

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
 Data File : BF107172.D
 Acq On : 6 Jul 2018 14:59
 Operator : JU/SJ
 Sample : J3818-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5002

Quant Time: Jul 06 15:27:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

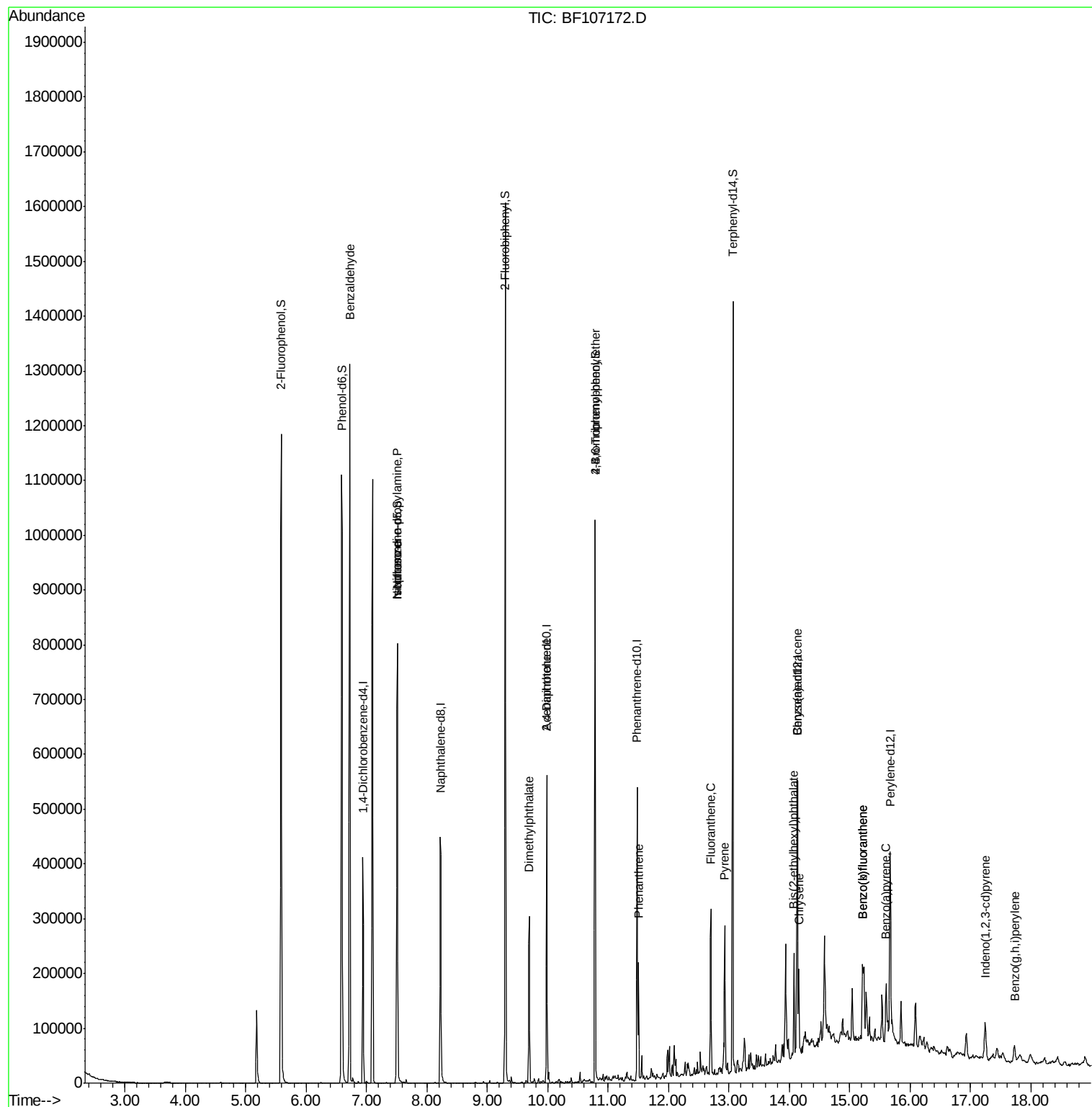
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	58273	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	235901	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	120729	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	218839	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	166869	20.00	ng	-0.03
86) Perylene-d12	15.67	264	177881	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	354614	103.05	ng	-0.01
7) Phenol-d6	6.59	99	457354	106.42	ng	-0.02
23) Nitrobenzene-d5	7.51	82	289116	68.11	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	150824	107.79	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	544023	74.44	ng	-0.02
78) Terphenyl-d14	13.07	244	524963	76.20	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.72	77	7631	2.116	ng	Qvalue 87
19) n-Nitroso-di-n-propylamine	7.51	70	37046	13.077	ng	# 74
25) Isophorone	7.51	82	289114	38.651	ng	# 64
49) Dimethylphthalate	9.70	163	127060	14.032	ng	99
56) 2,4-Dinitrotoluene	9.98	165	15622	6.242	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	8943	3.424	ng	# 1
70) Phenanthrene	11.51	178	83994	7.958	ng	97
74) Fluoranthene	12.70	202	117980	10.141	ng	94
77) Pyrene	12.93	202	110463	10.039	ng	99
80) Benzo(a)anthracene	14.12	228	61220	6.020	ng	99
82) Chrysene	14.16	228	63878	6.827	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	48250	8.342	ng	100
85) Indeno(1,2,3-cd)pyrene	17.24	276	29799	3.753	ng	# 89
87) Benzo(b)fluoranthene	15.21	252	111845	10.122	ng	97
88) Benzo(k)fluoranthene	15.21	252	111845	10.629	ng	# 97
89) Benzo(a)pyrene	15.60	252	54548	5.553	ng	95
91) Benzo(g,h,i)perylene	17.72	276	27392	3.366	ng	# 88

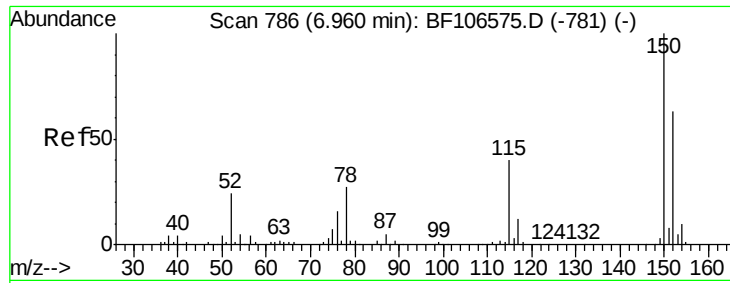
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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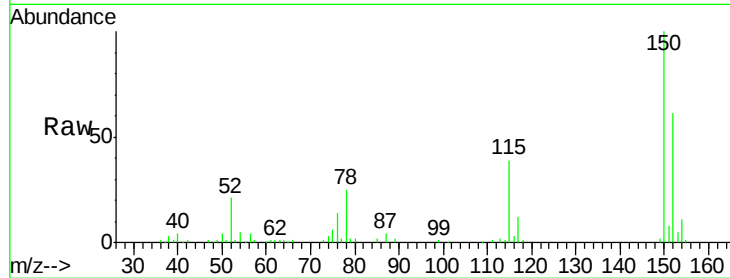


#1

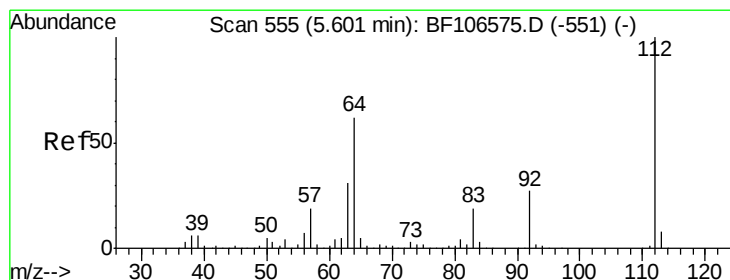
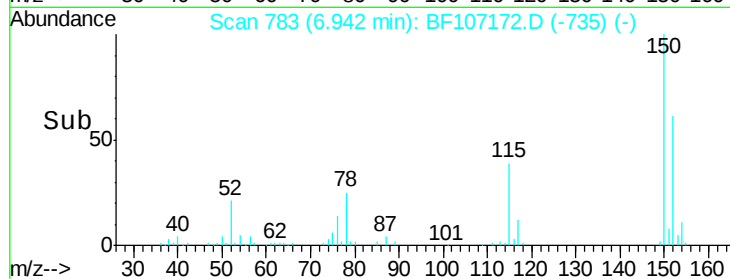
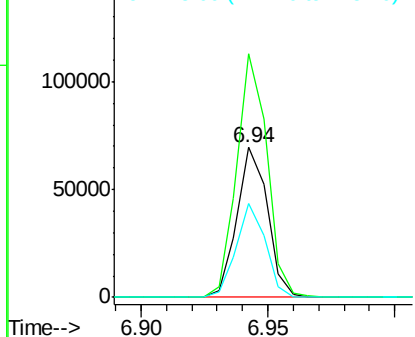
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107172.D
Acq: 6 Jul 2018 14:59

Instrument :
BNA_F
ClientSampled :
5002

Tgt Ion:152 Resp: 58273
Ion Ratio Lower Upper
152 100
150 162.7 124.6 186.8
115 62.7 50.1 75.1



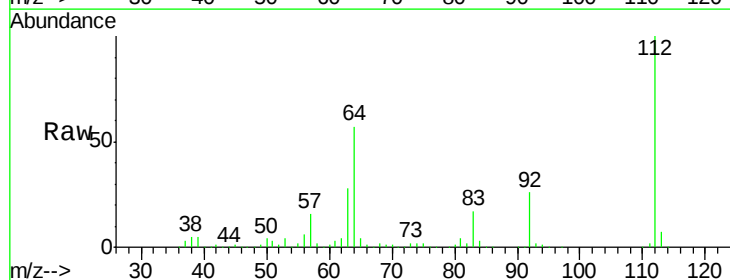
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



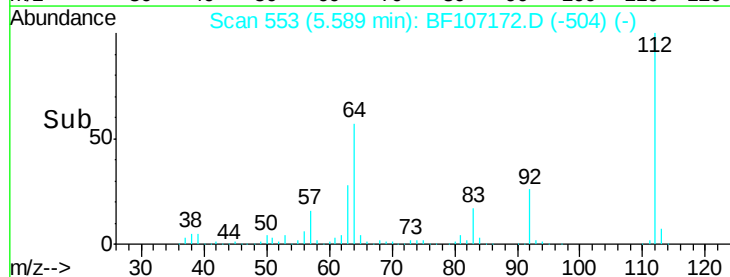
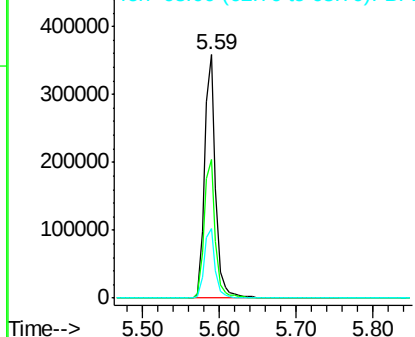
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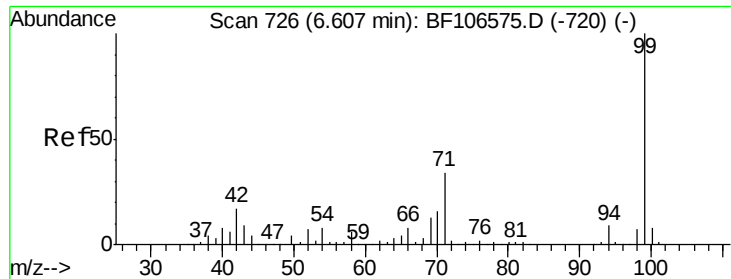
2-Fluorophenol
Concen: 103.045 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107172.D
Acq: 6 Jul 2018 14:59

Tgt Ion:112 Resp: 354614
Ion Ratio Lower Upper
112 100
64 57.1 47.9 71.9
63 28.3 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: 106.421 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107172.D

Acq: 6 Jul 2018 14:59

Instrument :

BNA_F

ClientSampled :

5002

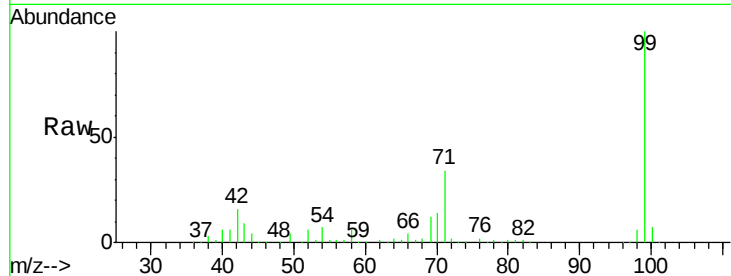
Tgt Ion: 99 Resp: 457354

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

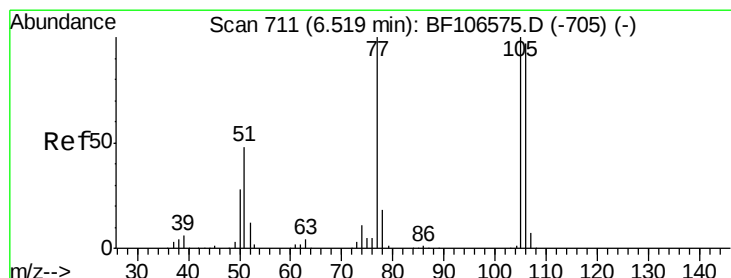
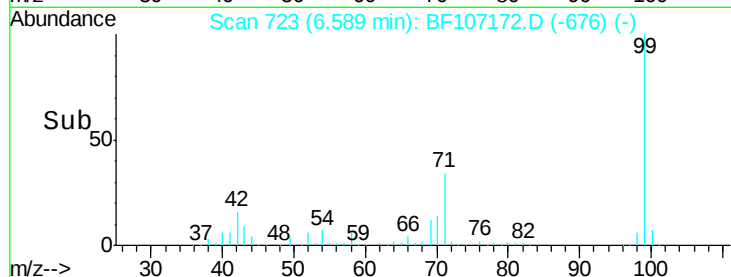
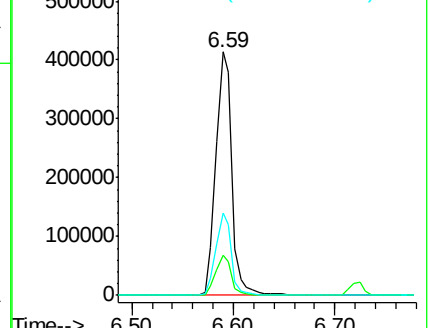
71 33.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.116 ng

RT: 6.72 min Scan# 746

Delta R.T. 0.21 min

Lab File: BF107172.D

Acq: 6 Jul 2018 14:59

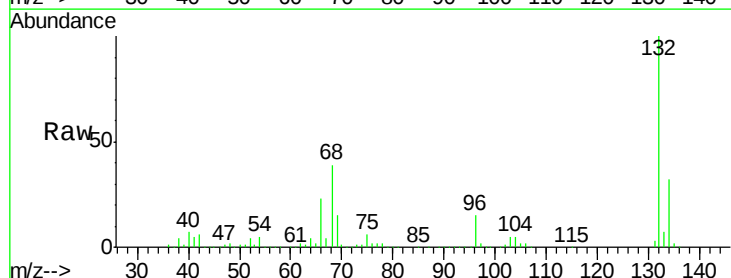
Tgt Ion: 77 Resp: 7631

Ion Ratio Lower Upper

77 100

105 88.4 81.1 121.1

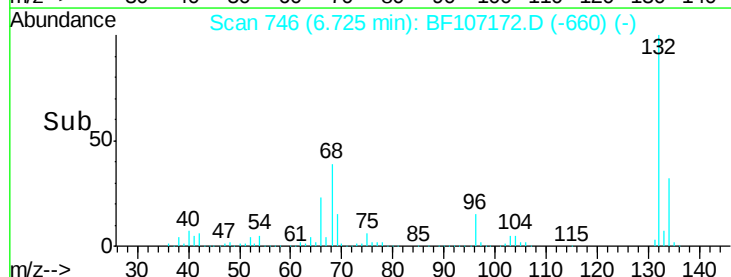
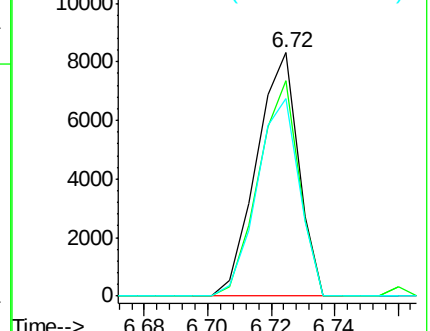
106 81.0 74.5 114.5

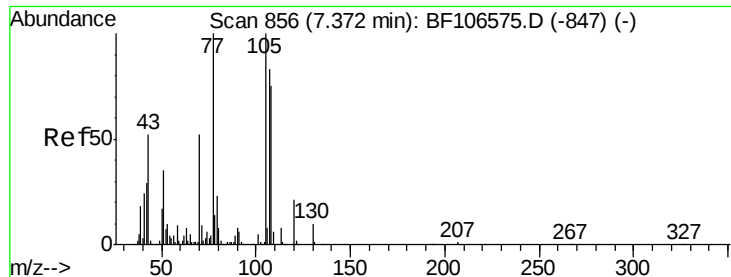


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

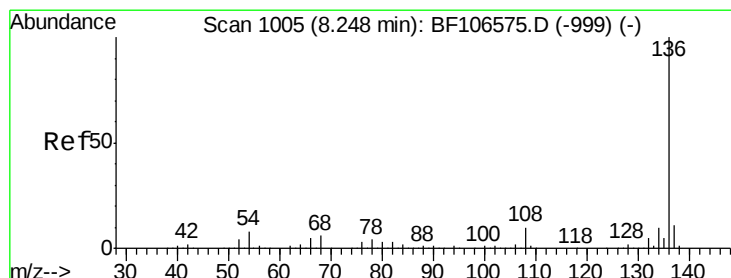
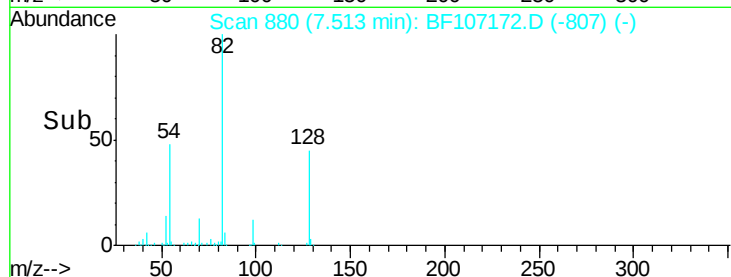
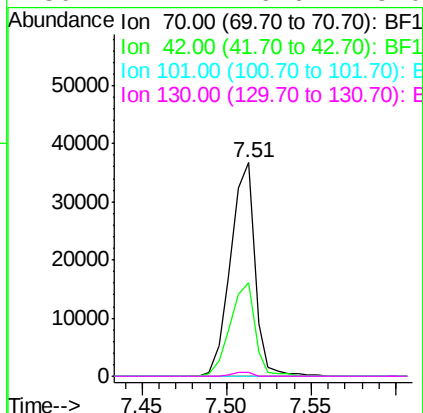
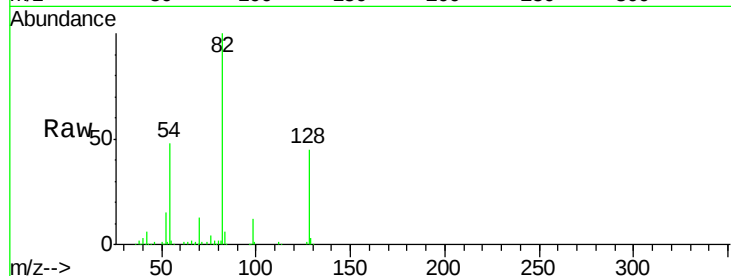




#19
n-Nitroso-di-n-propylamine
Concen: 13.077 ng
RT: 7.51 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF107172.D
Acq: 6 Jul 2018 14:59

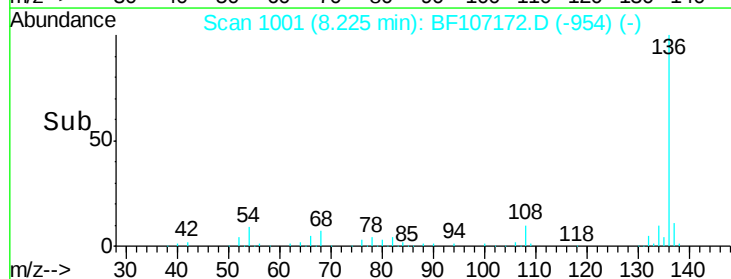
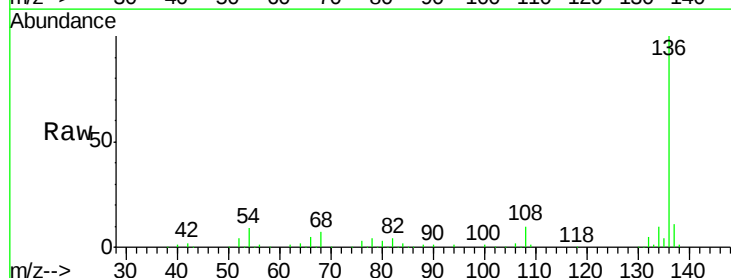
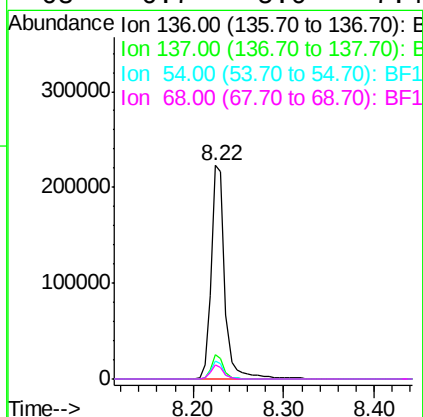
Instrument :
BNA_F
ClientSampleId :
5002

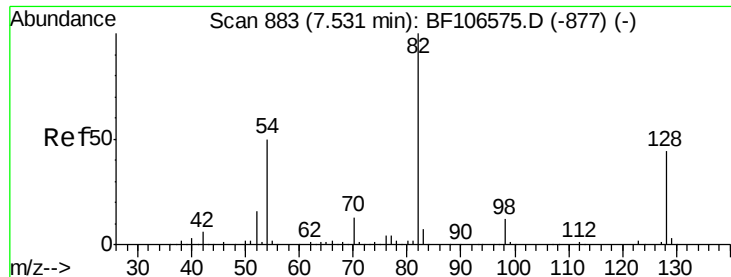
Tgt Ion: 70 Resp: 37046
Ion Ratio Lower Upper
70 100
42 43.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF107172.D
Acq: 6 Jul 2018 14:59

Tgt Ion: 136 Resp: 235901
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 8.7 6.6 9.8
68 6.7 5.0 7.4

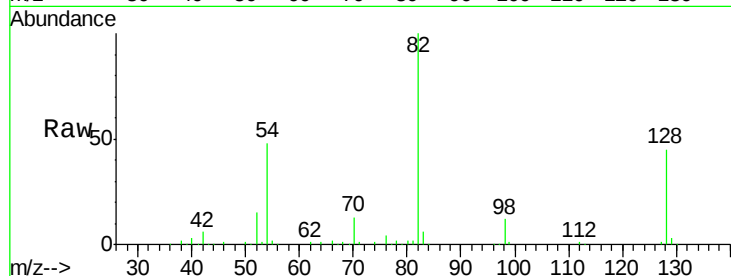




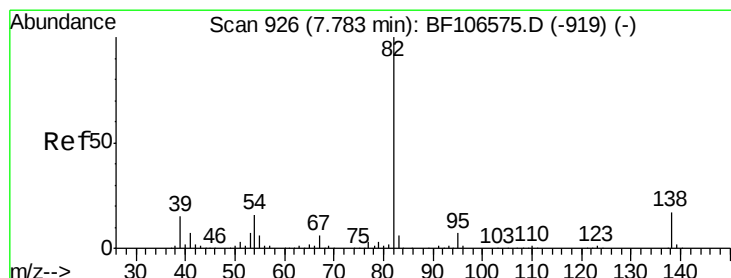
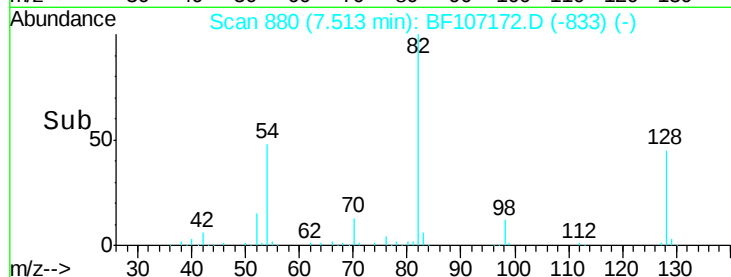
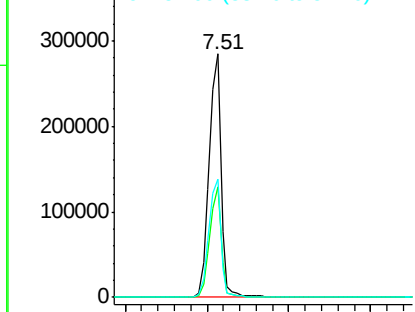
#23
 Nitrobenzene-d5
 Concen: 68.110 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107172.D
 Acq: 6 Jul 2018 14:59

Instrument :
 BNA_F
 ClientSampleId :
 5002

Tgt Ion: 82 Resp: 289116
 Ion Ratio Lower Upper
 82 100
 128 45.3 36.1 54.1
 54 48.3 41.4 62.2

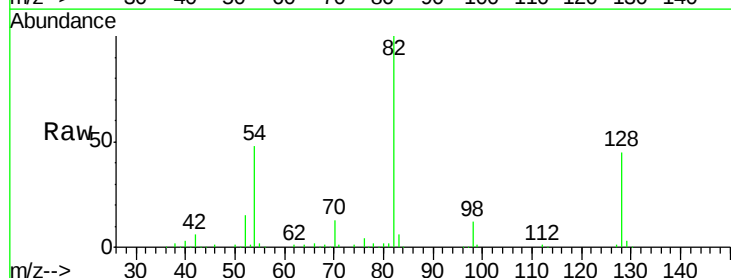


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

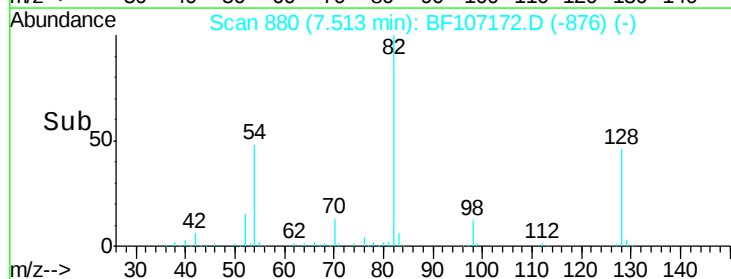
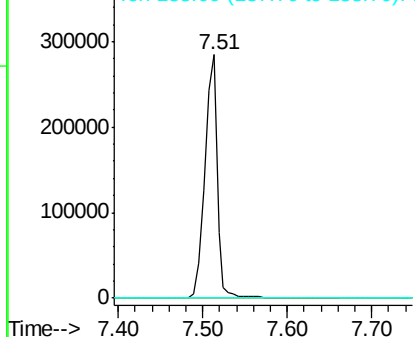


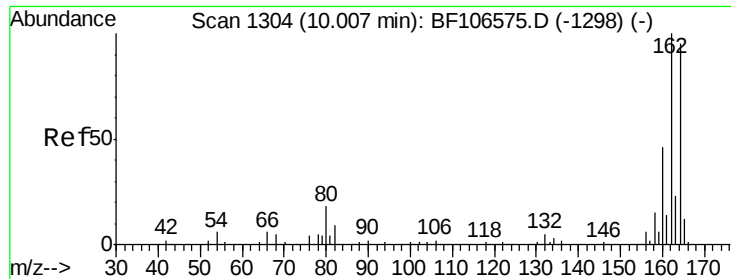
#25
 Isophorone
 Concen: 38.651 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF107172.D
 Acq: 6 Jul 2018 14:59

Tgt Ion: 82 Resp: 289114
 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

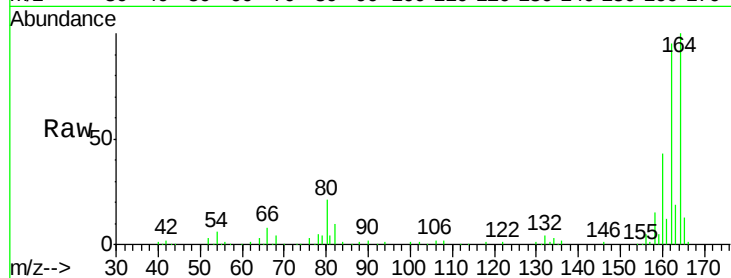




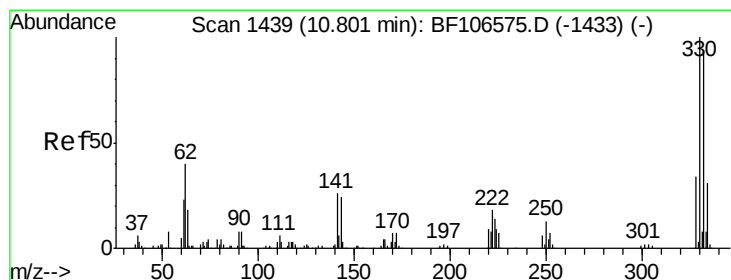
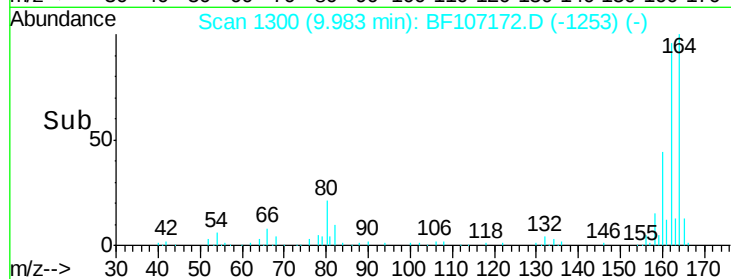
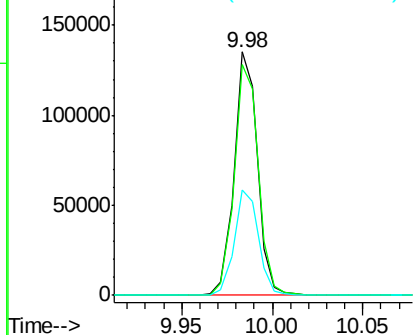
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF107172.D
 Acq: 6 Jul 2018 14:59

Instrument :
 BNA_F
 ClientSampleId :
 5002

Tgt Ion:164 Resp: 120729
 Ion Ratio Lower Upper
 164 100
 162 94.9 86.1 129.1
 160 43.3 38.3 57.5

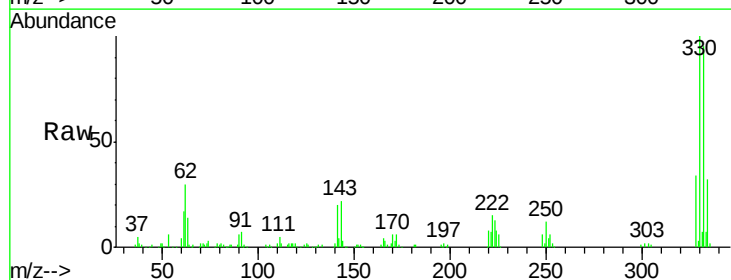


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

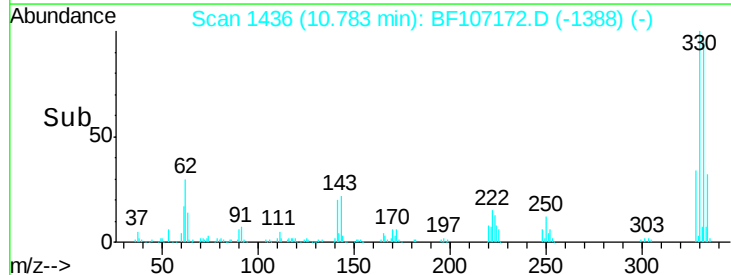
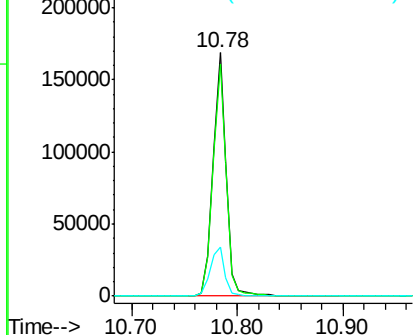


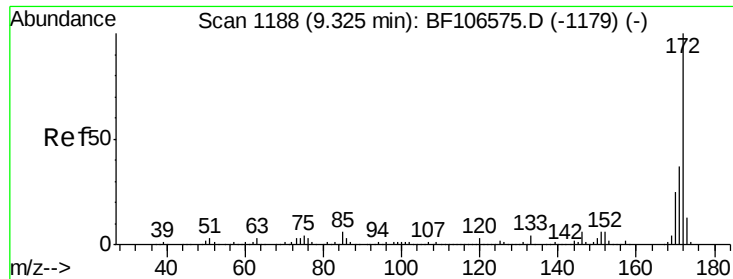
#41
 2,4,6-Tribromophenol
 Concen: 107.787 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107172.D
 Acq: 6 Jul 2018 14:59

Tgt Ion:330 Resp: 150824
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 22.1 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

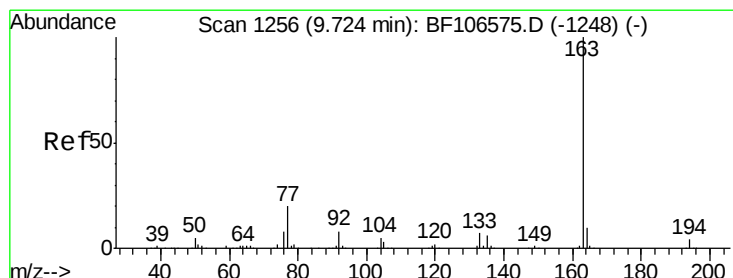
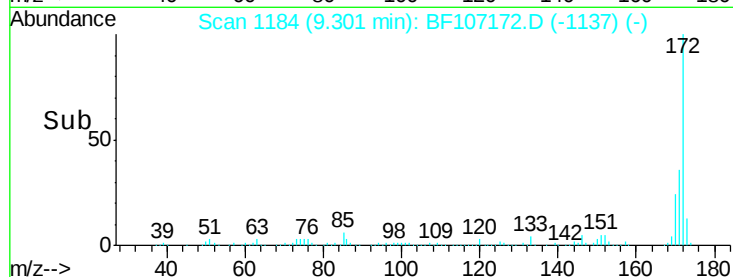
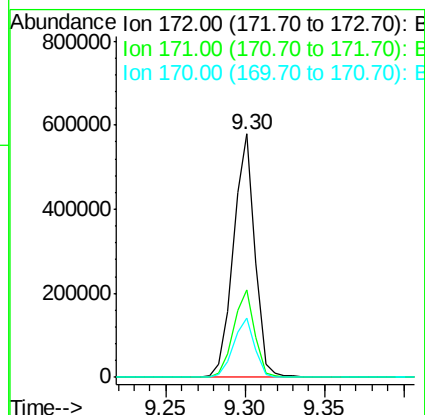
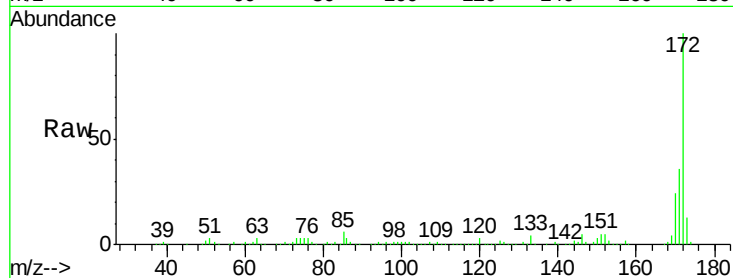




#44
2-Fluorobiphenyl
Concen: 74.440 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107172.D
Acq: 6 Jul 2018 14:59

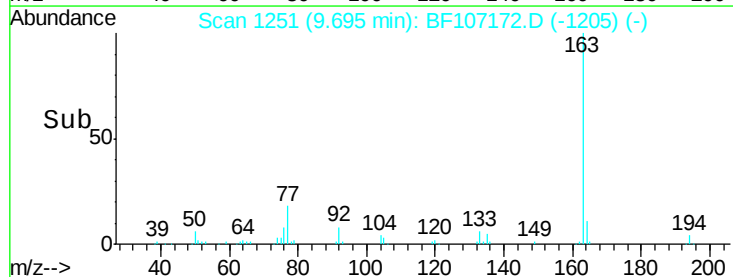
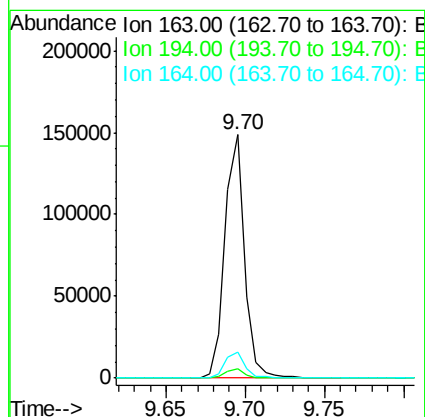
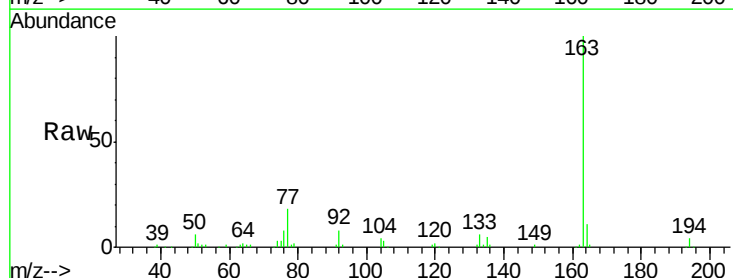
Instrument :
BNA_F
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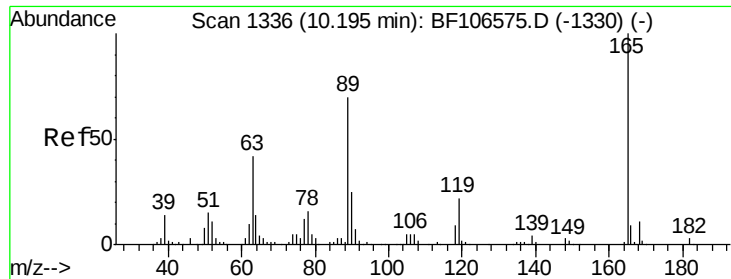
Tgt Ion:172 Resp: 544023
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.3 19.6 29.4



#49
Dimethylphthalate
Concen: 14.032 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107172.D
Acq: 6 Jul 2018 14:59

Tgt Ion:163 Resp: 127060
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.6 8.2 12.2

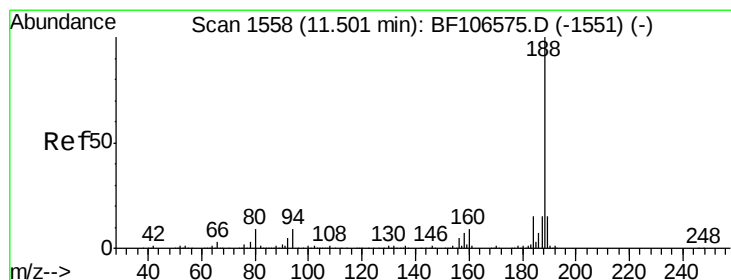
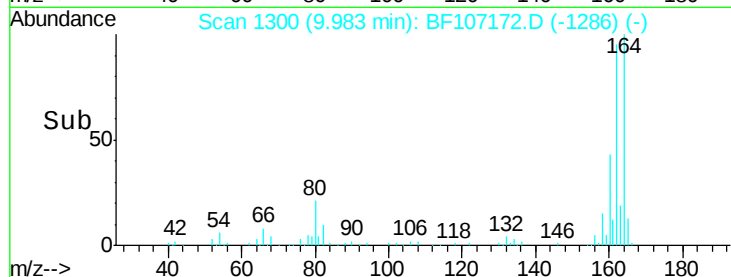
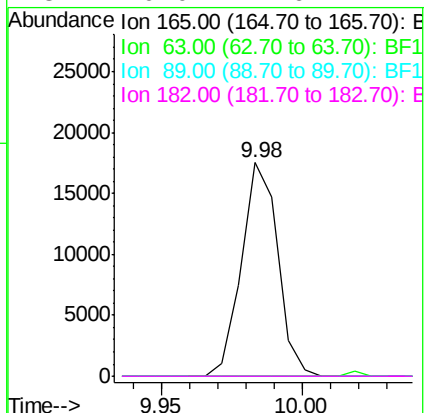
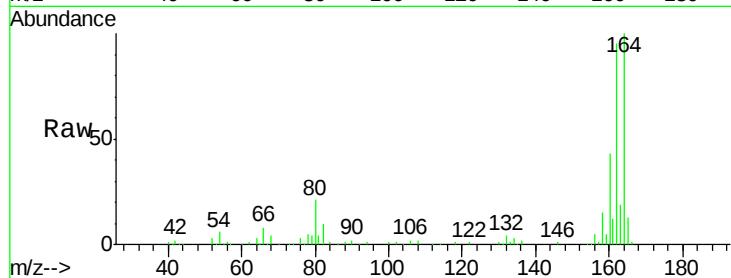




#56
2,4-Dinitrotoluene
Concen: 6.242 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.22 min
Lab File: BF107172.D
Acq: 6 Jul 2018 14:59

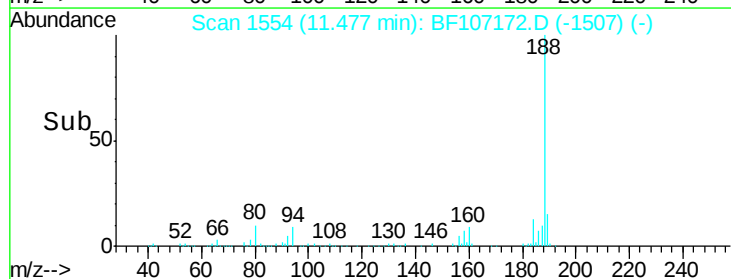
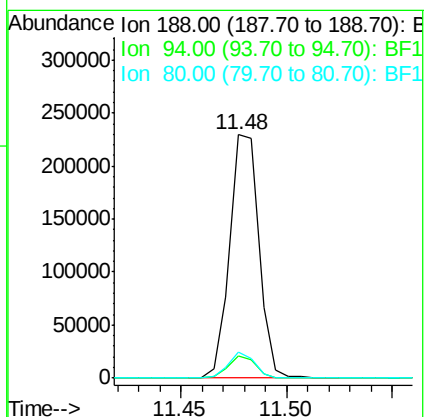
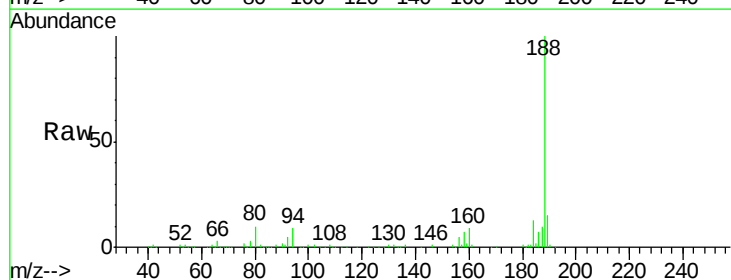
Instrument :
BNA_F
ClientSampleId :
5002

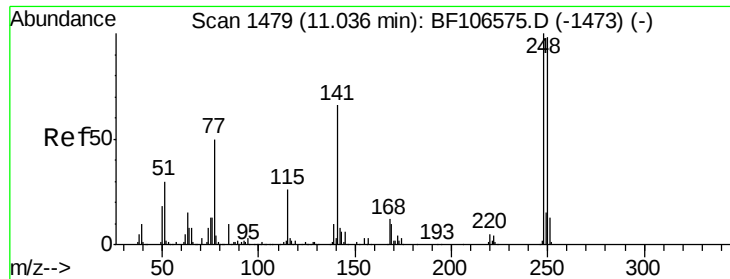
Tgt Ion:	165	Resp:	15622
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107172.D
Acq: 6 Jul 2018 14:59

Tgt Ion:	188	Resp:	218839
Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.5	9.2	13.8

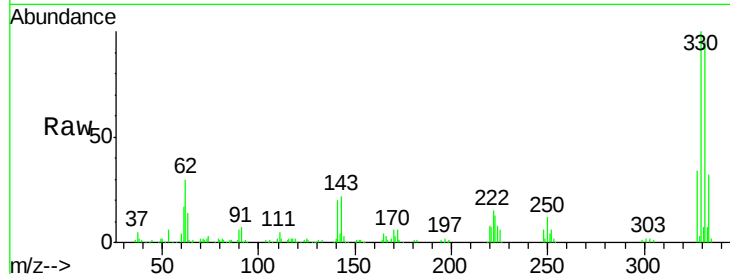




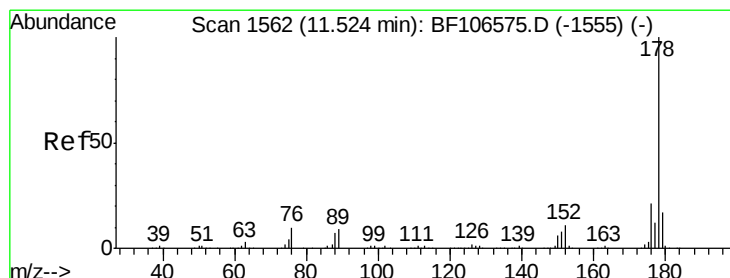
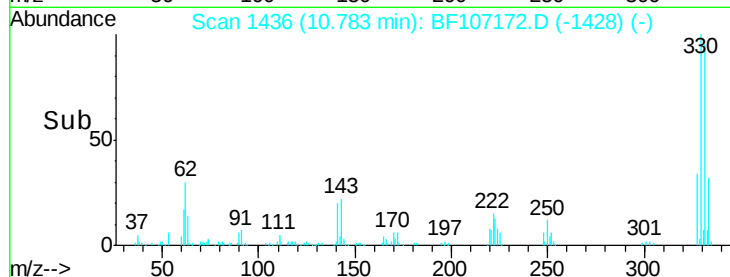
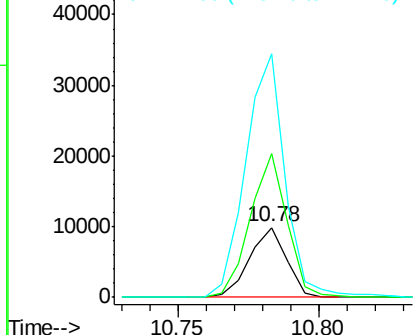
#66
 4-Bromophenyl-phenylether
 Concen: 3.424 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: BF107172.D
 Acq: 6 Jul 2018 14:59

Instrument :
 BNA_F
 ClientSampleId :
 5002

Tgt Ion: 248 Resp: 8943
 Ion Ratio Lower Upper
 248 100
 250 206.4 76.9 115.3#
 141 349.2 74.4 111.6#

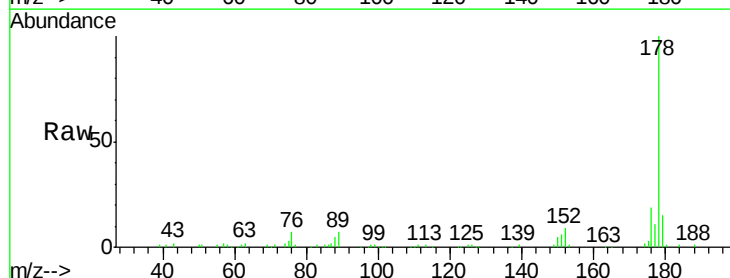


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

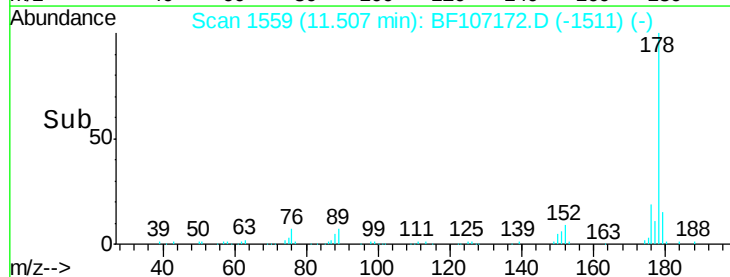
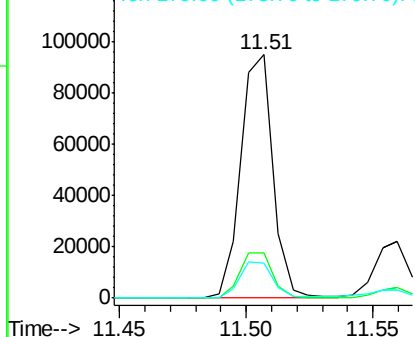


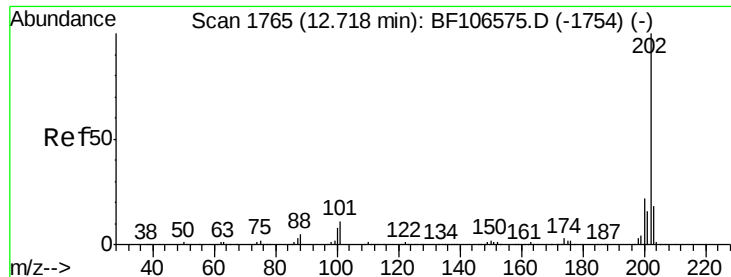
#70
 Phenanthrene
 Concen: 7.958 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF107172.D
 Acq: 6 Jul 2018 14:59

Tgt Ion: 178 Resp: 83994
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 14.6 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: 10.141 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF107172.D

Acq: 6 Jul 2018 14:59

Instrument :

BNA_F

ClientSampleId :

5002

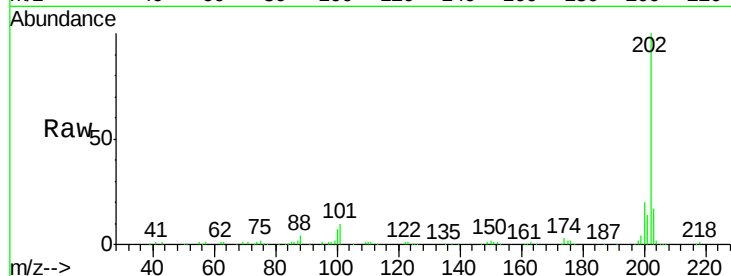
Tgt Ion:202 Resp: 117980

Ion Ratio Lower Upper

202 100

101 9.7 0.0 34.1

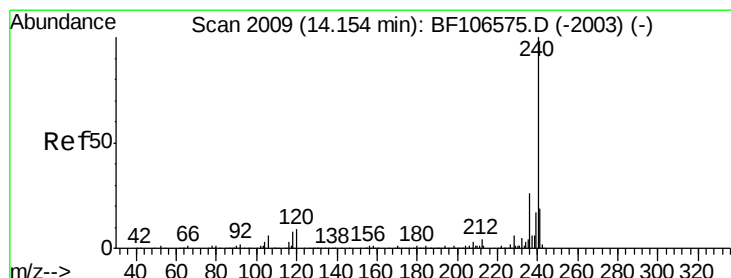
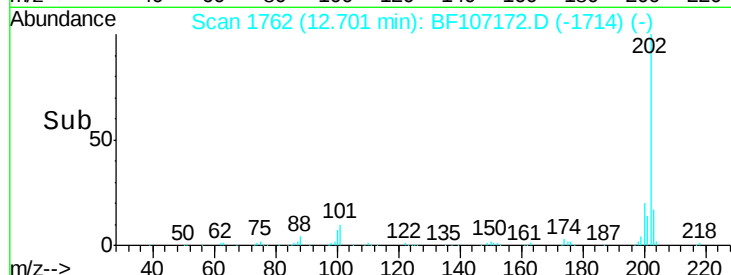
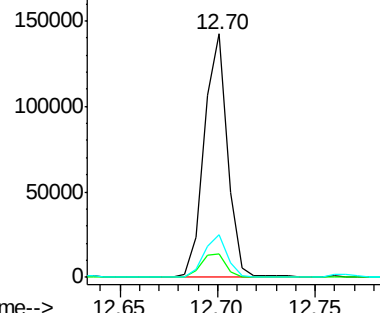
203 17.3 0.0 38.1



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# 2006

Delta R.T. -0.03 min

Lab File: BF107172.D

Acq: 6 Jul 2018 14:59

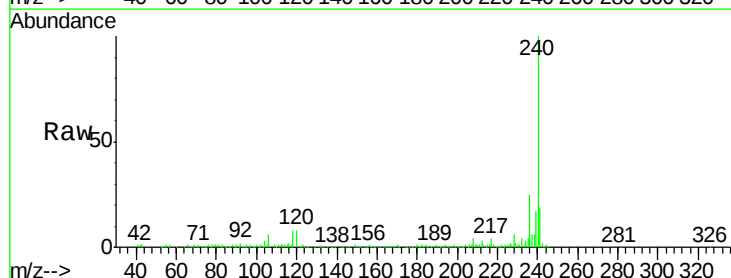
Tgt Ion:240 Resp: 166869

Ion Ratio Lower Upper

240 100

120 8.5 9.5 14.3#

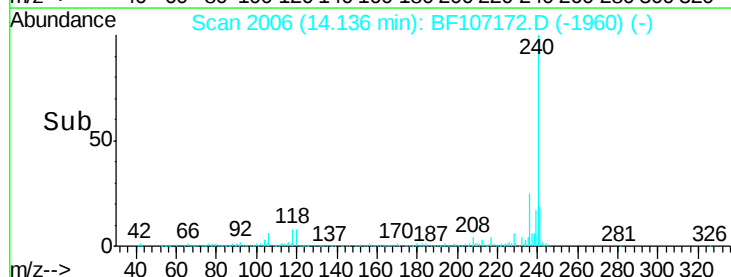
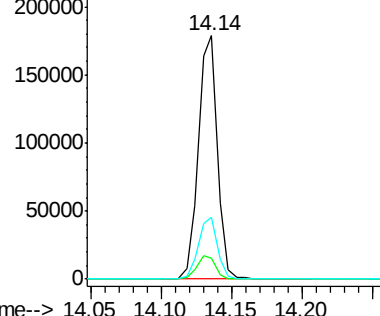
236 25.3 20.7 31.1

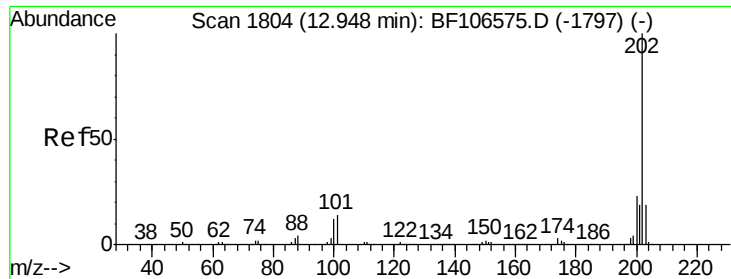


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

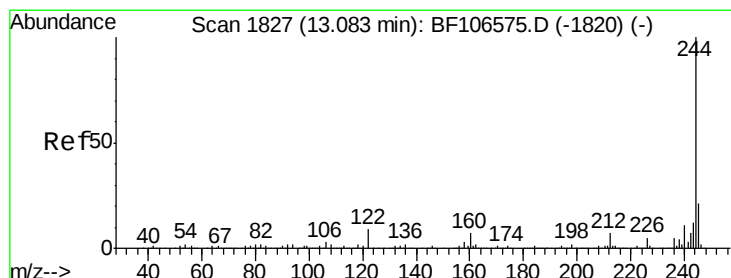
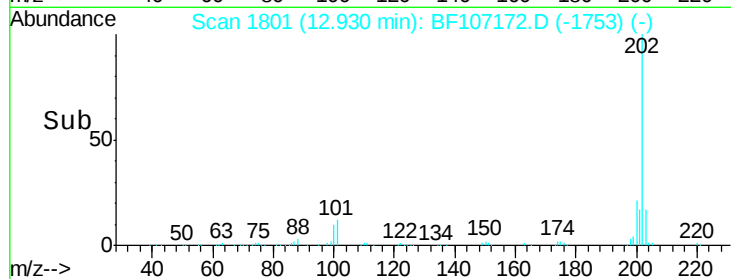
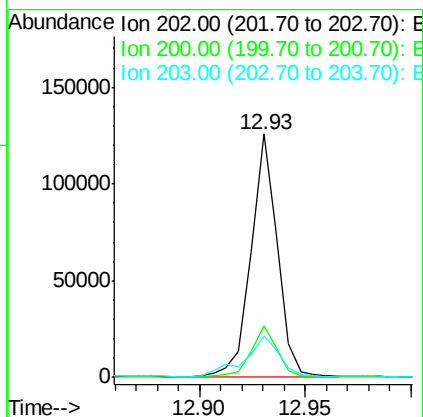
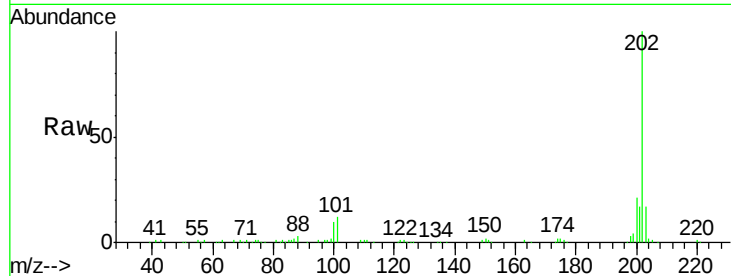




#77
 Pyrene
 Concen: 10.039 ng
 RT: 12.93 min Scan# 1801
 Delta R.T. -0.02 min
 Lab File: BF107172.D
 Acq: 6 Jul 2018 14:59

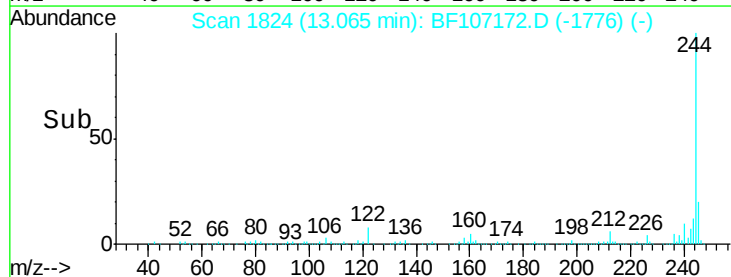
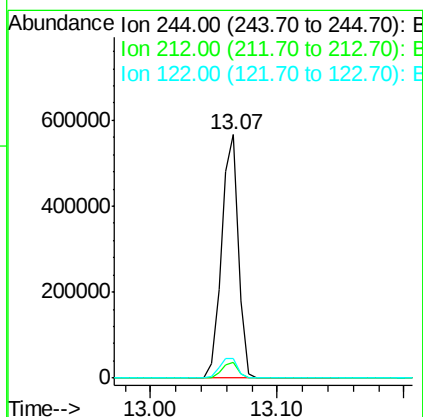
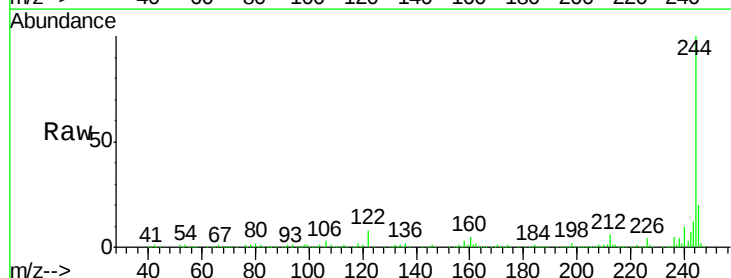
Instrument :
 BNA_F
 ClientSampleId :
 5002

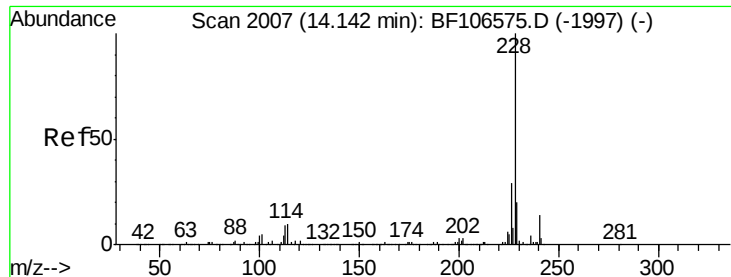
Tgt Ion: 202 Resp: 110463
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.4 26.2
 203 17.2 14.3 21.5



#78
 Terphenyl-d14
 Concen: 76.205 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107172.D
 Acq: 6 Jul 2018 14:59

Tgt Ion: 244 Resp: 524963
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 8.3 11.0 16.4#

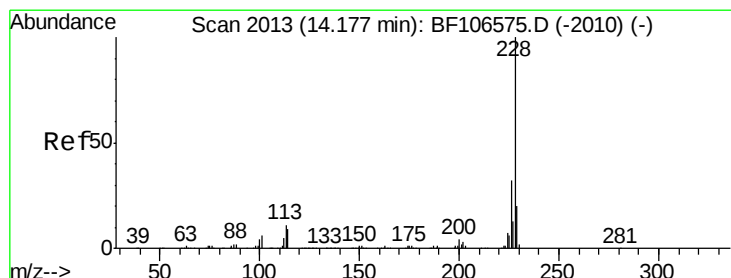
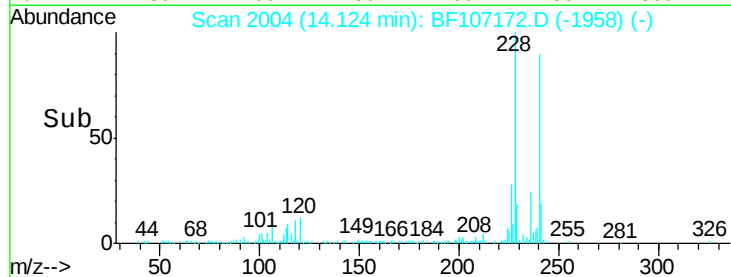
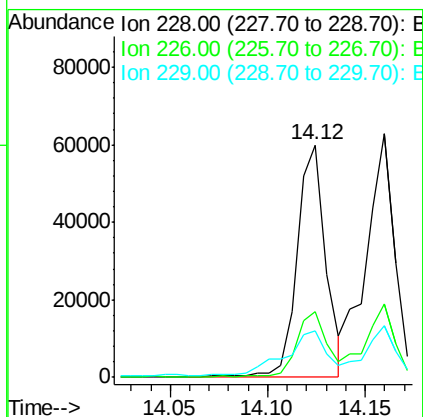
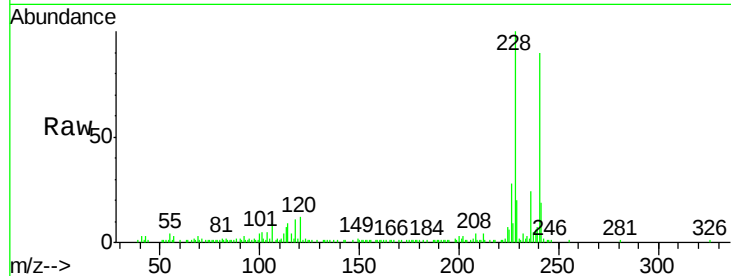




#80
Benzo(a)anthracene
Concen: 6.020 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.03 min
Lab File: BF107172.D
Acq: 6 Jul 2018 14:59

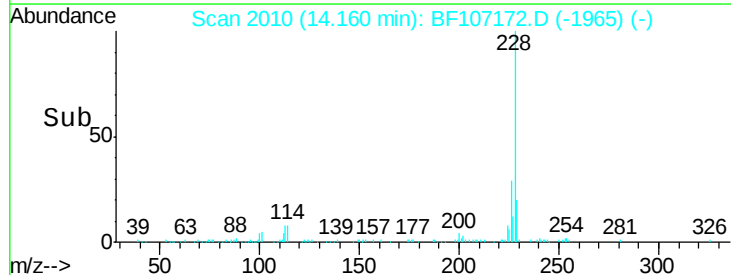
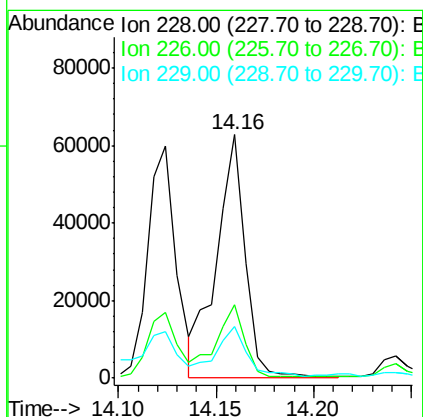
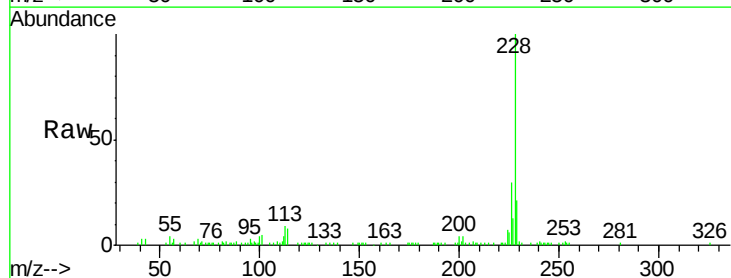
Instrument :
BNA_F
ClientSampleId :
5002

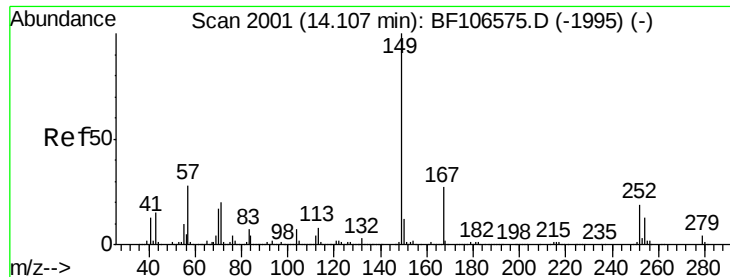
Tgt Ion:228 Resp: 61220
Ion Ratio Lower Upper
228 100
226 28.0 22.6 33.8
229 20.1 15.8 23.6



#82
Chrysene
Concen: 6.827 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.04 min
Lab File: BF107172.D
Acq: 6 Jul 2018 14:59

Tgt Ion:228 Resp: 63878
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 21.1 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 8.342 ng

RT: 14.08 min Scan# 1996

Delta R.T. -0.04 min

Lab File: BF107172.D

Acq: 6 Jul 2018 14:59

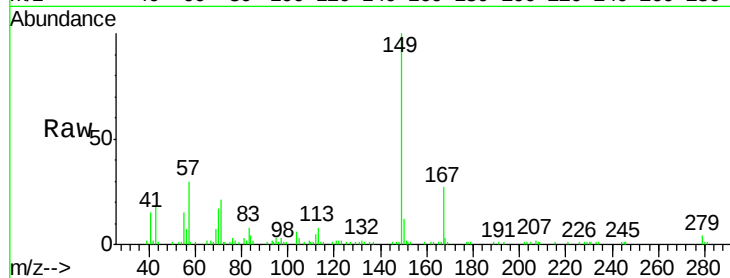
Instrument :

BNA_F

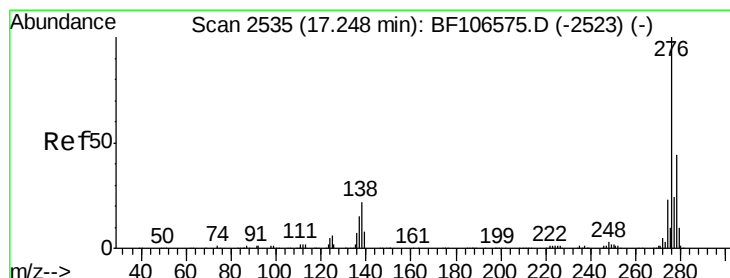
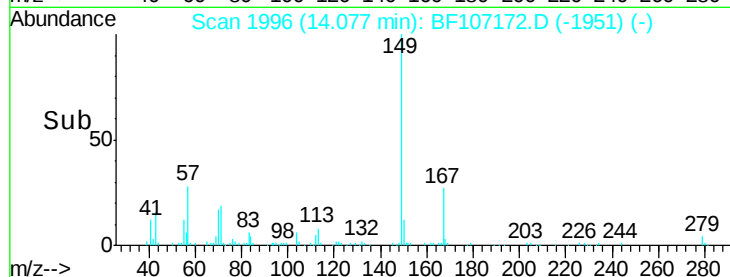
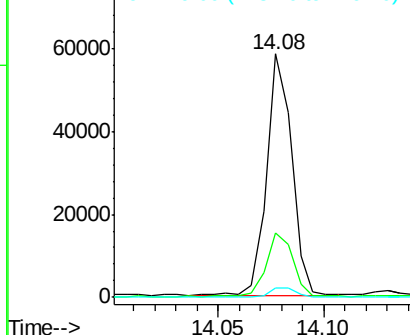
ClientSampleId :

5002

Tgt Ion:	149	Resp:	48250
Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.3	31.9
279	3.7	3.0	4.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.753 ng

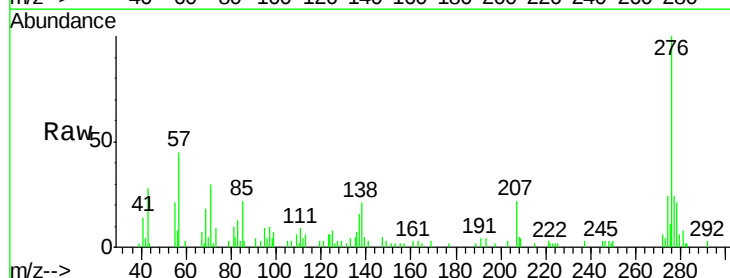
RT: 17.24 min Scan# 2534

Delta R.T. -0.06 min

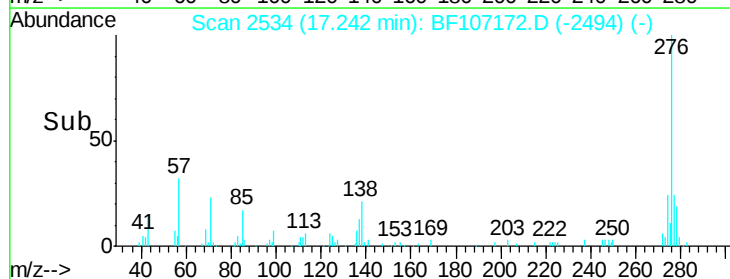
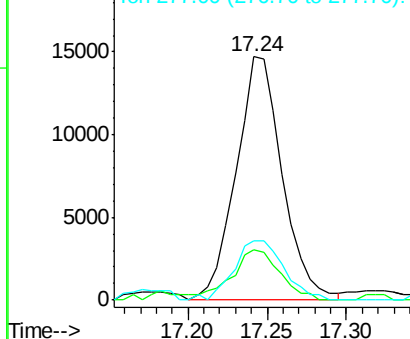
Lab File: BF107172.D

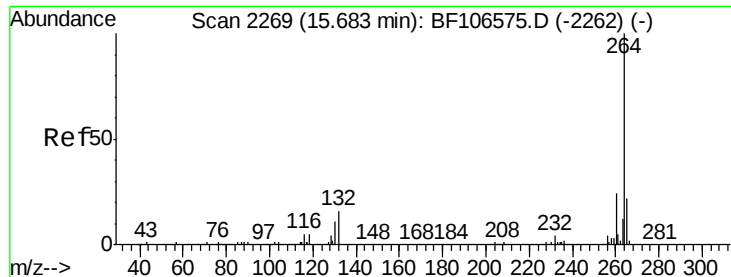
Acq: 6 Jul 2018 14:59

Tgt Ion:	276	Resp:	29799
Ion	Ratio	Lower	Upper
276	100		
138	21.7	25.0	37.6#
277	26.4	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: 15.67 min Scan# 2267

Delta R.T. -0.05 min

Lab File: BF107172.D

Acq: 6 Jul 2018 14:59

Instrument :

BNA_F

ClientSampleId :

5002

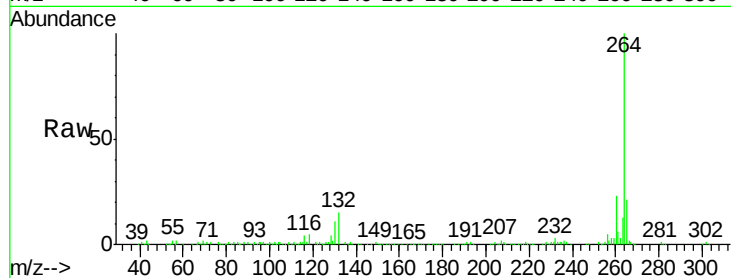
Tgt Ion:264 Resp: 177881

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

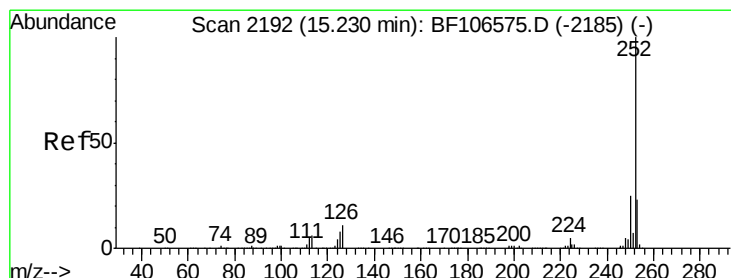
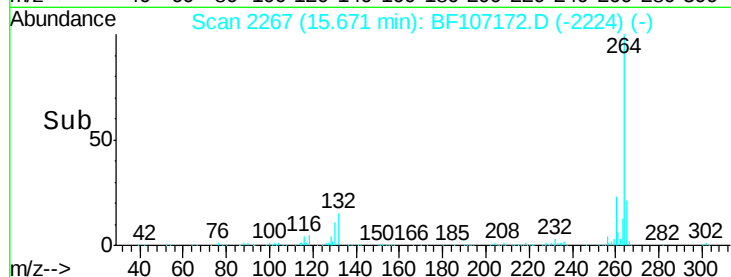
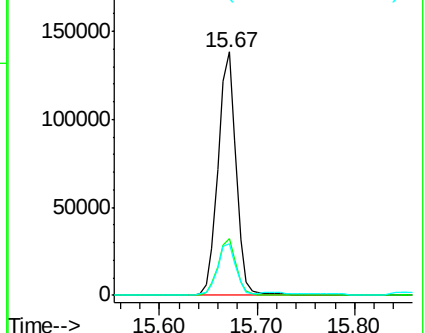
265 21.3 17.5 26.3



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: 10.122 ng

RT: 15.21 min Scan# 2189

Delta R.T. -0.05 min

Lab File: BF107172.D

Acq: 6 Jul 2018 14:59

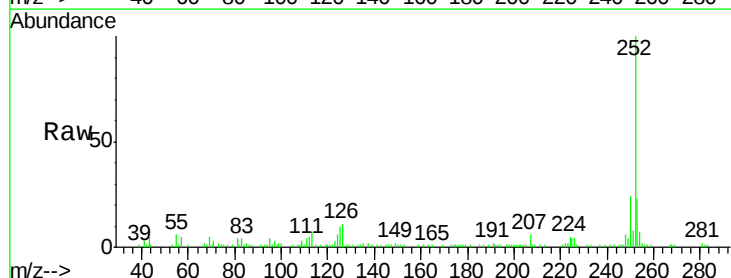
Tgt Ion:252 Resp: 111845

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

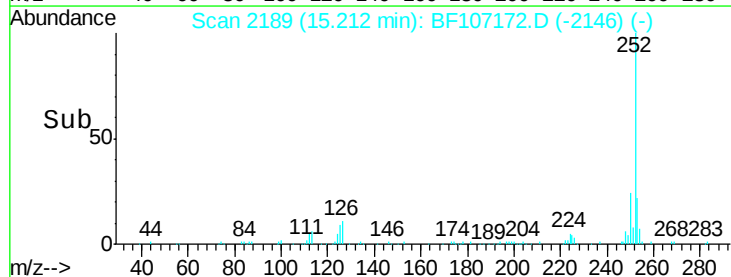
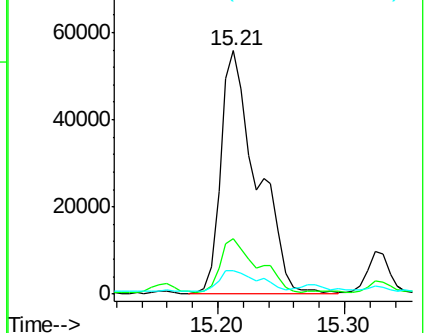
125 9.9 9.0 13.6

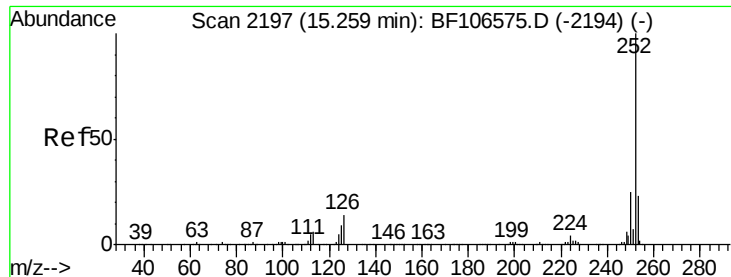


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

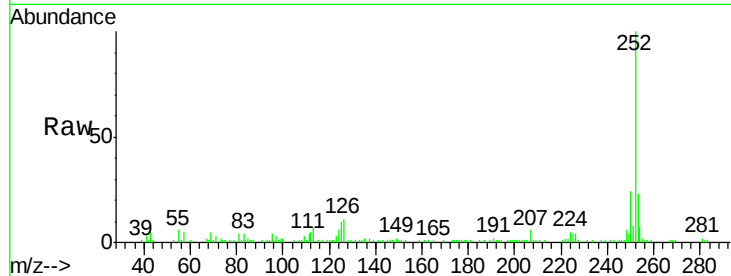




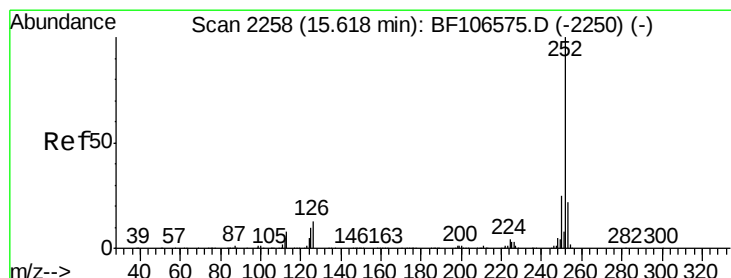
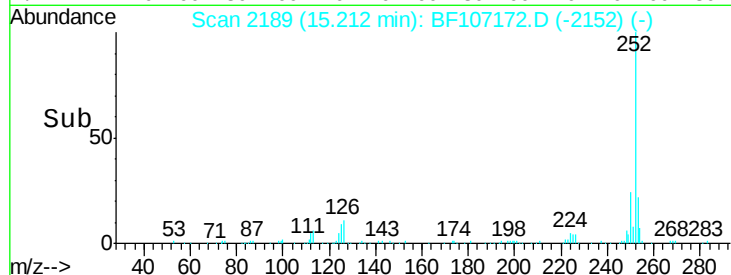
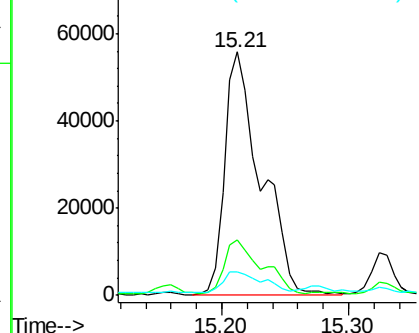
#88
Benzo(k)fluoranthene
Concen: 10.629 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.08 min
Lab File: BF107172.D
Acq: 6 Jul 2018 14:59

Instrument :
BNA_F
ClientSampleId :
5002

Tgt Ion:252 Resp: 111845
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 9.9 10.2 15.2#

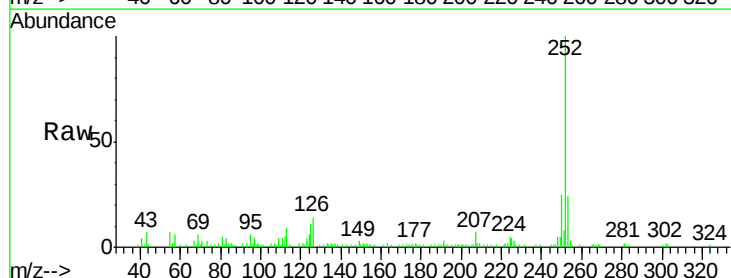


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

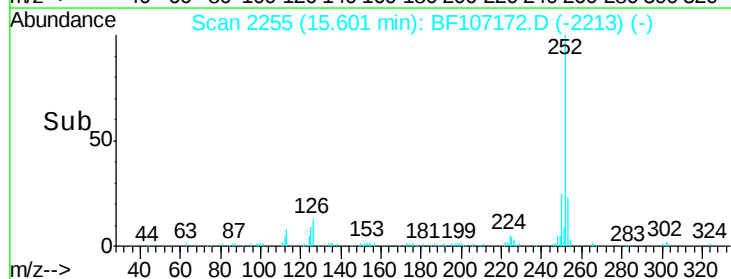
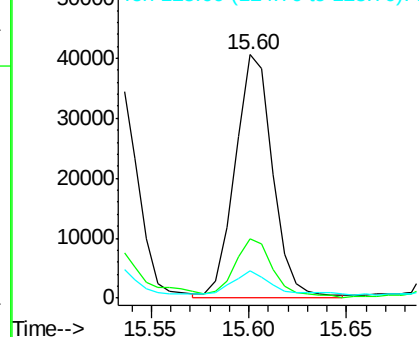


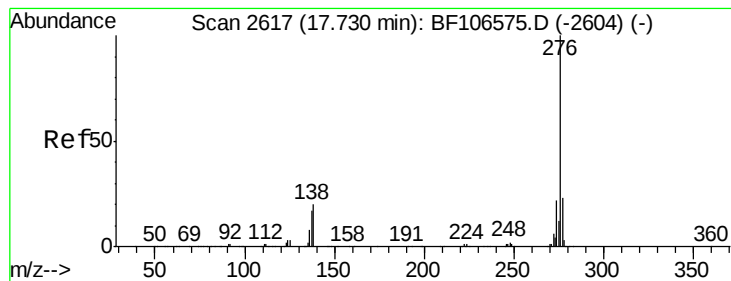
#89
Benzo(a)pyrene
Concen: 5.553 ng
RT: 15.60 min Scan# 2255
Delta R.T. -0.05 min
Lab File: BF107172.D
Acq: 6 Jul 2018 14:59

Tgt Ion:252 Resp: 54548
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 11.0 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: 3.366 ng

RT: 17.72 min Scan# 2616

Delta R.T. -0.06 min

Lab File: BF107172.D

Acq: 6 Jul 2018 14:59

Instrument :

BNA_F

ClientSampleId :

5002

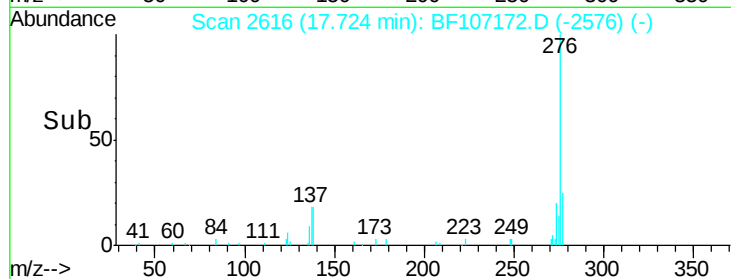
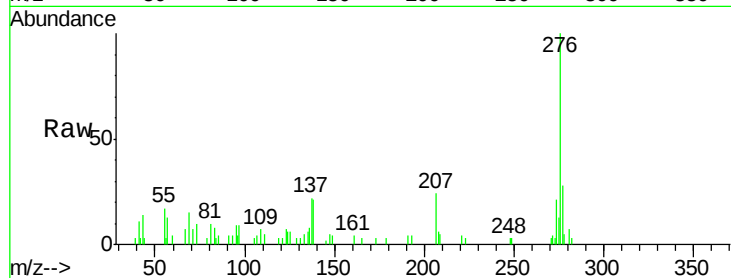
Tgt Ion: 276 Resp: 27392

Ion Ratio Lower Upper

276 100

277 28.0 17.9 26.9#

138 20.8 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

