

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
 Data File : BF104281.D
 Acq On : 5 Apr 2018 20:34
 Operator : JU/SJ
 Sample : J2183-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 06 01:09:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 04 18:06:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	100871	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	476714	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	224828	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	420409	20.00	ng	0.00
75) Chrysene-d12	14.13	240	347463	20.00	ng	-0.01
86) Perylene-d12	15.67	264	269643	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	914432	144.57	ng	-0.01
7) Phenol-d6	6.59	99	1289688	165.73	ng	-0.02
23) Nitrobenzene-d5	7.51	82	768313	98.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	354395	141.56	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	1361128	95.47	ng	0.00
78) Terphenyl-d14	13.06	244	1287127	85.53	ng	0.00

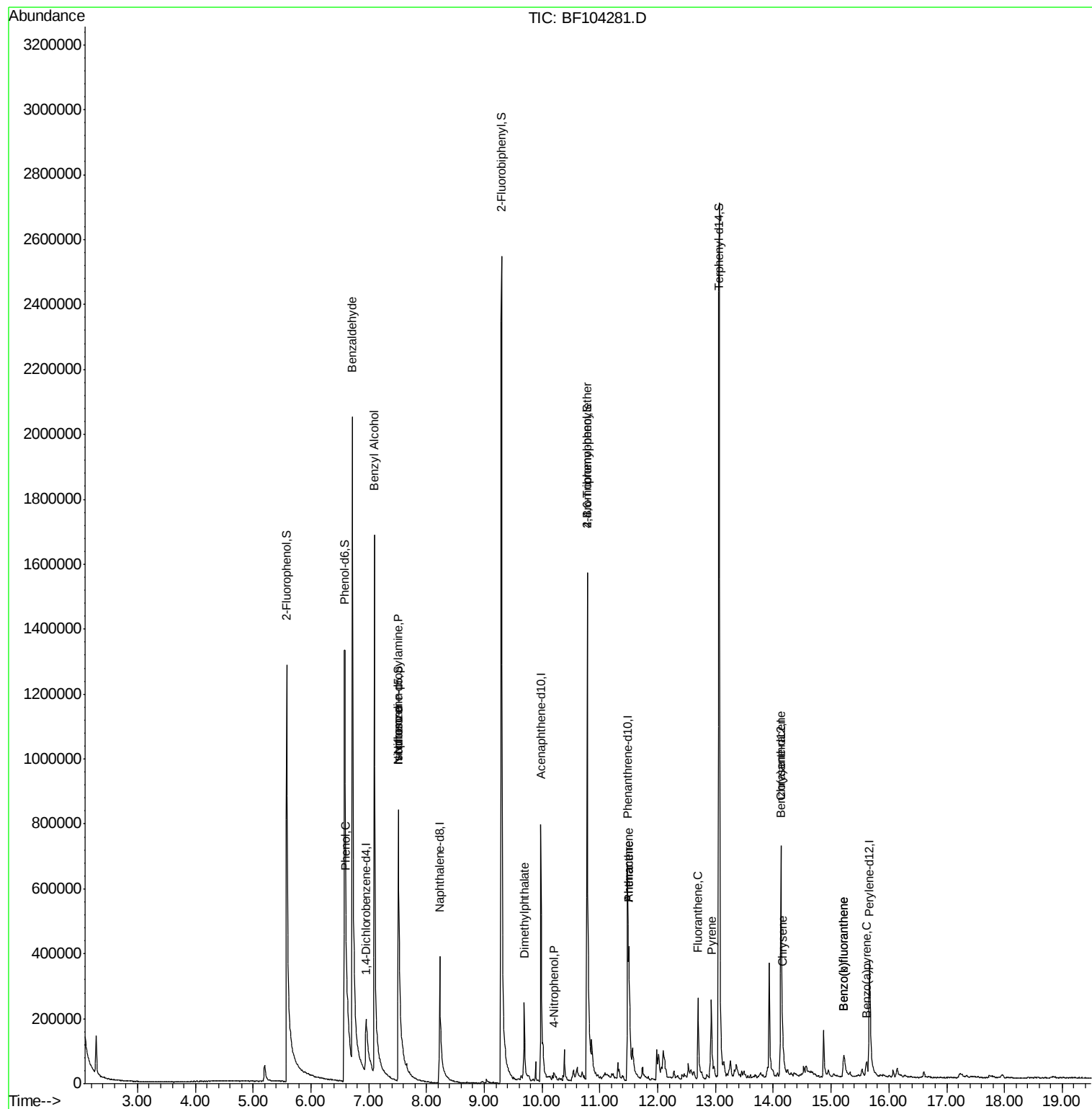
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	19509	3.318	ng	85
10) Phenol	6.61	94	17887	2.074	ng	# 1
15) Benzyl Alcohol	7.10	79	11949	2.362	ng	# 38
19) n-Nitroso-di-n-propylamine	7.51	70	86114	18.646	ng	# 73
25) Isophorone	7.51	82	791581	55.102	ng	# 64
49) Dimethylphthalate	9.69	163	169270	9.536	ng	99
55) 4-Nitrophenol	10.20	139	6421	2.439	ng	# 9
66) 4-Bromophenyl-phenylether	10.78	248	20510	4.560	ng	# 1
70) Phenanthrene	11.50	178	189575	8.329	ng	99
71) Anthracene	11.50	178	189575	7.974	ng	99
74) Fluoranthene	12.70	202	176768	7.306	ng	98
77) Pylene	12.93	202	148605	5.950	ng	96
80) Benzo(a)anthracene	14.12	228	70156	3.227	ng	95
82) Chrysene	14.16	228	63544	2.984	ng	98
87) Benzo(b)fluoranthene	15.22	252	64018	3.901	ng	# 92
88) Benzo(k)fluoranthene	15.22	252	64018	4.141	ng	# 95
89) Benzo(a)pyrene	15.60	252	33748	2.219	ng	94

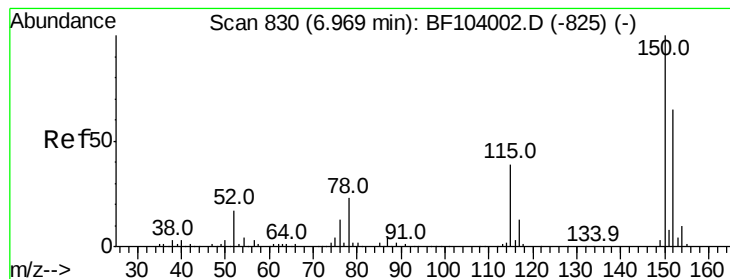
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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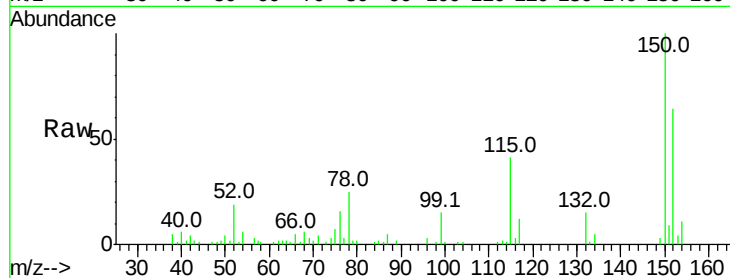


#1

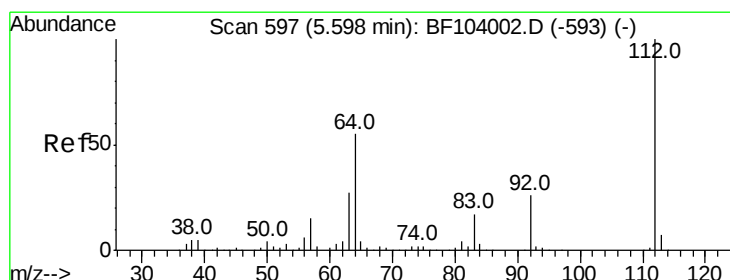
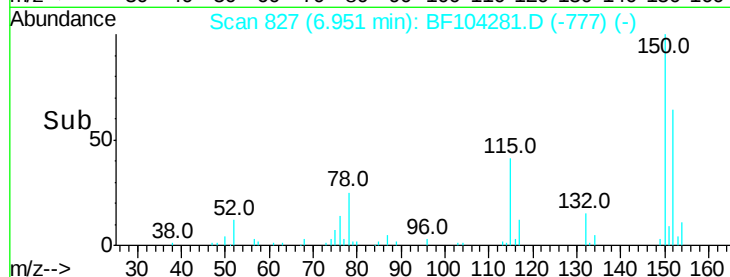
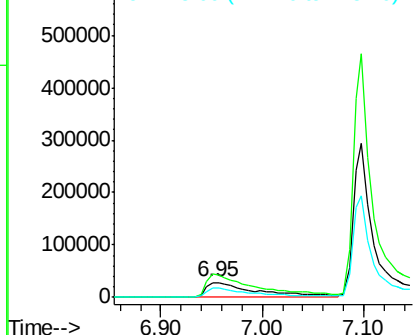
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF104281.D
 Acq: 5 Apr 2018 20:34

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:152 Resp: 100871
 Ion Ratio Lower Upper
 152 100
 150 156.7 124.6 186.8
 115 64.7 50.1 75.1



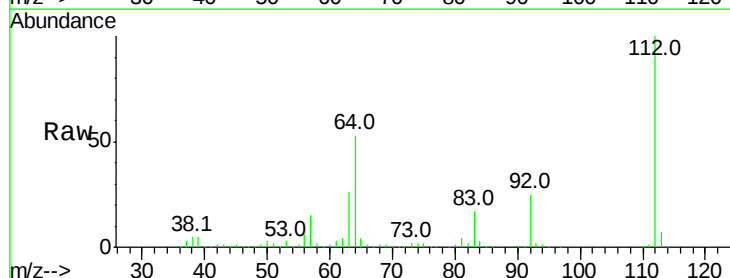
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



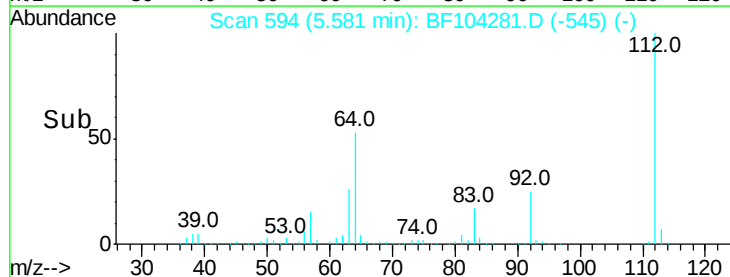
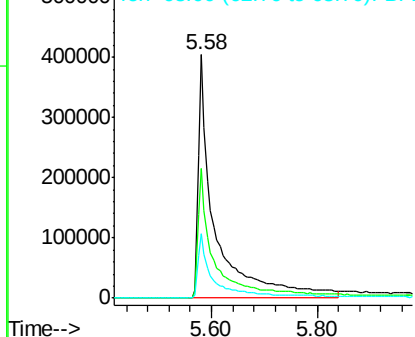
#5

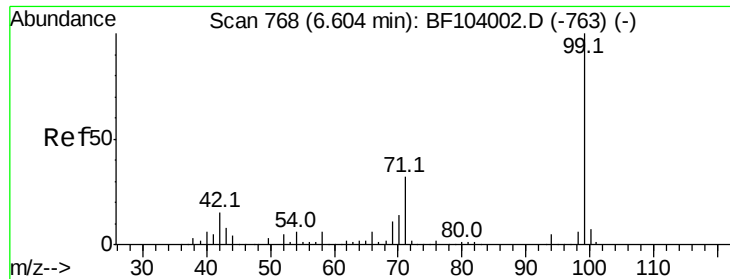
2-Fluorophenol
 Concen: 144.570 ng
 RT: 5.58 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: BF104281.D
 Acq: 5 Apr 2018 20:34

Tgt Ion:112 Resp: 914432
 Ion Ratio Lower Upper
 112 100
 64 53.2 47.9 71.9
 63 26.4 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: 165.729 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF104281.D

Acq: 5 Apr 2018 20:34

Instrument :

BNA_F

ClientSampleId :

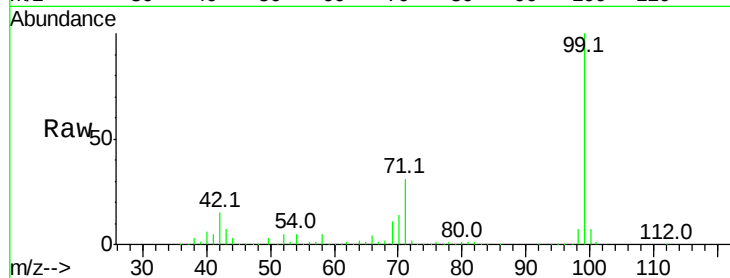
Tot Ion: 99 Resp: 1289688

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

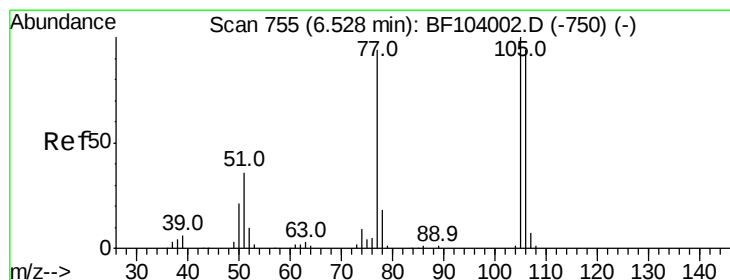
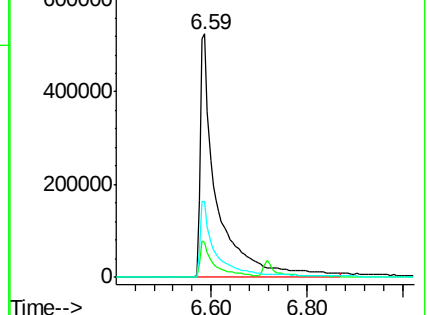
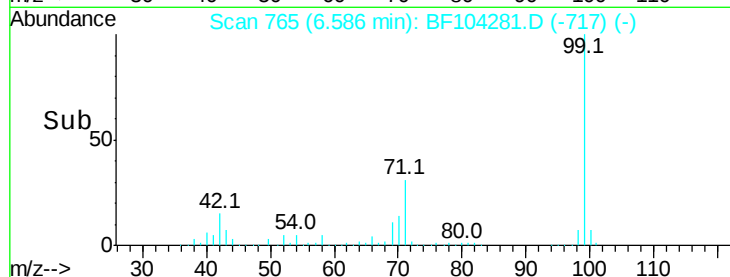
71 31.1 25.4 38.0



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: 3.318 ng

RT: 6.72 min Scan# 787

Delta R.T. 0.20 min

Lab File: BF104281.D

Acq: 5 Apr 2018 20:34

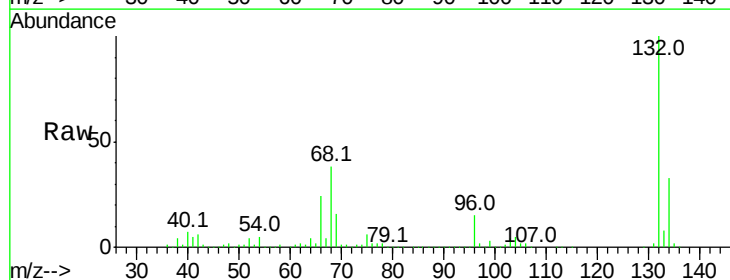
Tgt Ion: 77 Resp: 19509

Ion Ratio Lower Upper

77 100

105 82.9 81.1 121.1

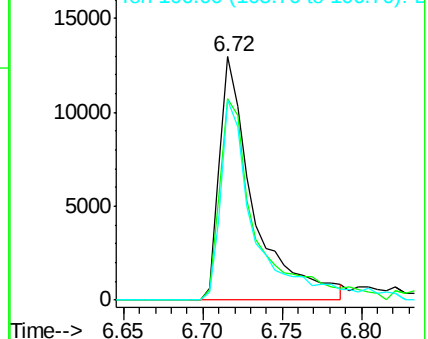
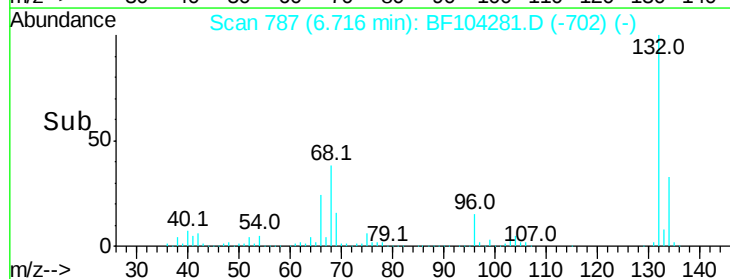
106 82.2 74.5 114.5

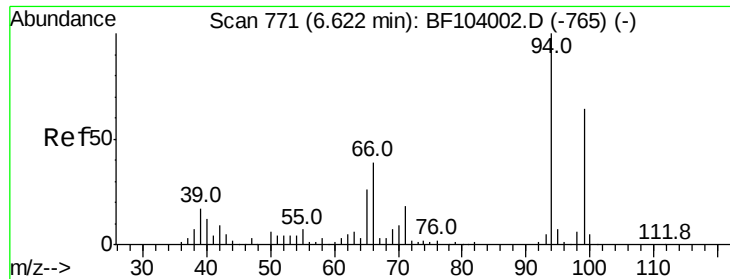


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.074 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF104281.D

Acq: 5 Apr 2018 20:34

Instrument :

BNA_F

ClientSampleId :

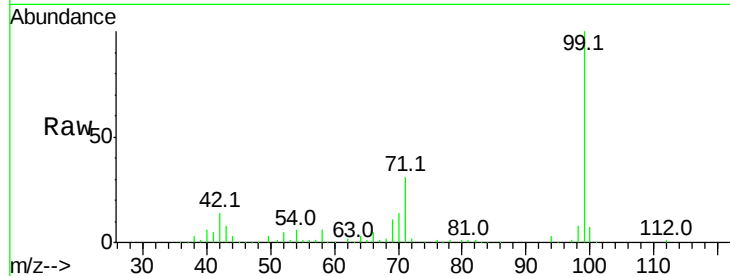
Tot Ion: 94 Resp: 17887

Ion Ratio Lower Upper

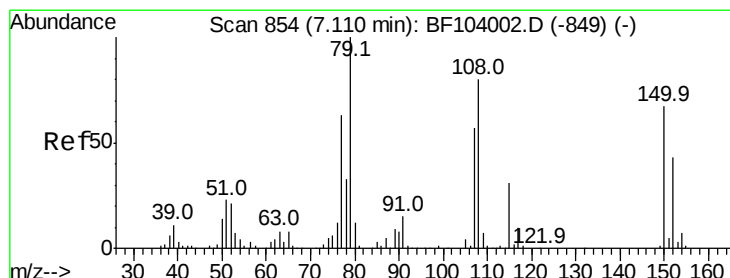
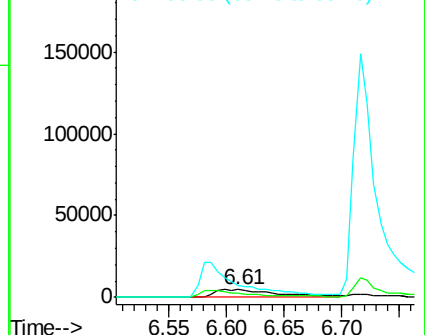
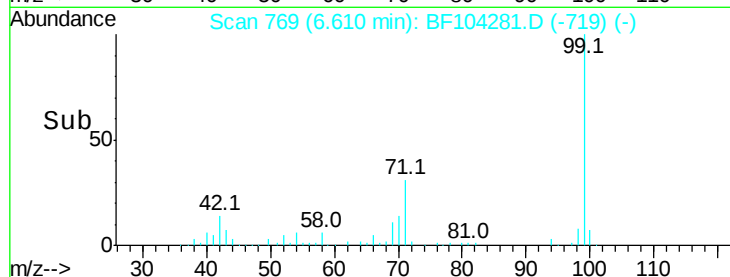
94 100

65 48.2 7.9 47.9#

66 163.2 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#15

Benzyl Alcohol

Concen: 2.362 ng

RT: 7.10 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF104281.D

Acq: 5 Apr 2018 20:34

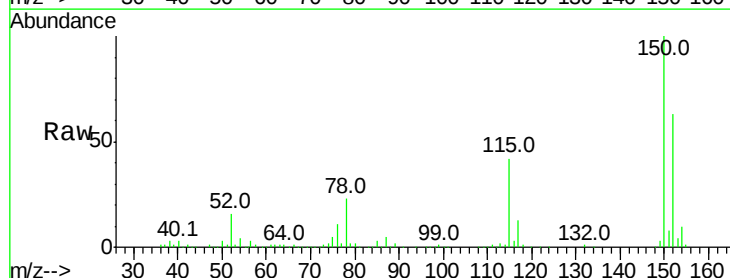
Tgt Ion: 79 Resp: 11949

Ion Ratio Lower Upper

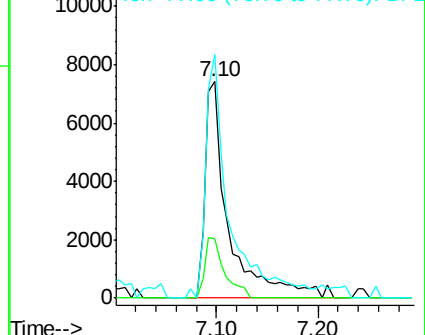
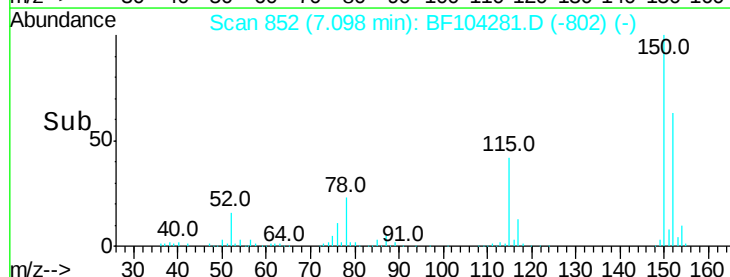
79 100

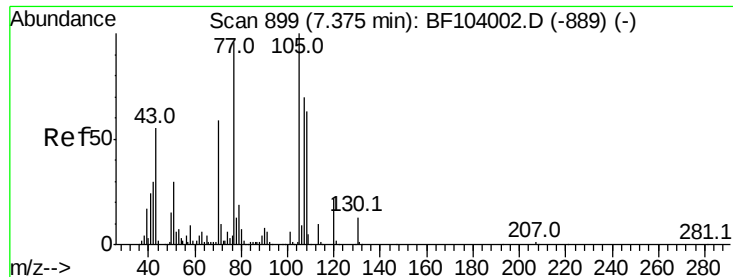
108 27.5 65.1 97.7#

77 112.4 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

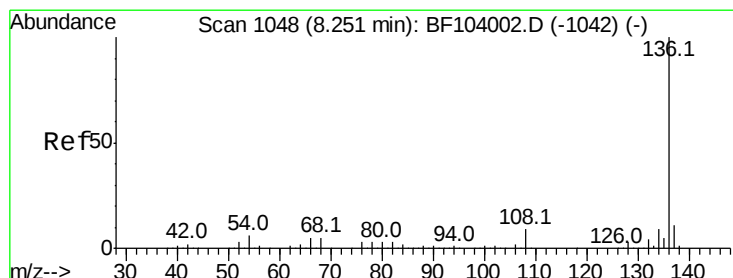
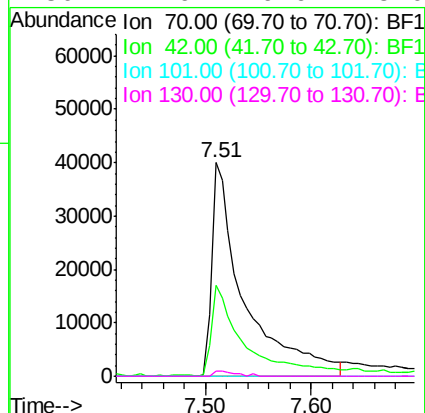
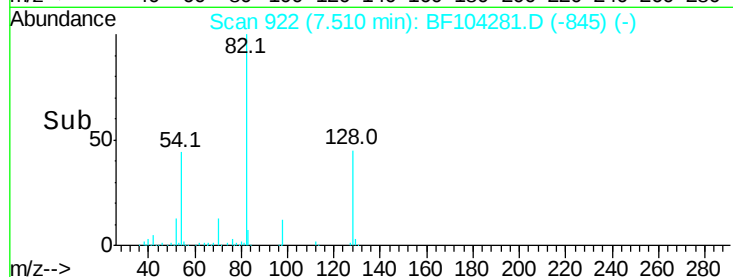
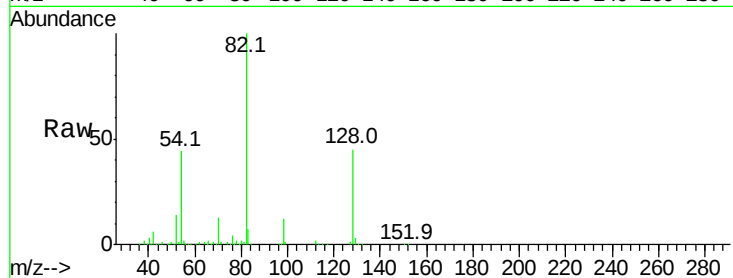




#19
n-Nitroso-di-n-propylamine
Concen: 18.646 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

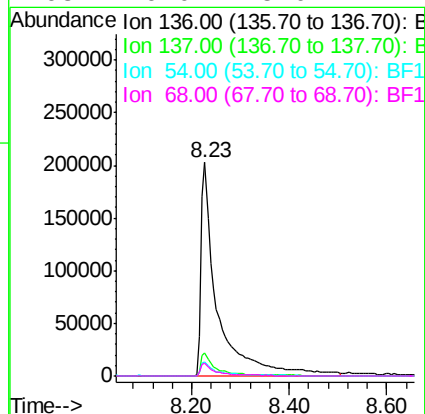
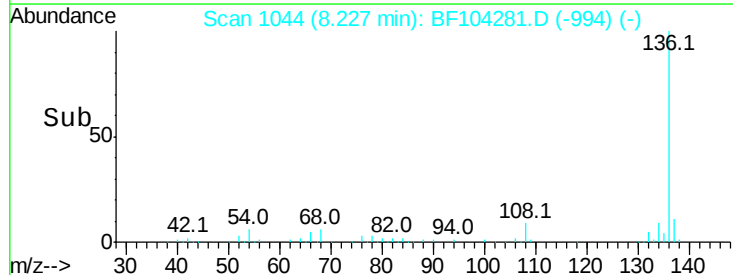
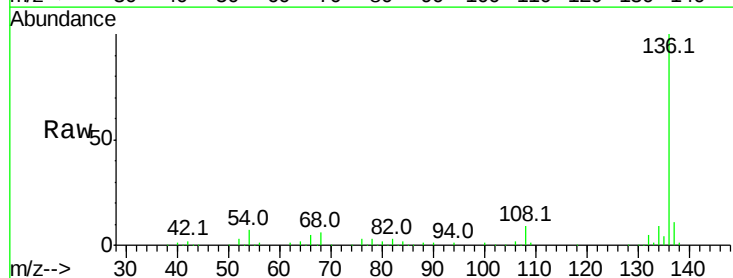
Instrument :
BNA_F
ClientSampleId :

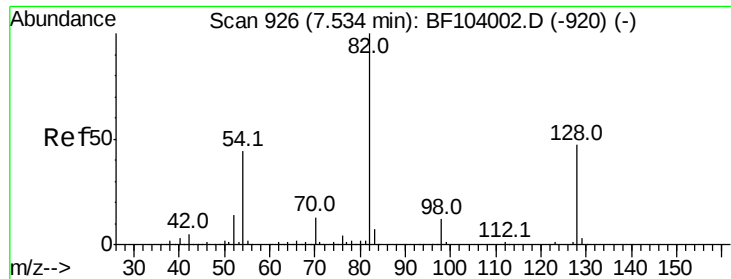
Tot Ion: 70 Resp: 86114
Ion Ratio Lower Upper
70 100
42 42.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion: 136 Resp: 476714
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 6.9 6.6 9.8
68 6.0 5.0 7.4

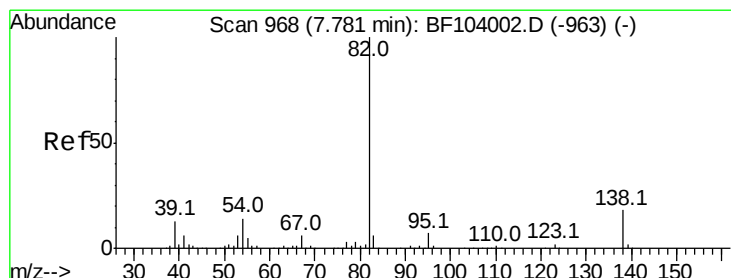
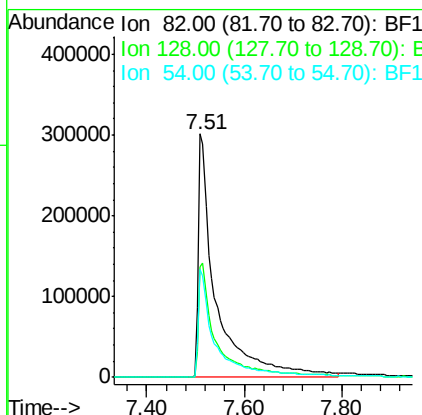
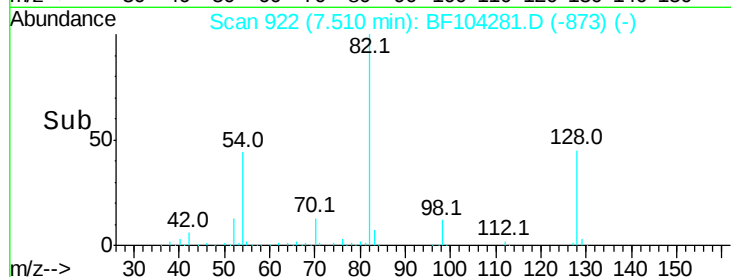
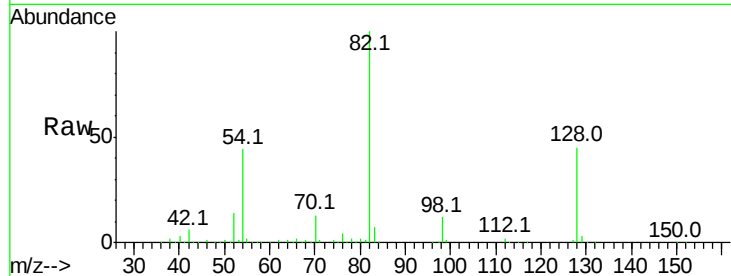




#23
Nitrobenzene-d5
Concen: 98.563 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

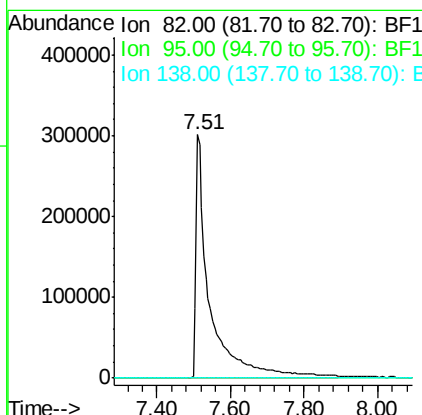
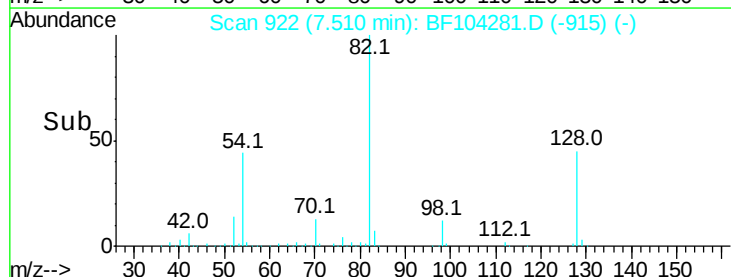
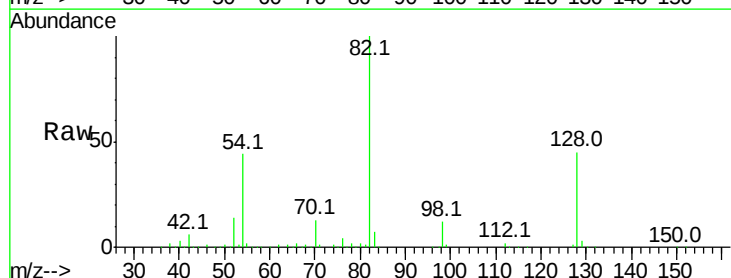
Instrument :
BNA_F
ClientSampleId :

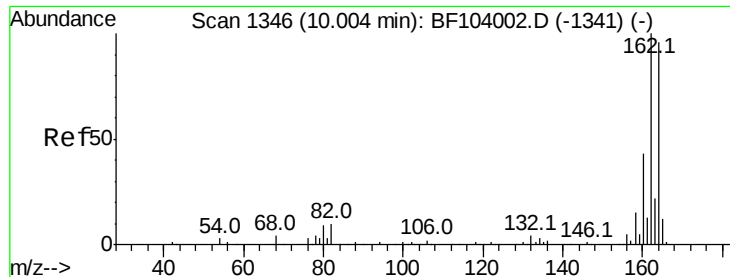
Tot Ion	82	Resp	768313
Ion Ratio	Lower	Upper	
82	100		
128	45.3	36.1	54.1
54	44.4	41.4	62.2



#25
Isophorone
Concen: 55.102 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.26 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion	82	Resp	791581
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

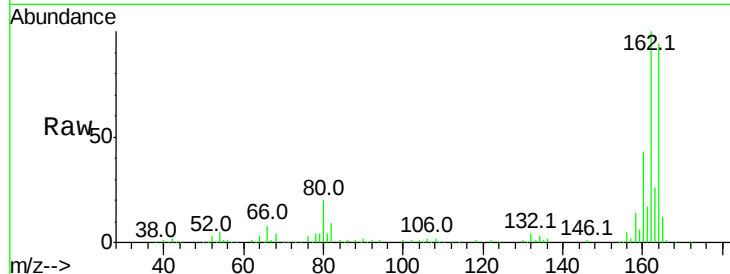




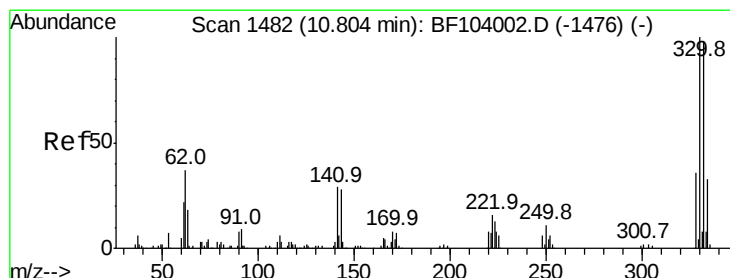
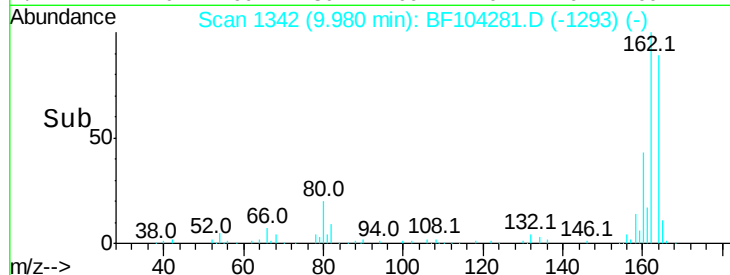
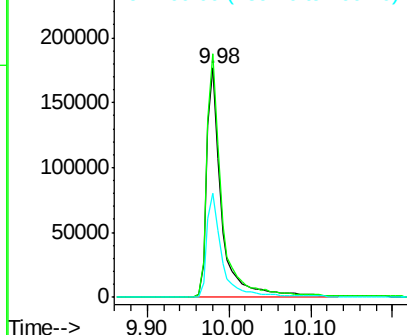
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.01 min
 Lab File: BF104281.D
 Acq: 5 Apr 2018 20:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 224828
 Ion Ratio Lower Upper
 164 100
 162 106.3 86.1 129.1
 160 45.5 38.3 57.5

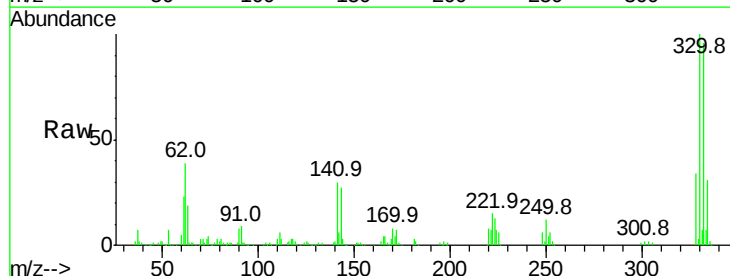


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

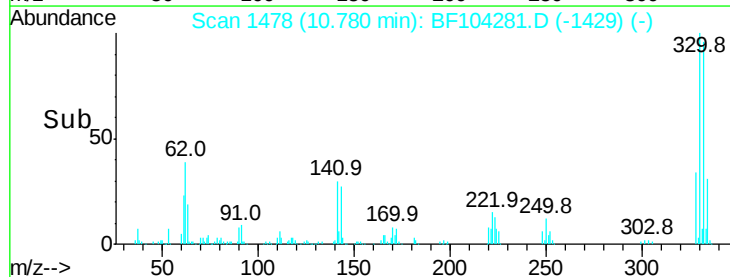
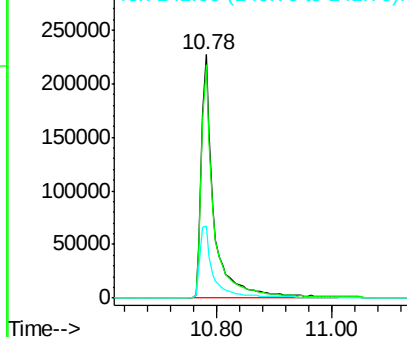


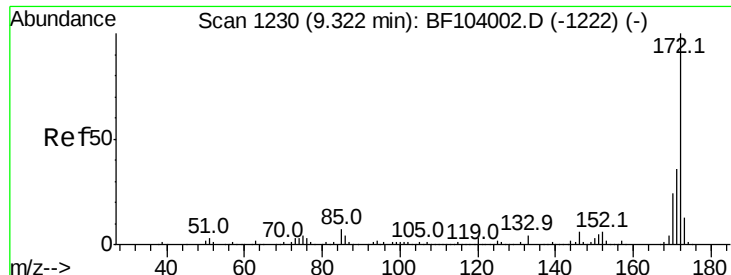
#41
 2,4,6-Tribromophenol
 Concen: 141.562 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF104281.D
 Acq: 5 Apr 2018 20:34

Tgt Ion:330 Resp: 354395
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 31.0 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

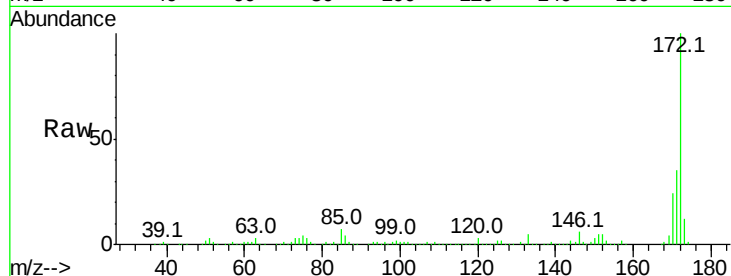




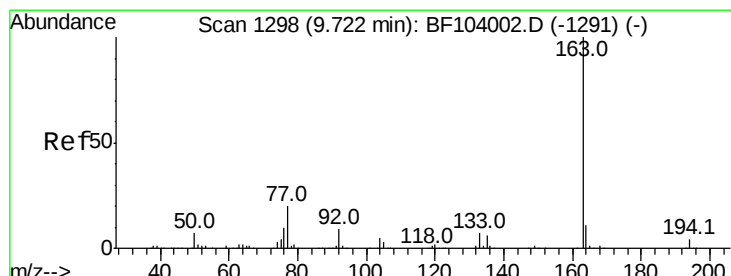
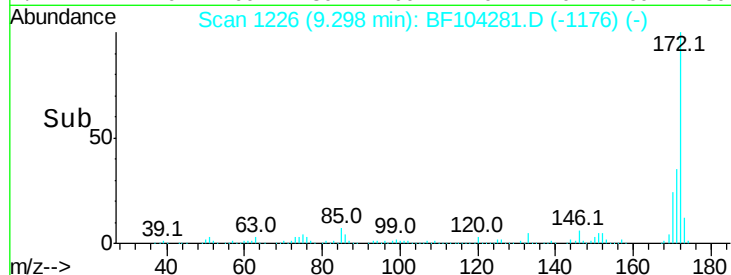
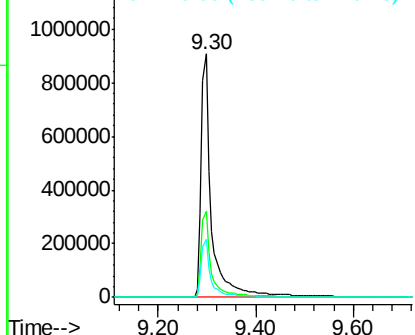
#44
2-Fluorobiphenyl
Concen: 95.468 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1361128
Ion Ratio Lower Upper
172 100
171 35.3 29.7 44.5
170 23.6 19.6 29.4

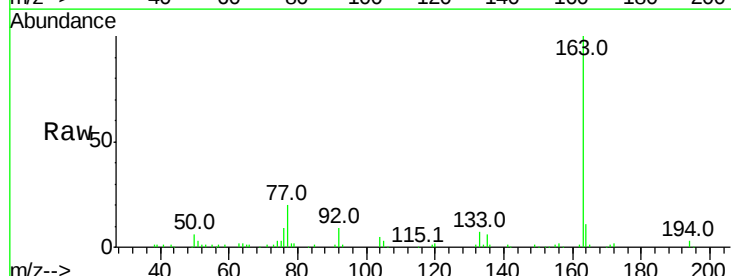


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

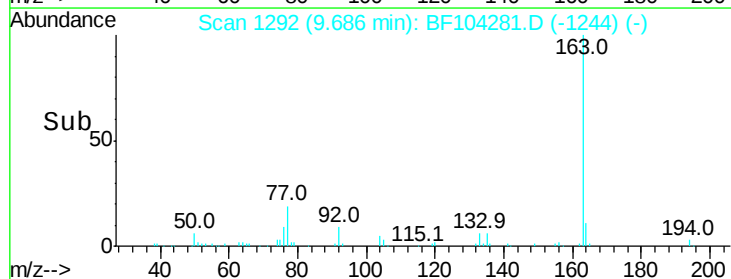
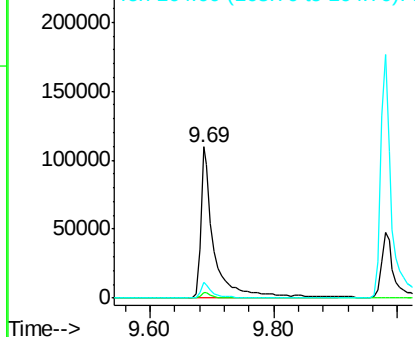


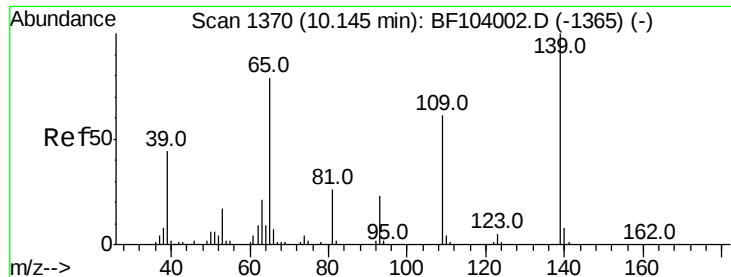
#49
Dimethylphthalate
Concen: 9.536 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:163 Resp: 169270
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.7 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

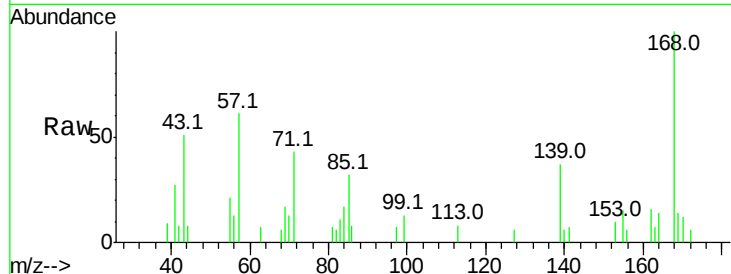




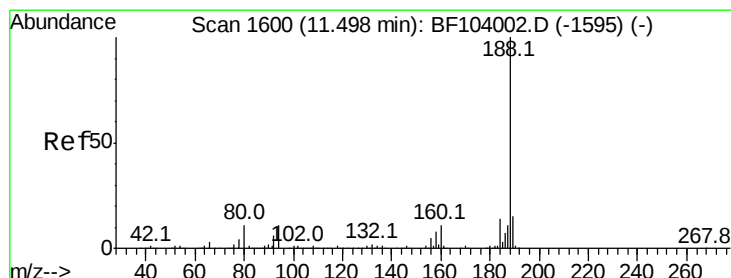
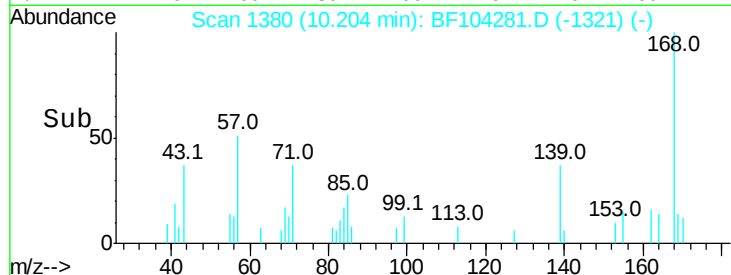
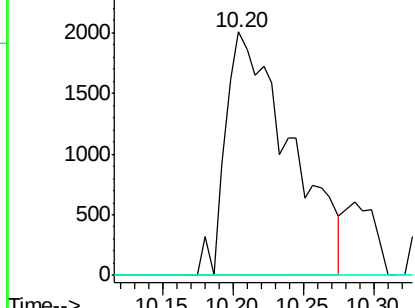
#55
4-Nitrophenol
Concen: 2.439 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.05 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 6421
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

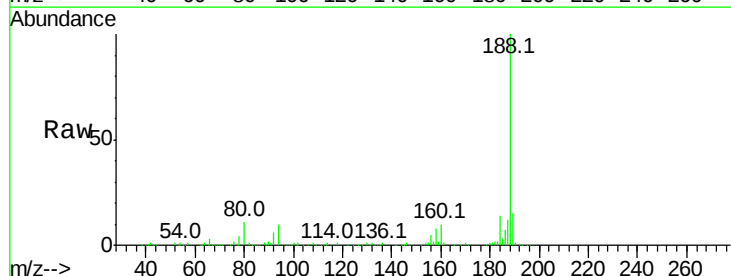


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

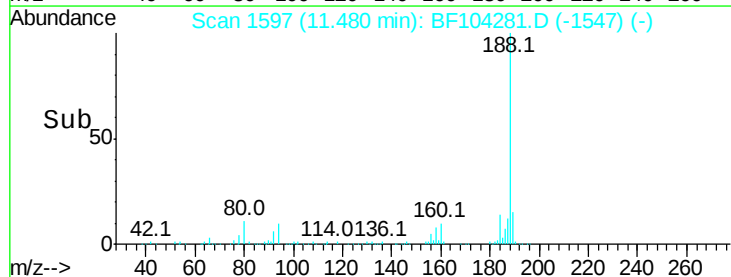
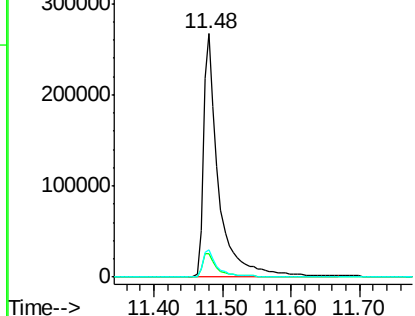


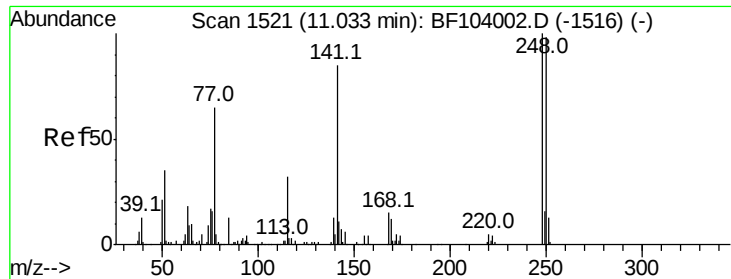
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:188 Resp: 420409
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 11.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

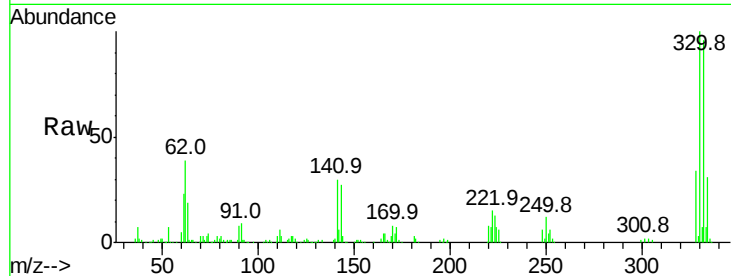




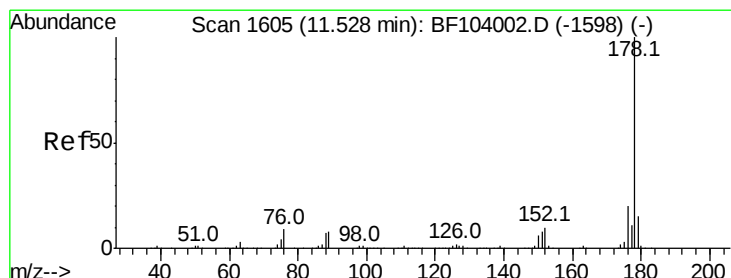
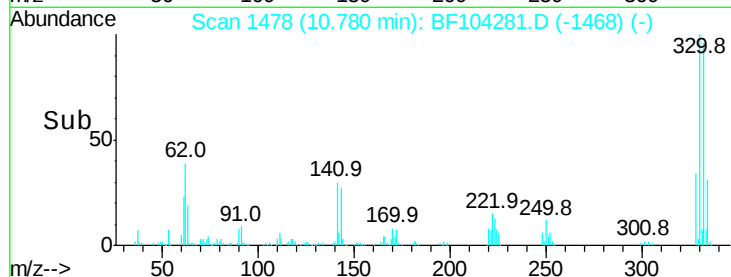
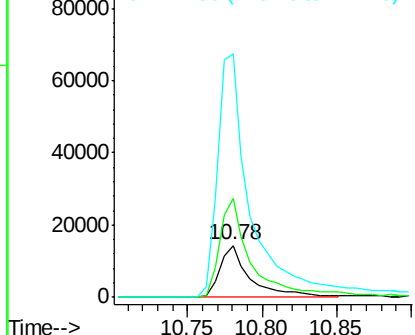
#66
4-Bromophenyl-phenylether
Concen: 4.560 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.24 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20510
Ion Ratio Lower Upper
248 100
250 190.3 76.9 115.3#
141 470.1 74.4 111.6#

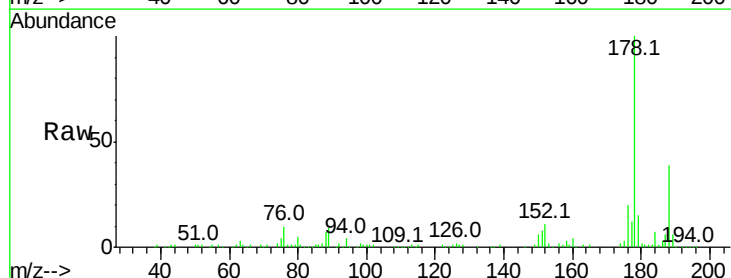


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

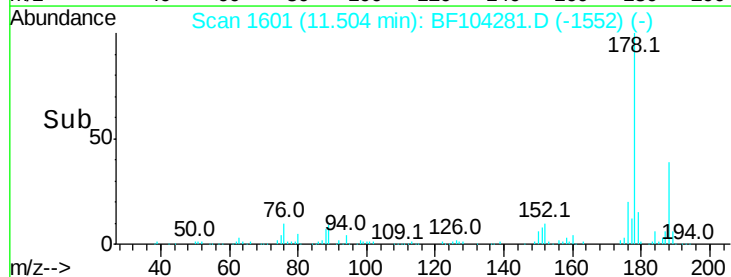
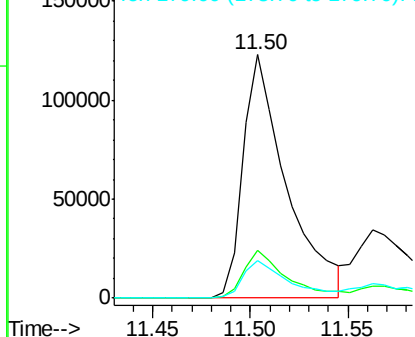


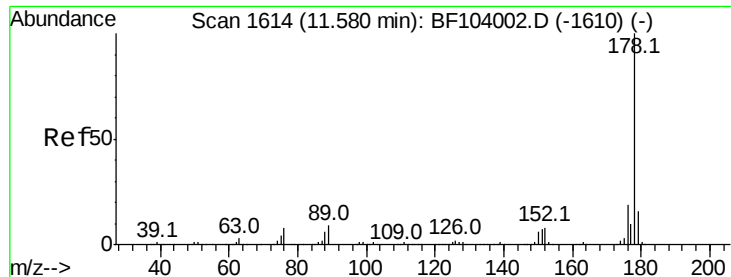
#70
Phenanthrene
Concen: 8.329 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:178 Resp: 189575
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.2 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: 7.974 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.06 min

Lab File: BF104281.D

Acq: 5 Apr 2018 20:34

Instrument :

BNA_F

ClientSampleId :

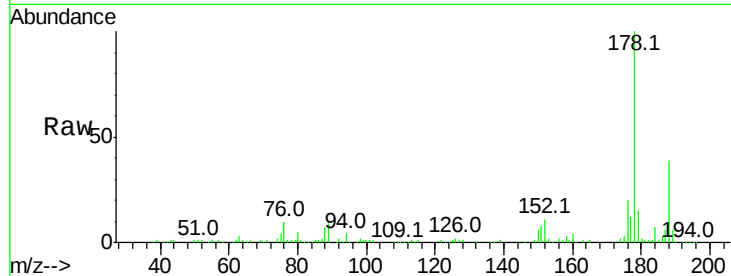
Tot Ion:178 Resp: 189575

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

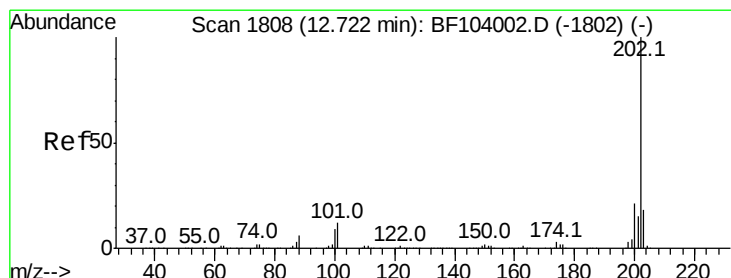
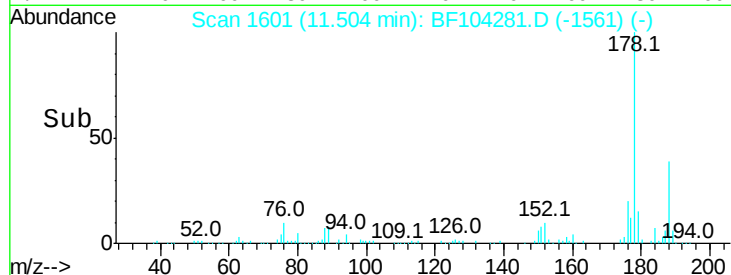
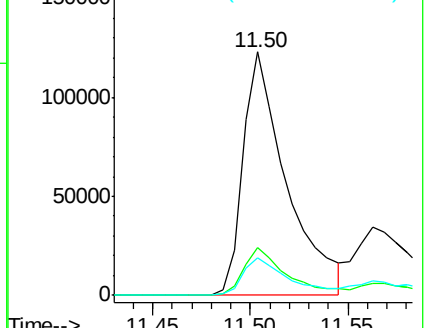
179 15.2 12.6 19.0



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: 7.306 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF104281.D

Acq: 5 Apr 2018 20:34

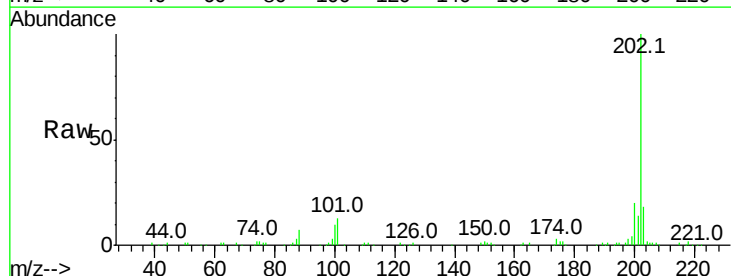
Tgt Ion:202 Resp: 176768

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

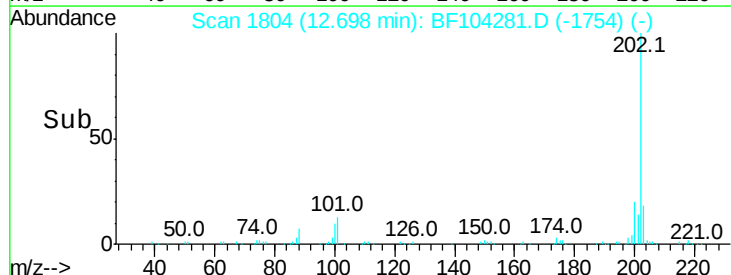
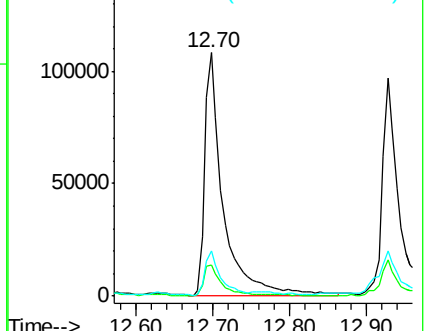
203 18.5 0.0 38.1

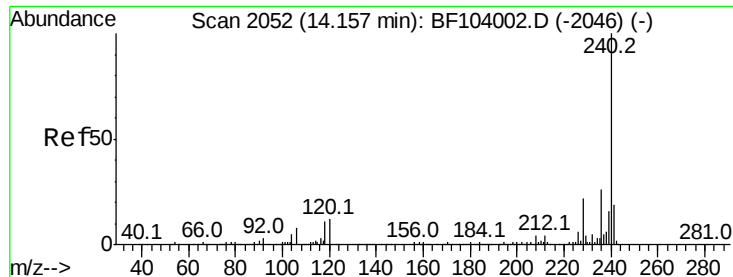


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF104281.D

Acq: 5 Apr 2018 20:34

Instrument :

BNA_F

ClientSampleId :

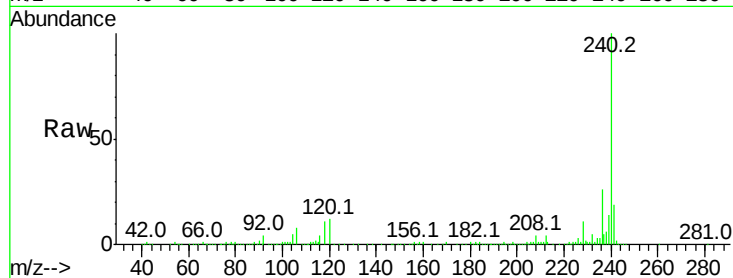
Tot Ion:240 Resp: 347463

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

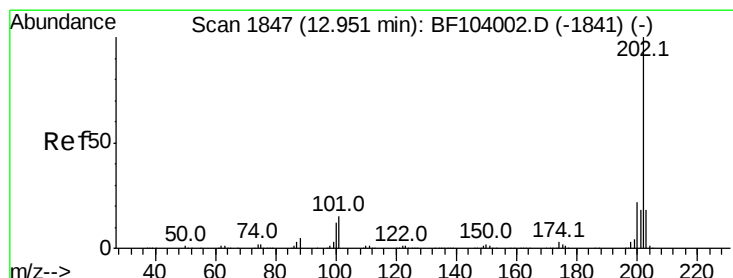
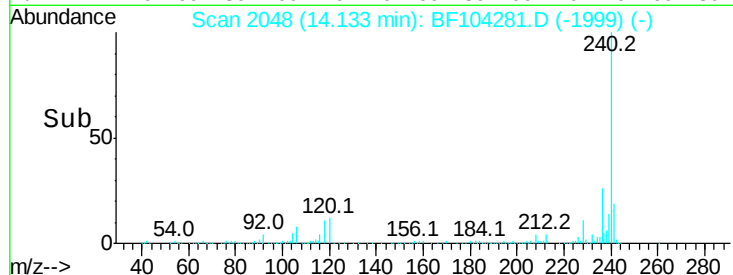
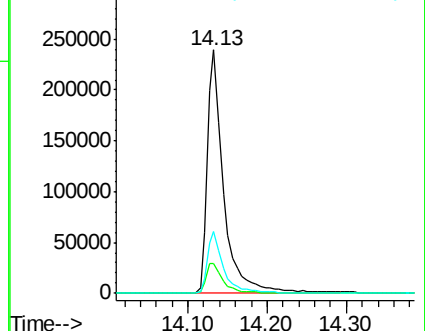
236 25.6 20.7 31.1



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: 5.950 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104281.D

Acq: 5 Apr 2018 20:34

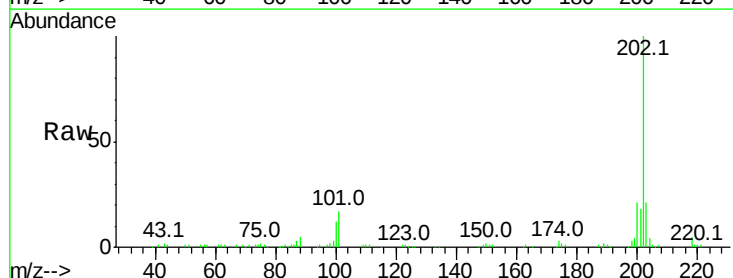
Tgt Ion:202 Resp: 148605

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

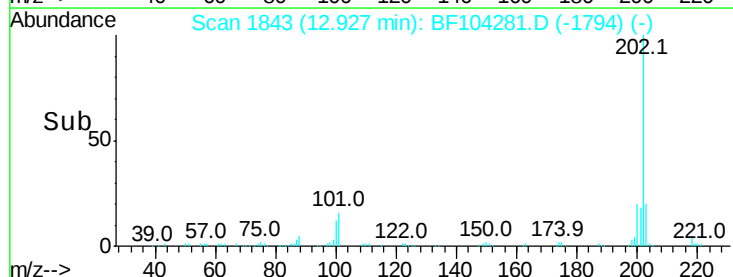
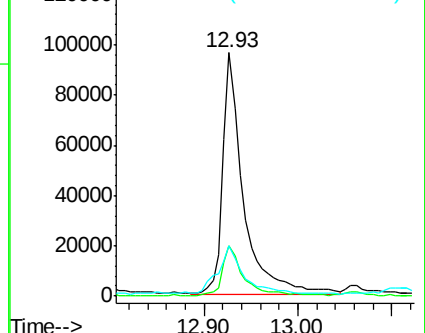
203 20.6 14.3 21.5

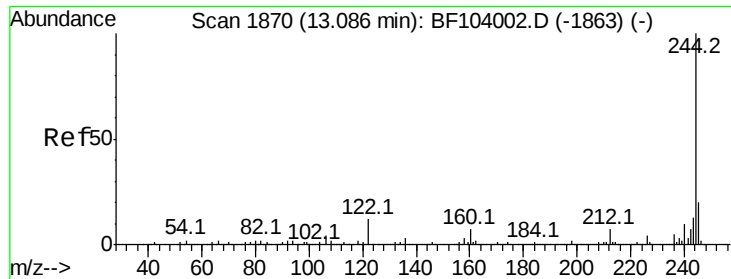


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.532 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF104281.D

Acq: 5 Apr 2018 20:34

Instrument :

BNA_F

ClientSampled :

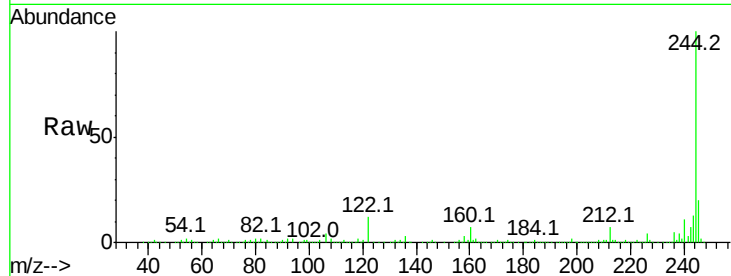
Tot Ion:244 Resp: 1287127

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

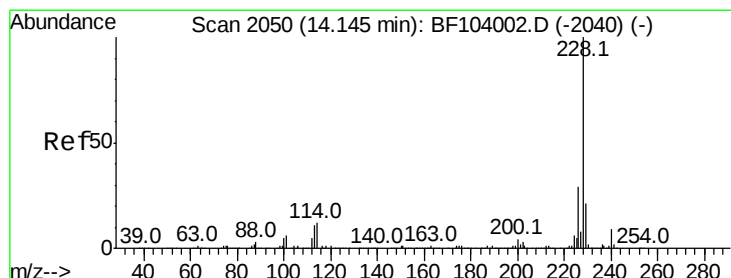
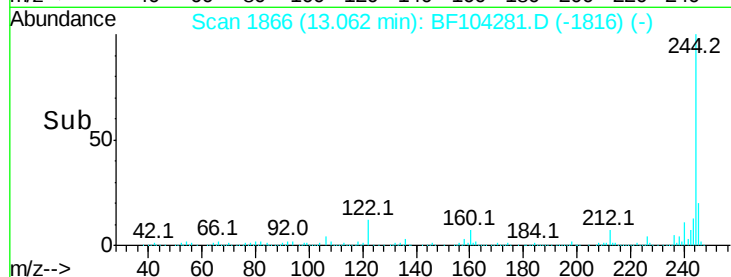
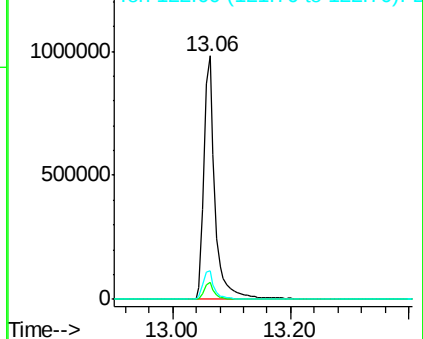
122 11.7 11.0 16.4



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: 3.227 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF104281.D

Acq: 5 Apr 2018 20:34

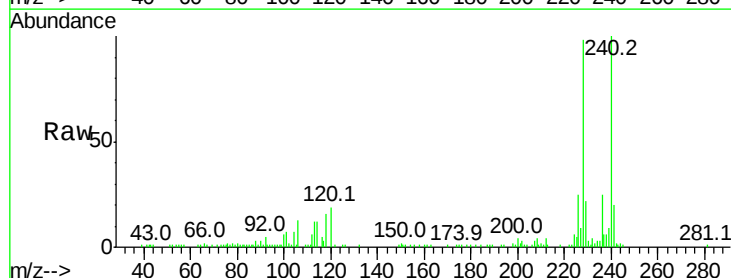
Tgt Ion:228 Resp: 70156

Ion Ratio Lower Upper

228 100

226 25.5 22.6 33.8

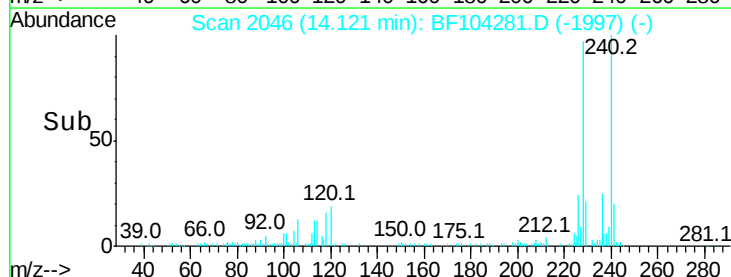
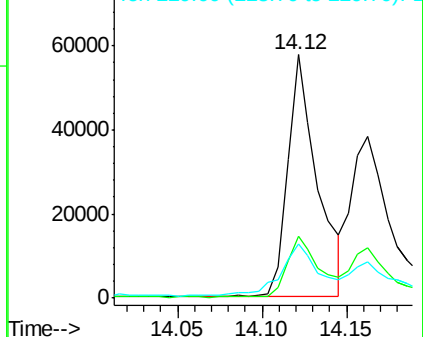
229 22.1 15.8 23.6

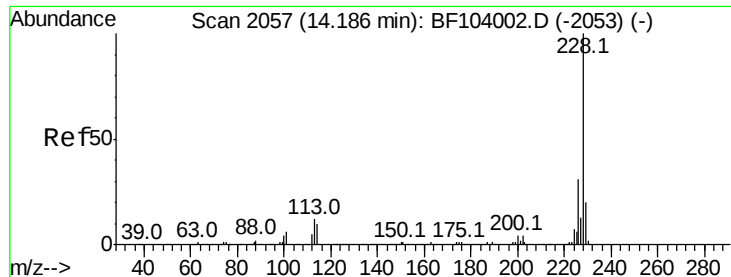


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

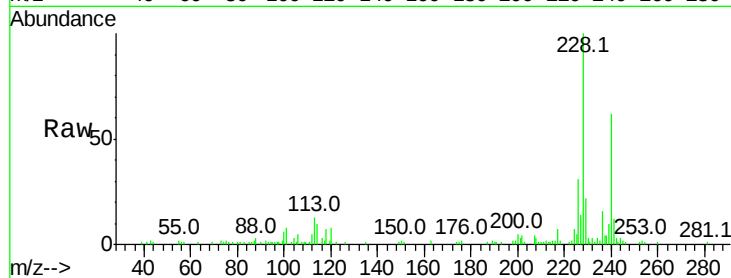




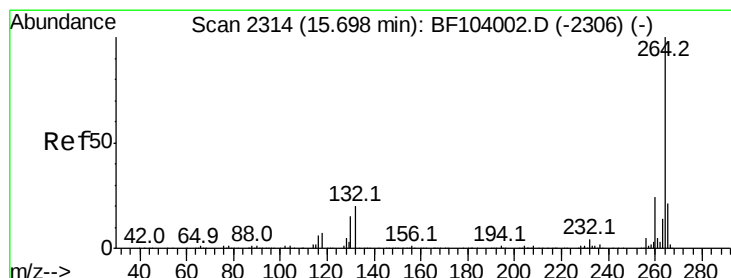
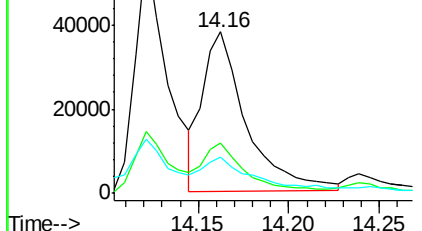
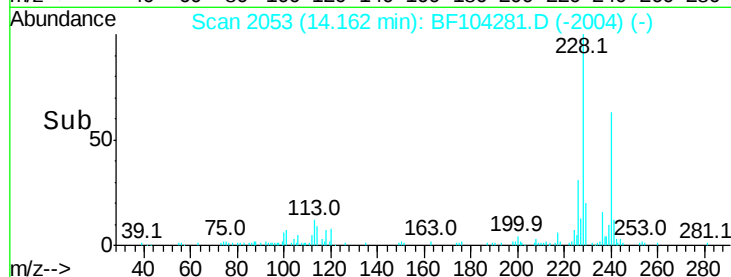
#82
Chrysene
Concen: 2.984 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 63544
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 22.5 16.2 24.4

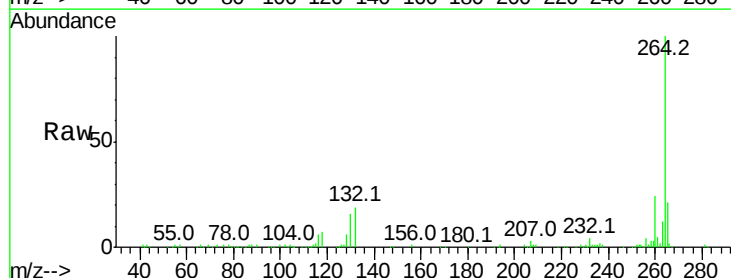


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

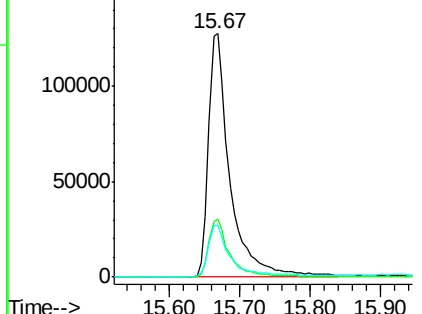
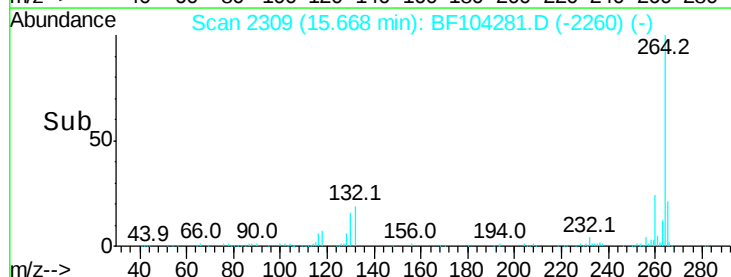


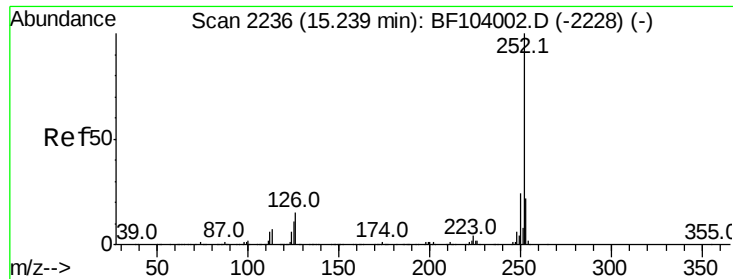
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:264 Resp: 269643
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.0 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: 3.901 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.01 min

Lab File: BF104281.D

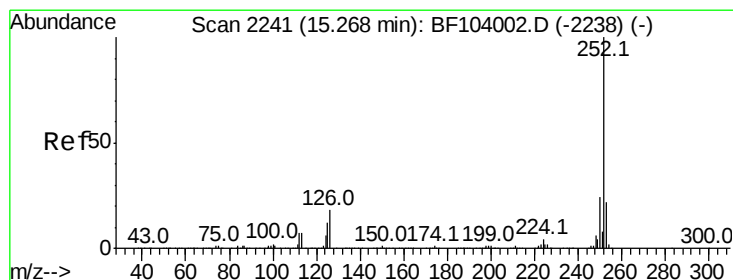
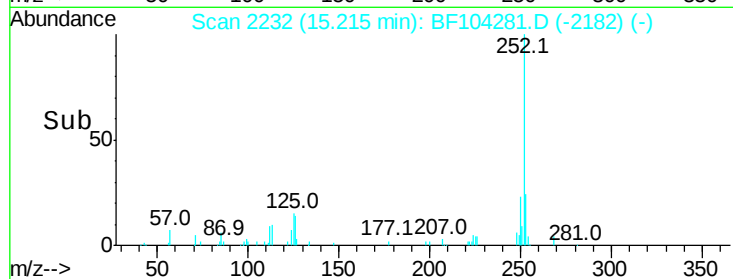
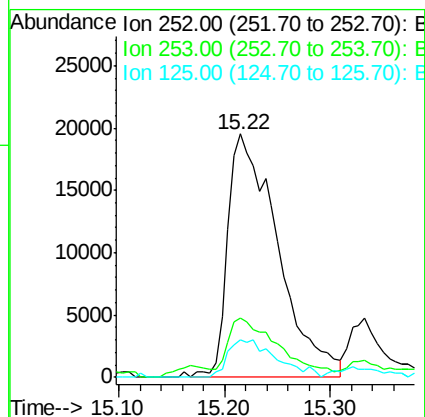
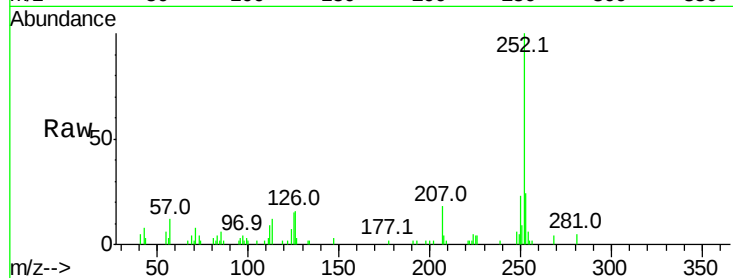
Acq: 5 Apr 2018 20:34

Instrument :

BNA_F

ClientSampled :

Tot Ion:252	Resp:	64018
Ion Ratio	Lower	Upper
252	100	
253	24.2	17.0 25.6
125	15.5	9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 4.141 ng

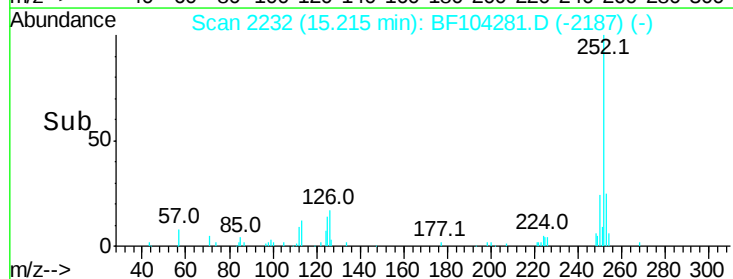
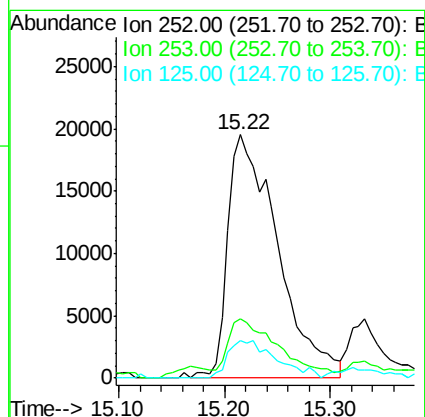
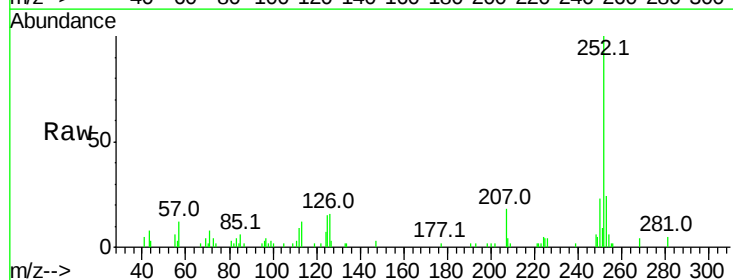
RT: 15.22 min Scan# 2232

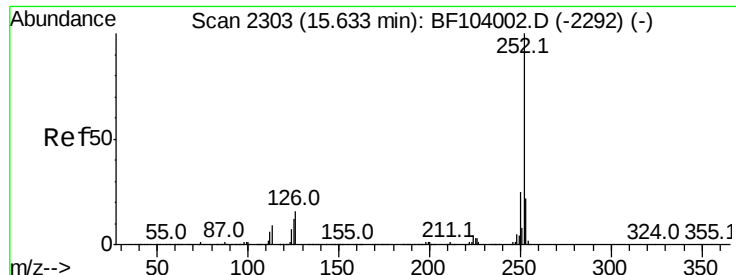
Delta R.T. -0.04 min

Lab File: BF104281.D

Acq: 5 Apr 2018 20:34

Tgt Ion:252	Resp:	64018
Ion Ratio	Lower	Upper
252	100	
253	24.2	17.9 26.9
125	15.5	10.2 15.2#





#89

Benzo(a)pyrene

Concen: 2.219 ng

RT: 15.60 min Scan# 2298

Delta R.T. -0.01 min

Lab File: BF104281.D

Acq: 5 Apr 2018 20:34

Instrument :

BNA_F

ClientSampleId :

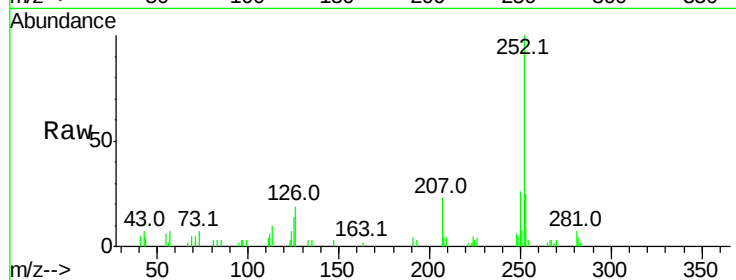
Tot Ion:252 Resp: 33748

Ion Ratio Lower Upper

252 100

253 24.7 17.1 25.7

125 13.7 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

