

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104826.D
 Acq On : 26 Apr 2018 9:14
 Operator : JU/SJ
 Sample : J2497-05DL 20X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 10:38:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111598	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	460447	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	201037	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	298189	20.00	ng	0.00
75) Chrysene-d12	13.98	240	219647	20.00	ng	0.00
86) Perylene-d12	15.44	264	183403	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	5480	0.75	ng	0.00
7) Phenol-d6	6.45	99	7466	0.83	ng	0.00
23) Nitrobenzene-d5	7.37	82	4655	0.66	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	1246	0.60	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	11112	0.87	ng	0.00
78) Terphenyl-d14	12.91	244	8529	0.89	ng	-0.01

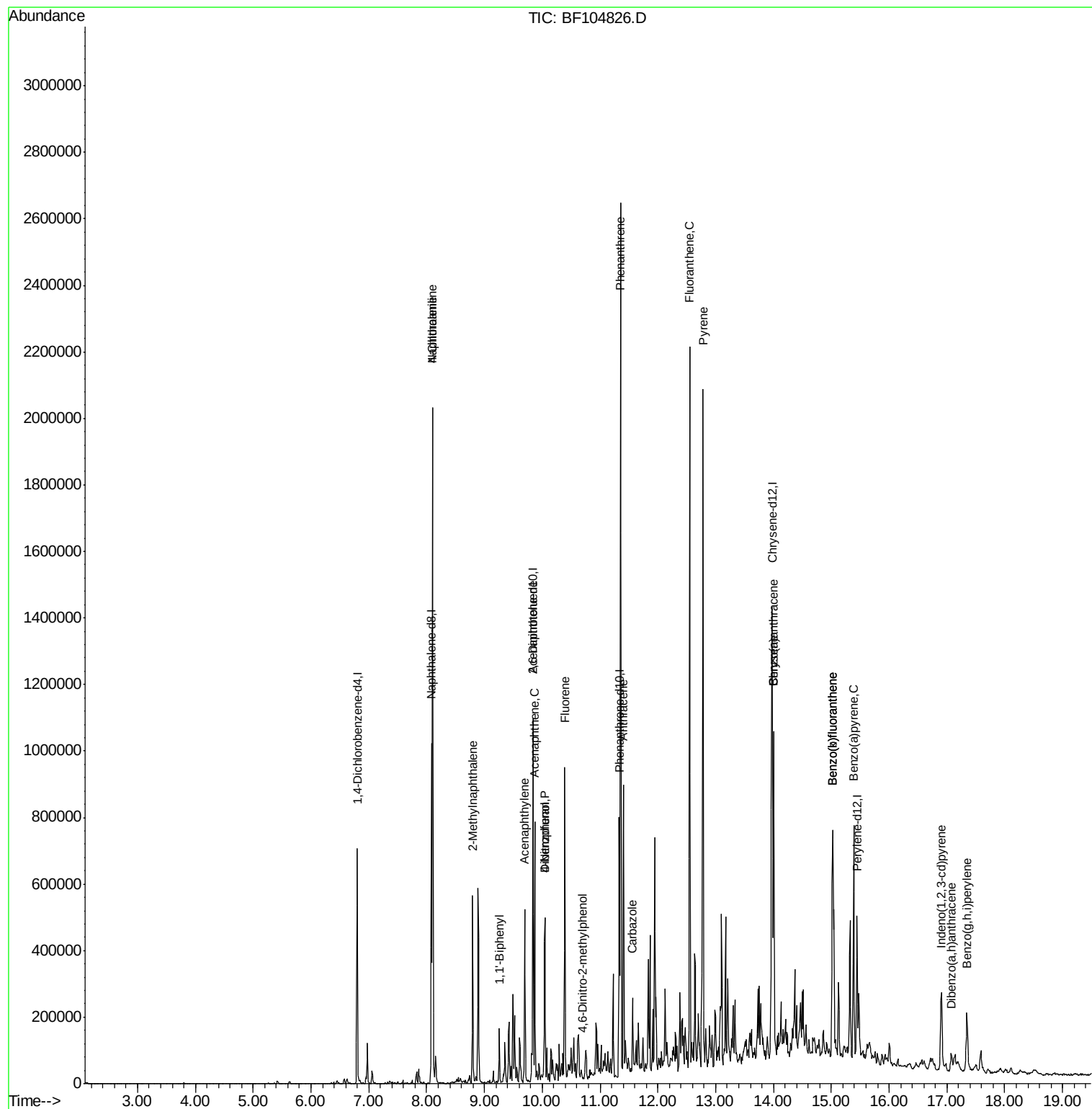
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	138	Below Cal		# 1
31) Naphthalene	8.10	128	887526	38.710	ng	99
33) 4-Chloroaniline	8.10	127	119473	12.163	ng	# 35
37) 2-Methylnaphthalene	8.80	142	167375	11.286	ng	99
45) 1,1'-Biphenyl	9.26	154	50668	3.000	ng	96
48) Acenaphthylene	9.70	152	183190	8.753	ng	99
50) 2,6-Dinitrotoluene	9.84	165	30733	10.477	ng	# 26
51) Acenaphthene	9.87	154	165305	12.945	ng	99
54) Dibenzofuran	10.05	168	172596	9.698	ng	100
55) 4-Nitrophenol	10.05	139	66716	24.731	ng	# 10
57) Fluorene	10.39	166	256182	19.777	ng	98
64) 4,6-Dinitro-2-methylphenol	10.70	198	139	7.428	ng	# 39
70) Phenanthrene	11.36	178	948639	57.126	ng	99
71) Anthracene	11.40	178	325432	19.279	ng	99
72) Carbazole	11.56	167	75304	4.565	ng	98
74) Fluoranthene	12.55	202	831965	47.952	ng	97
76) Benzidine	12.63	184	256	Below Cal		# 66
77) Pyrene	12.78	202	793390	48.731	ng	99
80) Benzo(a)anthracene	14.00	228	349483	26.633	ng	95
82) Chrysene	14.00	228	349483	25.929	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	140949	12.310	ng	# 92
87) Benzo(b)fluoranthene	15.02	252	537797	46.428	ng	97
88) Benzo(k)fluoranthene	15.02	252	537797	49.178	ng	100
89) Benzo(a)pyrene	15.39	252	308630	29.778	ng	98
90) Dibenzo(a,h)anthracene	17.07	278	35468	4.167	ng	99
91) Benzo(g,h,i)perylene	17.34	276	134898	16.357	ng	98

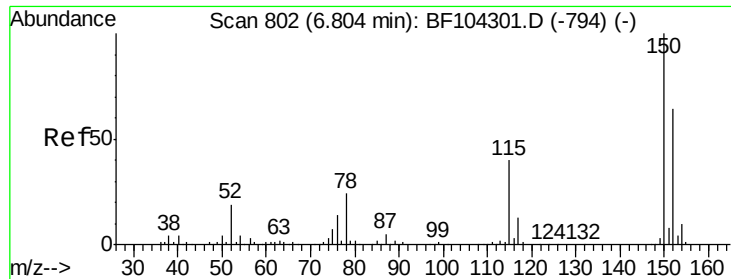
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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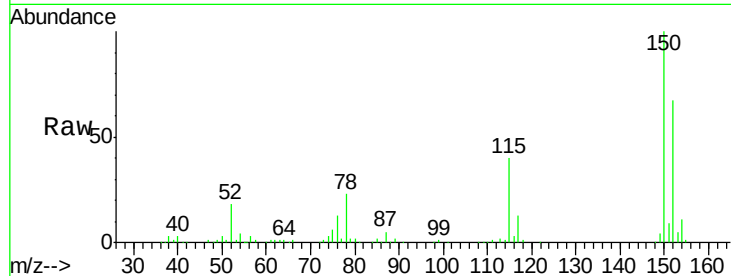




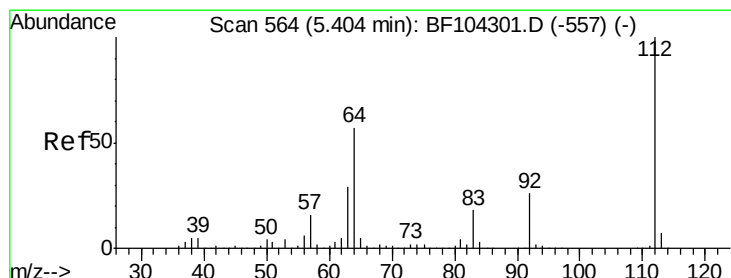
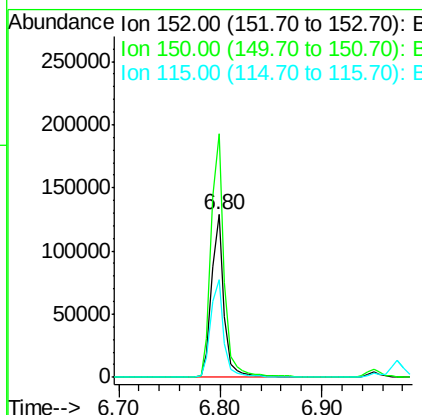
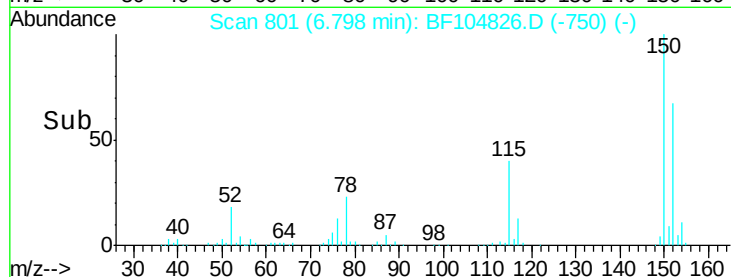
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BF104826.D
 Acq: 26 Apr 2018 9:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 111598
 Ion Ratio Lower Upper
 152 100
 150 149.5 124.6 186.8
 115 60.2 50.1 75.1

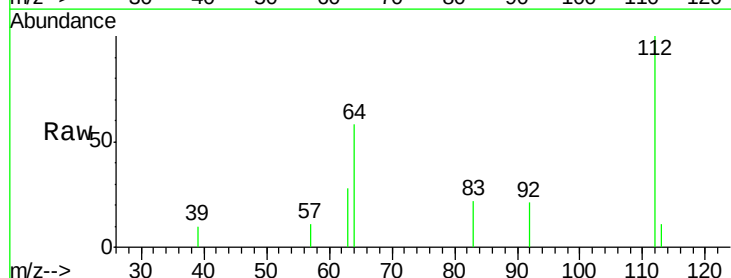


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

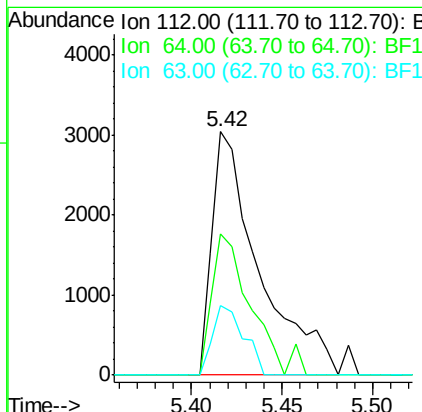
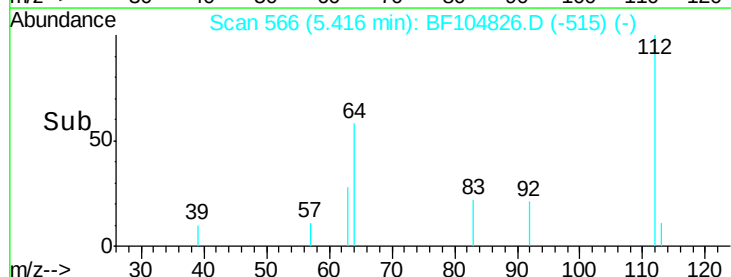


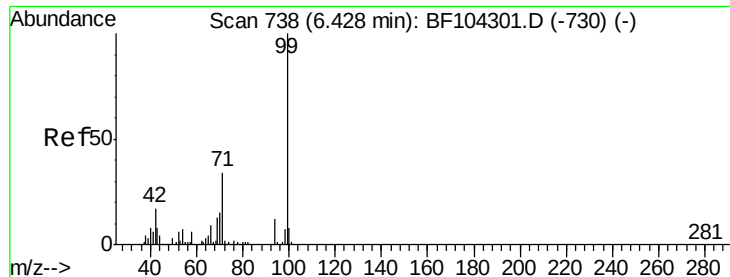
#5
 2-Fluorophenol
 Concen: 0.751 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: BF104826.D
 Acq: 26 Apr 2018 9:14

Tgt Ion:112 Resp: 5480
 Ion Ratio Lower Upper
 112 100
 64 57.8 47.9 71.9
 63 28.3 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: 0.833 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

Instrument :

BNA_F

ClientSampleId :

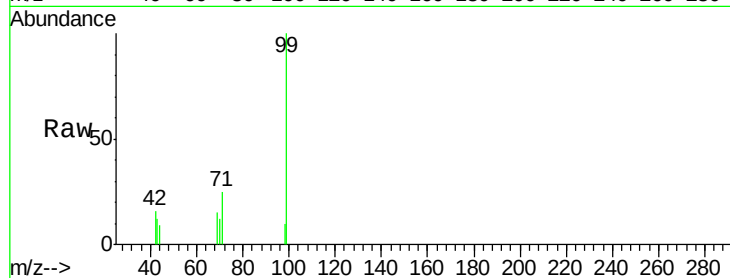
Tot Ion: 99 Resp: 7466

Ion Ratio Lower Upper

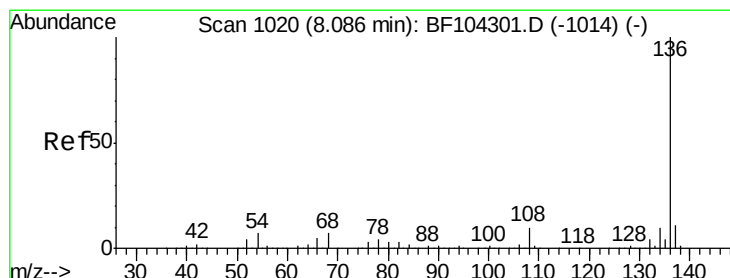
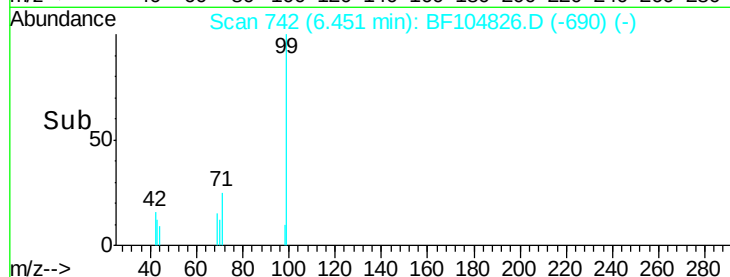
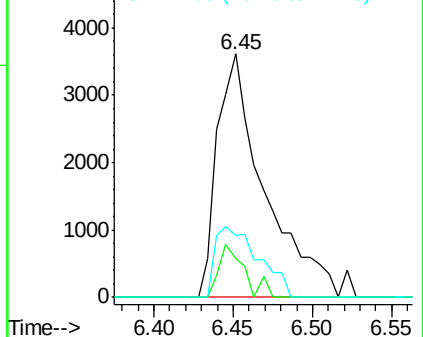
99 100

42 16.0 14.5 21.7

71 25.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

Tgt Ion: 136 Resp: 460447

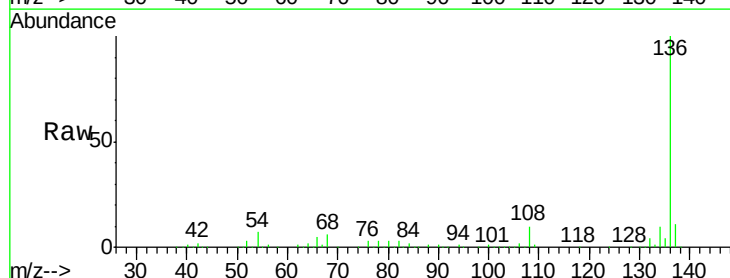
Ion Ratio Lower Upper

136 100

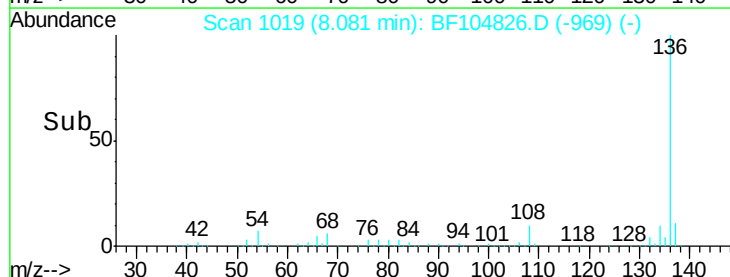
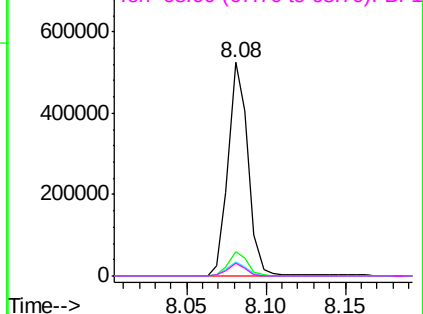
137 11.4 8.9 13.3

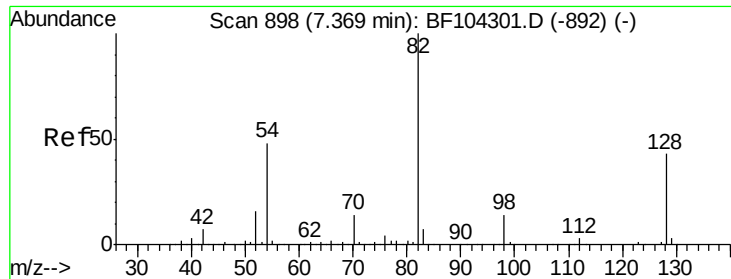
54 6.7 6.6 9.8

68 5.8 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

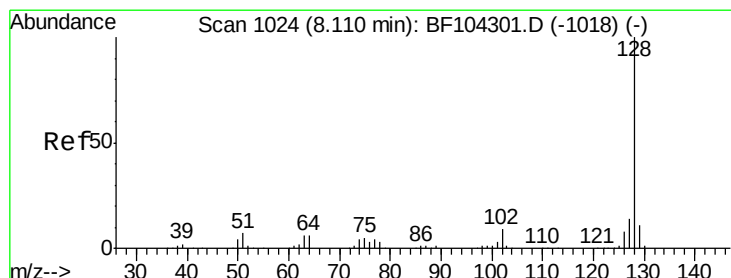
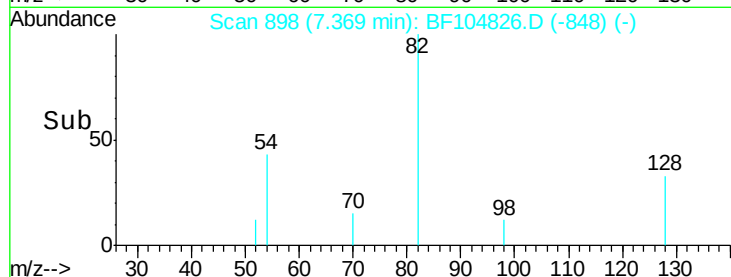
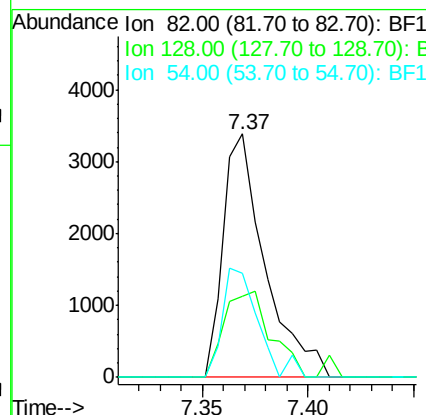
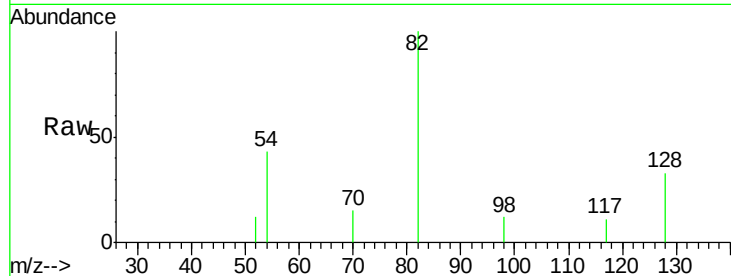




#23
Nitrobenzene-d5
Concen: 0.660 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104826.D
Acq: 26 Apr 2018 9:14

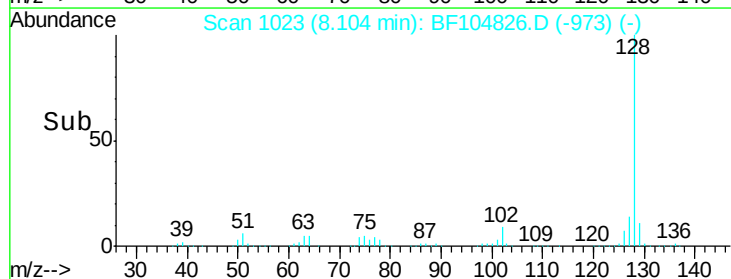
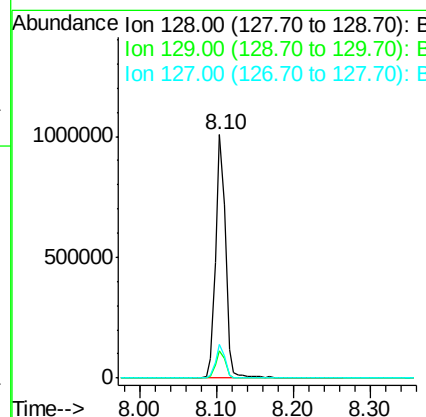
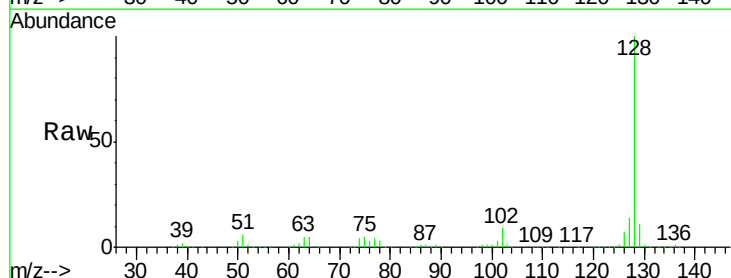
Instrument :
BNA_F
ClientSampleId :

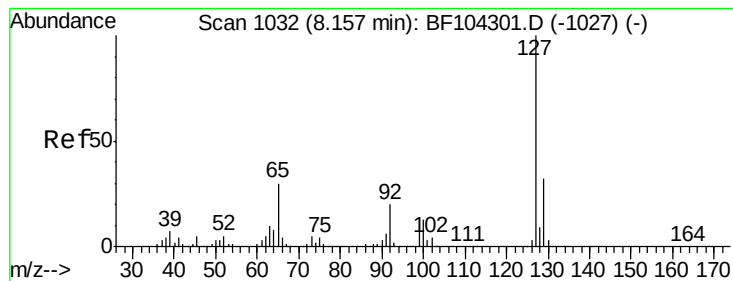
Tot Ion: 82 Resp: 4655
Ion Ratio Lower Upper
82 100
128 33.2 36.1 54.1#
54 42.6 41.4 62.2



#31
Naphthalene
Concen: 38.710 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF104826.D
Acq: 26 Apr 2018 9:14

Tgt Ion: 128 Resp: 887526
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.8 10.9 16.3





#33

4-Chloroaniline

Concen: 12.163 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.06 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 119473

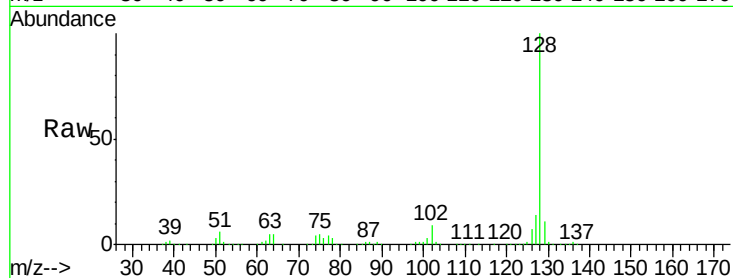
Ion Ratio Lower Upper

127 100

129 81.0 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

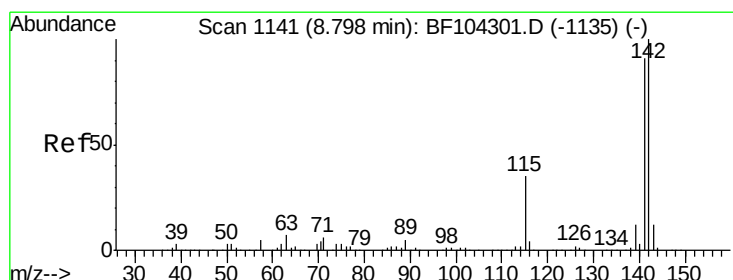
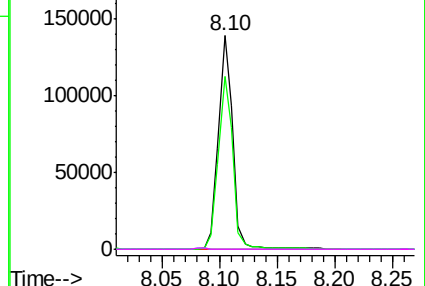
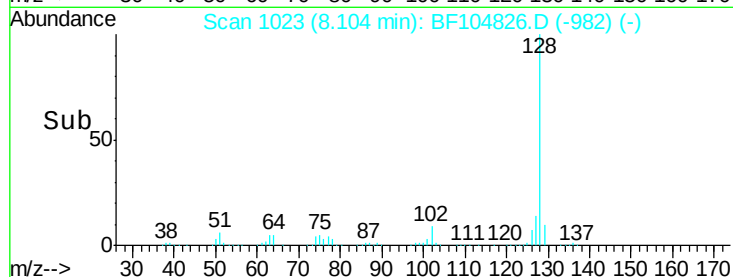


Abundance Ion 127.00 (126.70 to 127.70): E

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: 11.286 ng

RT: 8.80 min Scan# 1141

Delta R.T. 0.00 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

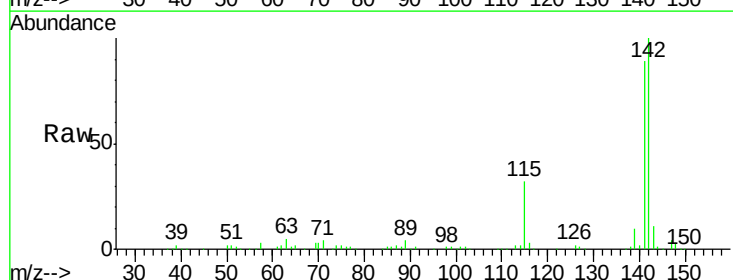
Tgt Ion:142 Resp: 167375

Ion Ratio Lower Upper

142 100

141 88.9 70.8 106.2

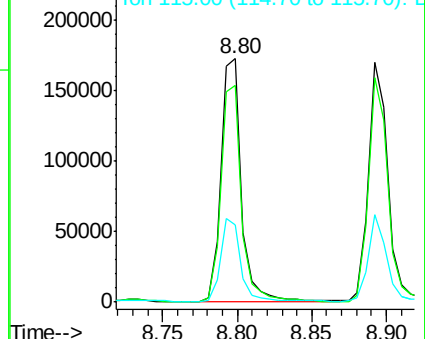
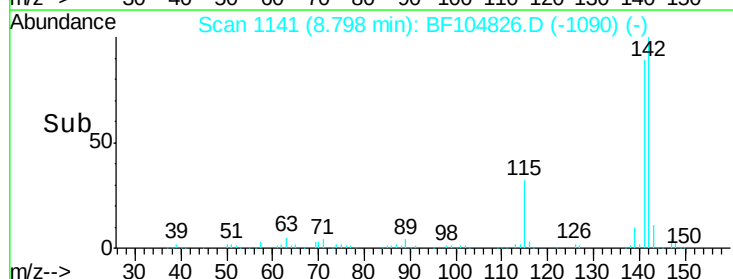
115 31.5 26.1 39.1

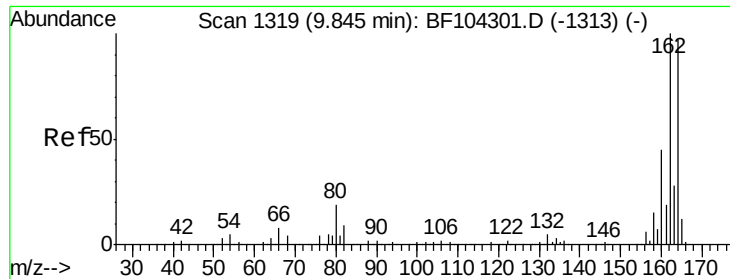


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

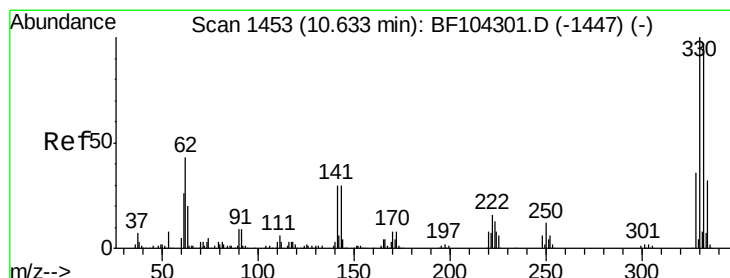
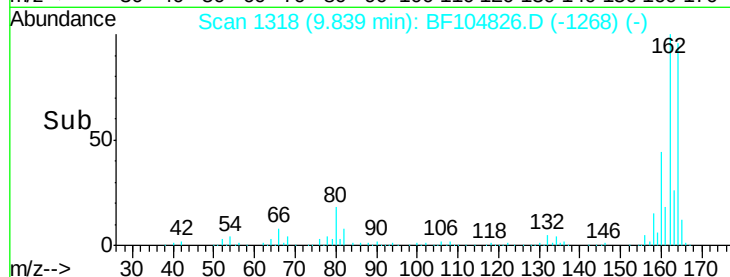
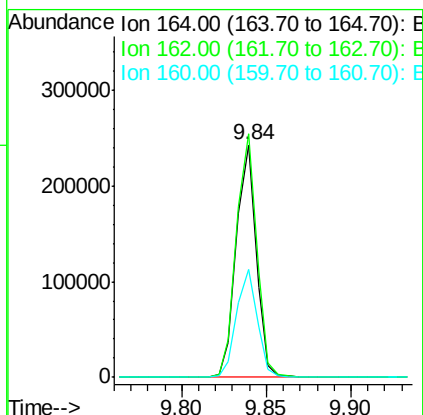
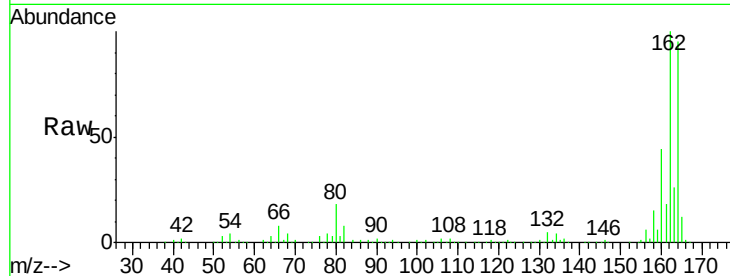




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104826.D
 Acq: 26 Apr 2018 9:14

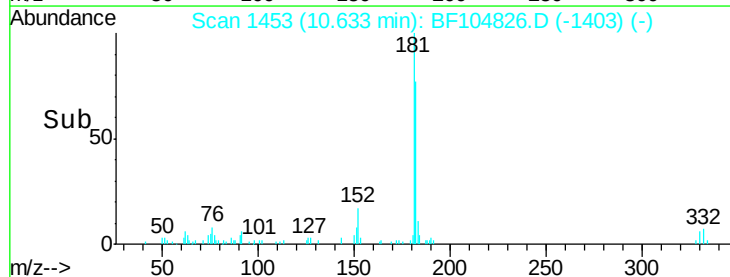
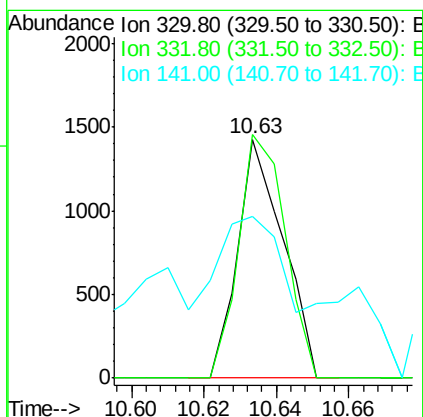
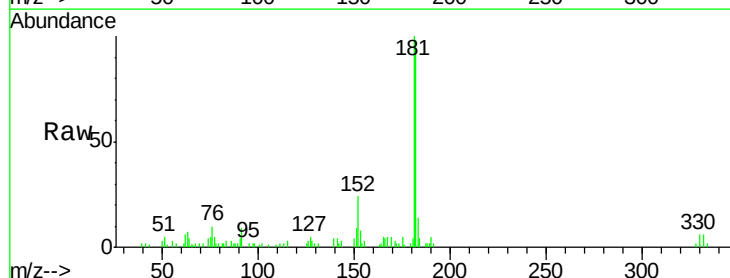
Instrument :
 BNA_F
 ClientSampleId :

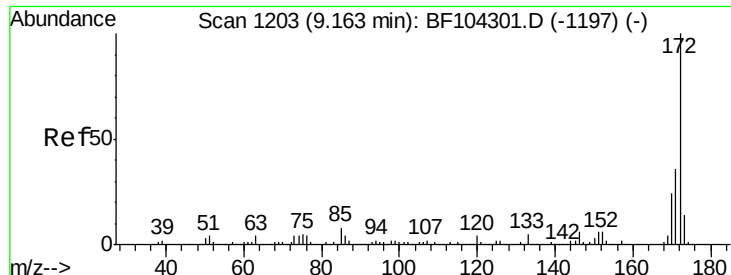
Tot Ion:164 Resp: 201037
 Ion Ratio Lower Upper
 164 100
 162 104.8 86.1 129.1
 160 46.2 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 0.597 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104826.D
 Acq: 26 Apr 2018 9:14

Tgt Ion:330 Resp: 1246
 Ion Ratio Lower Upper
 330 100
 332 104.2 77.0 115.6
 141 80.3 29.9 44.9#

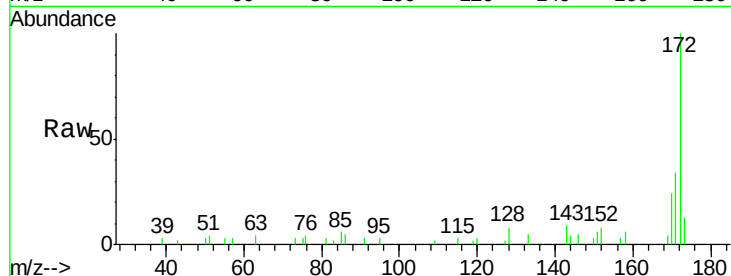




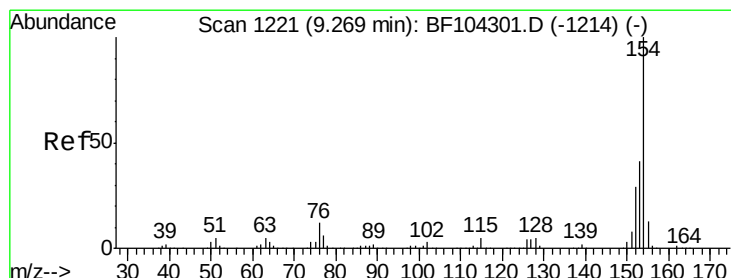
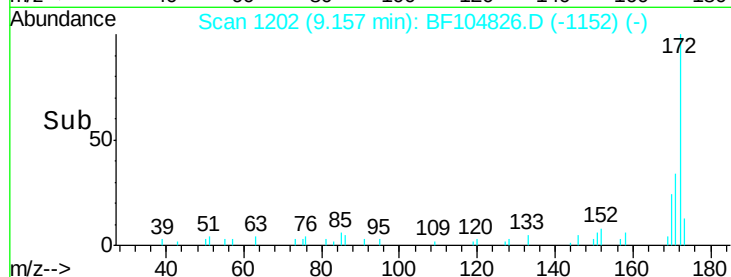
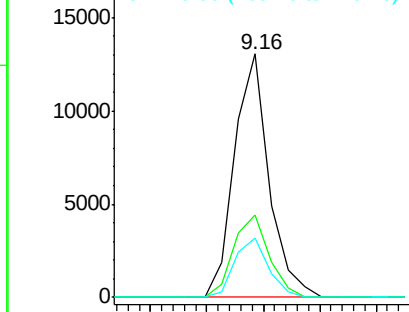
#44
2-Fluorobiphenyl
Concen: 0.873 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF104826.D
Acq: 26 Apr 2018 9:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 11112
Ion Ratio Lower Upper
172 100
171 33.8 29.7 44.5
170 24.1 19.6 29.4

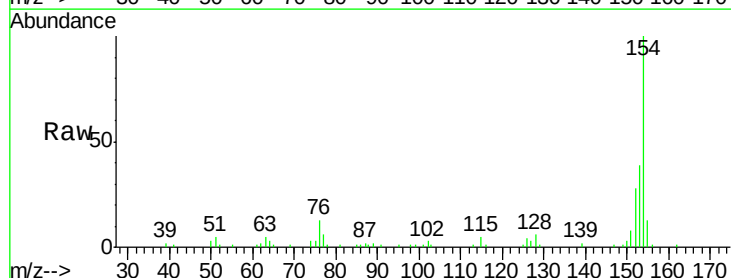


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

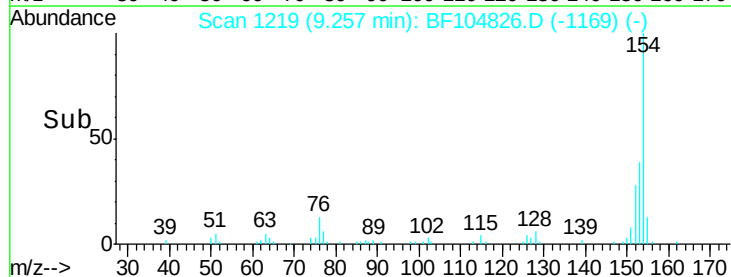
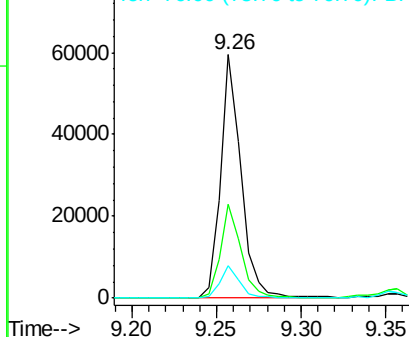


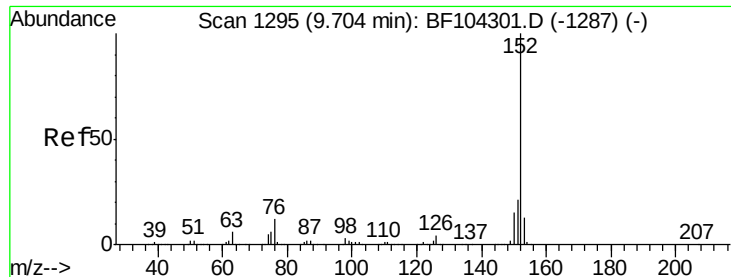
#45
1,1'-Biphenyl
Concen: 3.000 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF104826.D
Acq: 26 Apr 2018 9:14

Tgt Ion:154 Resp: 50668
Ion Ratio Lower Upper
154 100
153 38.5 21.3 61.3
76 13.4 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#48

Acenaphthylene

Concen: 8.753 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

Instrument :

BNA_F

ClientSampleId :

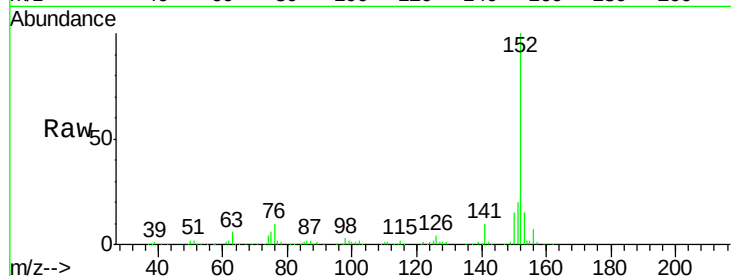
Tot Ion:152 Resp: 183190

Ion Ratio Lower Upper

152 100

151 20.2 16.3 24.5

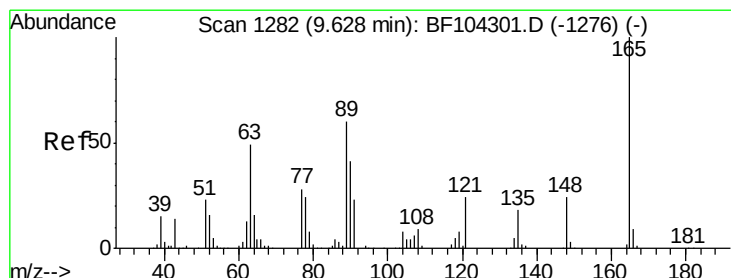
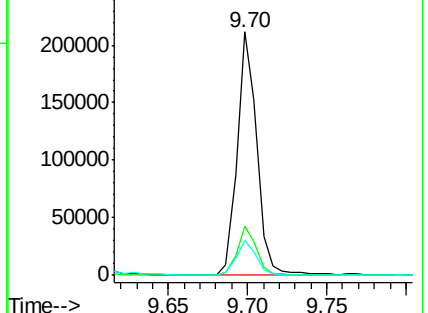
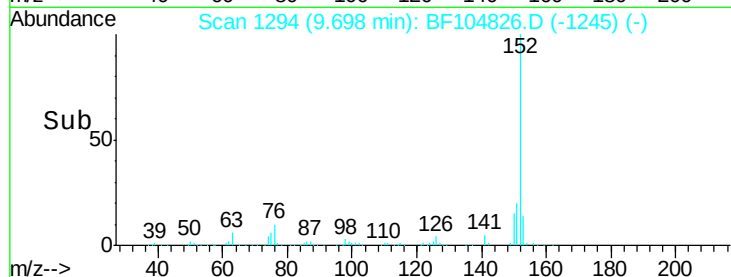
153 14.5 10.7 16.1



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: 10.477 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

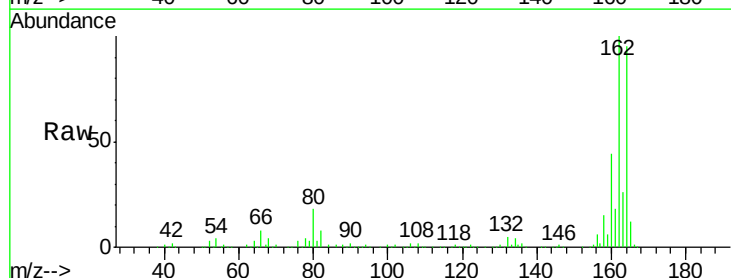
Tgt Ion:165 Resp: 30733

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

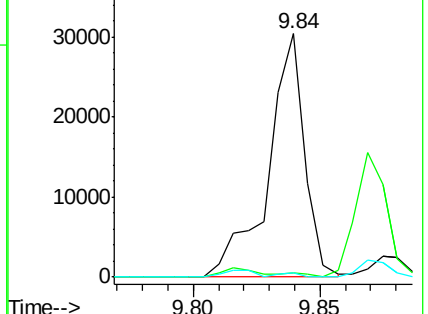
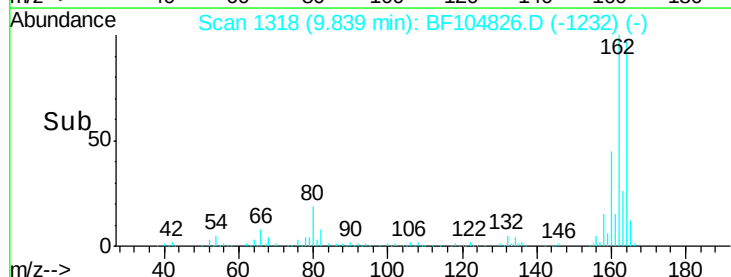
89 1.9 44.0 66.0#

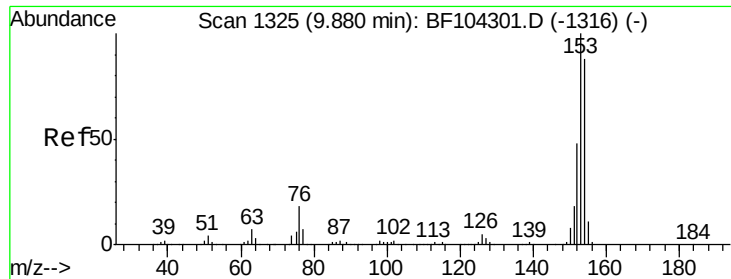


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 12.945 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

Instrument :

BNA_F

ClientSampleId :

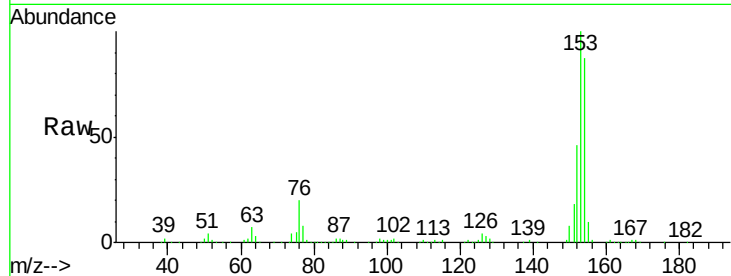
Tot Ion:154 Resp: 165305

Ion Ratio Lower Upper

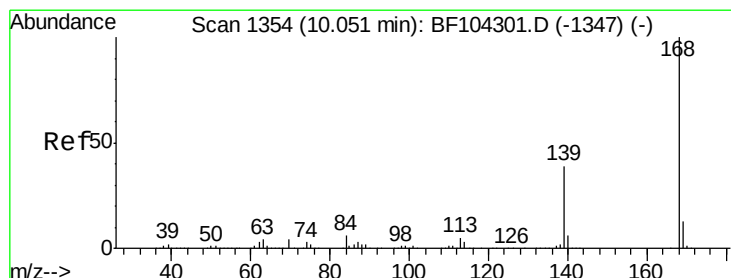
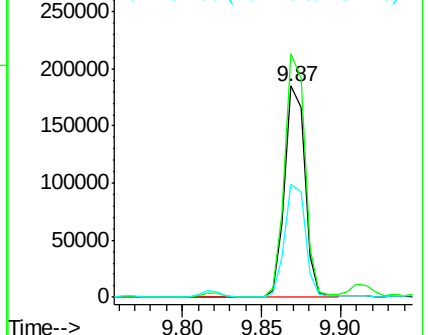
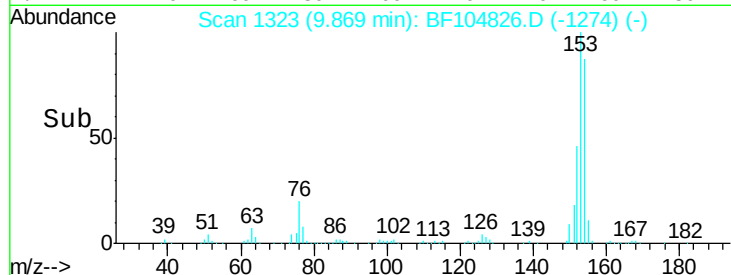
154 100

153 115.2 91.2 136.8

152 53.4 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



#54

Dibenzofuran

Concen: 9.698 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

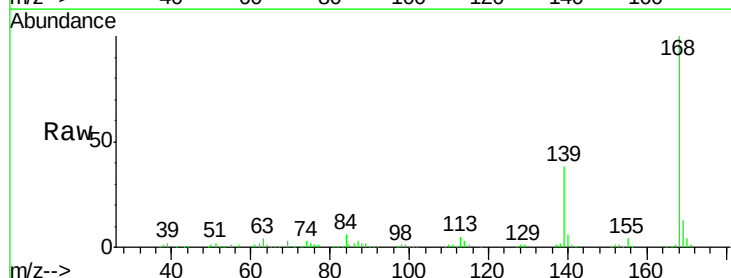
Tgt Ion:168 Resp: 172596

Ion Ratio Lower Upper

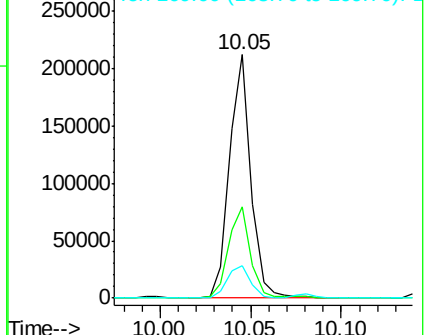
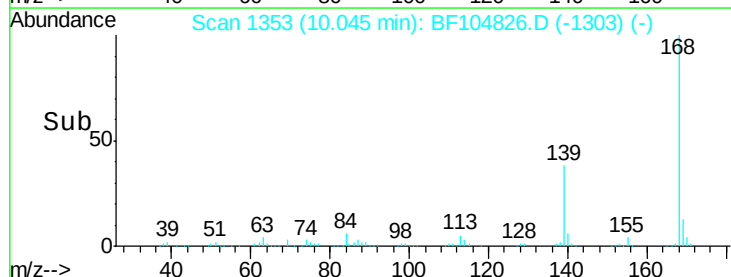
168 100

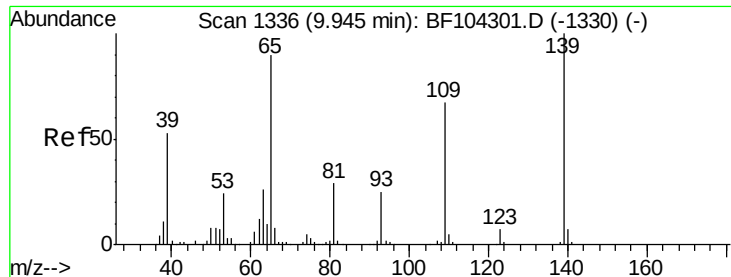
139 37.6 30.1 45.1

169 13.4 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

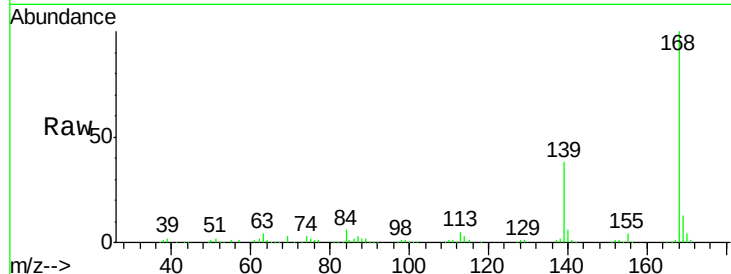




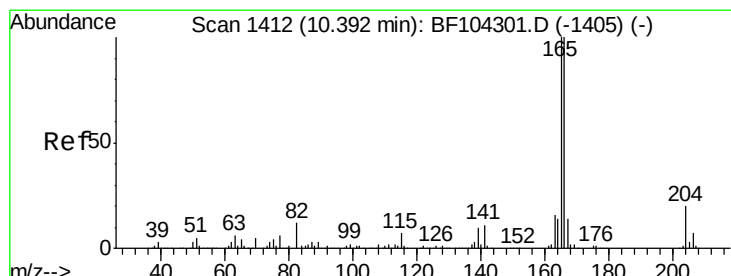
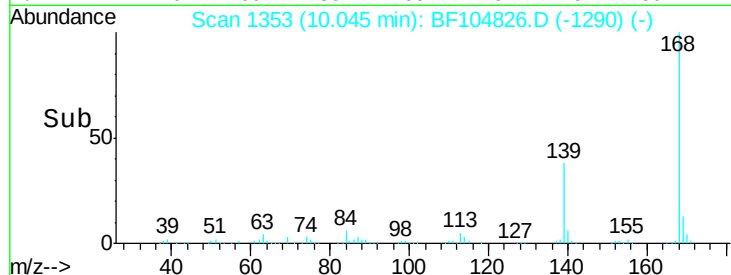
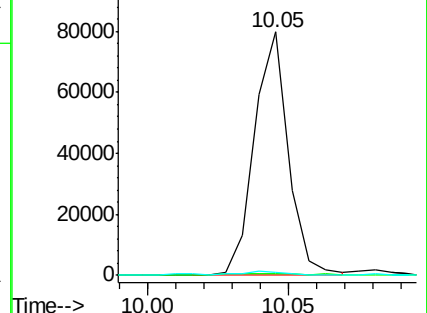
#55
4-Nitrophenol
Concen: 24.731 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.07 min
Lab File: BF104826.D
Acq: 26 Apr 2018 9:14

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.9	48.4	88.4#
65	1.3	72.6	112.6#

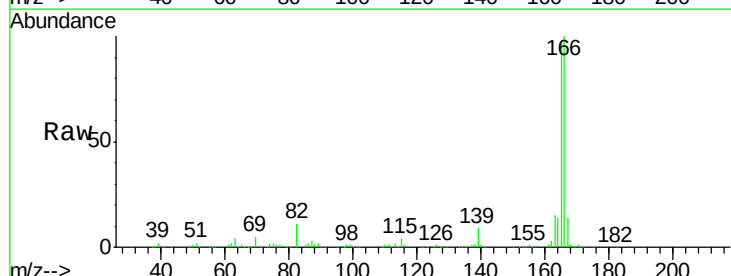


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

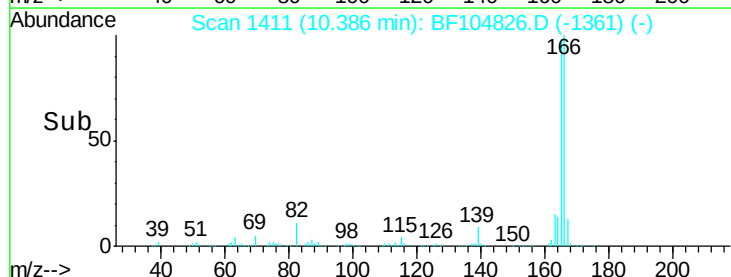
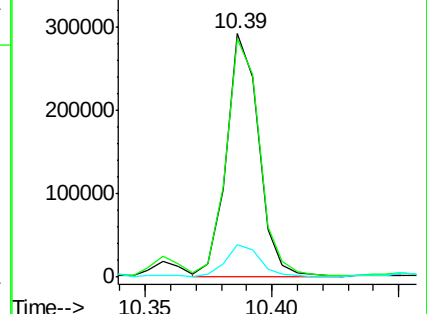


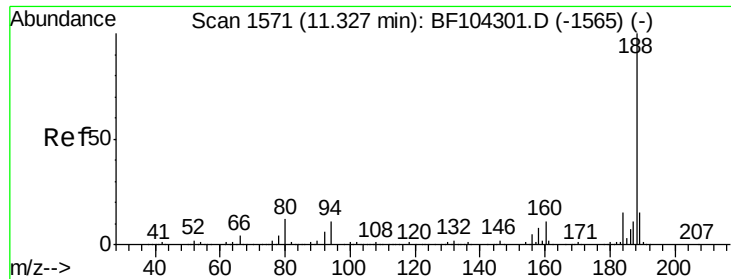
#57
Fluorene
Concen: 19.777 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF104826.D
Acq: 26 Apr 2018 9:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.8	119.8
167	13.6	10.6	16.0



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

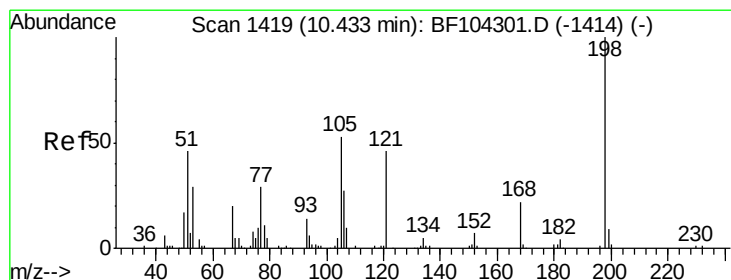
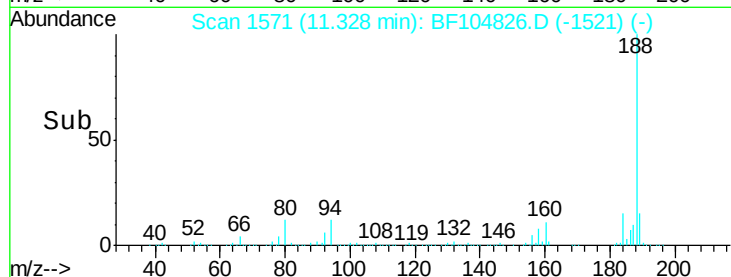
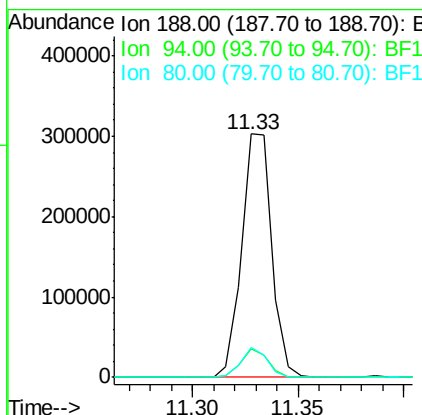
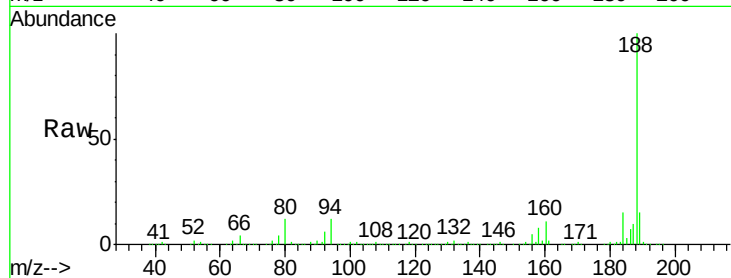




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104826.D
Acq: 26 Apr 2018 9:14

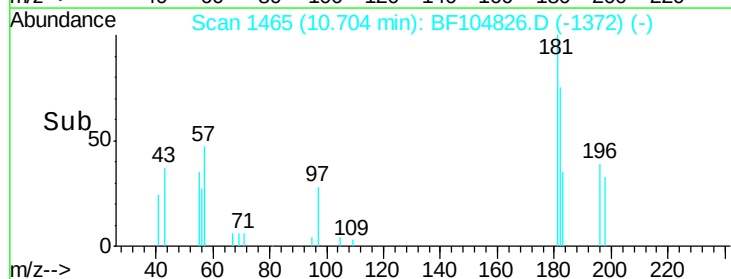
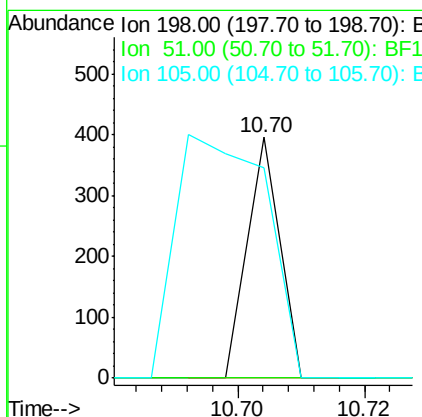
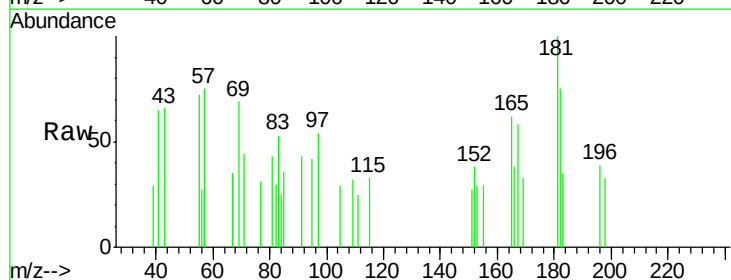
Instrument :
BNA_F
ClientSampleId :

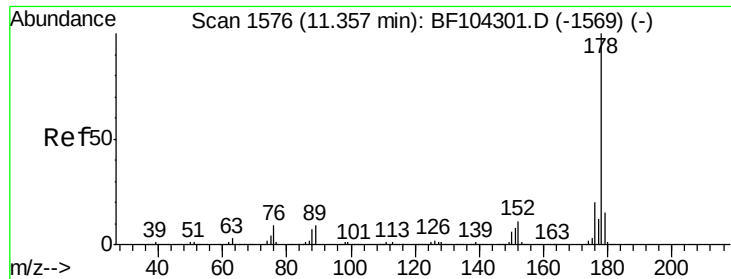
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.5	12.7
80	12.5	9.2	13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.428 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.25 min
Lab File: BF104826.D
Acq: 26 Apr 2018 9:14

Tgt Ion	Ratio	Lower	Upper
198	100		
51	0.0	37.7	77.7#
105	87.6	36.3	76.3#





#70

Phenanthrene

Concen: 57.126 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

Instrument :

BNA_F

ClientSampleId :

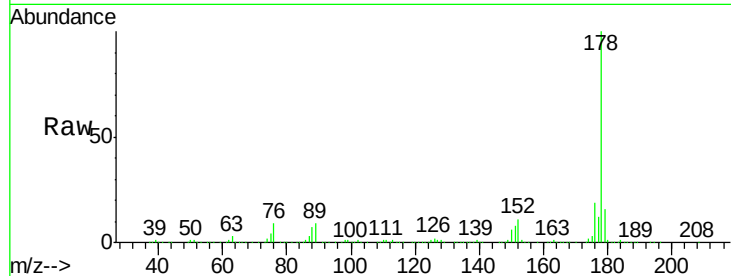
Tot Ion:178 Resp: 948639

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

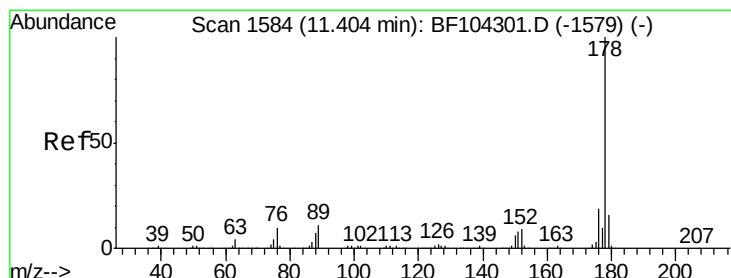
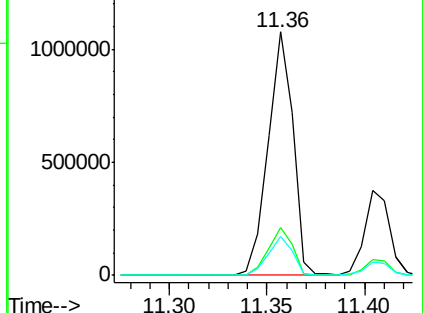
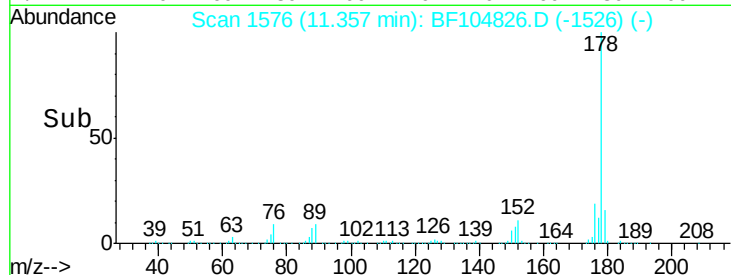
179 15.8 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 19.279 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

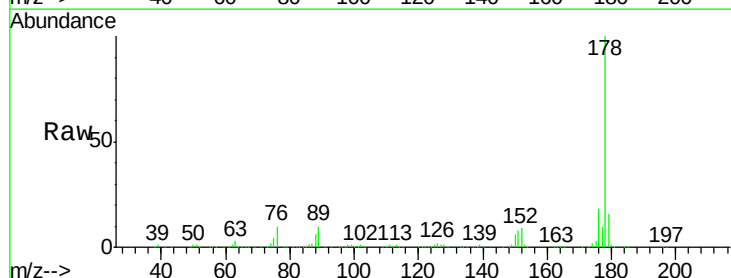
Tgt Ion:178 Resp: 325432

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

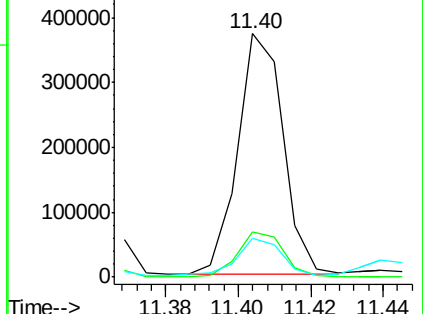
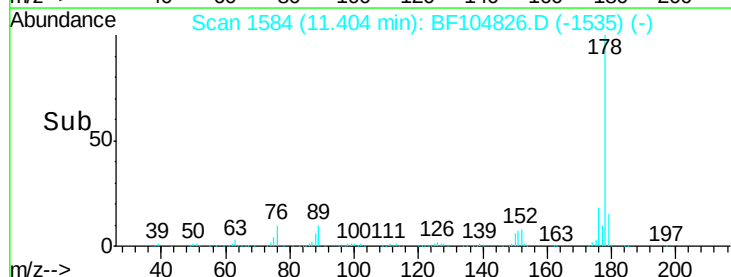
179 15.7 12.6 19.0

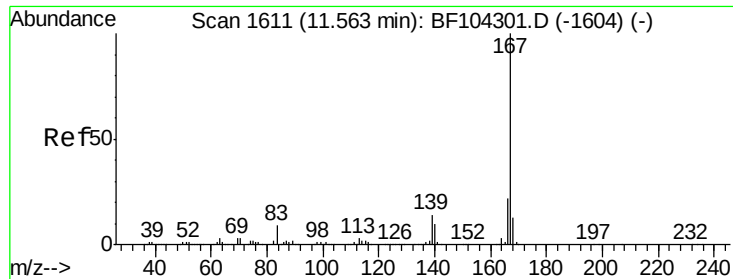


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.565 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

Instrument :

BNA_F

ClientSampleId :

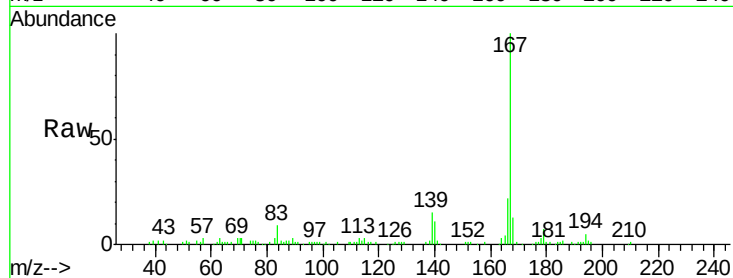
Tot Ion:167 Resp: 75304

Ion Ratio Lower Upper

167 100

166 21.9 17.6 26.4

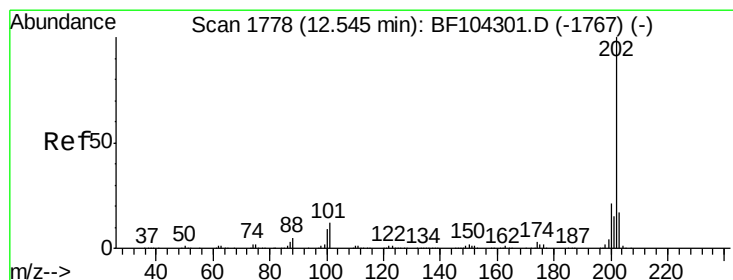
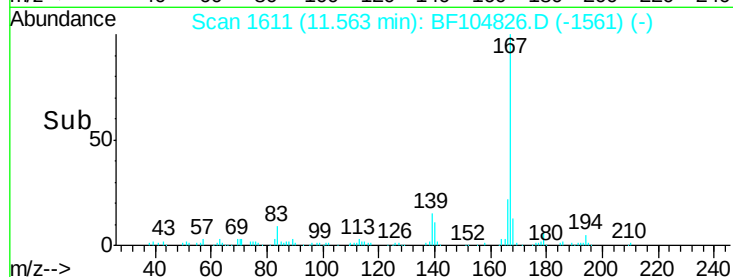
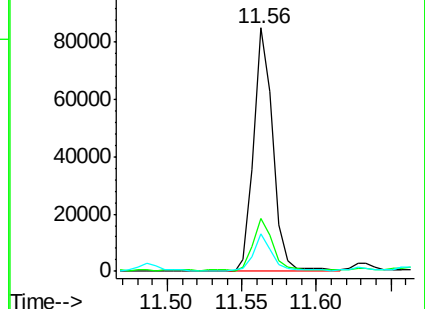
139 15.4 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 47.952 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

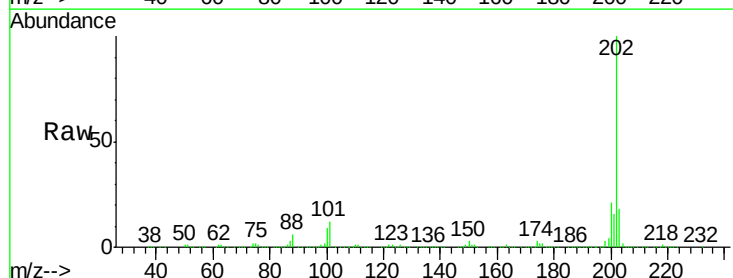
Tgt Ion:202 Resp: 831965

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

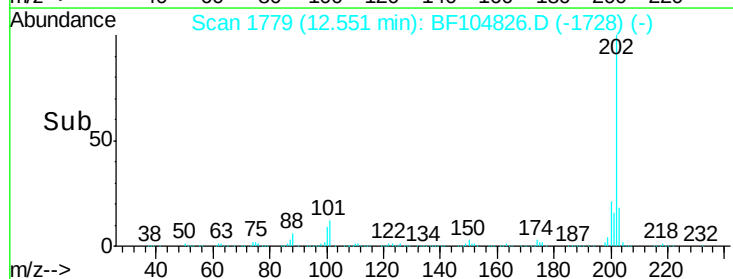
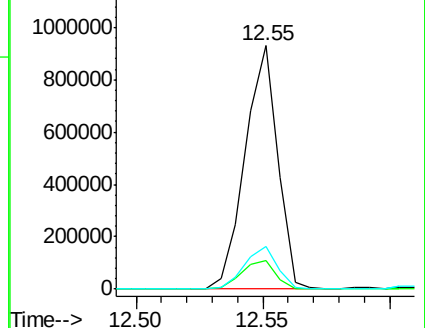
203 17.7 0.0 38.1

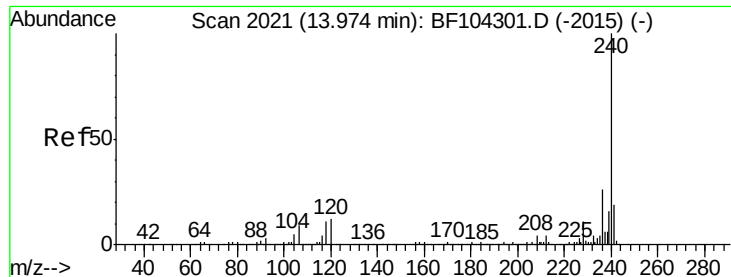


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

Instrument :

BNA_F

ClientSampleId :

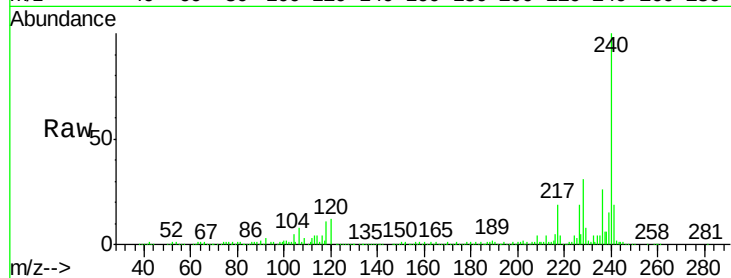
Tot Ion:240 Resp: 219647

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

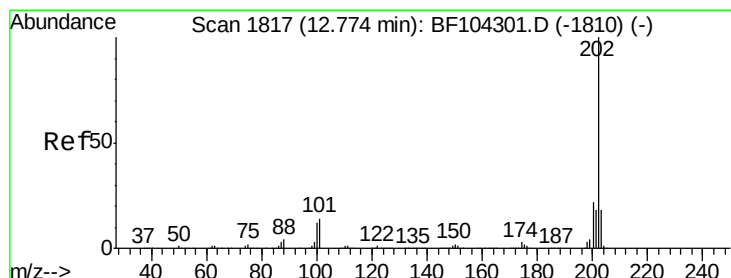
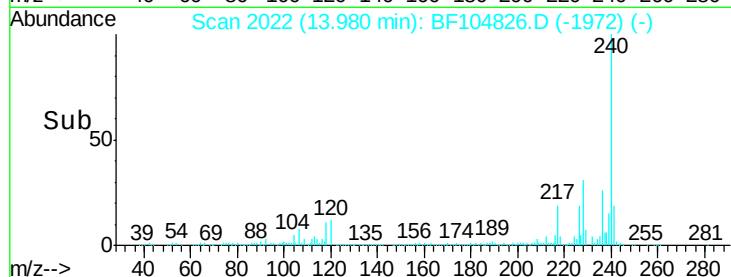
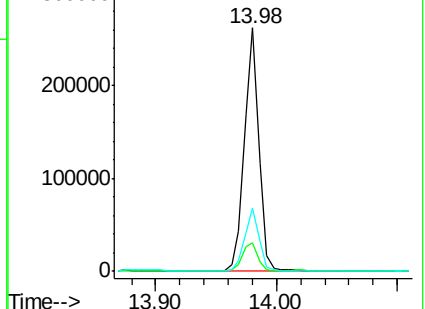
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 48.731 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

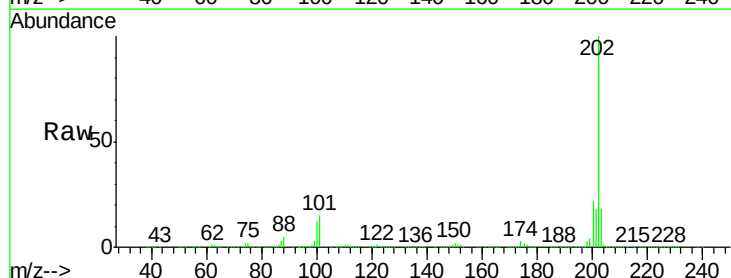
Tgt Ion:202 Resp: 793390

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

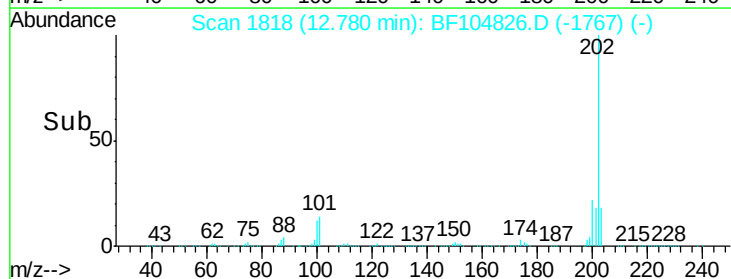
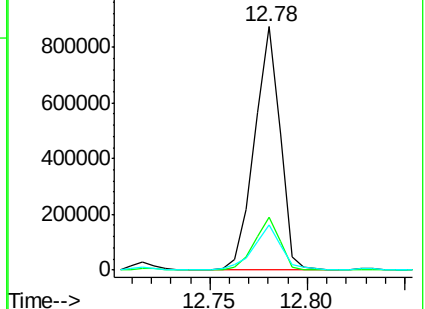
203 18.4 14.3 21.5

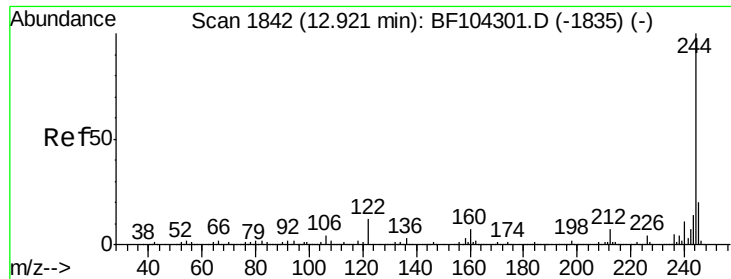


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

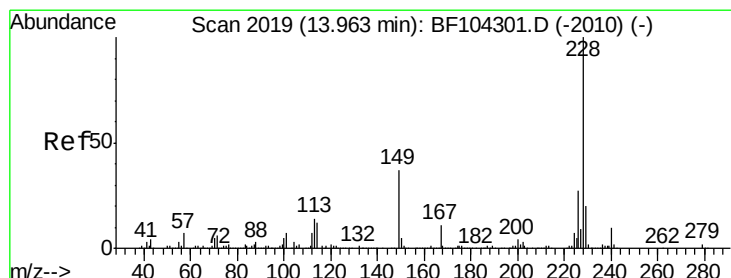
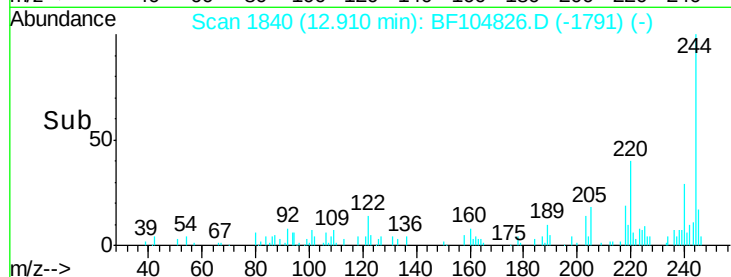
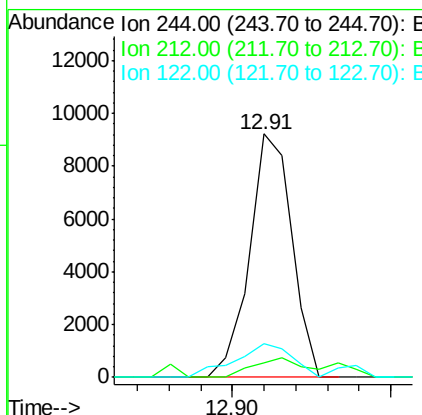
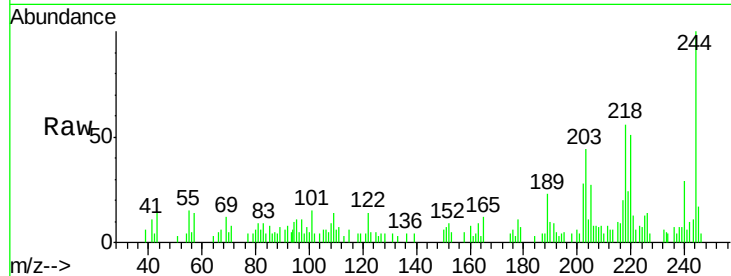




#78
 Terphenyl-d14
 Concen: 0.885 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF104826.D
 Acq: 26 Apr 2018 9:14

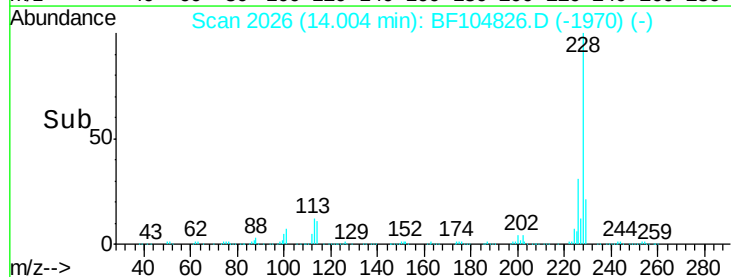
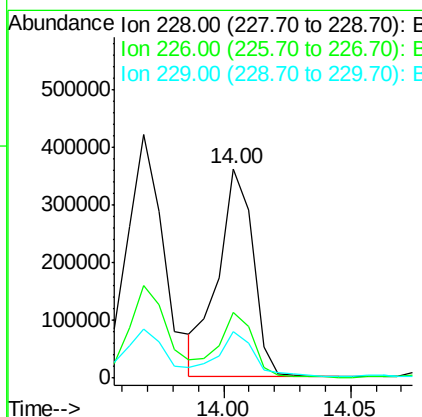
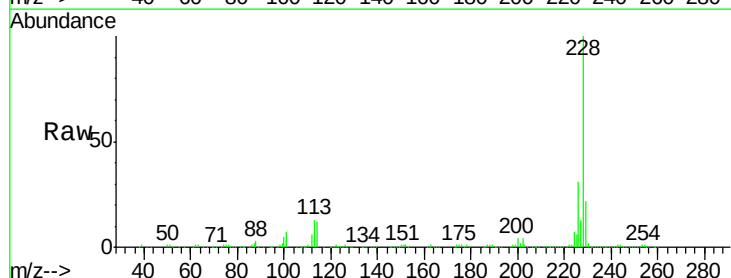
Instrument :
 BNA_F
 ClientSampleId :

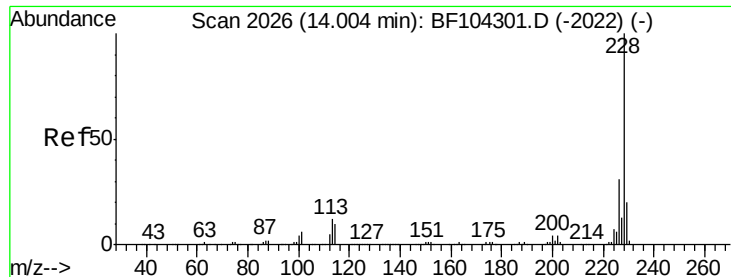
Tot Ion:244 Resp: 8529
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.4 8.0
 122 13.6 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 26.633 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.03 min
 Lab File: BF104826.D
 Acq: 26 Apr 2018 9:14

Tgt Ion:228 Resp: 349483
 Ion Ratio Lower Upper
 228 100
 226 31.1 22.6 33.8
 229 22.1 15.8 23.6





#82

Chrysene

Concen: 25.929 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

Instrument :

BNA_F

ClientSampleId :

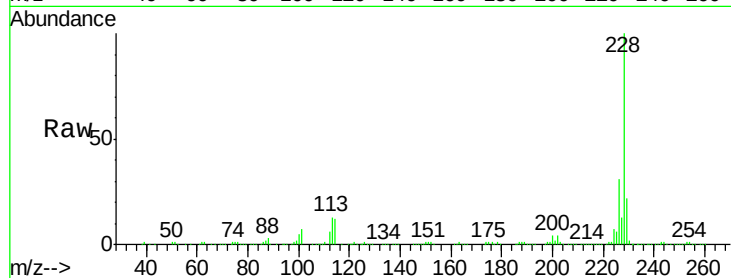
Tot Ion:228 Resp: 349483

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

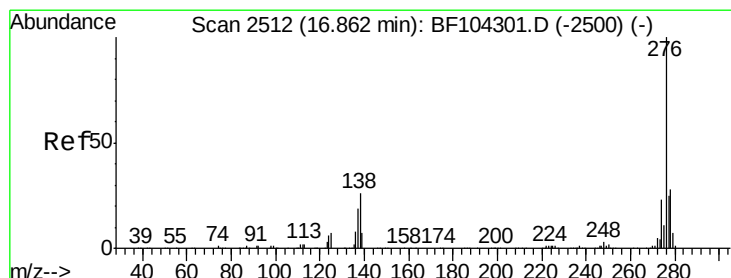
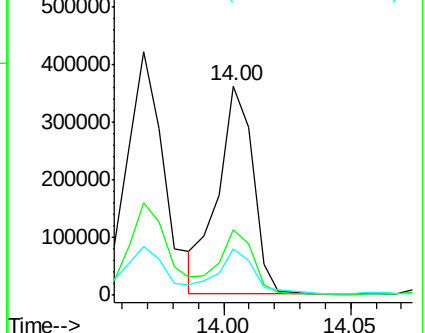
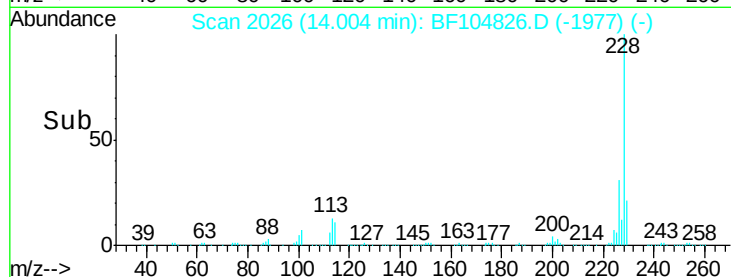
229 22.1 16.2 24.4



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: 12.310 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.03 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

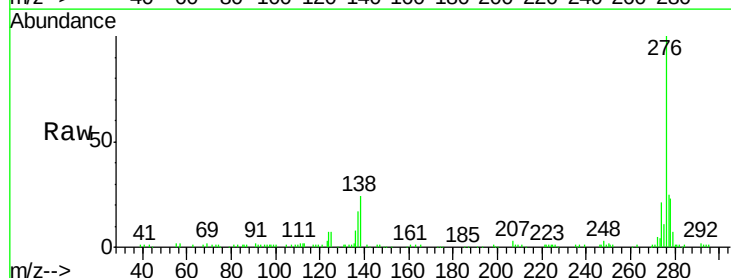
Tgt Ion:276 Resp: 140949

Ion Ratio Lower Upper

276 100

138 23.4 25.0 37.6#

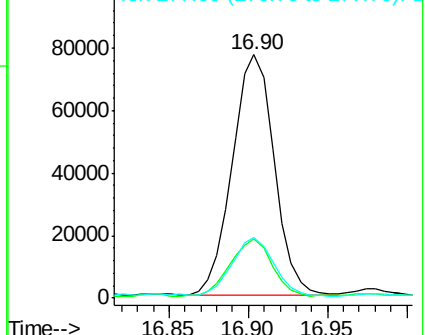
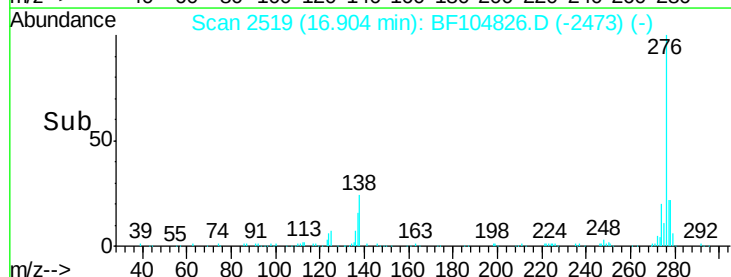
277 24.6 20.1 30.1

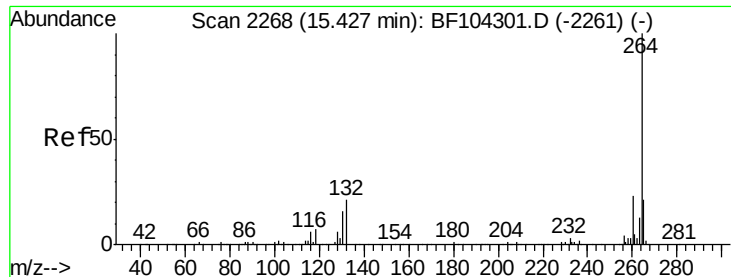


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

Instrument :

BNA_F

ClientSampleId :

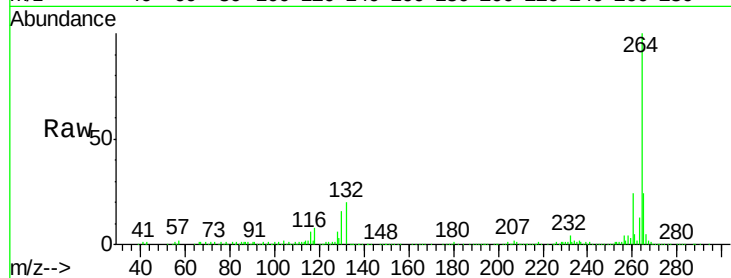
Tot Ion:264 Resp: 183403

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

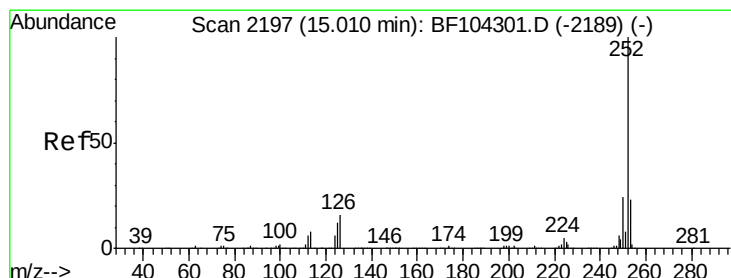
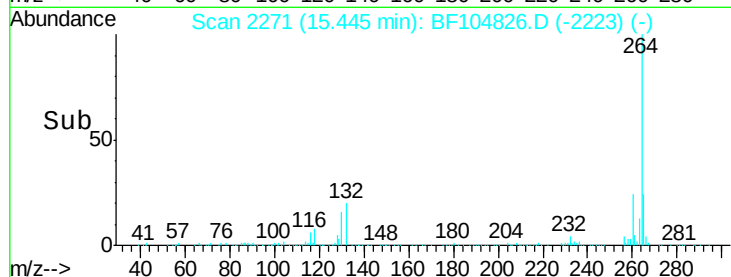
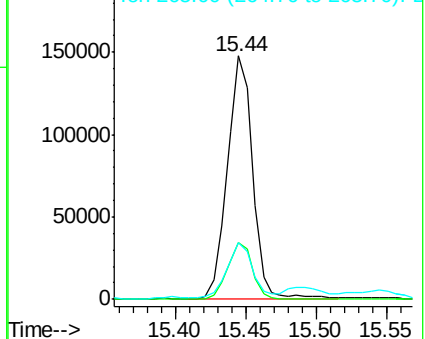
265 23.5 17.5 26.3



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: 46.428 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.02 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

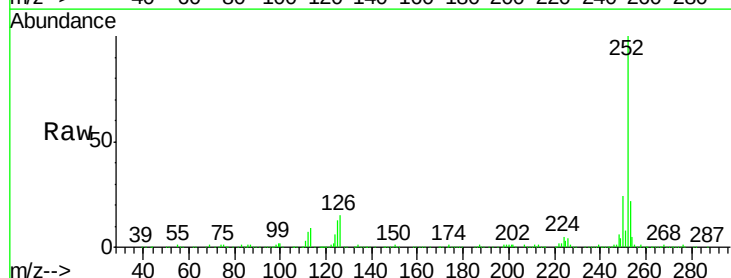
Tgt Ion:252 Resp: 537797

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

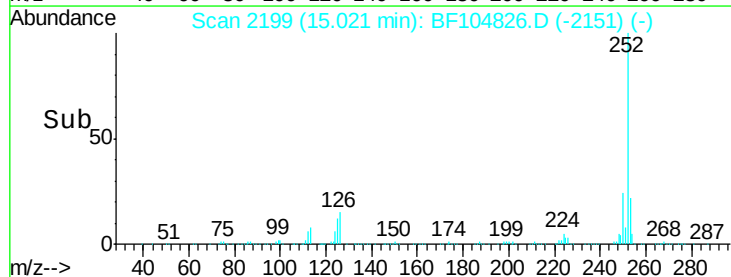
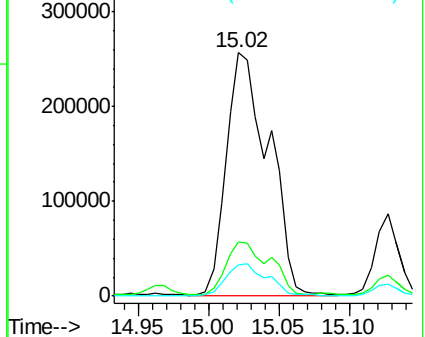
125 12.8 9.0 13.6

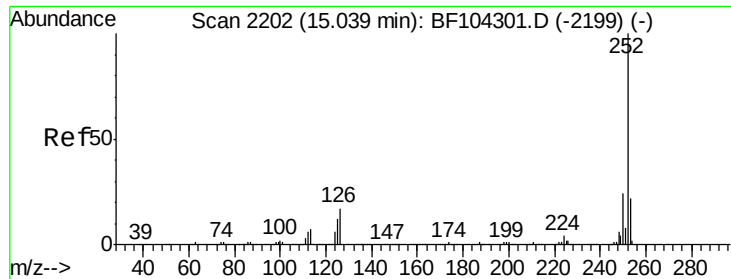


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 49.178 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.05 min

Lab File: BF104826.D

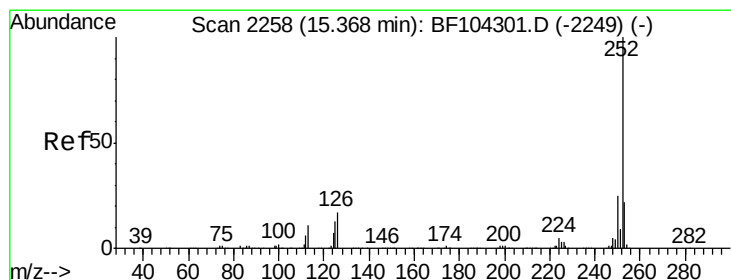
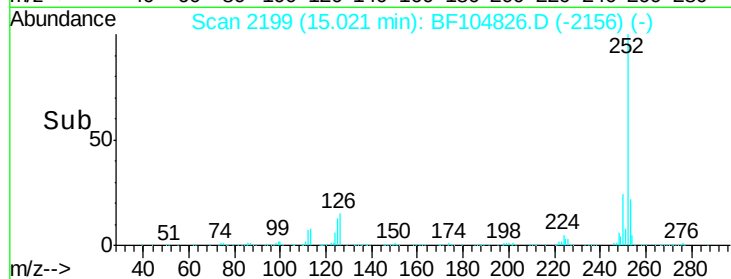
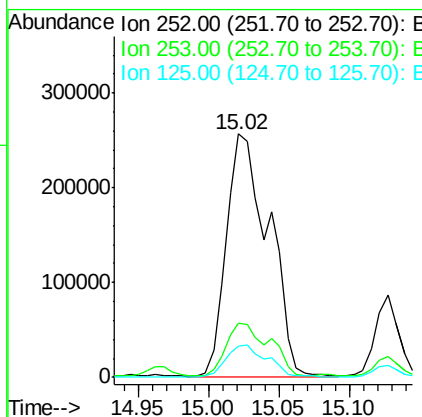
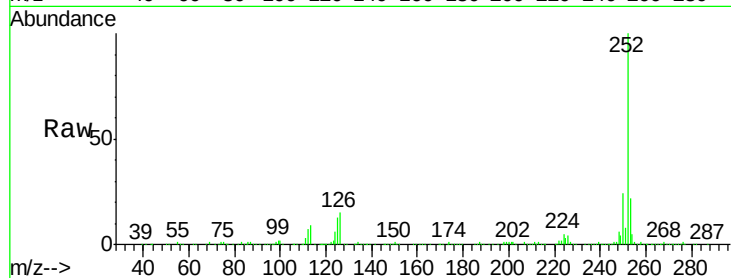
Acq: 26 Apr 2018 9:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	537797
Ion Ratio	Lower	Upper
252	100	
253	22.4	17.9 26.9
125	12.8	10.2 15.2



#89

Benzo(a)pyrene

Concen: 29.778 ng

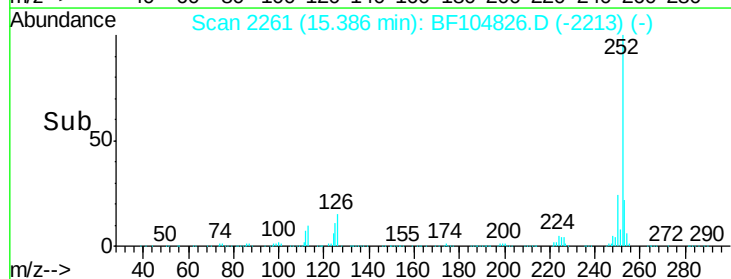
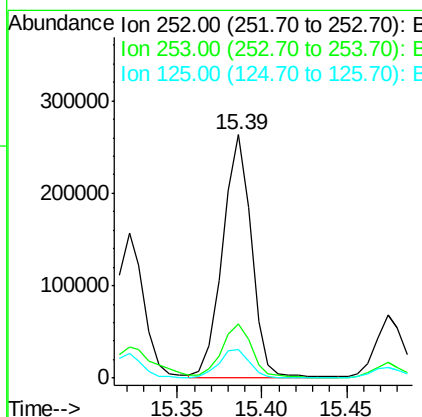
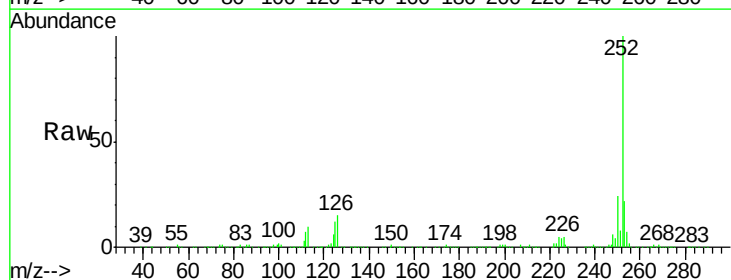
RT: 15.39 min Scan# 2261

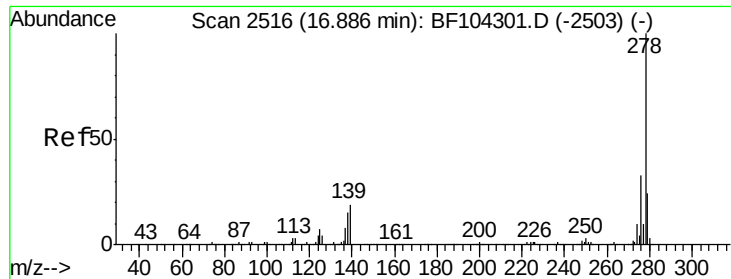
Delta R.T. -0.02 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

Tgt Ion:252	Resp:	308630
Ion Ratio	Lower	Upper
252	100	
253	22.4	17.1 25.7
125	11.5	9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.167 ng

RT: 17.07 min Scan# 2548

Delta R.T. 0.12 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

Instrument :

BNA_F

ClientSampled :

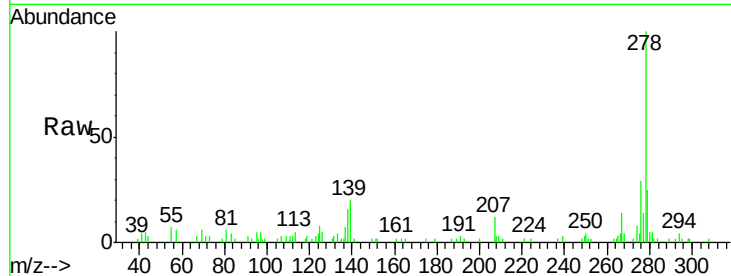
Tot Ion:278 Resp: 35468

Ion Ratio Lower Upper

278 100

139 20.3 15.9 23.9

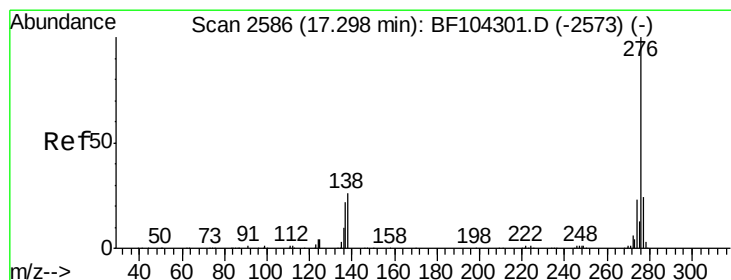
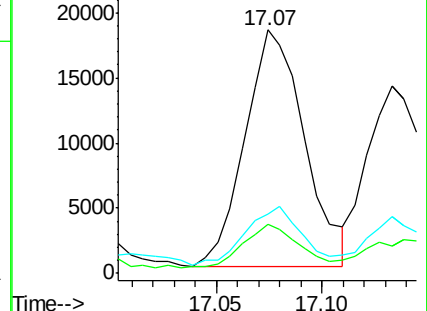
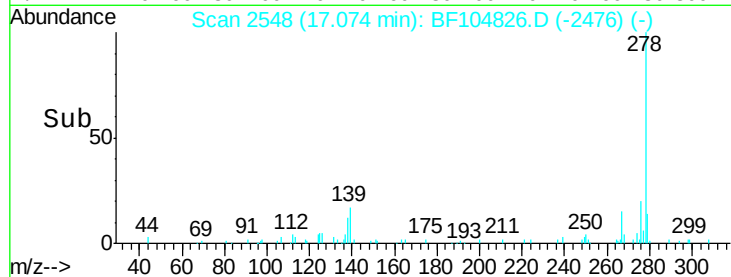
279 24.6 19.0 28.4



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: 16.357 ng

RT: 17.34 min Scan# 2594

Delta R.T. -0.04 min

Lab File: BF104826.D

Acq: 26 Apr 2018 9:14

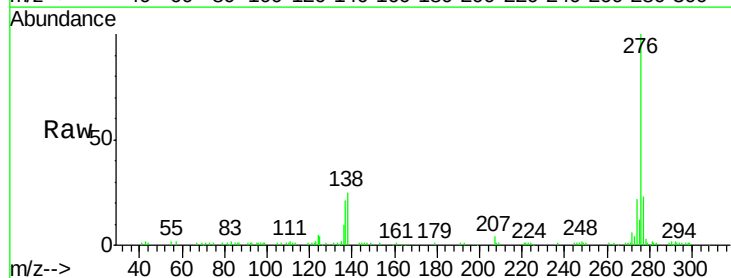
Tgt Ion:276 Resp: 134898

Ion Ratio Lower Upper

276 100

277 22.9 17.9 26.9

138 25.5 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

