

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104064.D
 Acq On : 29 Mar 2018 21:07
 Operator : JU/SJ
 Sample : J2117-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 03:54:23 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	98904	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	428028	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	182205	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	260343	20.00	ng	0.00
75) Chrysene-d12	14.16	240	204640	20.00	ng	0.00
86) Perylene-d12	15.70	264	229709	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	8348	1.35	ng	0.04
7) Phenol-d6	6.62	99	83855	10.99	ng	0.02
23) Nitrobenzene-d5	7.55	82	53685	7.67	ng	0.01
41) 2,4,6-Tribromophenol	10.80	330	27810	13.71	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	150225	13.00	ng	0.00
78) Terphenyl-d14	13.08	244	103184	11.64	ng	0.00

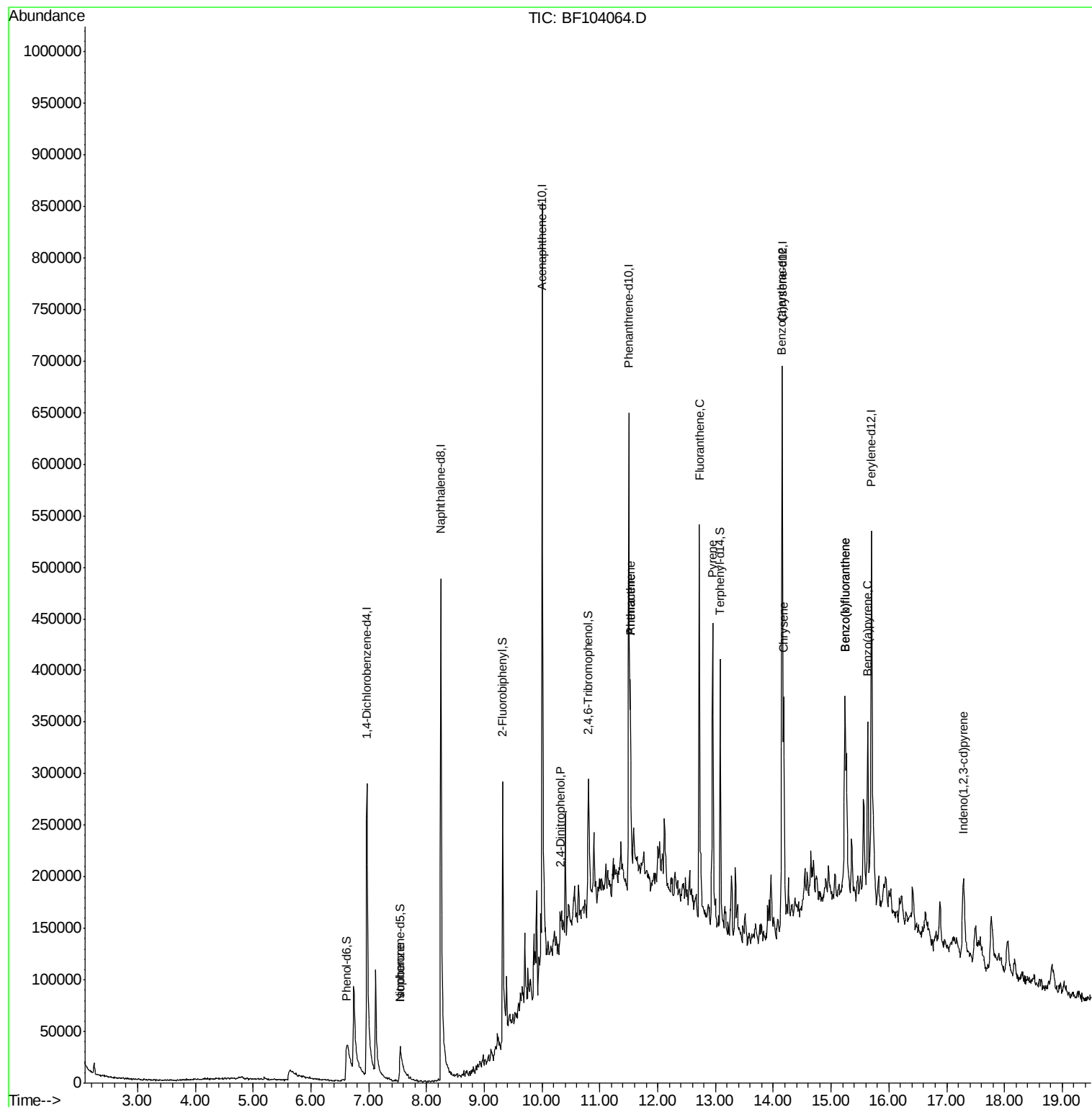
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	836	Below Cal		# 40
25) Isophorone	7.55	82	53685	4.162	ng	# 64
53) 2,4-Dinitrophenol	10.32	184	107	5.646	ng	# 78
70) Phenanthrene	11.53	178	73893	5.242	ng	96
71) Anthracene	11.53	178	73893	5.019	ng	96
74) Fluoranthene	12.72	202	196996	13.148	ng	97
77) Pyrene	12.95	202	149822	10.185	ng	98
80) Benzo(a)anthracene	14.14	228	106698	8.333	ng	98
82) Chrysene	14.18	228	80973	6.456	ng	98
85) Indeno(1,2,3-cd)pyrene	17.29	276	63364	4.876	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	177019	12.662	ng	# 90
88) Benzo(k)fluoranthene	15.24	252	177019	13.442	ng	93
89) Benzo(a)pyrene	15.63	252	100681	7.772	ng	# 94

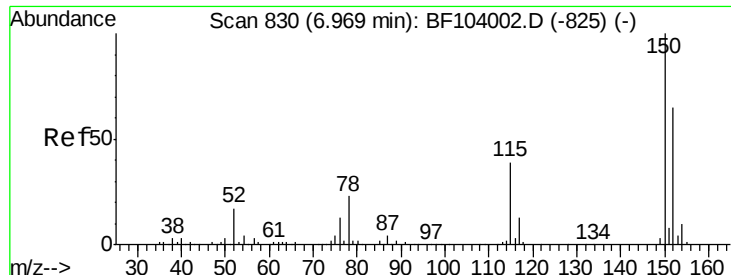
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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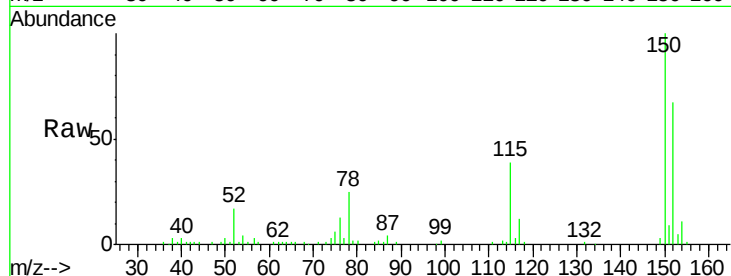


#1

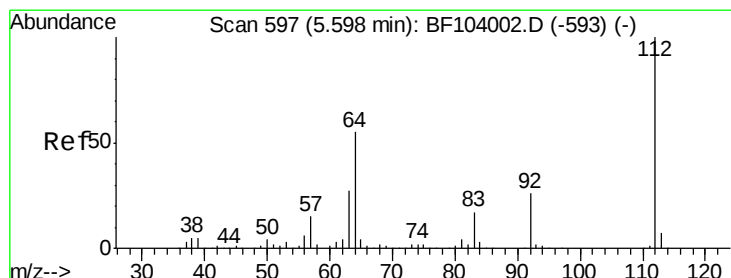
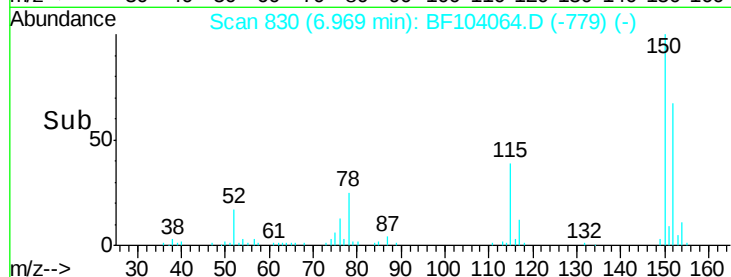
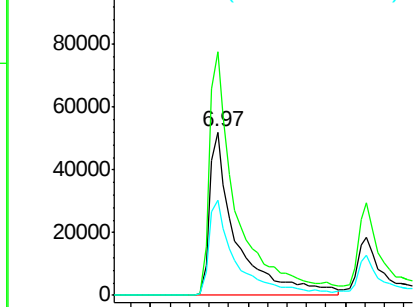
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 98904
Ion Ratio Lower Upper
152 100
150 149.3 124.6 186.8
115 58.3 50.1 75.1



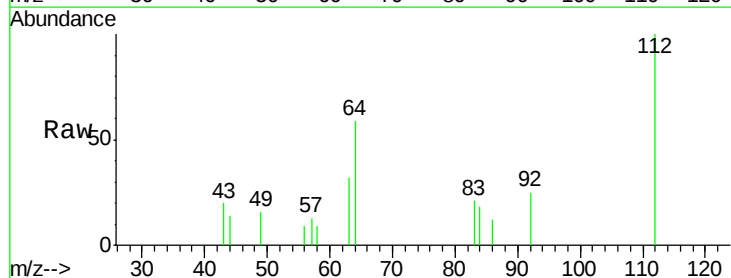
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



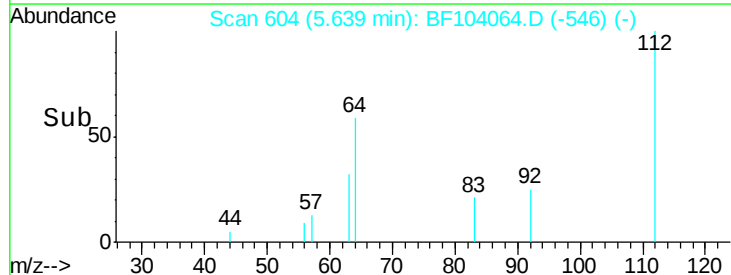
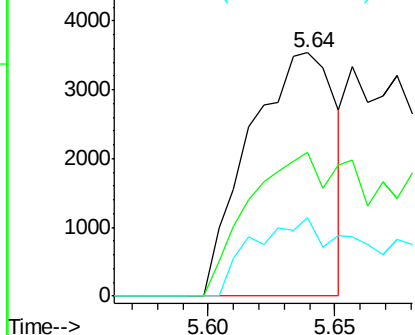
#5

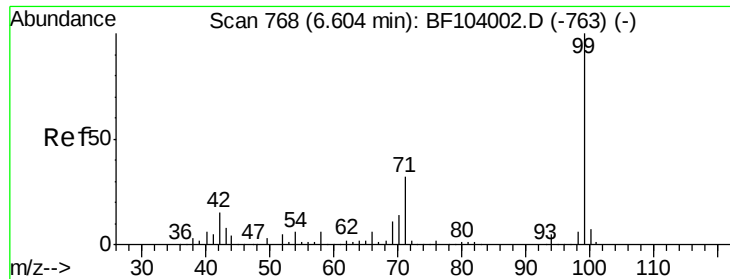
2-Fluorophenol
Concen: 1.346 ng
RT: 5.64 min Scan# 604
Delta R.T. 0.04 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Tgt Ion:112 Resp: 8348
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 32.4 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: 10.990 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.02 min

Lab File: BF104064.D

Acq: 29 Mar 2018 21:07

Instrument :

BNA_F

ClientSampleId :

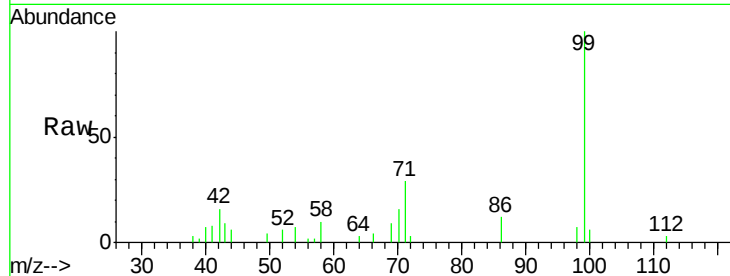
Tot Ion: 99 Resp: 83855

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

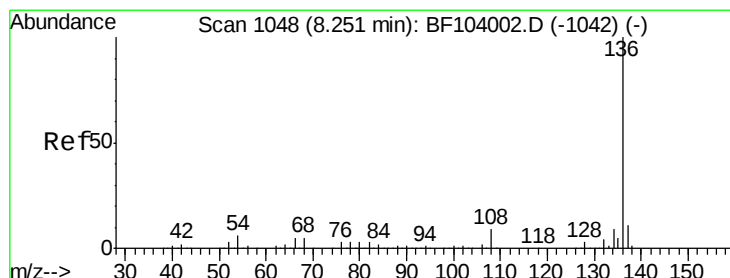
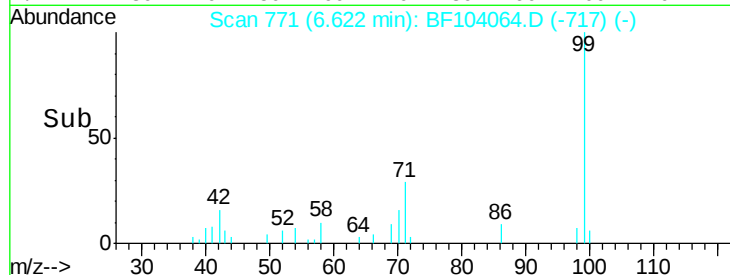
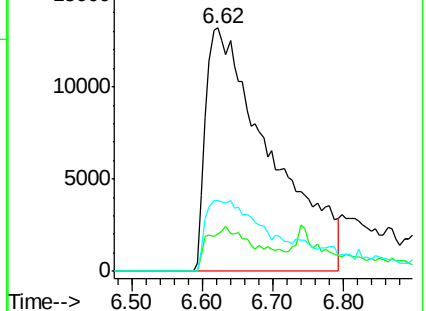
71 29.0 25.4 38.0



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: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104064.D

Acq: 29 Mar 2018 21:07

Tgt Ion: 136 Resp: 428028

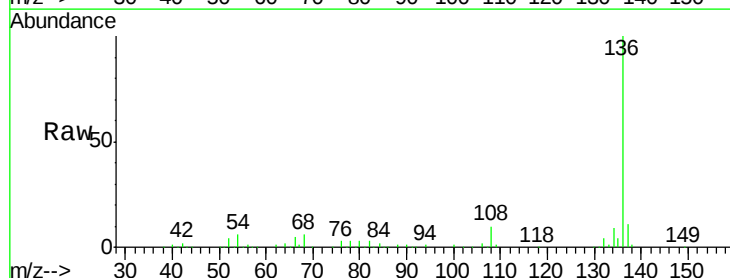
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.5 6.6 9.8#

68 6.3 5.0 7.4

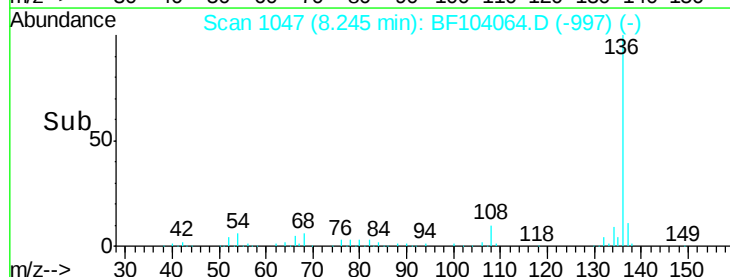
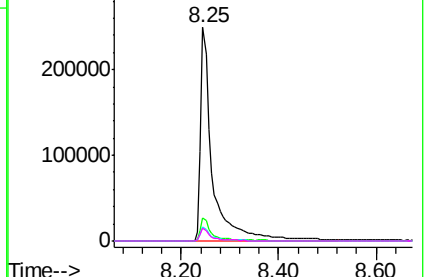


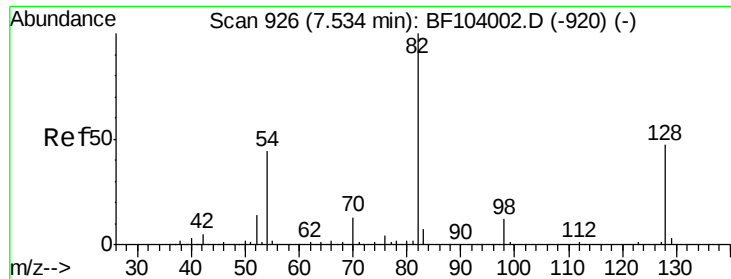
Abundance Ion 136.00 (135.70 to 136.70): E

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

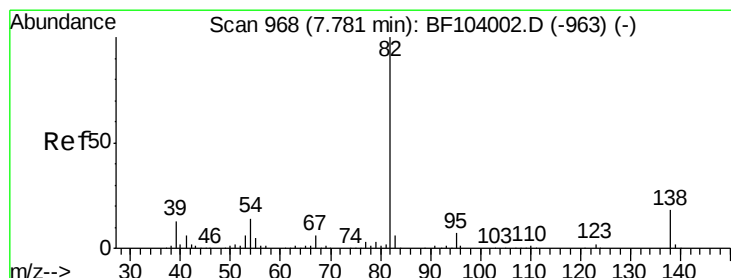
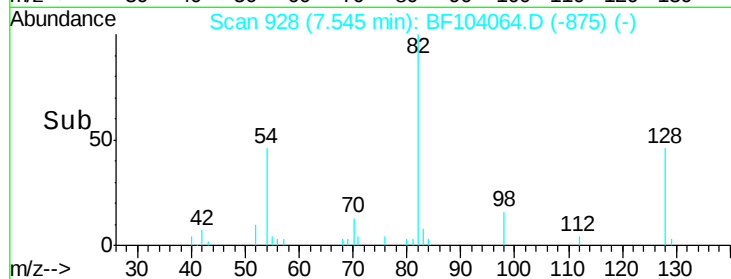
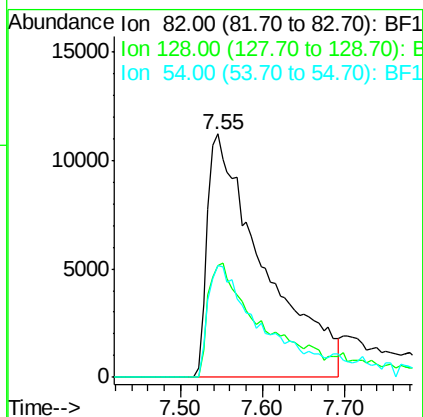
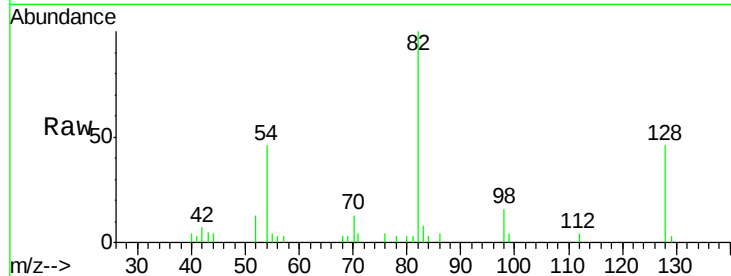




#23
Nitrobenzene-d5
Concen: 7.670 ng
RT: 7.55 min Scan# 928
Delta R.T. 0.01 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

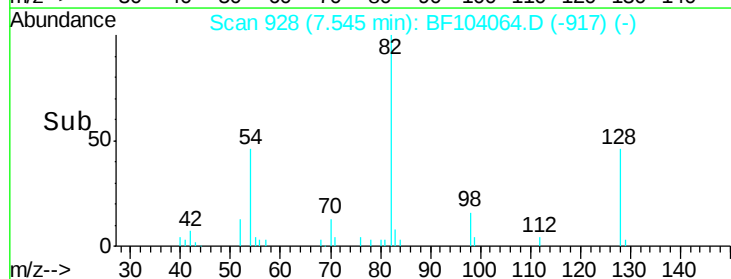
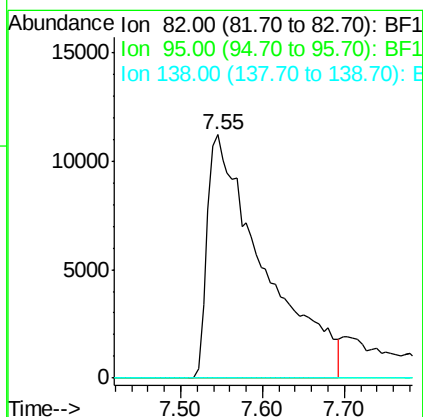
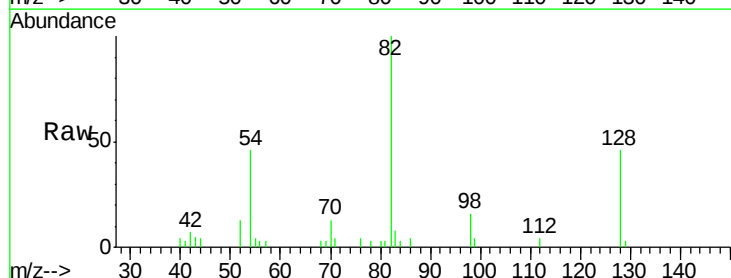
Instrument :
BNA_F
ClientSampleId :

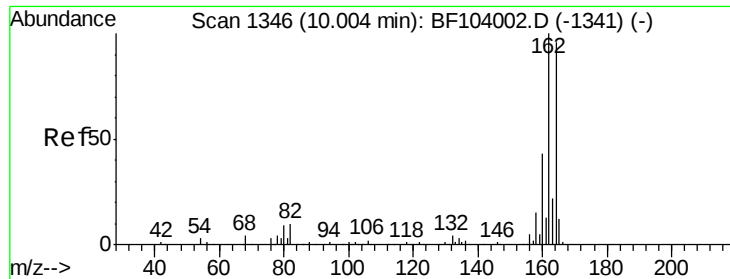
Tot Ion	82	Resp	53685
Ion Ratio	Lower	Upper	
82	100		
128	46.1	36.1	54.1
54	46.1	41.4	62.2



#25
Isophorone
Concen: 4.162 ng
RT: 7.55 min Scan# 928
Delta R.T. -0.24 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Tgt Ion	82	Resp	53685
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

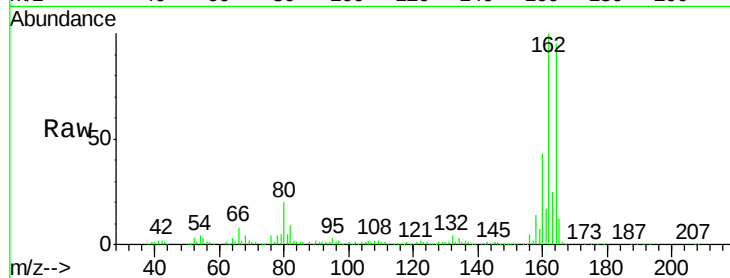




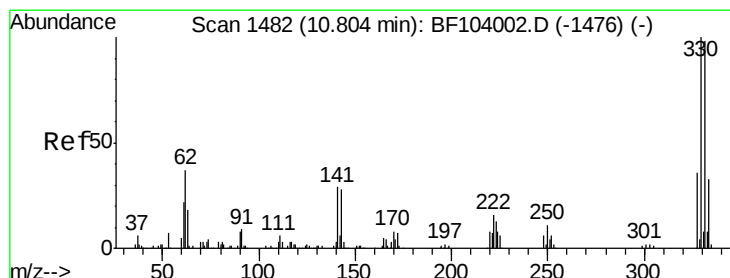
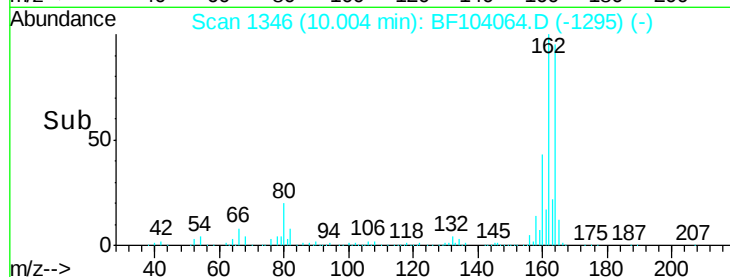
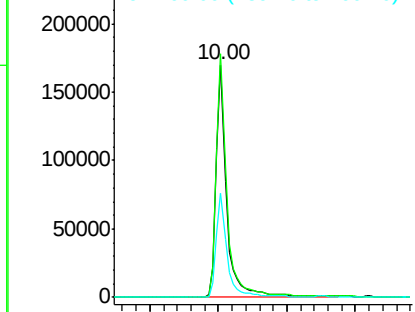
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 182205
 Ion Ratio Lower Upper
 164 100
 162 104.8 86.1 129.1
 160 44.9 38.3 57.5

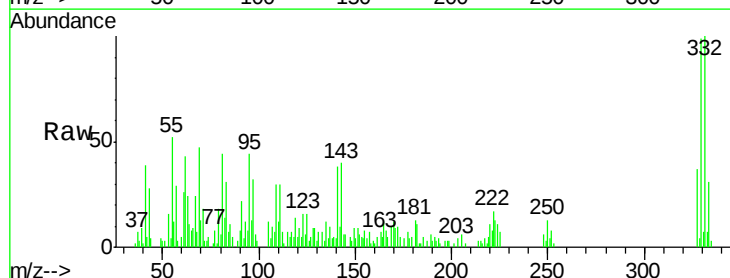


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

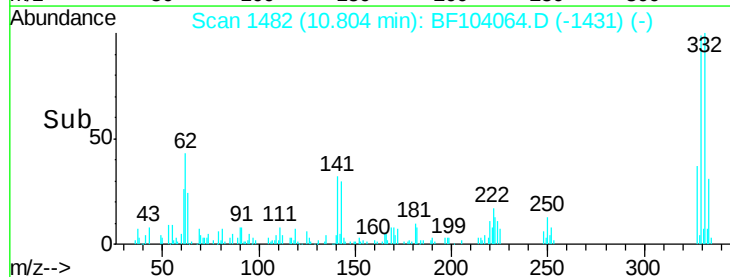
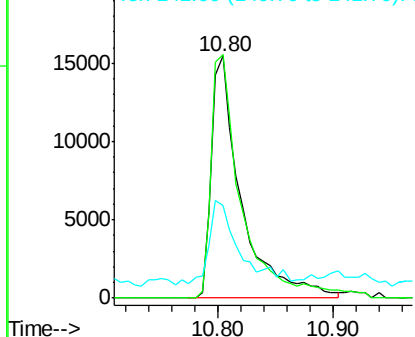


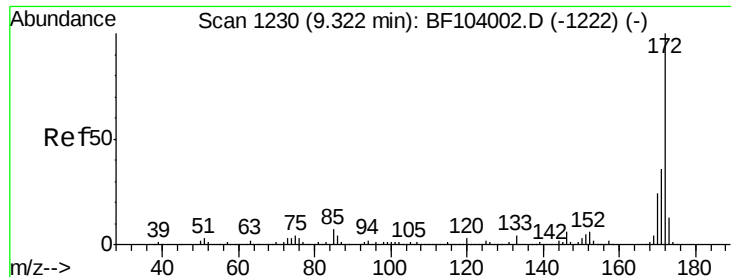
#41
 2,4,6-Tribromophenol
 Concen: 13.707 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Tgt Ion:330 Resp: 27810
 Ion Ratio Lower Upper
 330 100
 332 102.6 77.0 115.6
 141 36.0 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

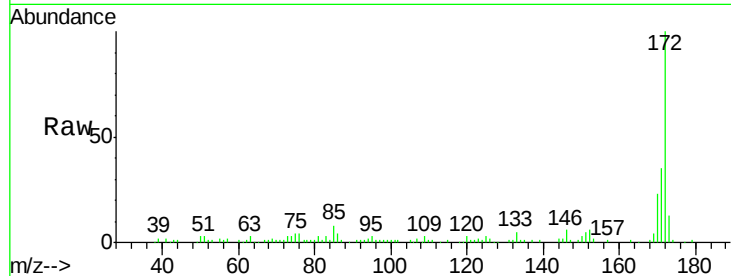




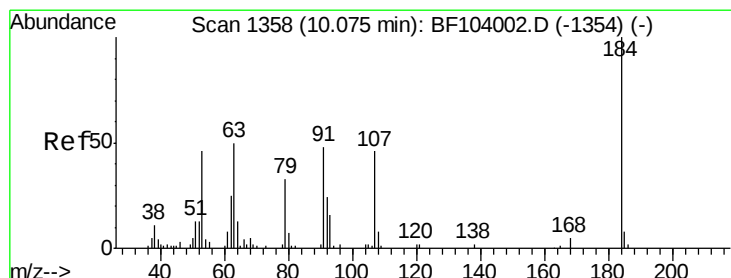
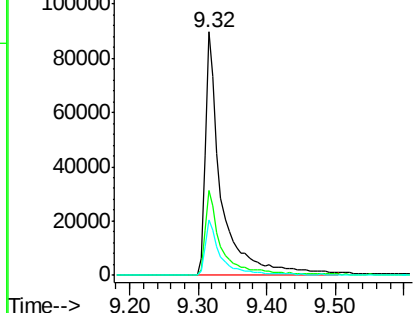
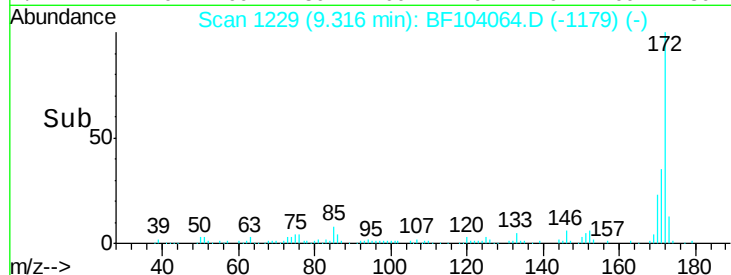
#44
 2-Fluorobiphenyl
 Concen: 13.001 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 150225
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 22.5 19.6 29.4

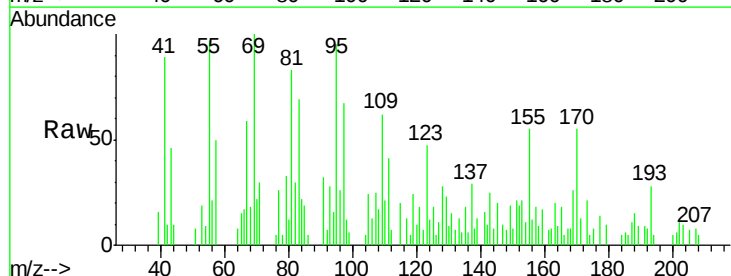


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

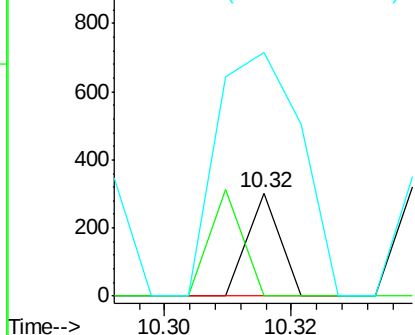
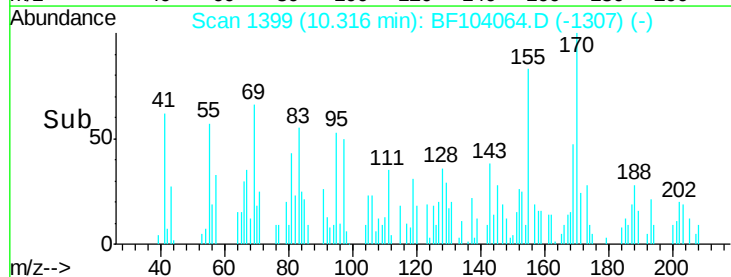


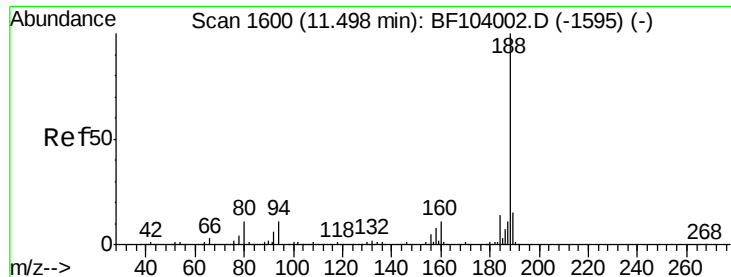
#53
 2,4-Dinitrophenol
 Concen: 5.646 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. 0.24 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Tgt Ion:184 Resp: 107
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 235.6 184.0 276.0



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

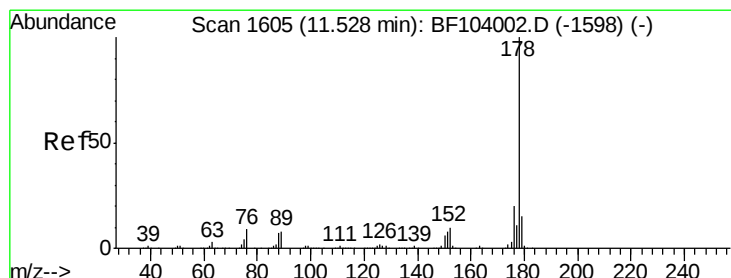
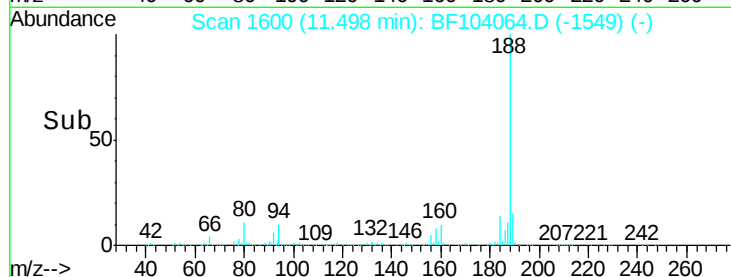
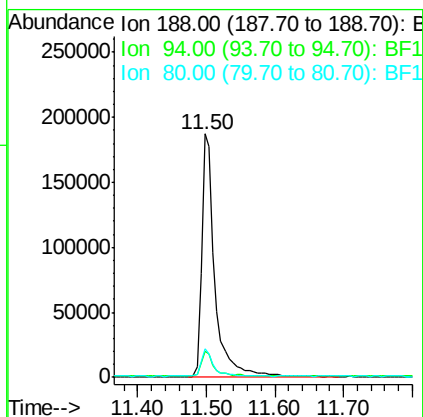
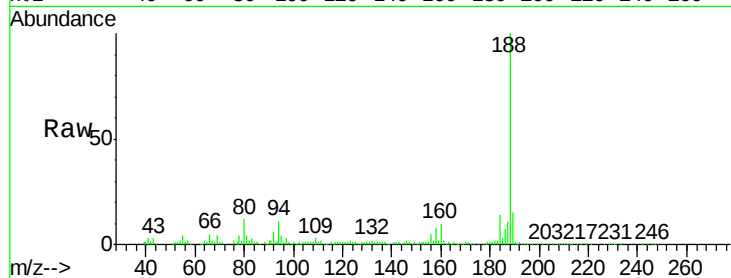




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

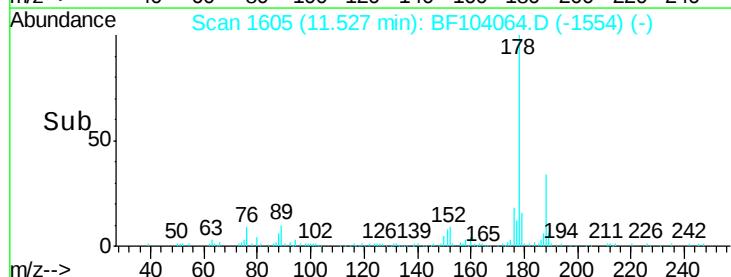
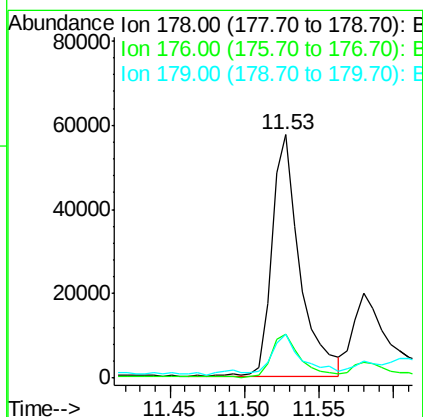
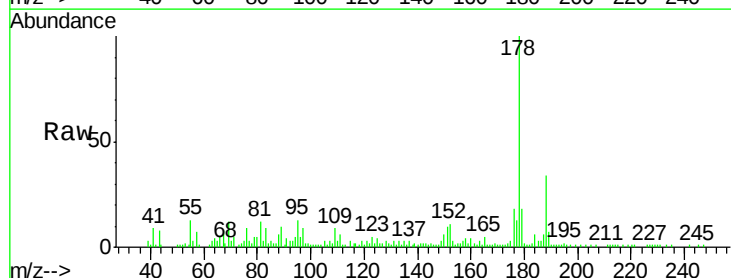
Instrument :
BNA_F
ClientSampled :

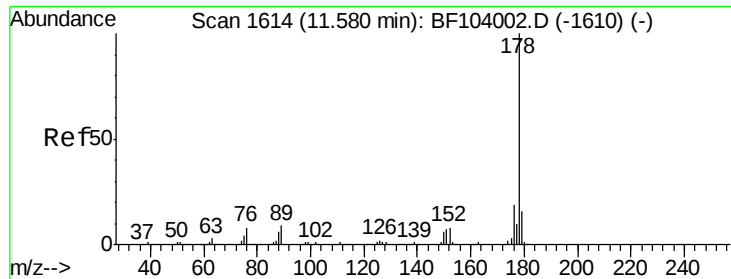
Tot Ion:188 Resp: 260343
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.8 9.2 13.8



#70
Phenanthrene
Concen: 5.242 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Tgt Ion:178 Resp: 73893
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.8
179 18.0 13.0 19.6

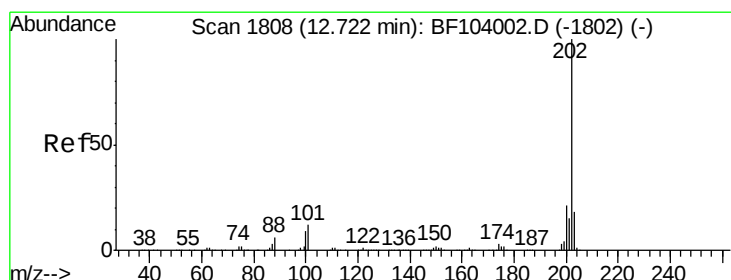
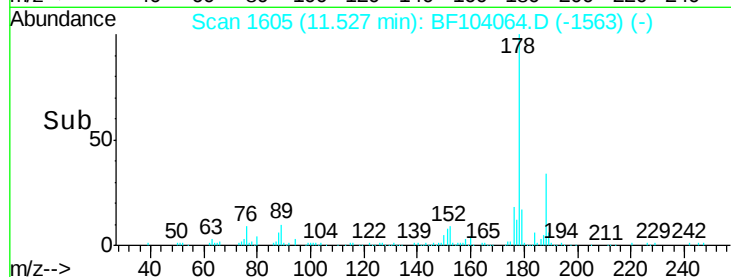
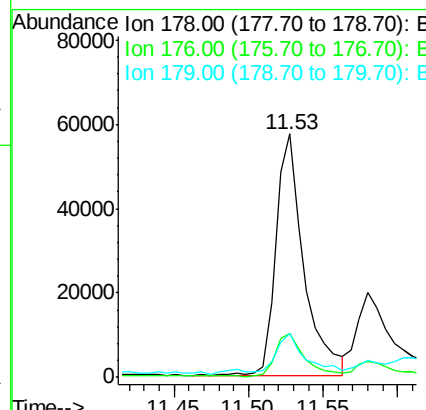
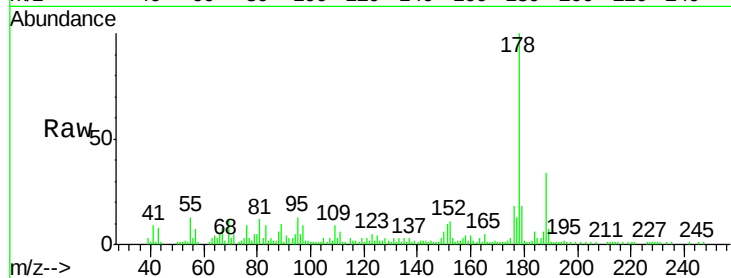




#71
 Anthracene
 Concen: 5.019 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.05 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

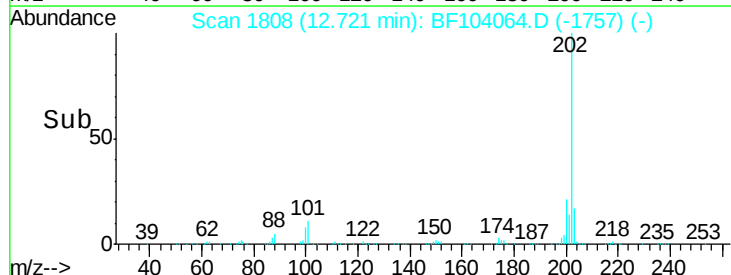
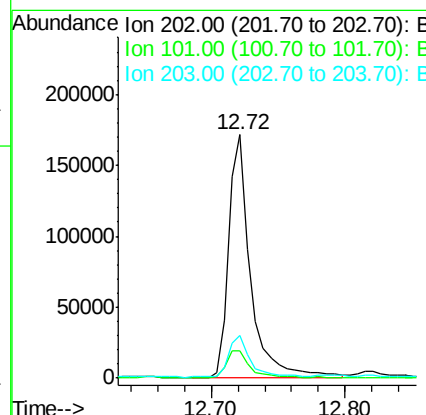
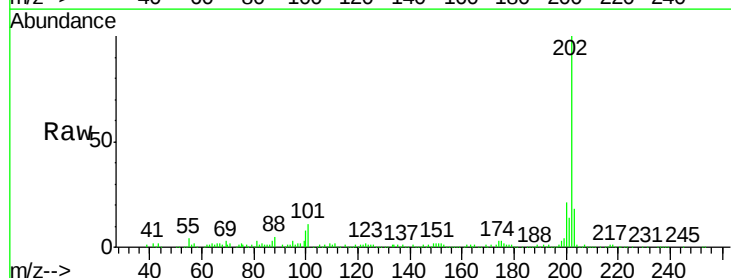
Instrument :
 BNA_F
 ClientSampleId :

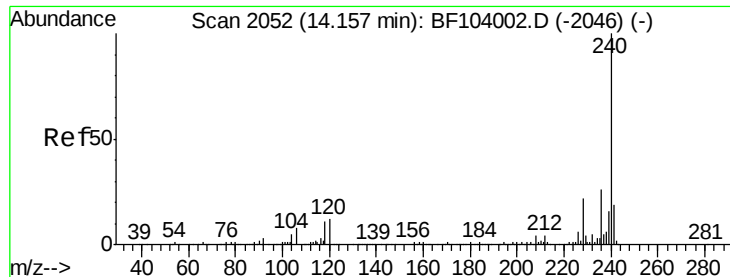
Tot Ion:178 Resp: 73893
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 18.0 12.6 19.0



#74
 Fluoranthene
 Concen: 13.148 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: BF104064.D
 Acq: 29 Mar 2018 21:07

Tgt Ion:202 Resp: 196996
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 34.1
 203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104064.D

Acq: 29 Mar 2018 21:07

Instrument :

BNA_F

ClientSampleId :

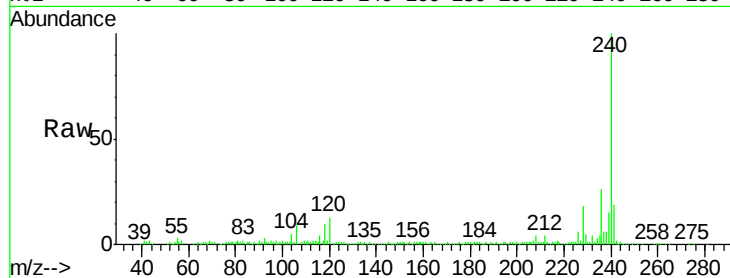
Tot Ion:240 Resp: 204640

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

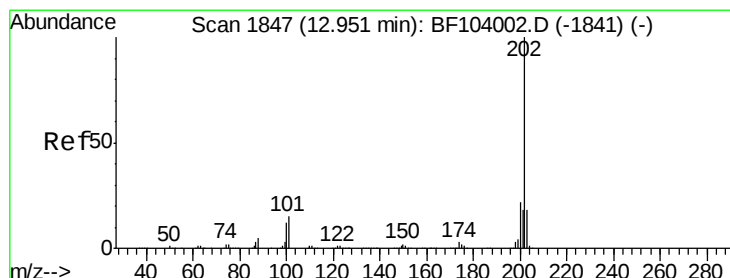
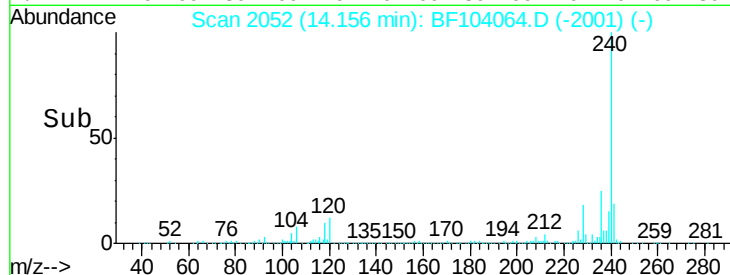
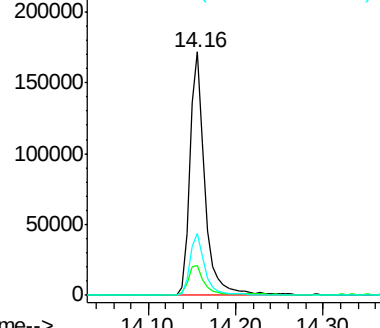
236 25.5 20.7 31.1



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: 10.185 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104064.D

Acq: 29 Mar 2018 21:07

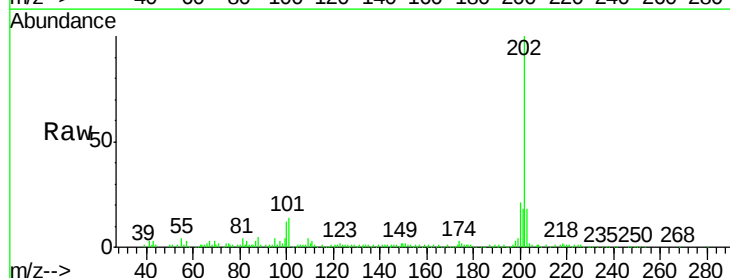
Tgt Ion:202 Resp: 149822

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

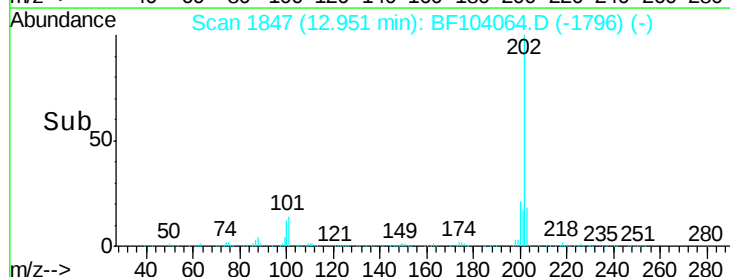
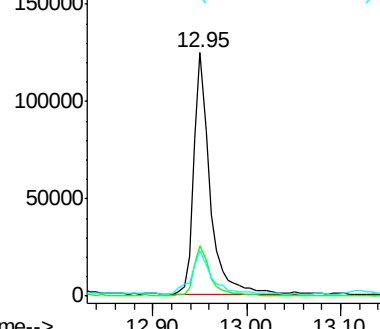
203 18.5 14.3 21.5

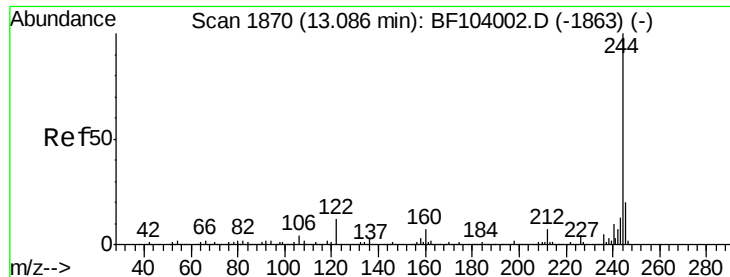


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.642 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104064.D

Acq: 29 Mar 2018 21:07

Instrument :

BNA_F

ClientSampleId :

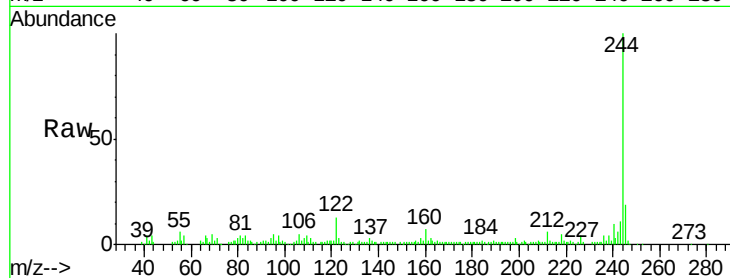
Tot Ion:244 Resp: 103184

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

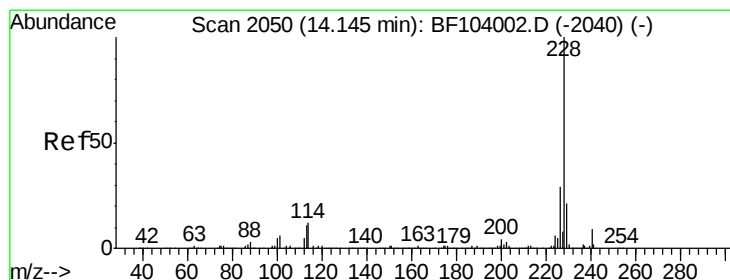
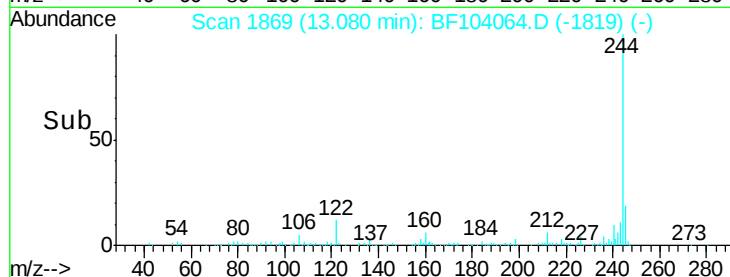
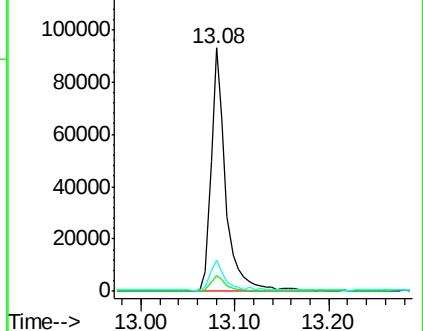
122 12.8 11.0 16.4



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: 8.333 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF104064.D

Acq: 29 Mar 2018 21:07

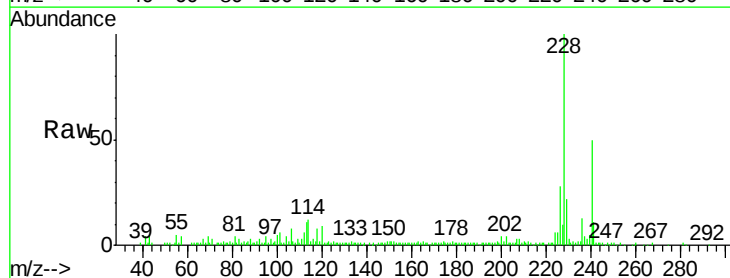
Tgt Ion:228 Resp: 106698

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

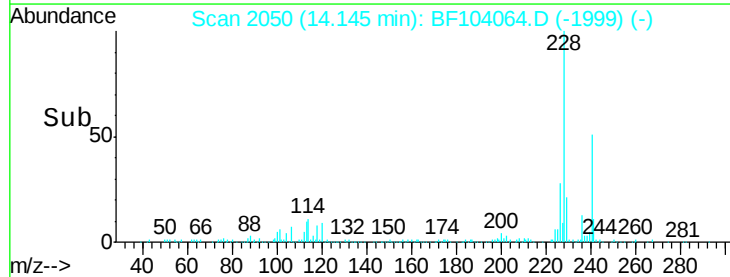
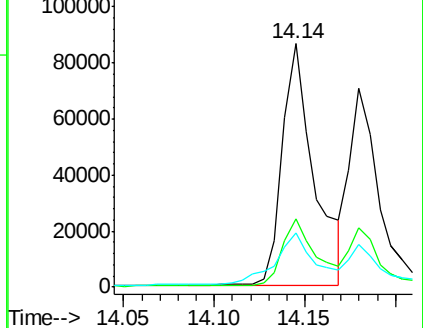
229 22.2 15.8 23.6

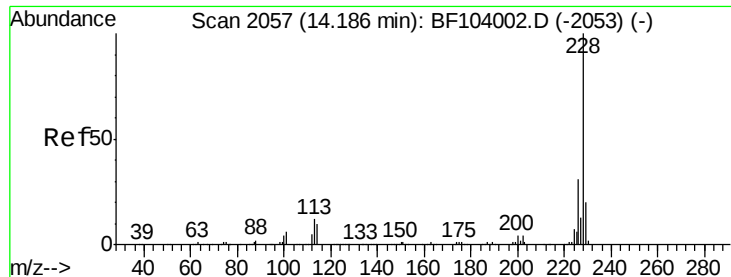


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

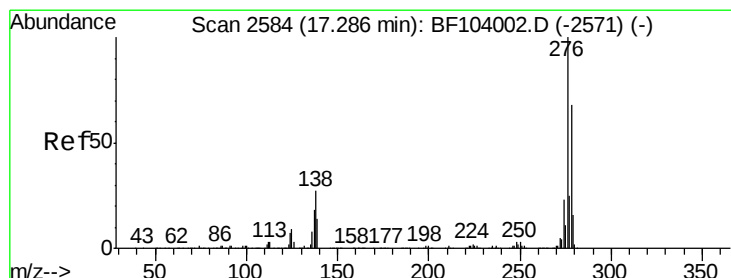
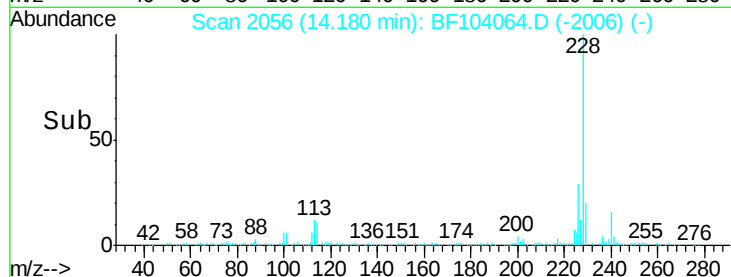
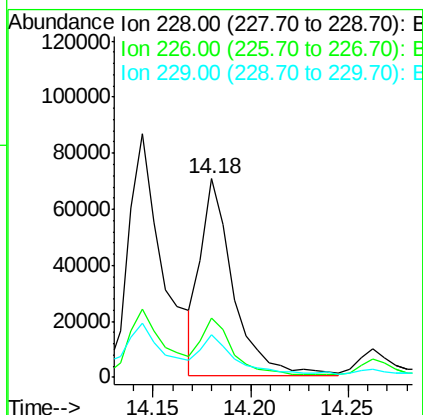
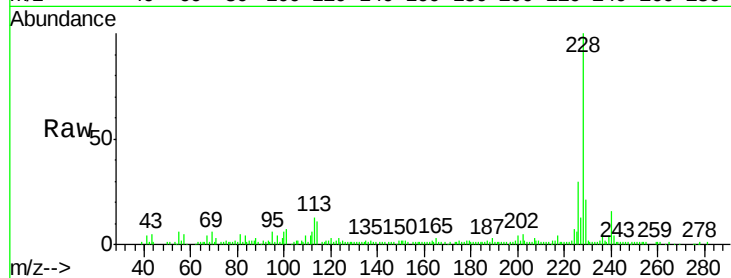




#82
Chrysene
Concen: 6.456 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

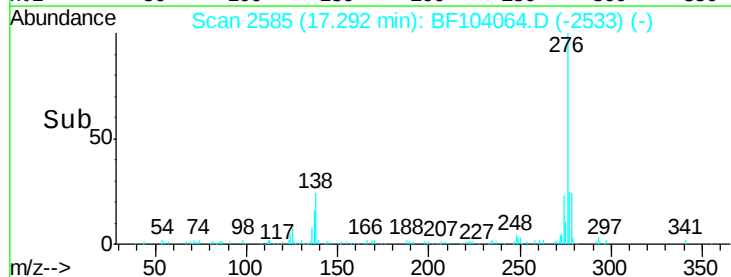
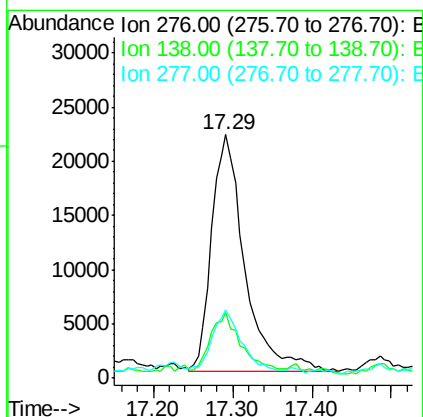
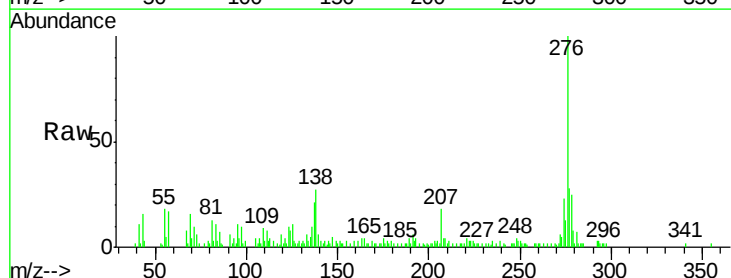
Instrument :
BNA_F
ClientSampled :

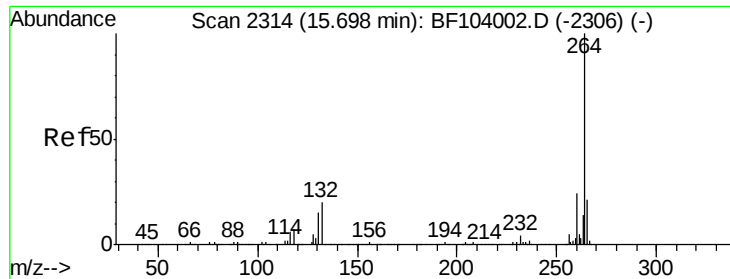
Tot Ion:228 Resp: 80973
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 21.3 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.876 ng
RT: 17.29 min Scan# 2585
Delta R.T. 0.01 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Tgt Ion:276 Resp: 63364
Ion Ratio Lower Upper
276 100
138 21.6 25.0 37.6#
277 21.9 20.1 30.1



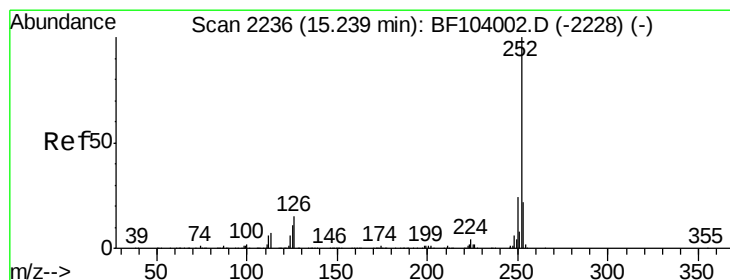
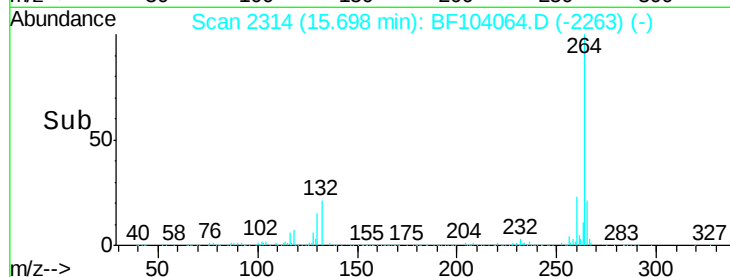
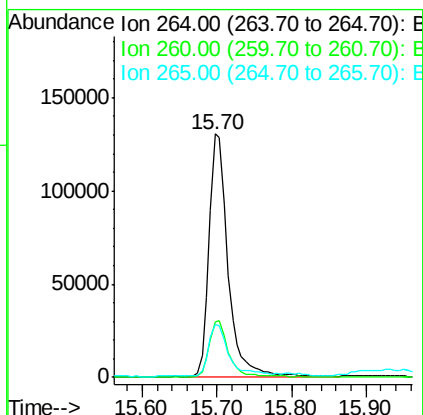
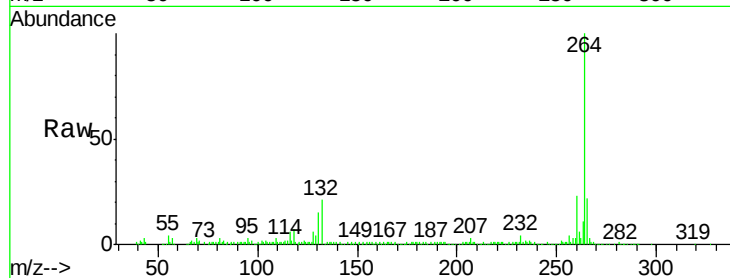


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 229709

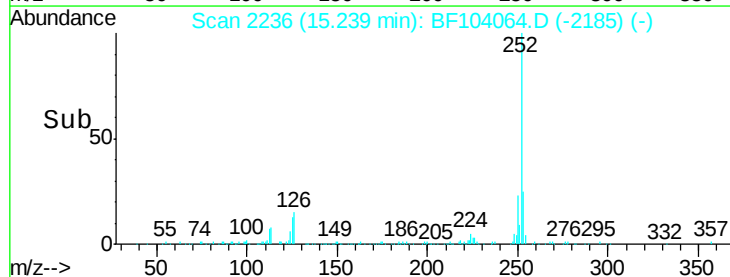
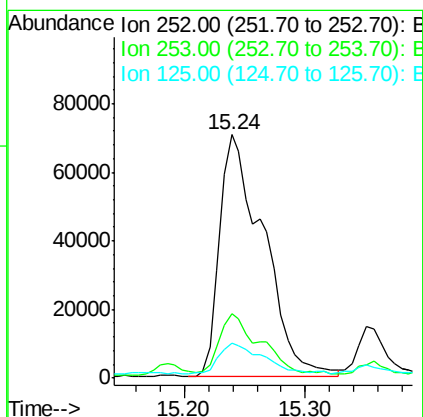
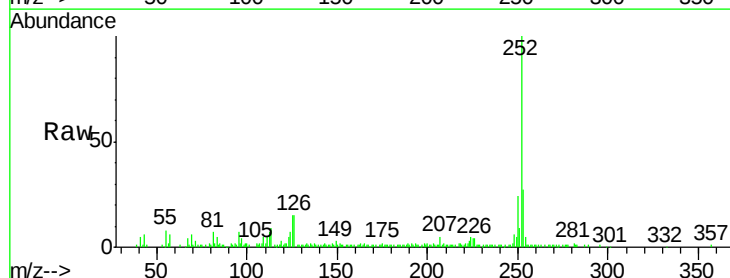
Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.6	17.5	26.3

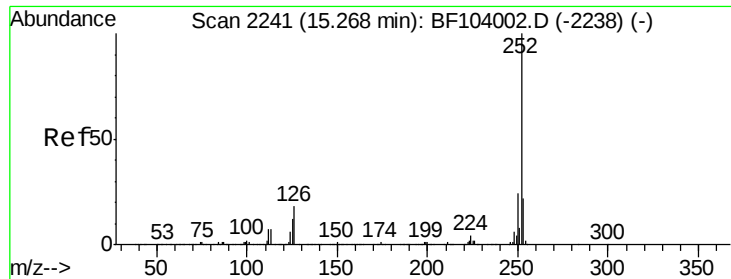


#87
Benzo(b)fluoranthene
Concen: 12.662 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Tgt Ion:252 Resp: 177019

Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.0	25.6#
125	14.6	9.0	13.6#

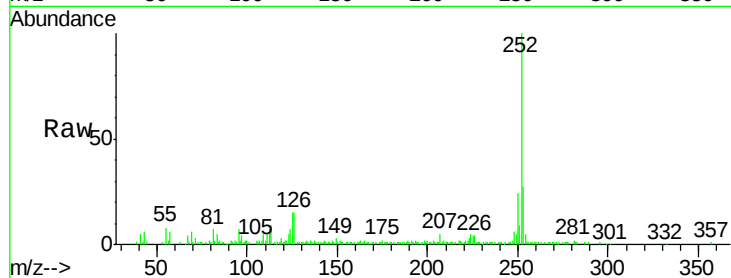




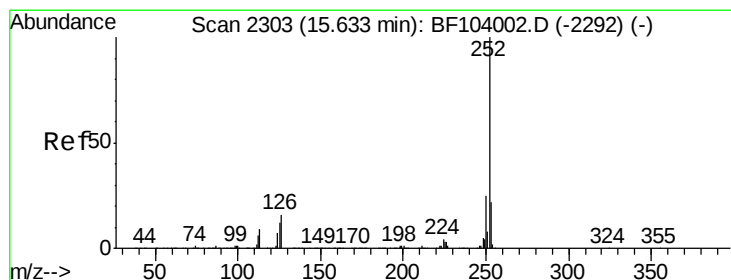
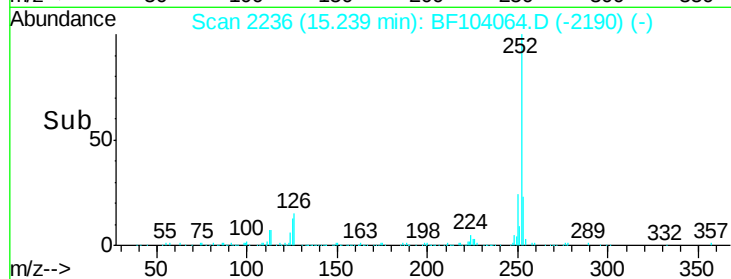
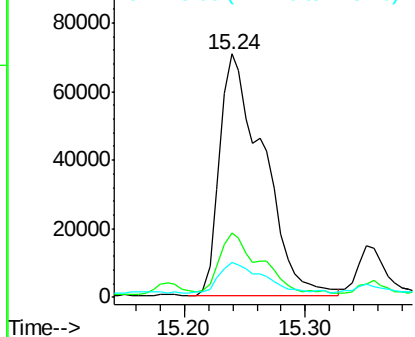
#88
Benzo(k)fluoranthene
Concen: 13.442 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 177019
Ion Ratio Lower Upper
252 100
253 26.7 17.9 26.9
125 14.6 10.2 15.2

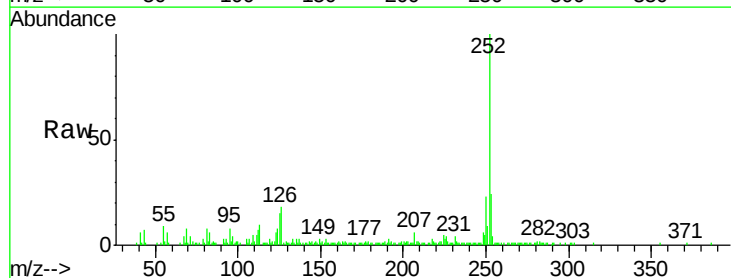


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 7.772 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BF104064.D
Acq: 29 Mar 2018 21:07

Tgt Ion:252 Resp: 100681
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 14.8 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

