

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104121.D
 Acq On : 31 Mar 2018 4:58
 Operator : JU/SJ
 Sample : J2122-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 31 05:37:36 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	116728	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	464760	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	187530	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	288933	20.00	ng	0.00
75) Chrysene-d12	14.14	240	234125	20.00	ng	0.00
86) Perylene-d12	15.69	264	186269	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	639511	87.37	ng	0.01
7) Phenol-d6	6.59	99	795869	88.38	ng	0.00
23) Nitrobenzene-d5	7.52	82	497850	65.51	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	167340	80.14	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	906774	76.25	ng	0.00
78) Terphenyl-d14	13.07	244	674650	66.53	ng	0.00

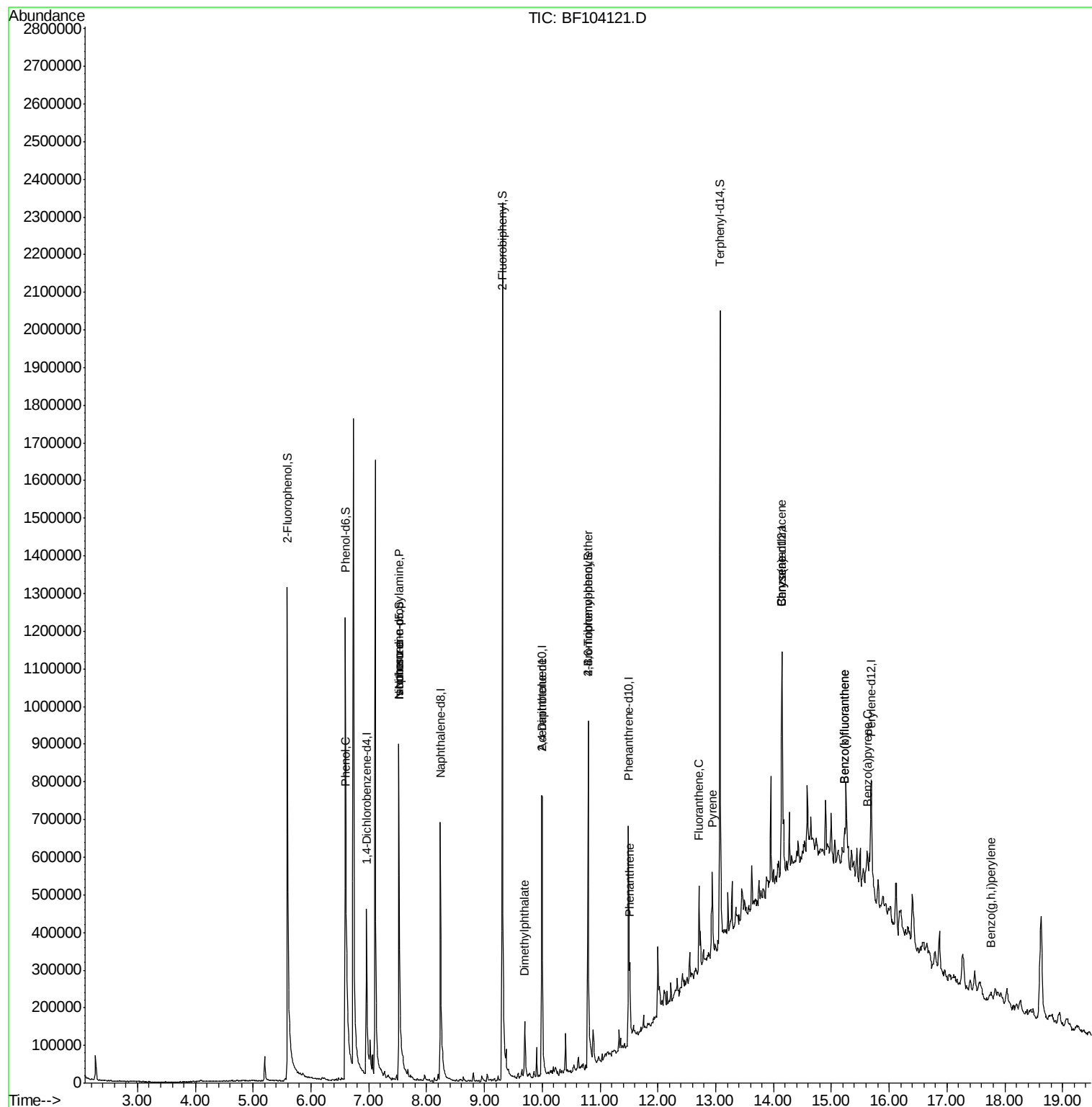
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.55	77	1136	Below Cal		# 1
10) Phenol	6.61	94	45218	4.532	ng	# 66
19) n-Nitroso-di-n-propylamine	7.52	70	60494	11.319	ng	# 74
25) Isophorone	7.52	82	497850	35.547	ng	# 64
49) Dimethylphthalate	9.70	163	70420	4.756	ng	# 99
56) 2,4-Dinitrotoluene	9.99	165	25465	6.265	ng	# 24
66) 4-Bromophenyl-phenylether	10.79	248	10140	3.280	ng	# 1
70) Phenanthrene	11.52	178	78538	5.021	ng	# 98
74) Fluoranthene	12.71	202	113097	6.802	ng	# 97
77) Pyrene	12.94	202	113336	6.734	ng	# 96
80) Benzo(a)anthracene	14.14	228	59002	4.028	ng	# 94
82) Chrysene	14.14	228	59002	4.112	ng	# 96
87) Benzo(b)fluoranthene	15.23	252	83600	7.375	ng	# 78
88) Benzo(k)fluoranthene	15.23	252	83600	7.829	ng	# 81
89) Benzo(a)pyrene	15.62	252	44701	4.255	ng	# 78
91) Benzo(g,h,i)perylene	17.76	276	28719	2.952	ng	# 89

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

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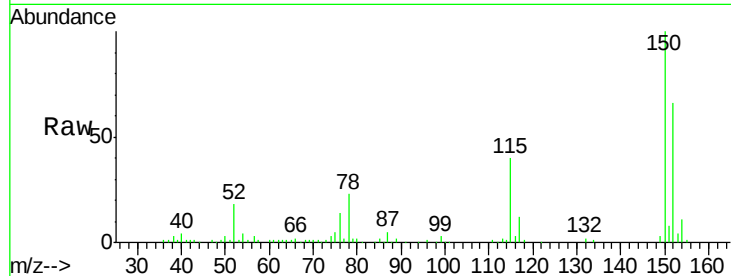


#1

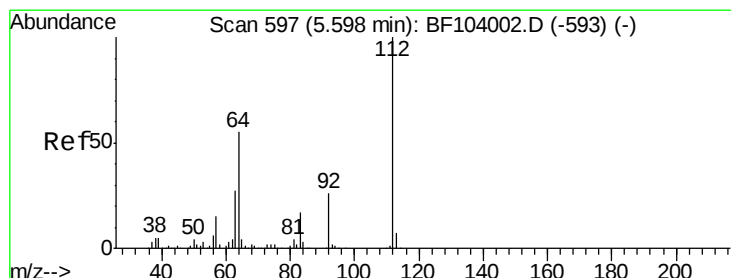
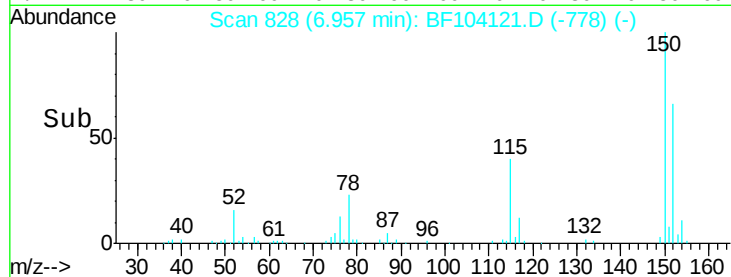
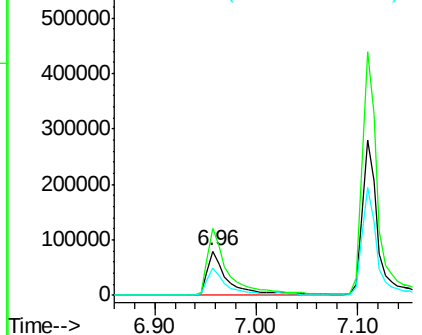
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF104121.D
 Acq: 31 Mar 2018 4:58

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 116728
 Ion Ratio Lower Upper
 152 100
 150 152.6 124.6 186.8
 115 60.7 50.1 75.1



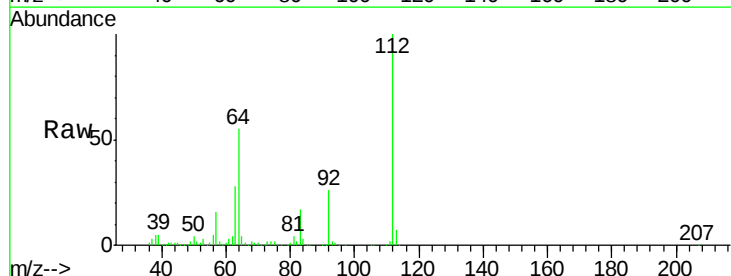
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



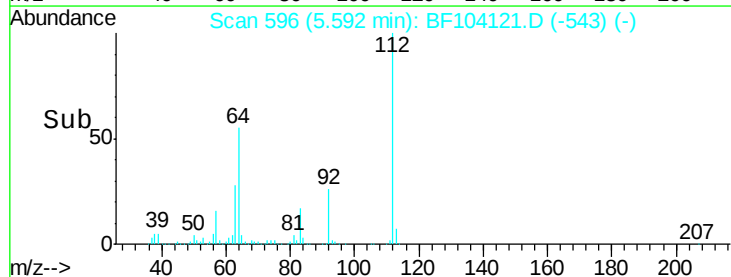
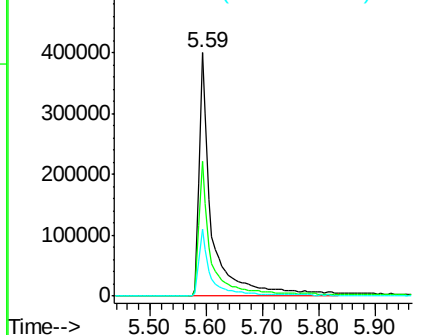
#5

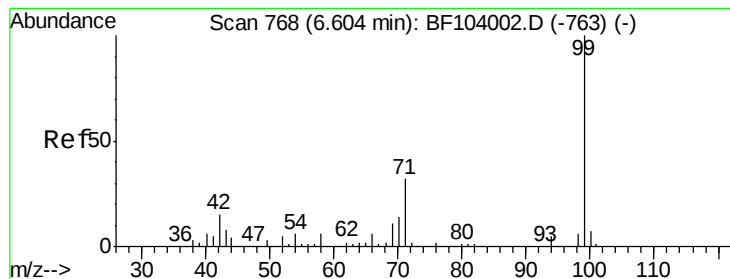
2-Fluorophenol
 Concen: 87.371 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: BF104121.D
 Acq: 31 Mar 2018 4:58

Tgt Ion:112 Resp: 639511
 Ion Ratio Lower Upper
 112 100
 64 55.1 47.9 71.9
 63 27.7 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: 88.379 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF104121.D

Acq: 31 Mar 2018 4:58

Instrument :

BNA_F

ClientSampleId :

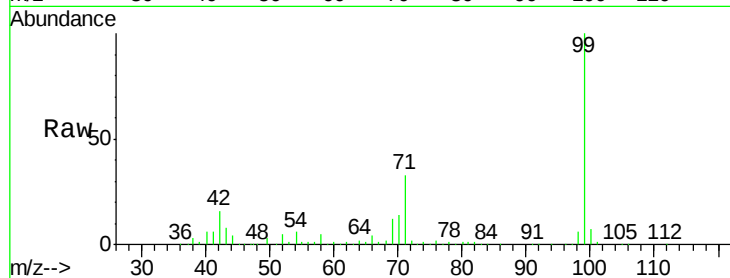
Tot Ion: 99 Resp: 795869

Ion Ratio Lower Upper

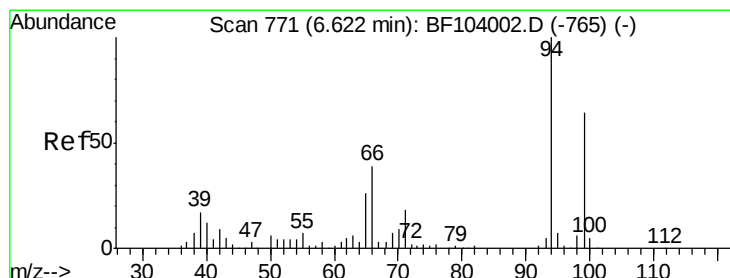
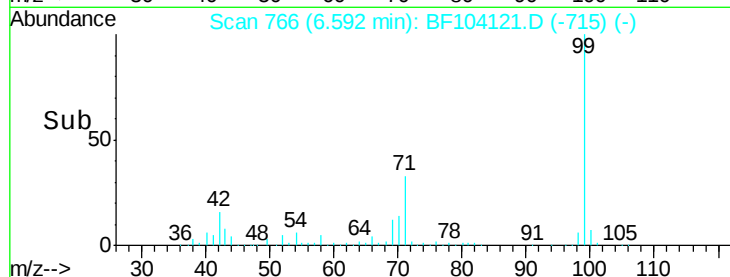
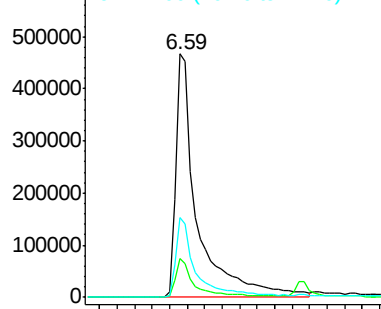
99 100

42 16.0 14.5 21.7

71 33.0 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



#10

Phenol

Concen: 4.532 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF104121.D

Acq: 31 Mar 2018 4:58

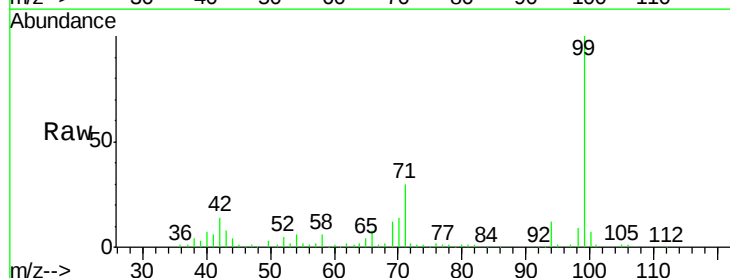
Tgt Ion: 94 Resp: 45218

Ion Ratio Lower Upper

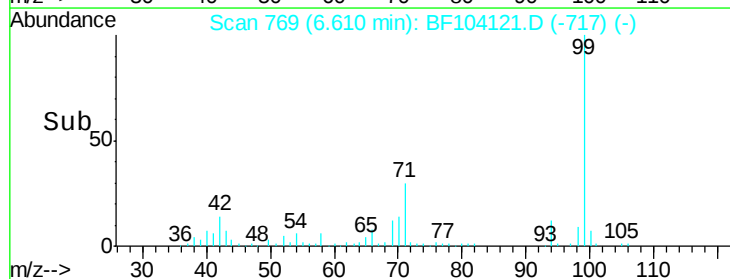
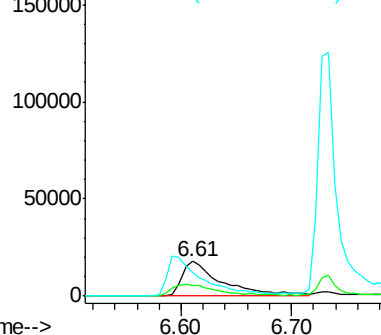
94 100

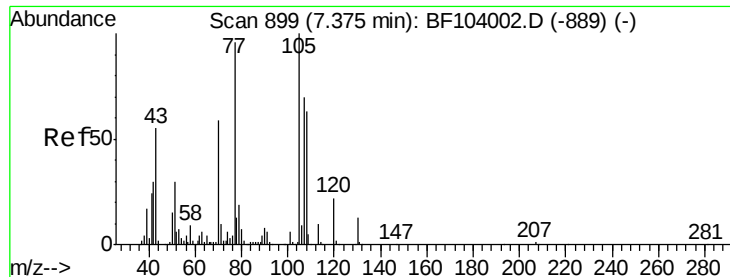
65 31.8 7.9 47.9

66 68.6 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

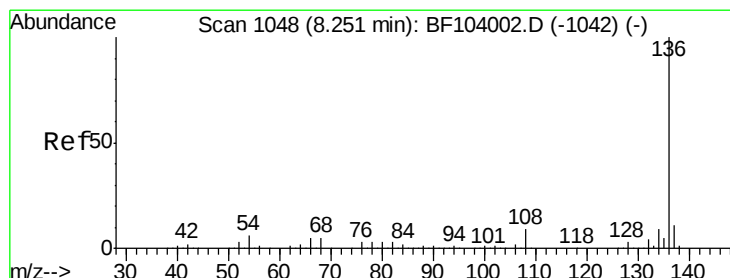
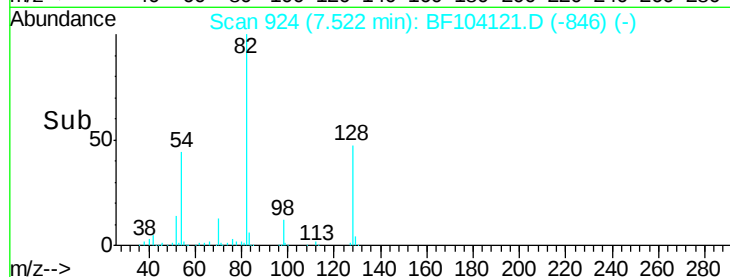
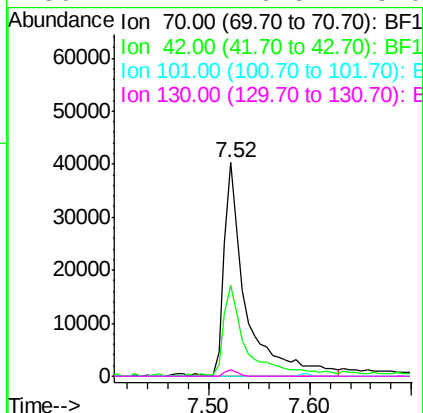
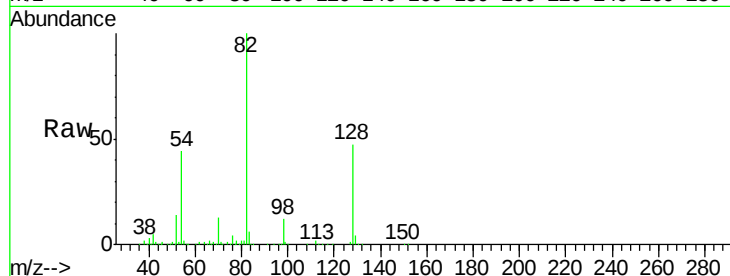




#19
n-Nitroso-di-n-propylamine
Concen: 11.319 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.16 min
Lab File: BF104121.D
Acq: 31 Mar 2018 4:58

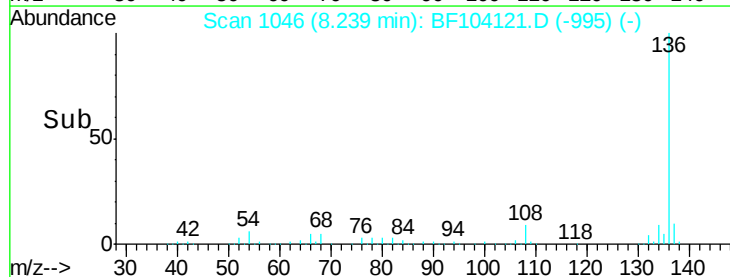
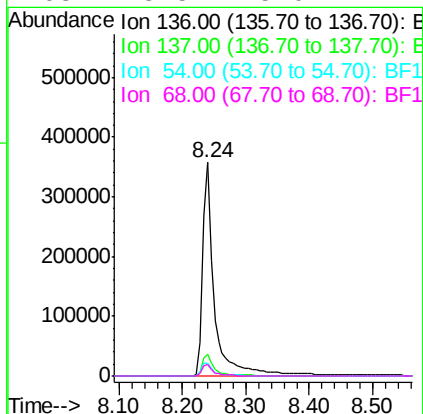
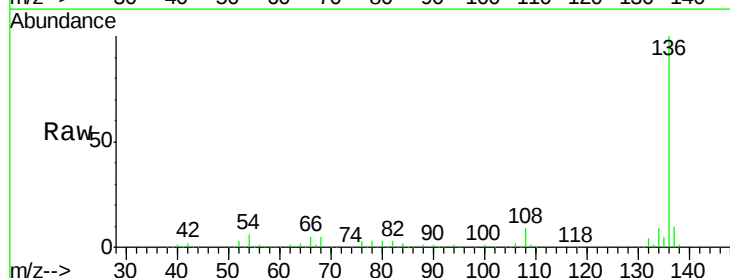
Instrument :
BNA_F
ClientSampleId :

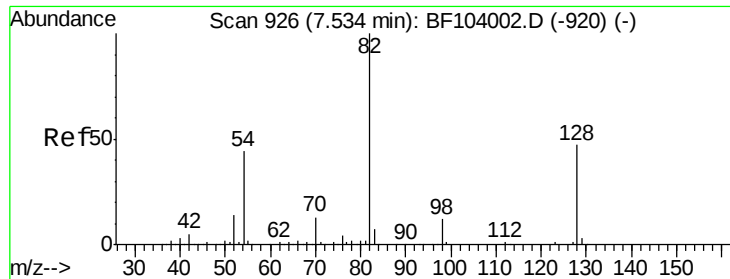
Tot Ion: 70 Resp: 60494
Ion Ratio Lower Upper
70 100
42 42.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.7 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF104121.D
Acq: 31 Mar 2018 4:58

Tgt Ion:136 Resp: 464760
Ion Ratio Lower Upper
136 100
137 10.2 8.9 13.3
54 6.2 6.6 9.8#
68 5.5 5.0 7.4

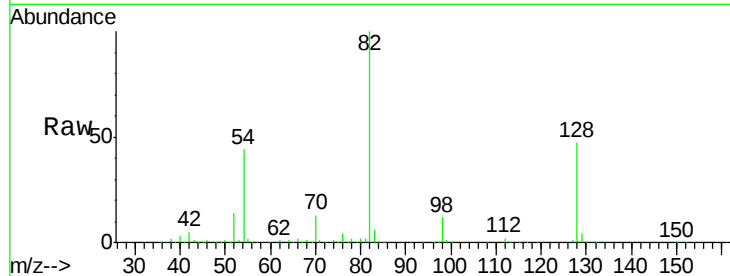




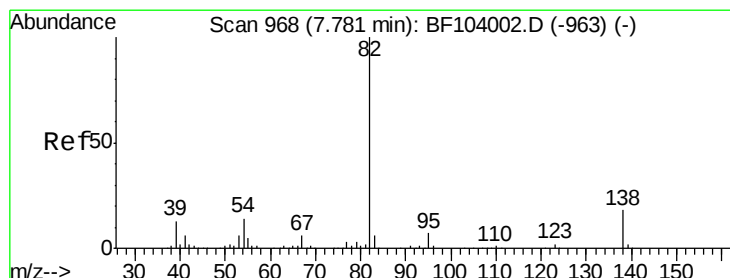
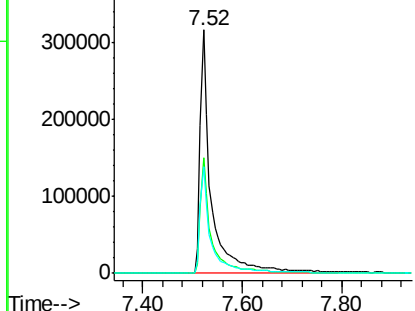
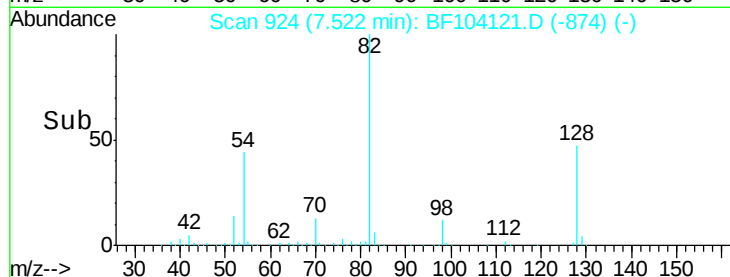
#23
 Nitrobenzene-d5
 Concen: 65.510 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: BF104121.D
 Acq: 31 Mar 2018 4:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	497850
Ion Ratio	Lower	Upper	
82	100		
128	47.3	36.1	54.1
54	43.8	41.4	62.2

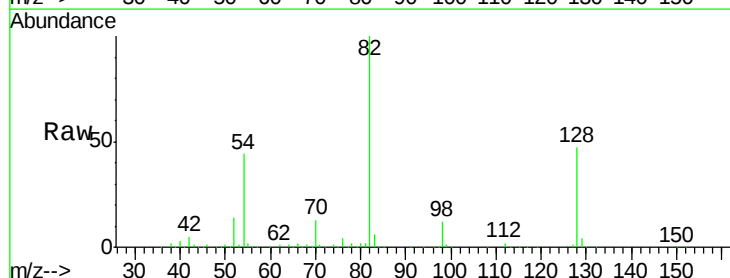


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

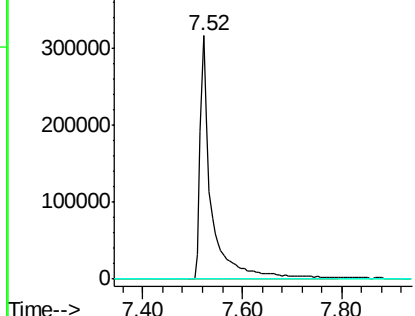
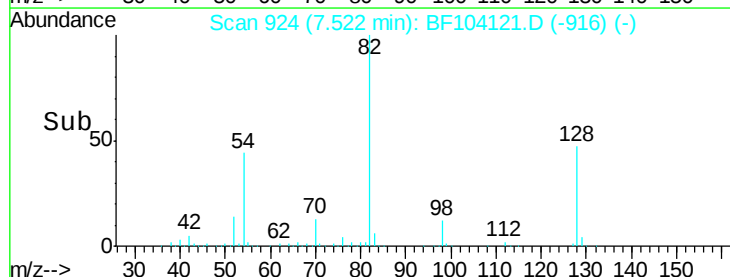


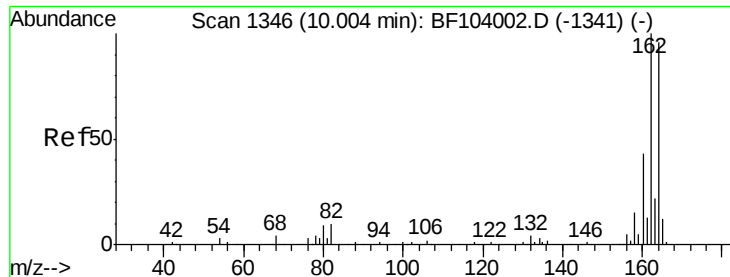
#25
 Isophorone
 Concen: 35.547 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.25 min
 Lab File: BF104121.D
 Acq: 31 Mar 2018 4:58

Tgt Ion	82	Resp	497850
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: BF104121.D

Acq: 31 Mar 2018 4:58

Instrument :

BNA_F

ClientSampleId :

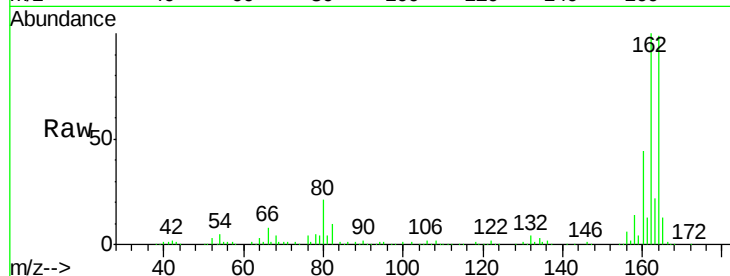
Tot Ion:164 Resp: 187530

Ion Ratio Lower Upper

164 100

162 100.9 86.1 129.1

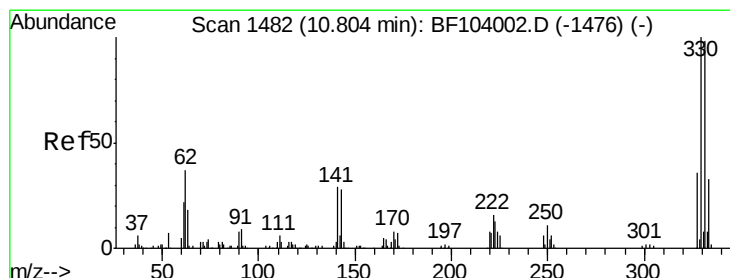
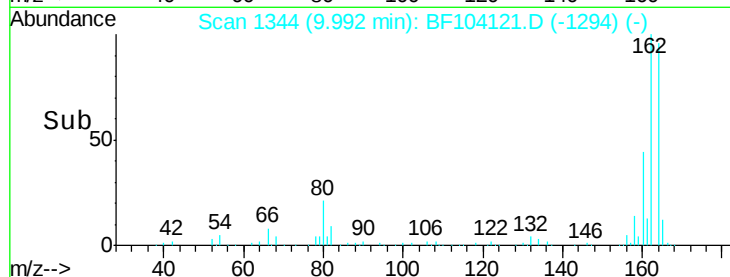
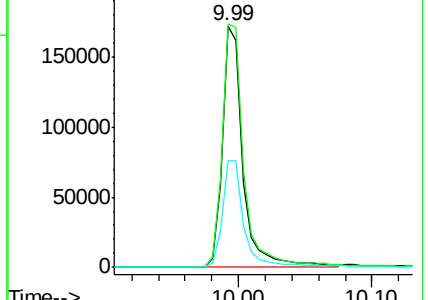
160 44.0 38.3 57.5



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: 80.138 ng

RT: 10.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BF104121.D

Acq: 31 Mar 2018 4:58

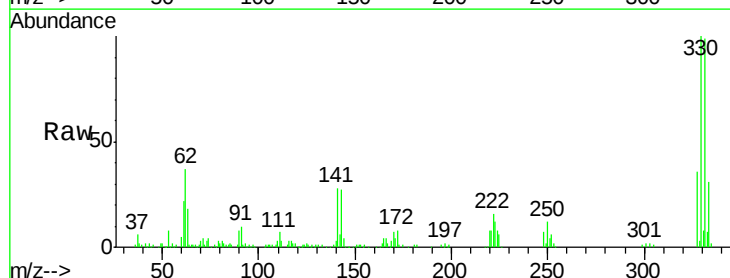
Tgt Ion:330 Resp: 167340

Ion Ratio Lower Upper

330 100

332 100.9 77.0 115.6

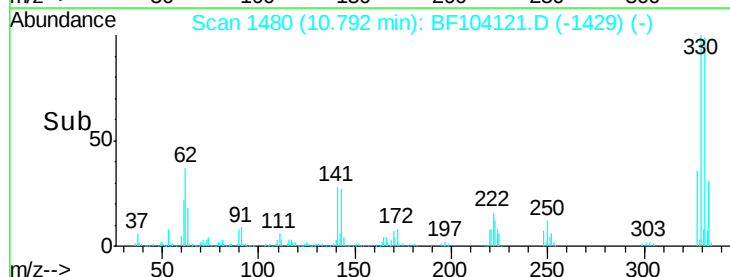
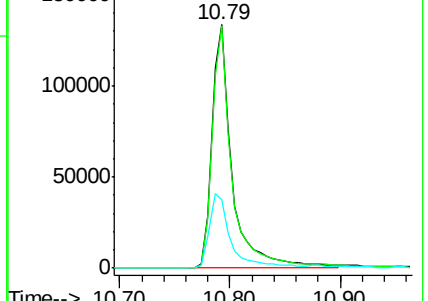
141 32.9 29.9 44.9

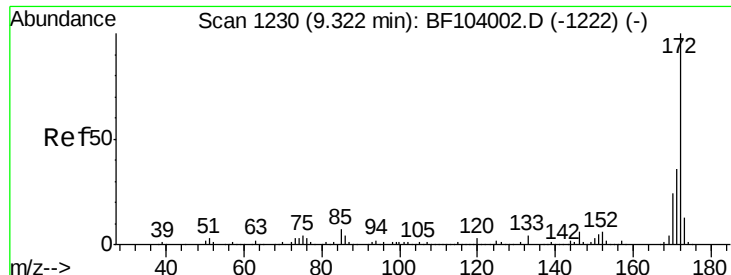


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

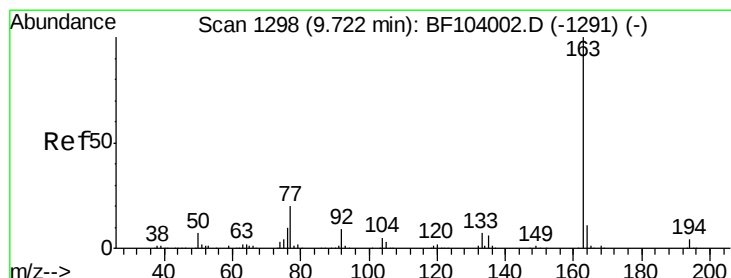
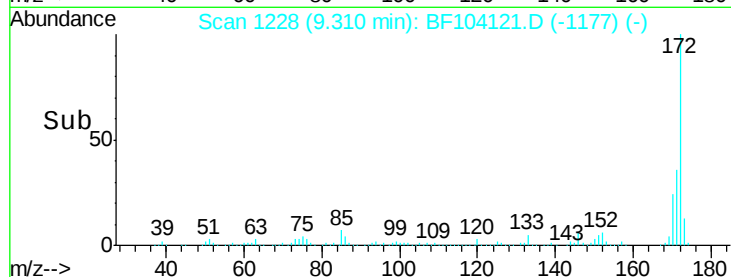
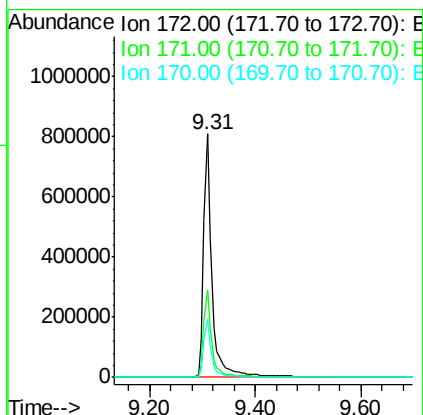
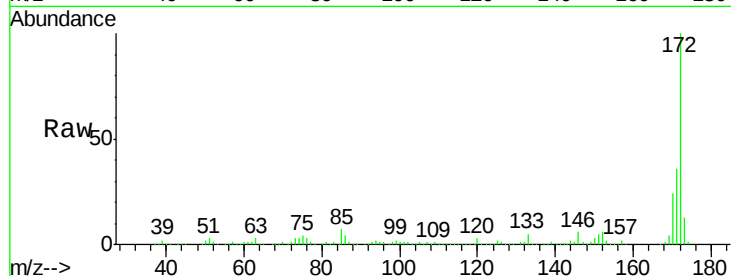




#44
2-Fluorobiphenyl
Concen: 76.249 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF104121.D
Acq: 31 Mar 2018 4:58

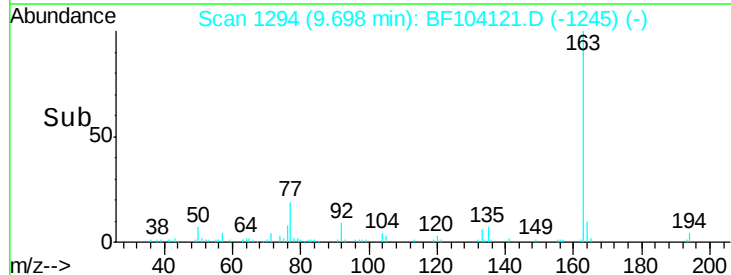
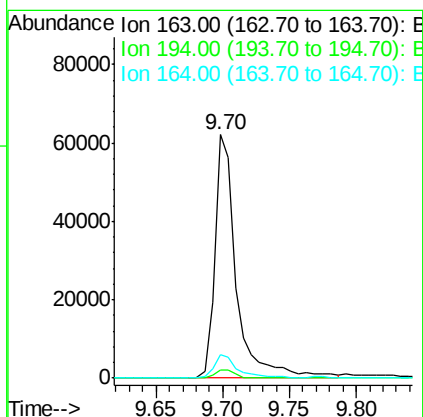
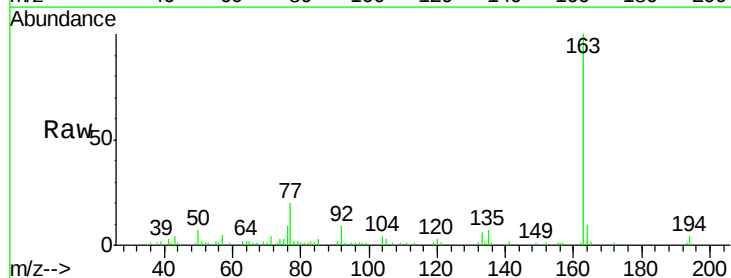
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 906774
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 23.9 19.6 29.4



#49
Dimethylphthalate
Concen: 4.756 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF104121.D
Acq: 31 Mar 2018 4:58

Tgt Ion:163 Resp: 70420
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.7 8.2 12.2

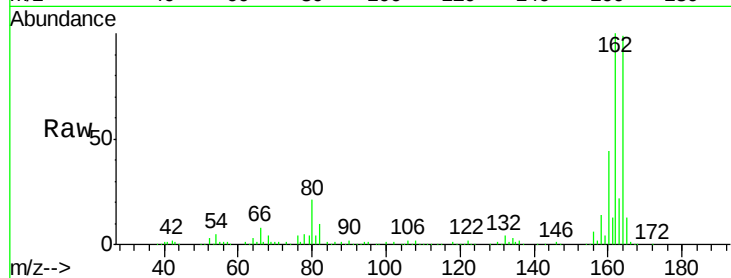




#56
2,4-Dinitrotoluene
Concen: 6.265 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.20 min
Lab File: BF104121.D
Acq: 31 Mar 2018 4:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	25465
Ion Ratio	Lower	Upper
165	100	
63	2.0	36.4 54.6#
89	1.8	57.8 86.6#
182	0.0	1.6 2.4#

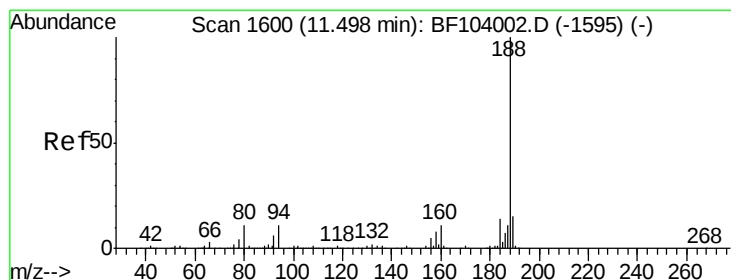
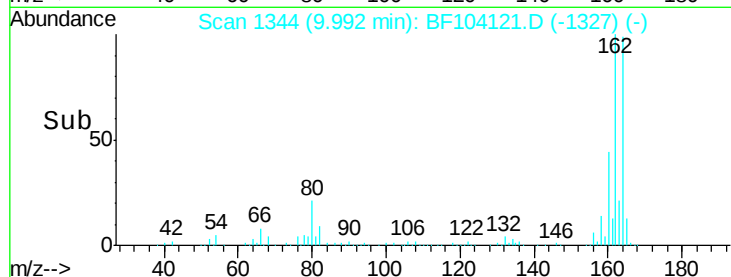
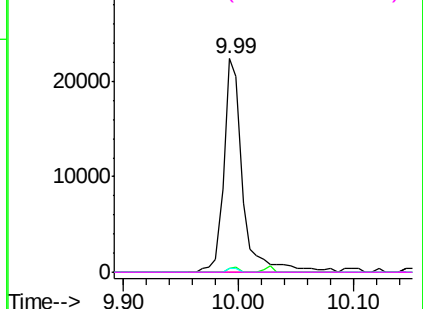


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

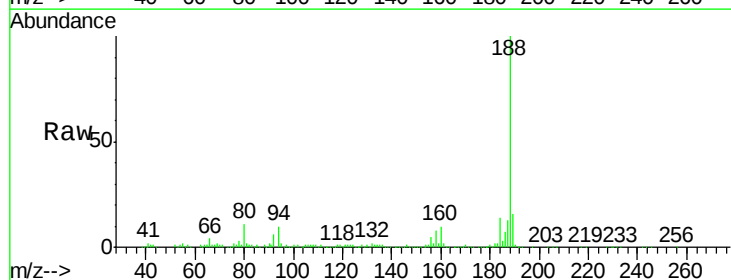
Ion 89.00 (88.70 to 89.70): BF1

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: BF104121.D
Acq: 31 Mar 2018 4:58

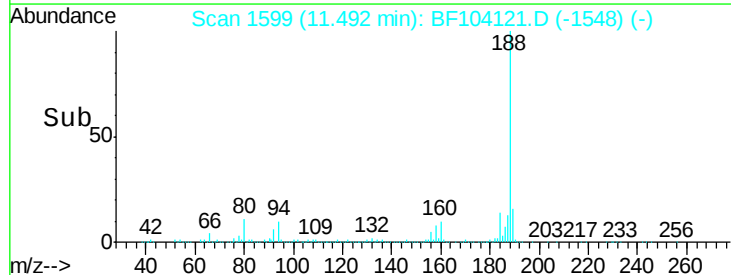
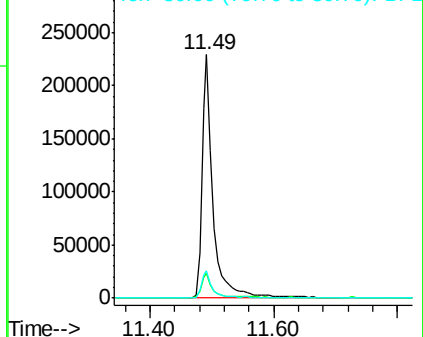
Tgt Ion:188	Resp:	288933
Ion Ratio	Lower	Upper
188	100	
94	10.3	8.5 12.7
80	11.1	9.2 13.8

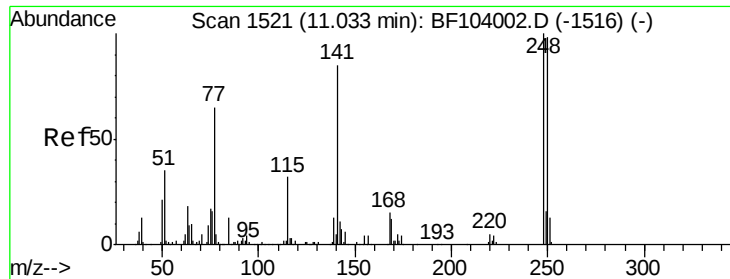


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

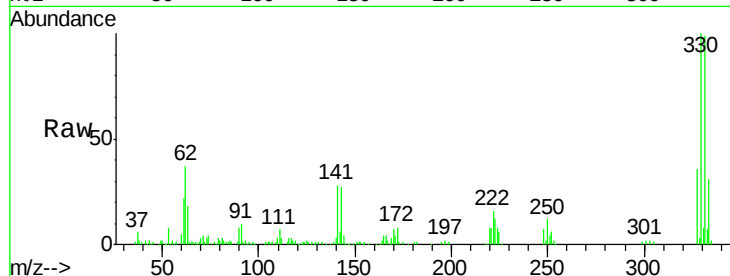




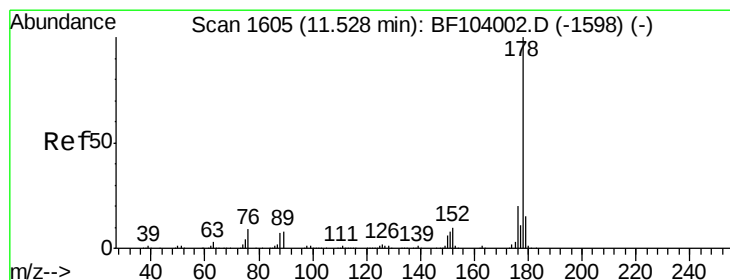
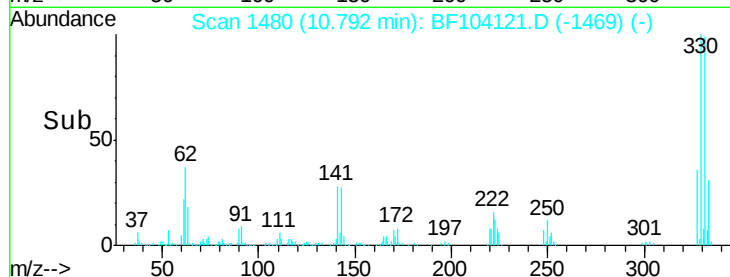
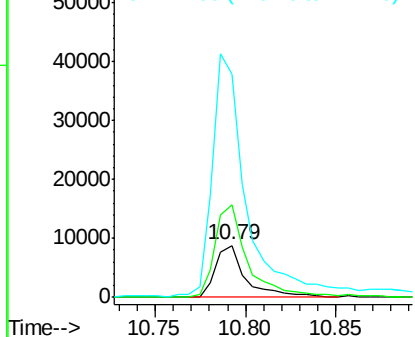
#66
4-Bromophenyl-phenylether
Concen: 3.280 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.24 min
Lab File: BF104121.D
Acq: 31 Mar 2018 4:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 10140
Ion Ratio Lower Upper
248 100
250 176.9 76.9 115.3#
141 426.0 74.4 111.6#

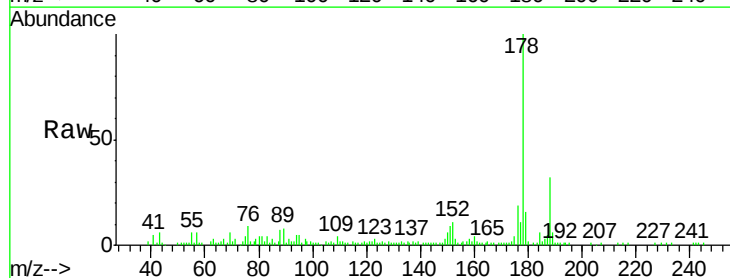


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

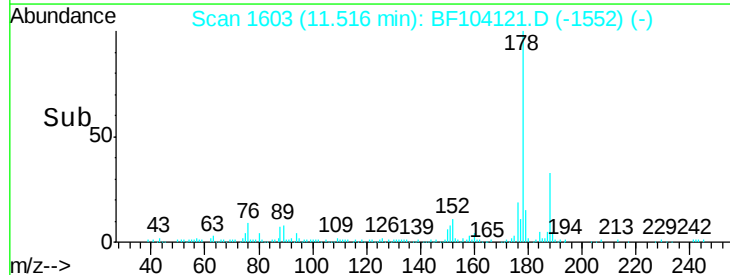
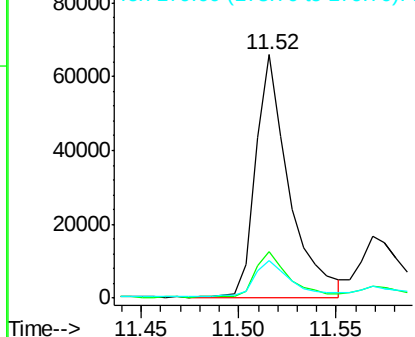


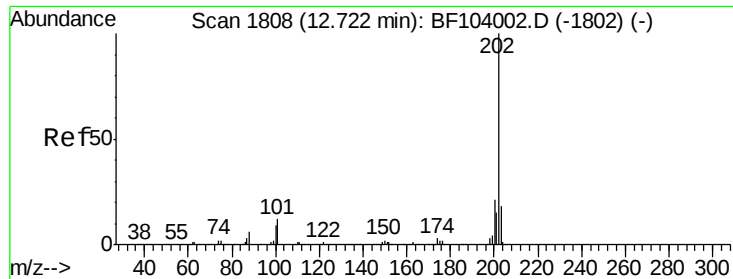
#70
Phenanthrene
Concen: 5.021 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF104121.D
Acq: 31 Mar 2018 4:58

Tgt Ion:178 Resp: 78538
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.6 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: 6.802 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF104121.D

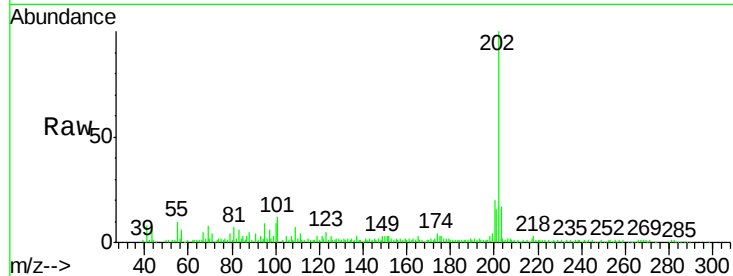
Acq: 31 Mar 2018 4:58

Instrument :

BNA_F

ClientSampleId :

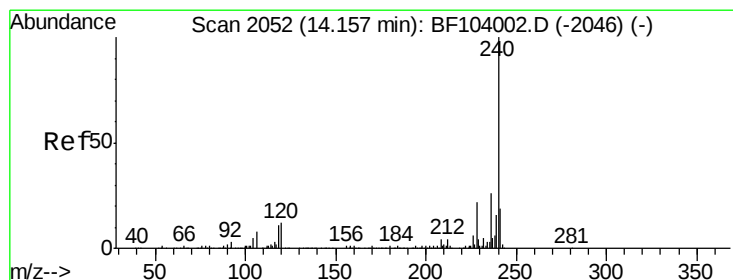
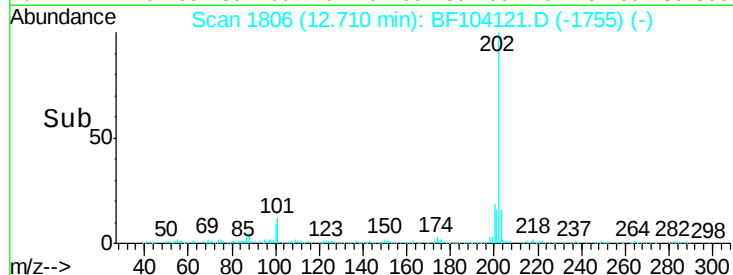
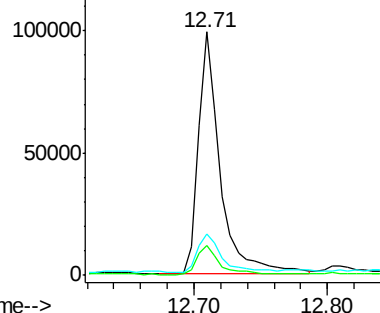
Tot Ion:	202	Resp:	113097
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	17.0	0.0	38.1



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

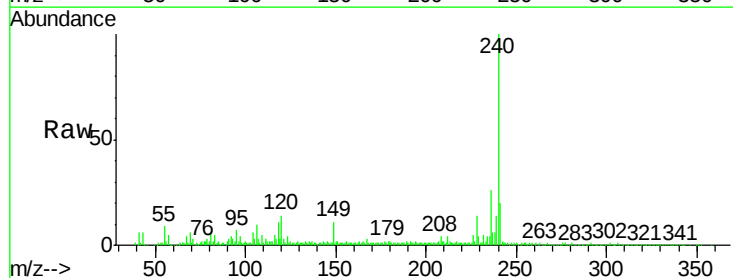
RT: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF104121.D

Acq: 31 Mar 2018 4:58

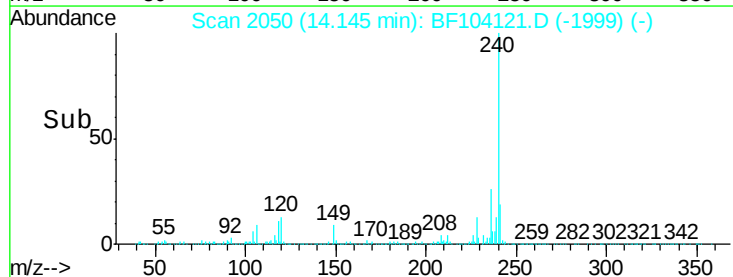
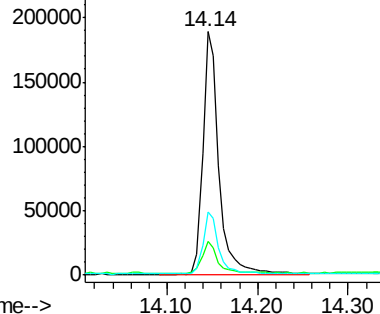
Tgt Ion:	240	Resp:	234125
Ion	Ratio	Lower	Upper
240	100		
120	14.0	9.5	14.3
236	25.7	20.7	31.1

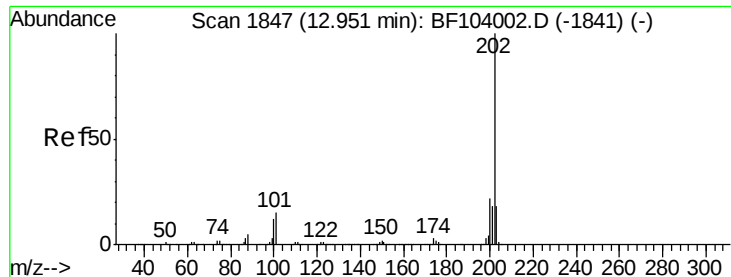


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

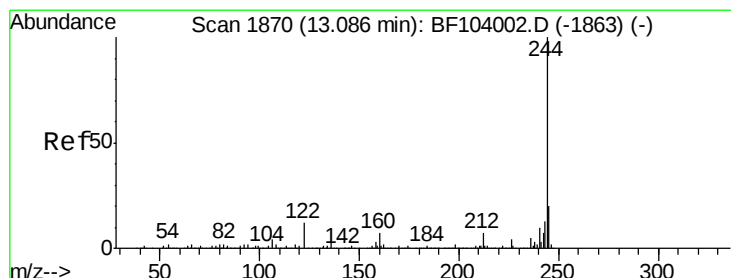
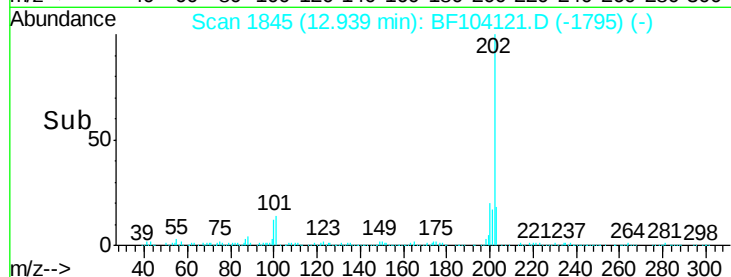
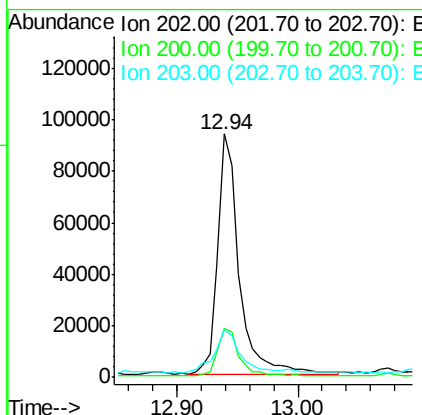
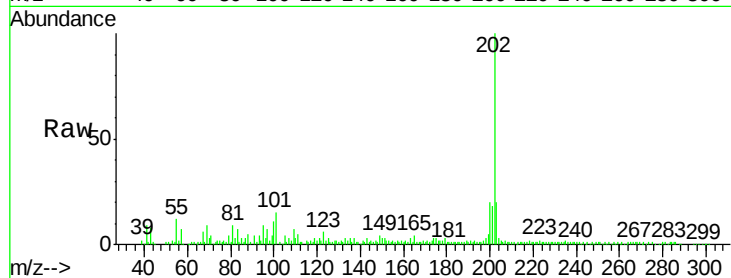




#77
Pvrene
Concen: 6.734 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF104121.D
Acq: 31 Mar 2018 4:58

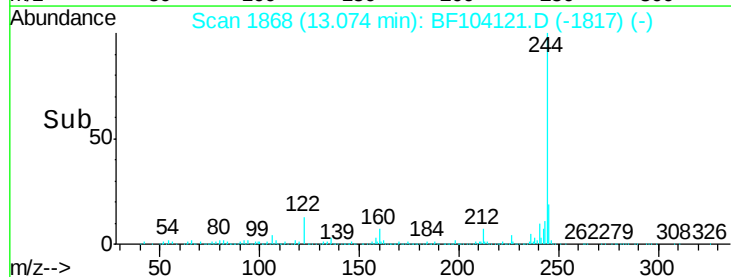
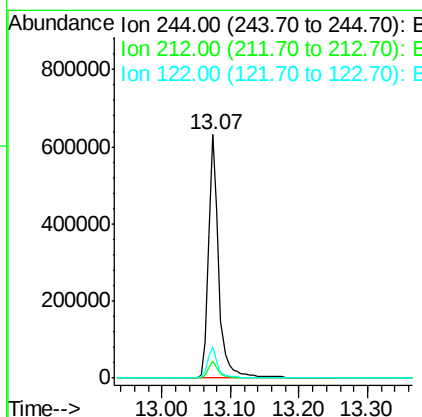
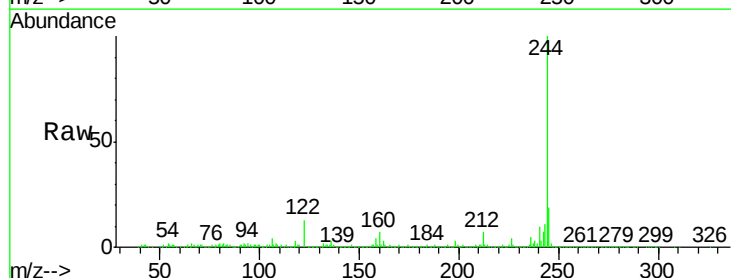
Instrument :
BNA_F
ClientSampleId :

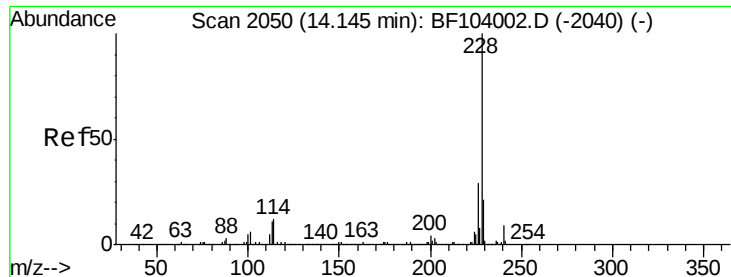
Tot Ion:202 Resp: 113336
Ion Ratio Lower Upper
202 100
200 20.1 17.4 26.2
203 19.6 14.3 21.5



#78
Terphenyl-d14
Concen: 66.534 ng
RT: 13.07 min Scan# 1868
Delta R.T. 0.00 min
Lab File: BF104121.D
Acq: 31 Mar 2018 4:58

Tgt Ion:244 Resp: 674650
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 12.9 11.0 16.4





#80

Benzo(a)anthracene

Concen: 4.028 ng

RT: 14.14 min Scan# 2049

Delta R.T. 0.01 min

Lab File: BF104121.D

Acq: 31 Mar 2018 4:58

Instrument :

BNA_F

ClientSampleId :

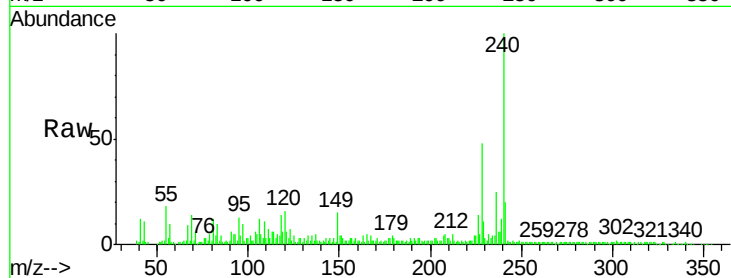
Tot Ion:228 Resp: 59002

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

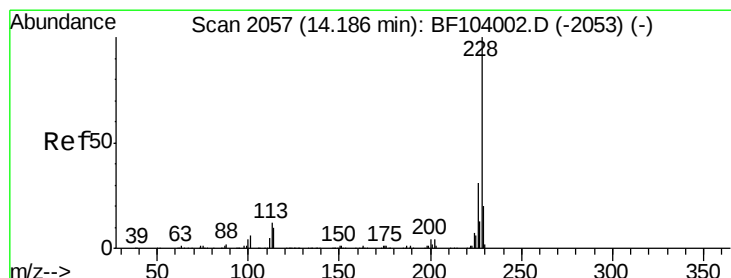
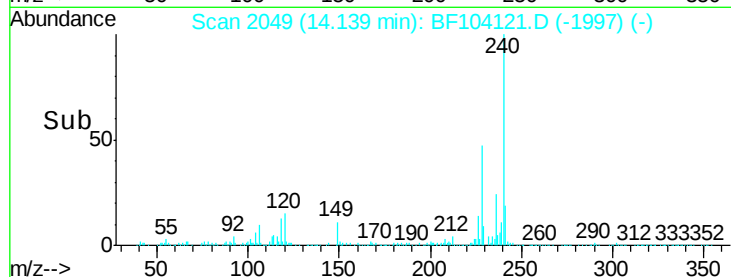
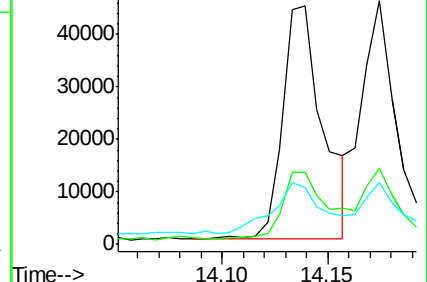
229 23.7 15.8 23.6#



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: 4.112 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.04 min

Lab File: BF104121.D

Acq: 31 Mar 2018 4:58

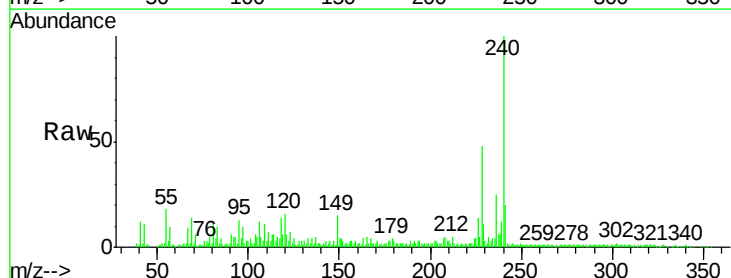
Tgt Ion:228 Resp: 59002

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

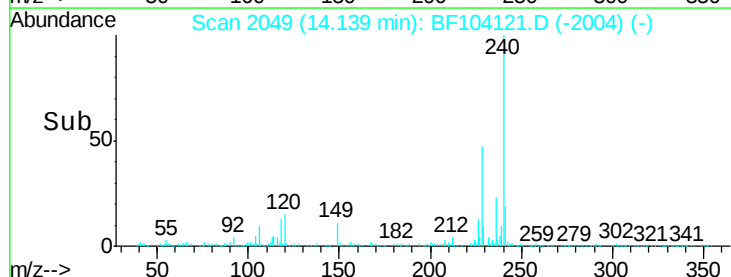
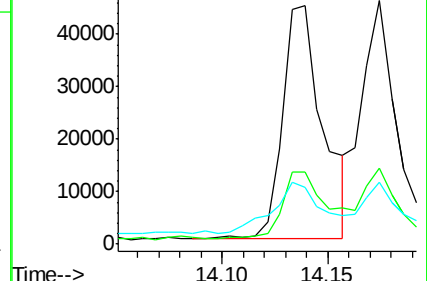
229 23.7 16.2 24.4

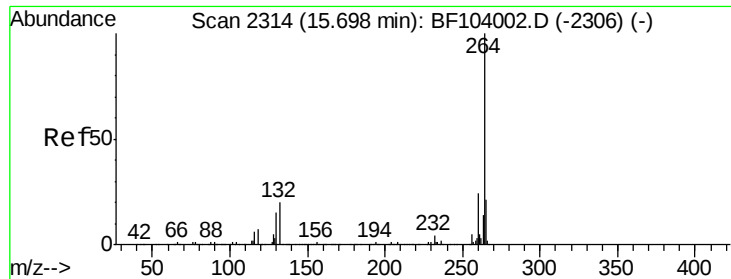


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

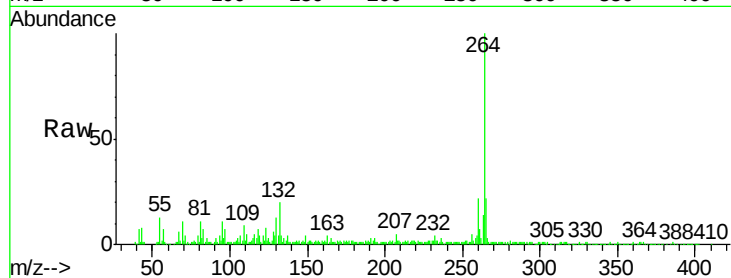




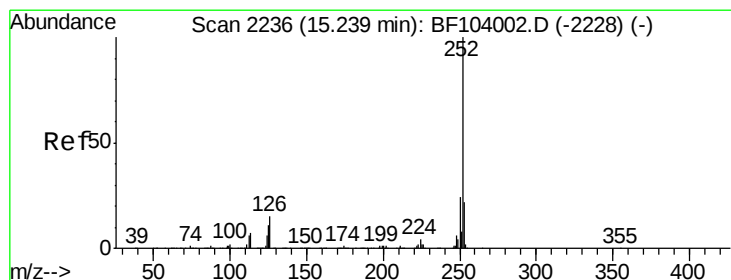
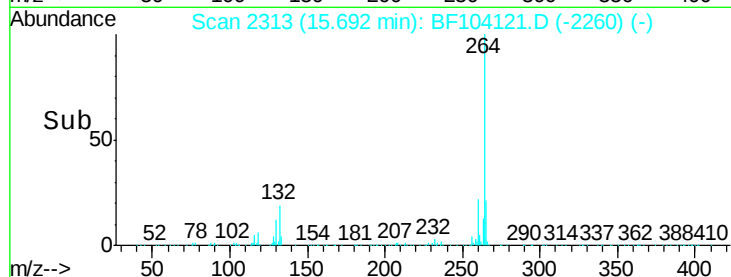
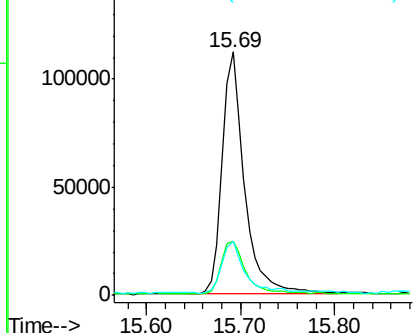
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF104121.D
Acq: 31 Mar 2018 4:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	22.0	17.5	26.3

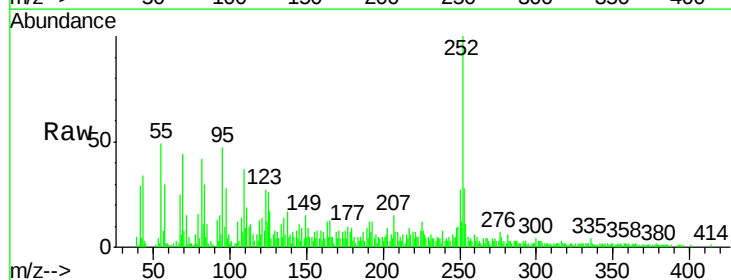


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

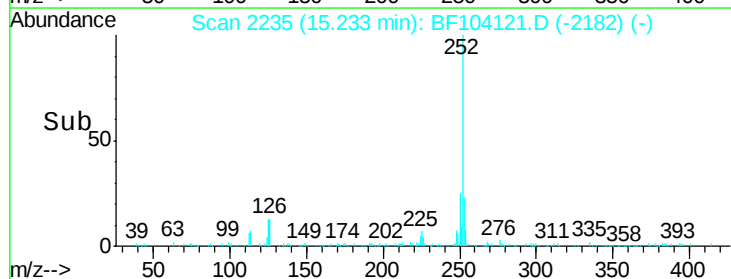
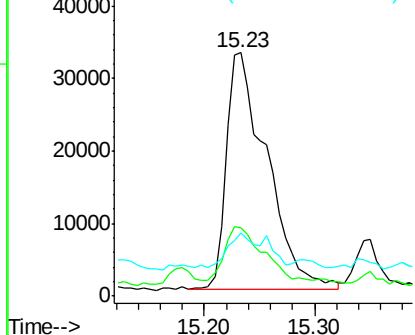


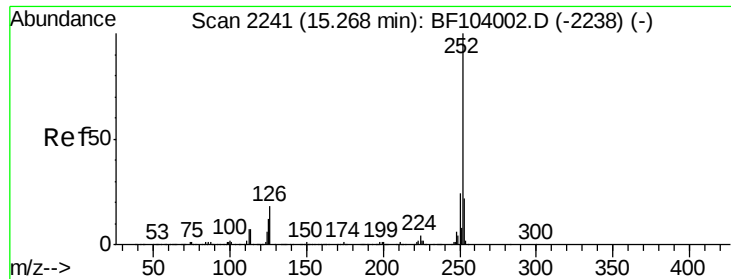
#87
Benzo(b)fluoranthene
Concen: 7.375 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF104121.D
Acq: 31 Mar 2018 4:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.0	25.6#
125	25.9	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

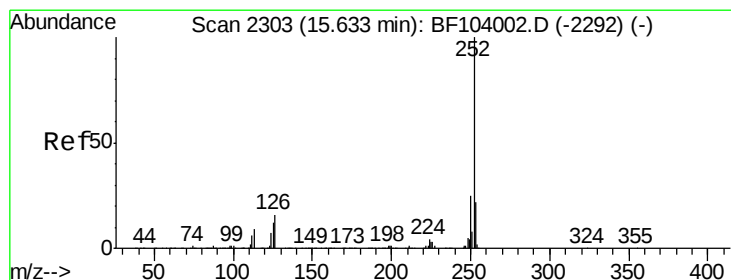
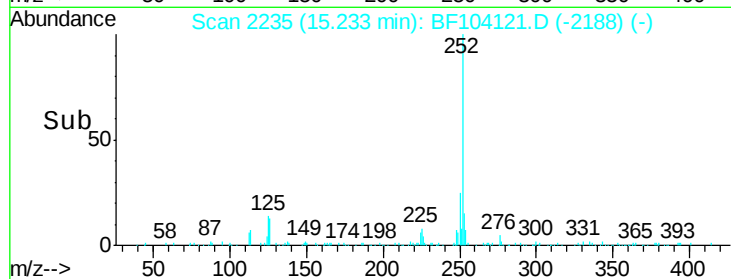
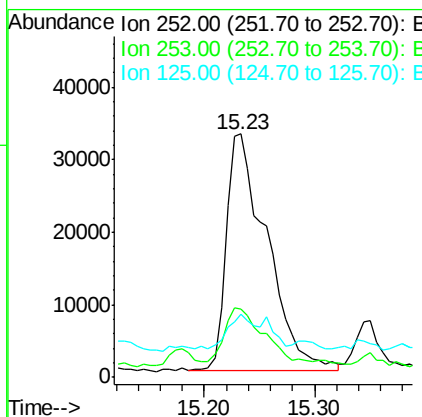
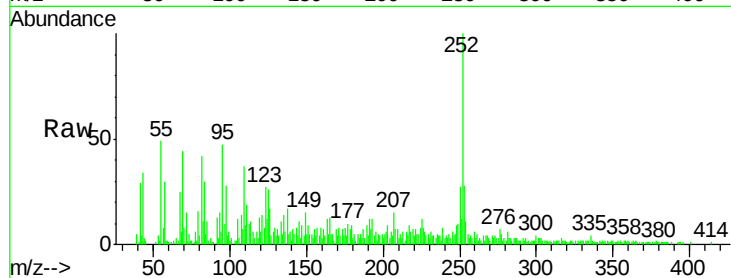




#88
Benzo(k)fluoranthene
Concen: 7.829 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF104121.D
Acq: 31 Mar 2018 4:58

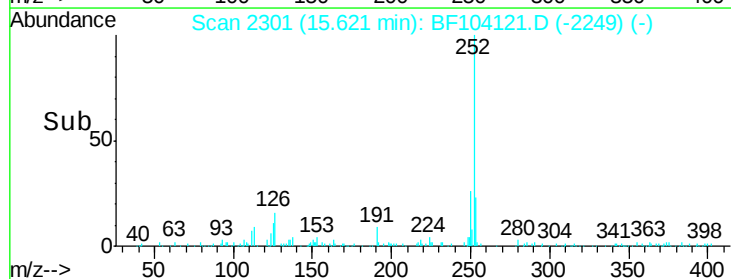
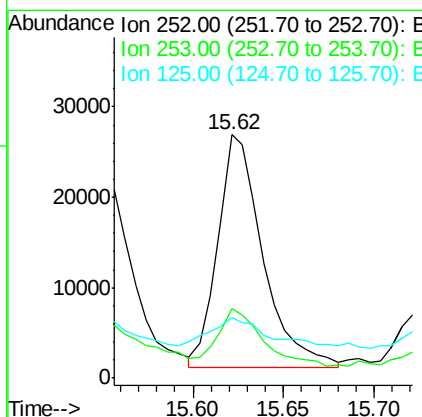
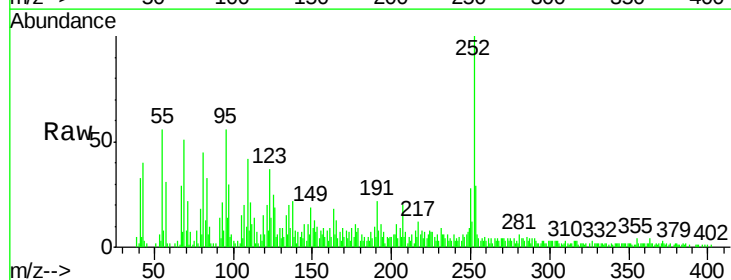
Instrument :
BNA_F
ClientSampleId :

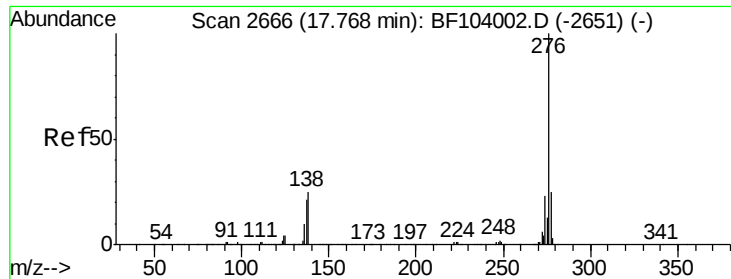
Tot Ion:252 Resp: 83600
Ion Ratio Lower Upper
252 100
253 27.9 17.9 26.9#
125 25.9 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 4.255 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BF104121.D
Acq: 31 Mar 2018 4:58

Tgt Ion:252 Resp: 44701
Ion Ratio Lower Upper
252 100
253 28.8 17.1 25.7#
125 24.7 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.952 ng

RT: 17.76 min Scan# 2665

Delta R.T. 0.02 min

Lab File: BF104121.D

Acq: 31 Mar 2018 4:58

Instrument :

BNA_F

ClientSampleId :

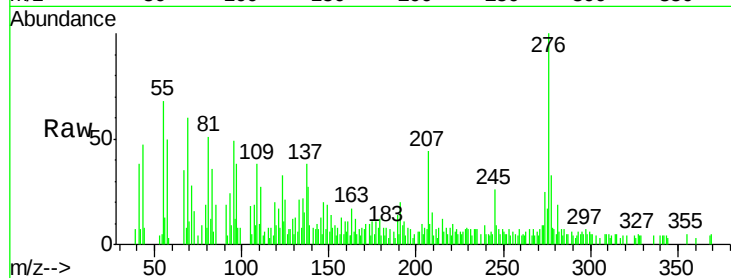
Tot Ion: 276 Resp: 28719

Ion Ratio Lower Upper

276 100

277 33.5 17.9 26.9#

138 26.8 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

