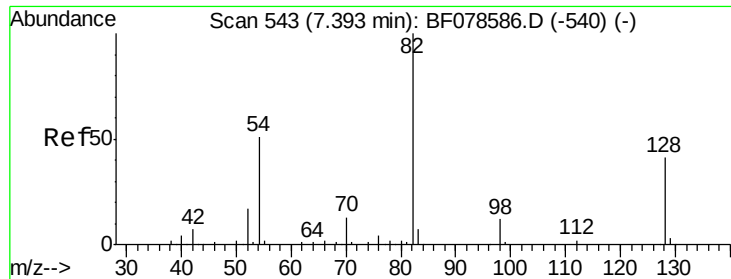
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 0.85 ng

RT: 6.76 min Scan# 488

Delta R.T. 0.00 min

Lab File: BF078685.D

Acq: 21 Apr 2015 15:57

Instrument :

BNA_F

ClientSampleId :

SP-C-2DL

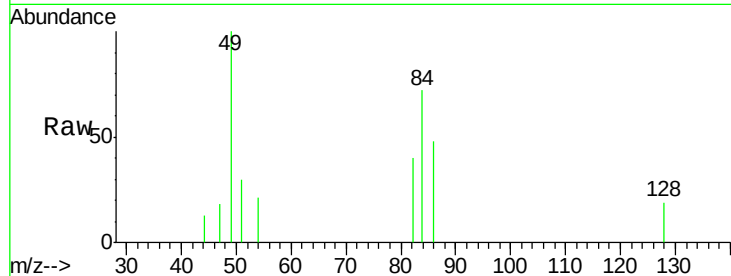
Tgt Ion: 82 Resp: 1637

Ion Ratio Lower Upper

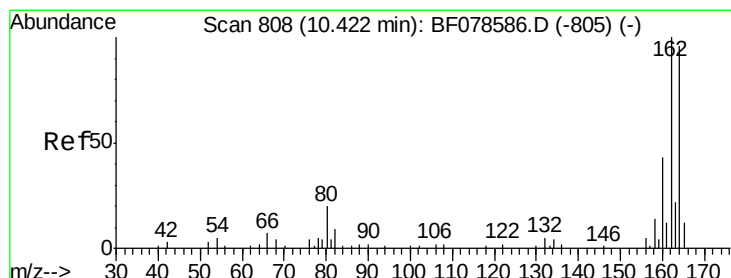
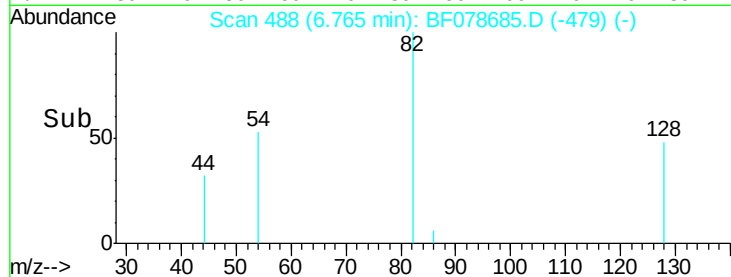
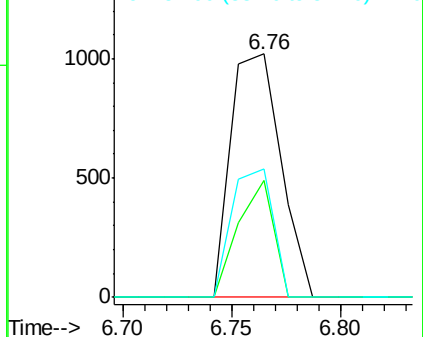
82 100

128 47.9 31.8 47.8#

54 52.8 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.17 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF078685.D

Acq: 21 Apr 2015 15:57

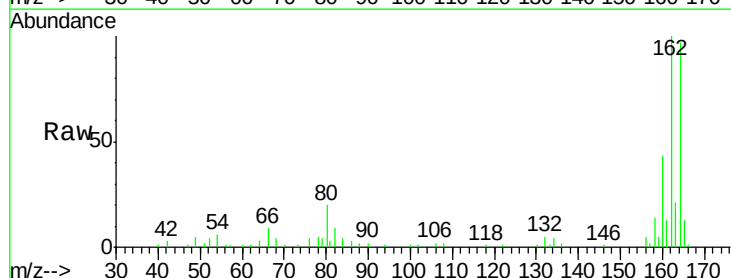
Tgt Ion: 164 Resp: 61141

Ion Ratio Lower Upper

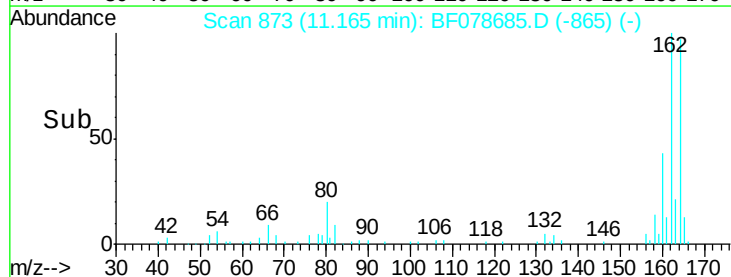
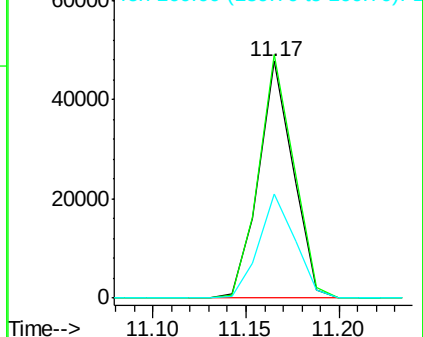
164 100

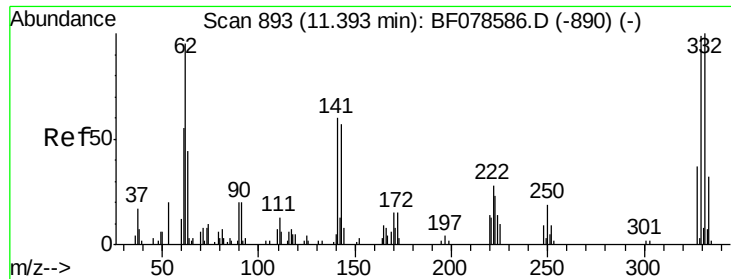
162 102.9 82.2 123.2

160 44.1 34.7 52.1



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

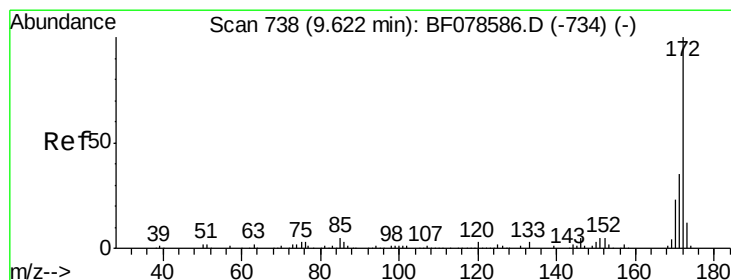
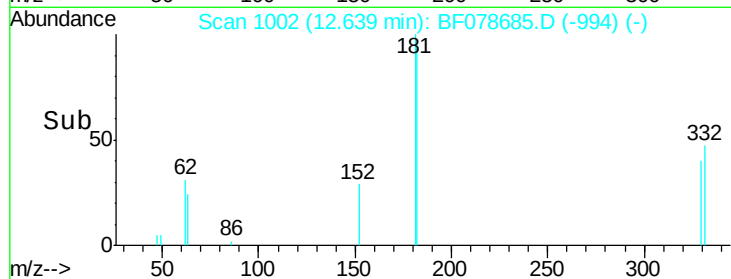
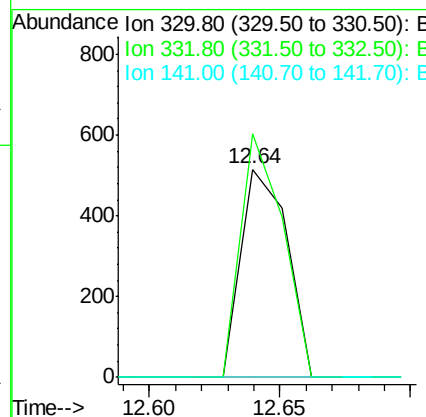
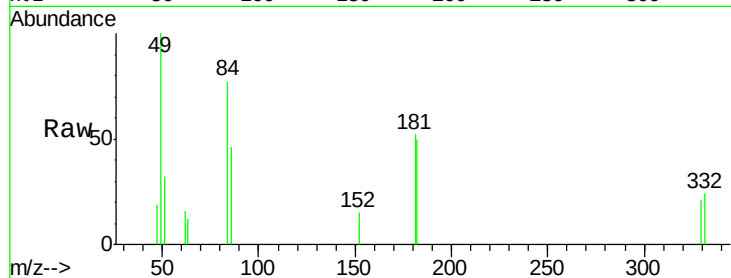




#41
 2,4,6-Tribromophenol
 Concen: 1.26 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF078685.D
 Acq: 21 Apr 2015 15:57

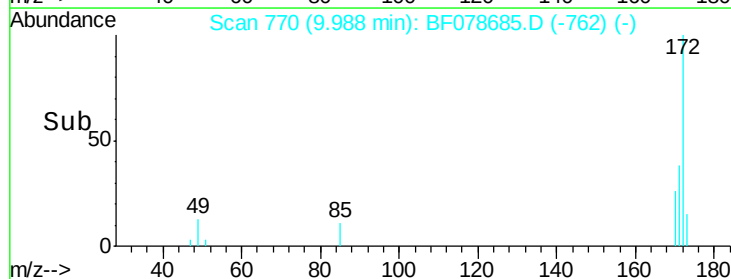
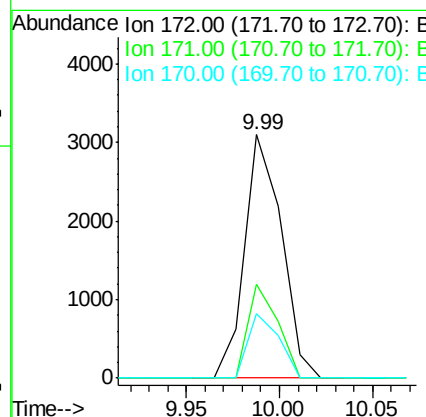
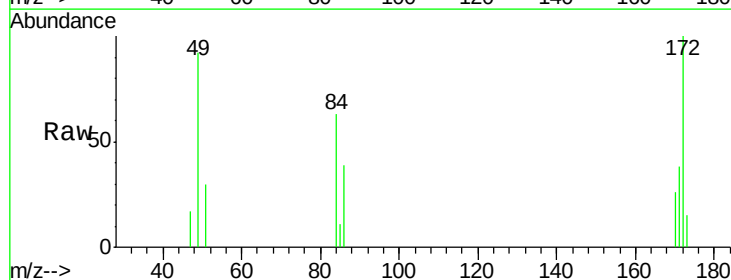
Instrument :
 BNA_F
 ClientSampleId :
 SP-C-2DL

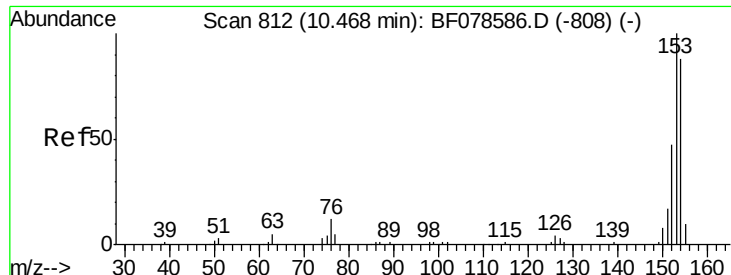
Tgt Ion: 330 Resp: 641
 Ion Ratio Lower Upper
 330 100
 332 106.9 78.6 117.8
 141 0.0 31.2 46.8#



#44
 2-Fluorobiphenyl
 Concen: 1.00 ng
 RT: 9.99 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF078685.D
 Acq: 21 Apr 2015 15:57

Tgt Ion: 172 Resp: 4267
 Ion Ratio Lower Upper
 172 100
 171 38.3 28.6 42.8
 170 26.4 18.5 27.7





#51

Acenaphthene

Concen: 2.66 ng

RT: 11.22 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF078685.D

Acq: 21 Apr 2015 15:57

Instrument :

BNA_F

ClientSampleId :

SP-C-2DL

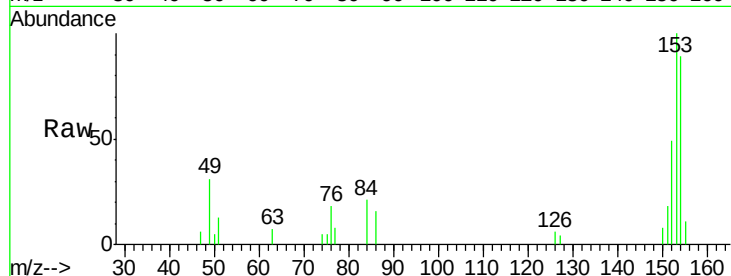
Tgt Ion:154 Resp: 9511

Ion Ratio Lower Upper

154 100

153 112.8 91.4 137.2

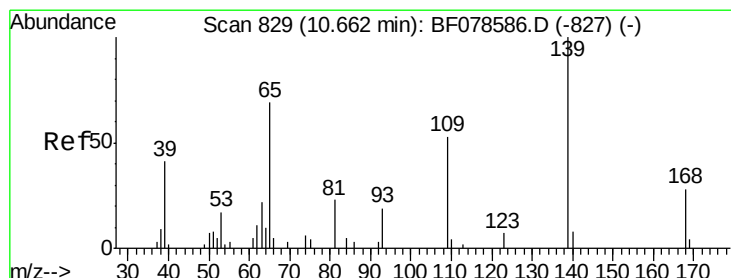
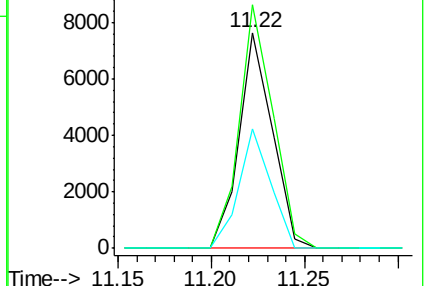
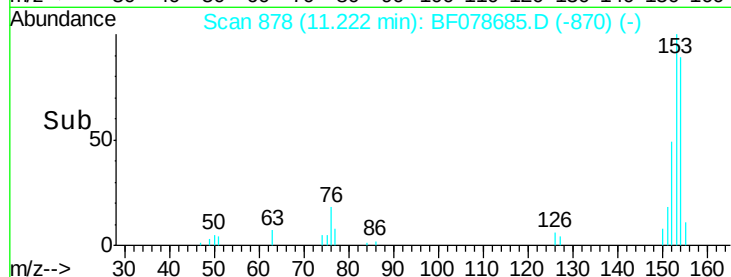
152 55.2 43.0 64.6



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: 6.62 ng

RT: 11.55 min Scan# 907

Delta R.T. -0.06 min

Lab File: BF078685.D

Acq: 21 Apr 2015 15:57

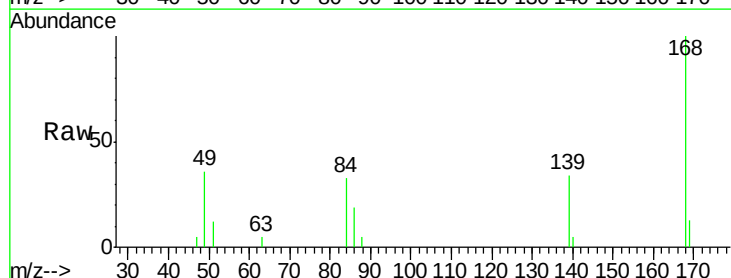
Tgt Ion:139 Resp: 3156

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

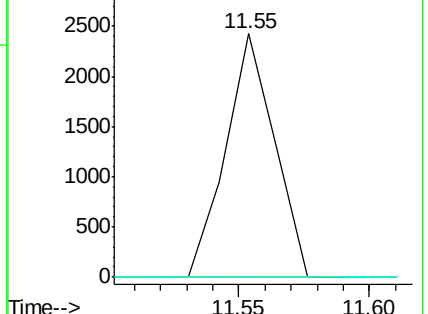
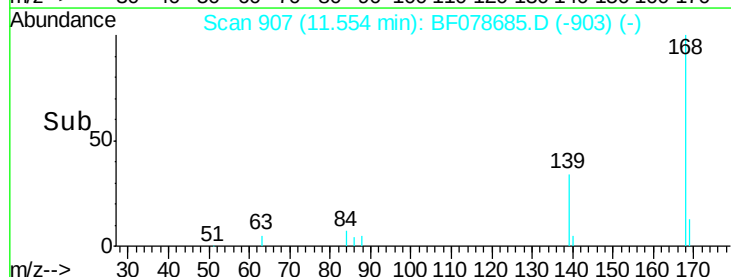
65 0.0 49.9 89.9#

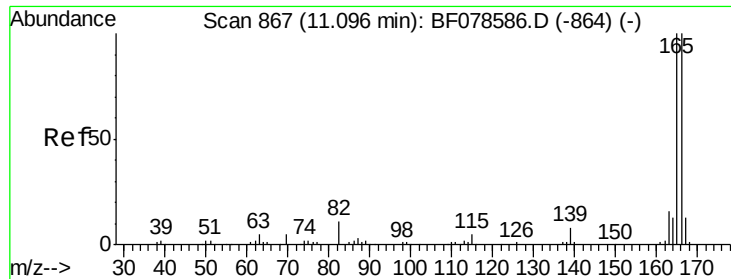


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

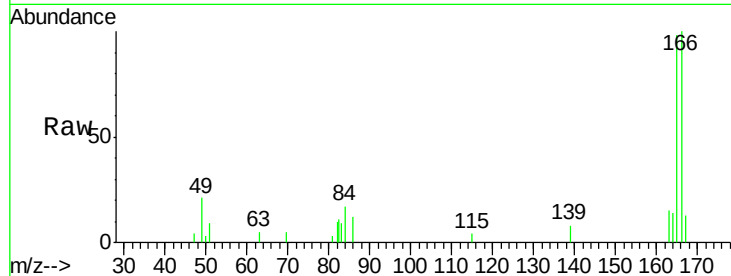




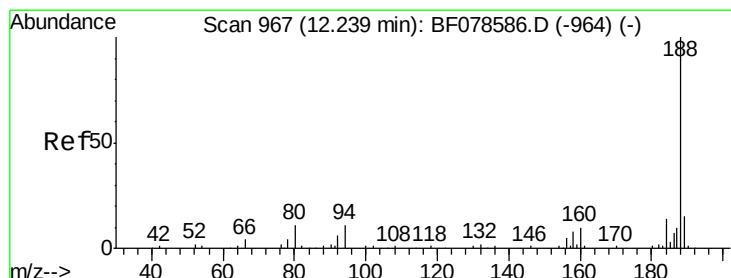
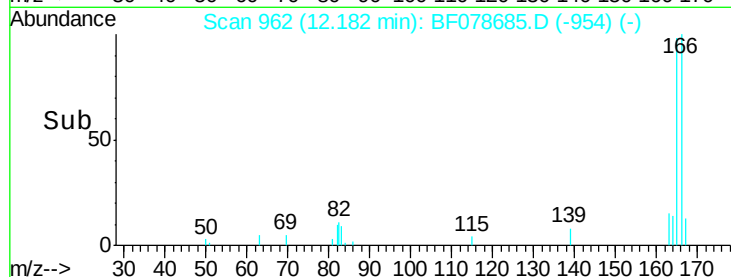
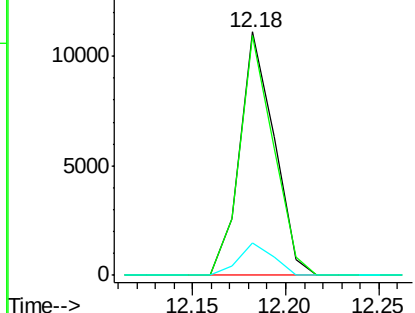
#57
Fluorene
 Concen: 3.22 ng
 RT: 12.18 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: BF078685.D
 Acq: 21 Apr 2015 15:57

Instrument :
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 ClientSampleId :
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Tgt Ion:166 Resp: 14256
 Ion Ratio Lower Upper
 166 100
 165 98.5 78.9 118.3
 167 13.4 10.7 16.1

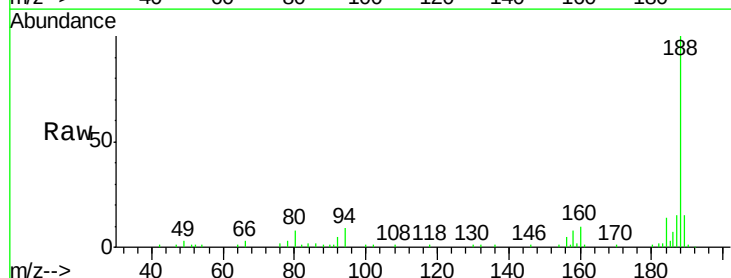


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

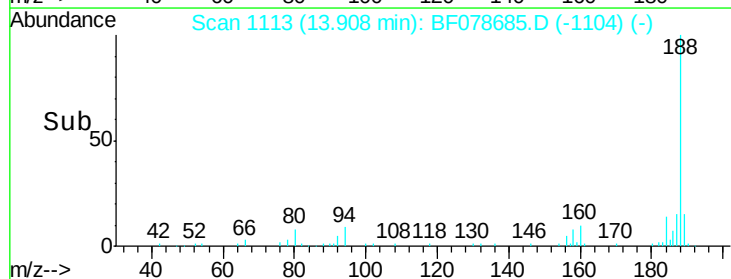
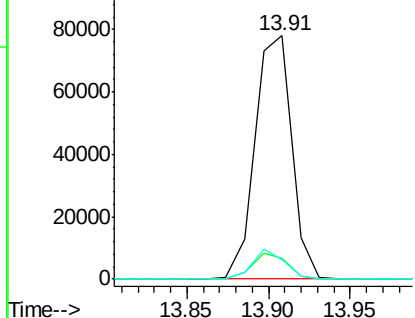


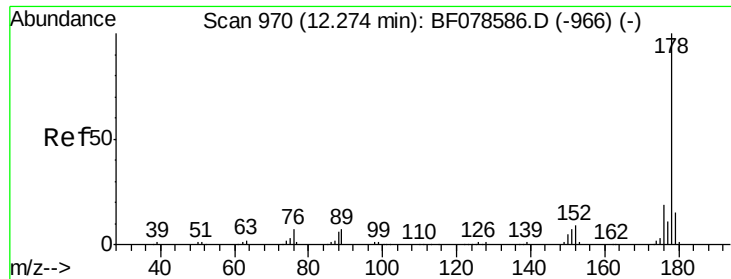
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.91 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: BF078685.D
 Acq: 21 Apr 2015 15:57

Tgt Ion:188 Resp: 122272
 Ion Ratio Lower Upper
 188 100
 94 8.7 9.0 13.4#
 80 7.9 9.5 14.3#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

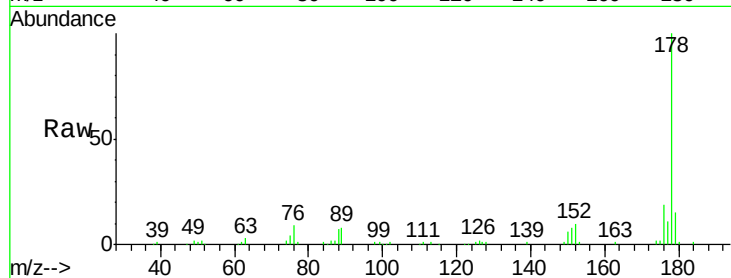




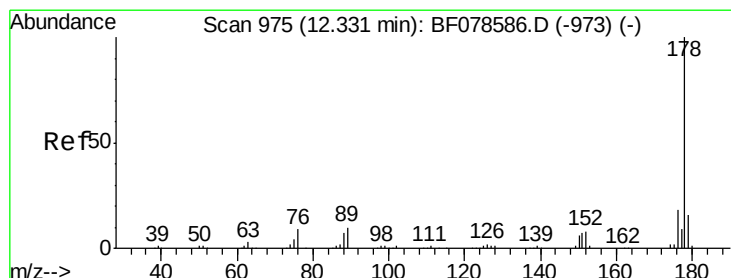
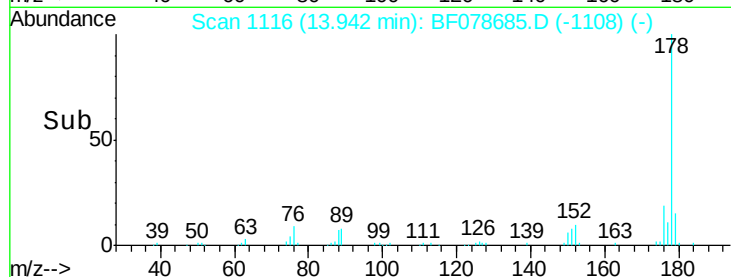
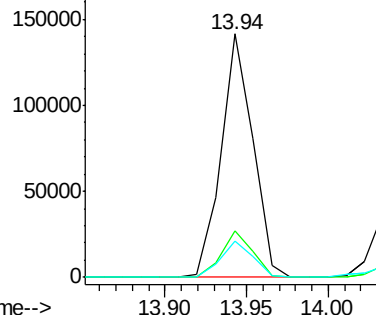
#70
Phenanthrene
Concen: 26.96 ng
RT: 13.94 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

Tgt Ion:178 Resp: 190688
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 14.8 12.2 18.2

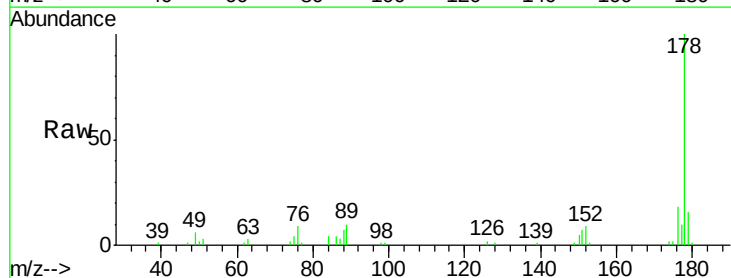


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

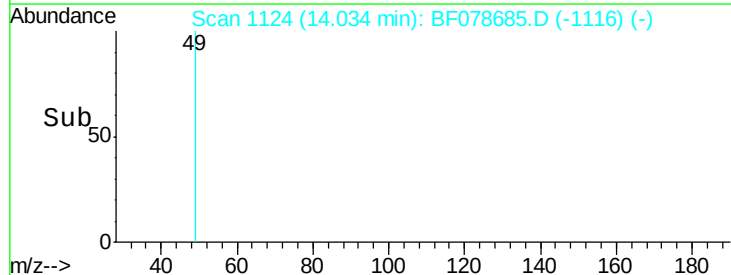
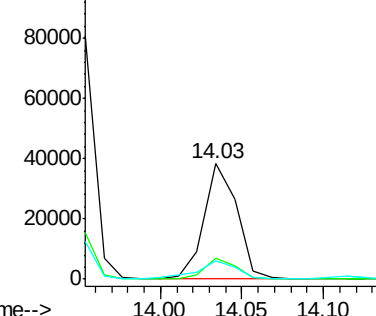


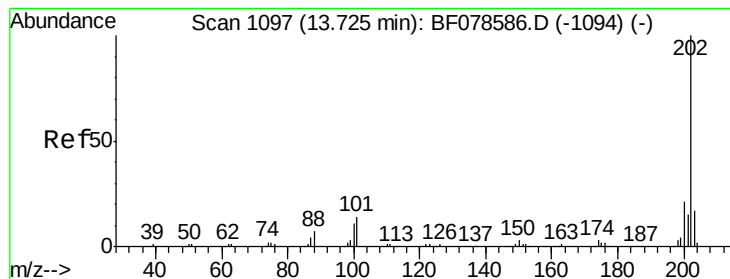
#71
Anthracene
Concen: 7.65 ng
RT: 14.03 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:178 Resp: 53328
Ion Ratio Lower Upper
178 100
176 18.0 14.8 22.2
179 16.2 12.4 18.6



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: 35.64 ng

RT: 15.84 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BF078685.D

Acq: 21 Apr 2015 15:57

Instrument :

BNA_F

ClientSampleId :

SP-C-2DL

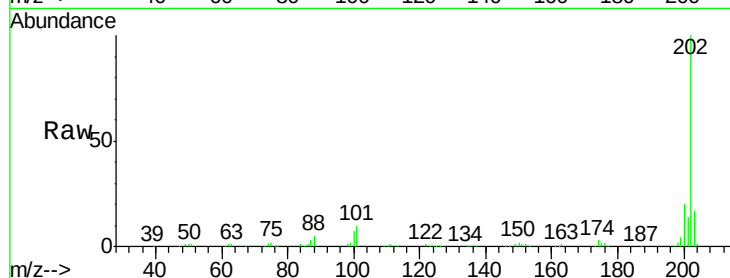
Tgt Ion: 202 Resp: 265836

Ion Ratio Lower Upper

202 100

101 9.6 0.0 35.2

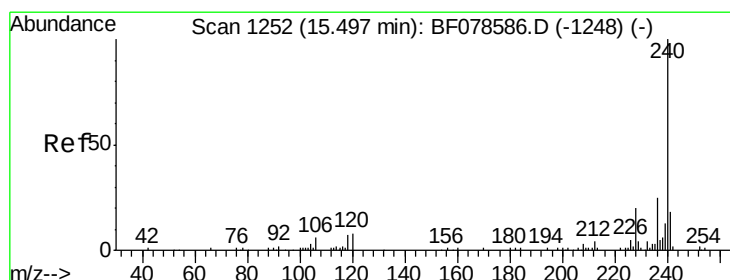
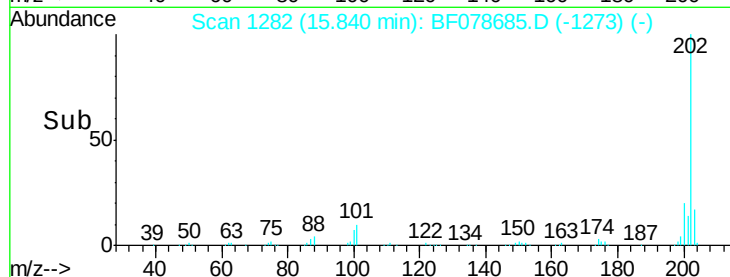
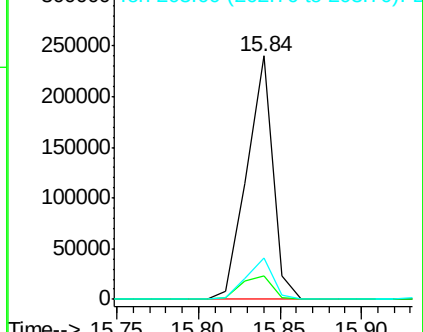
203 16.8 0.0 38.5



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: 17.77 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF078685.D

Acq: 21 Apr 2015 15:57

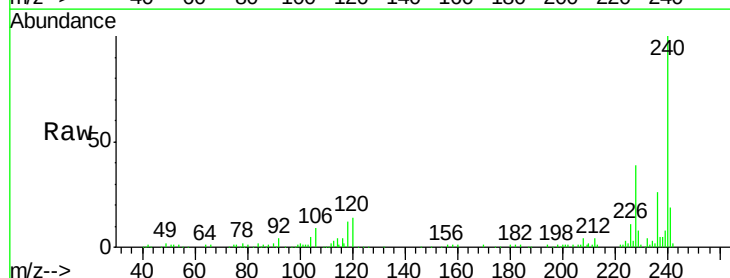
Tgt Ion: 240 Resp: 130758

Ion Ratio Lower Upper

240 100

120 13.6 7.1 10.7#

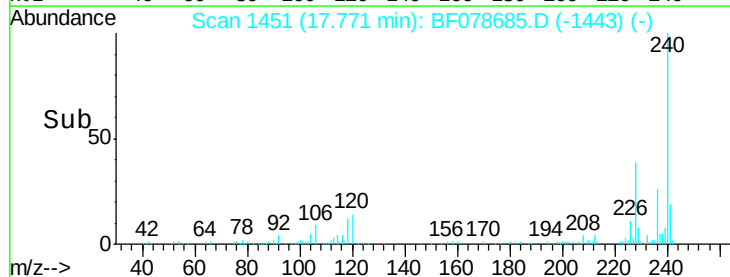
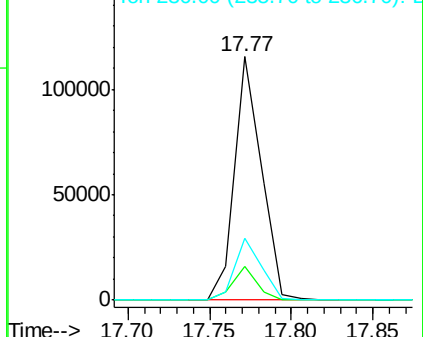
236 25.6 21.4 32.2

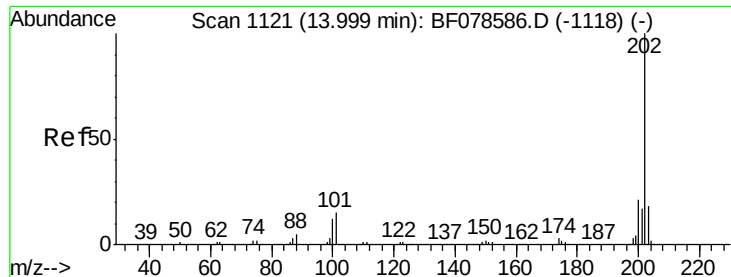


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

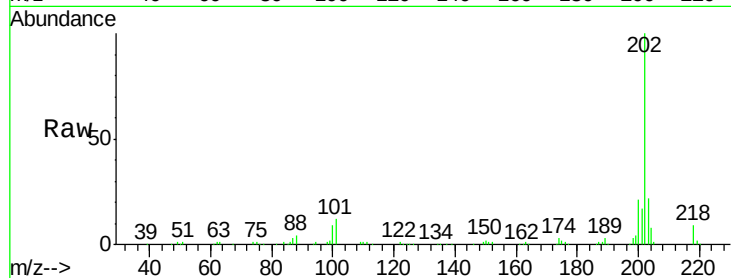




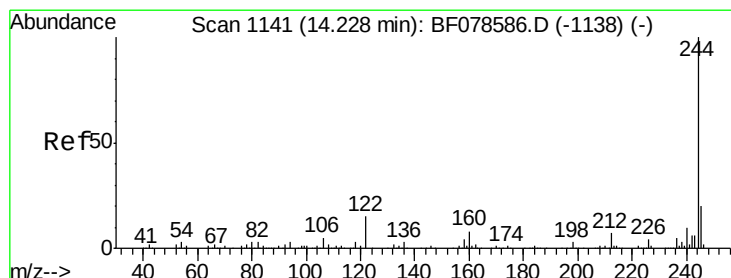
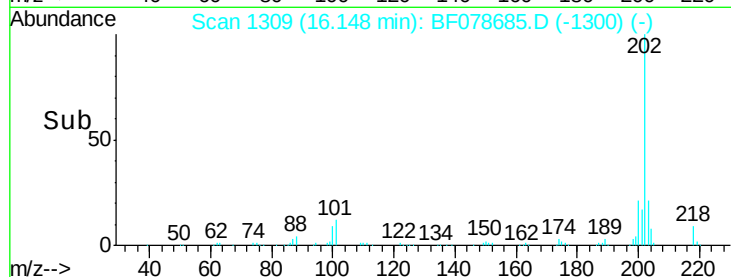
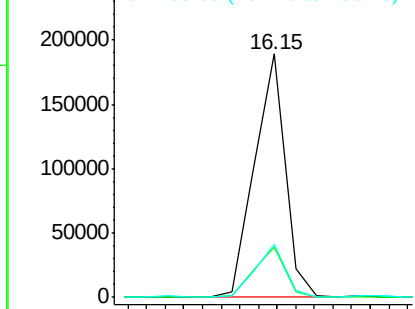
#77
 Pyrene
 Concen: 26.14 ng
 RT: 16.15 min Scan# 1309
 Delta R.T. 0.00 min
 Lab File: BF078685.D
 Acq: 21 Apr 2015 15:57

Instrument :
 BNA_F
 ClientSampleId :
 SP-C-2DL

Tgt Ion: 202 Resp: 214594
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.3 24.5
 203 21.9 13.8 20.6#

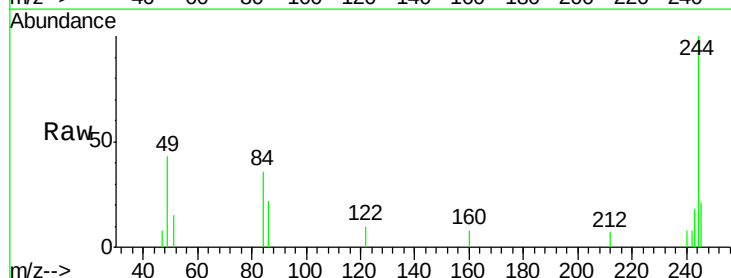


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

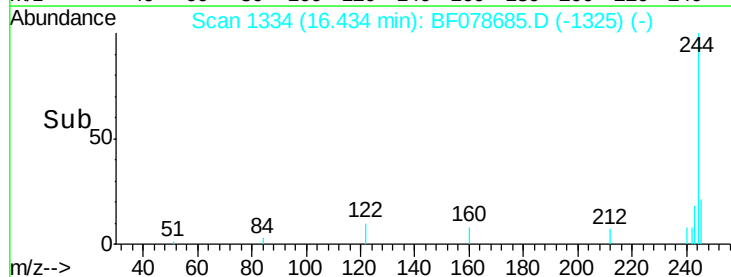
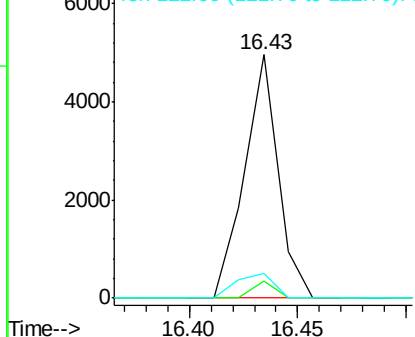


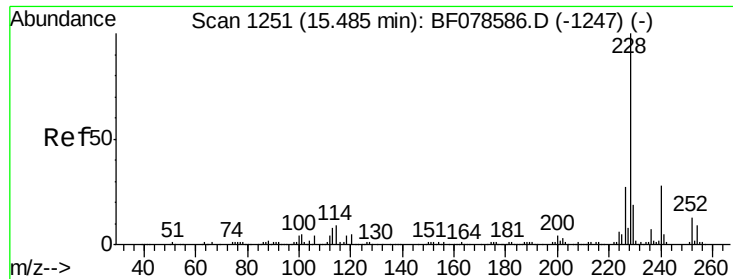
#78
 Terphenyl-d14
 Concen: 0.92 ng
 RT: 16.43 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF078685.D
 Acq: 21 Apr 2015 15:57

Tgt Ion: 244 Resp: 5319
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.0 7.4
 122 10.1 7.1 10.7



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: 12.95 ng

RT: 17.76 min Scan# 1450

Delta R.T. 0.00 min

Lab File: BF078685.D

Acq: 21 Apr 2015 15:57

Instrument :

BNA_F

ClientSampleId :

SP-C-2DL

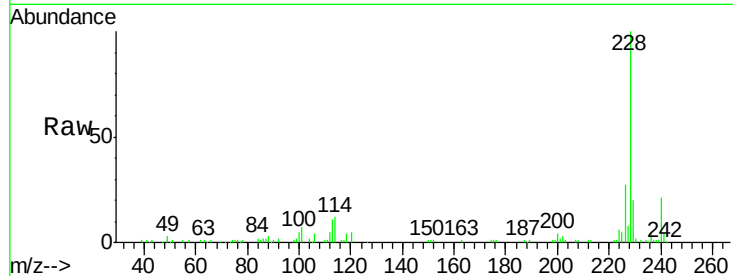
Tgt Ion:228 Resp: 100758

Ion Ratio Lower Upper

228 100

226 27.3 21.3 31.9

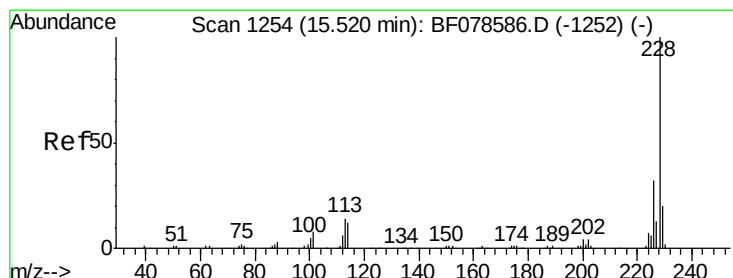
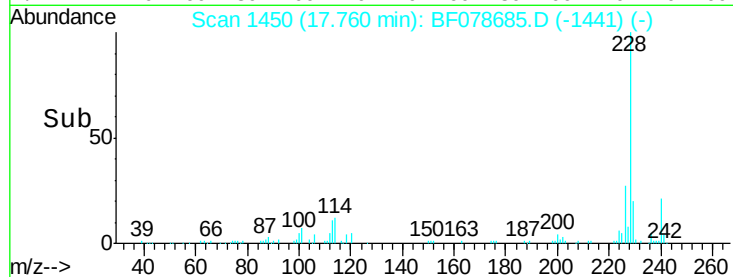
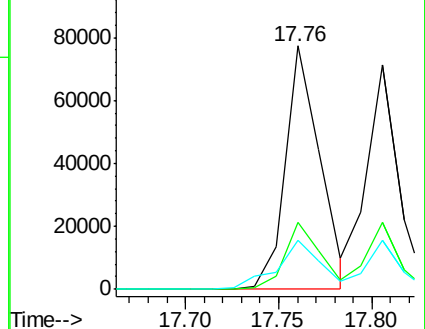
229 20.4 15.4 23.2



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: 11.12 ng

RT: 17.81 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF078685.D

Acq: 21 Apr 2015 15:57

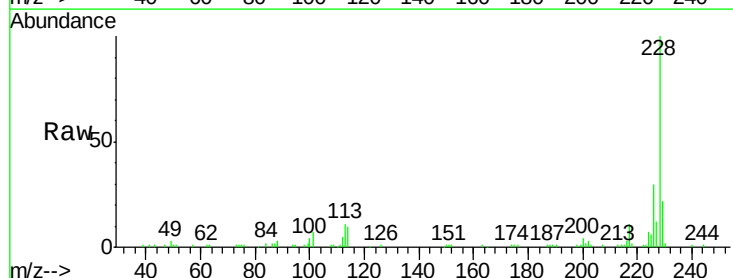
Tgt Ion:228 Resp: 81271

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.4

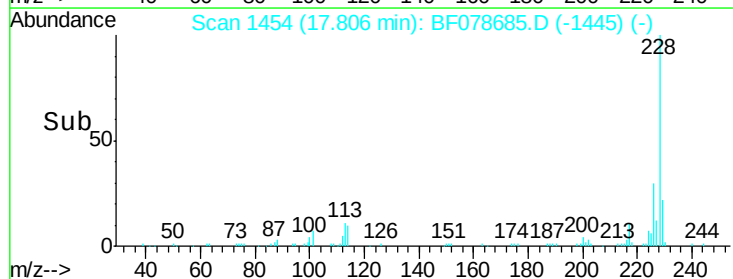
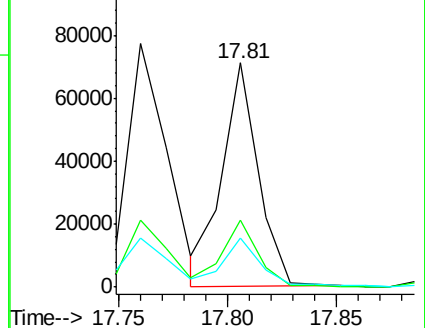
229 22.0 15.8 23.8

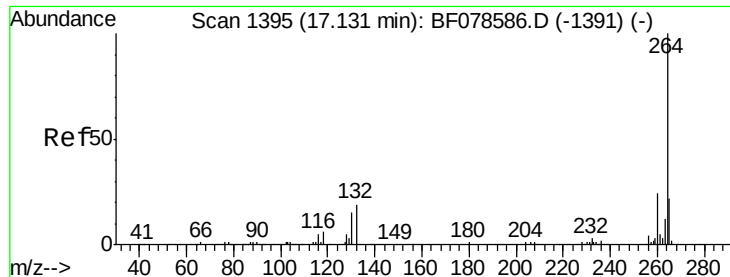


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

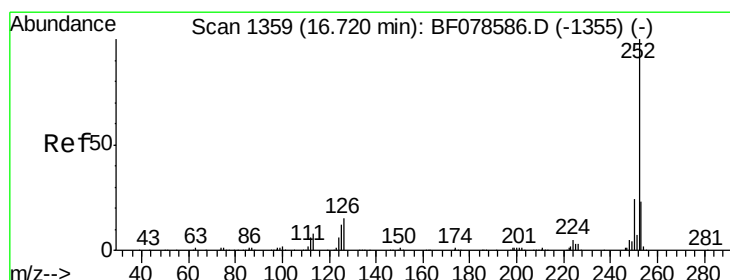
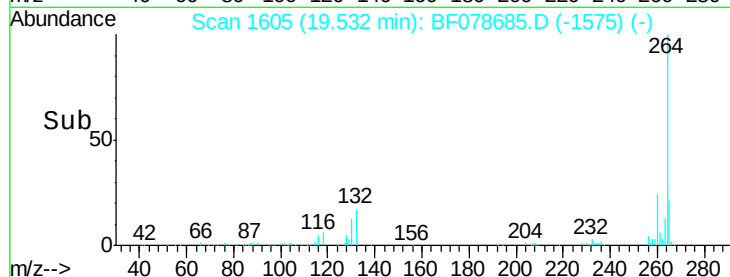
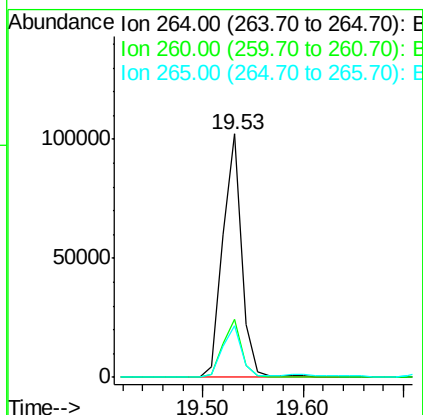
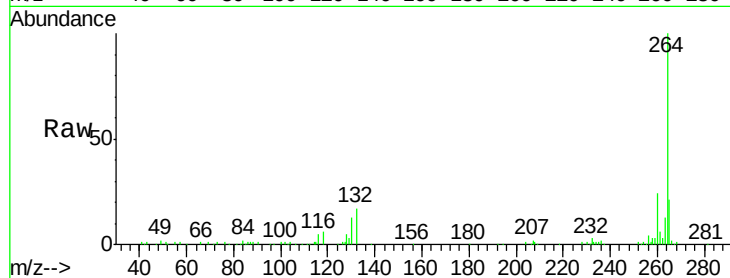




#86
Perylene-d12
Concen: 20.00 ng
RT: 19.53 min Scan# 1605
Delta R.T. 0.05 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

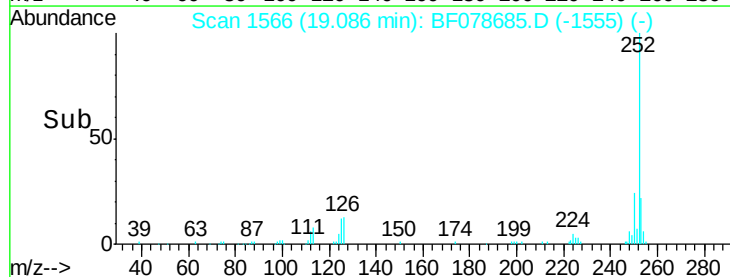
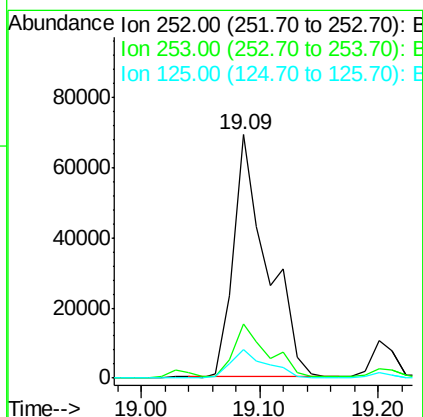
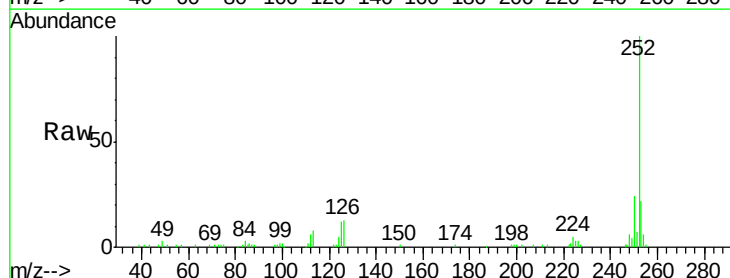
Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

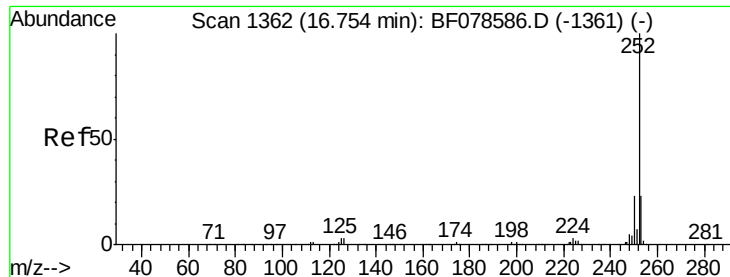
Tgt Ion:264 Resp: 133422
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 21.0 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 16.59 ng
RT: 19.09 min Scan# 1566
Delta R.T. 0.02 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion:252 Resp: 136821
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 11.6 7.0 10.4#

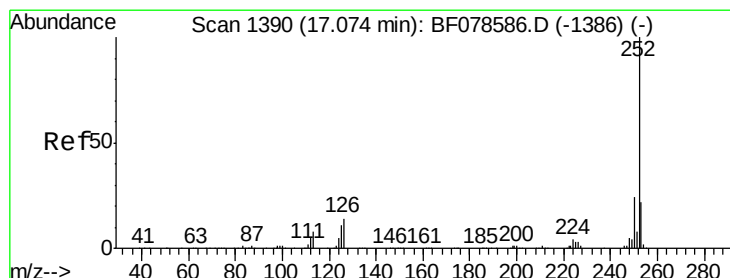
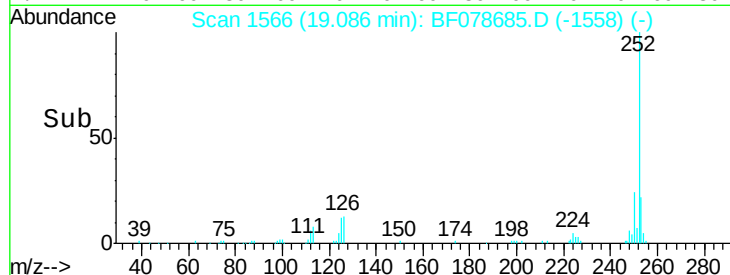
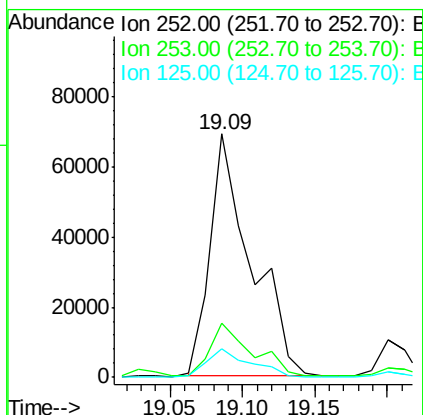
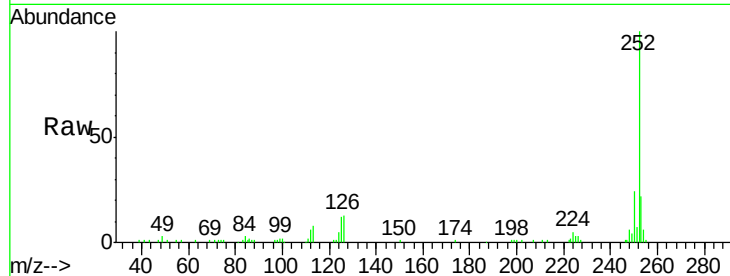




#88
Benzo(k)fluoranthene
Concen: 18.46 ng
RT: 19.09 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

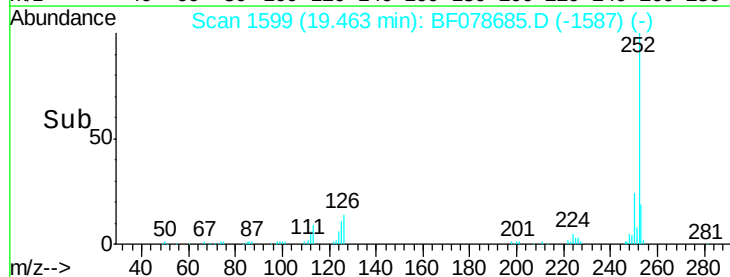
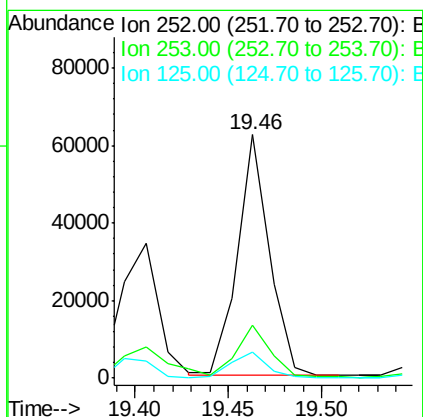
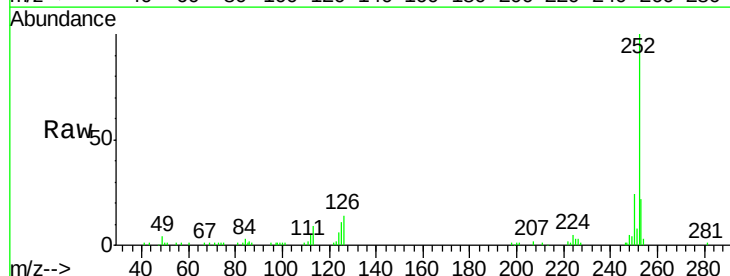
Instrument :
BNA_F
ClientSampleId :
SP-C-2DL

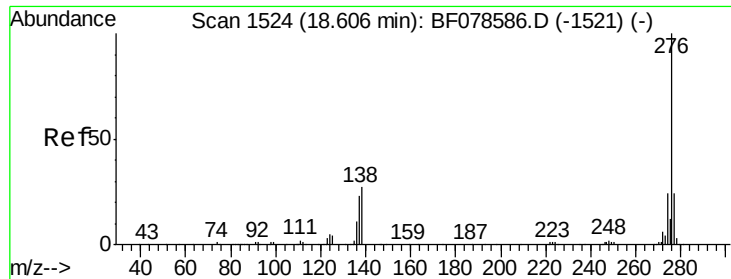
Tgt Ion: 252 Resp: 135261
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.6 11.6 17.4#



#89
Benzo(a)pyrene
Concen: 10.38 ng
RT: 19.46 min Scan# 1599
Delta R.T. 0.03 min
Lab File: BF078685.D
Acq: 21 Apr 2015 15:57

Tgt Ion: 252 Resp: 74732
Ion Ratio Lower Upper
252 100
253 21.8 16.8 25.2
125 10.7 7.4 11.0





#91

Benzo(g,h,i)perylene

Concen: 6.09 ng

RT: 21.05 min Scan# 1738

Delta R.T. 0.07 min

Lab File: BF078685.D

Acq: 21 Apr 2015 15:57

Instrument :

BNA_F

ClientSampleId :

SP-C-2DL

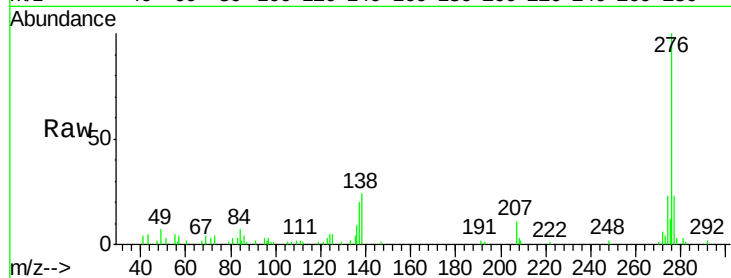
Tgt Ion: 276 Resp: 43981

Ion Ratio Lower Upper

276 100

277 22.7 19.0 28.4

138 23.6 19.9 29.9



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

