

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104073.D
 Acq On : 30 Mar 2018 2:13
 Operator : JU/SJ
 Sample : J2122-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 06:52:18 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	112013	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	473747	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	194894	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	288851	20.00	ng	0.00
75) Chrysene-d12	14.16	240	238869	20.00	ng	0.00
86) Perylene-d12	15.70	264	232016	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	601402	85.62	ng	0.00
7) Phenol-d6	6.60	99	812961	94.08	ng	0.00
23) Nitrobenzene-d5	7.53	82	480021	61.97	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	162333	74.80	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	843901	68.28	ng	0.00
78) Terphenyl-d14	13.08	244	529282	51.16	ng	0.00

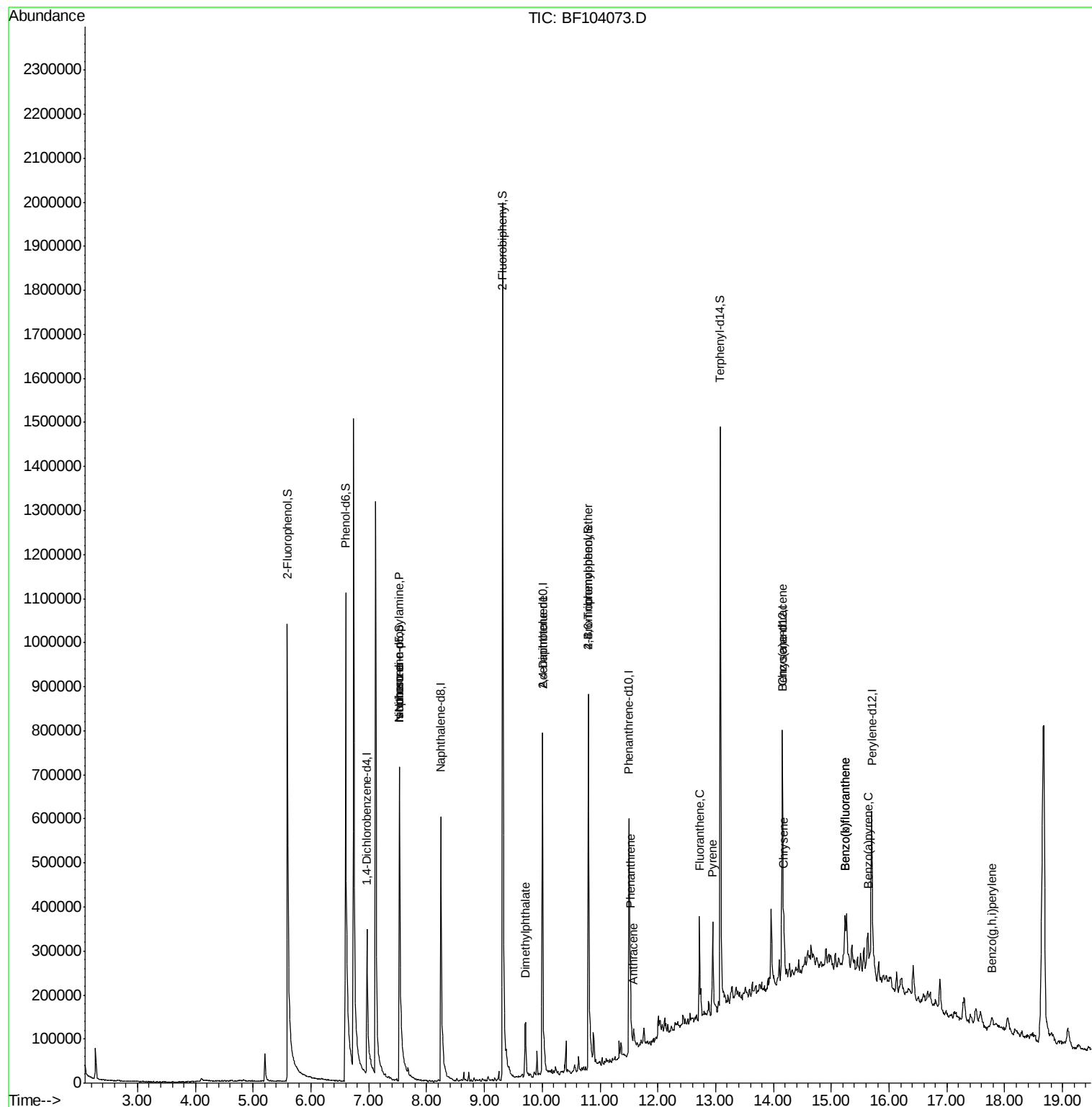
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.53	70	57798	11.270	ng	# 74
25) Isophorone	7.53	82	481514	33.728	ng	# 64
49) Dimethylphthalate	9.71	163	70254	4.566	ng	99
56) 2,4-Dinitrotoluene	10.00	165	25252	5.978	ng	# 24
66) 4-Bromophenyl-phenylether	10.80	248	9814	3.176	ng	# 1
70) Phenanthrene	11.53	178	87515	5.596	ng	99
71) Anthracene	11.58	178	35687	2.185	ng	96
74) Fluoranthene	12.72	202	129002	7.760	ng	98
77) Pyrene	12.95	202	114161	6.648	ng	100
80) Benzo(a)anthracene	14.14	228	67146	4.492	ng	96
82) Chrysene	14.18	228	52236	3.568	ng	95
87) Benzo(b)fluoranthene	15.24	252	98966	7.009	ng	# 87
88) Benzo(k)fluoranthene	15.24	252	98966	7.440	ng	# 90
89) Benzo(a)pyrene	15.63	252	52149	3.985	ng	# 88
91) Benzo(a,h,i)perylene	17.77	276	29493	2.434	ng	# 95

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

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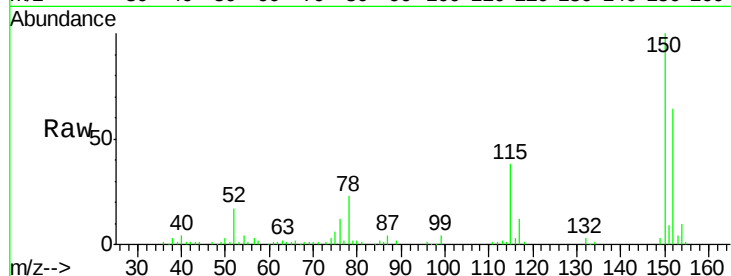


#1

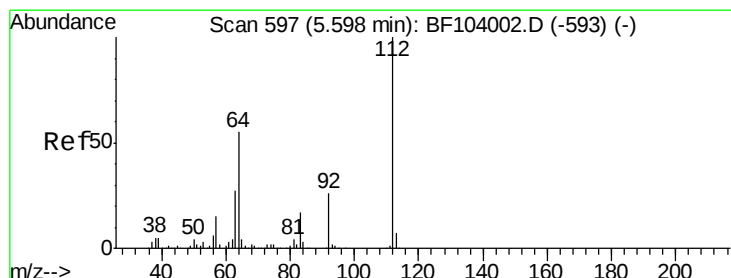
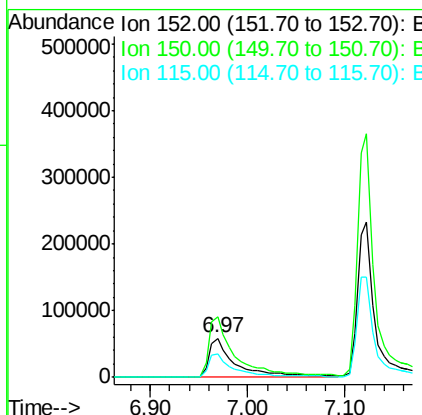
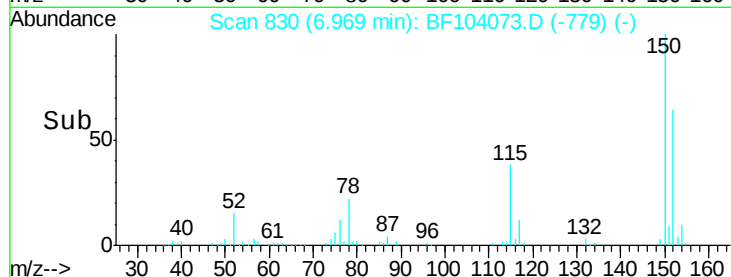
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	60.3	50.1	75.1



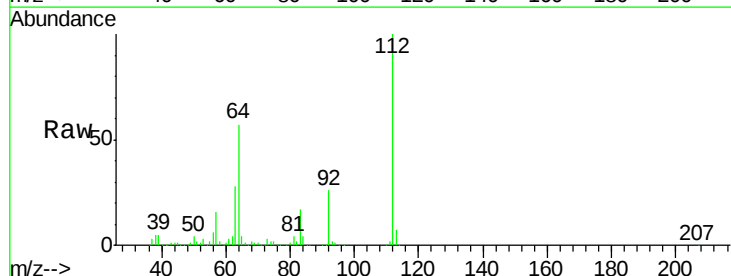
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



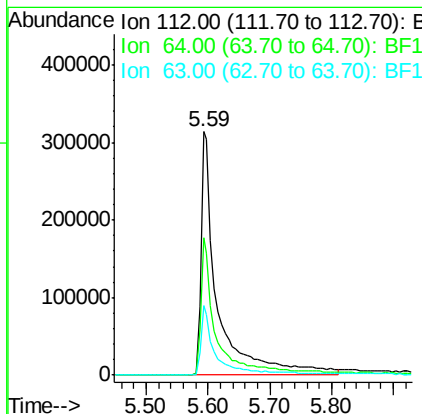
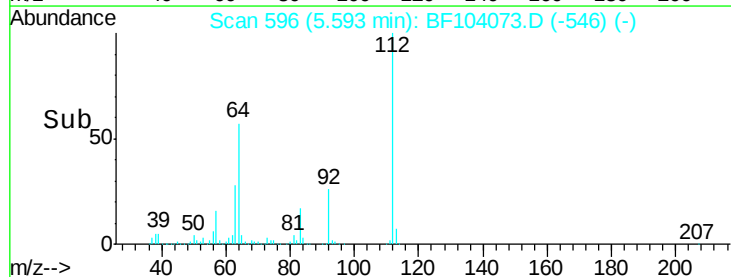
#5

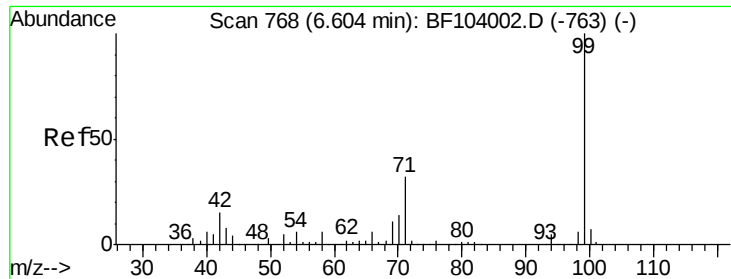
2-Fluorophenol
Concen: 85.623 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	28.4	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: 94.077 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Instrument :

BNA_F

ClientSampled :

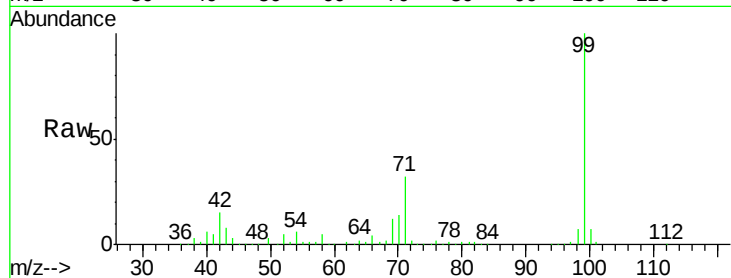
Tot Ion: 99 Resp: 812961

Ion Ratio Lower Upper

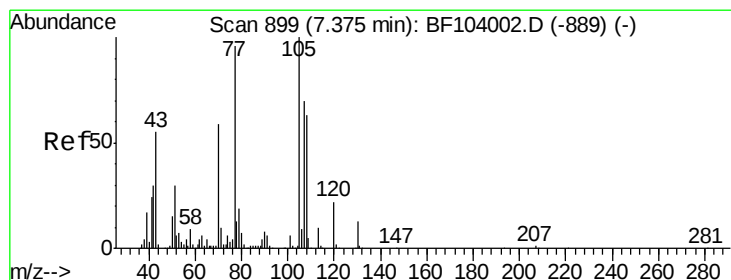
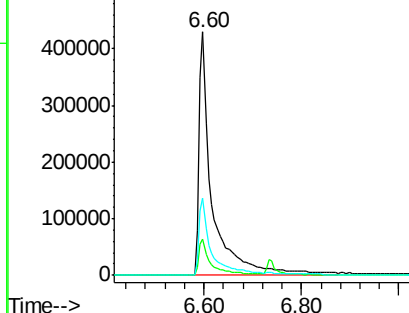
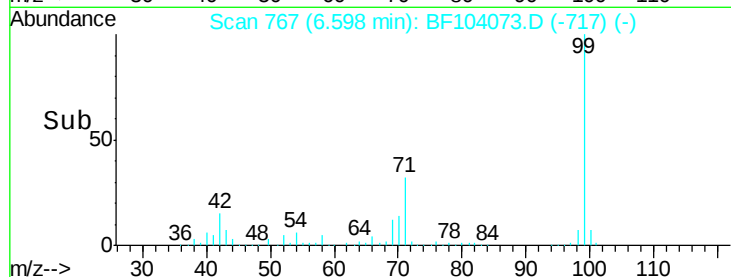
99 100

42 14.8 14.5 21.7

71 31.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 11.270 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Tgt Ion: 70 Resp: 57798

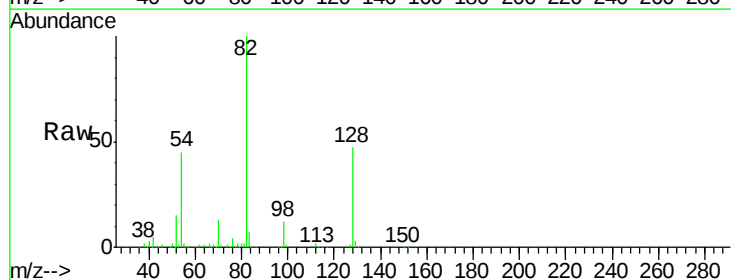
Ion Ratio Lower Upper

70 100

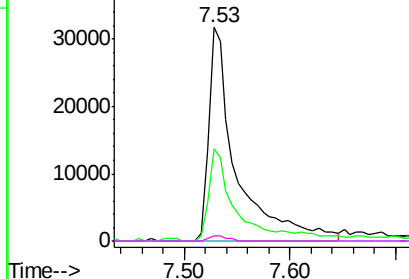
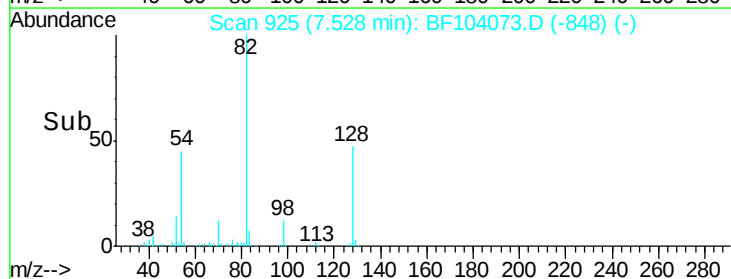
42 43.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

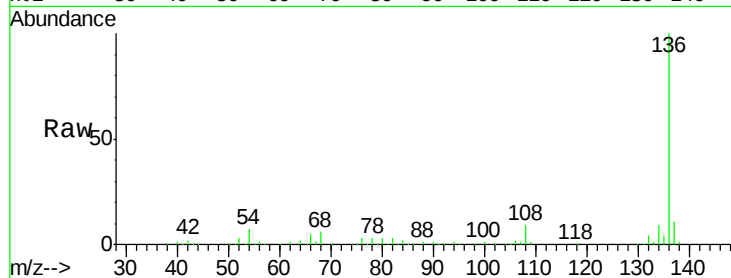




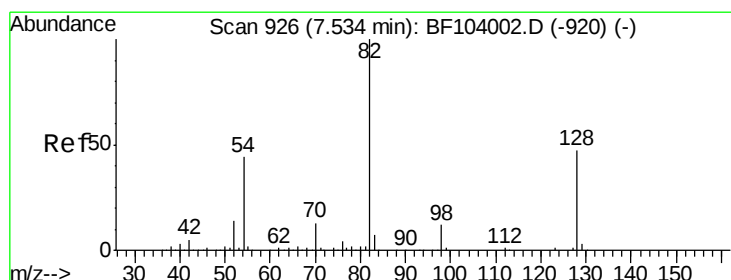
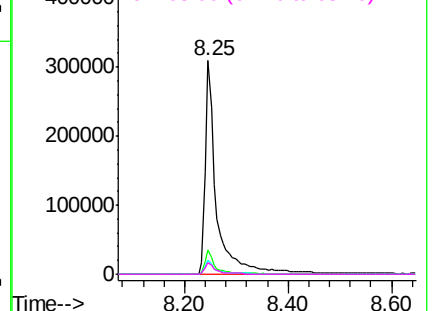
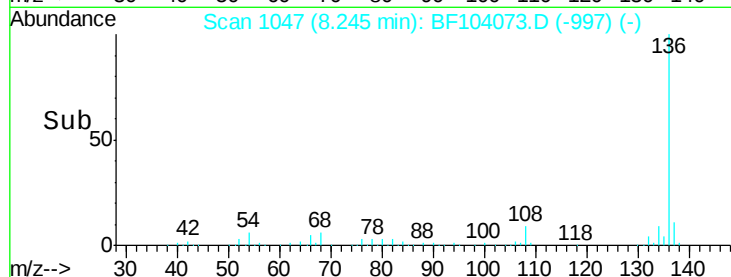
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	473747
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.9 13.3
54	6.5	6.6 9.8#
68	5.7	5.0 7.4

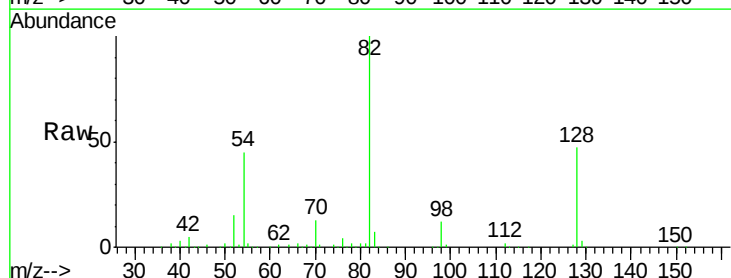


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

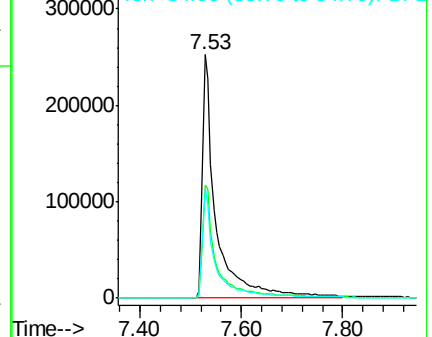
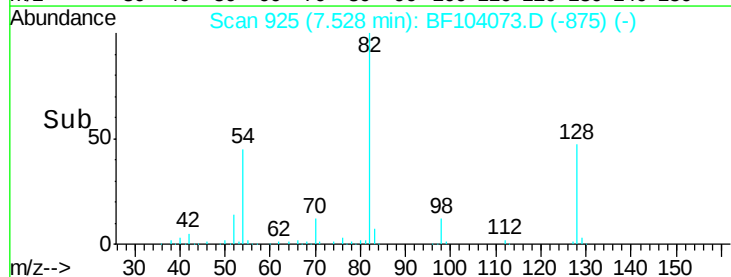


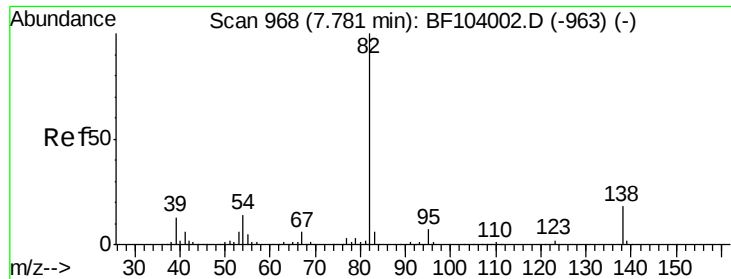
#23
Nitrobenzene-d5
Concen: 61.965 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Tgt Ion: 82	Resp:	480021
Ion Ratio	Lower	Upper
82	100	
128	46.5	36.1 54.1
54	45.0	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.728 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.25 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Instrument :

BNA_F

ClientSampleId :

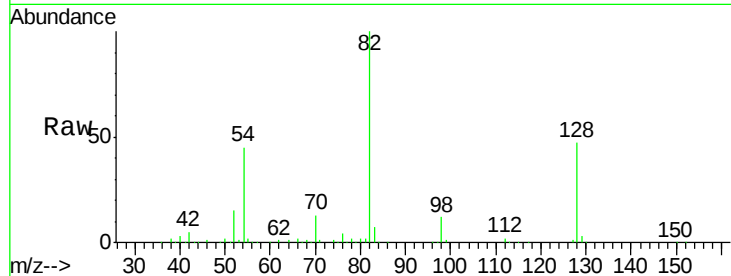
Tot Ion: 82 Resp: 481514

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

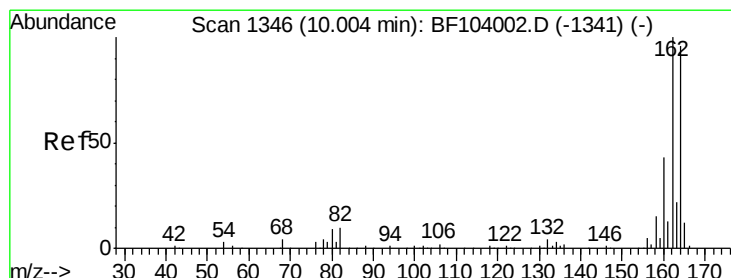
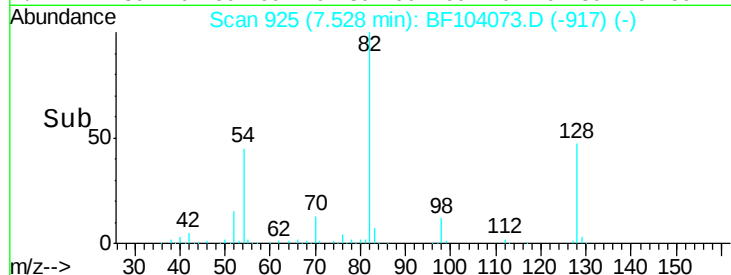
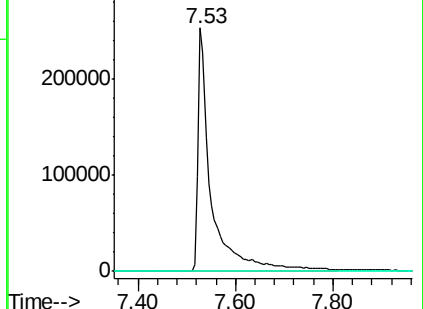
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

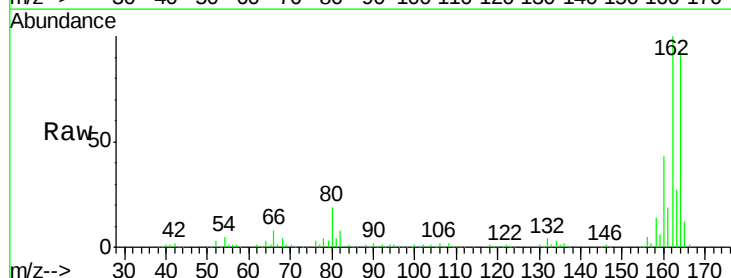
Tgt Ion:164 Resp: 194894

Ion Ratio Lower Upper

164 100

162 107.5 86.1 129.1

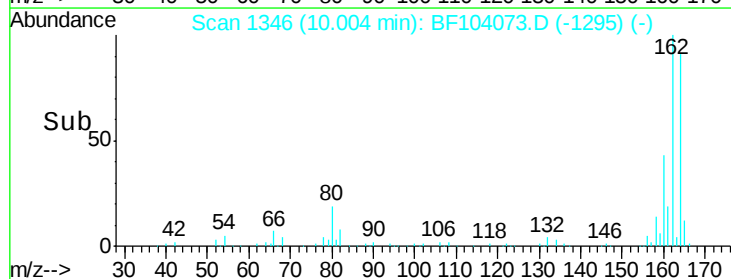
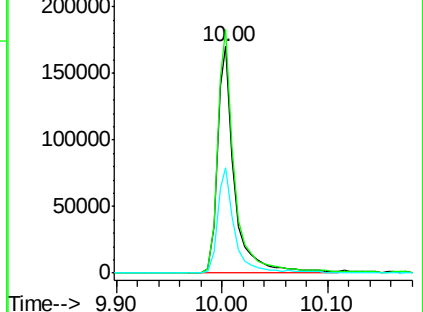
160 46.3 38.3 57.5



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

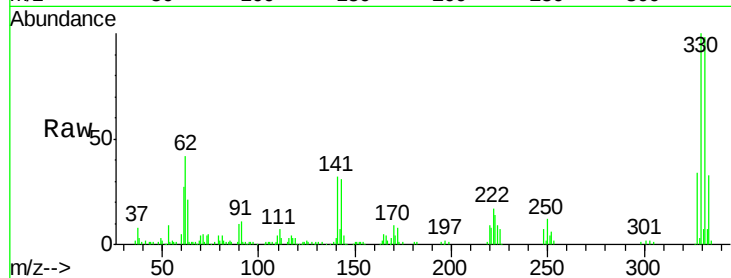




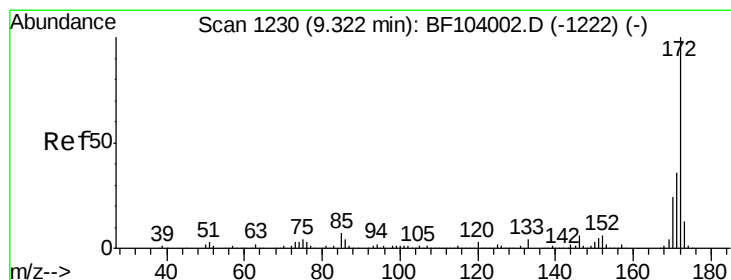
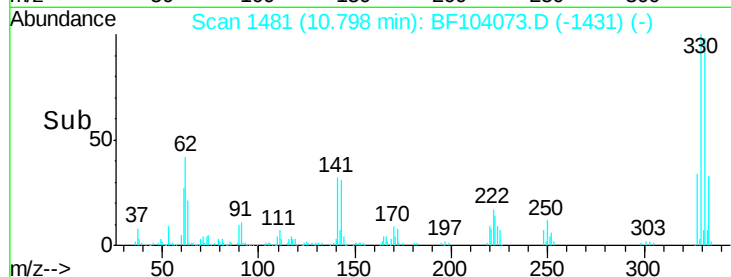
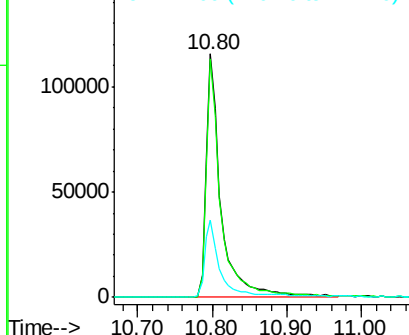
#41
 2,4,6-Tribromophenol
 Concen: 74.803 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104073.D
 Acq: 30 Mar 2018 2:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	330	Resp	162333
Ion Ratio	100	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	31.6	29.9	44.9

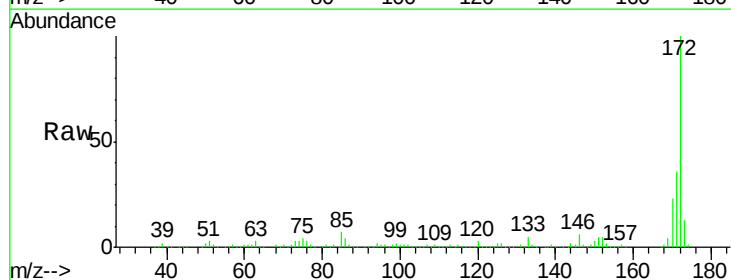


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

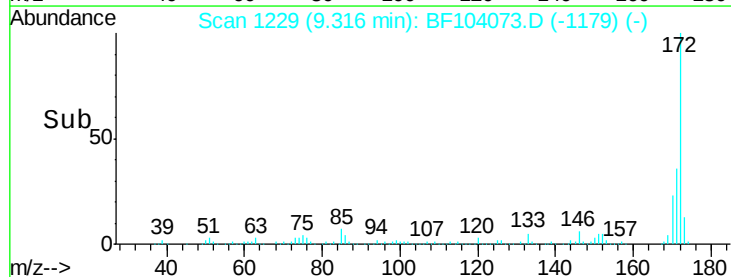
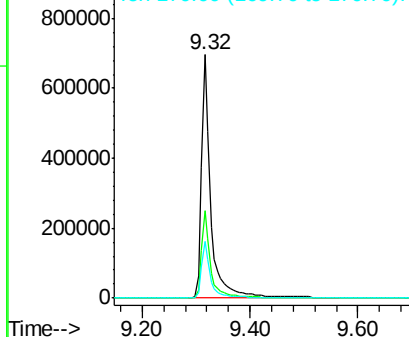


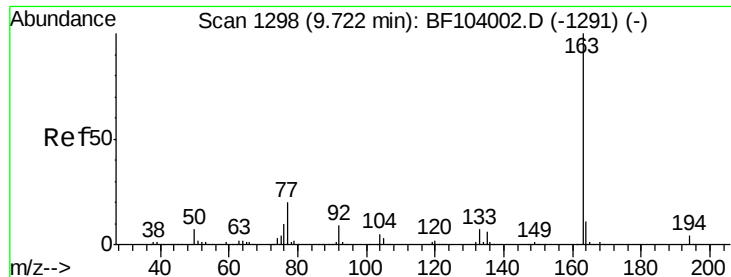
#44
 2-Fluorobiphenyl
 Concen: 68.281 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104073.D
 Acq: 30 Mar 2018 2:13

Tgt Ion	172	Resp	843901
Ion Ratio	100	Lower	Upper
172	100		
171	35.7	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

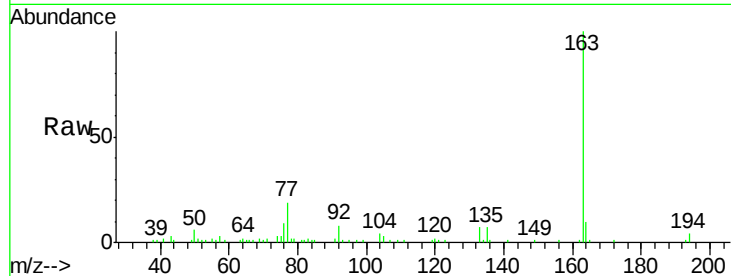




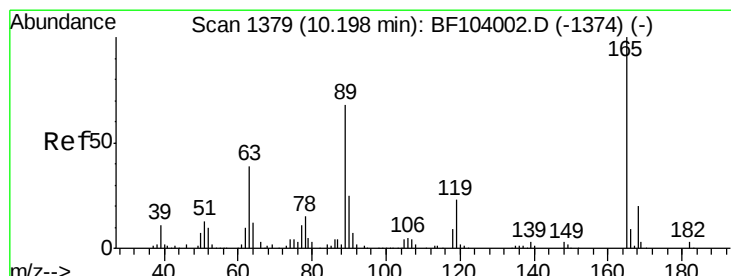
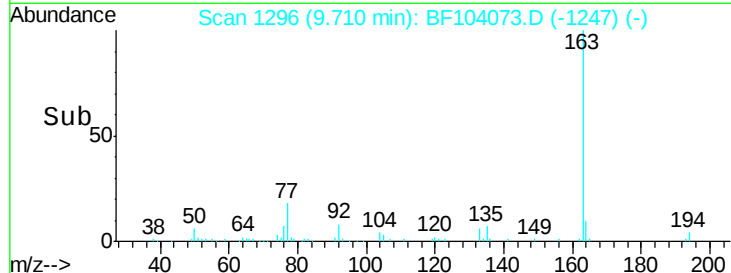
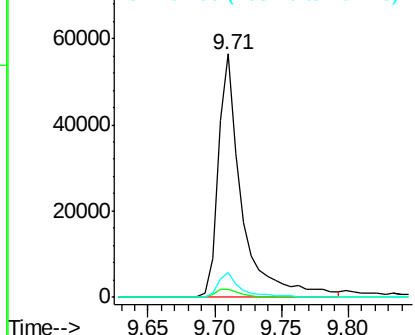
#49
Dimethylphthalate
Concen: 4.566 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 70254
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.0 8.2 12.2

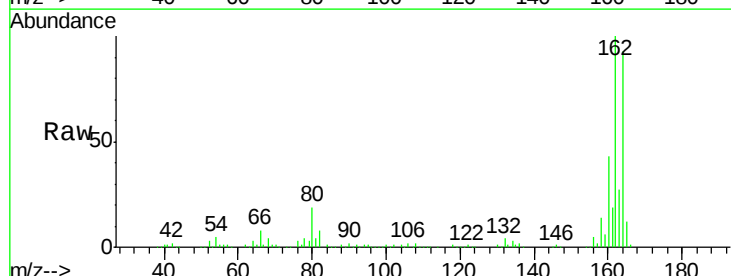


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

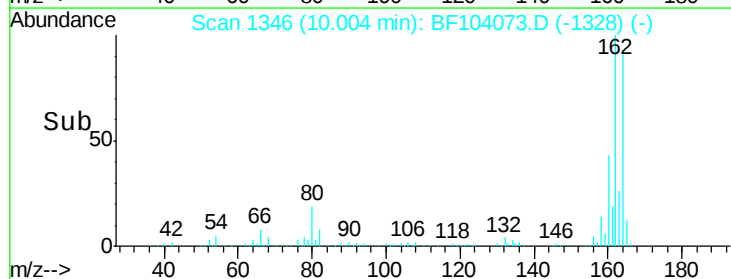
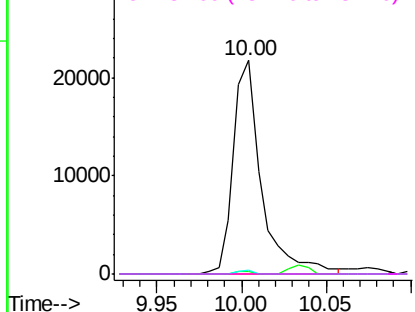


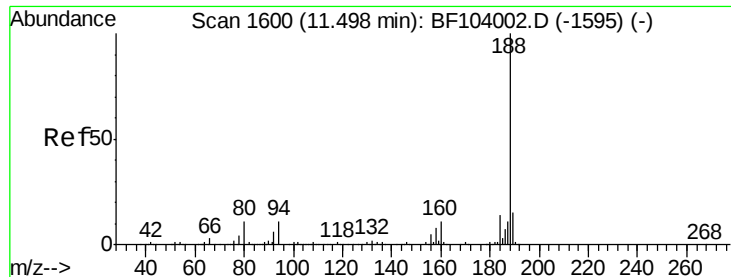
#56
2,4-Dinitrotoluene
Concen: 5.978 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.19 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Tgt Ion:165 Resp: 25252
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 2.0 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

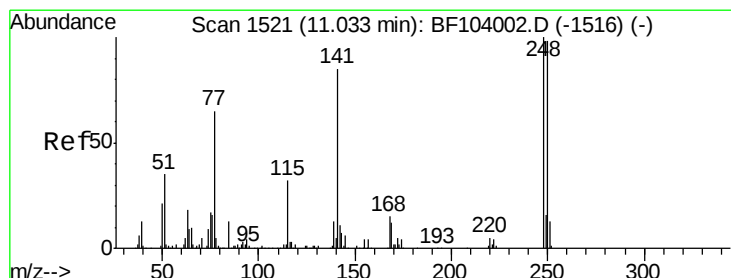
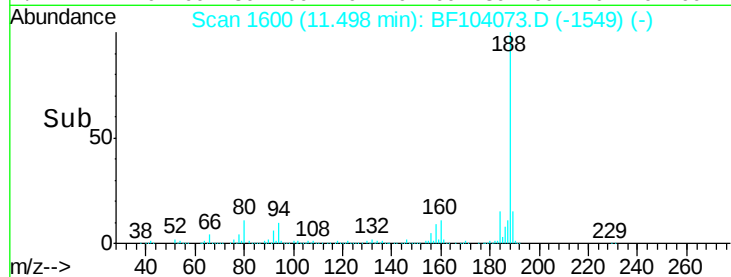
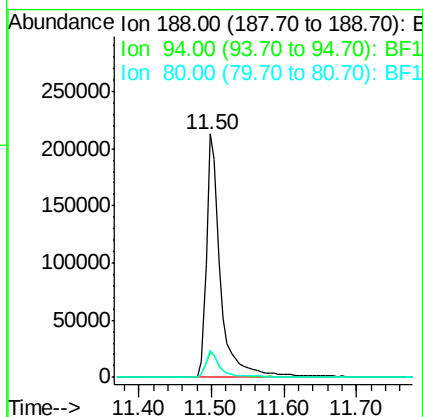
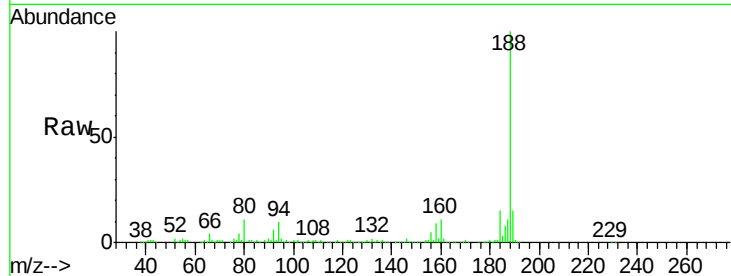




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

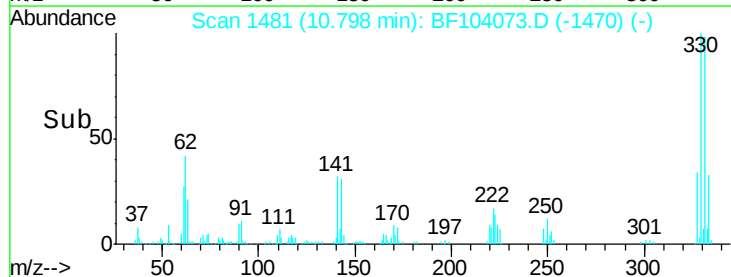
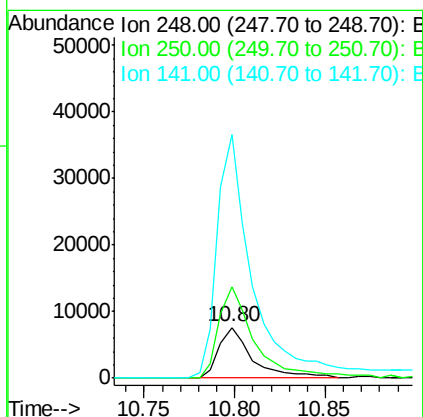
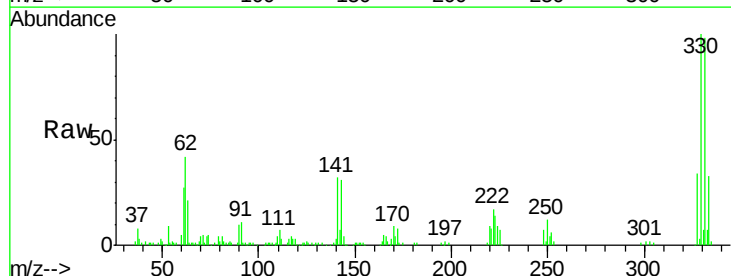
Instrument :
BNA_F
ClientSampleId :

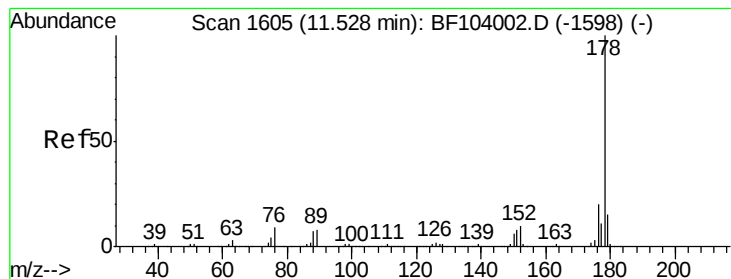
Tot Ion:188 Resp: 288851
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.5 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.176 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.24 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Tgt Ion:248 Resp: 9814
Ion Ratio Lower Upper
248 100
250 180.1 76.9 115.3#
141 479.9 74.4 111.6#





#70

Phenanthrene

Concen: 5.596 ng

RT: 11.53 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

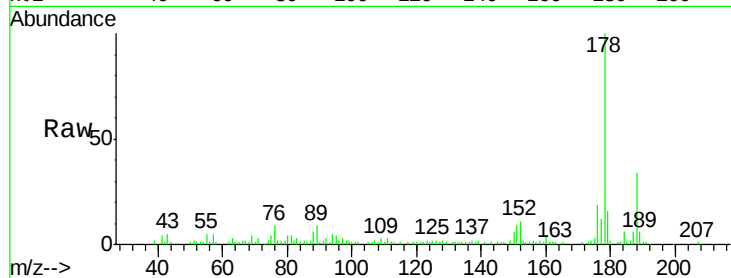
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 87515

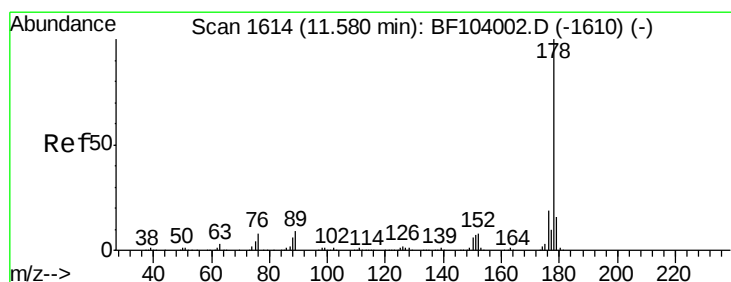
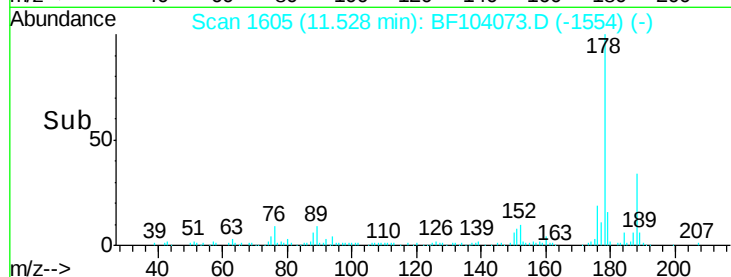
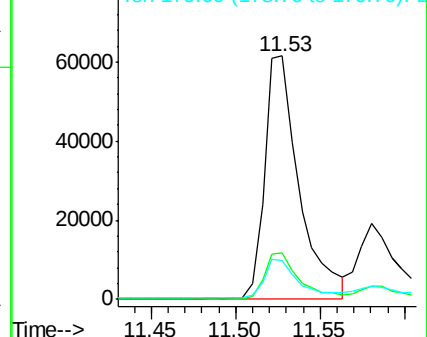
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.0	13.0	19.6



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: 2.185 ng

RT: 11.58 min Scan# 1614

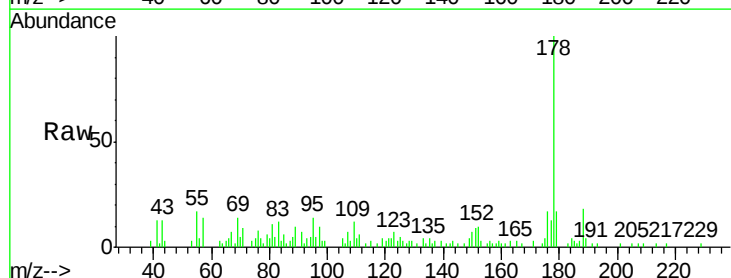
Delta R.T. -0.00 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Tgt Ion:178 Resp: 35687

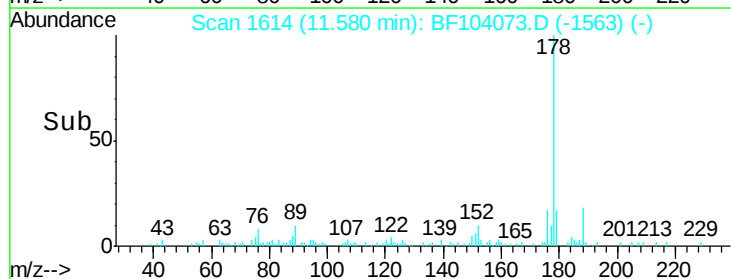
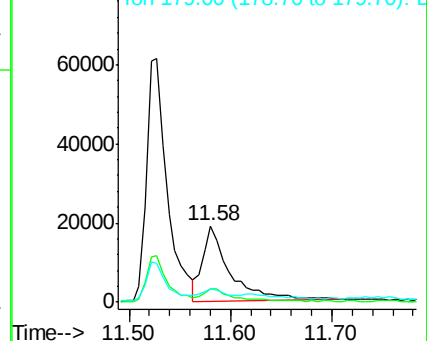
Ion	Ratio	Lower	Upper
178	100		
176	16.9	15.4	23.2
179	17.1	12.6	19.0

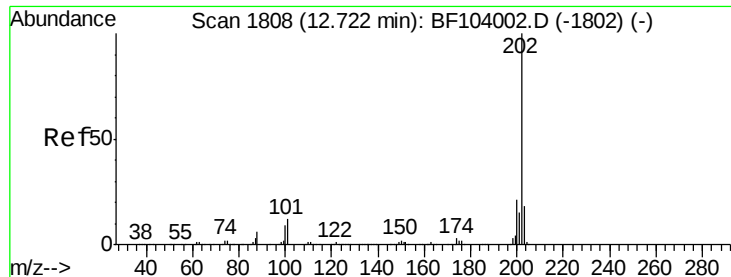


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

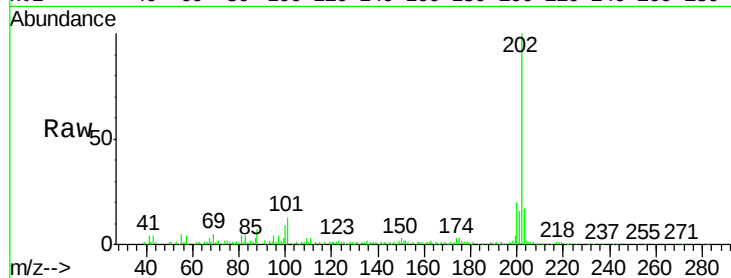




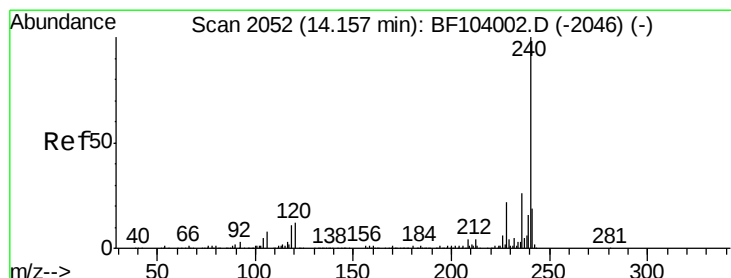
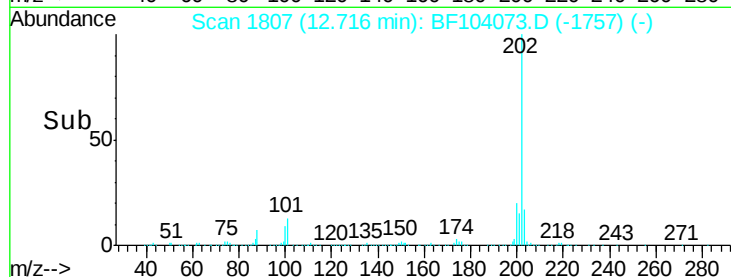
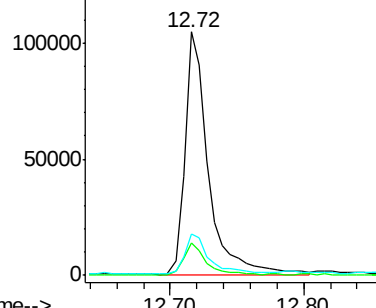
#74
Fluoranthene
Concen: 7.760 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.01 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	34.1
203	17.1	0.0	38.1

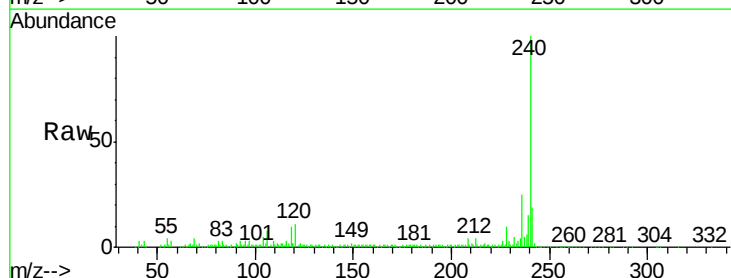


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

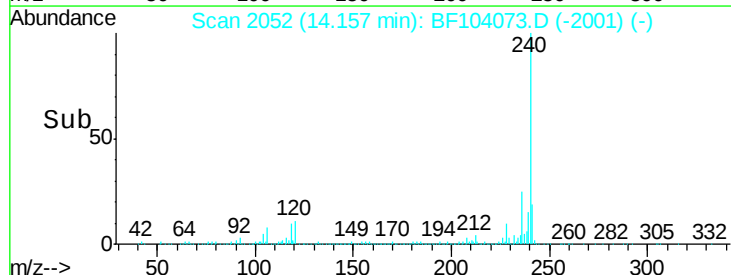
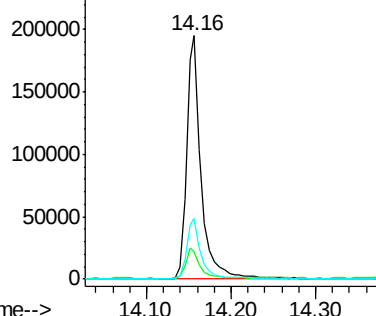


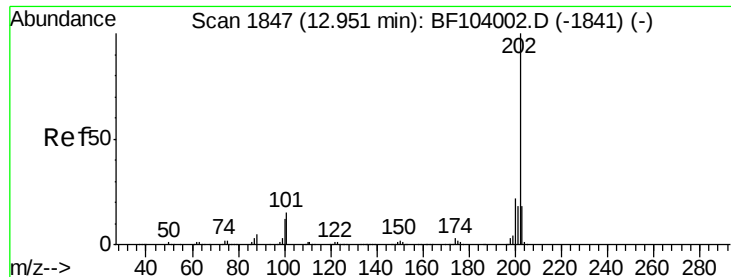
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.5	14.3
236	25.1	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: 6.648 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Instrument :

BNA_F

ClientSampled :

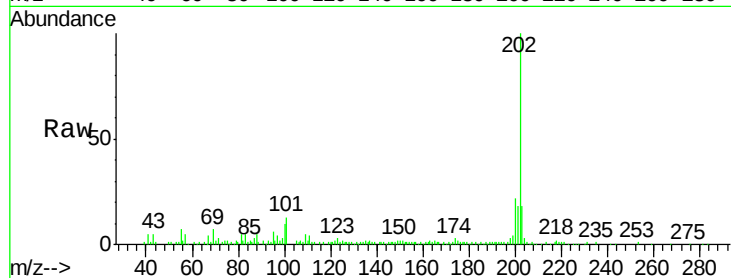
Tot Ion:202 Resp: 114161

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

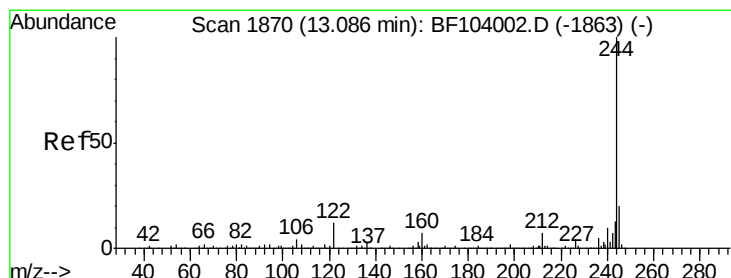
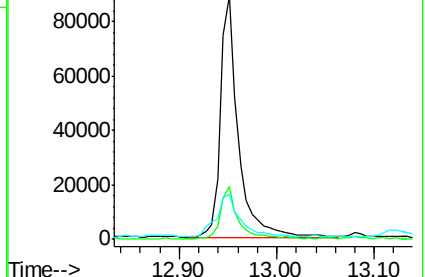
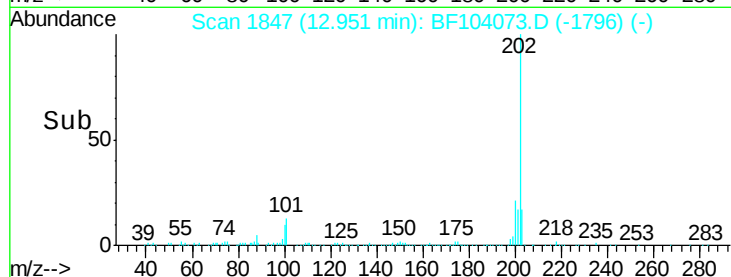
203 18.3 14.3 21.5



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: 51.161 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

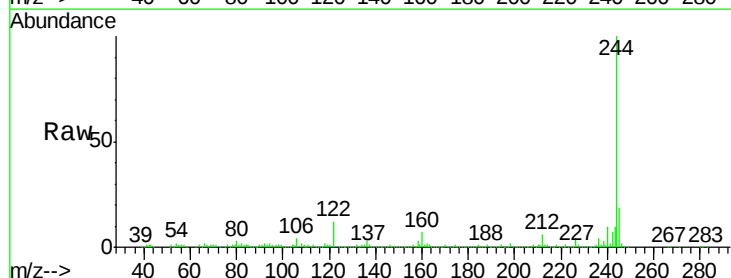
Tgt Ion:244 Resp: 529282

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

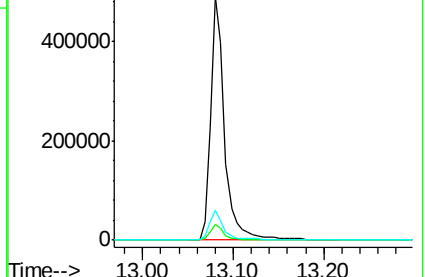
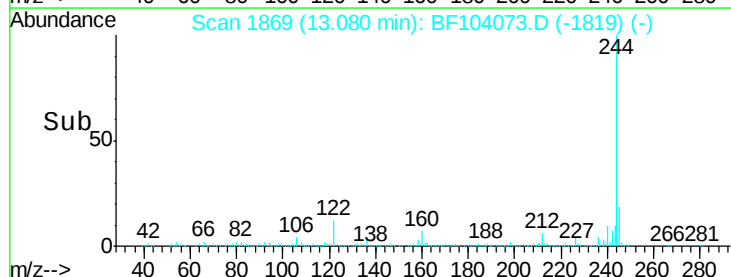
122 12.4 11.0 16.4

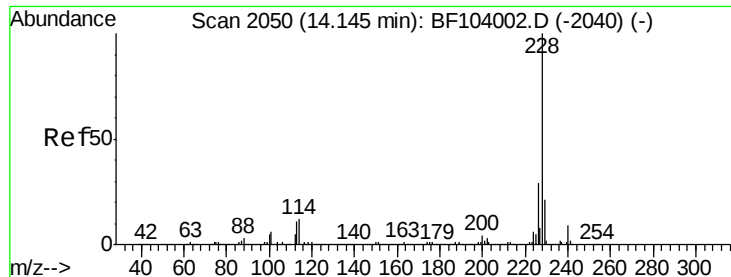


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

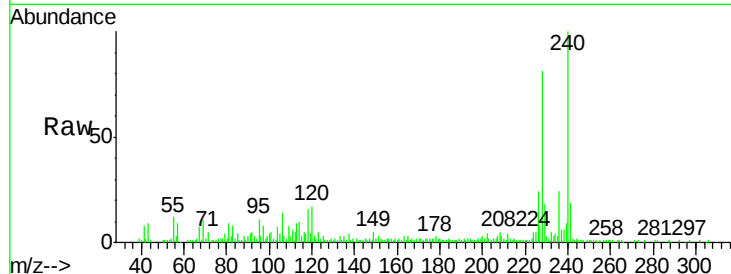




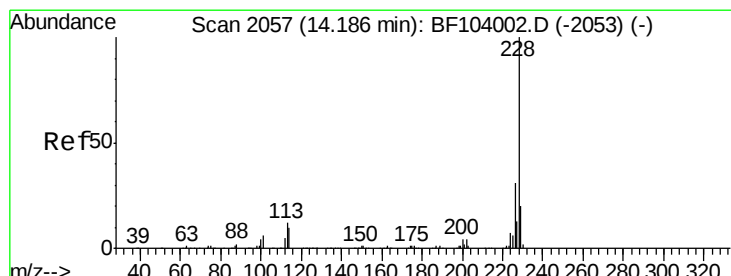
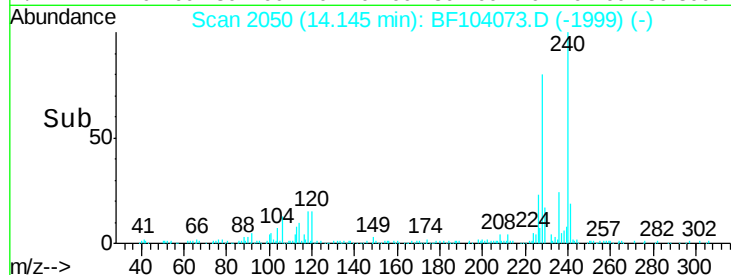
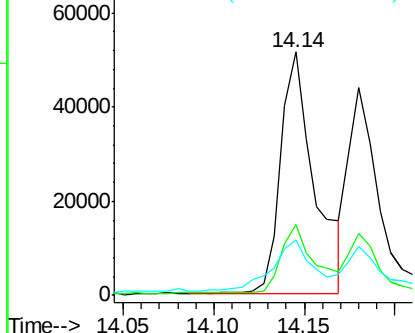
#80
Benzo(a)anthracene
Concen: 4.492 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 67146
Ion Ratio Lower Upper
228 100
226 29.2 22.6 33.8
229 22.6 15.8 23.6

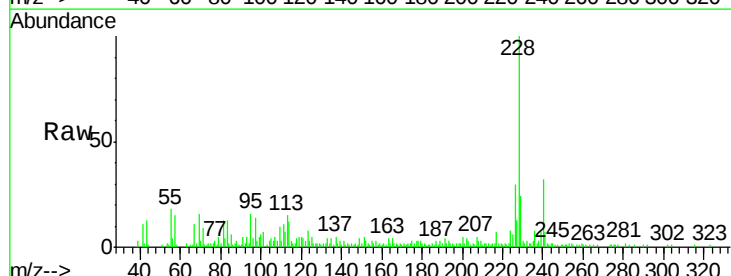


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

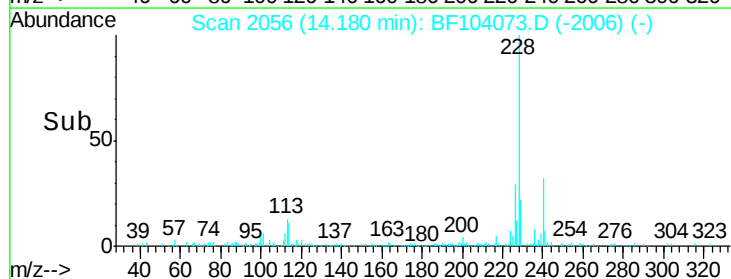
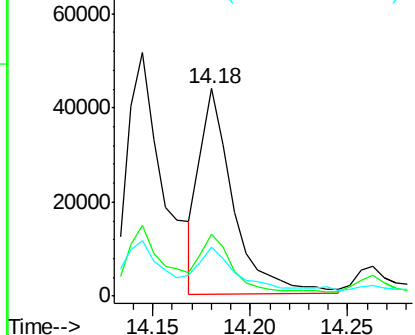


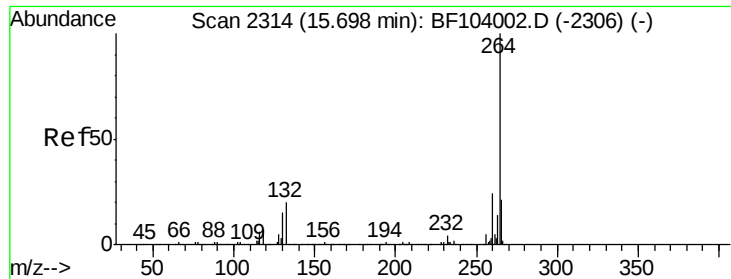
#82
Chrysene
Concen: 3.568 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Tgt Ion:228 Resp: 52236
Ion Ratio Lower Upper
228 100
226 29.8 25.0 37.6
229 23.9 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

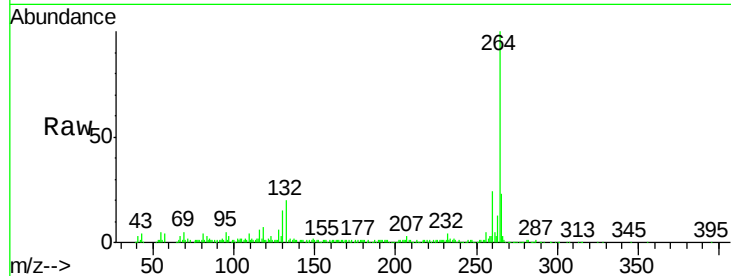




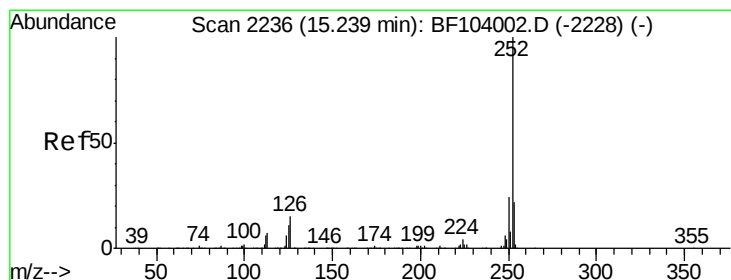
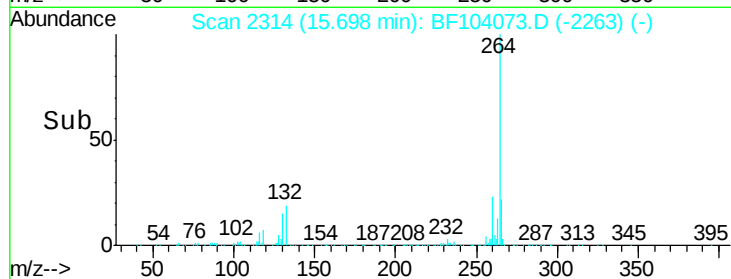
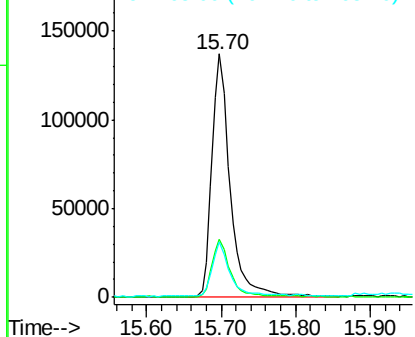
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.00 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.8	17.5	26.3

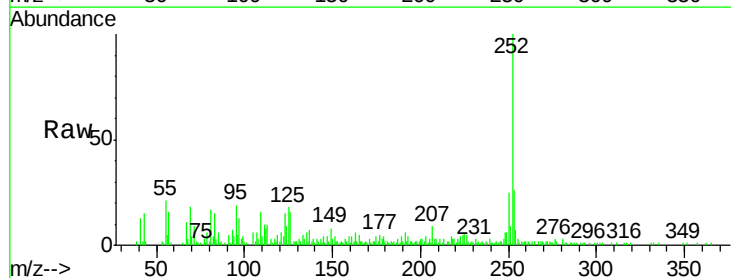


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

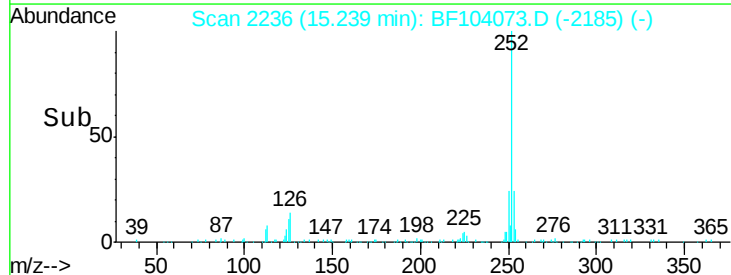
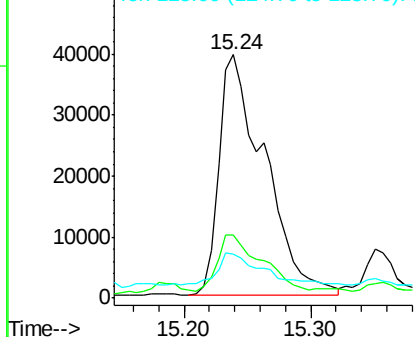


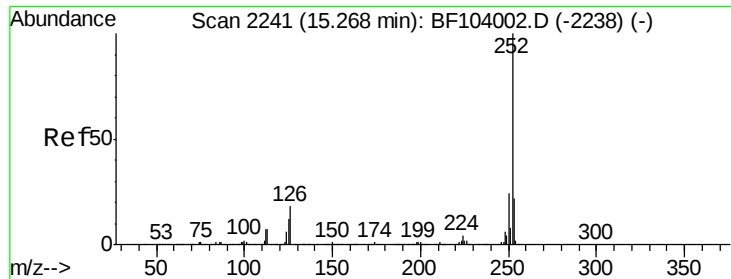
#87
Benzo(b)fluoranthene
Concen: 7.009 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.0	25.6#
125	18.1	9.0	13.6#



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

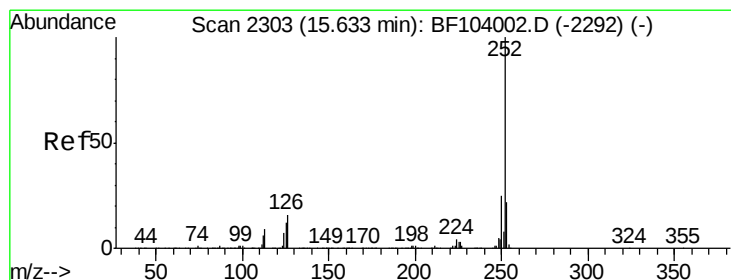
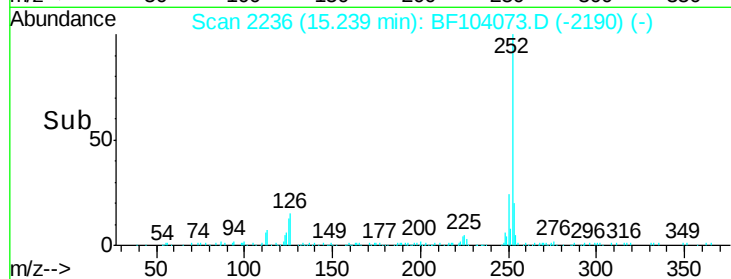
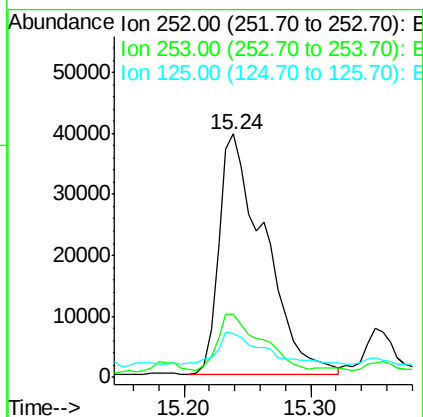
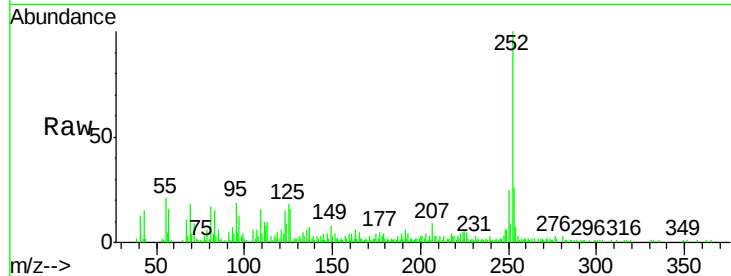




#88
Benzo(k)fluoranthene
Concen: 7.440 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

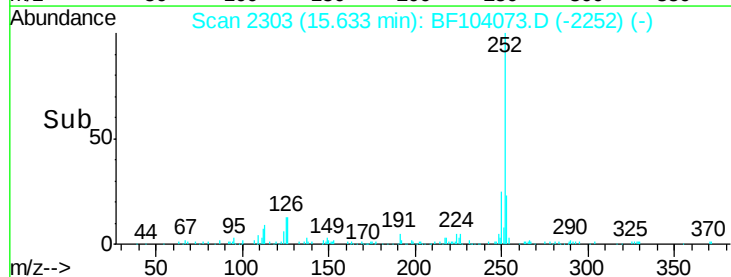
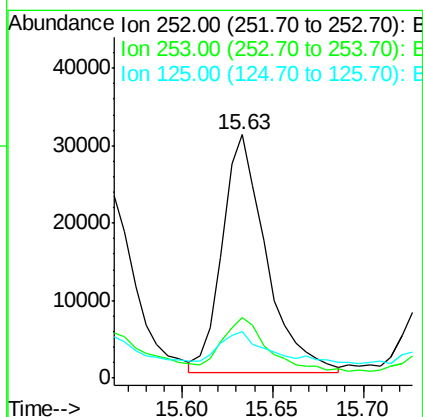
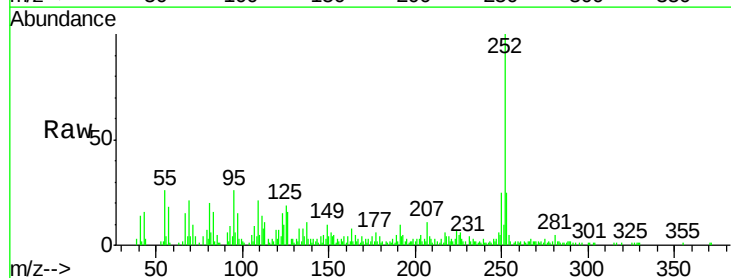
Instrument :
BNA_F
ClientSampleId :

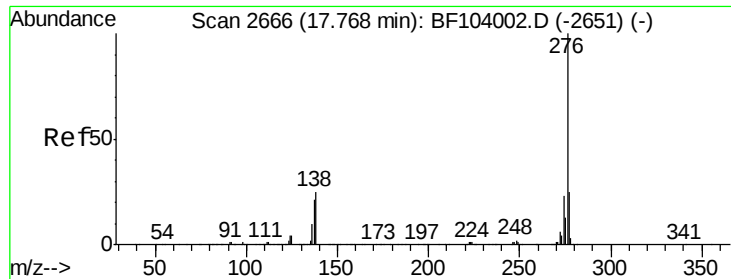
Tot Ion:252 Resp: 98966
Ion Ratio Lower Upper
252 100
253 26.0 17.9 26.9
125 18.1 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 3.985 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BF104073.D
Acq: 30 Mar 2018 2:13

Tgt Ion:252 Resp: 52149
Ion Ratio Lower Upper
252 100
253 25.1 17.1 25.7
125 19.2 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.434 ng

RT: 17.77 min Scan# 2667

Delta R.T. 0.01 min

Lab File: BF104073.D

Acq: 30 Mar 2018 2:13

Instrument :

BNA_F

ClientSampleId :

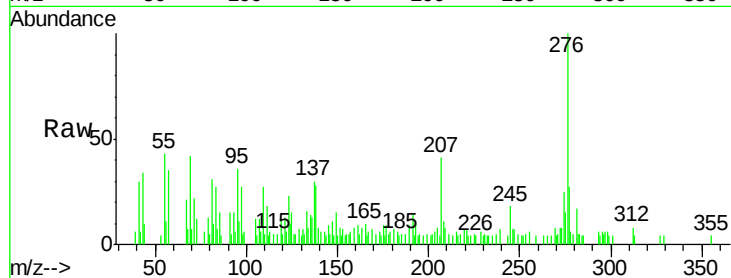
Tot Ion: 276 Resp: 29493

Ion Ratio Lower Upper

276 100

277 27.0 17.9 26.9#

138 27.6 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

