

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104451.D
 Acq On : 12 Apr 2018 15:21
 Operator : JU/SJ
 Sample : J2162-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 17:09:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	140644	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	556258	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	232474	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	348529	20.00	ng	0.00
75) Chrysene-d12	13.99	240	263765	20.00	ng	0.00
86) Perylene-d12	15.46	264	214942	20.00	ng	0.00

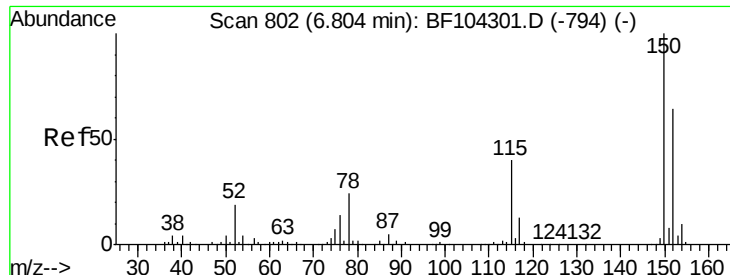
System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	913619	99.33	ng	0.01
7) Phenol-d6	6.45	99	1089626	96.41	ng	0.00
23) Nitrobenzene-d5	7.37	82	689049	80.89	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	223727	92.77	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1006714	68.41	ng	0.00
78) Terphenyl-d14	12.93	244	716180	61.90	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	90793	12.294	ng	# 75
25) Isophorone	7.37	82	689157	38.257	ng	# 64
48) Acenaphthylene	9.71	152	82581	3.412	ng	99
49) Dimethylphthalate	9.56	163	95922	5.232	ng	99
64) 4,6-Dinitro-2-methylphenol	10.64	198	487	7.590	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	13281	3.582	ng	# 1
70) Phenanthrene	11.36	178	407989	21.020	ng	99
71) Anthracene	11.41	178	79511	4.030	ng	98
74) Fluoranthene	12.56	202	602816	29.726	ng	97
76) Benzidine	12.65	184	783	Below Cal		# 1
77) Pyrene	12.79	202	670293	34.284	ng	100
80) Benzo(a)anthracene	14.01	228	342876	21.759	ng	96
82) Chrysene	14.01	228	342876	21.184	ng	98
83) Bis(2-ethylhexyl)phthalate	13.96	149	30931	2.611	ng	99
87) Benzo(b)fluoranthene	15.03	252	408668	30.104	ng	# 95
88) Benzo(k)fluoranthene	15.03	252	408668	31.886	ng	98
89) Benzo(a)pyrene	15.39	252	219089	18.037	ng	97
90) Dibenzo(a,h)anthracene	16.92	278	32172	3.225	ng	# 89
91) Benzo(a,h,i)perylene	17.34	276	117689	12.177	ng	96

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

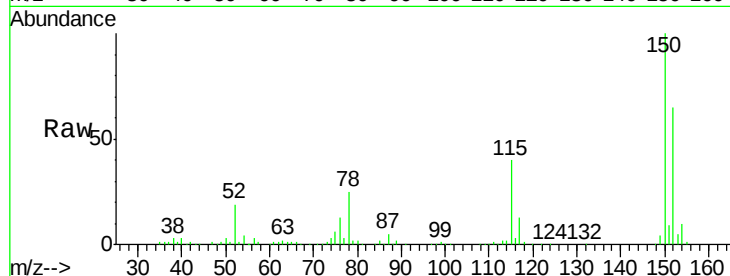


#1

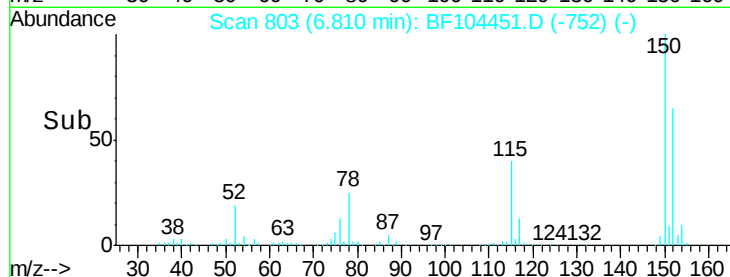
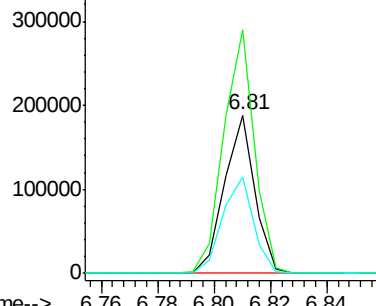
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	61.3	50.1	75.1



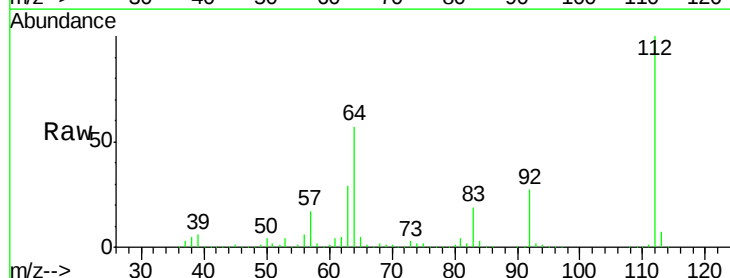
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



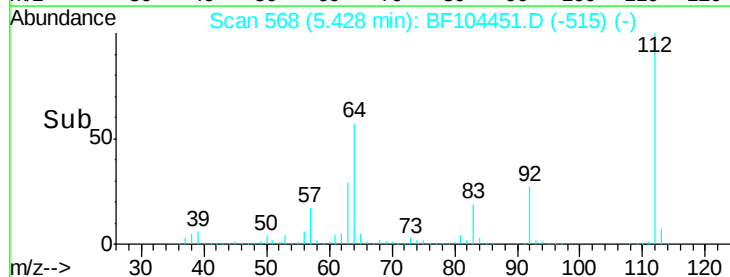
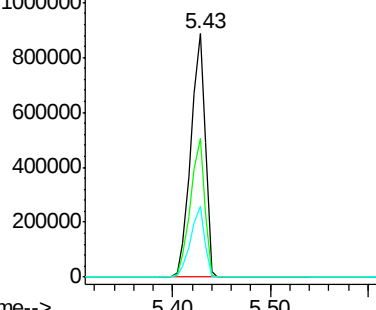
#5

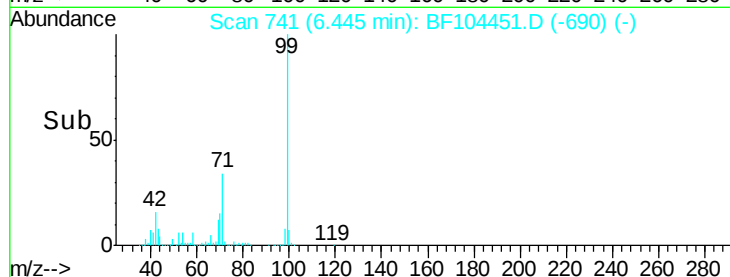
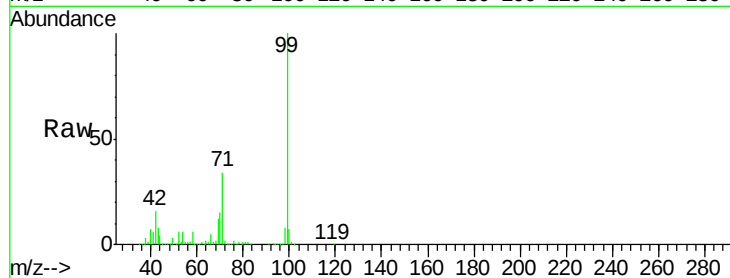
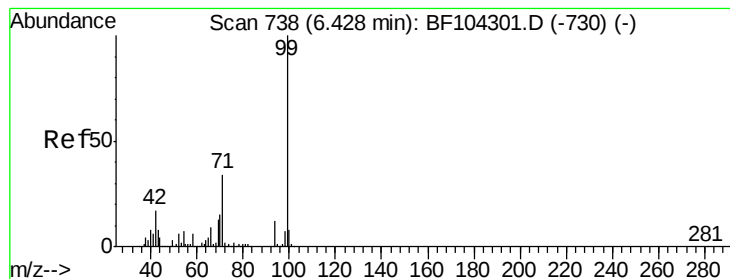
2-Fluorophenol
Concen: 99.327 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	29.0	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: 96.415 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Instrument :

BNA_F

ClientSampleId :

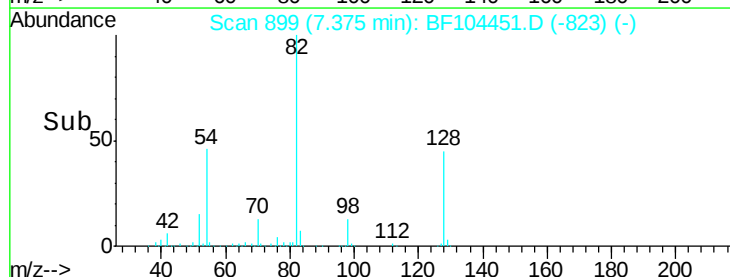
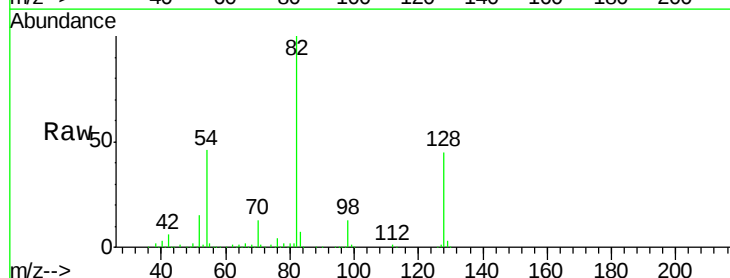
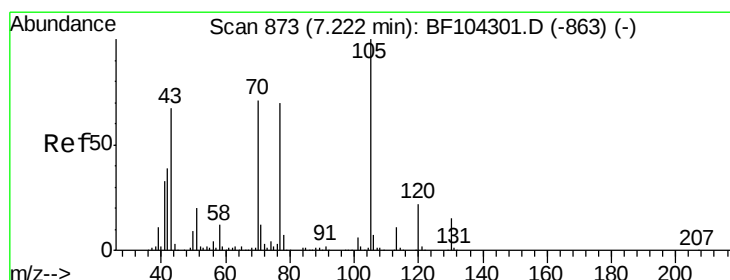
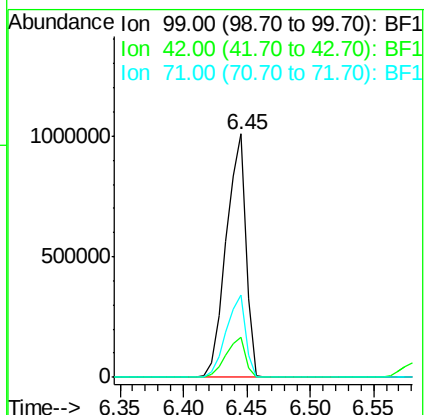
Tot Ion: 99 Resp: 1089626

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

71 34.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.294 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Tgt Ion: 70 Resp: 90793

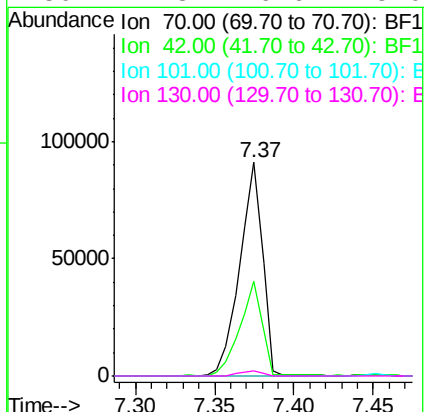
Ion Ratio Lower Upper

70 100

42 44.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

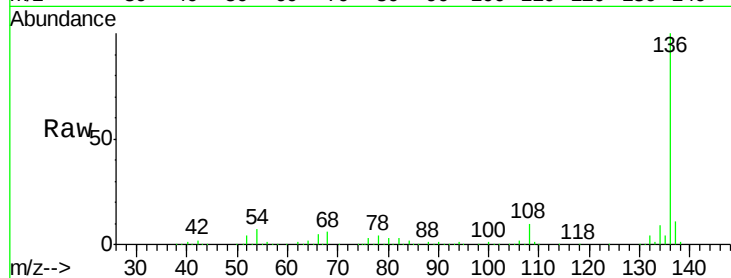




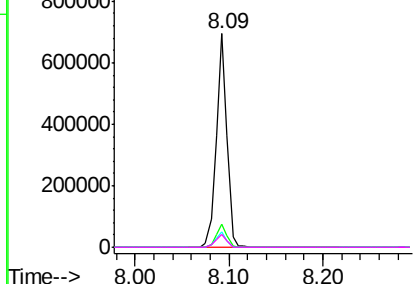
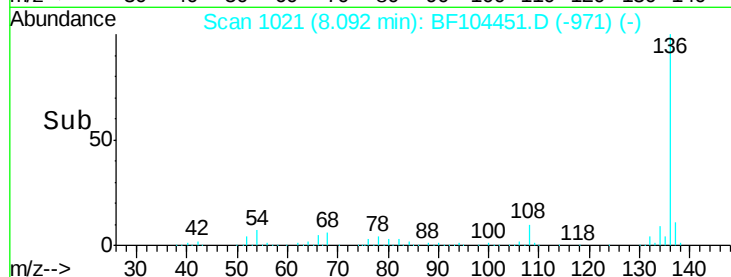
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	556258
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	7.2	6.6 9.8
68	6.1	5.0 7.4

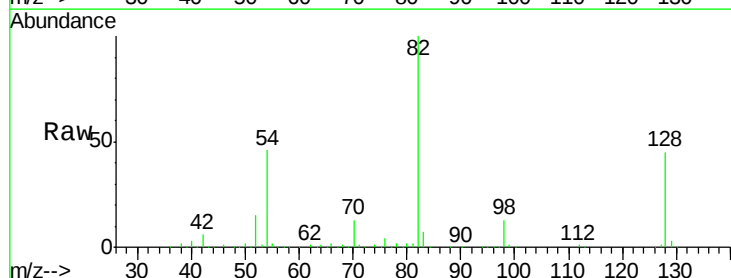


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

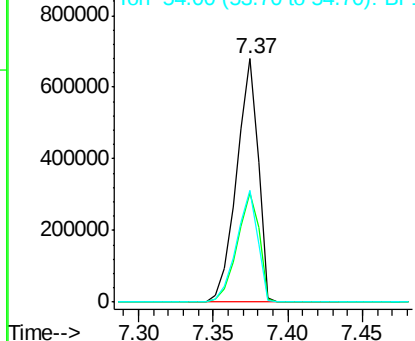
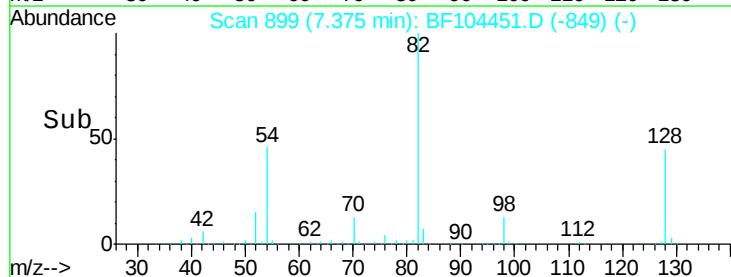


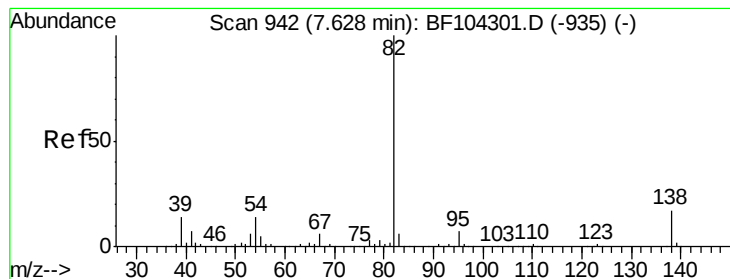
#23
Nitrobenzene-d5
Concen: 80.886 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Tgt Ion: 82	Resp:	689049
Ion Ratio	Lower	Upper
82	100	
128	45.1	36.1 54.1
54	45.7	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: 38.257 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Instrument :

BNA_F

ClientSampleId :

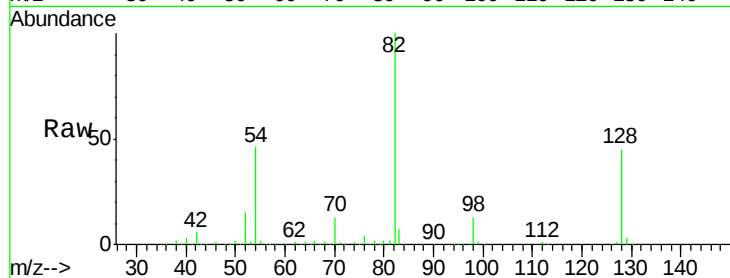
Tot Ion: 82 Resp: 689157

Ion Ratio Lower Upper

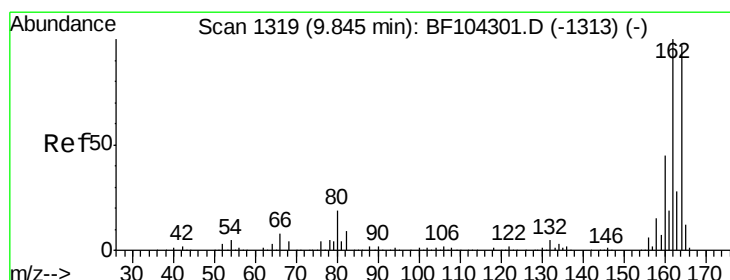
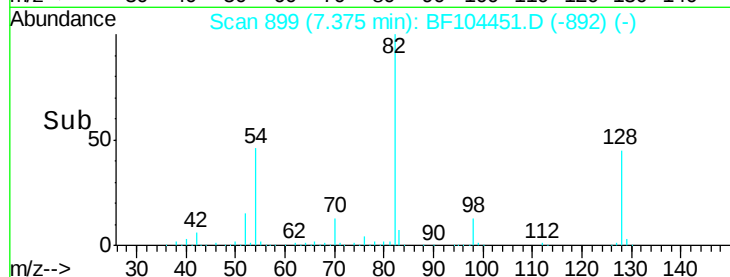
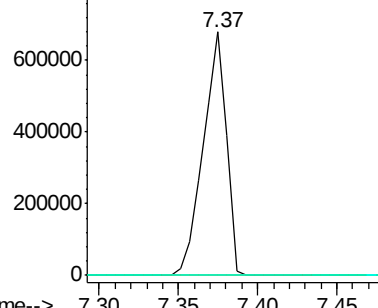
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

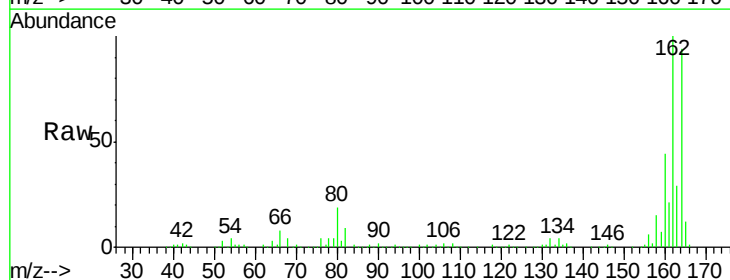
Tgt Ion: 164 Resp: 232474

Ion Ratio Lower Upper

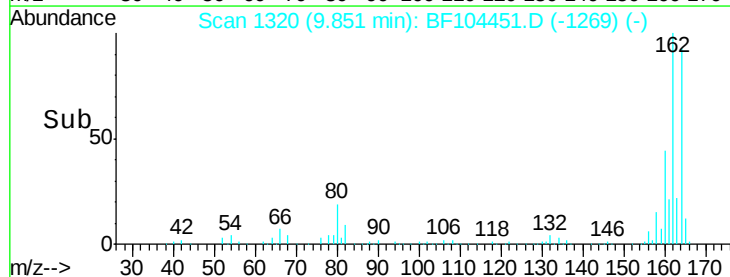
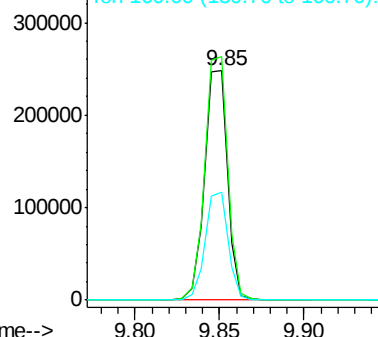
164 100

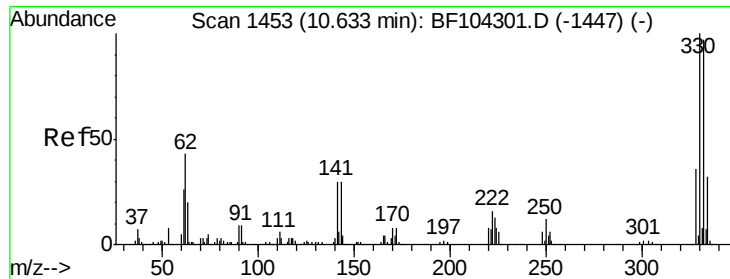
162 106.2 86.1 129.1

160 47.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

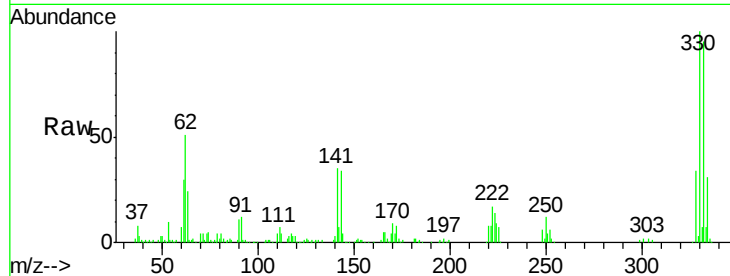




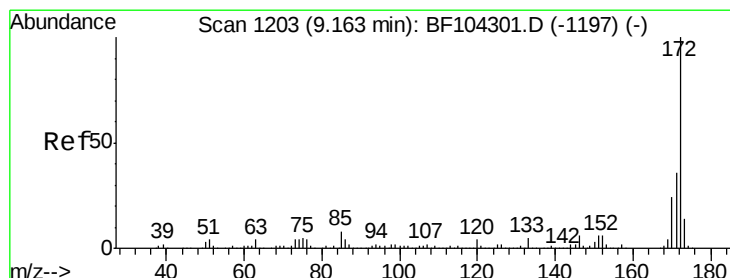
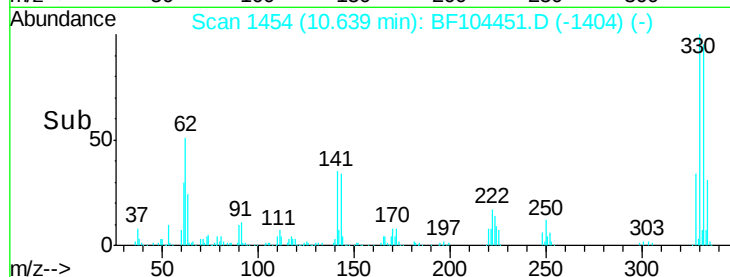
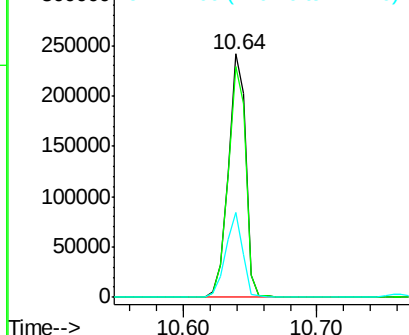
#41
 2,4,6-Tribromophenol
 Concen: 92.774 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104451.D
 Acq: 12 Apr 2018 15:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 223727
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 33.1 29.9 44.9

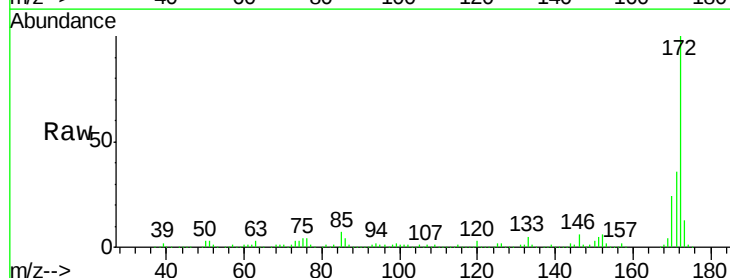


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

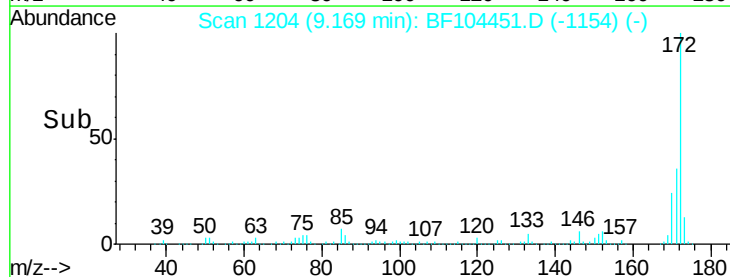
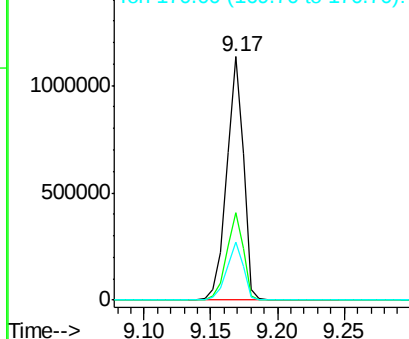


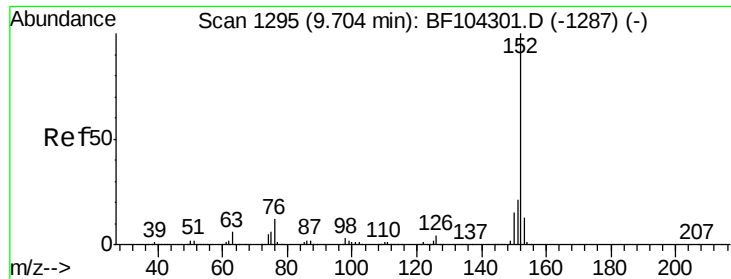
#44
 2-Fluorobiphenyl
 Concen: 68.410 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104451.D
 Acq: 12 Apr 2018 15:21

Tgt Ion:172 Resp: 1006714
 Ion Ratio Lower Upper
 172 100
 171 36.0 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

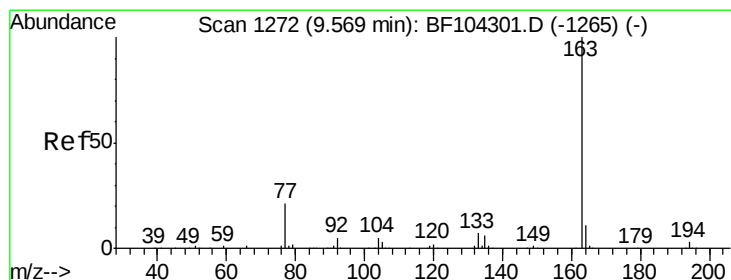
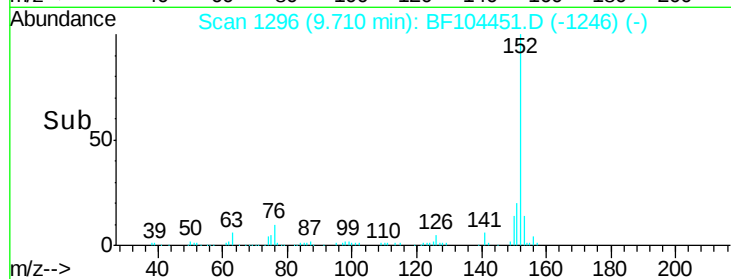
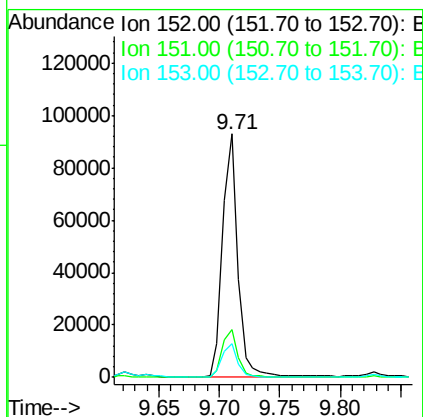
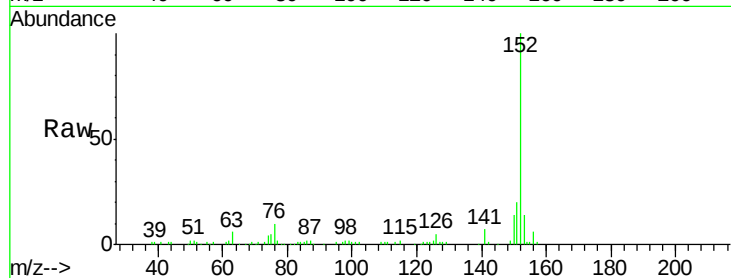




#48
Acenaphthylene
Concen: 3.412 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

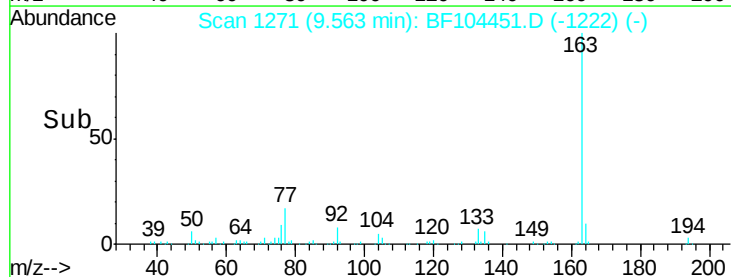
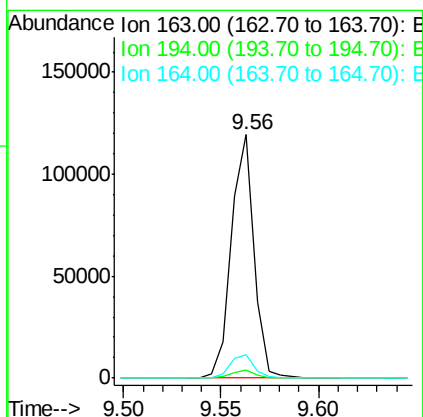
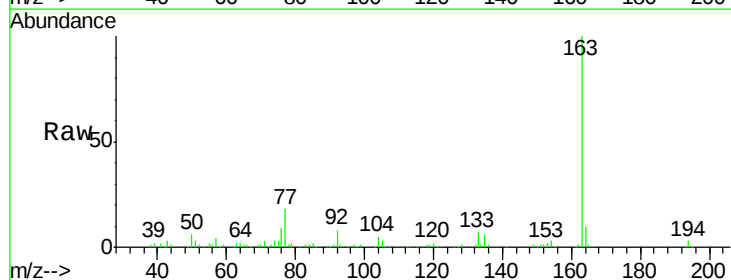
Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 82581
Ion Ratio Lower Upper
152 100
151 19.7 16.3 24.5
153 13.9 10.7 16.1



#49
Dimethylphthalate
Concen: 5.232 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Tgt Ion:163 Resp: 95922
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.8 8.2 12.2

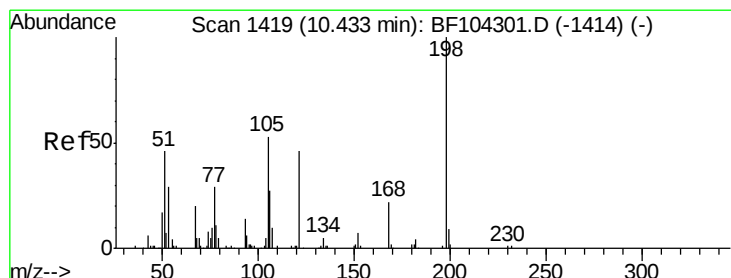
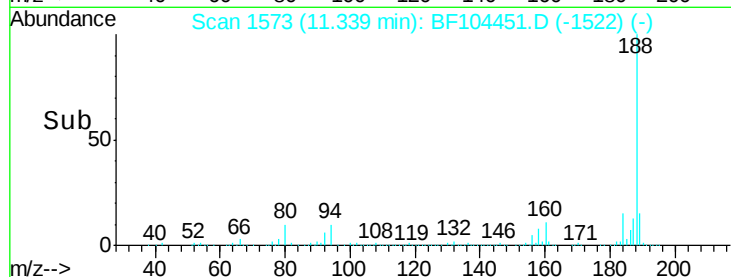
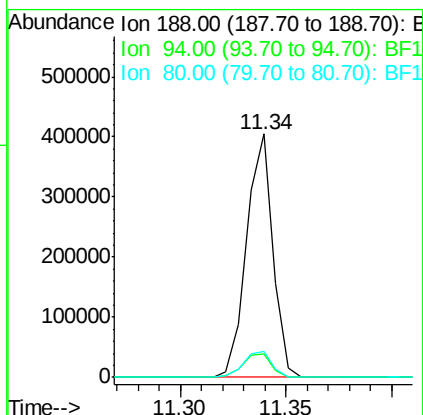
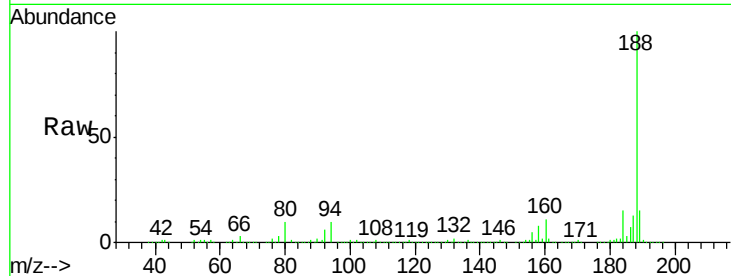




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF104451.D
 Acq: 12 Apr 2018 15:21

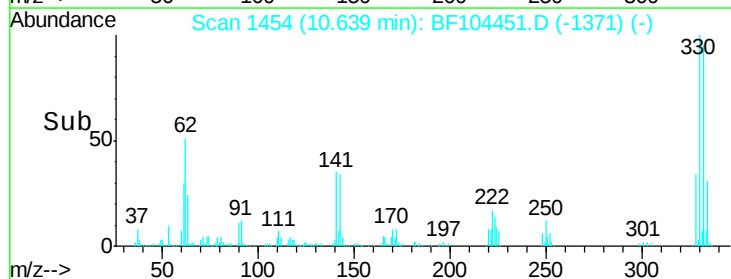
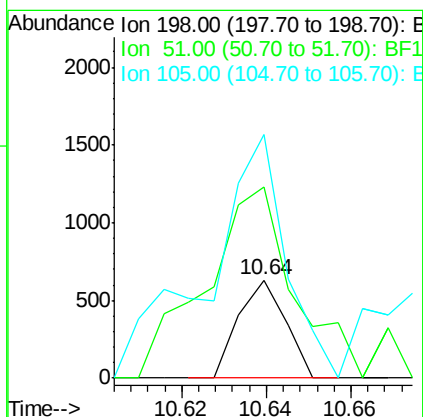
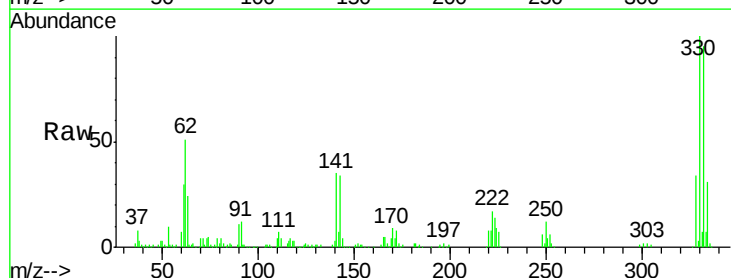
Instrument :
 BNA_F
 ClientSampled :

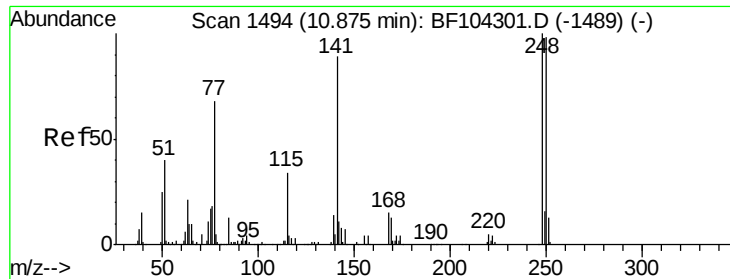
Tot Ion:188 Resp: 348529
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.5 12.7
 80 10.4 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.590 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF104451.D
 Acq: 12 Apr 2018 15:21

Tgt Ion:198 Resp: 487
 Ion Ratio Lower Upper
 198 100
 51 195.7 37.7 77.7#
 105 248.7 36.3 76.3#

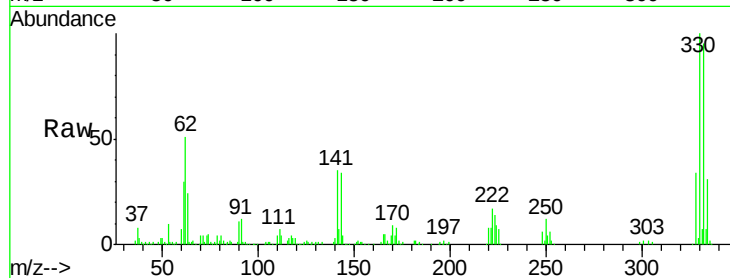




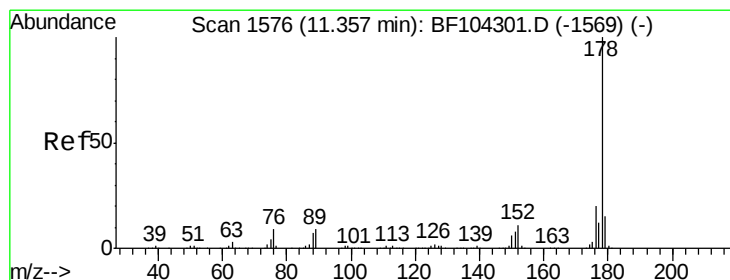
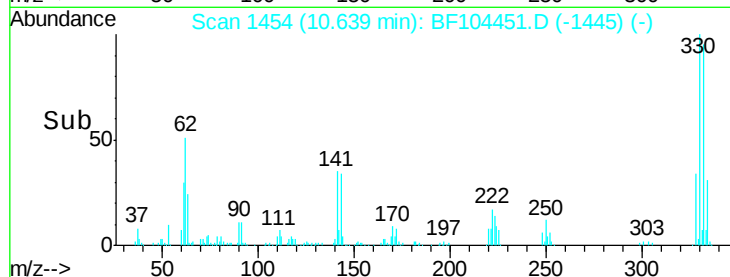
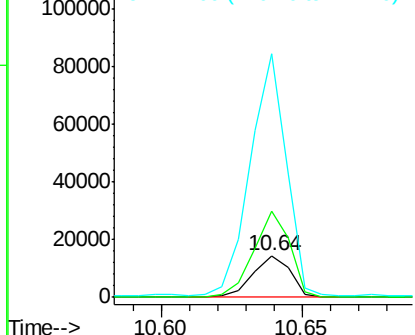
#66
 4-Bromophenyl-phenylether
 Concen: 3.582 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF104451.D
 Acq: 12 Apr 2018 15:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13281
 Ion Ratio Lower Upper
 248 100
 250 206.9 76.9 115.3#
 141 588.1 74.4 111.6#

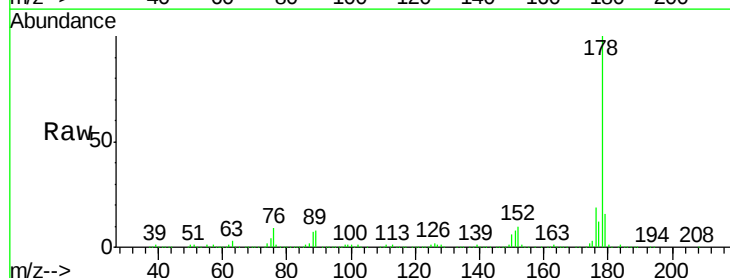


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

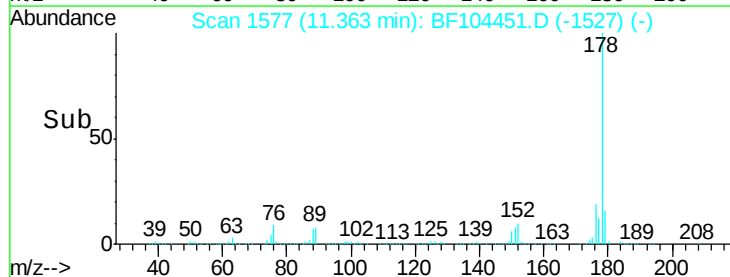
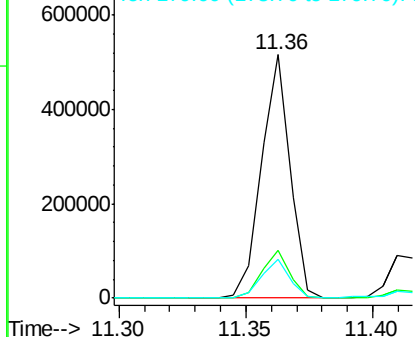


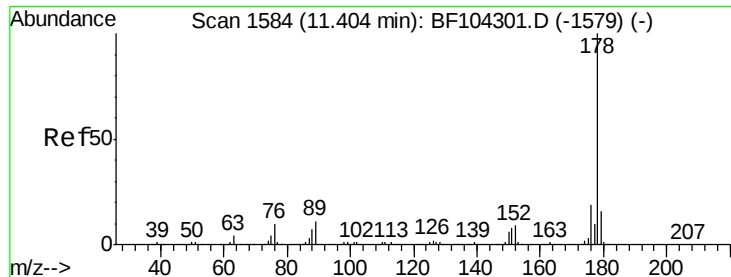
#70
 Phenanthrene
 Concen: 21.020 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF104451.D
 Acq: 12 Apr 2018 15:21

Tgt Ion:178 Resp: 407989
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.7 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: 4.030 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Instrument :

BNA_F

ClientSampleId :

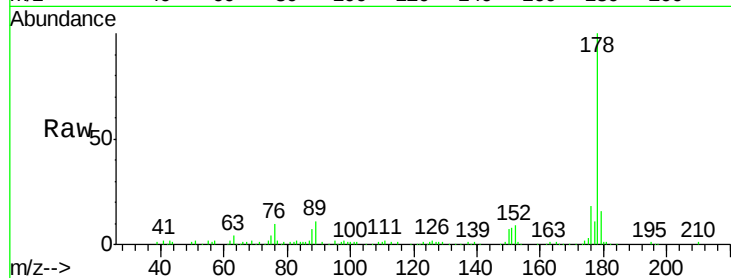
Tot Ion:178 Resp: 79511

Ion Ratio Lower Upper

178 100

176 17.6 15.4 23.2

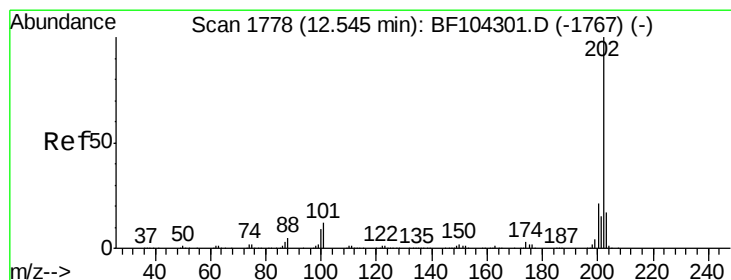
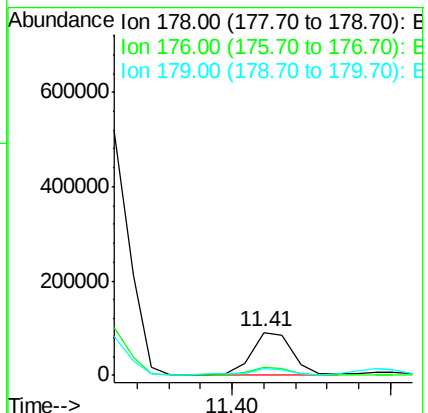
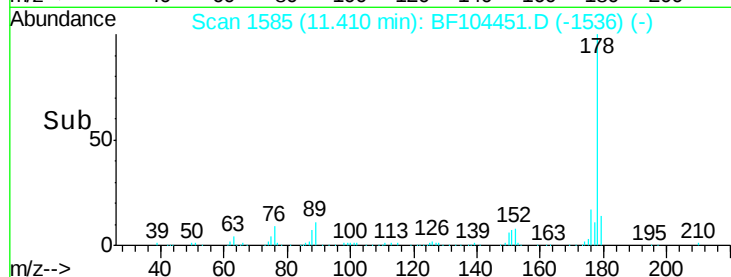
179 15.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 29.726 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

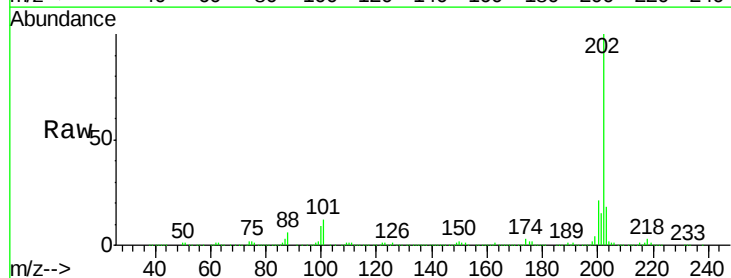
Tgt Ion:202 Resp: 602816

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

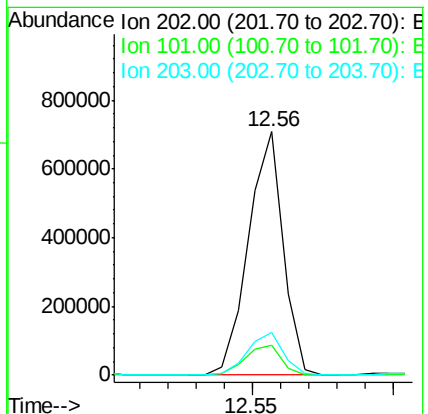
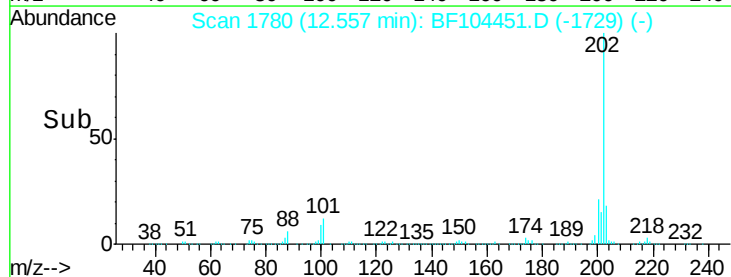
203 17.6 0.0 38.1

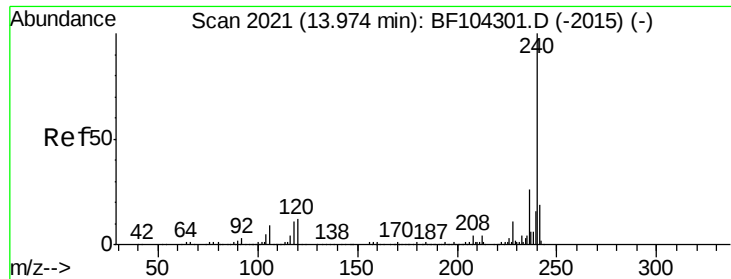


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.01 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Instrument :

BNA_F

ClientSampleId :

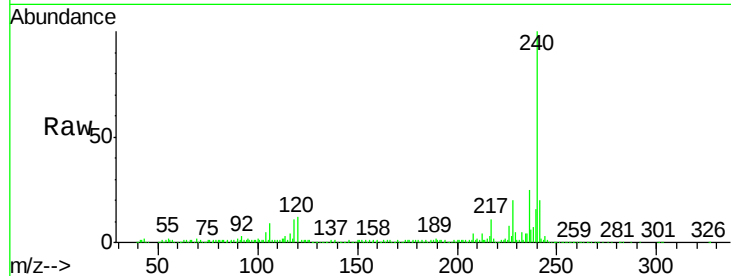
Tot Ion:240 Resp: 263765

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

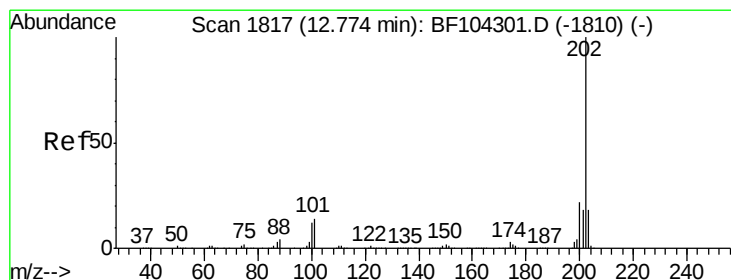
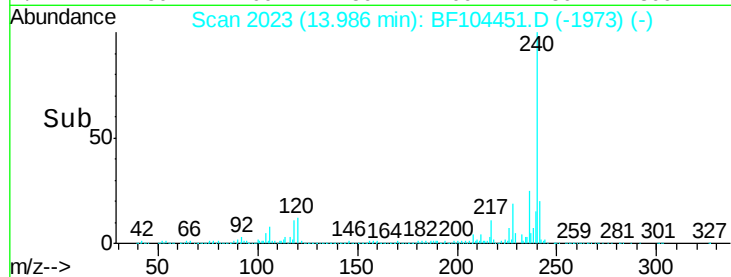
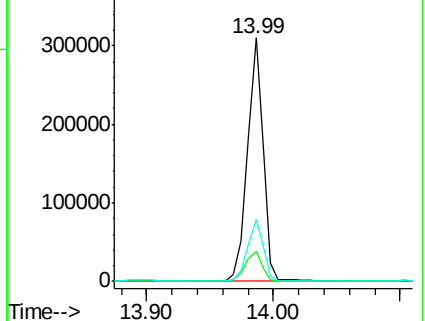
236 25.2 20.7 31.1



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: 34.284 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

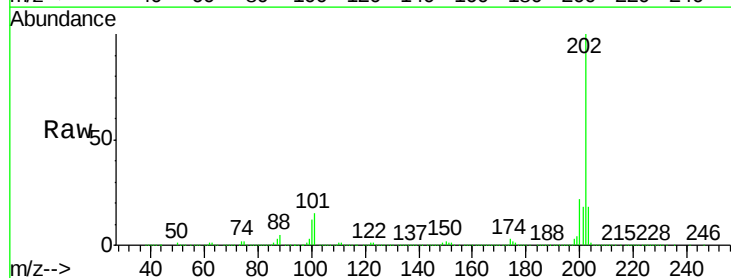
Tgt Ion:202 Resp: 670293

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

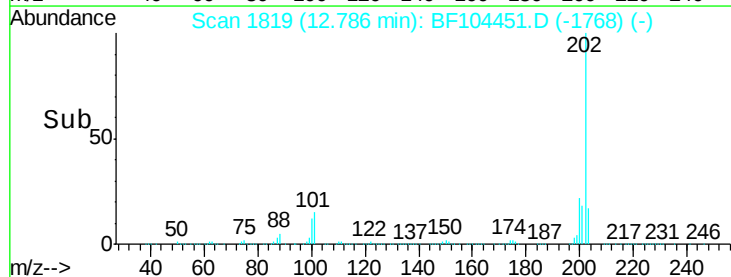
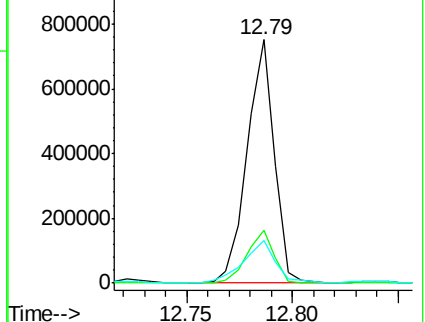
203 17.8 14.3 21.5

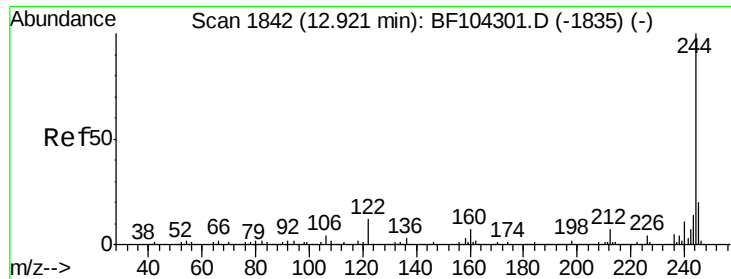


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

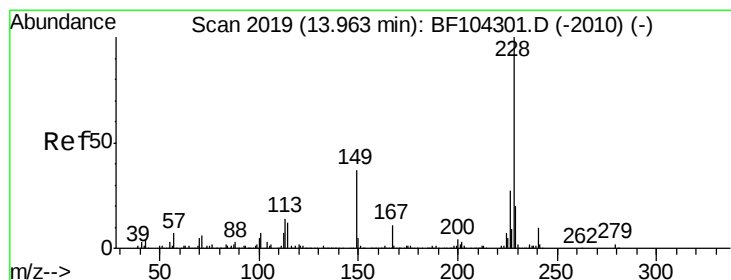
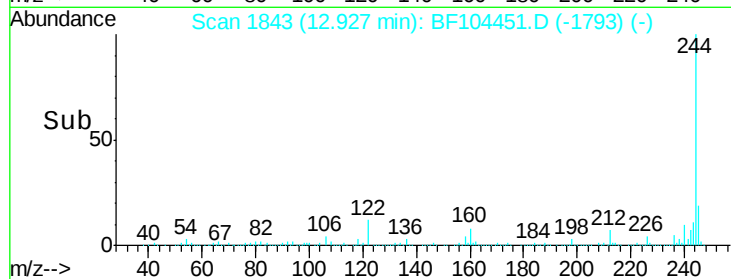
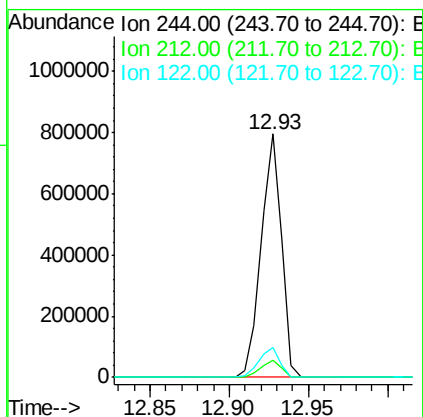
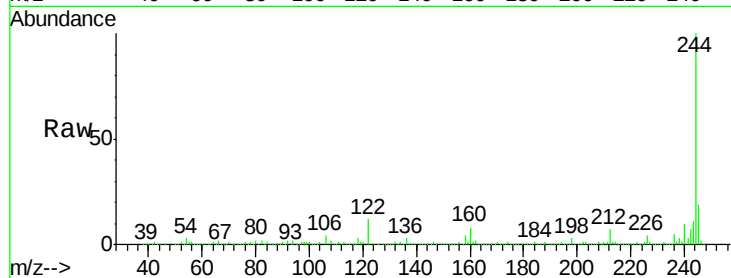




#78
 Terphenyl-d14
 Concen: 61.902 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF104451.D
 Acq: 12 Apr 2018 15:21

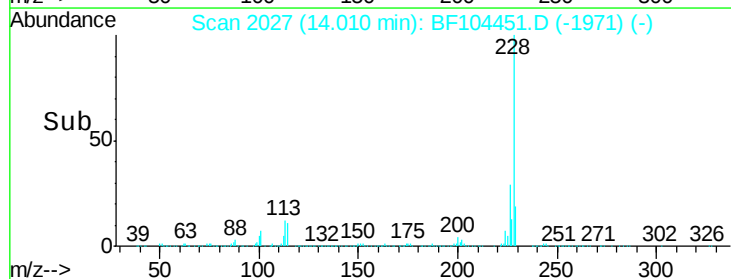
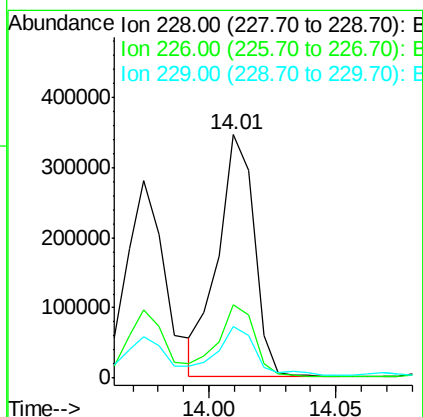
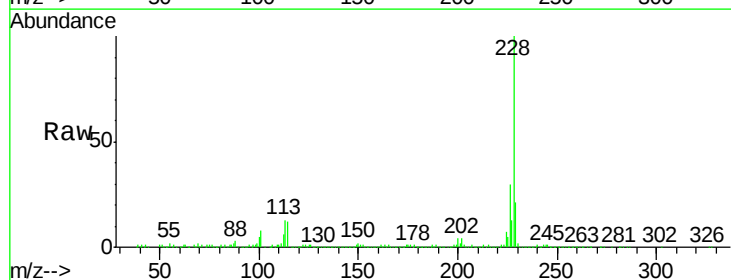
Instrument :
 BNA_F
 ClientSampled :

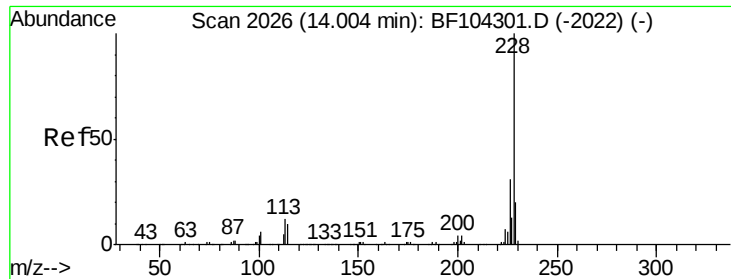
Tot Ion:244 Resp: 716180
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 21.759 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.03 min
 Lab File: BF104451.D
 Acq: 12 Apr 2018 15:21

Tgt Ion:228 Resp: 342876
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.6 33.8
 229 21.4 15.8 23.6





#82

Chrysene

Concen: 21.184 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

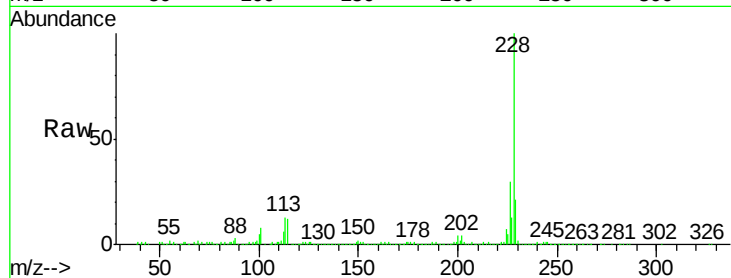
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 342876

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.4	16.2	24.4

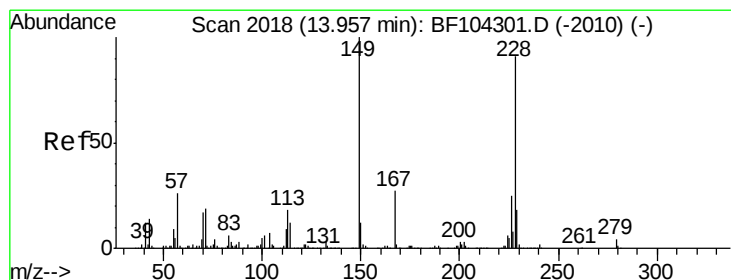
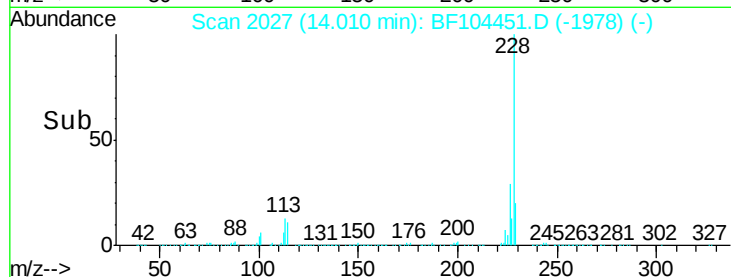
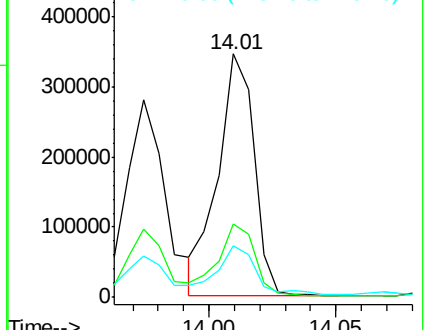


Abundance

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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.611 ng

RT: 13.96 min Scan# 2019

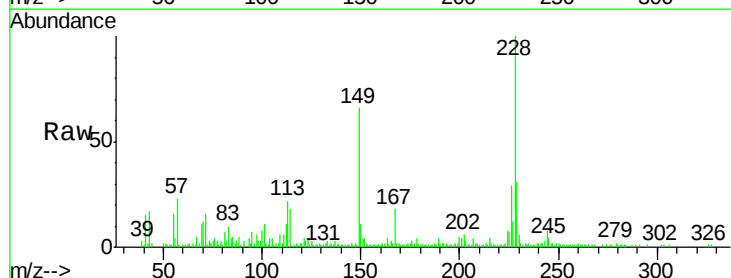
Delta R.T. 0.00 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Tgt Ion:149 Resp: 30931

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.3	31.9
279	3.8	3.0	4.4

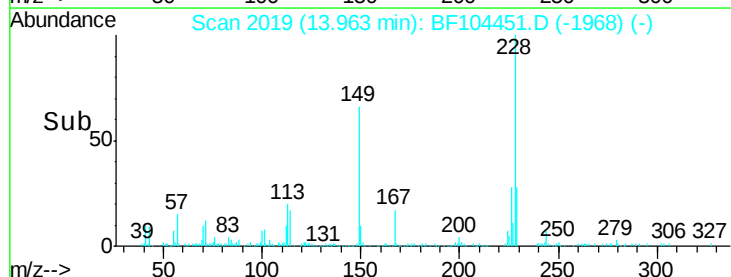
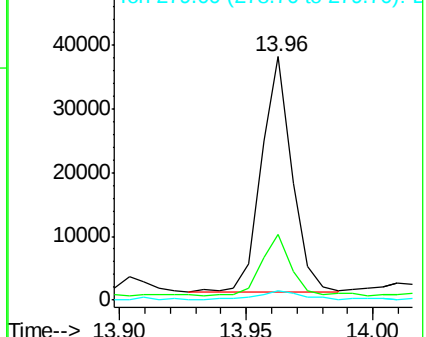


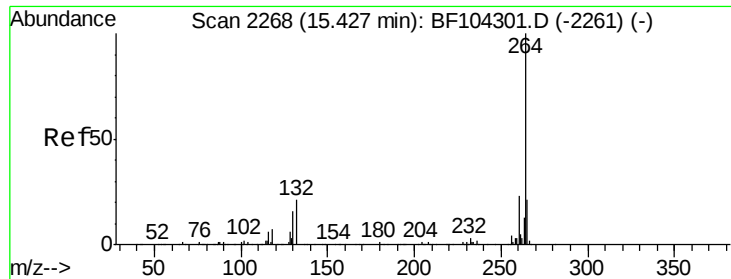
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

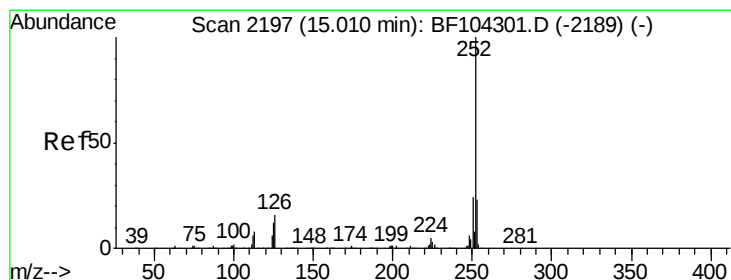
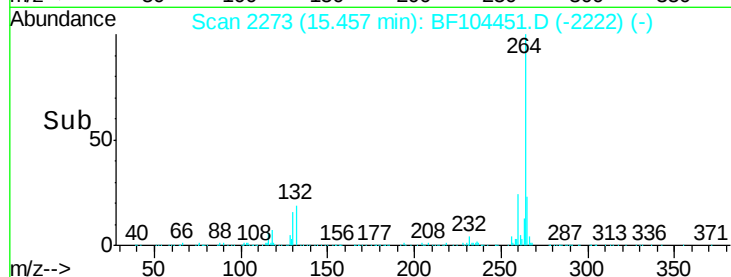
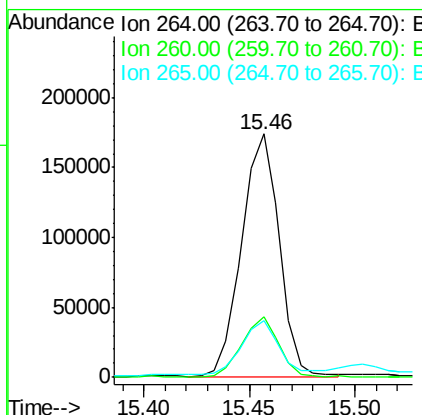
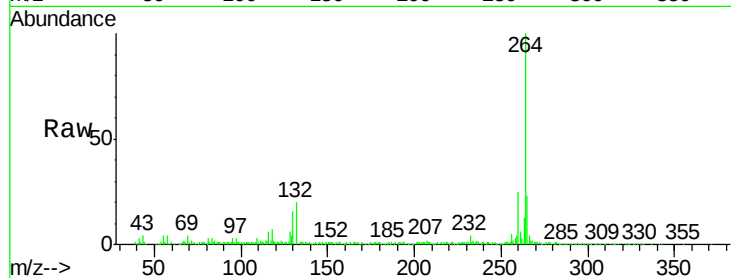




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

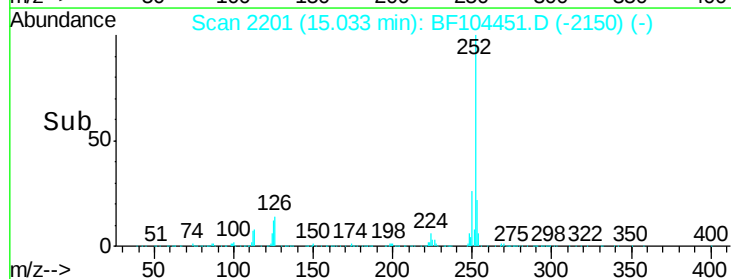
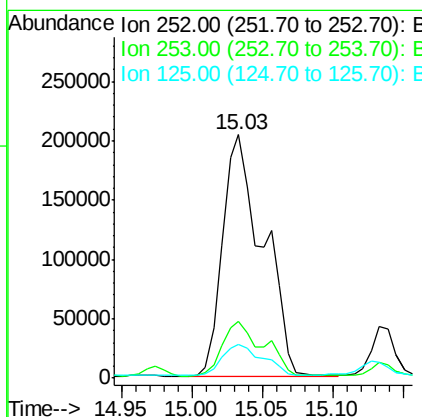
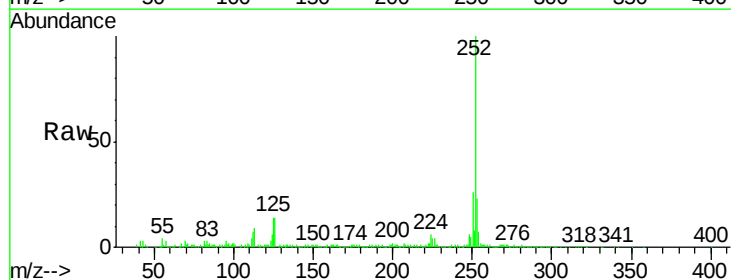
Instrument :
BNA_F
ClientSampleId :

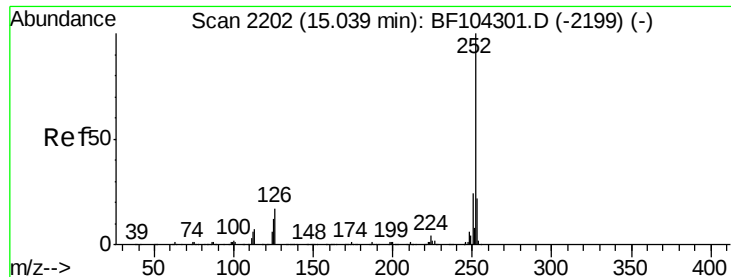
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	23.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 30.104 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	13.6	9.0	13.6#

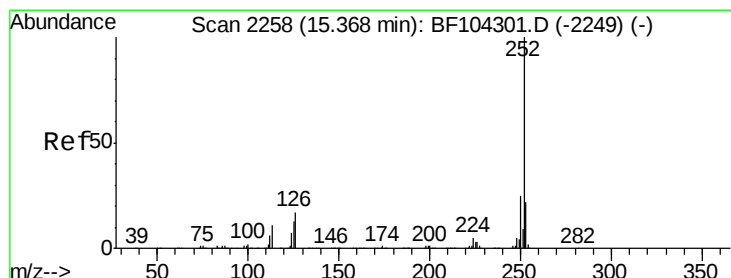
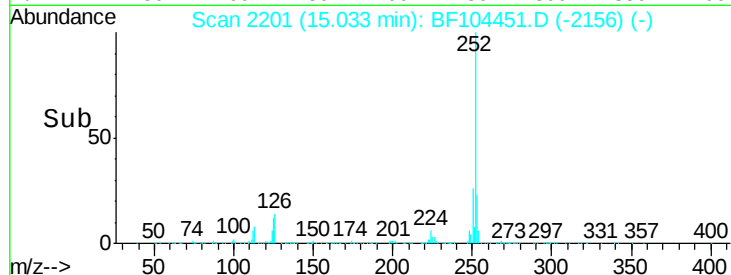
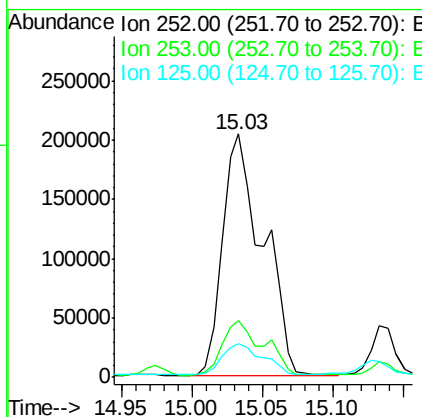
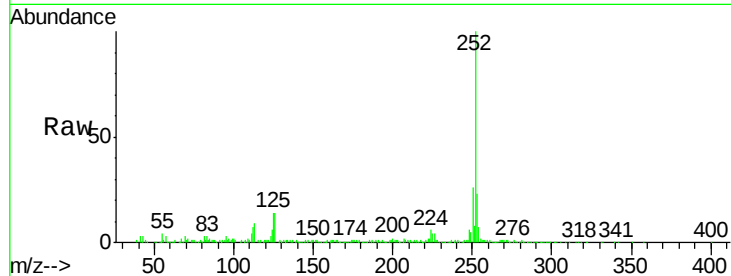




#88
Benzo(k)fluoranthene
Concen: 31.886 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

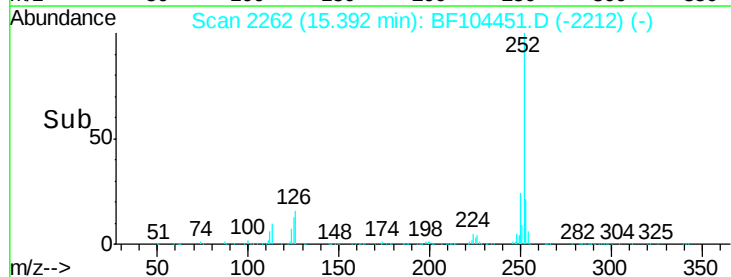
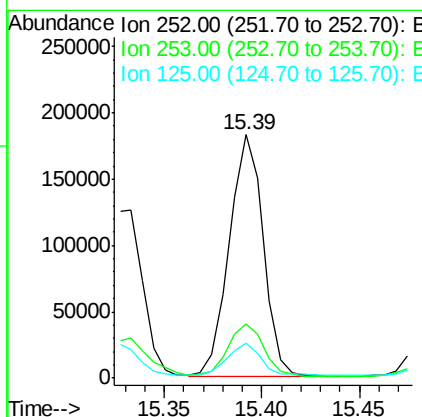
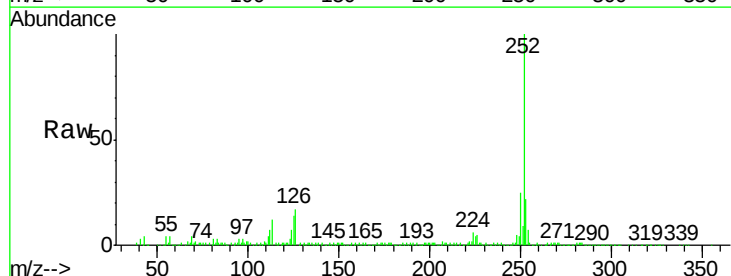
Instrument :
BNA_F
ClientSampleId :

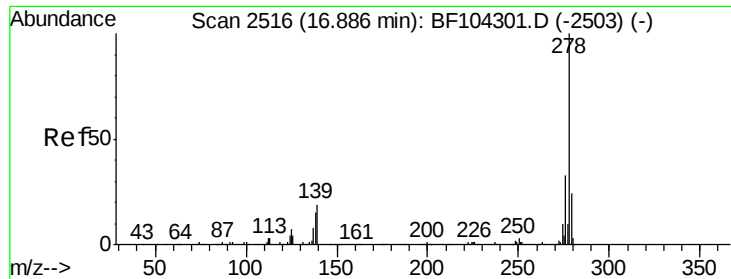
Tot Ion:252 Resp: 408668
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 13.6 10.2 15.2



#89
Benzo(a)pyrene
Concen: 18.037 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Tgt Ion:252 Resp: 219089
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 14.4 9.8 14.6

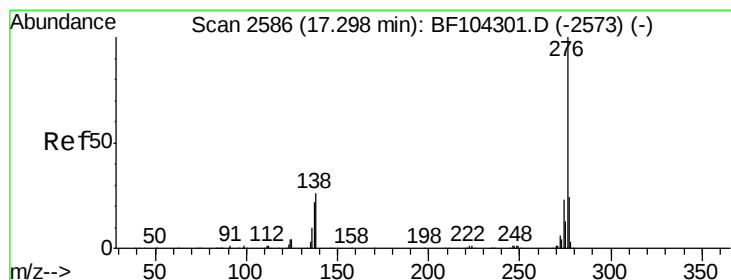
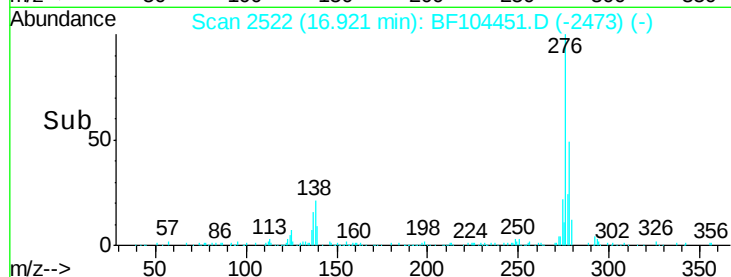
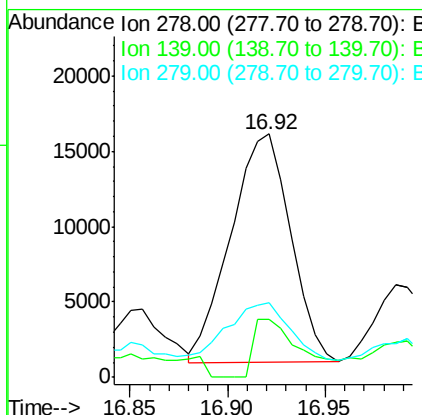
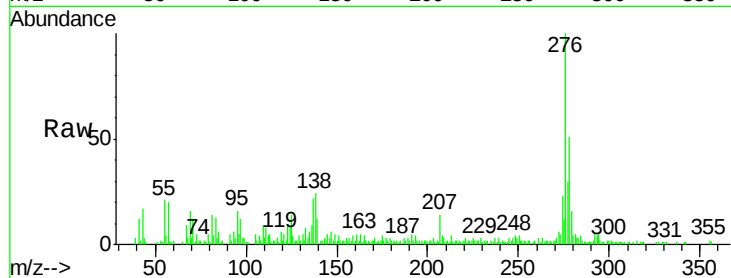




#90
Dibenzo(a,h)anthracene
Concen: 3.225 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 32172
Ion Ratio Lower Upper
278 100
139 23.7 15.9 23.9
279 30.4 19.0 28.4#



#91
Benzo(g,h,i)perylene
Concen: 12.177 ng
RT: 17.34 min Scan# 2594
Delta R.T. -0.02 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Tgt Ion:276 Resp: 117689
Ion Ratio Lower Upper
276 100
277 25.4 17.9 26.9
138 26.3 21.8 32.8

