

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104159.D
 Acq On : 3 Apr 2018 4:24
 Operator : JU/SJ
 Sample : J2121-08
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 05:53:58 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	102467	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	421364	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	178528	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	273488	20.00	ng	0.00
75) Chrysene-d12	14.15	240	219419	20.00	ng	0.00
86) Perylene-d12	15.70	264	173040	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	508016	79.07	ng	0.01
7) Phenol-d6	6.60	99	708364	89.61	ng	0.00
23) Nitrobenzene-d5	7.52	82	440627	63.95	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	143859	72.37	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	860186	75.98	ng	0.00
78) Terphenyl-d14	13.08	244	594296	62.54	ng	0.00

Target Compounds

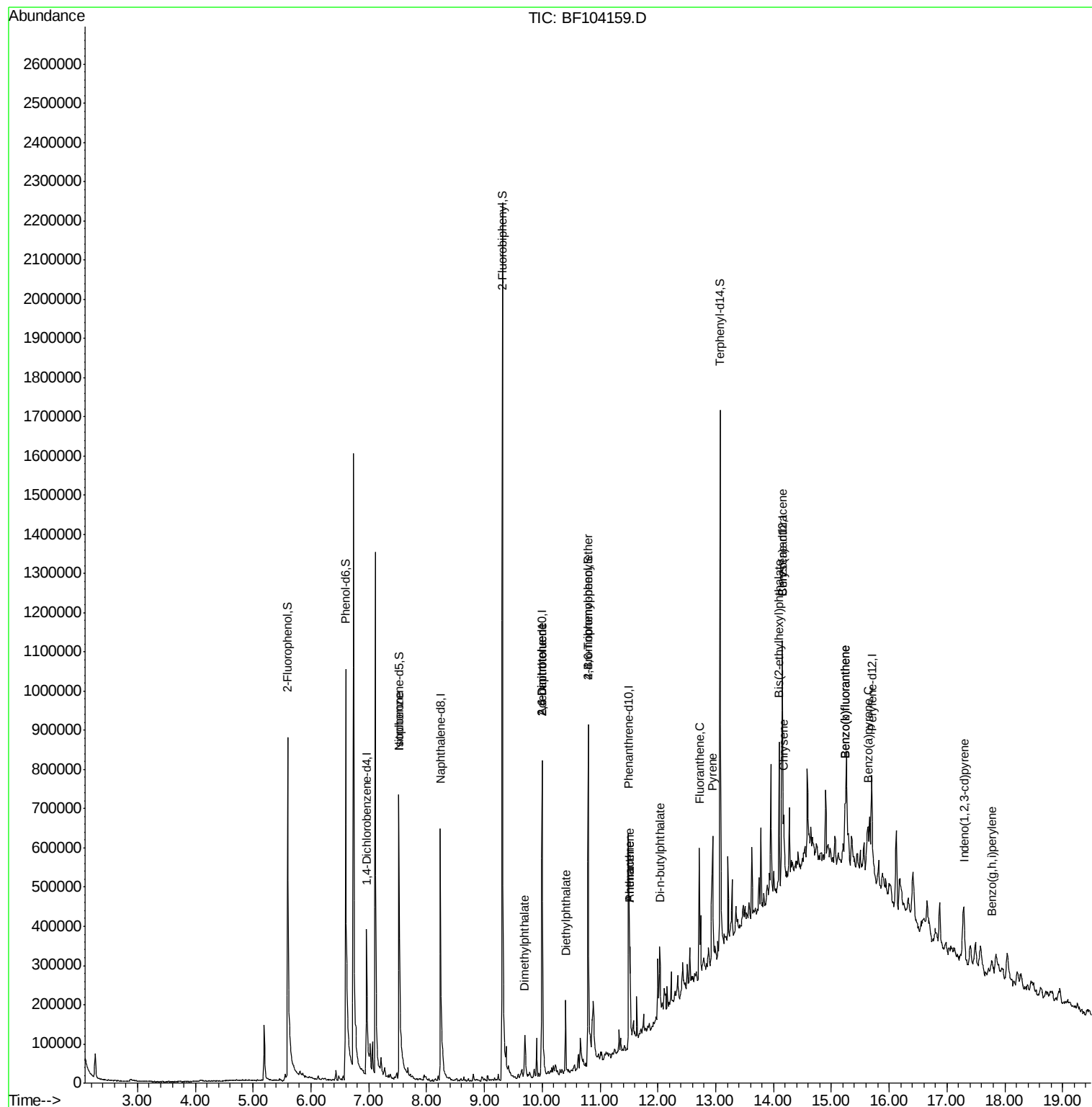
						Qvalue
9) Benzaldehyde	6.55	77	644	Below Cal	#	1
25) Isophorone	7.52	82	440627	34.701 ng	#	64
49) Dimethylphthalate	9.70	163	50059	3.551 ng		98
50) 2,6-Dinitrotoluene	10.00	165	23586	7.778 ng	#	26
56) 2,4-Dinitrotoluene	10.00	165	23970	6.194 ng	#	24
59) Diethylphthalate	10.40	149	27549	2.040 ng		98
66) 4-Bromophenyl-phenylether	10.79	248	8687	2.969 ng	#	1
70) Phenanthrene	11.52	178	95899	6.477 ng		98
71) Anthracene	11.52	178	95899	6.200 ng		99
73) Di-n-butylphthalate	12.03	149	70338	4.000 ng		100
74) Fluoranthene	12.72	202	162118	10.300 ng		97
77) Pylene	12.94	202	154852	9.817 ng		97
80) Benzo(a)anthracene	14.14	228	86678	6.313 ng		95
82) Chrysene	14.18	228	78159	5.812 ng		97
83) Bis(2-ethylhexyl)phthalate	14.10	149	108151	11.264 ng		99
85) Indeno(1,2,3-cd)pyrene	17.29	276	36293	2.604 ng	#	88
87) Benzo(b)fluoranthene	15.24	252	132492	12.581 ng	#	87
88) Benzo(k)fluoranthene	15.24	252	132492	13.356 ng	#	89
89) Benzo(a)pyrene	15.63	252	66336	6.797 ng	#	89
91) Benzo(a,h,i)perylene	17.78	276	35992	3.983 ng		93

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

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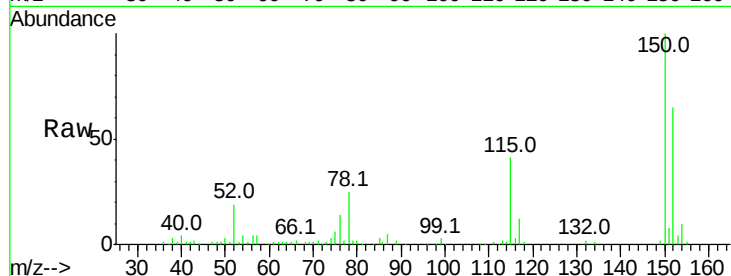


#1

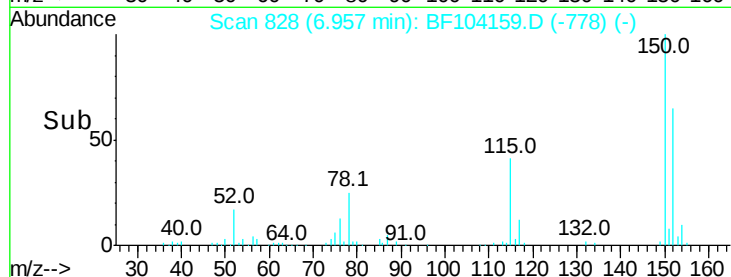
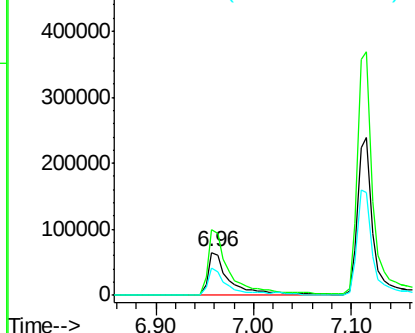
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF104159.D
 Acq: 3 Apr 2018 4:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 102467
 Ion Ratio Lower Upper
 152 100
 150 153.4 124.6 186.8
 115 63.0 50.1 75.1



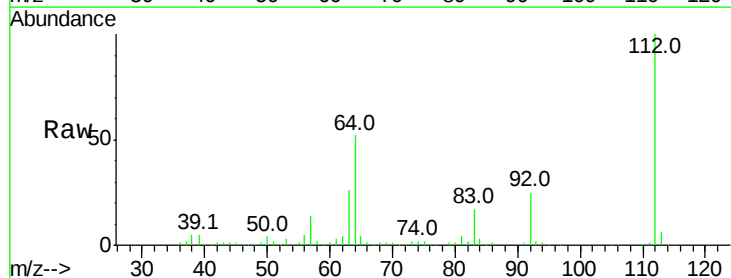
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



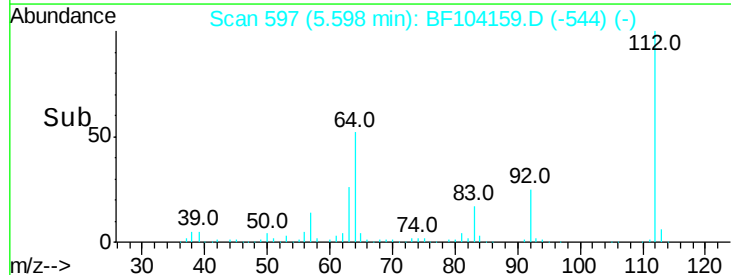
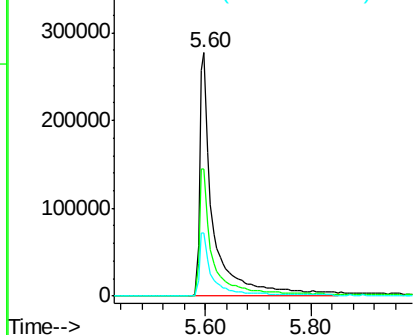
#5

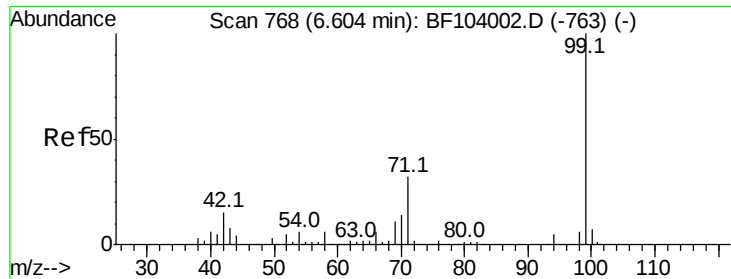
2-Fluorophenol
 Concen: 79.065 ng
 RT: 5.60 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: BF104159.D
 Acq: 3 Apr 2018 4:24

Tgt Ion:112 Resp: 508016
 Ion Ratio Lower Upper
 112 100
 64 52.3 47.9 71.9
 63 26.2 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: 89.609 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104159.D

Acq: 3 Apr 2018 4:24

Instrument :

BNA_F

ClientSampled :

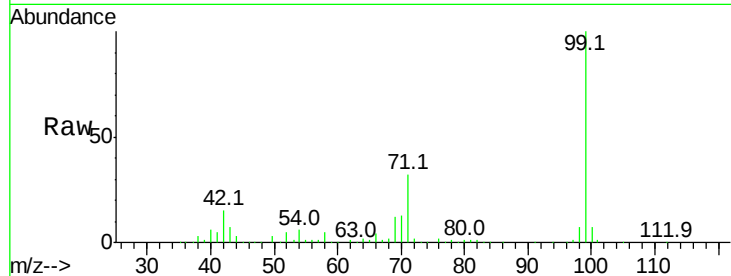
Tot Ion: 99 Resp: 708364

Ion Ratio Lower Upper

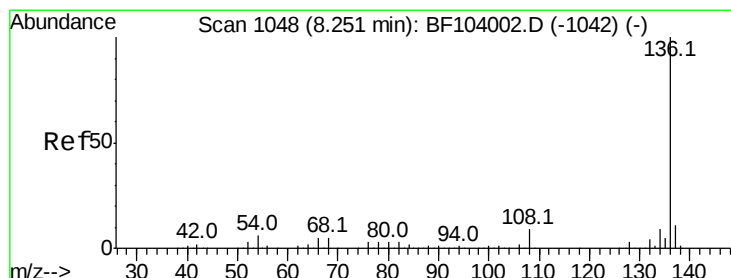
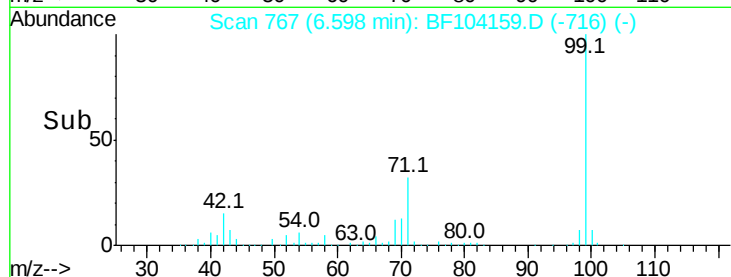
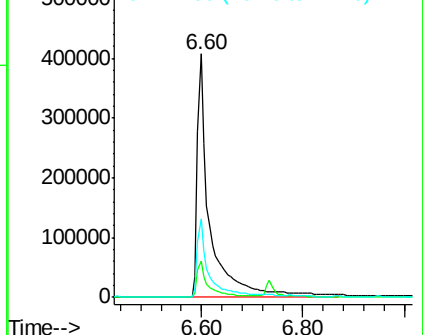
99 100

42 14.8 14.5 21.7

71 32.5 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: BF104159.D

Acq: 3 Apr 2018 4:24

Tgt Ion: 136 Resp: 421364

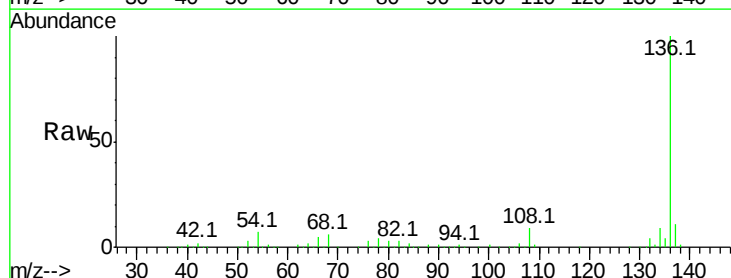
Ion Ratio Lower Upper

136 100

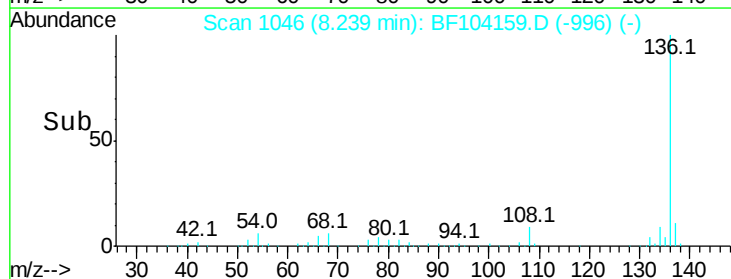
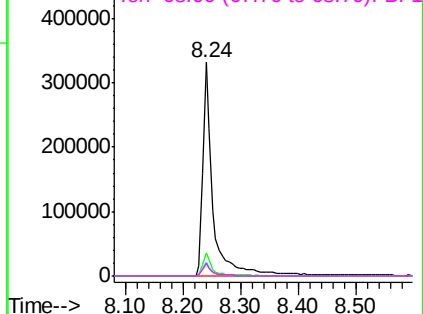
137 11.1 8.9 13.3

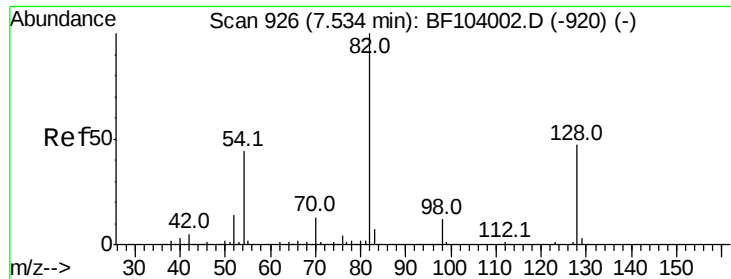
54 6.5 6.6 9.8#

68 6.0 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

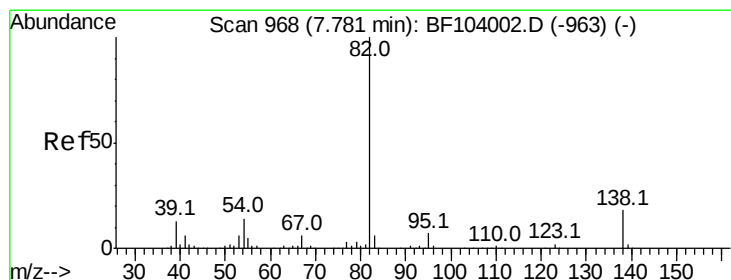
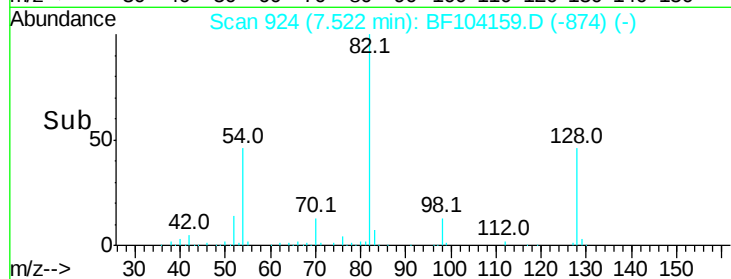
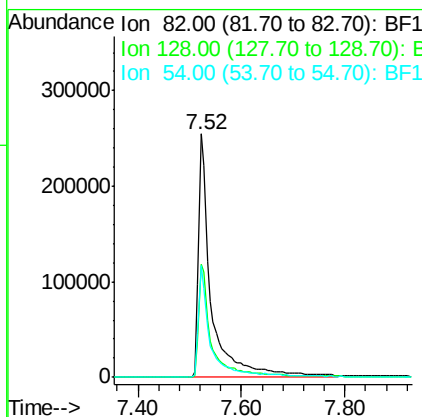
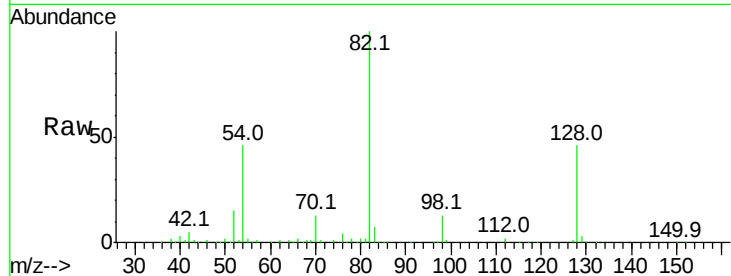




#23
 Nitrobenzene-d5
 Concen: 63.951 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: BF104159.D
 Acq: 3 Apr 2018 4:24

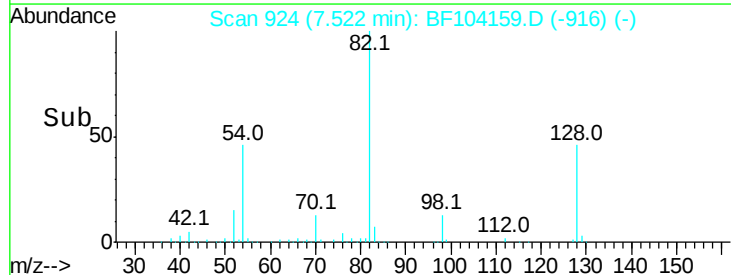
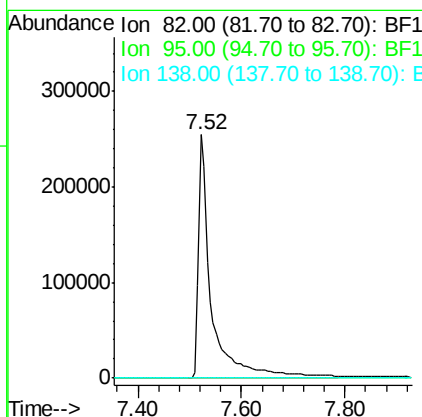
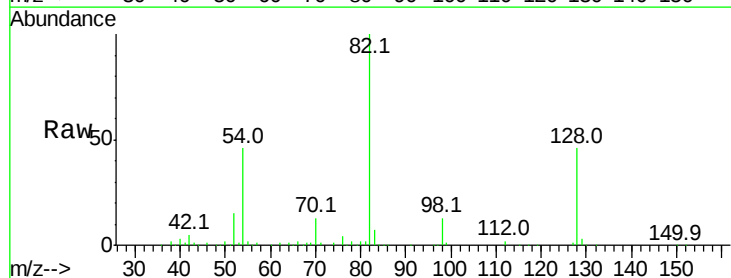
Instrument :
 BNA_F
 ClientSampleId :

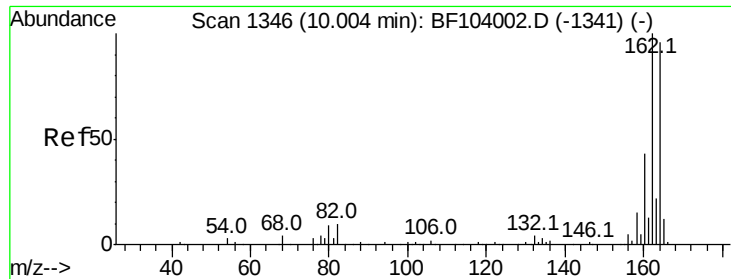
Tot Ion	82	Resp	440627
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	46.1	41.4	62.2



#25
 Isophorone
 Concen: 34.701 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.25 min
 Lab File: BF104159.D
 Acq: 3 Apr 2018 4:24

Tgt Ion	82	Resp	440627
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

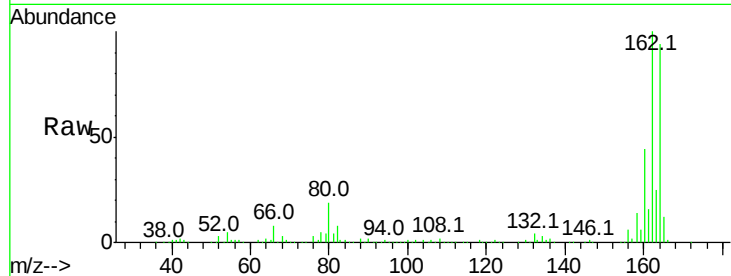




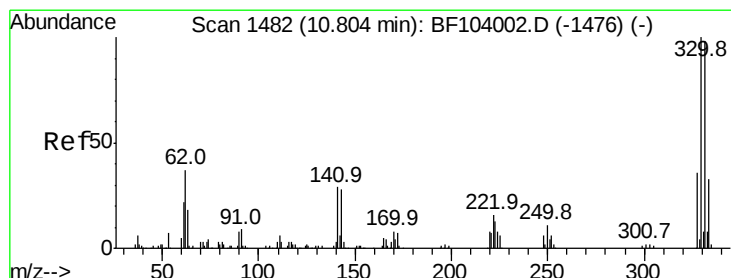
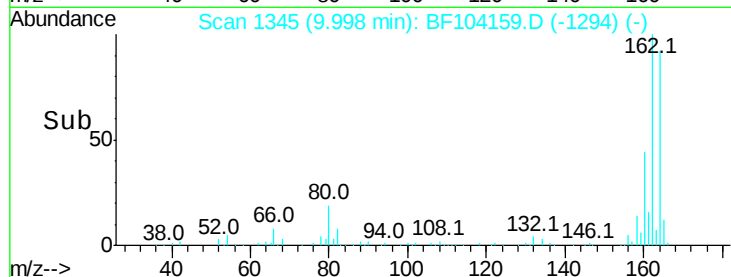
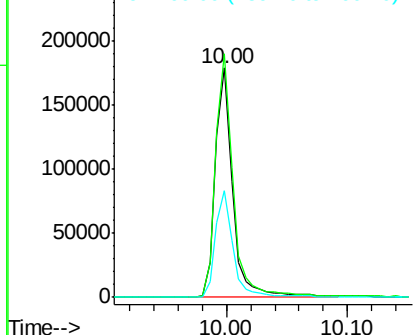
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: BF104159.D
 Acq: 3 Apr 2018 4:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 178528
 Ion Ratio Lower Upper
 164 100
 162 106.1 86.1 129.1
 160 46.5 38.3 57.5

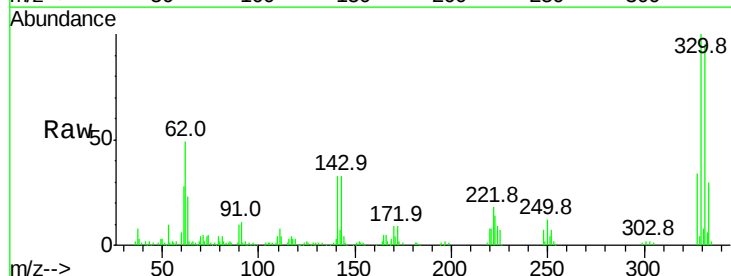


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

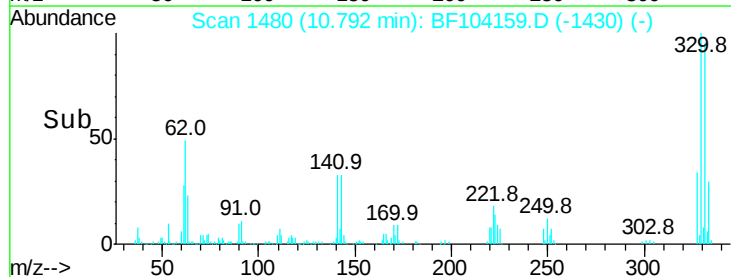
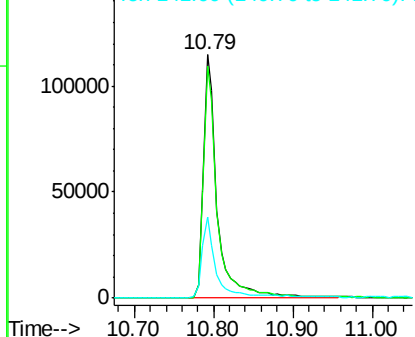


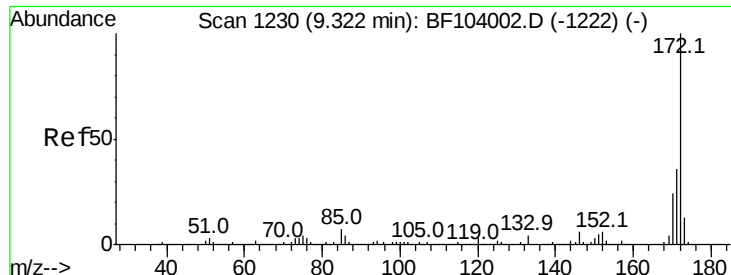
#41
 2,4,6-Tribromophenol
 Concen: 72.367 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF104159.D
 Acq: 3 Apr 2018 4:24

Tgt Ion:330 Resp: 143859
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 32.6 29.9 44.9



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

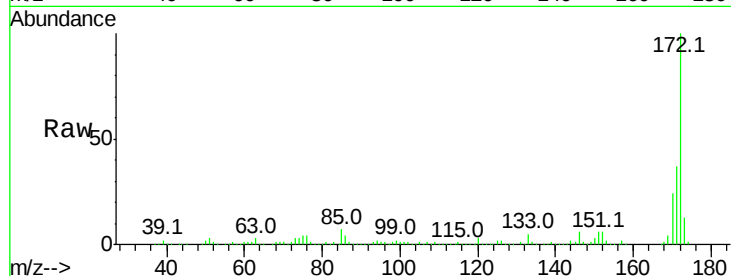




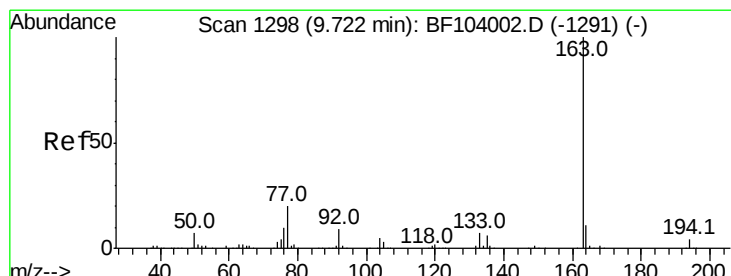
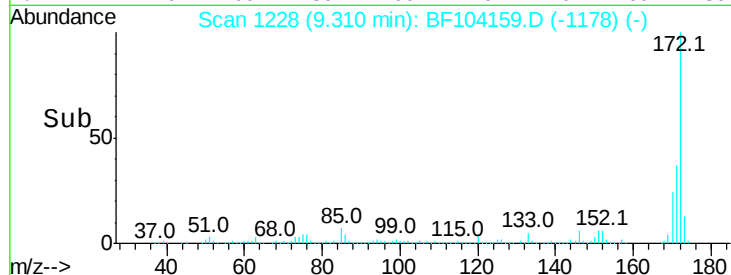
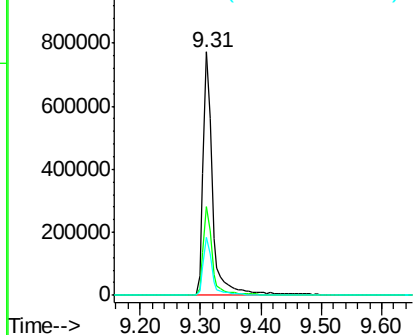
#44
2-Fluorobiphenyl
Concen: 75.979 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF104159.D
Acq: 3 Apr 2018 4:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 860186
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 23.7 19.6 29.4

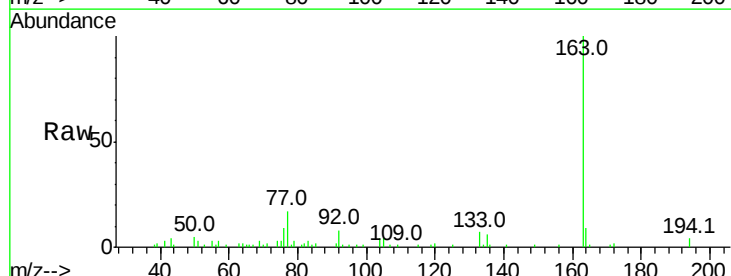


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

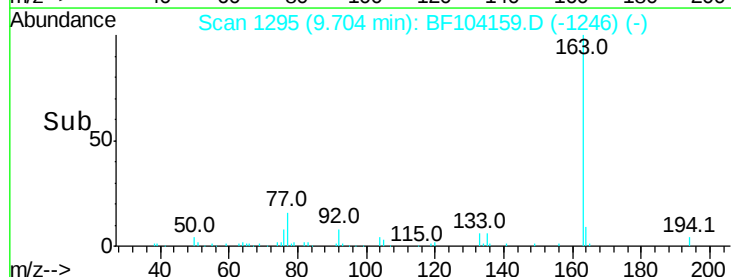
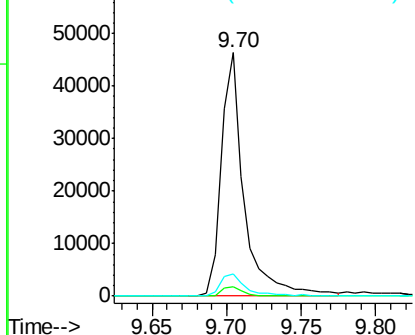


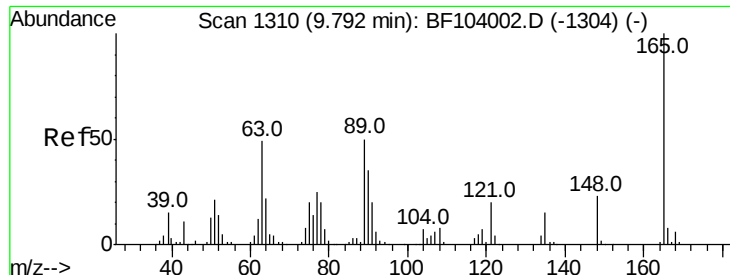
#49
Dimethylphthalate
Concen: 3.551 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104159.D
Acq: 3 Apr 2018 4:24

Tgt Ion:163 Resp: 50059
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.3 8.2 12.2



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





#50

2,6-Dinitrotoluene

Concen: 7.778 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.21 min

Lab File: BF104159.D

Acq: 3 Apr 2018 4:24

Instrument :

BNA_F

ClientSampleId :

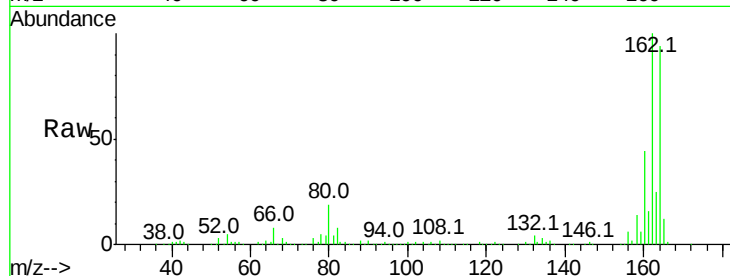
Tot Ion:165 Resp: 23586

Ion Ratio Lower Upper

165 100

63 2.0 44.7 67.1#

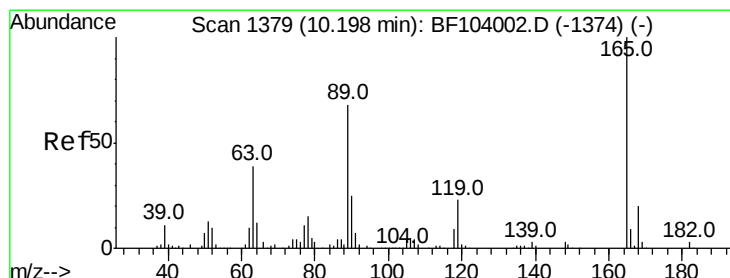
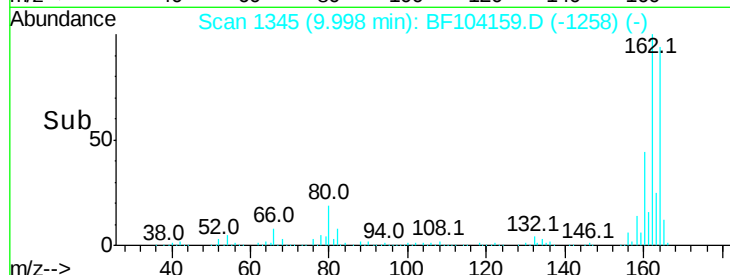
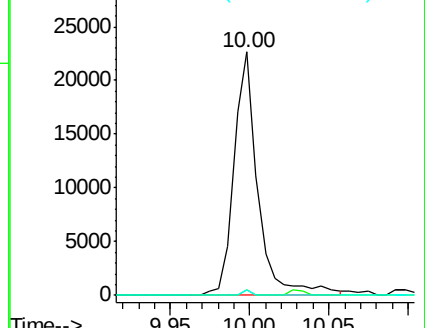
89 2.1 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.194 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.20 min

Lab File: BF104159.D

Acq: 3 Apr 2018 4:24

Tgt Ion:165 Resp: 23970

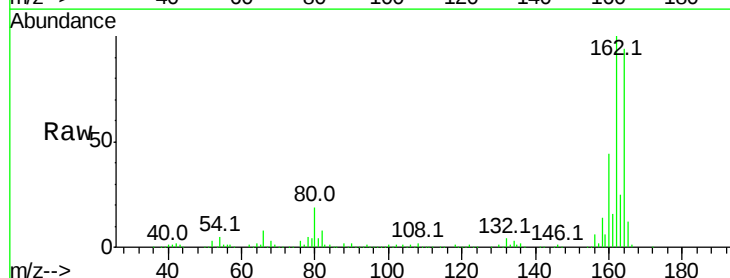
Ion Ratio Lower Upper

165 100

63 2.0 36.4 54.6#

89 2.1 57.8 86.6#

182 0.0 1.6 2.4#

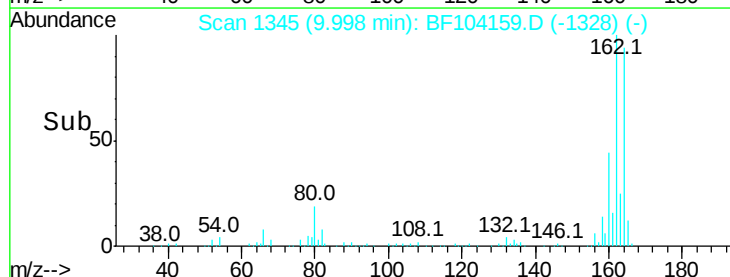
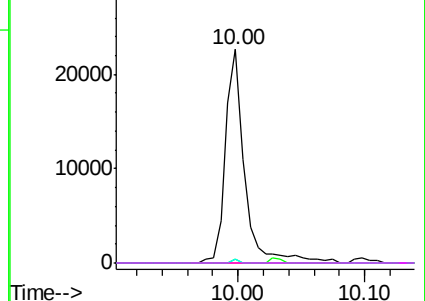


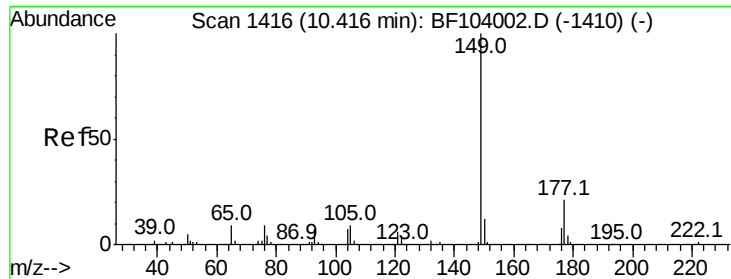
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

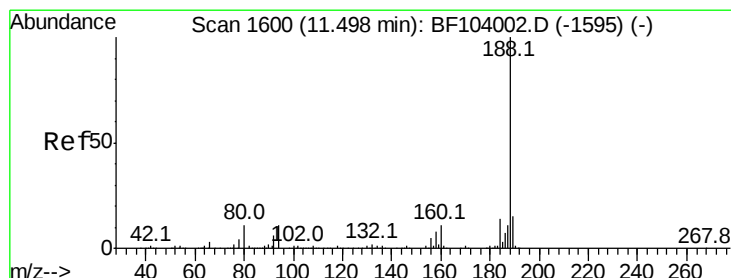
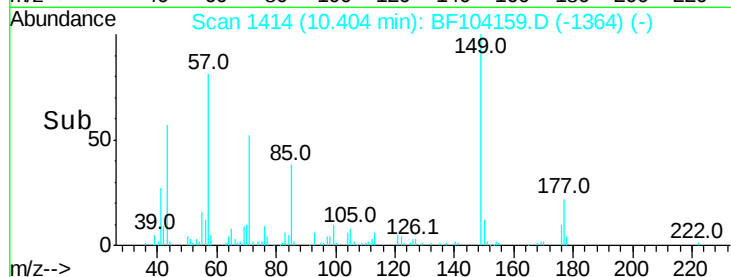
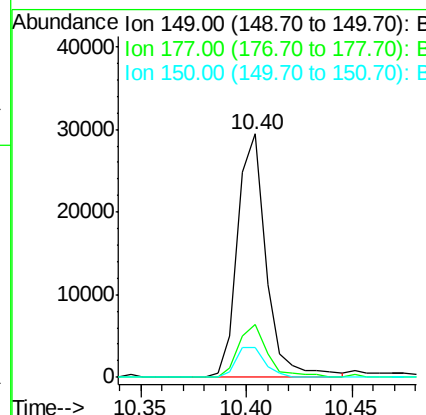
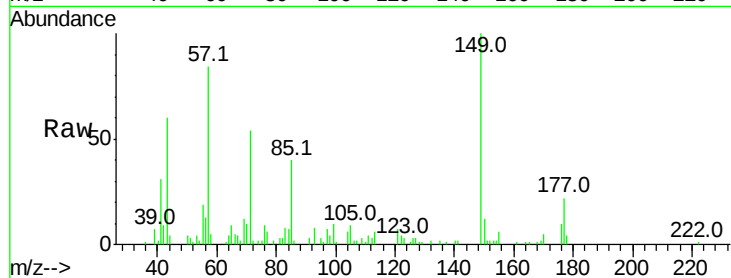




#59
Diethylphthalate
Concen: 2.040 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BF104159.D
Acq: 3 Apr 2018 4:24

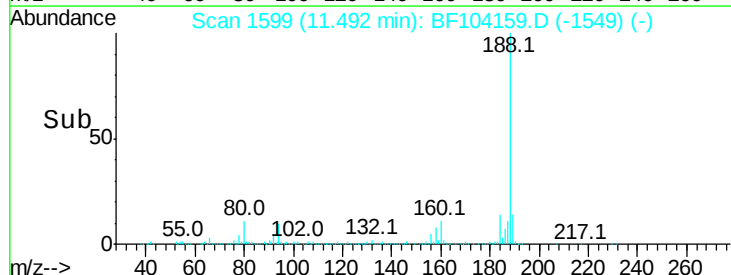
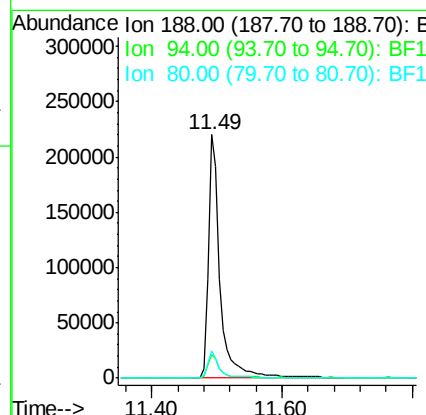
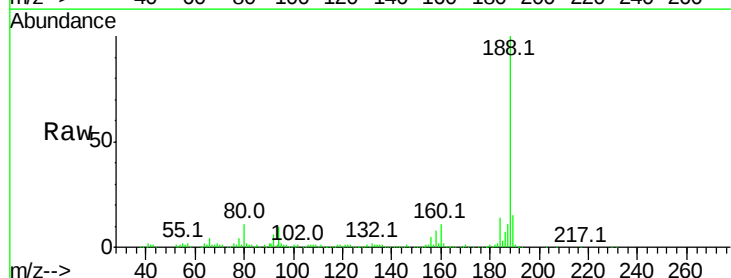
Instrument :
BNA_F
ClientSampleId :

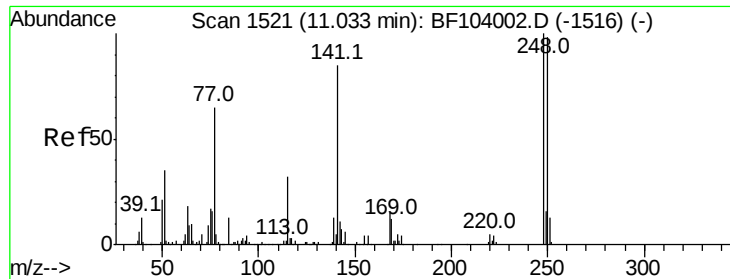
Tot Ion	Ratio	Lower	Upper
149	100		
177	21.6	16.1	24.1
150	12.4	10.1	15.1



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104159.D
Acq: 3 Apr 2018 4:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	11.5	9.2	13.8

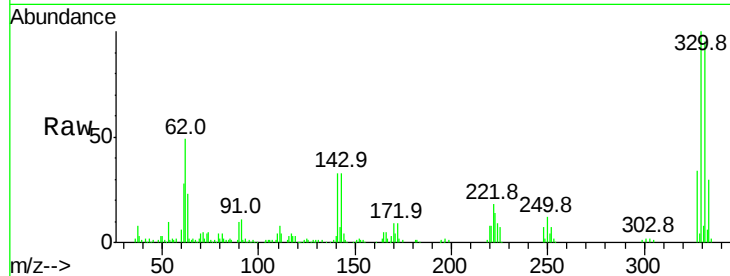




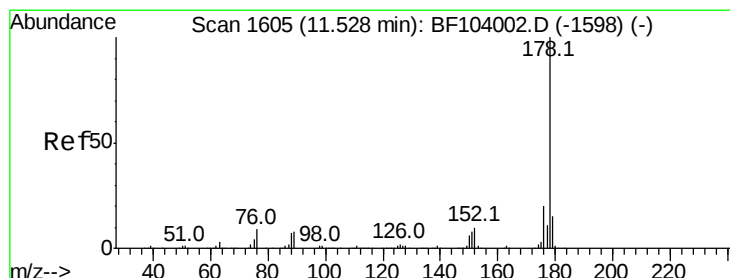
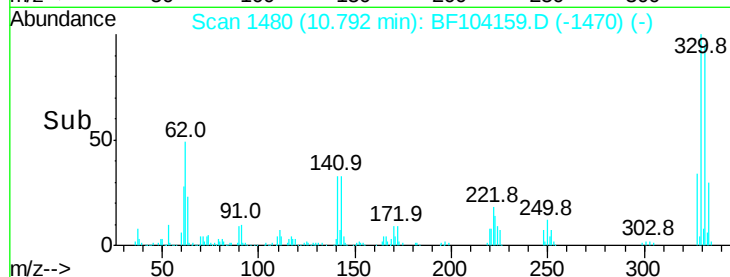
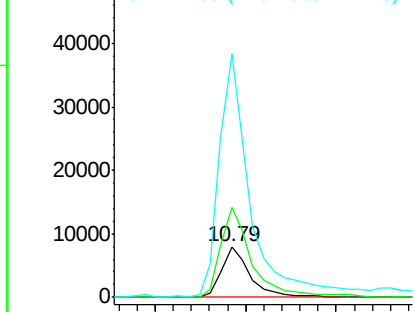
#66
 4-Bromophenyl-phenylether
 Concen: 2.969 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.24 min
 Lab File: BF104159.D
 Acq: 3 Apr 2018 4:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8687
 Ion Ratio Lower Upper
 248 100
 250 179.6 76.9 115.3#
 141 483.0 74.4 111.6#

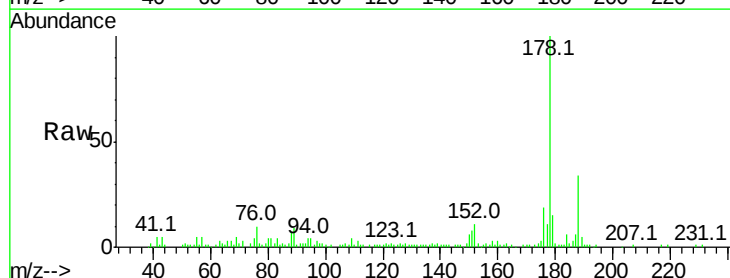


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

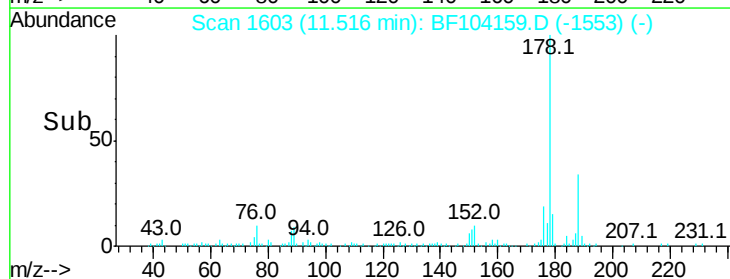
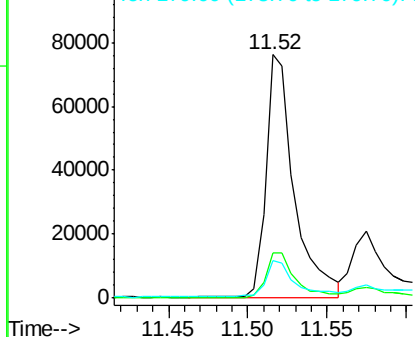


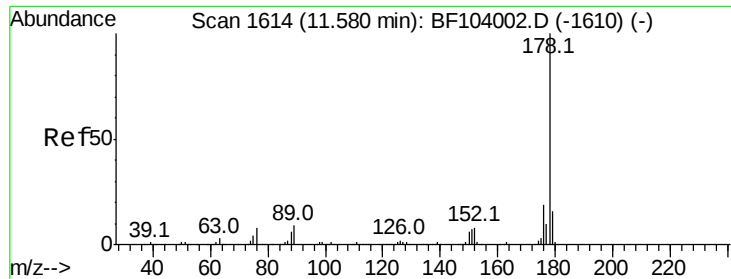
#70
 Phenanthrene
 Concen: 6.477 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF104159.D
 Acq: 3 Apr 2018 4:24

Tgt Ion:178 Resp: 95899
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 15.3 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

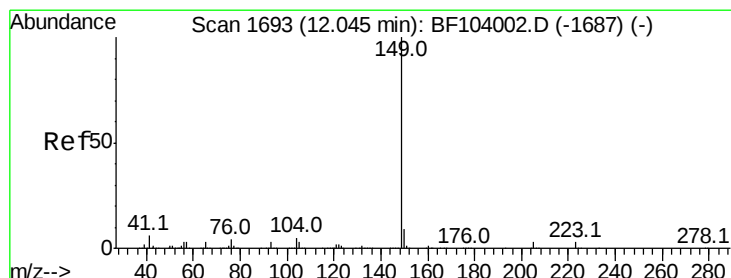
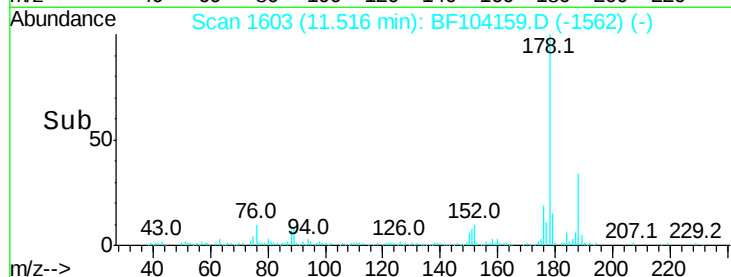
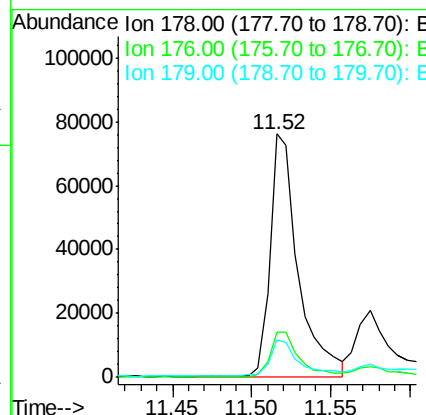
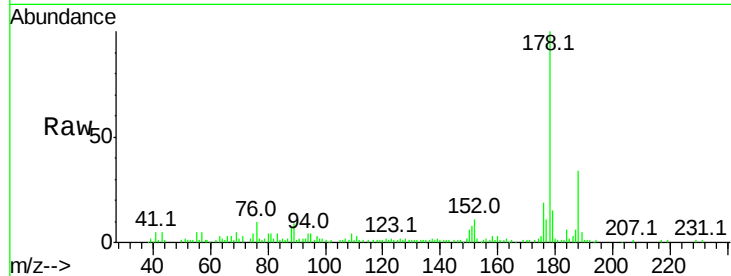




#71
 Anthracene
 Concen: 6.200 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.06 min
 Lab File: BF104159.D
 Acq: 3 Apr 2018 4:24

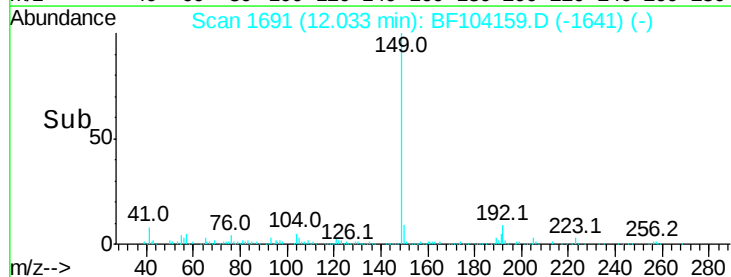
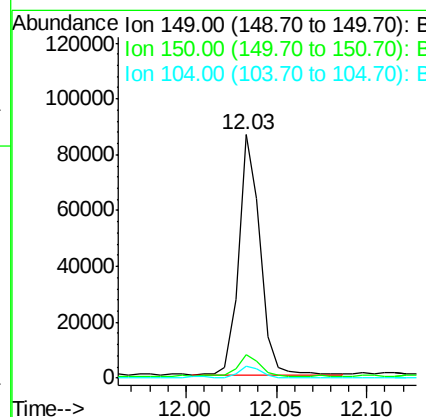
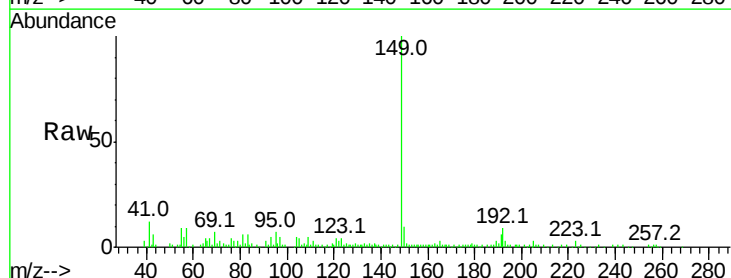
Instrument :
 BNA_F
 ClientSampleId :

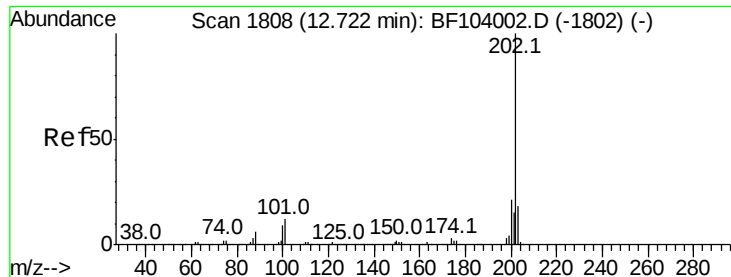
Tot Ion:178 Resp: 95899
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.3 12.6 19.0



#73
 Di-n-butylphthalate
 Concen: 4.000 ng
 RT: 12.03 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BF104159.D
 Acq: 3 Apr 2018 4:24

Tgt Ion:149 Resp: 70338
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.8 11.6
 104 5.2 3.8 5.8





#74

Fluoranthene

Concen: 10.300 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF104159.D

Acq: 3 Apr 2018 4:24

Instrument :

BNA_F

ClientSampleId :

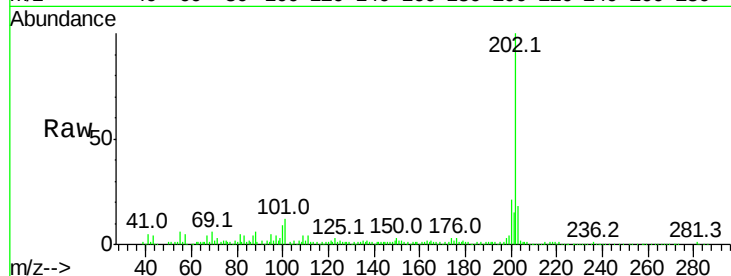
Tot Ion:202 Resp: 162118

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

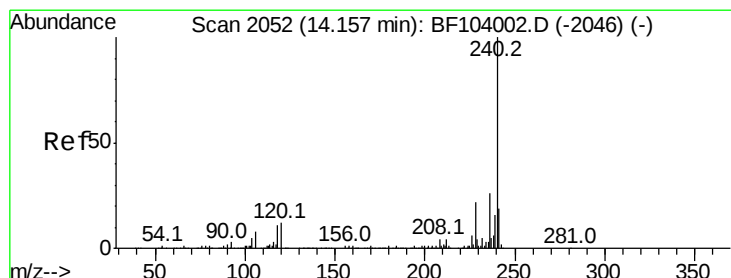
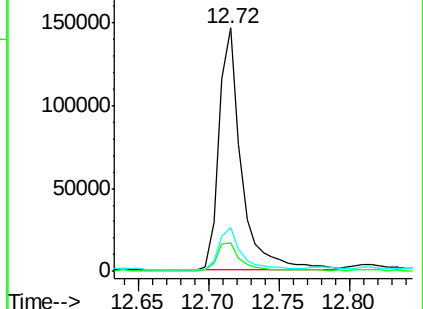
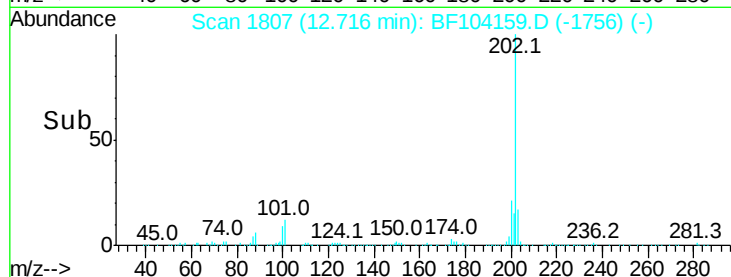
203 17.8 0.0 38.1



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: BF104159.D

Acq: 3 Apr 2018 4:24

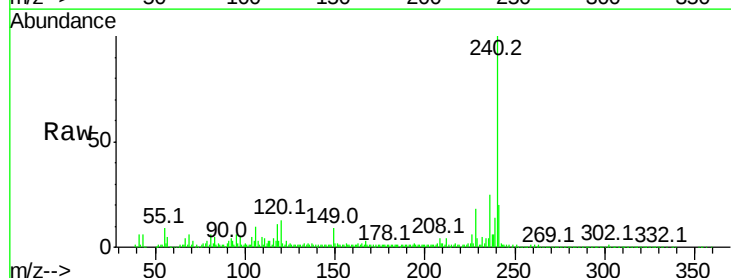
Tgt Ion:240 Resp: 219419

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

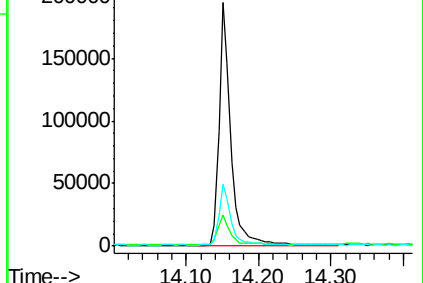
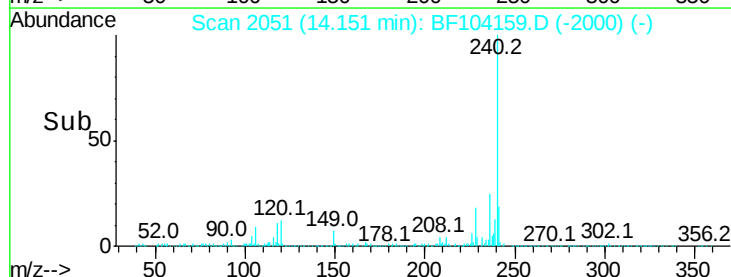
236 25.2 20.7 31.1

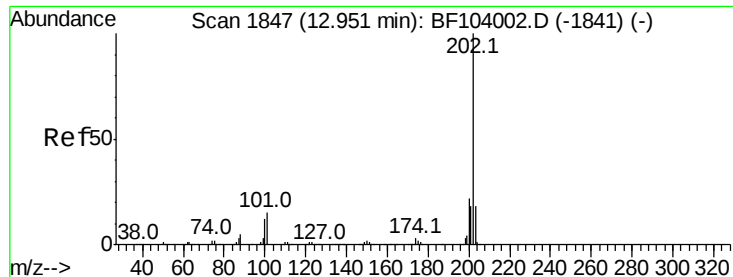


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

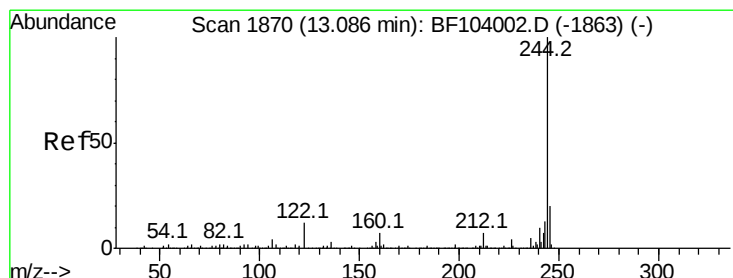
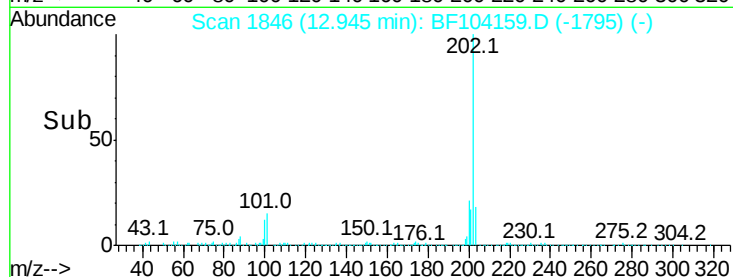
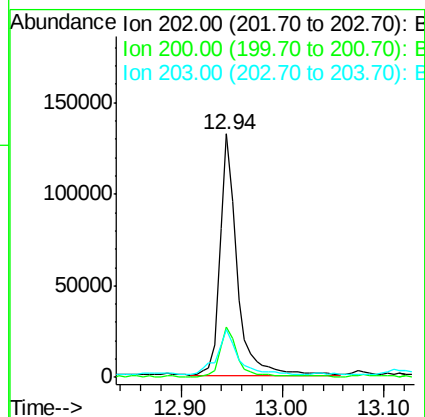
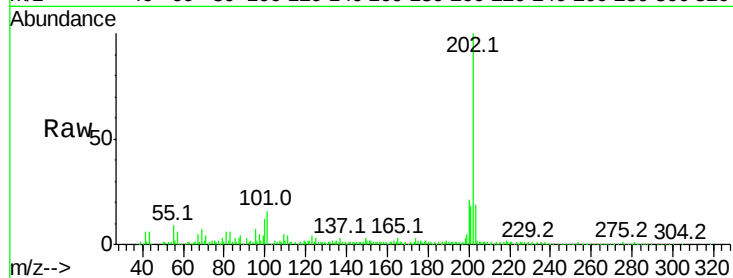




#77
Pvrene
Concen: 9.817 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.00 min
Lab File: BF104159.D
Acq: 3 Apr 2018 4:24

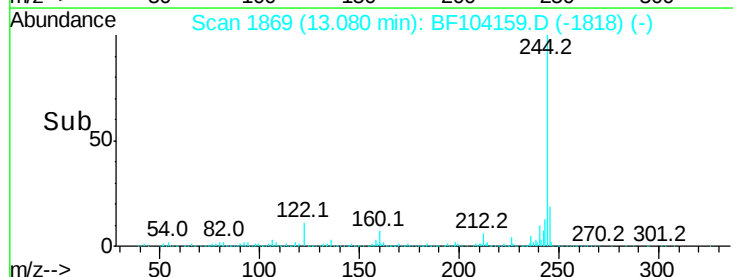
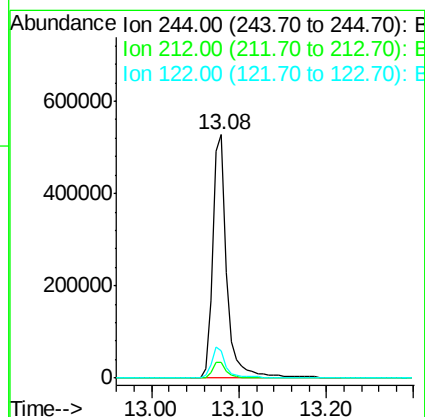
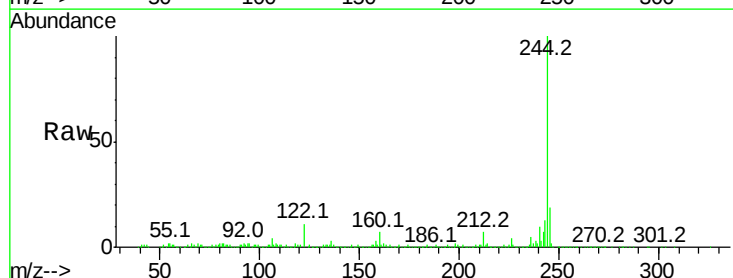
Instrument :
BNA_F
ClientSampleId :

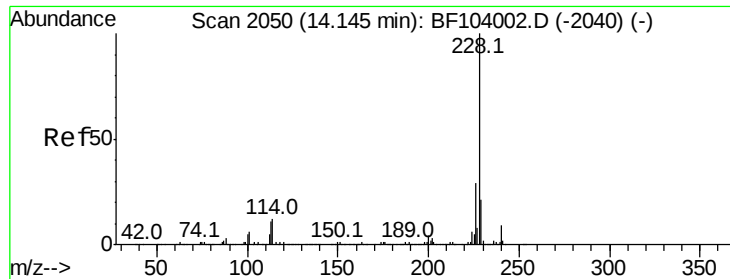
Tot Ion:202 Resp: 154852
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 19.4 14.3 21.5



#78
Terphenyl-d14
Concen: 62.538 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BF104159.D
Acq: 3 Apr 2018 4:24

Tgt Ion:244 Resp: 594296
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 11.1 11.0 16.4





#80

Benzo(a)anthracene

Concen: 6.313 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.01 min

Lab File: BF104159.D

Acq: 3 Apr 2018 4:24

Instrument :

BNA_F

ClientSampleId :

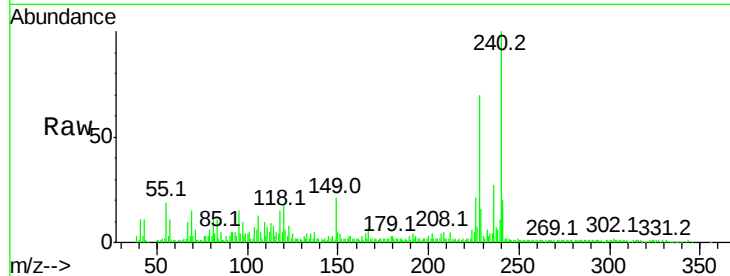
Tot Ion:228 Resp: 86678

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

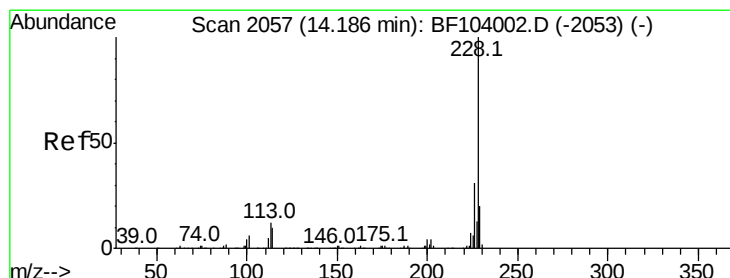
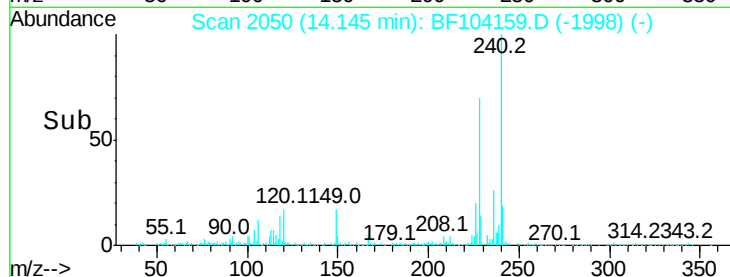
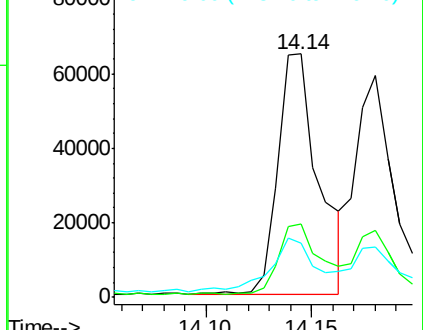
229 22.5 15.8 23.6



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: 5.812 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BF104159.D

Acq: 3 Apr 2018 4:24

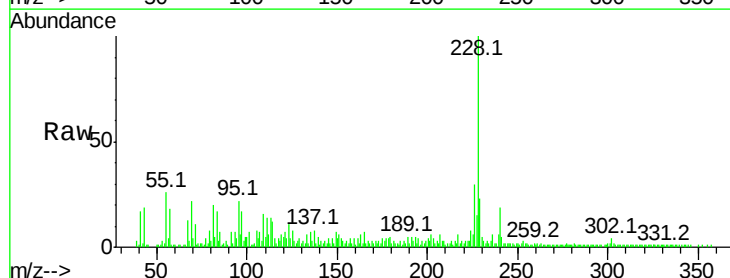
Tgt Ion:228 Resp: 78159

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

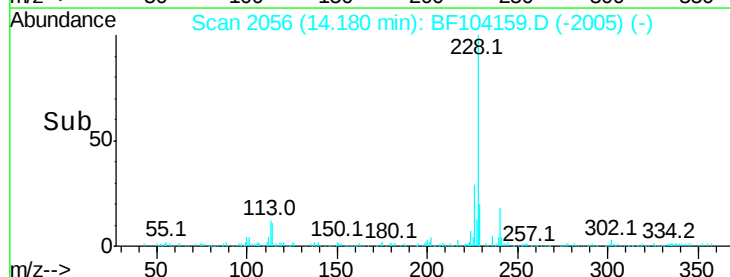
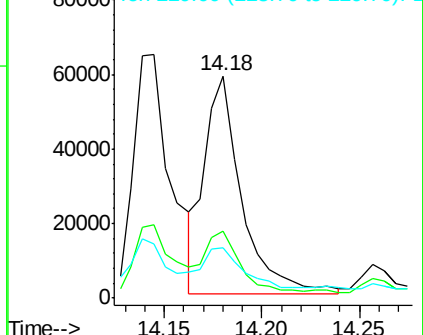
229 22.8 16.2 24.4

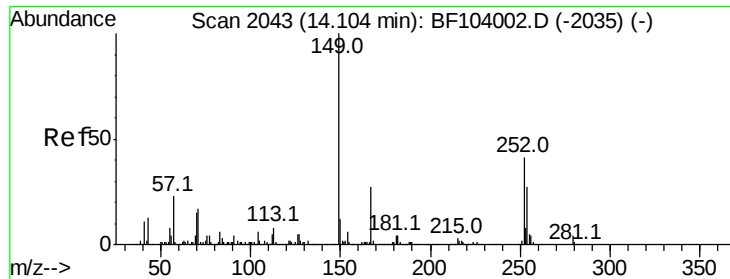


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

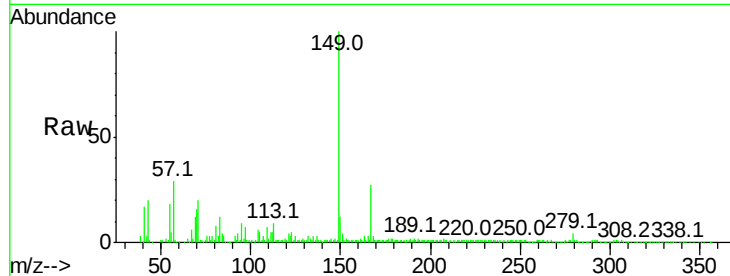




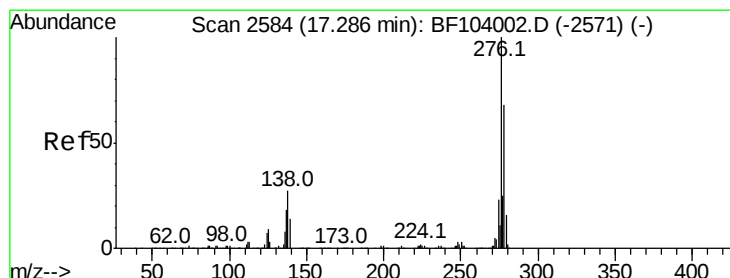
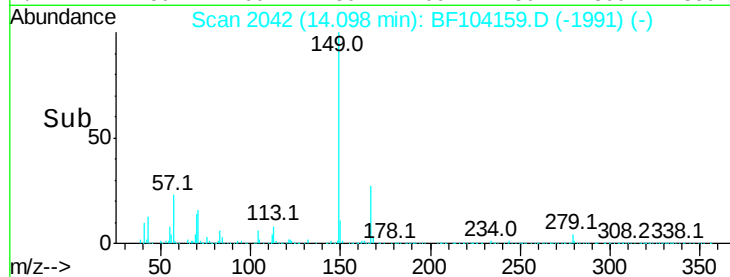
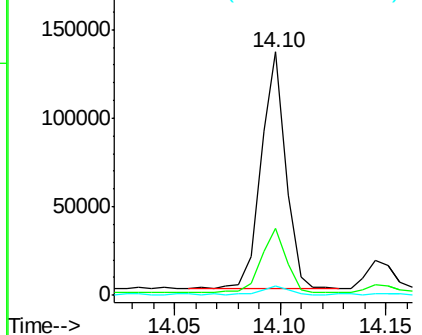
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 11.264 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.00 min
 Lab File: BF104159.D
 Acq: 3 Apr 2018 4:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 108151
 Ion Ratio Lower Upper
 149 100
 167 27.4 21.3 31.9
 279 3.9 3.0 4.4

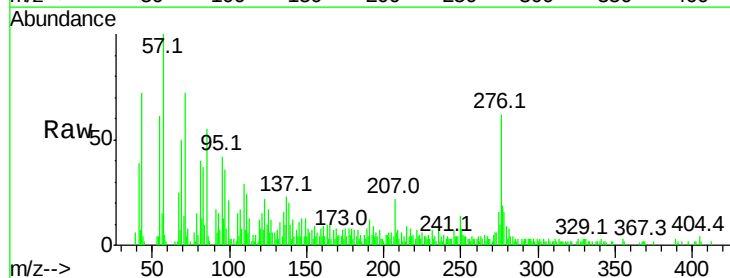


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

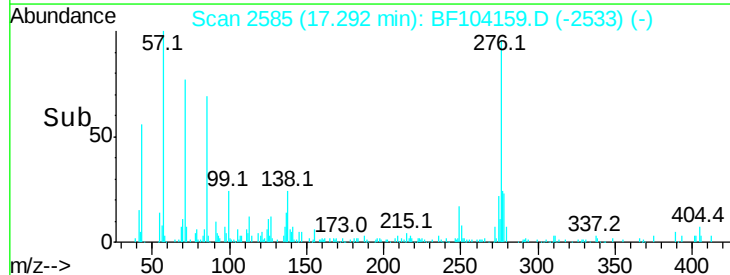
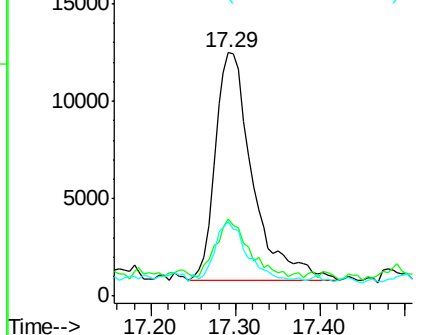


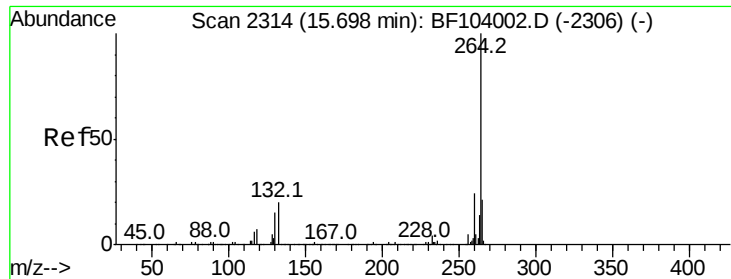
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.604 ng
 RT: 17.29 min Scan# 2585
 Delta R.T. 0.01 min
 Lab File: BF104159.D
 Acq: 3 Apr 2018 4:24

Tgt Ion:276 Resp: 36293
 Ion Ratio Lower Upper
 276 100
 138 21.5 25.0 37.6#
 277 22.8 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



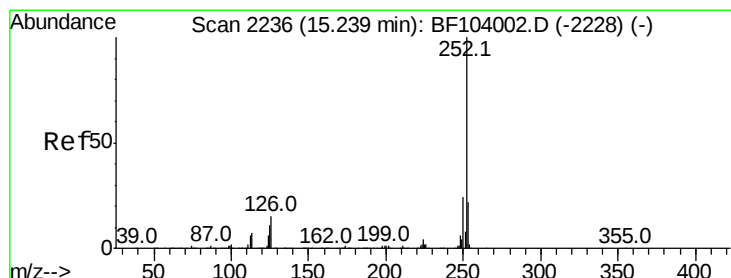
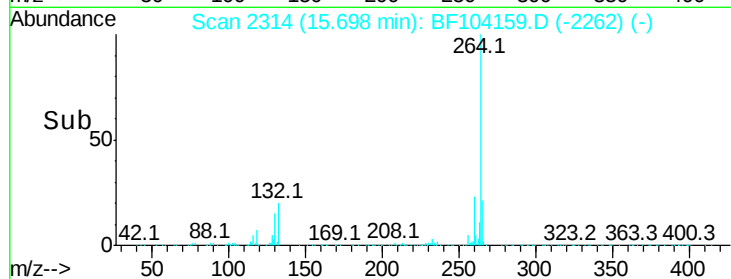
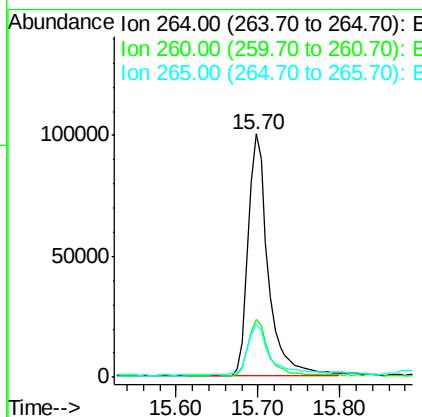
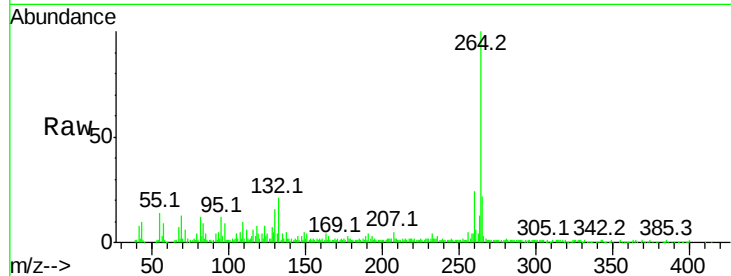


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BF104159.D
Acq: 3 Apr 2018 4:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 173040

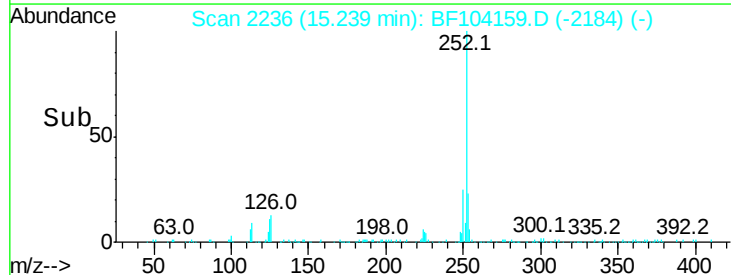
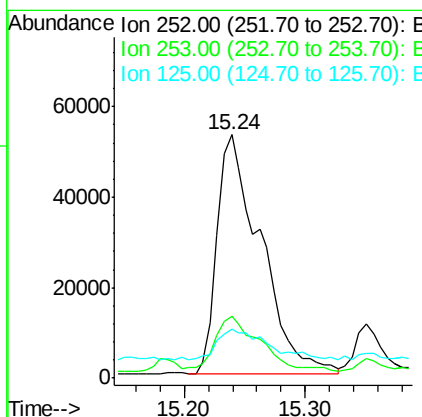
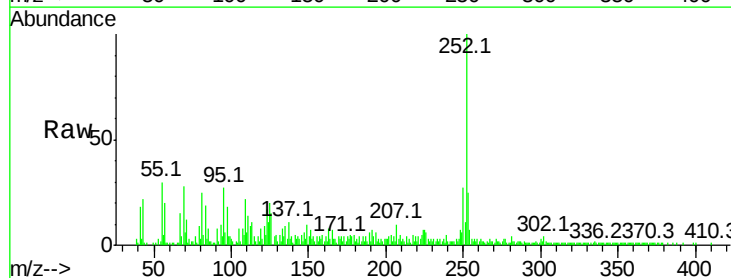
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.5	17.5	26.3

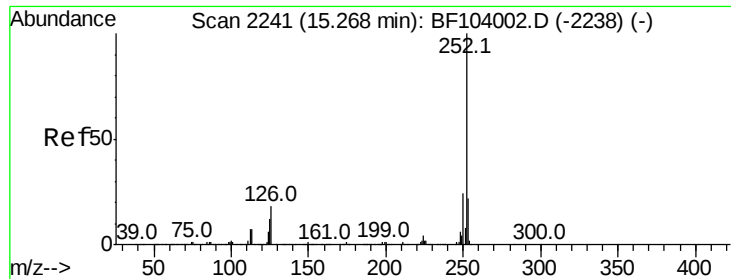


#87
Benzo(b)fluoranthene
Concen: 12.581 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF104159.D
Acq: 3 Apr 2018 4:24

Tgt Ion:252 Resp: 132492

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.6
125	20.1	9.0	13.6

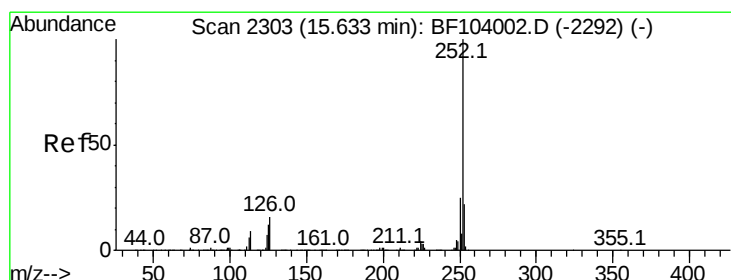
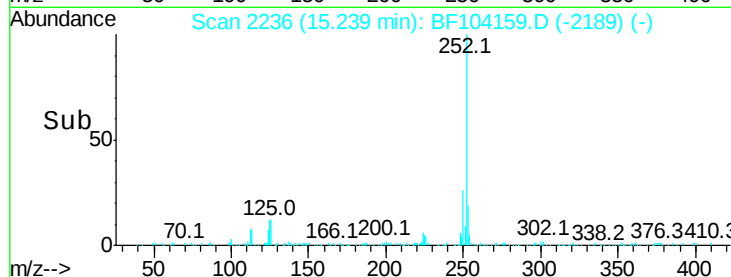
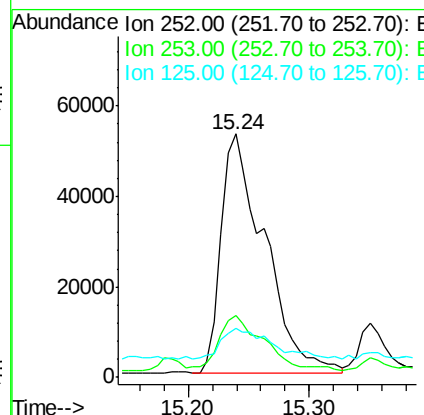
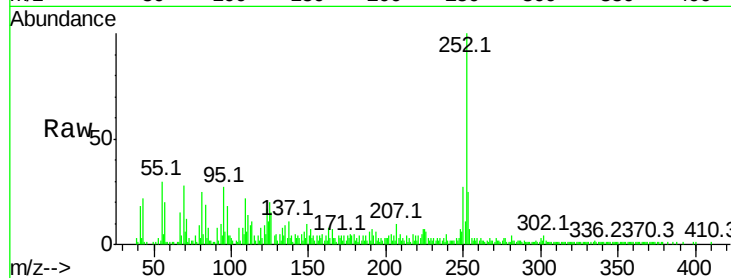




#88
Benzo(k)fluoranthene
Concen: 13.356 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF104159.D
Acq: 3 Apr 2018 4:24

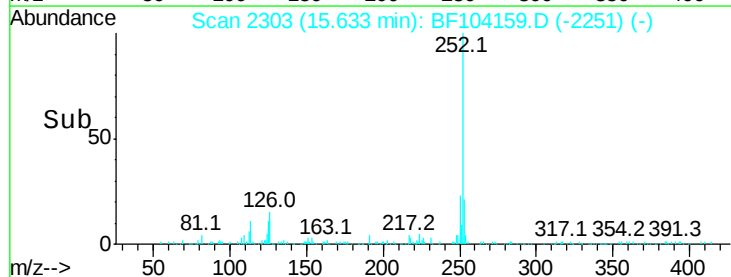
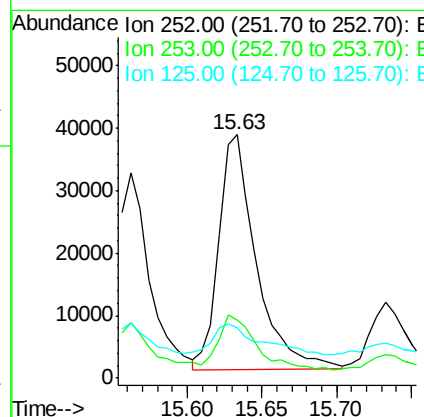
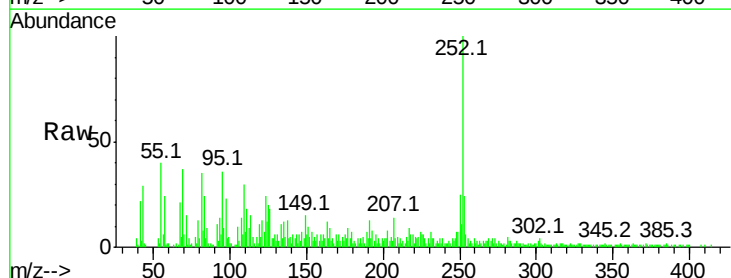
Instrument :
BNA_F
ClientSampleId :

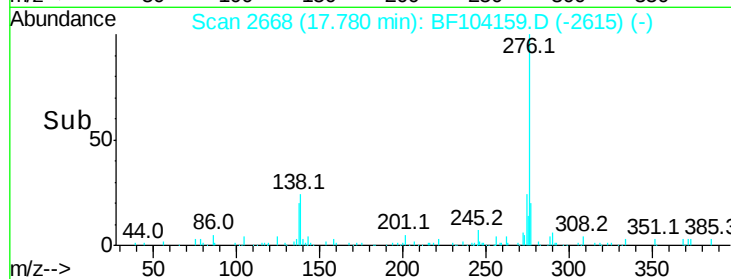
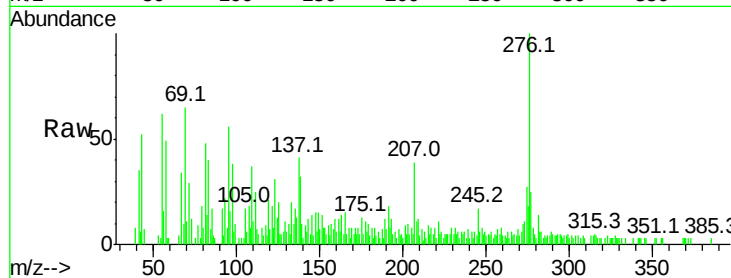
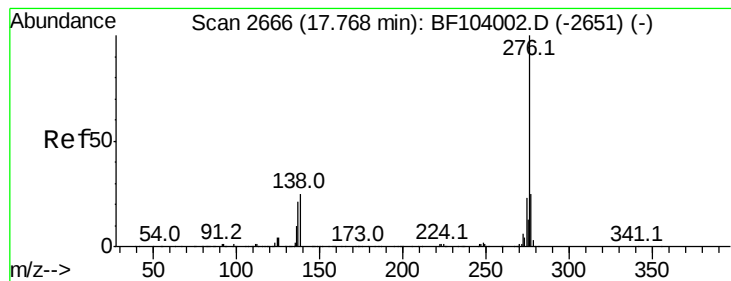
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	20.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 6.797 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BF104159.D
Acq: 3 Apr 2018 4:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	20.5	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 3.983 ng

RT: 17.78 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BF104159.D

Acq: 3 Apr 2018 4:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 35992

Ion Ratio Lower Upper

276 100

277 25.1 17.9 26.9

138 31.7 21.8 32.8

