

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104158.D
 Acq On : 3 Apr 2018 3:57
 Operator : JU/SJ
 Sample : J2121-06 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 05:53:38 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	85516	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	356649	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	137731	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	210505	20.00	ng	0.00
75) Chrysene-d12	14.15	240	214621	20.00	ng	0.00
86) Perylene-d12	15.70	264	169295	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	211453	39.43	ng	0.00
7) Phenol-d6	6.60	99	293265	44.45	ng	0.00
23) Nitrobenzene-d5	7.53	82	172031	29.50	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	56756	37.01	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	325691	37.29	ng	0.00
78) Terphenyl-d14	13.07	244	241821	26.02	ng	0.00

Target Compounds

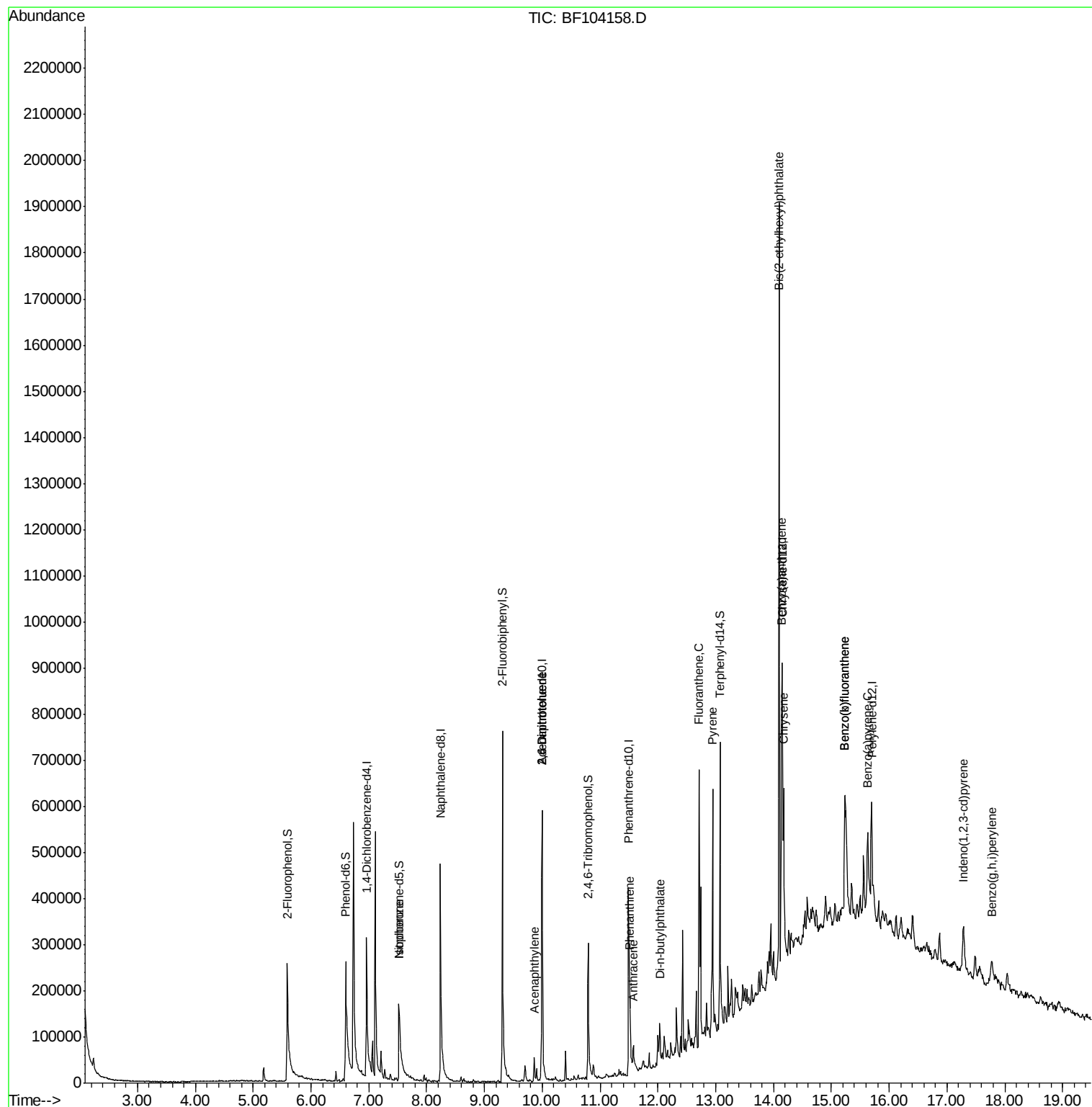
						Qvalue
25) Isophorone	7.53	82	172031	16.007	ng	# 64
48) Acenaphthylene	9.86	152	34894	2.470	ng	99
50) 2,6-Dinitrotoluene	10.00	165	17826	7.620	ng	# 25
56) 2,4-Dinitrotoluene	10.00	165	17934	6.007	ng	# 23
70) Phenanthrene	11.52	178	60313	5.292	ng	99
71) Anthracene	11.57	178	41488	3.485	ng	97
73) Di-n-butylphthalate	12.03	149	28799	2.128	ng	98
74) Fluoranthene	12.71	202	306170	25.273	ng	99
77) Pyrene	12.94	202	262145	16.991	ng	99
80) Benzo(a)anthracene	14.14	228	201404	14.997	ng	98
82) Chrysene	14.17	228	163824	12.455	ng	97
83) Bis(2-ethylhexyl)phthalate	14.10	149	481691	51.290	ng	99
85) Indeno(1,2,3-cd)pyrene	17.29	276	64163	4.707	ng	# 86
87) Benzo(b)fluoranthene	15.23	252	262153	25.444	ng	# 94
88) Benzo(k)fluoranthene	15.23	252	262153	27.010	ng	97
89) Benzo(a)pyrene	15.63	252	124477	13.037	ng	# 90
91) Benzo(a,h,i)perylene	17.77	276	55654	6.294	ng	# 95

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

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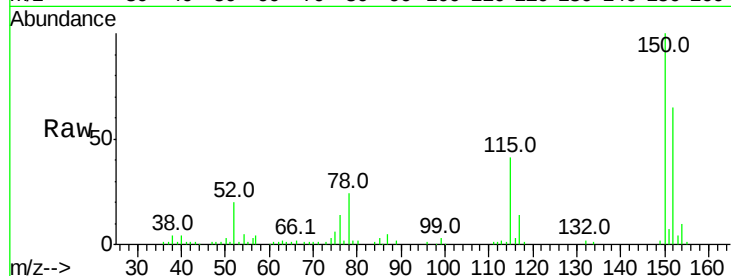


#1

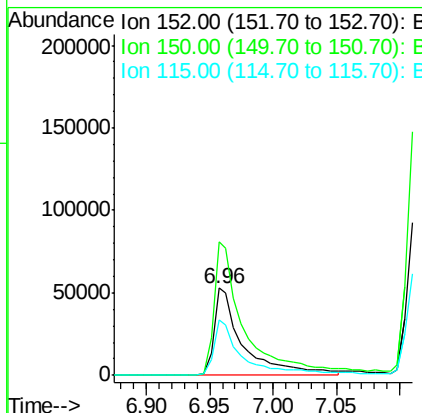
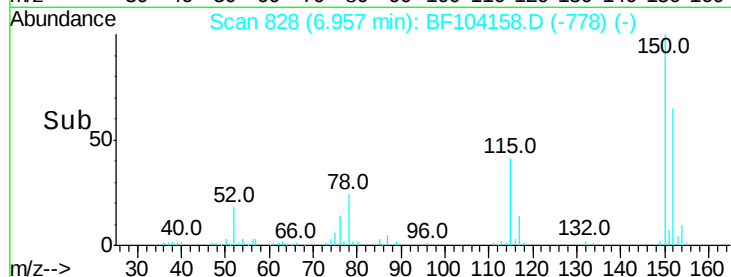
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85516
Ion Ratio Lower Upper
152 100
150 153.0 124.6 186.8
115 63.1 50.1 75.1



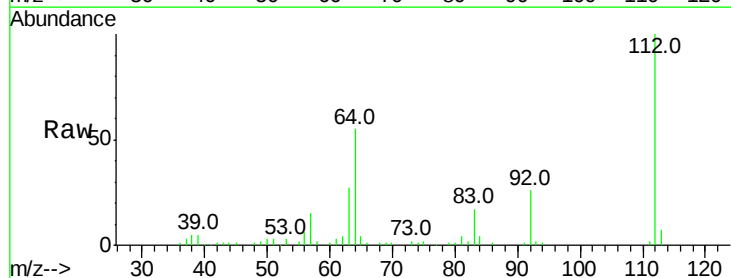
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



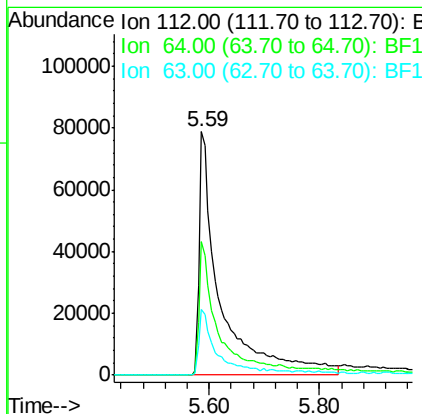
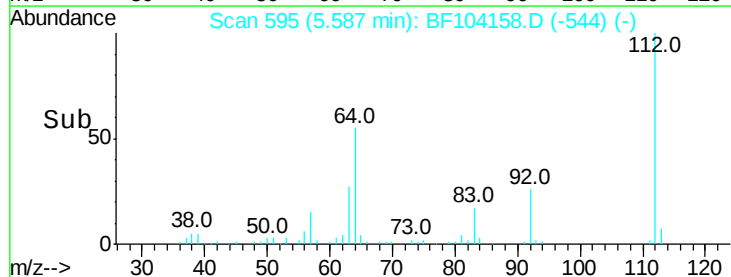
#5

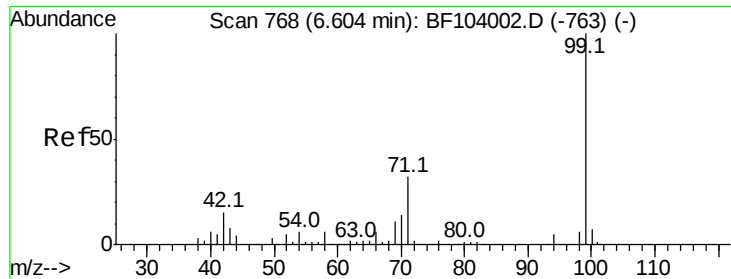
2-Fluorophenol
Concen: 39.433 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.00 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

Tgt Ion:112 Resp: 211453
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 27.1 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: 44.452 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104158.D

Acq: 3 Apr 2018 3:57

Instrument :

BNA_F

ClientSampled :

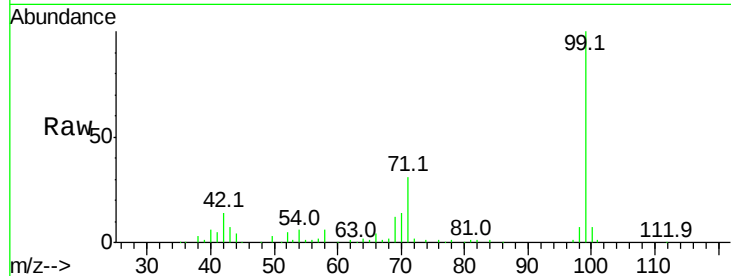
Tot Ion: 99 Resp: 293265

Ion Ratio Lower Upper

99 100

42 14.3 14.5 21.7#

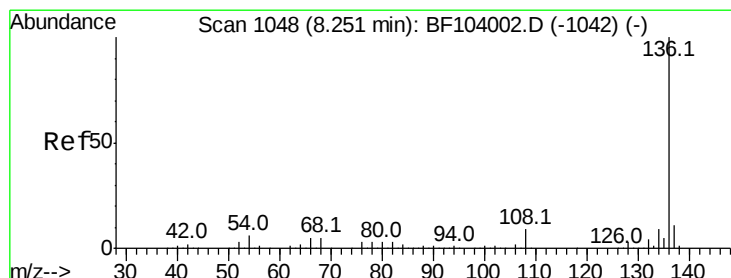
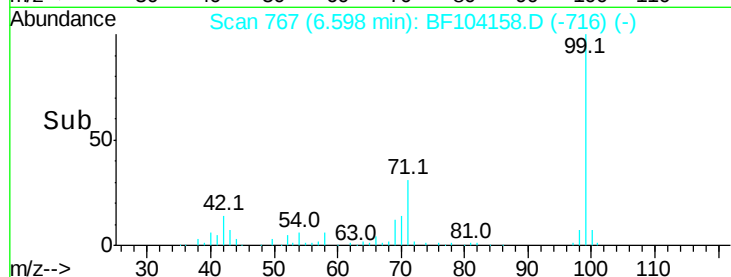
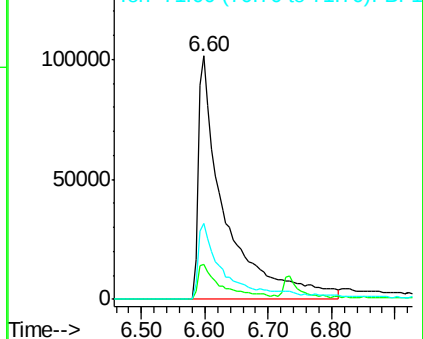
71 31.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104158.D

Acq: 3 Apr 2018 3:57

Tgt Ion: 136 Resp: 356649

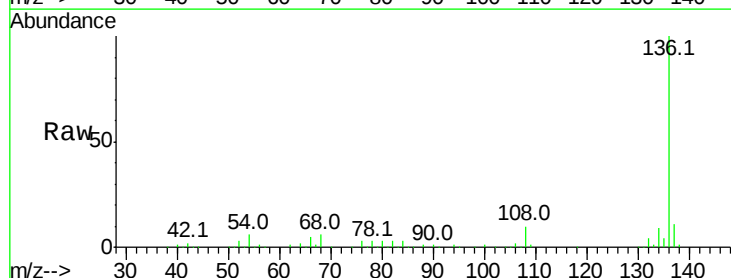
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.4 6.6 9.8#

68 5.6 5.0 7.4

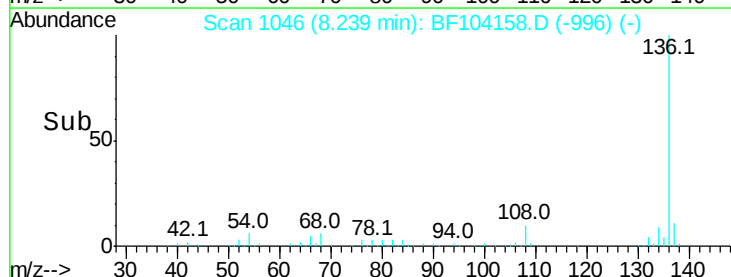
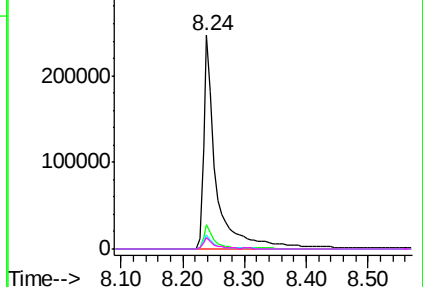


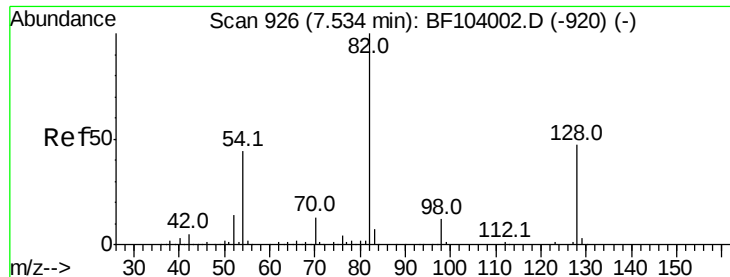
Abundance Ion 136.00 (135.70 to 136.70): E

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

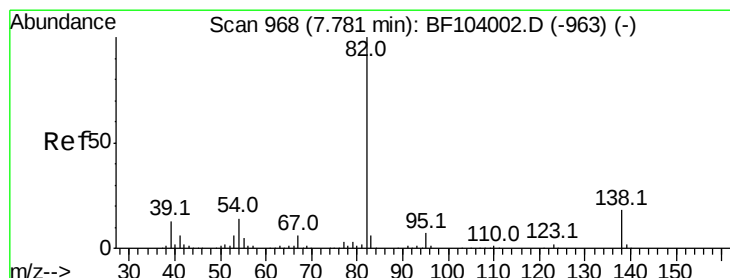
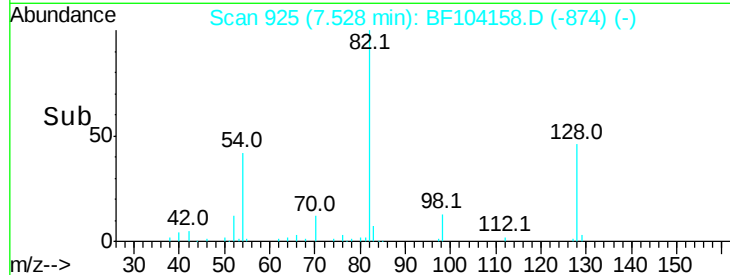
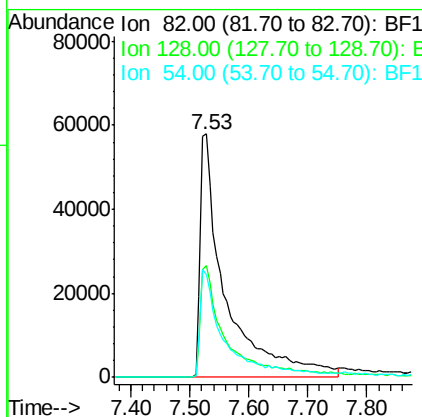
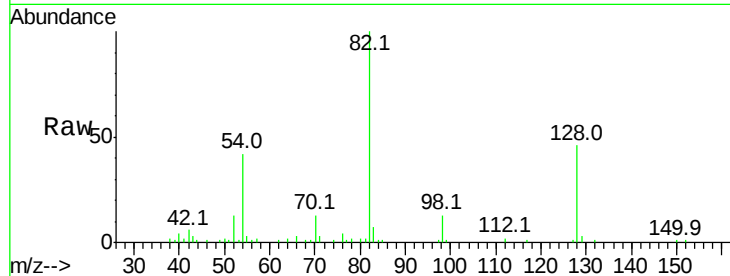




#23
 Nitrobenzene-d5
 Concen: 29.499 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF104158.D
 Acq: 3 Apr 2018 3:57

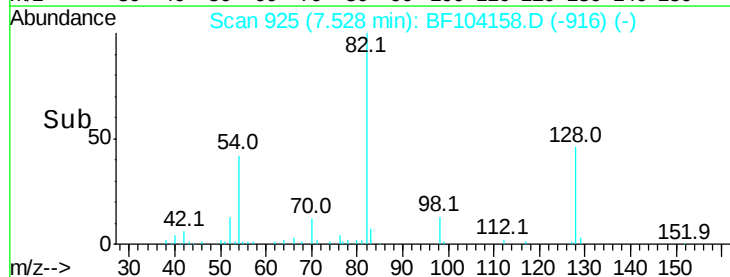
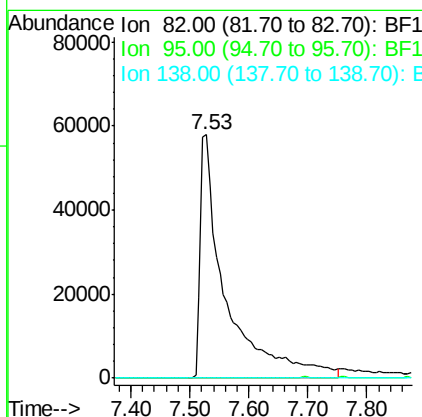
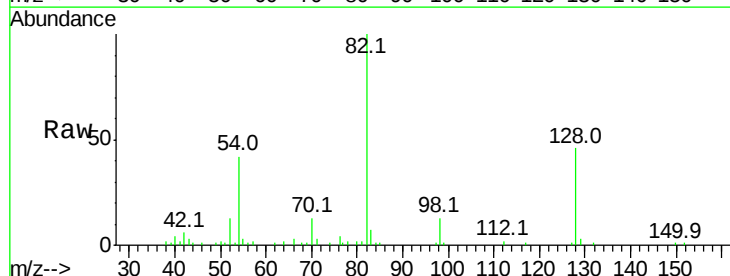
Instrument :
 BNA_F
 ClientSampleId :

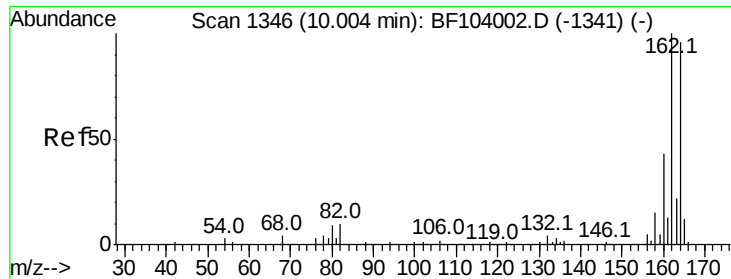
Tot Ion:	82	Resp:	172031
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	42.3	41.4	62.2



#25
 Isophorone
 Concen: 16.007 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.25 min
 Lab File: BF104158.D
 Acq: 3 Apr 2018 3:57

Tgt Ion:	82	Resp:	172031
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

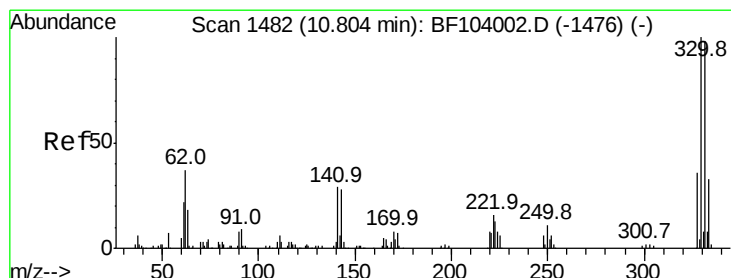
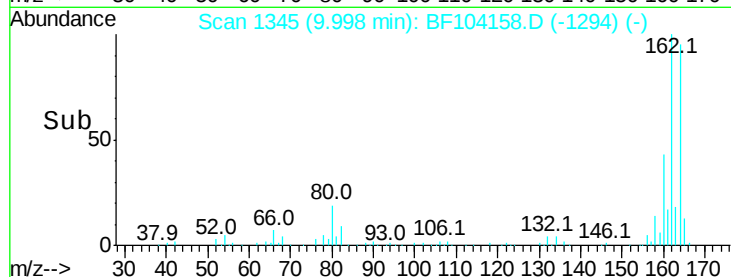
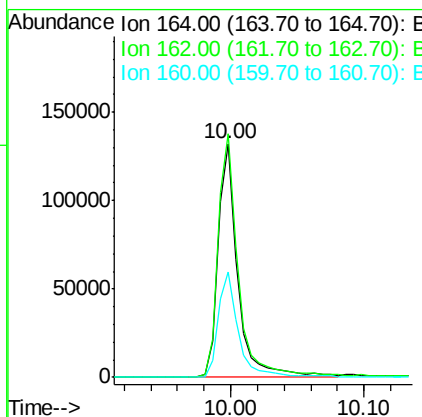
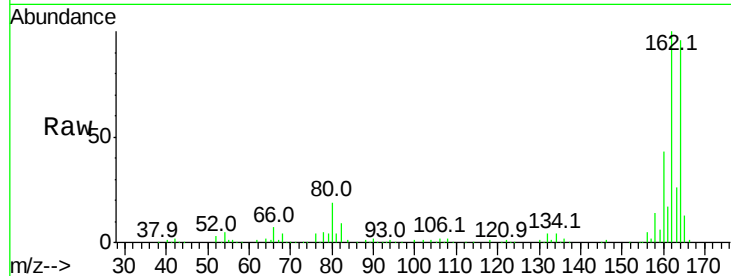




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: BF104158.D
 Acq: 3 Apr 2018 3:57

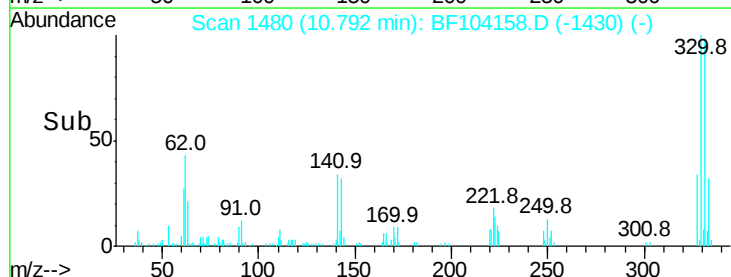
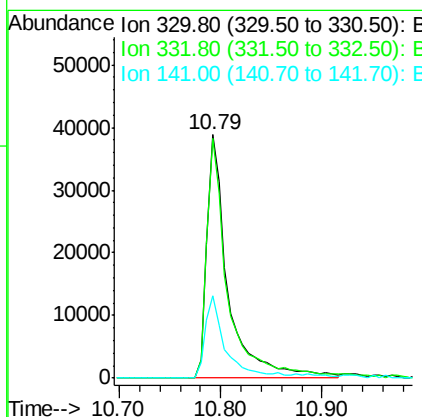
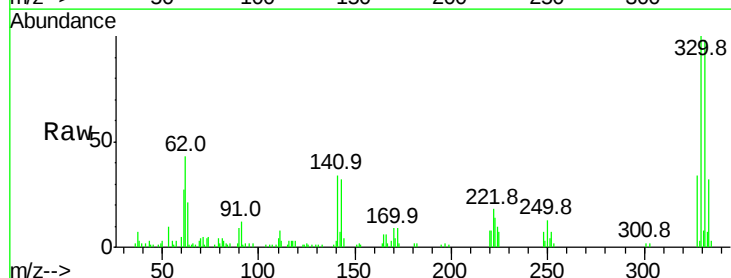
Instrument :
 BNA_F
 ClientSampleId :

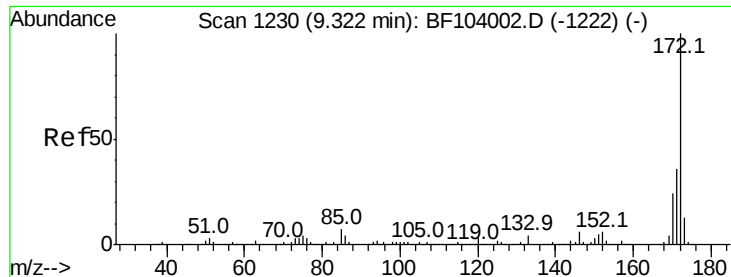
Tot Ion:164 Resp: 137731
 Ion Ratio Lower Upper
 164 100
 162 104.1 86.1 129.1
 160 44.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 37.007 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF104158.D
 Acq: 3 Apr 2018 3:57

Tgt Ion:330 Resp: 56756
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 32.2 29.9 44.9

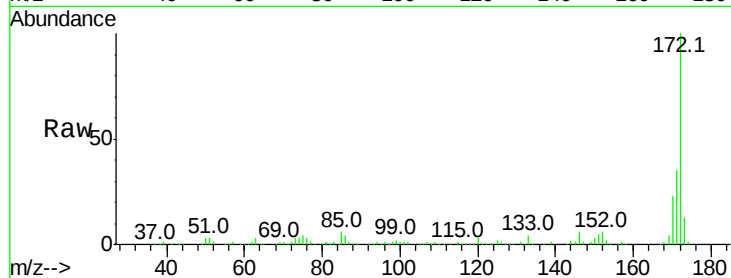




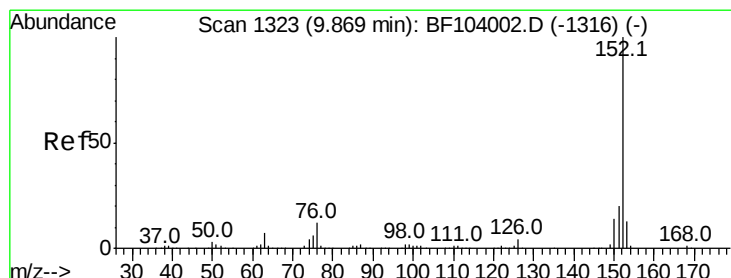
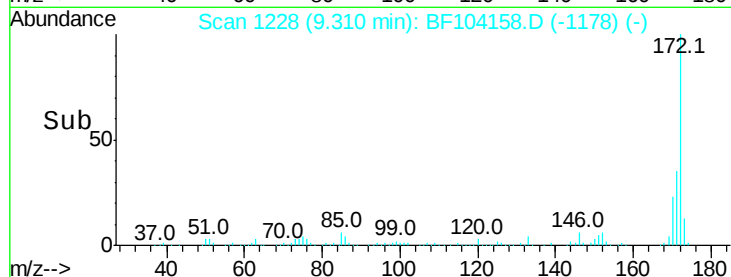
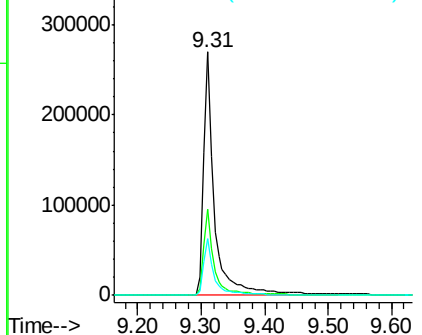
#44
 2-Fluorobiphenyl
 Concen: 37.289 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104158.D
 Acq: 3 Apr 2018 3:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 325691
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.3 19.6 29.4

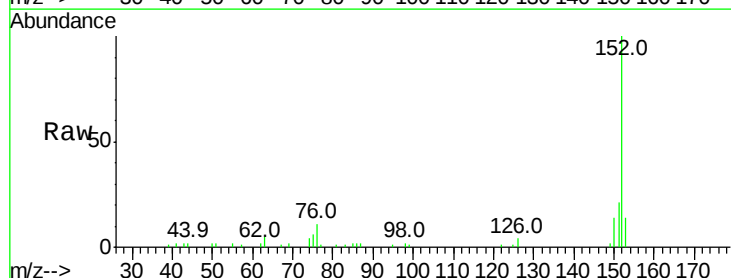


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

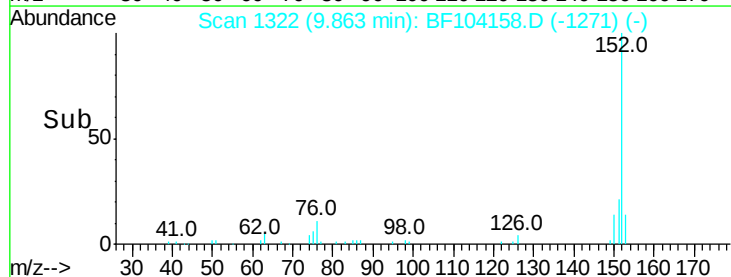
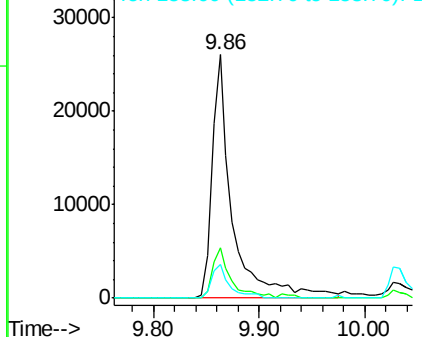


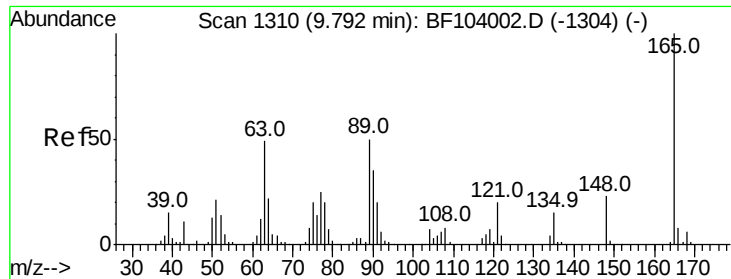
#48
 Acenaphthylene
 Concen: 2.470 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: BF104158.D
 Acq: 3 Apr 2018 3:57

Tgt Ion:152 Resp: 34894
 Ion Ratio Lower Upper
 152 100
 151 20.5 16.3 24.5
 153 13.8 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

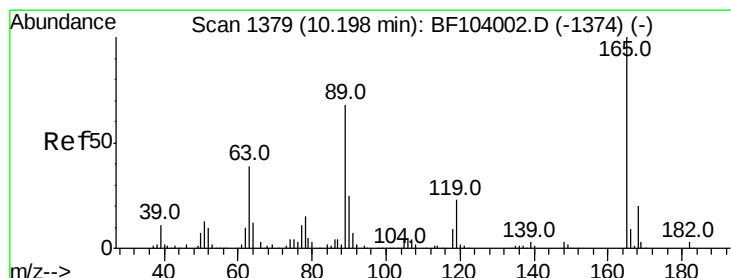
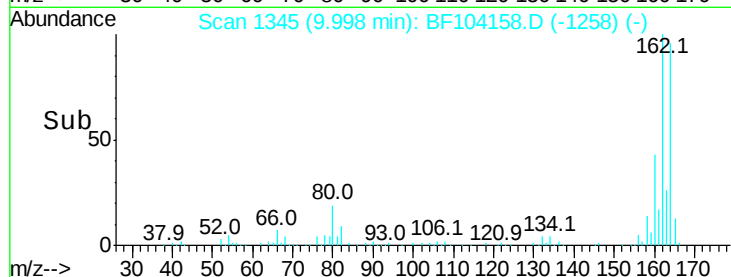
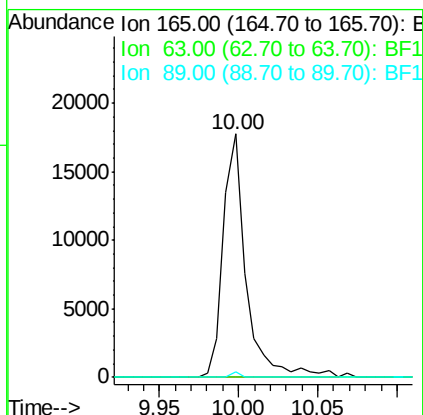
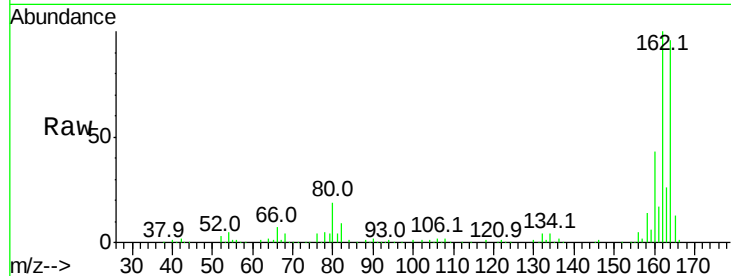




#50
 2,6-Dinitrotoluene
 Concen: 7.620 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.21 min
 Lab File: BF104158.D
 Acq: 3 Apr 2018 3:57

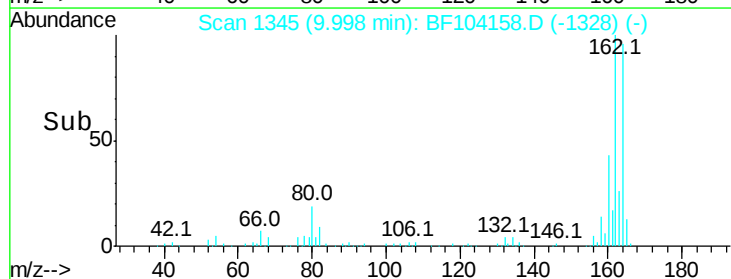
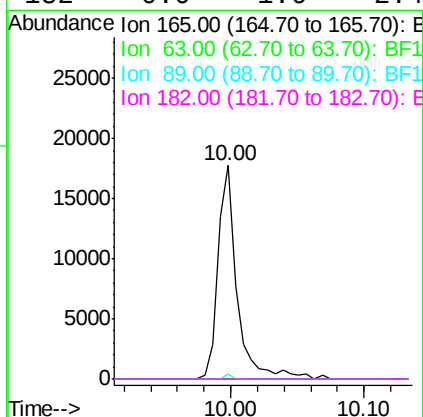
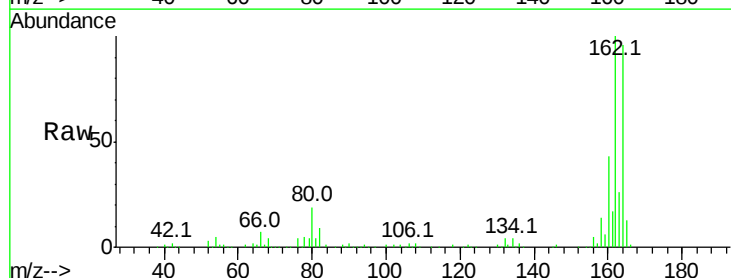
Instrument :
 BNA_F
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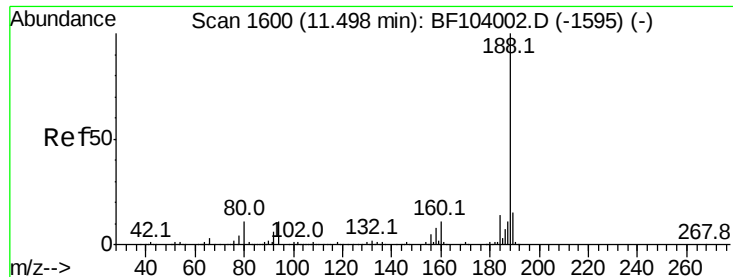
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	2.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.007 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.20 min
 Lab File: BF104158.D
 Acq: 3 Apr 2018 3:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	2.2	57.8	86.6#
182	0.0	1.6	2.4#

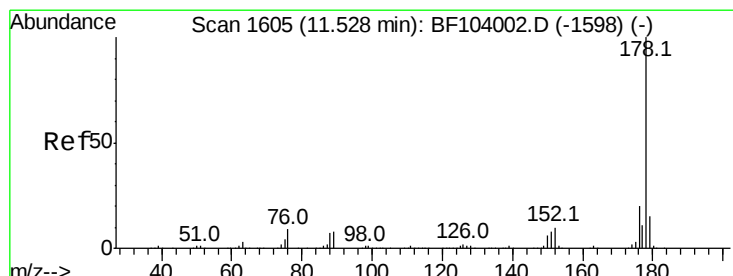
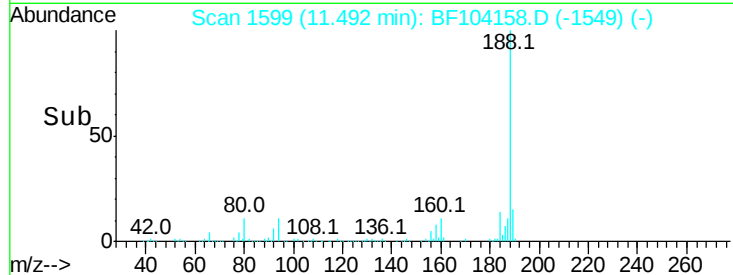
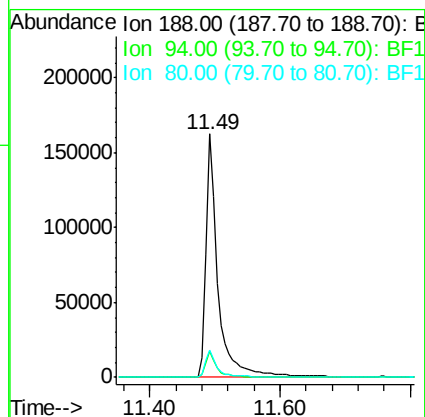
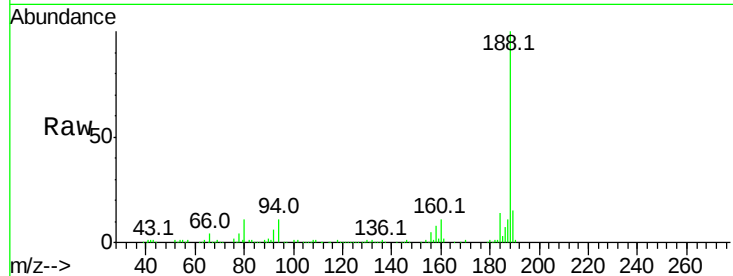




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

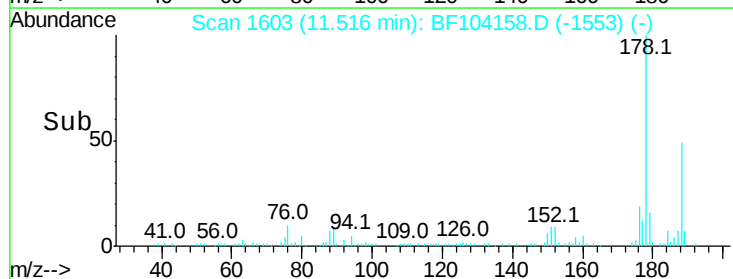
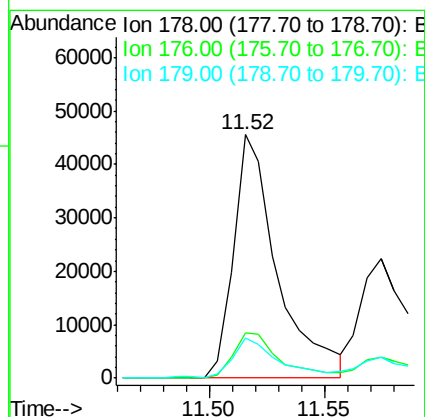
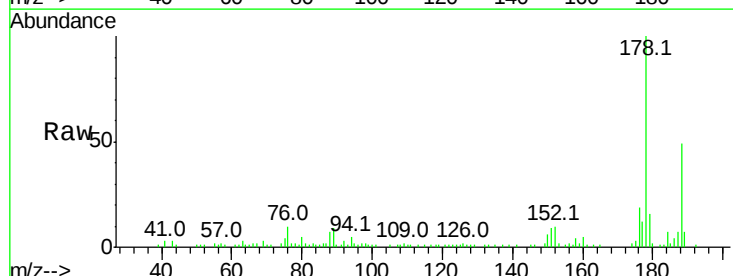
Instrument :
BNA_F
ClientSampleId :

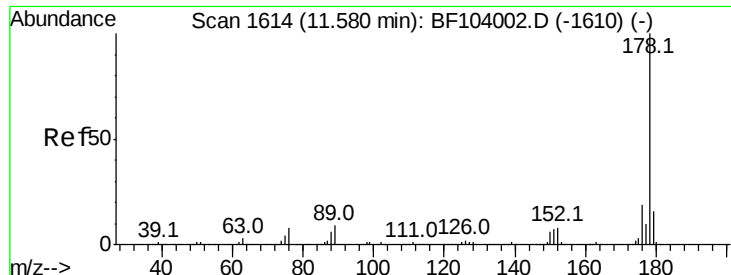
Tot Ion:188 Resp: 210505
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.2 9.2 13.8



#70
Phenanthrene
Concen: 5.292 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

Tgt Ion:178 Resp: 60313
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 16.3 13.0 19.6

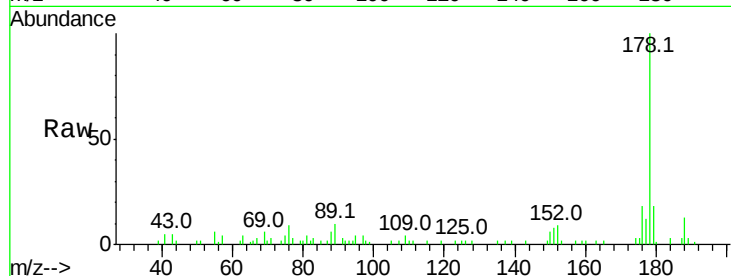




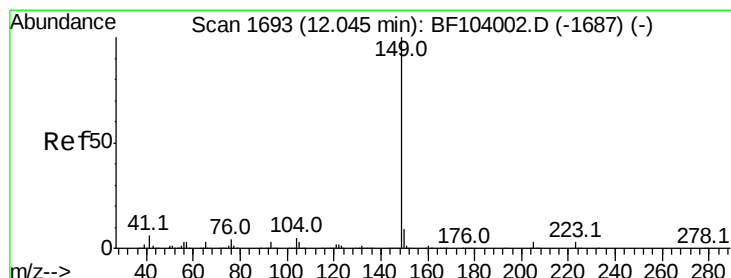
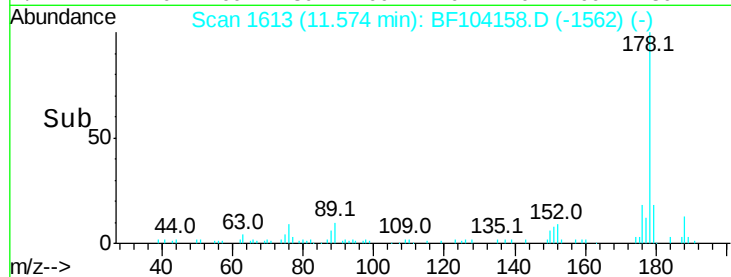
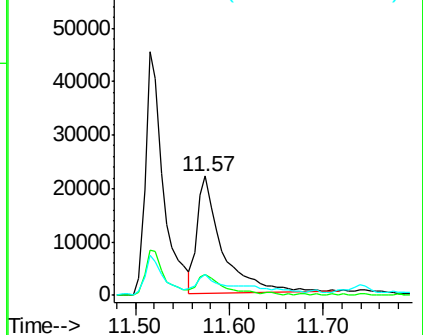
#71
 Anthracene
 Concen: 3.485 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: BF104158.D
 Acq: 3 Apr 2018 3:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 41488
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 17.5 12.6 19.0

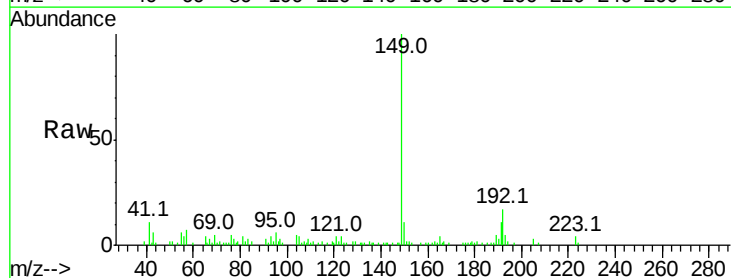


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

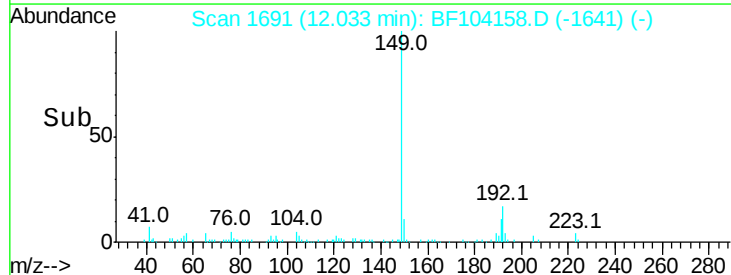
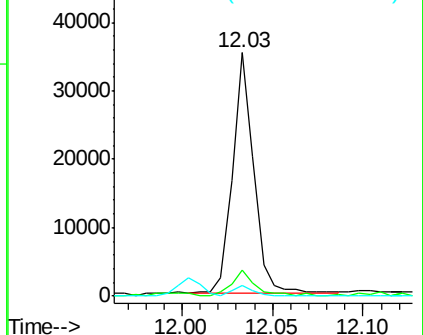


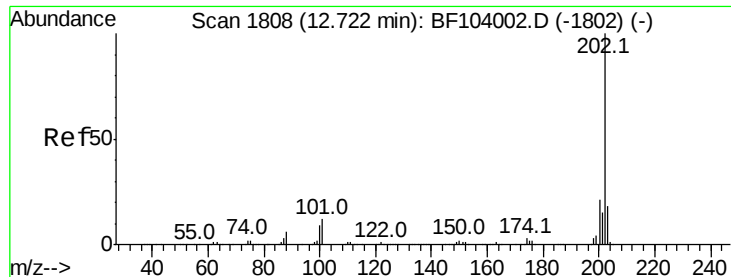
#73
 Di-n-butylphthalate
 Concen: 2.128 ng
 RT: 12.03 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BF104158.D
 Acq: 3 Apr 2018 3:57

Tgt Ion:149 Resp: 28799
 Ion Ratio Lower Upper
 149 100
 150 10.7 7.8 11.6
 104 4.5 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: 25.273 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF104158.D

Acq: 3 Apr 2018 3:57

Instrument :

BNA_F

ClientSampleId :

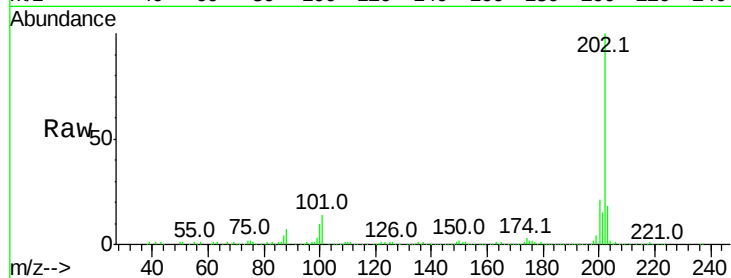
Tot Ion:202 Resp: 306170

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.1

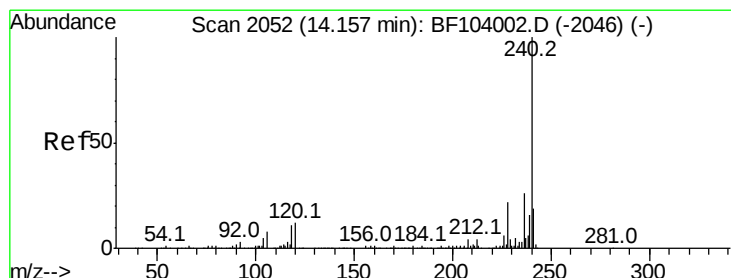
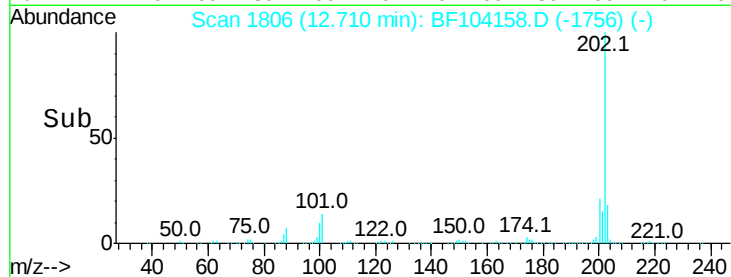
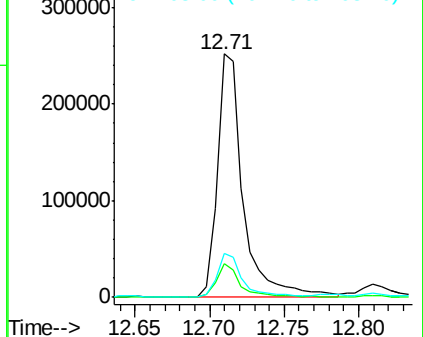
203 17.8 0.0 38.1



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: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF104158.D

Acq: 3 Apr 2018 3:57

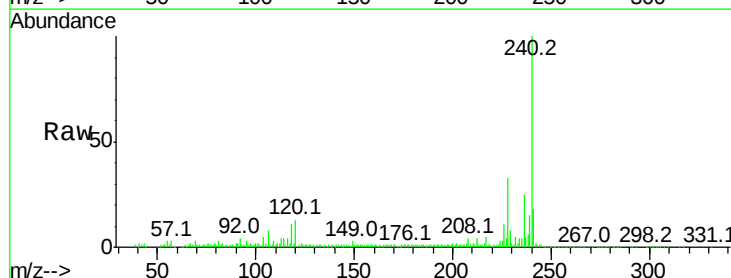
Tgt Ion:240 Resp: 214621

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

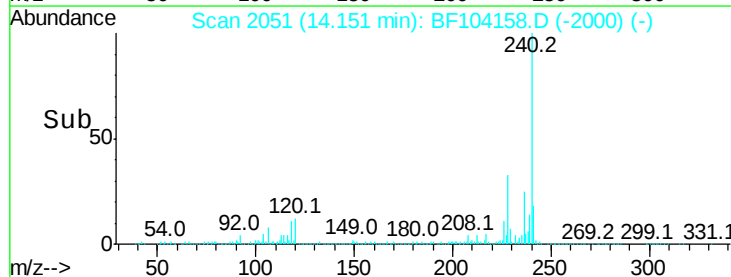
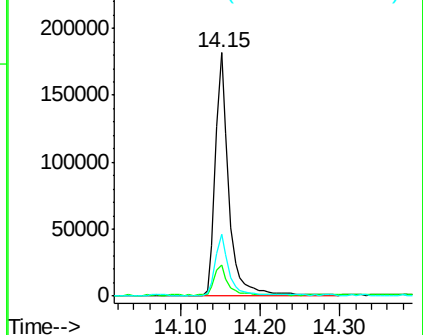
236 25.2 20.7 31.1

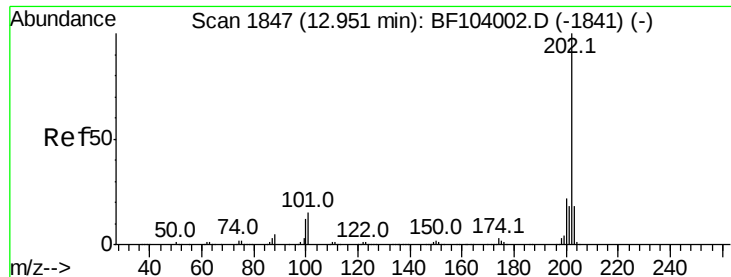


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

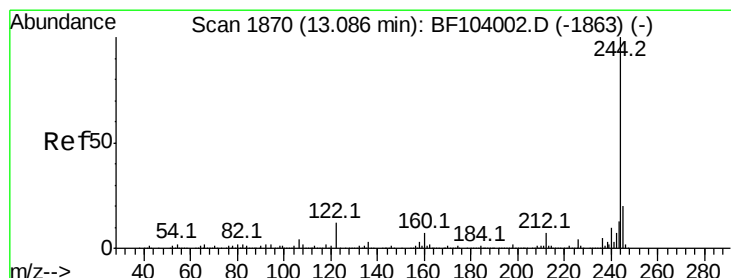
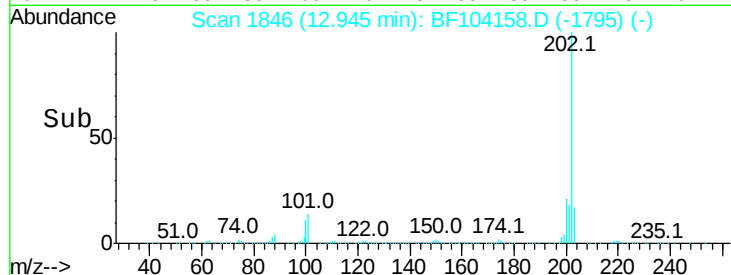
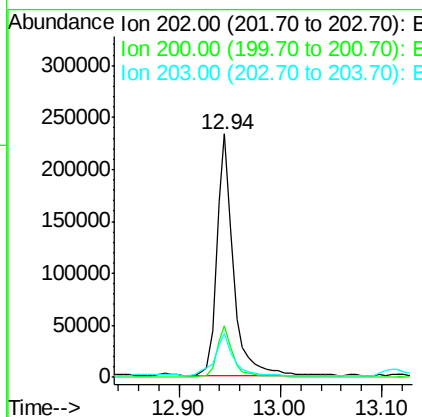
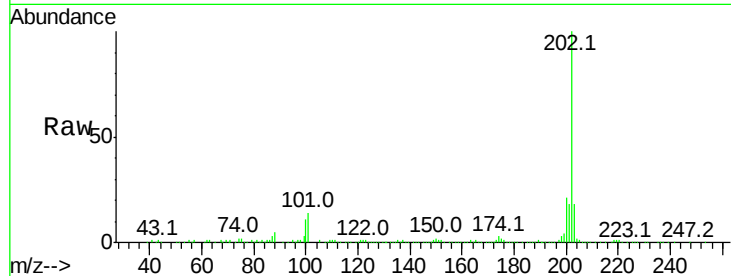




#77
Pvrene
Concen: 16.991 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.00 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

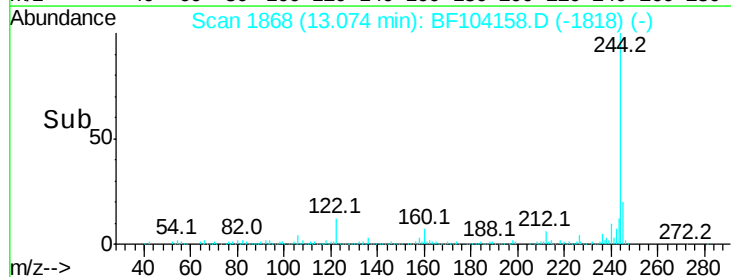
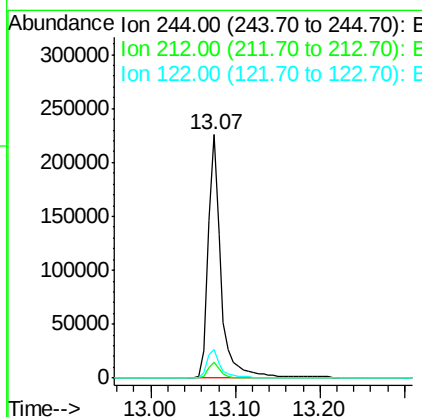
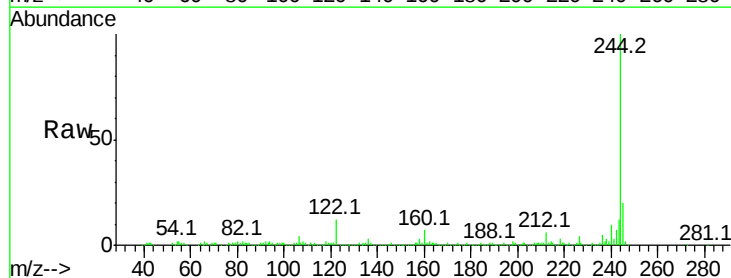
Instrument :
BNA_F
ClientSampleId :

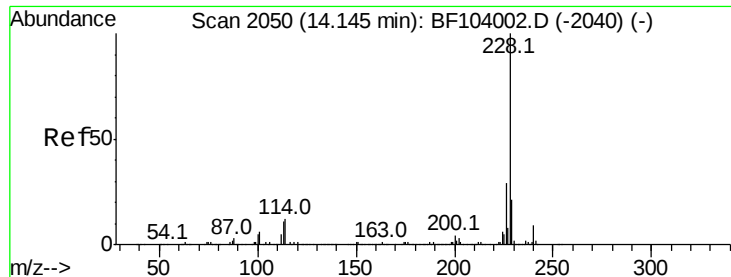
Tot Ion:202 Resp: 262145
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 17.9 14.3 21.5



#78
Terphenyl-d14
Concen: 26.016 ng
RT: 13.07 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

Tgt Ion:244 Resp: 241821
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 11.7 11.0 16.4

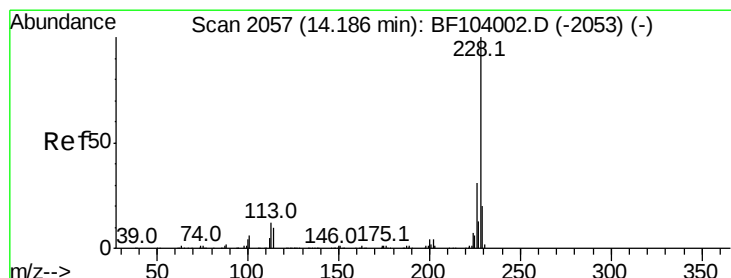
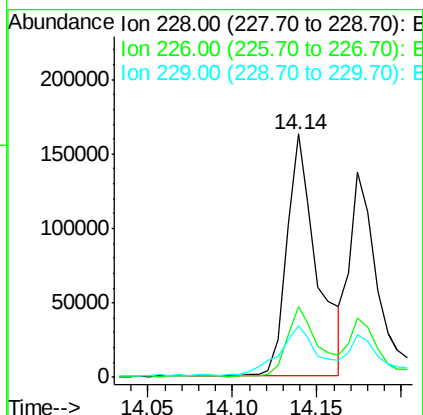
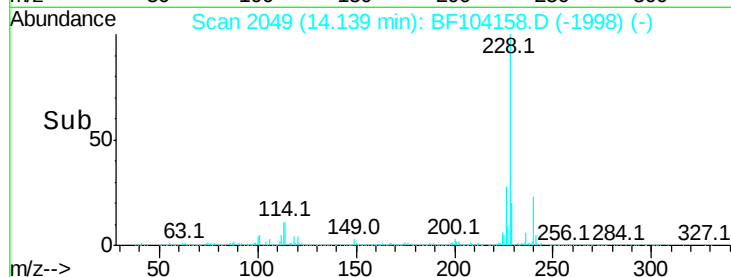
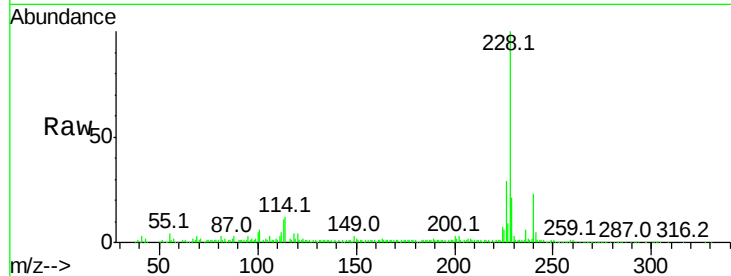




#80
Benzo(a)anthracene
Concen: 14.997 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.00 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

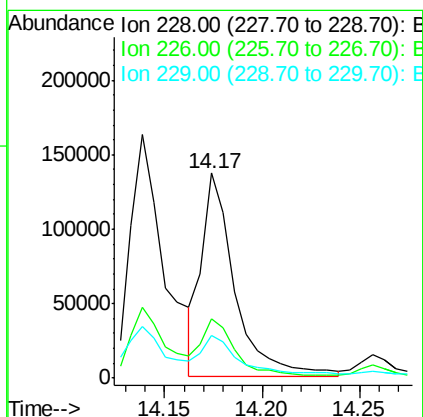
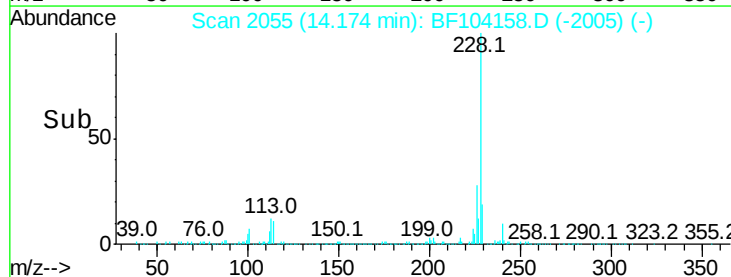
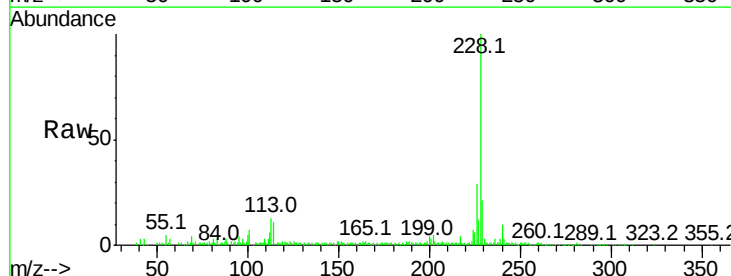
Instrument :
BNA_F
ClientSampleId :

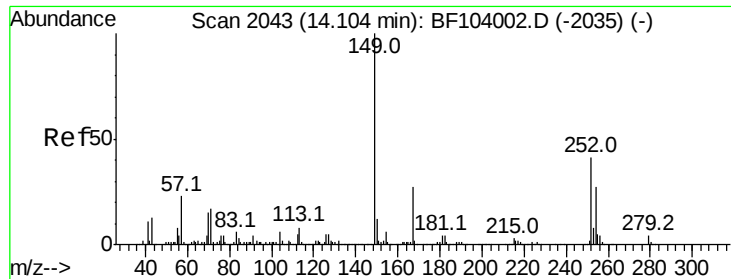
Tot Ion:228 Resp: 201404
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 21.1 15.8 23.6



#82
Chrysene
Concen: 12.455 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

Tgt Ion:228 Resp: 163824
Ion Ratio Lower Upper
228 100
226 28.9 25.0 37.6
229 20.6 16.2 24.4

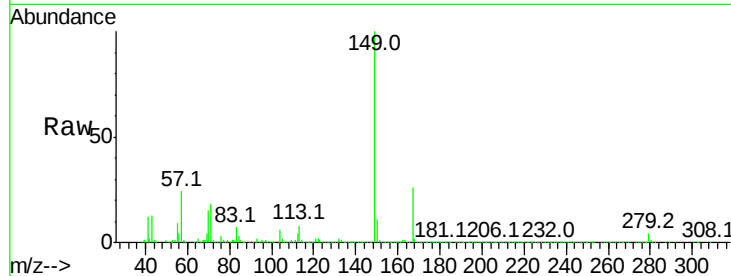




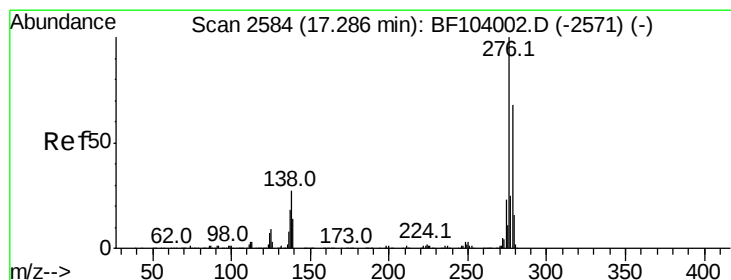
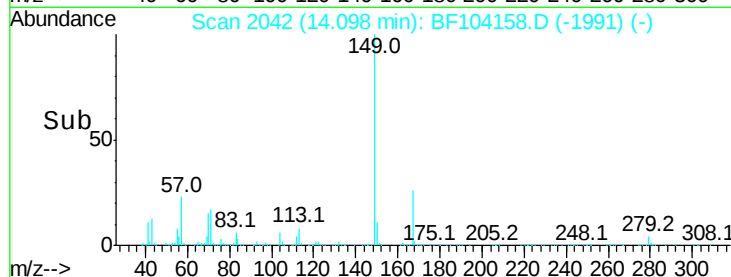
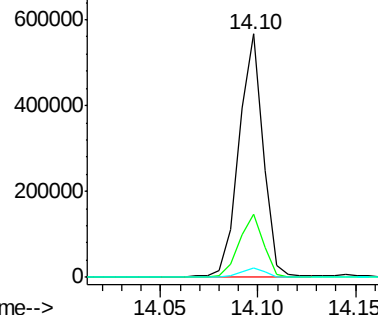
#83
Bis(2-ethylhexyl)phthalate
Concen: 51.290 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.00 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 481691
Ion Ratio Lower Upper
149 100
167 26.0 21.3 31.9
279 3.9 3.0 4.4

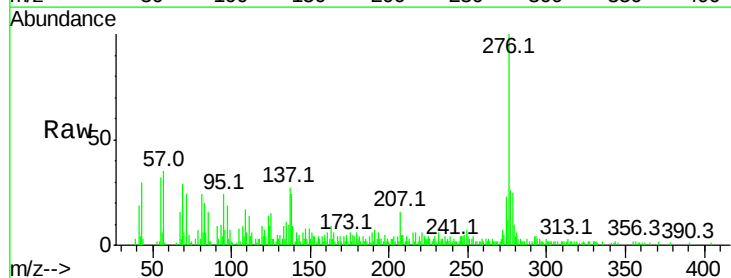


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

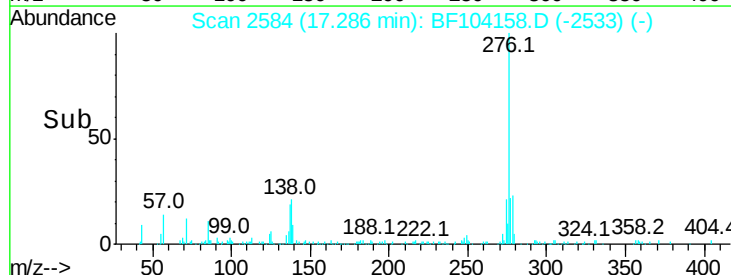
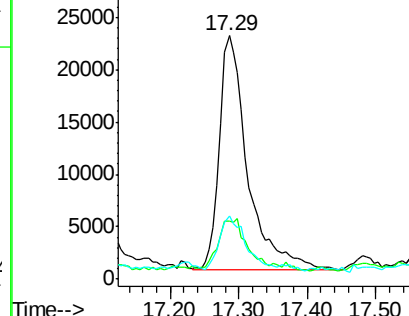


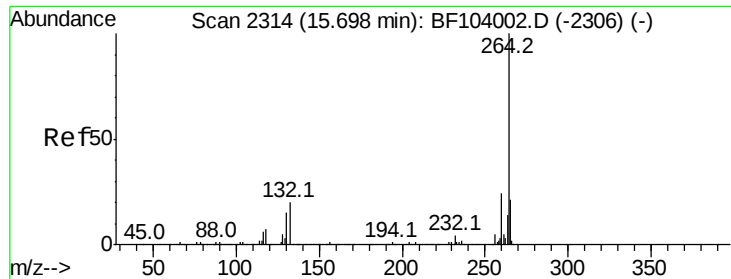
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.707 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.00 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

Tgt Ion:276 Resp: 64163
Ion Ratio Lower Upper
276 100
138 20.9 25.0 37.6#
277 20.6 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



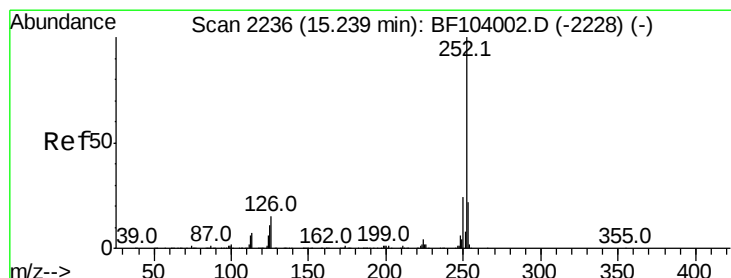
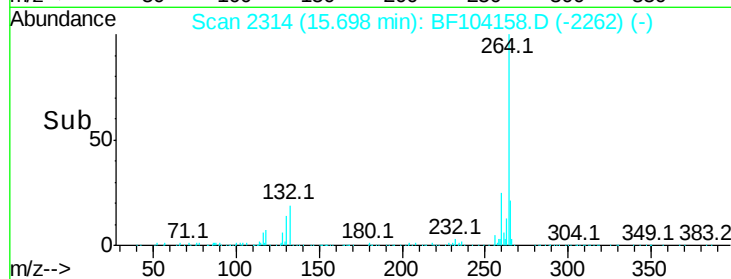
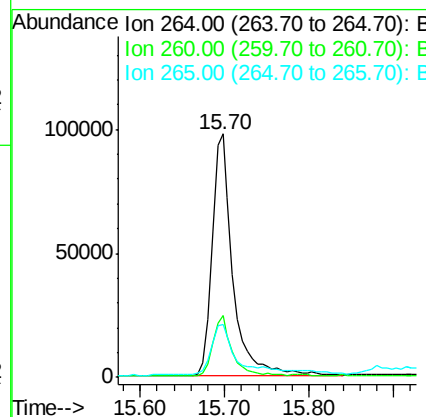
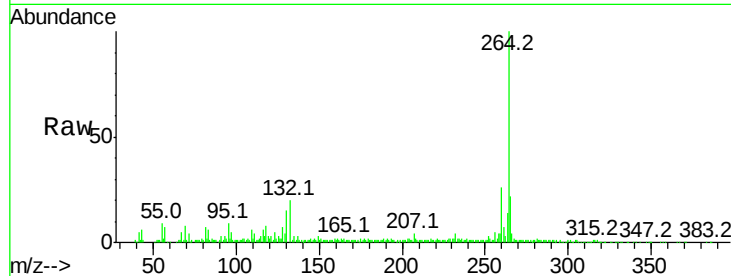


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 169295

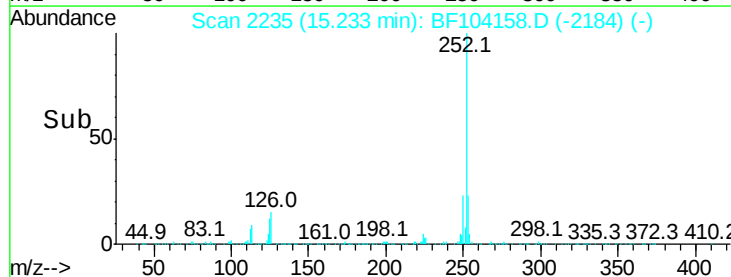
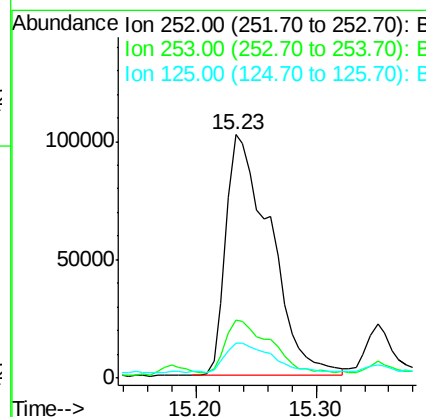
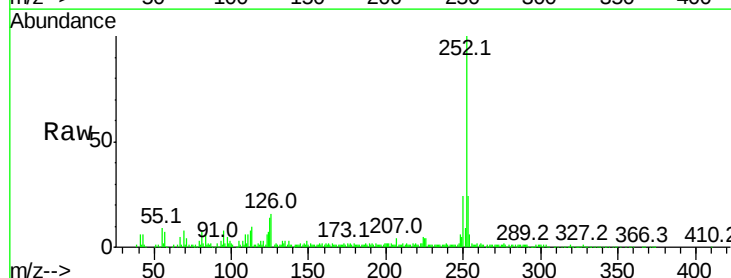
Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	21.9	17.5	26.3

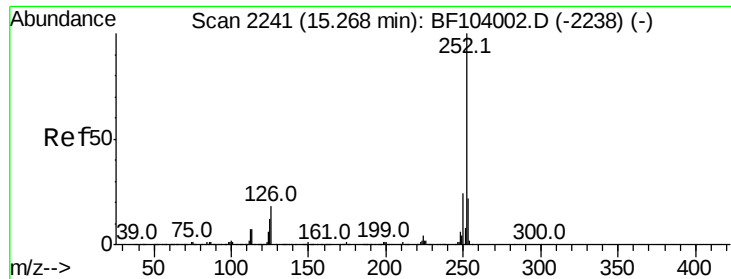


#87
Benzo(b)fluoranthene
Concen: 25.444 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

Tgt Ion:252 Resp: 262153

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	14.1	9.0	13.6

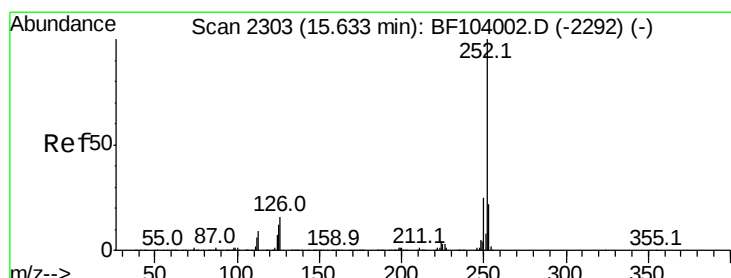
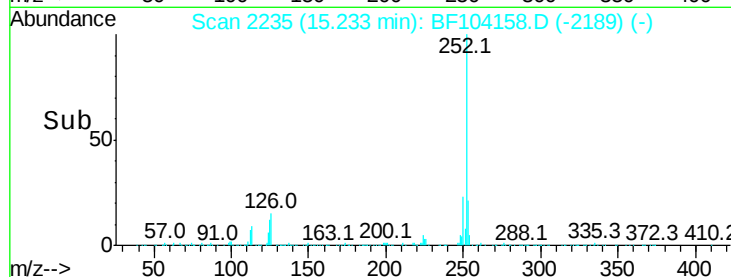
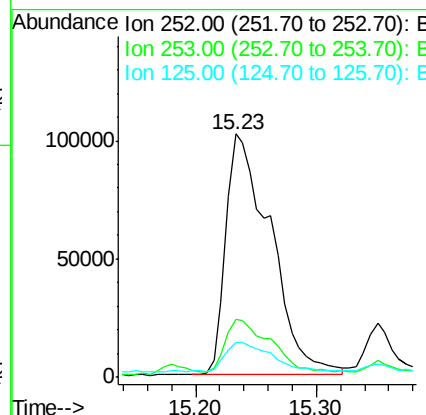
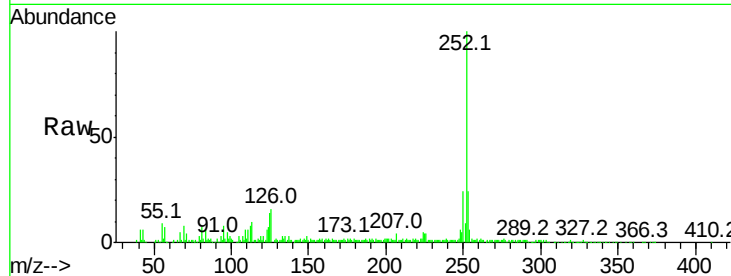




#88
Benzo(k)fluoranthene
Concen: 27.010 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

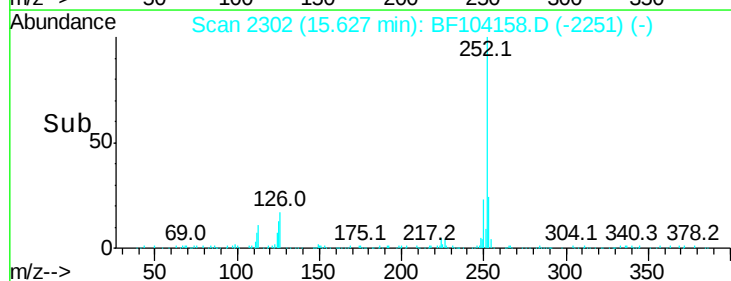
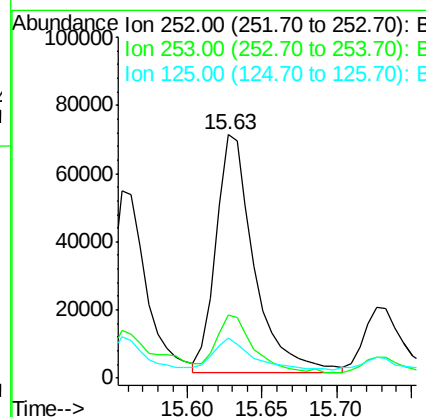
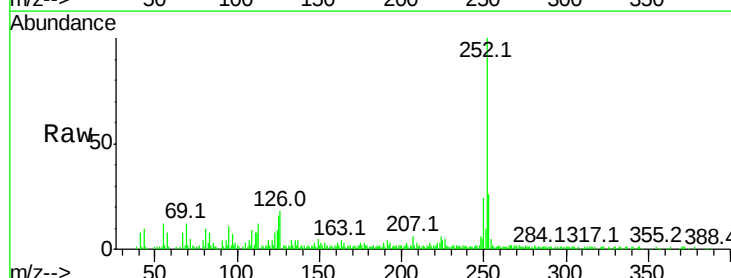
Instrument :
BNA_F
ClientSampleId :

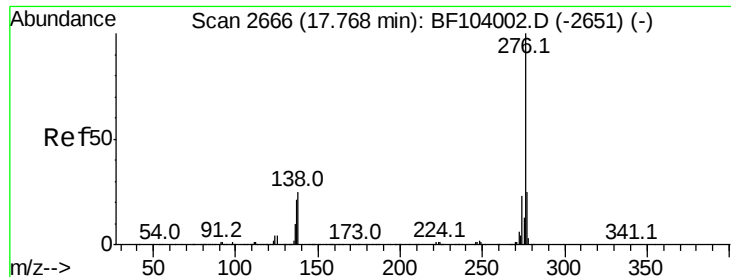
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	14.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 13.037 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.00 min
Lab File: BF104158.D
Acq: 3 Apr 2018 3:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.1	25.7#
125	16.3	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 6.294 ng

RT: 17.77 min Scan# 2667

Delta R.T. 0.01 min

Lab File: BF104158.D

Acq: 3 Apr 2018 3:57

Instrument :

BNA_F

ClientSampleId :

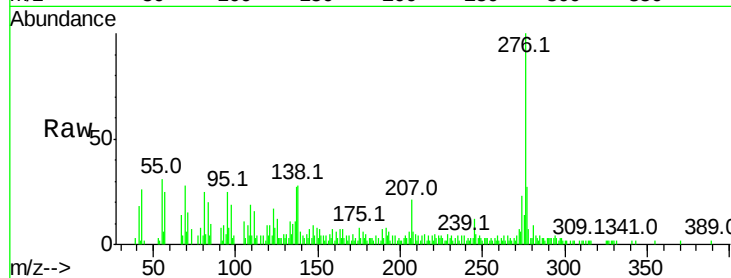
Tot Ion:276 Resp: 55654

Ion Ratio Lower Upper

276 100

277 26.9 17.9 26.9#

138 27.5 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

