

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104748.D
 Acq On : 24 Apr 2018 10:29
 Operator : JU/SJ
 Sample : J2497-01DL 20X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 11:10:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	102155	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	407140	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	178712	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	281235	20.00	ng	0.00
75) Chrysene-d12	13.99	240	169210	20.00	ng	0.00
86) Perylene-d12	15.47	264	132544	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	23777	3.56	ng	0.01
7) Phenol-d6	6.45	99	31212	3.80	ng	0.00
23) Nitrobenzene-d5	7.37	82	17066	2.74	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	6034	3.25	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	42557	3.76	ng	0.00
78) Terphenyl-d14	12.93	244	32714	4.41	ng	0.00

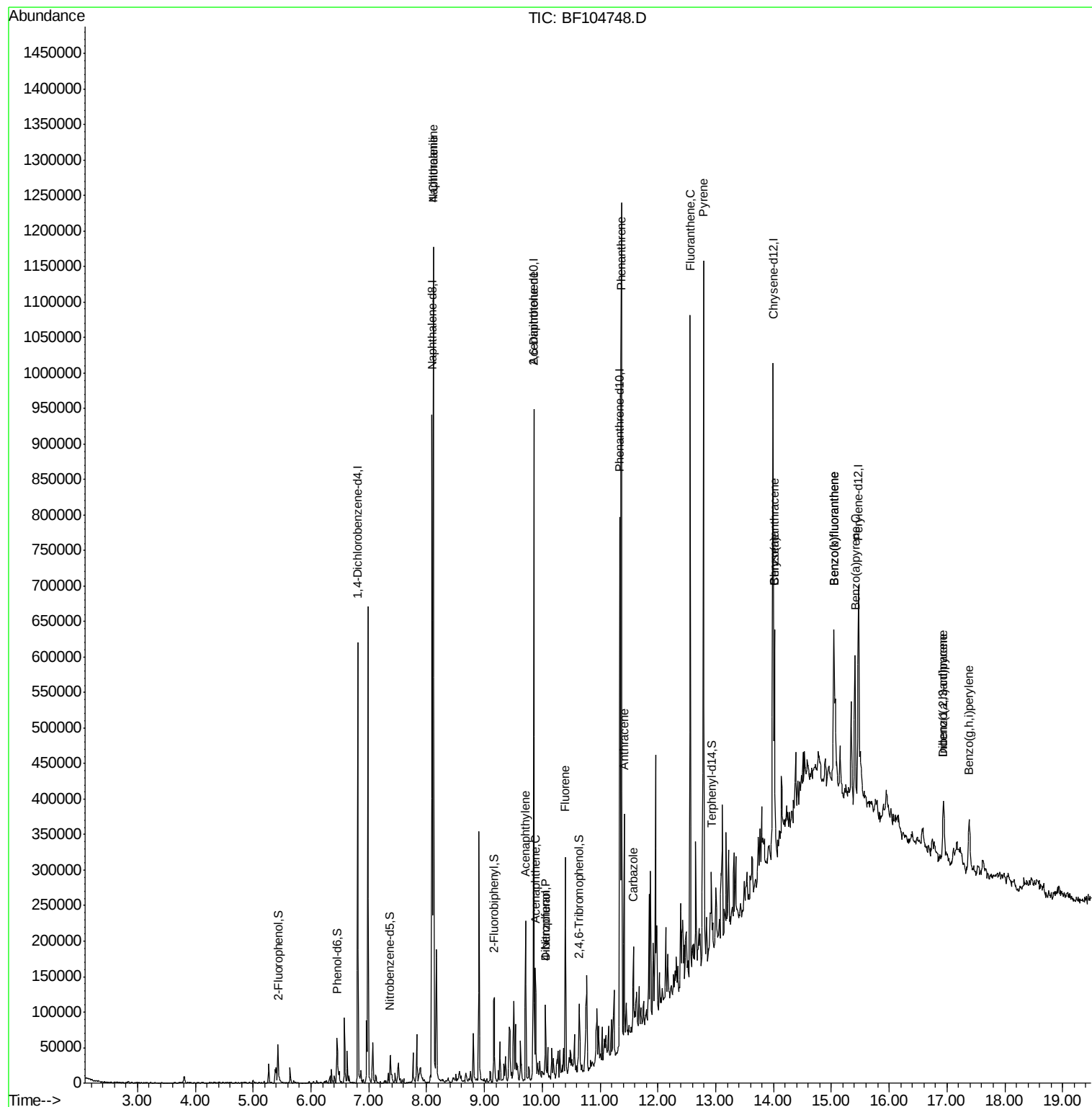
Target Compounds				Qvalue		
9) Benzaldehyde	6.36	77	1008	Below Cal	#	1
31) Naphthalene	8.12	128	479919	23.672	ng	100
33) 4-Chloroaniline	8.12	127	62929	7.245	ng	# 33
48) Acenaphthylene	9.71	152	79929	4.296	ng	98
50) 2,6-Dinitrotoluene	9.85	165	24454	9.378	ng	# 25
51) Acenaphthene	9.88	154	28590	2.519	ng	97
54) Dibenzofuran	10.06	168	36369	2.299	ng	98
55) 4-Nitrophenol	10.06	139	14093	5.877	ng	# 10
57) Fluorene	10.40	166	82715	7.183	ng	99
70) Phenanthrene	11.37	178	422943	27.005	ng	98
71) Anthracene	11.42	178	112279	7.053	ng	99
72) Carbazole	11.57	167	39077	2.512	ng	99
74) Fluoranthene	12.56	202	378085	23.105	ng	95
76) Benzidine	12.68	184	655	Below Cal	#	1
77) Pyrene	12.79	202	374250	29.839	ng	99
80) Benzo(a)anthracene	14.02	228	124713	12.337	ng	94
82) Chrysene	14.02	228	124713	12.011	ng	97
85) Indeno(1,2,3-cd)pyrene	16.94	276	57969	6.572	ng	# 93
87) Benzo(b)fluoranthene	15.04	252	163462	19.527	ng	# 92
88) Benzo(k)fluoranthene	15.04	252	163462	20.683	ng	# 95
89) Benzo(a)pyrene	15.40	252	88101	11.762	ng	# 92
90) Dibenzo(a,h)anthracene	16.94	278	12678	2.061	ng	# 77
91) Benzo(g,h,i)perylene	17.39	276	63115	10.590	ng	98

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104748.D
Acq On : 24 Apr 2018 10:29
Operator : JU/SJ
Sample : J2497-01DL 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 24 11:10:23 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration



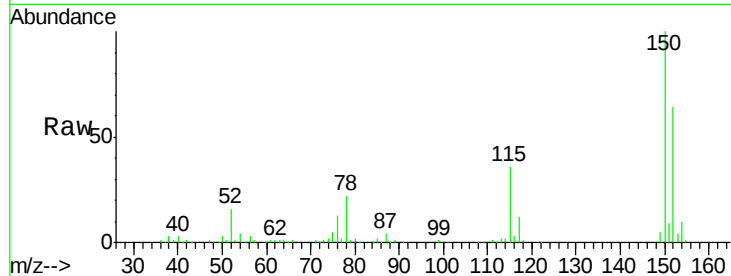


#1

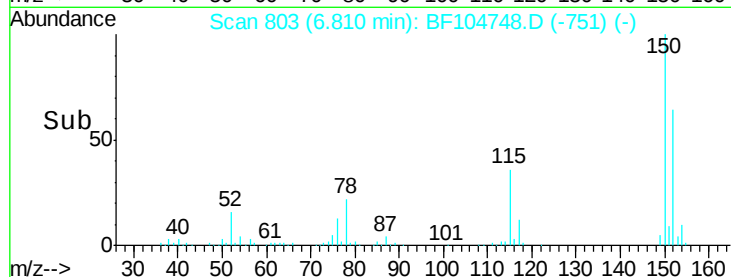
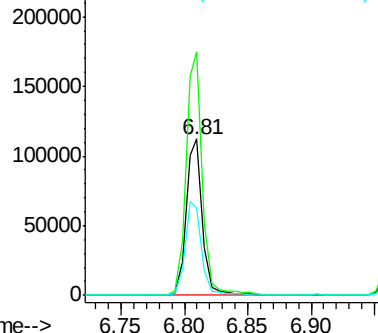
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104748.D
Acq: 24 Apr 2018 10:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102155
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 56.5 50.1 75.1



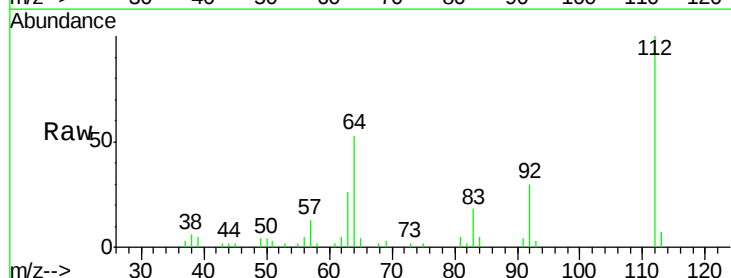
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



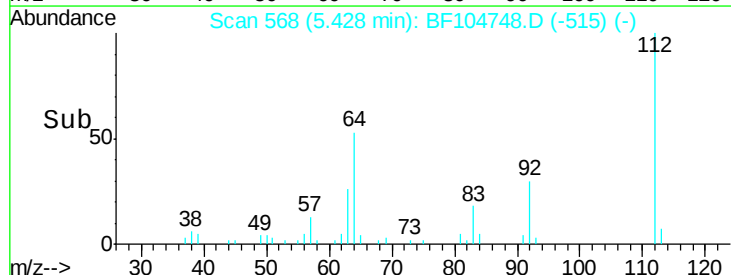
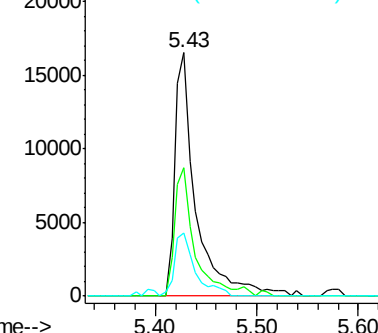
#5

2-Fluorophenol
Concen: 3.559 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104748.D
Acq: 24 Apr 2018 10:29

Tgt Ion:112 Resp: 23777
Ion Ratio Lower Upper
112 100
64 52.6 47.9 71.9
63 26.1 23.7 35.5



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





#7

Phenol-d6

Concen: 3.802 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

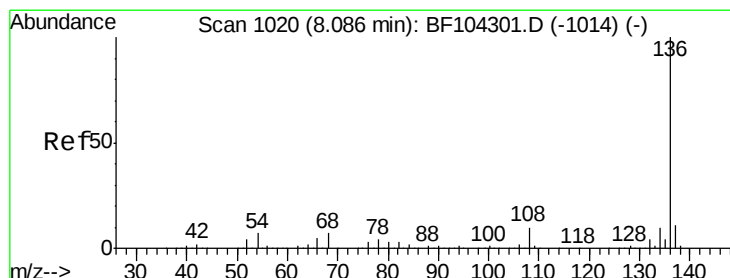
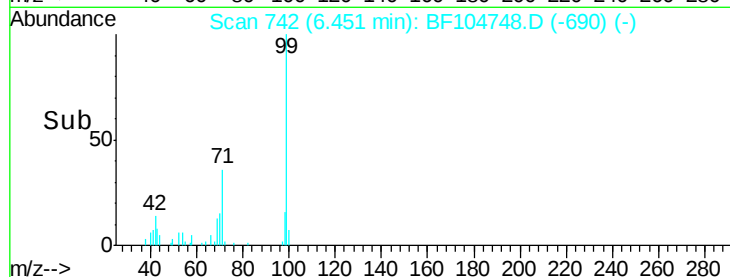
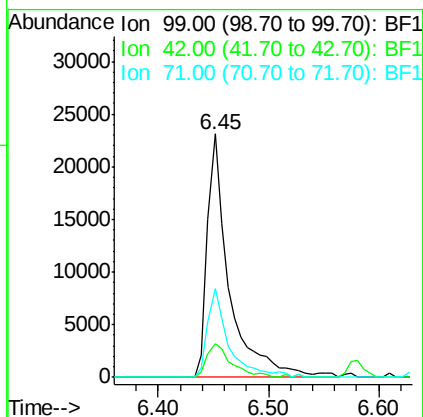
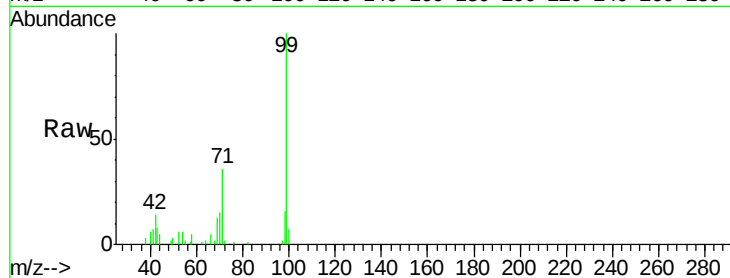
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 31212

Ion	Ratio	Lower	Upper
99	100		
42	14.0	14.5	21.7#
71	36.4	25.4	38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

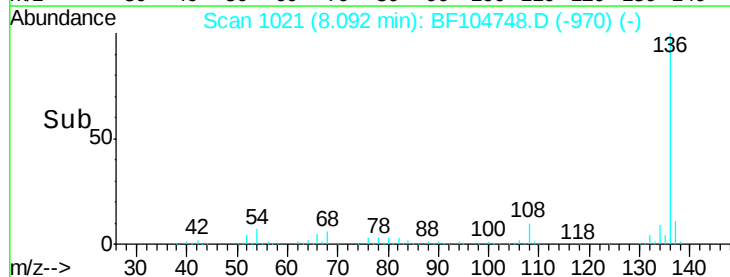
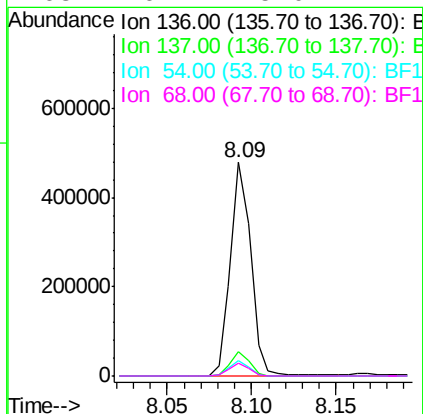
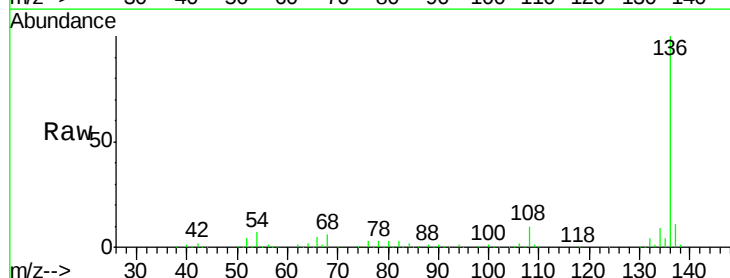
Delta R.T. -0.00 min

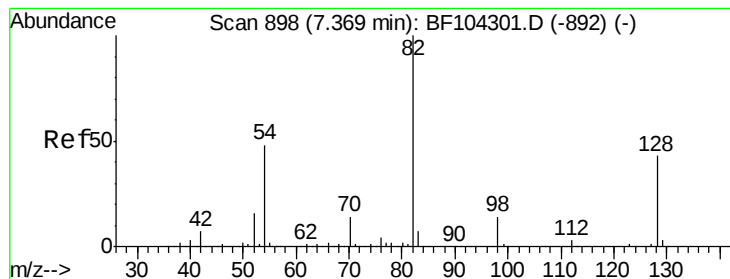
Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

Tgt Ion: 136 Resp: 407140

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	7.0	6.6	9.8
68	6.2	5.0	7.4





#23

Nitrobenzene-d5

Concen: 2.737 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

Instrument :

BNA_F

ClientSampleId :

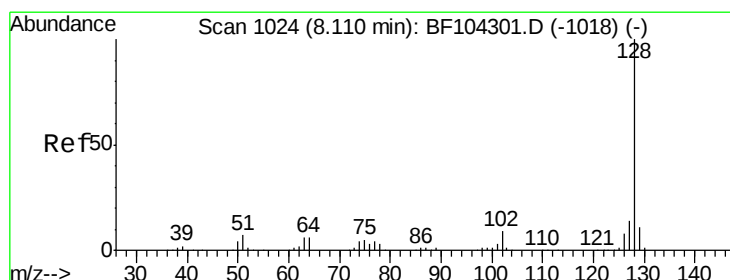
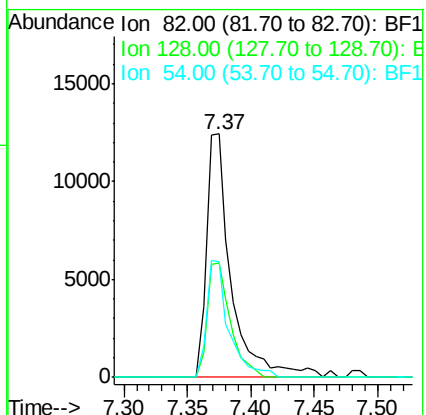
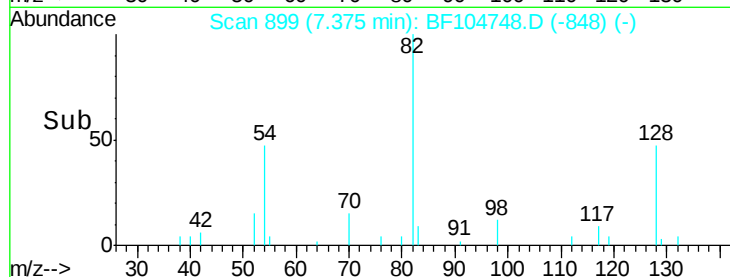
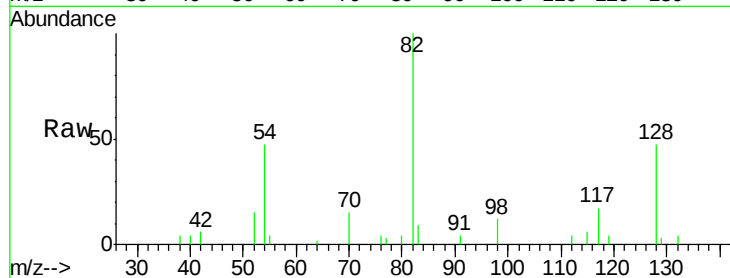
Tot Ion: 82 Resp: 17066

Ion Ratio Lower Upper

82 100

128 46.8 36.1 54.1

54 47.3 41.4 62.2



#31

Naphthalene

Concen: 23.672 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

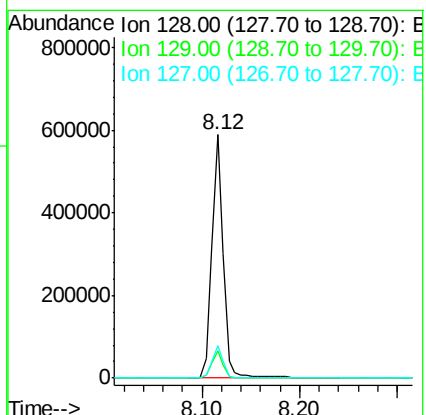
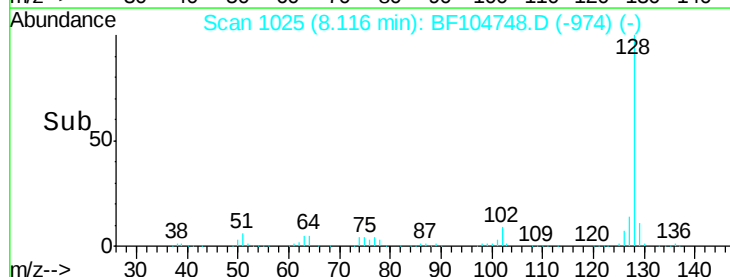
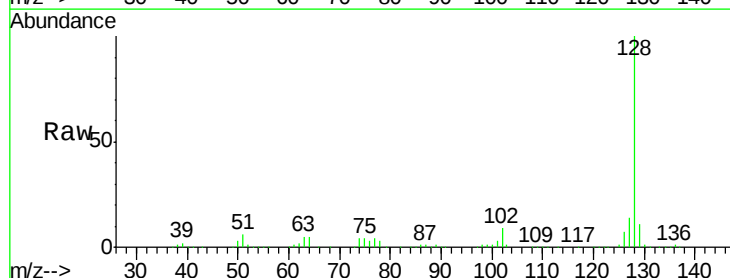
Tgt Ion: 128 Resp: 479919

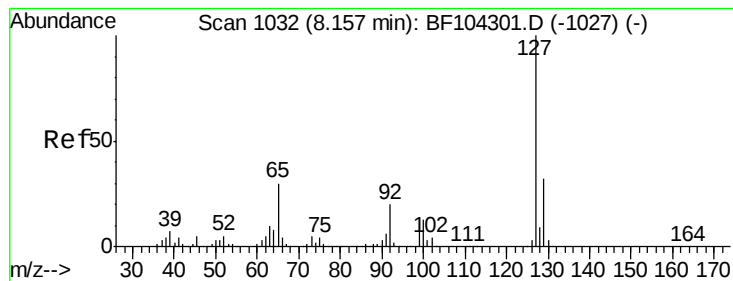
Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.6 10.9 16.3





#33

4-Chloroaniline

Concen: 7.245 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.05 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 62929

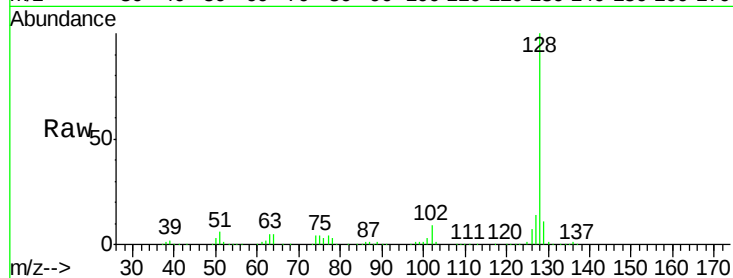
Ion Ratio Lower Upper

127 100

129 83.6 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

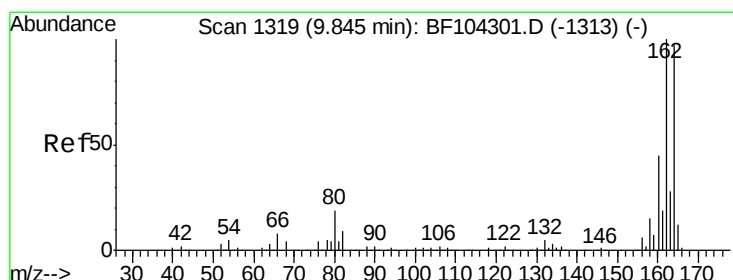
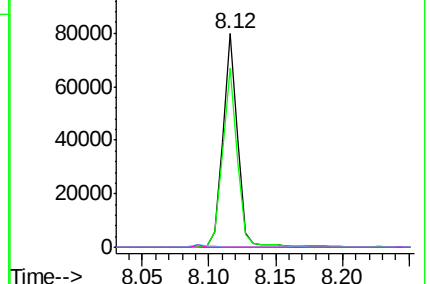
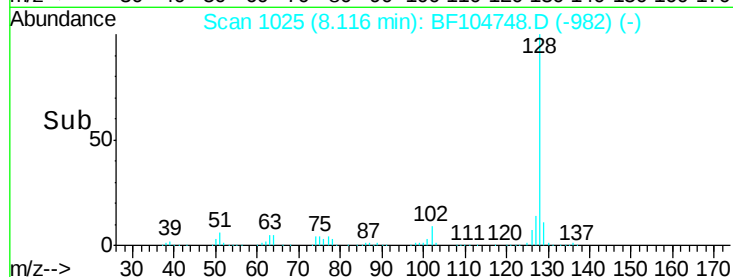


Abundance Ion 127.00 (126.70 to 127.70): E

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

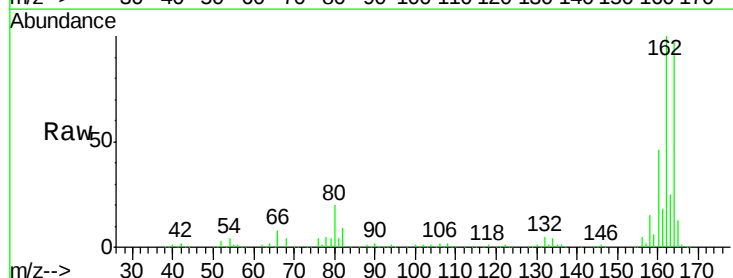
Tgt Ion:164 Resp: 178712

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

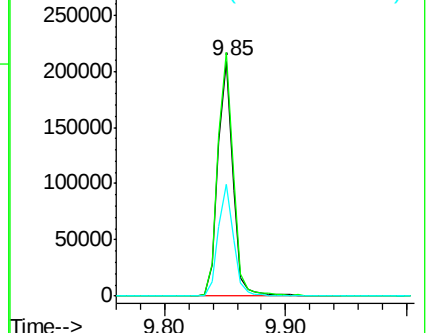
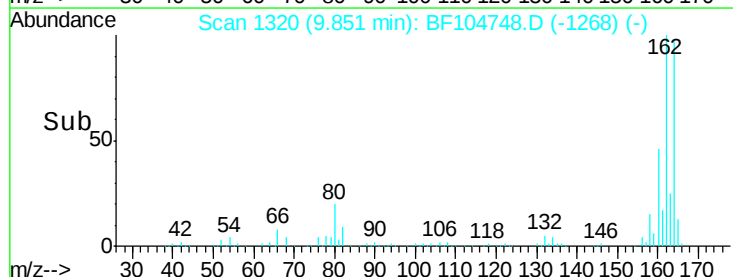
160 47.7 38.3 57.5

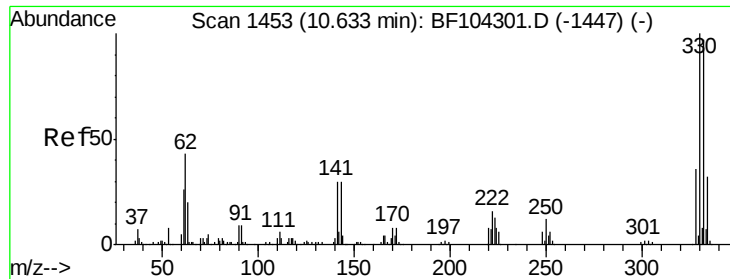


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

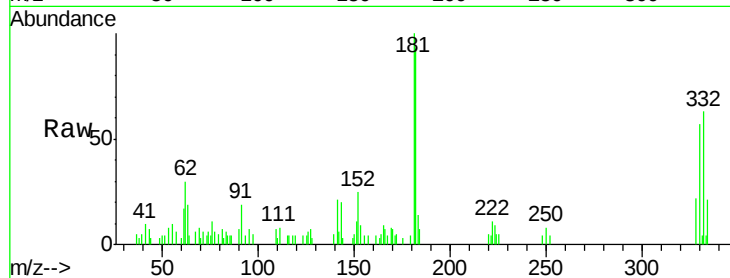




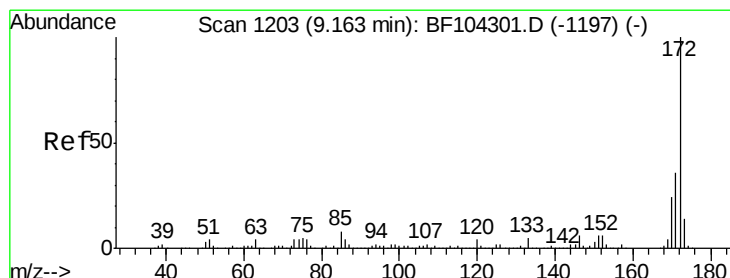
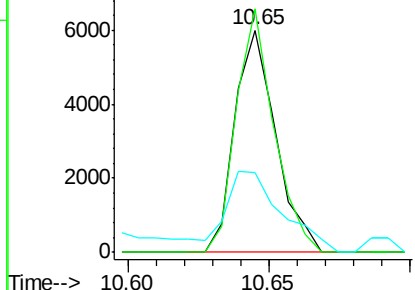
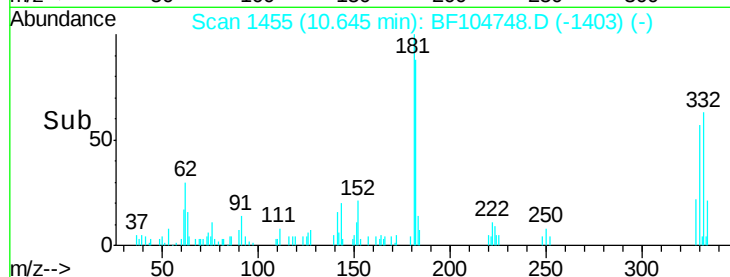
#41
 2,4,6-Tribromophenol
 Concen: 3.255 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104748.D
 Acq: 24 Apr 2018 10:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 6034
 Ion Ratio Lower Upper
 330 100
 332 101.1 77.0 115.6
 141 51.2 29.9 44.9#

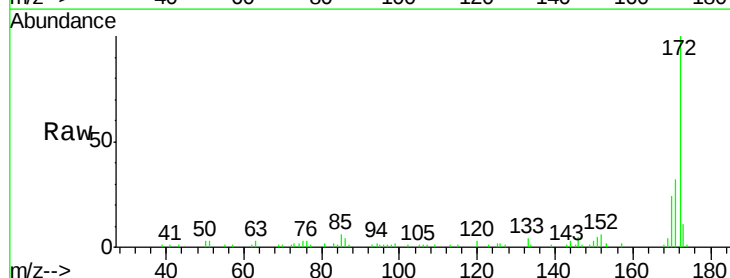


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

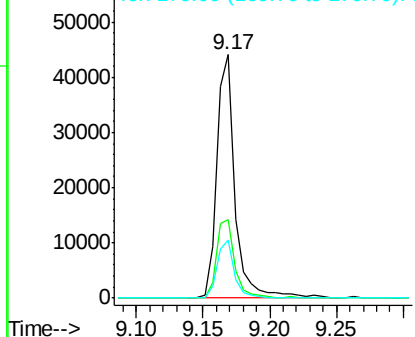
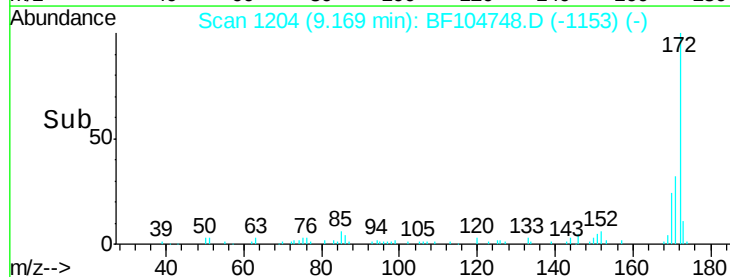


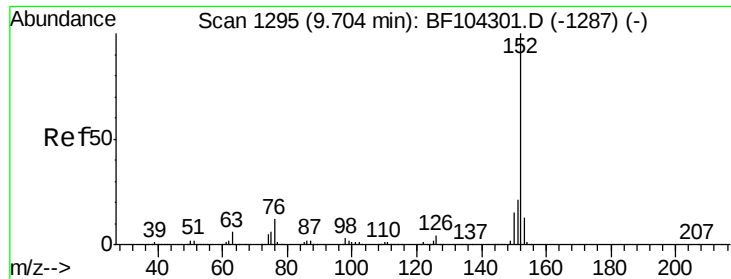
#44
 2-Fluorobiphenyl
 Concen: 3.762 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104748.D
 Acq: 24 Apr 2018 10:29

Tgt Ion:172 Resp: 42557
 Ion Ratio Lower Upper
 172 100
 171 32.0 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





#48

Acenaphthylene

Concen: 4.296 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

Instrument :

BNA_F

ClientSampleId :

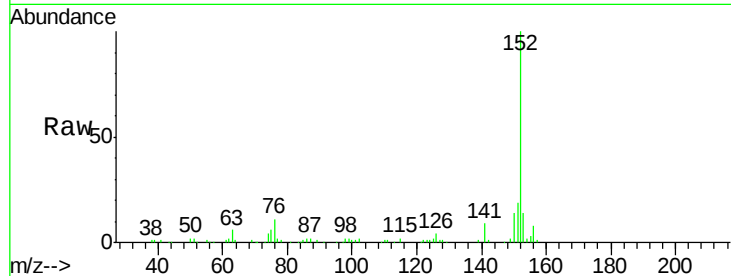
Tot Ion:152 Resp: 79929

Ion Ratio Lower Upper

152 100

151 19.1 16.3 24.5

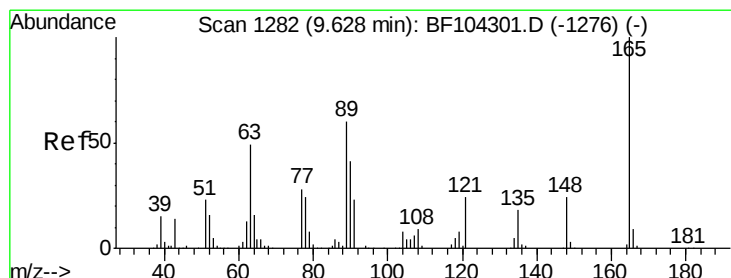
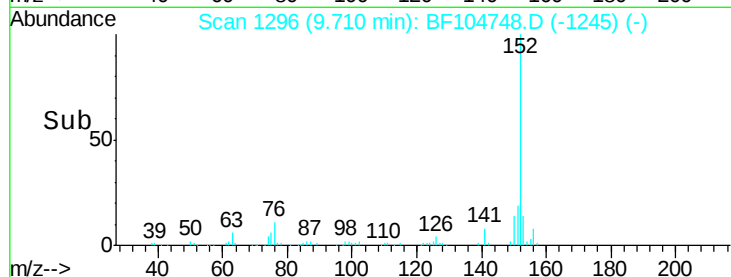
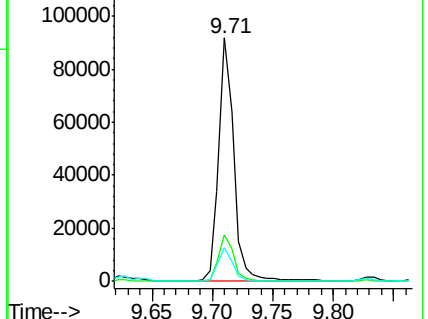
153 14.0 10.7 16.1



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



#50

2,6-Dinitrotoluene

Concen: 9.378 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

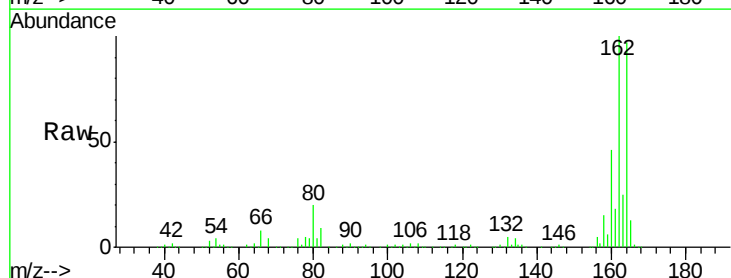
Tgt Ion:165 Resp: 24454

Ion Ratio Lower Upper

165 100

63 1.1 44.7 67.1#

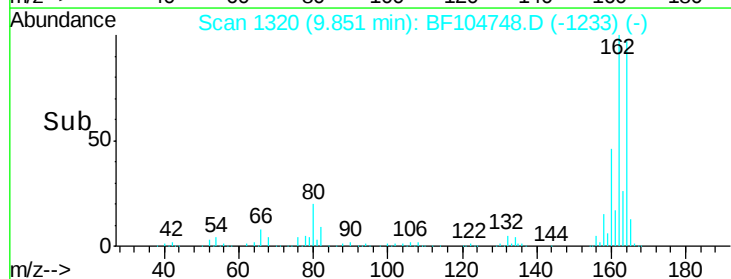
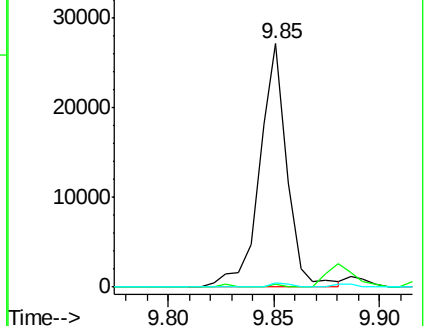
89 1.6 44.0 66.0#

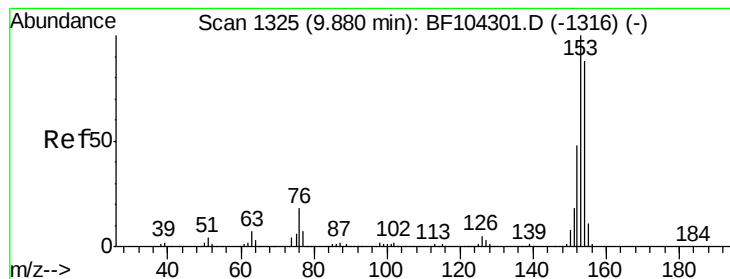


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 2.519 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

Instrument :

BNA_F

ClientSampleId :

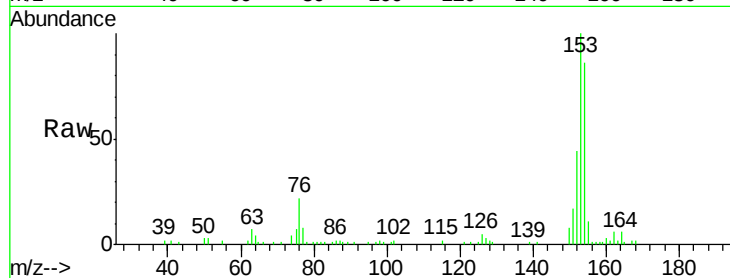
Tot Ion:154 Resp: 28590

Ion Ratio Lower Upper

154 100

153 116.3 91.2 136.8

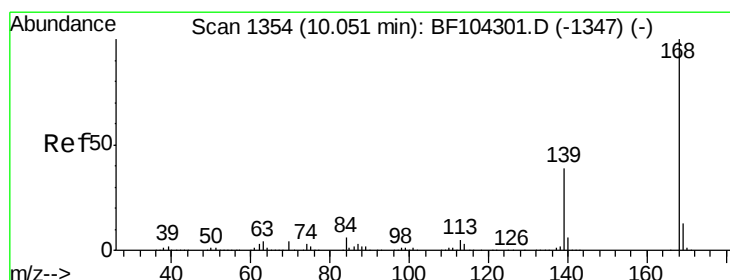
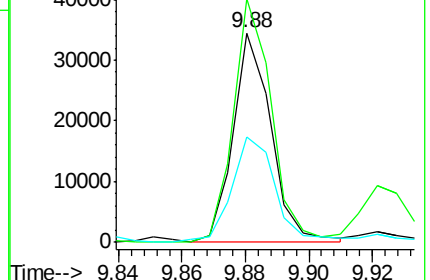
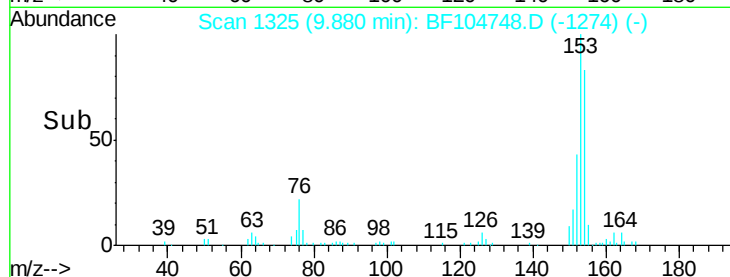
152 50.6 43.8 65.8



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

Dibenzofuran

Concen: 2.299 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.01 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

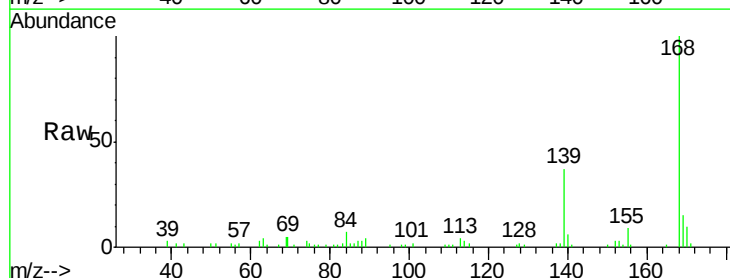
Tgt Ion:168 Resp: 36369

Ion Ratio Lower Upper

168 100

139 37.0 30.1 45.1

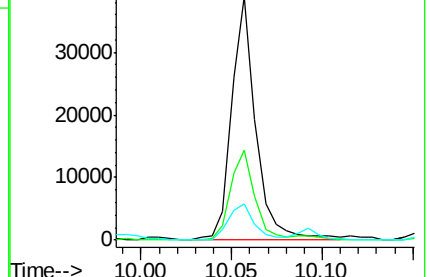
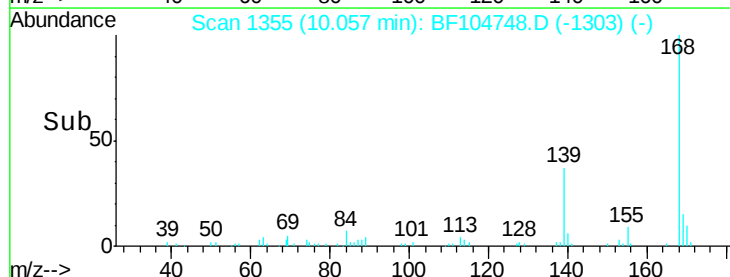
169 14.9 10.9 16.3

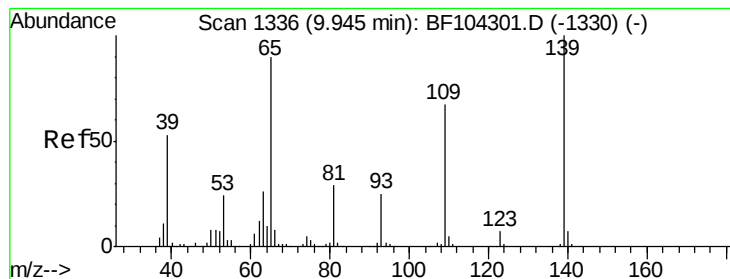


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 5.877 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.08 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

Instrument :

BNA_F

ClientSampleId :

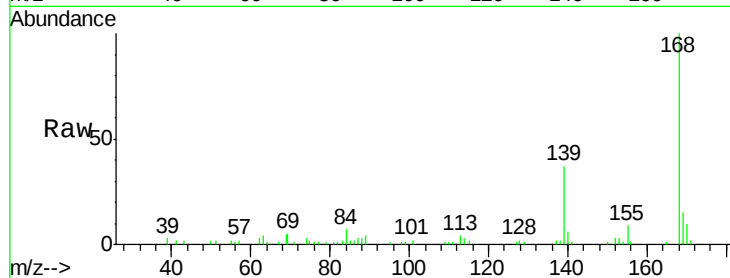
Tot Ion:139 Resp: 14093

Ion Ratio Lower Upper

139 100

109 3.4 48.4 88.4#

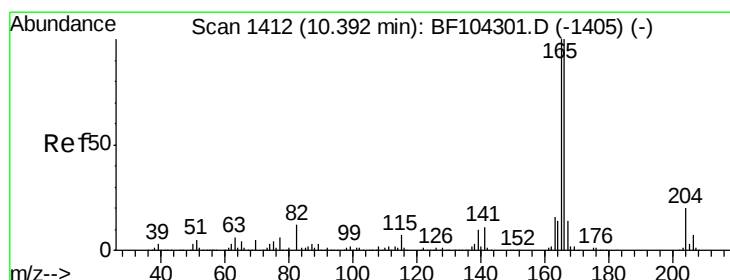
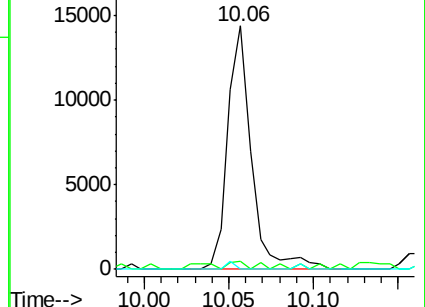
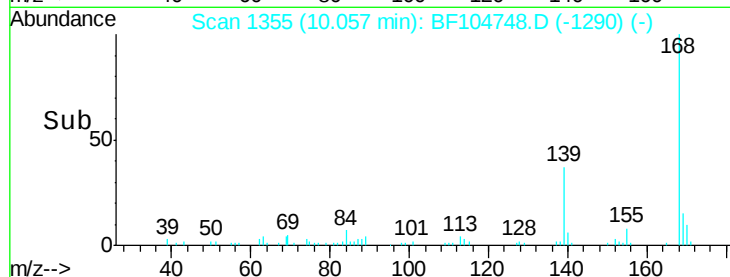
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

Fluorene

Concen: 7.183 ng

RT: 10.40 min Scan# 1413

Delta R.T. -0.00 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

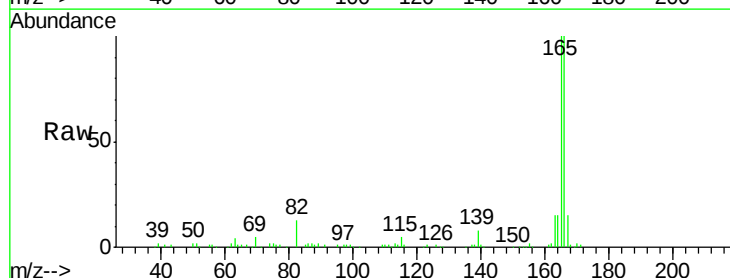
Tgt Ion:166 Resp: 82715

Ion Ratio Lower Upper

166 100

165 100.2 79.8 119.8

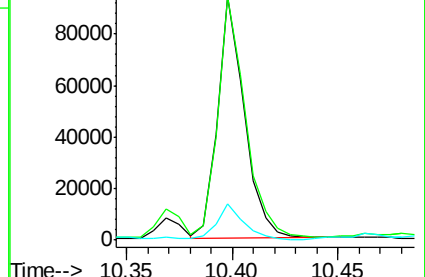
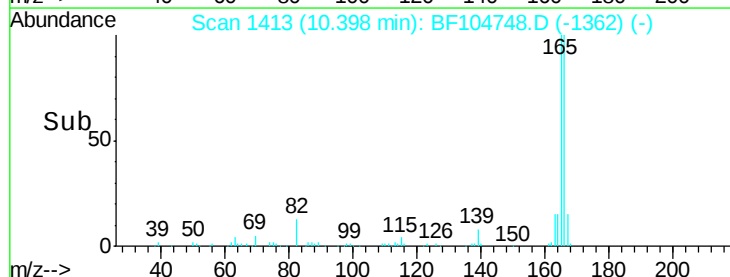
167 14.7 10.6 16.0

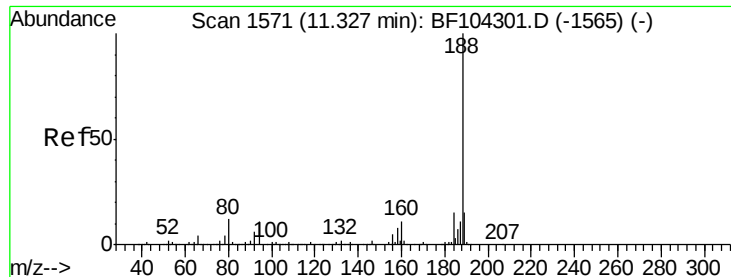


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

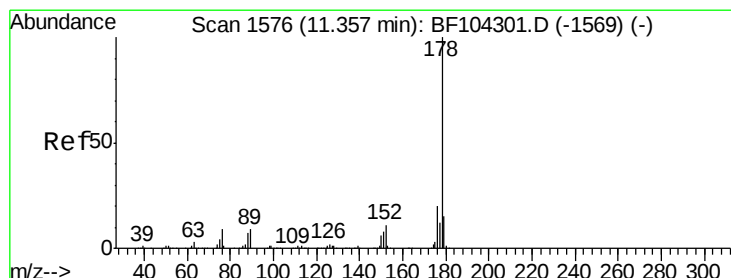
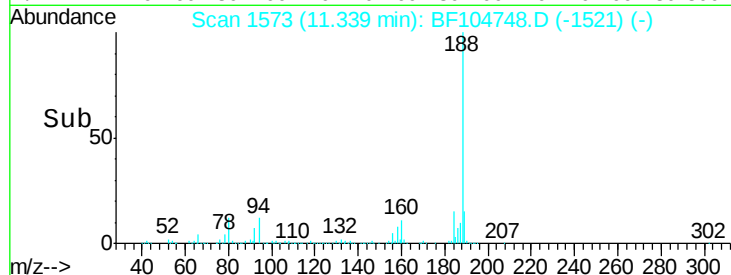
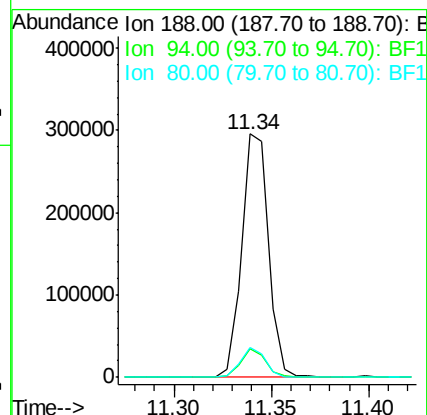
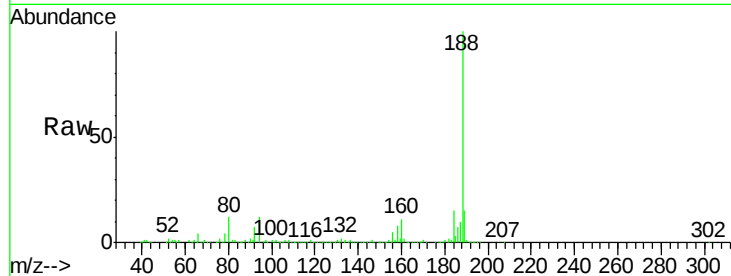




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104748.D
Acq: 24 Apr 2018 10:29

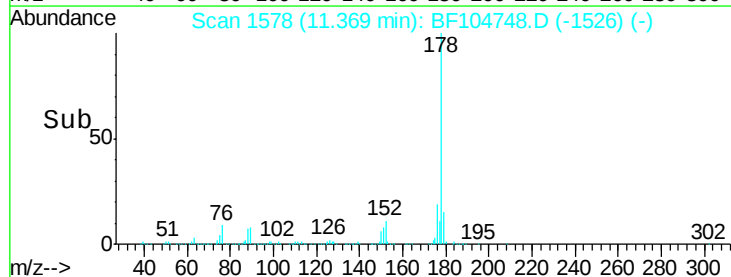
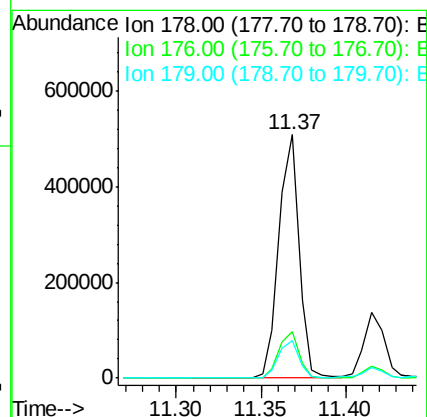
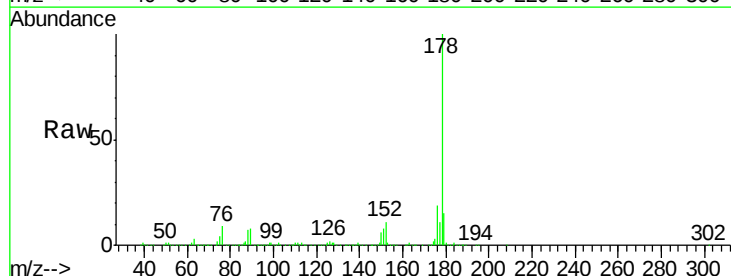
Instrument :
BNA_F
ClientSampleId :

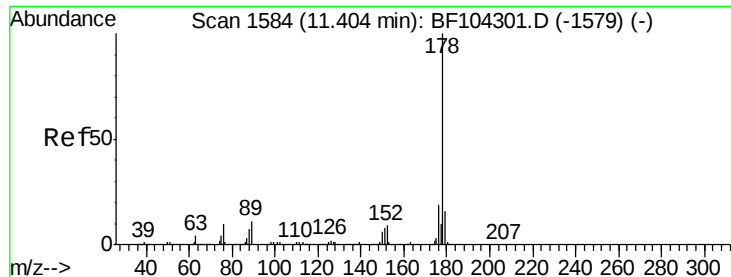
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.5	12.7
80	12.4	9.2	13.8



#70
Phenanthrene
Concen: 27.005 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.01 min
Lab File: BF104748.D
Acq: 24 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.3	13.0	19.6

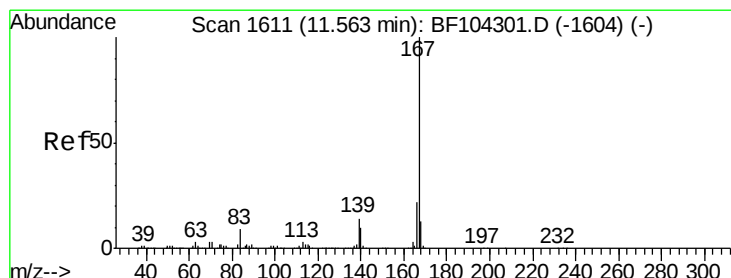
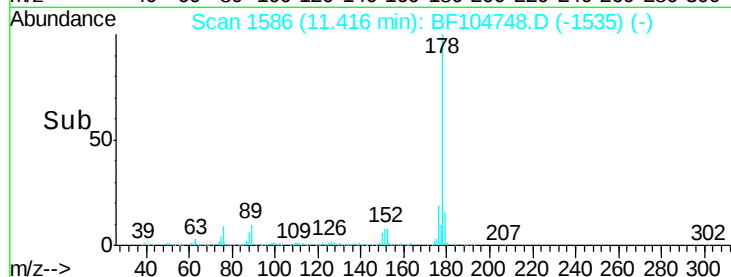
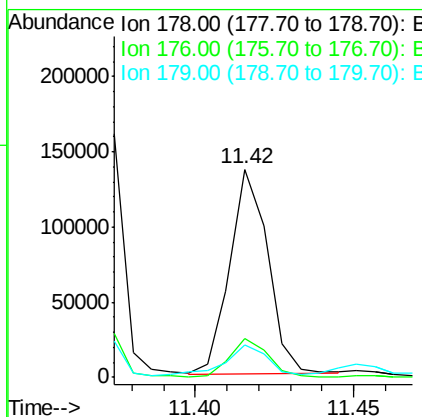
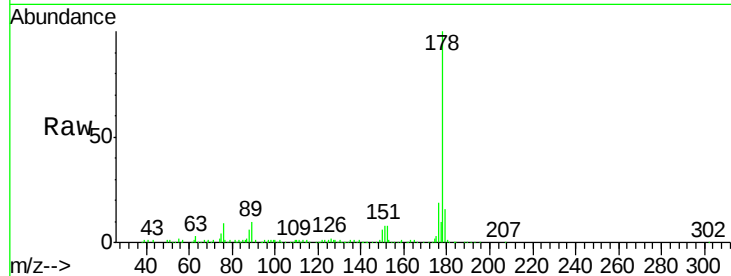




#71
 Anthracene
 Concen: 7.053 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF104748.D
 Acq: 24 Apr 2018 10:29

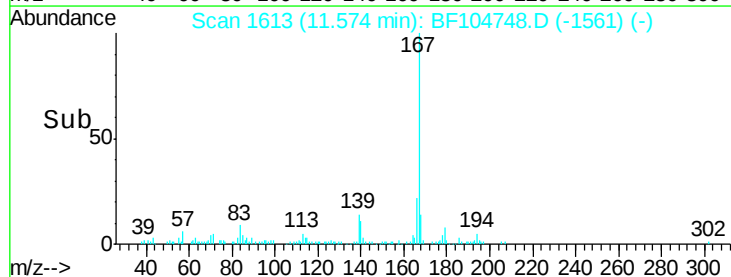
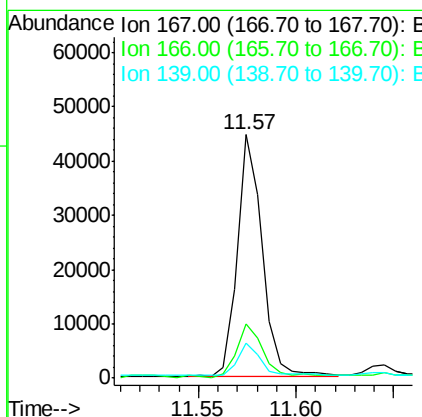
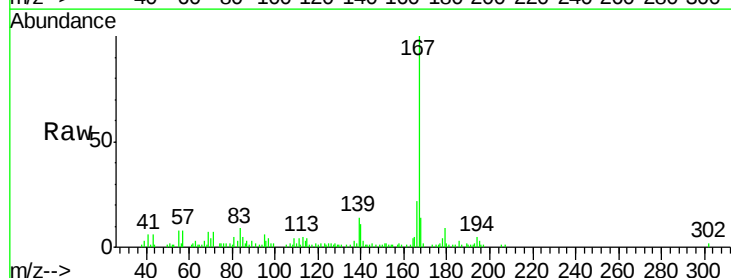
Instrument :
 BNA_F
 ClientSampled :

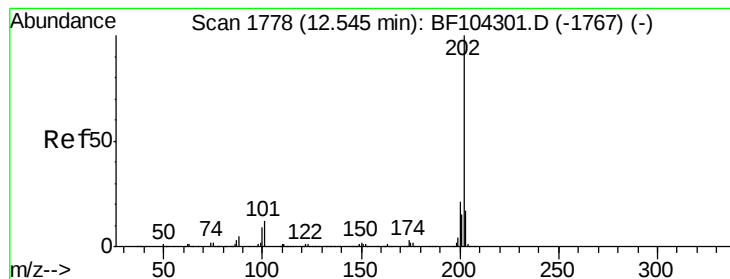
Tot Ion:178 Resp: 112279
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 15.8 12.6 19.0



#72
 Carbazole
 Concen: 2.512 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: BF104748.D
 Acq: 24 Apr 2018 10:29

Tgt Ion:167 Resp: 39077
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.6 26.4
 139 14.2 10.9 16.3





#74

Fluoranthene

Concen: 23.105 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

Instrument :

BNA_F

ClientSampleId :

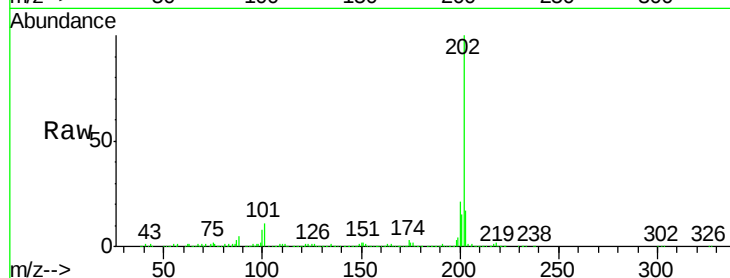
Tot Ion:202 Resp: 378085

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.1

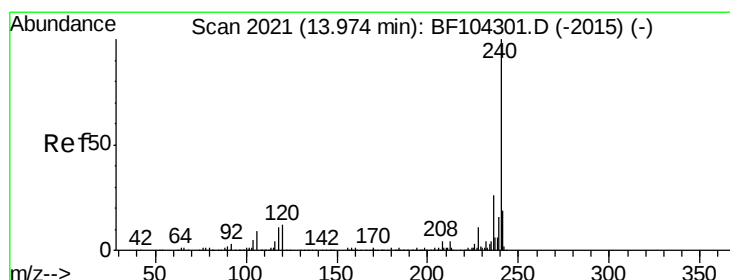
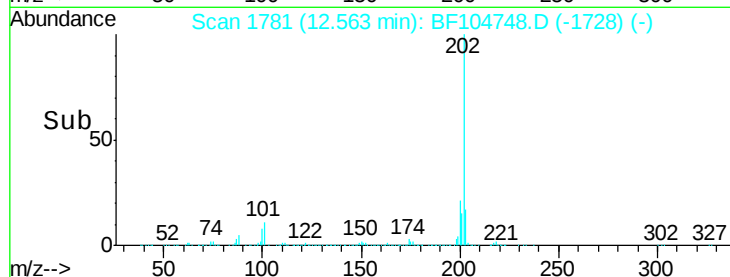
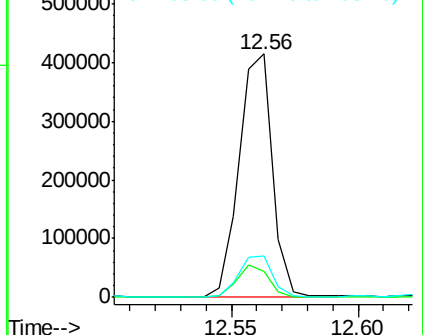
203 17.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

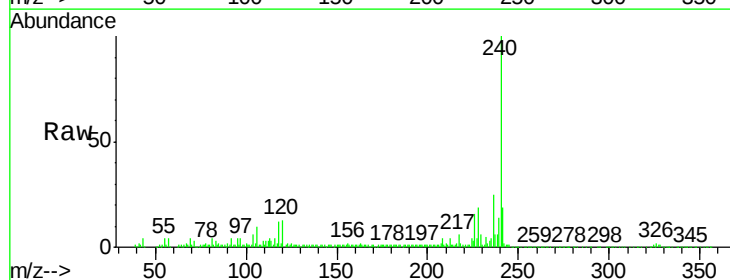
Tgt Ion:240 Resp: 169210

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

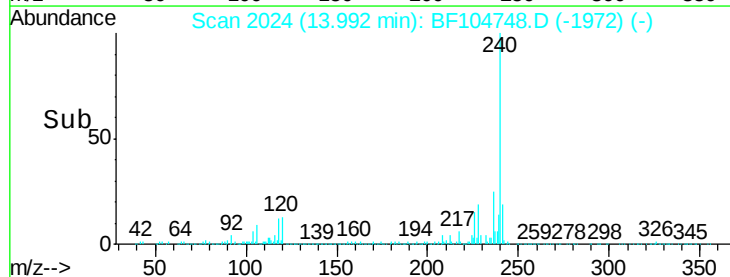
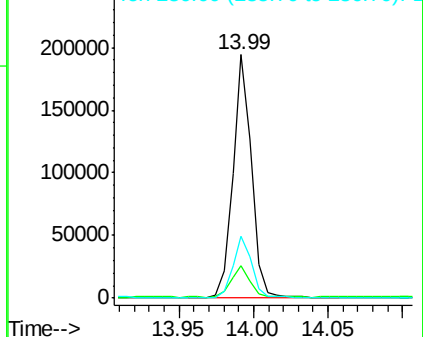
236 25.4 20.7 31.1

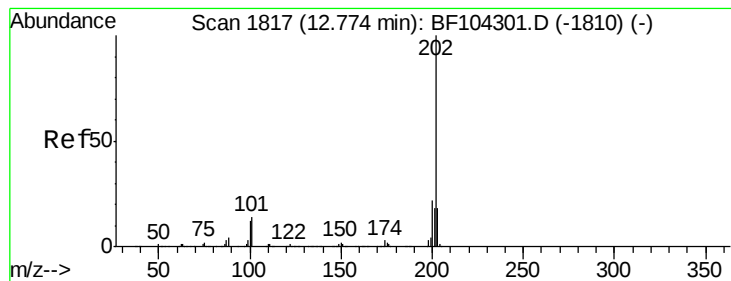


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 29.839 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

Instrument :

BNA_F

ClientSampleId :

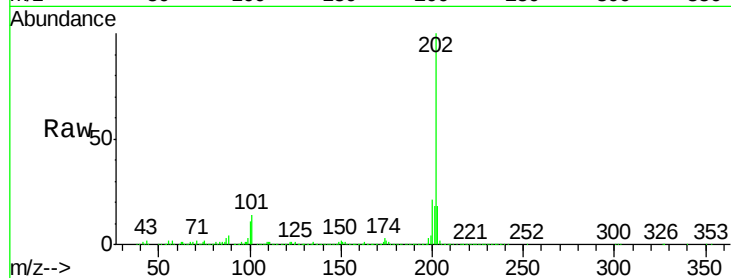
Tot Ion:202 Resp: 374250

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

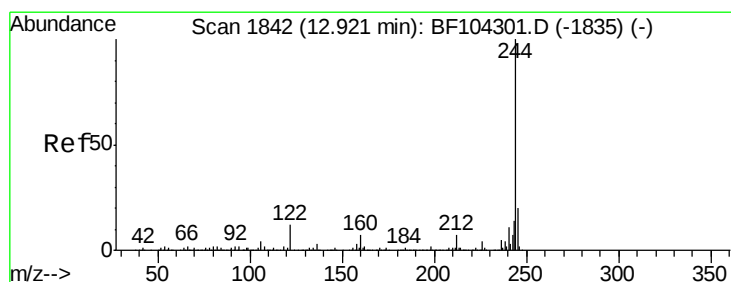
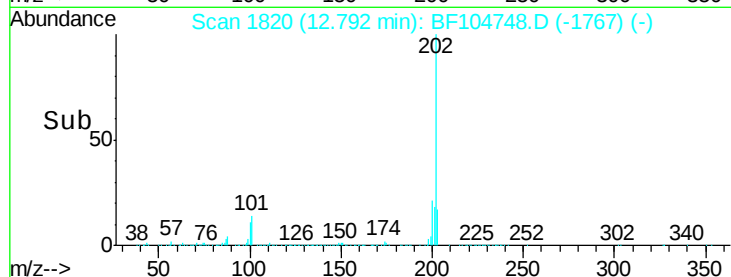
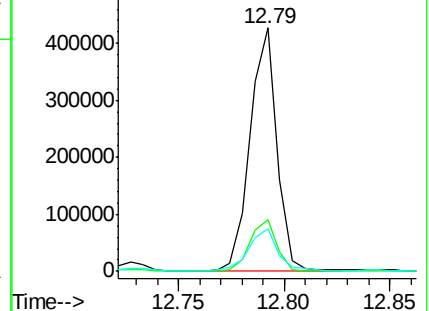
203 17.7 14.3 21.5



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: 4.408 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

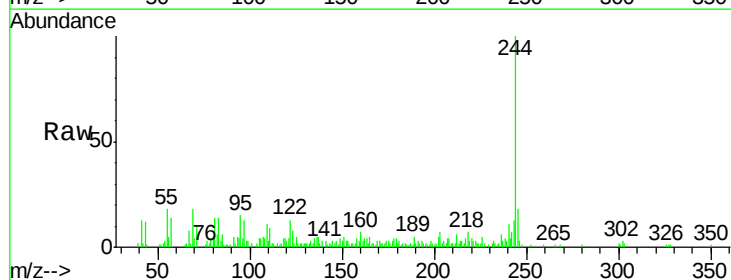
Tgt Ion:244 Resp: 32714

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

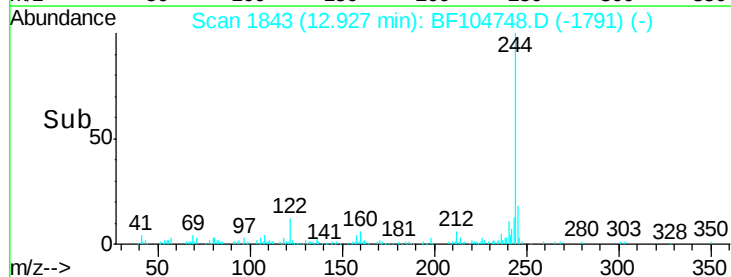
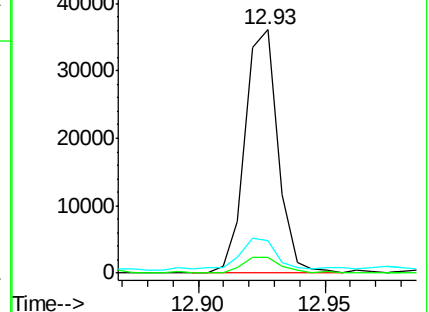
122 13.2 11.0 16.4

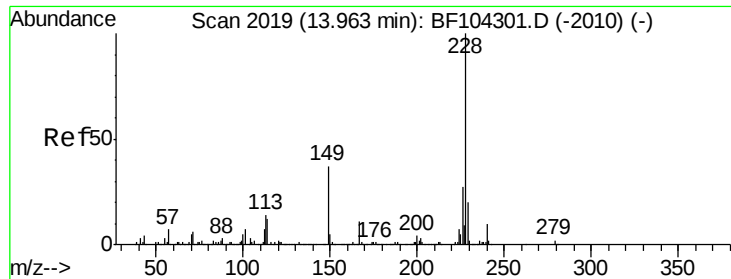


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 12.337 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.04 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

Instrument :

BNA_F

ClientSampleId :

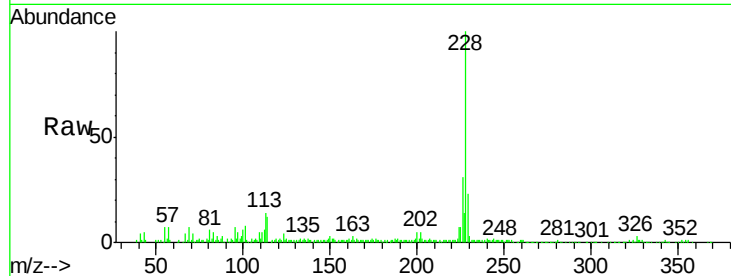
Tot Ion:228 Resp: 124713

Ion Ratio Lower Upper

228 100

226 30.6 22.6 33.8

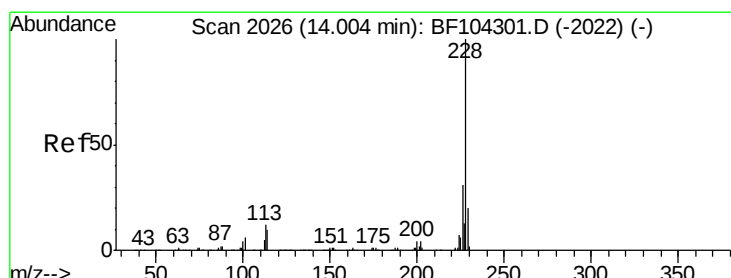
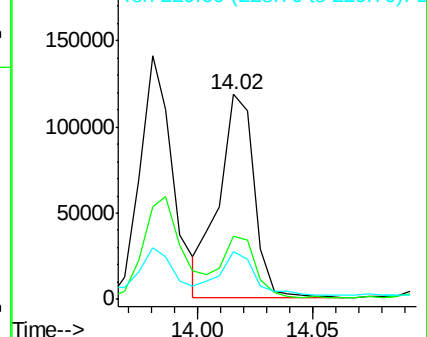
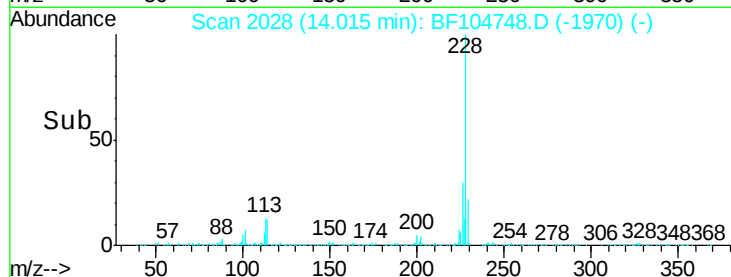
229 23.2 15.8 23.6



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: 12.011 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

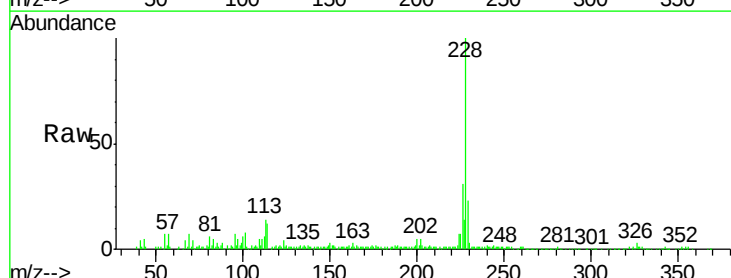
Tgt Ion:228 Resp: 124713

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

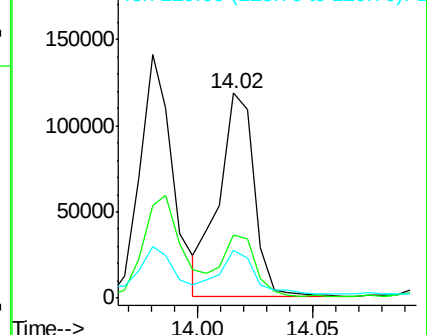
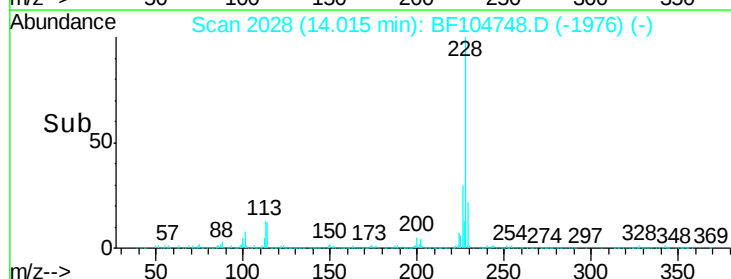
229 23.2 16.2 24.4

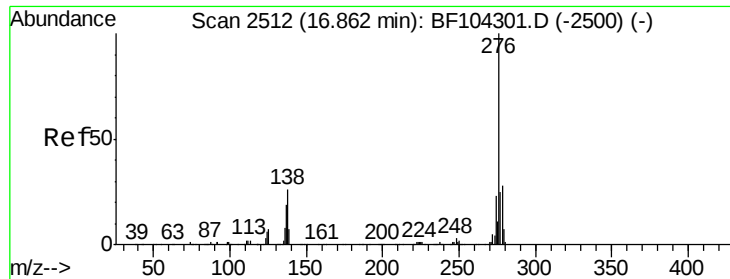


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

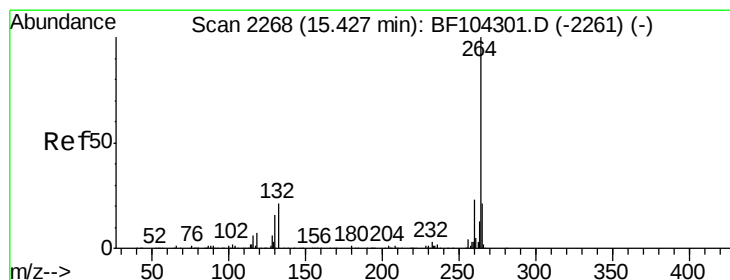
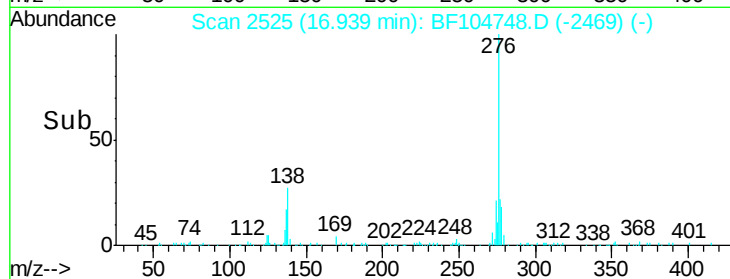
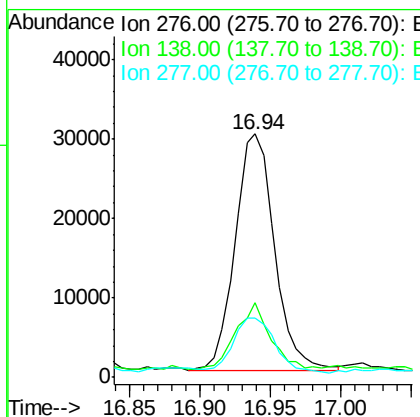
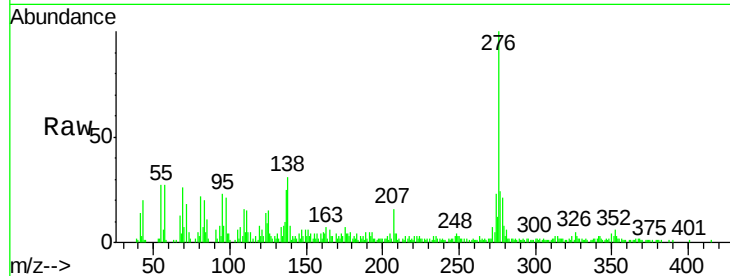




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.572 ng
 RT: 16.94 min Scan# 2525
 Delta R.T. 0.03 min
 Lab File: BF104748.D
 Acq: 24 Apr 2018 10:29

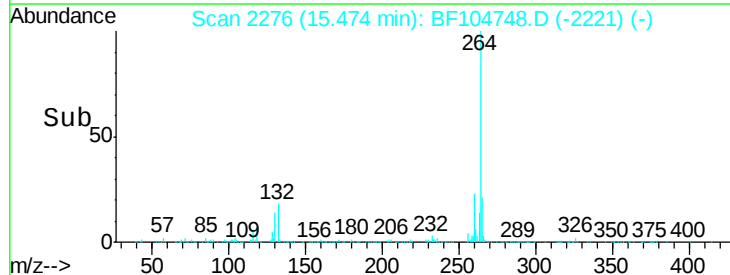
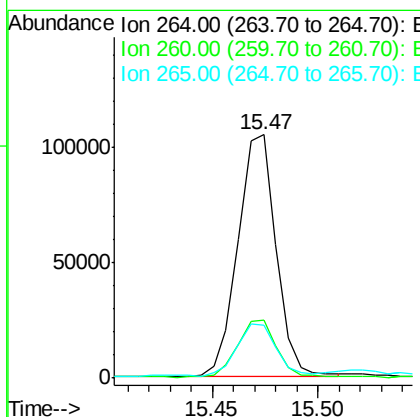
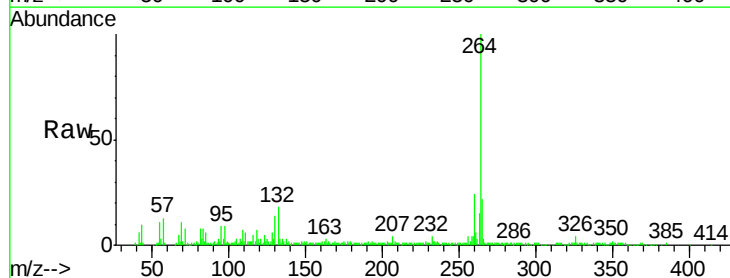
Instrument :
 BNA_F
 ClientSampleId :

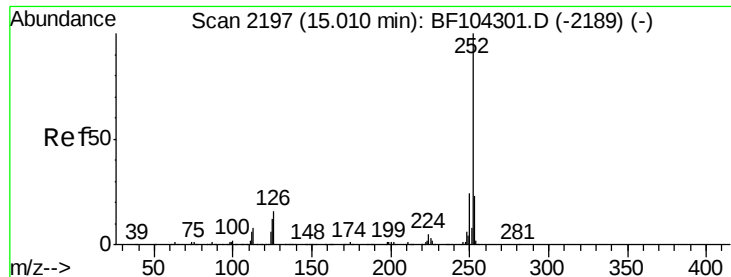
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.7	25.0	37.6#
277	24.6	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.02 min
 Lab File: BF104748.D
 Acq: 24 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.9	17.5	26.3

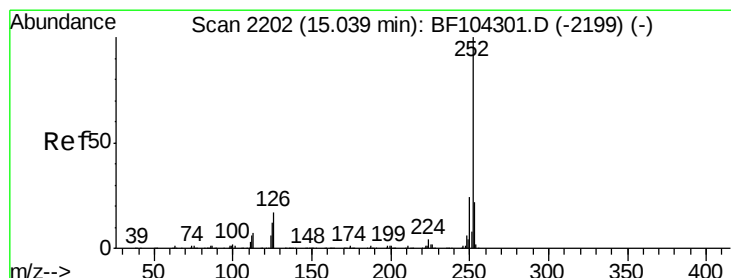
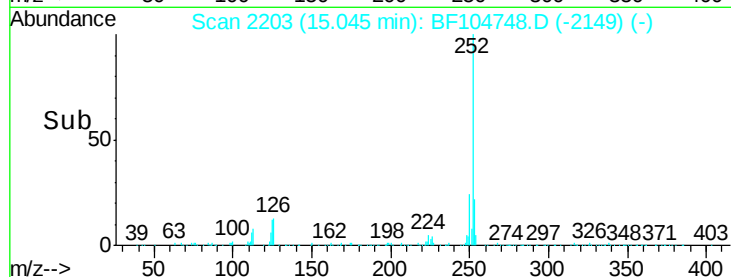
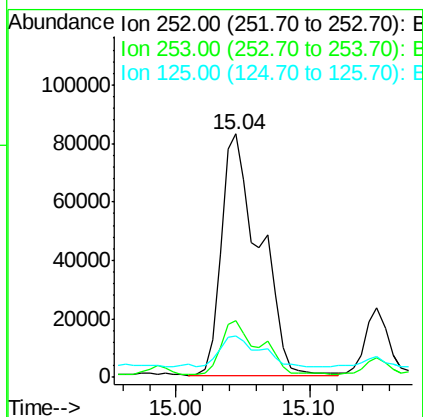
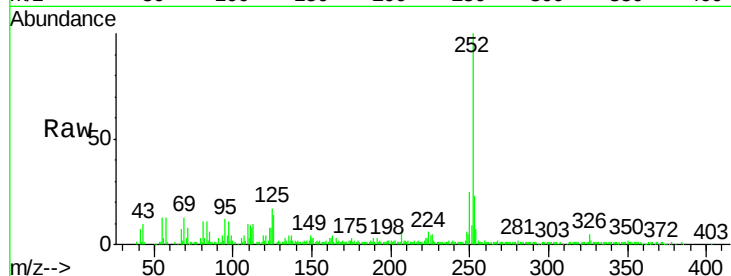




#87
Benzo(b)fluoranthene
Concen: 19.527 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.02 min
Lab File: BF104748.D
Acq: 24 Apr 2018 10:29

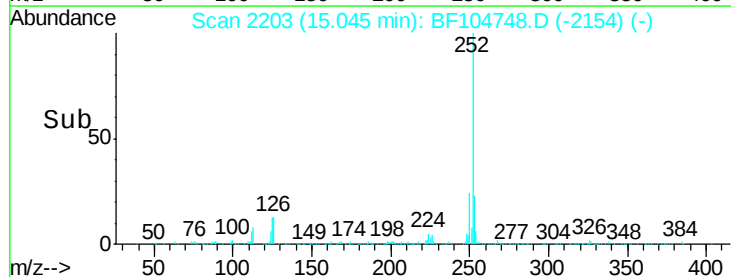
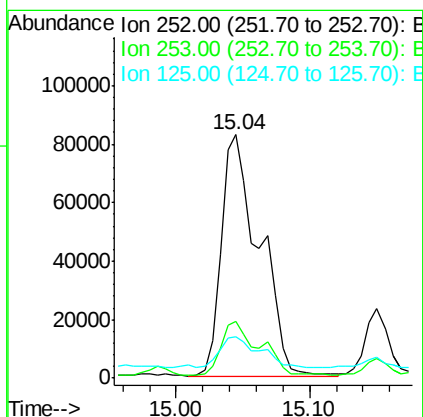
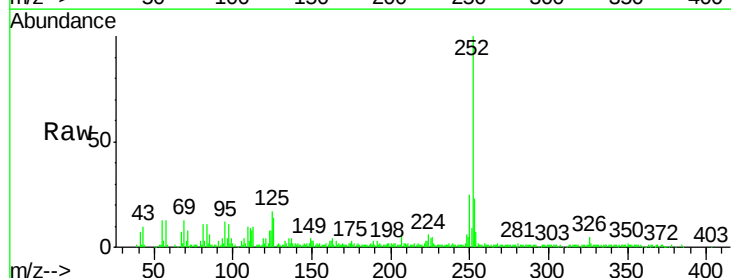
Instrument :
BNA_F
ClientSampleId :

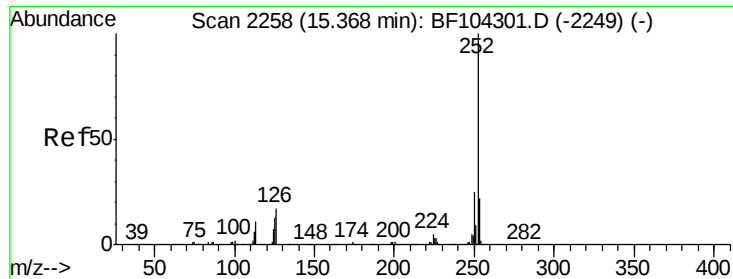
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	17.0	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 20.683 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF104748.D
Acq: 24 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	17.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 11.762 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF104748.D

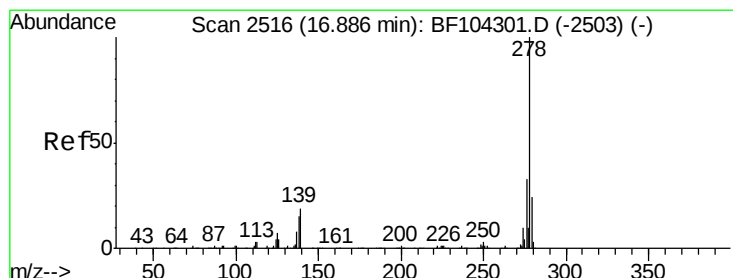
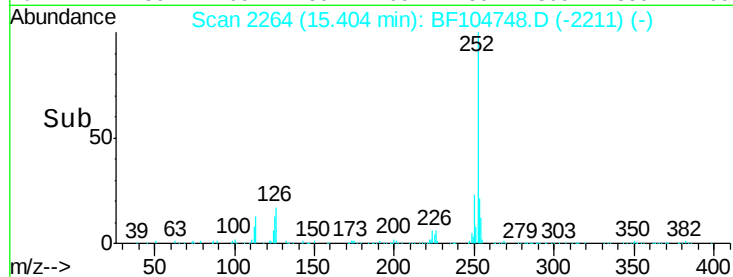
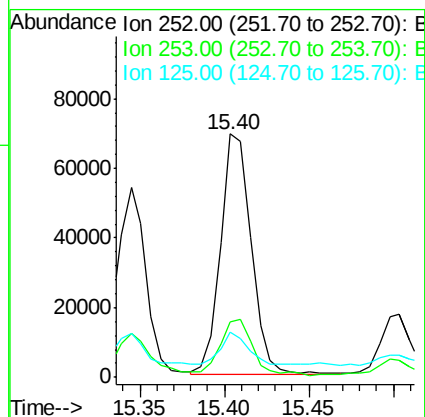
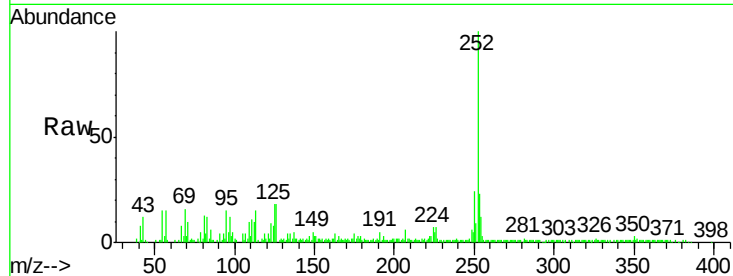
Acq: 24 Apr 2018 10:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 88101
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.1 25.7
 125 18.5 9.8 14.6#



#90

Dibenzo(a,h)anthracene

Concen: 2.061 ng

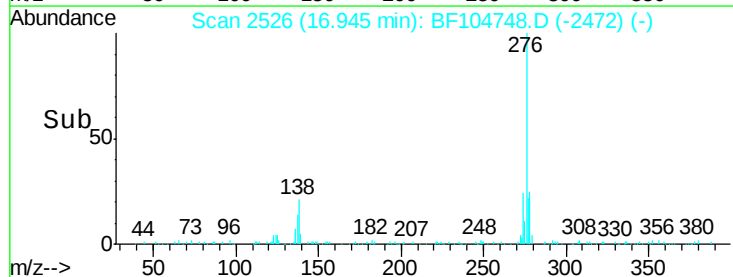
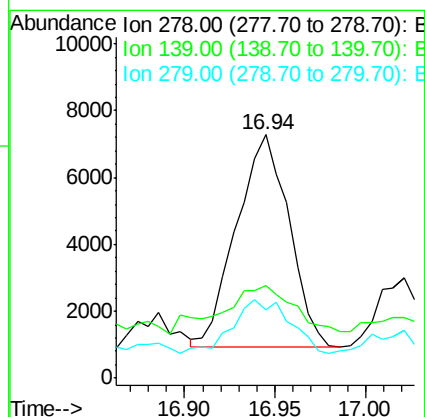
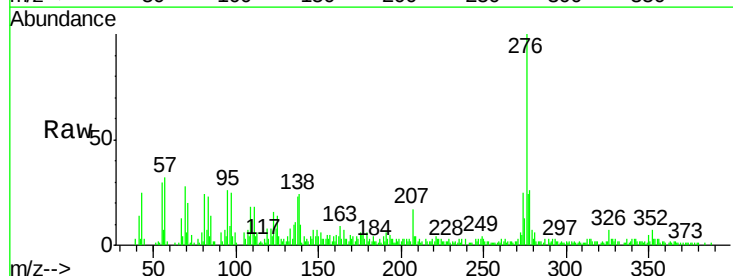
RT: 16.94 min Scan# 2526

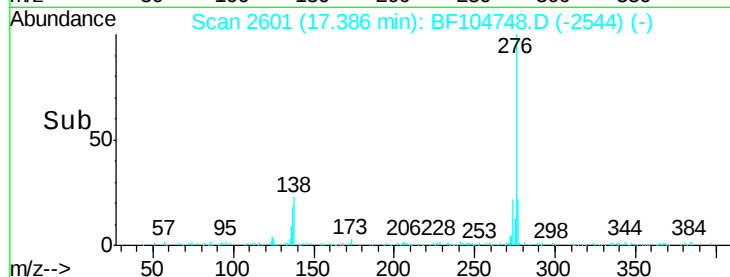
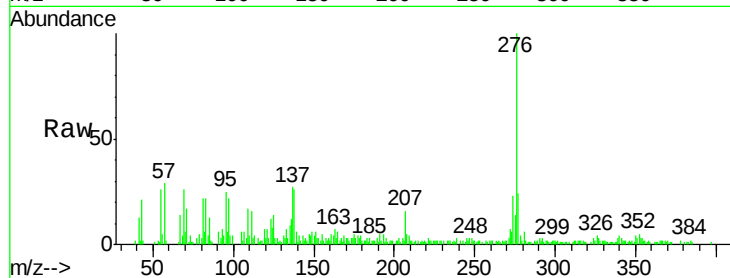
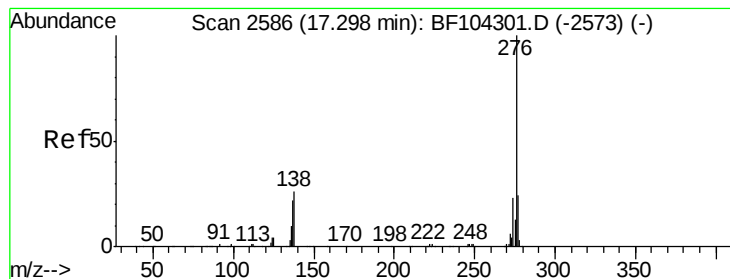
Delta R.T. 0.02 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

Tgt Ion:278 Resp: 12678
 Ion Ratio Lower Upper
 278 100
 139 38.1 15.9 23.9#
 279 27.9 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 10.590 ng

RT: 17.39 min Scan# 2601

Delta R.T. 0.04 min

Lab File: BF104748.D

Acq: 24 Apr 2018 10:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 63115

Ion Ratio Lower Upper

276 100

277 24.0 17.9 26.9

138 26.4 21.8 32.8

