

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104746.D
 Acq On : 24 Apr 2018 9:36
 Operator : JU/SJ
 Sample : J2497-02 20X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 11:09:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	83521	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	317256	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	131069	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	228033	20.00	ng	0.01
75) Chrysene-d12	13.99	240	146021	20.00	ng	0.00
86) Perylene-d12	15.47	264	111747	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	25151	4.60	ng	0.01
7) Phenol-d6	6.46	99	30565	4.55	ng	0.01
23) Nitrobenzene-d5	7.37	82	14954	3.08	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	6518	4.79	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	32467	3.91	ng	0.00
78) Terphenyl-d14	12.93	244	31311	4.89	ng	0.00

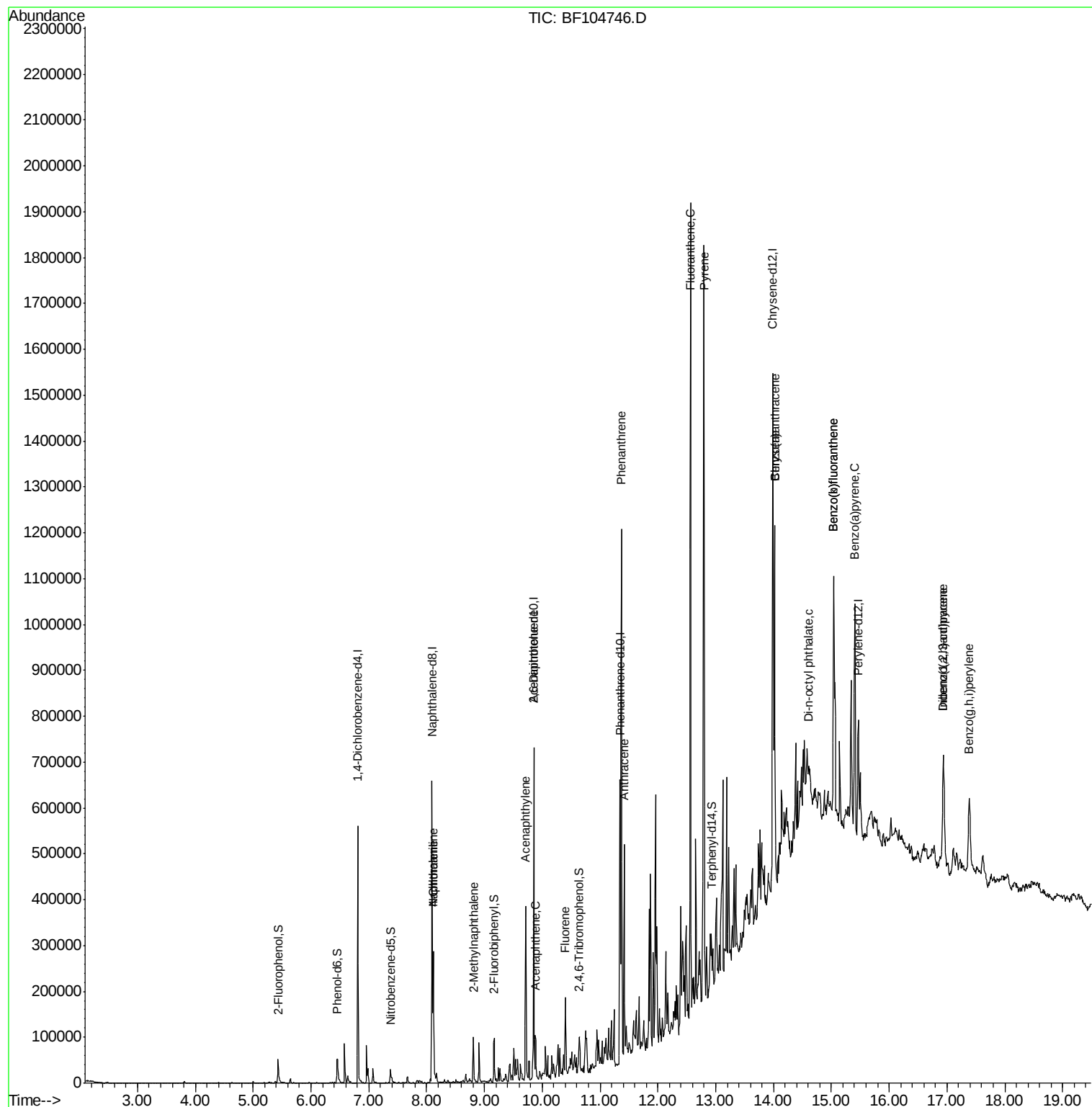
Target Compounds				Qvalue		
9) Benzaldehyde	6.58	77	344	Below Cal		83
31) Naphthalene	8.12	128	113578	7.190 ng		98
33) 4-Chloroaniline	8.12	127	13662	2.019 ng	#	30
37) 2-Methylnaphthalene	8.81	142	28664	2.805 ng		94
48) Acenaphthylene	9.72	152	168042	12.315 ng		99
50) 2,6-Dinitrotoluene	9.85	165	18111	9.470 ng	#	27
51) Acenaphthene	9.88	154	20416	2.452 ng		99
57) Fluorene	10.40	166	49113	5.816 ng		100
70) Phenanthrene	11.37	178	390361	30.739 ng		98
71) Anthracene	11.42	178	183880	14.245 ng		99
74) Fluoranthene	12.56	202	700413	52.790 ng		99
76) Benzidine	12.65	184	764	Below Cal	#	1
77) Pvrene	12.80	202	703849	65.029 ng		99
80) Benzo(a)anthracene	14.02	228	308514	35.366 ng		94
82) Chrysene	14.02	228	308514	34.431 ng		98
84) Di-n-octyl phthalate	14.61	149	49552	4.522 ng	#	75
85) Indeno(1,2,3-cd)pvrene	16.94	276	138485	18.194 ng	#	92
87) Benzo(b)fluoranthene	15.04	252	415547	58.878 ng	#	95
88) Benzo(k)fluoranthene	15.04	252	415547	62.365 ng	#	96
89) Benzo(a)pvrene	15.41	252	242777	38.445 ng		95
90) Dibenzo(a,h)anthracene	16.94	278	38171	7.360 ng	#	77
91) Benzo(g,h,i)perylene	17.39	276	136315	27.128 ng		96

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104746.D
Acq On : 24 Apr 2018 9:36
Operator : JU/SJ
Sample : J2497-02 20X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 24 11:09:34 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration



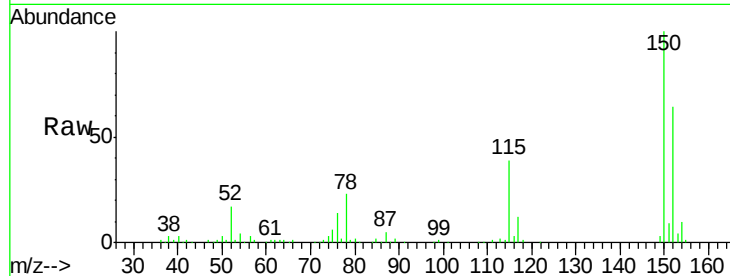


#1

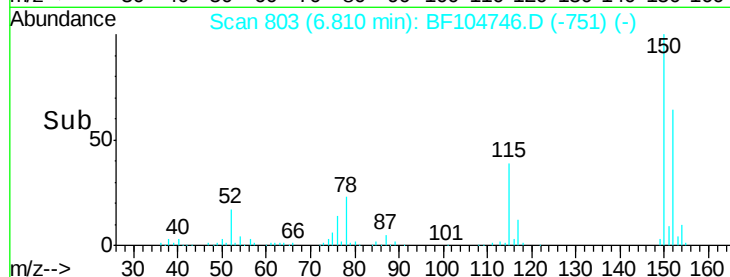
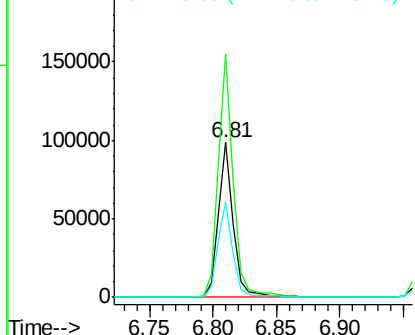
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 83521
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 61.3 50.1 75.1



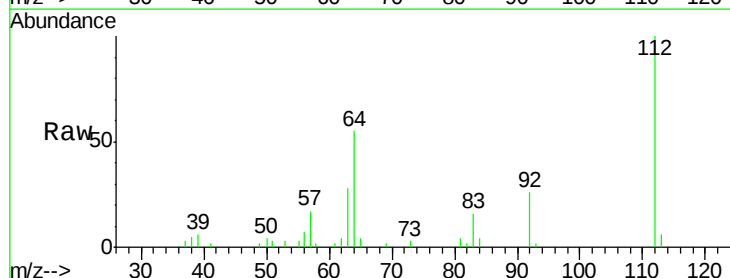
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



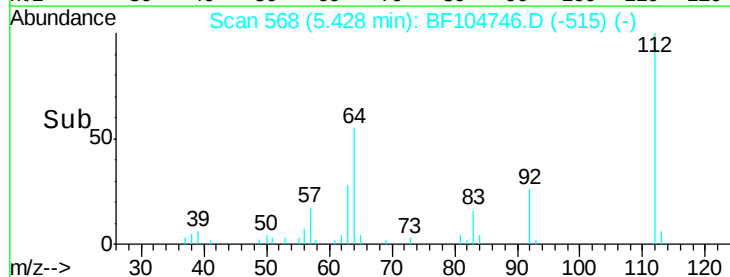
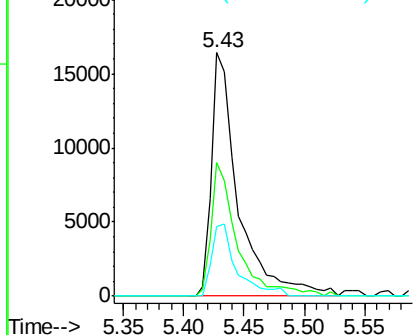
#5

2-Fluorophenol
Concen: 4.605 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Tgt Ion:112 Resp: 25151
Ion Ratio Lower Upper
112 100
64 54.9 47.9 71.9
63 28.4 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: 4.554 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Instrument :

BNA_F

ClientSampled :

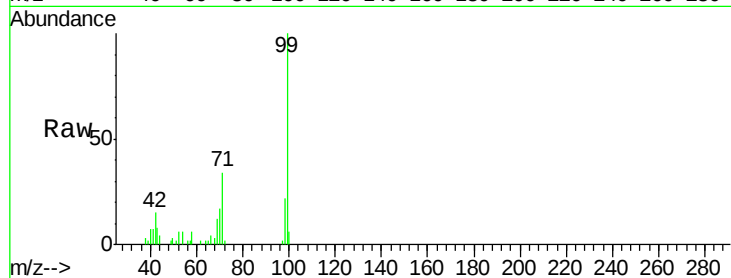
Tot Ion: 99 Resp: 30565

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

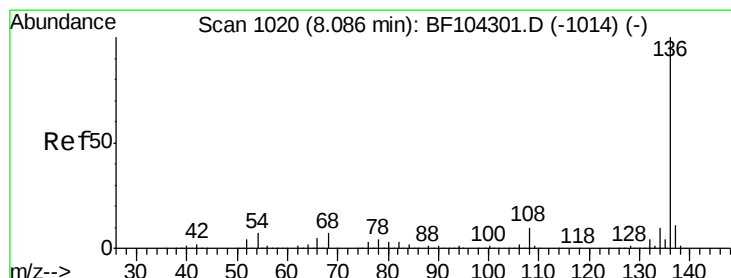
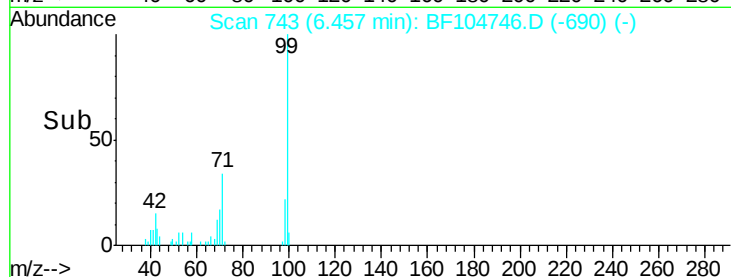
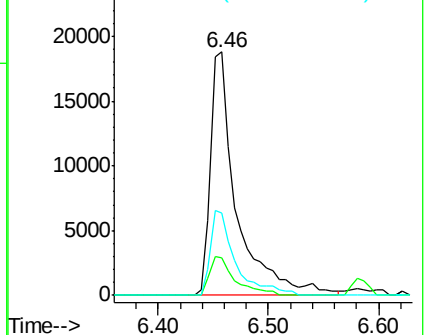
71 33.8 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Tgt Ion: 136 Resp: 317256

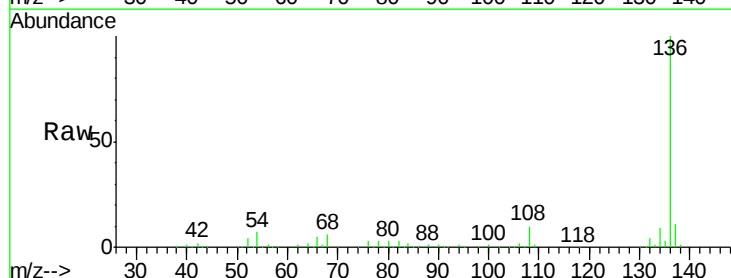
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.2 6.6 9.8

68 6.4 5.0 7.4

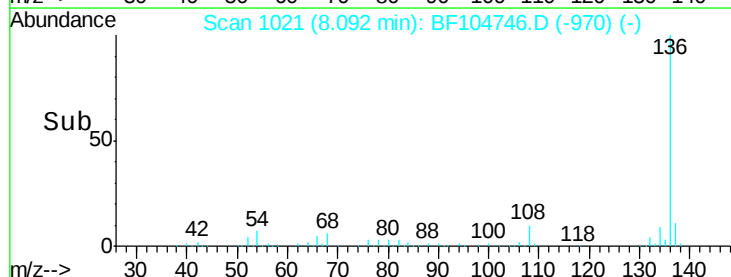
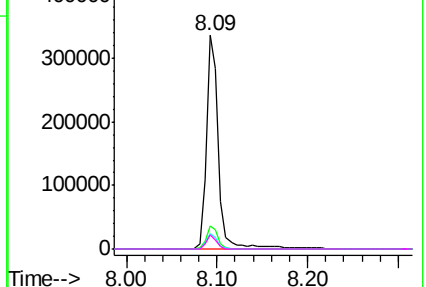


Abundance Ion 136.00 (135.70 to 136.70): E

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

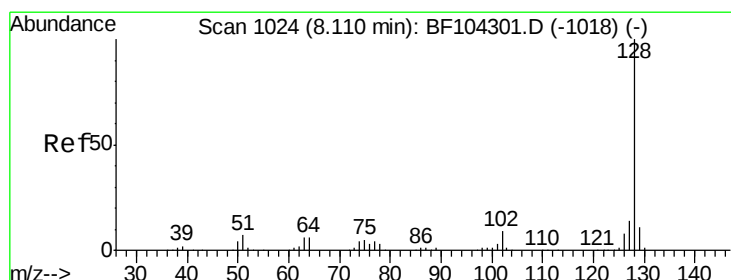
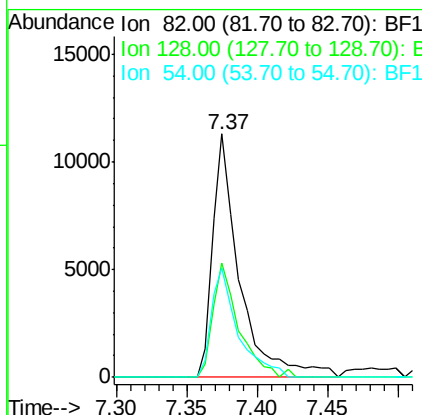
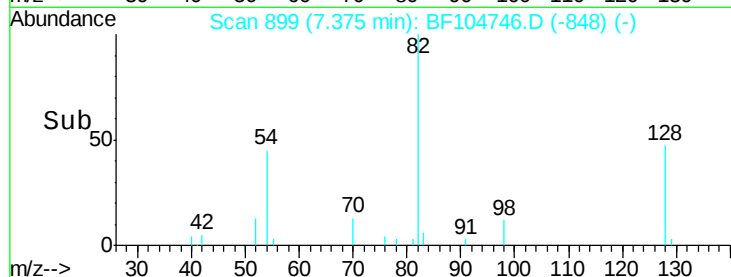
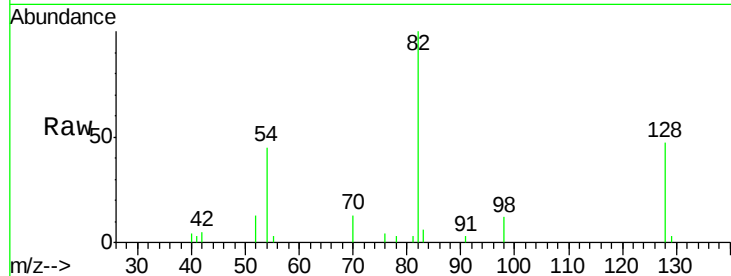




#23
 Nitrobenzene-d5
 Concen: 3.078 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

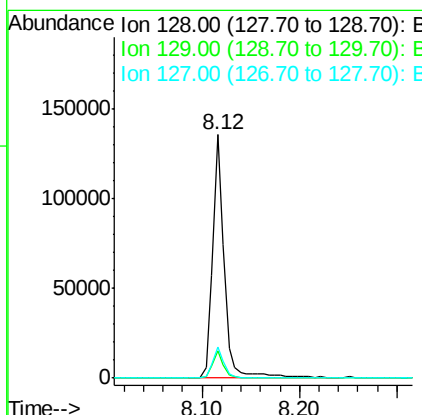
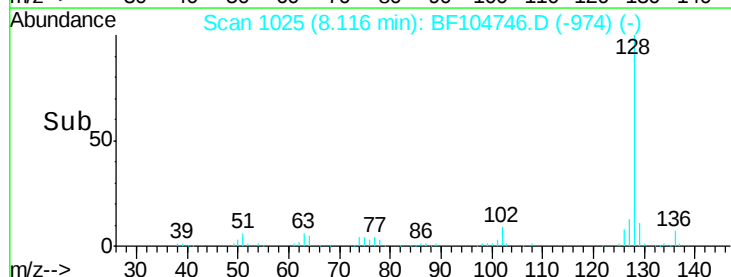
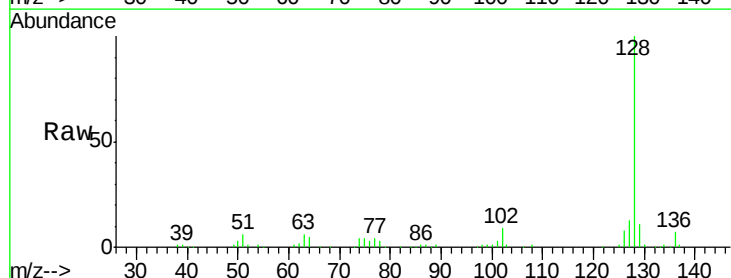
Instrument :
 BNA_F
 ClientSampleID :

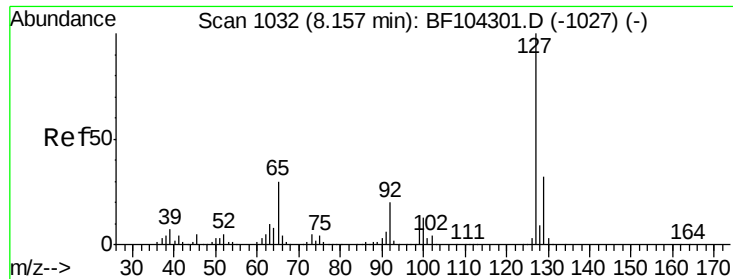
Tot Ion: 82 Resp: 14954
 Ion Ratio Lower Upper
 82 100
 128 47.0 36.1 54.1
 54 45.0 41.4 62.2



#31
 Naphthalene
 Concen: 7.190 ng
 RT: 8.12 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

Tgt Ion: 128 Resp: 113578
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.8 13.2
 127 12.5 10.9 16.3

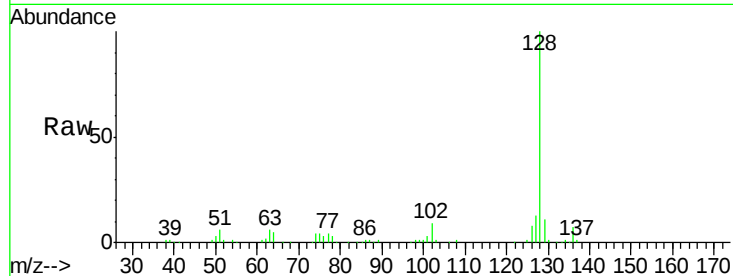




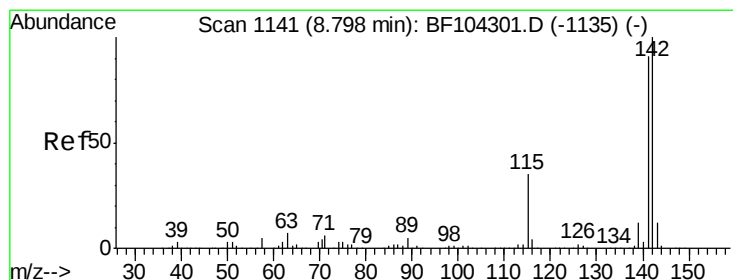
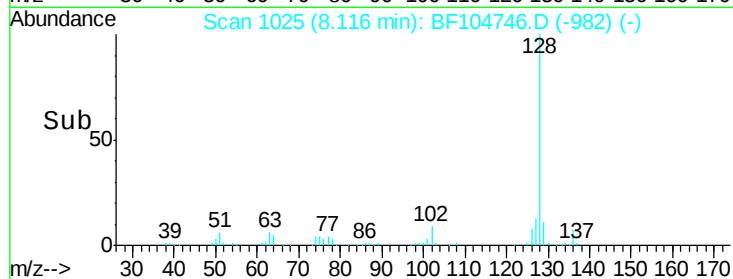
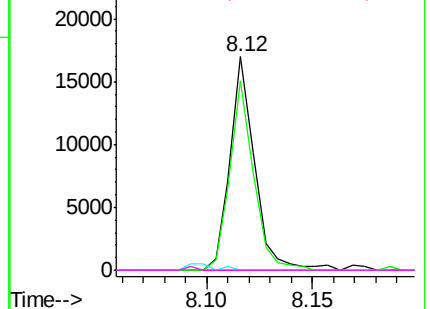
#33
4-Chloroaniline
Concen: 2.019 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.05 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	13662
Ion	Ratio	Lower	Upper
127	100		
129	88.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

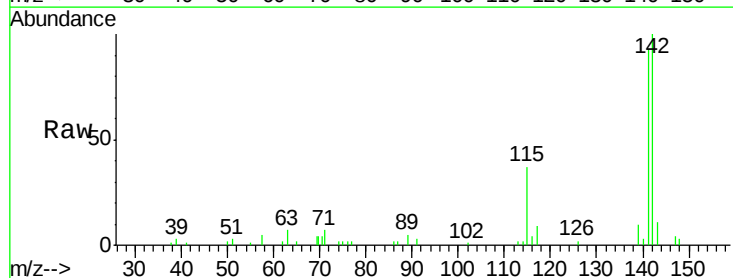


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

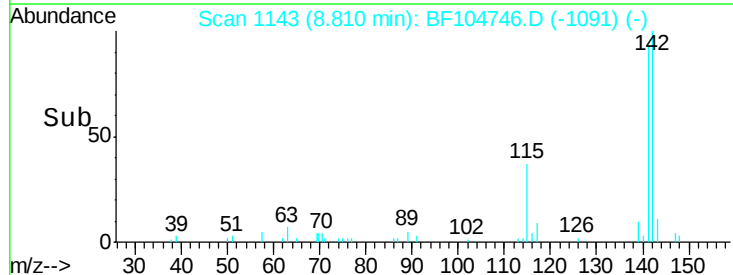
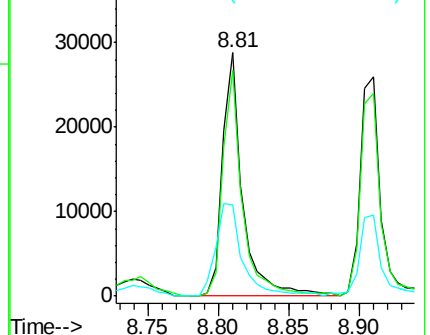


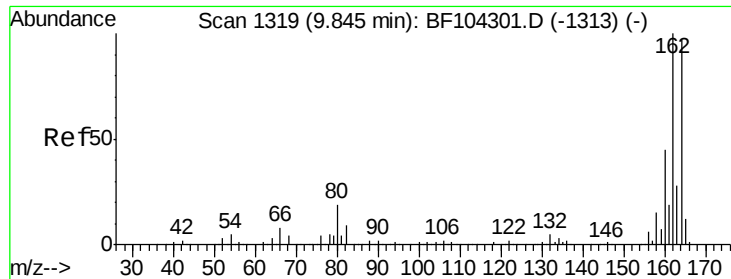
#37
2-Methylnaphthalene
Concen: 2.805 ng
RT: 8.81 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Tgt Ion:	142	Resp:	28664
Ion	Ratio	Lower	Upper
142	100		
141	92.9	70.8	106.2
115	37.5	26.1	39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

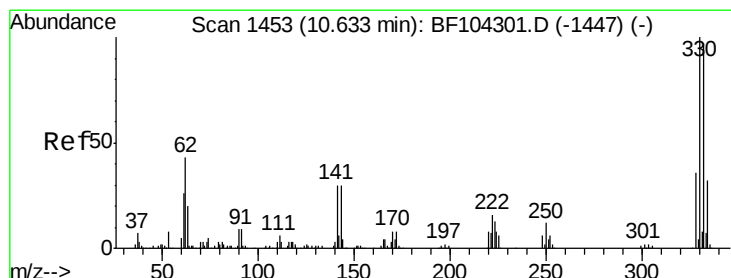
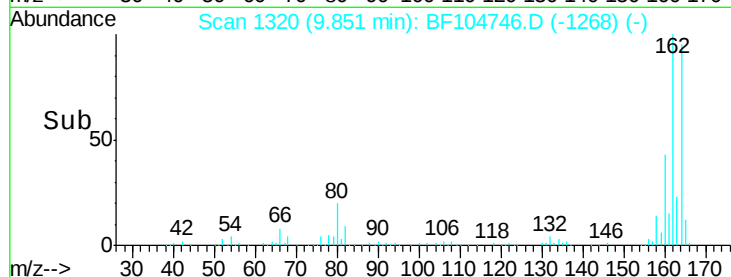
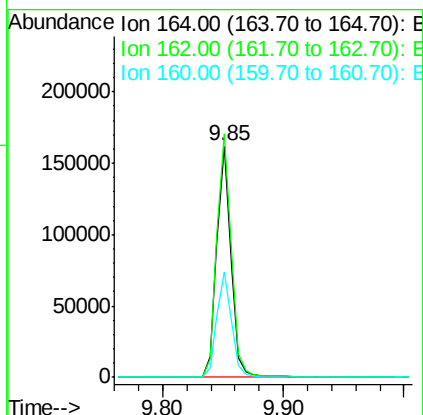
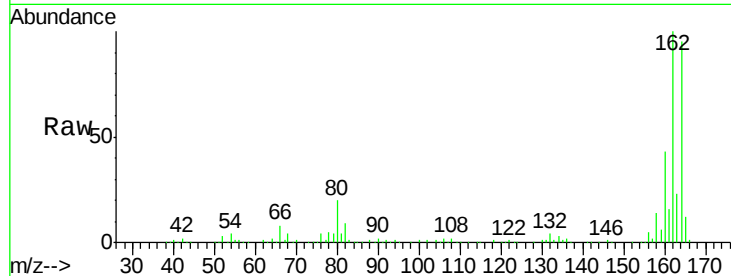




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

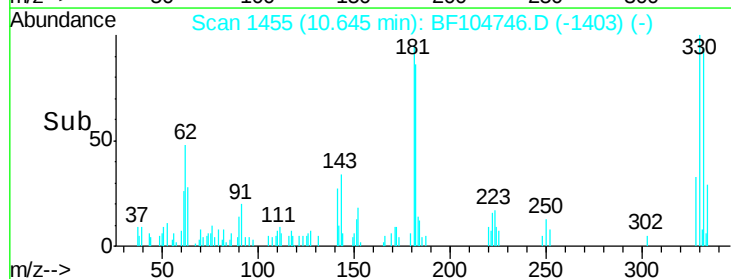
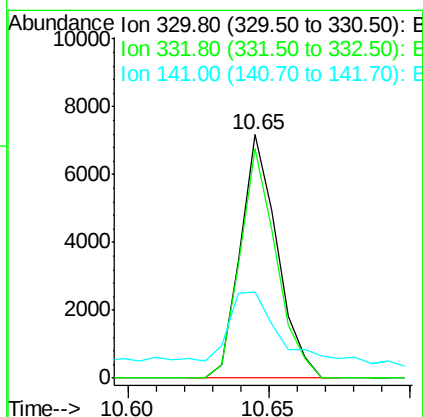
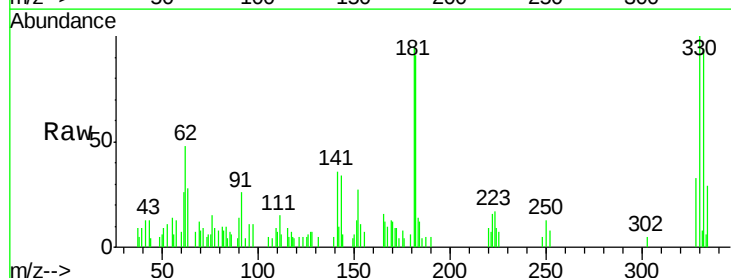
Instrument :
BNA_F
ClientSampleId :

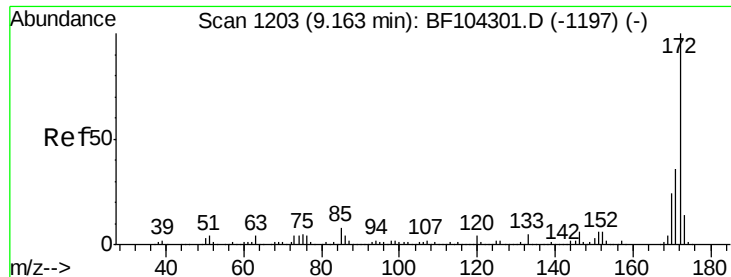
Tot Ion:164 Resp: 131069
Ion Ratio Lower Upper
164 100
162 105.3 86.1 129.1
160 45.3 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 4.794 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Tgt Ion:330 Resp: 6518
Ion Ratio Lower Upper
330 100
332 92.4 77.0 115.6
141 69.4 29.9 44.9#



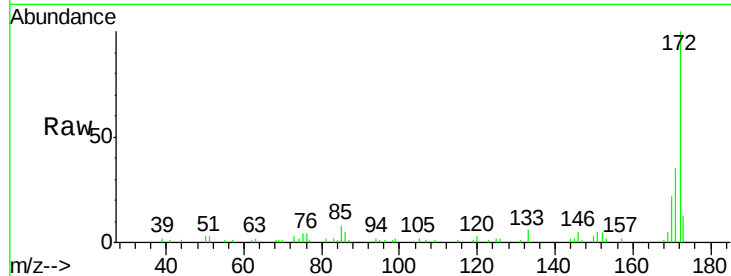


#44
 2-Fluorobiphenyl
 Concen: 3.913 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

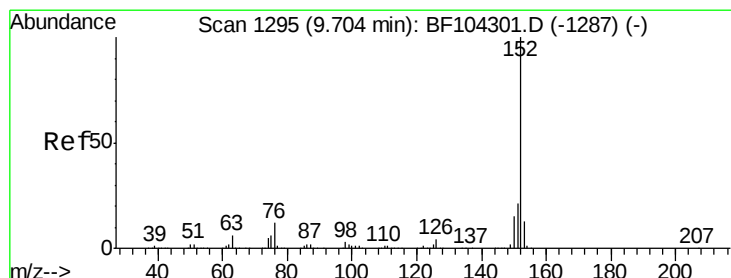
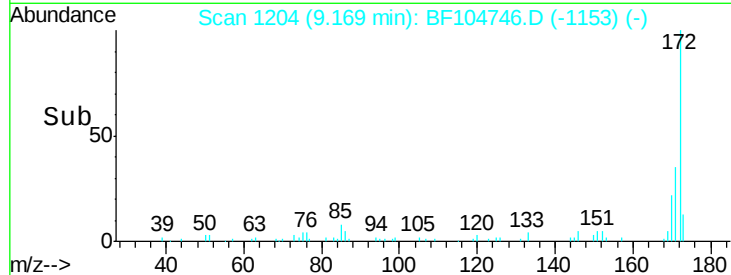
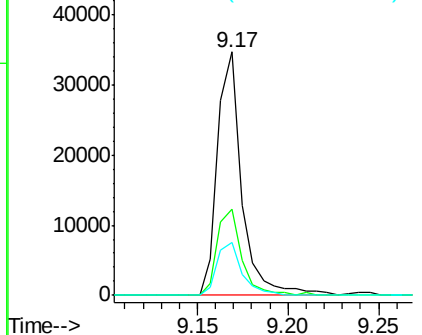
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 32467

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	22.0	19.6	29.4



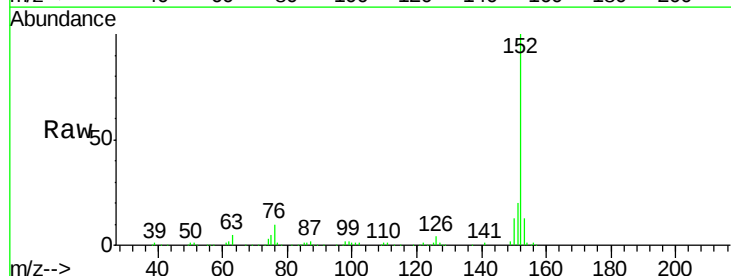
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



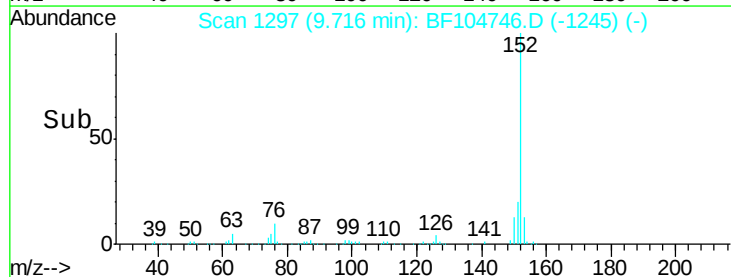
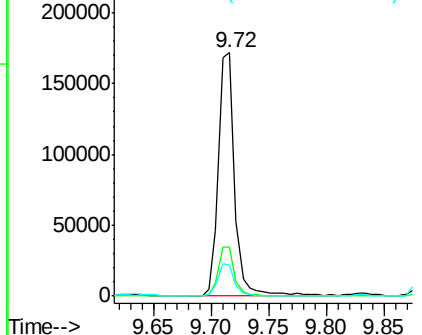
#48
 Acenaphthylene
 Concen: 12.315 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

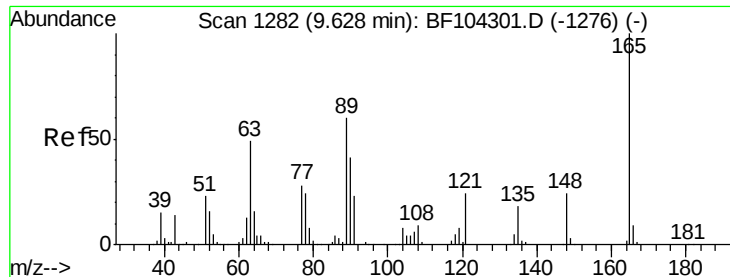
Tgt Ion:152 Resp: 168042

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.3	24.5
153	12.6	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

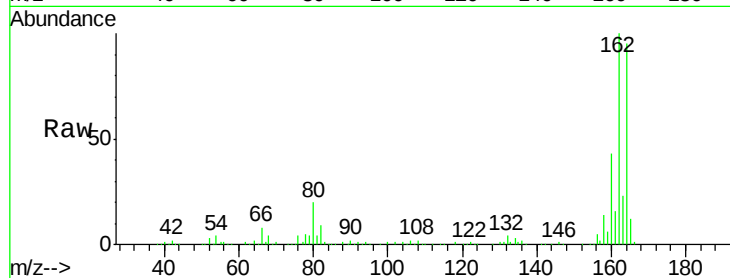




#50
 2,6-Dinitrotoluene
 Concen: 9.470 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

Instrument :
 BNA_F
 ClientSampled :

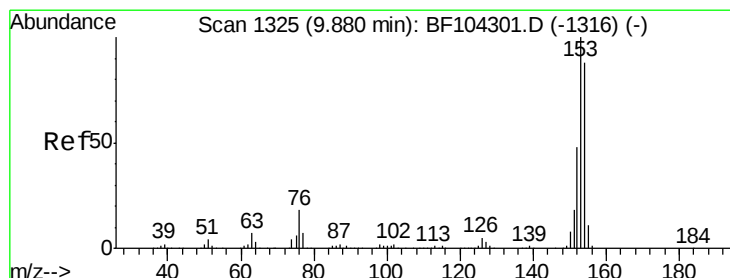
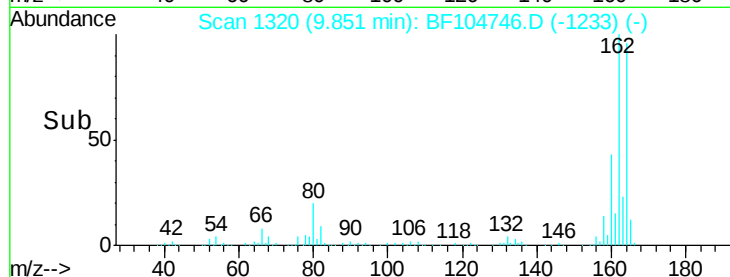
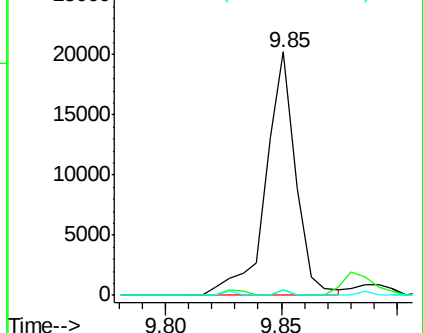
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.7	67.1#
89	2.3	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

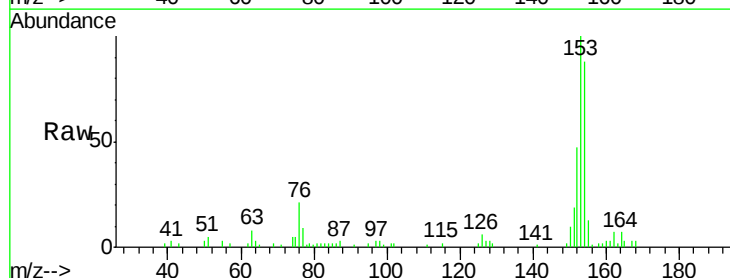
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#51
 Acenaphthene
 Concen: 2.452 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

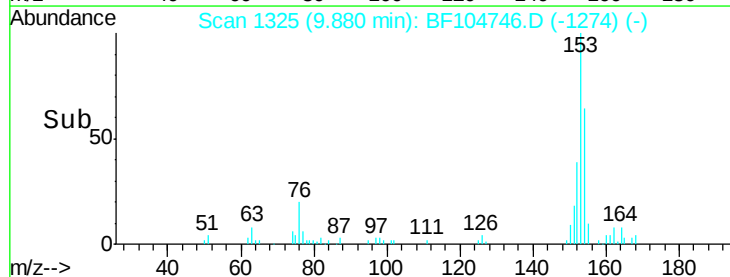
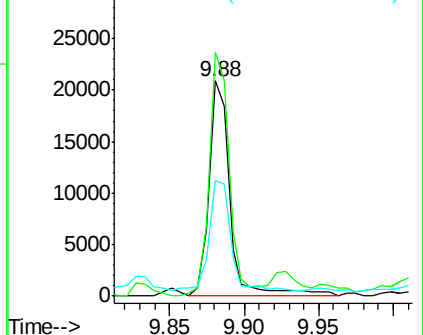
Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.1	91.2	136.8
152	53.6	43.8	65.8

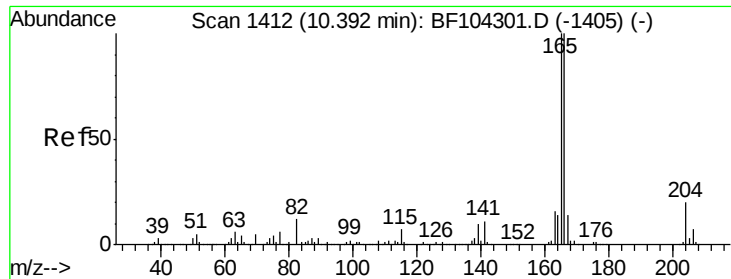


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

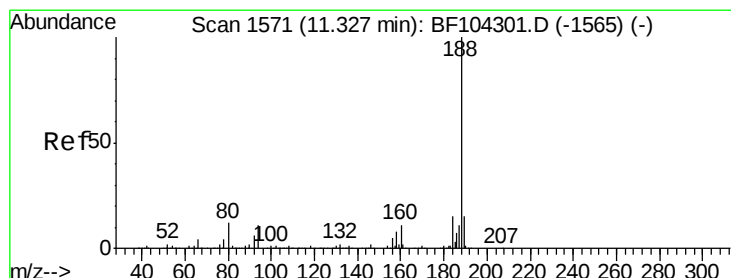
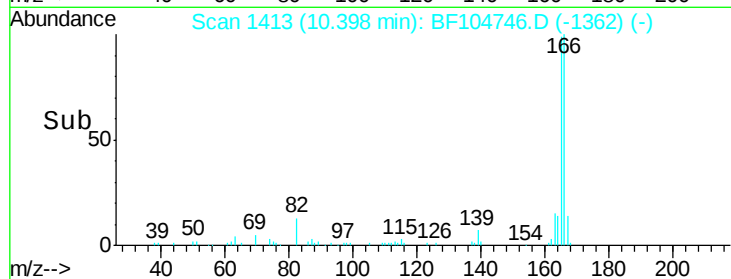
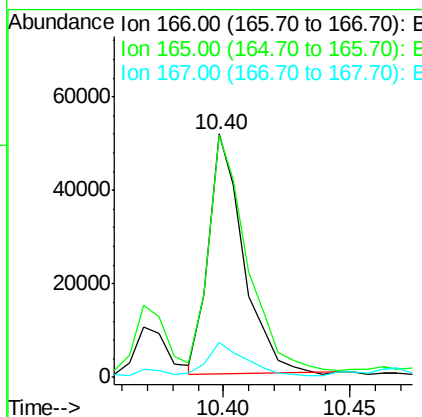
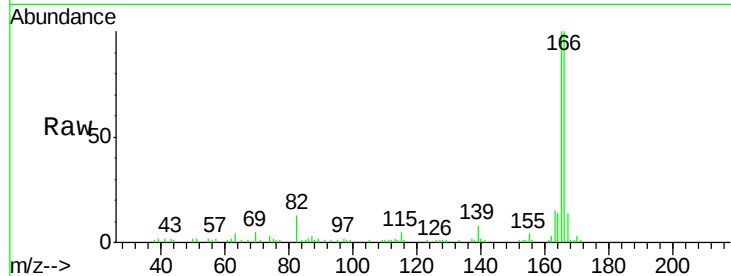




#57
 Fluorene
 Concen: 5.816 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

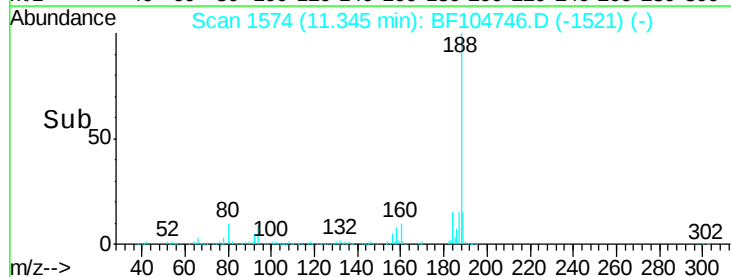
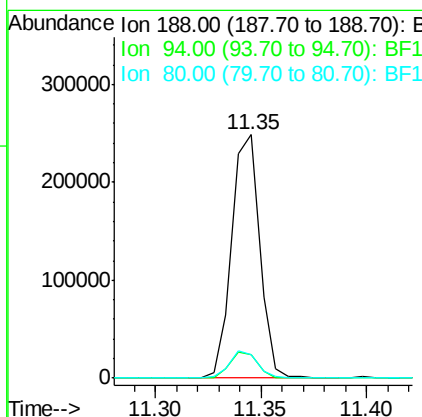
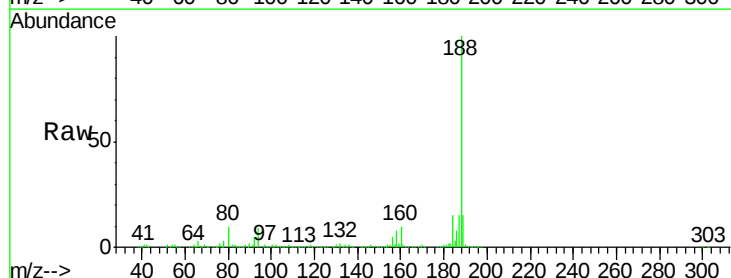
Instrument :
 BNA_F
 ClientSampleId :

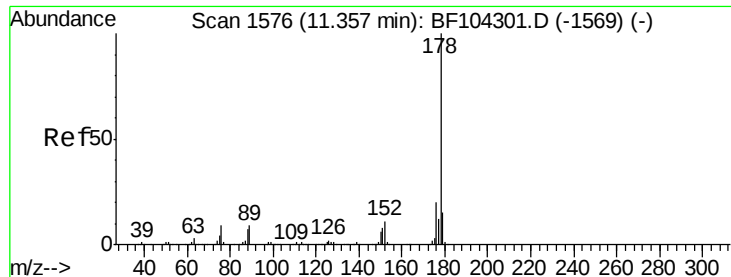
Tot Ion:166 Resp: 49113
 Ion Ratio Lower Upper
 166 100
 165 99.6 79.8 119.8
 167 14.3 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

Tgt Ion:188 Resp: 228033
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 9.7 9.2 13.8

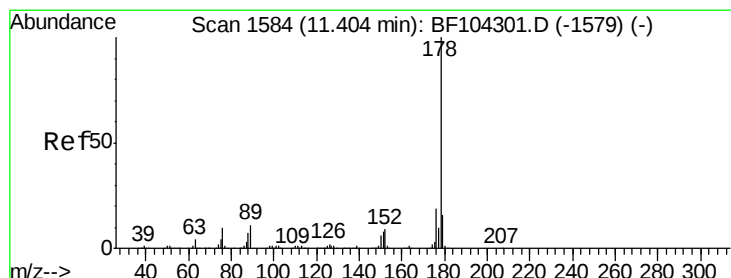
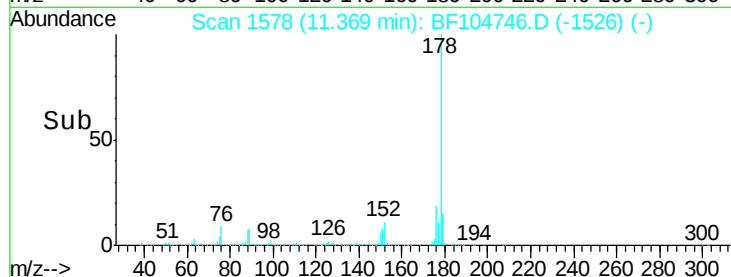
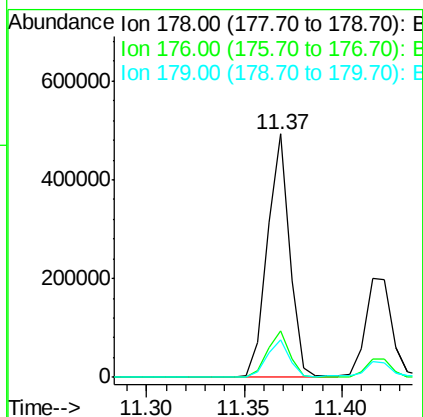
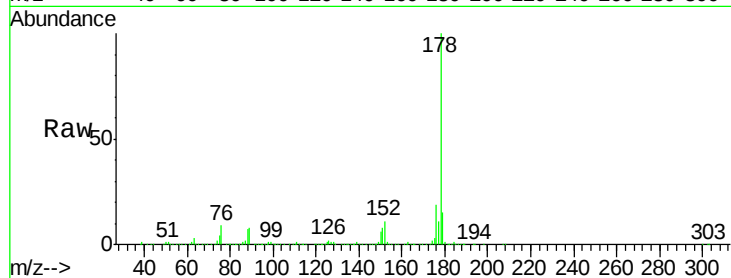




#70
Phenanthrene
Concen: 30.739 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.01 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

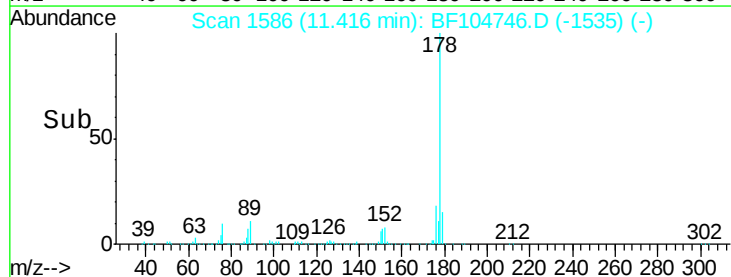
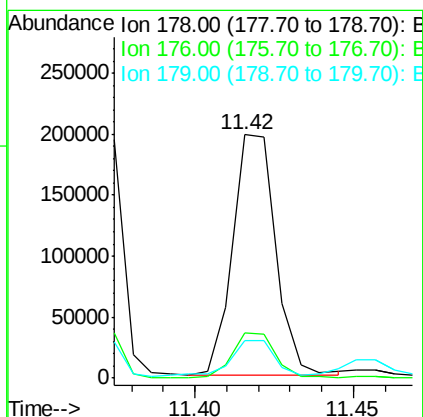
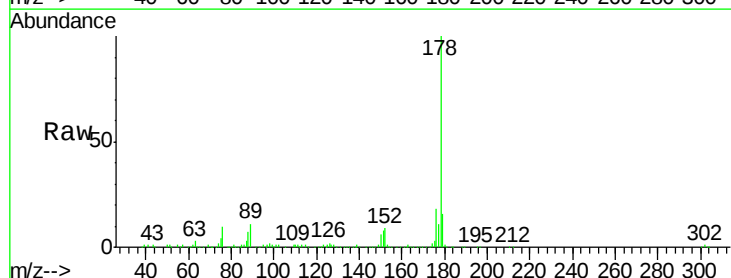
Instrument :
BNA_F
ClientSampleId :

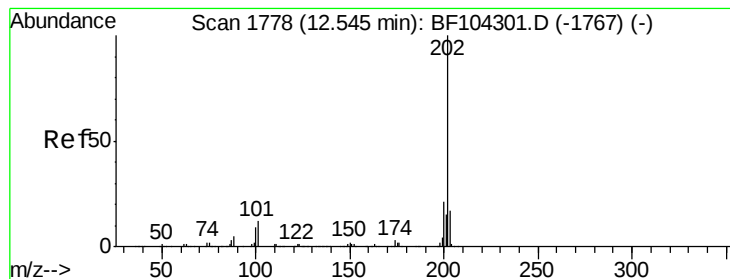
Tot Ion:178 Resp: 390361
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.4 13.0 19.6



#71
Anthracene
Concen: 14.245 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Tgt Ion:178 Resp: 183880
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.5 12.6 19.0





#74

Fluoranthene

Concen: 52.790 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Instrument :

BNA_F

ClientSampled :

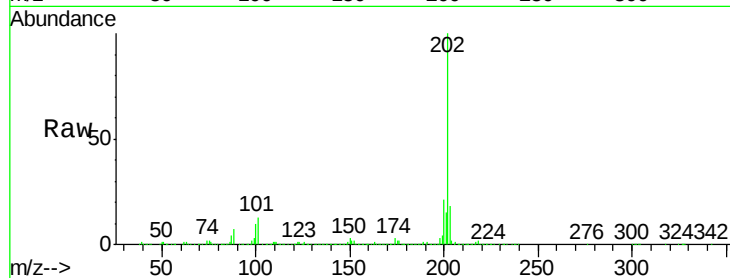
Tot Ion:202 Resp: 700413

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

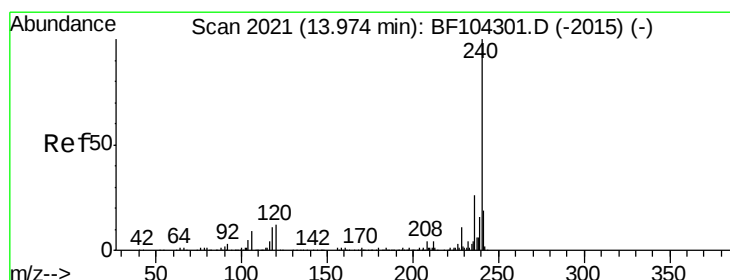
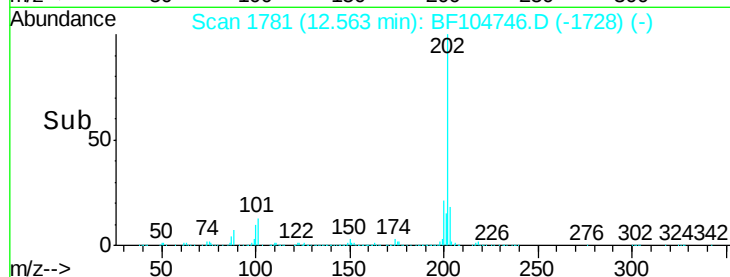
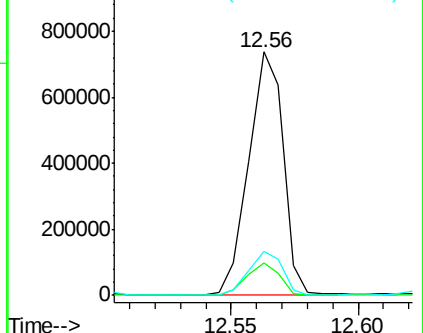
203 18.3 0.0 38.1



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: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

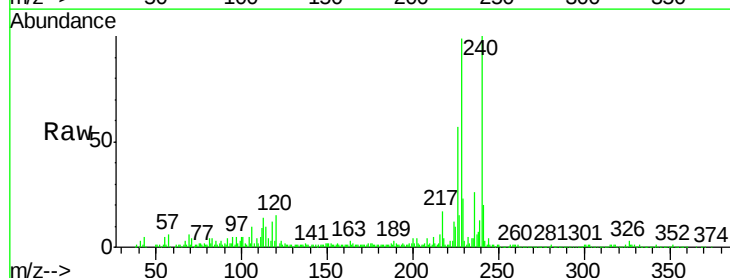
Tgt Ion:240 Resp: 146021

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

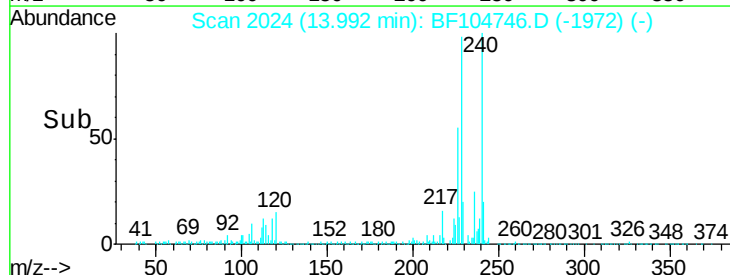
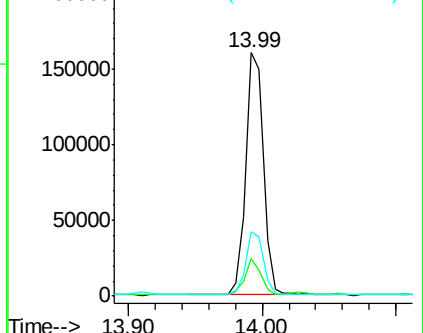
236 26.4 20.7 31.1

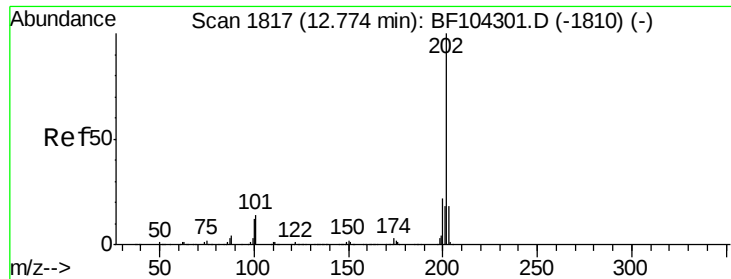


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

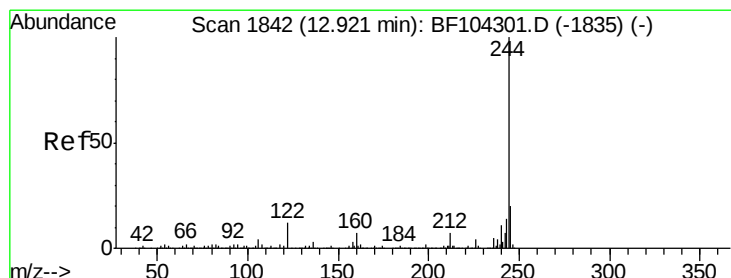
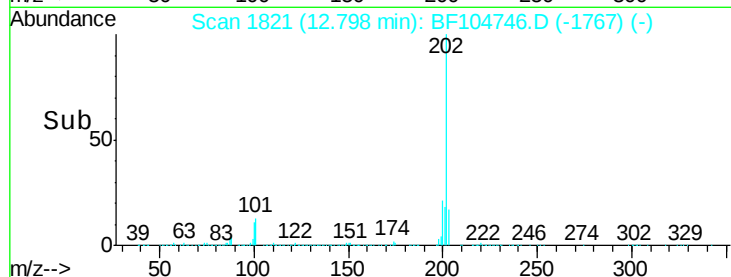
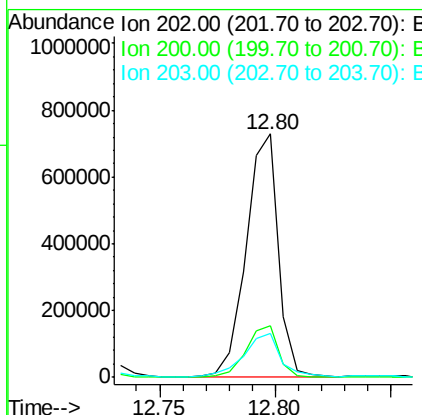
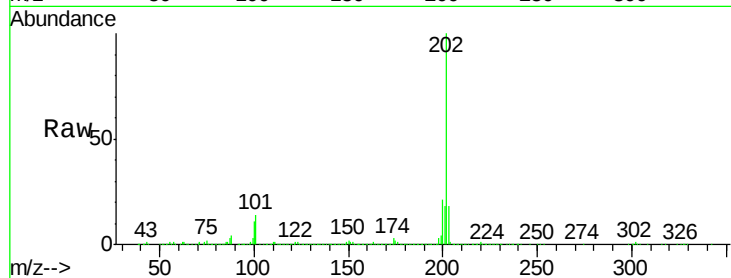




#77
Pvrene
Concen: 65.029 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.02 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

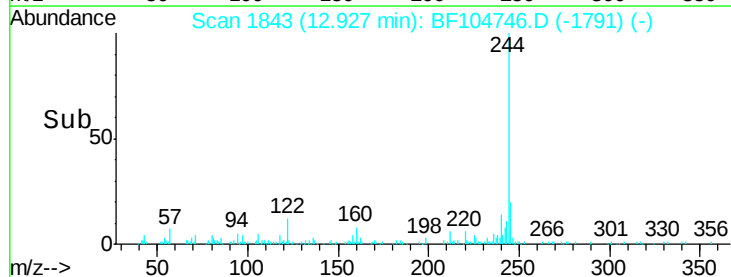
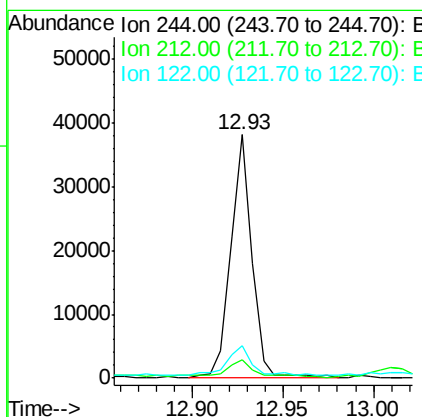
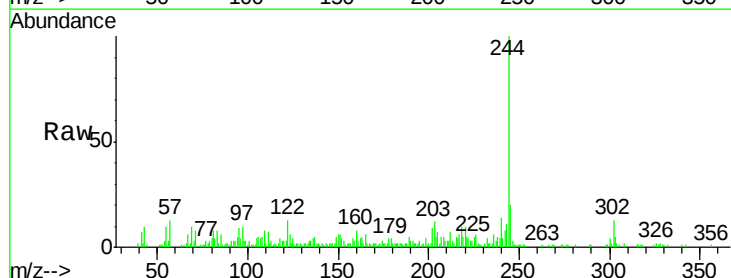
Instrument :
BNA_F
ClientSampleId :

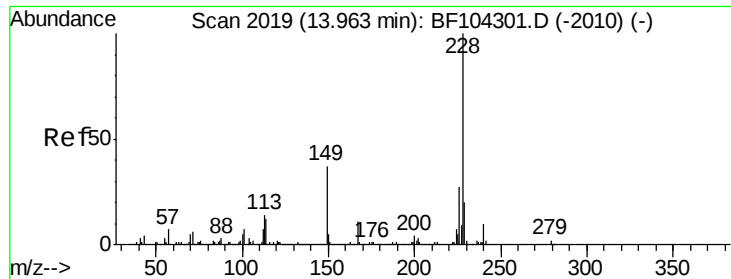
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.0	14.3	21.5



#78
Terphenyl-d14
Concen: 4.889 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.01 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	13.3	11.0	16.4





#80

Benzo(a)anthracene

Concen: 35.366 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.05 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Instrument :

BNA_F

ClientSampleId :

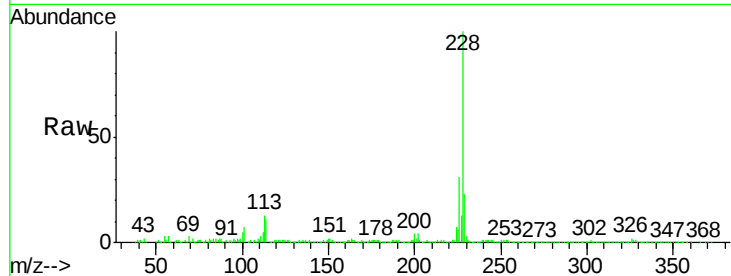
Tot Ion:228 Resp: 308514

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

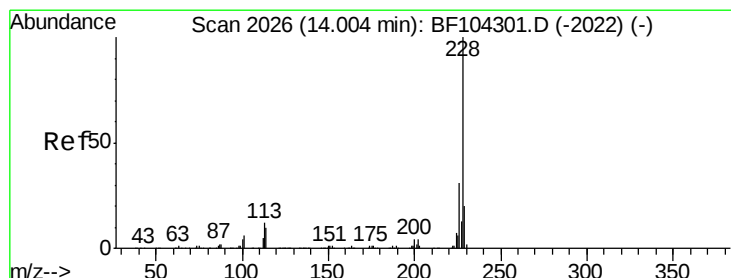
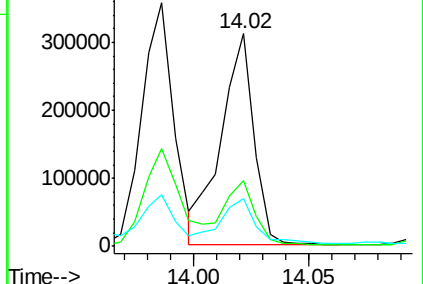
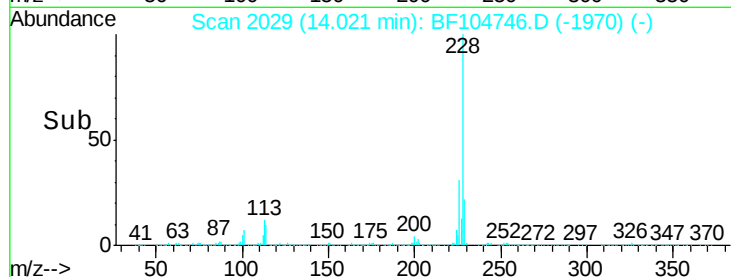
229 22.7 15.8 23.6



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: 34.431 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

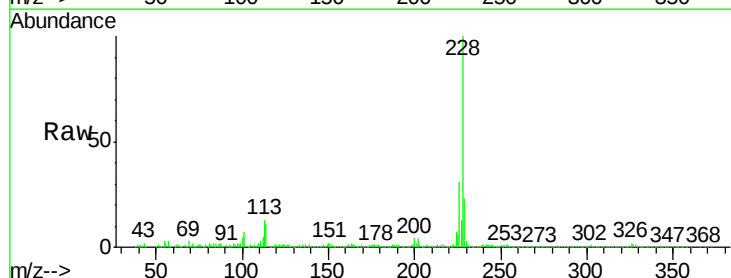
Tgt Ion:228 Resp: 308514

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

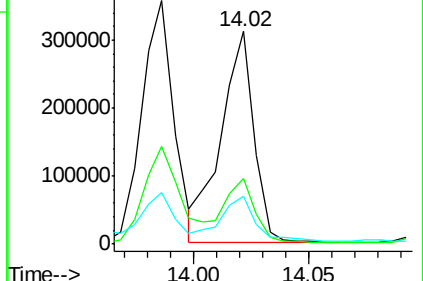
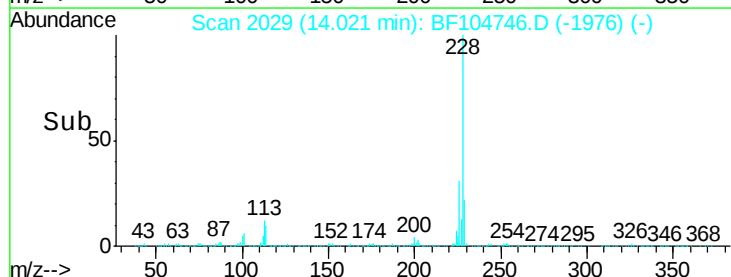
229 22.7 16.2 24.4

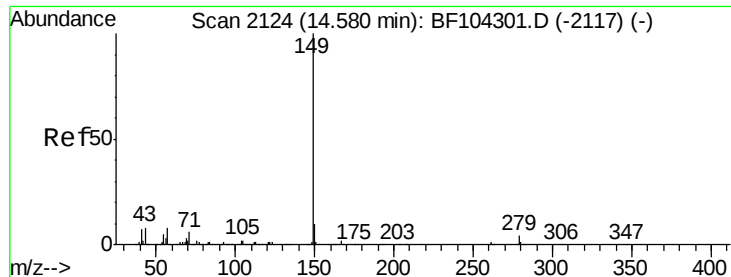


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

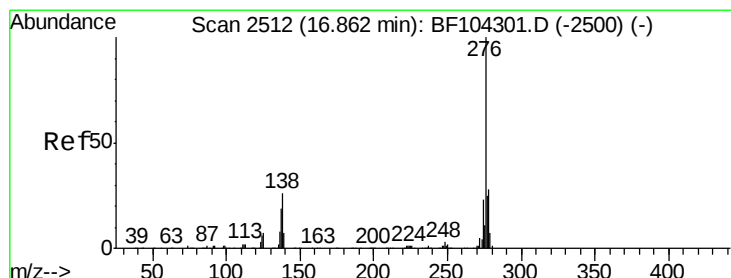
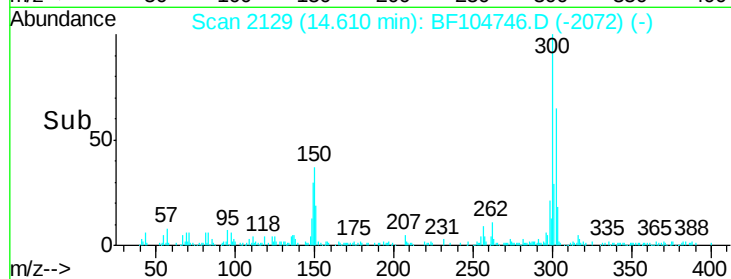
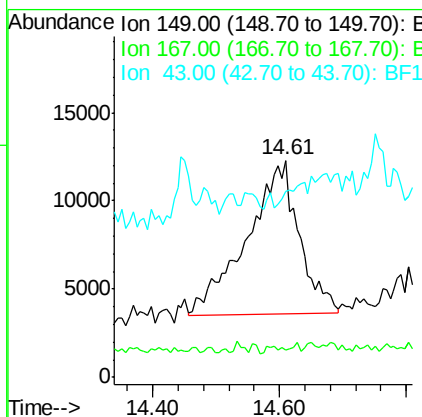
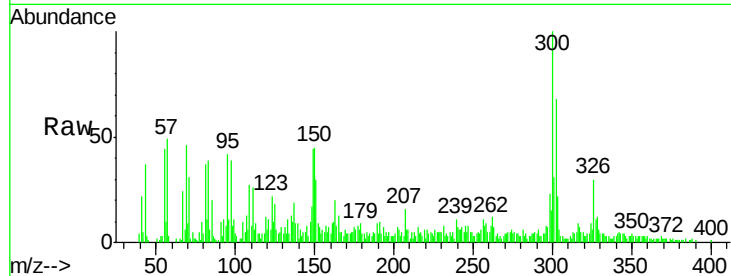




#84
Di-n-octyl phthalate
Concen: 4.522 ng
RT: 14.61 min Scan# 2129
Delta R.T. 0.04 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

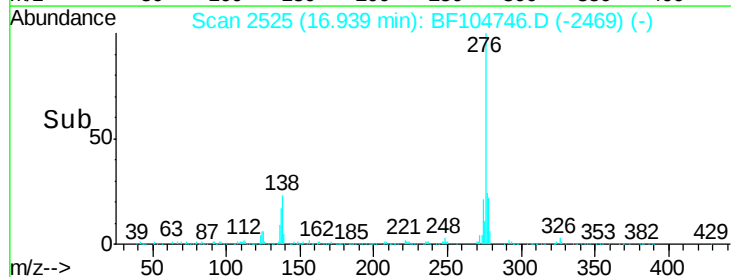
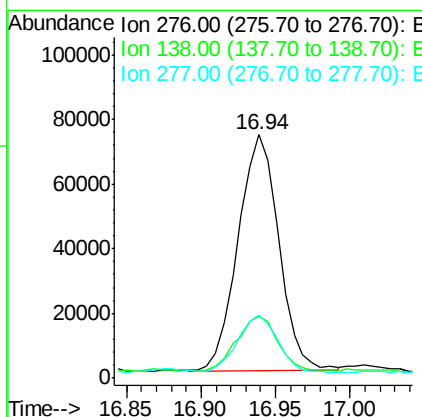
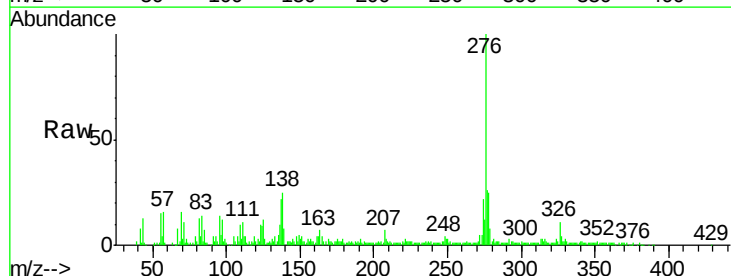
Instrument :
BNA_F
ClientSampleId :

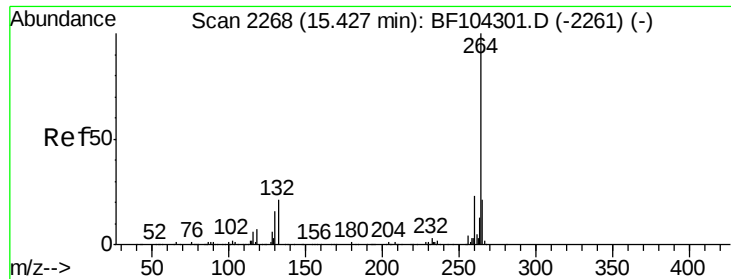
Tot Ion:149 Resp: 49552
Ion Ratio Lower Upper
149 100
167 0.6 1.2 1.8#
43 0.0 8.4 12.6#



#85
Indeno(1,2,3-cd)pyrene
Concen: 18.194 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.03 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Tgt Ion:276 Resp: 138485
Ion Ratio Lower Upper
276 100
138 23.5 25.0 37.6#
277 24.4 20.1 30.1



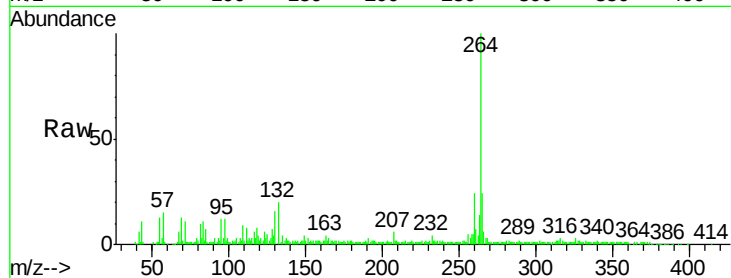


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

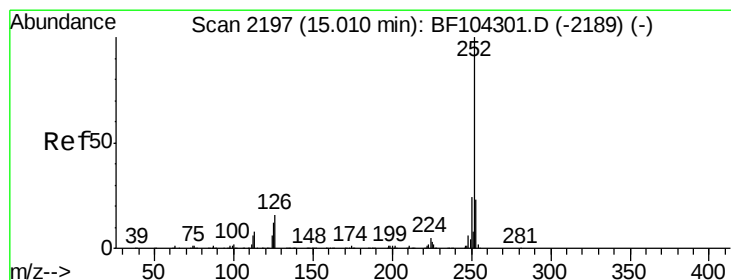
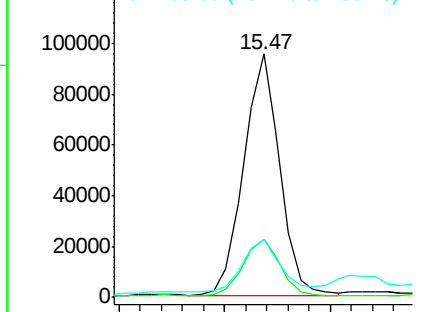
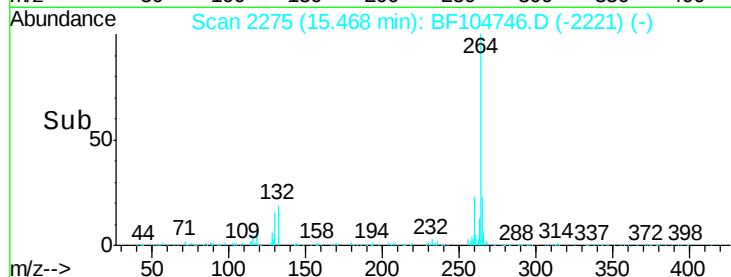
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 111747

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.6	17.5	26.3



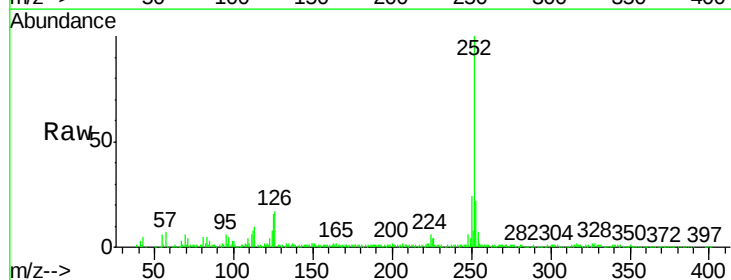
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



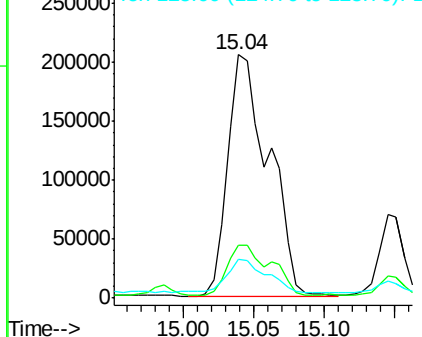
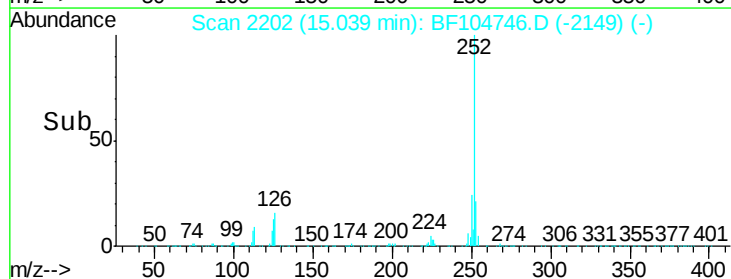
#87
Benzo(b)fluoranthene
Concen: 58.878 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

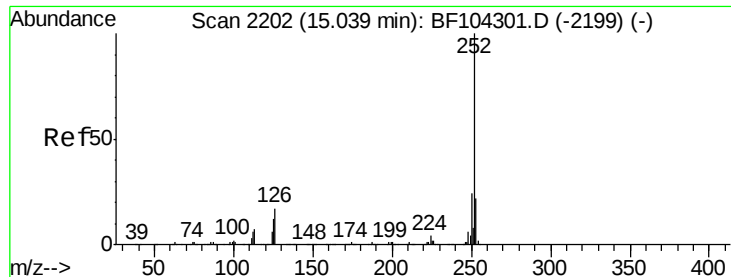
Tgt Ion:252 Resp: 415547

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	15.8	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





#88

Benzo(k)fluoranthene

Concen: 62.365 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BF104746.D

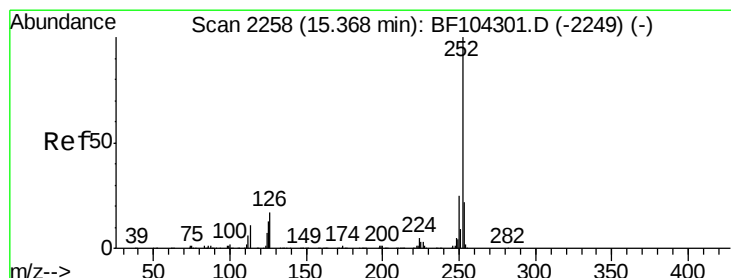
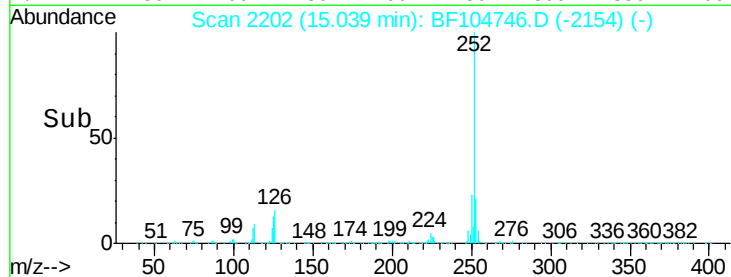
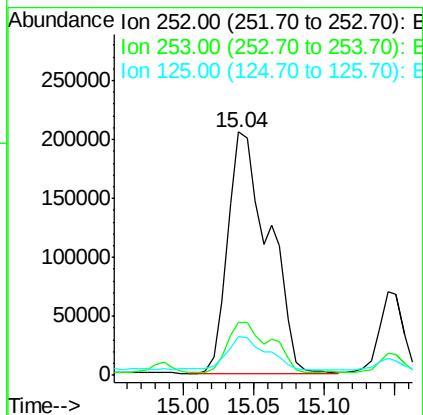
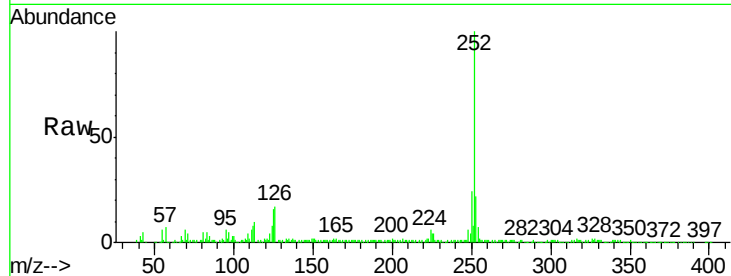
Acq: 24 Apr 2018 9:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	415547
Ion Ratio		Lower	Upper
252	100		
253	21.9	17.9	26.9
125	15.8	10.2	15.2#



#89

Benzo(a)pyrene

Concen: 38.445 ng

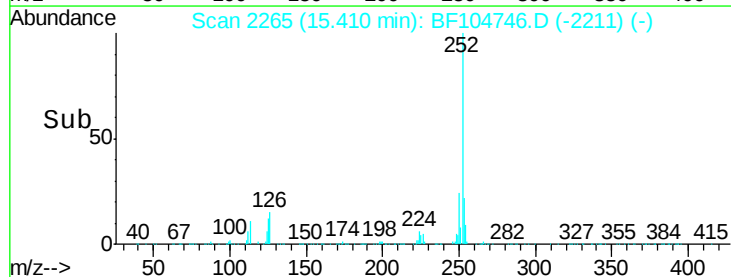
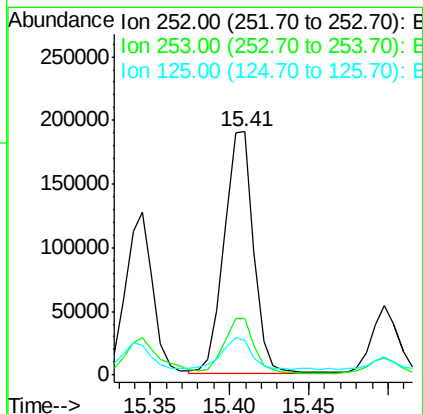
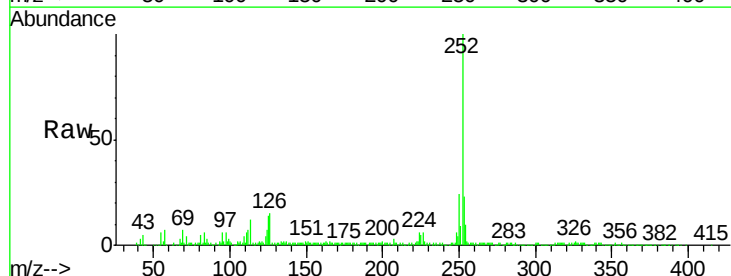
RT: 15.41 min Scan# 2265

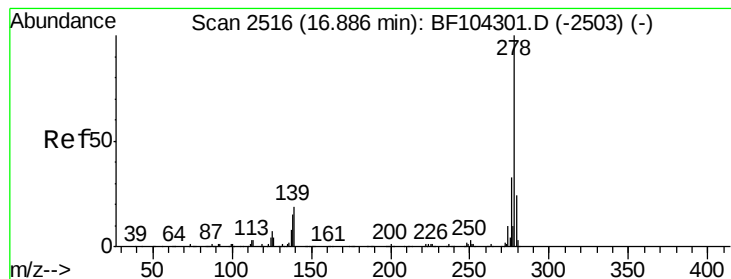
Delta R.T. 0.02 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Tgt Ion:	252	Resp:	242777
Ion Ratio		Lower	Upper
252	100		
253	23.3	17.1	25.7
125	14.4	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 7.360 ng

RT: 16.94 min Scan# 2526

Delta R.T. 0.02 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Instrument :

BNA_F

ClientSampleId :

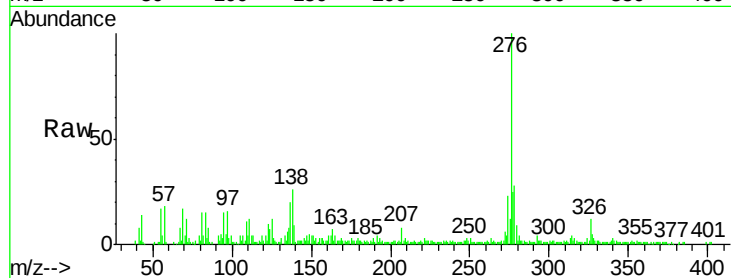
Tot Ion:278 Resp: 38171

Ion Ratio Lower Upper

278 100

139 32.2 15.9 23.9#

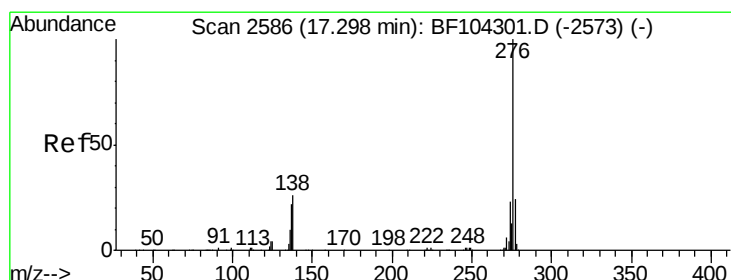
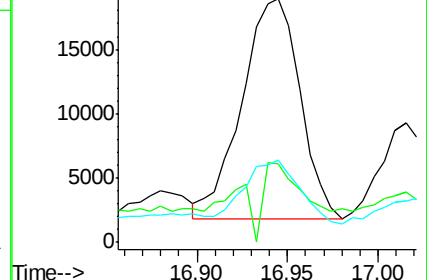
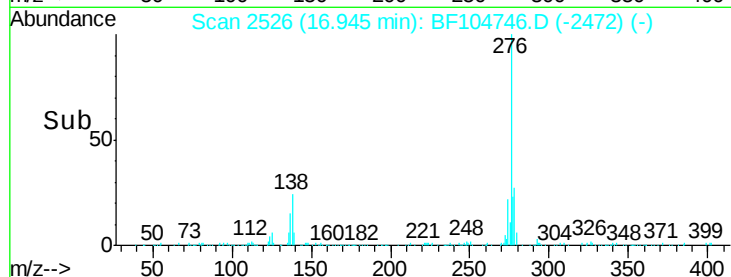
279 33.7 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 27.128 ng

RT: 17.39 min Scan# 2601

Delta R.T. 0.04 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

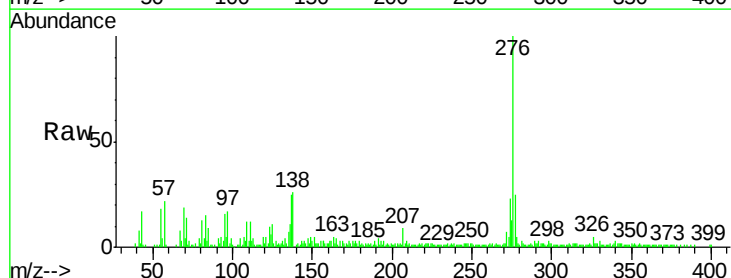
Tgt Ion:276 Resp: 136315

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 26.0 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

