

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104029.D
 Acq On : 28 Mar 2018 23:47
 Operator : JU/SJ
 Sample : J1756-11 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 01:55:40 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	120605	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	499531	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	206605	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	298087	20.00	ng	0.00
75) Chrysene-d12	14.16	240	238294	20.00	ng	0.00
86) Perylene-d12	15.70	264	172615	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	138027	18.25	ng	0.00
7) Phenol-d6	6.60	99	213341	22.93	ng	0.00
23) Nitrobenzene-d5	7.53	82	114571	14.03	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	41881	18.20	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	267264	20.40	ng	0.00
78) Terphenyl-d14	13.09	244	182526	17.69	ng	0.00

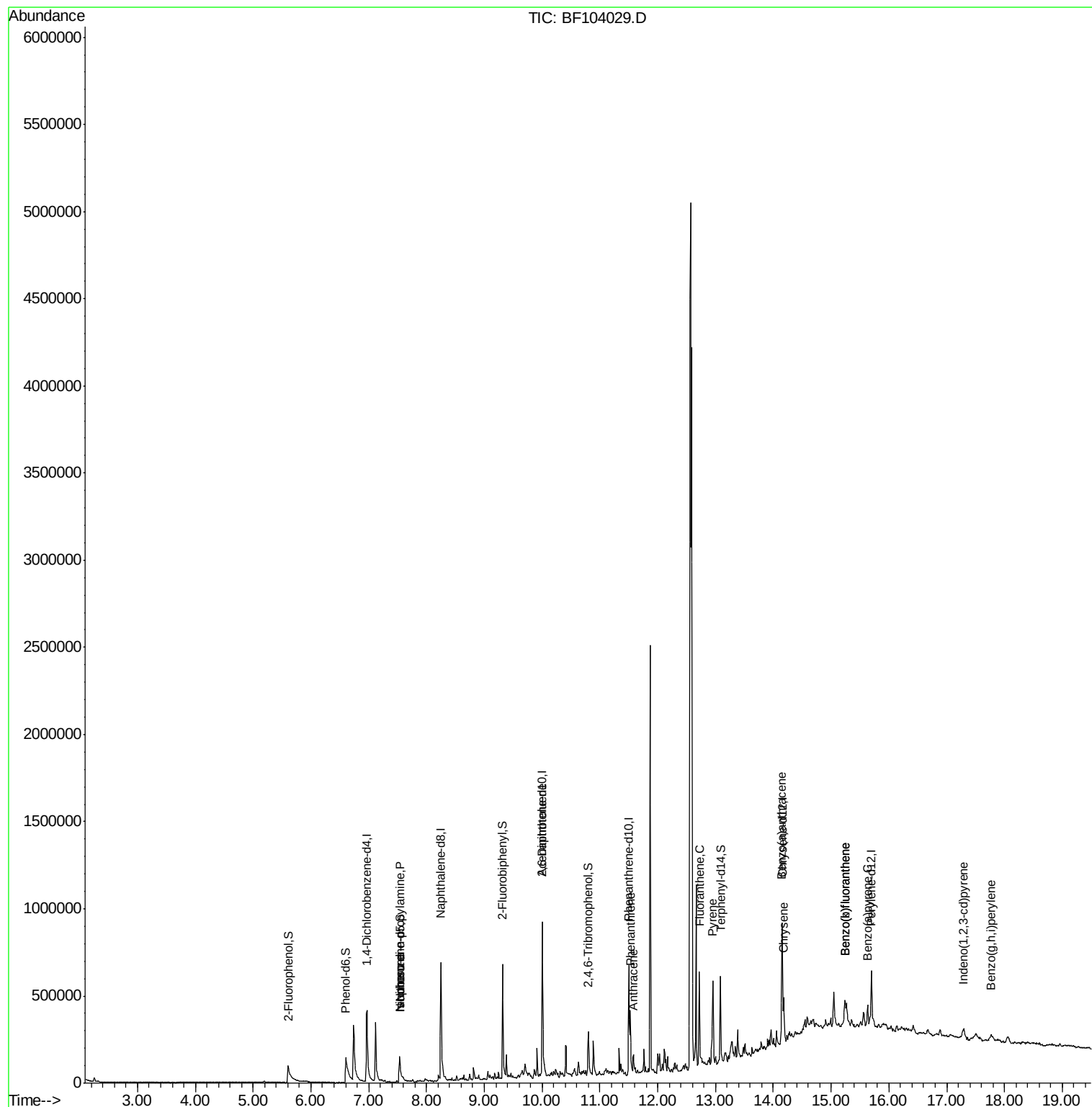
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	15509	2.809	ng	# 77
25) Isophorone	7.53	82	114571	7.611	ng	# 65
50) 2,6-Dinitrotoluene	10.00	165	28094	8.005	ng	# 26
70) Phenanthrene	11.53	178	152166	9.429	ng	99
71) Anthracene	11.58	178	65245	3.870	ng	98
74) Fluoranthene	12.72	202	230048	13.410	ng	97
77) Pyrene	12.96	202	238073	13.898	ng	98
80) Benzo(a)anthracene	14.14	228	116826	7.835	ng	97
82) Chrysene	14.18	228	100353	6.872	ng	96
85) Indeno(1,2,3-cd)pyrene	17.29	276	33797	2.233	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	122000	11.613	ng	# 88
88) Benzo(k)fluoranthene	15.24	252	122066	12.335	ng	# 91
89) Benzo(a)pyrene	15.63	252	68718	7.059	ng	# 90
91) Benzo(a,h,i)perylene	17.77	276	34443	3.821	ng	# 95

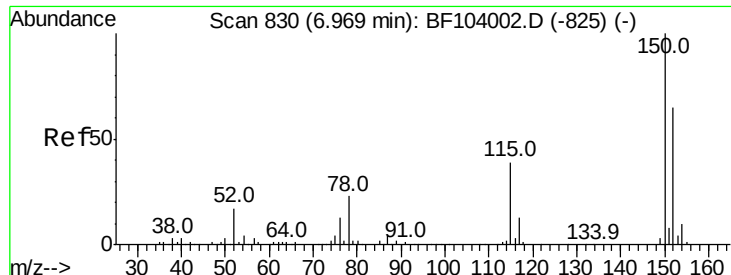
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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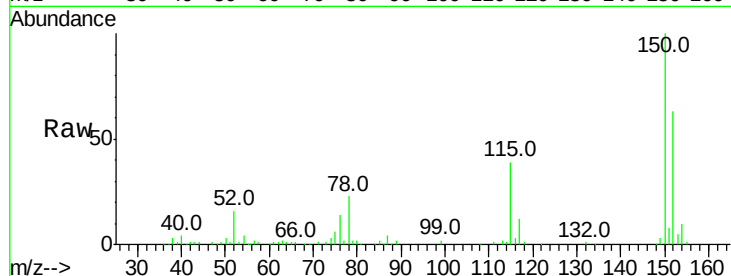


#1

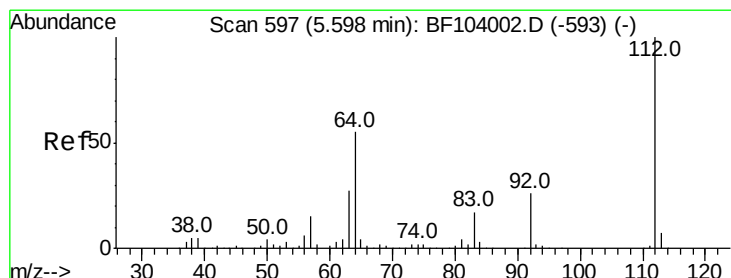
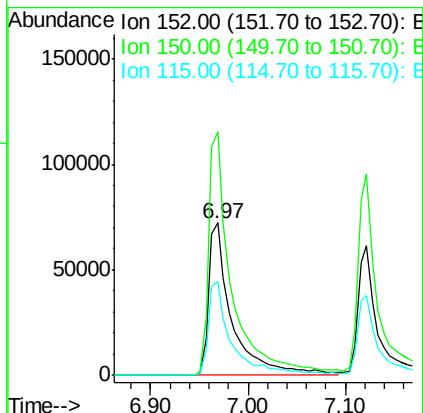
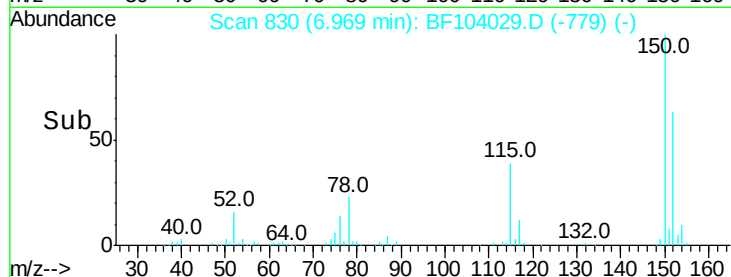
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.6	186.8
115	61.8	50.1	75.1



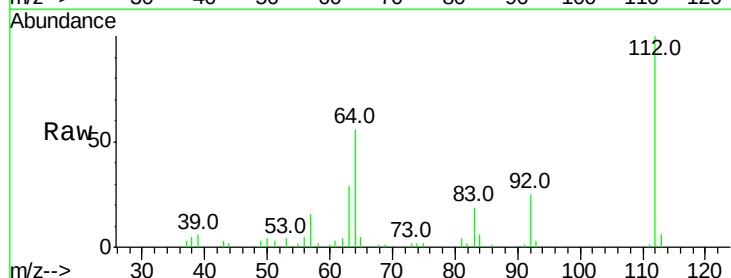
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



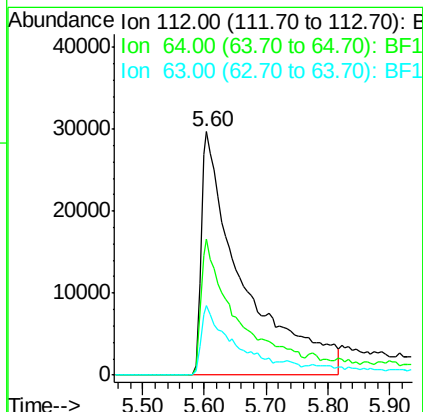
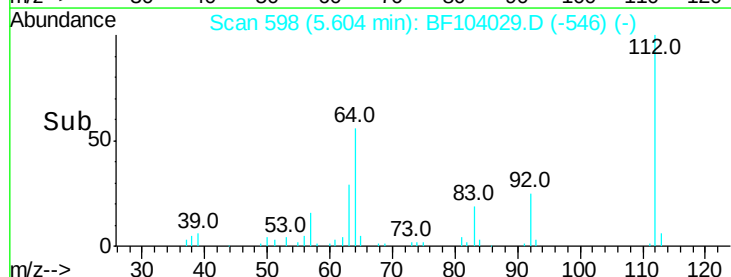
#5

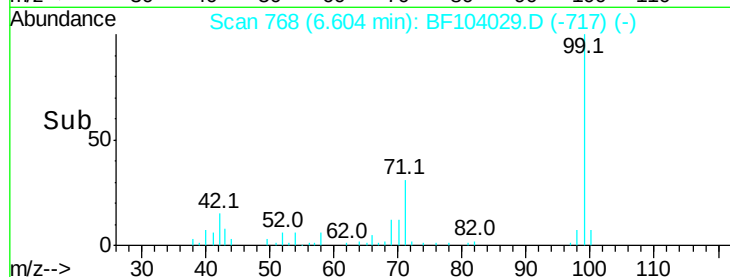
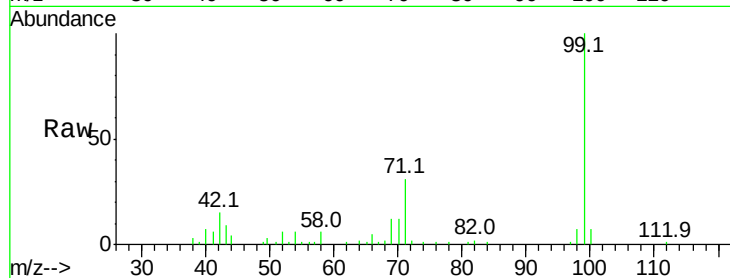
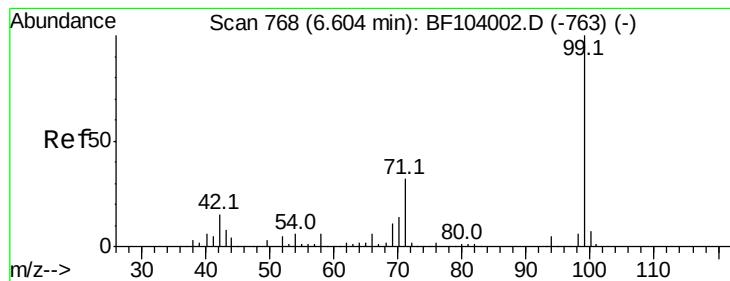
2-Fluorophenol
 Concen: 18.251 ng
 RT: 5.60 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	28.8	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: 22.929 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF104029.D

Acq: 28 Mar 2018 23:47

Instrument :

BNA_F

ClientSampleId :

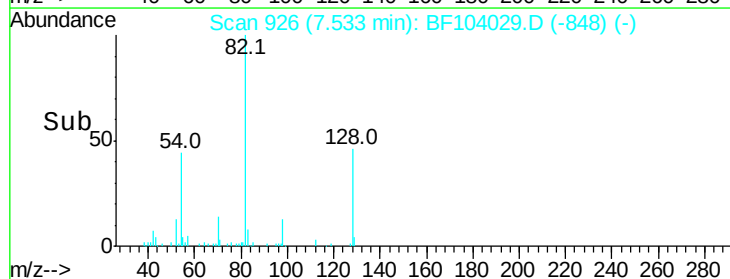
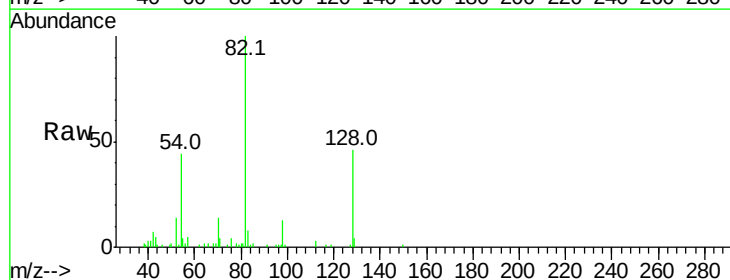
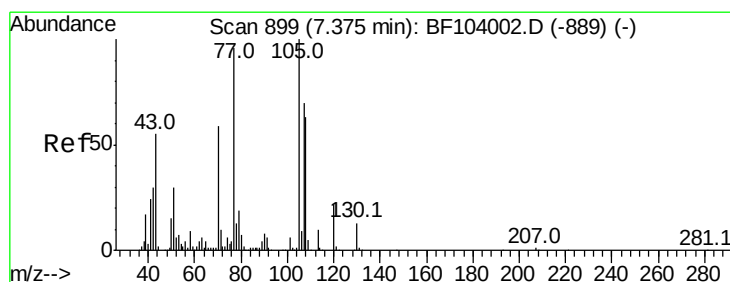
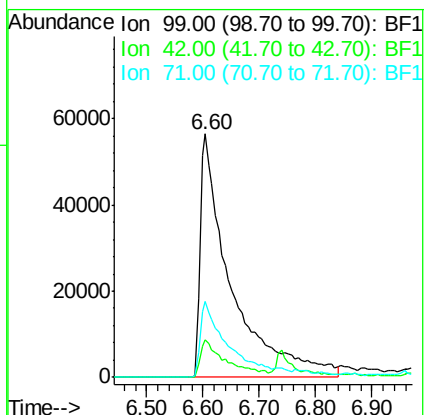
Tot Ion: 99 Resp: 213341

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

71 31.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.809 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.16 min

Lab File: BF104029.D

Acq: 28 Mar 2018 23:47

Tgt Ion: 70 Resp: 15509

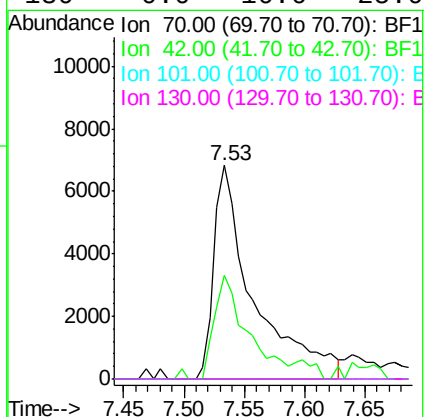
Ion Ratio Lower Upper

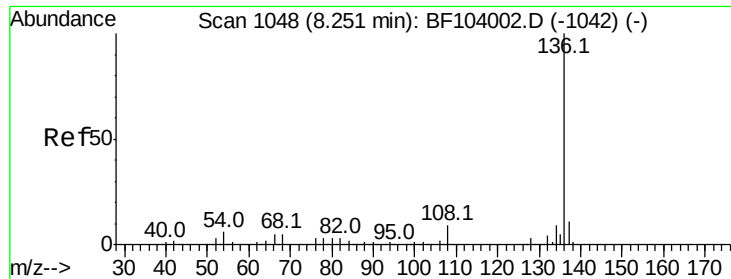
70 100

42 48.4 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

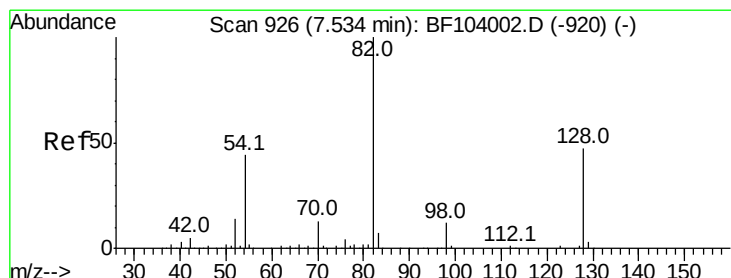
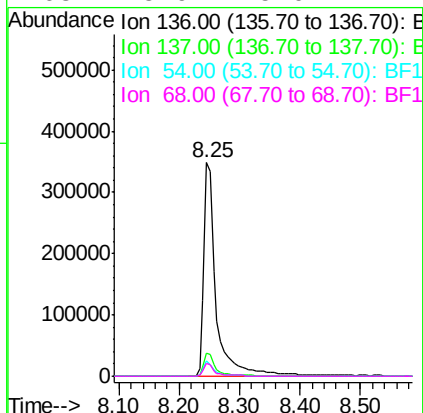
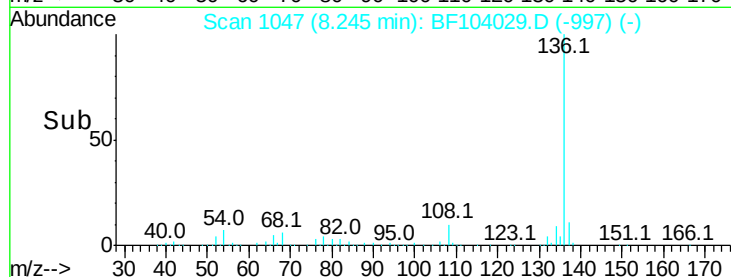
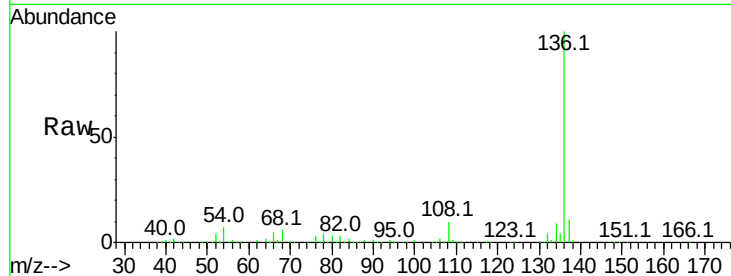




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

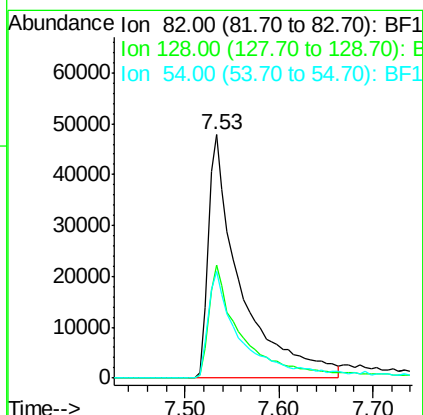
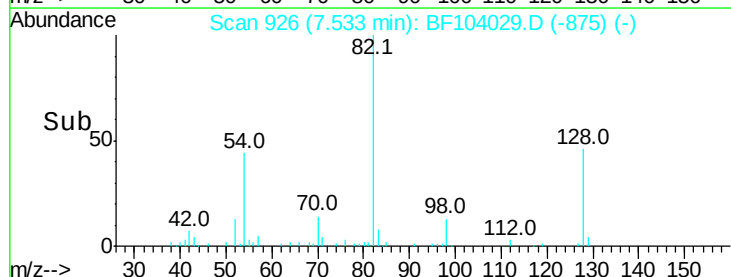
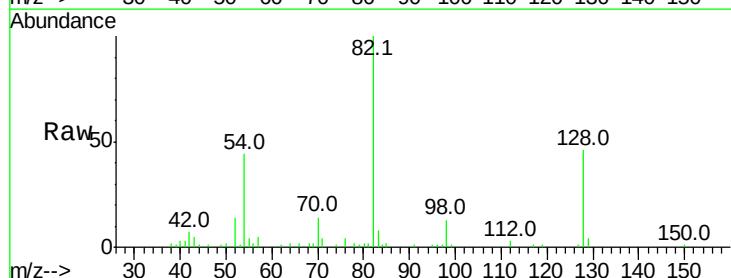
Instrument :
BNA_F
ClientSampled :

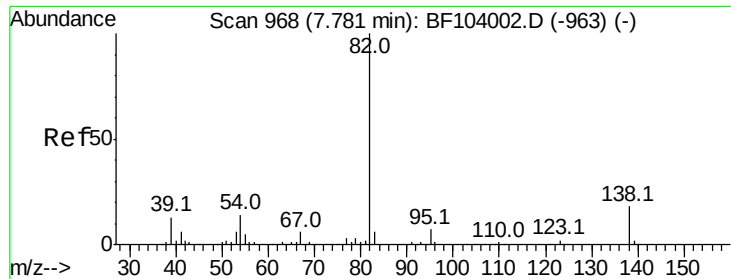
Tot Ion:	136	Resp:	499531
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.9	6.6	9.8
68	5.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 14.026 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

Tgt Ion:	82	Resp:	114571
Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	43.9	41.4	62.2





#25

Isophorone

Concen: 7.611 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF104029.D

Acq: 28 Mar 2018 23:47

Instrument :

BNA_F

ClientSampleId :

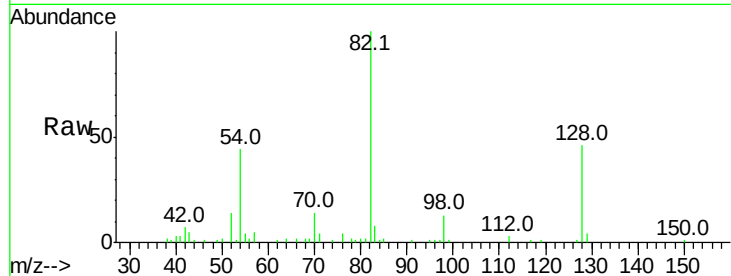
Tot Ion: 82 Resp: 114571

Ion Ratio Lower Upper

82 100

95 0.7 5.2 7.8#

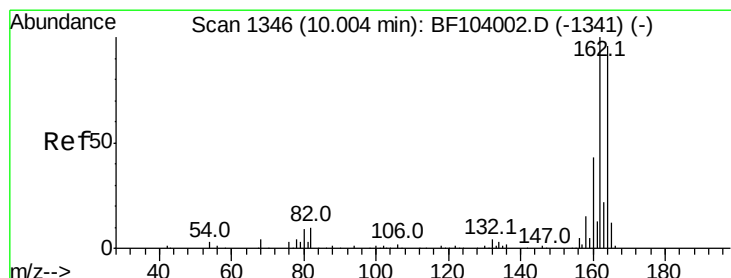
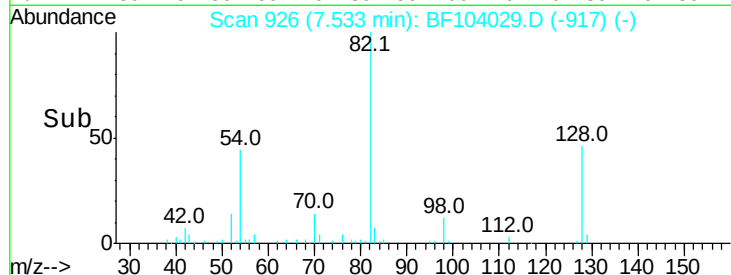
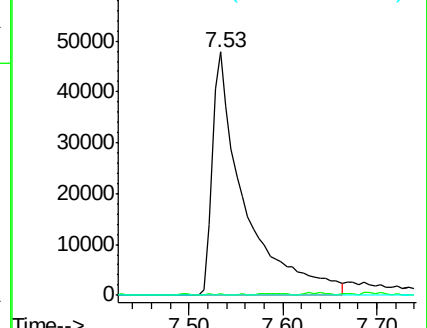
138 0.0 14.9 22.3#



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: BF104029.D

Acq: 28 Mar 2018 23:47

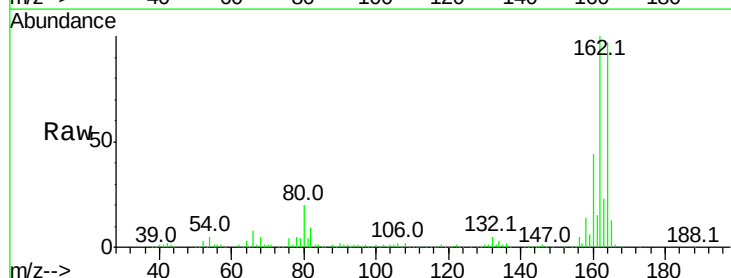
Tgt Ion:164 Resp: 206605

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

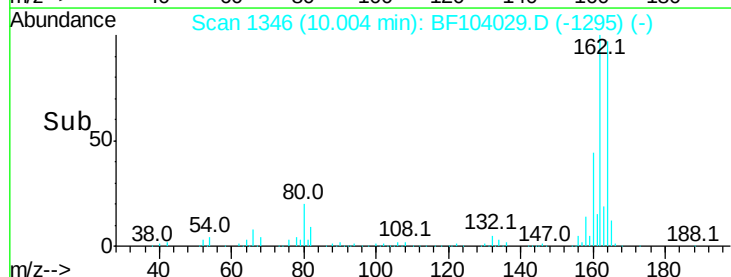
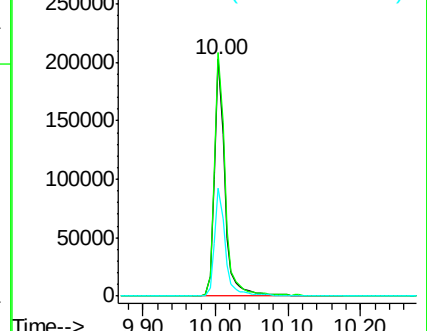
160 45.6 38.3 57.5

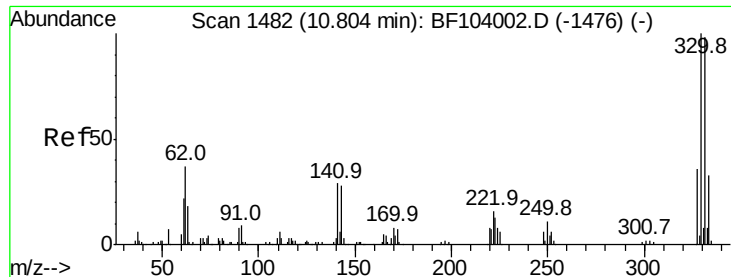


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

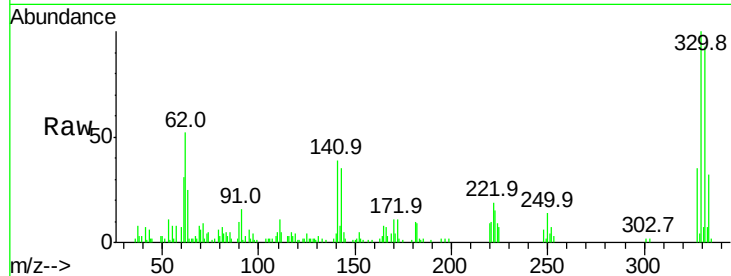




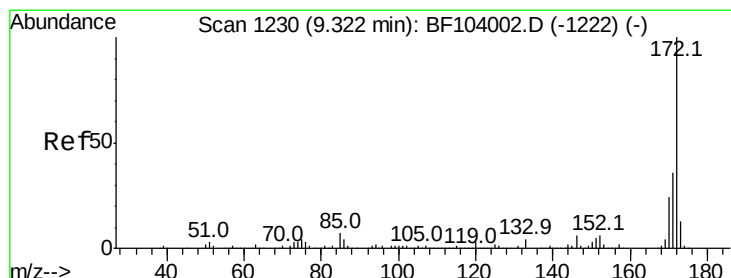
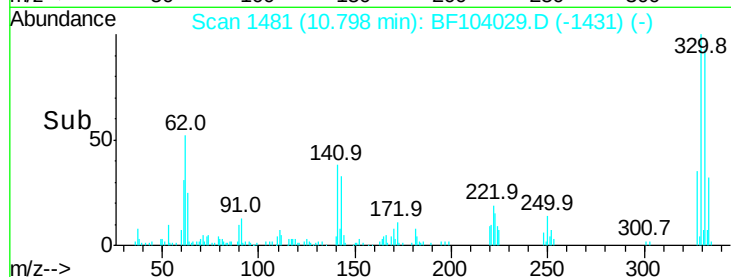
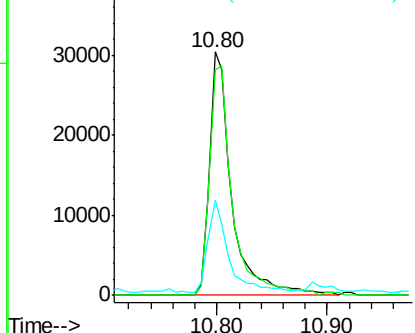
#41
 2,4,6-Tribromophenol
 Concen: 18.205 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 41881
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 34.5 29.9 44.9

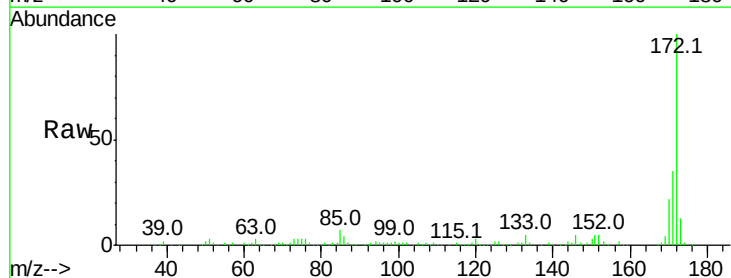


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

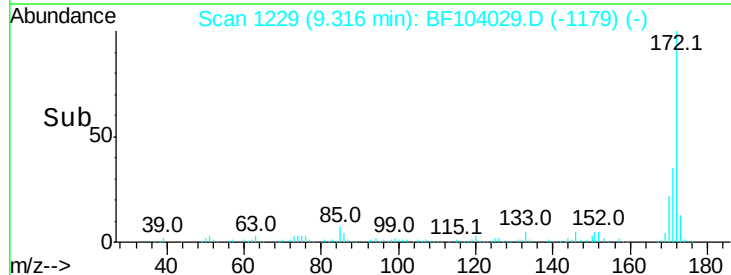
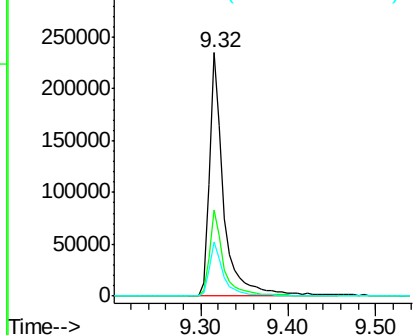


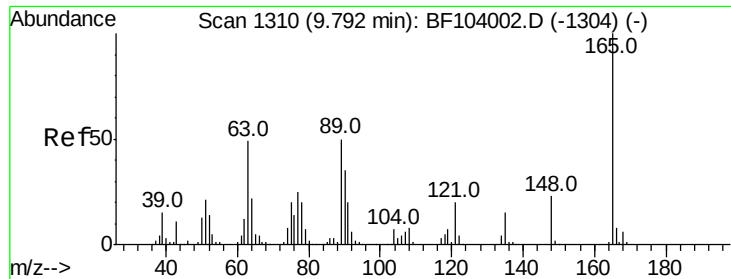
#44
 2-Fluorobiphenyl
 Concen: 20.399 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

Tgt Ion:172 Resp: 267264
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 22.1 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

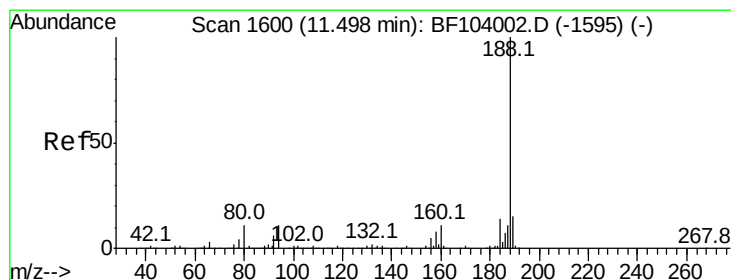
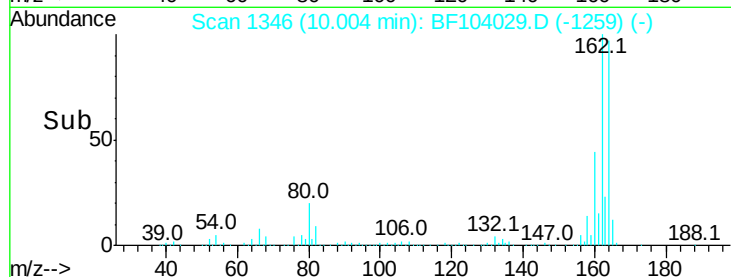
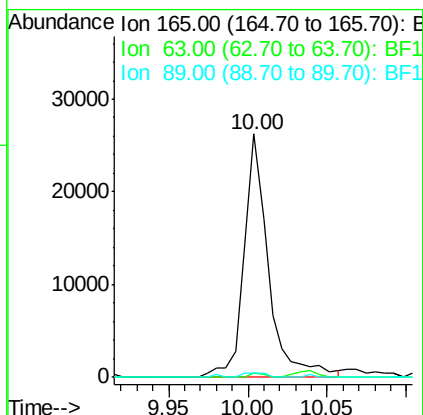
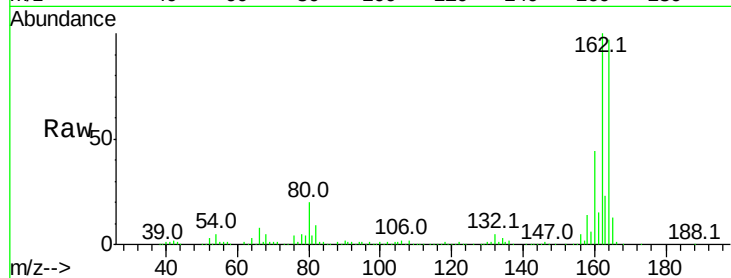




#50
 2,6-Dinitrotoluene
 Concen: 8.005 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. 0.21 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

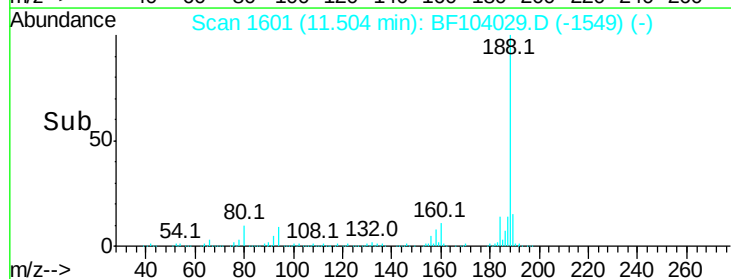
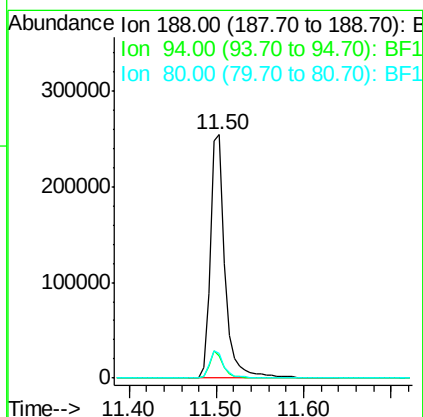
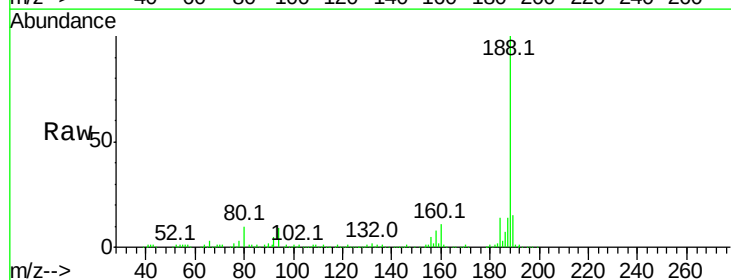
Instrument :
 BNA_F
 ClientSampleId :

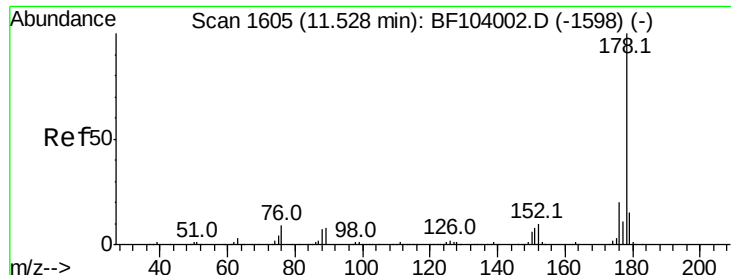
Tot Ion:165 Resp: 28094
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.7 67.1#
 89 1.8 44.0 66.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

Tgt Ion:188 Resp: 298087
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.5 12.7
 80 10.0 9.2 13.8

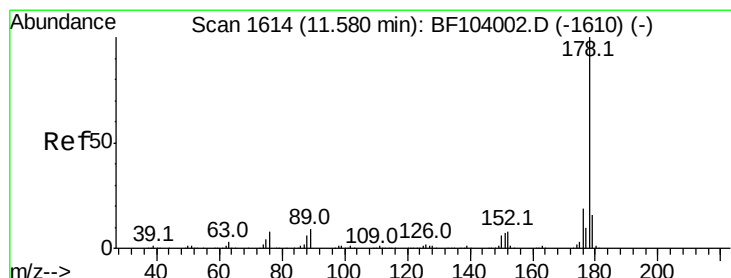
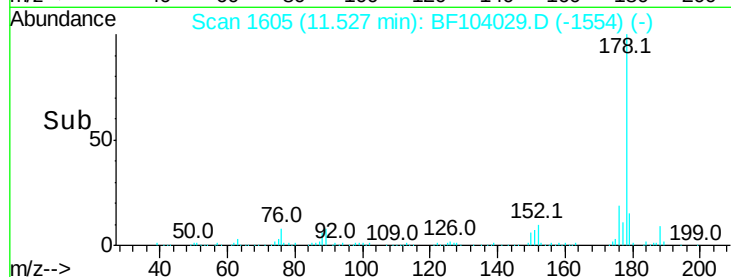
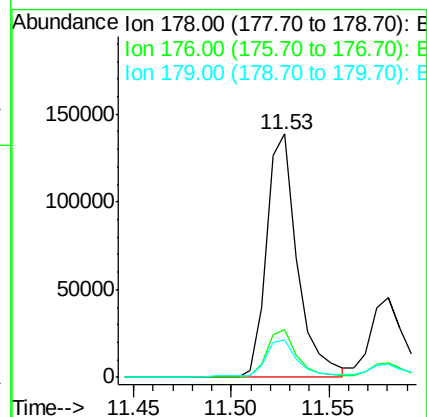
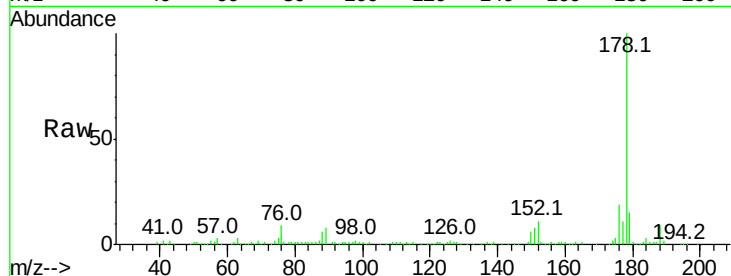




#70
Phenanthrene
Concen: 9.429 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

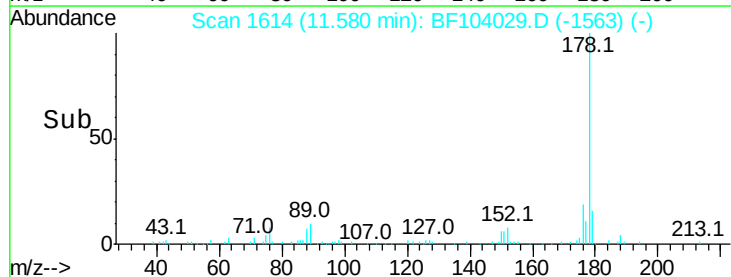
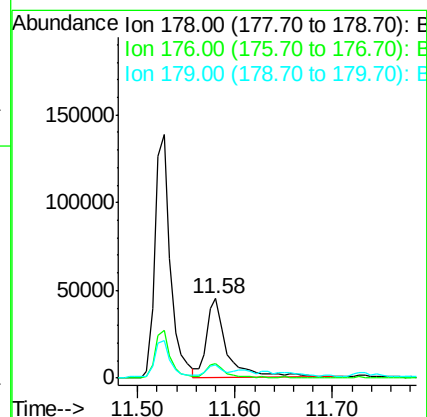
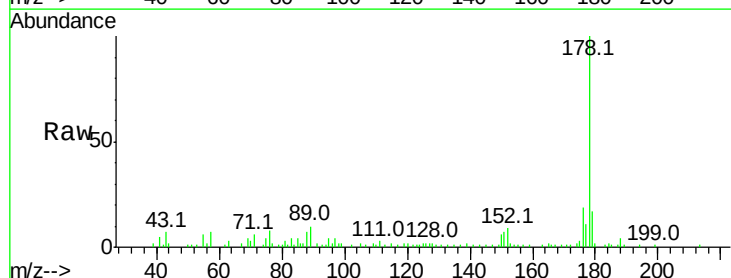
Instrument :
BNA_F
ClientSampleId :

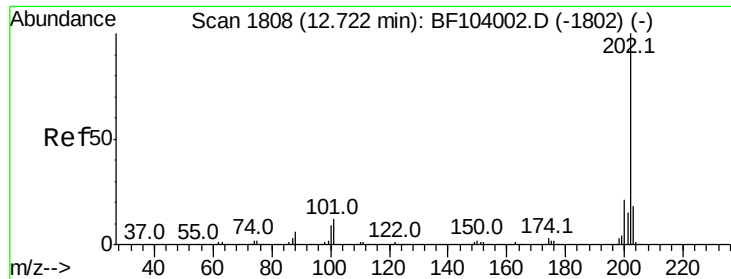
Tot Ion:178 Resp: 152166
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.4 13.0 19.6



#71
Anthracene
Concen: 3.870 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

Tgt Ion:178 Resp: 65245
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 16.9 12.6 19.0





#74

Fluoranthene

Concen: 13.410 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104029.D

Acq: 28 Mar 2018 23:47

Instrument :

BNA_F

ClientSampleId :

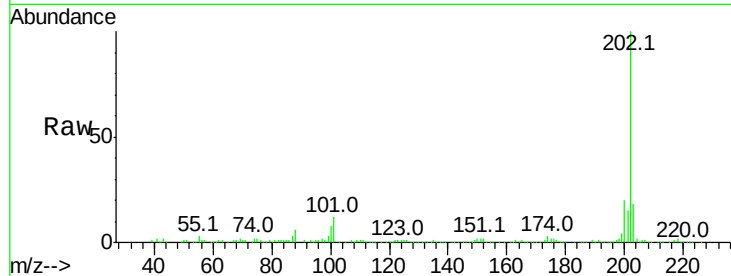
Tot Ion:202 Resp: 230048

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

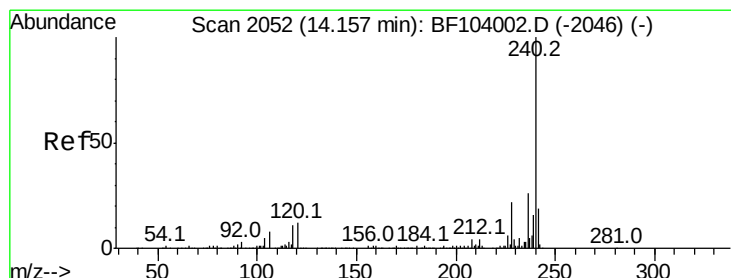
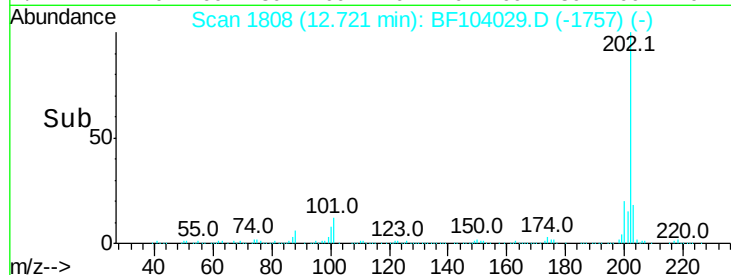
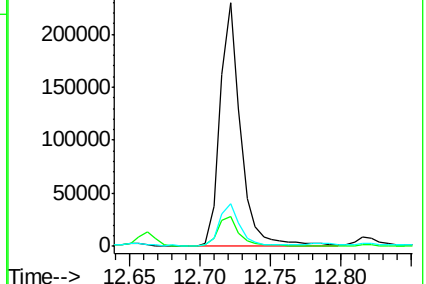
203 17.7 0.0 38.1



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: BF104029.D

Acq: 28 Mar 2018 23:47

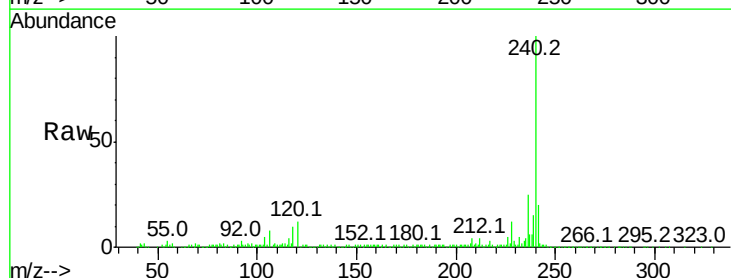
Tgt Ion:240 Resp: 238294

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

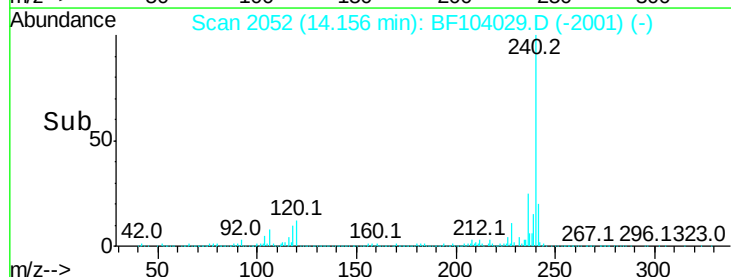
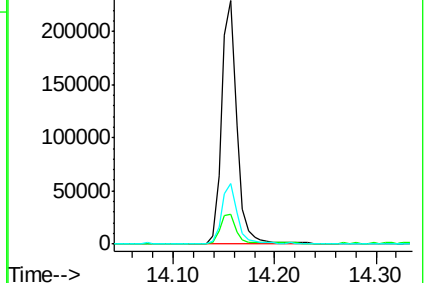
236 25.0 20.7 31.1

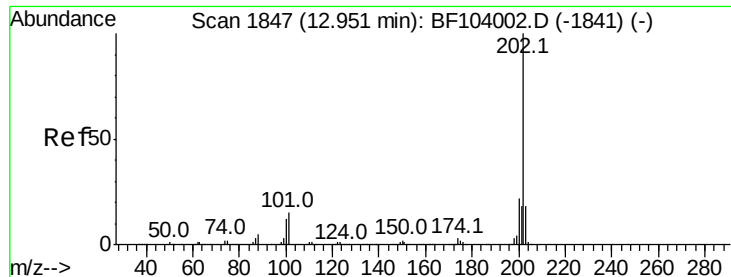


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.898 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

Lab File: BF104029.D

Acq: 28 Mar 2018 23:47

Instrument :

BNA_F

ClientSampleId :

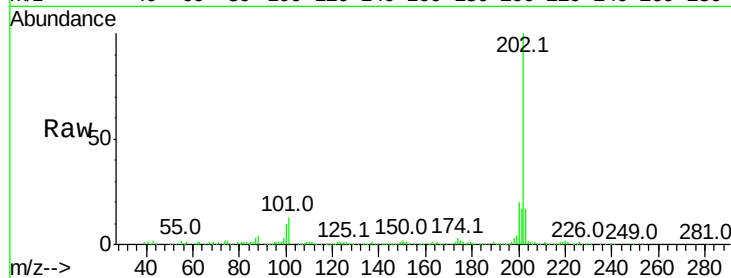
Tot Ion:202 Resp: 238073

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

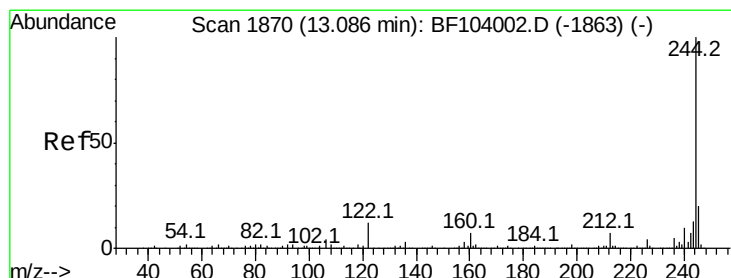
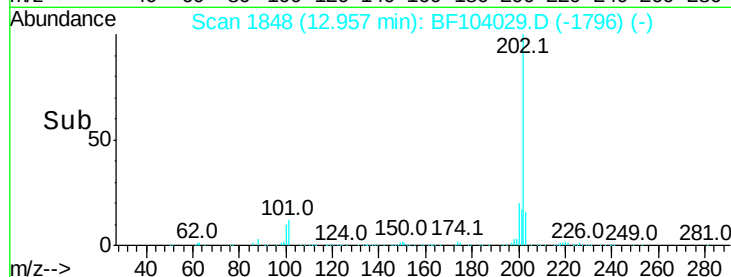
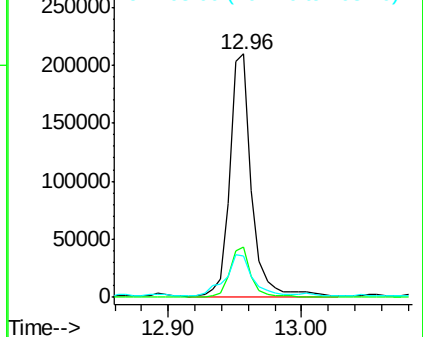
203 17.2 14.3 21.5



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: 17.686 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BF104029.D

Acq: 28 Mar 2018 23:47

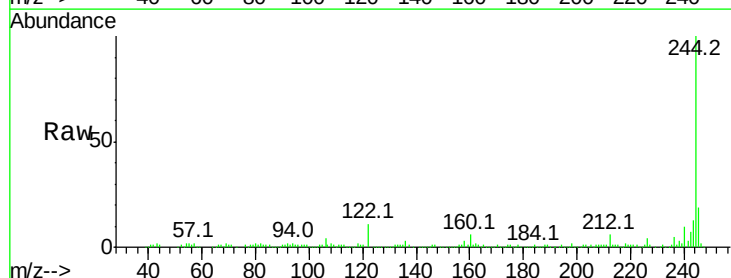
Tgt Ion:244 Resp: 182526

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

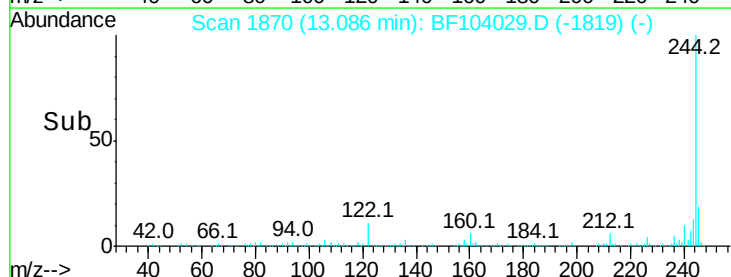
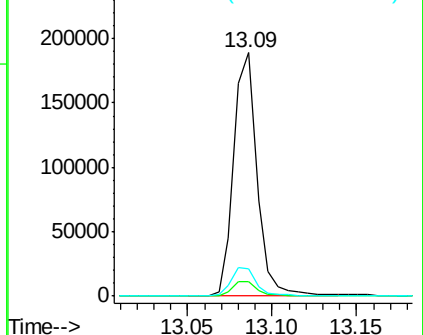
122 11.2 11.0 16.4

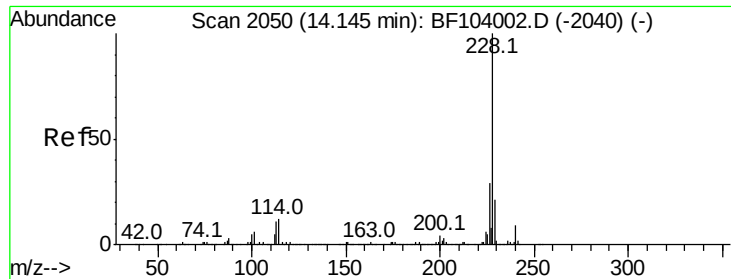


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

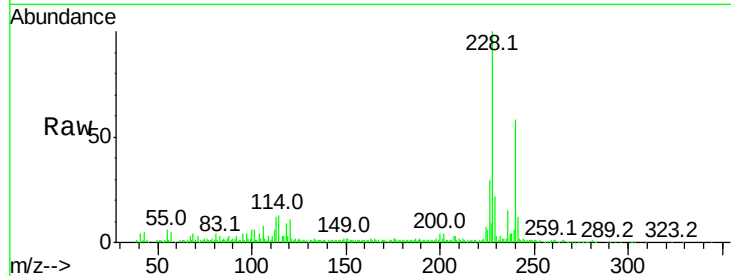




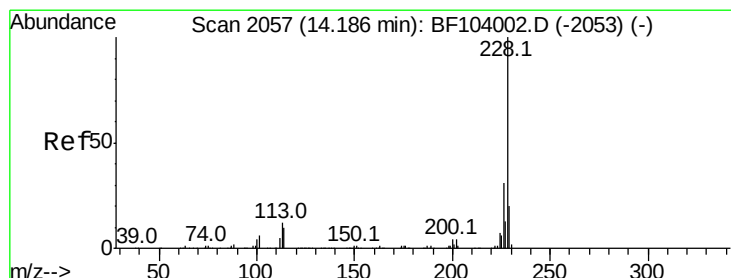
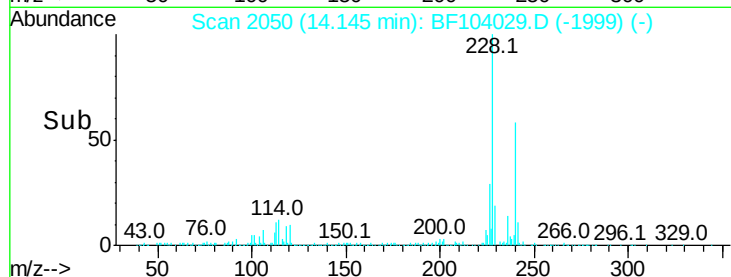
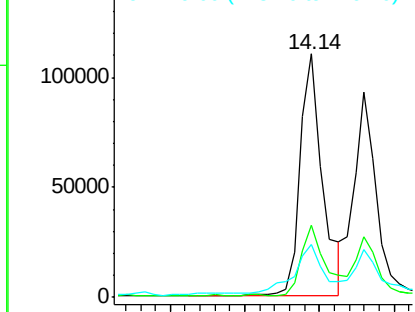
#80
Benzo(a)anthracene
Concen: 7.835 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	21.8	15.8	23.6

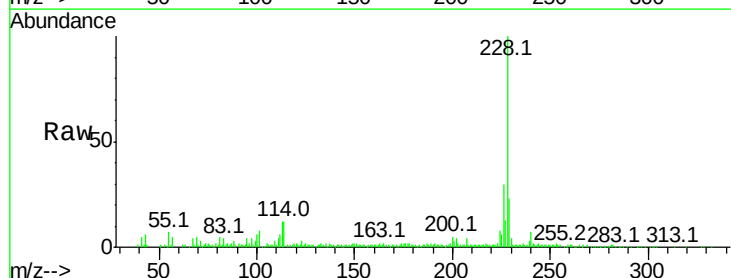


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

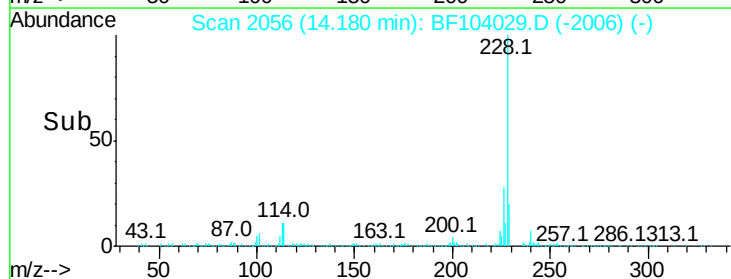
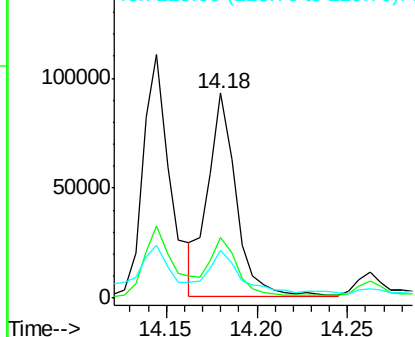


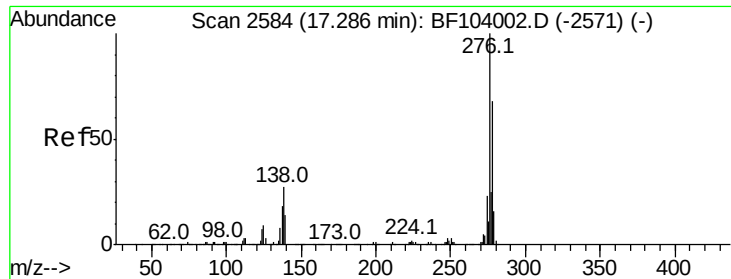
#82
Chrysene
Concen: 6.872 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	23.3	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

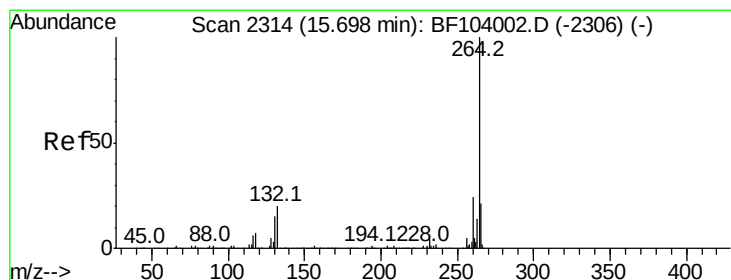
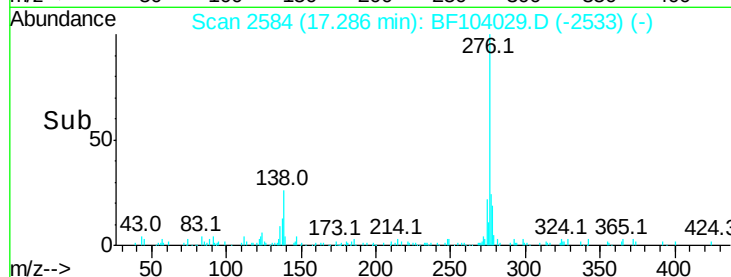
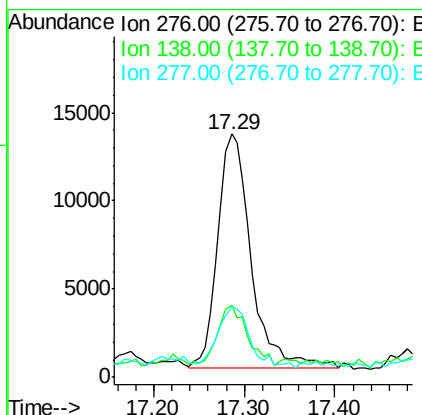
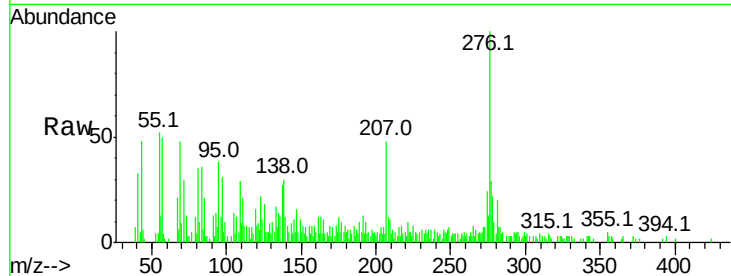




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.233 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

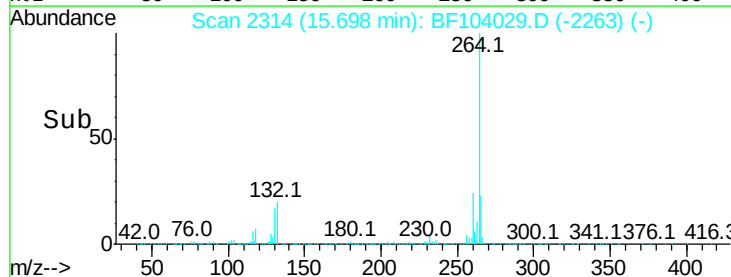
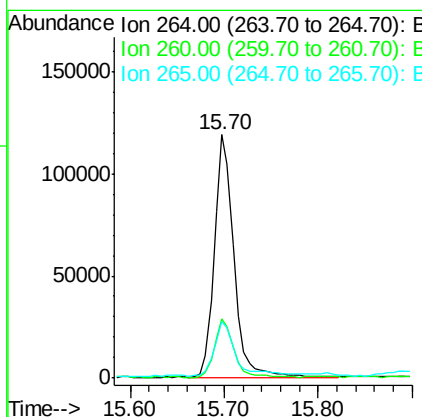
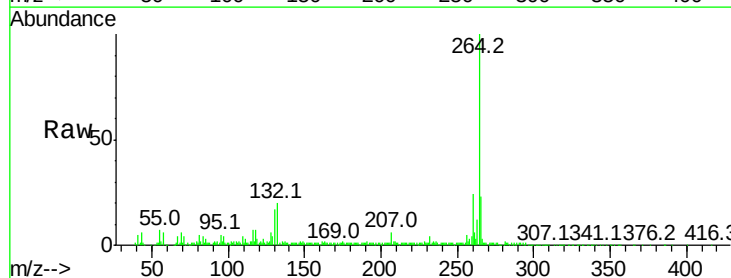
Instrument :
 BNA_F
 ClientSampleId :

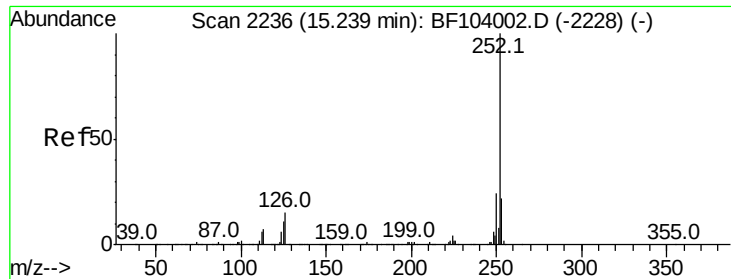
Tot Ion:276 Resp: 33797
 Ion Ratio Lower Upper
 276 100
 138 22.0 25.0 37.6#
 277 22.0 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. -0.00 min
 Lab File: BF104029.D
 Acq: 28 Mar 2018 23:47

Tgt Ion:264 Resp: 172615
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 23.3 17.5 26.3

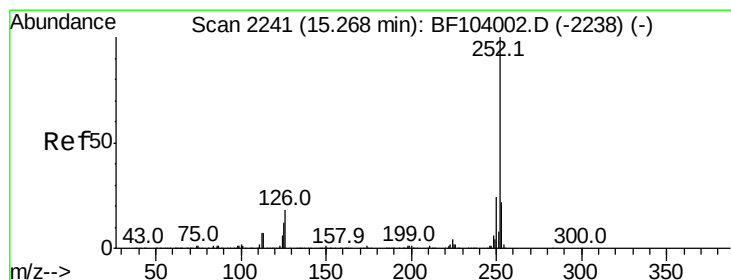
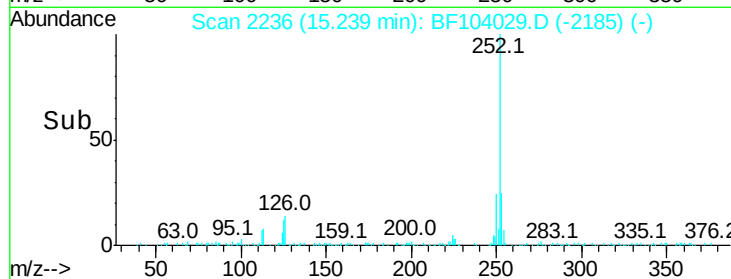
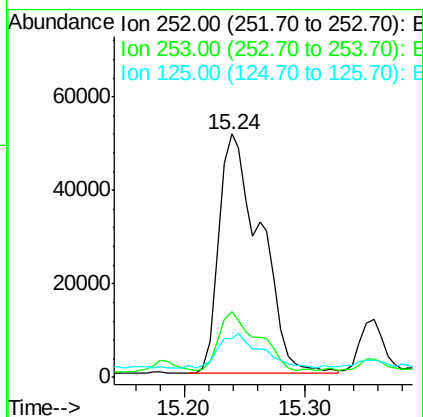
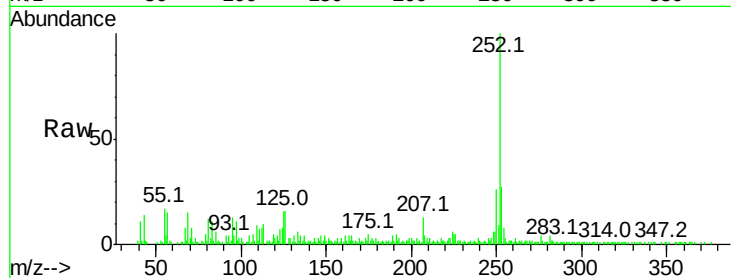




#87
Benzo(b)fluoranthene
Concen: 11.613 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

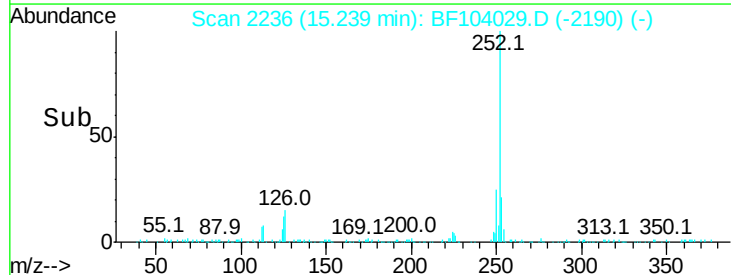
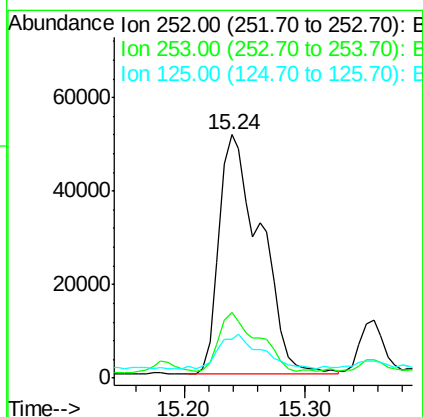
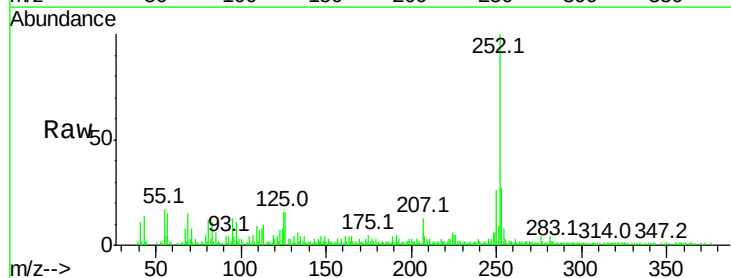
Instrument :
BNA_F
ClientSampleId :

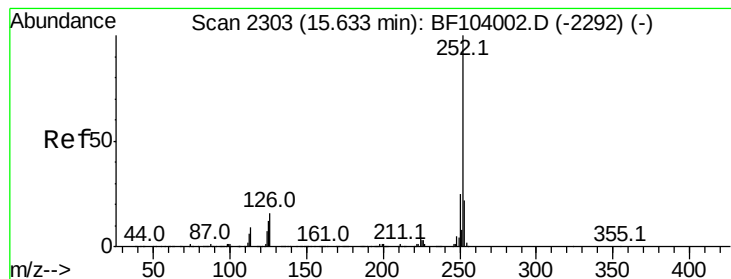
Tot Ion:252 Resp: 122000
Ion Ratio Lower Upper
252 100
253 26.9 17.0 25.6#
125 16.2 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 12.335 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF104029.D
Acq: 28 Mar 2018 23:47

Tgt Ion:252 Resp: 122066
Ion Ratio Lower Upper
252 100
253 26.9 17.9 26.9
125 16.2 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 7.059 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.00 min

Lab File: BF104029.D

Acq: 28 Mar 2018 23:47

Instrument :

BNA_F

ClientSampleId :

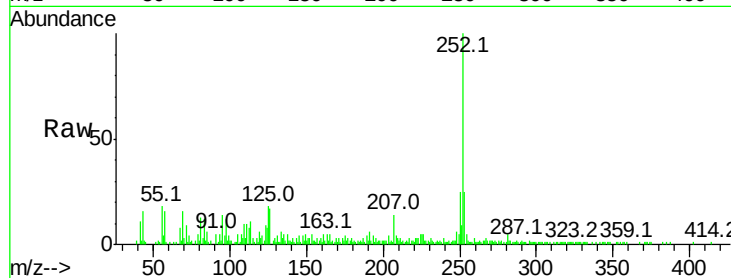
Tot Ion:252 Resp: 68718

Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

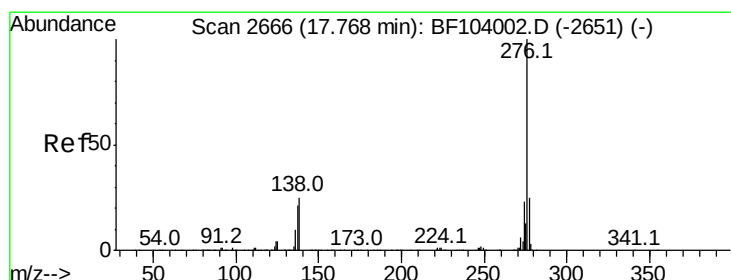
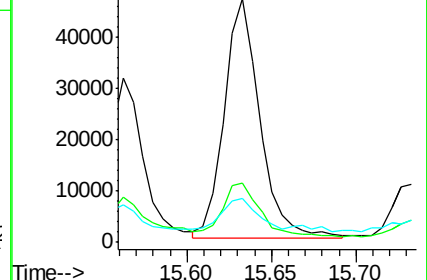
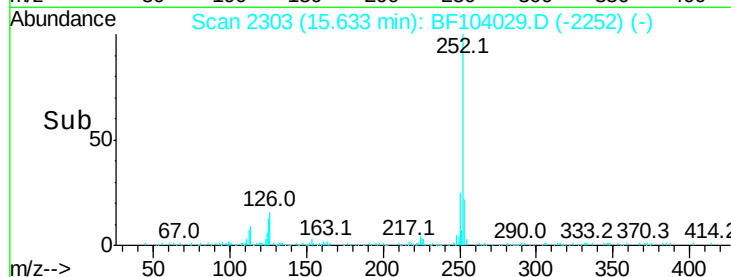
125 17.8 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 3.821 ng

RT: 17.77 min Scan# 2667

Delta R.T. 0.01 min

Lab File: BF104029.D

Acq: 28 Mar 2018 23:47

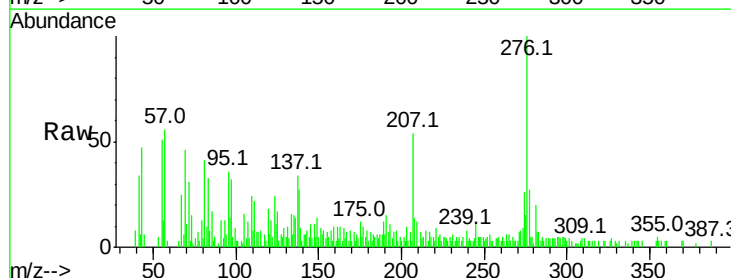
Tgt Ion:276 Resp: 34443

Ion Ratio Lower Upper

276 100

277 27.4 17.9 26.9#

138 27.4 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

