

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104122.D
 Acq On : 31 Mar 2018 5:24
 Operator : JU/SJ
 Sample : J2122-10
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 31 05:55:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 30 17:20:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	102021	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	414006	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	176044	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	271721	20.00	ng	0.00
75) Chrysene-d12	14.14	240	224998	20.00	ng	0.00
86) Perylene-d12	15.69	264	175185	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	630191	98.51	ng	0.01
7) Phenol-d6	6.59	99	780292	99.14	ng	0.00
23) Nitrobenzene-d5	7.52	82	481623	71.14	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	163852	83.59	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	794903	71.20	ng	0.00
78) Terphenyl-d14	13.07	244	617169	63.33	ng	0.00

Target Compounds

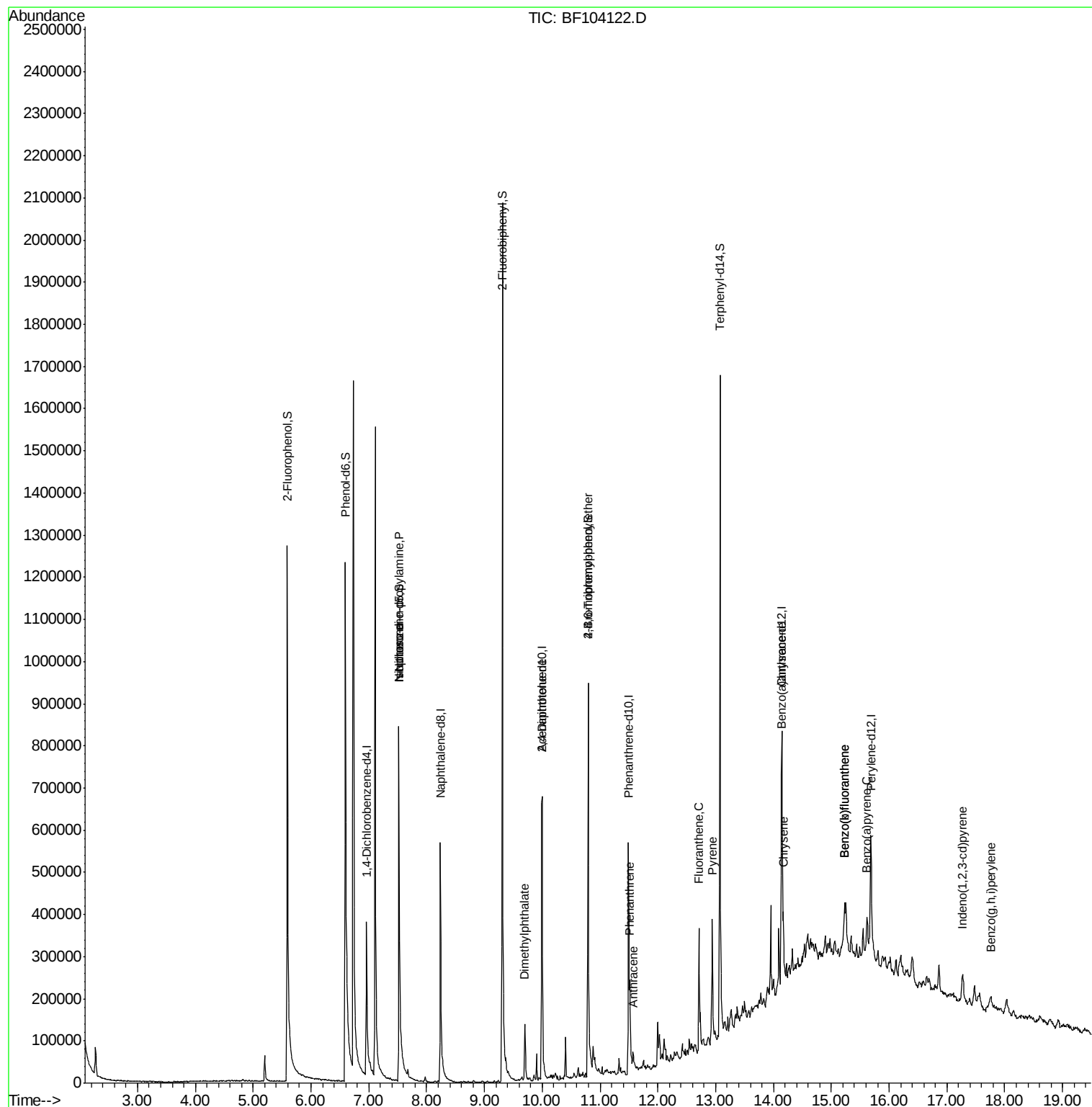
						Qvalue
9) Benzaldehyde	6.60	77	1320	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.52	70	57500	12.310 ng	#	73
25) Isophorone	7.52	82	481623	38.604 ng	#	64
49) Dimethylphthalate	9.70	163	71492	5.144 ng		98
56) 2,4-Dinitrotoluene	9.99	165	22063	5.782 ng	#	23
66) 4-Bromophenyl-phenylether	10.79	248	10242	3.523 ng	#	1
70) Phenanthrene	11.52	178	81248	5.523 ng		96
71) Anthracene	11.57	178	33783	2.198 ng		97
74) Fluoranthene	12.71	202	148928	9.524 ng		96
77) Pyrene	12.94	202	146221	9.040 ng		99
80) Benzo(a)anthracene	14.13	228	80691	5.732 ng		96
82) Chrysene	14.17	228	66672	4.835 ng		97
85) Indeno(1,2,3-cd)pyrene	17.27	276	29139	2.039 ng	#	90
87) Benzo(b)fluoranthene	15.23	252	97328	9.129 ng	#	84
88) Benzo(k)fluoranthene	15.23	252	97328	9.691 ng	#	87
89) Benzo(a)pyrene	15.62	252	57228	5.792 ng	#	88
91) Benzo(a,h,i)perylene	17.75	276	35102	3.836 ng	#	92

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

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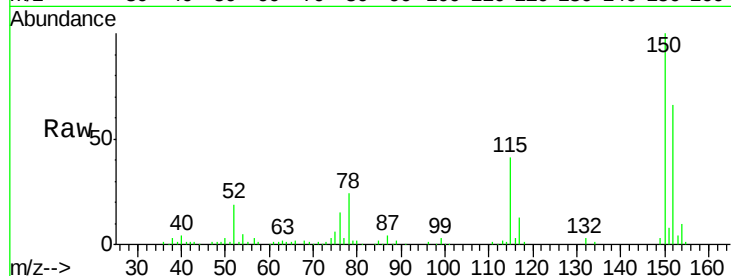


#1

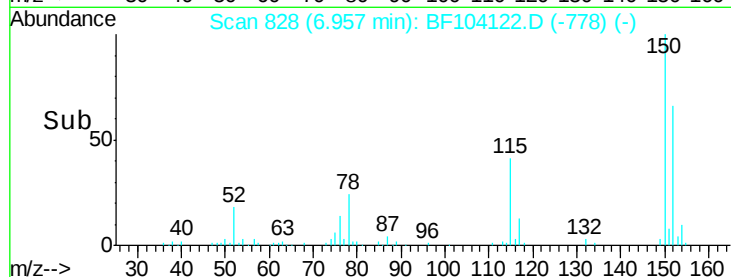
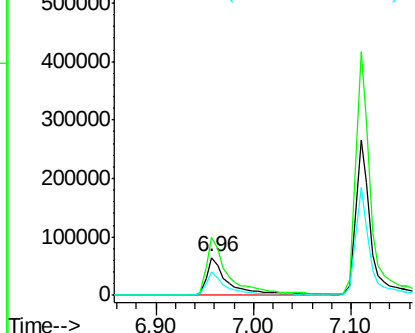
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104122.D
Acq: 31 Mar 2018 5:24

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	62.2	50.1	75.1



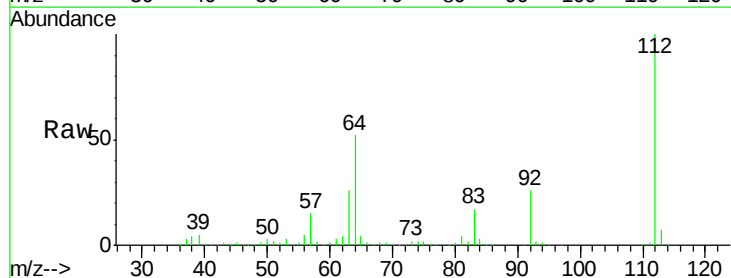
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



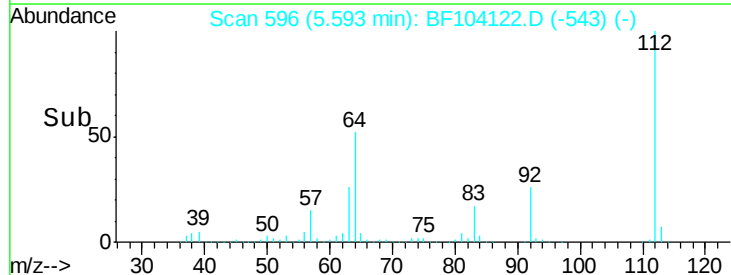
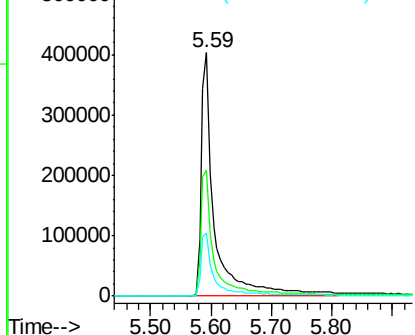
#5

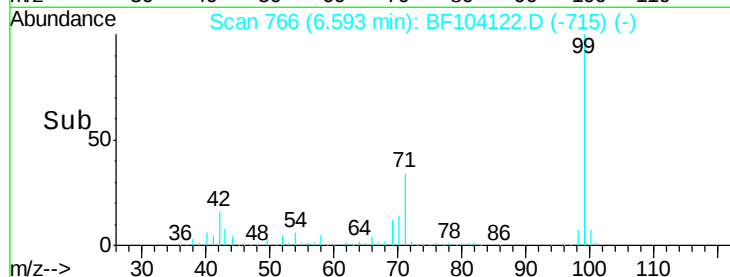
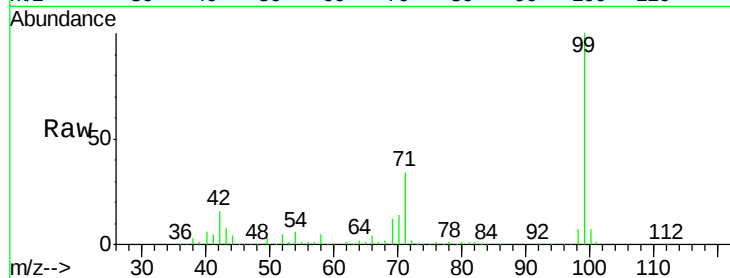
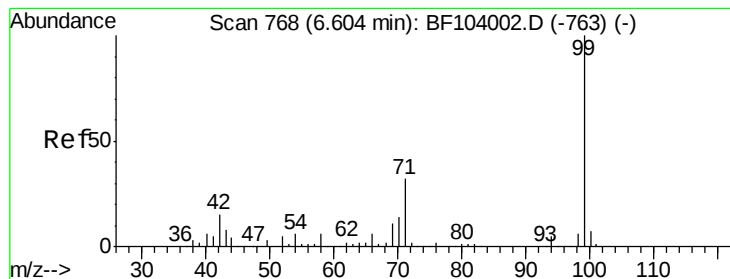
2-Fluorophenol
Concen: 98.509 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104122.D
Acq: 31 Mar 2018 5:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	47.9	71.9
63	26.2	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: 99.140 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

Instrument :

BNA_F

ClientSampleId :

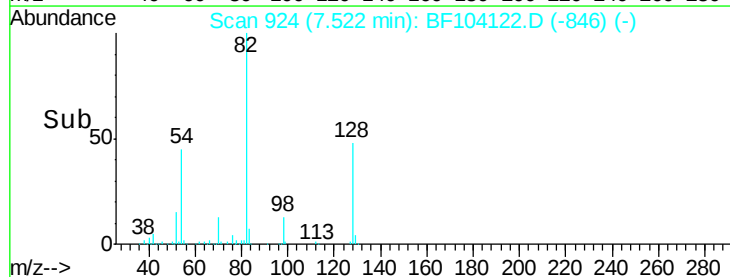
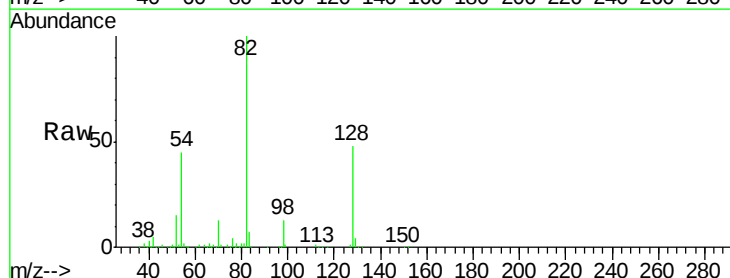
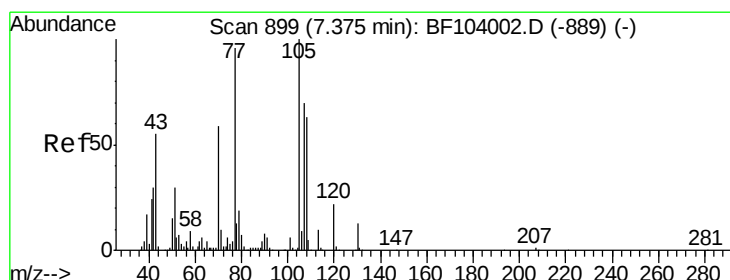
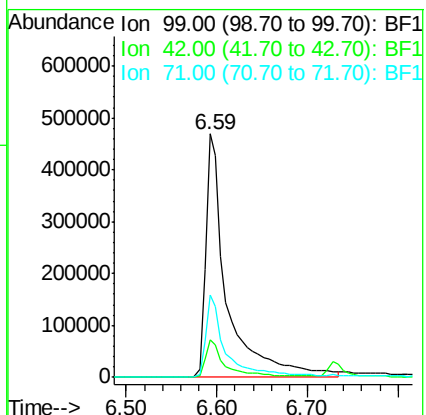
Tot Ion: 99 Resp: 780292

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

71 33.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.310 ng

RT: 7.52 min Scan# 924

Delta R.T. 0.16 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

Tgt Ion: 70 Resp: 57500

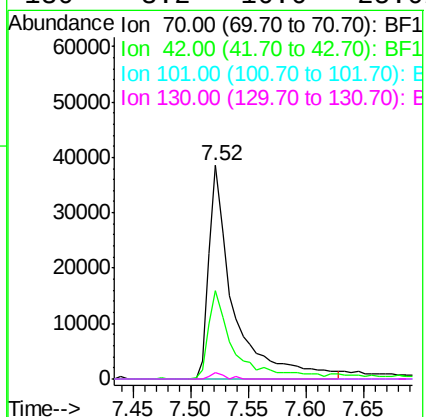
Ion Ratio Lower Upper

70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 3.2 16.6 25.0#

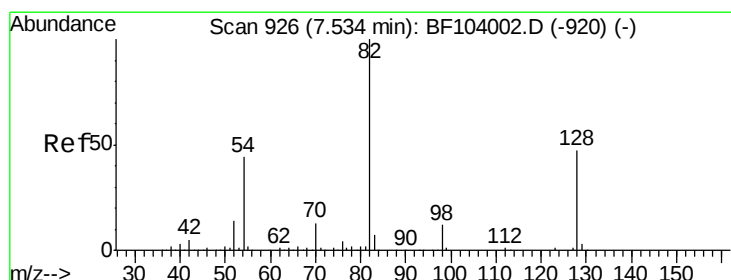
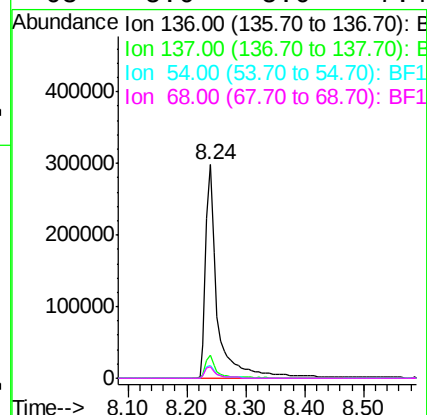
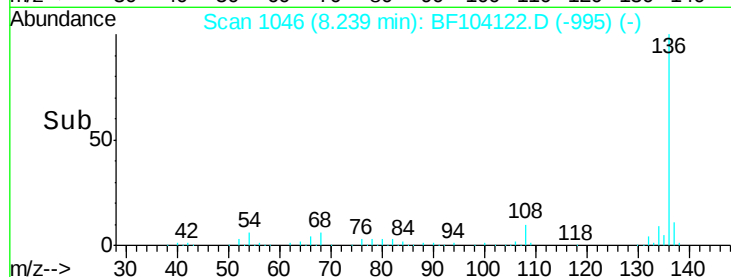
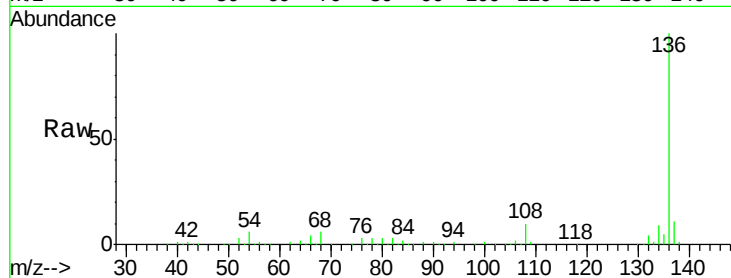




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF104122.D
Acq: 31 Mar 2018 5:24

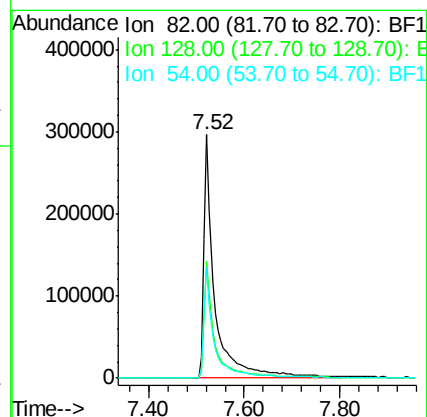
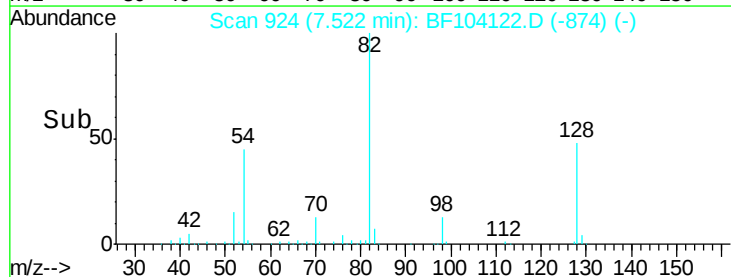
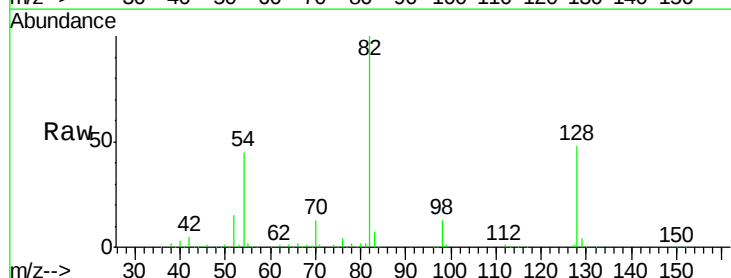
Instrument :
BNA_F
ClientSampleId :

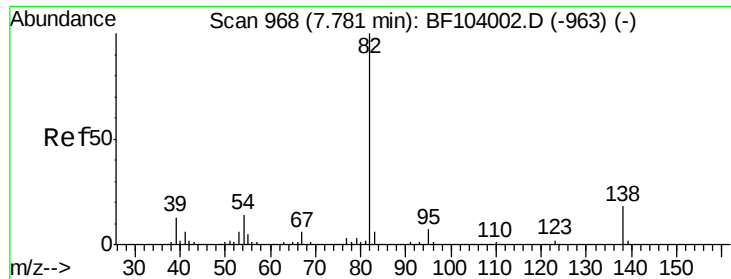
Tot Ion:136	Resp:	414006
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	6.2	6.6 9.8#
68	5.6	5.0 7.4



#23
Nitrobenzene-d5
Concen: 71.144 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104122.D
Acq: 31 Mar 2018 5:24

Tgt Ion: 82	Resp:	481623
Ion Ratio	Lower	Upper
82	100	
128	48.0	36.1 54.1
54	45.2	41.4 62.2





#25

Isophorone

Concen: 38.604 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.25 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

Instrument :

BNA_F

ClientSampleId :

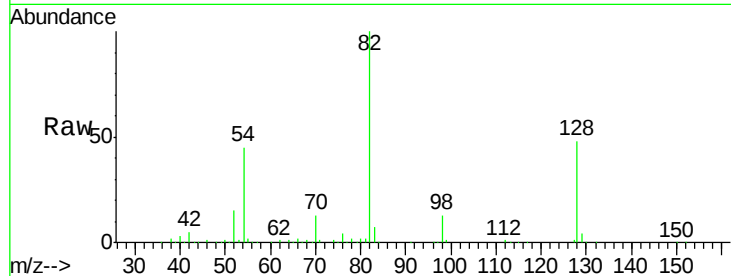
Tot Ion: 82 Resp: 481623

Ion Ratio Lower Upper

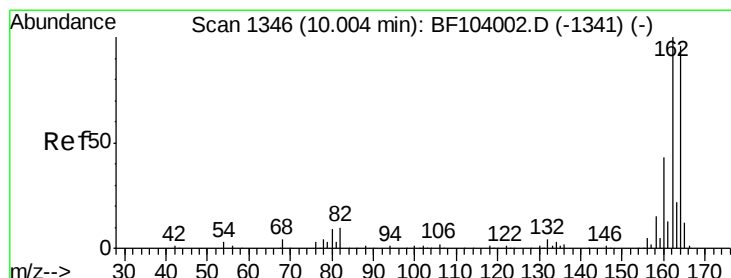
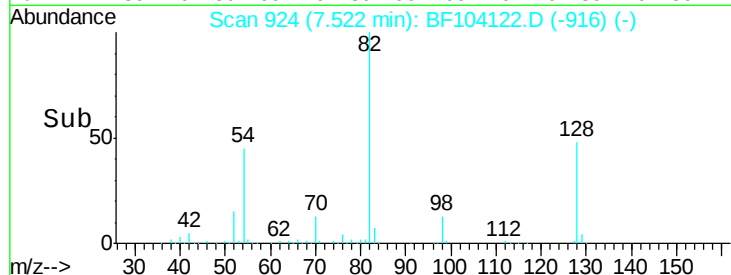
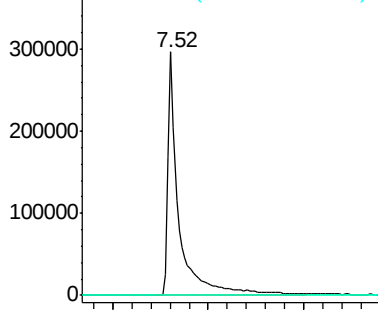
82 100

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: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

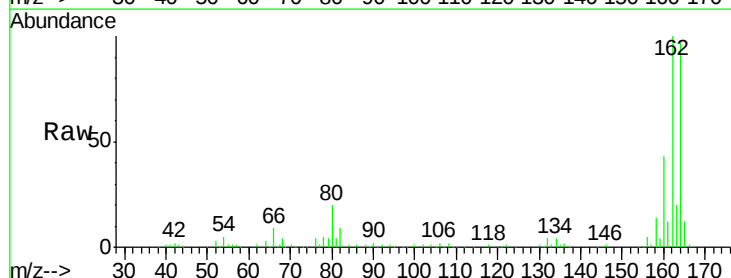
Tgt Ion:164 Resp: 176044

Ion Ratio Lower Upper

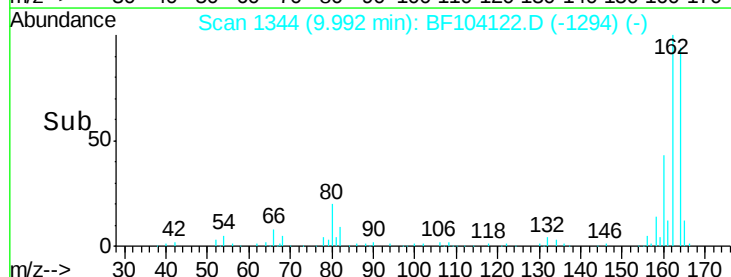
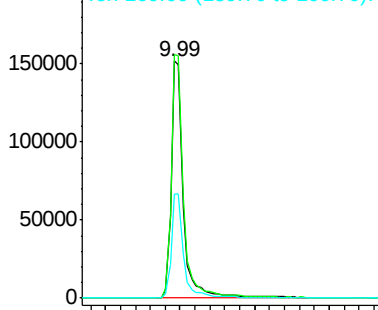
164 100

162 102.8 86.1 129.1

160 44.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

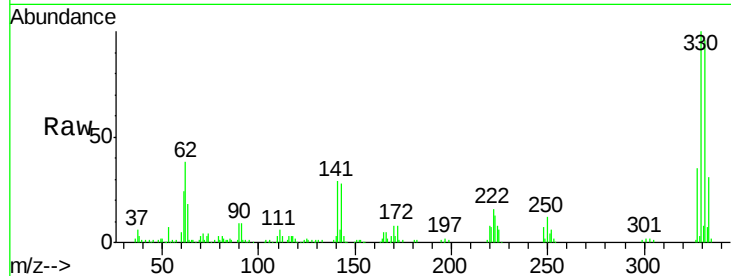




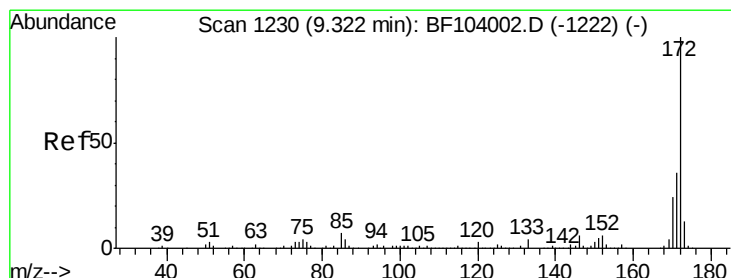
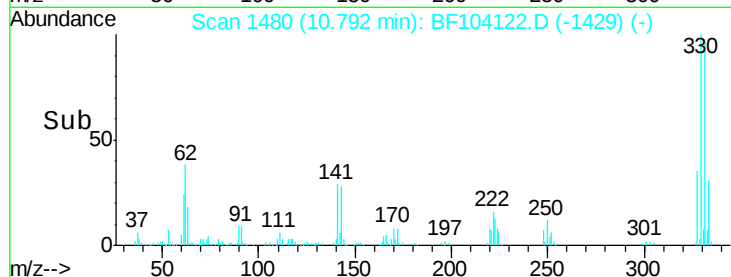
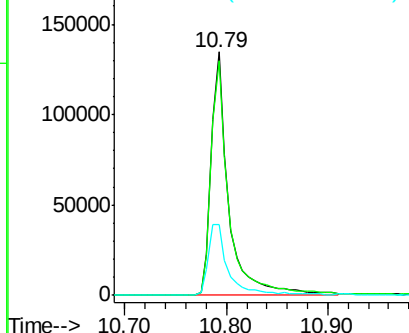
#41
 2,4,6-Tribromophenol
 Concen: 83.587 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: BF104122.D
 Acq: 31 Mar 2018 5:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 163852
 Ion Ratio Lower Upper
 330 100
 332 100.3 77.0 115.6
 141 33.8 29.9 44.9

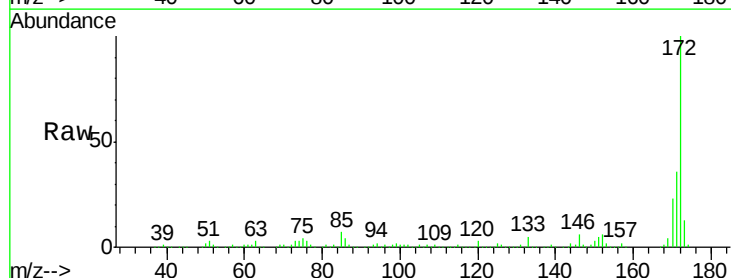


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

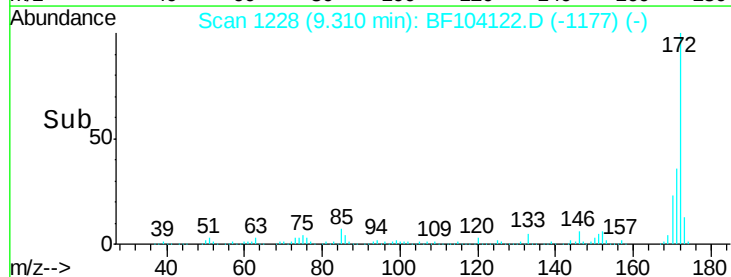
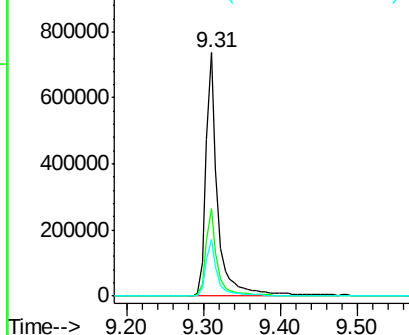


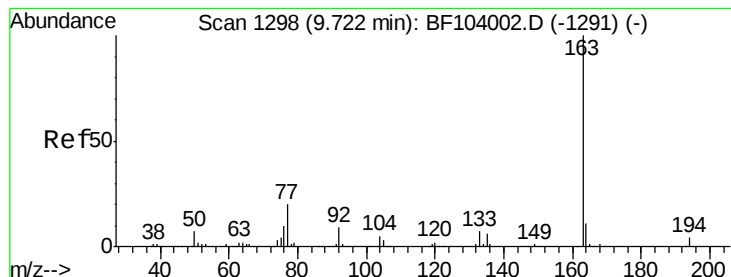
#44
 2-Fluorobiphenyl
 Concen: 71.204 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: BF104122.D
 Acq: 31 Mar 2018 5:24

Tgt Ion:172 Resp: 794903
 Ion Ratio Lower Upper
 172 100
 171 35.7 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: 5.144 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

Instrument :

BNA_F

ClientSampleId :

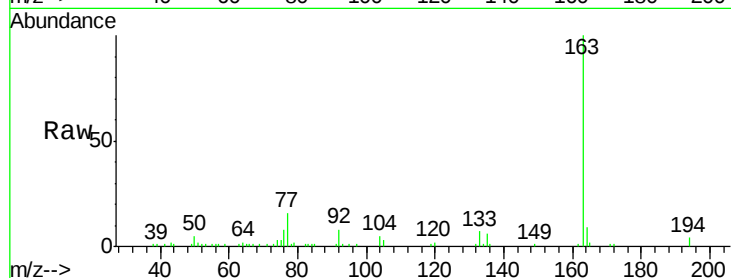
Tot Ion:163 Resp: 71492

Ion Ratio Lower Upper

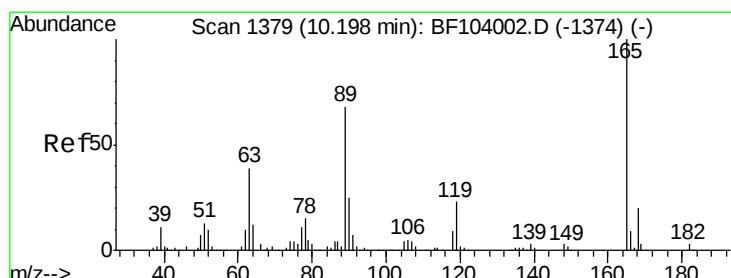
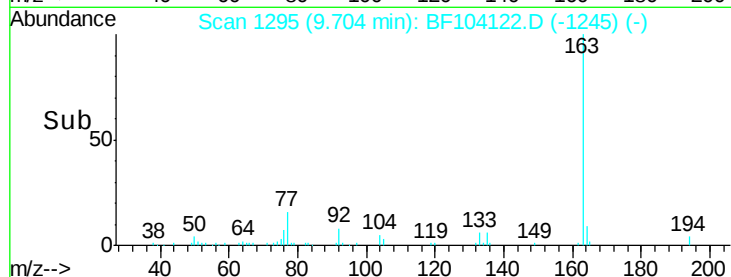
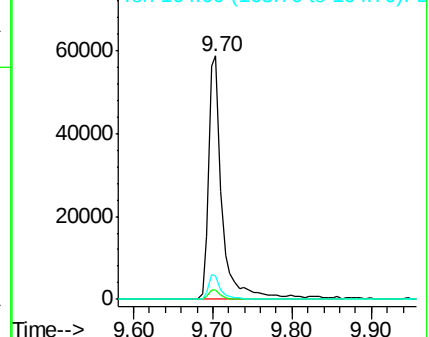
163 100

194 3.8 2.7 4.1

164 9.4 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: 5.782 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.20 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

Tgt Ion:165 Resp: 22063

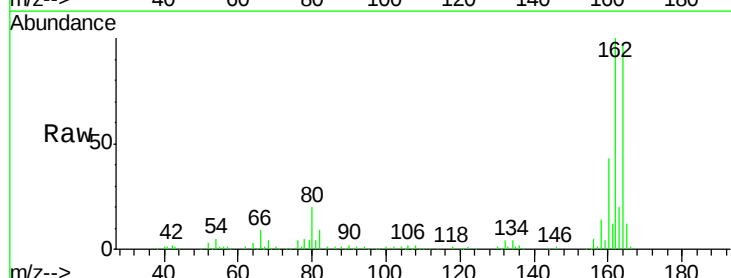
Ion Ratio Lower Upper

165 100

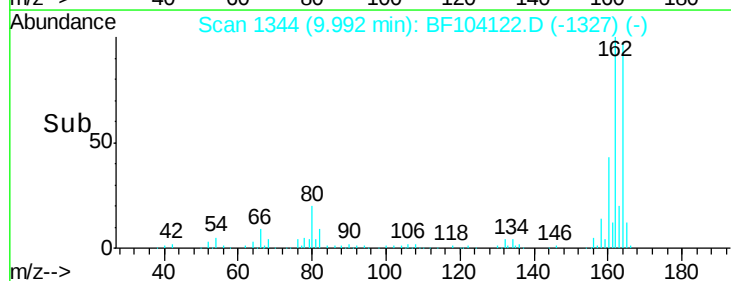
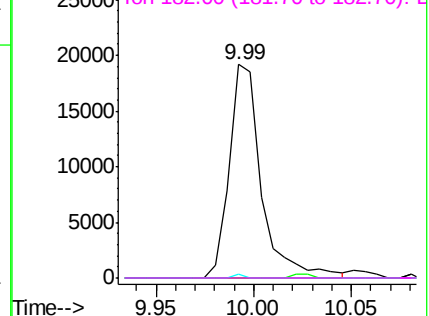
63 0.0 36.4 54.6#

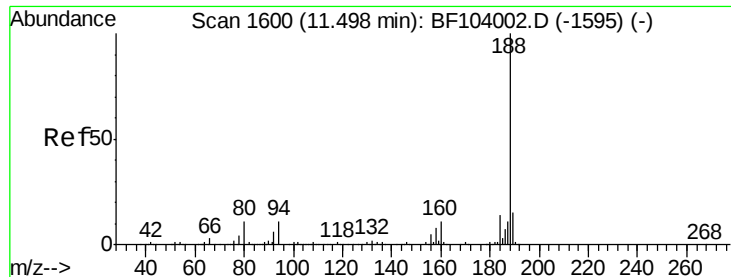
89 1.8 57.8 86.6#

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

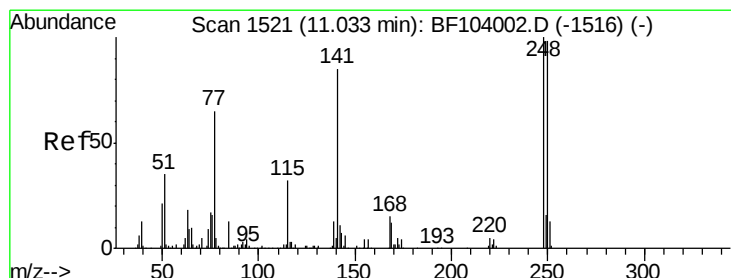
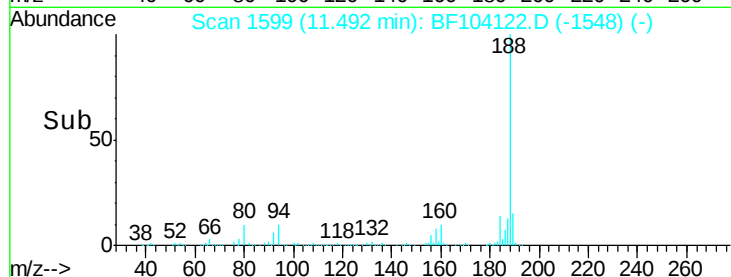
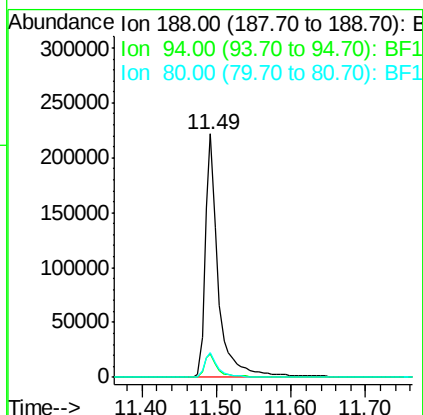
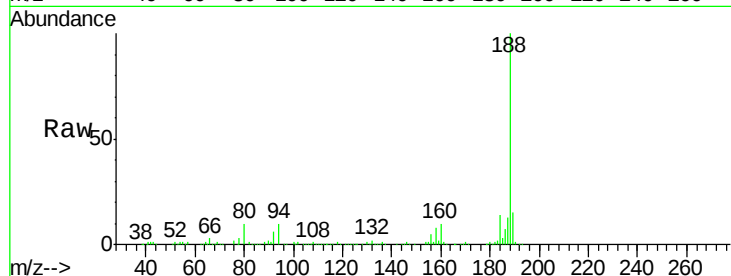




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF104122.D
Acq: 31 Mar 2018 5:24

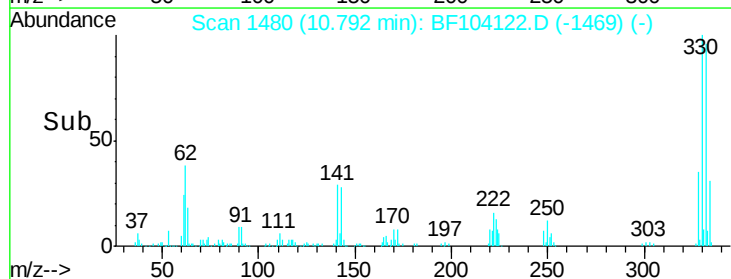
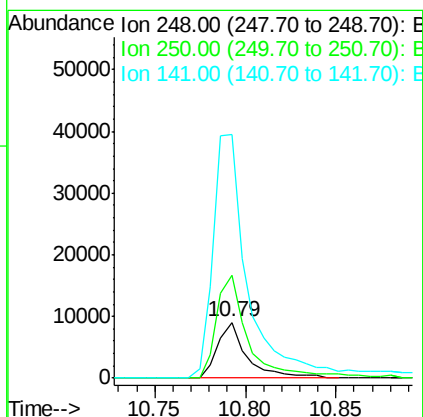
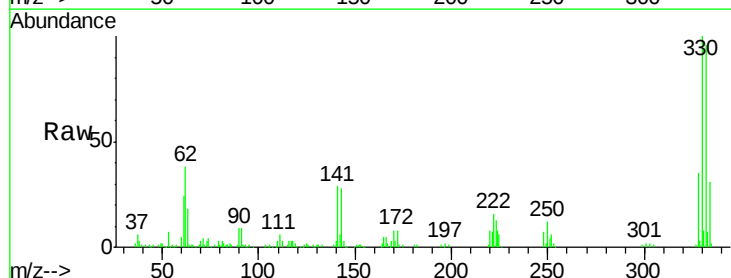
Instrument :
BNA_F
ClientSampleId :

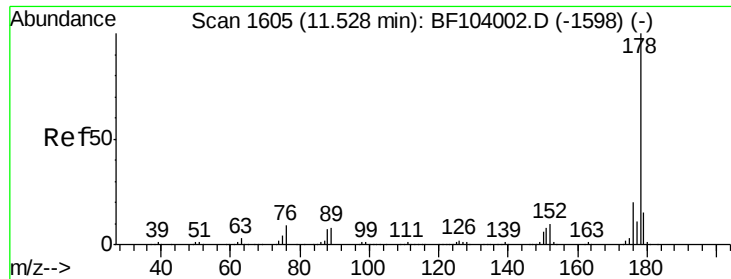
Tot Ion:188 Resp: 271721
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.0 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.523 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.24 min
Lab File: BF104122.D
Acq: 31 Mar 2018 5:24

Tgt Ion:248 Resp: 10242
Ion Ratio Lower Upper
248 100
250 184.8 76.9 115.3#
141 438.6 74.4 111.6#

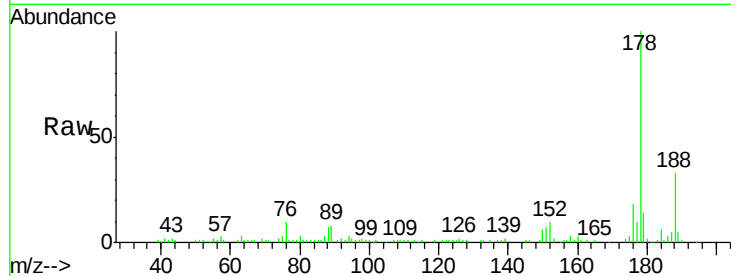




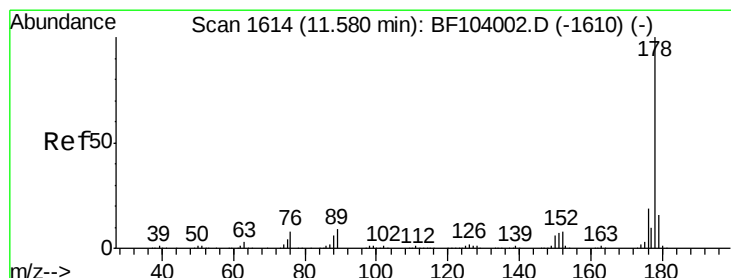
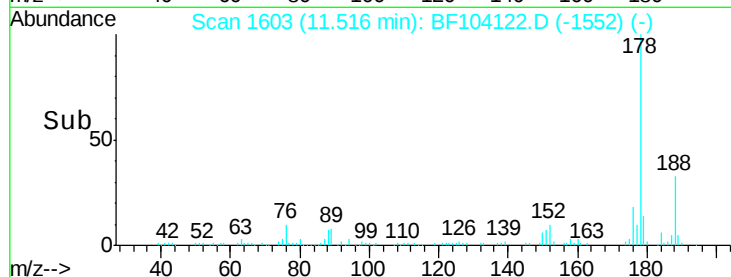
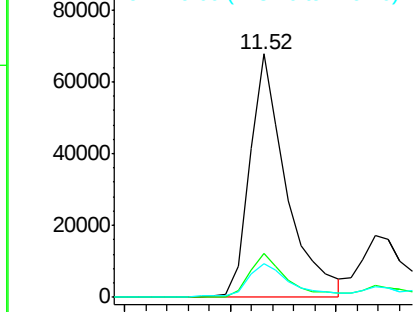
#70
 Phenanthrene
 Concen: 5.523 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: BF104122.D
 Acq: 31 Mar 2018 5:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 81248
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.8
 179 13.8 13.0 19.6

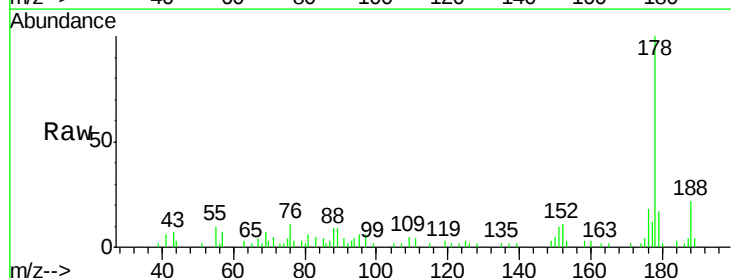


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

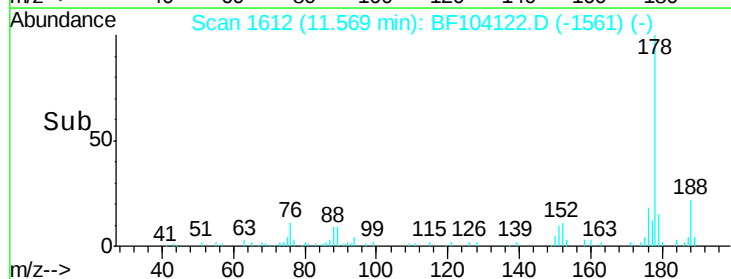
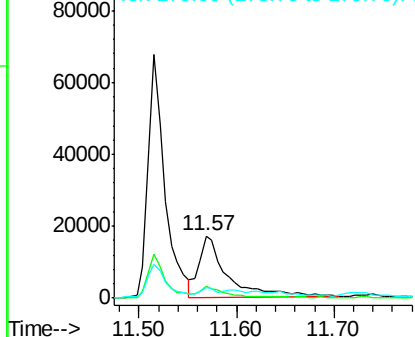


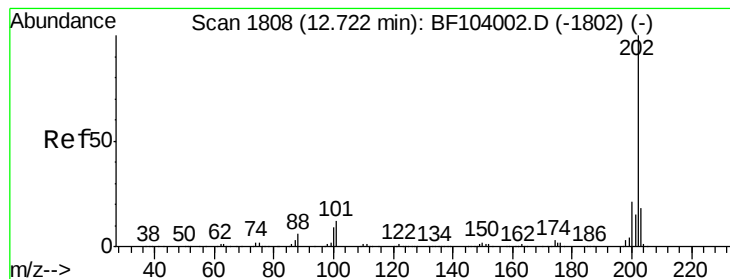
#71
 Anthracene
 Concen: 2.198 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF104122.D
 Acq: 31 Mar 2018 5:24

Tgt Ion:178 Resp: 33783
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 17.0 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: 9.524 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

Instrument :

BNA_F

ClientSampleId :

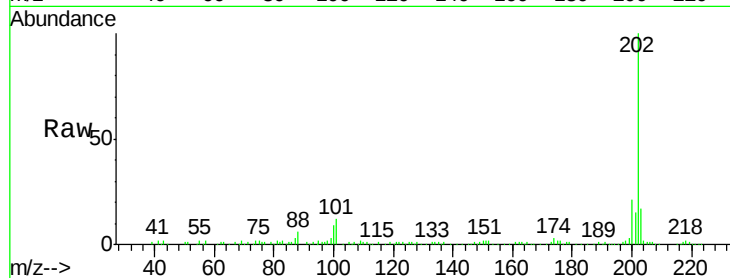
Tot Ion:202 Resp: 148928

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.1

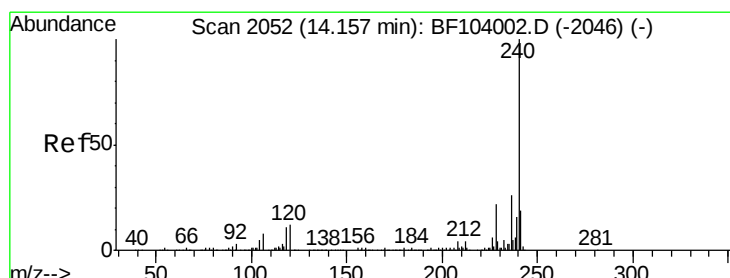
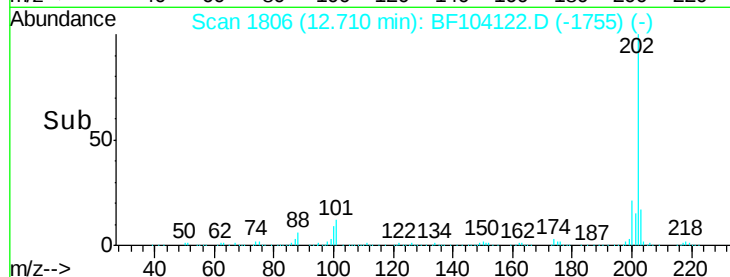
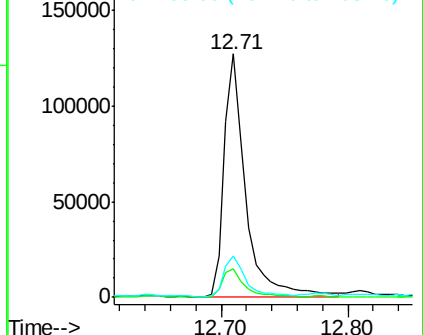
203 17.1 0.0 38.1



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: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

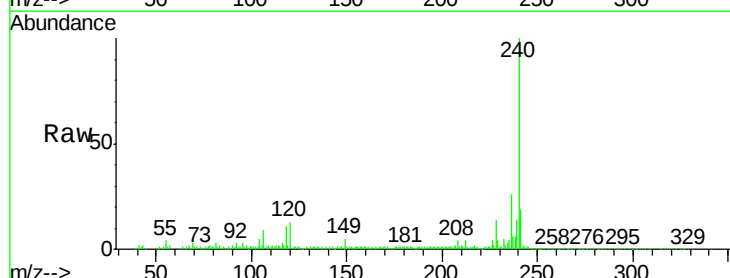
Tgt Ion:240 Resp: 224998

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

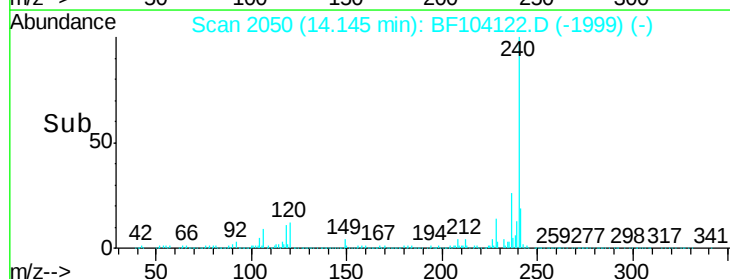
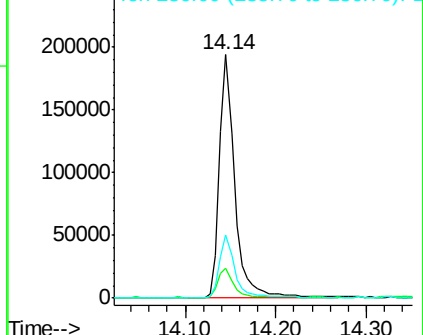
236 25.7 20.7 31.1

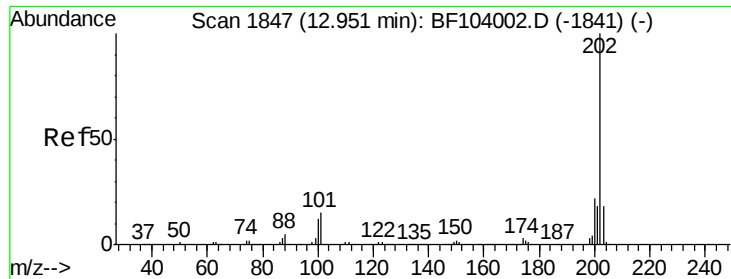


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

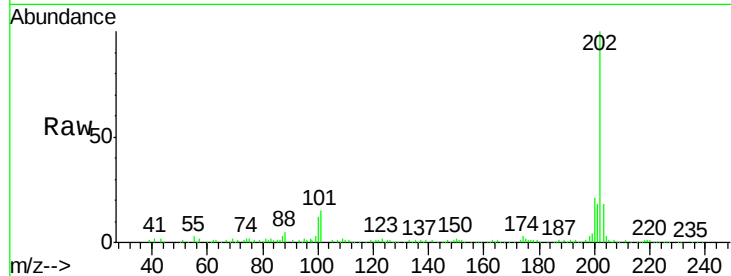




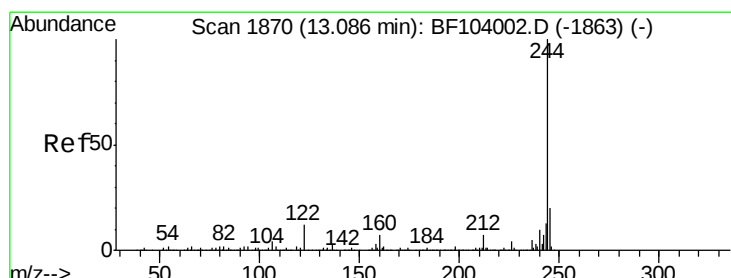
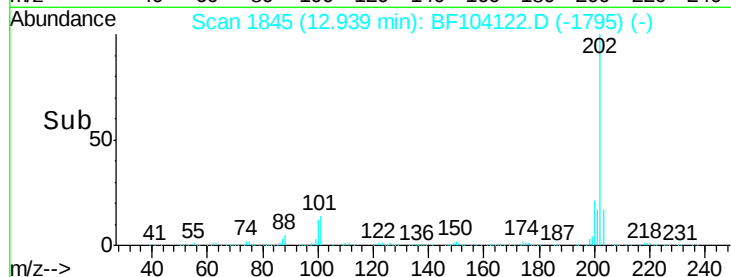
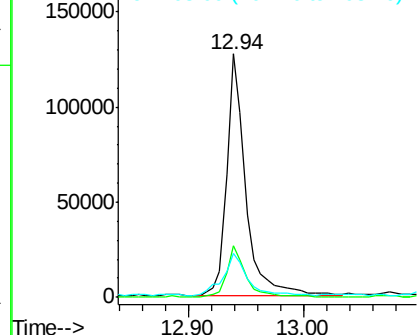
#77
Pvrene
Concen: 9.040 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF104122.D
Acq: 31 Mar 2018 5:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 146221
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 18.1 14.3 21.5

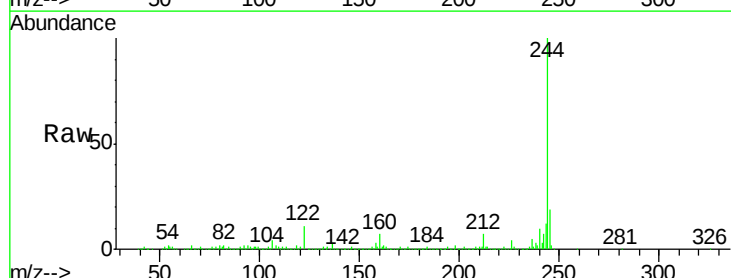


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

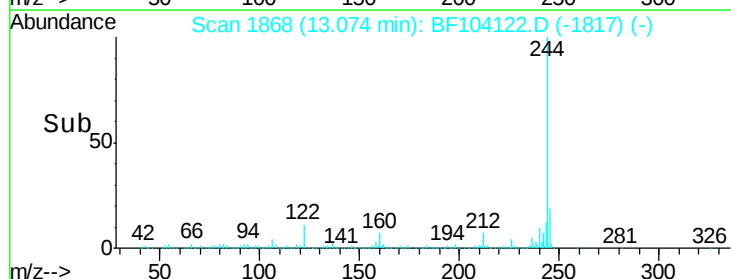
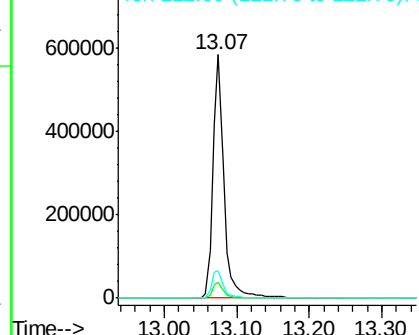


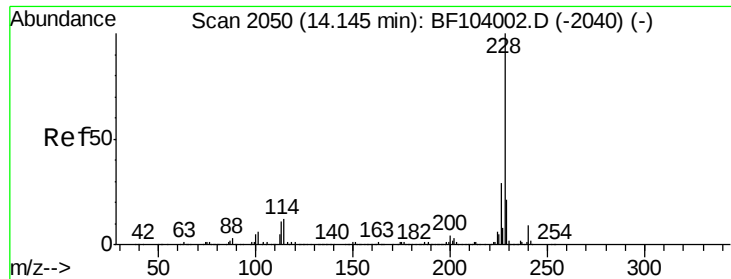
#78
Terphenyl-d14
Concen: 63.335 ng
RT: 13.07 min Scan# 1868
Delta R.T. 0.00 min
Lab File: BF104122.D
Acq: 31 Mar 2018 5:24

Tgt Ion:244 Resp: 617169
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 11.4 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

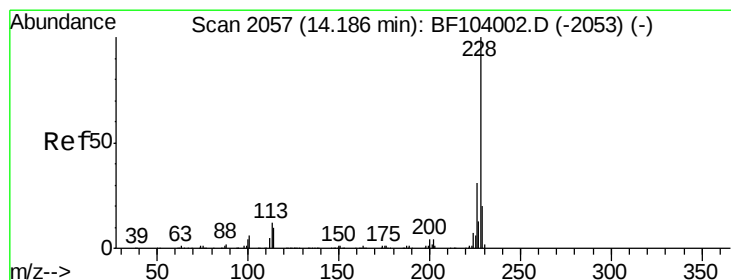
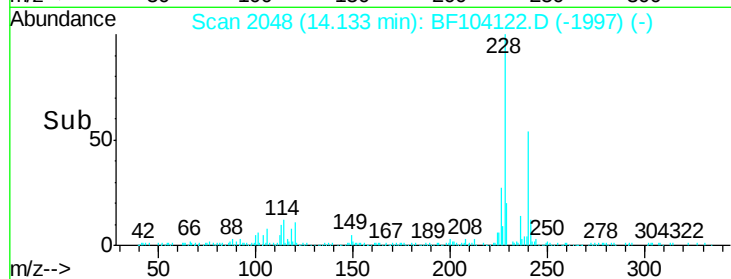
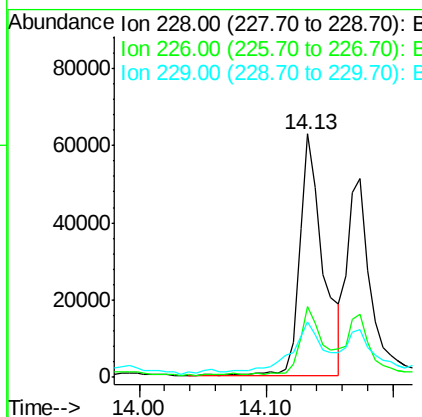
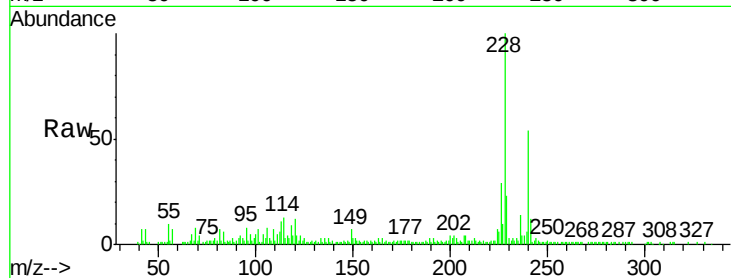




#80
Benzo(a)anthracene
Concen: 5.732 ng
RT: 14.13 min Scan# 2048
Delta R.T. 0.00 min
Lab File: BF104122.D
Acq: 31 Mar 2018 5:24

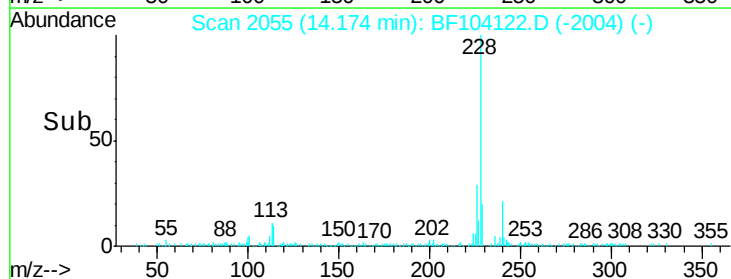
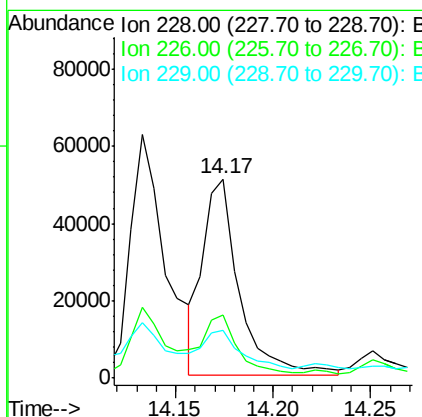
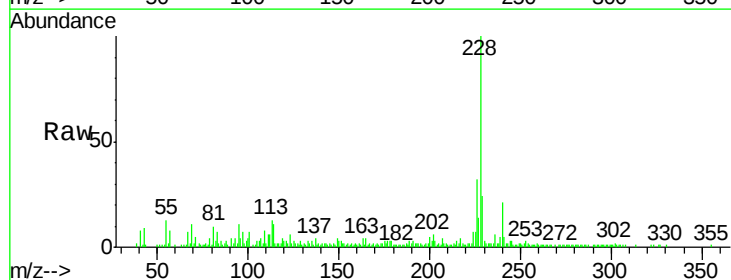
Instrument :
BNA_F
ClientSampleId :

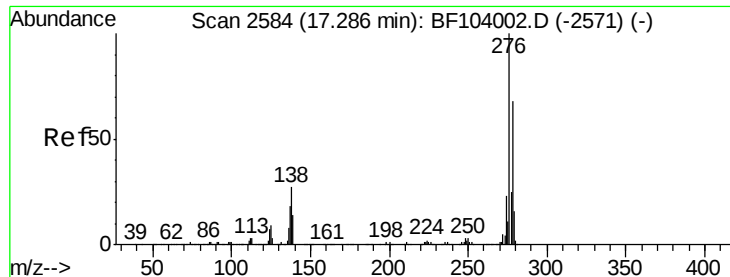
Tot Ion:228 Resp: 80691
Ion Ratio Lower Upper
228 100
226 29.0 22.6 33.8
229 23.0 15.8 23.6



#82
Chrysene
Concen: 4.835 ng
RT: 14.17 min Scan# 2055
Delta R.T. 0.00 min
Lab File: BF104122.D
Acq: 31 Mar 2018 5:24

Tgt Ion:228 Resp: 66672
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 24.0 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.039 ng

RT: 17.27 min Scan# 2581

Delta R.T. 0.01 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

Instrument :

BNA_F

ClientSampleId :

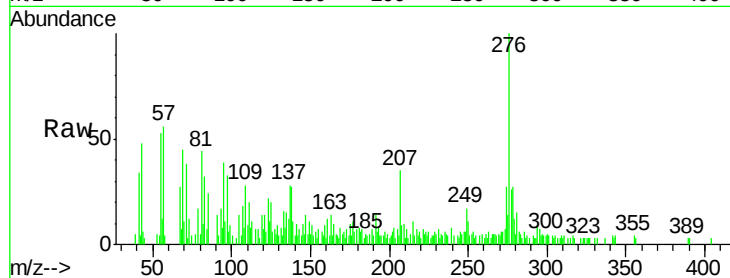
Tot Ion:276 Resp: 29139

Ion Ratio Lower Upper

276 100

138 23.7 25.0 37.6#

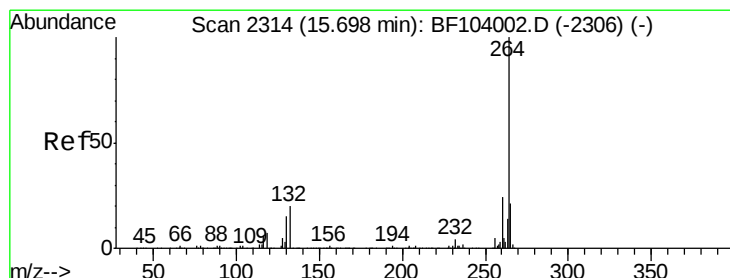
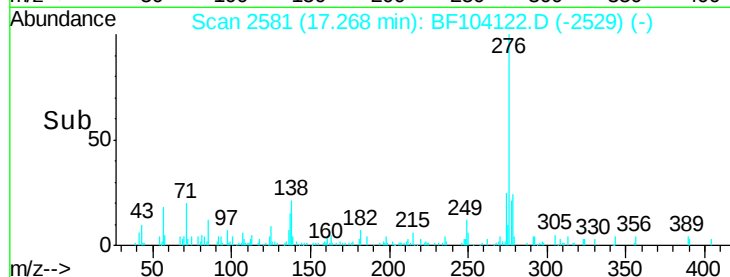
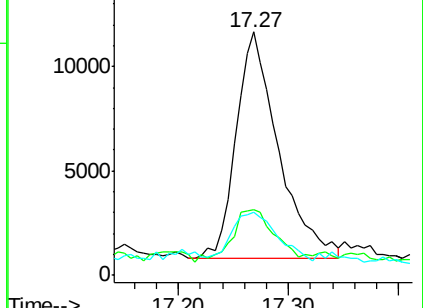
277 22.7 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2312

Delta R.T. 0.01 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

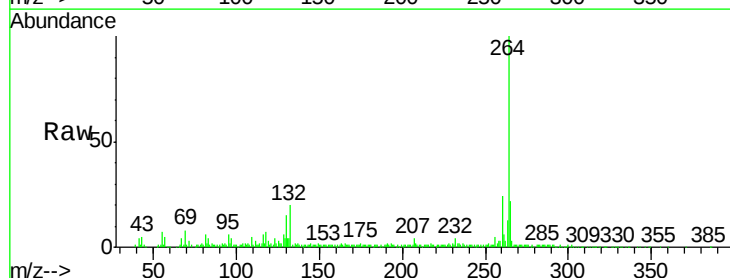
Tgt Ion:264 Resp: 175185

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

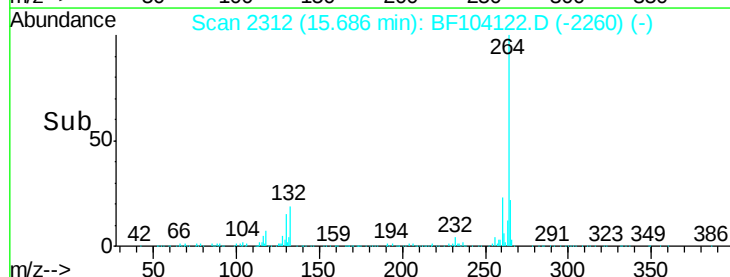
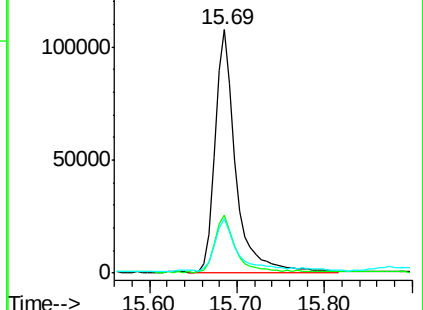
265 22.3 17.5 26.3

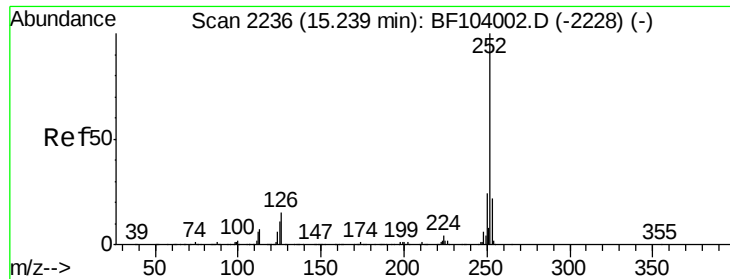


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.129 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.01 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

Instrument :

BNA_F

ClientSampleId :

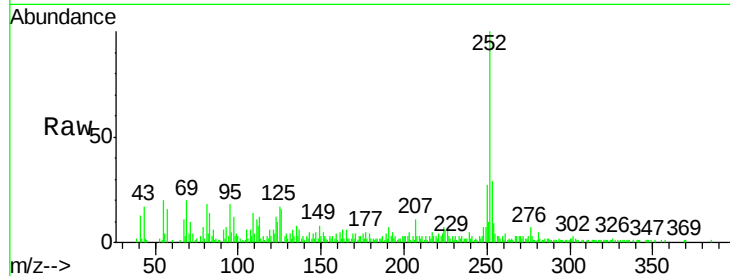
Tot Ion:252 Resp: 97328

Ion Ratio Lower Upper

252 100

253 28.7 17.0 25.6#

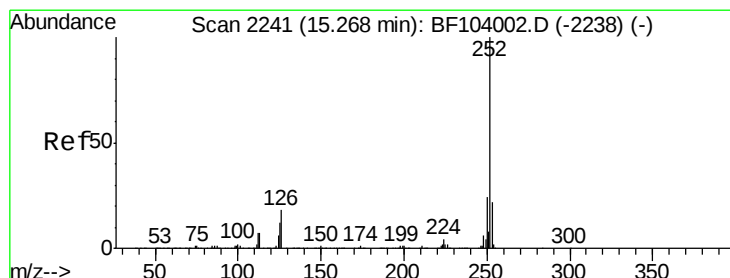
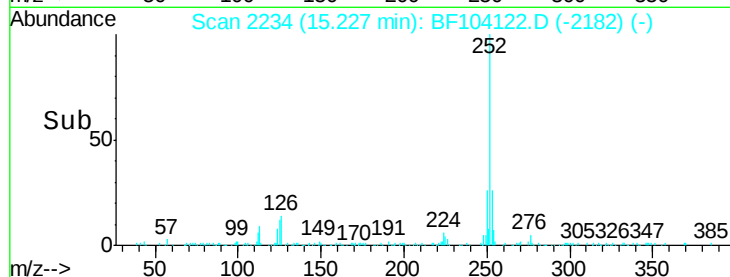
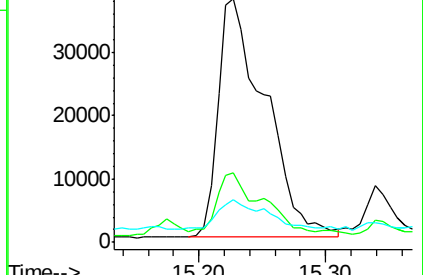
125 17.4 9.0 13.6#



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: 9.691 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.03 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

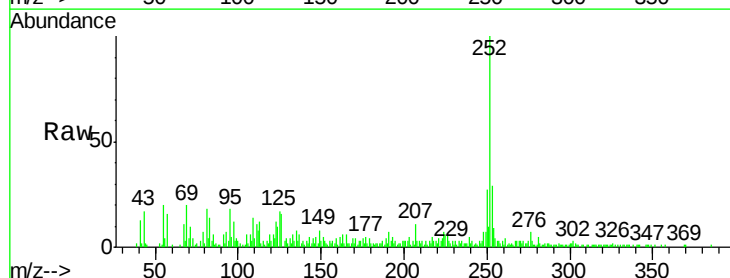
Tgt Ion:252 Resp: 97328

Ion Ratio Lower Upper

252 100

253 28.7 17.9 26.9#

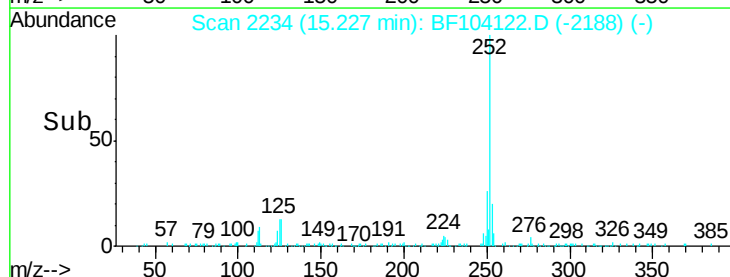
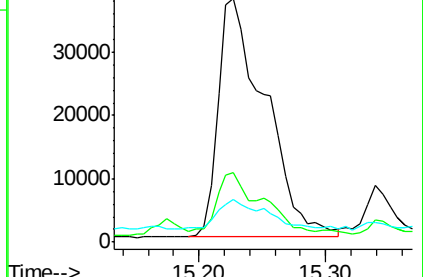
125 17.4 10.2 15.2#

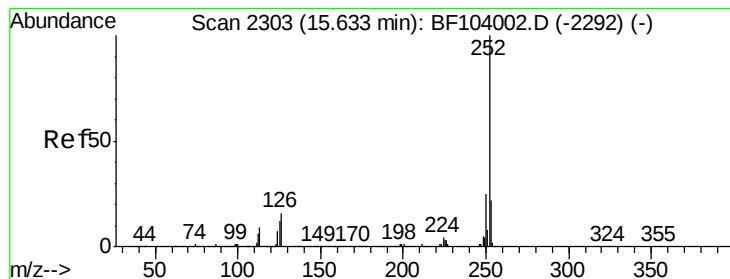


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.792 ng

RT: 15.62 min Scan# 2301

Delta R.T. 0.01 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

Instrument :

BNA_F

ClientSampleId :

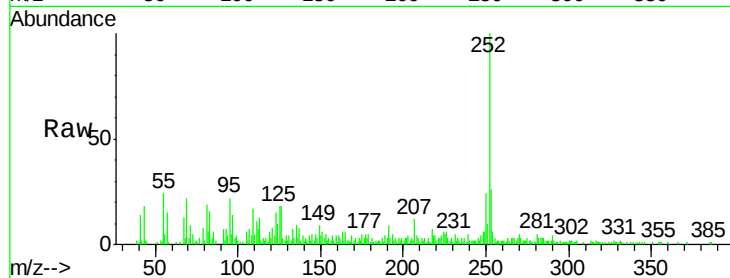
Tot Ion:252 Resp: 57228

Ion Ratio Lower Upper

252 100

253 25.8 17.1 25.7#

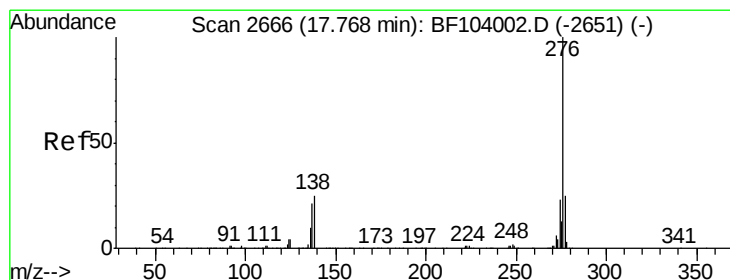
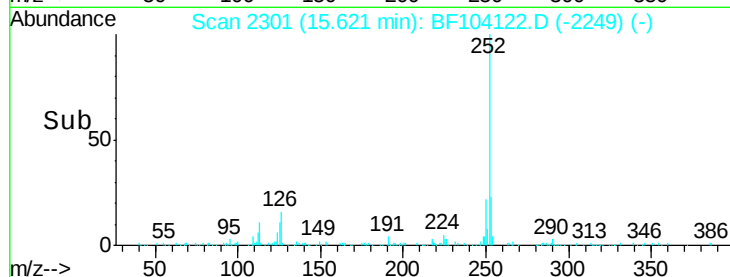
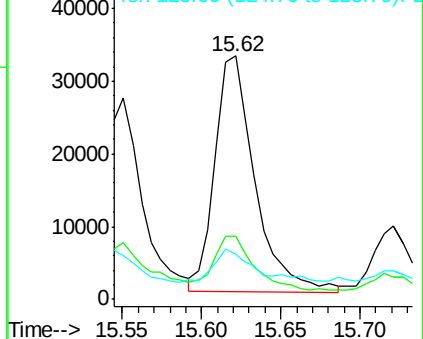
125 18.4 9.8 14.6#



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: 3.836 ng

RT: 17.75 min Scan# 2663

Delta R.T. 0.01 min

Lab File: BF104122.D

Acq: 31 Mar 2018 5:24

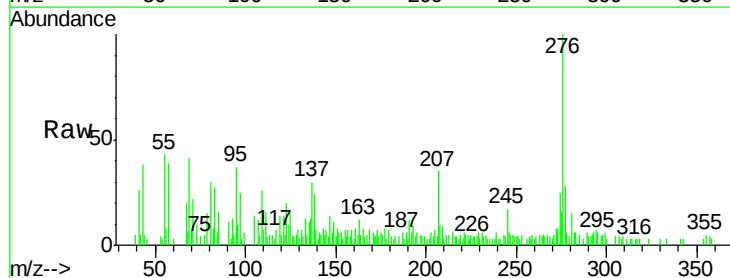
Tgt Ion:276 Resp: 35102

Ion Ratio Lower Upper

276 100

277 27.9 17.9 26.9#

138 24.4 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

