

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104162.D
 Acq On : 3 Apr 2018 5:43
 Operator : JU/SJ
 Sample : J2121-14
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 06:55:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	98127	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	395789	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	168320	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	247916	20.00	ng	0.00
75) Chrysene-d12	14.15	240	206712	20.00	ng	0.00
86) Perylene-d12	15.70	264	135007	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	542340	88.14	ng	0.01
7) Phenol-d6	6.60	99	718175	94.87	ng	0.00
23) Nitrobenzene-d5	7.52	82	400714	61.92	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	141455	75.47	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	739923	69.32	ng	0.00
78) Terphenyl-d14	13.08	244	521157	58.21	ng	0.00

Target Compounds

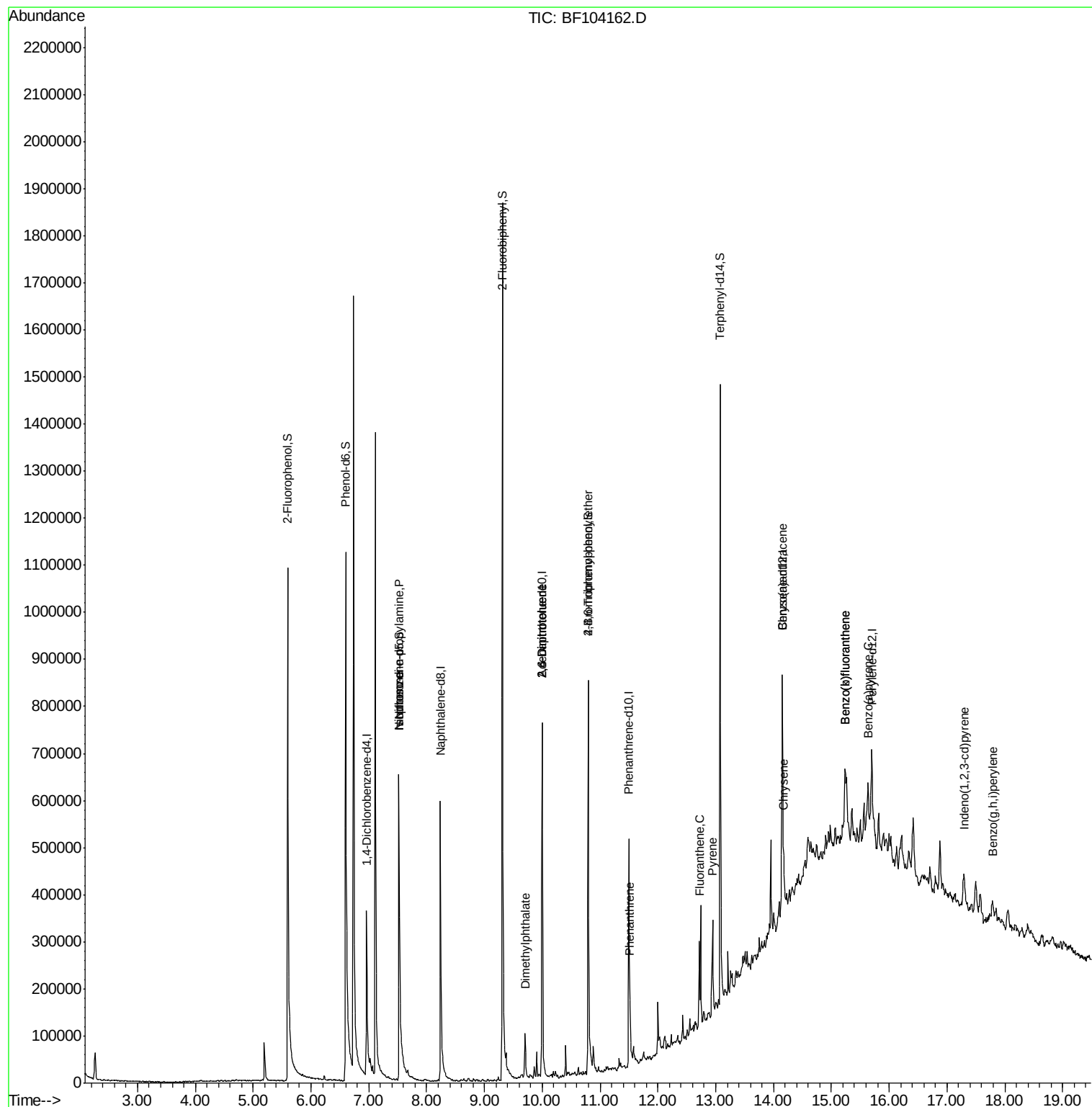
						Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	49219	10.956	ng	# 75
25) Isophorone	7.52	82	400714	33.597	ng	# 64
49) Dimethylphthalate	9.70	163	44453	3.345	ng	100
50) 2,6-Dinitrotoluene	10.00	165	21218	7.421	ng	# 25
56) 2,4-Dinitrotoluene	10.00	165	21325	5.845	ng	# 23
66) 4-Bromophenyl-phenylether	10.79	248	8547	3.222	ng	# 1
70) Phenanthrene	11.52	178	40926	3.049	ng	99
74) Fluoranthene	12.72	202	84021	5.889	ng	96
77) Pyrene	12.94	202	96871	6.519	ng	99
80) Benzo(a)anthracene	14.14	228	44823	3.465	ng	# 89
82) Chrysene	14.18	228	39725	3.136	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.30	276	50003	3.809	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	118178	14.383	ng	# 84
88) Benzo(k)fluoranthene	15.24	252	118178	15.269	ng	# 87
89) Benzo(a)pyrene	15.63	252	66863	8.781	ng	# 86
91) Benzo(g,h,i)perylene	17.79	276	44580	6.322	ng	# 90

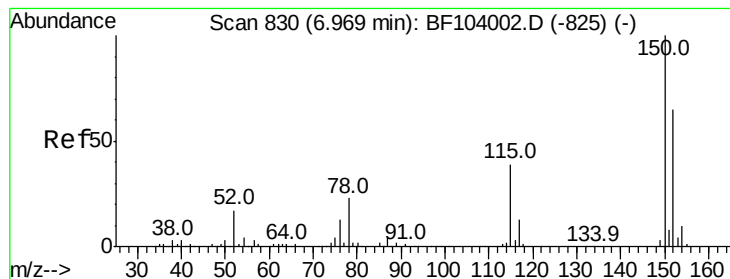
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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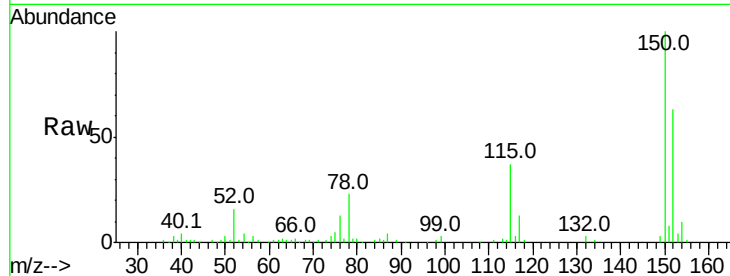


#1

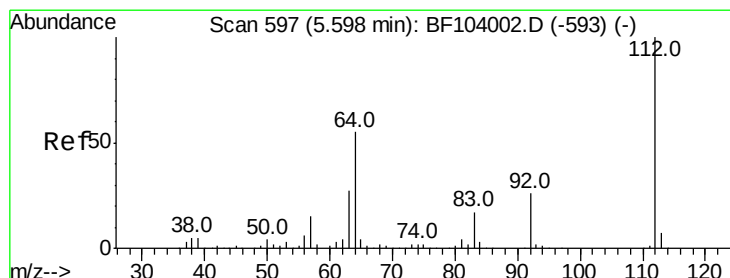
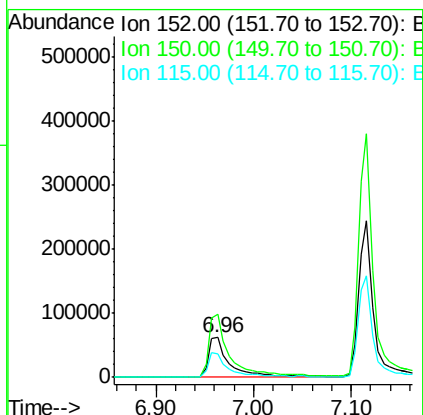
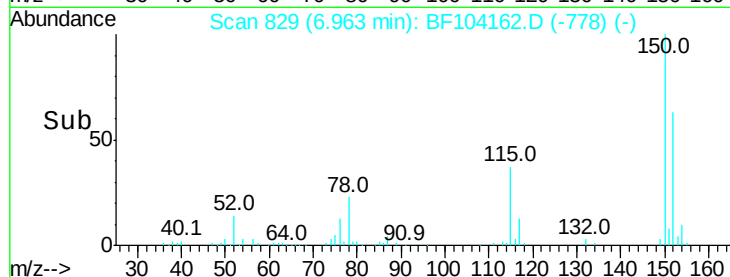
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF104162.D
Acq: 3 Apr 2018 5:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 98127
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 59.3 50.1 75.1



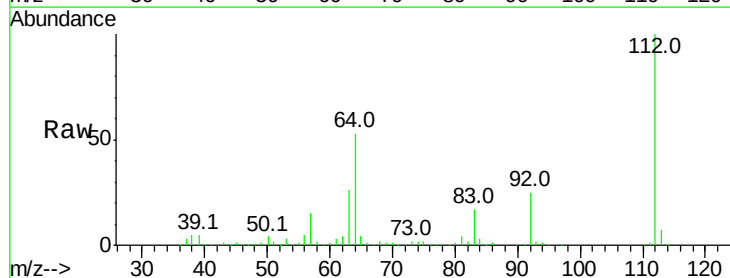
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



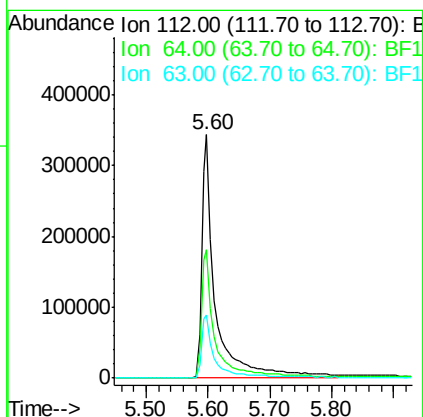
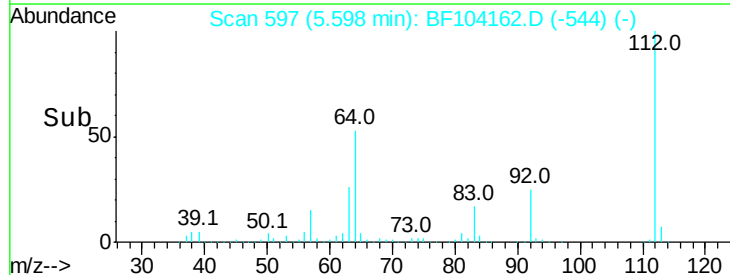
#5

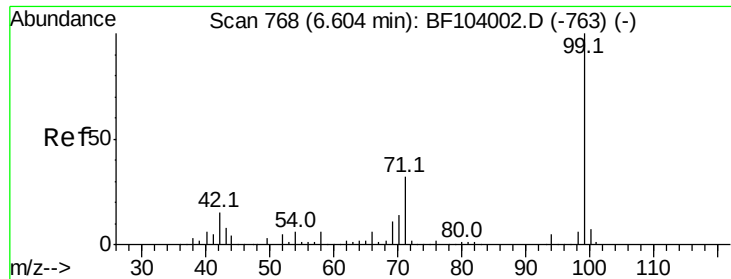
2-Fluorophenol
Concen: 88.140 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF104162.D
Acq: 3 Apr 2018 5:43

Tgt Ion:112 Resp: 542340
Ion Ratio Lower Upper
112 100
64 53.0 47.9 71.9
63 26.1 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: 94.869 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104162.D

Acq: 3 Apr 2018 5:43

Instrument :

BNA_F

ClientSampled :

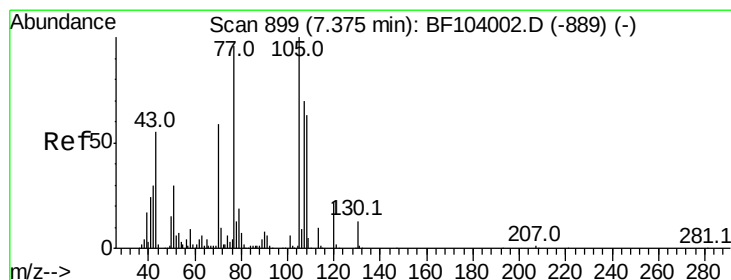
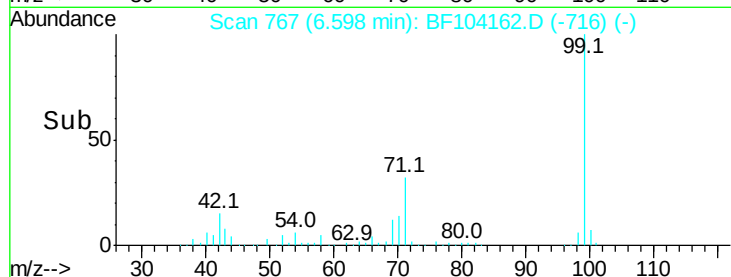
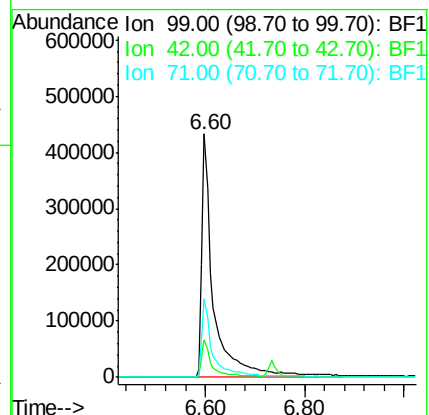
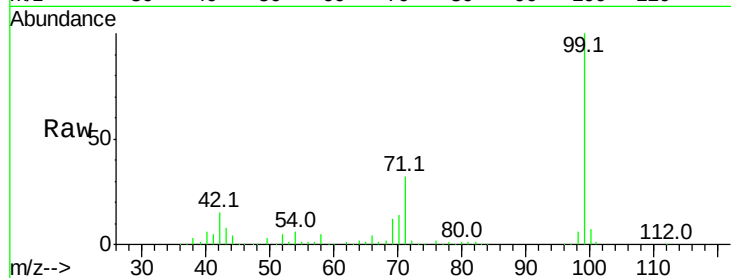
Tot Ion: 99 Resp: 718175

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

71 32.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.956 ng

RT: 7.52 min Scan# 924

Delta R.T. 0.15 min

Lab File: BF104162.D

Acq: 3 Apr 2018 5:43

Tgt Ion: 70 Resp: 49219

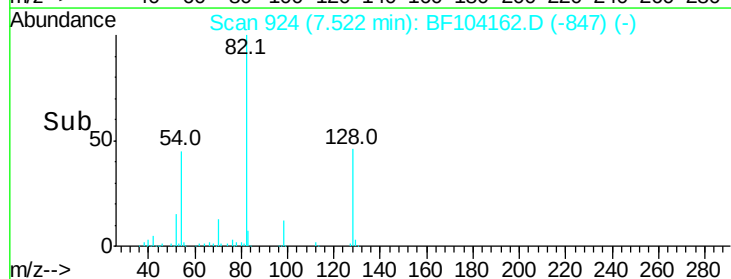
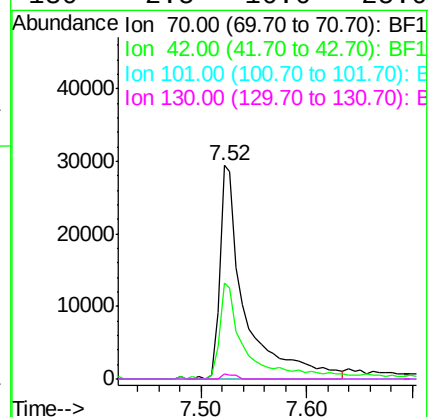
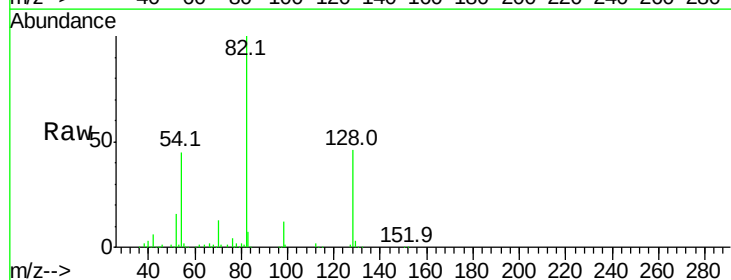
Ion Ratio Lower Upper

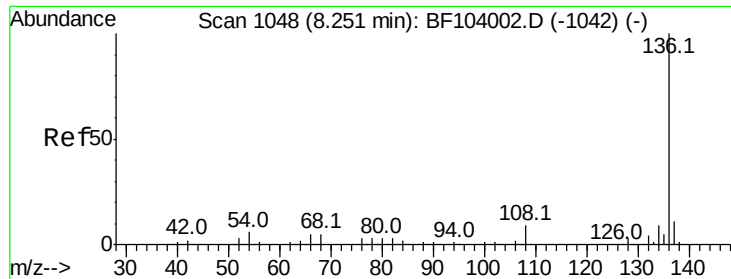
70 100

42 44.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

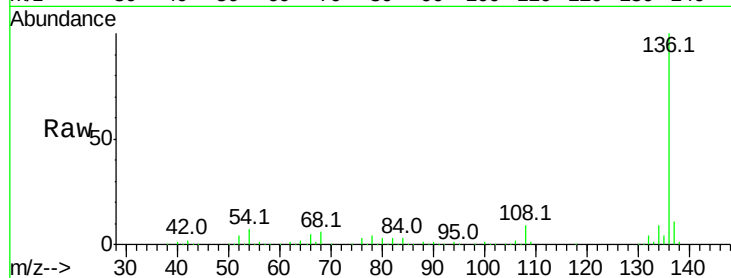




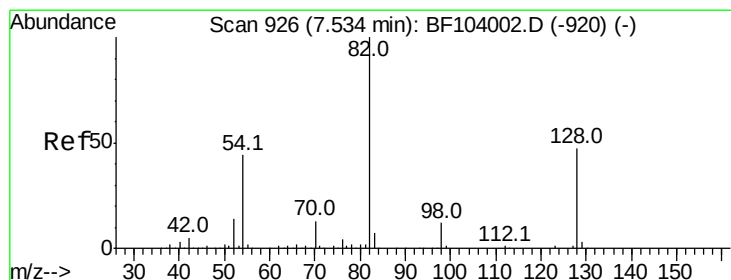
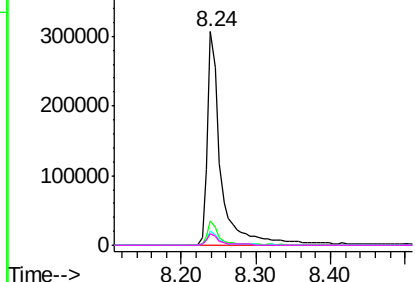
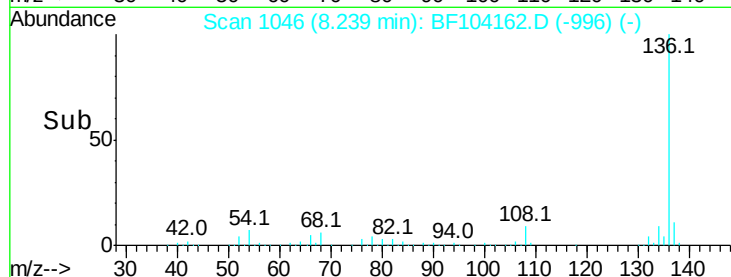
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104162.D
Acq: 3 Apr 2018 5:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	395789
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.8	6.6	9.8
68	5.6	5.0	7.4

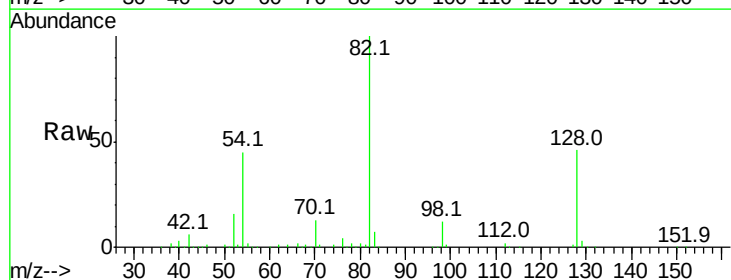


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

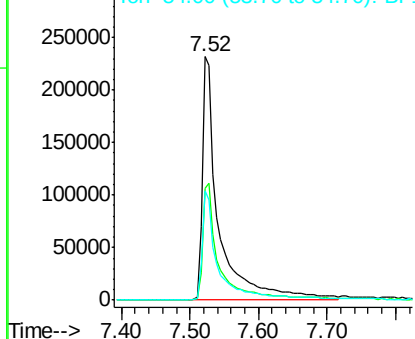
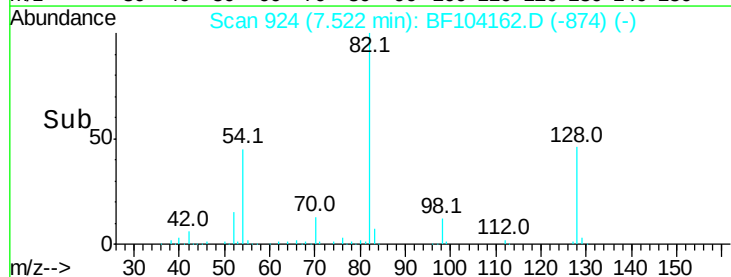


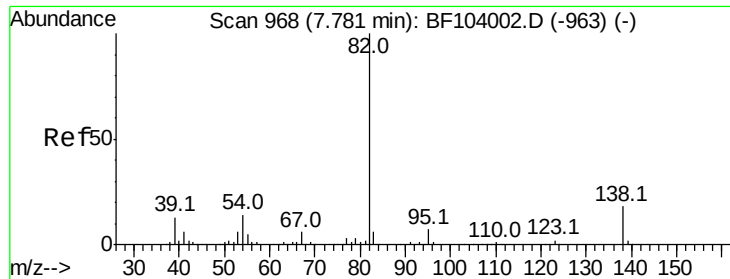
#23
Nitrobenzene-d5
Concen: 61.917 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104162.D
Acq: 3 Apr 2018 5:43

Tgt Ion:	82	Resp:	400714
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	44.9	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: 33.597 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.25 min

Lab File: BF104162.D

Acq: 3 Apr 2018 5:43

Instrument :

BNA_F

ClientSampleId :

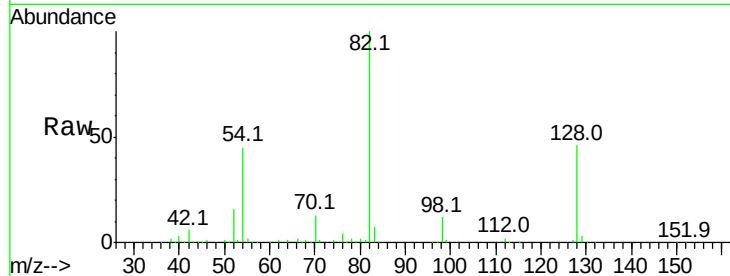
Tot Ion: 82 Resp: 400714

Ion Ratio Lower Upper

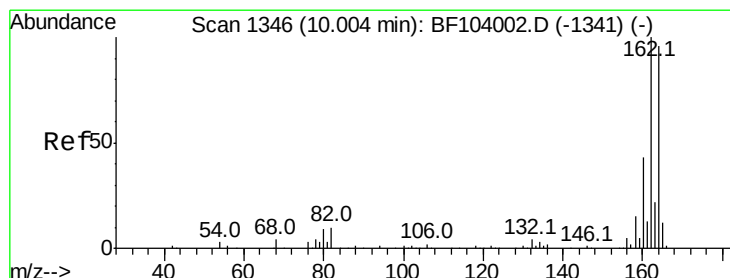
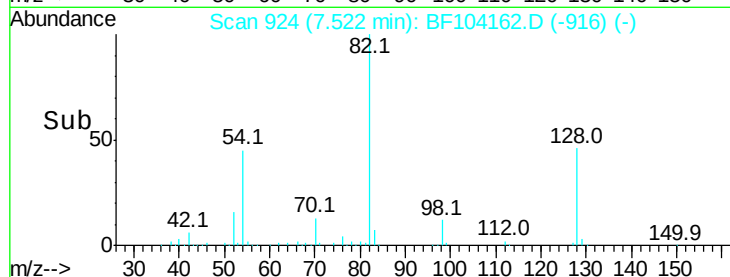
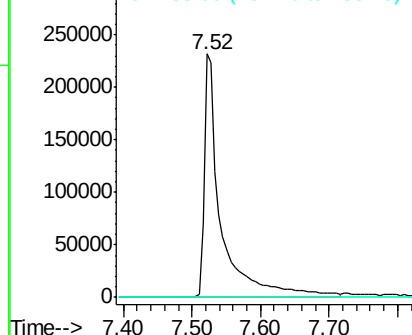
82 100

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# 1345

Delta R.T. -0.00 min

Lab File: BF104162.D

Acq: 3 Apr 2018 5:43

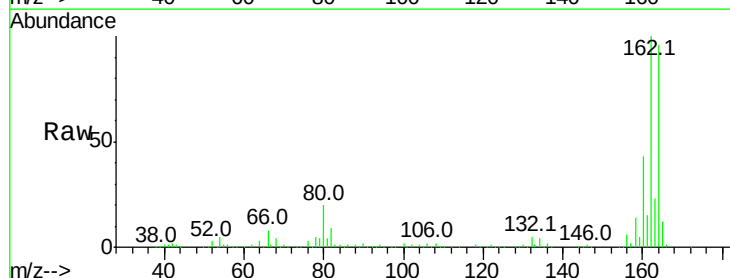
Tgt Ion:164 Resp: 168320

Ion Ratio Lower Upper

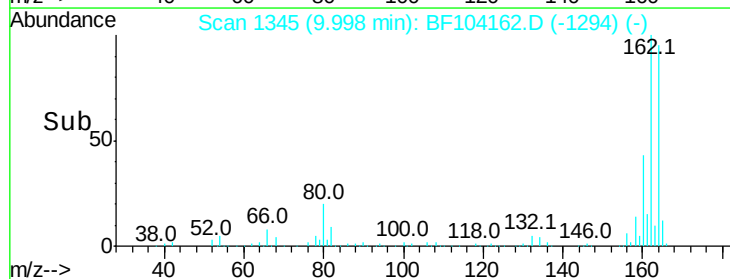
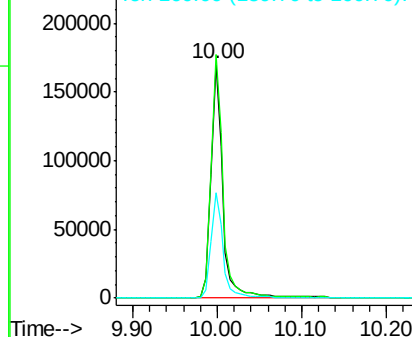
164 100

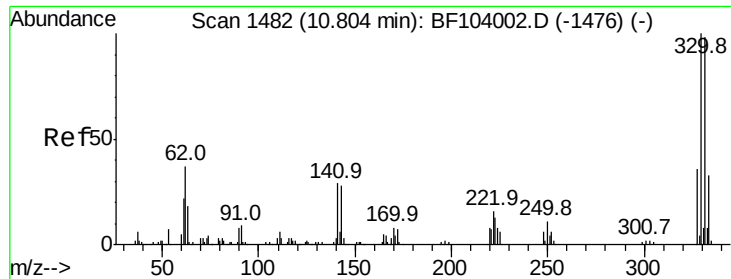
162 104.2 86.1 129.1

160 44.8 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

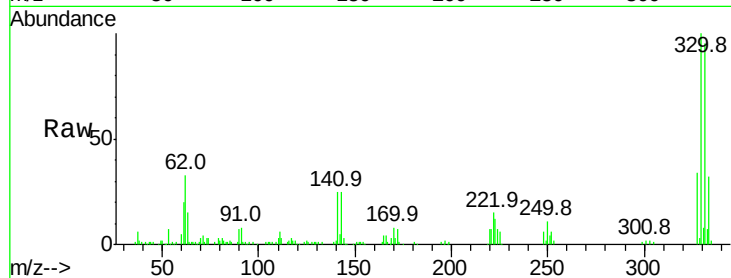




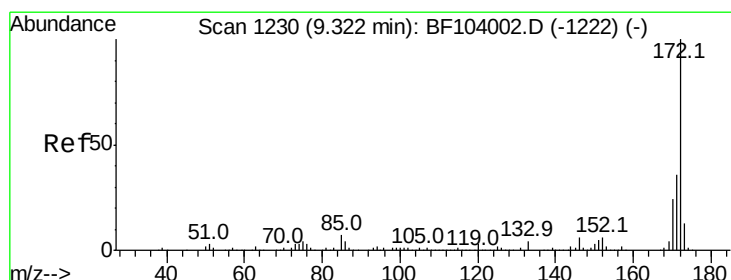
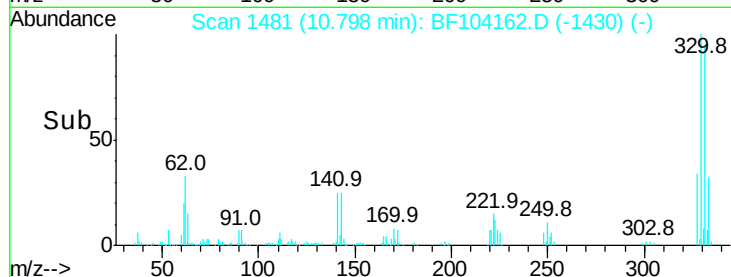
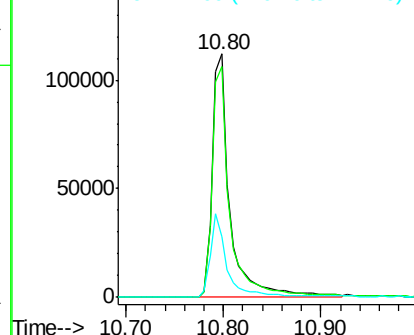
#41
 2,4,6-Tribromophenol
 Concen: 75.473 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF104162.D
 Acq: 3 Apr 2018 5:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	33.2	29.9	44.9

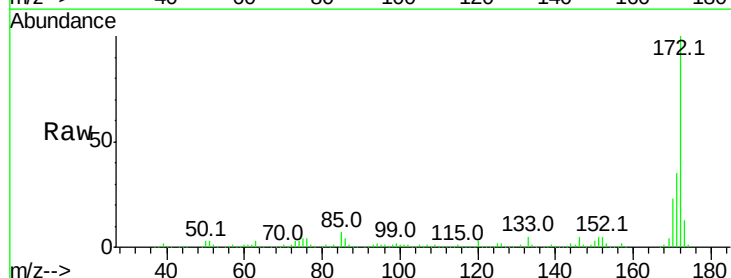


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

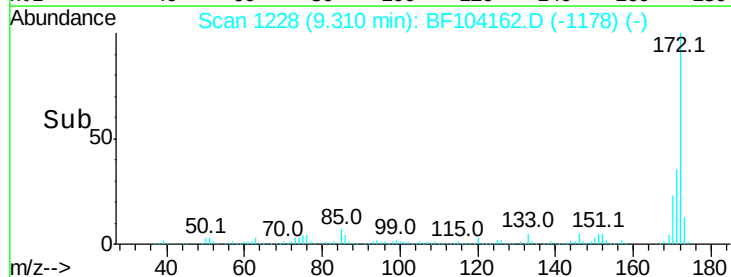
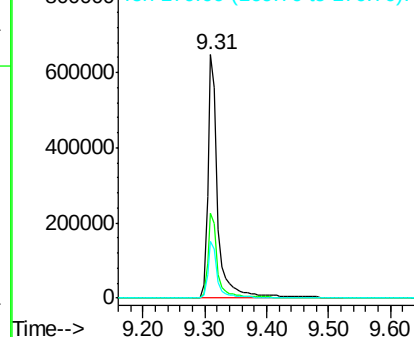


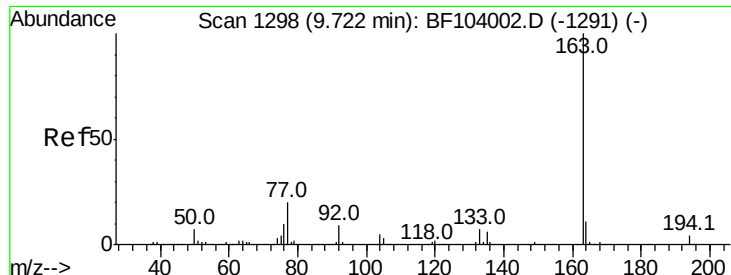
#44
 2-Fluorobiphenyl
 Concen: 69.320 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104162.D
 Acq: 3 Apr 2018 5:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	23.3	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: 3.345 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104162.D

Acq: 3 Apr 2018 5:43

Instrument :

BNA_F

ClientSampleId :

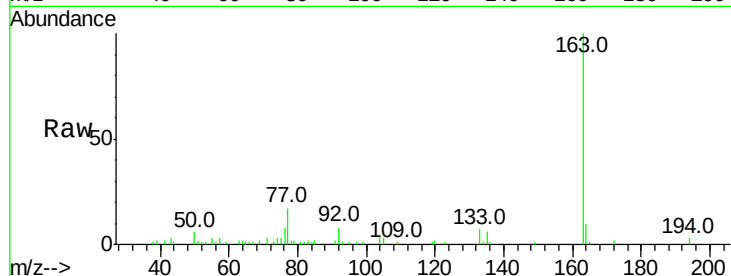
Tot Ion:163 Resp: 44453

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

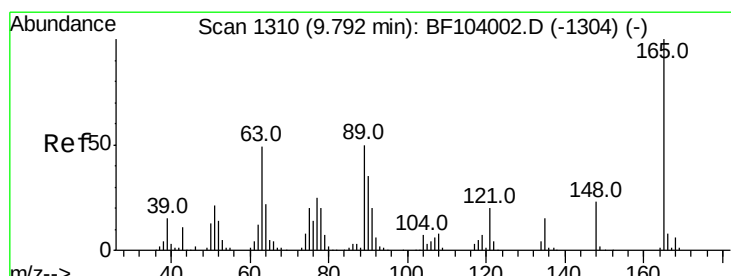
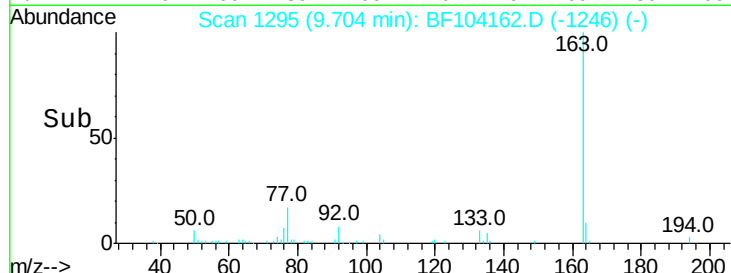
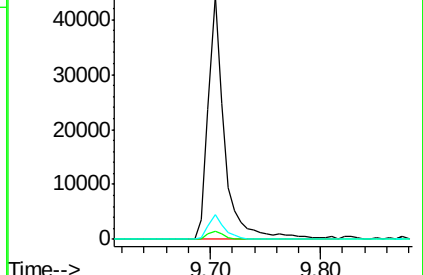
164 10.1 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.421 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.21 min

Lab File: BF104162.D

Acq: 3 Apr 2018 5:43

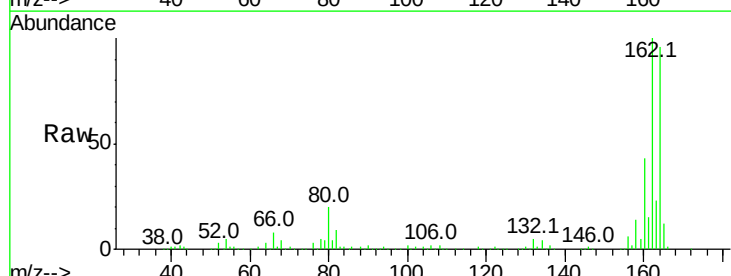
Tgt Ion:165 Resp: 21218

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

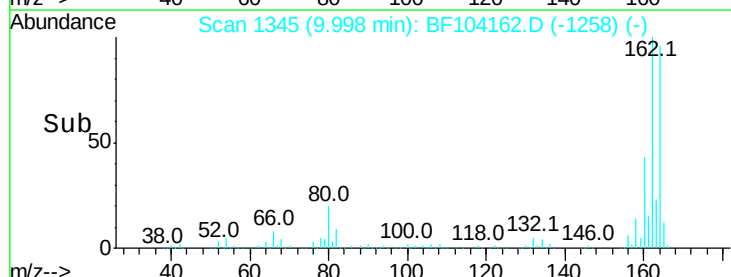
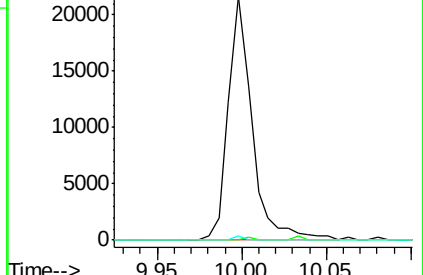
89 1.7 44.0 66.0#

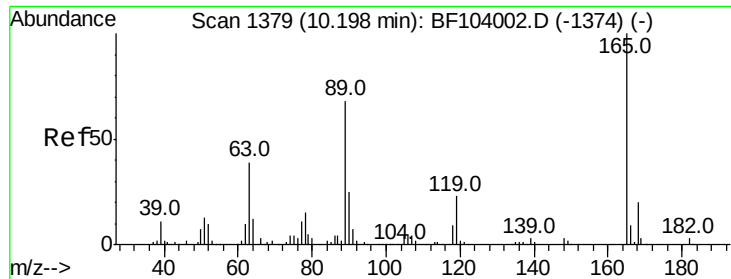


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

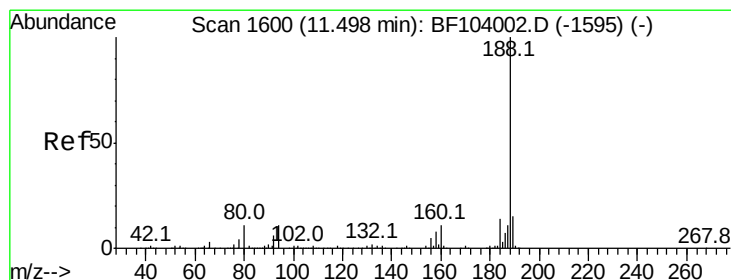
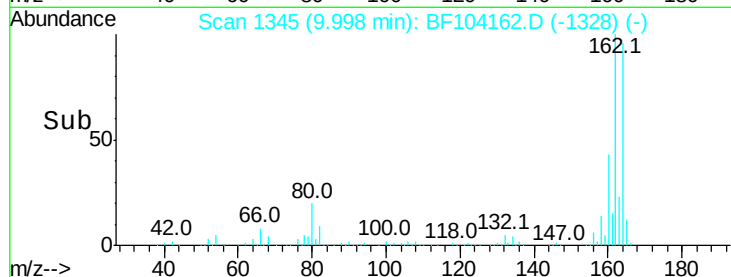
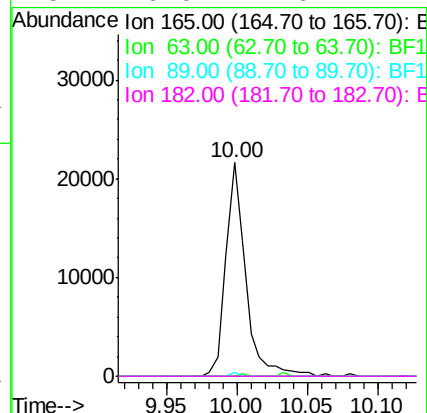
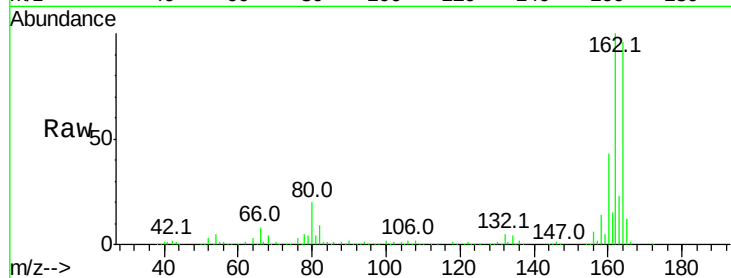




#56
 2,4-Dinitrotoluene
 Concen: 5.845 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.20 min
 Lab File: BF104162.D
 Acq: 3 Apr 2018 5:43

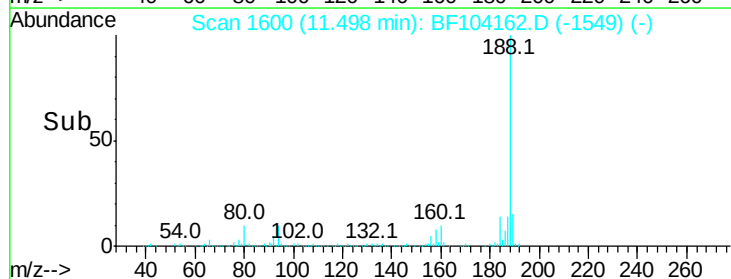
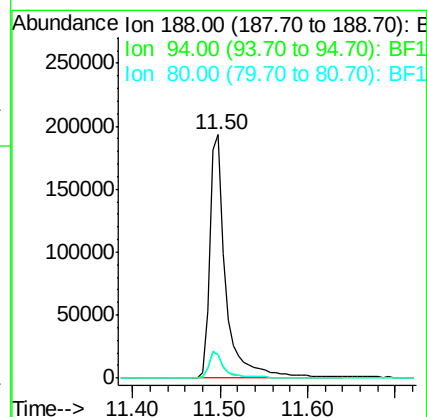
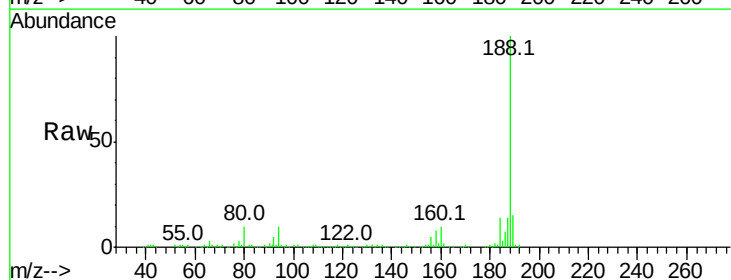
Instrument :
 BNA_F
 ClientSampleId :

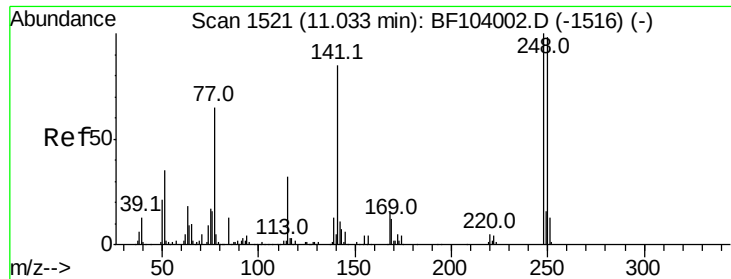
Tot Ion:165	Resp:	21325
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.7	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BF104162.D
 Acq: 3 Apr 2018 5:43

Tgt Ion:188	Resp:	247916
Ion Ratio	Lower	Upper
188	100	
94	9.7	8.5 12.7
80	9.7	9.2 13.8

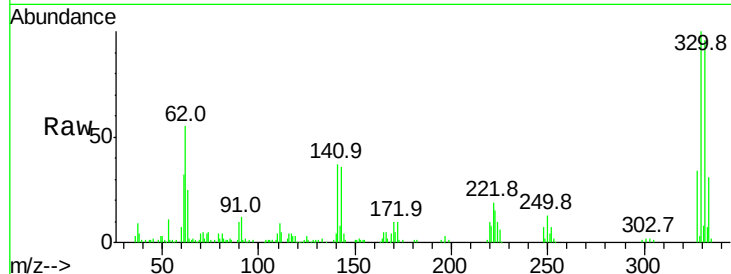




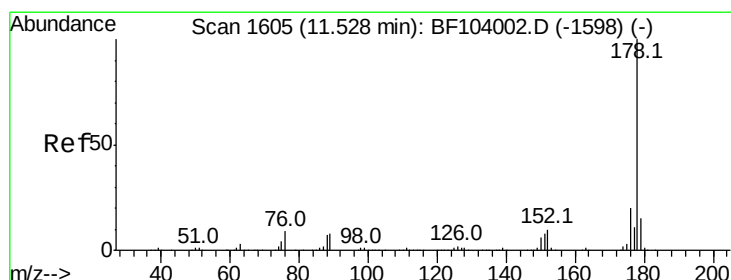
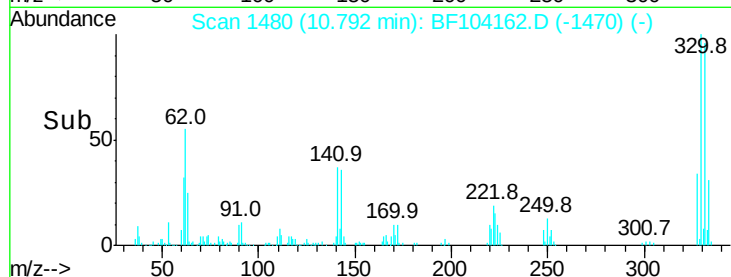
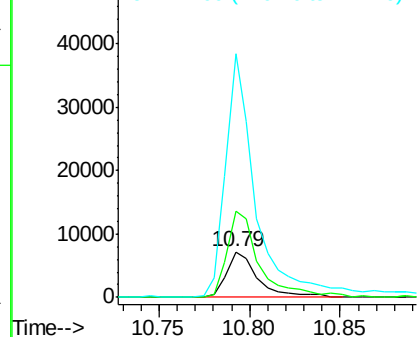
#66
 4-Bromophenyl-phenylether
 Concen: 3.222 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.24 min
 Lab File: BF104162.D
 Acq: 3 Apr 2018 5:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 8547
 Ion Ratio Lower Upper
 248 100
 250 191.6 76.9 115.3#
 141 538.2 74.4 111.6#

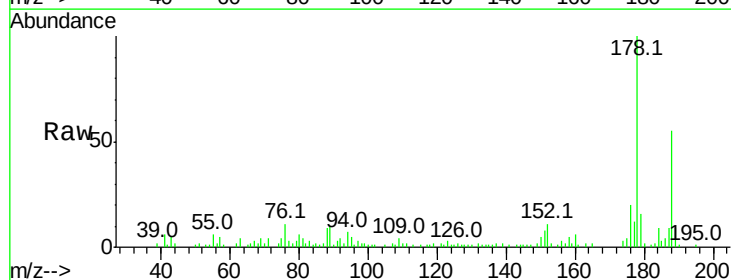


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

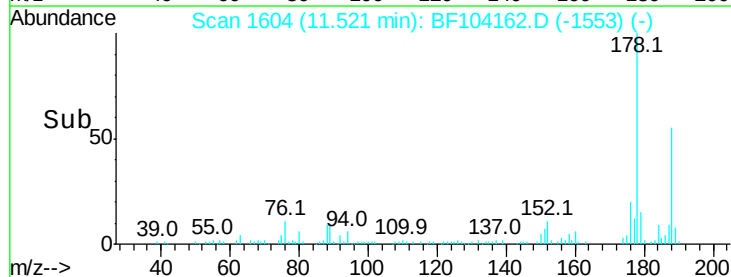
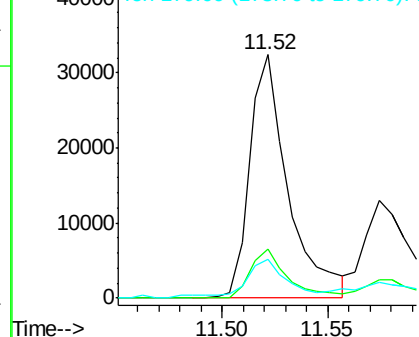


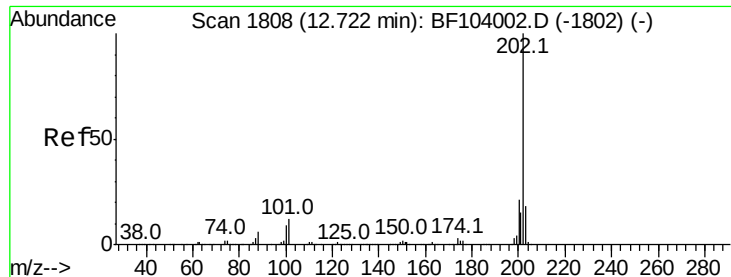
#70
 Phenanthrene
 Concen: 3.049 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.00 min
 Lab File: BF104162.D
 Acq: 3 Apr 2018 5:43

Tgt Ion:178 Resp: 40926
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 15.8 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.889 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF104162.D

Acq: 3 Apr 2018 5:43

Instrument :

BNA_F

ClientSampled :

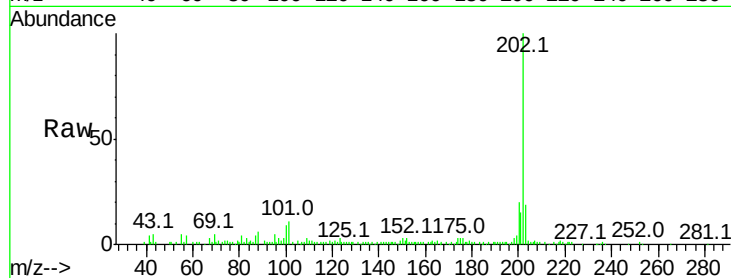
Tot Ion:202 Resp: 84021

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.1

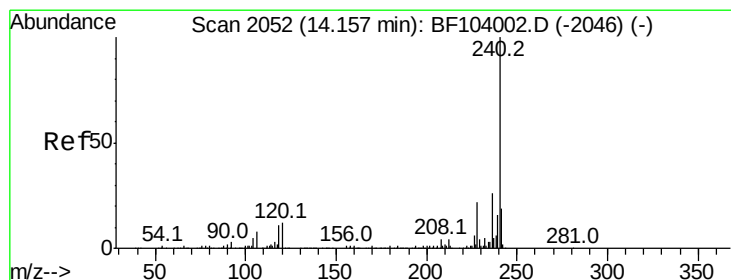
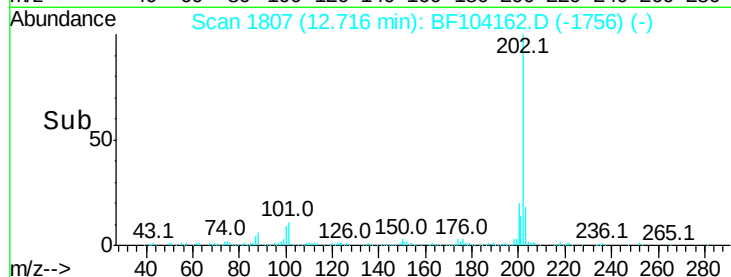
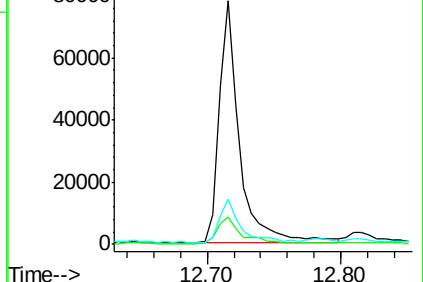
203 18.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF104162.D

Acq: 3 Apr 2018 5:43

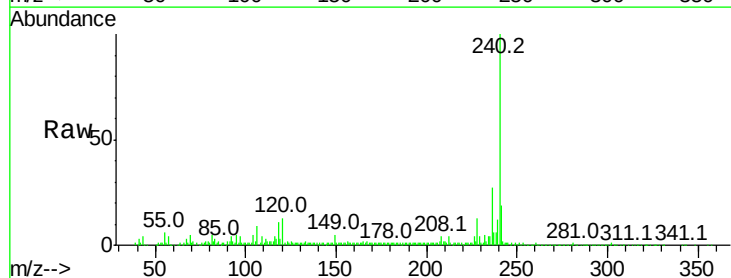
Tgt Ion:240 Resp: 206712

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

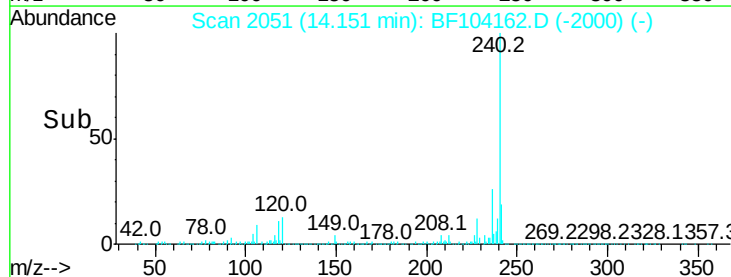
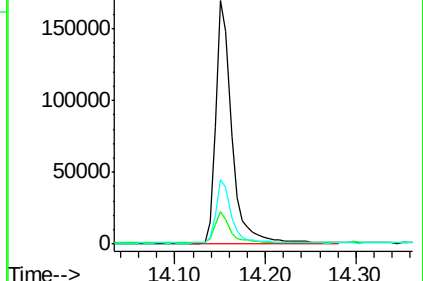
236 26.6 20.7 31.1

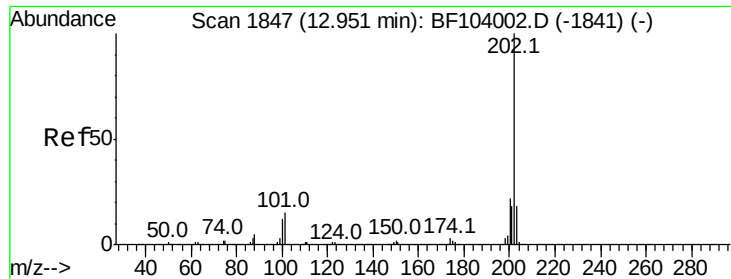


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

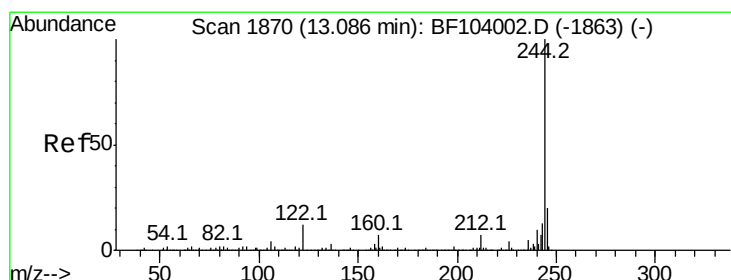
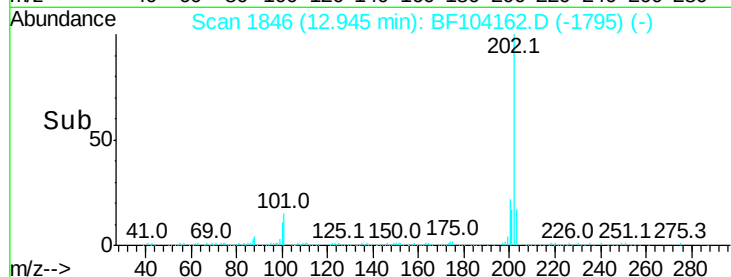
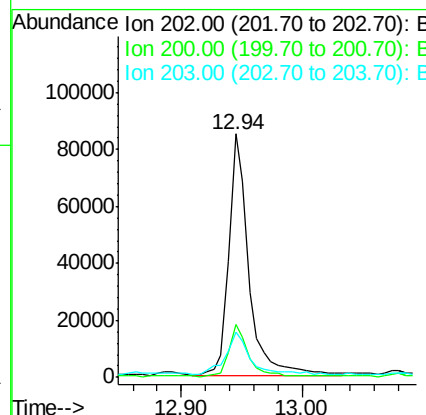
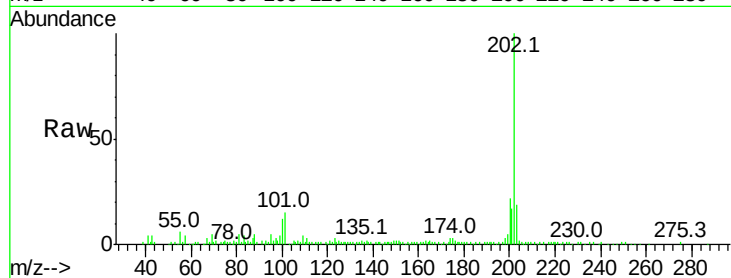




#77
Pvrene
Concen: 6.519 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.00 min
Lab File: BF104162.D
Acq: 3 Apr 2018 5:43

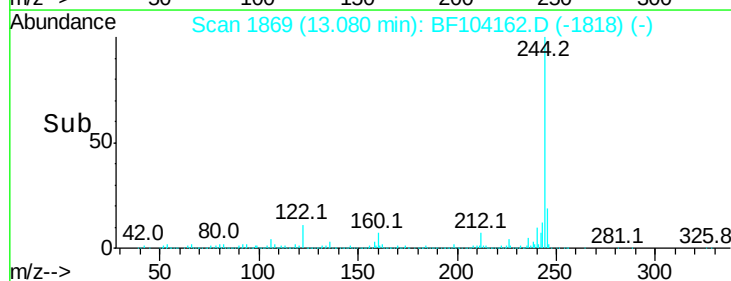
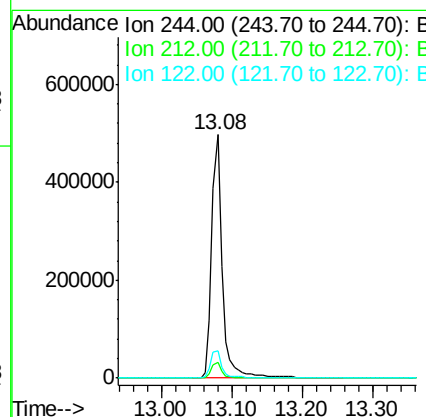
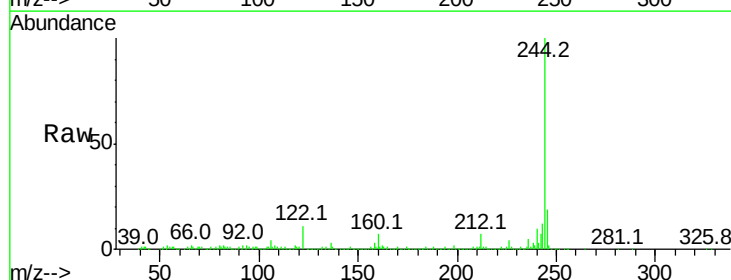
Instrument :
BNA_F
ClientSampleId :

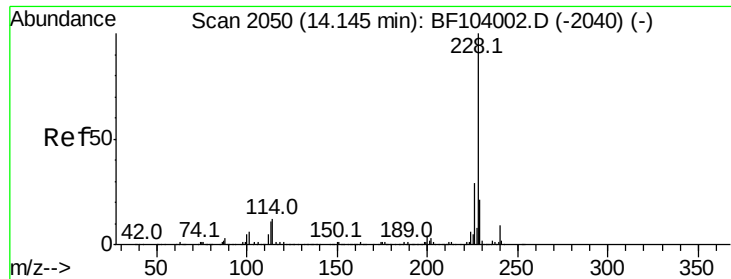
Tot Ion:202 Resp: 96871
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 18.6 14.3 21.5



#78
Terphenyl-d14
Concen: 58.213 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BF104162.D
Acq: 3 Apr 2018 5:43

Tgt Ion:244 Resp: 521157
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 11.3 11.0 16.4

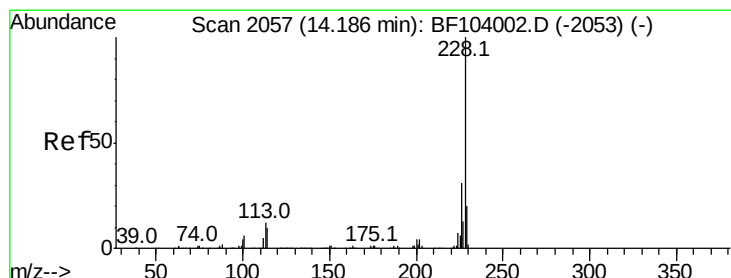
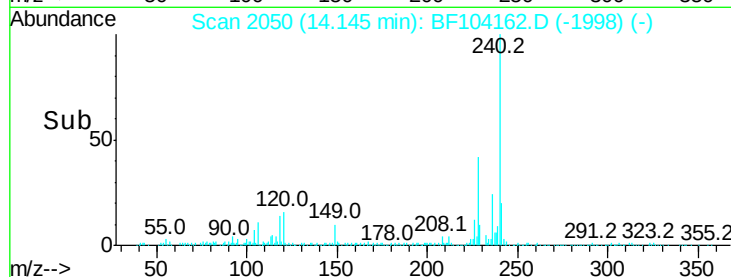
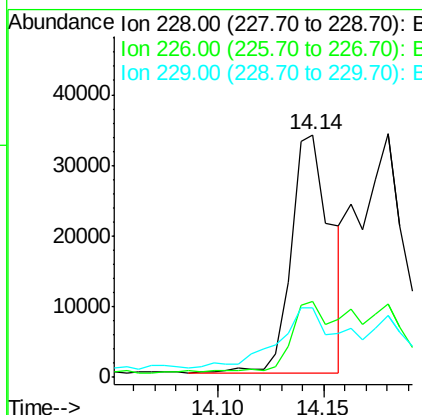
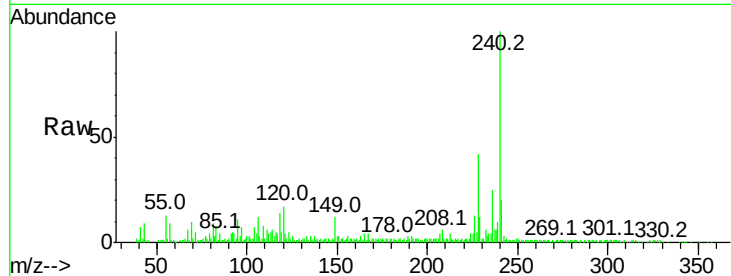




#80
Benzo(a)anthracene
Concen: 3.465 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.01 min
Lab File: BF104162.D
Acq: 3 Apr 2018 5:43

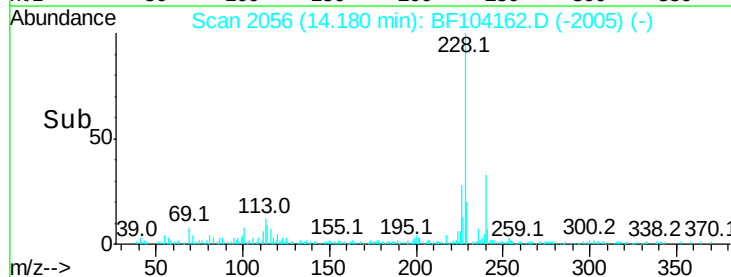
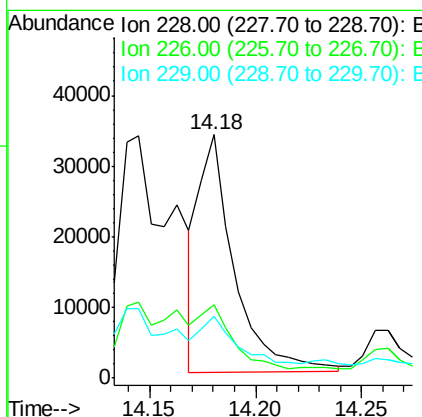
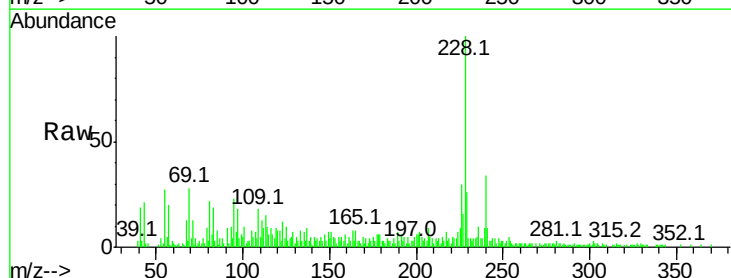
Instrument :
BNA_F
ClientSampled :

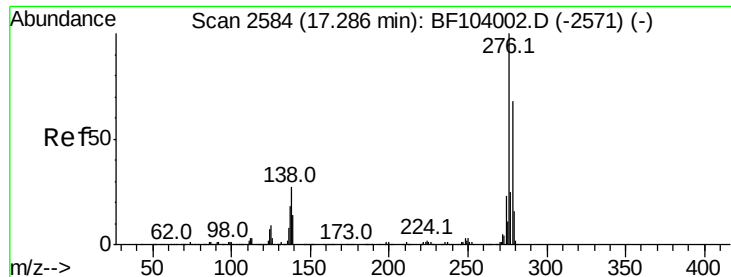
Tot Ion:228 Resp: 44823
Ion Ratio Lower Upper
228 100
226 31.0 22.6 33.8
229 28.5 15.8 23.6#



#82
Chrysene
Concen: 3.136 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BF104162.D
Acq: 3 Apr 2018 5:43

Tgt Ion:228 Resp: 39725
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 25.5 16.2 24.4#

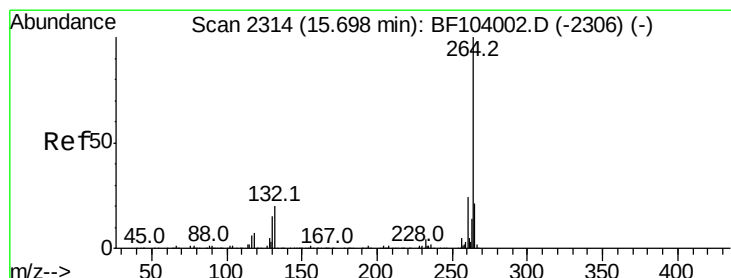
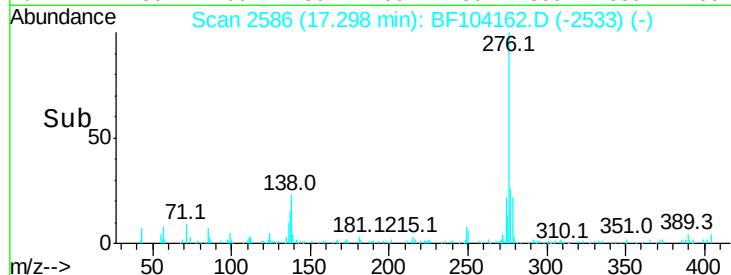
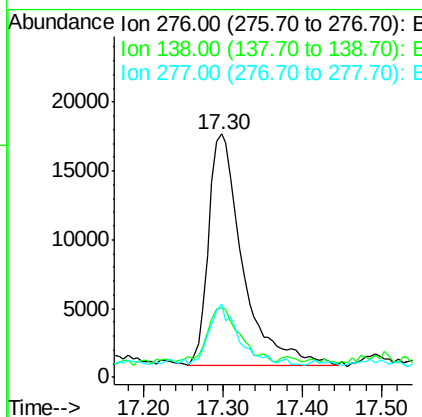
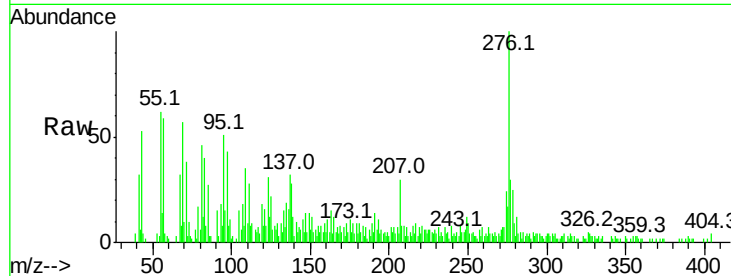




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.809 ng
 RT: 17.30 min Scan# 2586
 Delta R.T. 0.01 min
 Lab File: BF104162.D
 Acq: 3 Apr 2018 5:43

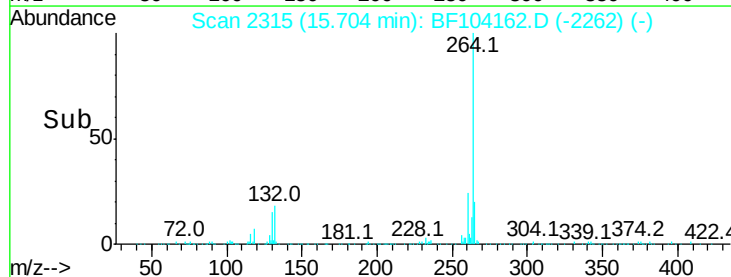
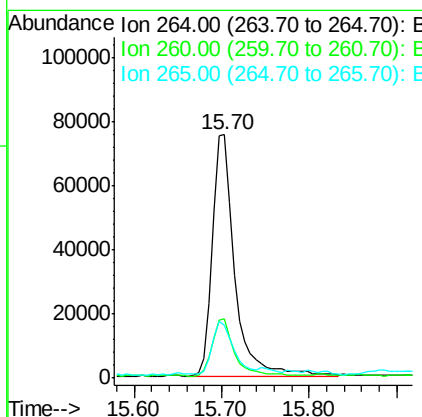
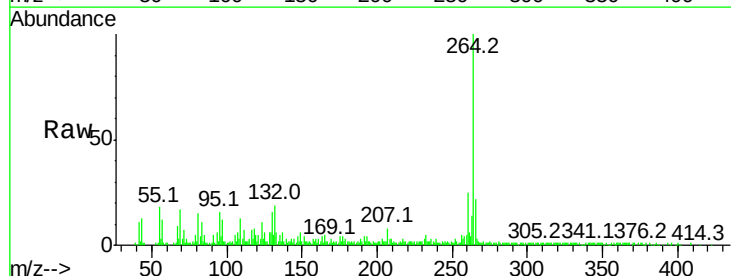
Instrument :
 BNA_F
 ClientSampleId :

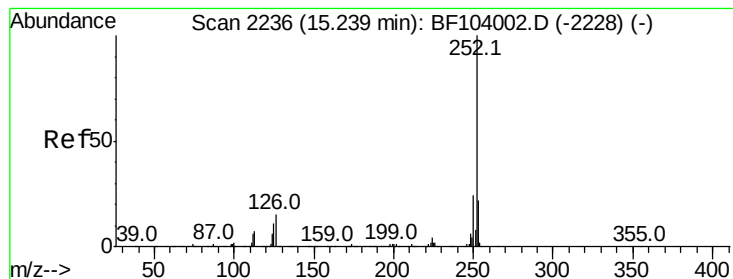
Tot Ion:276 Resp: 50003
 Ion Ratio Lower Upper
 276 100
 138 22.7 25.0 37.6#
 277 21.2 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. 0.01 min
 Lab File: BF104162.D
 Acq: 3 Apr 2018 5:43

Tgt Ion:264 Resp: 135007
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.2 28.8
 265 21.6 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 14.383 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF104162.D

Acq: 3 Apr 2018 5:43

Instrument :

BNA_F

ClientSampleId :

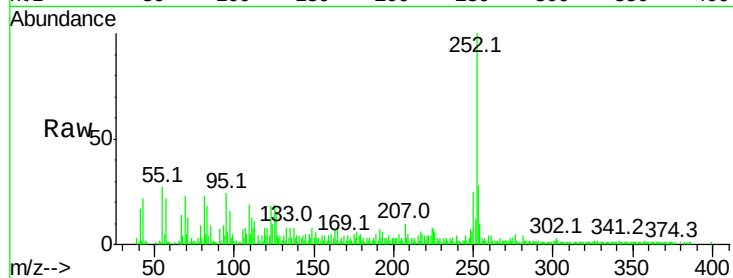
Tot Ion:252 Resp: 118178

Ion Ratio Lower Upper

252 100

253 27.7 17.0 25.6#

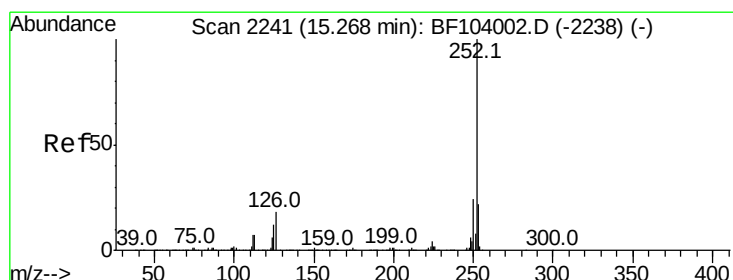
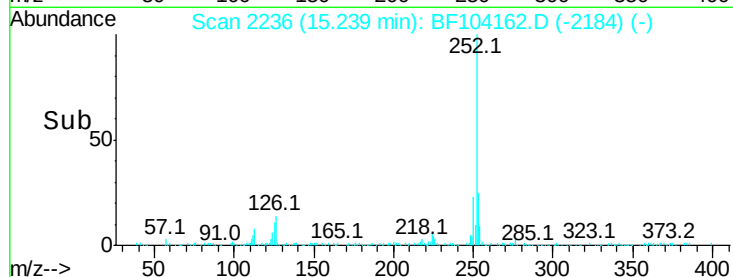
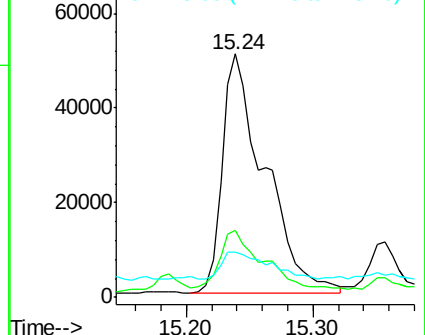
125 18.7 9.0 13.6#



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: 15.269 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF104162.D

Acq: 3 Apr 2018 5:43

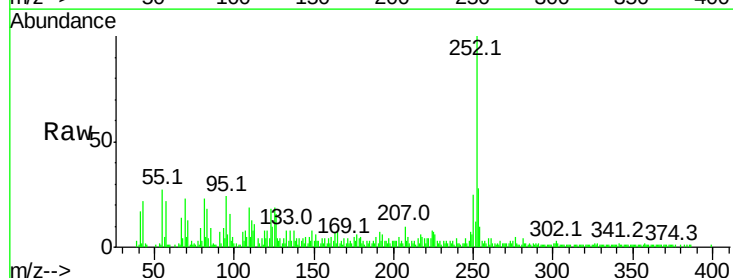
Tgt Ion:252 Resp: 118178

Ion Ratio Lower Upper

252 100

253 27.7 17.9 26.9#

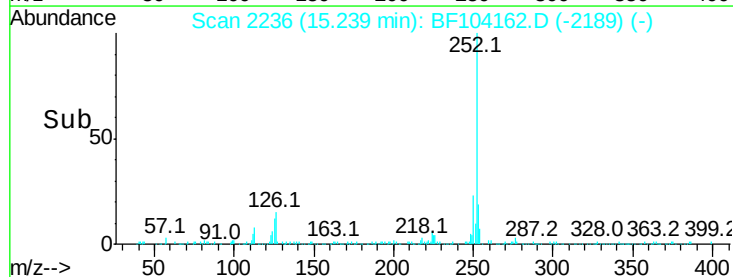
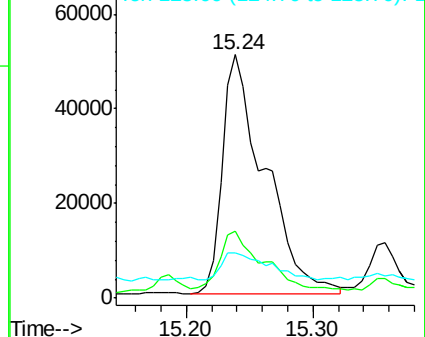
125 18.7 10.2 15.2#

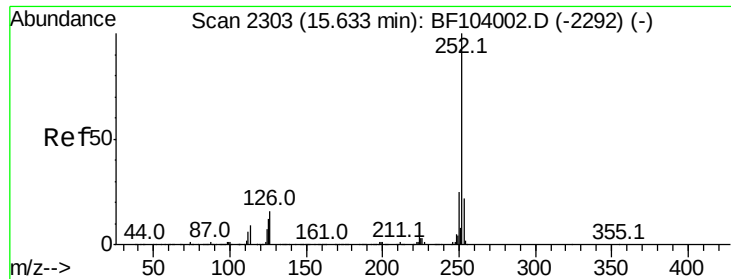


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

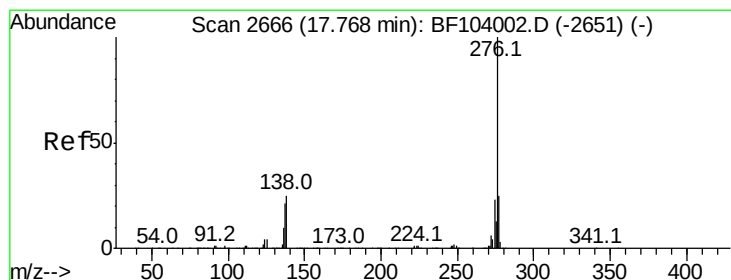
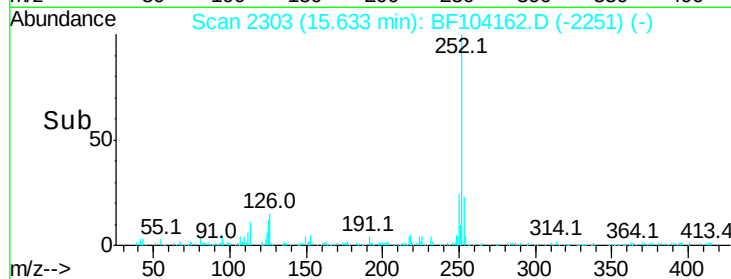
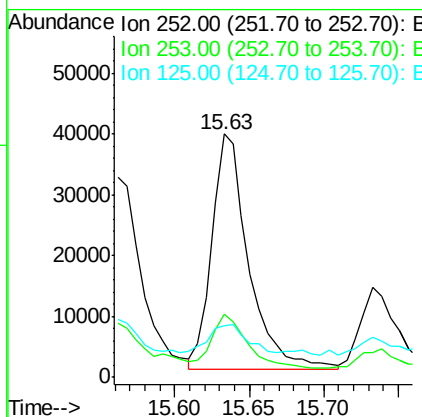
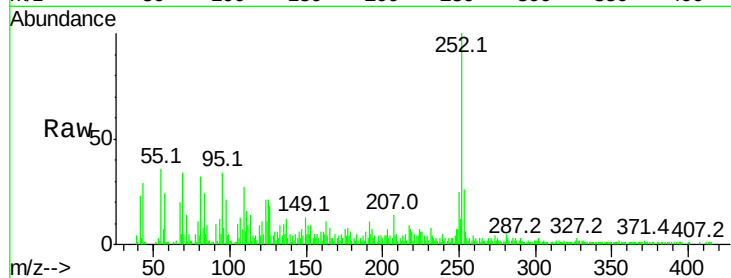




#89
Benzo(a)pyrene
Concen: 8.781 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BF104162.D
Acq: 3 Apr 2018 5:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 66863
Ion Ratio Lower Upper
252 100
253 25.9 17.1 25.7#
125 21.2 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 6.322 ng
RT: 17.79 min Scan# 2669
Delta R.T. 0.02 min
Lab File: BF104162.D
Acq: 3 Apr 2018 5:43

Tgt Ion:276 Resp: 44580
Ion Ratio Lower Upper
276 100
277 27.4 17.9 26.9#
138 32.2 21.8 32.8

