

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104409.D
 Acq On : 10 Apr 2018 15:27
 Operator : JU/SJ
 Sample : J2156-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 16:29:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	133748	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	525845	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	219034	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	315734	20.00	ng	0.00
75) Chrysene-d12	13.99	240	260248	20.00	ng	0.00
86) Perylene-d12	15.46	264	193835	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	396916	45.38	ng	0.00
7) Phenol-d6	6.43	99	488029	45.41	ng	-0.01
23) Nitrobenzene-d5	7.37	82	282658	35.10	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	86585	38.11	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	519108	37.44	ng	0.00
78) Terphenyl-d14	12.93	244	369775	32.39	ng	0.00

Target Compounds

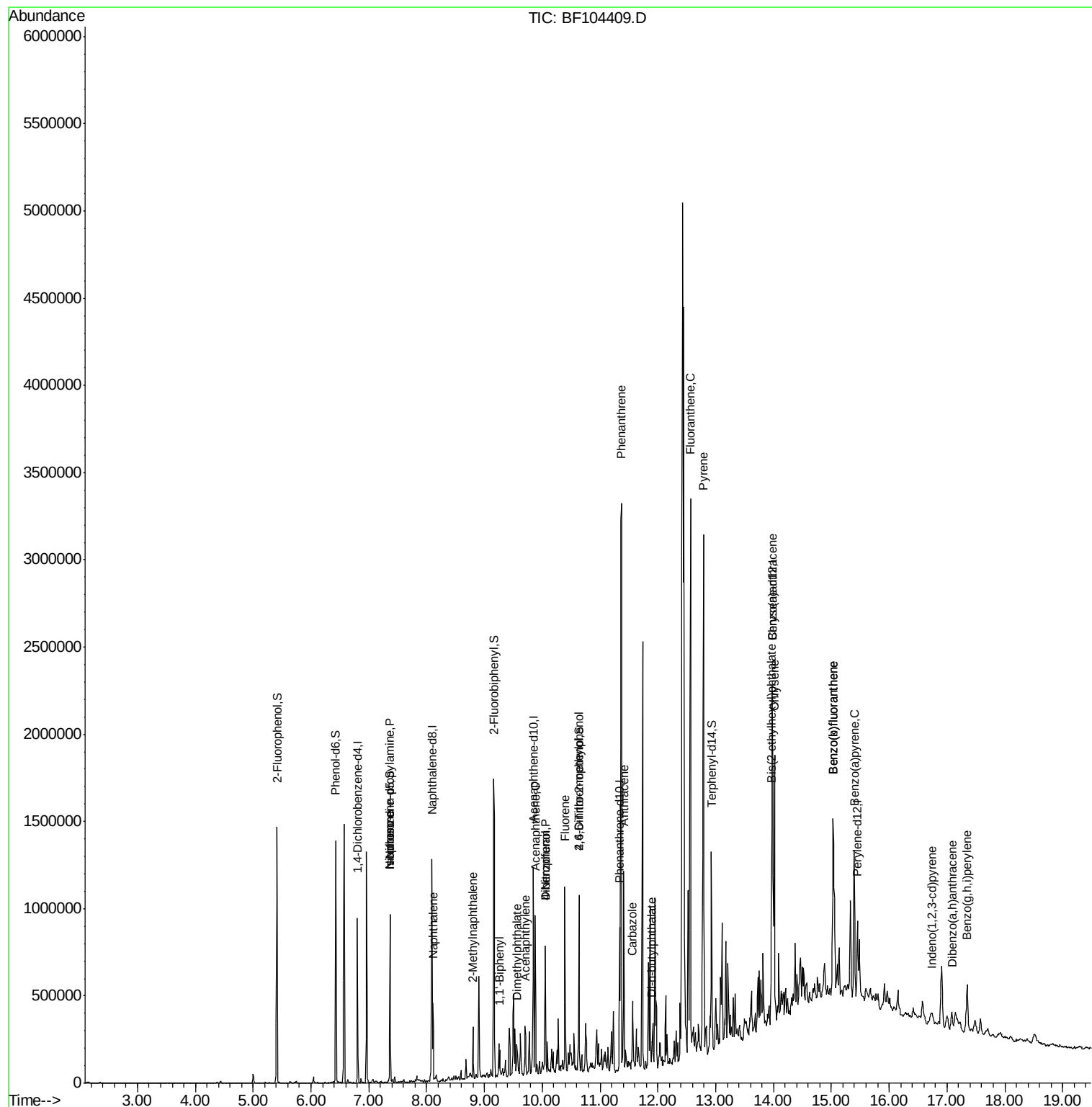
						Qvalue
9) Benzaldehyde	6.36	77	504	Below Cal	#	39
19) n-Nitroso-di-n-propylamine	7.37	70	36061	5.135 ng	#	73
25) Isophorone	7.37	82	282426	16.585 ng	#	64
31) Naphthalene	8.11	128	166715	6.367 ng		100
37) 2-Methylnaphthalene	8.80	142	69038	4.076 ng		99
45) 1,1'-Biphenyl	9.26	154	44651	2.427 ng		98
48) Acenaphthylene	9.71	152	78472	3.441 ng		99
49) Dimethylphthalate	9.56	163	39381	2.280 ng	#	99
51) Acenaphthene	9.88	154	159214	11.443 ng		98
54) Dibenzofuran	10.05	168	215787	11.129 ng		98
55) 4-Nitrophenol	10.05	139	83769	28.501 ng	#	11
57) Fluorene	10.40	166	303658	21.516 ng		100
64) 4,6-Dinitro-2-methylphenol	10.63	198	110	7.408 ng	#	1
70) Phenanthrene	11.37	178	1379161	78.437 ng		99
71) Anthracene	11.41	178	437464	24.476 ng		99
72) Carbazole	11.56	167	138999	7.959 ng		99
73) Di-n-butylphthalate	11.90	149	59320	2.780 ng		99
74) Fluoranthene	12.56	202	1464164	79.700 ng		98
76) Benzidine	12.66	184	676	Below Cal	#	1
77) Pyrene	12.79	202	1338242	69.373 ng		99
80) Benzo(a)anthracene	13.97	228	719502	46.278 ng		96
82) Chrysene	14.02	228	619209	38.774 ng		98
83) Bis(2-ethylhexyl)phthalate	13.96	149	38316	3.278 ng		98
85) Indeno(1,2,3-cd)pyrene	16.74	276	41323	3.046 ng		95
87) Benzo(b)fluoranthene	15.03	252	817305	66.761 ng	#	95
88) Benzo(k)fluoranthene	15.03	252	817305	70.715 ng		98
89) Benzo(a)pyrene	15.40	252	421252	38.457 ng		98
90) Dibenzo(a,h)anthracene	17.08	278	51922	5.771 ng		94
91) Benzo(g,h,i)perylene	17.35	276	215440	24.718 ng		96

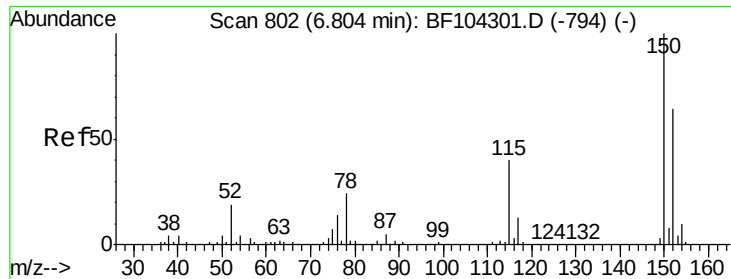
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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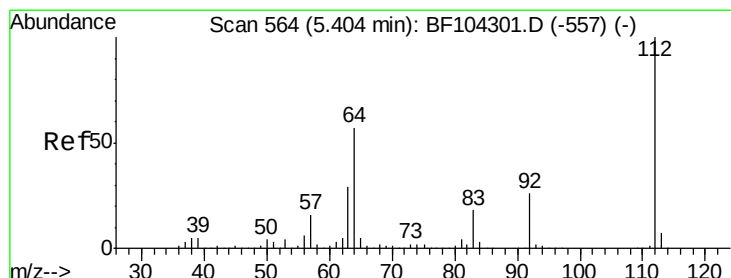
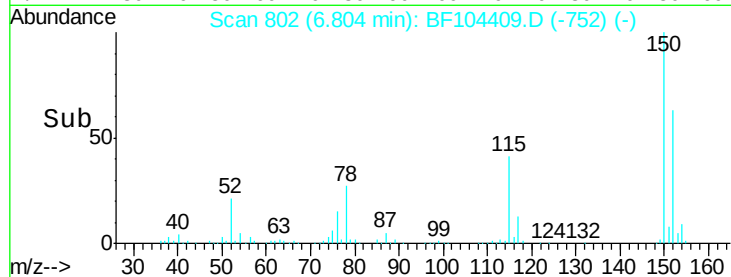
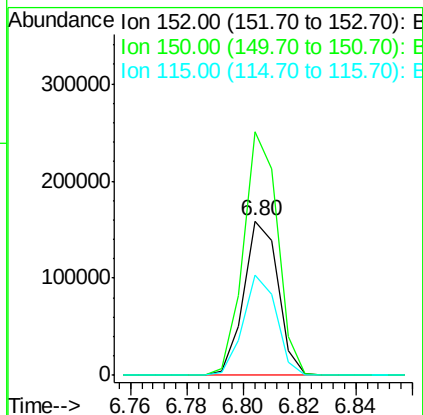
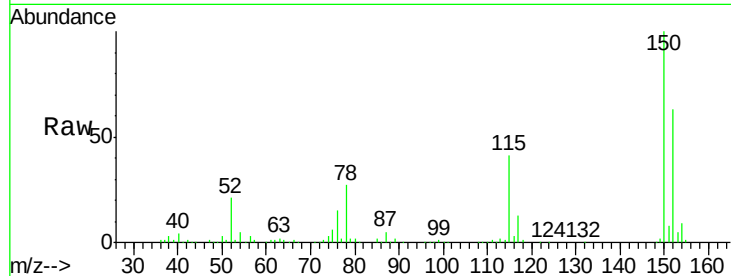


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104409.D
Acq: 10 Apr 2018 15:27

Instrument :
BNA_F
ClientSampleId :

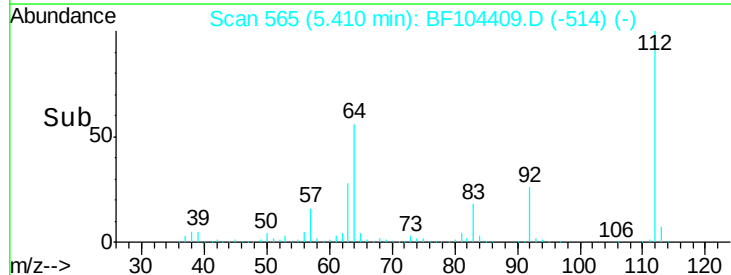
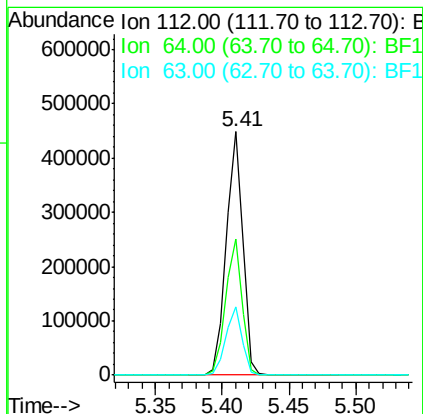
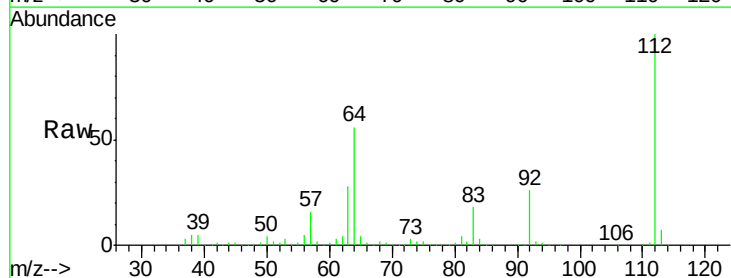
Tot Ion:152 Resp: 133748
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 64.6 50.1 75.1

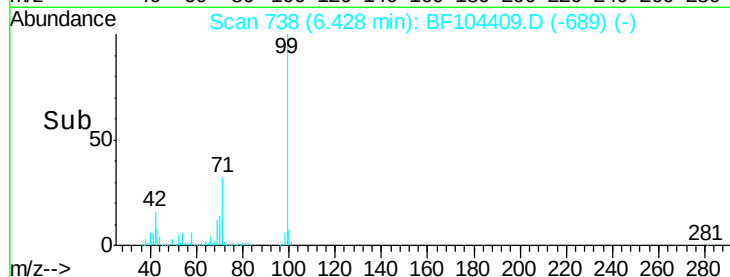
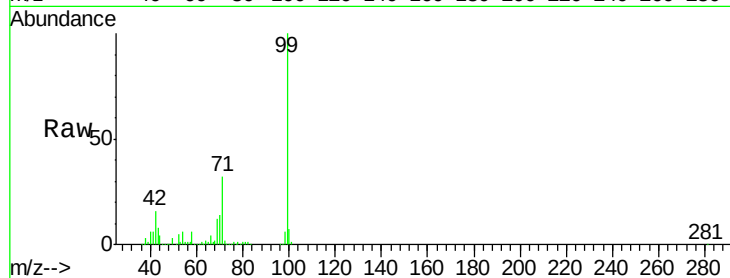
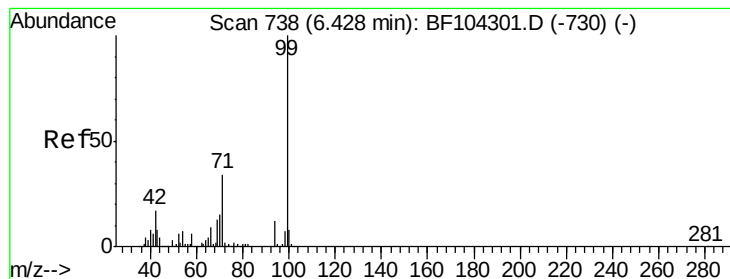


#5

2-Fluorophenol
Concen: 45.377 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF104409.D
Acq: 10 Apr 2018 15:27

Tgt Ion:112 Resp: 396916
Ion Ratio Lower Upper
112 100
64 56.0 47.9 71.9
63 28.1 23.7 35.5





#7

Phenol-d6

Concen: 45.409 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

Instrument :

BNA_F

ClientSampleId :

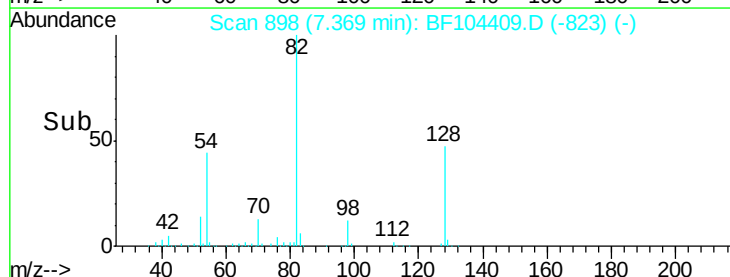
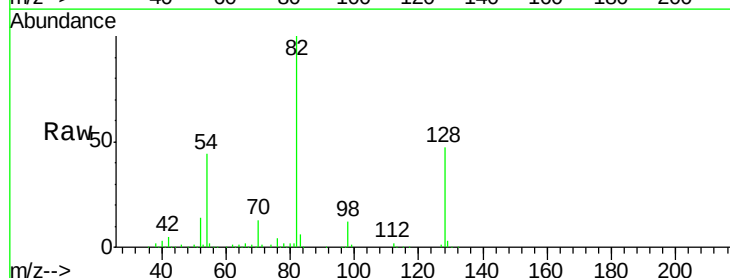
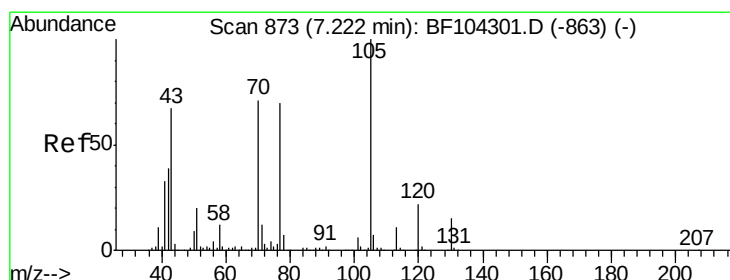
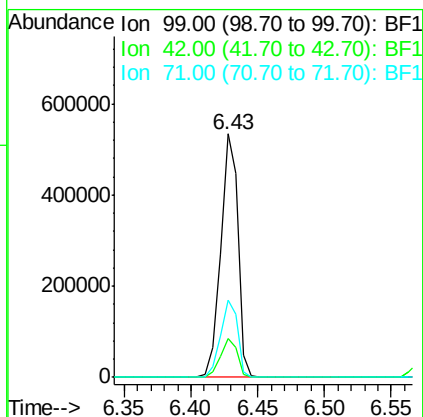
Tot Ion: 99 Resp: 488029

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

71 31.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.135 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

Tgt Ion: 70 Resp: 36061

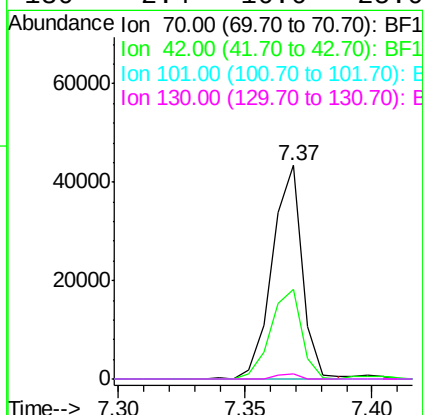
Ion Ratio Lower Upper

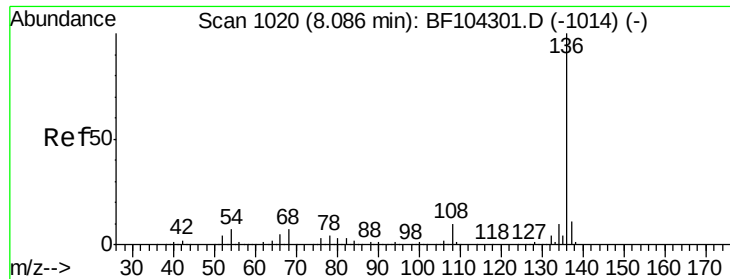
70 100

42 42.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

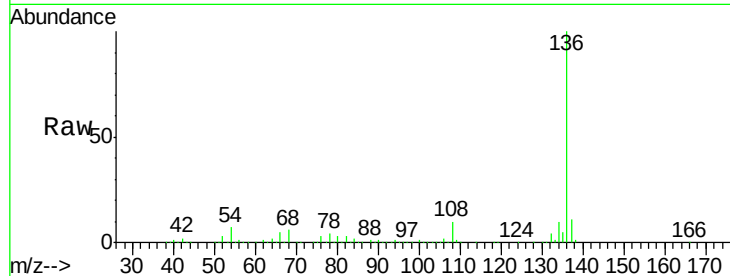




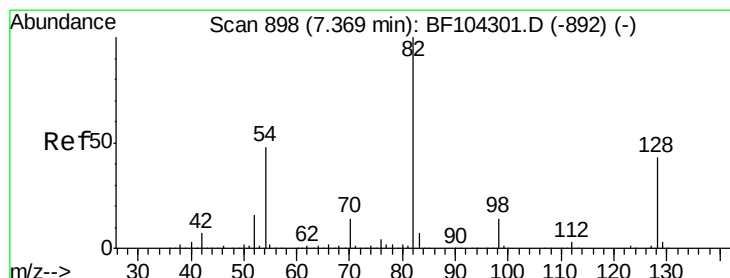
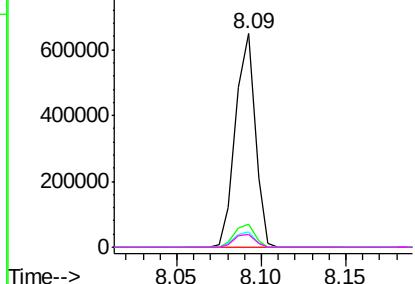
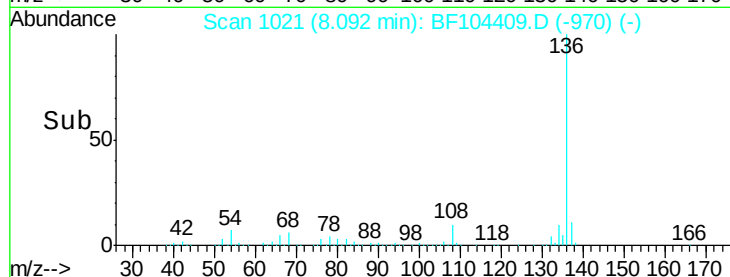
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF104409.D
Acq: 10 Apr 2018 15:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	525845
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	7.0	6.6 9.8
68	6.1	5.0 7.4

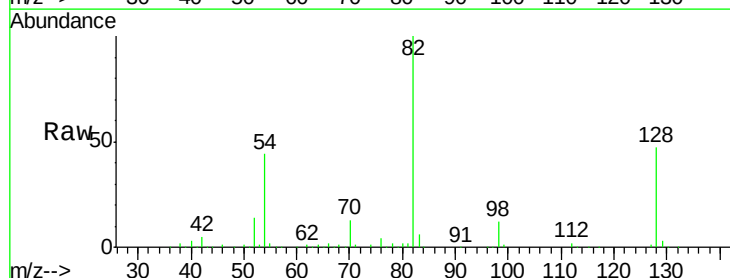


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

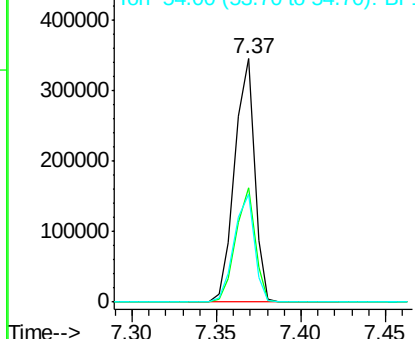
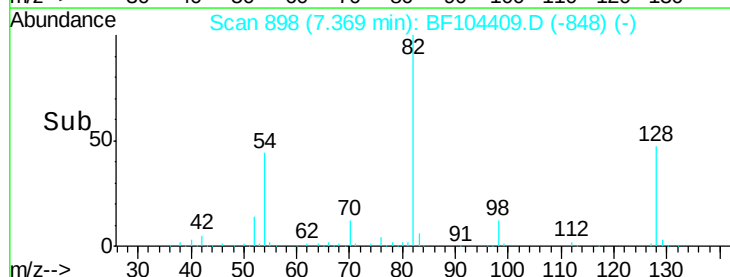


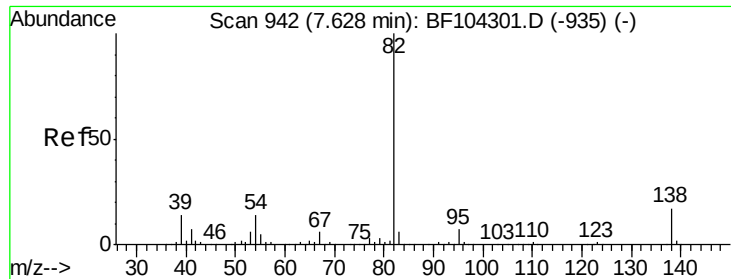
#23
Nitrobenzene-d5
Concen: 35.100 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104409.D
Acq: 10 Apr 2018 15:27

Tgt Ion: 82	Resp:	282658
Ion Ratio	Lower	Upper
82	100	
128	47.2	36.1 54.1
54	44.1	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

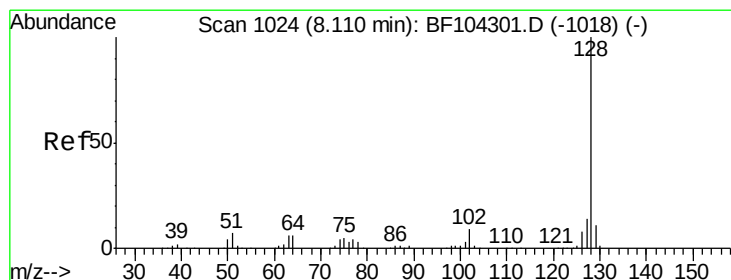
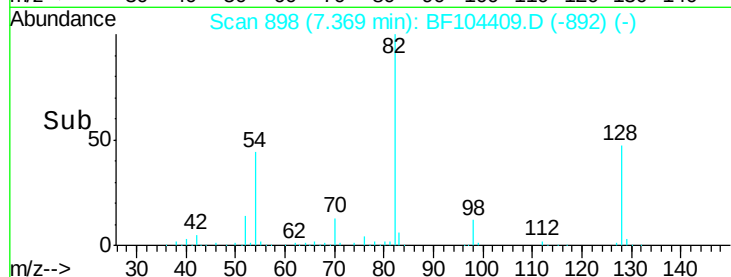
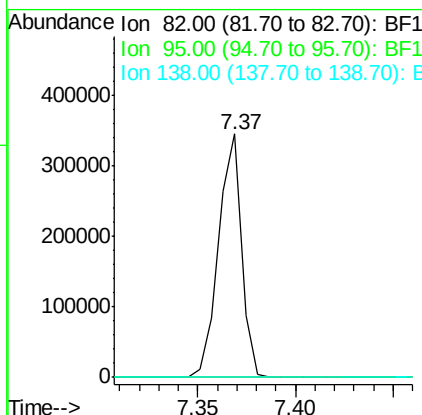
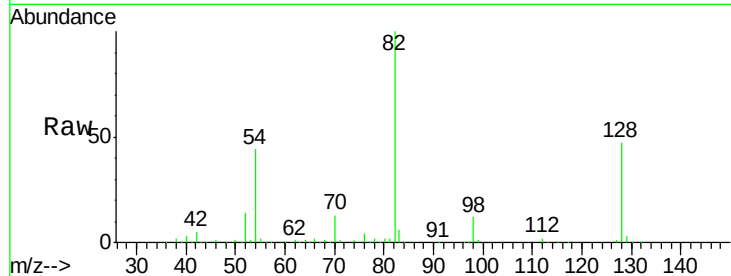




#25
Isophorone
Concen: 16.585 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104409.D
Acq: 10 Apr 2018 15:27

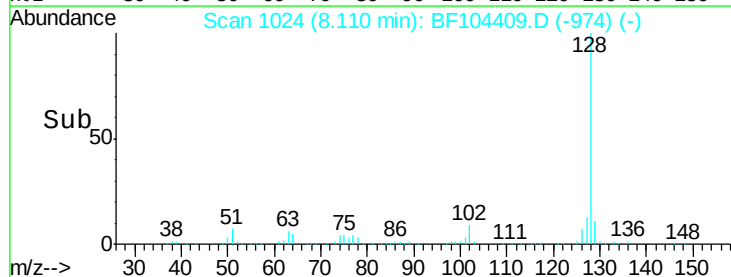
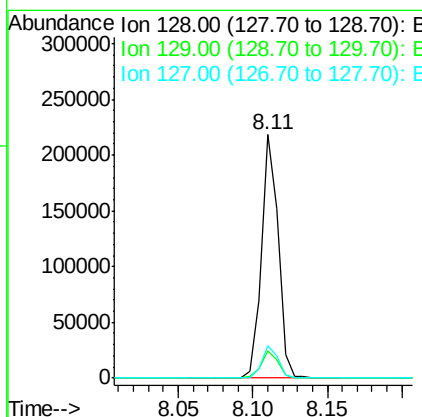
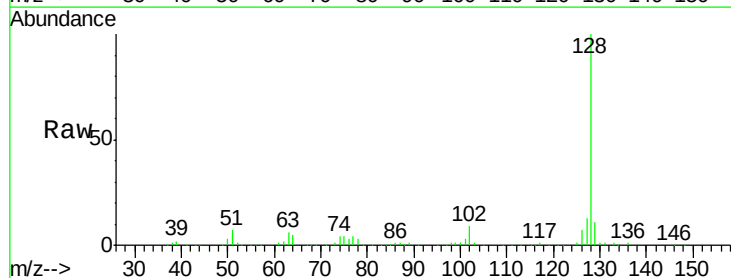
Instrument :
BNA_F
ClientSampleId :

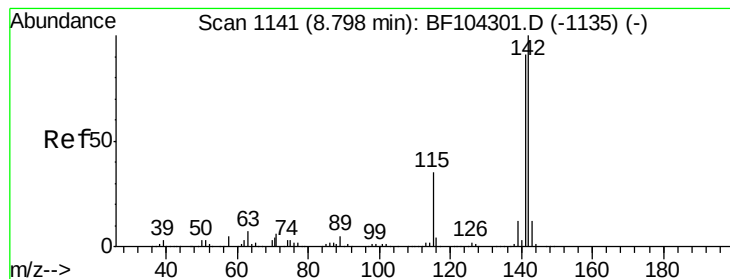
Tot Ion: 82 Resp: 282426
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 6.367 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104409.D
Acq: 10 Apr 2018 15:27

Tgt Ion: 128 Resp: 166715
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.3 10.9 16.3





#37

2-Methylnaphthalene

Concen: 4.076 ng

RT: 8.80 min Scan# 1142

Delta R.T. 0.00 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

Instrument :

BNA_F

ClientSampleId :

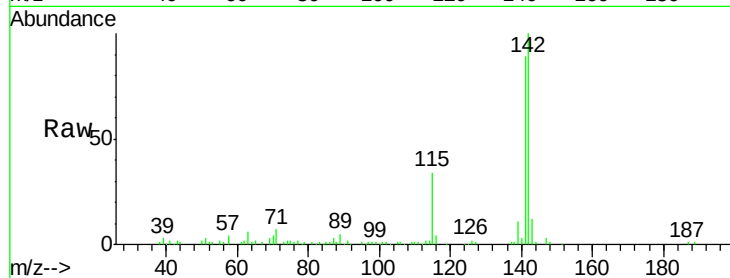
Tot Ion:142 Resp: 69038

Ion Ratio Lower Upper

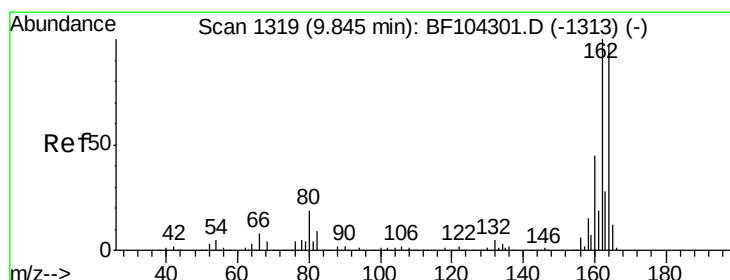
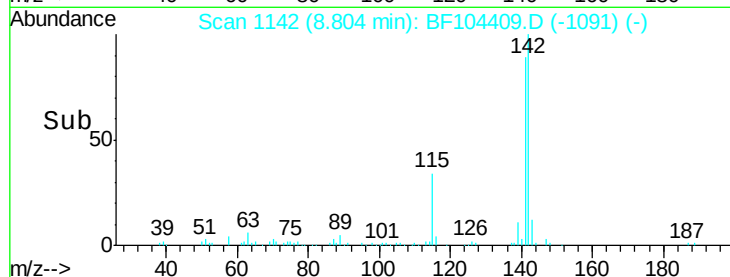
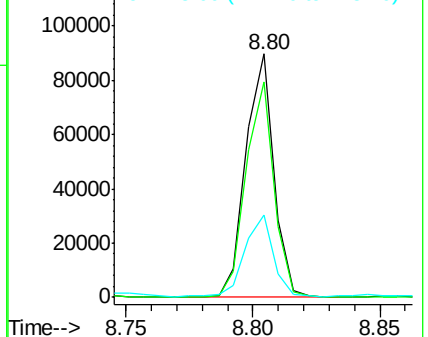
142 100

141 88.7 70.8 106.2

115 33.9 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# 1319

Delta R.T. -0.01 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

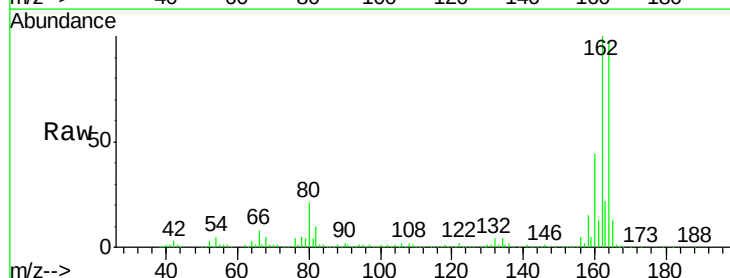
Tgt Ion:164 Resp: 219034

Ion Ratio Lower Upper

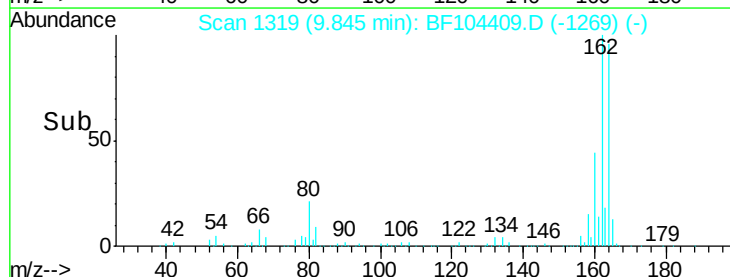
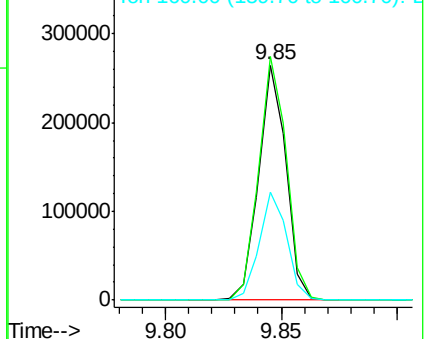
164 100

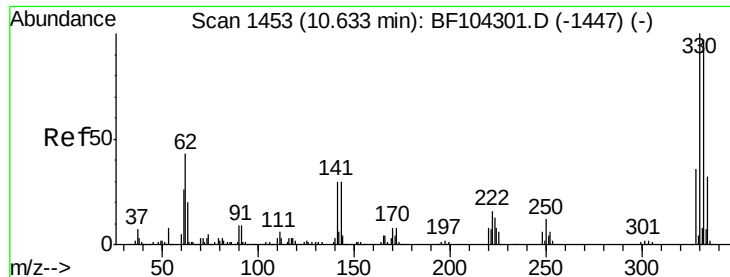
162 103.5 86.1 129.1

160 45.7 38.3 57.5



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

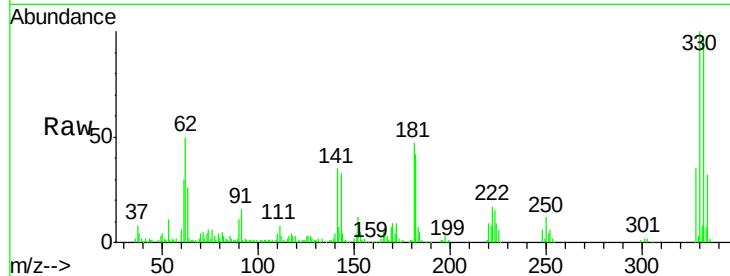




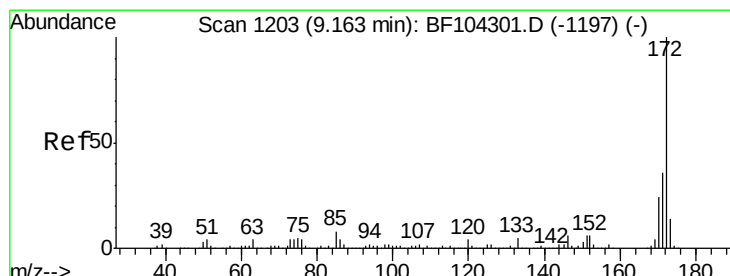
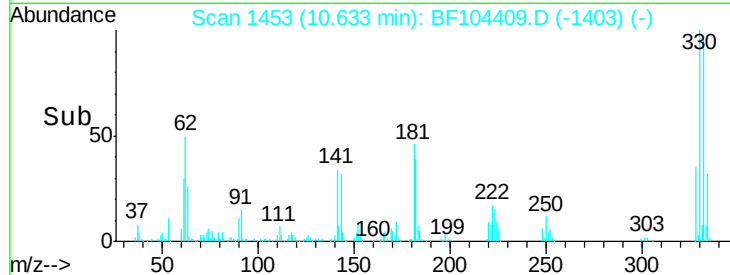
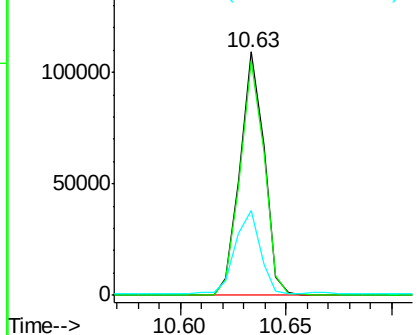
#41
 2,4,6-Tribromophenol
 Concen: 38.108 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104409.D
 Acq: 10 Apr 2018 15:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	330	Resp	86585
Ion Ratio	100	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	35.6	29.9	44.9

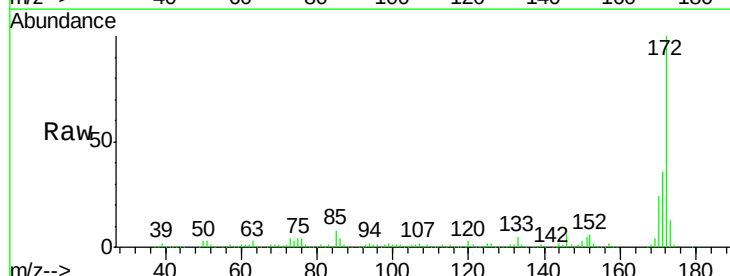


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

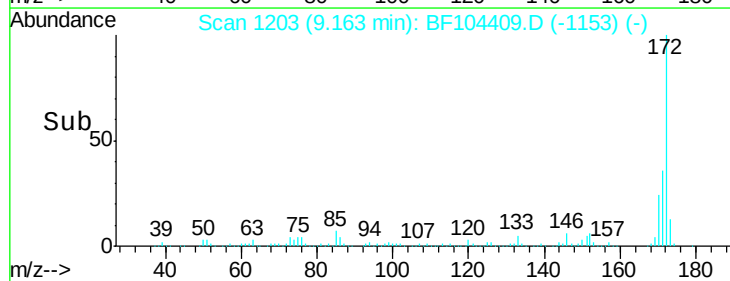
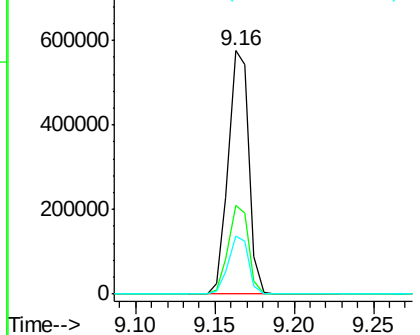


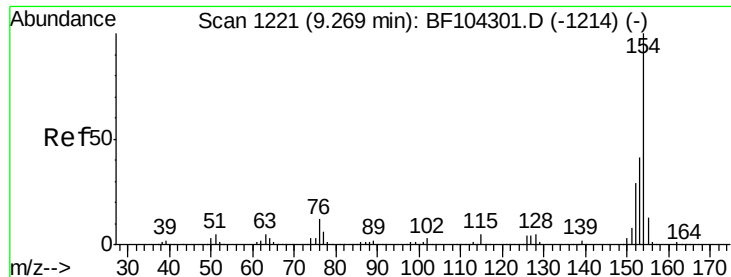
#44
 2-Fluorobiphenyl
 Concen: 37.440 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104409.D
 Acq: 10 Apr 2018 15:27

Tgt Ion	172	Resp	519108
Ion Ratio	100	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.9	19.6	29.4



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





#45

1,1'-Biphenyl

Concen: 2.427 ng

RT: 9.26 min Scan# 1220

Delta R.T. -0.01 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

Instrument :

BNA_F

ClientSampleId :

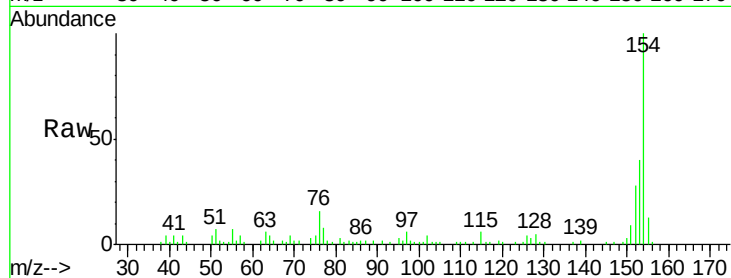
Tot Ion:154 Resp: 44651

Ion Ratio Lower Upper

154 100

153 40.2 21.3 61.3

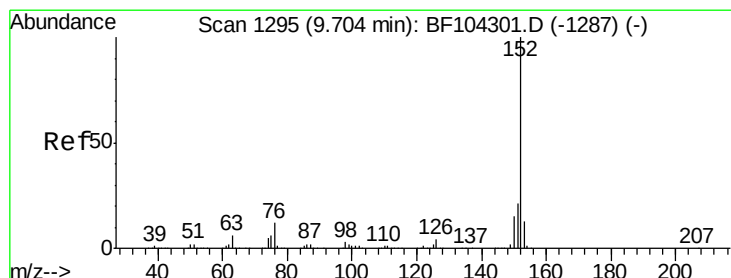
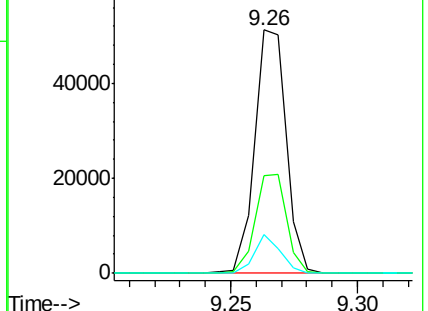
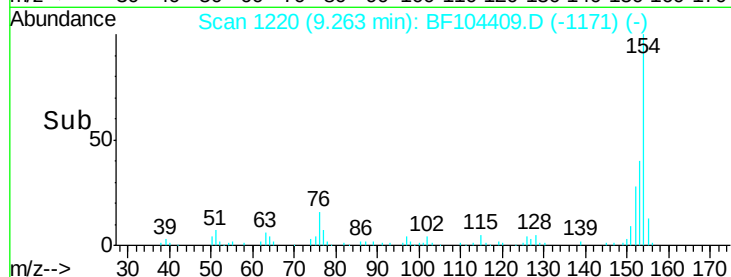
76 15.9 0.0 34.0



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: 3.441 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

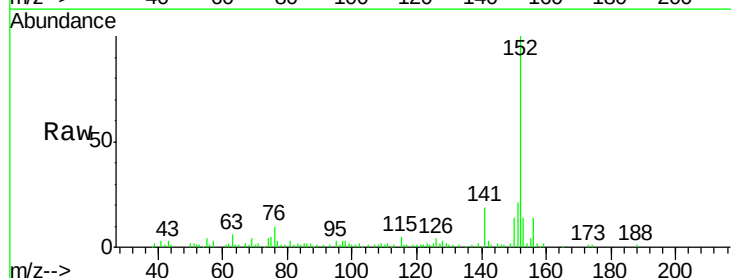
Tgt Ion:152 Resp: 78472

Ion Ratio Lower Upper

152 100

151 20.8 16.3 24.5

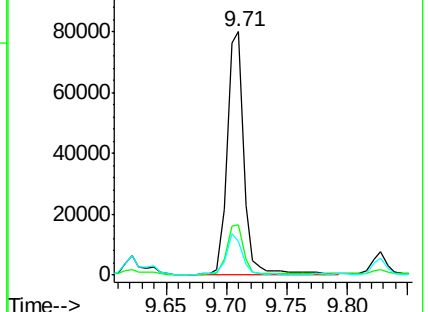
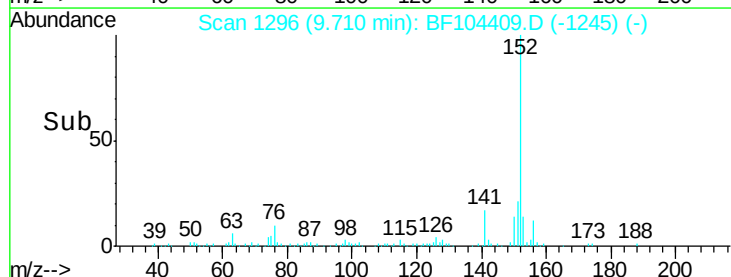
153 13.6 10.7 16.1

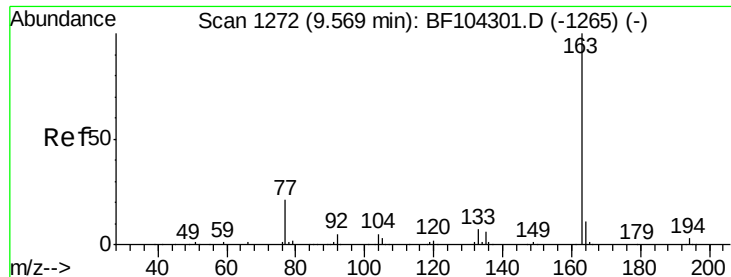


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

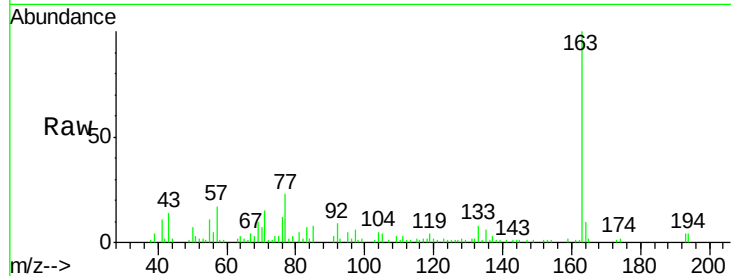




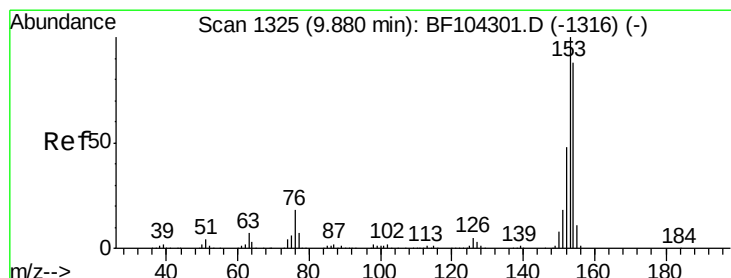
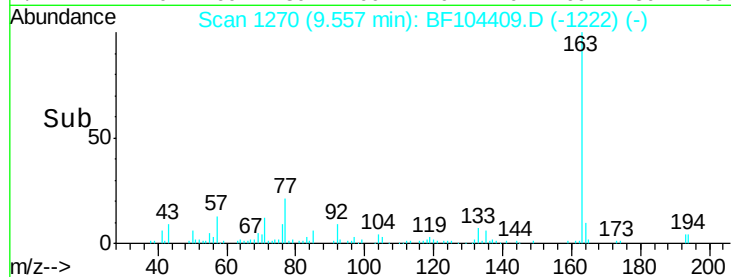
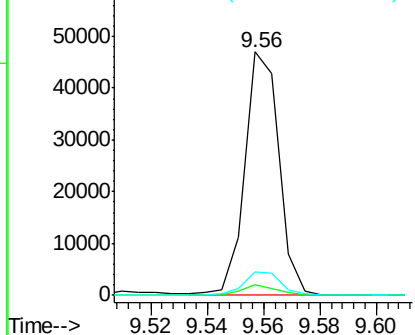
#49
Dimethylphthalate
Concen: 2.280 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104409.D
Acq: 10 Apr 2018 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 39381
Ion Ratio Lower Upper
163 100
194 4.4 2.7 4.1#
164 9.9 8.2 12.2

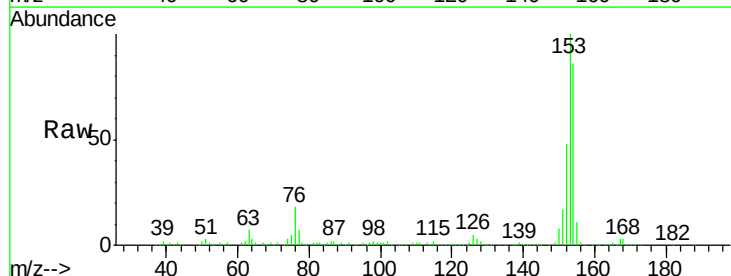


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

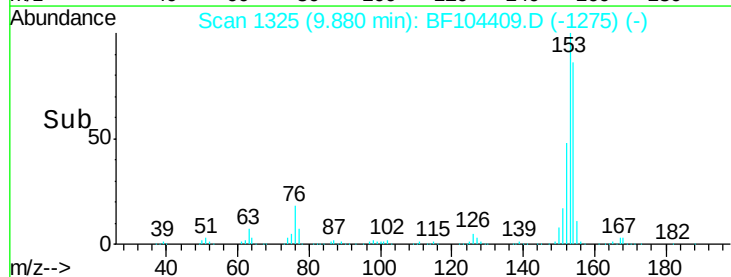
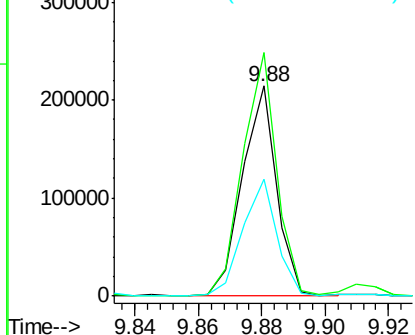


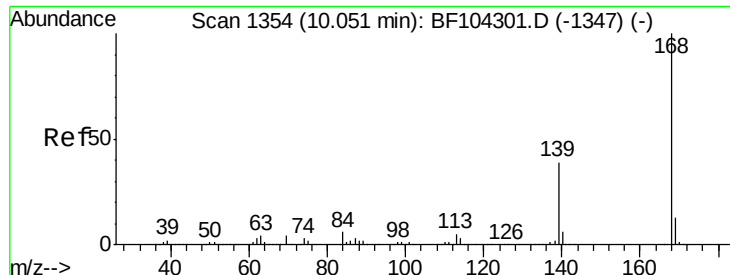
#51
Acenaphthene
Concen: 11.443 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF104409.D
Acq: 10 Apr 2018 15:27

Tgt Ion:154 Resp: 159214
Ion Ratio Lower Upper
154 100
153 116.0 91.2 136.8
152 55.6 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





#54

Dibenzenofuran

Concen: 11.129 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

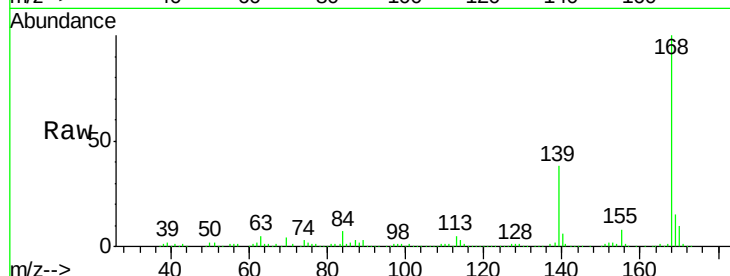
Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

Instrument :

BNA_F

ClientSampleId :



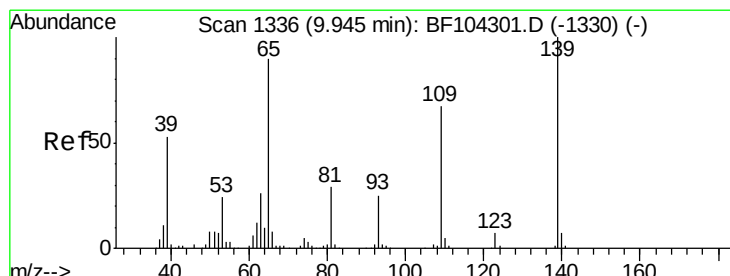
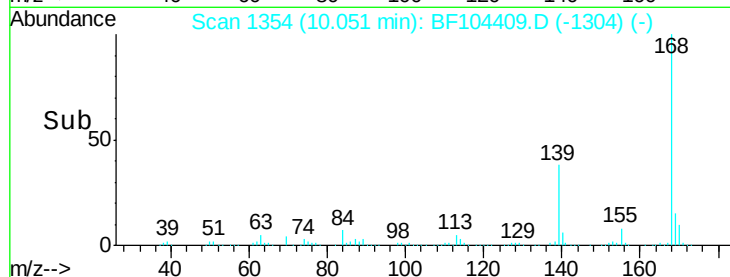
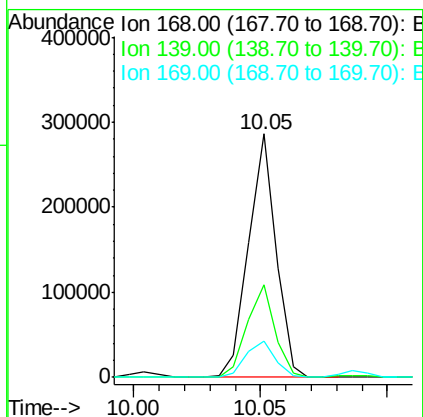
Tot Ion:168 Resp: 215787

Ion Ratio Lower Upper

168 100

139 38.1 30.1 45.1

169 15.1 10.9 16.3



#55

4-Nitrophenol

Concen: 28.501 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.09 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

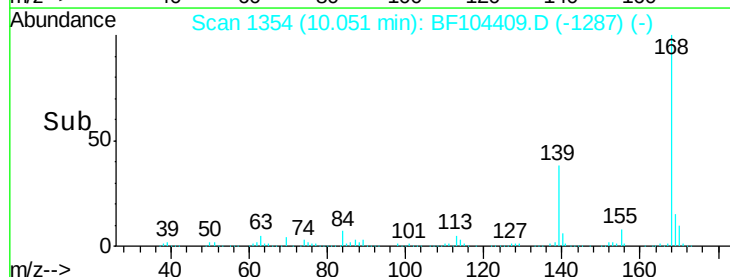
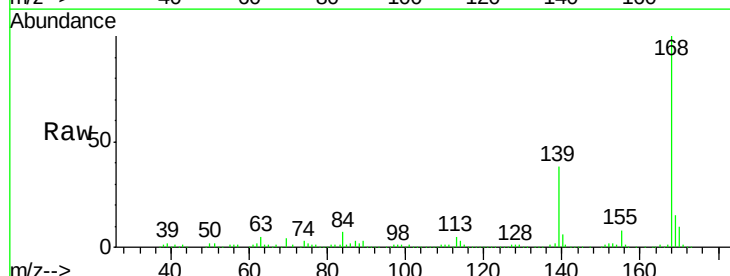
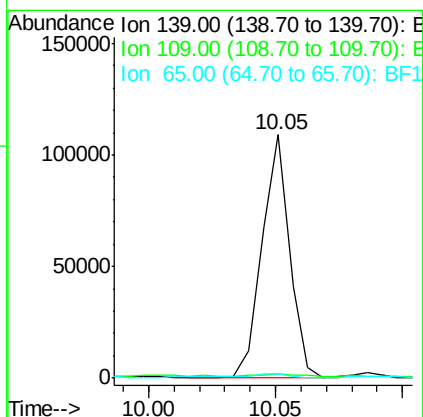
Tgt Ion:139 Resp: 83769

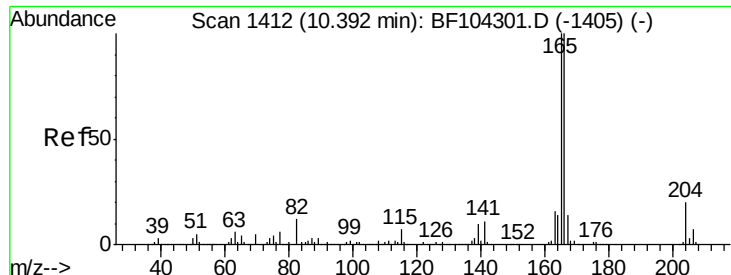
Ion Ratio Lower Upper

139 100

109 1.7 48.4 88.4#

65 1.8 72.6 112.6#

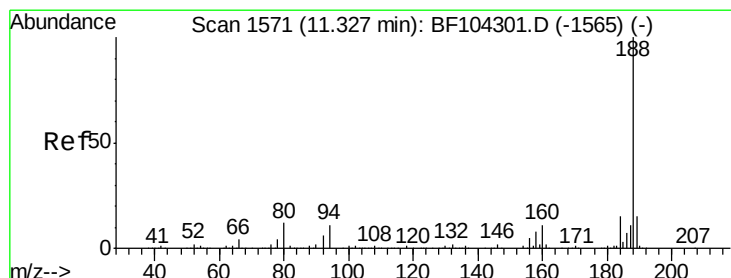
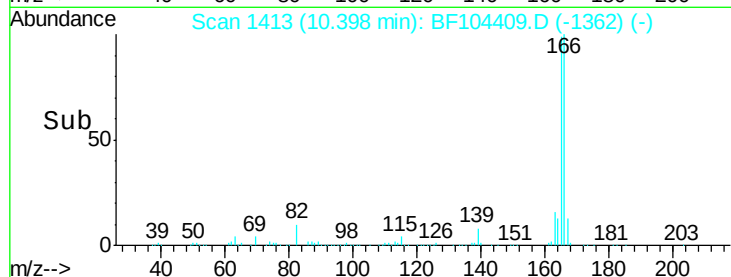
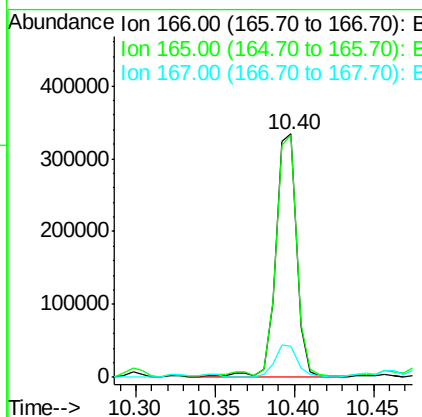
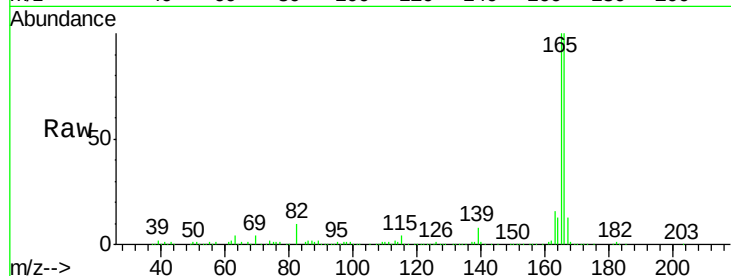




#57
 Fluorene
 Concen: 21.516 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: BF104409.D
 Acq: 10 Apr 2018 15:27

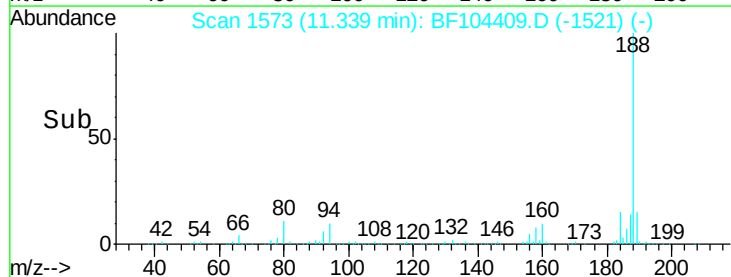
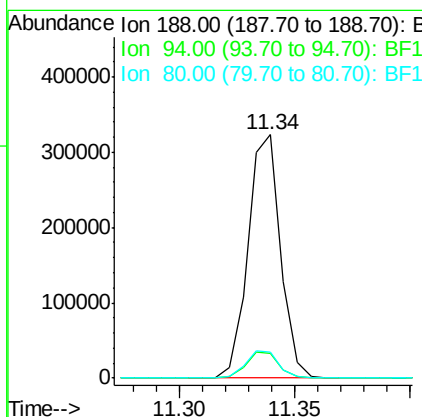
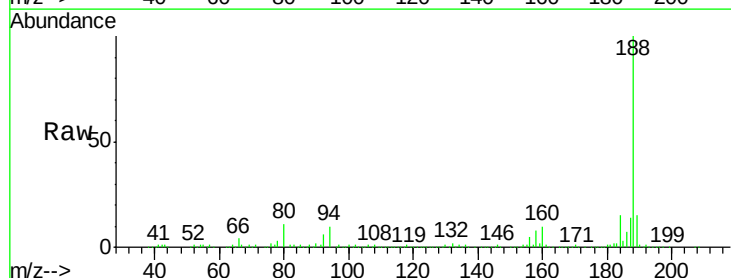
Instrument :
 BNA_F
 ClientSampleId :

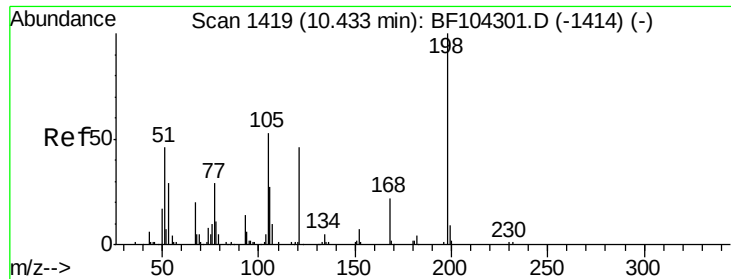
Tot Ion:166 Resp: 303658
 Ion Ratio Lower Upper
 166 100
 165 99.7 79.8 119.8
 167 12.9 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF104409.D
 Acq: 10 Apr 2018 15:27

Tgt Ion:188 Resp: 315734
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.5 12.7
 80 10.9 9.2 13.8

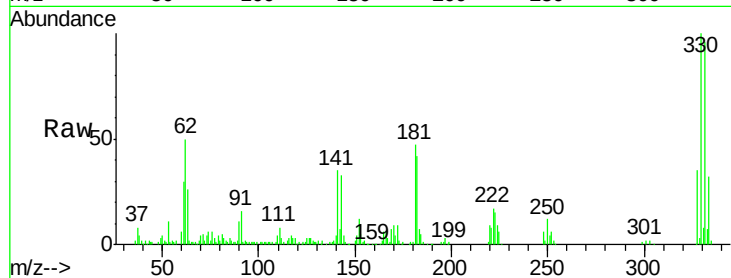




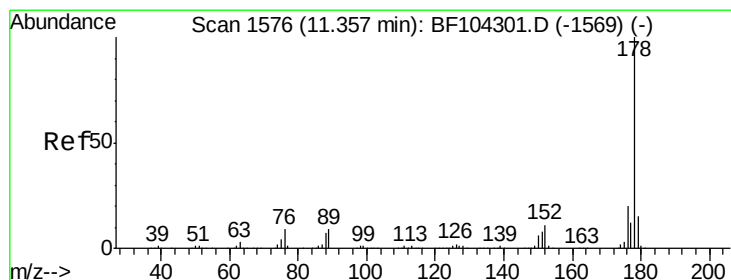
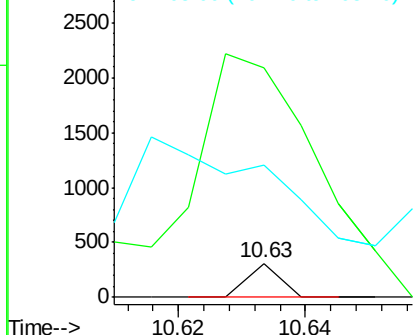
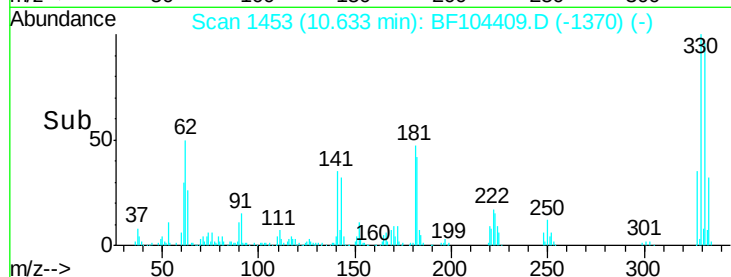
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.408 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.19 min
 Lab File: BF104409.D
 Acq: 10 Apr 2018 15:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 110
 Ion Ratio Lower Upper
 198 100
 51 673.3 37.7 77.7#
 105 386.5 36.3 76.3#

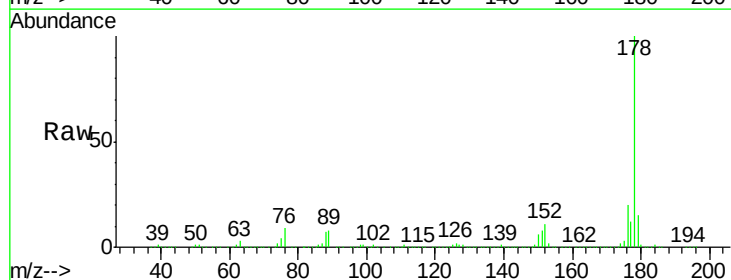


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

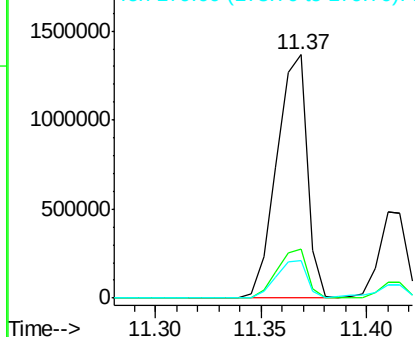
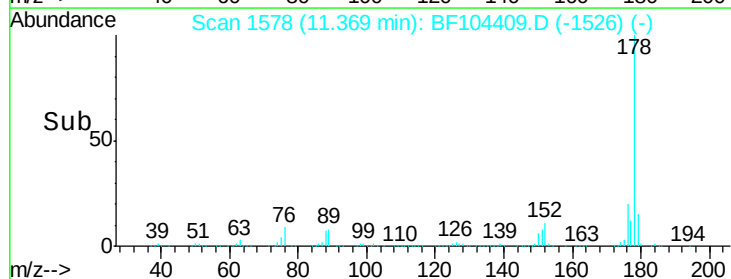


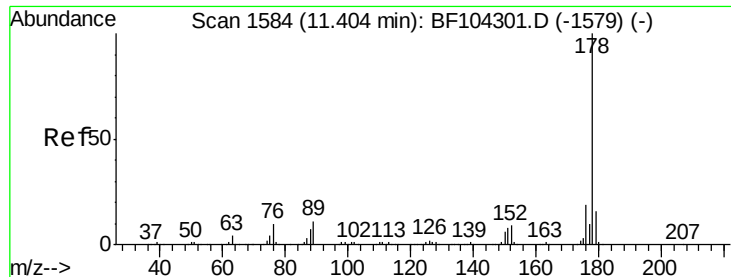
#70
 Phenanthrene
 Concen: 78.437 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: BF104409.D
 Acq: 10 Apr 2018 15:27

Tgt Ion:178 Resp: 1379161
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 15.4 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

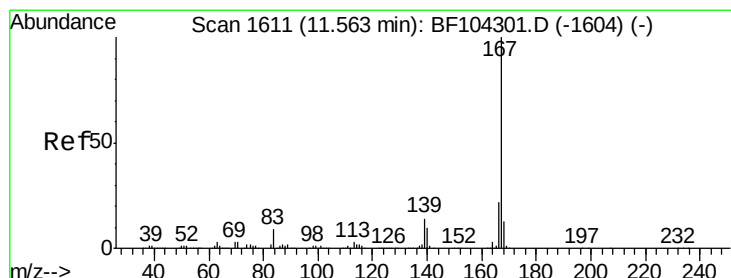
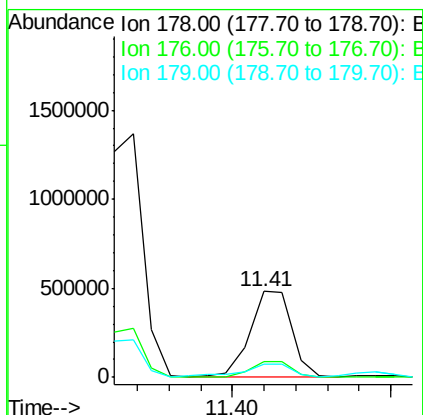
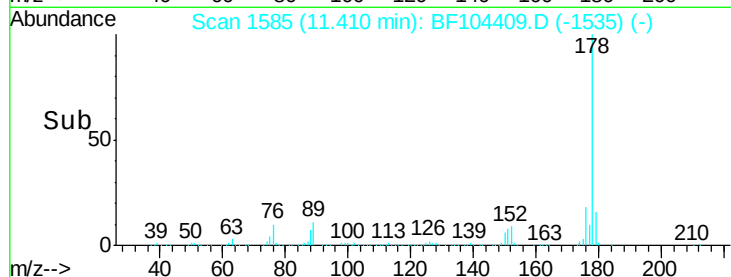
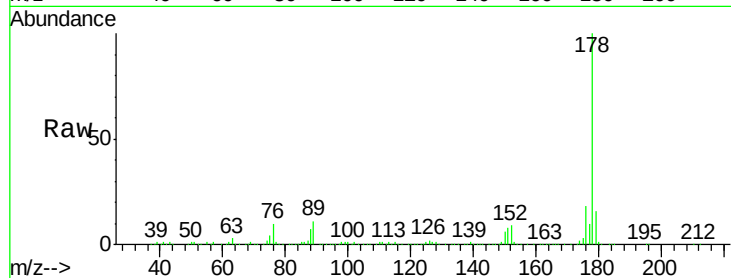




#71
 Anthracene
 Concen: 24.476 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF104409.D
 Acq: 10 Apr 2018 15:27

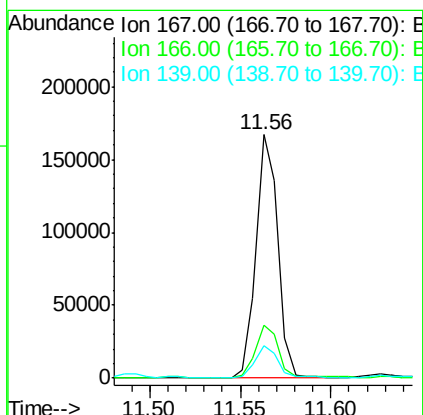
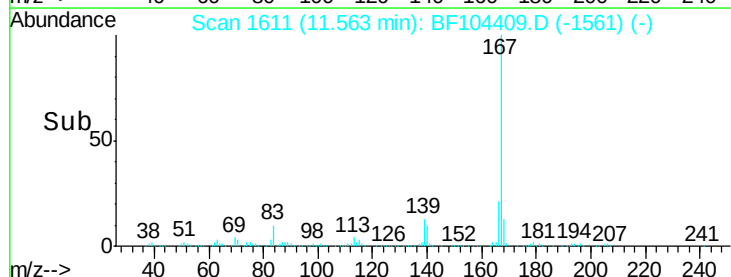
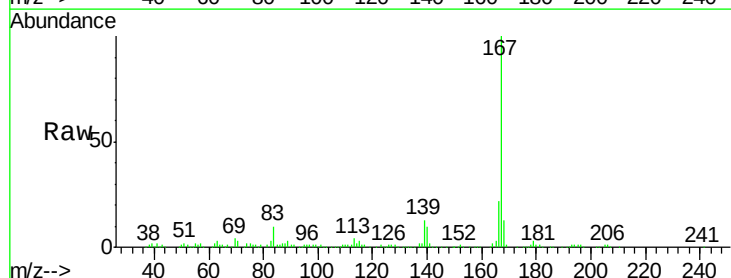
Instrument :
 BNA_F
 ClientSampleId :

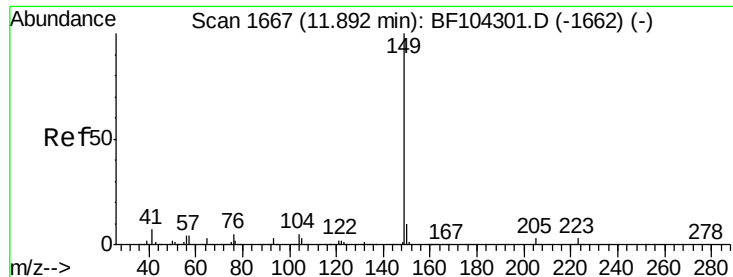
Tot Ion:178 Resp: 437464
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.7 12.6 19.0



#72
 Carbazole
 Concen: 7.959 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF104409.D
 Acq: 10 Apr 2018 15:27

Tgt Ion:167 Resp: 138999
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 13.1 10.9 16.3





#73

Di-n-butylphthalate

Concen: 2.780 ng

RT: 11.90 min Scan# 1668

Delta R.T. 0.00 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

Instrument :

BNA_F

ClientSampleId :

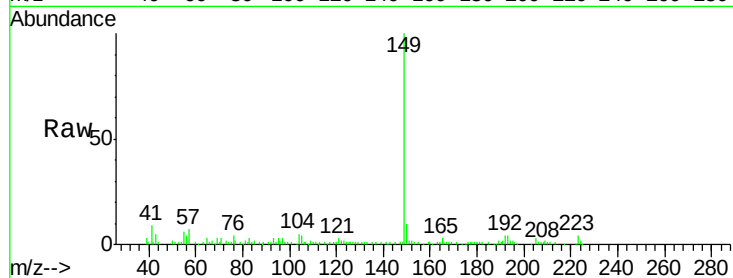
Tot Ion:149 Resp: 59320

Ion Ratio Lower Upper

149 100

150 9.5 7.8 11.6

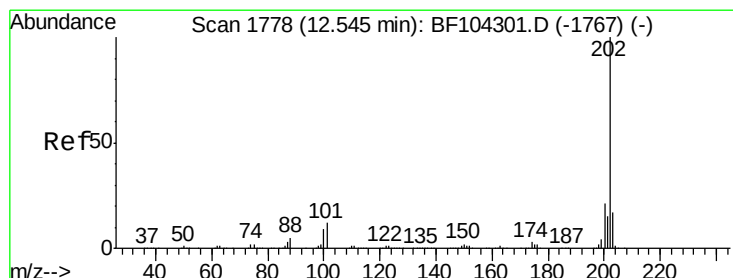
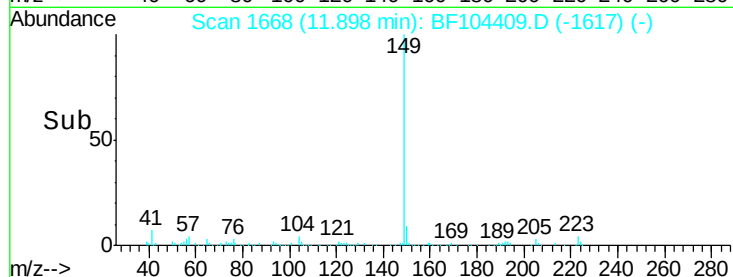
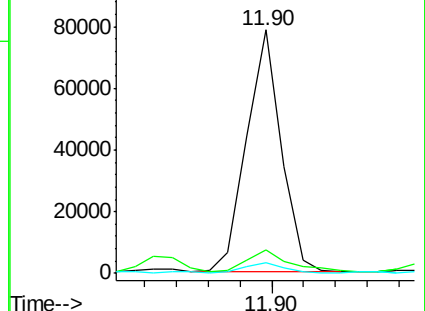
104 4.6 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 79.700 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

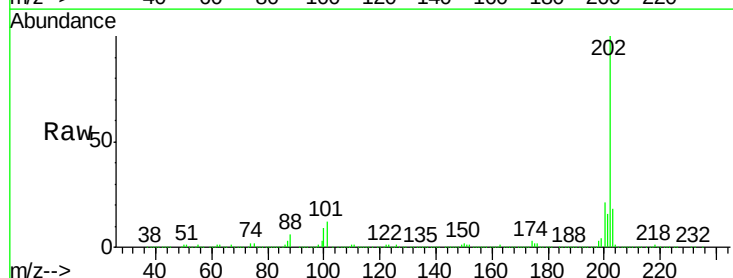
Tgt Ion:202 Resp: 1464164

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

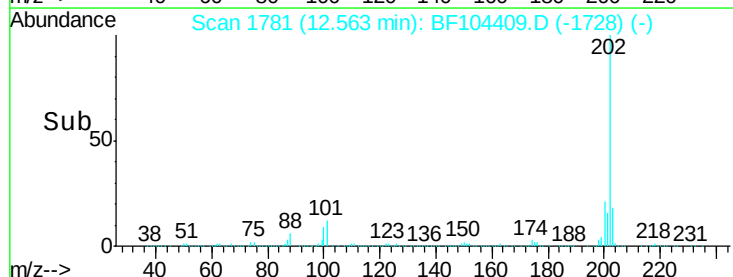
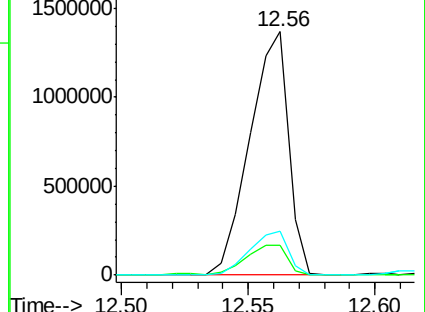
203 17.8 0.0 38.1

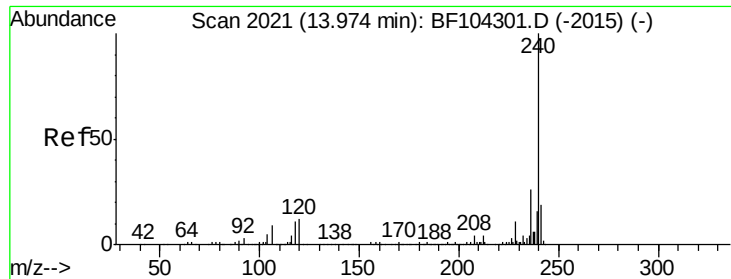


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2023

Delta R.T. 0.00 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

Instrument :

BNA_F

ClientSampleId :

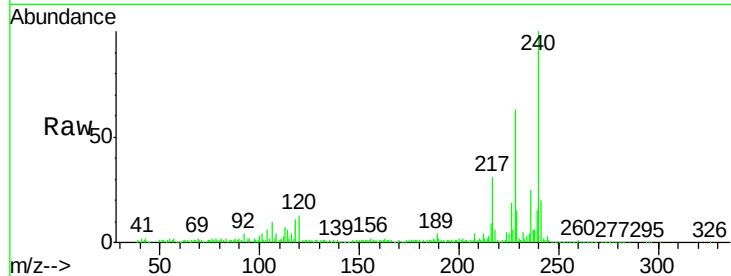
Tot Ion:240 Resp: 260248

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

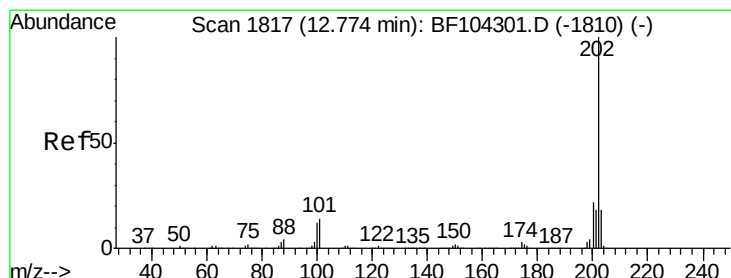
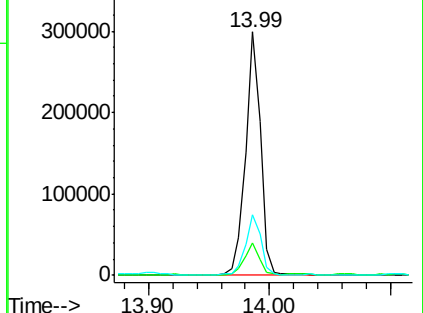
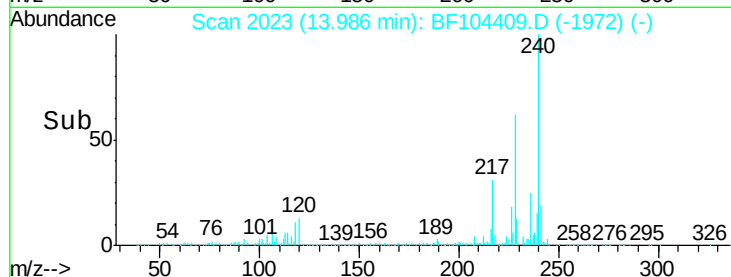
236 24.8 20.7 31.1



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: 69.373 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

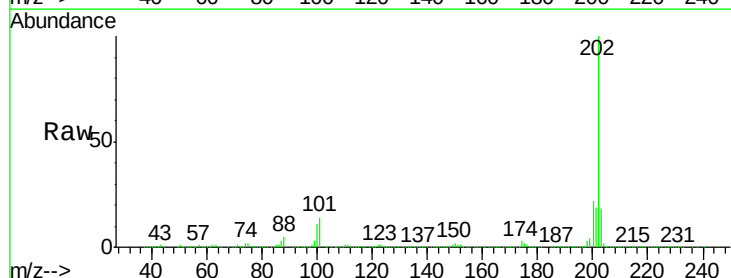
Tgt Ion:202 Resp: 1338242

Ion Ratio Lower Upper

202 100

200 22.4 17.4 26.2

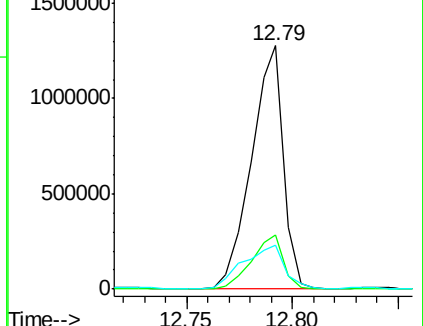
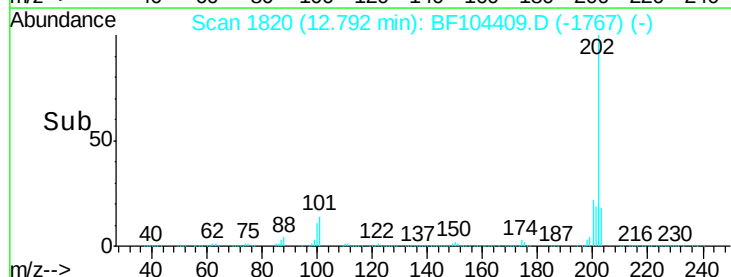
203 18.2 14.3 21.5

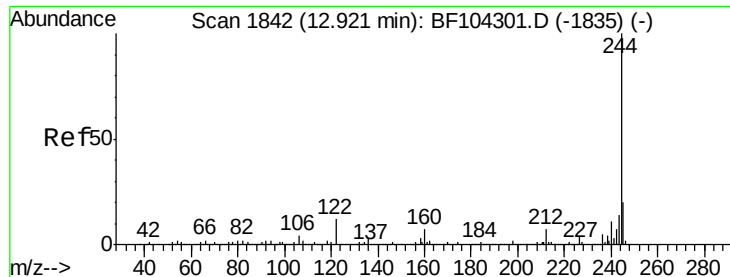


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 32.393 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

Instrument :

BNA_F

ClientSampled :

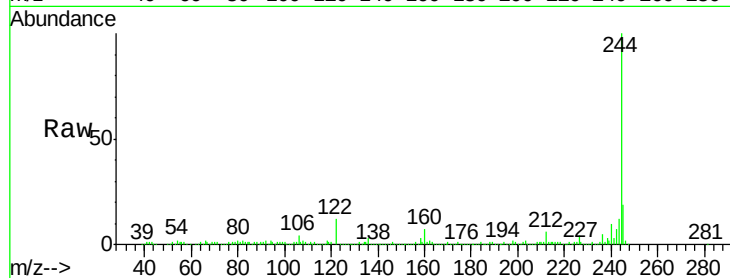
Tot Ion:244 Resp: 369775

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

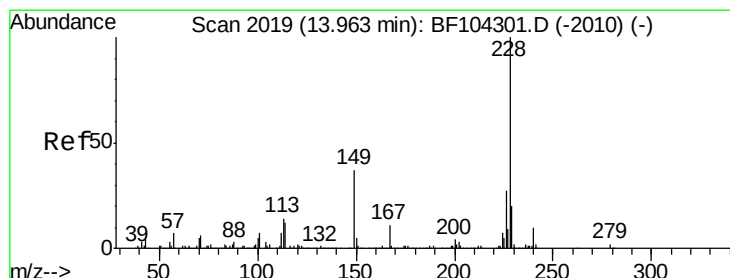
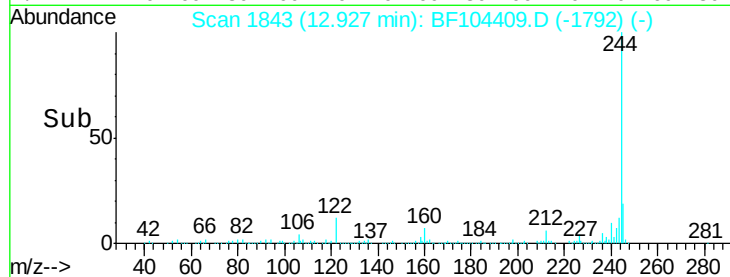
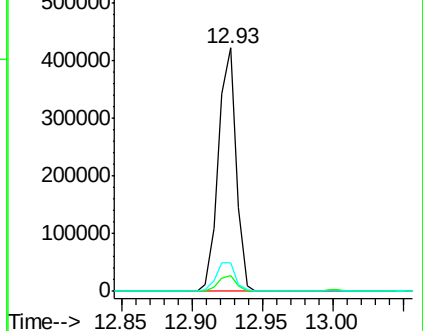
122 12.0 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 46.278 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

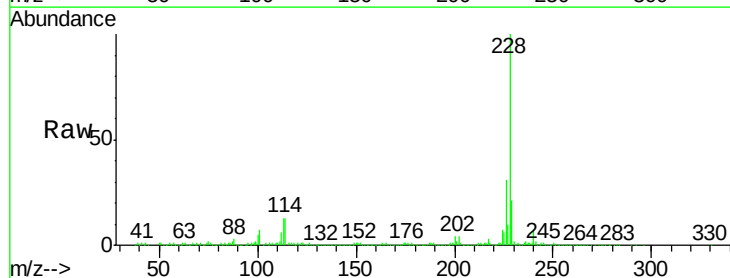
Tgt Ion:228 Resp: 719502

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

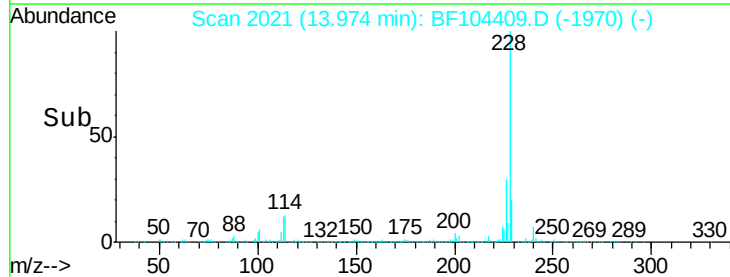
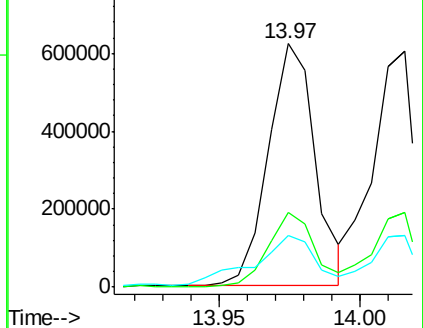
229 21.0 15.8 23.6

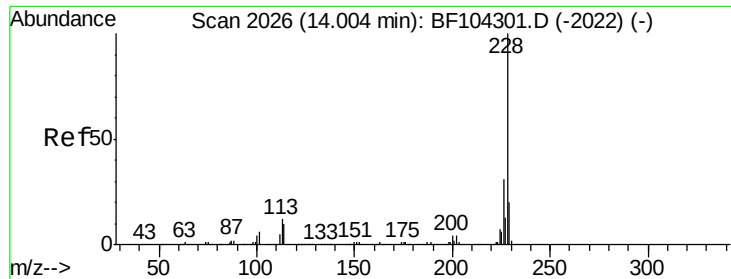


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

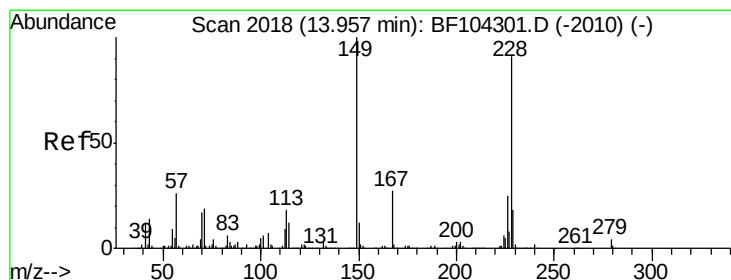
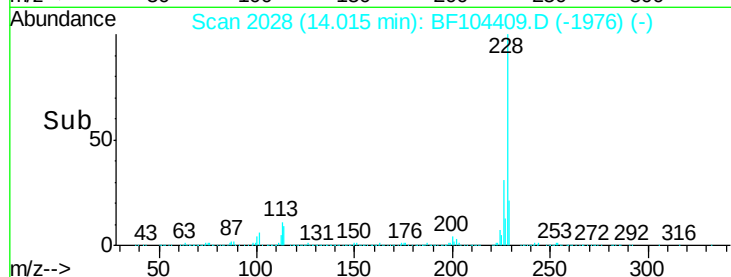
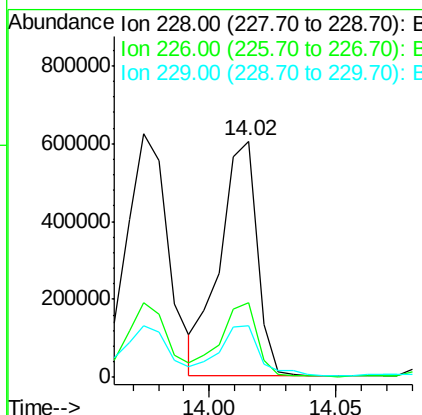
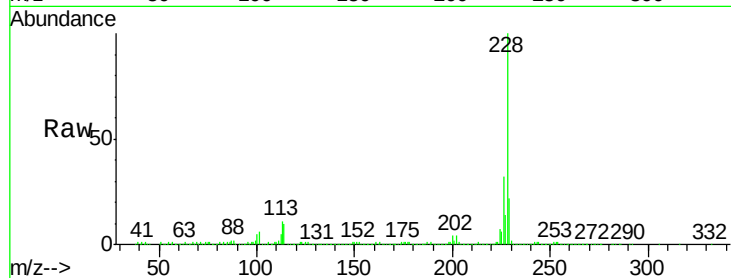




#82
Chrysene
Concen: 38.774 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104409.D
Acq: 10 Apr 2018 15:27

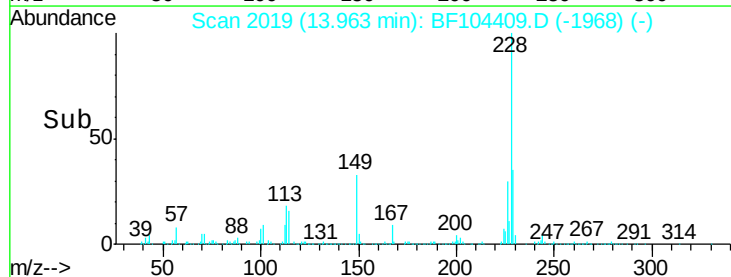
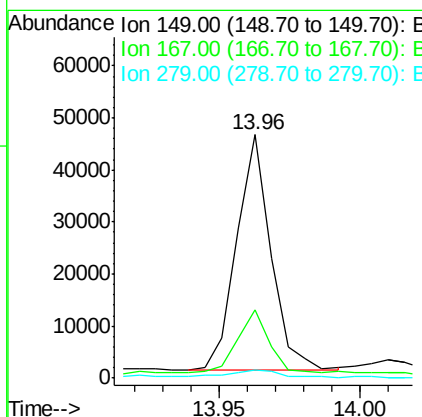
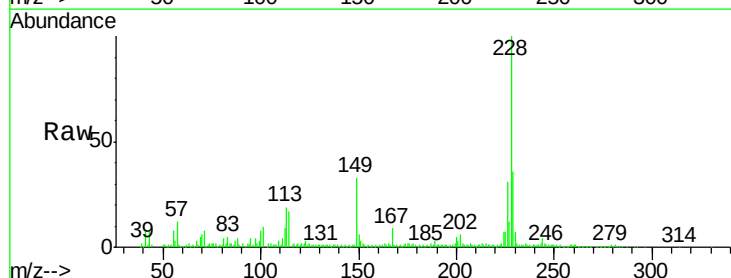
Instrument :
BNA_F
ClientSampleId :

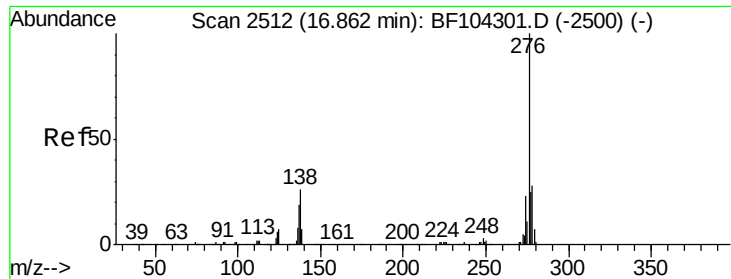
Tot Ion:228 Resp: 619209
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 22.0 16.2 24.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 3.278 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF104409.D
Acq: 10 Apr 2018 15:27

Tgt Ion:149 Resp: 38316
Ion Ratio Lower Upper
149 100
167 27.9 21.3 31.9
279 3.6 3.0 4.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.046 ng

RT: 16.74 min Scan# 2492

Delta R.T. -0.15 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

Instrument :

BNA_F

ClientSampleId :

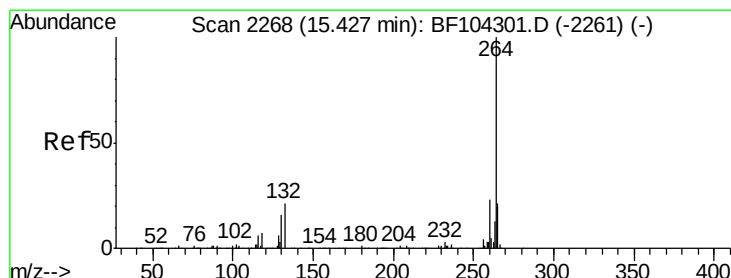
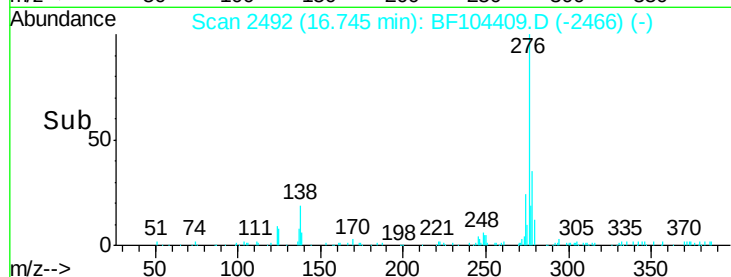
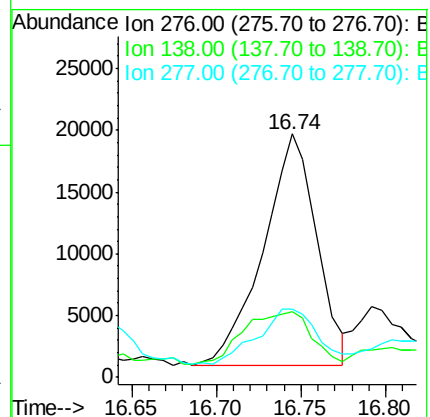
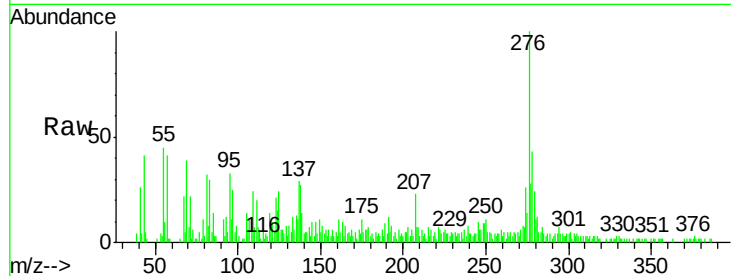
Tot Ion:276 Resp: 41323

Ion Ratio Lower Upper

276 100

138 27.7 25.0 37.6

277 26.2 20.1 30.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

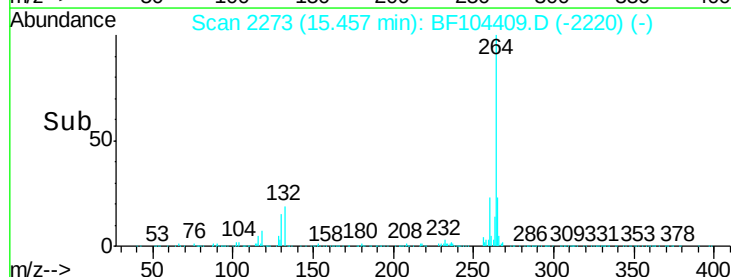
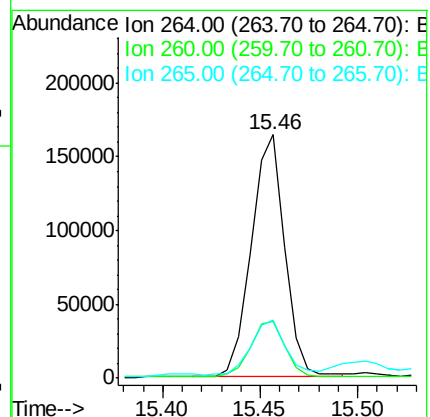
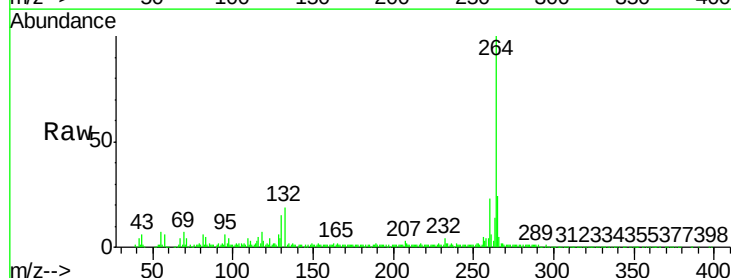
Tgt Ion:264 Resp: 193835

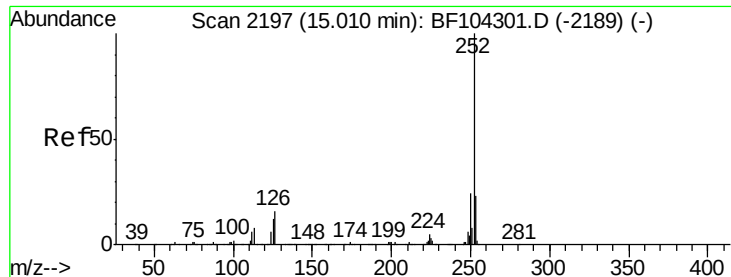
Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 23.6 17.5 26.3

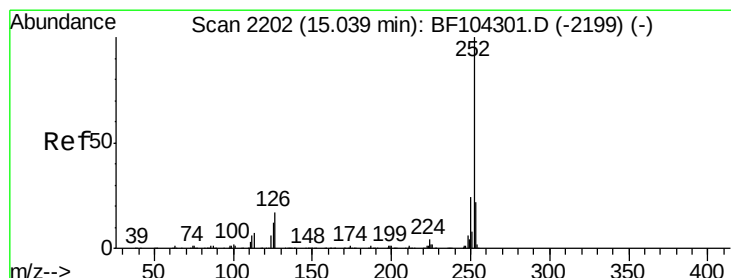
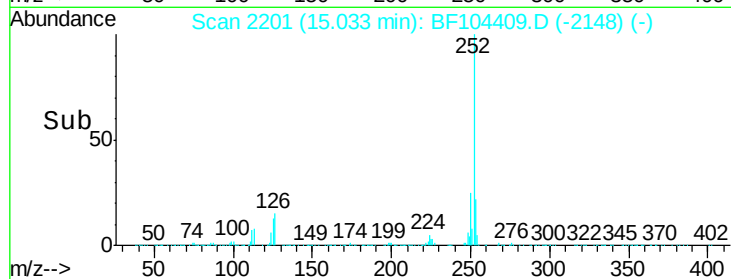
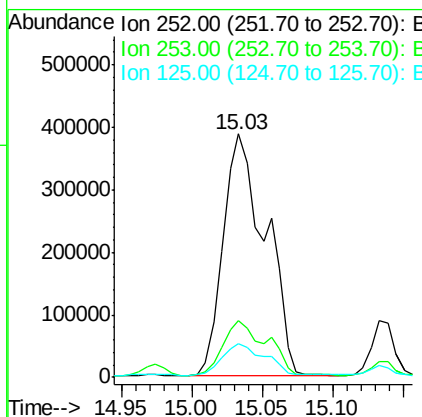
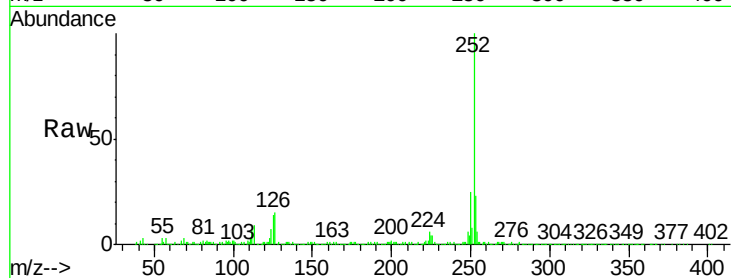




#87
Benzo(b)fluoranthene
Concen: 66.761 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104409.D
Acq: 10 Apr 2018 15:27

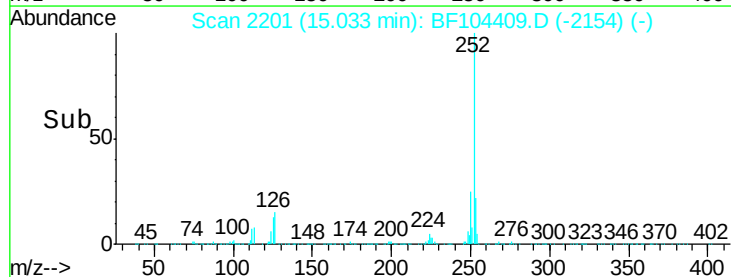
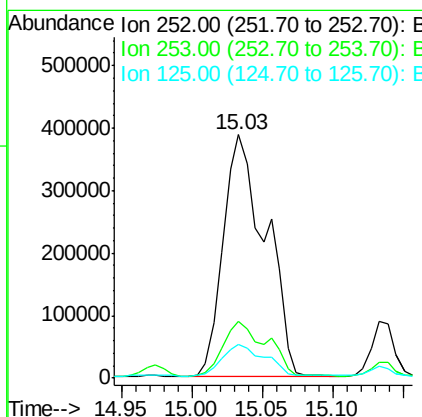
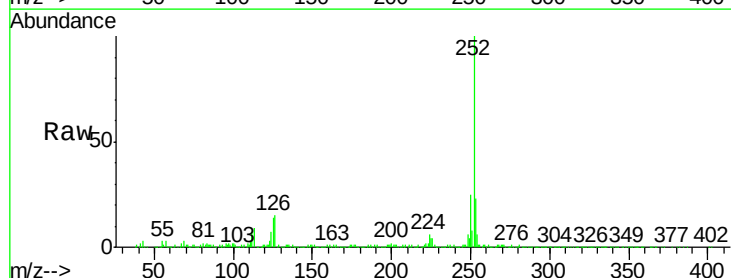
Instrument :
BNA_F
ClientSampleId :

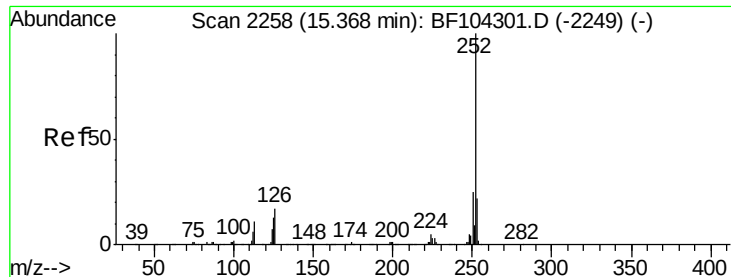
Tot Ion:252 Resp: 817305
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 13.8 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 70.715 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF104409.D
Acq: 10 Apr 2018 15:27

Tgt Ion:252 Resp: 817305
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 13.8 10.2 15.2





#89

Benzo(a)pyrene

Concen: 38.457 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

Instrument :

BNA_F

ClientSampleId :

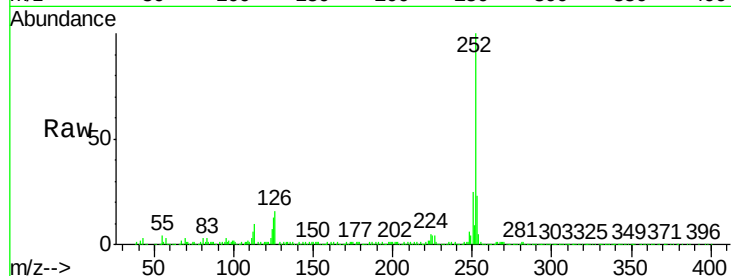
Tot Ion:252 Resp: 421252

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

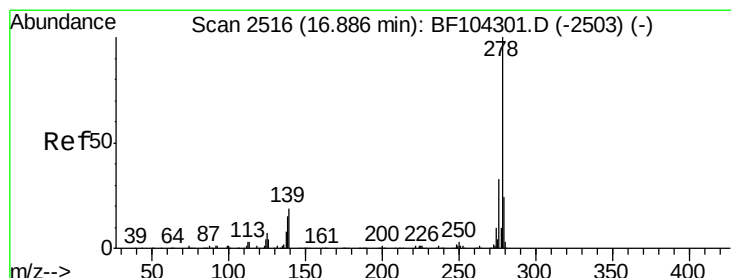
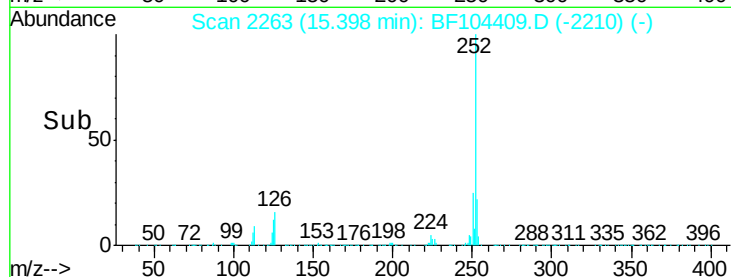
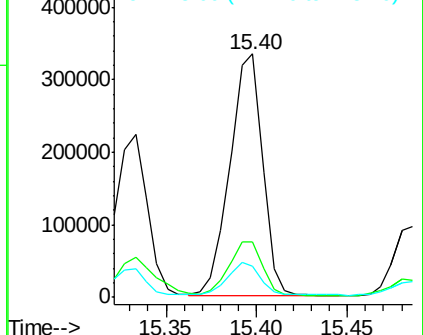
125 12.6 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 5.771 ng

RT: 17.08 min Scan# 2549

Delta R.T. 0.16 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

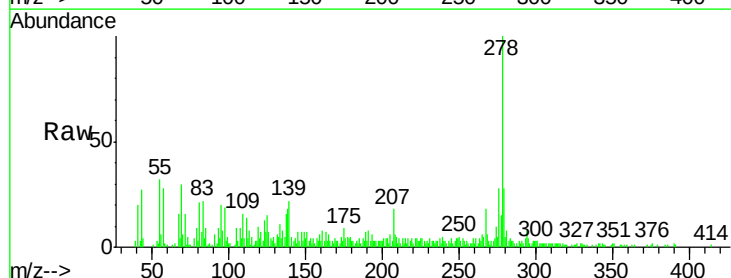
Tgt Ion:278 Resp: 51922

Ion Ratio Lower Upper

278 100

139 21.8 15.9 23.9

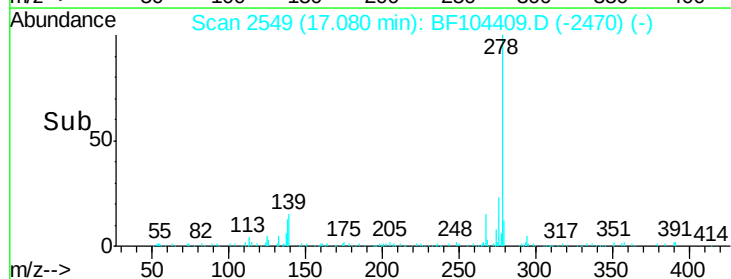
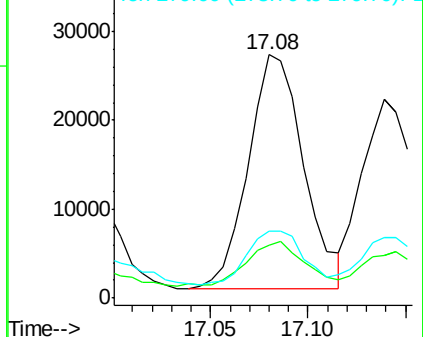
279 27.5 19.0 28.4

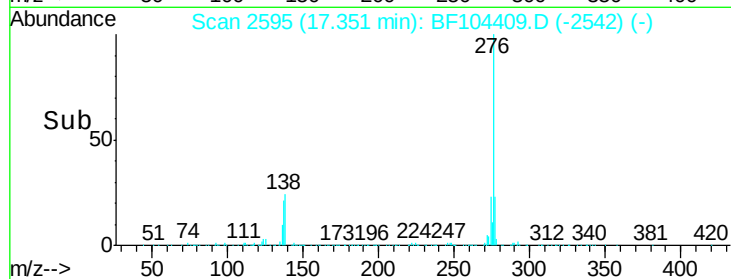
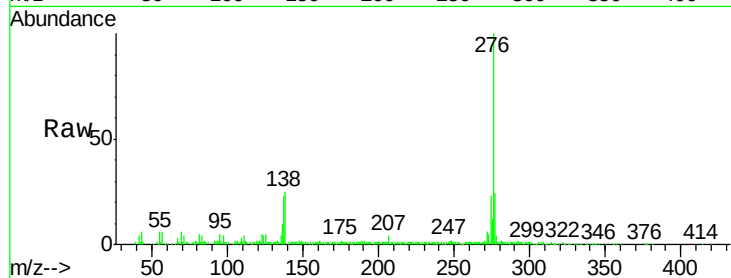
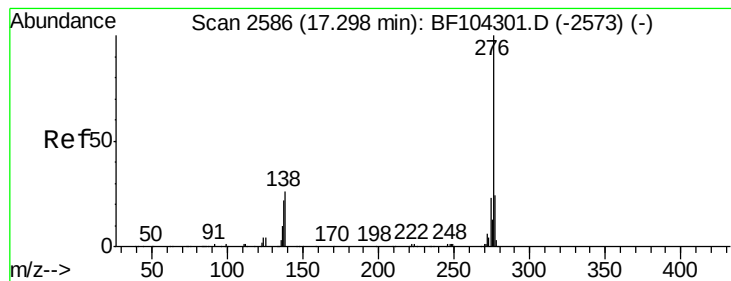


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 24.718 ng

RT: 17.35 min Scan# 2595

Delta R.T. 0.01 min

Lab File: BF104409.D

Acq: 10 Apr 2018 15:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 215440

Ion Ratio Lower Upper

276 100

277 24.3 17.9 26.9

138 25.1 21.8 32.8

