

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF105005.D
 Acq On : 2 May 2018 2:26
 Operator : JU/SJ
 Sample : J2453-16
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.5-2.0

Quant Time: May 02 06:58:45 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 16:13:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	131766	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	558485	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	262586	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	434723	20.00	ng	0.00
75) Chrysene-d12	14.02	240	253614	20.00	ng	0.04
86) Perylene-d12	15.54	264	255590	20.00	ng	0.11

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	706011	81.93	ng	0.00
7) Phenol-d6	6.43	99	871863	82.34	ng	0.00
23) Nitrobenzene-d5	7.36	82	549903	64.29	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	211858	77.78	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	933310	56.15	ng	0.00
78) Terphenyl-d14	12.92	244	740268	66.55	ng	0.00

Target Compounds

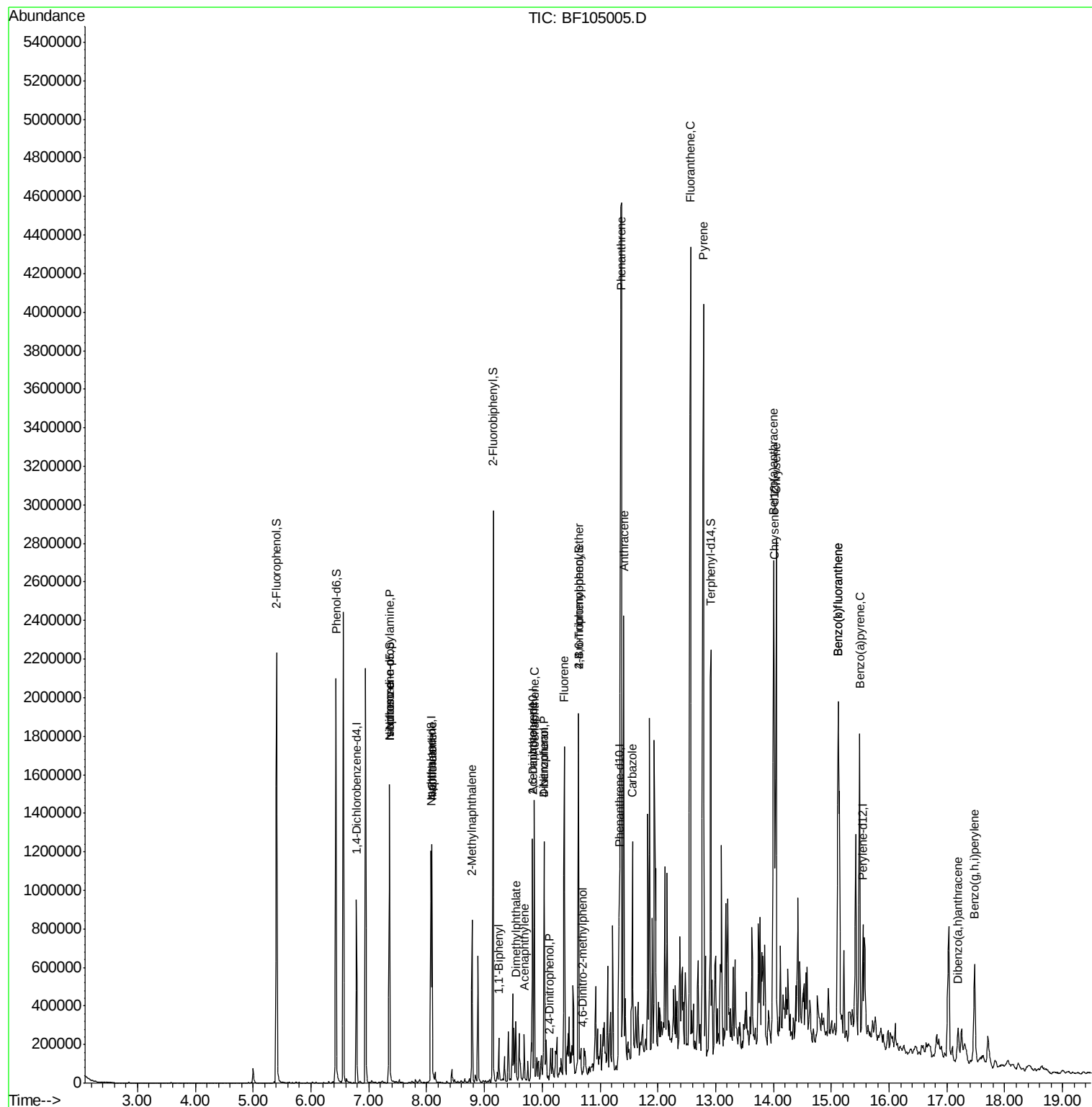
						Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	71503	10.334	ng	# 74
25) Isophorone	7.36	82	549947	30.407	ng	# 64
31) Naphthalene	8.09	128	560202	20.144	ng	99
33) 4-Chloroaniline	8.09	127	73780	6.193	ng	# 30
37) 2-Methylnaphthalene	8.79	142	215128	11.959	ng	99
45) 1,1'-Biphenyl	9.25	154	73652	3.339	ng	97
48) Acenaphthylene	9.69	152	56315	2.060	ng	97
49) Dimethylphthalate	9.55	163	118537	5.724	ng	98
50) 2,6-Dinitrotoluene	9.83	165	44373	11.581	ng	# 26
51) Acenaphthene	9.86	154	268510	16.098	ng	100
53) 2,4-Dinitrophenol	10.12	184	111	5.230	ng	# 1
54) Dibenzofuran	10.03	168	435497	18.735	ng	97
55) 4-Nitrophenol	10.03	139	168051	47.693	ng	# 10
57) Fluorene	10.38	166	435680	25.751	ng	97
64) 4,6-Dinitro-2-methylphenol	10.70	198	524	7.557	ng	84
66) 4-Bromophenyl-phenylether	10.63	248	12828	2.774	ng	# 1
70) Phenanthrene	11.37	178	2704359	111.707	ng	99
71) Anthracene	11.41	178	891374	36.221	ng	99
72) Carbazole	11.56	167	439743	18.286	ng	99
74) Fluoranthene	12.56	202	2543790	100.568	ng	99
76) Benzidine	12.76	184	587	Below Cal		# 1
77) Pyrene	12.79	202	2232393	118.752	ng	98
80) Benzo(a)anthracene	14.00	228	1243665	82.084	ng	98
82) Chrysene	14.05	228	1026091	65.933	ng	97
87) Benzo(b)fluoranthene	15.12	252	1599562	99.089	ng	96
88) Benzo(k)fluoranthene	15.12	252	1599562	104.958	ng	99
89) Benzo(a)pyrene	15.49	252	850313	58.871	ng	98
90) Dibenzo(a,h)anthracene	17.19	278	111506	9.400	ng	97
91) Benzo(g,h,i)perylene	17.48	276	393247	34.217	ng	94

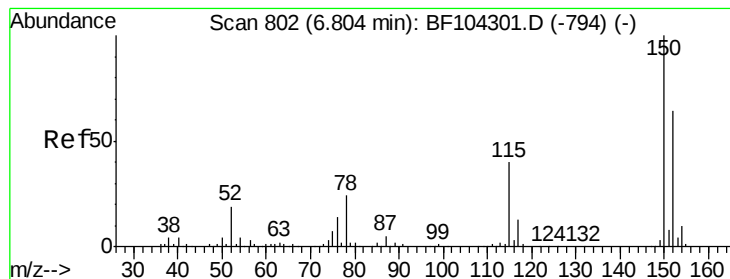
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

Instrument :

BNA_F

ClientSampleId :

T-14 1.5-2.0

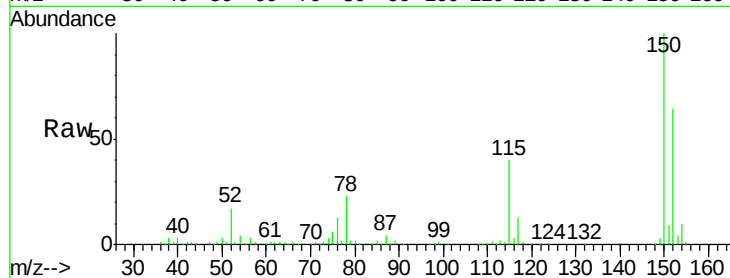
Tgt Ion:152 Resp: 131766

Ion Ratio Lower Upper

152 100

150 156.8 124.6 186.8

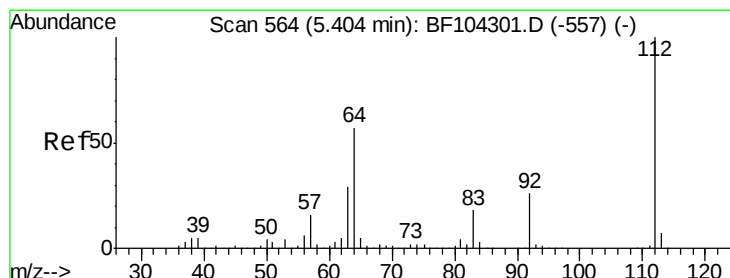
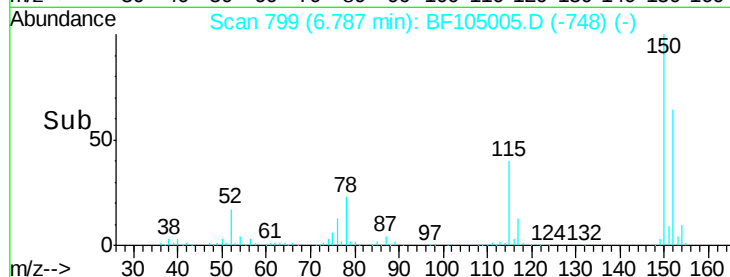
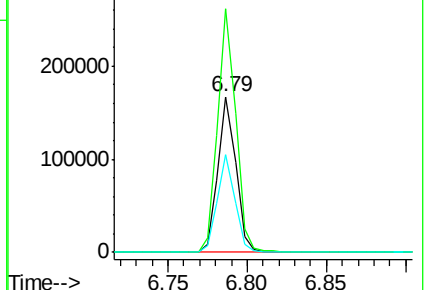
115 62.9 50.1 75.1



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: 81.928 ng

RT: 5.40 min Scan# 564

Delta R.T. 0.00 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

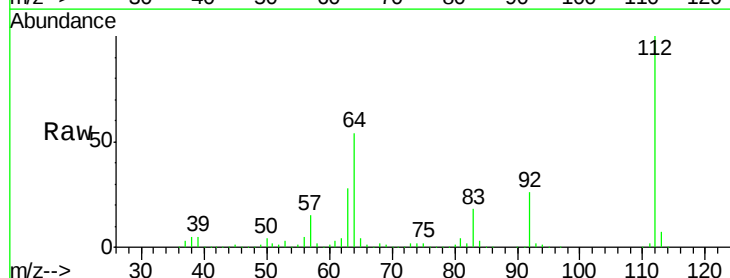
Tgt Ion:112 Resp: 706011

Ion Ratio Lower Upper

112 100

64 54.3 47.9 71.9

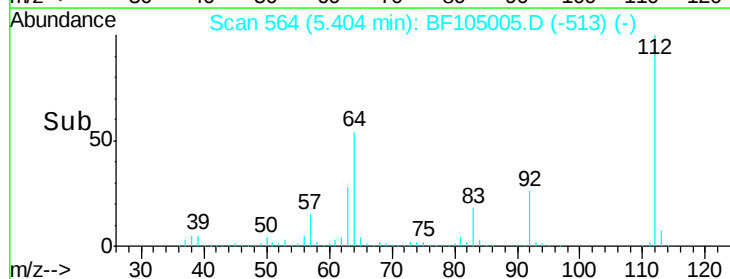
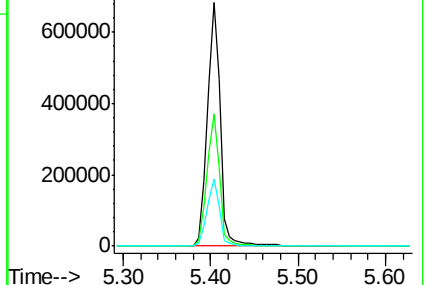
63 27.7 23.7 35.5

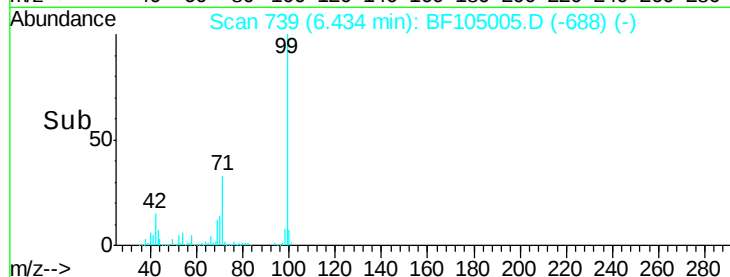
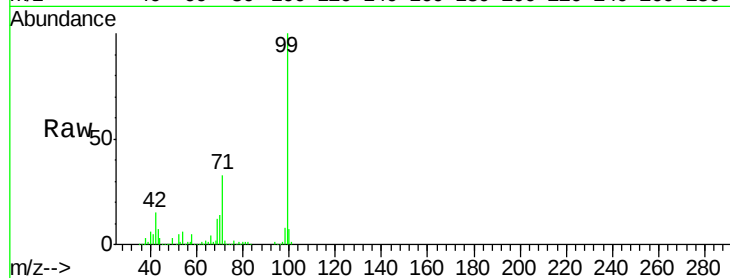


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 82.344 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

Instrument :

BNA_F

ClientSampleId :

T-14 1.5-2.0

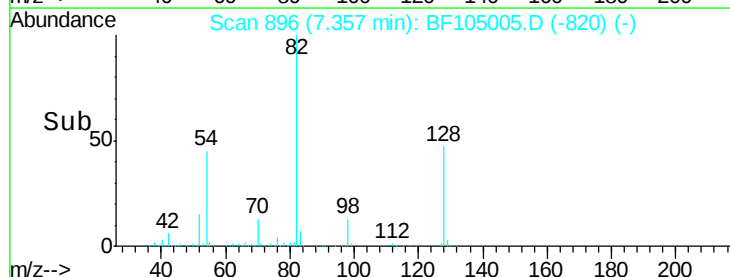
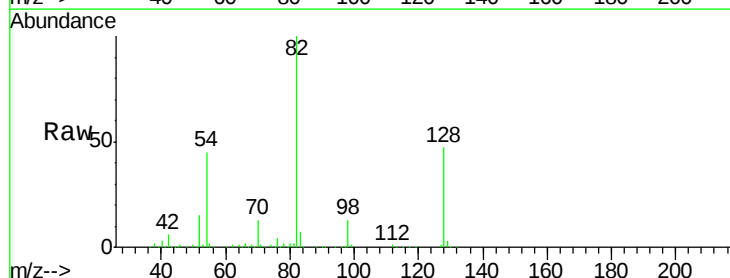
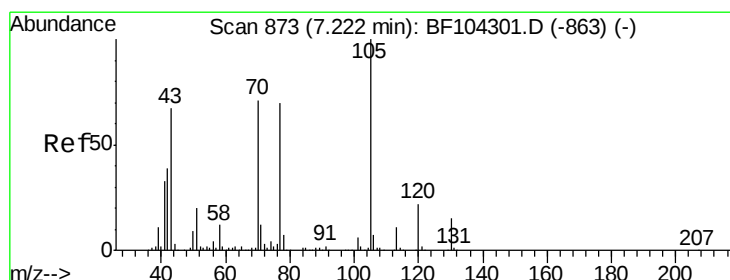
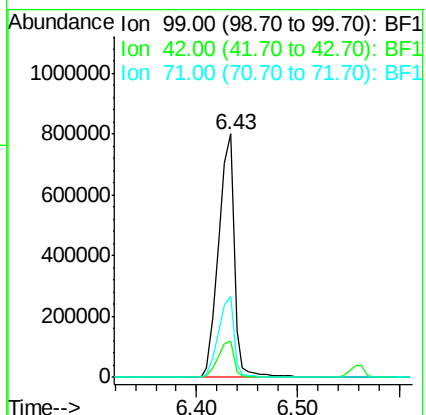
Tgt Ion: 99 Resp: 871863

Ion Ratio Lower Upper

99 100

42 14.7 14.5 21.7

71 33.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.334 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

Tgt Ion: 70 Resp: 71503

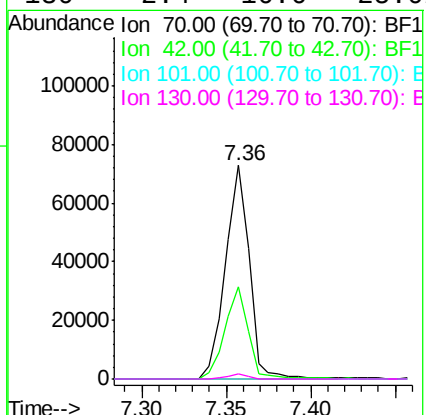
Ion Ratio Lower Upper

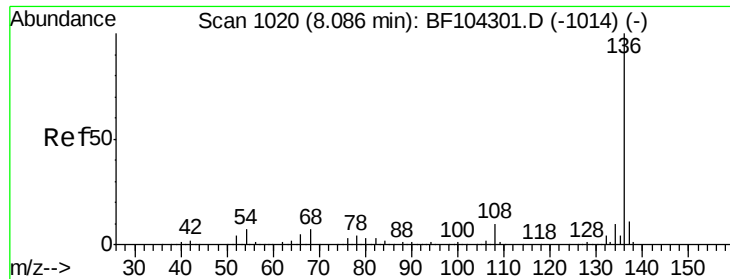
70 100

42 43.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

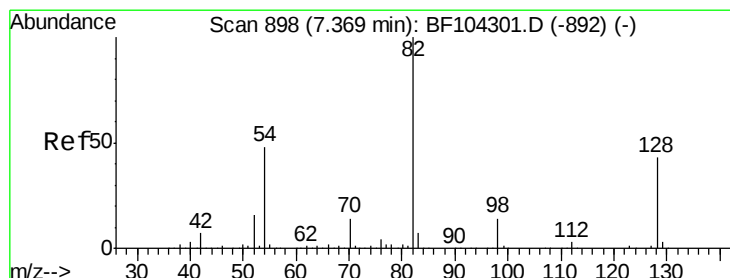
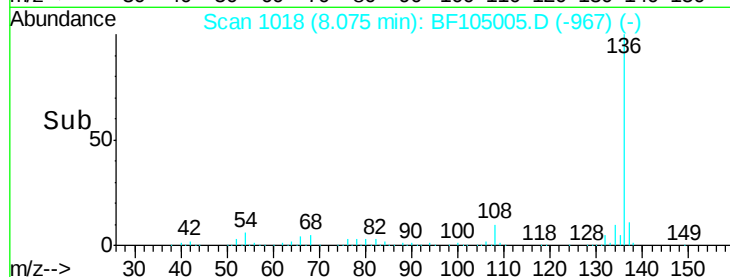
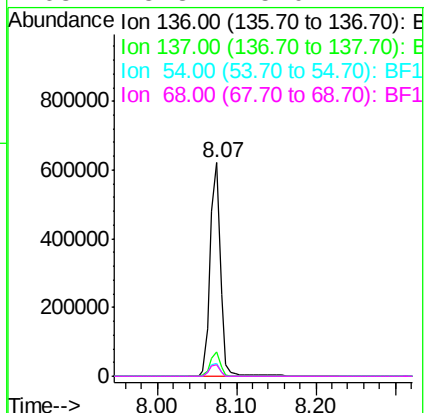
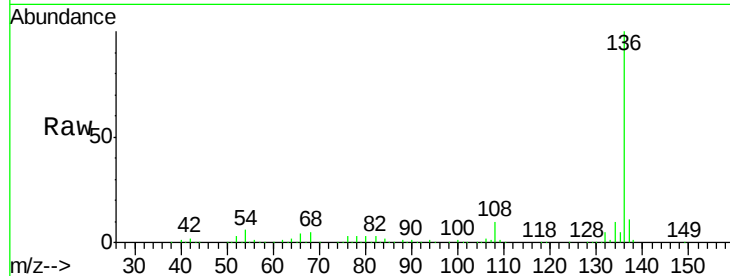




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

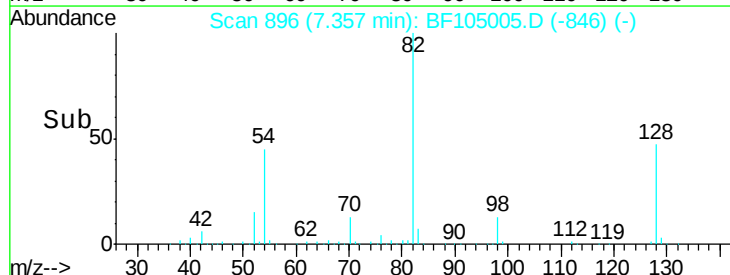
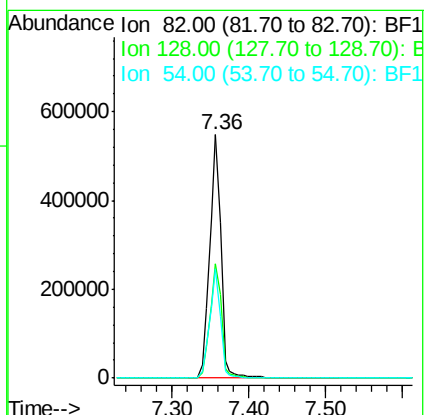
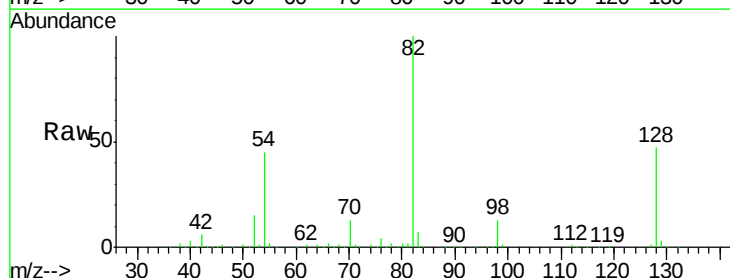
Instrument :
BNA_F
ClientSampleId :
T-14 1.5-2.0

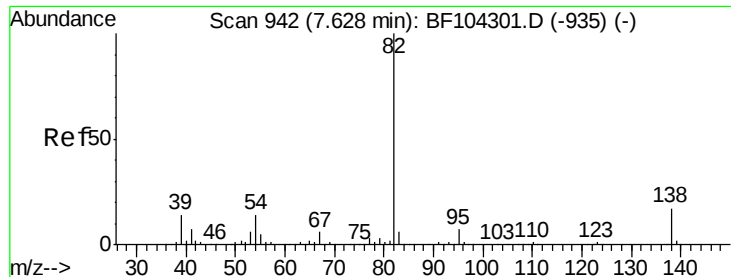
Tgt Ion:	136	Resp:	558485
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.0	6.6	9.8#
68	5.3	5.0	7.4



#23
Nitrobenzene-d5
Concen: 64.295 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:	82	Resp:	549903
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	44.7	41.4	62.2





#25

Isophorone

Concen: 30.407 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

Instrument :

BNA_F

ClientSampleId :

T-14 1.5-2.0

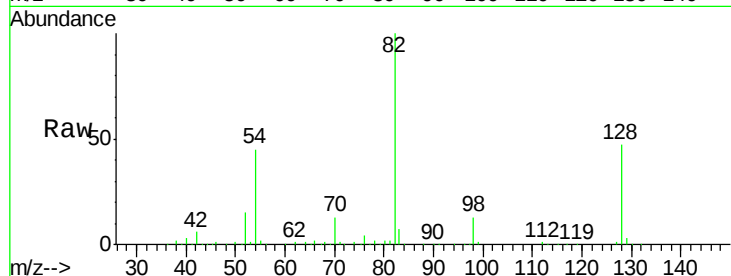
Tgt Ion: 82 Resp: 549947

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

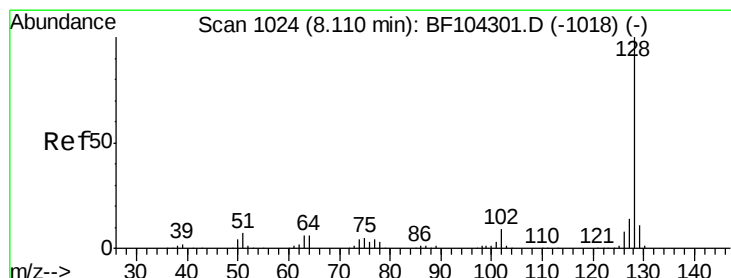
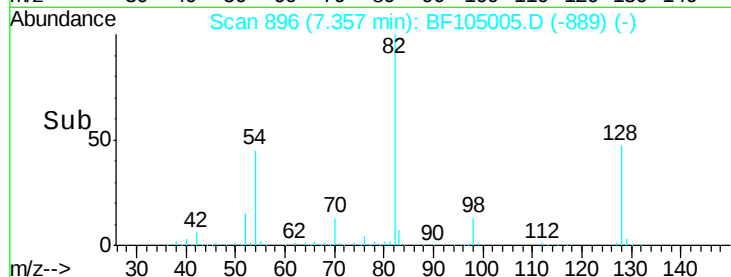
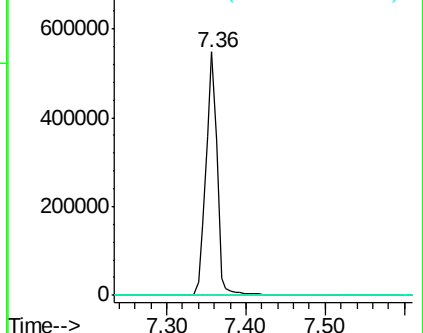
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 20.144 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

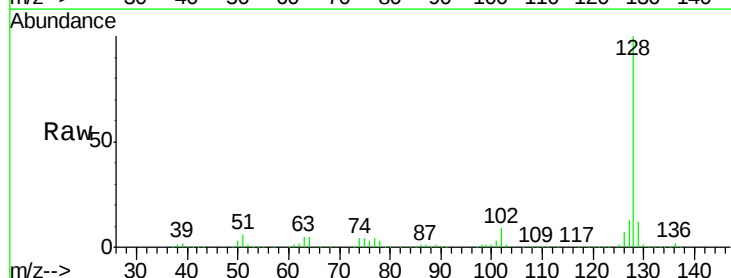
Tgt Ion: 128 Resp: 560202

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

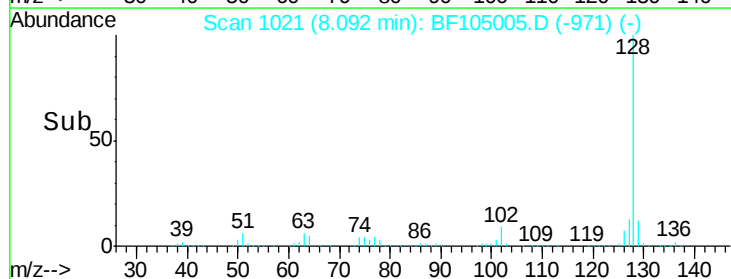
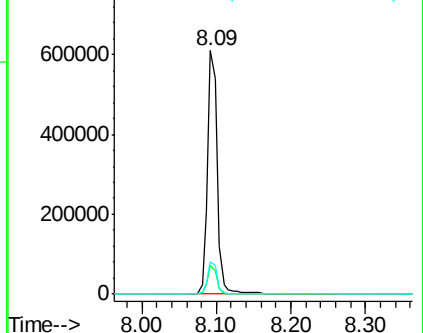
127 13.2 10.9 16.3

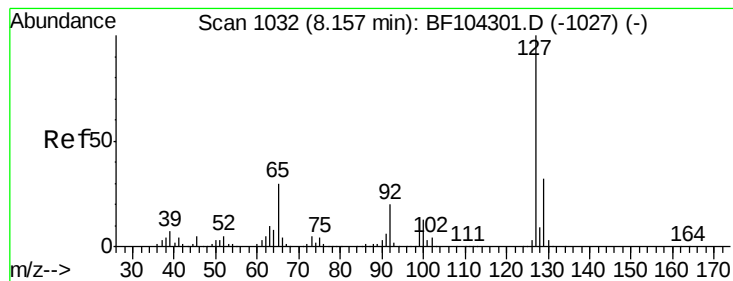


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#33

4-Chloroaniline

Concen: 6.193 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.06 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

Instrument :

BNA_F

ClientSampleId :

T-14 1.5-2.0

Tgt Ion:127 Resp: 73780

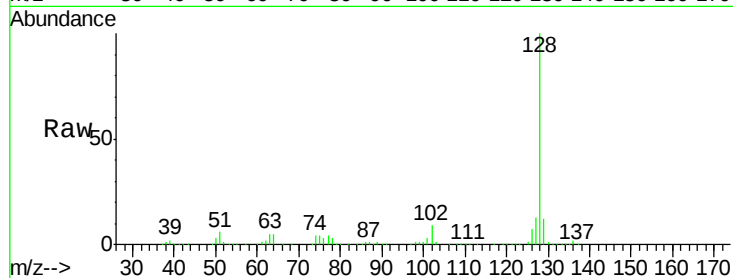
Ion Ratio Lower Upper

127 100

129 88.0 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

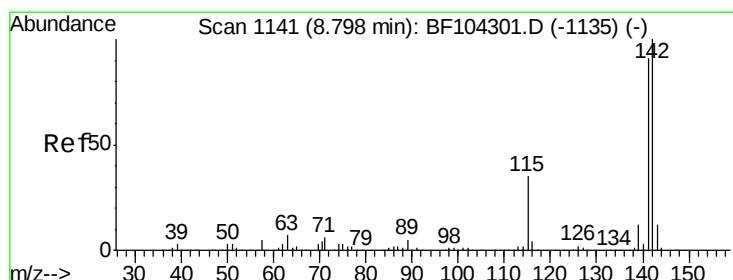
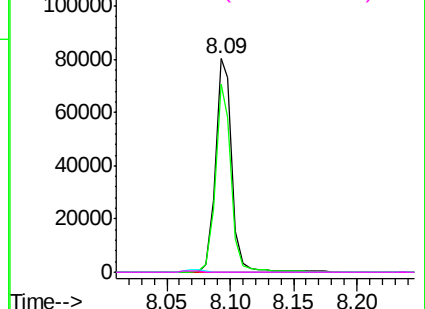
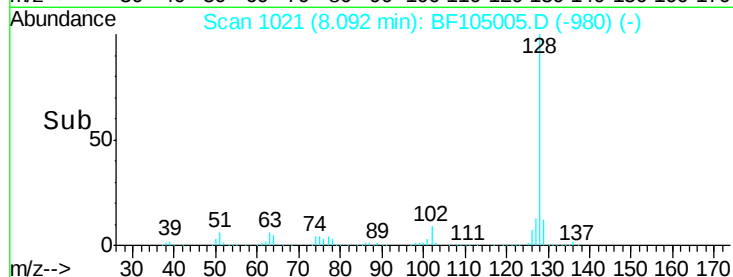


Abundance Ion 127.00 (126.70 to 127.70): E

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: 11.959 ng

RT: 8.79 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

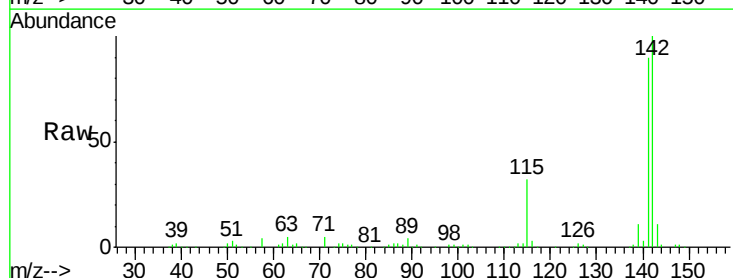
Tgt Ion:142 Resp: 215128

Ion Ratio Lower Upper

142 100

141 90.0 70.8 106.2

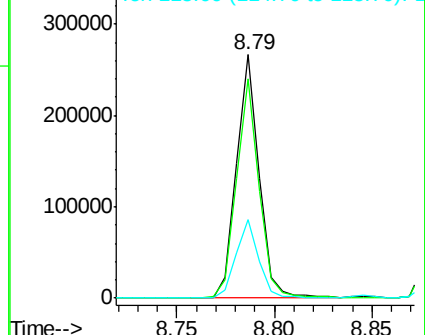
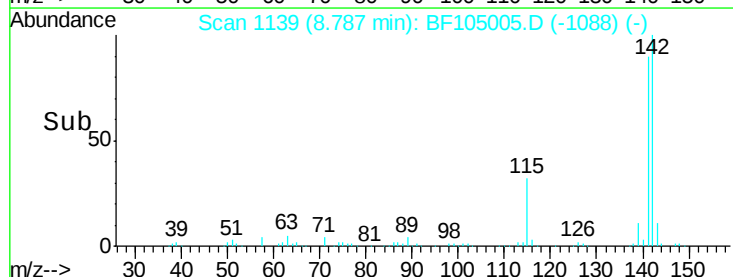
115 32.4 26.1 39.1

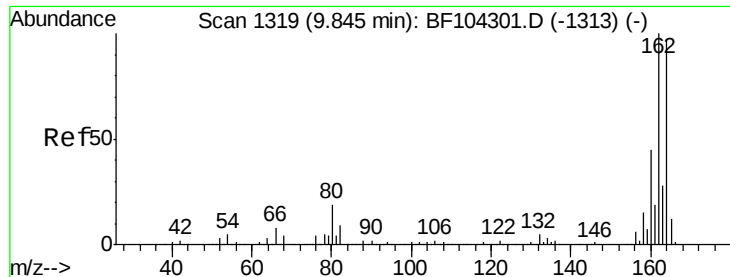


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

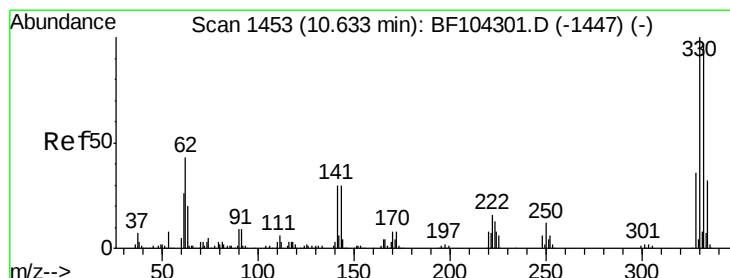
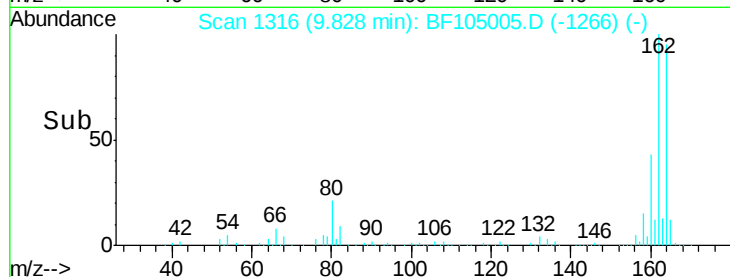
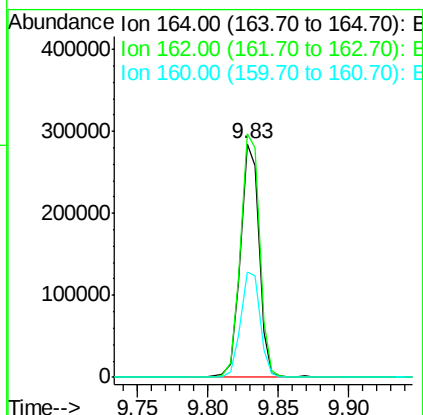
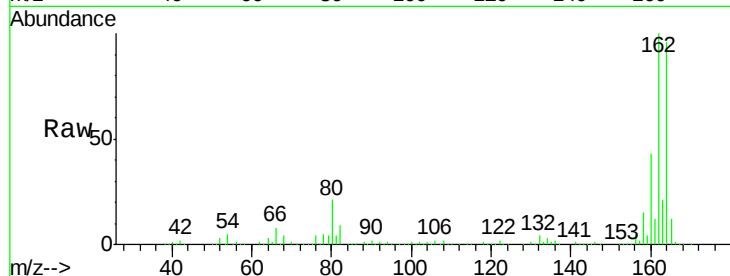




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF105005.D
 Acq: 2 May 2018 2:26

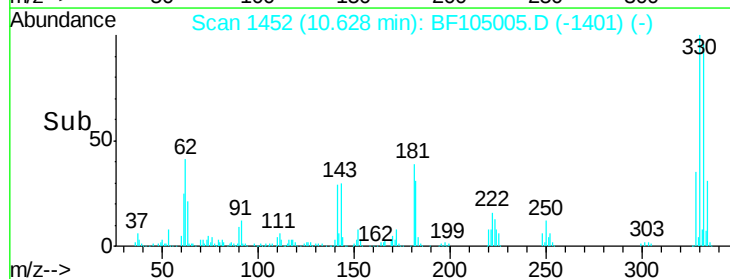
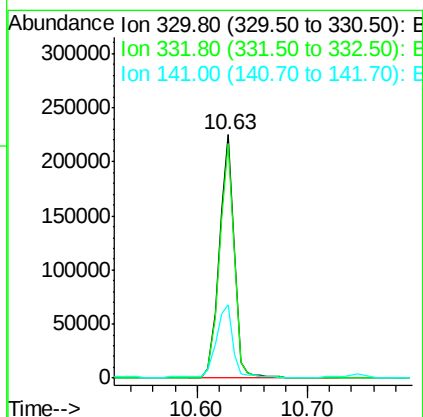
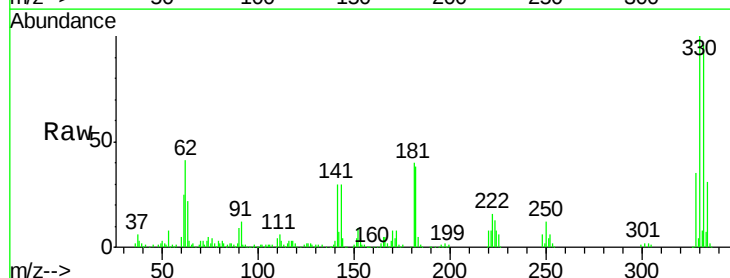
Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.5-2.0

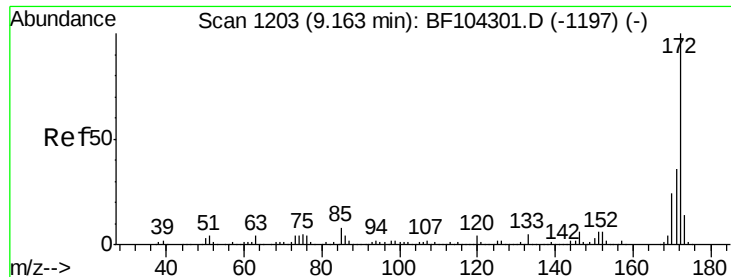
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	45.2	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 77.778 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF105005.D
 Acq: 2 May 2018 2:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	33.8	29.9	44.9

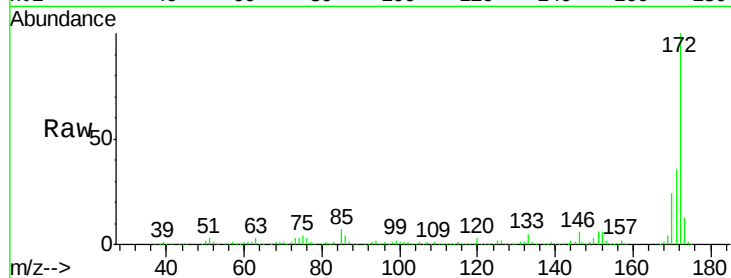




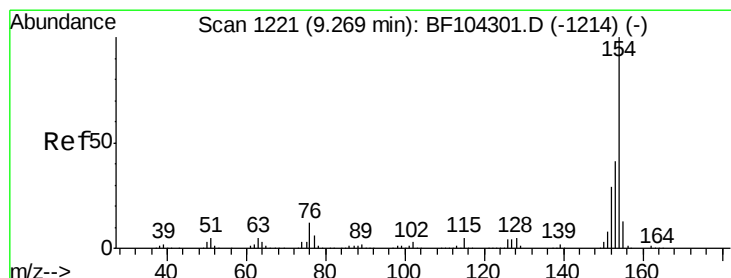
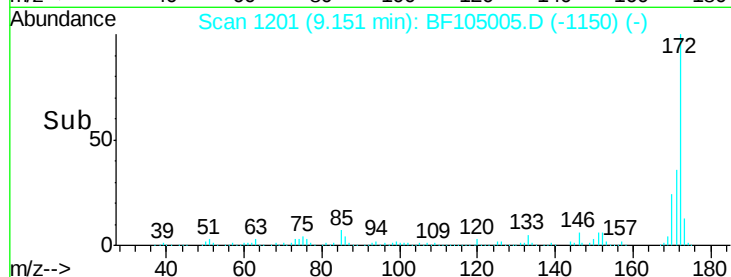
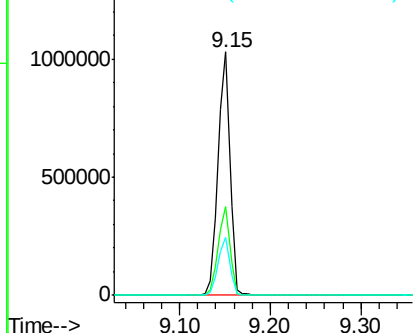
#44
 2-Fluorobiphenyl
 Concen: 56.149 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF105005.D
 Acq: 2 May 2018 2:26

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.5-2.0

Tgt Ion:172 Resp: 933310
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 23.8 19.6 29.4

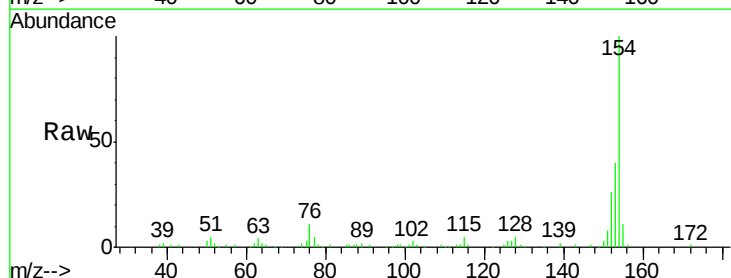


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

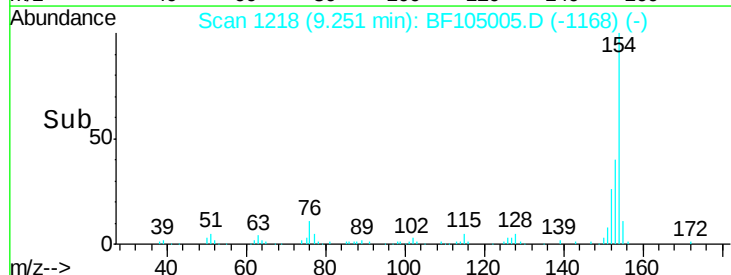
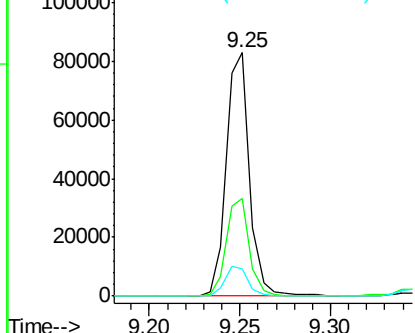


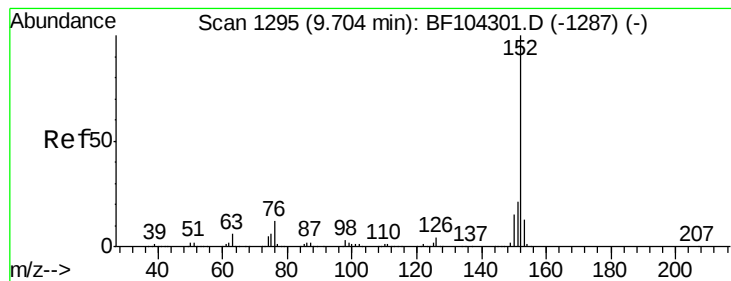
#45
 1,1'-Biphenyl
 Concen: 3.339 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF105005.D
 Acq: 2 May 2018 2:26

Tgt Ion:154 Resp: 73652
 Ion Ratio Lower Upper
 154 100
 153 40.2 21.3 61.3
 76 11.4 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: 2.060 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

Instrument :

BNA_F

ClientSampleId :

T-14 1.5-2.0

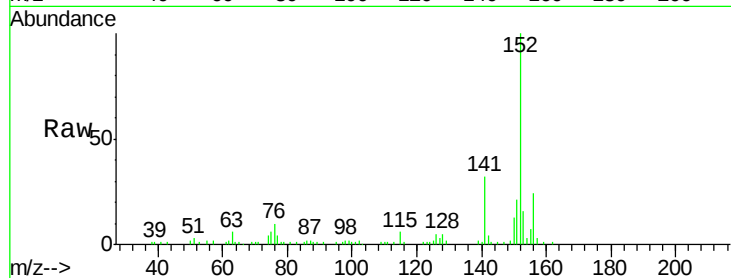
Tgt Ion:152 Resp: 56315

Ion Ratio Lower Upper

152 100

151 21.1 16.3 24.5

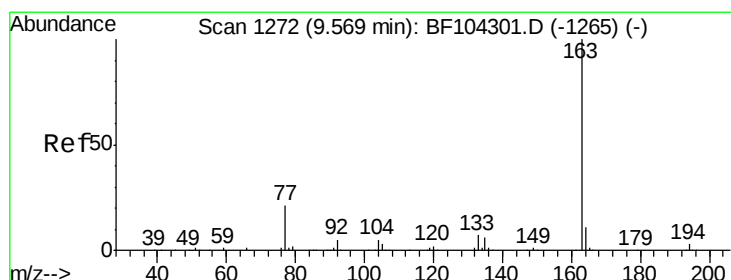
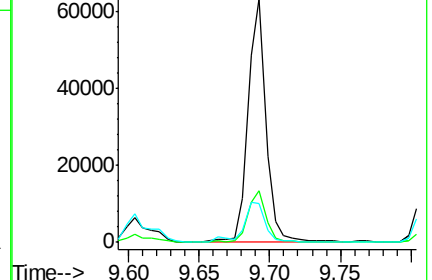
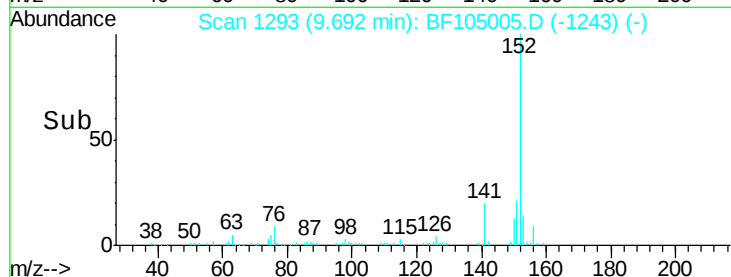
153 16.0 10.7 16.1



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



#49

Dimethylphthalate

Concen: 5.724 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

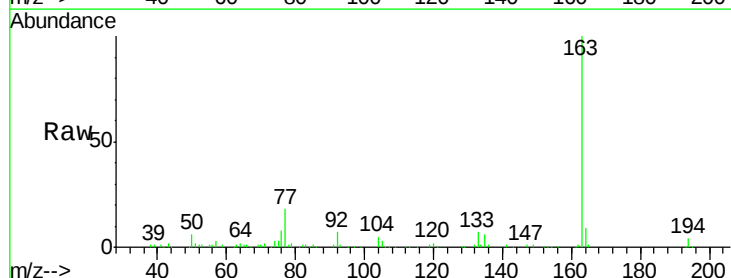
Tgt Ion:163 Resp: 118537

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

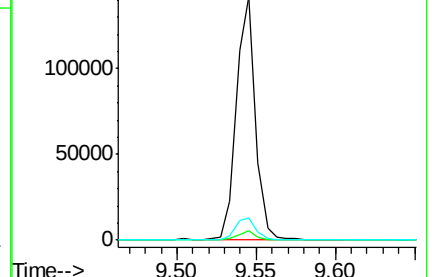
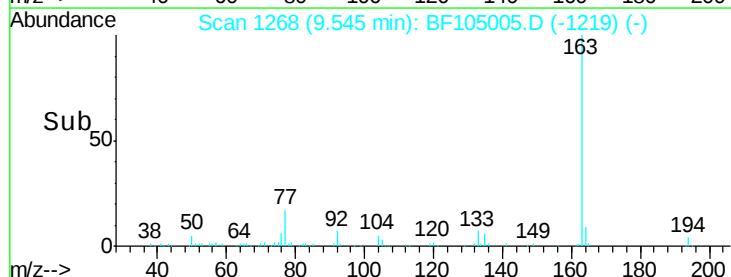
164 9.3 8.2 12.2

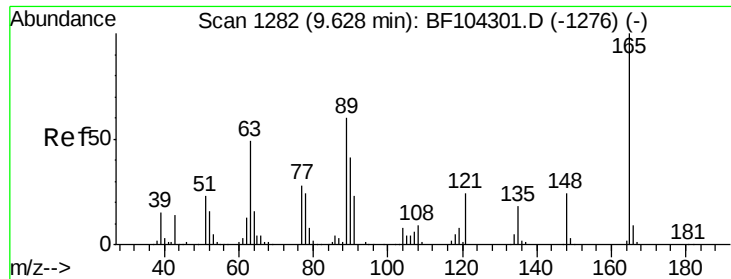


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

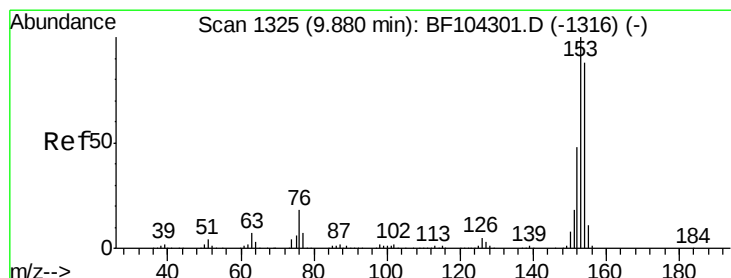
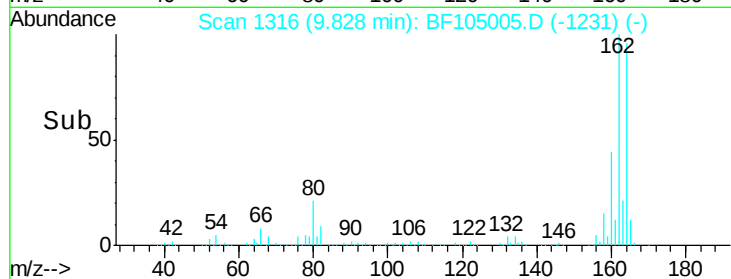
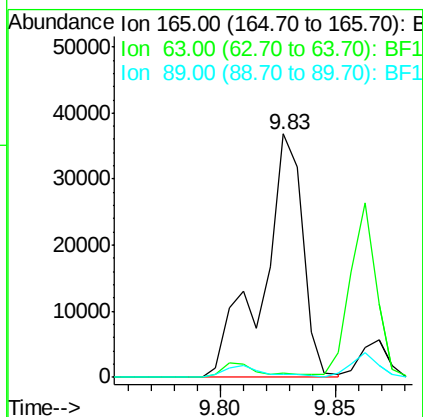
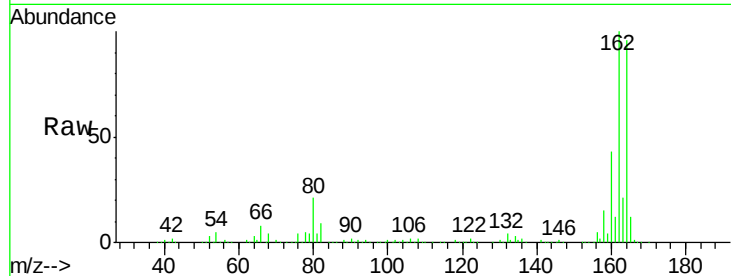




#50
 2,6-Dinitrotoluene
 Concen: 11.581 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.20 min
 Lab File: BF105005.D
 Acq: 2 May 2018 2:26

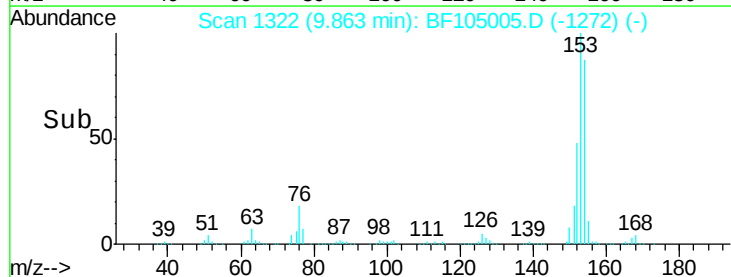
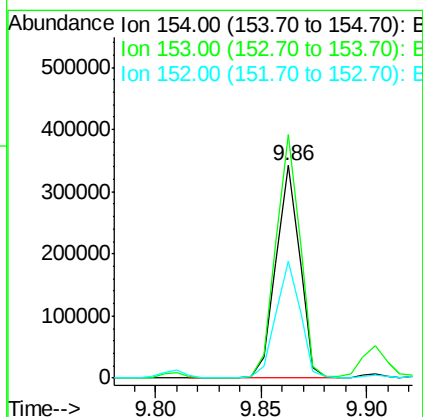
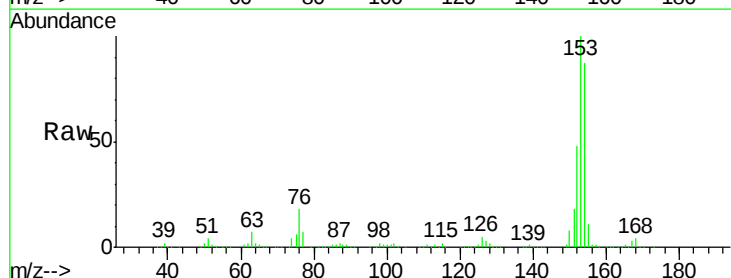
Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.5-2.0

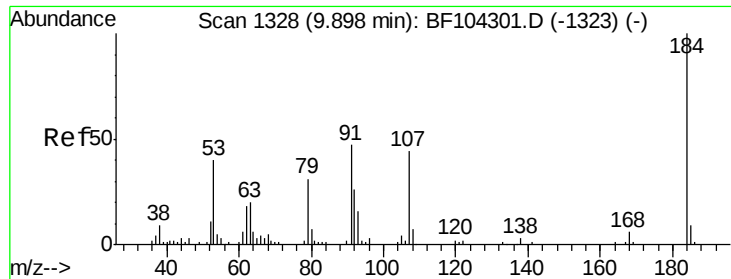
Tgt Ion:165 Resp: 44373
 Ion Ratio Lower Upper
 165 100
 63 1.6 44.7 67.1#
 89 1.2 44.0 66.0#



#51
 Acenaphthene
 Concen: 16.098 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF105005.D
 Acq: 2 May 2018 2:26

Tgt Ion:154 Resp: 268510
 Ion Ratio Lower Upper
 154 100
 153 114.4 91.2 136.8
 152 54.9 43.8 65.8

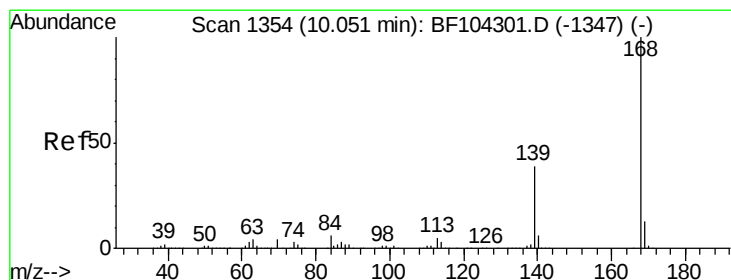
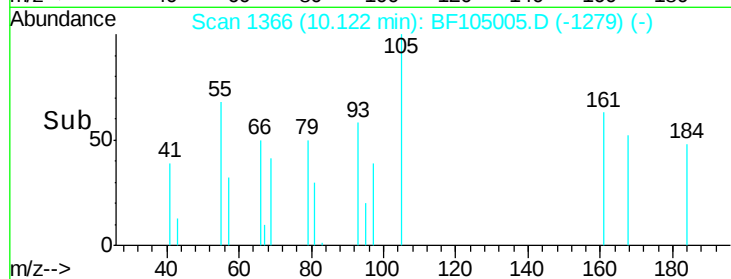
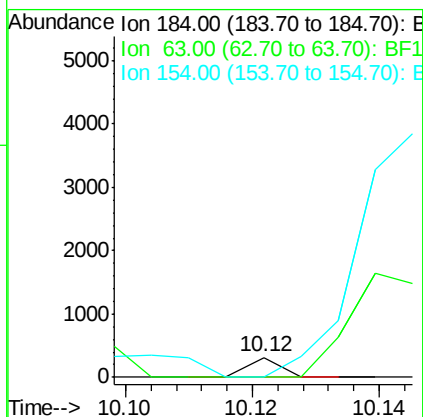
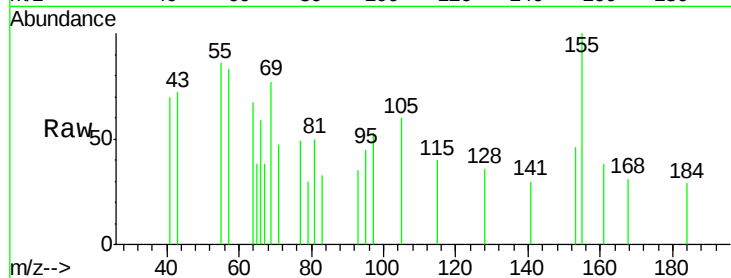




#53
 2,4-Dinitrophenol
 Concen: 5.230 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. 0.21 min
 Lab File: BF105005.D
 Acq: 2 May 2018 2:26

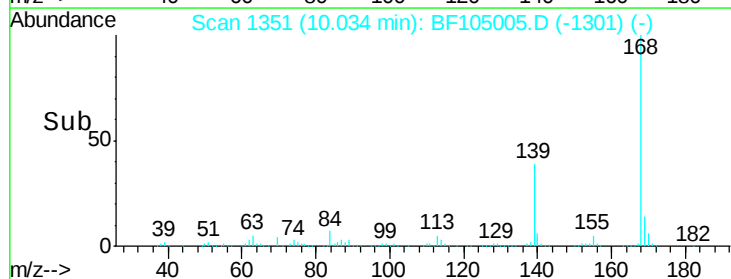
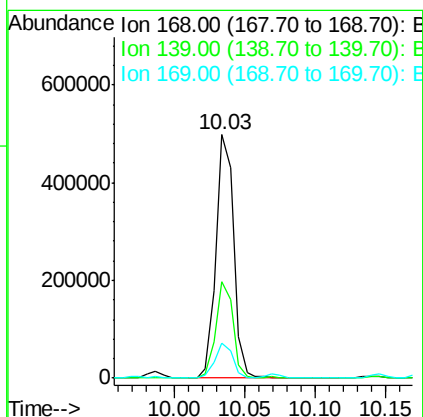
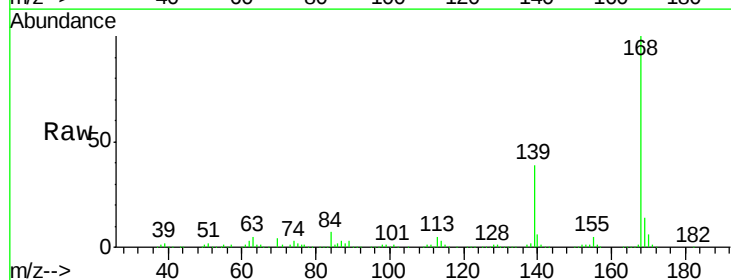
Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.5-2.0

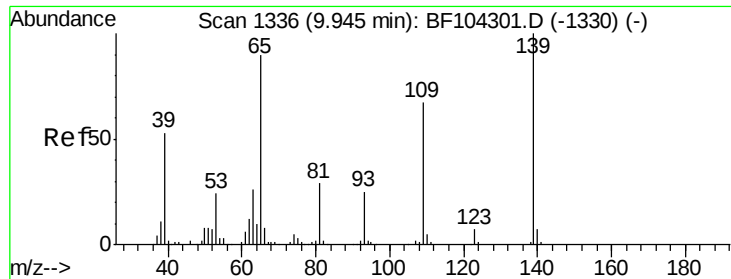
Tgt Ion:184 Resp: 111
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 0.0 184.0 276.0#



#54
 Dibenzofuran
 Concen: 18.735 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: BF105005.D
 Acq: 2 May 2018 2:26

Tgt Ion:168 Resp: 435497
 Ion Ratio Lower Upper
 168 100
 139 39.4 30.1 45.1
 169 14.3 10.9 16.3

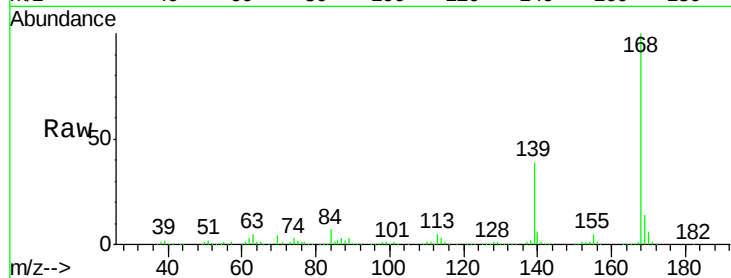




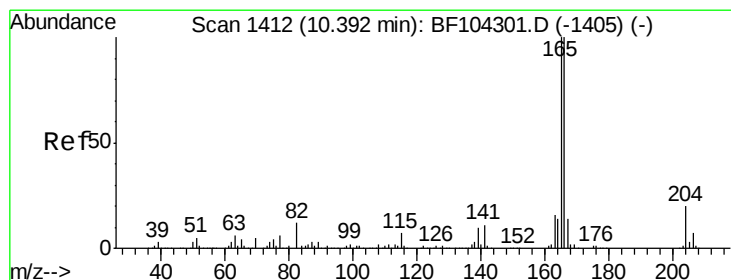
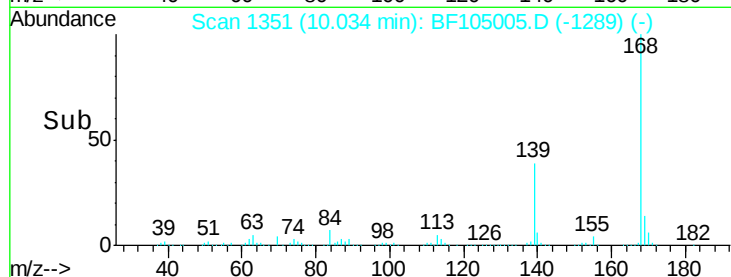
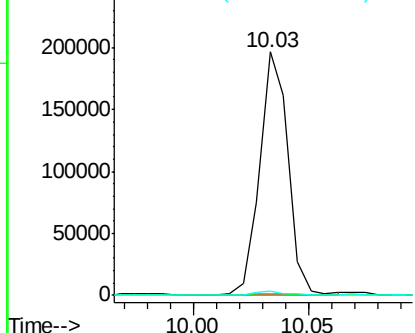
#55
4-Nitrophenol
Concen: 47.693 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.06 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Instrument :
BNA_F
ClientSampleId :
T-14 1.5-2.0

Tgt Ion:139 Resp: 168051
Ion Ratio Lower Upper
139 100
109 0.8 48.4 88.4#
65 1.5 72.6 112.6#

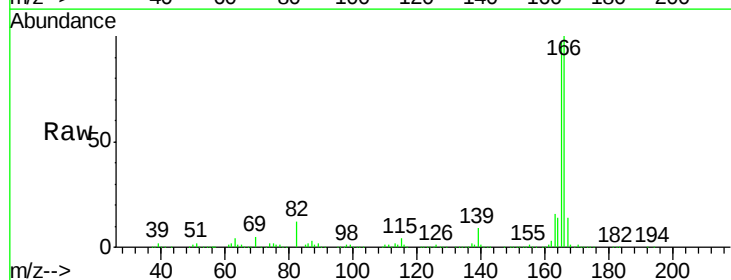


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

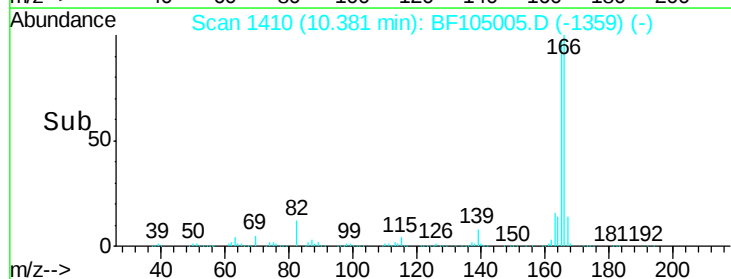
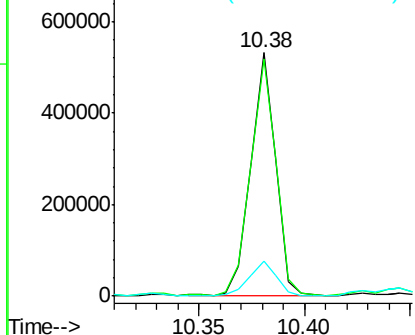


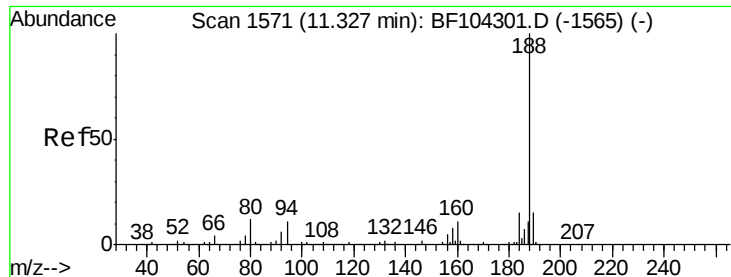
#57
Fluorene
Concen: 25.751 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:166 Resp: 435680
Ion Ratio Lower Upper
166 100
165 97.2 79.8 119.8
167 14.3 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

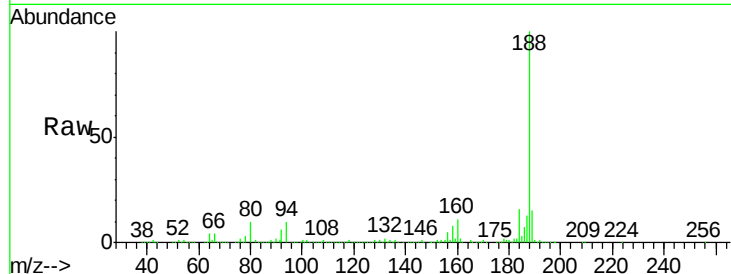




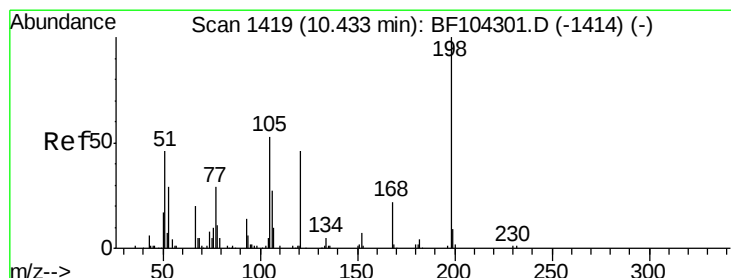
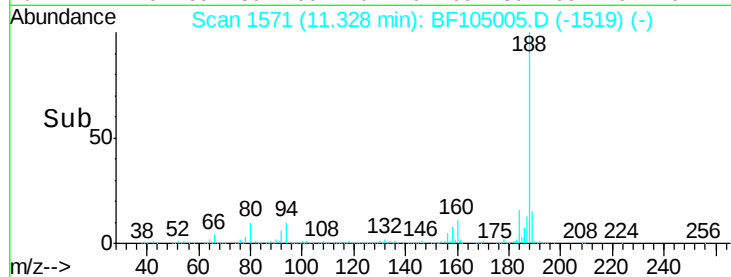
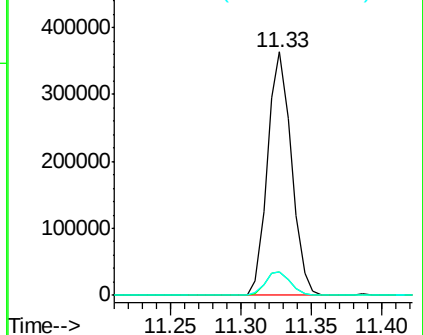
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Instrument :
BNA_F
ClientSampleId :
T-14 1.5-2.0

Tgt Ion:188 Resp: 434723
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 9.8 9.2 13.8

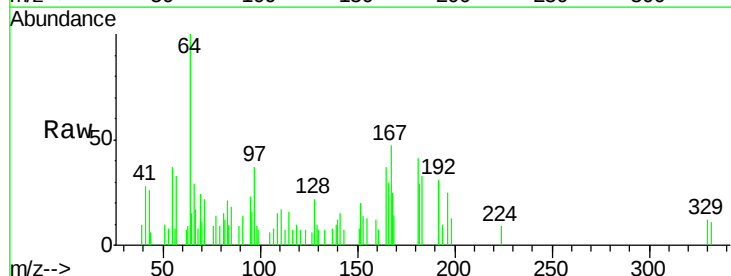


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

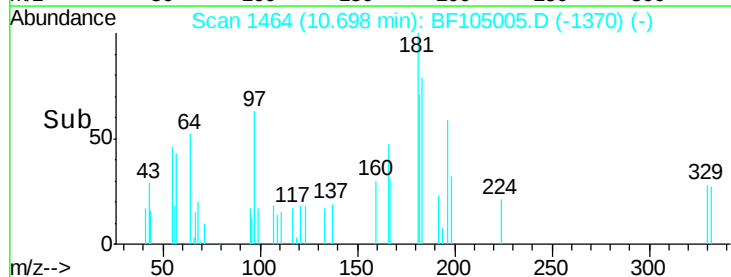
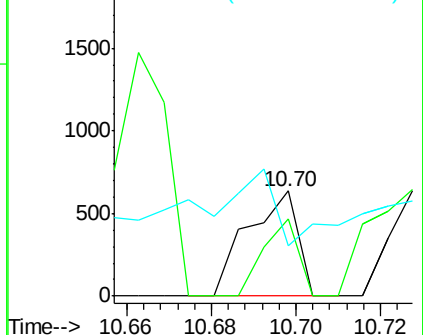


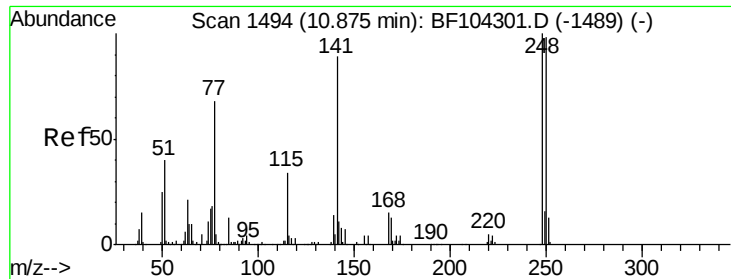
#64
4,6-Dinitro-2-methylphenol
Concen: 7.557 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.25 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:198 Resp: 524
Ion Ratio Lower Upper
198 100
51 73.6 37.7 77.7
105 48.1 36.3 76.3



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

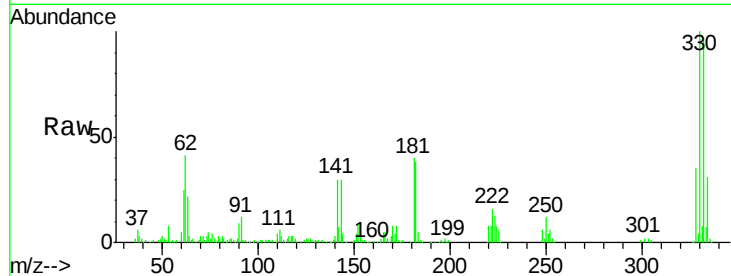




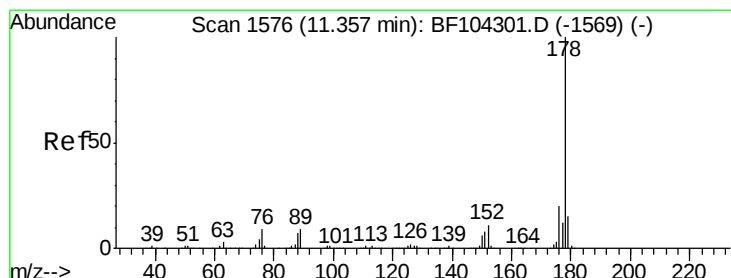
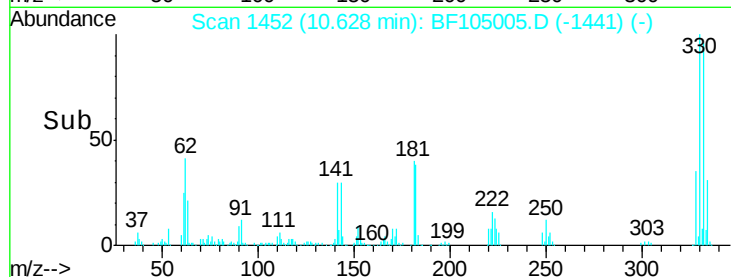
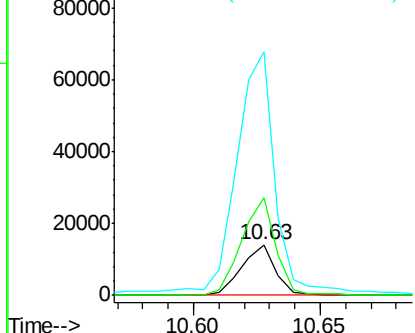
#66
 4-Bromophenyl-phenylether
 Concen: 2.774 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF105005.D
 Acq: 2 May 2018 2:26

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.5-2.0

Tgt Ion:248 Resp: 12828
 Ion Ratio Lower Upper
 248 100
 250 194.7 76.9 115.3#
 141 483.4 74.4 111.6#

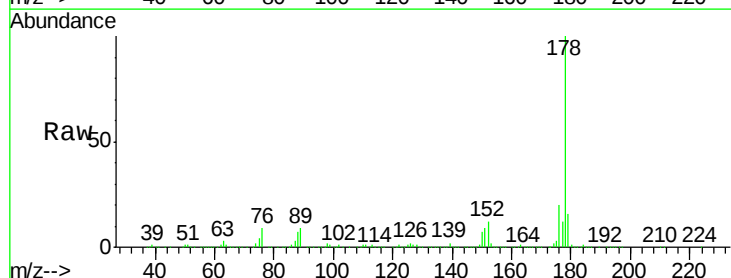


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

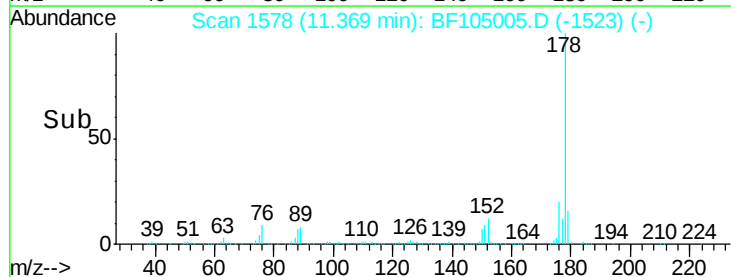
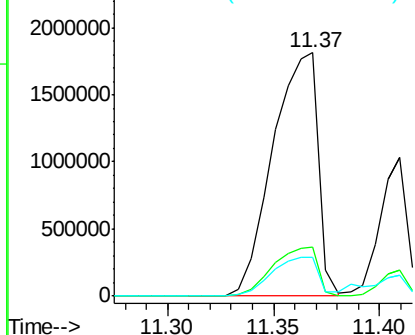


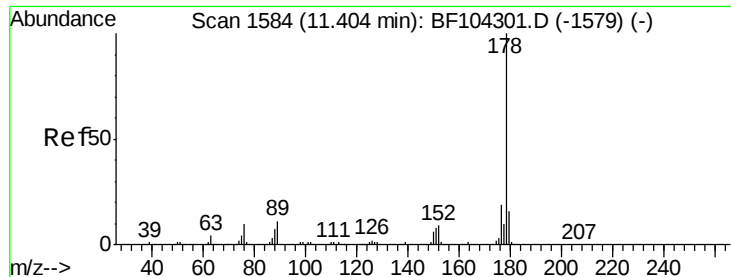
#70
 Phenanthrene
 Concen: 111.707 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. 0.02 min
 Lab File: BF105005.D
 Acq: 2 May 2018 2:26

Tgt Ion:178 Resp: 2704359
 Ion Ratio Lower Upper
 178 100
 176 20.4 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

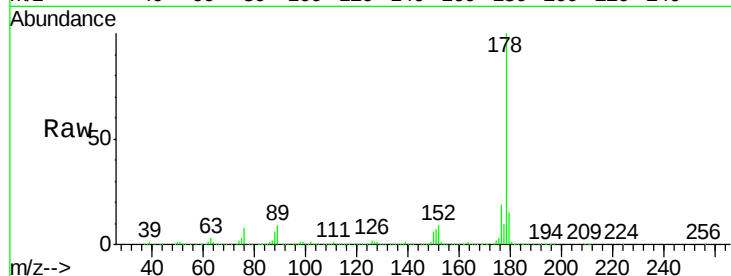




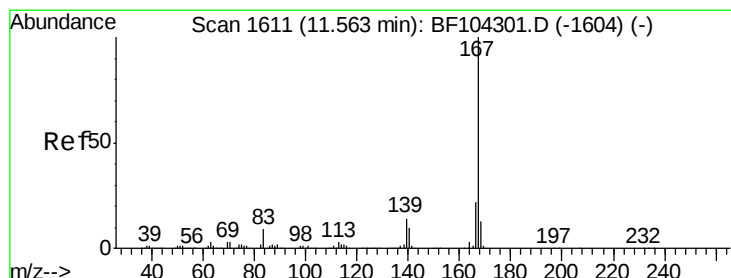
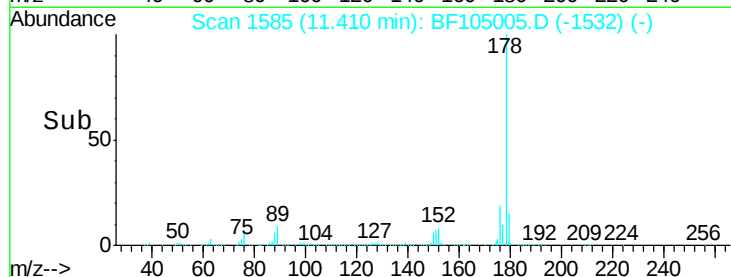
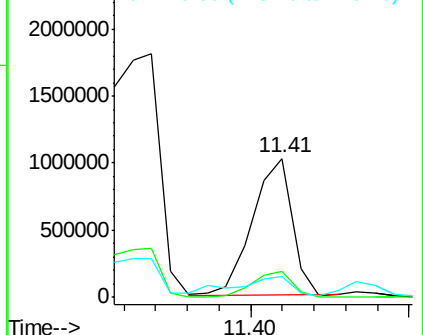
#71
 Anthracene
 Concen: 36.221 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: BF105005.D
 Acq: 2 May 2018 2:26

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.5-2.0

Tgt Ion:178 Resp: 891374
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 15.4 12.6 19.0

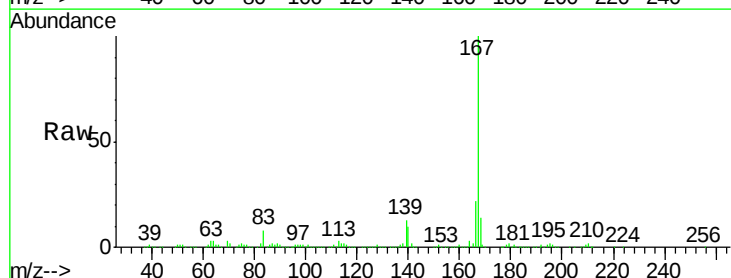


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

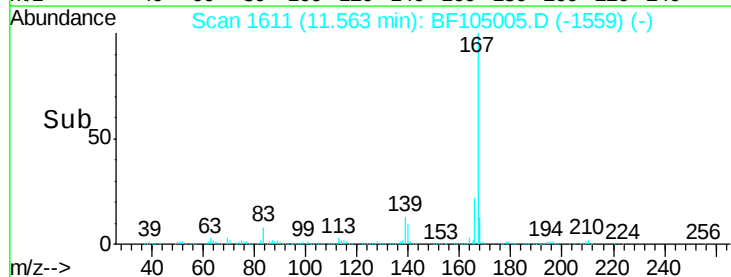
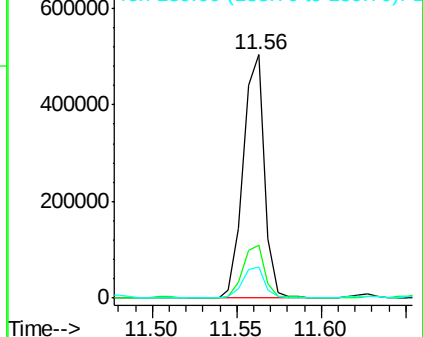


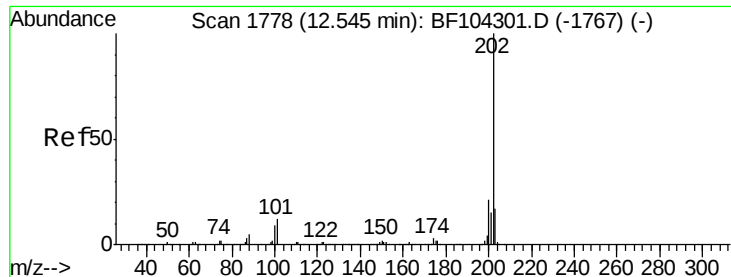
#72
 Carbazole
 Concen: 18.286 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF105005.D
 Acq: 2 May 2018 2:26

Tgt Ion:167 Resp: 439743
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 13.0 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: 100.568 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.02 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

Instrument :

BNA_F

ClientSampleId :

T-14 1.5-2.0

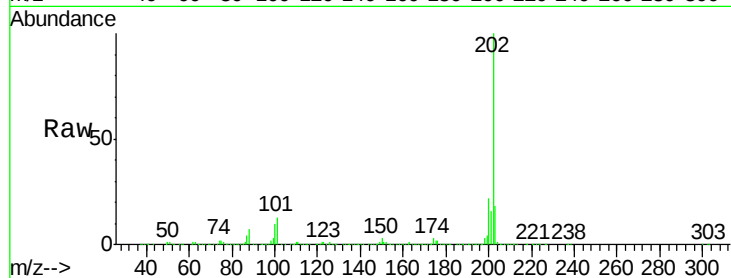
Tgt Ion:202 Resp: 2543790

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

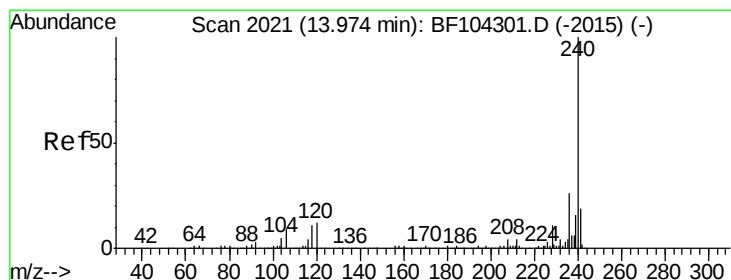
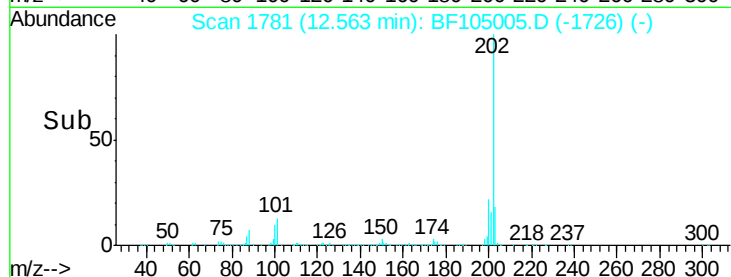
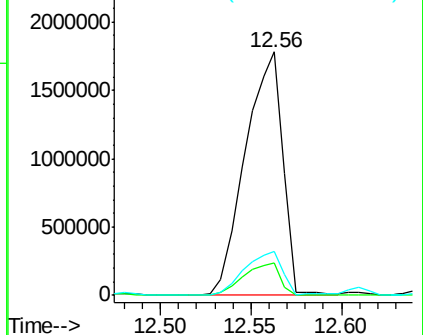
203 18.2 0.0 38.1



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: 14.02 min Scan# 2028

Delta R.T. 0.04 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

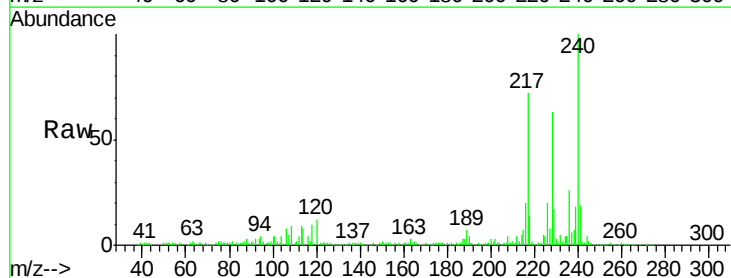
Tgt Ion:240 Resp: 253614

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

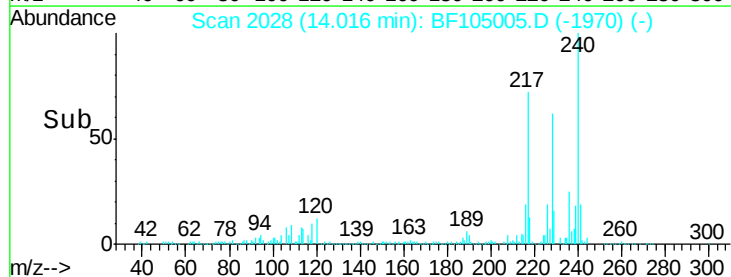
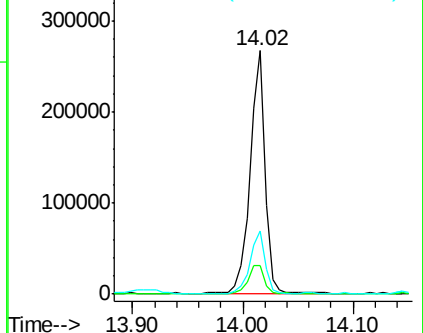
236 26.0 20.7 31.1

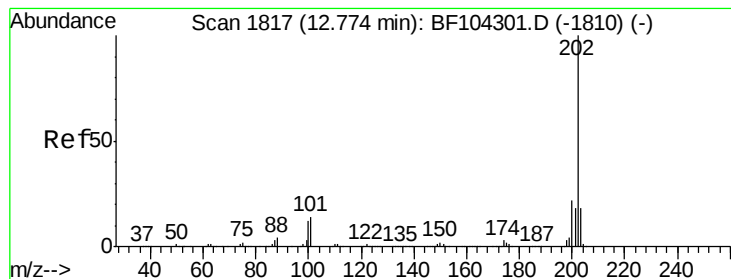


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 118.752 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.02 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

Instrument :

BNA_F

ClientSampleId :

T-14 1.5-2.0

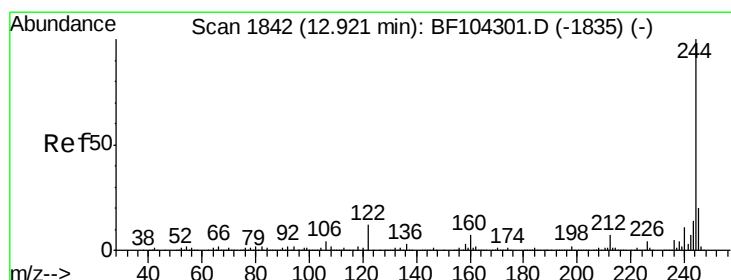
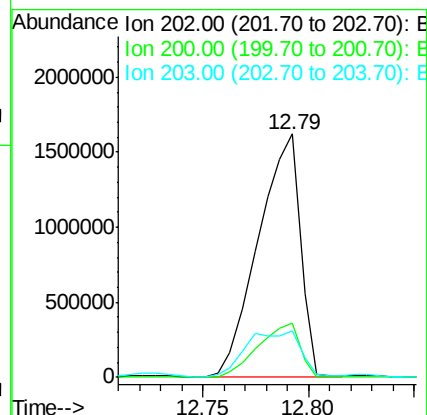
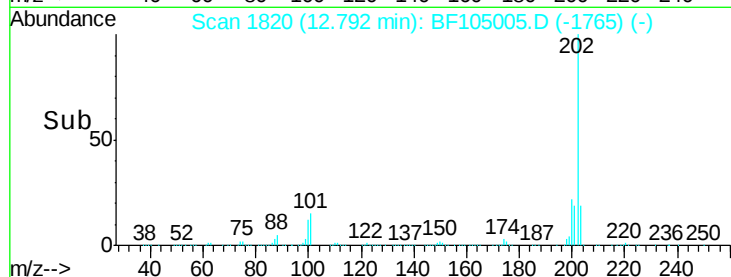
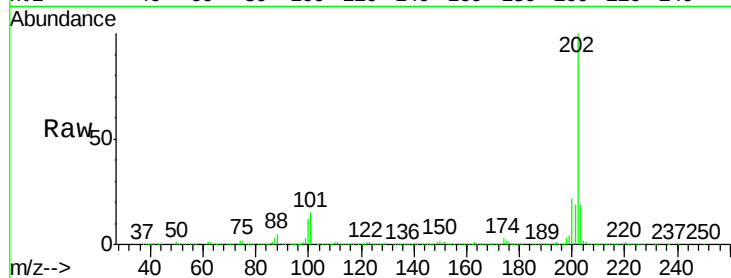
Tgt Ion:202 Resp: 2232393

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

203 19.3 14.3 21.5



#78

Terphenyl-d14

Concen: 66.545 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

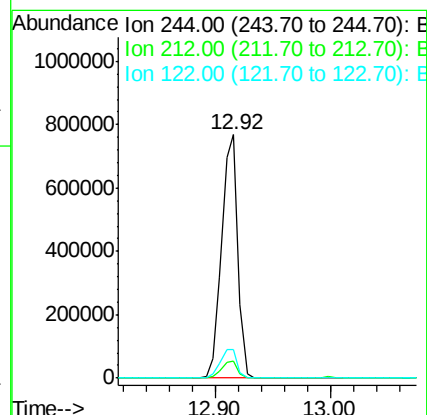
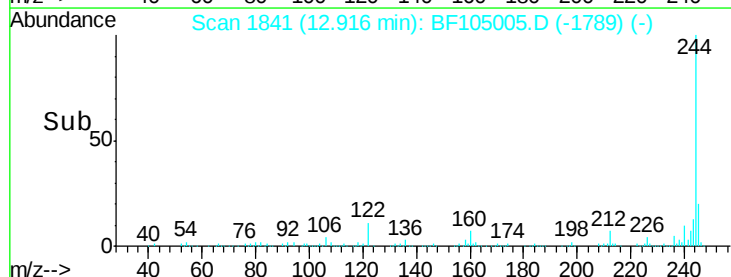
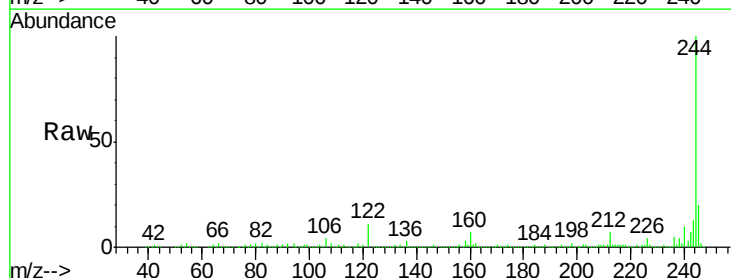
Tgt Ion:244 Resp: 740268

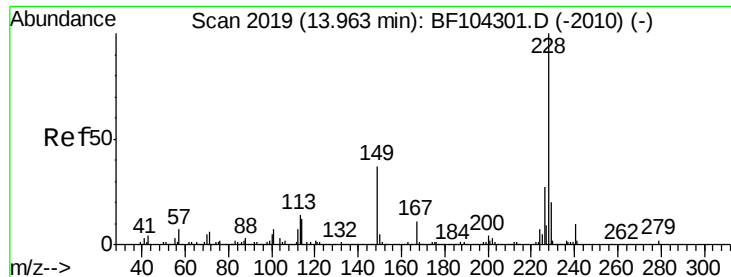
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 11.5 11.0 16.4

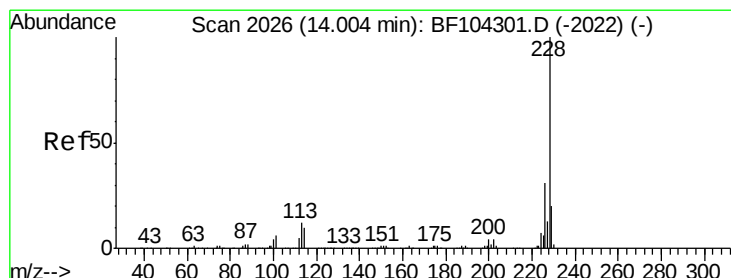
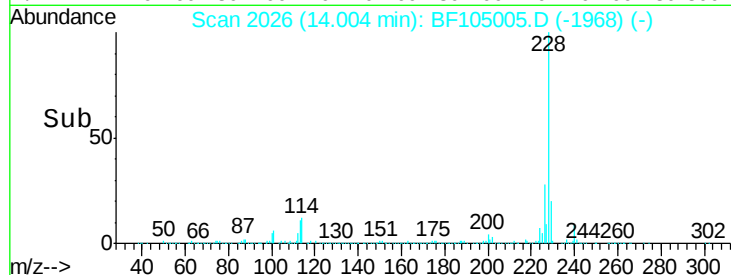
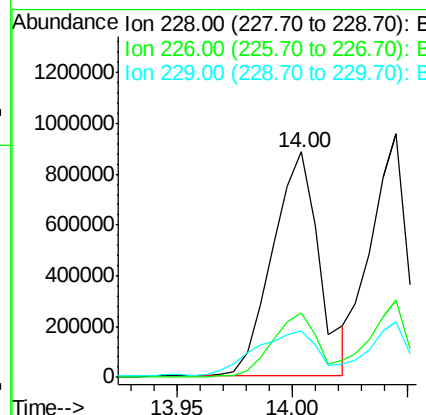
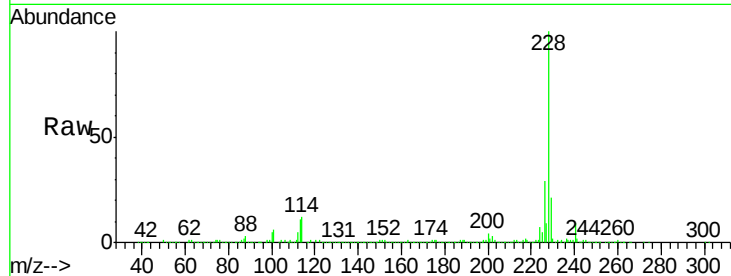




#80
Benzo(a)anthracene
Concen: 82.084 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.04 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

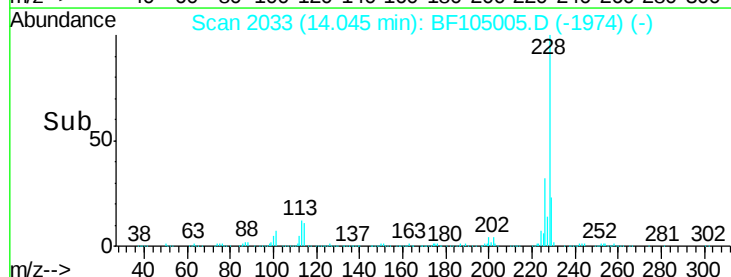
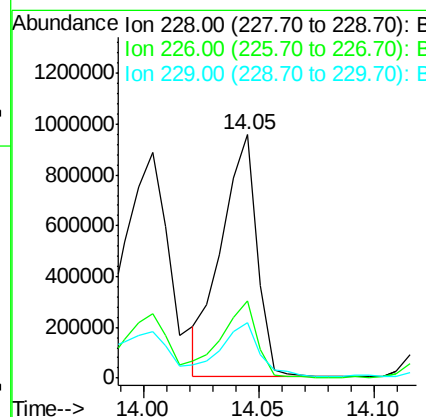
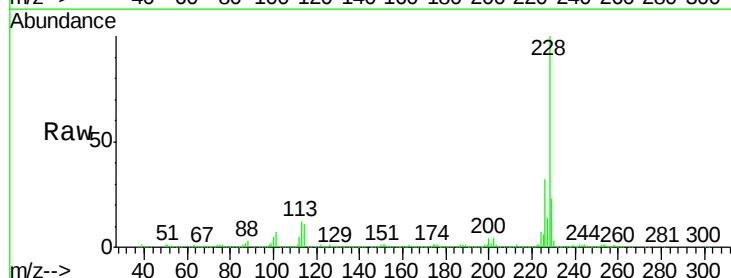
Instrument :
BNA_F
ClientSampleId :
T-14 1.5-2.0

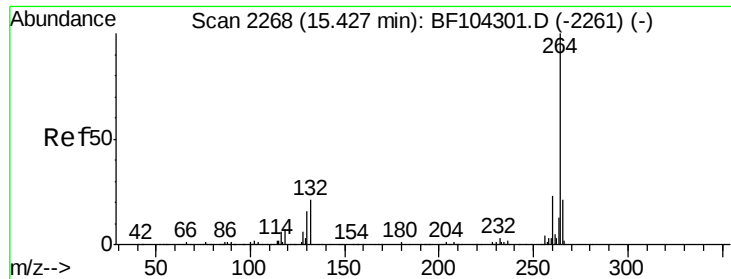
Tgt Ion:228 Resp: 1243665
Ion Ratio Lower Upper
228 100
226 28.7 22.6 33.8
229 20.8 15.8 23.6



#82
Chrysene
Concen: 65.933 ng
RT: 14.05 min Scan# 2033
Delta R.T. 0.05 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:228 Resp: 1026091
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.6
229 23.0 16.2 24.4

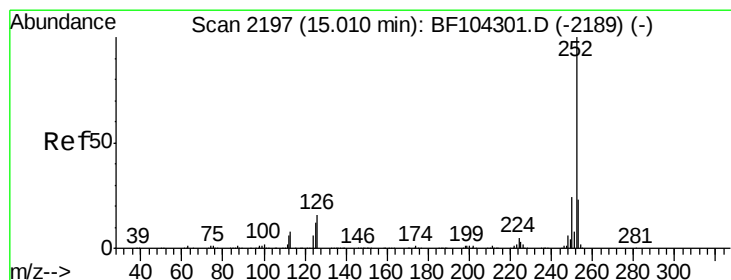
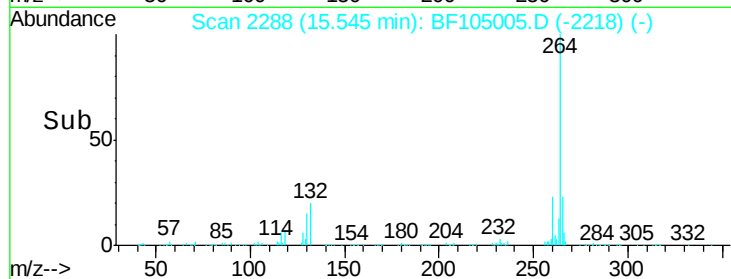
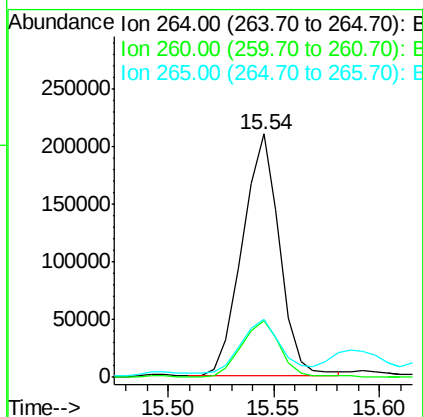
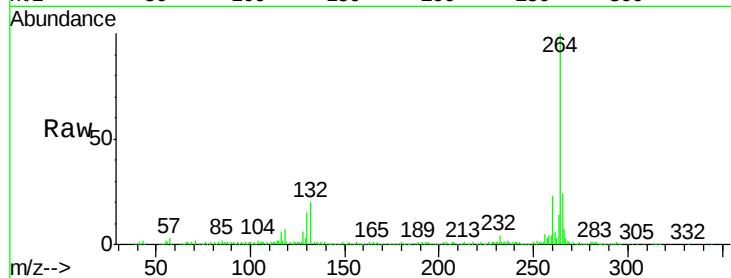




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.11 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

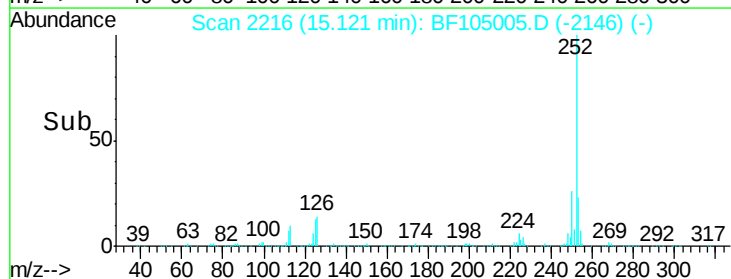
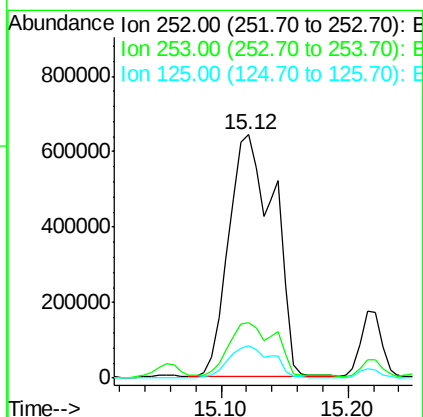
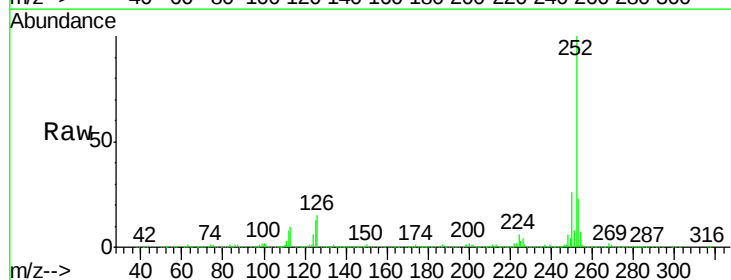
Instrument :
BNA_F
ClientSampleId :
T-14 1.5-2.0

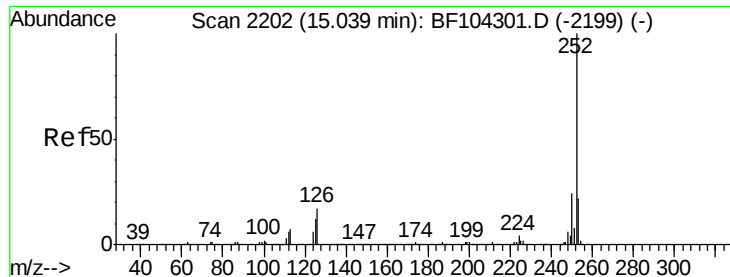
Tgt Ion:264 Resp: 255590
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 23.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 99.089 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.11 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:252 Resp: 1599562
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 13.1 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 104.958 ng

RT: 15.12 min Scan# 2216

Delta R.T. 0.08 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

Instrument :

BNA_F

ClientSampleId :

T-14 1.5-2.0

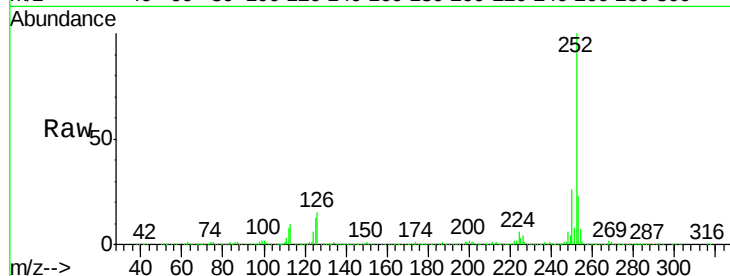
Tgt Ion:252 Resp: 1599562

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

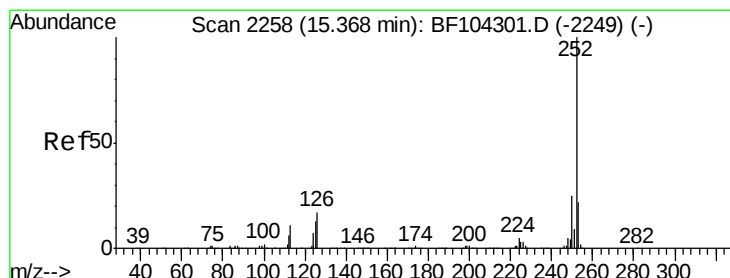
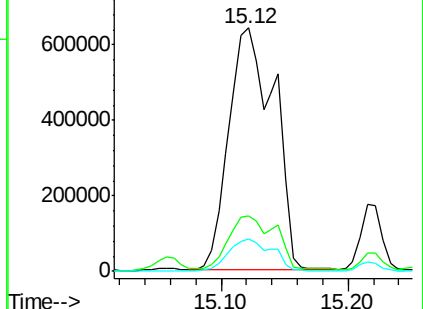
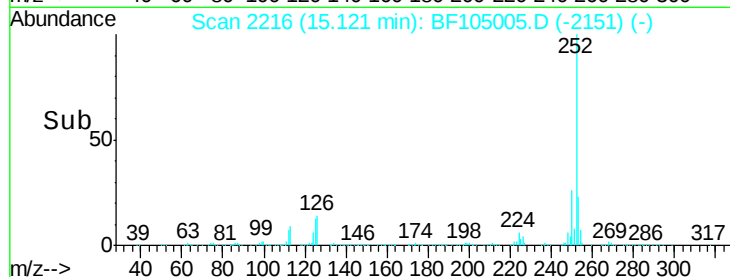
125 13.1 10.2 15.2



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



#89

Benzo(a)pyrene

Concen: 58.871 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.12 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

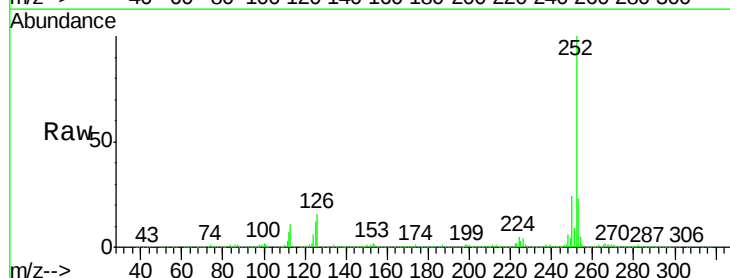
Tgt Ion:252 Resp: 850313

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

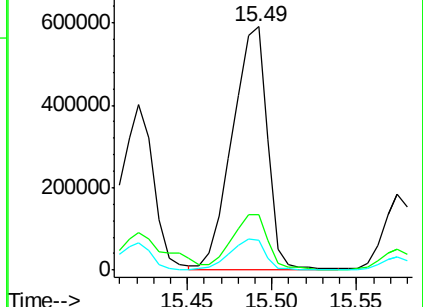
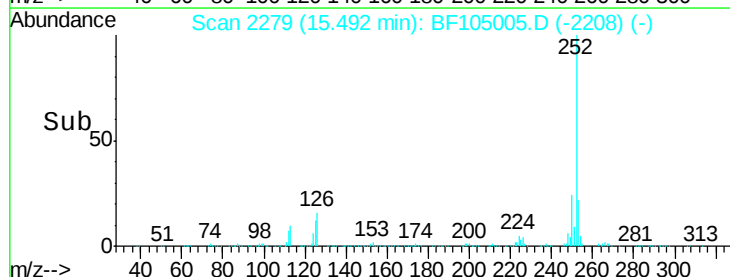
125 12.4 9.8 14.6

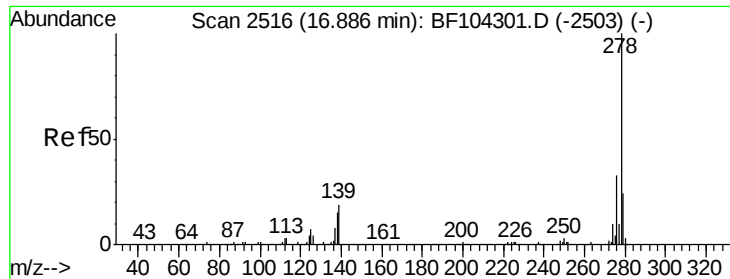


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 9.400 ng

RT: 17.19 min Scan# 2568

Delta R.T. 0.28 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

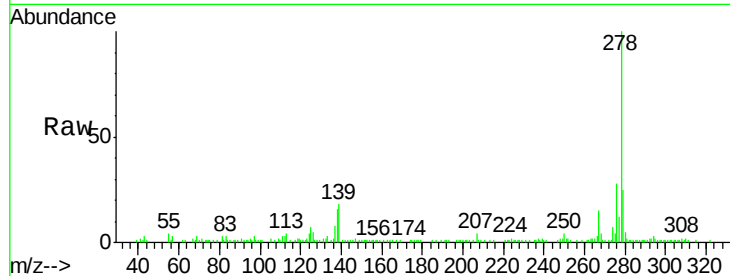
Instrument :

BNA_F

ClientSampleId :

T-14 1.5-2.0

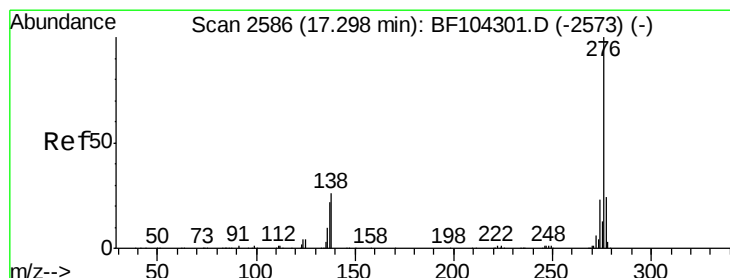
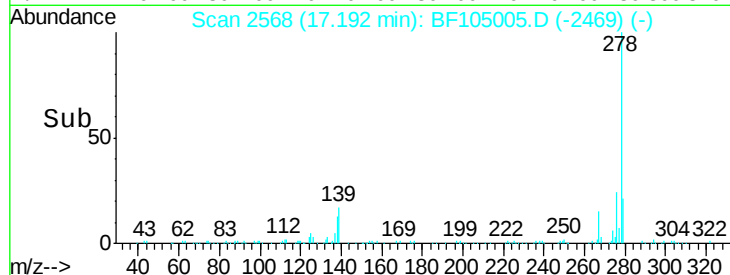
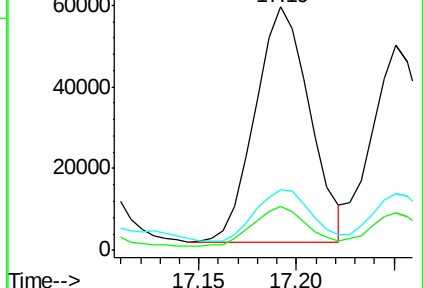
Tgt Ion:	278	Resp:	111506
Ion	Ratio	Lower	Upper
278	100		
139	17.9	15.9	23.9
279	24.9	19.0	28.4



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: 34.217 ng

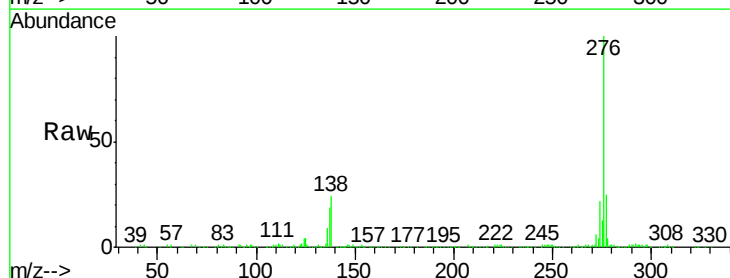
RT: 17.48 min Scan# 2617

Delta R.T. 0.14 min

Lab File: BF105005.D

Acq: 2 May 2018 2:26

Tgt Ion:	276	Resp:	393247
Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	24.1	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

