

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110317\
 Data File : BF100165.D
 Acq On : 4 Nov 2017 6:14
 Operator : SJ/JU
 Sample : I6265-01 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 04 06:50:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

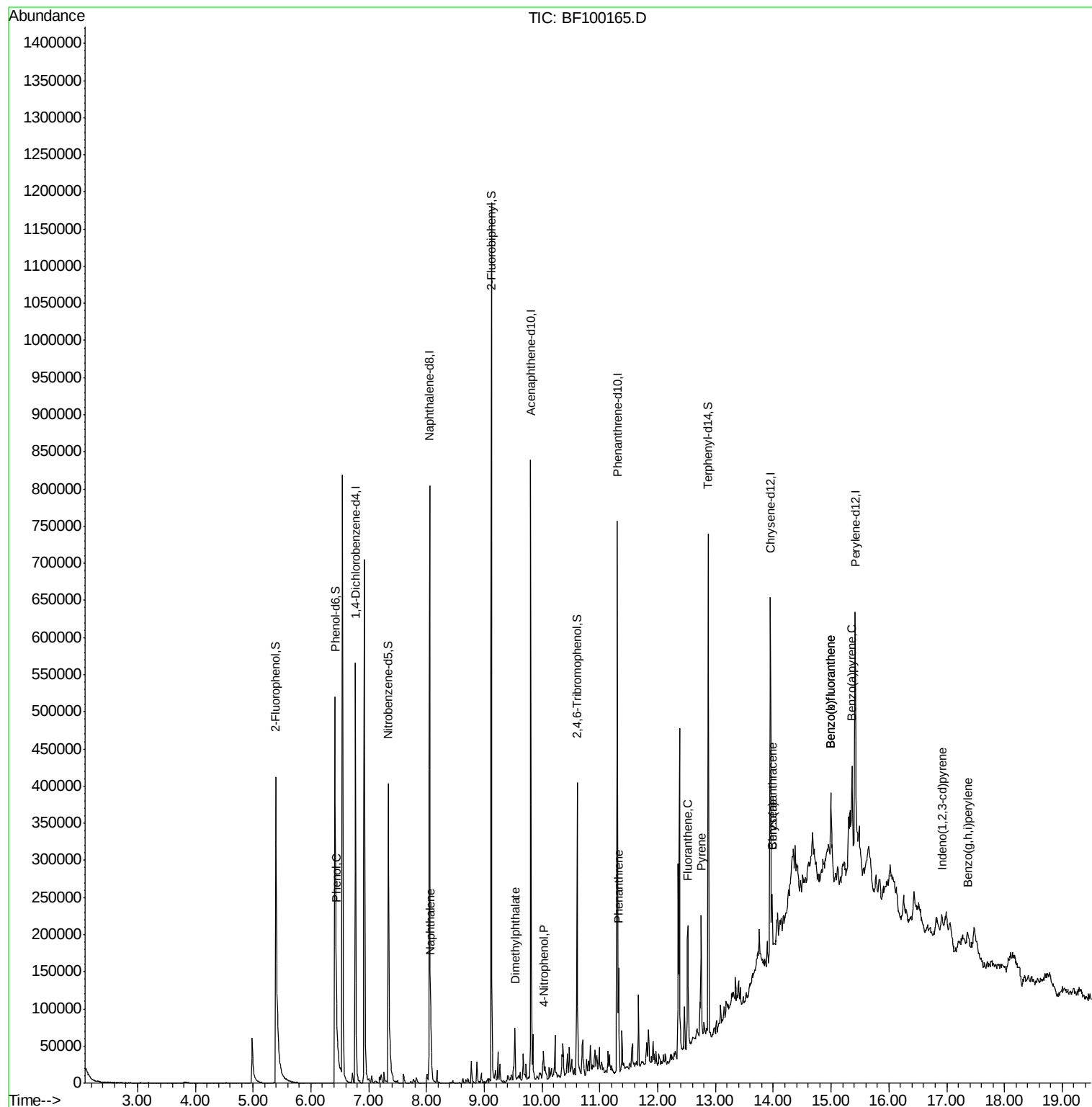
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	95641	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	381344	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	163906	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	249406	20.00	ng	0.00
75) Chrysene-d12	13.95	240	158447	20.00	ng	0.00
86) Perylene-d12	15.42	264	156003	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	256879	42.17	ng	0.00
7) Phenol-d6	6.42	99	316277	43.79	ng	-0.01
23) Nitrobenzene-d5	7.34	82	179989	30.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	58648	39.26	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	353616	33.29	ng	0.00
78) Terphenyl-d14	12.87	244	201767	27.83	ng	0.00
Target Compounds						
10) Phenol	6.44	94	17089	2.155	ng	Qvalue 80
31) Naphthalene	8.07	128	53123	2.886	ng	99
49) Dimethylphthalate	9.53	163	35724	2.752	ng	# 98
55) 4-Nitrophenol	10.02	139	6045	3.598	ng	# 15
70) Phenanthrene	11.32	178	55594	3.950	ng	99
74) Fluoranthene	12.52	202	72086	4.928	ng	96
77) Pyrene	12.75	202	65359	5.425	ng	98
80) Benzo(a)anthracene	13.98	228	31233	3.109	ng	99
82) Chrysene	13.98	228	31233	3.307	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	18732	2.161	ng	92
87) Benzo(b)fluoranthene	15.00	252	35986	3.653	ng	# 83
88) Benzo(k)fluoranthene	15.00	252	35986	3.874	ng	# 85
89) Benzo(a)pyrene	15.36	252	28450	3.215	ng	# 81
91) Benzo(a,h,i)perylene	17.37	276	17145	2.229	ng	# 84

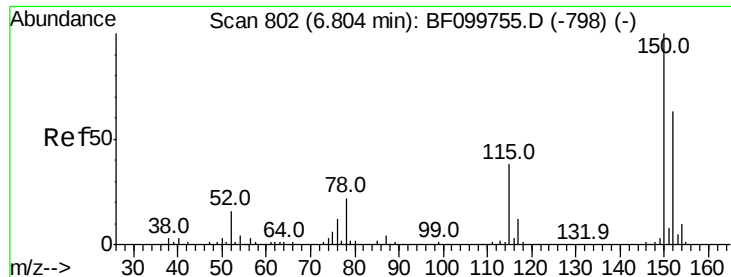
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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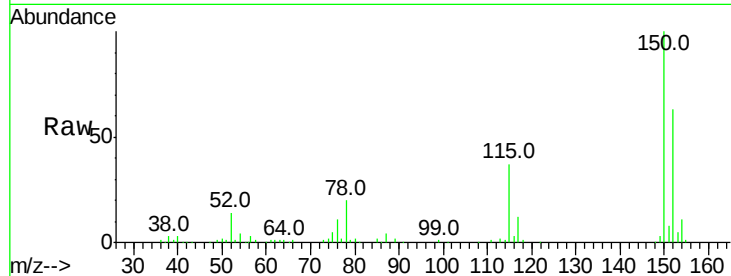


#1

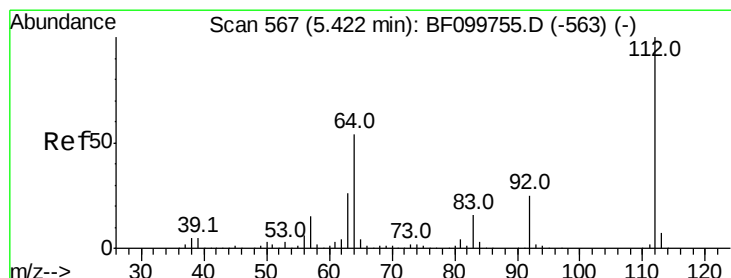
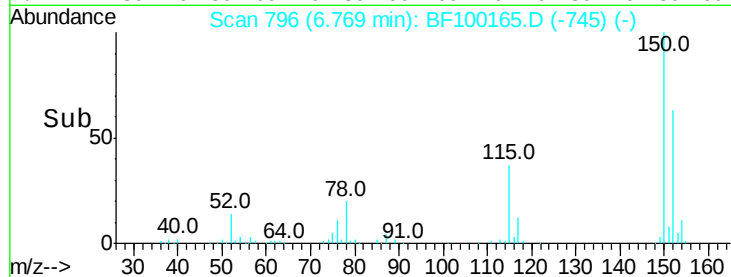
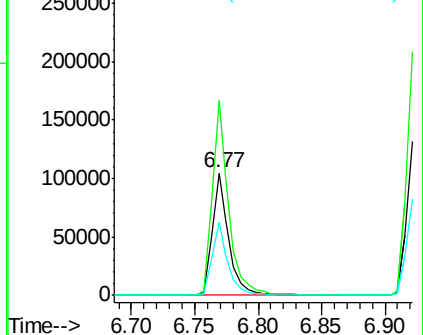
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF100165.D
 Acq: 4 Nov 2017 6:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 95641
 Ion Ratio Lower Upper
 152 100
 150 159.6 124.6 186.8
 115 59.7 50.1 75.1



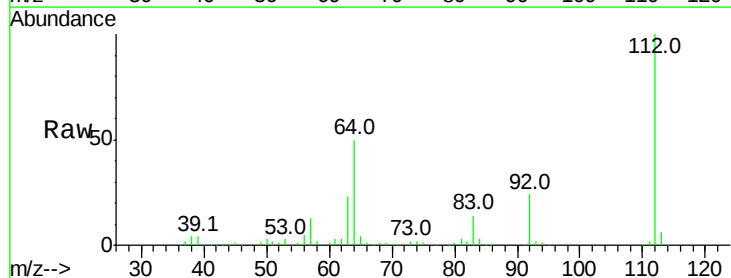
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



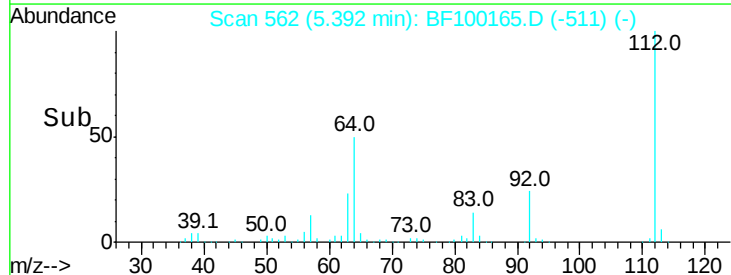
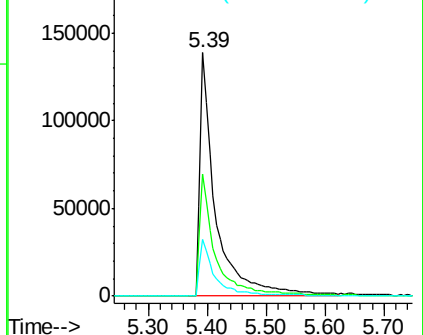
#5

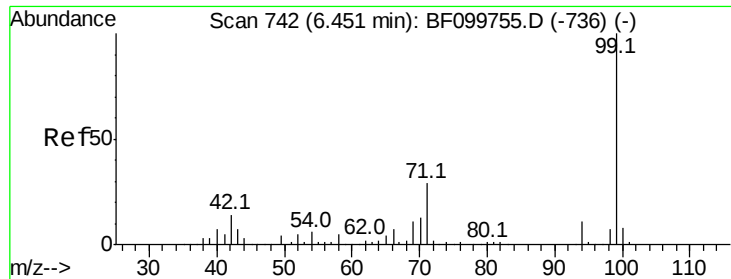
2-Fluorophenol
 Concen: 42.167 ng
 RT: 5.39 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: BF100165.D
 Acq: 4 Nov 2017 6:14

Tgt Ion:112 Resp: 256879
 Ion Ratio Lower Upper
 112 100
 64 50.3 47.9 71.9
 63 23.1 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 43.786 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100165.D

Acq: 4 Nov 2017 6:14

Instrument :

BNA_F

ClientSampled :

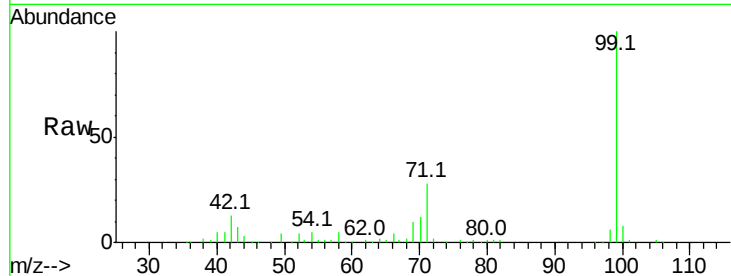
Tot Ion: 99 Resp: 316277

Ion Ratio Lower Upper

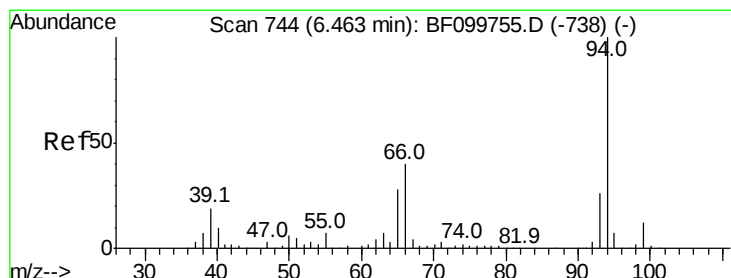
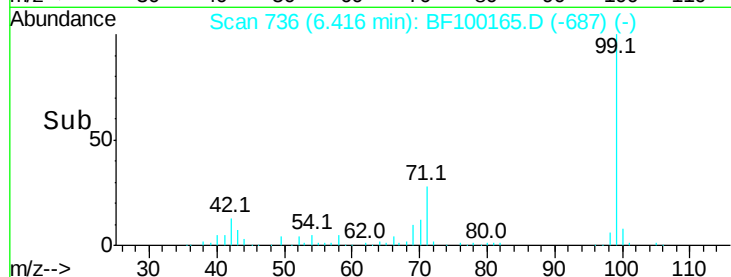
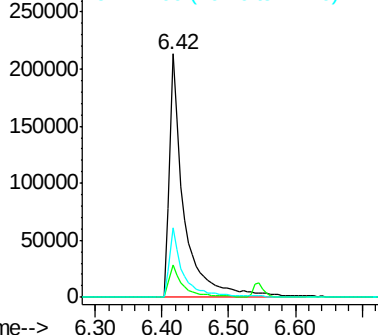
99 100

42 13.2 14.5 21.7#

71 28.3 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



#10

Phenol

Concen: 2.155 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF100165.D

Acq: 4 Nov 2017 6:14

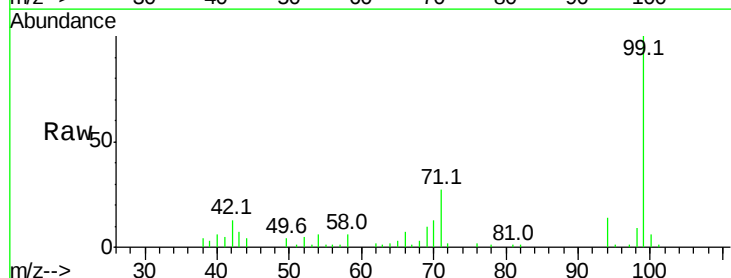
Tgt Ion: 94 Resp: 17089

Ion Ratio Lower Upper

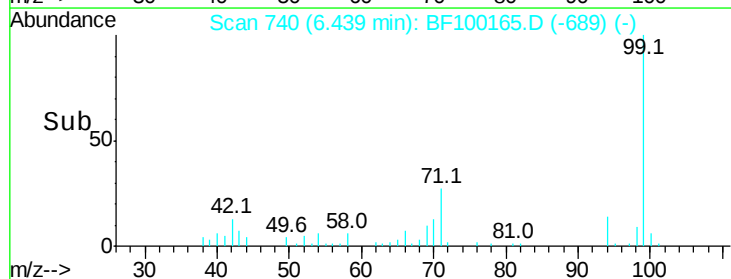
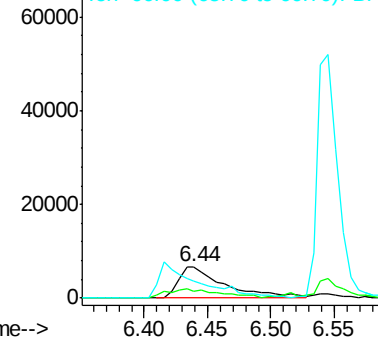
94 100

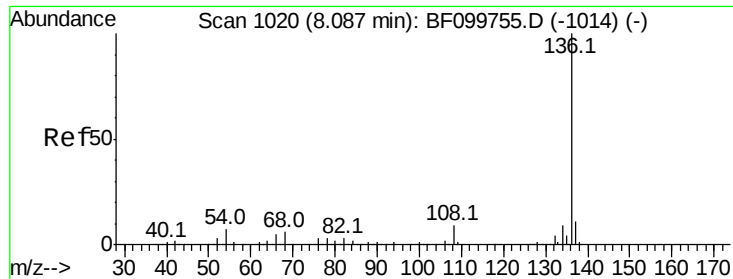
65 22.6 7.9 47.9

66 53.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF100165.D

Acq: 4 Nov 2017 6:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 381344

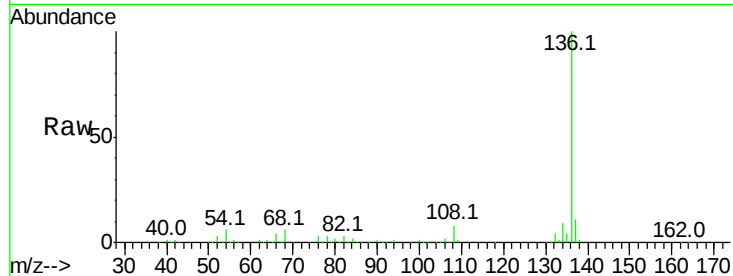
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.4 6.6 9.8#

68 5.9 5.0 7.4

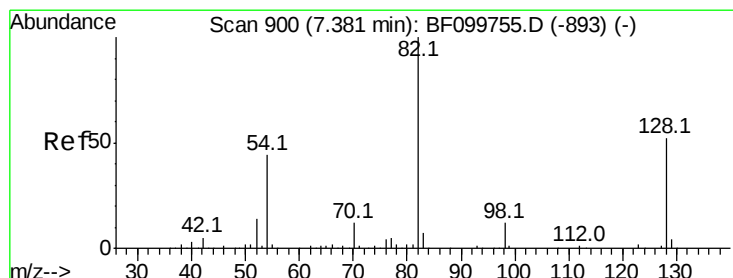
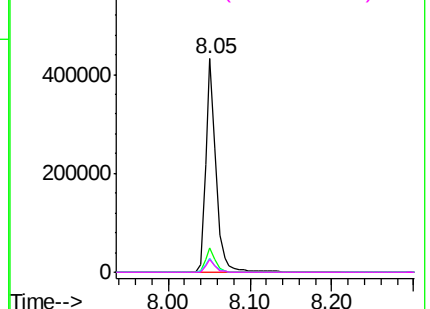
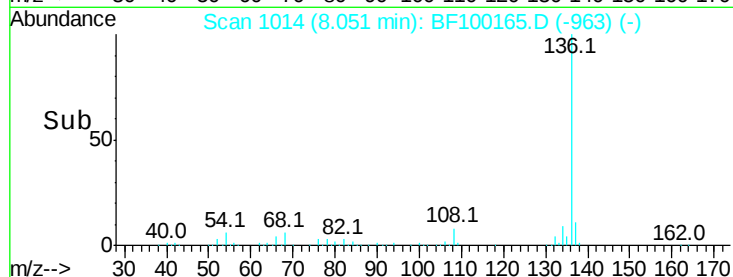


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.387 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF100165.D

Acq: 4 Nov 2017 6:14

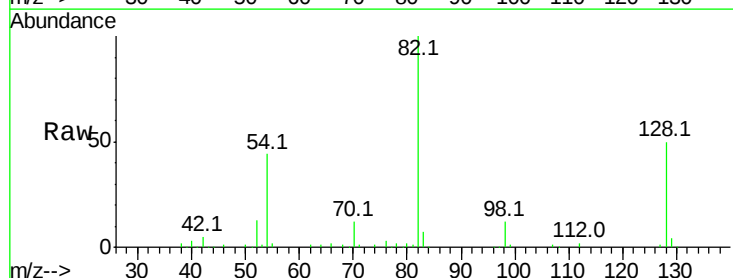
Tgt Ion: 82 Resp: 179989

Ion Ratio Lower Upper

82 100

128 50.0 36.1 54.1

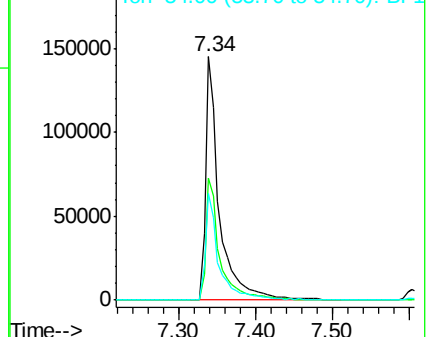
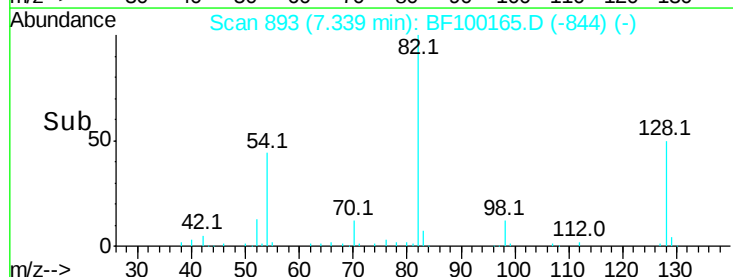
54 43.6 41.4 62.2

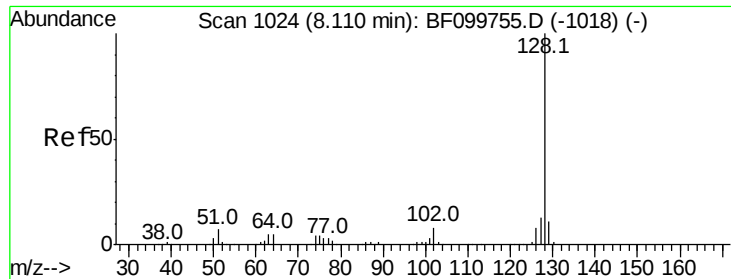


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

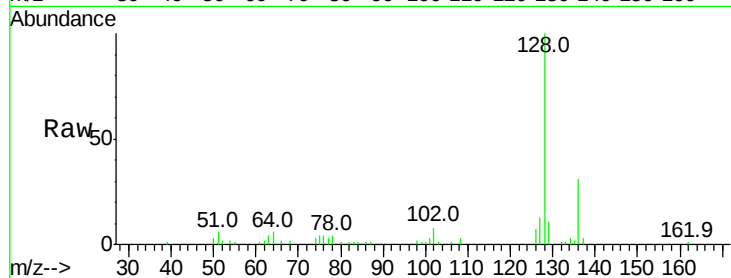




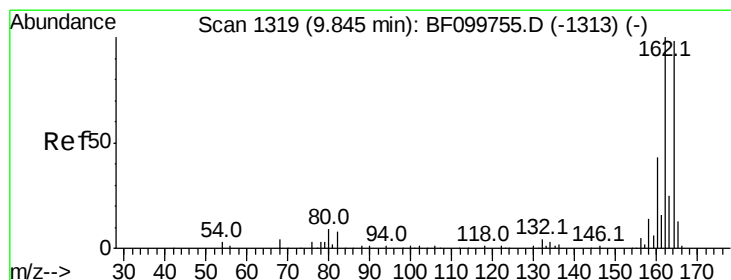
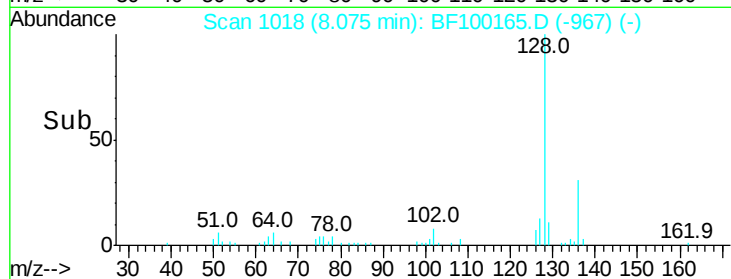
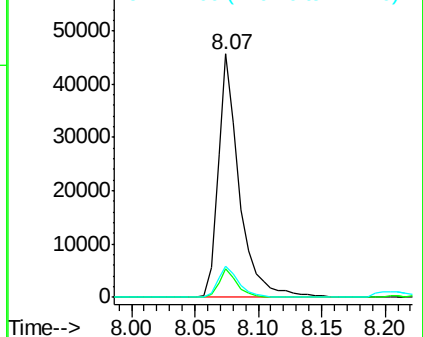
#31
Naphthalene
Concen: 2.886 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF100165.D
Acq: 4 Nov 2017 6:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 53123
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.0 10.9 16.3

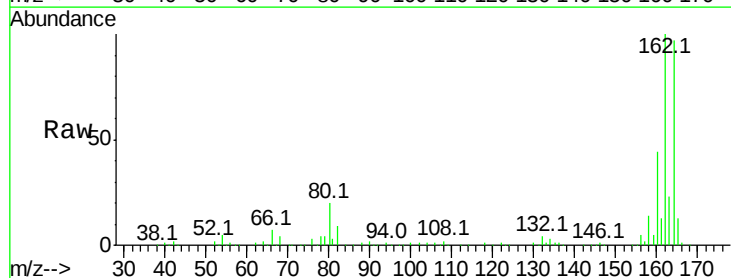


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

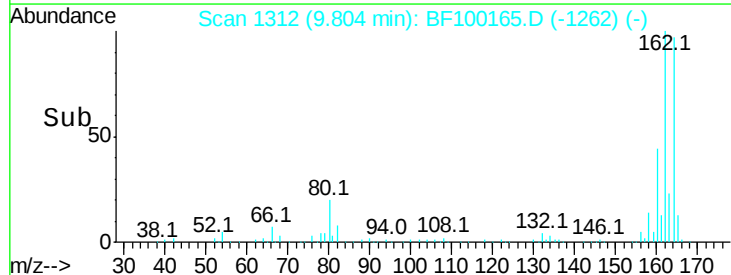
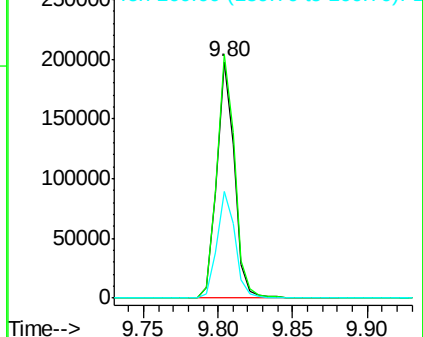


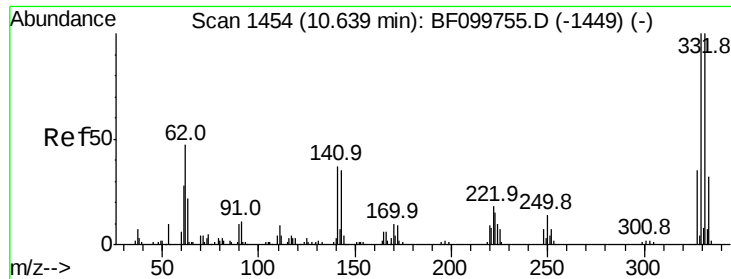
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF100165.D
Acq: 4 Nov 2017 6:14

Tgt Ion:164 Resp: 163906
Ion Ratio Lower Upper
164 100
162 103.1 86.1 129.1
160 45.0 38.3 57.5



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

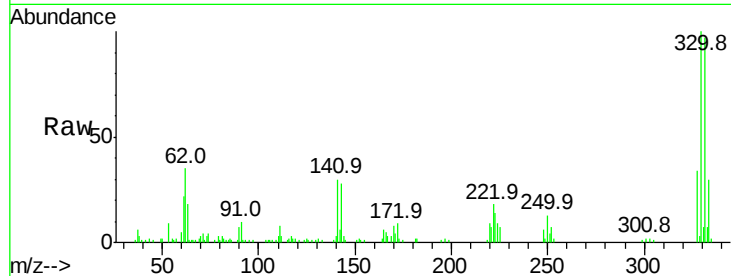




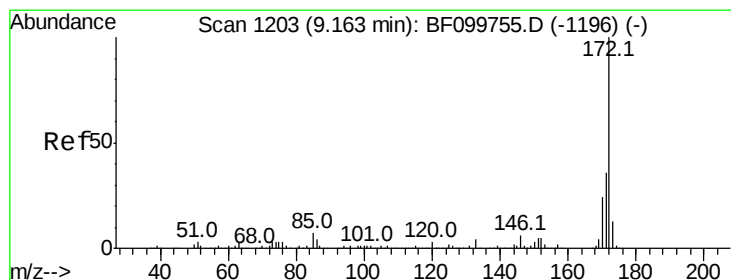
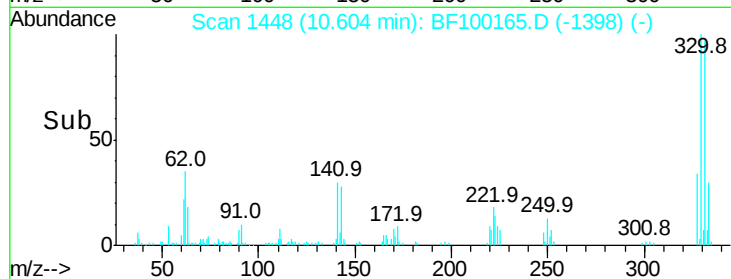
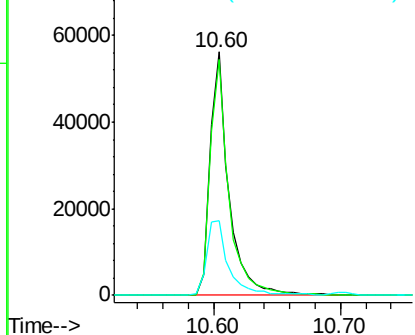
#41
 2,4,6-Tribromophenol
 Concen: 39.264 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100165.D
 Acq: 4 Nov 2017 6:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 58648
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 35.7 29.9 44.9

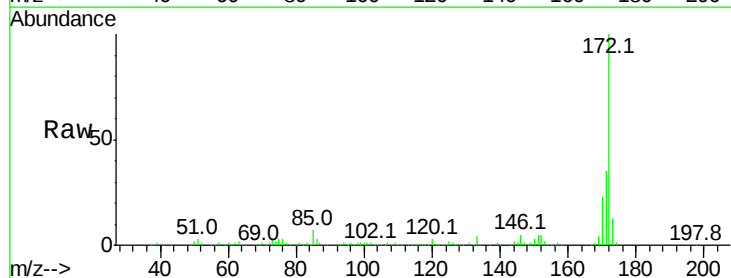


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

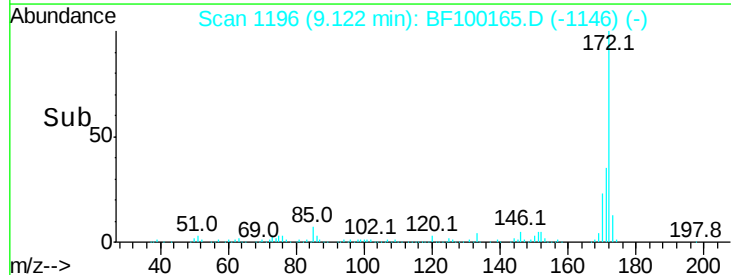
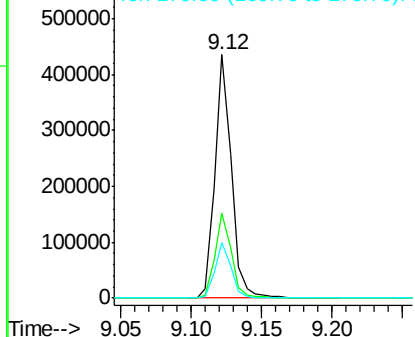


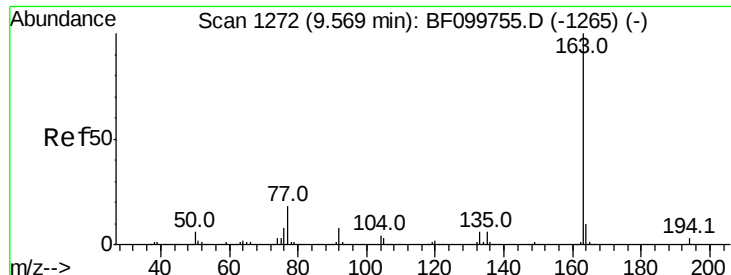
#44
 2-Fluorobiphenyl
 Concen: 33.286 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF100165.D
 Acq: 4 Nov 2017 6:14

Tgt Ion:172 Resp: 353616
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 22.9 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

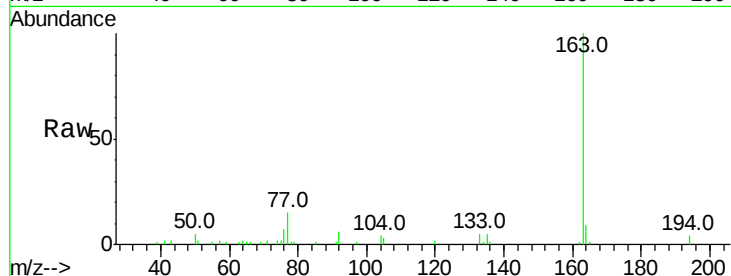




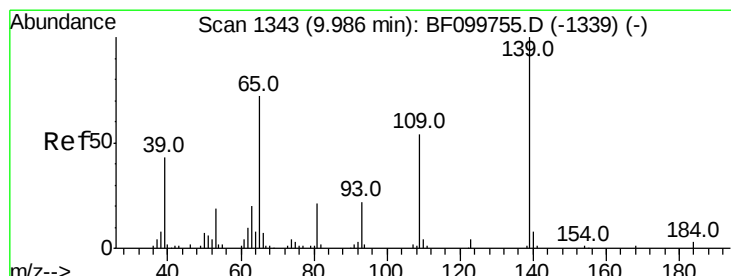
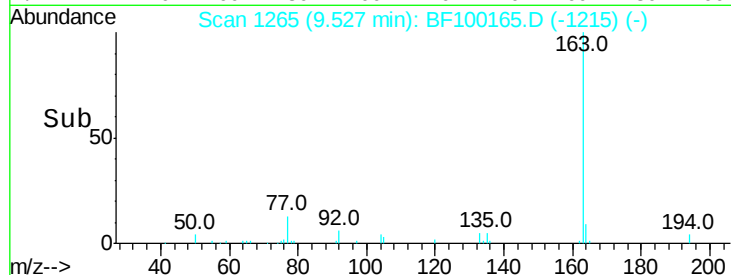
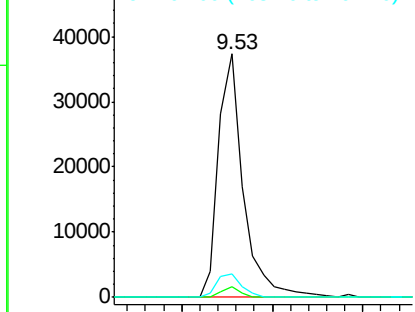
#49
Dimethylphthalate
Concen: 2.752 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF100165.D
Acq: 4 Nov 2017 6:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 35724
Ion Ratio Lower Upper
163 100
194 4.4 2.7 4.1#
164 9.5 8.2 12.2

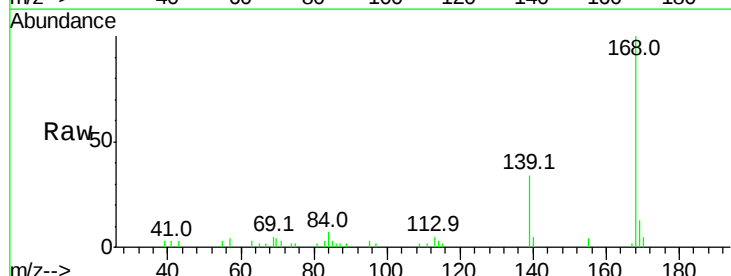


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

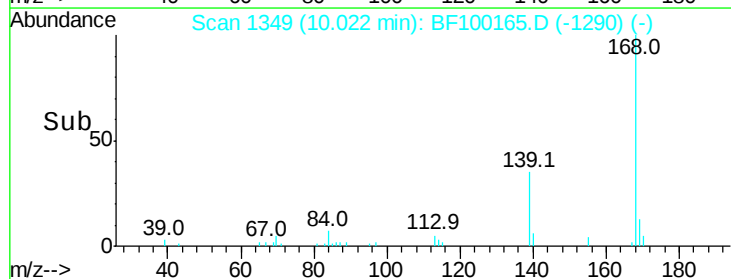
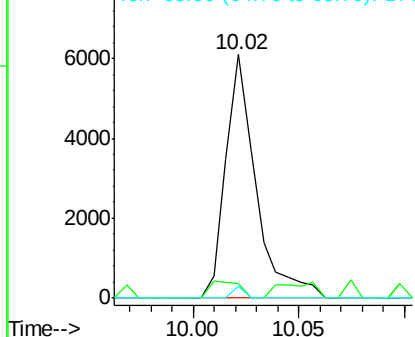


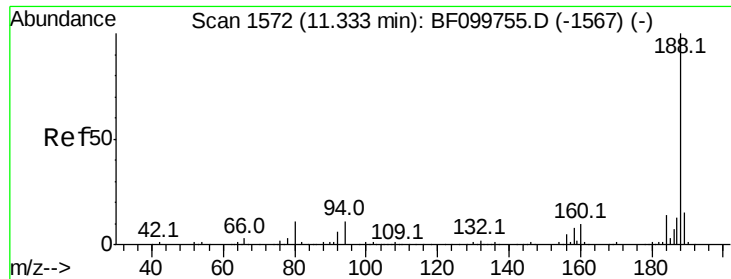
#55
4-Nitrophenol
Concen: 3.598 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.05 min
Lab File: BF100165.D
Acq: 4 Nov 2017 6:14

Tgt Ion:139 Resp: 6045
Ion Ratio Lower Upper
139 100
109 5.8 48.4 88.4#
65 5.0 72.6 112.6#



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

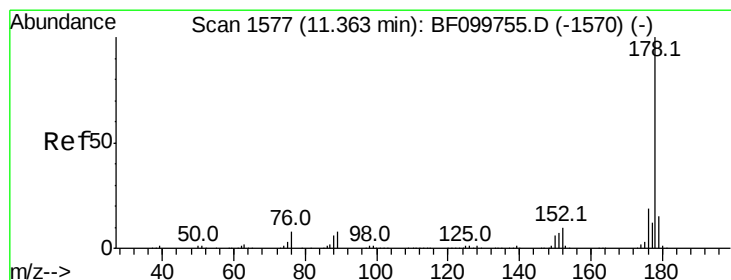
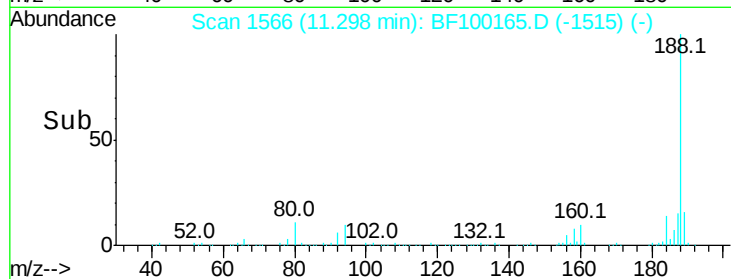
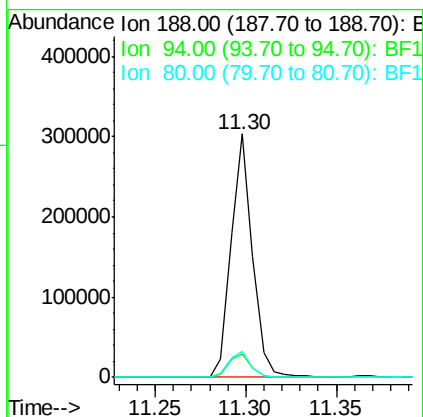
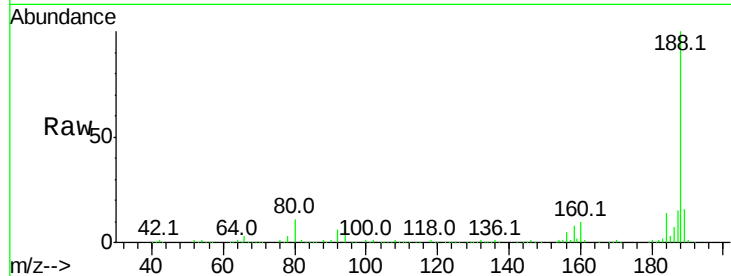




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.00 min
Lab File: BF100165.D
Acq: 4 Nov 2017 6:14

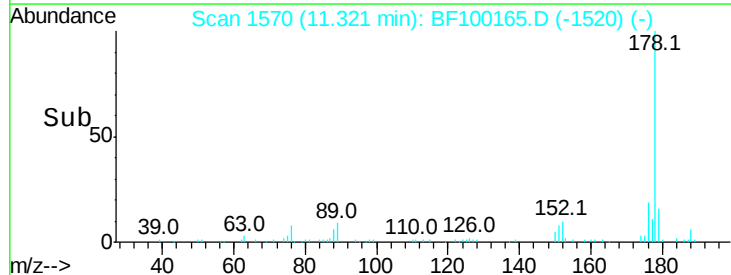
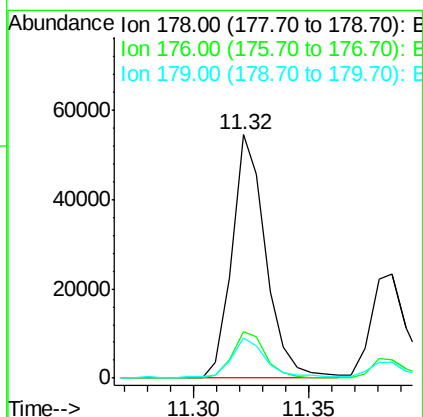
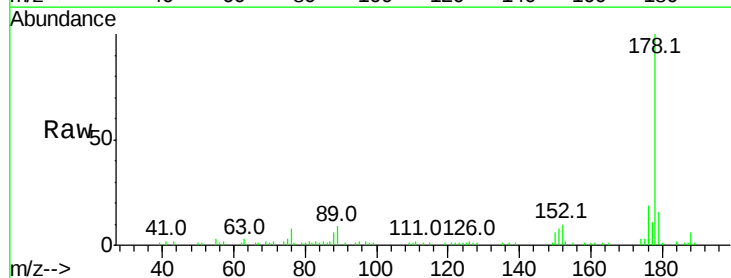
Instrument :
BNA_F
ClientSampleId :

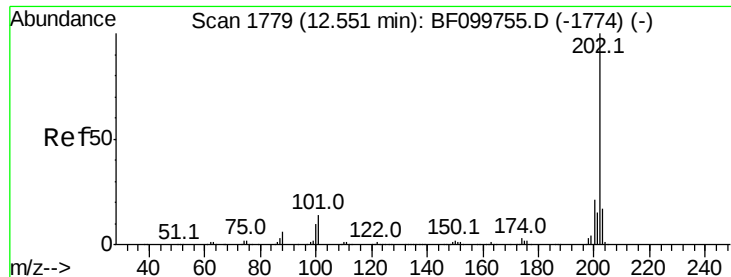
Tot Ion:188 Resp: 249406
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.6 9.2 13.8



#70
Phenanthrene
Concen: 3.950 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF100165.D
Acq: 4 Nov 2017 6:14

Tgt Ion:178 Resp: 55594
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 16.3 13.0 19.6





#74

Fluoranthene

Concen: 4.928 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.01 min

Lab File: BF100165.D

Acq: 4 Nov 2017 6:14

Instrument :

BNA_F

ClientSampled :

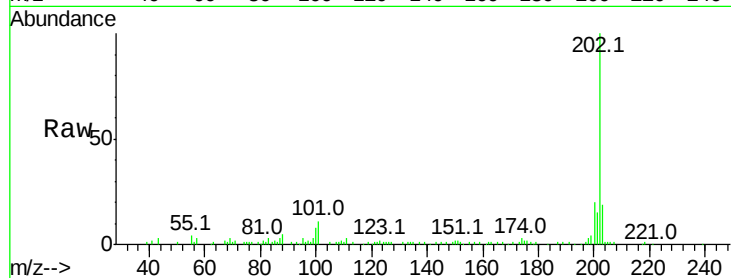
Tot Ion:202 Resp: 72086

Ion Ratio Lower Upper

202 100

101 10.7 0.0 34.1

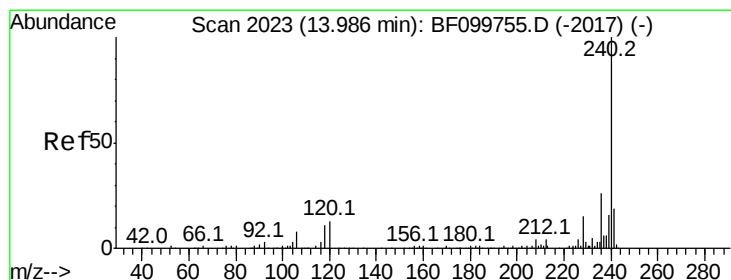
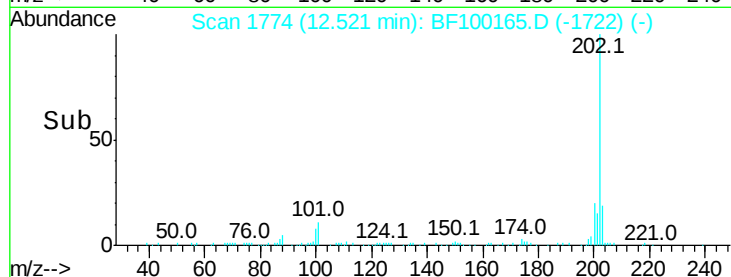
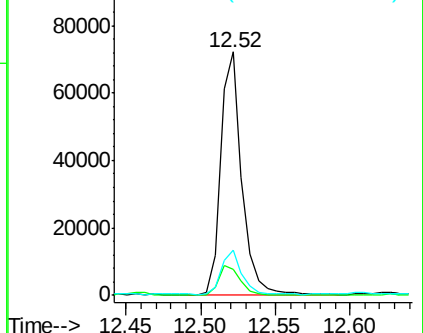
203 18.6 0.0 38.1



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: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF100165.D

Acq: 4 Nov 2017 6:14

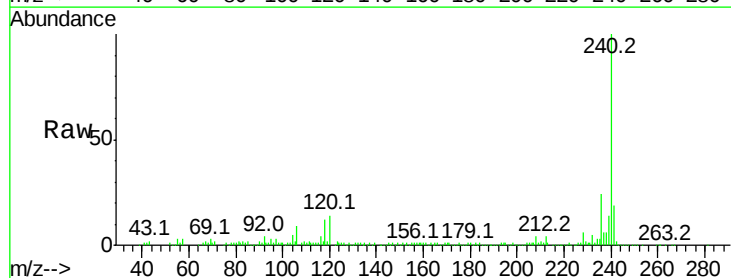
Tgt Ion:240 Resp: 158447

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

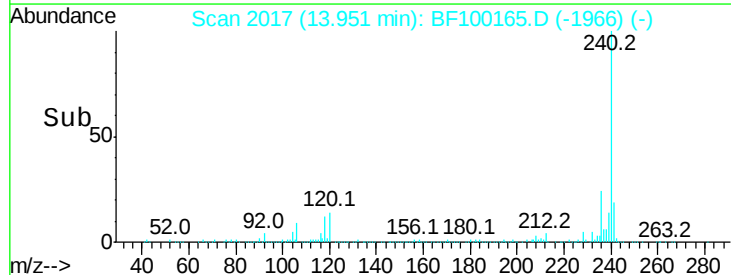
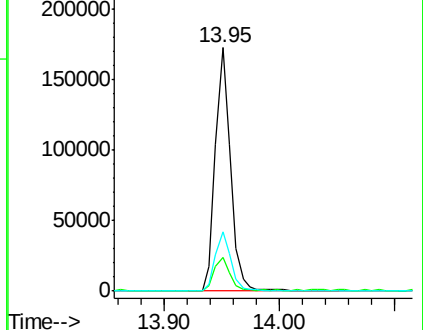
236 24.3 20.7 31.1

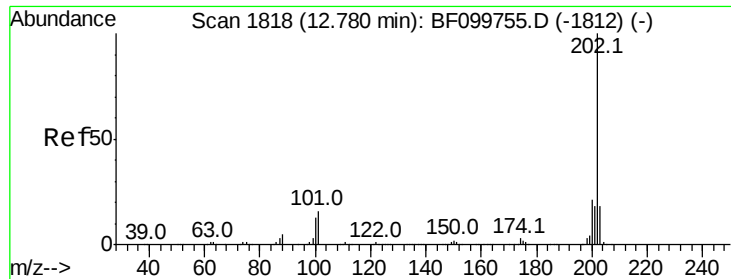


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.425 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BF100165.D

Acq: 4 Nov 2017 6:14

Instrument :

BNA_F

ClientSampleId :

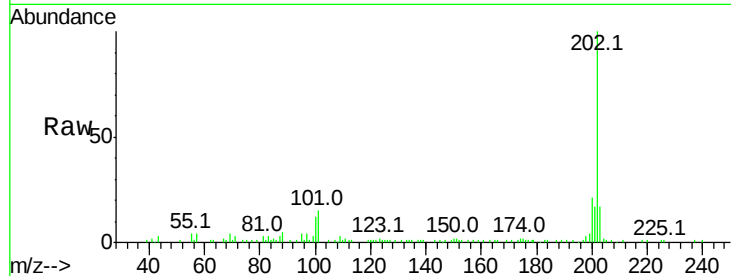
Tot Ion:202 Resp: 65359

Ion Ratio Lower Upper

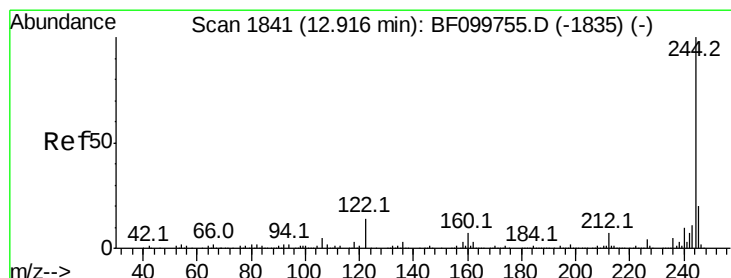
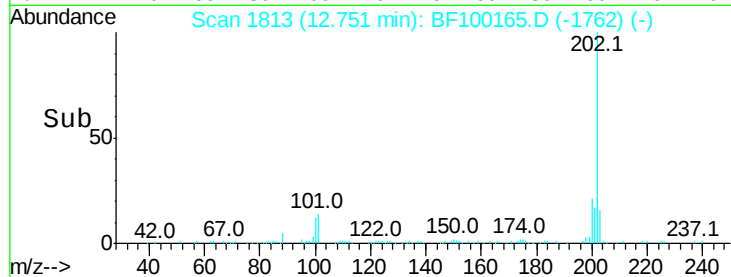
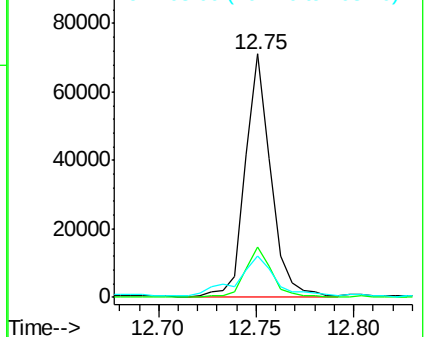
202 100

200 20.6 17.4 26.2

203 17.0 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: 27.829 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF100165.D

Acq: 4 Nov 2017 6:14

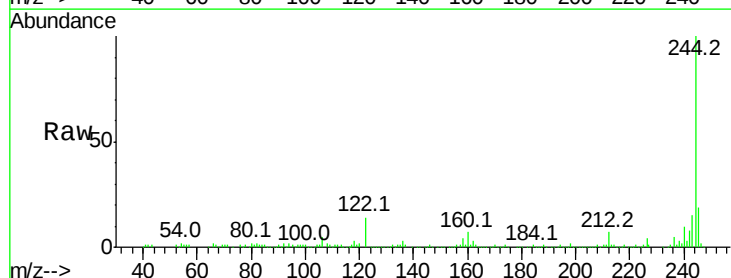
Tgt Ion:244 Resp: 201767

Ion Ratio Lower Upper

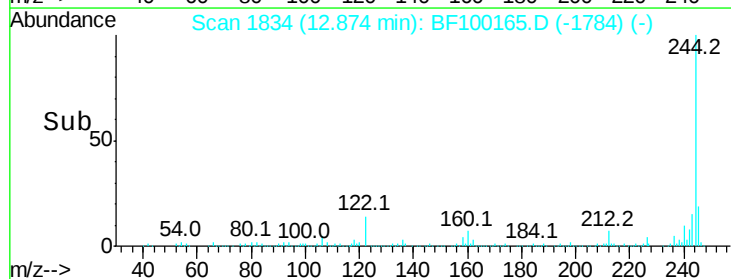
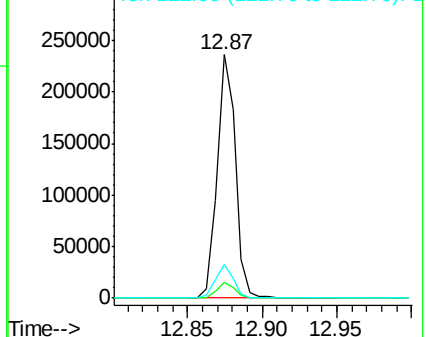
244 100

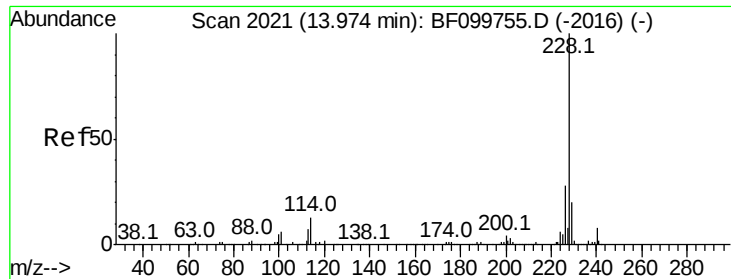
212 6.6 5.4 8.0

122 14.0 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: 3.109 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.04 min

Lab File: BF100165.D

Acq: 4 Nov 2017 6:14

Instrument :

BNA_F

ClientSampled :

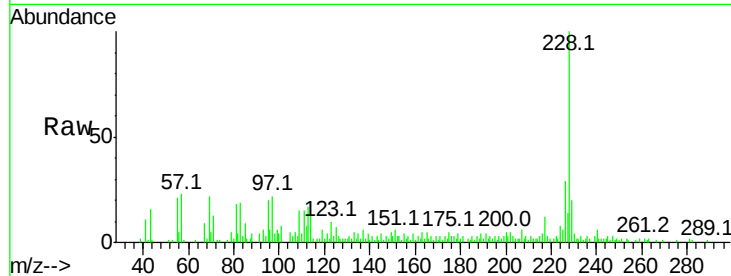
Tot Ion:228 Resp: 31233

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

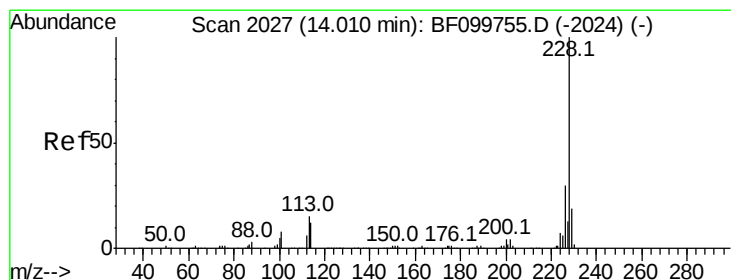
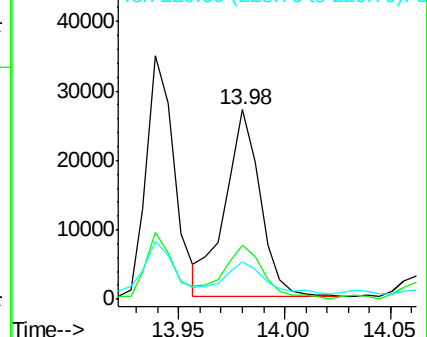
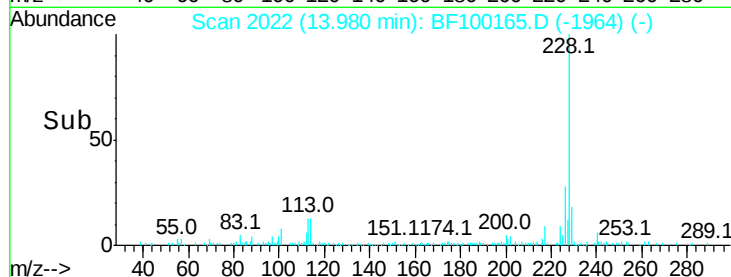
229 19.9 15.8 23.6



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: 3.307 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF100165.D

Acq: 4 Nov 2017 6:14

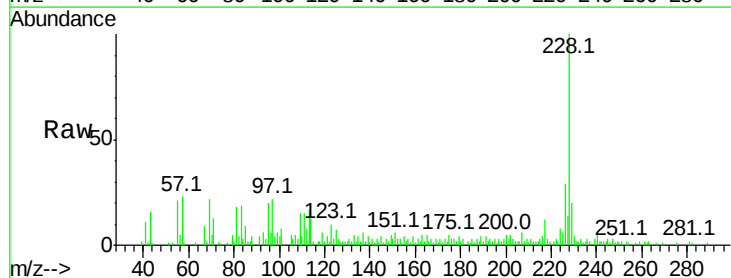
Tgt Ion:228 Resp: 31233

Ion Ratio Lower Upper

228 100

226 28.6 25.0 37.6

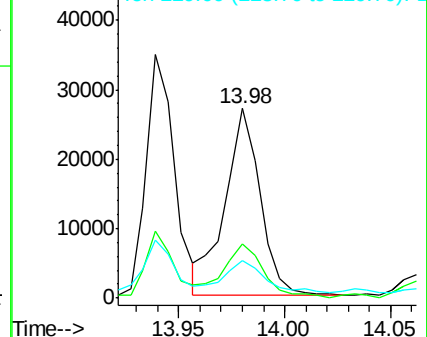
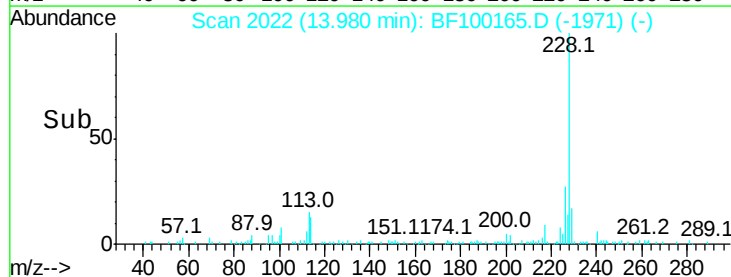
229 19.9 16.2 24.4

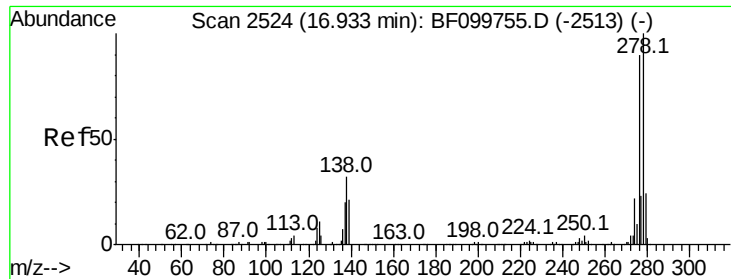


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

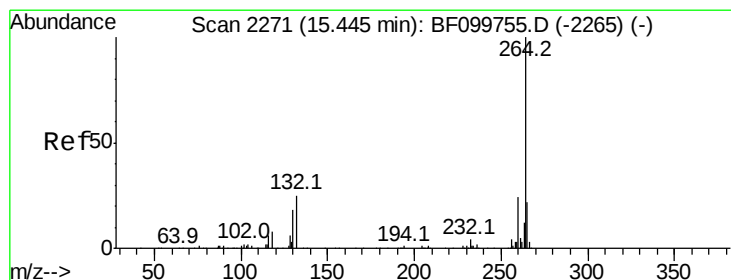
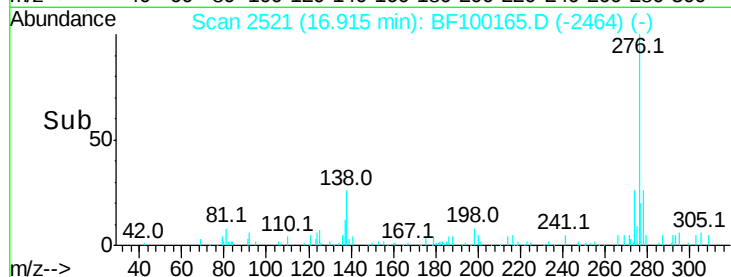
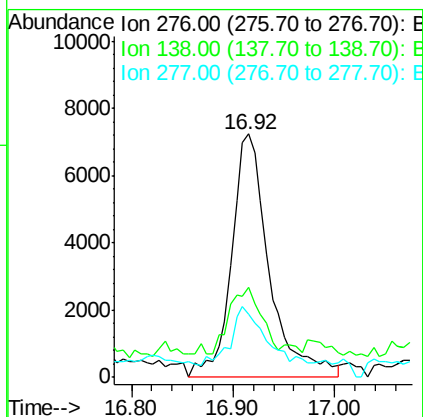
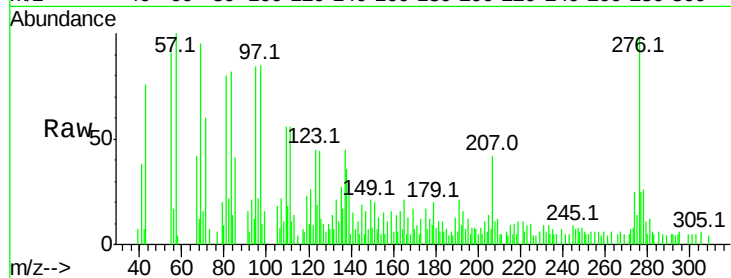




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.161 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. 0.04 min
 Lab File: BF100165.D
 Acq: 4 Nov 2017 6:14

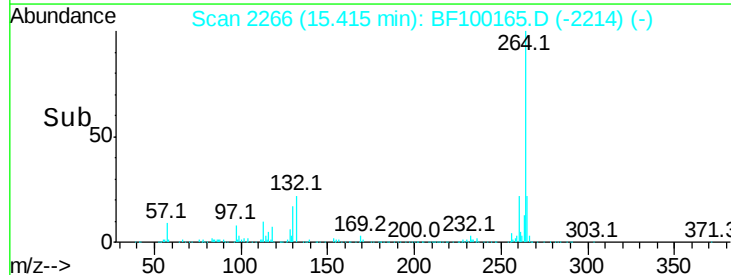
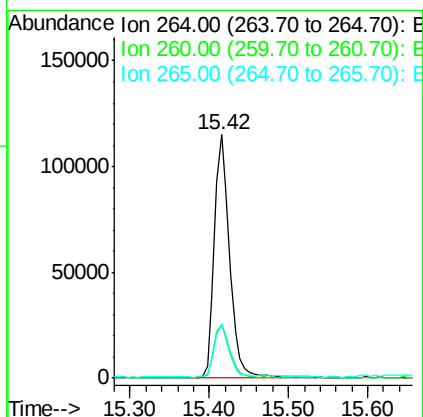
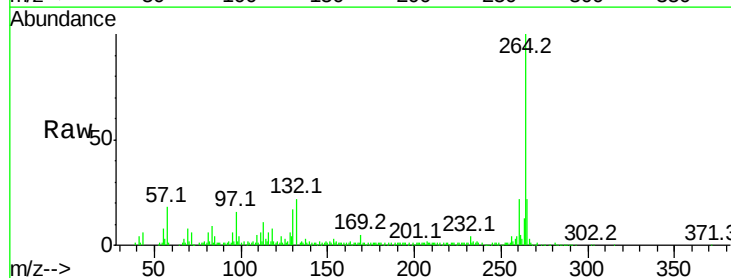
Instrument :
 BNA_F
 ClientSampleId :

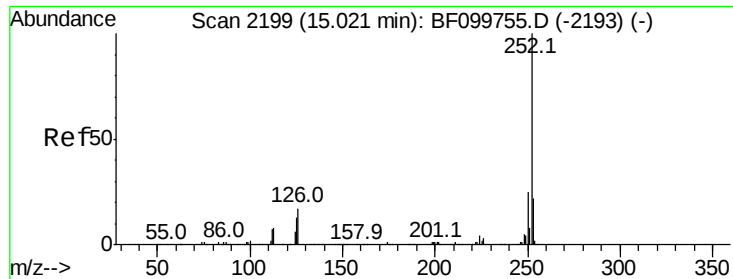
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.0	37.6
277	21.9	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. 0.01 min
 Lab File: BF100165.D
 Acq: 4 Nov 2017 6:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.2	28.8
265	22.0	17.5	26.3

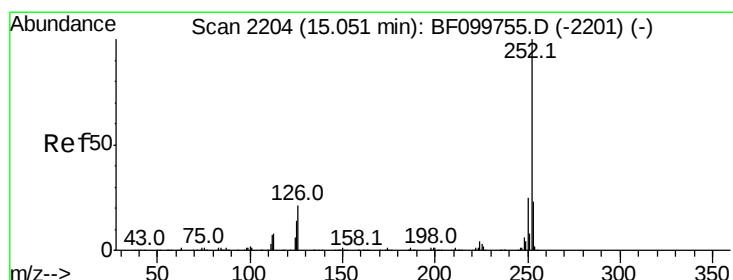
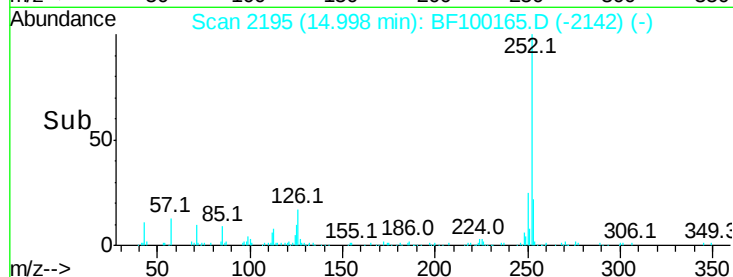
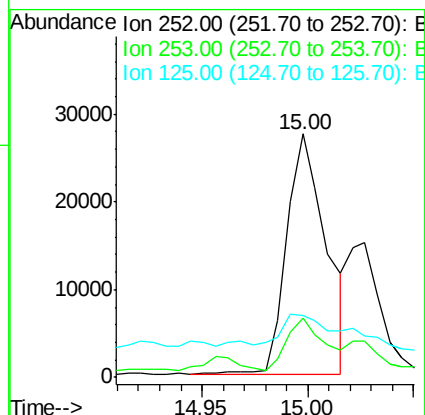
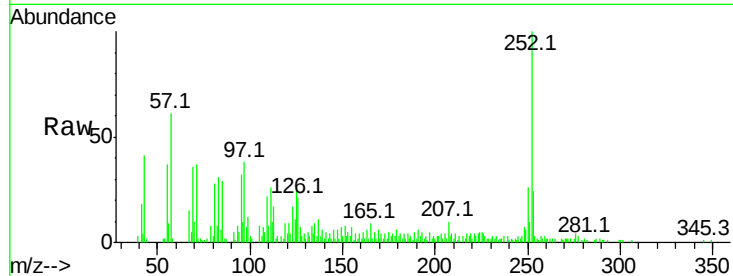




#87
Benzo(b)fluoranthene
Concen: 3.653 ng
RT: 15.00 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF100165.D
Acq: 4 Nov 2017 6:14

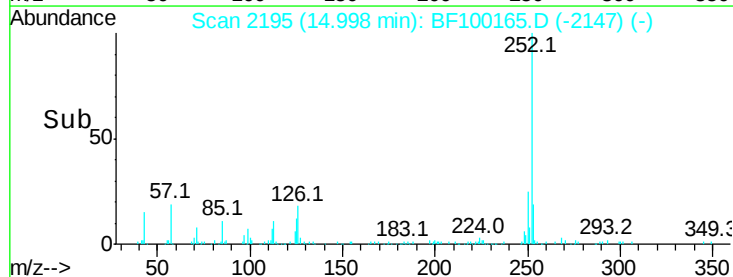
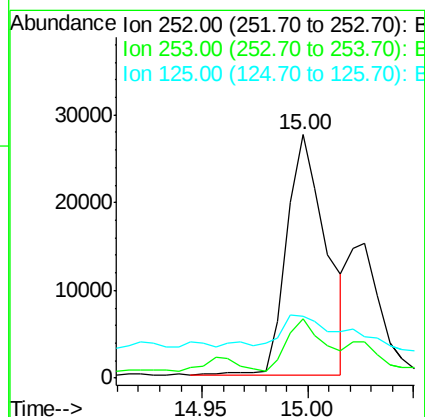
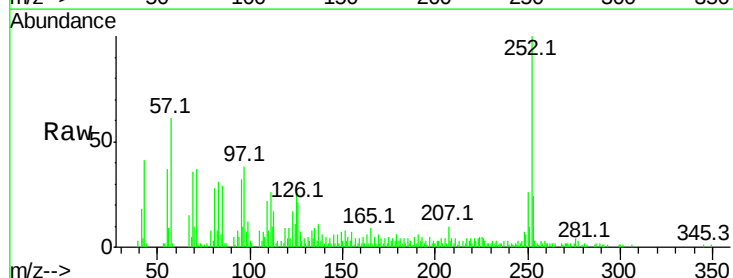
Instrument :
BNA_F
ClientSampleId :

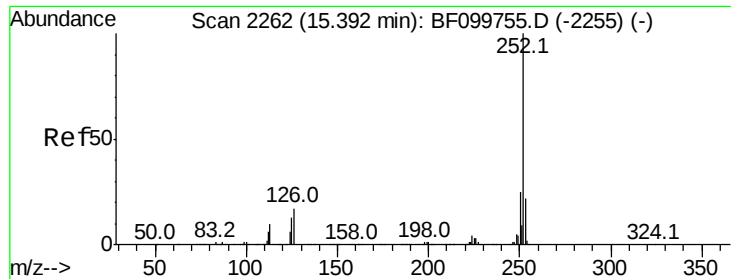
Tot Ion:252 Resp: 35986
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.6
125 25.7 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 3.874 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF100165.D
Acq: 4 Nov 2017 6:14

Tgt Ion:252 Resp: 35986
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 25.7 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 3.215 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.01 min

Lab File: BF100165.D

Acq: 4 Nov 2017 6:14

Instrument :

BNA_F

ClientSampleId :

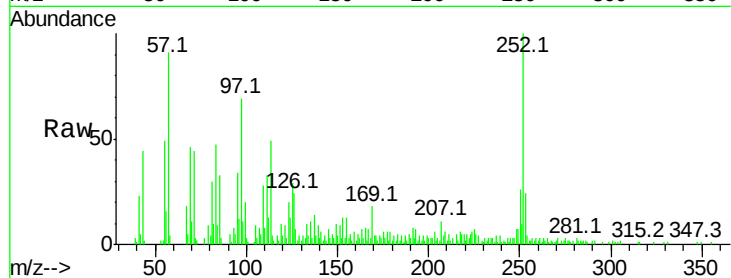
Tot Ion:252 Resp: 28450

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

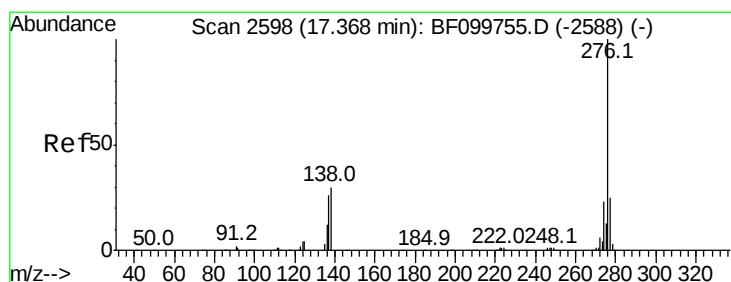
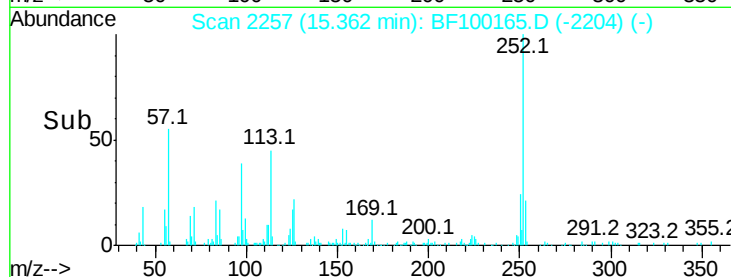
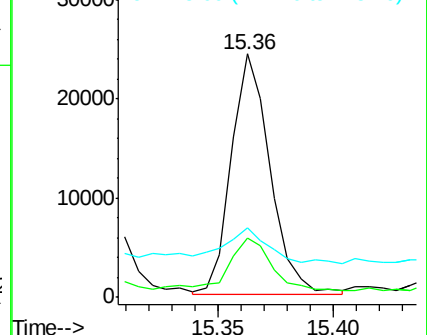
125 28.6 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 2.229 ng

RT: 17.37 min Scan# 2598

Delta R.T. 0.05 min

Lab File: BF100165.D

Acq: 4 Nov 2017 6:14

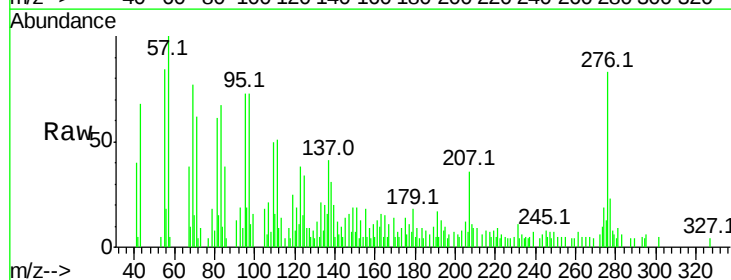
Tgt Ion:276 Resp: 17145

Ion Ratio Lower Upper

276 100

277 27.8 17.9 26.9#

138 37.9 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

