

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104019.D
 Acq On : 28 Mar 2018 19:23
 Operator : JU/SJ
 Sample : J2100-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 01:52:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	131846	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	523761	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	224016	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	338485	20.00	ng	0.00
75) Chrysene-d12	14.15	240	258117	20.00	ng	0.00
86) Perylene-d12	15.70	264	240412	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	657502	79.53	ng	0.00
7) Phenol-d6	6.60	99	927076	91.14	ng	0.00
23) Nitrobenzene-d5	7.53	82	581263	67.87	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	176792	70.87	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	926045	65.19	ng	0.00
78) Terphenyl-d14	13.08	244	612572	54.80	ng	0.00

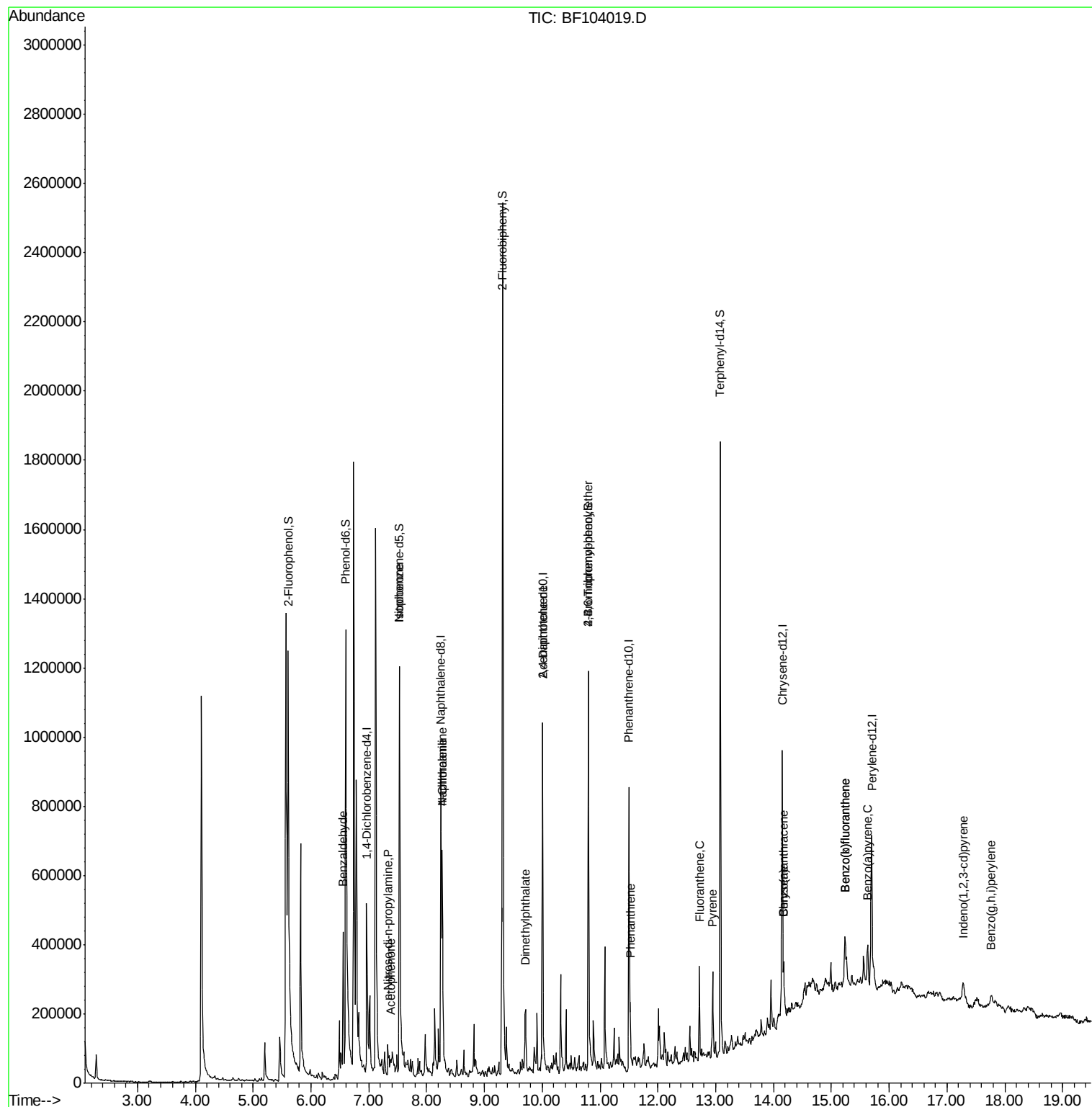
Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	32562	4.401	ng	# 1
19) n-Nitroso-di-n-propylamine	7.33	70	12502	2.071	ng	# 67
22) Acetophenone	7.37	105	30765	2.428	ng	# 97
25) Isophorone	7.53	82	581263	36.827	ng	# 64
31) Naphthalene	8.27	128	323609	12.647	ng	# 99
33) 4-Chloroaniline	8.27	127	42153	3.908	ng	# 33
49) Dimethylphthalate	9.71	163	83762	4.736	ng	# 100
56) 2,4-Dinitrotoluene	10.00	165	31368	6.460	ng	# 24
66) 4-Bromophenyl-phenylether	10.80	248	10625	2.934	ng	# 1
70) Phenanthrene	11.52	178	60068	3.278	ng	# 98
74) Fluoranthene	12.72	202	110786	5.687	ng	# 97
77) Pvrene	12.95	202	110774	5.970	ng	# 98
80) Benzo(a)anthracene	14.18	228	71759	4.443	ng	# 94
82) Chrysene	14.18	228	71759	4.536	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.28	276	34626	2.112	ng	# 89
87) Benzo(b)fluoranthene	15.23	252	114693	7.839	ng	# 94
88) Benzo(k)fluoranthene	15.23	252	114693	8.322	ng	# 97
89) Benzo(a)pyrene	15.63	252	62976	4.645	ng	# 93
91) Benzo(a,h,i)perylene	17.77	276	35446	2.823	ng	# 92

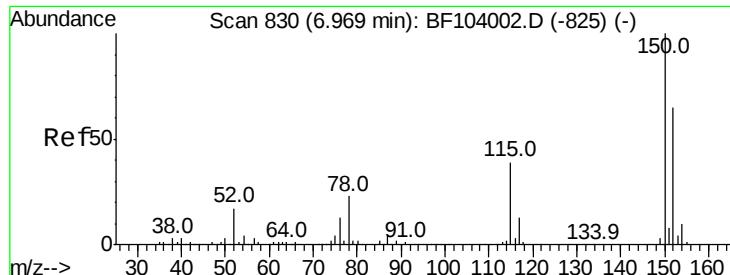
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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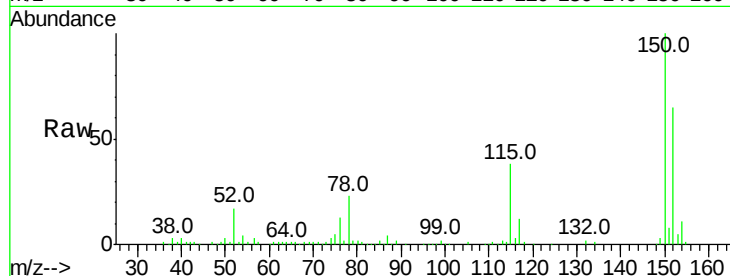


#1

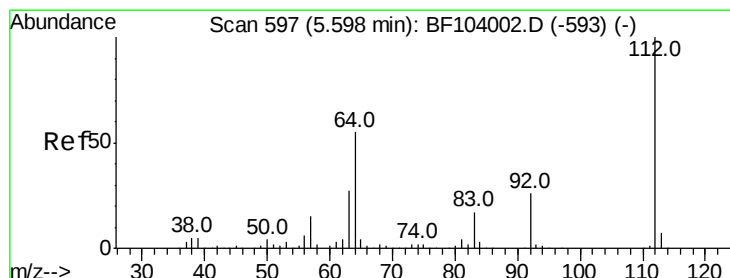
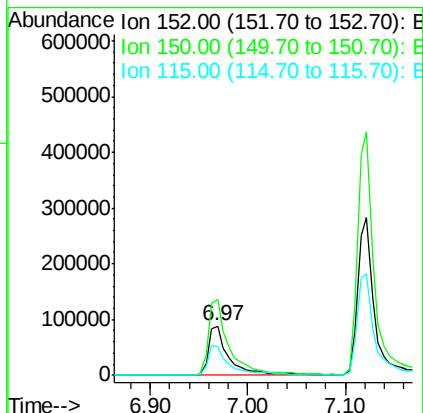
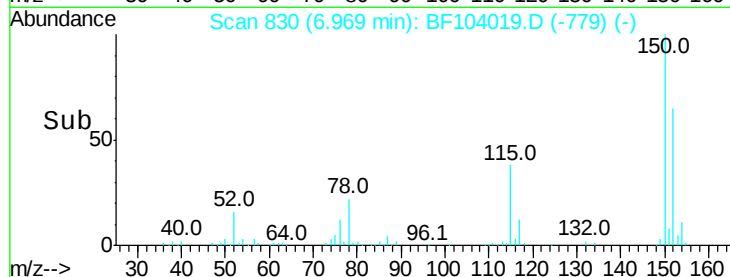
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131846
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 58.0 50.1 75.1



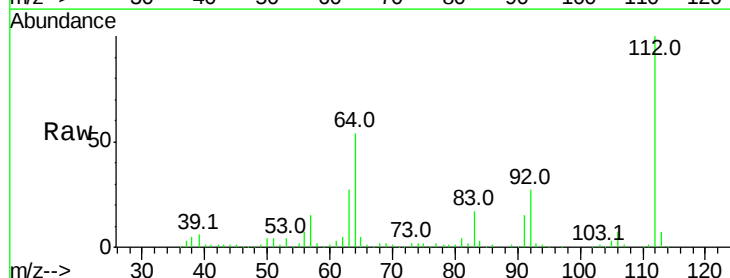
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



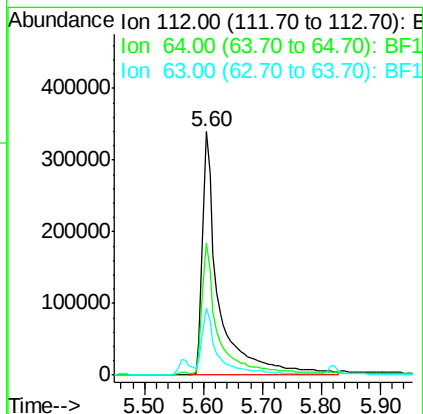
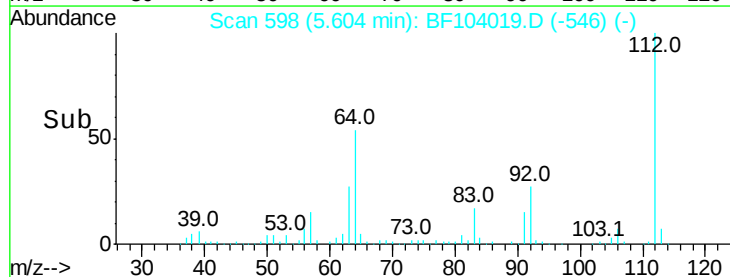
#5

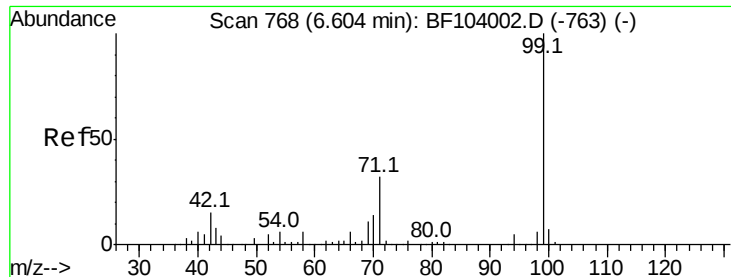
2-Fluorophenol
Concen: 79.528 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Tgt Ion:112 Resp: 657502
Ion Ratio Lower Upper
112 100
64 54.4 47.9 71.9
63 27.4 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: 91.144 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Instrument :

BNA_F

ClientSampleId :

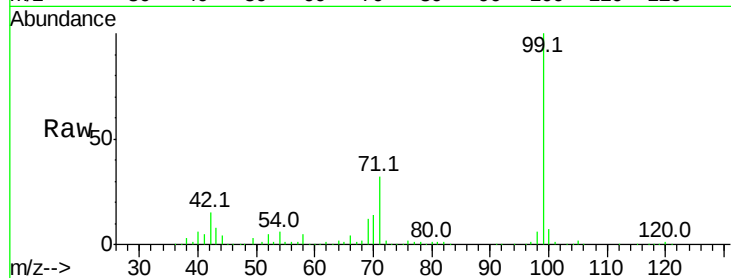
Tot Ion: 99 Resp: 927076

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

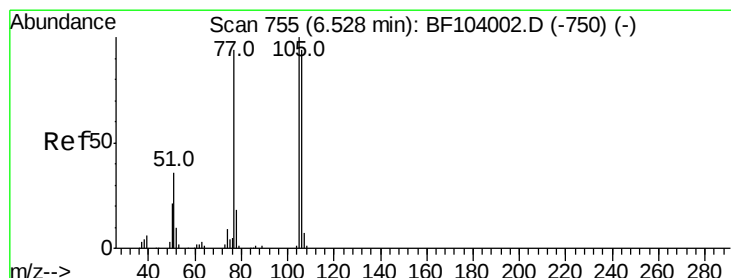
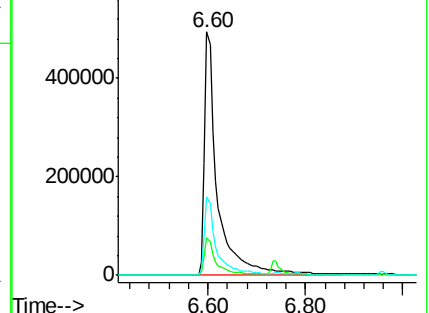
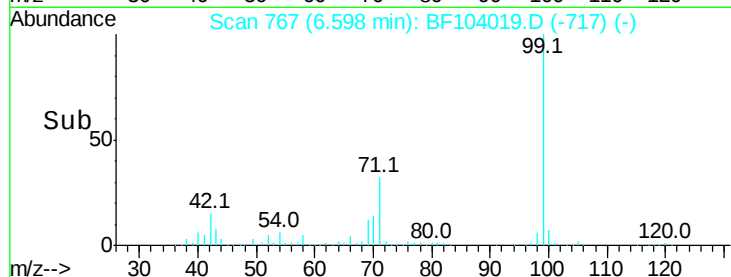
71 32.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 4.401 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.03 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

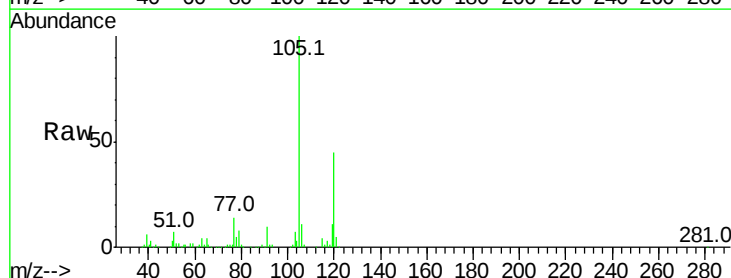
Tgt Ion: 77 Resp: 32562

Ion Ratio Lower Upper

77 100

105 710.5 81.1 121.1#

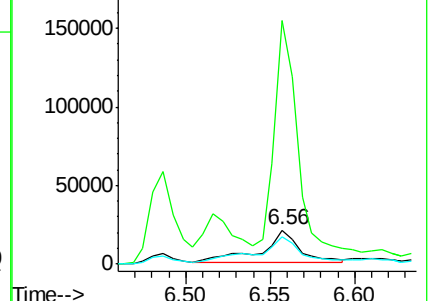
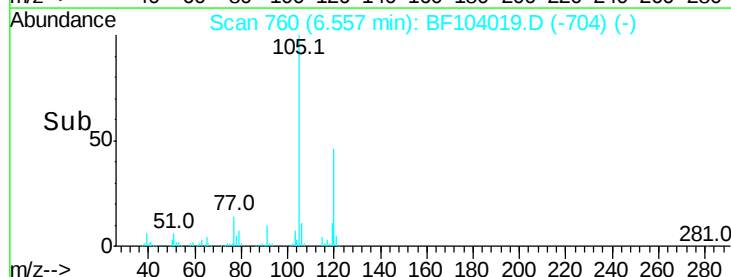
106 79.8 74.5 114.5

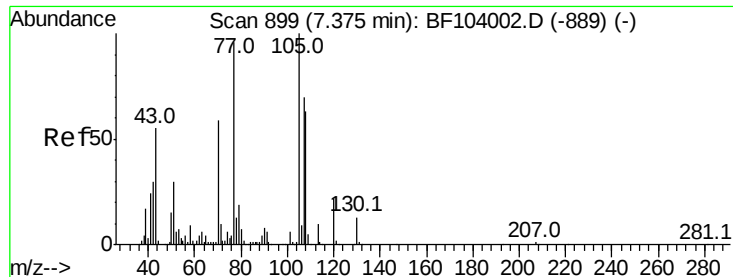


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 2.071 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.05 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 12502

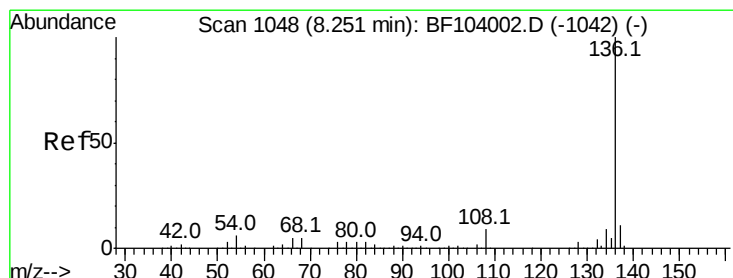
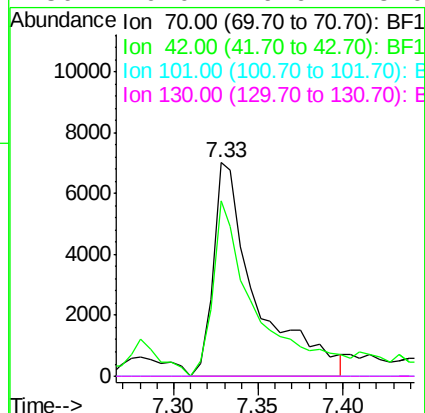
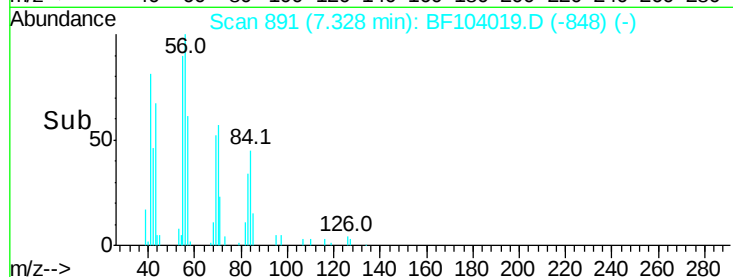
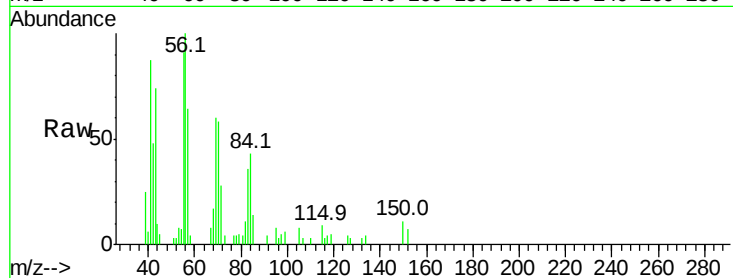
Ion Ratio Lower Upper

70 100

42 81.9 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Tgt Ion:136 Resp: 523761

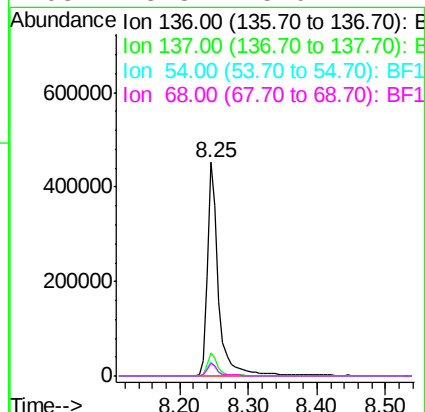
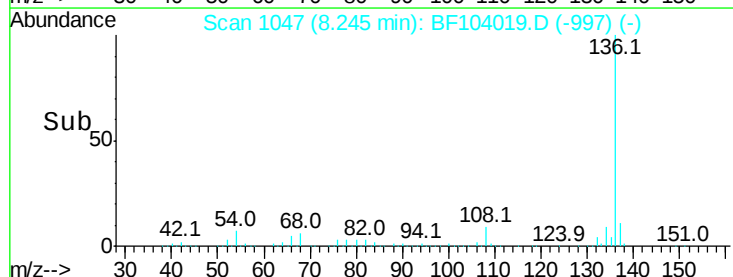
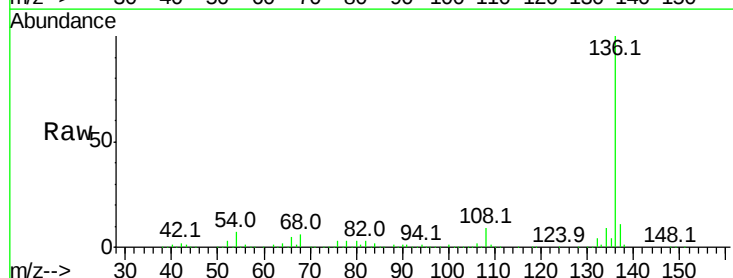
Ion Ratio Lower Upper

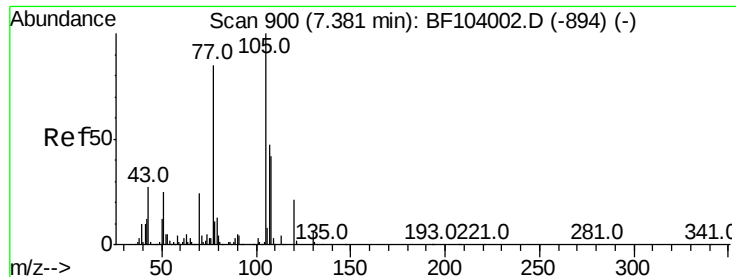
136 100

137 11.0 8.9 13.3

54 6.7 6.6 9.8

68 5.8 5.0 7.4





#22

Acetophenone

Concen: 2.428 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104019.D

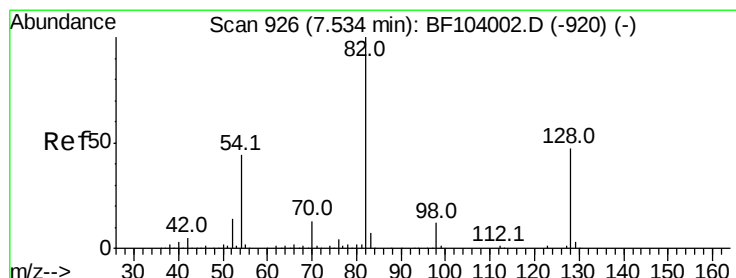
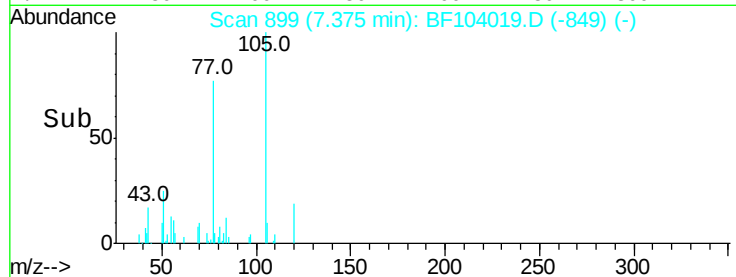
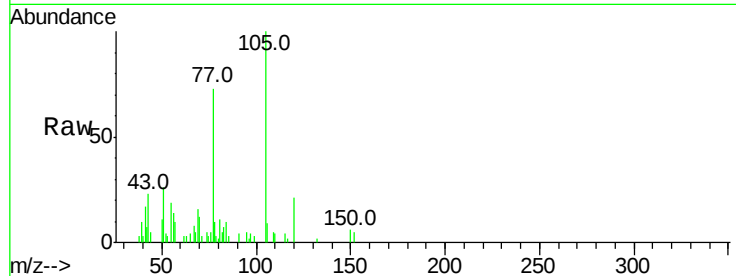
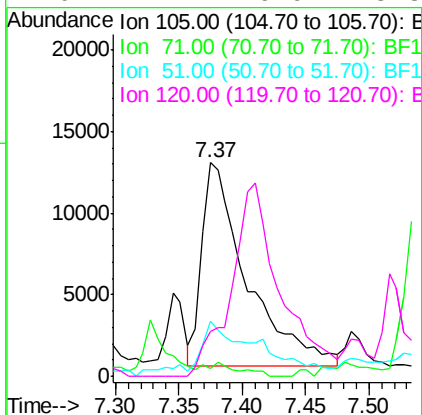
Acq: 28 Mar 2018 19:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	105	Resp:	30765
Ion	Ratio	Lower	Upper
105	100		
71	3.4	4.4	6.6#
51	25.8	22.3	33.5
120	21.1	16.9	25.3



#23

Nitrobenzene-d5

Concen: 67.870 ng

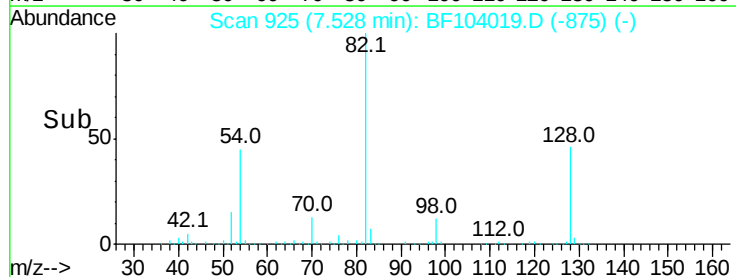
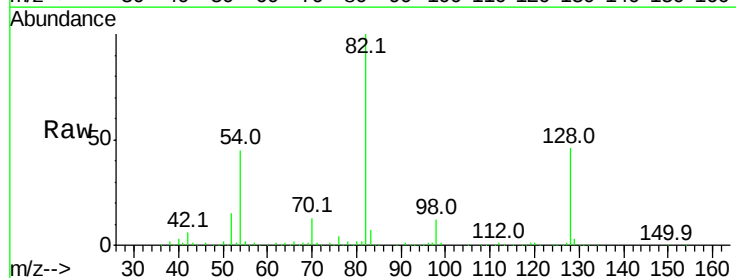
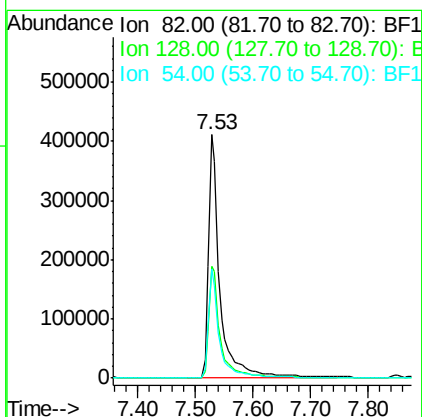
RT: 7.53 min Scan# 925

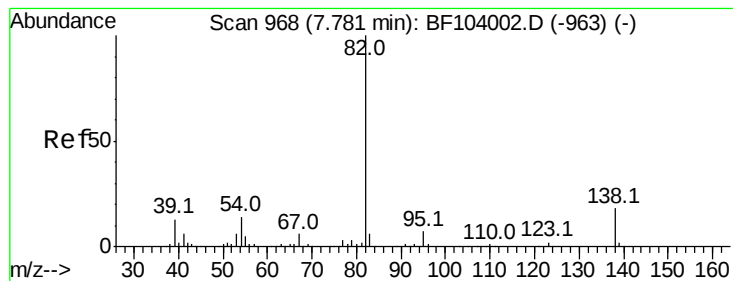
Delta R.T. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Tgt Ion:	82	Resp:	581263
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	44.7	41.4	62.2





#25

Isophorone

Concen: 36.827 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.25 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Instrument :

BNA_F

ClientSampleId :

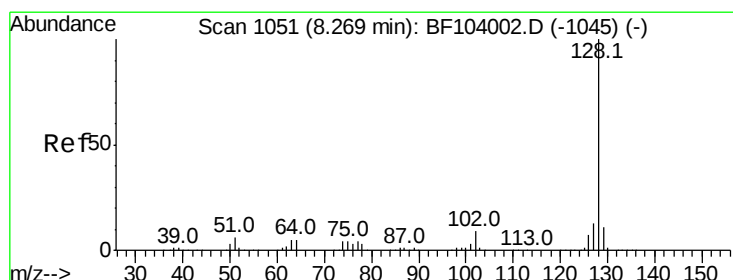
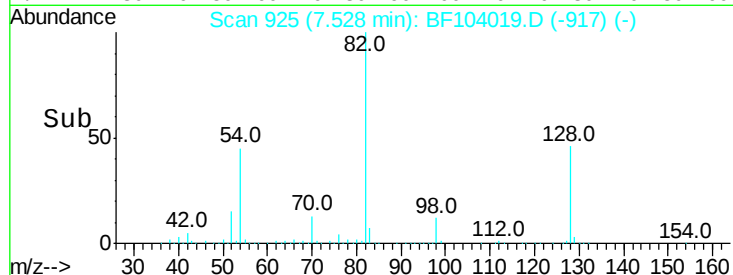
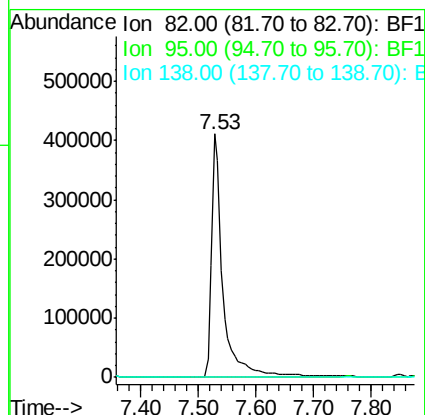
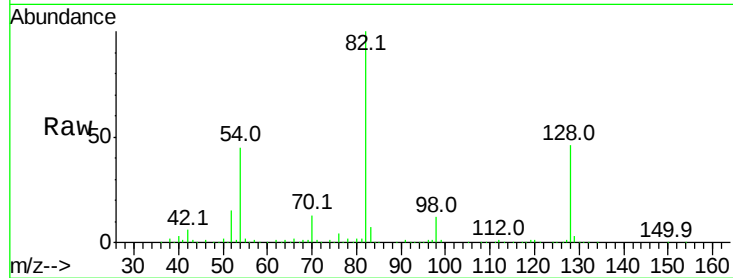
Tot Ion: 82 Resp: 581263

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 12.647 ng

RT: 8.27 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

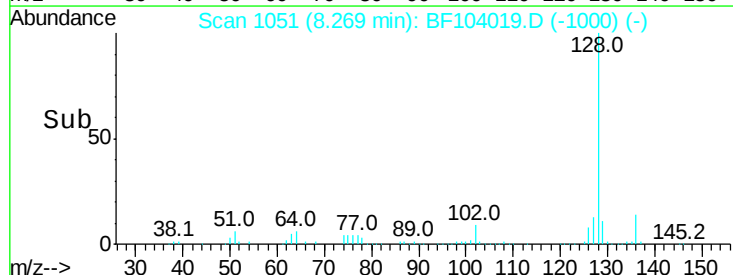
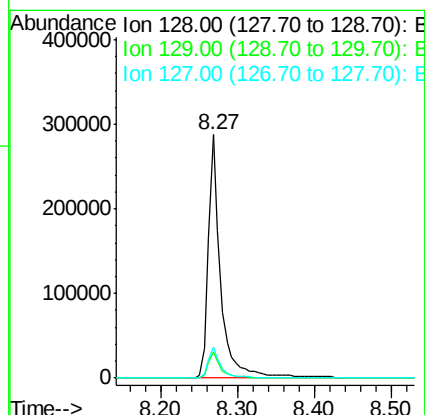
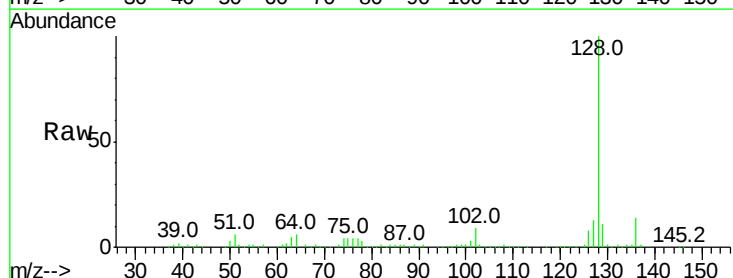
Tgt Ion: 128 Resp: 323609

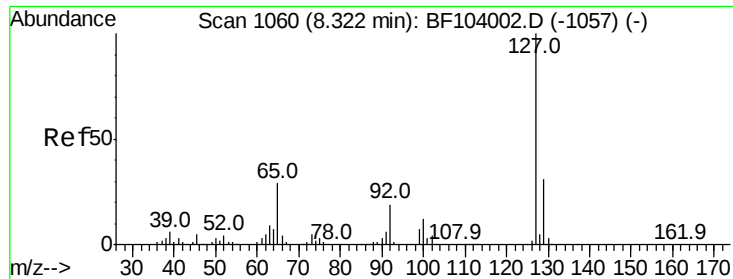
Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 13.0 10.9 16.3

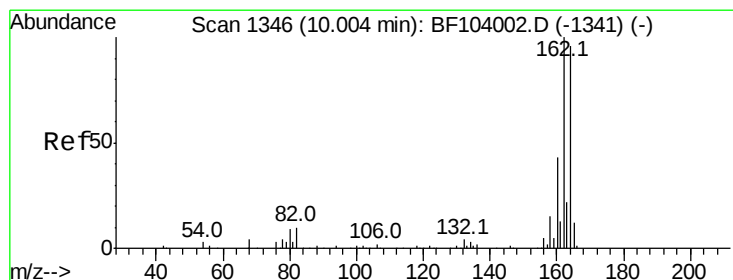
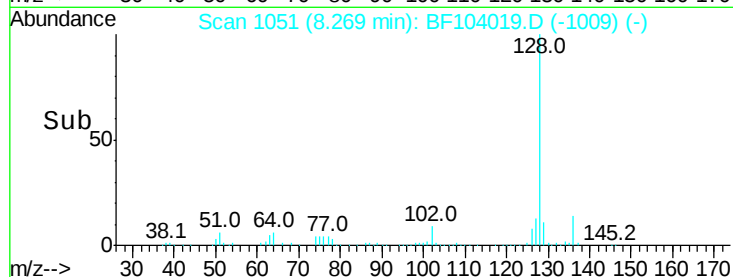
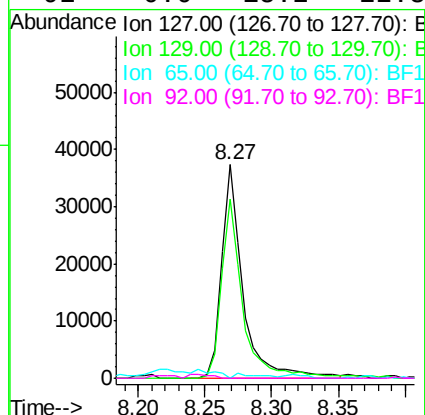
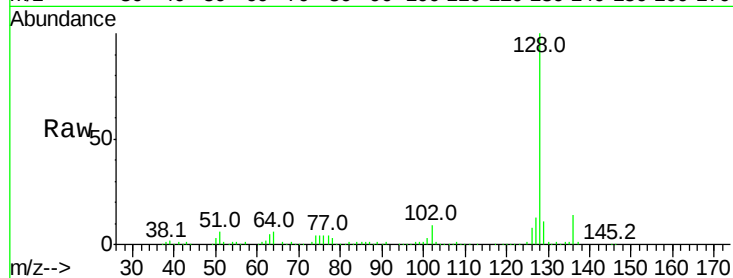




#33
4-Chloroaniline
Concen: 3.908 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.05 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

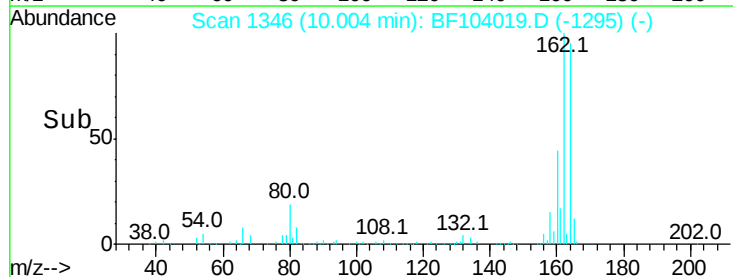
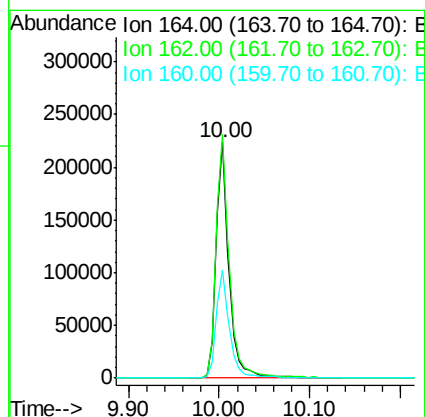
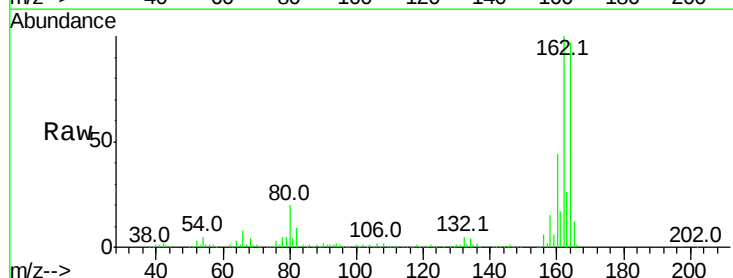
Instrument :
BNA_F
ClientSampleId :

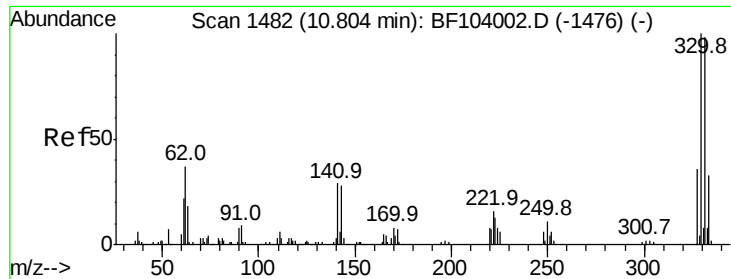
Tot Ion:127 Resp: 42153
Ion Ratio Lower Upper
127 100
129 84.1 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Tgt Ion:164 Resp: 224016
Ion Ratio Lower Upper
164 100
162 103.3 86.1 129.1
160 45.7 38.3 57.5

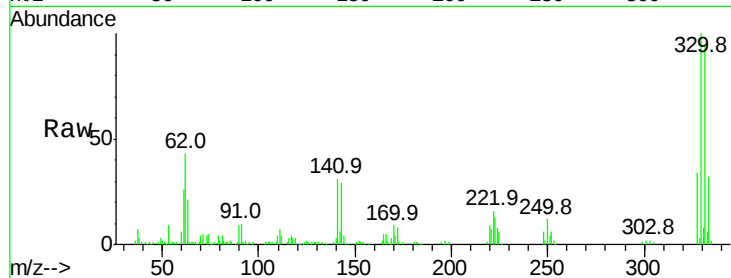




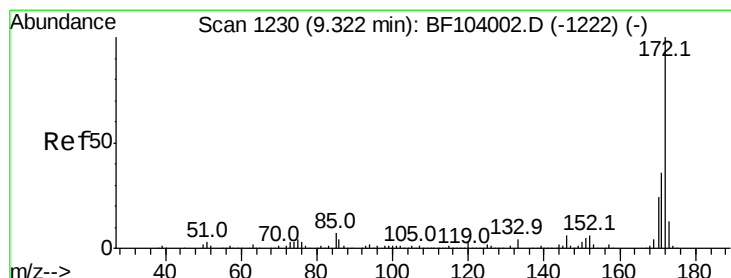
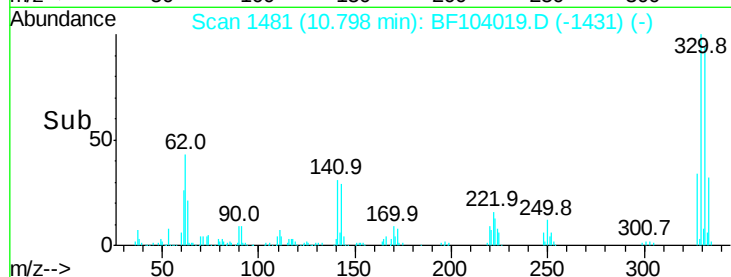
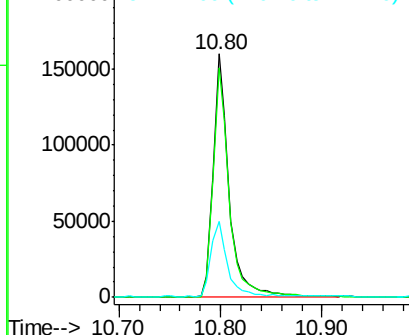
#41
 2,4,6-Tribromophenol
 Concen: 70.875 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104019.D
 Acq: 28 Mar 2018 19:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 176792
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 31.1 29.9 44.9

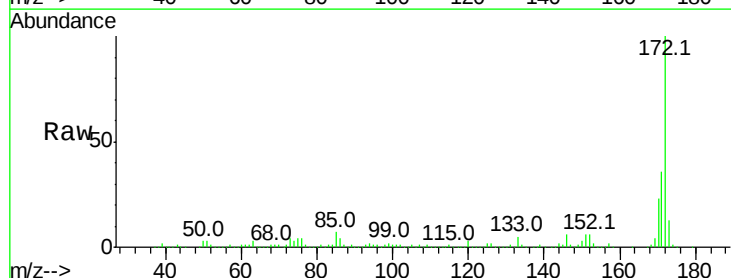


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

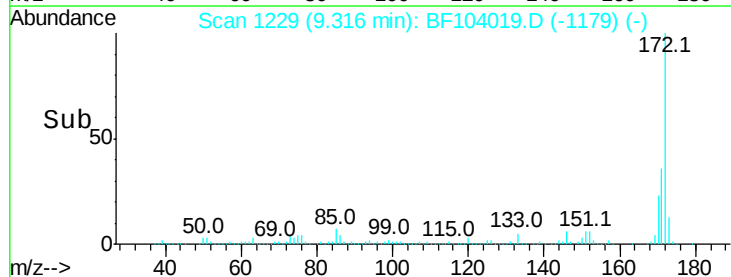
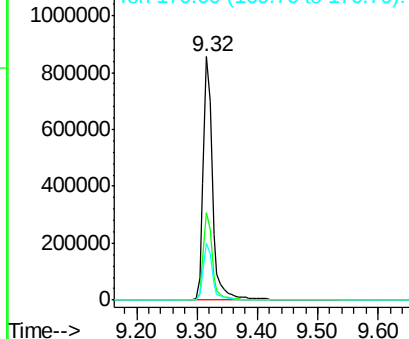


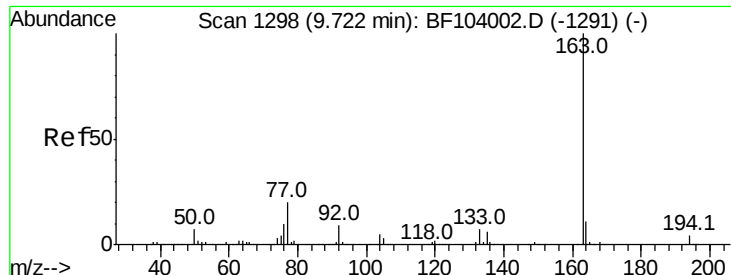
#44
 2-Fluorobiphenyl
 Concen: 65.187 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104019.D
 Acq: 28 Mar 2018 19:23

Tgt Ion:172 Resp: 926045
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.4 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: 4.736 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Instrument :

BNA_F

ClientSampleId :

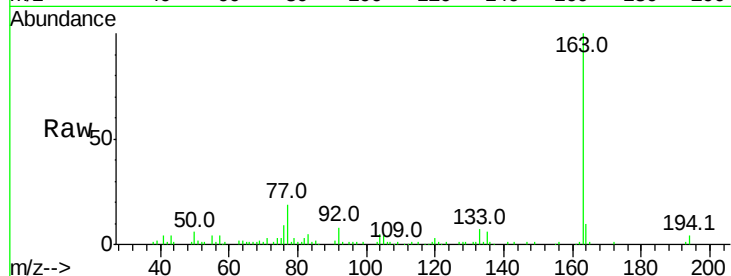
Tot Ion:163 Resp: 83762

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

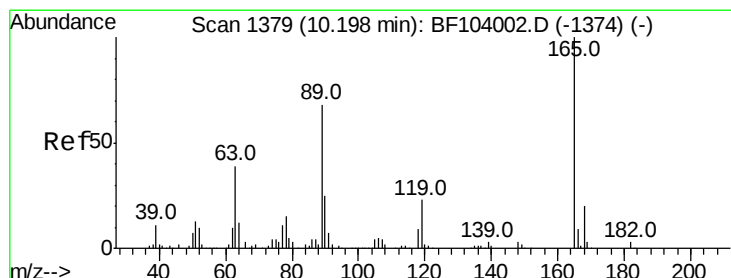
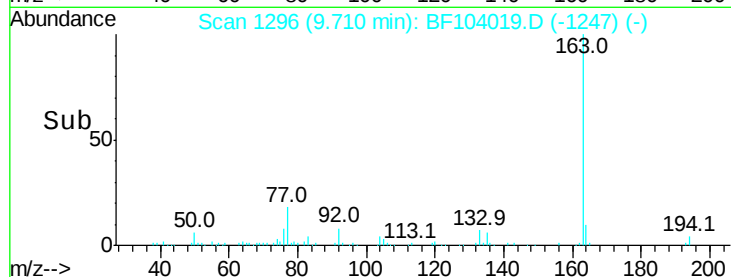
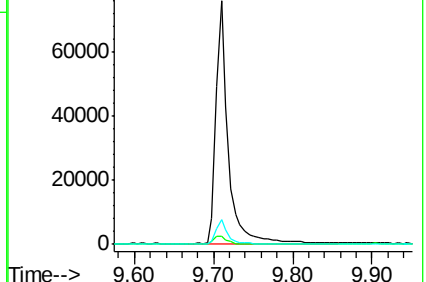
164 10.3 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.460 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.19 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Tgt Ion:165 Resp: 31368

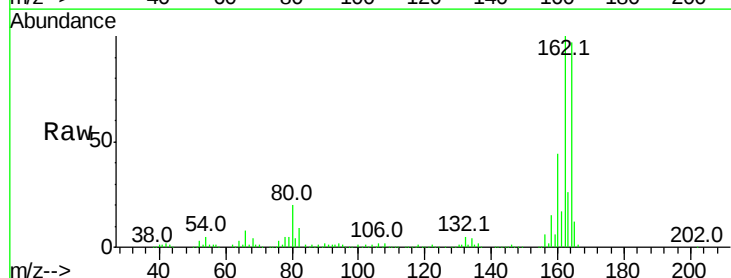
Ion Ratio Lower Upper

165 100

63 1.8 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

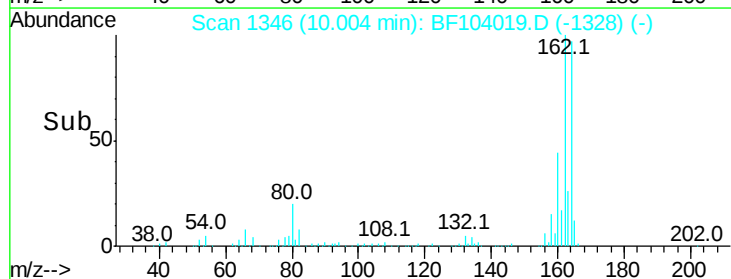
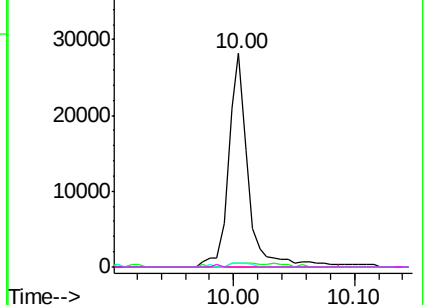


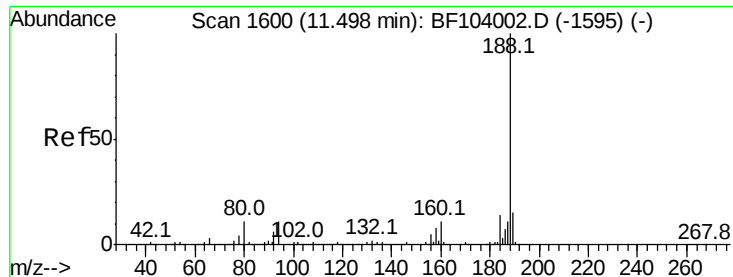
Abundance Ion 165.00 (164.70 to 165.70): E

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

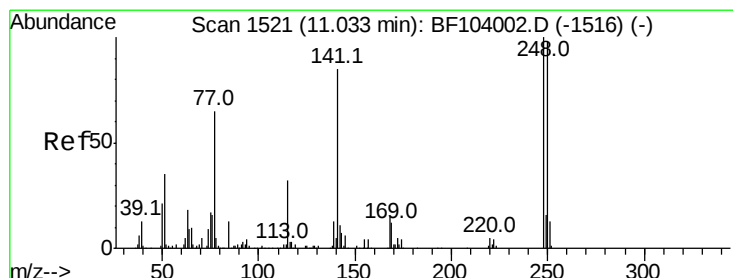
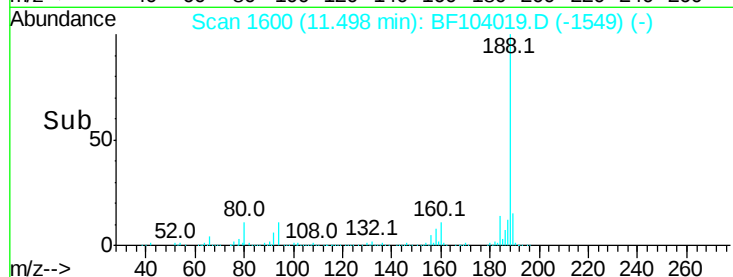
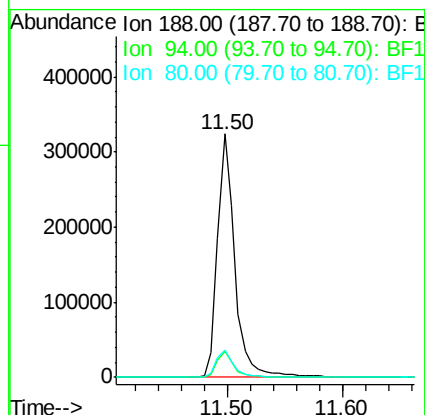
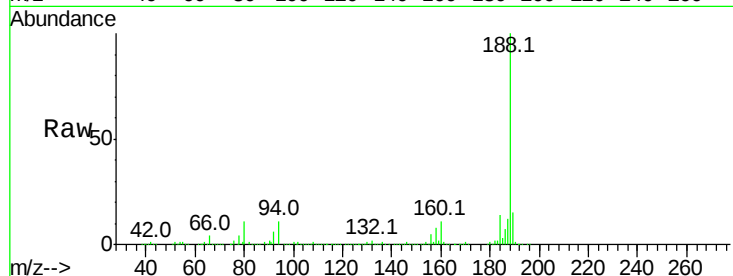




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

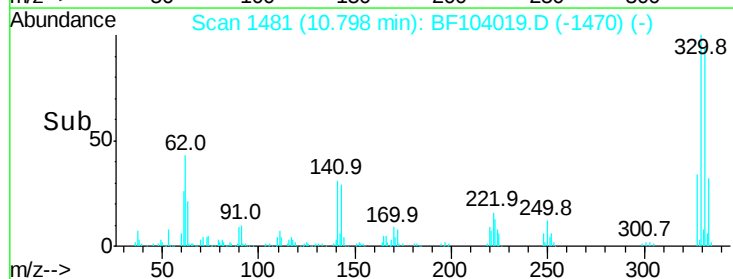
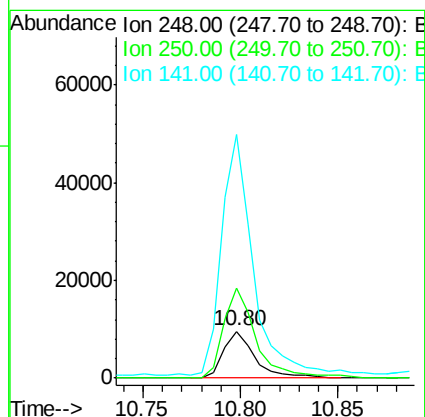
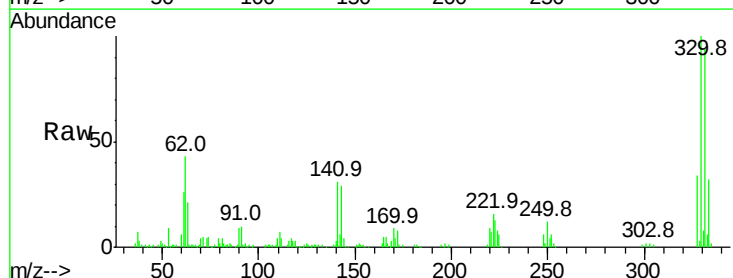
Instrument :
BNA_F
ClientSampleId :

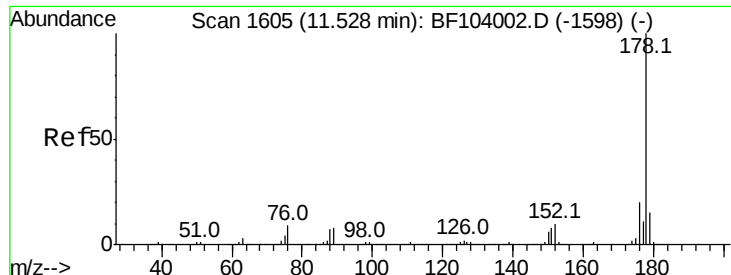
Tot Ion:188 Resp: 338485
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.3 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.934 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.24 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Tgt Ion:248 Resp: 10625
Ion Ratio Lower Upper
248 100
250 191.8 76.9 115.3#
141 517.2 74.4 111.6#





#70

Phenanthrene

Concen: 3.278 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Instrument :

BNA_F

ClientSampleId :

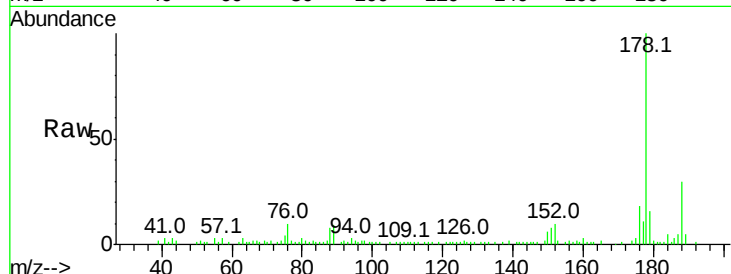
Tot Ion:178 Resp: 60068

Ion Ratio Lower Upper

178 100

176 18.2 15.8 23.8

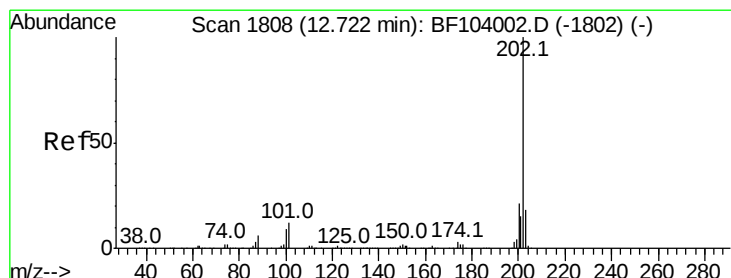
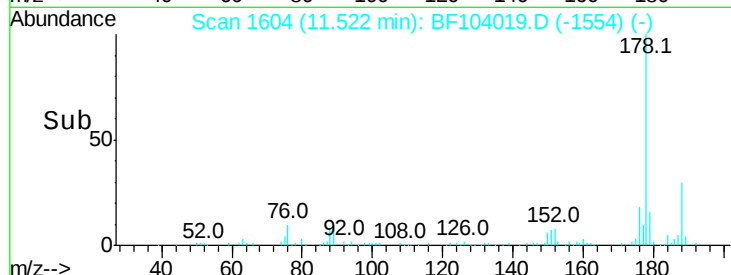
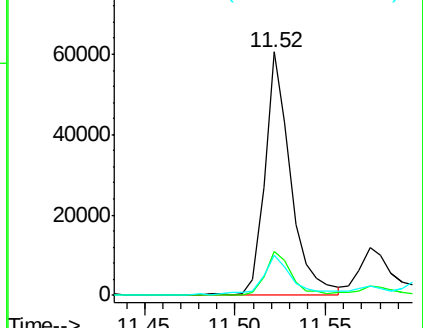
179 16.3 13.0 19.6



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



#74

Fluoranthene

Concen: 5.687 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

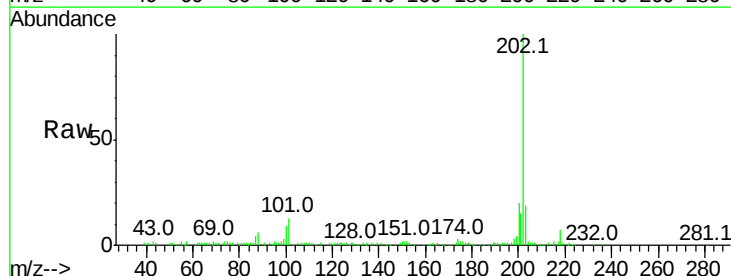
Tgt Ion:202 Resp: 110786

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

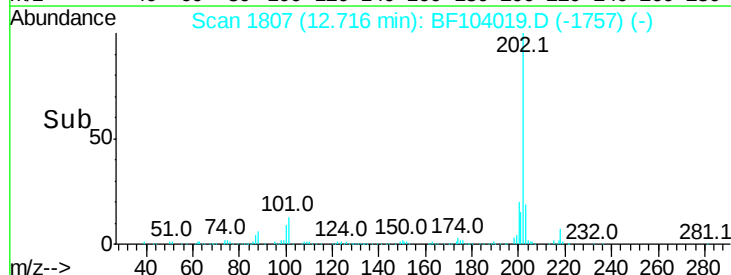
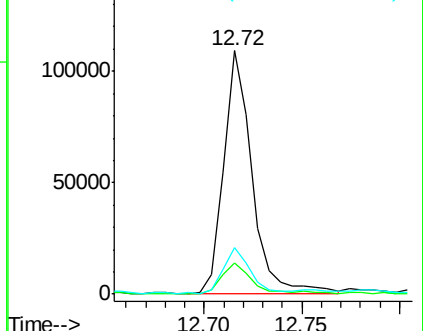
203 19.0 0.0 38.1

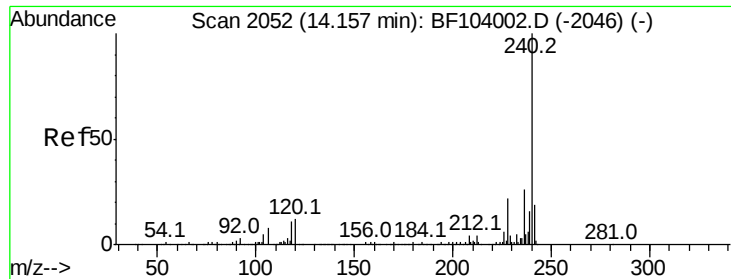


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Instrument :

BNA_F

ClientSampleId :

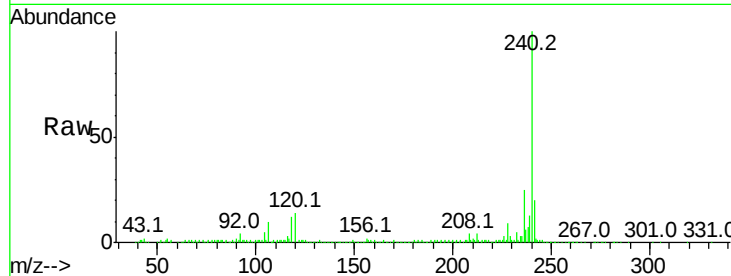
Tot Ion:240 Resp: 258117

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

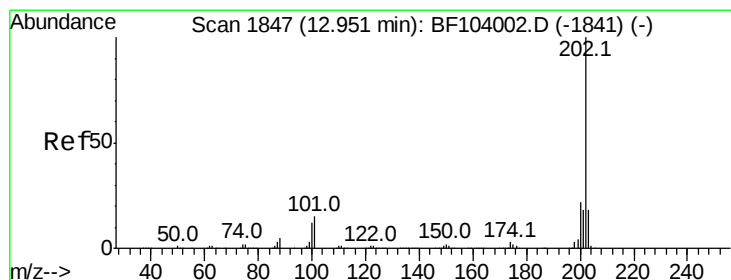
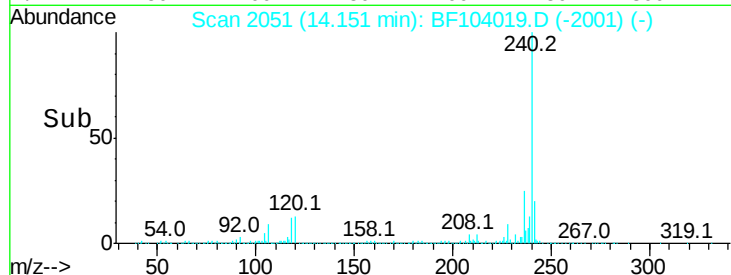
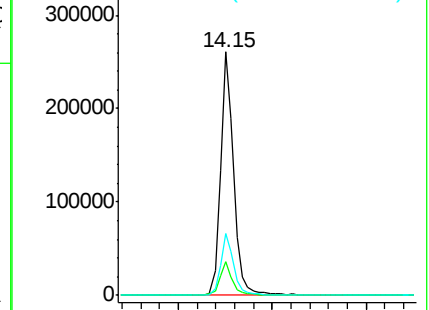
236 25.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.970 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

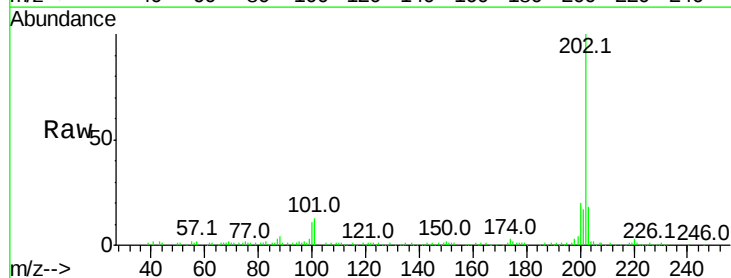
Tgt Ion:202 Resp: 110774

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

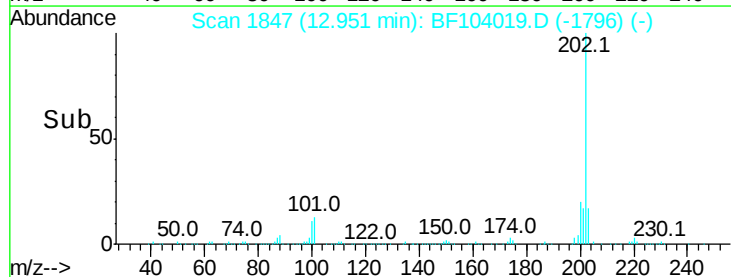
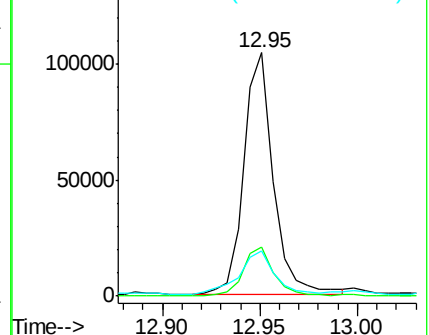
203 18.4 14.3 21.5

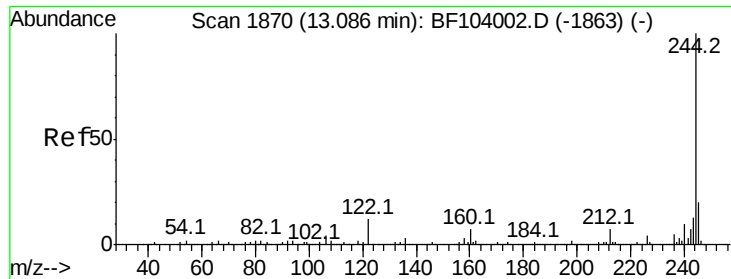


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.797 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Instrument :

BNA_F

ClientSampleId :

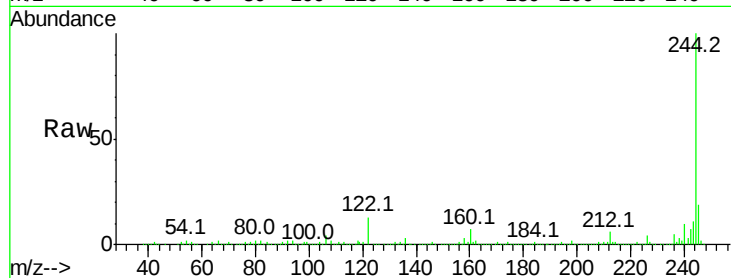
Tot Ion:244 Resp: 612572

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

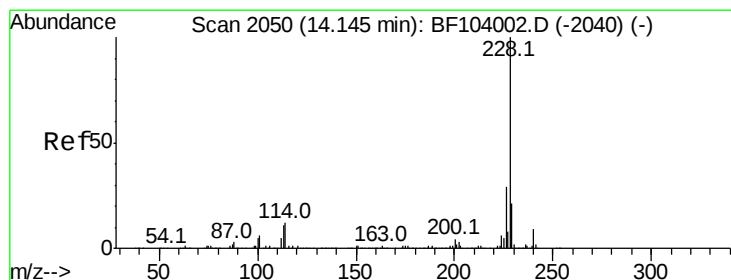
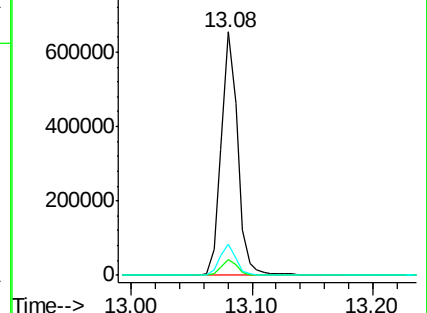
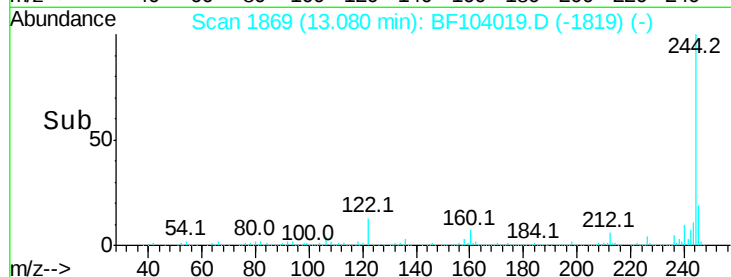
122 12.8 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.443 ng

RT: 14.18 min Scan# 2056

Delta R.T. 0.04 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

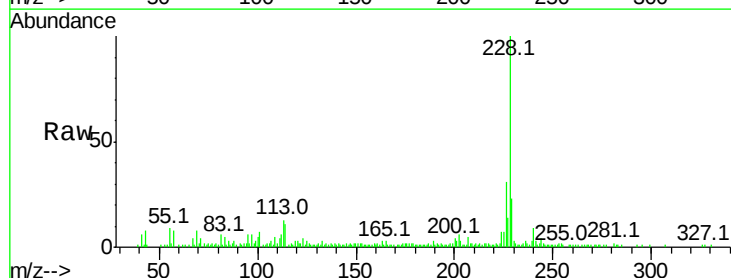
Tgt Ion:228 Resp: 71759

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

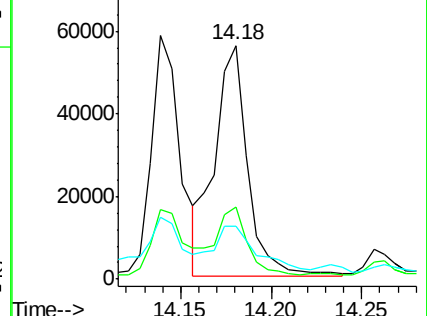
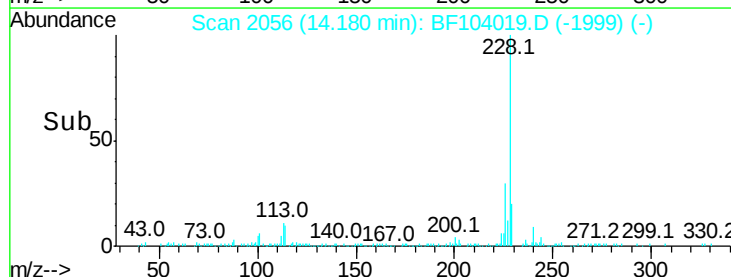
229 22.6 15.8 23.6

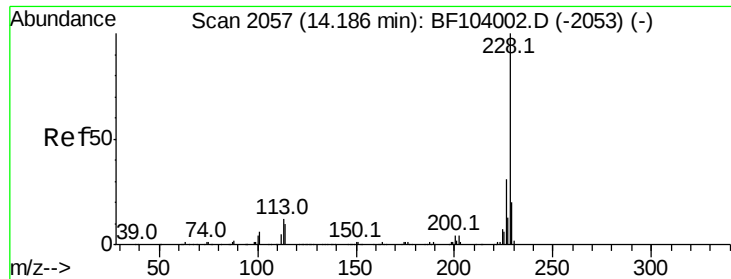


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

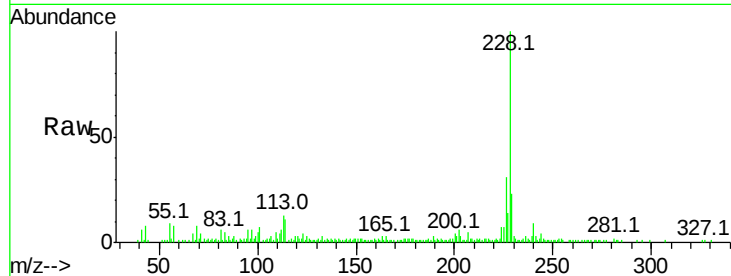




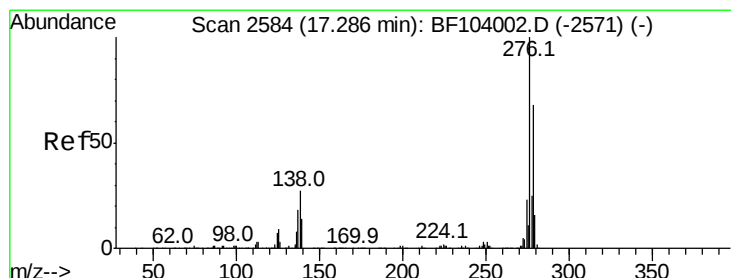
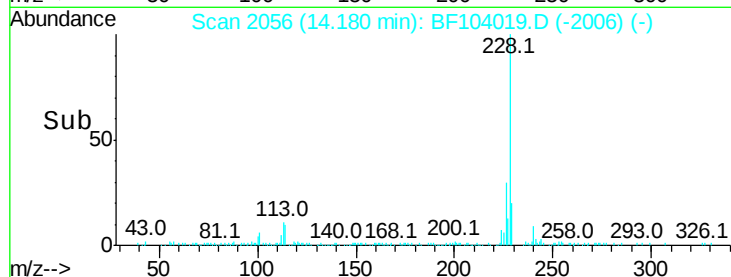
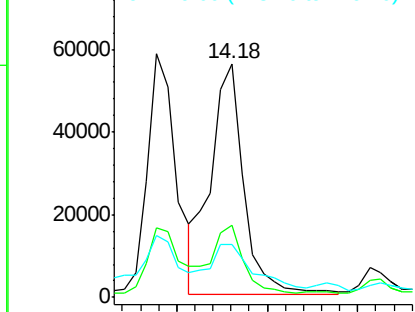
#82
Chrysene
Concen: 4.536 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 71759
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 22.6 16.2 24.4

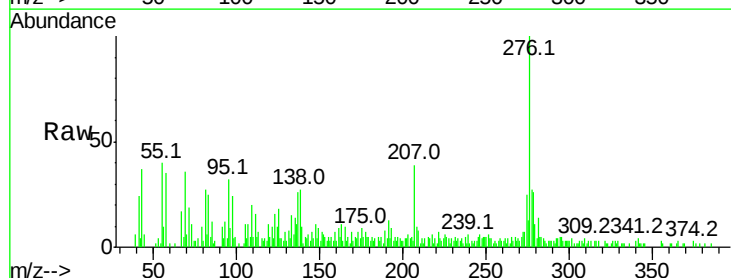


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

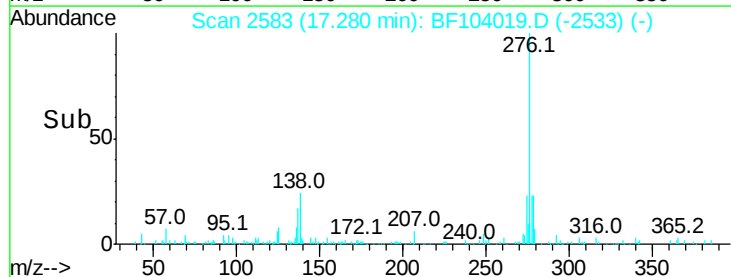
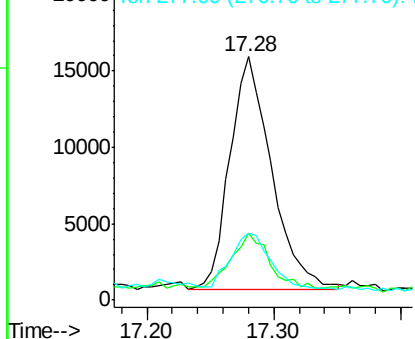


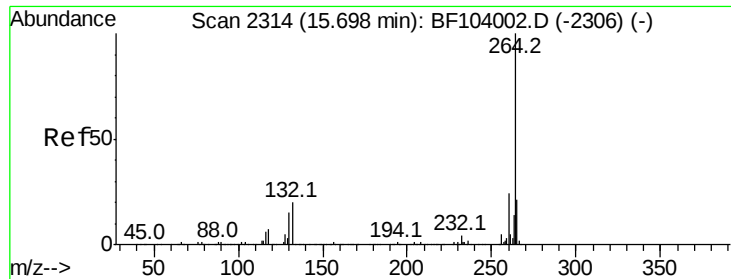
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.112 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.01 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Tgt Ion:276 Resp: 34626
Ion Ratio Lower Upper
276 100
138 21.8 25.0 37.6#
277 24.0 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



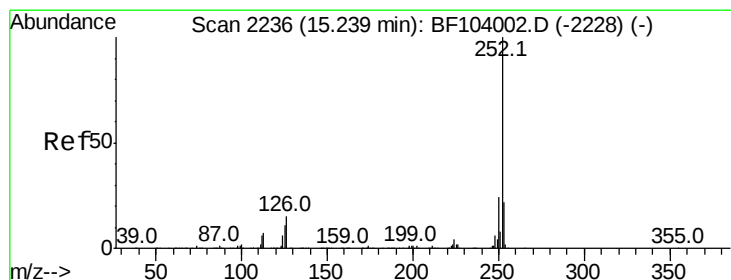
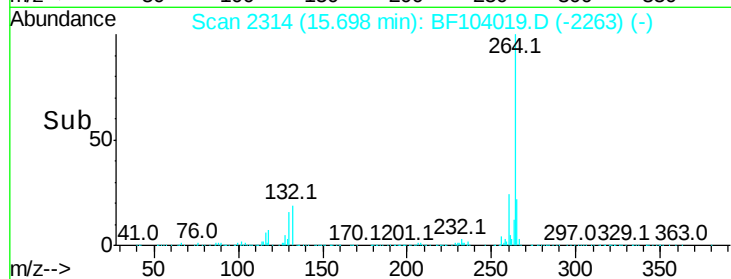
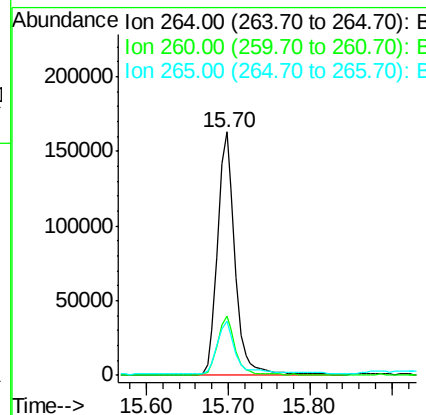
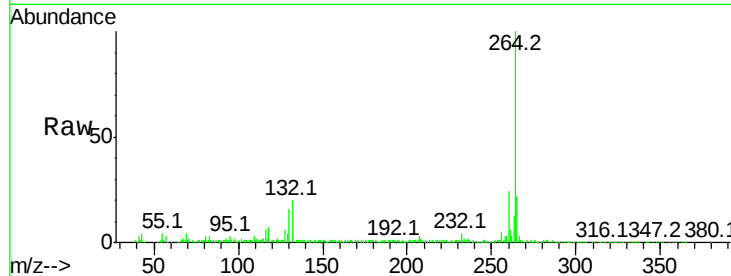


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 240412

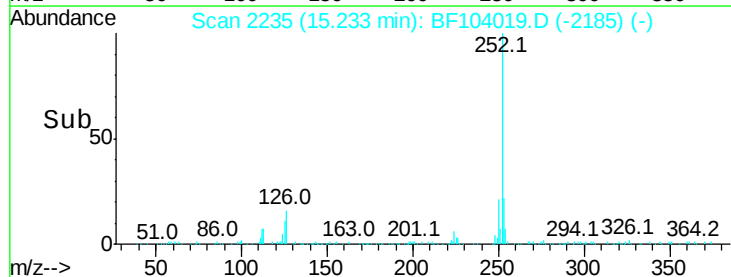
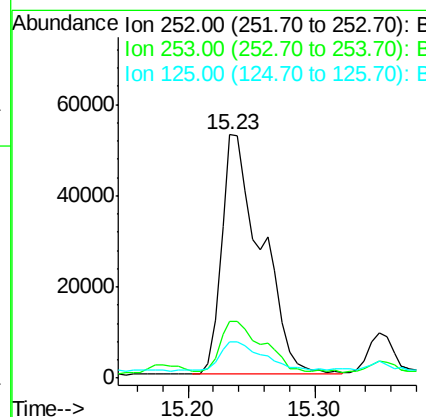
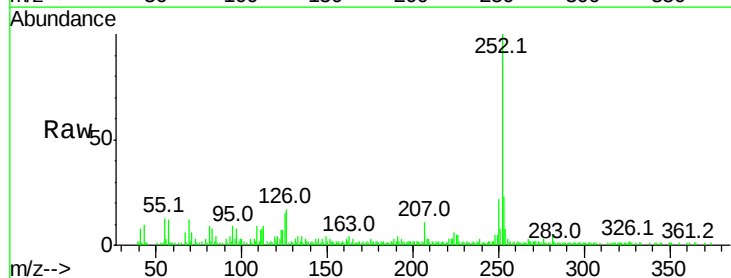
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.2	17.5	26.3

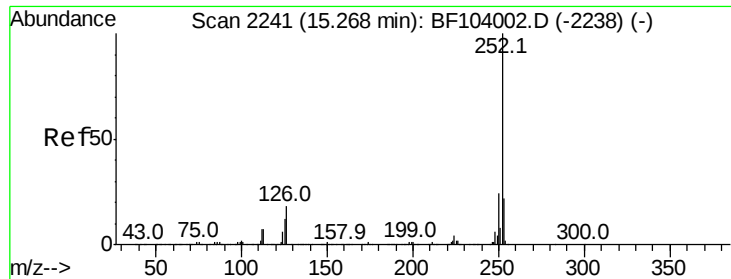


#87
Benzo(b)fluoranthene
Concen: 7.839 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Tgt Ion:252 Resp: 114693

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	15.0	9.0	13.6

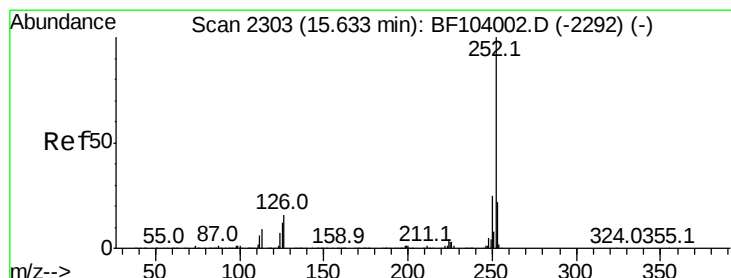
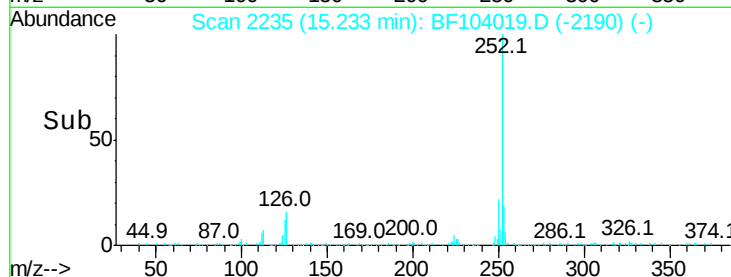
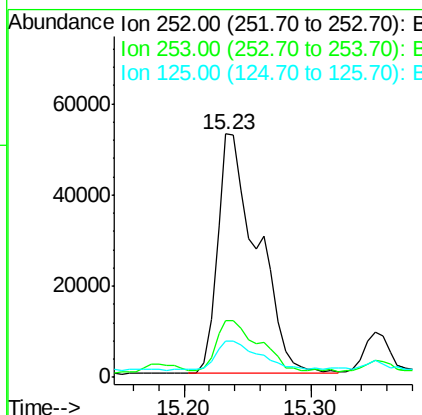
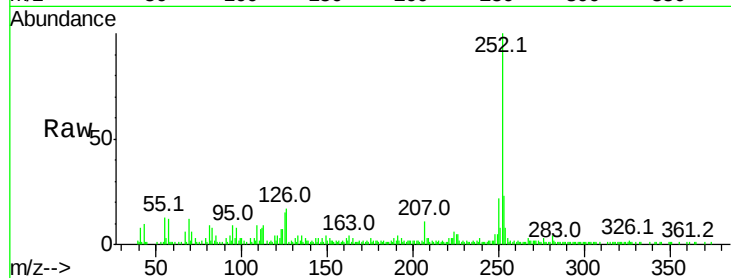




#88
Benzo(k)fluoranthene
Concen: 8.322 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

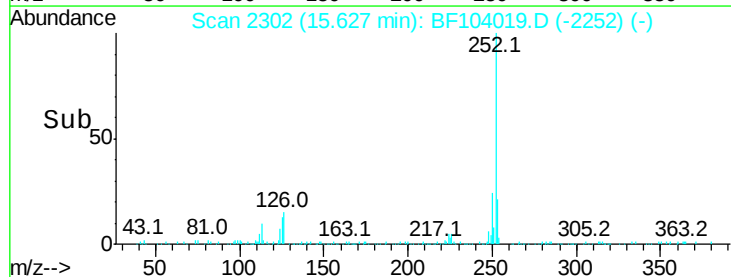
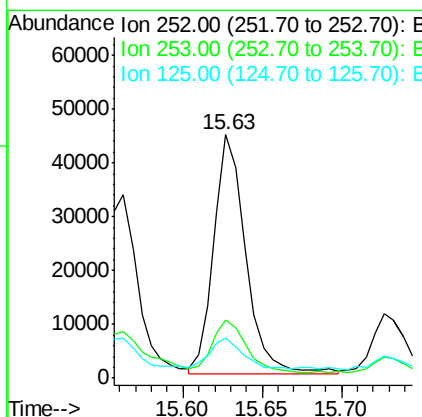
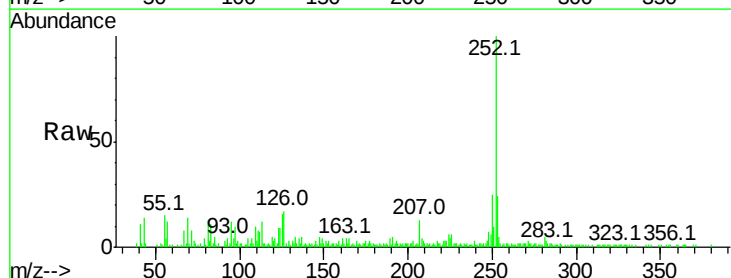
Instrument :
BNA_F
ClientSampleId :

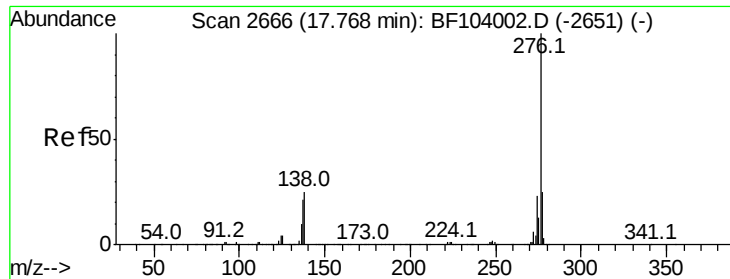
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	15.0	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.645 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	16.2	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 2.823 ng

RT: 17.77 min Scan# 2666

Delta R.T. -0.00 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Instrument :

BNA_F

ClientSampleId :

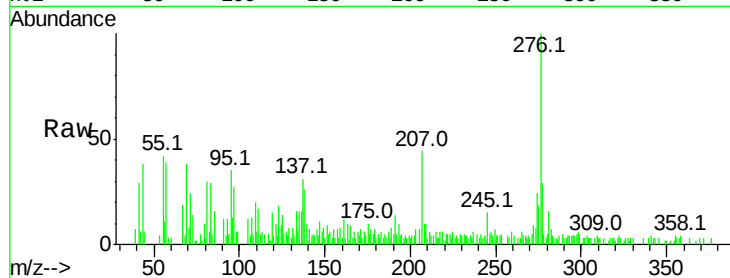
Tot Ion:276 Resp: 35446

Ion Ratio Lower Upper

276 100

277 29.1 17.9 26.9#

138 25.5 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

