

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
 Data File : BF107170.D
 Acq On : 6 Jul 2018 14:05
 Operator : JU/SJ
 Sample : J3815-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 964

Quant Time: Jul 06 14:34:04 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

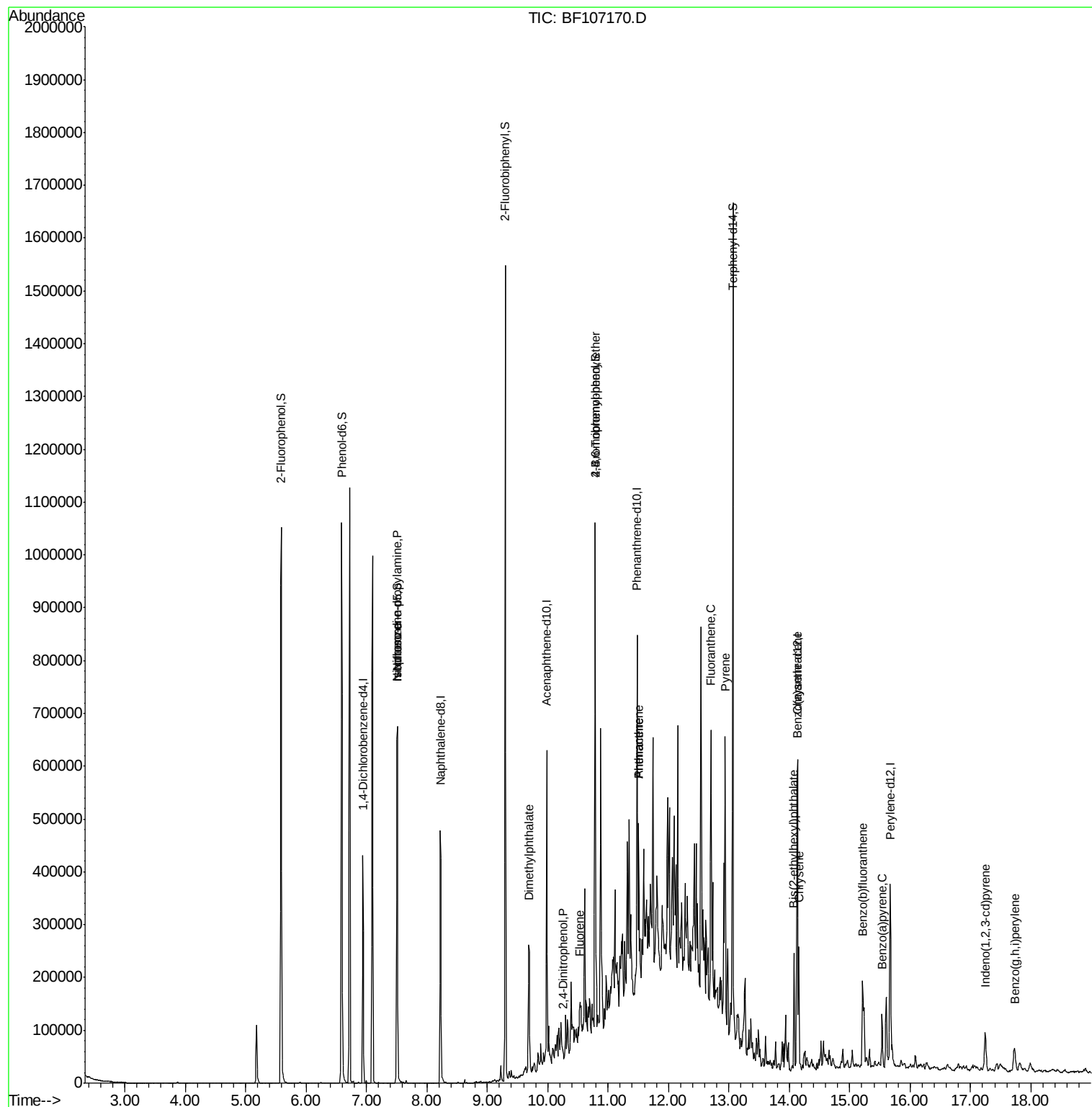
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	61731	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	244849	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	127331	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	251698	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	189049	20.00	ng	-0.03
86) Perylene-d12	15.67	264	180844	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	317180	87.00	ng	-0.01
7) Phenol-d6	6.59	99	400987	88.08	ng	-0.02
23) Nitrobenzene-d5	7.51	82	255006	57.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	144468	97.89	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	494212	61.64	ng	-0.02
78) Terphenyl-d14	13.07	244	592859	75.96	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	32649	10.880	ng	Qvalue # 73
25) Isophorone	7.51	82	255004	32.845	ng	# 64
49) Dimethylphthalate	9.70	163	92002	9.634	ng	# 98
53) 2,4-Dinitrophenol	10.27	184	432	5.736	ng	# 1
57) Fluorene	10.54	166	19685	2.281	ng	# 98
66) 4-Bromophenyl-phenylether	10.78	248	8700	2.896	ng	# 1
70) Phenanthrene	11.51	178	98622	8.124	ng	98
71) Anthracene	11.51	178	98622	7.959	ng	98
74) Fluoranthene	12.70	202	208014	15.546	ng	96
77) Pyrene	12.94	202	207047	16.608	ng	99
80) Benzo(a)anthracene	14.12	228	86836	7.537	ng	99
82) Chrysene	14.16	228	82919	7.822	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	61032	9.314	ng	97
85) Indeno(1,2,3-cd)pyrene	17.25	276	48427	5.383	ng	# 88
87) Benzo(b)fluoranthene	15.21	252	133802	11.911	ng	# 97
89) Benzo(a)pyrene	15.54	252	49376	4.944	ng	99
91) Benzo(g,h,i)perylene	17.73	276	45103	5.452	ng	# 91

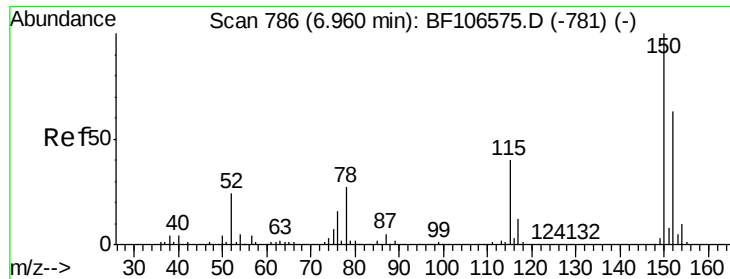
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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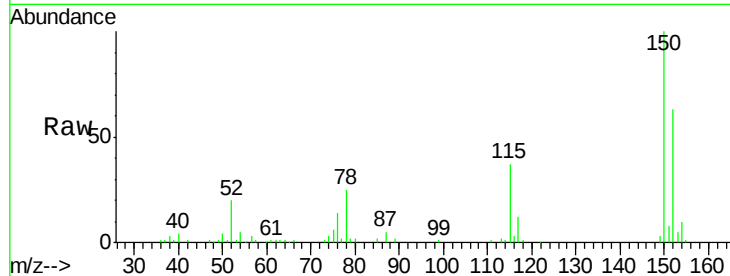


#1

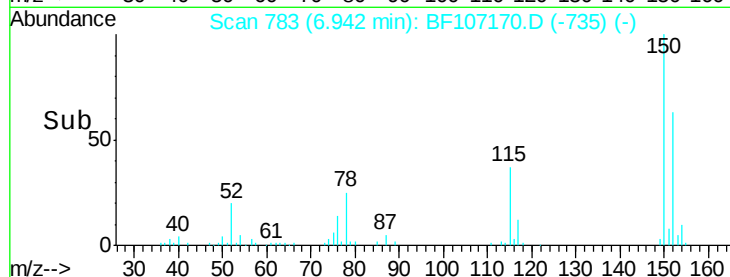
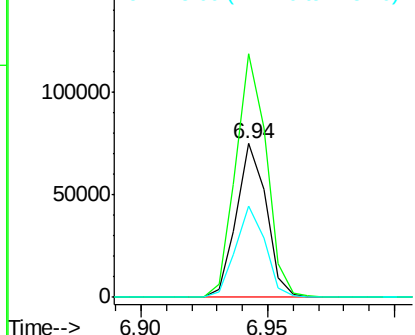
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107170.D
Acq: 6 Jul 2018 14:05

Instrument :
BNA_F
ClientSampleId :
964

Tgt Ion:152 Resp: 61731
Ion Ratio Lower Upper
152 100
150 158.5 124.6 186.8
115 59.2 50.1 75.1



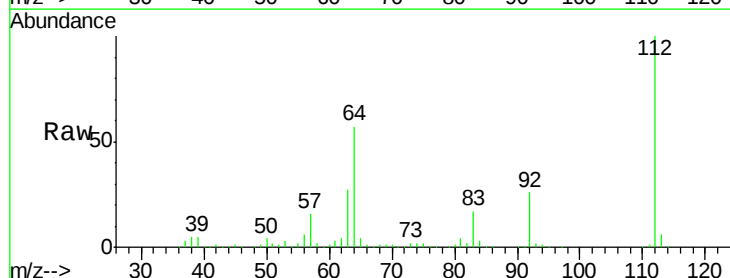
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



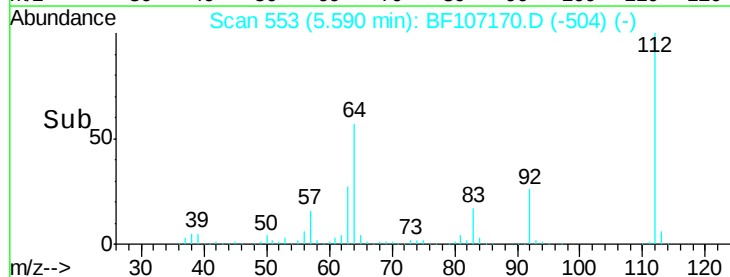
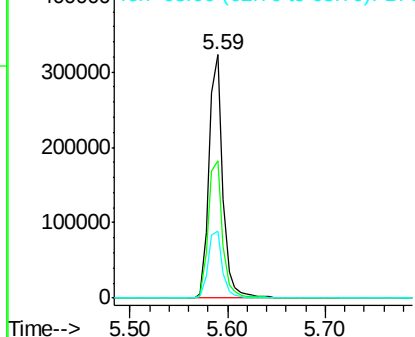
#5

2-Fluorophenol
Concen: 87.004 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107170.D
Acq: 6 Jul 2018 14:05

Tgt Ion:112 Resp: 317180
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 27.4 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: 88.079 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107170.D

Acq: 6 Jul 2018 14:05

Instrument :

BNA_F

ClientSampled :

964

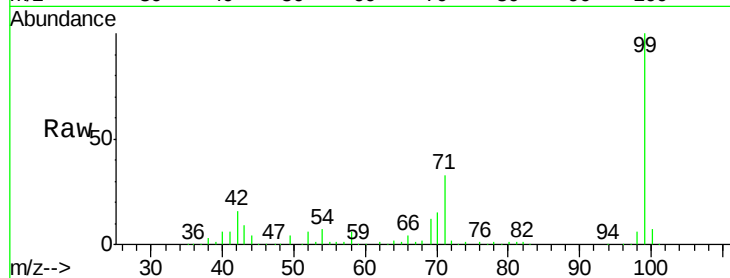
Tgt Ion: 99 Resp: 400987

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

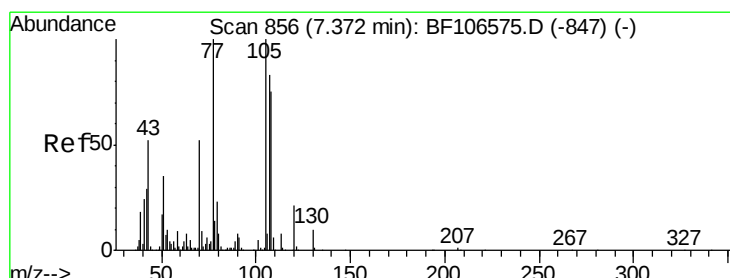
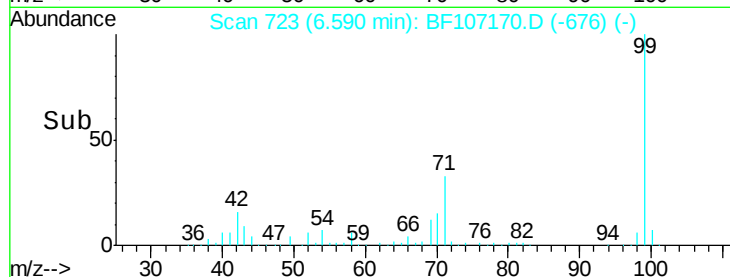
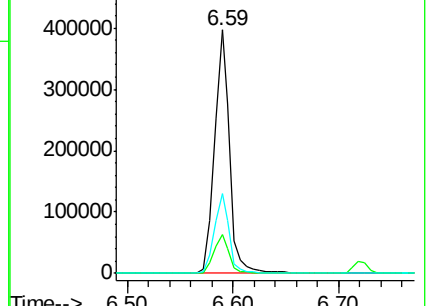
71 33.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.880 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107170.D

Acq: 6 Jul 2018 14:05

Tgt Ion: 70 Resp: 32649

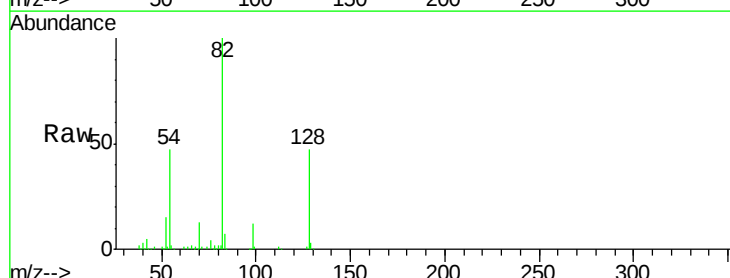
Ion Ratio Lower Upper

70 100

42 42.0 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

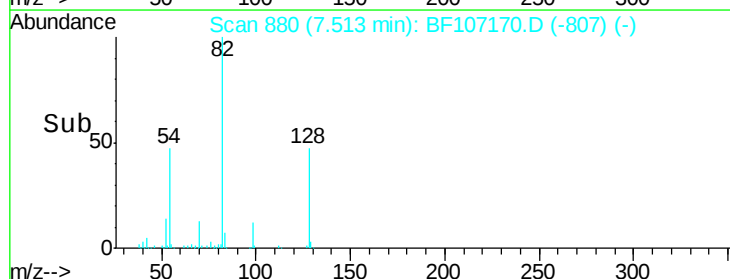
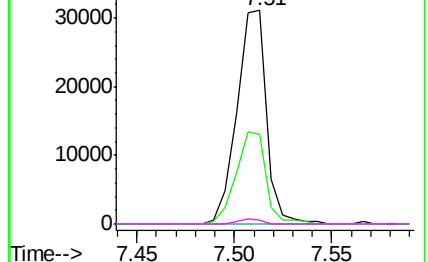


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

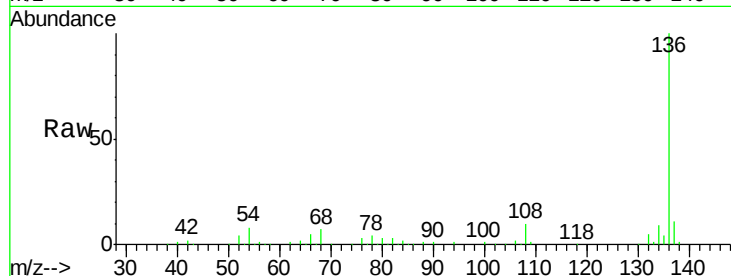




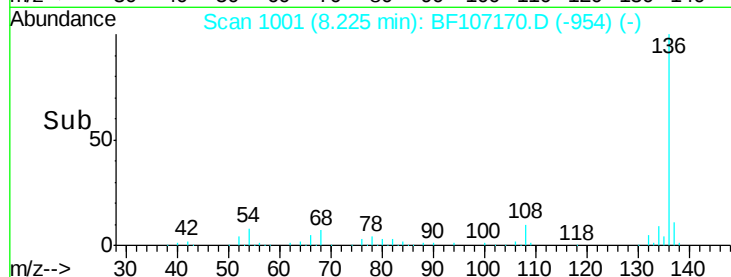
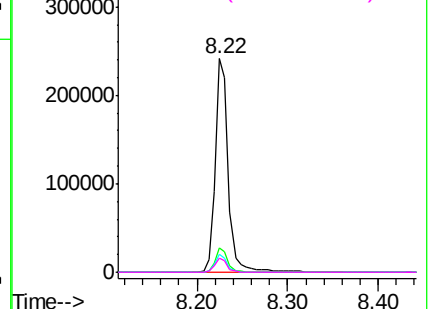
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF107170.D
Acq: 6 Jul 2018 14:05

Instrument :
BNA_F
ClientSampleId :
964

Tgt Ion:	136	Resp:	244849
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.2	6.6	9.8
68	6.7	5.0	7.4

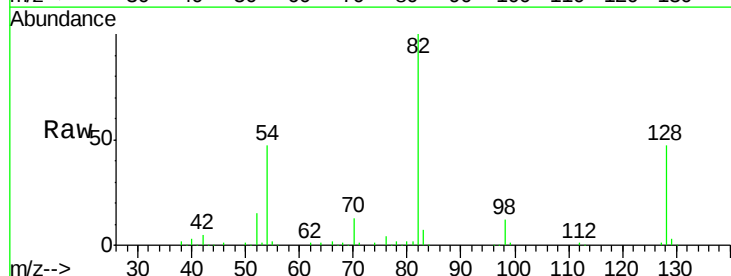


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

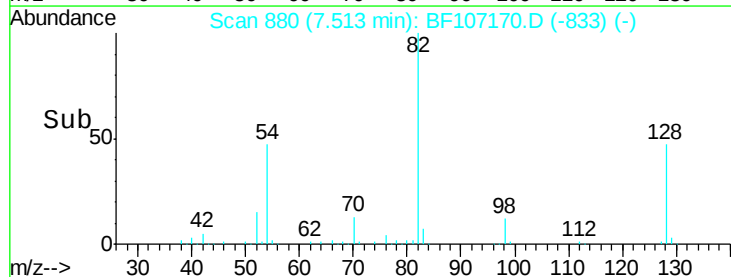
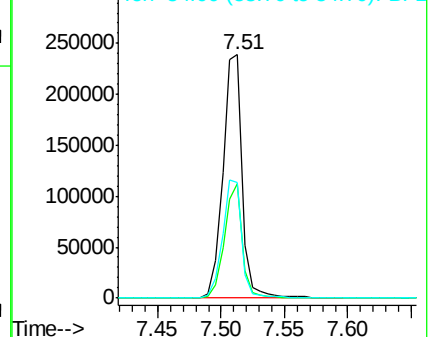


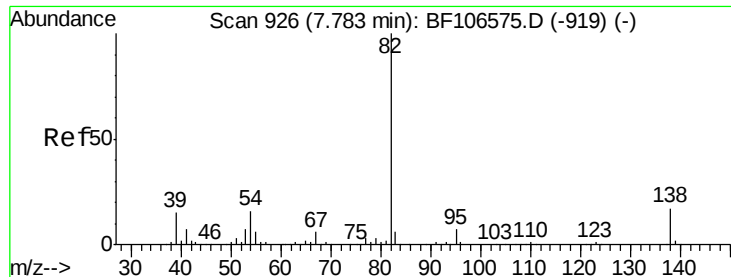
#23
Nitrobenzene-d5
Concen: 57.879 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107170.D
Acq: 6 Jul 2018 14:05

Tgt Ion:	82	Resp:	255006
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	47.5	41.4	62.2



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





#25

Isophorone

Concen: 32.845 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107170.D

Acq: 6 Jul 2018 14:05

Instrument :

BNA_F

ClientSampleId :

964

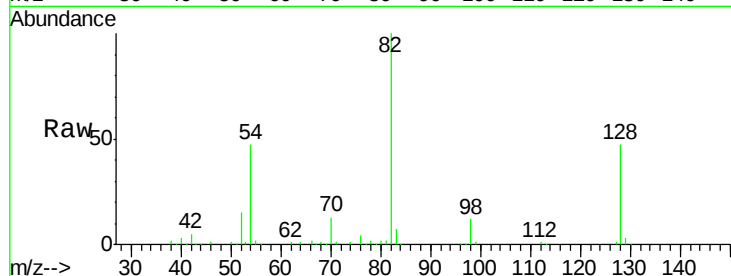
Tgt Ion: 82 Resp: 255004

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

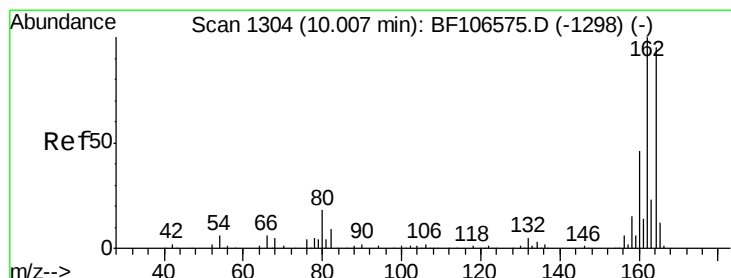
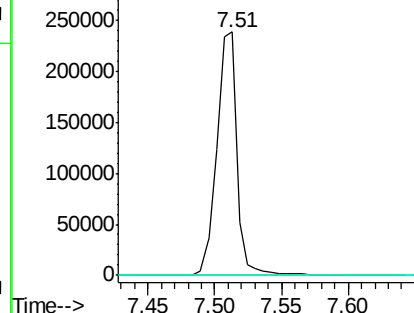
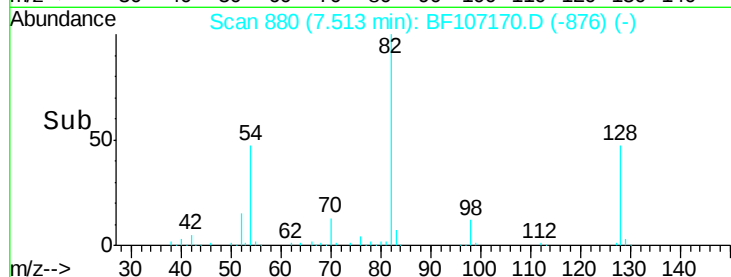
138 0.0 14.9 22.3#



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# 1301

Delta R.T. -0.02 min

Lab File: BF107170.D

Acq: 6 Jul 2018 14:05

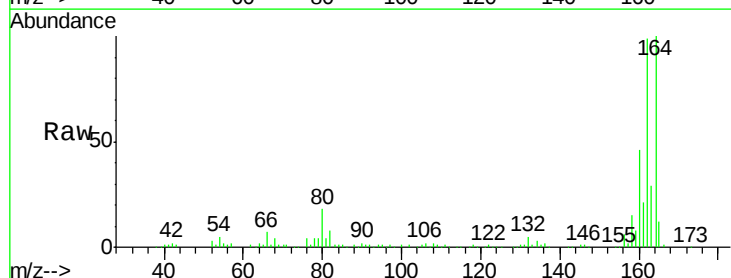
Tgt Ion: 164 Resp: 127331

Ion Ratio Lower Upper

164 100

162 99.5 86.1 129.1

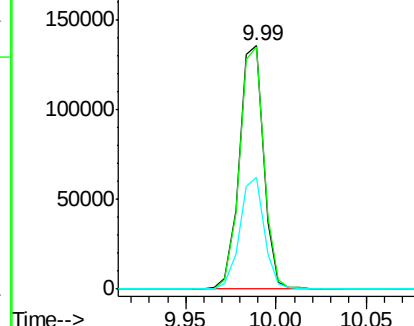
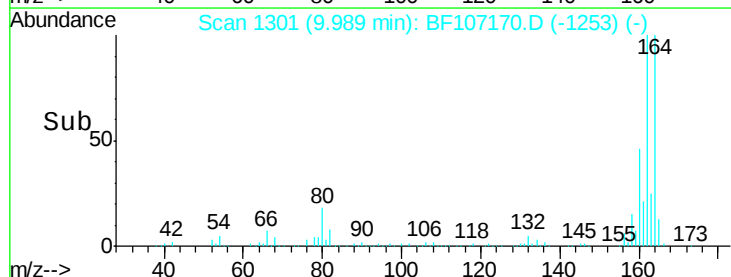
160 45.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

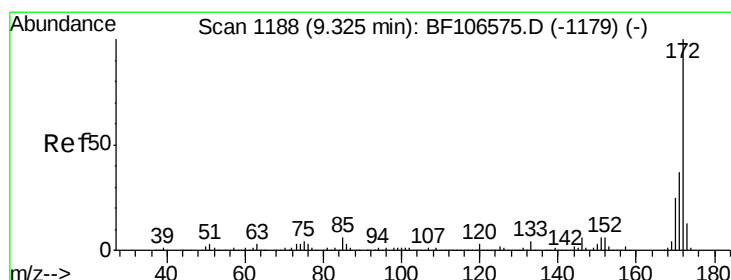
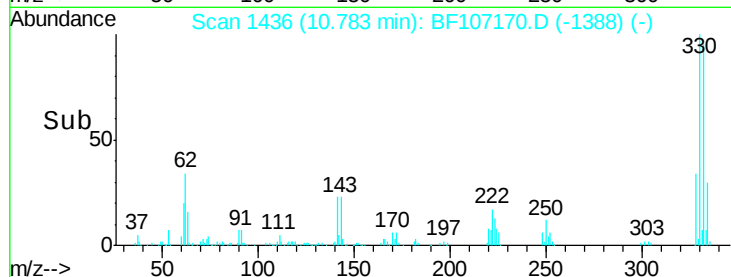
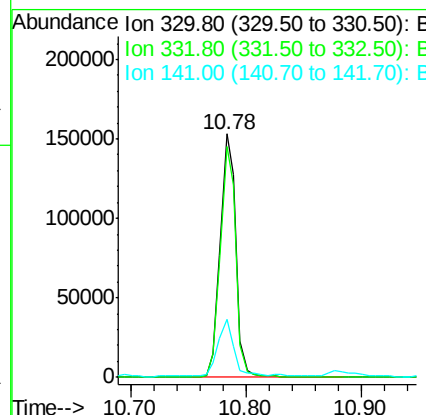
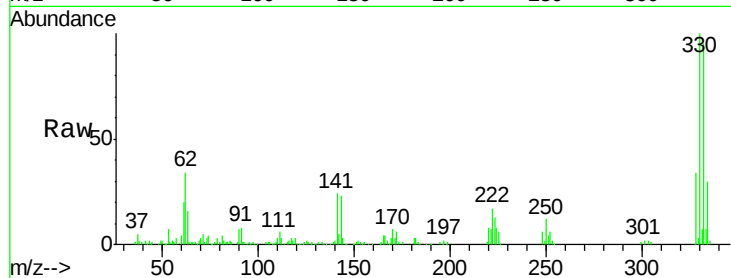




#41
 2,4,6-Tribromophenol
 Concen: 97.891 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107170.D
 Acq: 6 Jul 2018 14:05

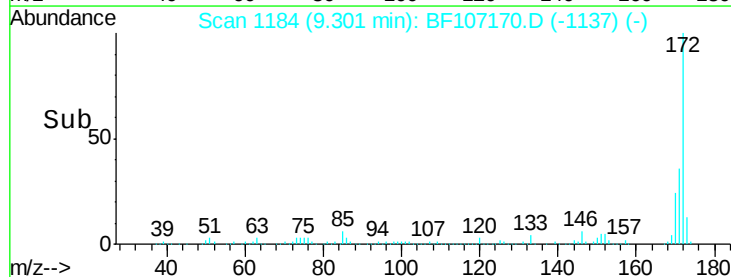
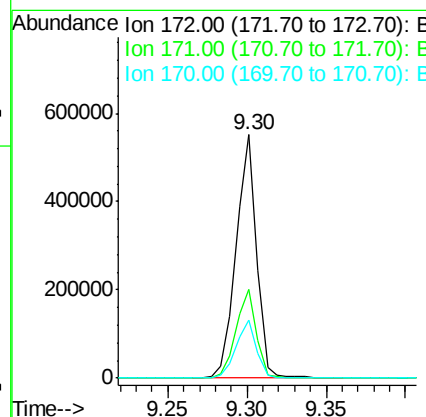
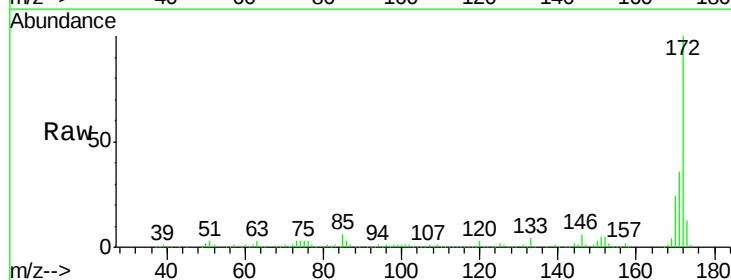
Instrument :
 BNA_F
 ClientSampleId :
 964

Tgt Ion:330 Resp: 144468
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 24.9 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 61.643 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107170.D
 Acq: 6 Jul 2018 14:05

Tgt Ion:172 Resp: 494212
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.1 19.6 29.4

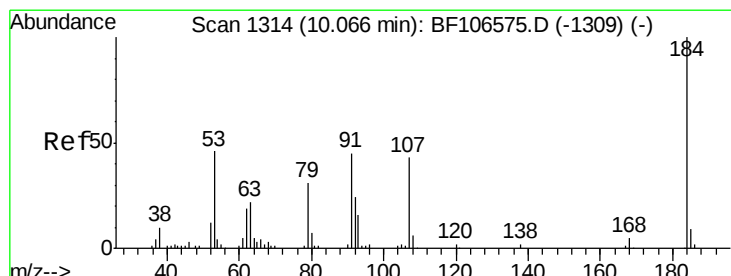
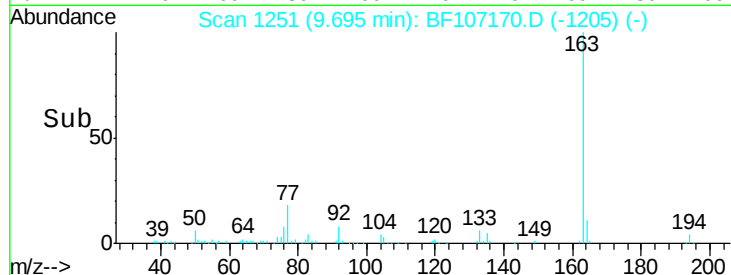
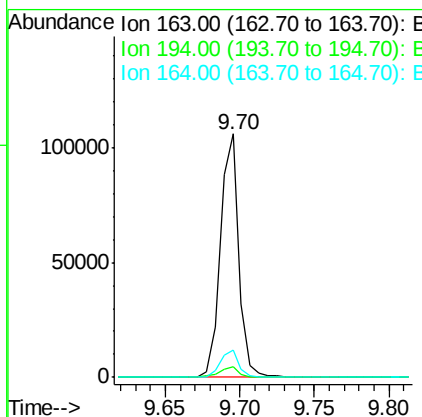
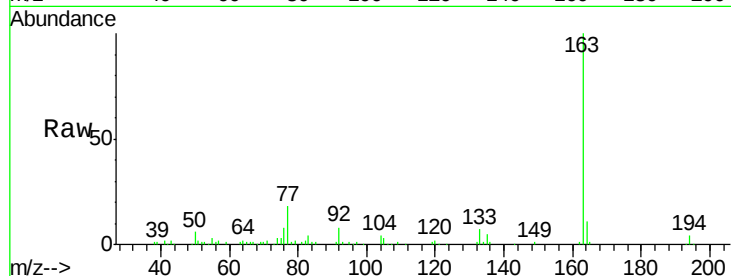




#49
Dimethylphthalate
Concen: 9.634 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107170.D
Acq: 6 Jul 2018 14:05

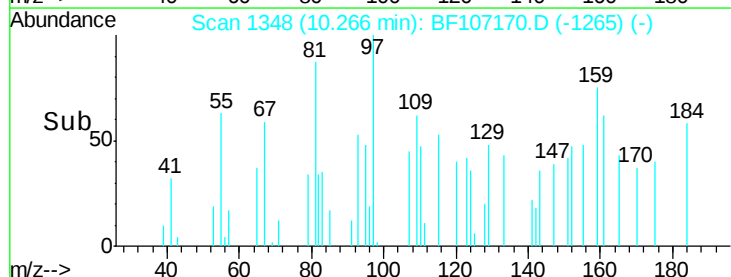
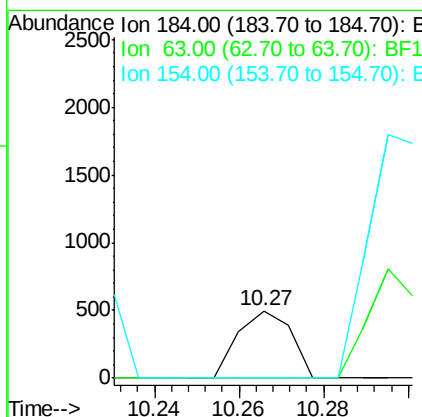
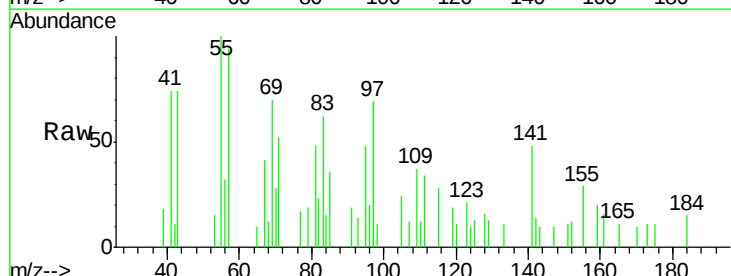
Instrument :
BNA_F
ClientSampleId :
964

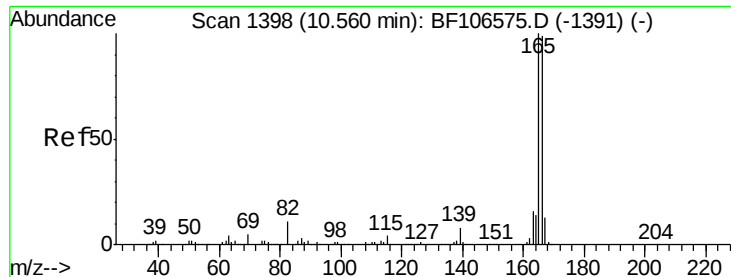
Tgt Ion:163 Resp: 92002
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 11.1 8.2 12.2



#53
2,4-Dinitrophenol
Concen: 5.736 ng
RT: 10.27 min Scan# 1348
Delta R.T. 0.19 min
Lab File: BF107170.D
Acq: 6 Jul 2018 14:05

Tgt Ion:184 Resp: 432
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 184.0 276.0#

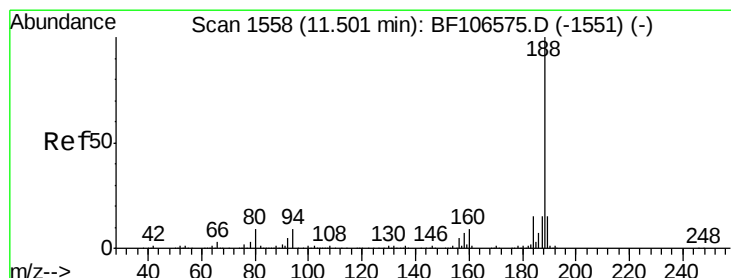
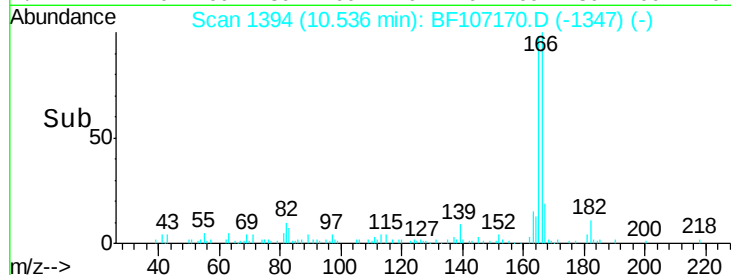
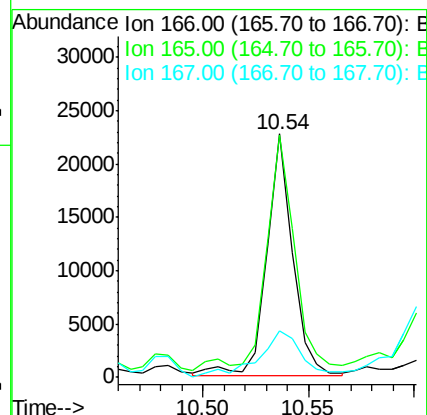
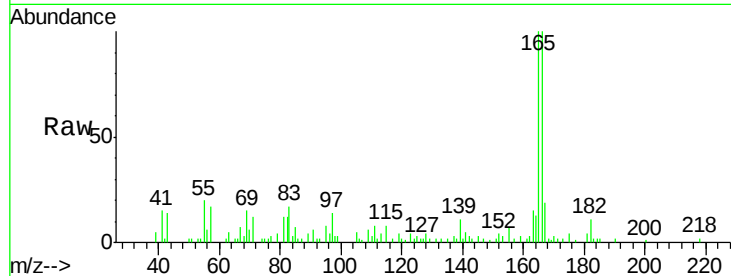




#57
 Fluorene
 Concen: 2.281 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.02 min
 Lab File: BF107170.D
 Acq: 6 Jul 2018 14:05

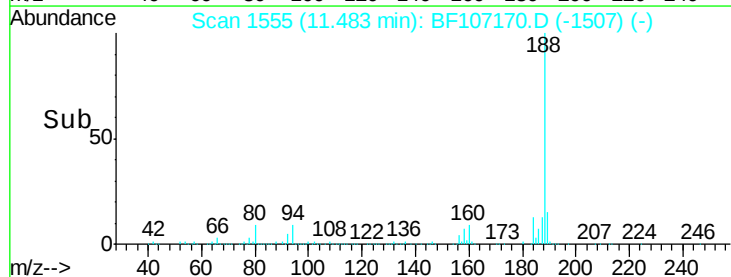
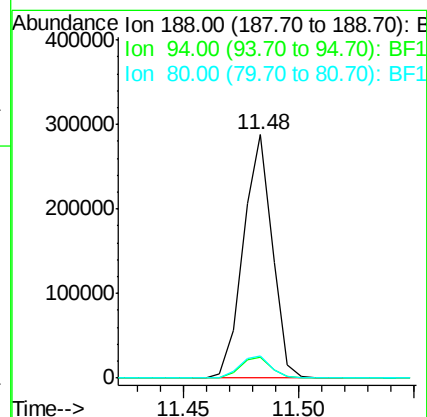
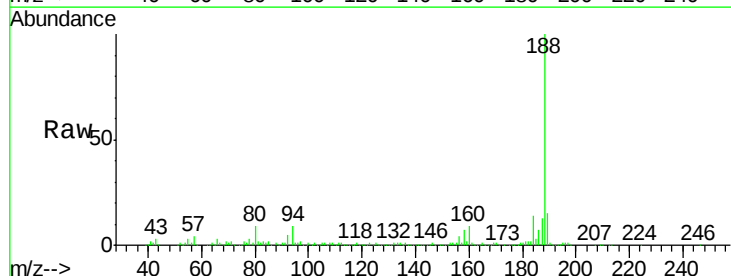
Instrument :
 BNA_F
 ClientSampleId :
 964

Tgt Ion:166 Resp: 19685
 Ion Ratio Lower Upper
 166 100
 165 99.5 79.8 119.8
 167 18.9 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF107170.D
 Acq: 6 Jul 2018 14:05

Tgt Ion:188 Resp: 251698
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.5 12.7
 80 9.3 9.2 13.8

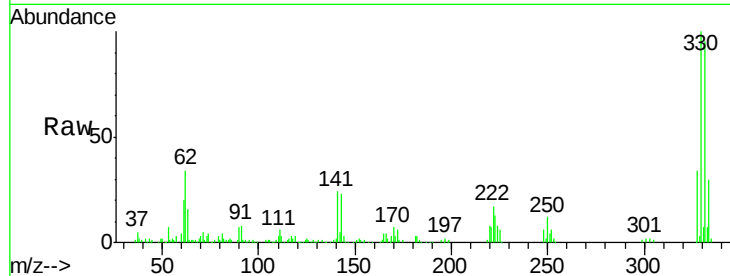




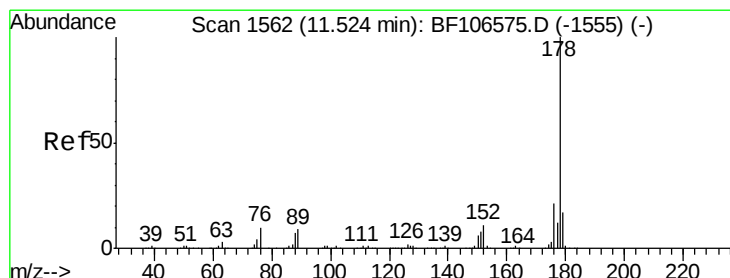
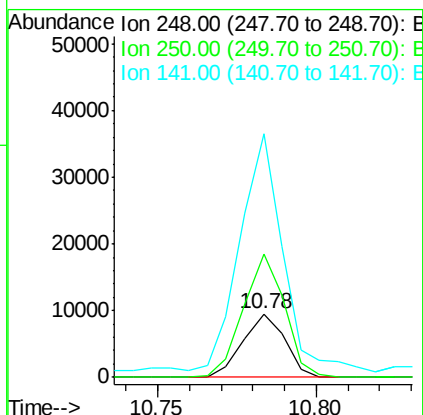
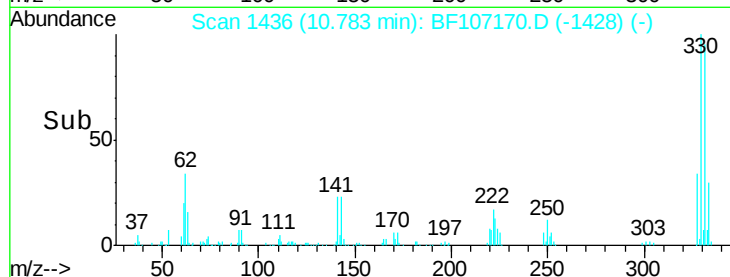
#66
 4-Bromophenyl-phenylether
 Concen: 2.896 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: BF107170.D
 Acq: 6 Jul 2018 14:05

Instrument :
 BNA_F
 ClientSampleId :
 964

Tgt Ion:248 Resp: 8700
 Ion Ratio Lower Upper
 248 100
 250 194.1 76.9 115.3#
 141 383.8 74.4 111.6#

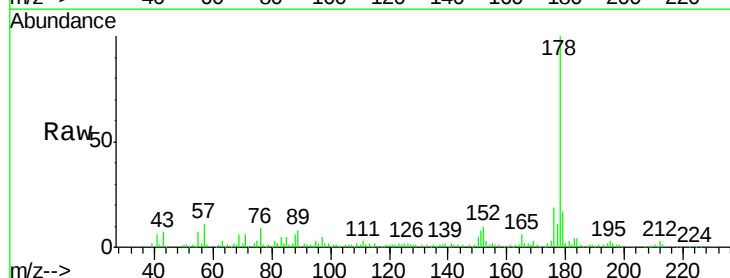


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

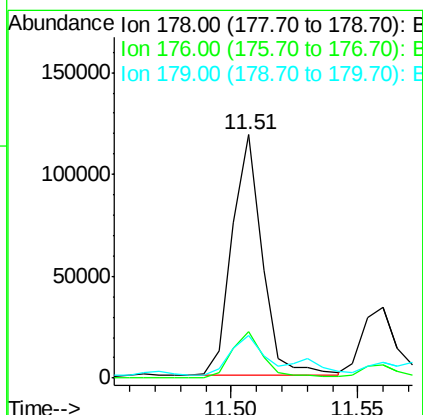
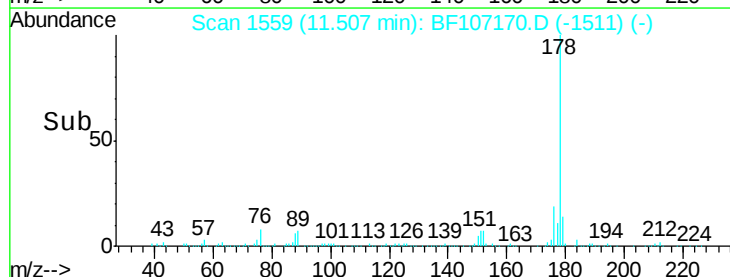


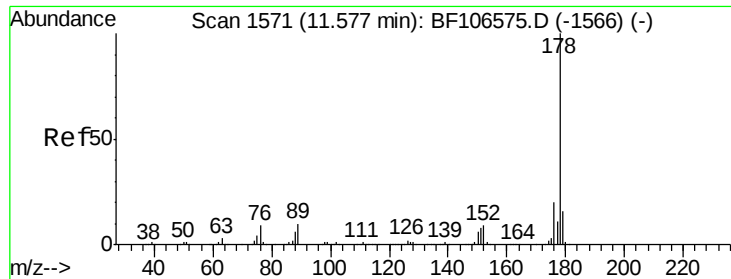
#70
 Phenanthrene
 Concen: 8.124 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF107170.D
 Acq: 6 Jul 2018 14:05

Tgt Ion:178 Resp: 98622
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 17.3 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

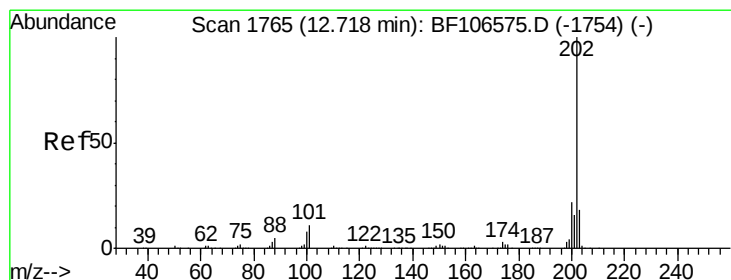
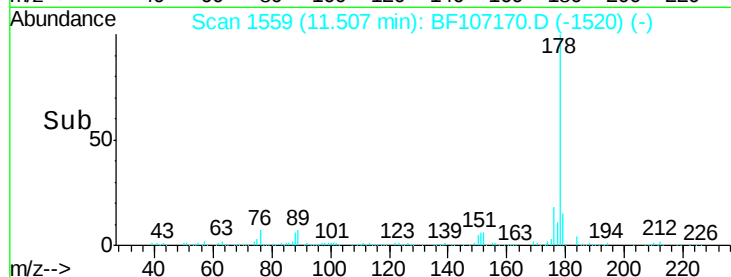
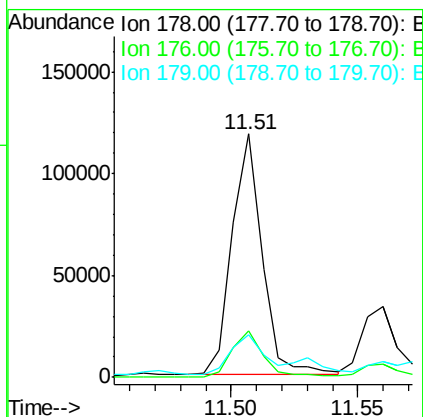
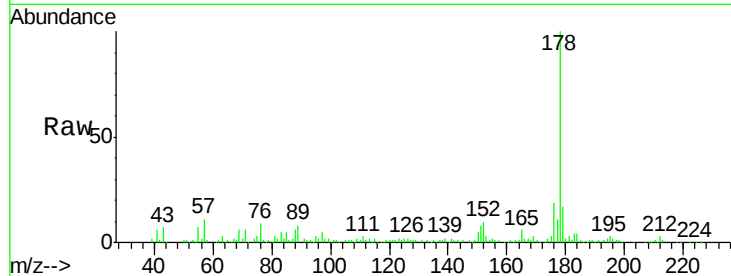




#71
 Anthracene
 Concen: 7.959 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.07 min
 Lab File: BF107170.D
 Acq: 6 Jul 2018 14:05

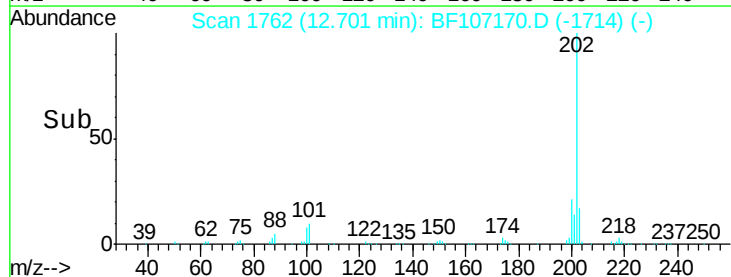
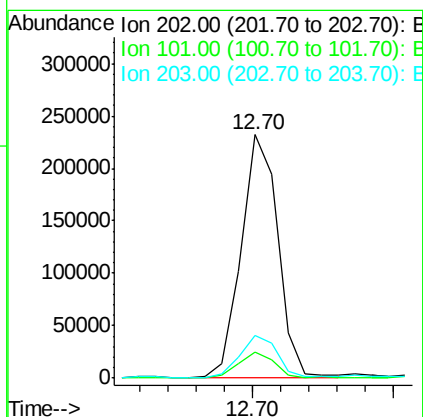
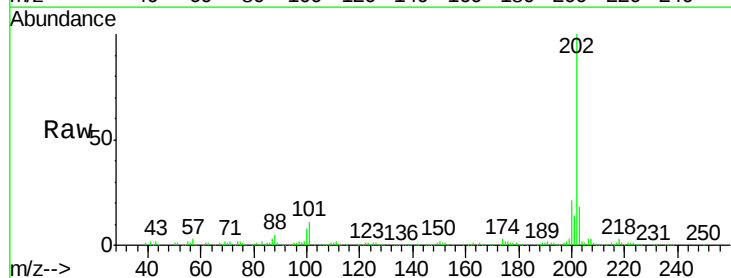
Instrument :
 BNA_F
 ClientSampleId :
 964

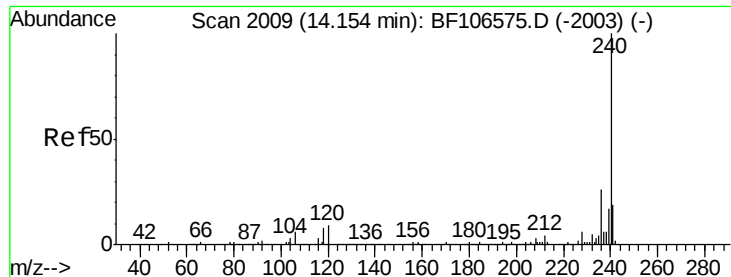
Tgt Ion:178 Resp: 98622
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 17.3 12.6 19.0



#74
 Fluoranthene
 Concen: 15.546 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107170.D
 Acq: 6 Jul 2018 14:05

Tgt Ion:202 Resp: 208014
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 34.1
 203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF107170.D

Acq: 6 Jul 2018 14:05

Instrument :

BNA_F

ClientSampleId :

964

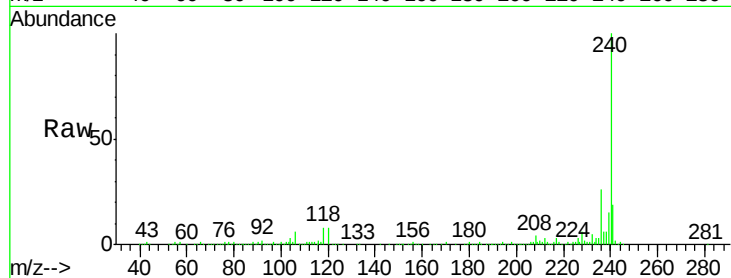
Tgt Ion:240 Resp: 189049

Ion Ratio Lower Upper

240 100

120 8.4 9.5 14.3#

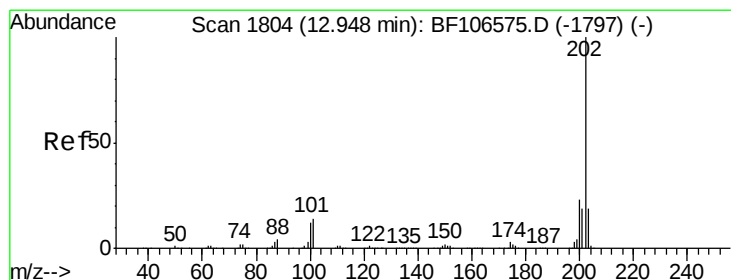
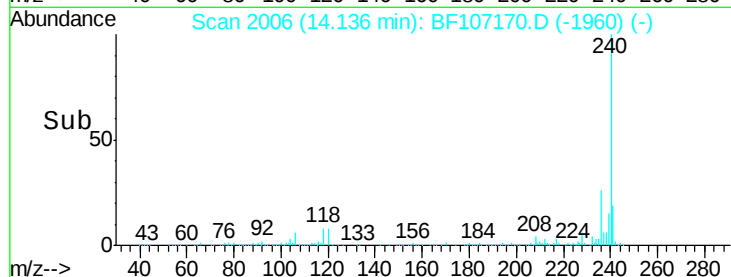
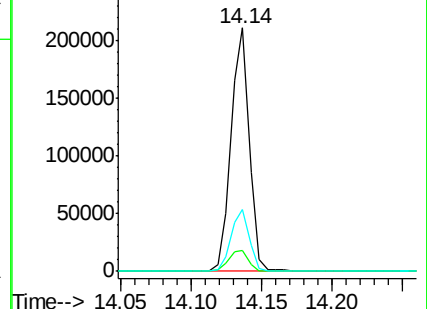
236 25.7 20.7 31.1



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

Pyrene

Concen: 16.608 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107170.D

Acq: 6 Jul 2018 14:05

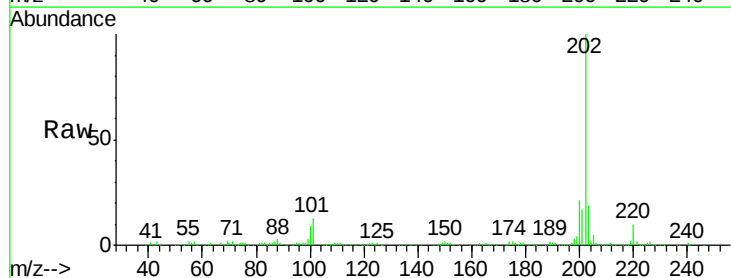
Tgt Ion:202 Resp: 207047

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

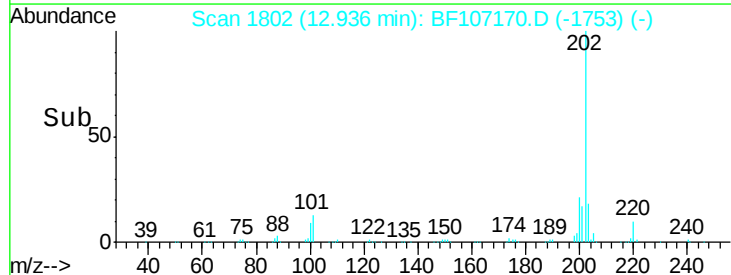
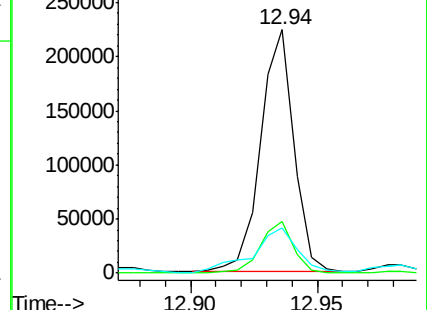
203 18.7 14.3 21.5

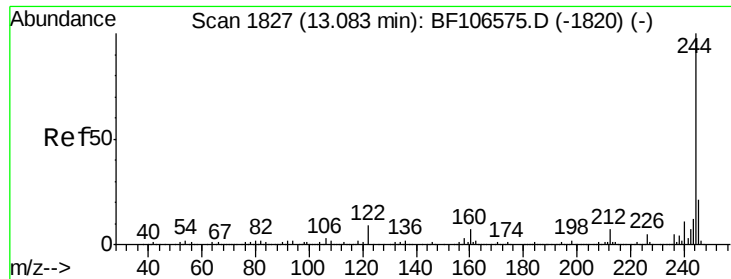


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

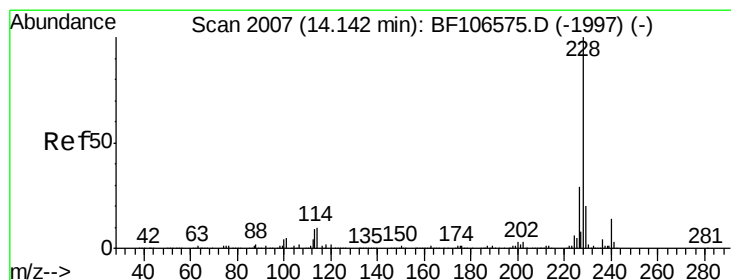
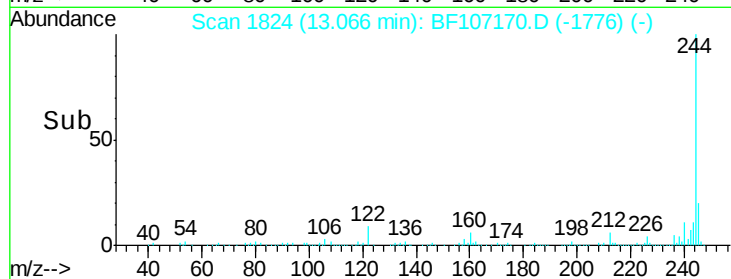
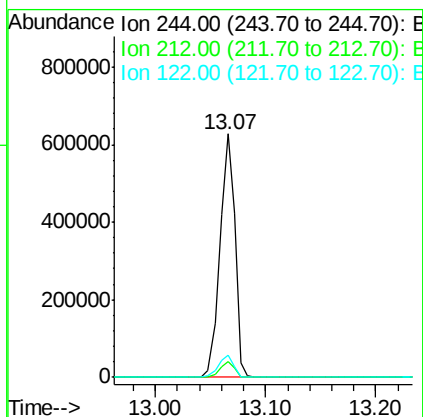
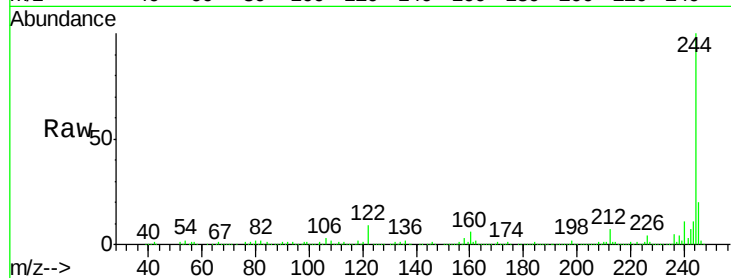




#78
 Terphenyl-d14
 Concen: 75.963 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107170.D
 Acq: 6 Jul 2018 14:05

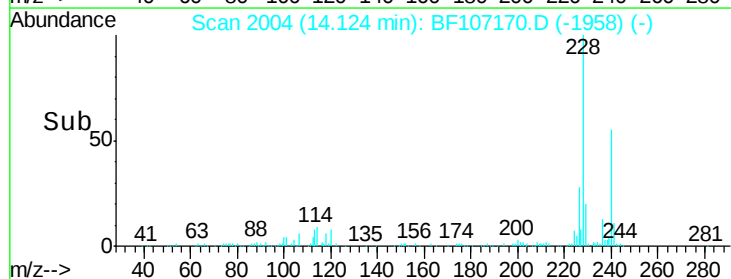
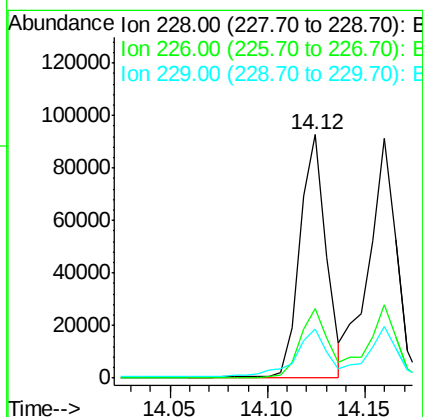
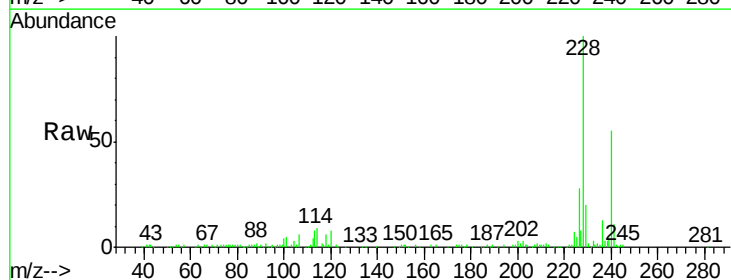
Instrument :
 BNA_F
 ClientSampleId :
 964

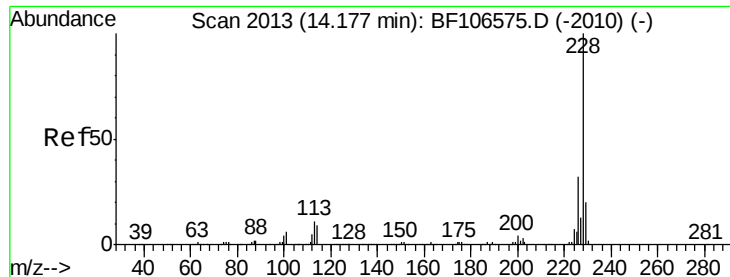
Tgt Ion:244 Resp: 592859
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 7.537 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.03 min
 Lab File: BF107170.D
 Acq: 6 Jul 2018 14:05

Tgt Ion:228 Resp: 86836
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.6 33.8
 229 20.3 15.8 23.6





#82

Chrysene

Concen: 7.822 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.04 min

Lab File: BF107170.D

Acq: 6 Jul 2018 14:05

Instrument :

BNA_F

ClientSampleId :

964

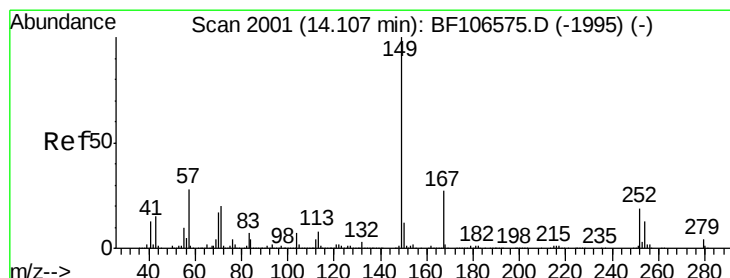
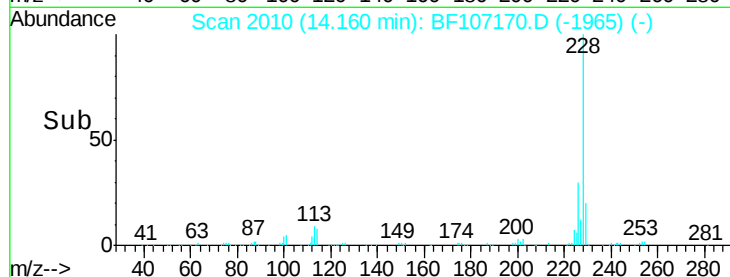
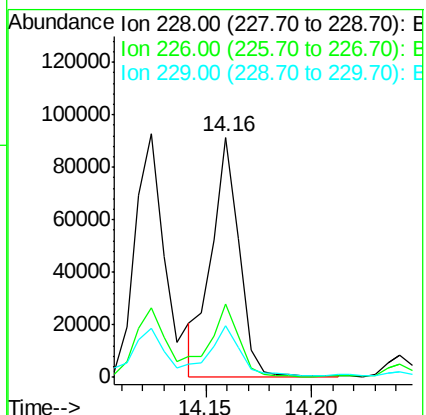
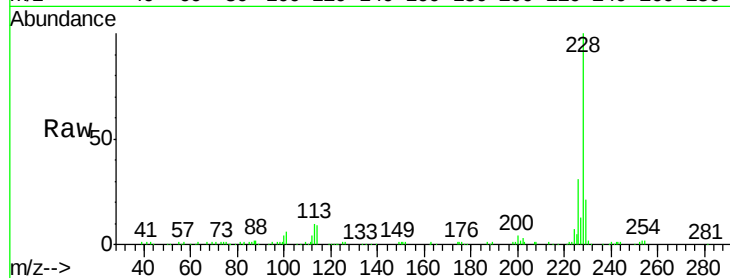
Tgt Ion: 228 Resp: 82919

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

229 21.4 16.2 24.4



#83

Bis(2-ethylhexyl)phthalate

Concen: 9.314 ng

RT: 14.08 min Scan# 1996

Delta R.T. -0.04 min

Lab File: BF107170.D

Acq: 6 Jul 2018 14:05

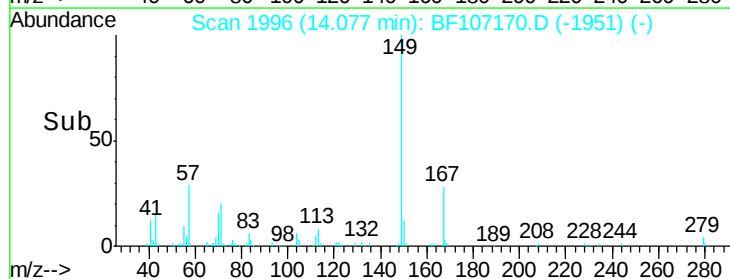
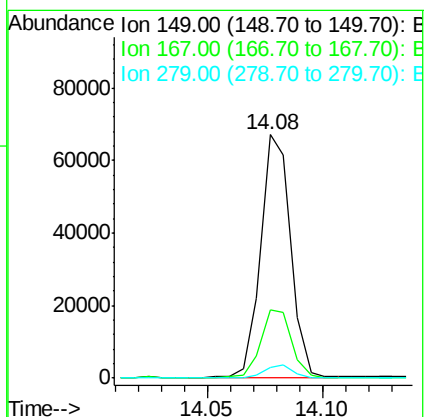
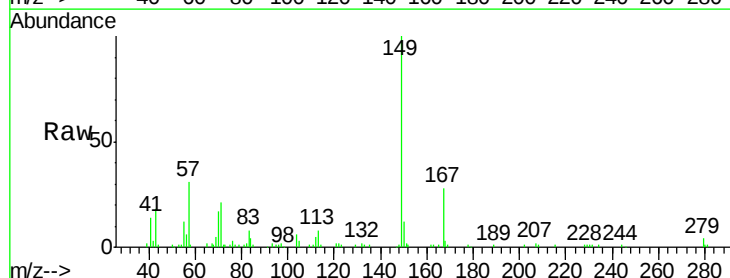
Tgt Ion: 149 Resp: 61032

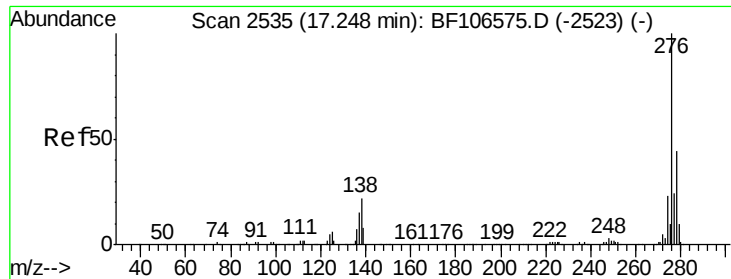
Ion Ratio Lower Upper

149 100

167 28.1 21.3 31.9

279 4.2 3.0 4.4

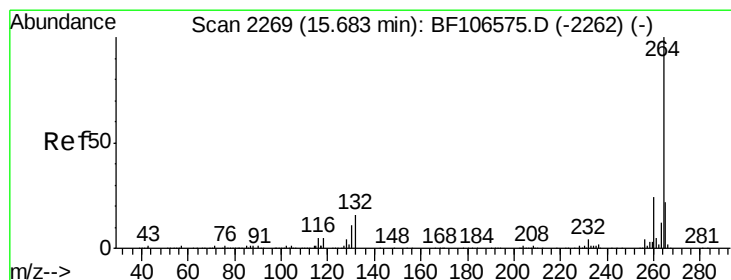
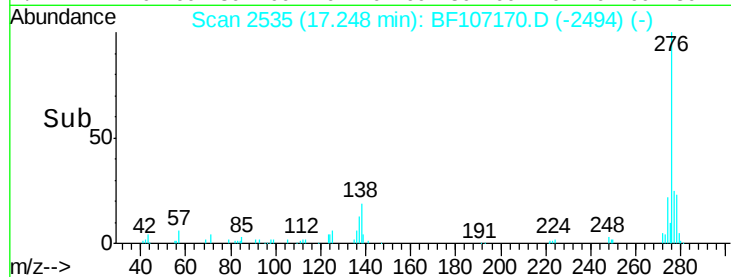
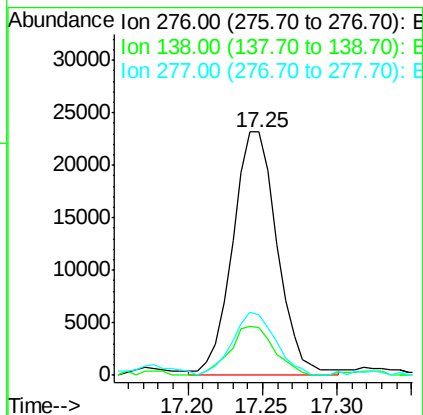
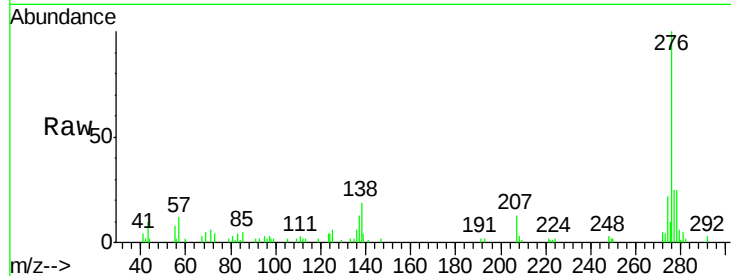




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.383 ng
 RT: 17.25 min Scan# 2535
 Delta R.T. -0.06 min
 Lab File: BF107170.D
 Acq: 6 Jul 2018 14:05

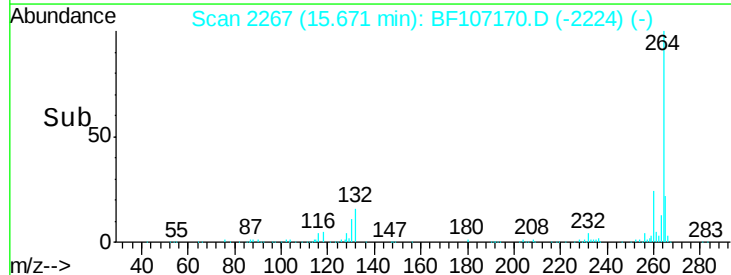
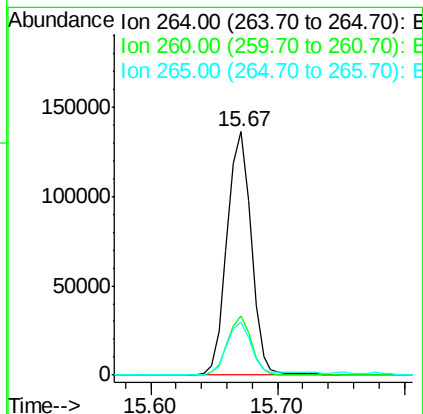
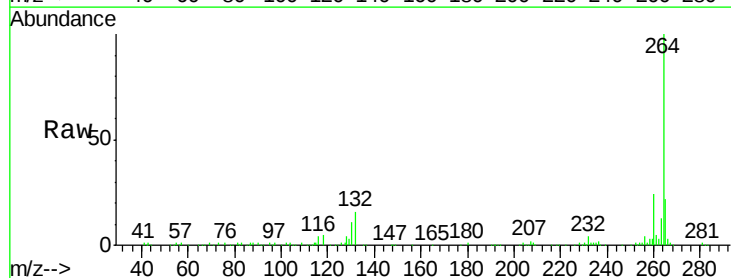
Instrument :
 BNA_F
 ClientSampleId :
 964

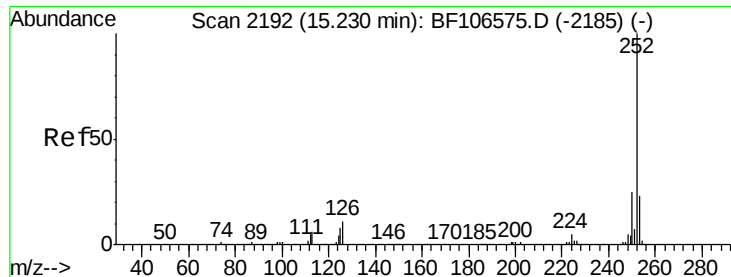
Tgt Ion: 276 Resp: 48427
 Ion Ratio Lower Upper
 276 100
 138 19.9 25.0 37.6#
 277 24.9 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2267
 Delta R.T. -0.05 min
 Lab File: BF107170.D
 Acq: 6 Jul 2018 14:05

Tgt Ion: 264 Resp: 180844
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 22.0 17.5 26.3

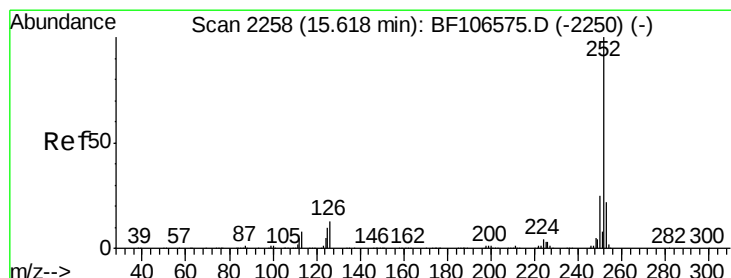
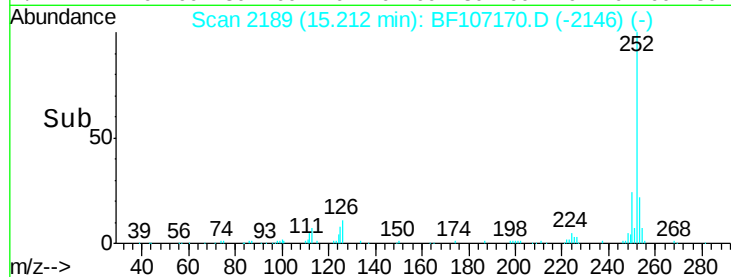
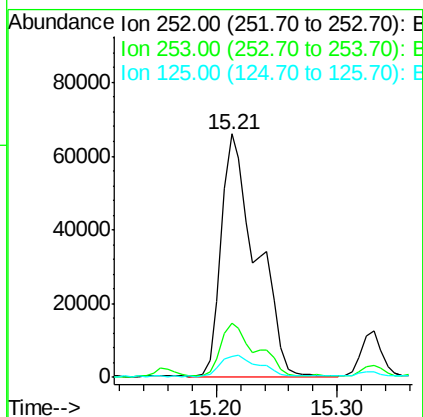
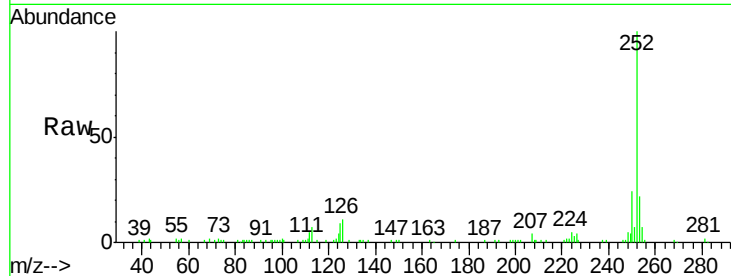




#87
Benzo(b)fluoranthene
Concen: 11.911 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.05 min
Lab File: BF107170.D
Acq: 6 Jul 2018 14:05

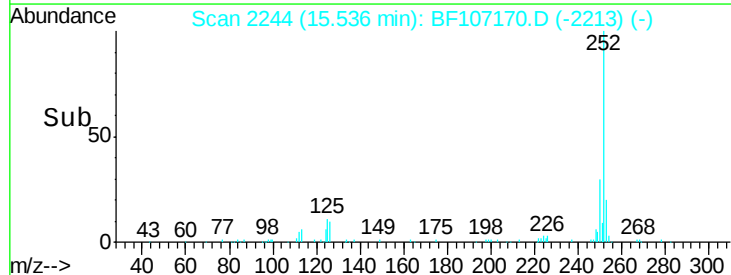
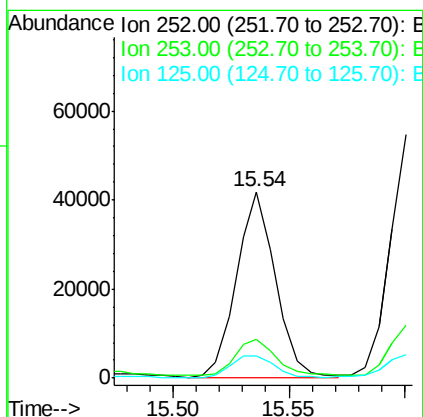
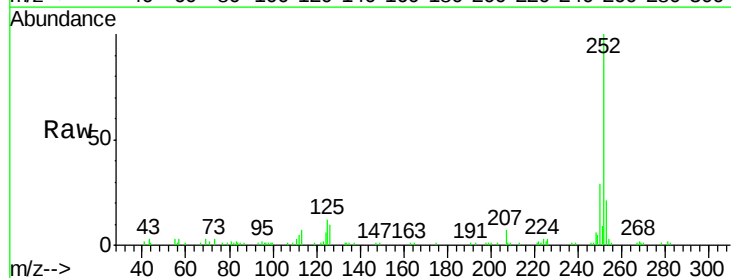
Instrument :
BNA_F
ClientSampleId :
964

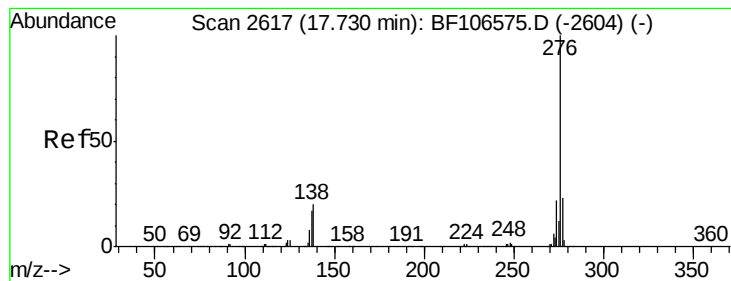
Tgt Ion:252 Resp: 133802
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 8.8 9.0 13.6#



#89
Benzo(a)pyrene
Concen: 4.944 ng
RT: 15.54 min Scan# 2244
Delta R.T. -0.12 min
Lab File: BF107170.D
Acq: 6 Jul 2018 14:05

Tgt Ion:252 Resp: 49376
Ion Ratio Lower Upper
252 100
253 20.8 17.1 25.7
125 12.1 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 5.452 ng

RT: 17.73 min Scan# 2617

Delta R.T. -0.06 min

Lab File: BF107170.D

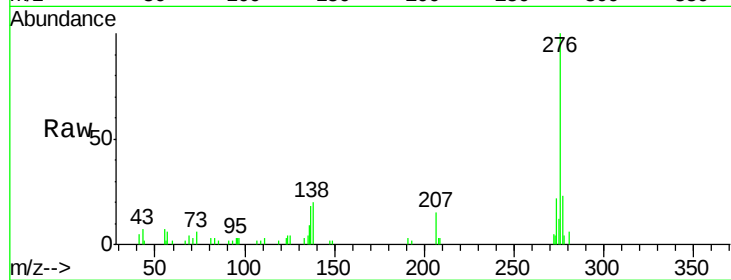
Acq: 6 Jul 2018 14:05

Instrument :

BNA_F

ClientSampleId :

964



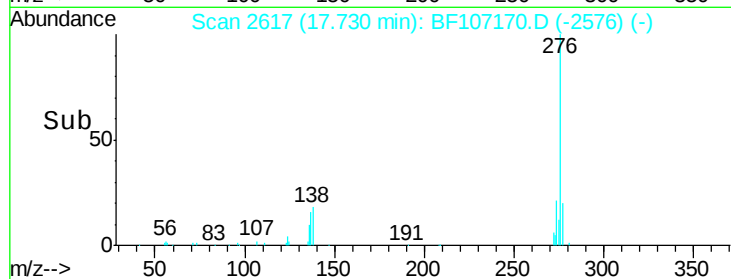
Tgt Ion: 276 Resp: 45103

Ion Ratio Lower Upper

276 100

277 23.4 17.9 26.9

138 20.1 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

