

Data Path : Z:\HPCHEM1\BNA_F\Data\BF062017\
 Data File : BF096046.D
 Acq On : 20 Jun 2017 15:53
 Operator : SJ/MA
 Sample : I3694-04 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-061417-B

Quant Time: Jun 20 16:22:03 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	78967	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	318144	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	130202	20.00	ng	0.00
63) Phenanthrene-d10	14.53	188	197520	20.00	ng	0.00
75) Chrysene-d12	18.27	240	159151	20.00	ng	0.00
86) Perylene-d12	19.94	264	127095	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	91256	18.41	ng	0.03
7) Phenol-d6	6.89	99	115499	19.47	ng	0.02
23) Nitrobenzene-d5	8.22	82	70484	13.76	ng	0.00
41) 2,4,6-Tribromophenol	13.45	330	18730	16.26	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	151098	16.15	ng	-0.01
78) Terphenyl-d14	16.92	244	93631	14.60	ng	0.00

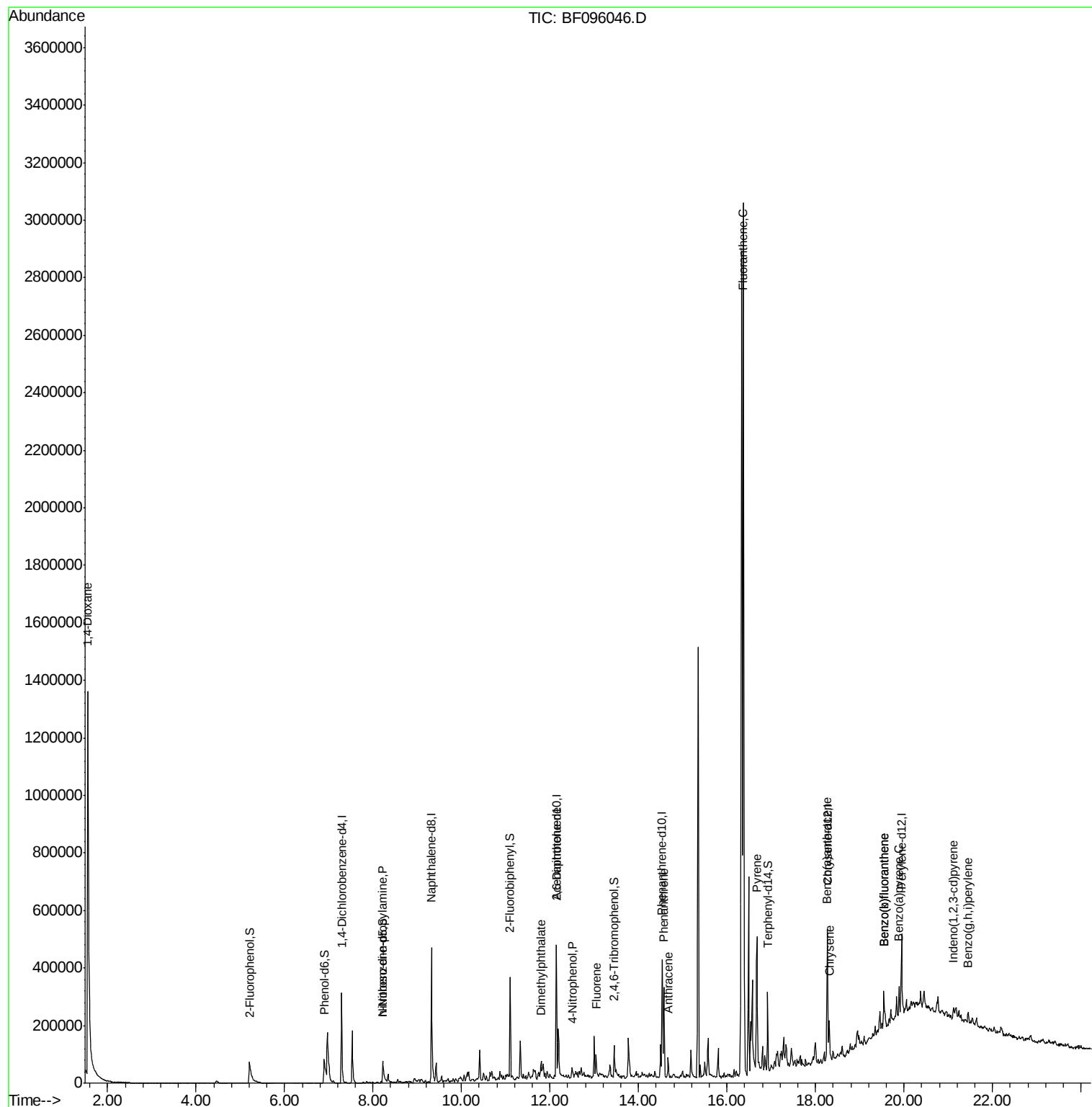
Target Compounds				Qvalue		
2) 1,4-Dioxane	1.55	88	63341	26.867	ng	# 23
19) n-Nitroso-di-n-propylamine	8.22	70	8591	2.285	ng	# 76
49) Dimethylphthalate	11.80	163	26065	2.637	ng	# 98
50) 2,6-Dinitrotoluene	12.14	165	17724	8.220	ng	# 31
55) 4-Nitrophenol	12.49	139	7308	9.321	ng	# 32
57) Fluorene	13.04	166	28869	2.846	ng	98
70) Phenanthrene	14.57	178	180500	15.838	ng	97
71) Anthracene	14.67	178	44343	3.727	ng	99
74) Fluoranthene	16.36	202	137269	12.169	ng	86
77) Pyrene	16.67	202	144010	12.127	ng	96
80) Benzo(a)anthracene	18.26	228	61988	6.699	ng	95
82) Chrysene	18.30	228	56199	6.077	ng	97
85) Indeno(1,2,3-cd)pyrene	21.11	276	26476	3.346	ng	# 86
87) Benzo(b)fluoranthene	19.54	252	63324	7.957	ng	# 92
88) Benzo(k)fluoranthene	19.54	252	63324	8.325	ng	# 96
89) Benzo(a)pyrene	19.89	252	45625	6.238	ng	# 97
91) Benzo(g,h,i)perylene	21.44	276	23668	3.742	ng	# 88

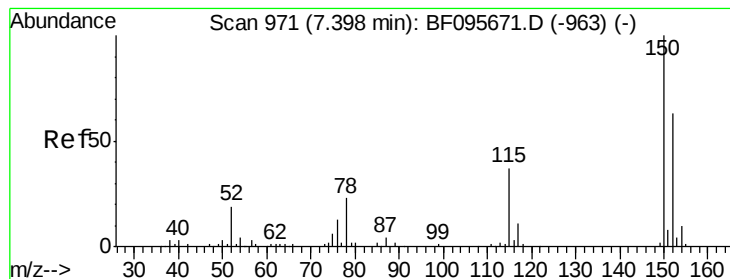
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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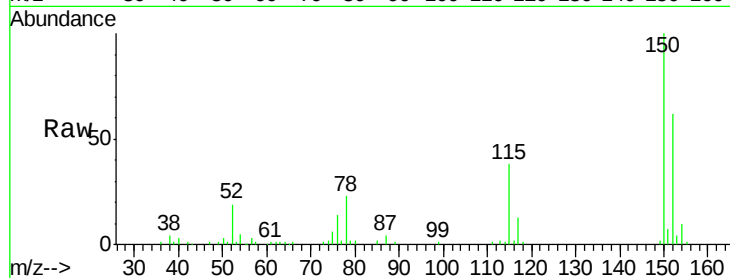


#1

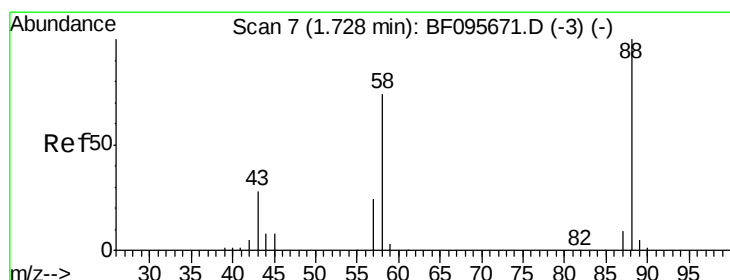
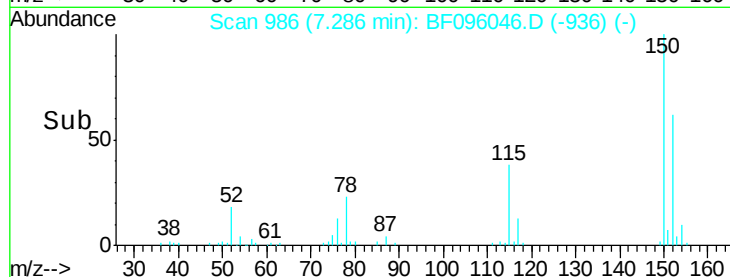
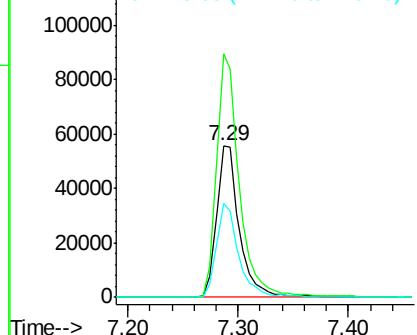
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.29 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Instrument :
BNA_F
ClientSampleId :
NB-08-061417-B

Tgt Ion: 152 Resp: 78967
Ion Ratio Lower Upper
152 100
150 160.3 126.2 189.2
115 61.6 52.2 78.2



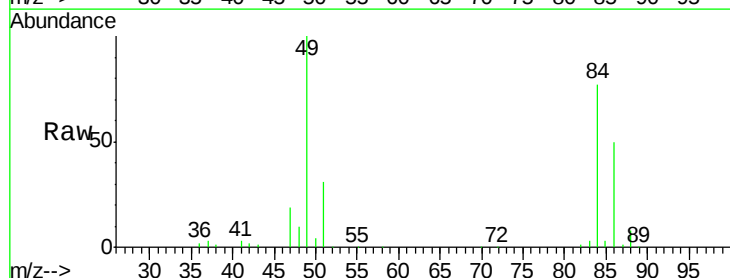
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



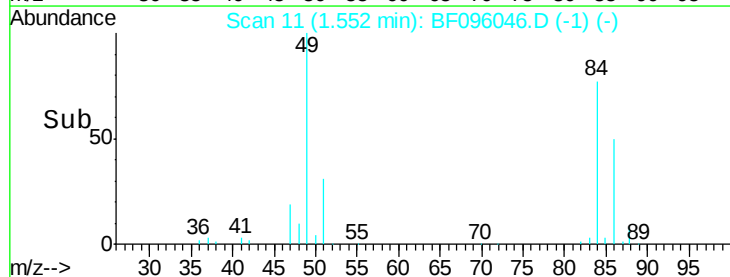
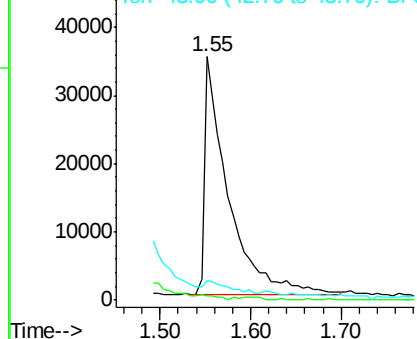
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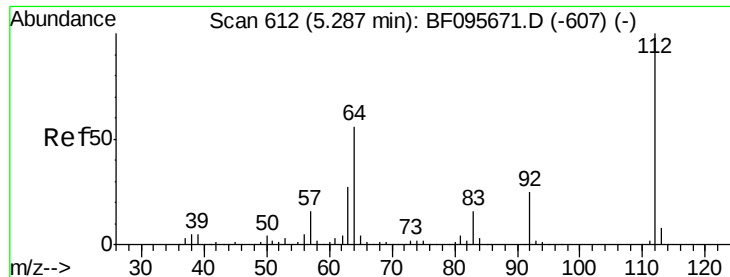
1,4-Dioxane
Concen: 26.867 ng
RT: 1.55 min Scan# 11
Delta R.T. -0.06 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion: 88 Resp: 63341
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 4.7 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 18.414 ng

RT: 5.21 min Scan# 633

Delta R.T. 0.03 min

Lab File: BF096046.D

Acq: 20 Jun 2017 15:53

Instrument :

BNA_F

ClientSampleId :

NB-08-061417-B

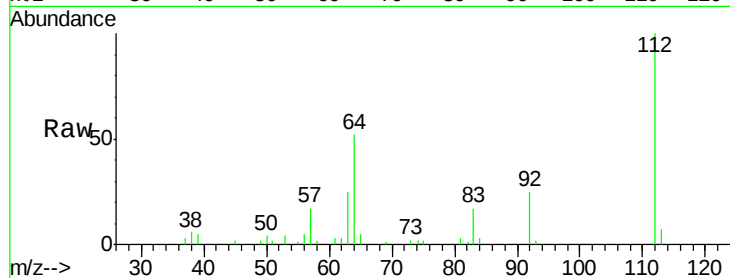
Tgt Ion: 112 Resp: 91256

Ion Ratio Lower Upper

112 100

64 52.2 46.0 69.0

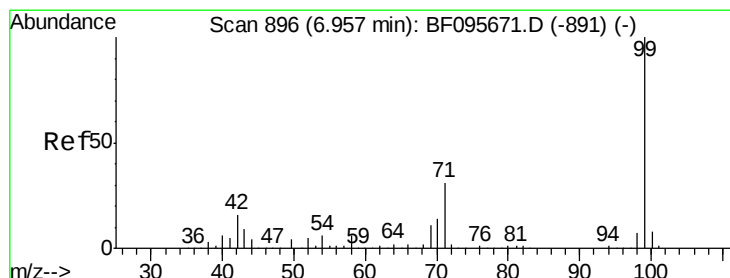
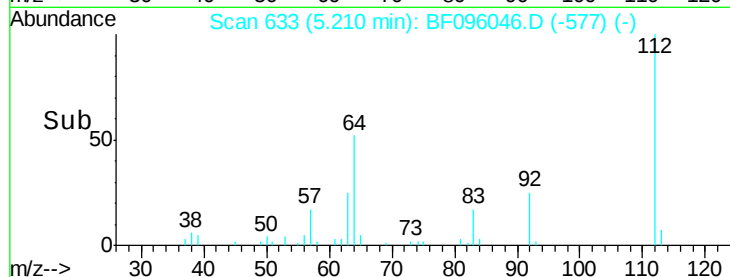
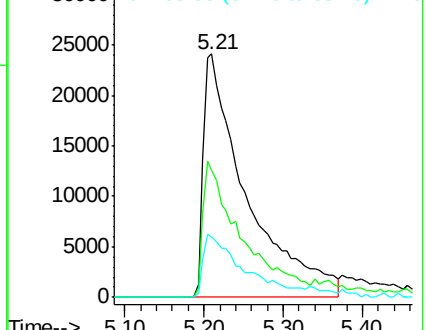
63 25.0 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 19.468 ng

RT: 6.89 min Scan# 919

Delta R.T. 0.02 min

Lab File: BF096046.D

Acq: 20 Jun 2017 15:53

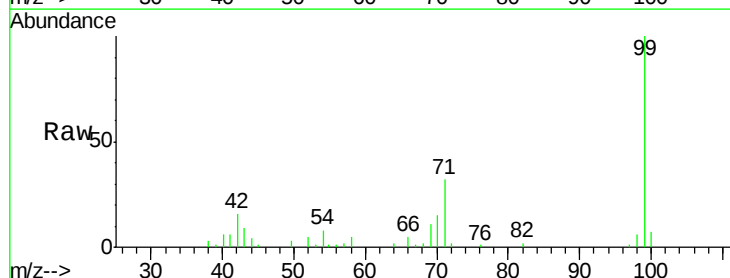
Tgt Ion: 99 Resp: 115499

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

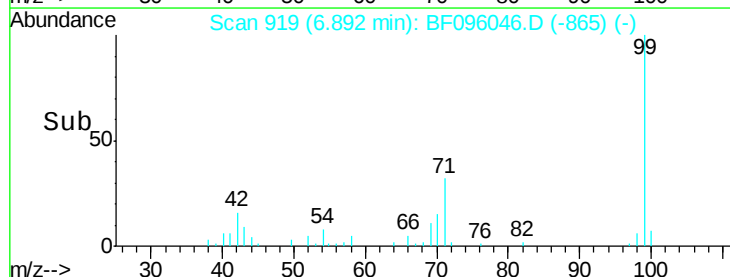
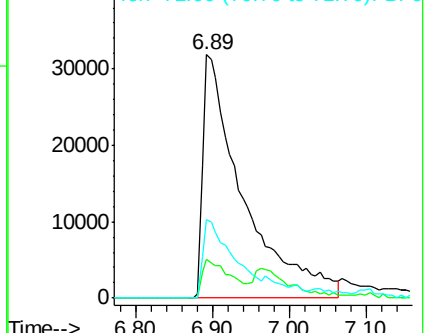
71 32.3 24.5 36.7

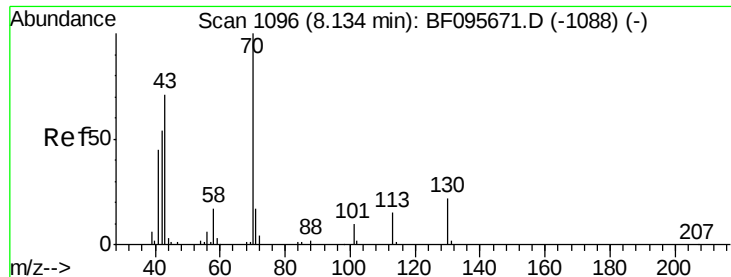


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

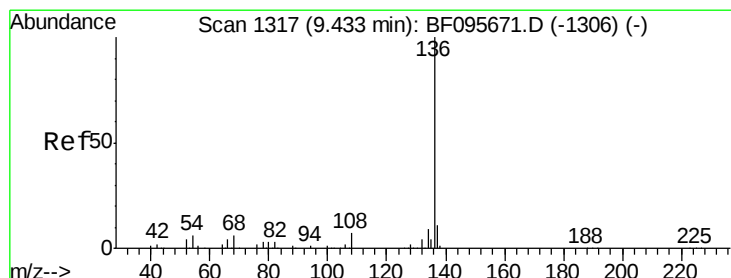
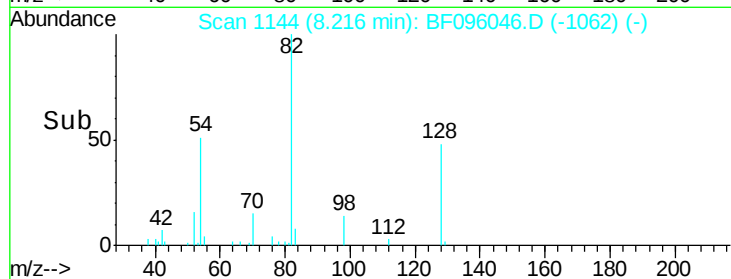
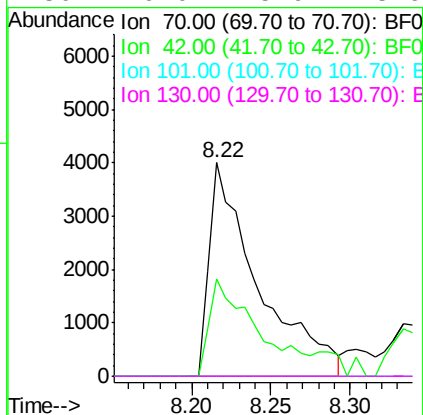
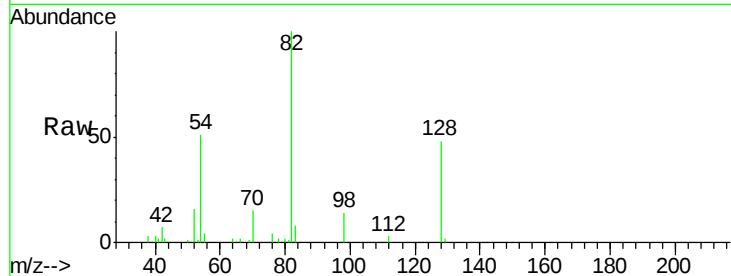




#19
n-Nitroso-di-n-propylamine
Concen: 2.285 ng
RT: 8.22 min Scan# 1144
Delta R.T. 0.18 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

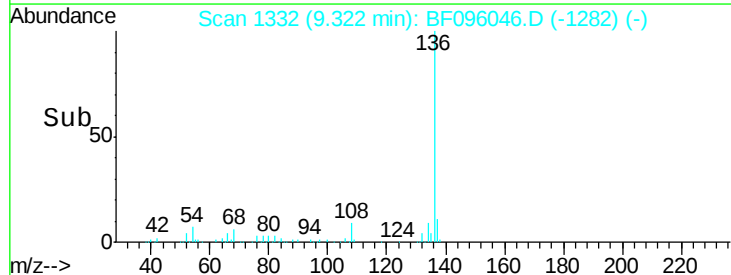
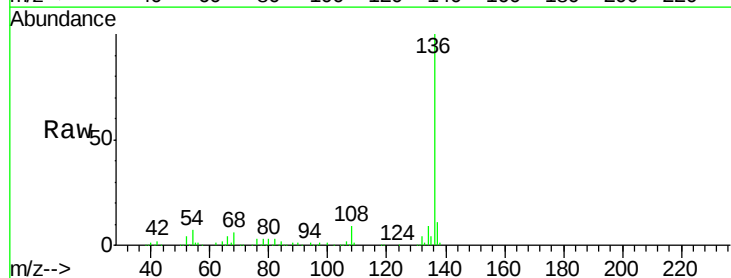
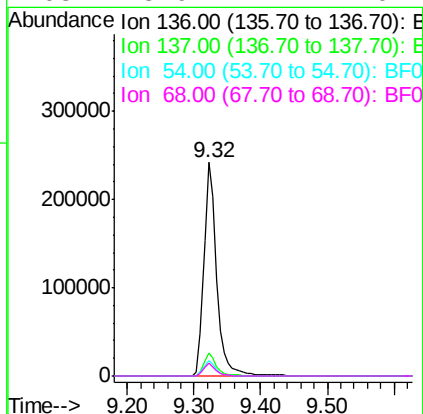
Instrument :
BNA_F
ClientSampleId :
NB-08-061417-B

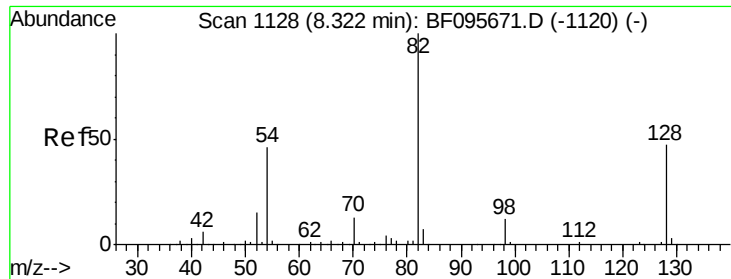
Tgt Ion: 70 Resp: 8591
Ion Ratio Lower Upper
70 100
42 45.6 47.2 70.8#
101 0.0 7.2 10.8#
130 0.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.32 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion: 136 Resp: 318144
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 7.2 4.9 7.3
68 5.9 4.1 6.1

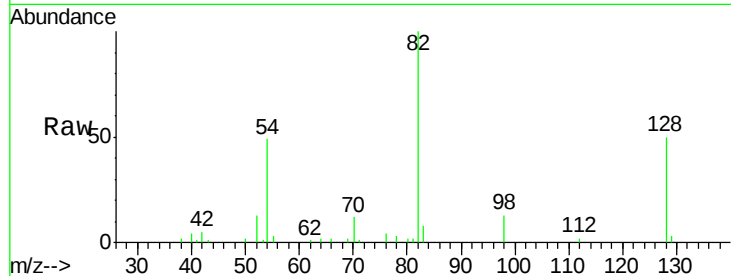




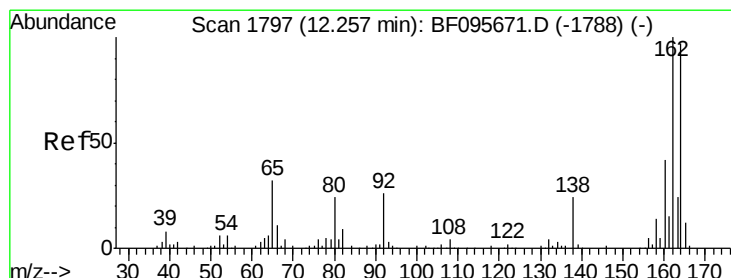
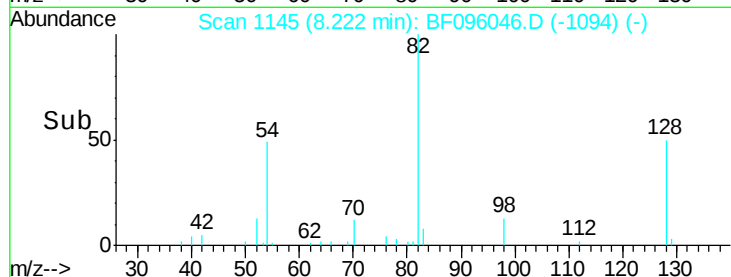
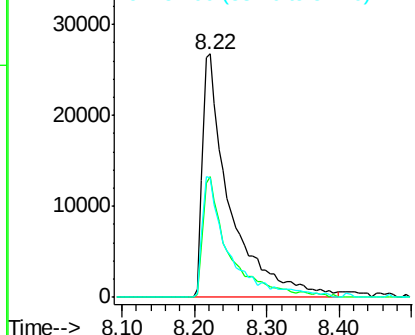
#23
 Nitrobenzene-d5
 Concen: 13.759 ng
 RT: 8.22 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-061417-B

Tgt Ion: 82 Resp: 70484
 Ion Ratio Lower Upper
 82 100
 128 49.7 34.0 51.0
 54 49.2 42.2 63.2

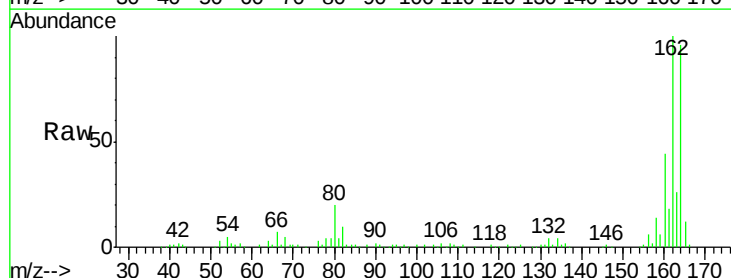


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

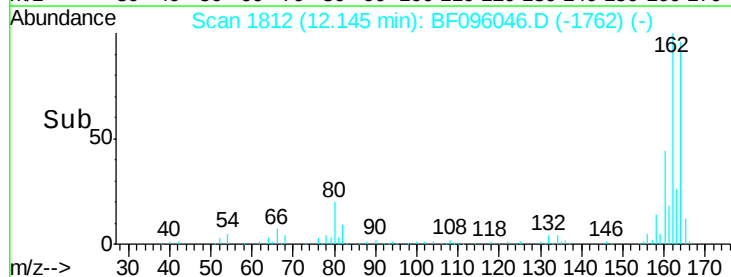
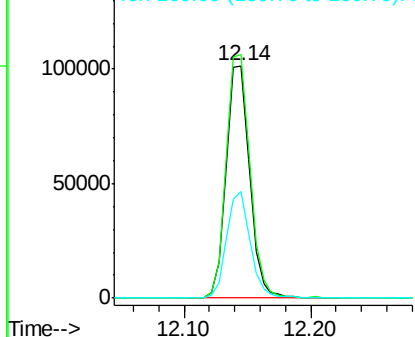


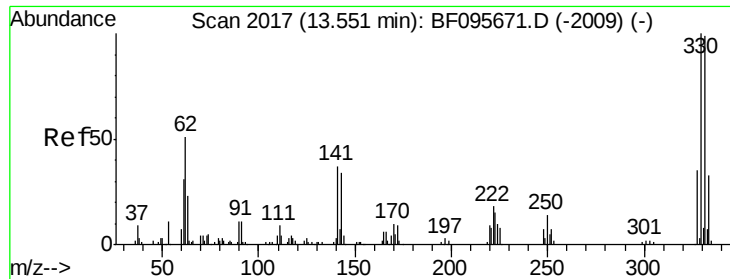
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.14 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Tgt Ion: 164 Resp: 130202
 Ion Ratio Lower Upper
 164 100
 162 104.7 82.6 123.8
 160 46.1 36.2 54.2



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

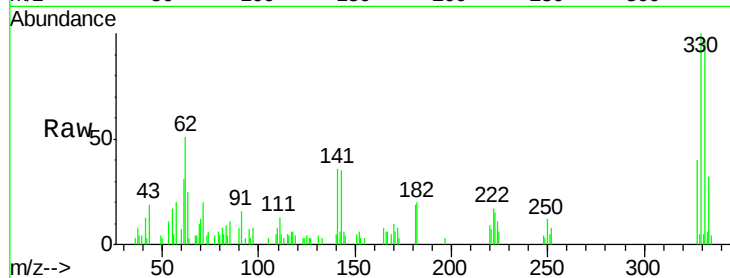




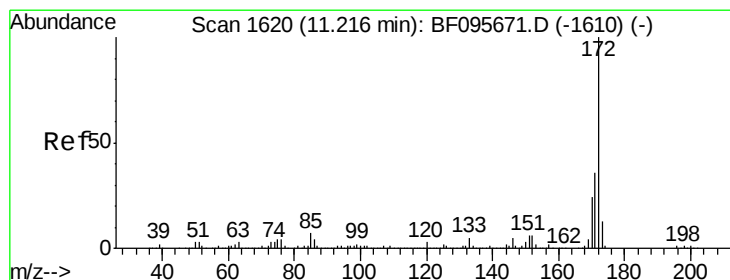
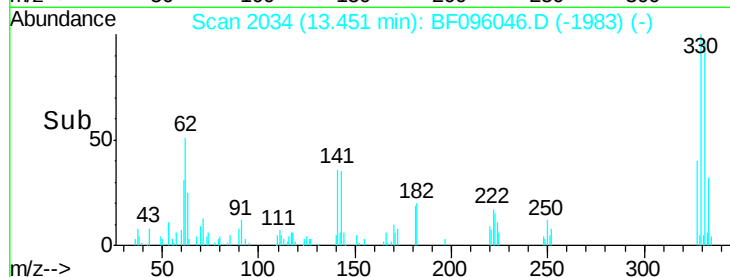
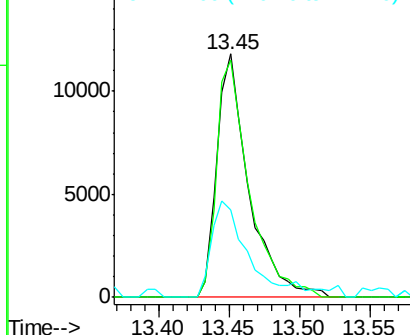
#41
 2,4,6-Tribromophenol
 Concen: 16.259 ng
 RT: 13.45 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-061417-B

Tgt Ion: 330 Resp: 18730
 Ion Ratio Lower Upper
 330 100
 332 99.3 76.6 115.0
 141 46.0 31.4 47.2

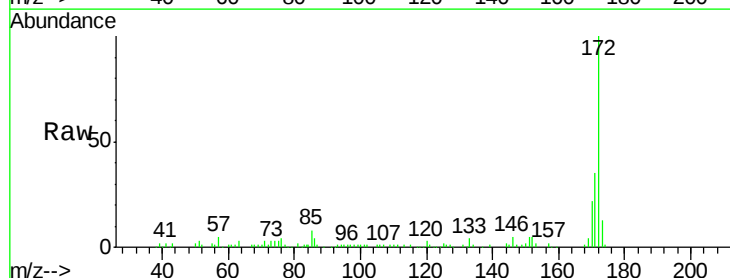


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

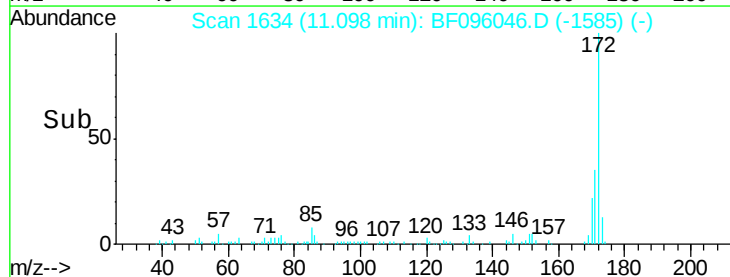
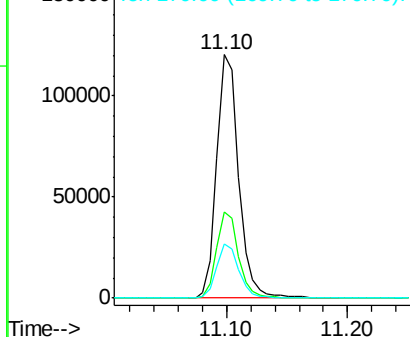


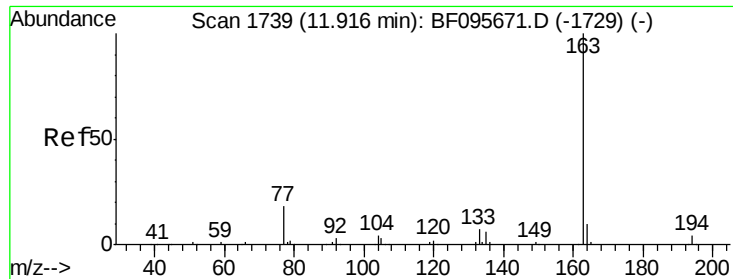
#44
 2-Fluorobiphenyl
 Concen: 16.149 ng
 RT: 11.10 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Tgt Ion: 172 Resp: 151098
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 22.4 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

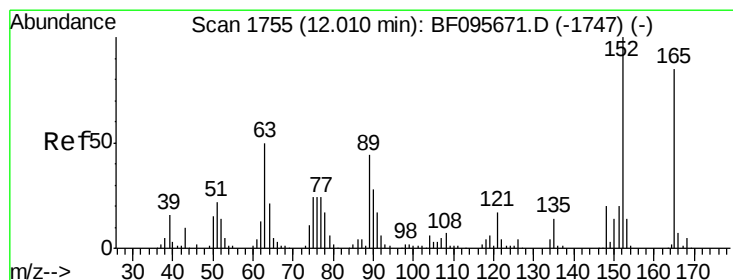
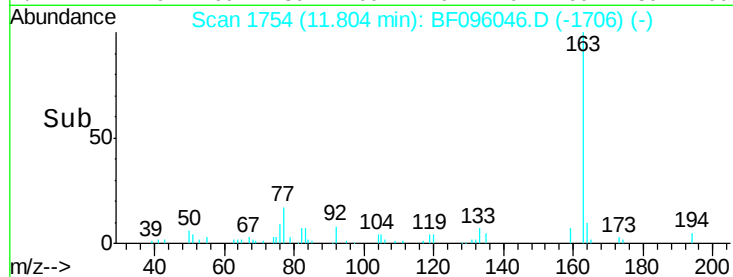
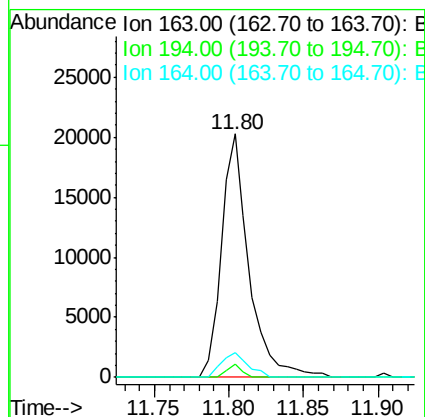
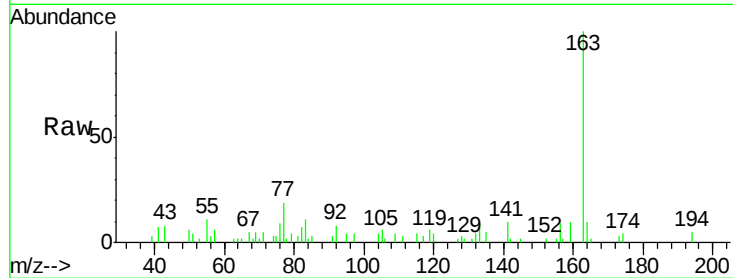




#49
Dimethylphthalate
Concen: 2.637 ng
RT: 11.80 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

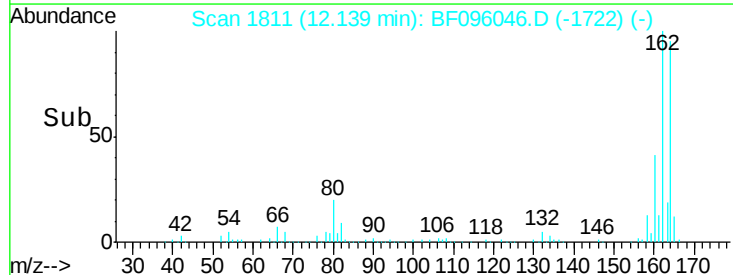
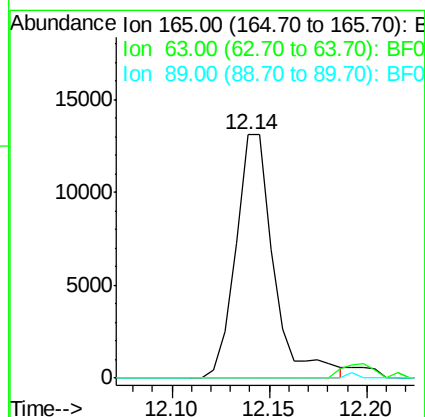
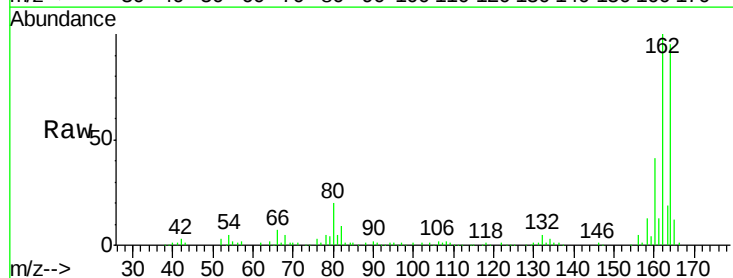
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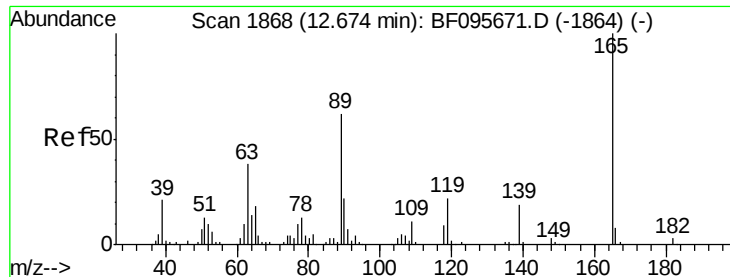
Tgt Ion:163 Resp: 26065
Ion Ratio Lower Upper
163 100
194 5.4 2.6 4.0#
164 10.2 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 8.220 ng
RT: 12.14 min Scan# 1811
Delta R.T. 0.22 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion:165 Resp: 17724
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#

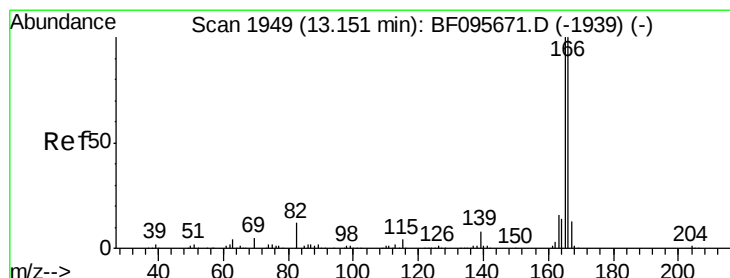
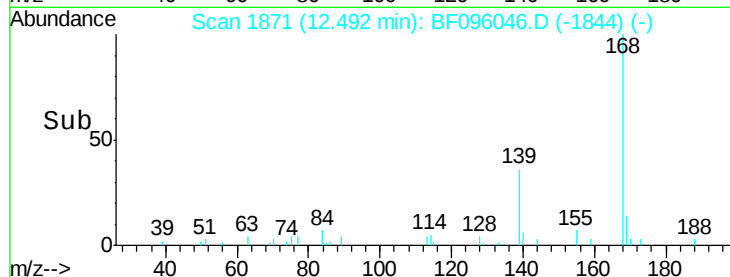
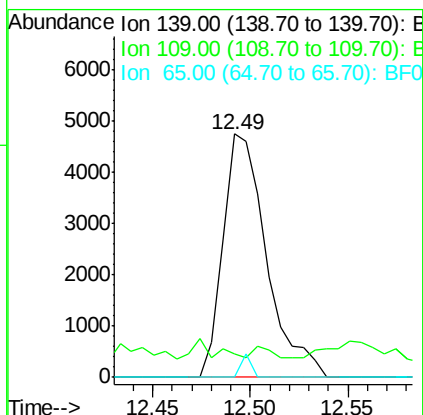
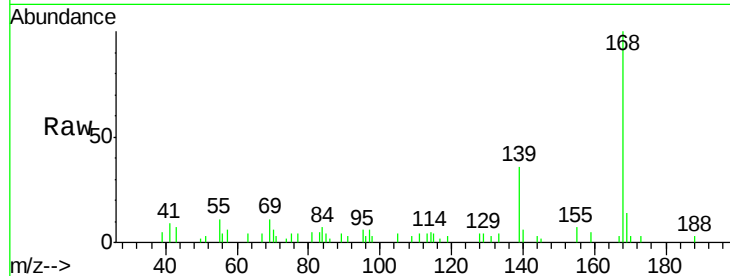




#55
4-Nitrophenol
Concen: 9.321 ng
RT: 12.49 min Scan# 1871
Delta R.T. -0.14 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

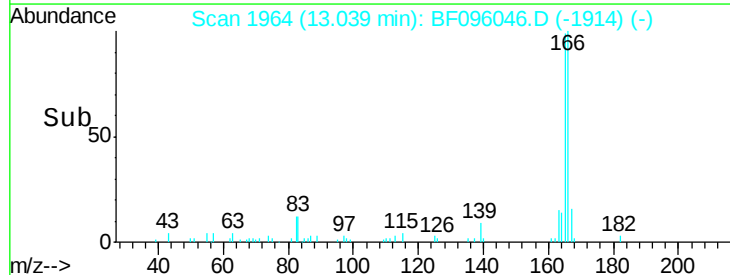
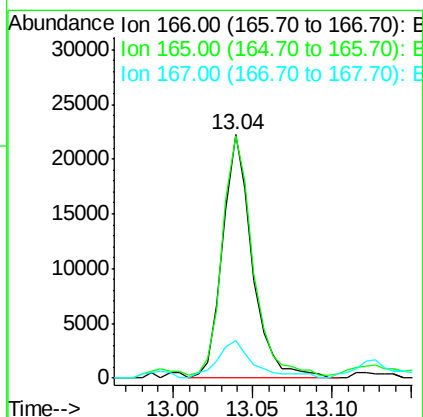
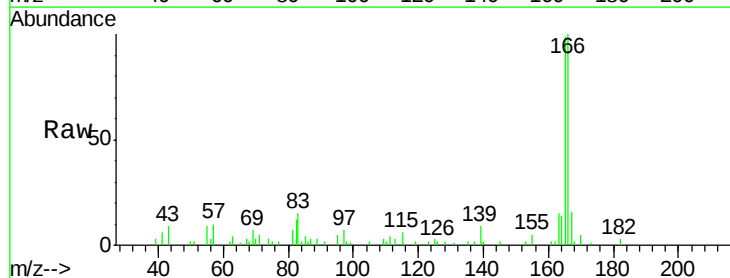
Instrument :
BNA_F
ClientSampleId :
NB-08-061417-B

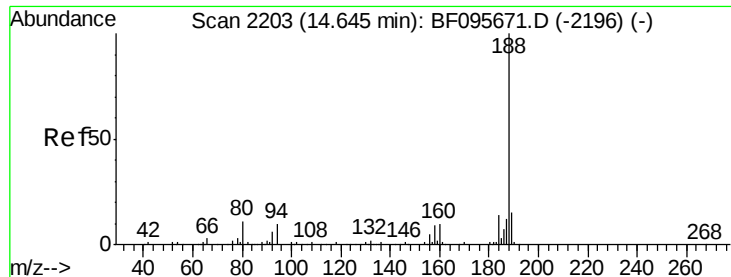
Tgt Ion:139 Resp: 7308
Ion Ratio Lower Upper
139 100
109 9.4 34.1 74.1#
65 0.0 31.4 71.4#



#57
Fluorene
Concen: 2.846 ng
RT: 13.04 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion:166 Resp: 28869
Ion Ratio Lower Upper
166 100
165 99.5 78.8 118.2
167 15.6 10.6 16.0

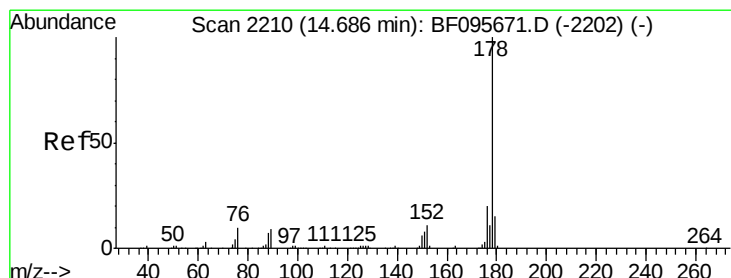
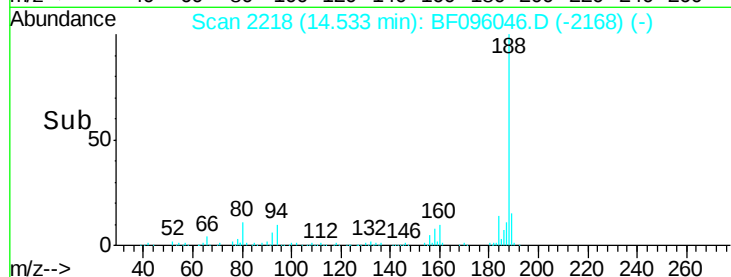
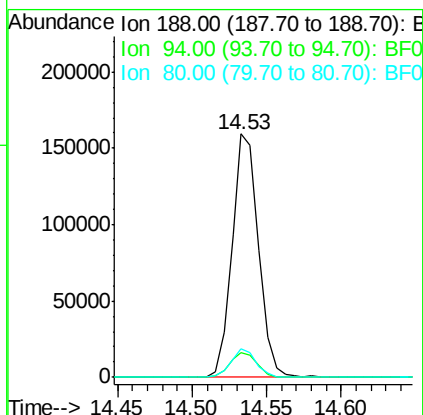
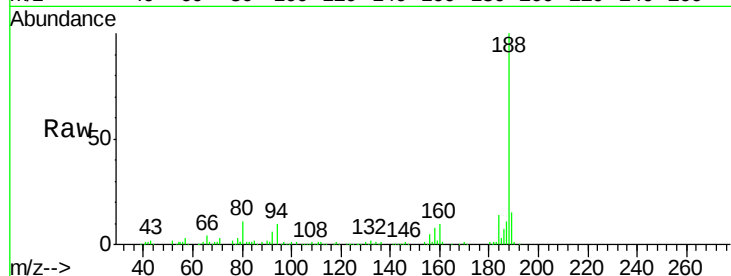




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

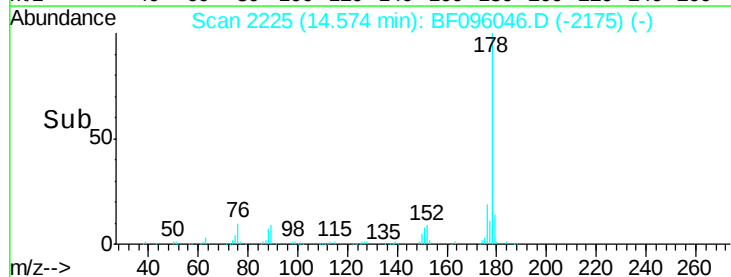
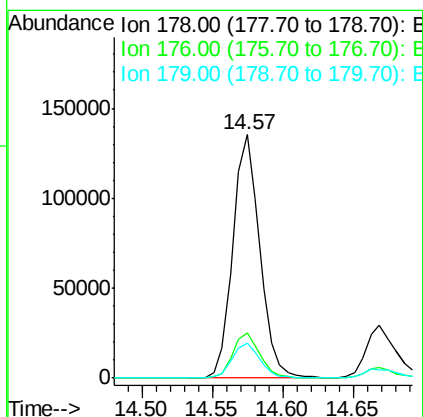
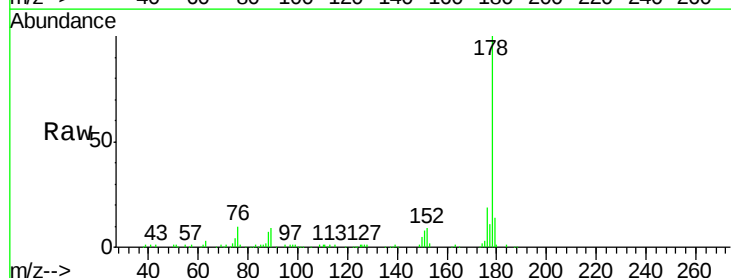
Instrument :
BNA_F
ClientSampleId :
NB-08-061417-B

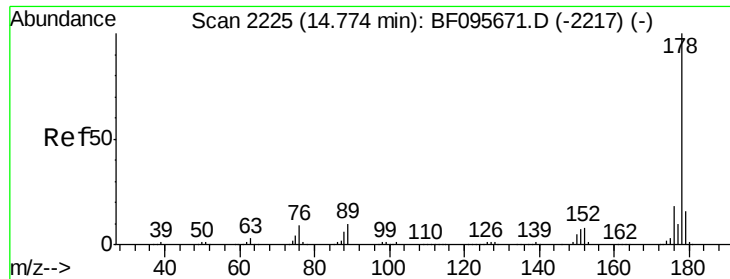
Tgt Ion:188 Resp: 197520
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 11.5 10.2 15.2



#70
Phenanthrene
Concen: 15.838 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion:178 Resp: 180500
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 14.5 12.6 19.0

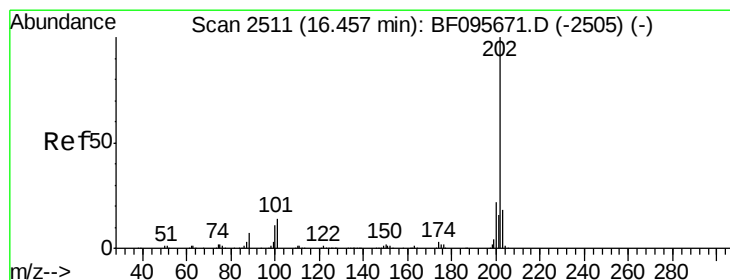
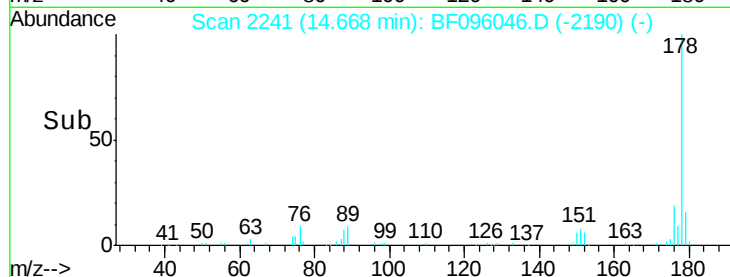
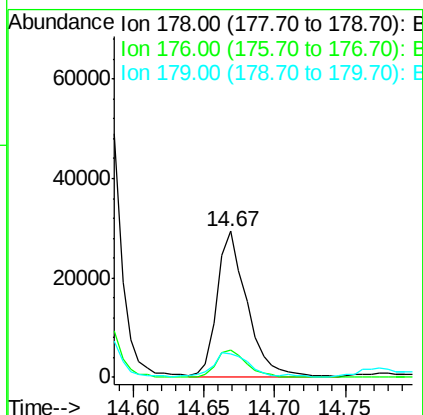
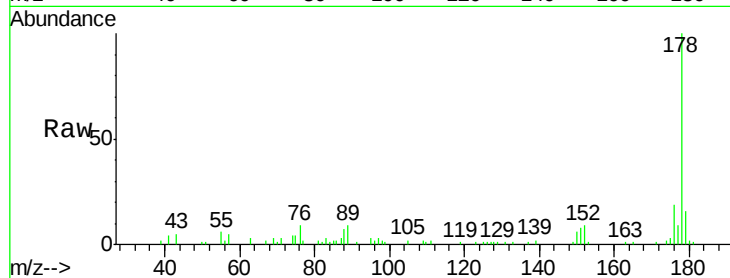




#71
 Anthracene
 Concen: 3.727 ng
 RT: 14.67 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

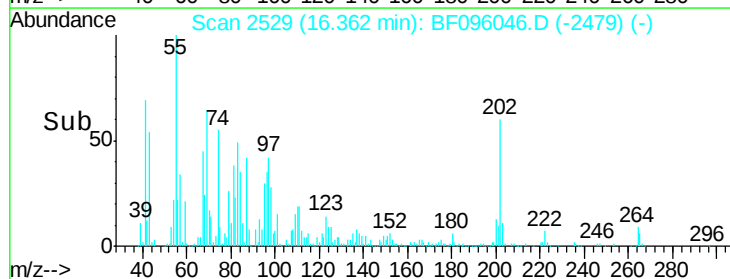
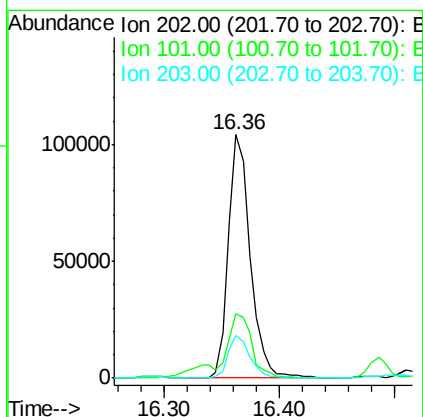
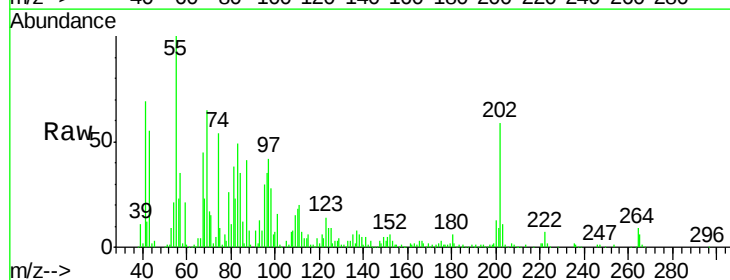
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-061417-B

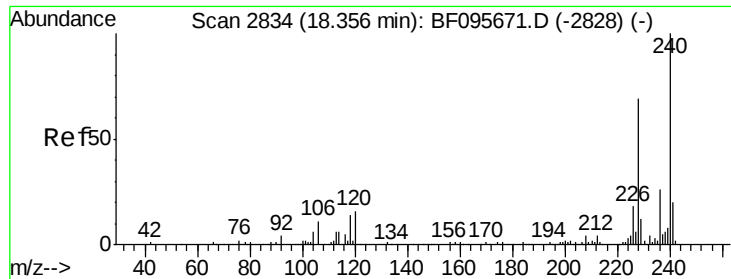
Tgt Ion:178 Resp: 44343
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 15.9 12.7 19.1



#74
 Fluoranthene
 Concen: 12.169 ng
 RT: 16.36 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Tgt Ion:202 Resp: 137269
 Ion Ratio Lower Upper
 202 100
 101 26.2 0.0 33.2
 203 17.8 0.0 38.1

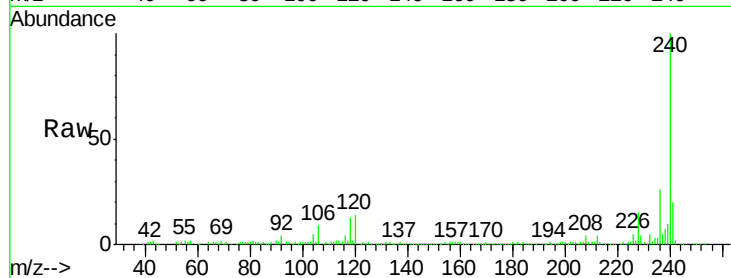




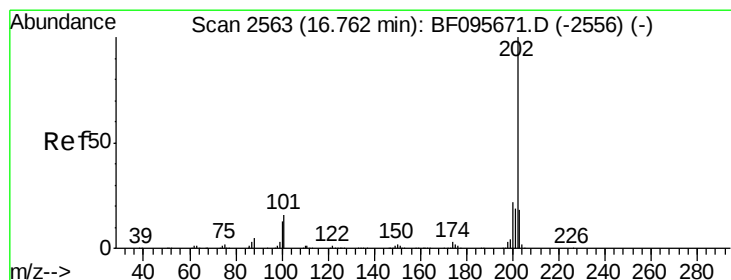
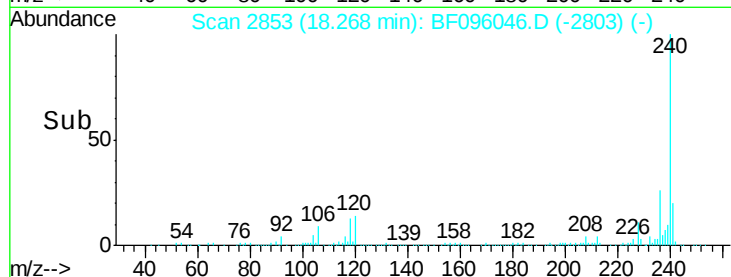
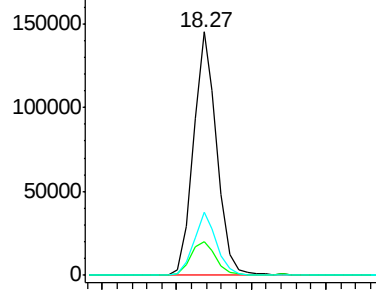
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 18.27 min Scan# 2853
 Delta R.T. -0.01 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-061417-B

Tgt Ion:240 Resp: 159151
 Ion Ratio Lower Upper
 240 100
 120 13.6 5.8 8.8#
 236 25.9 20.5 30.7

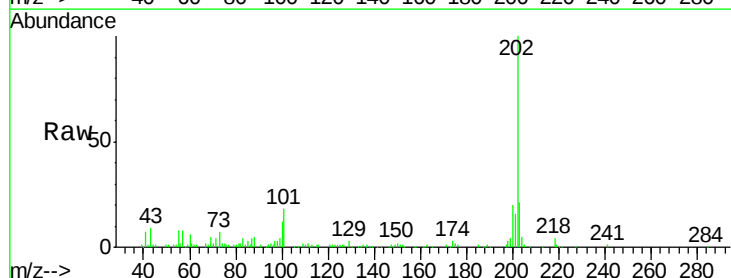


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

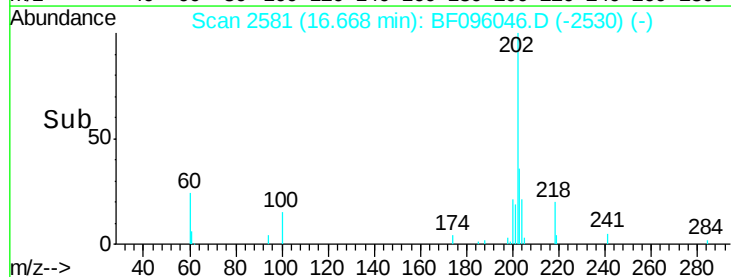
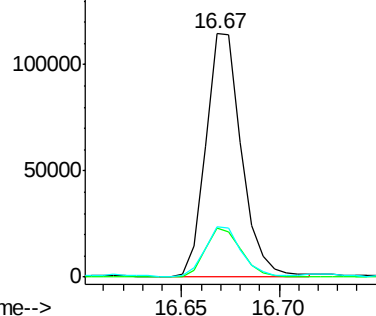


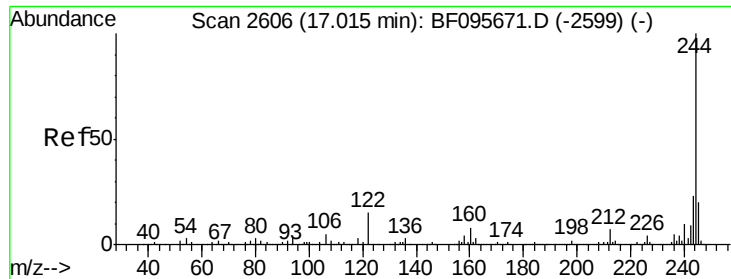
#77
 Pyrene
 Concen: 12.127 ng
 RT: 16.67 min Scan# 2581
 Delta R.T. 0.00 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Tgt Ion:202 Resp: 144010
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.6 26.4
 203 20.6 14.4 21.6



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

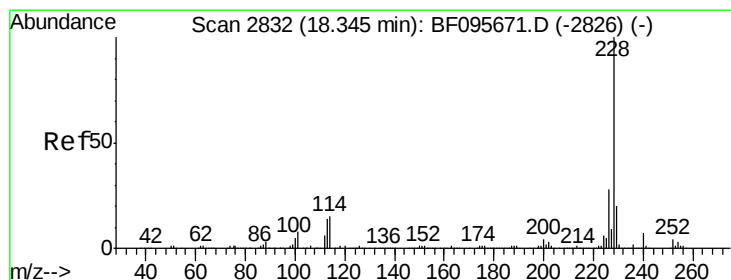
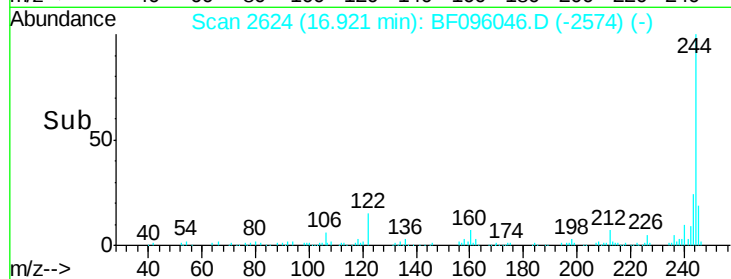
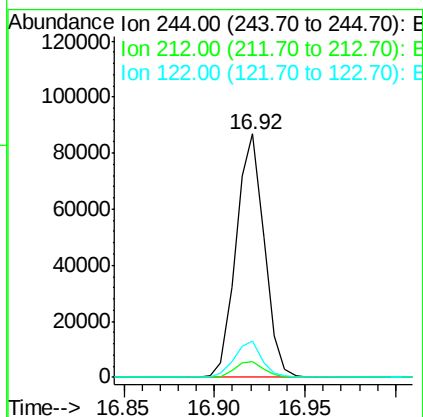
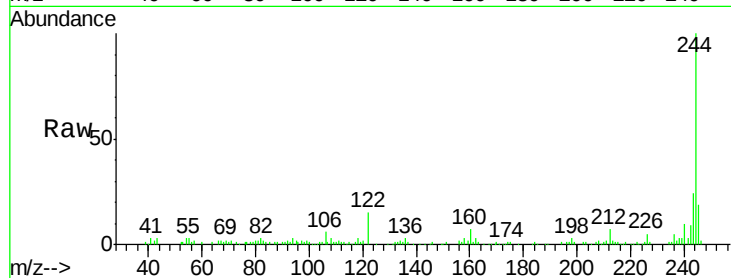




#78
 Terphenyl-d14
 Concen: 14.600 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

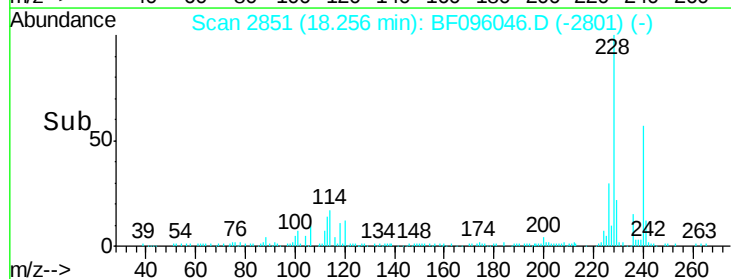
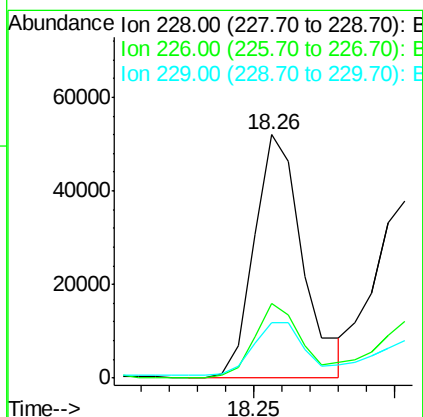
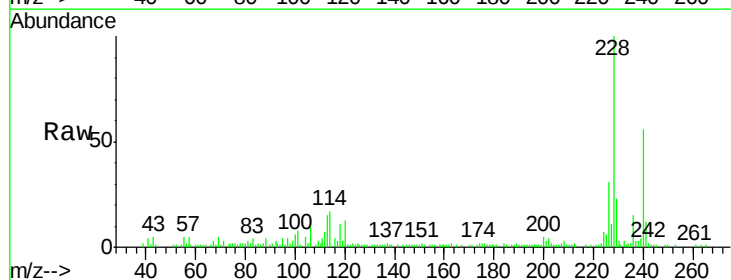
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-061417-B

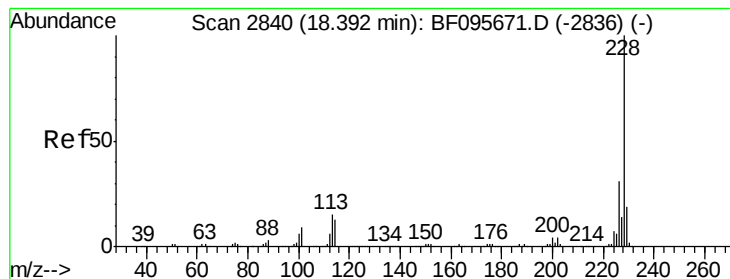
Tgt Ion: 244 Resp: 93631
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 14.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 6.699 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Tgt Ion: 228 Resp: 61988
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.6 33.8
 229 22.7 16.3 24.5





#82

Chrysene

Concen: 6.077 ng

RT: 18.30 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BF096046.D

Acq: 20 Jun 2017 15:53

Instrument :

BNA_F

ClientSampleId :

NB-08-061417-B

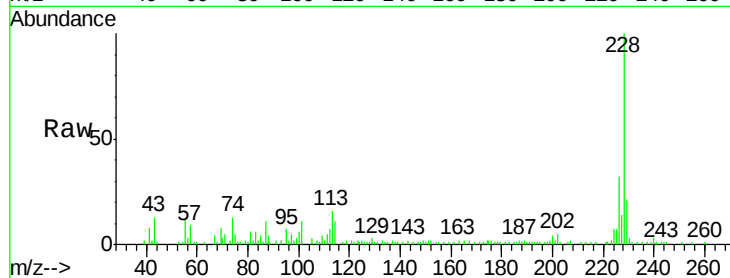
Tgt Ion:228 Resp: 56199

Ion Ratio Lower Upper

228 100

226 32.2 24.9 37.3

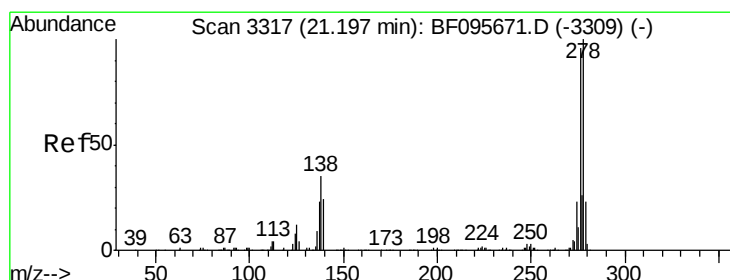
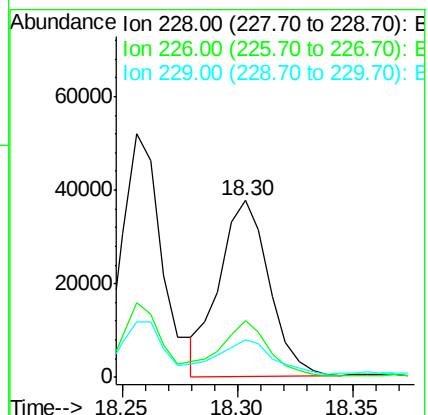
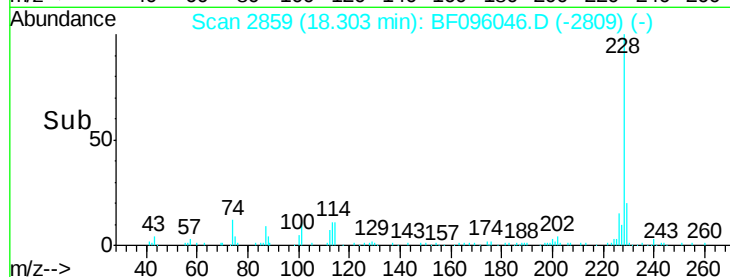
229 21.3 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.346 ng

RT: 21.11 min Scan# 3337

Delta R.T. 0.02 min

Lab File: BF096046.D

Acq: 20 Jun 2017 15:53

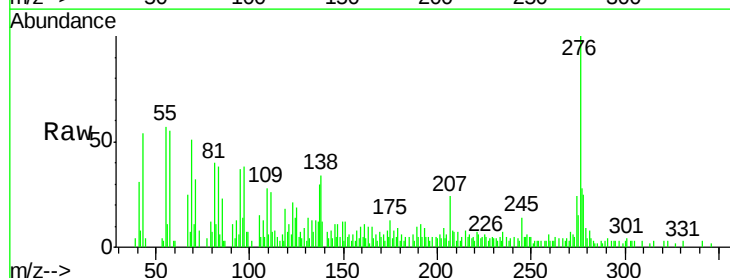
Tgt Ion:276 Resp: 26476

Ion Ratio Lower Upper

276 100

138 23.9 27.8 41.6#

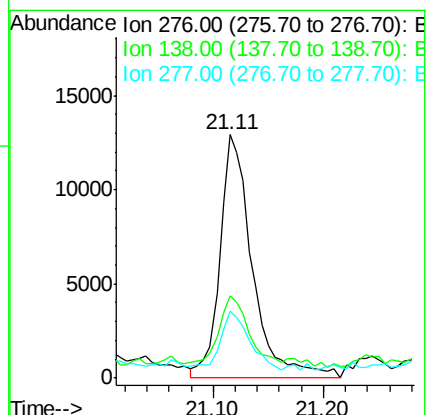
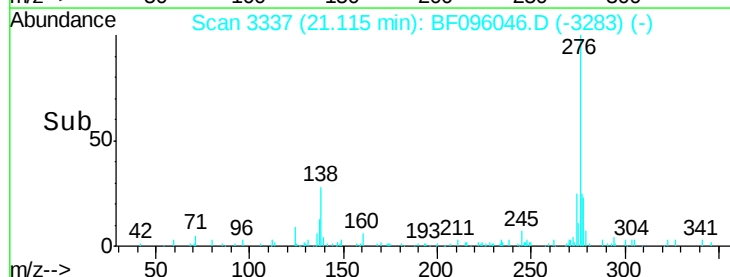
277 21.4 20.2 30.4

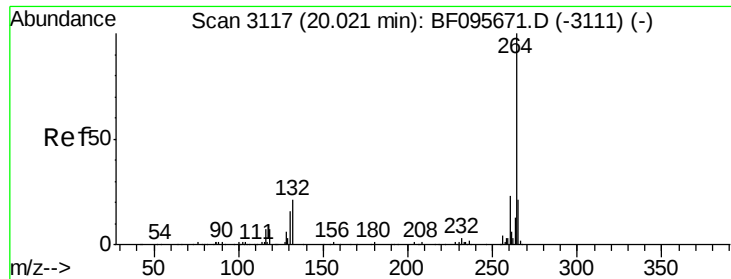


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

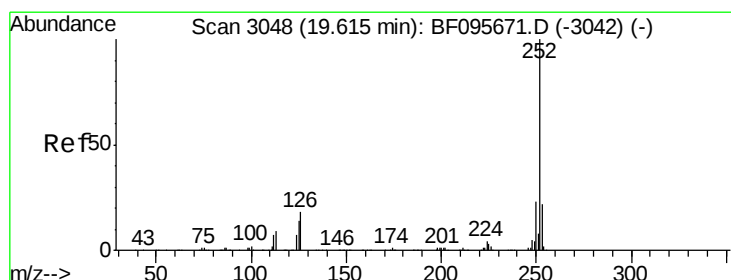
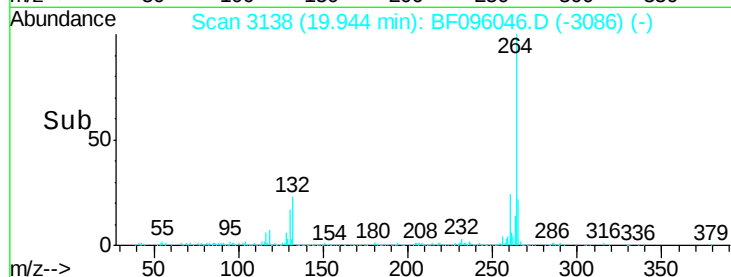
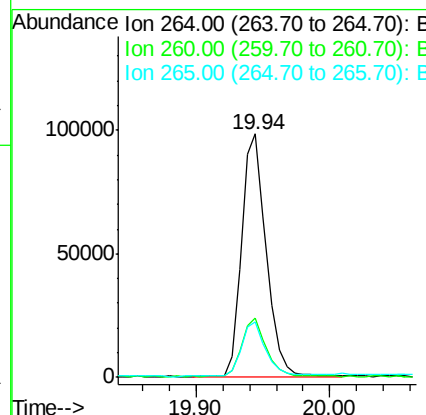
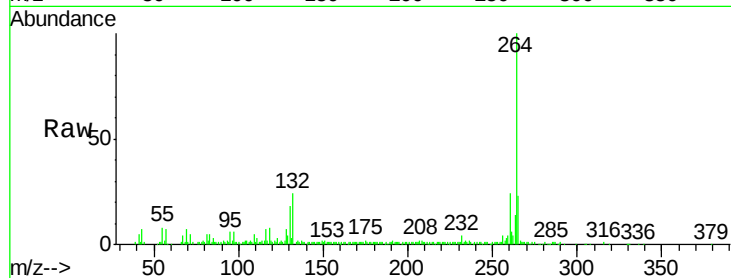




#86
Perylene-d12
Concen: 20.000 ng
RT: 19.94 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

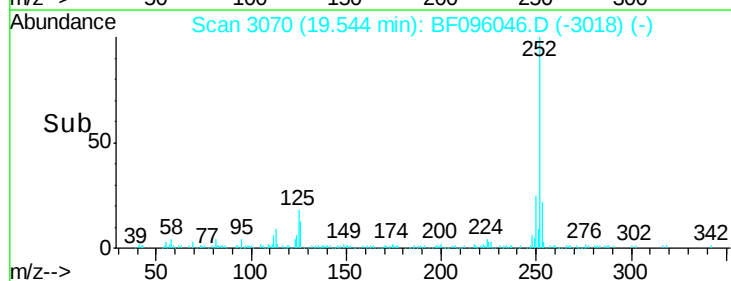
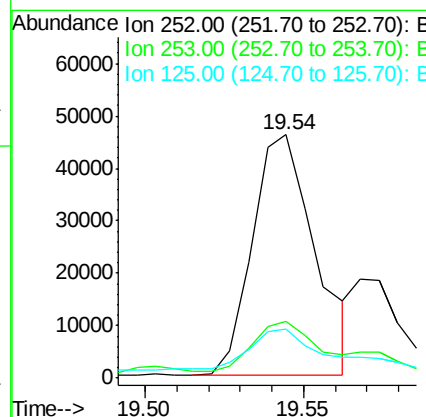
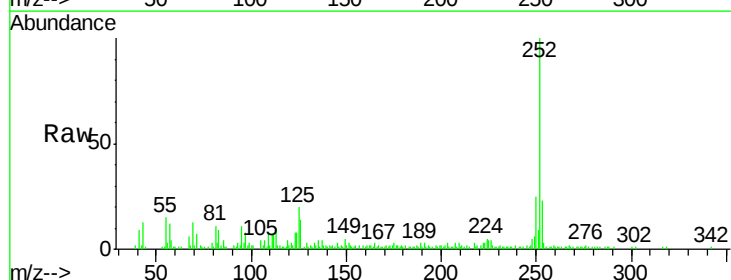
Instrument :
BNA_F
ClientSampleId :
NB-08-061417-B

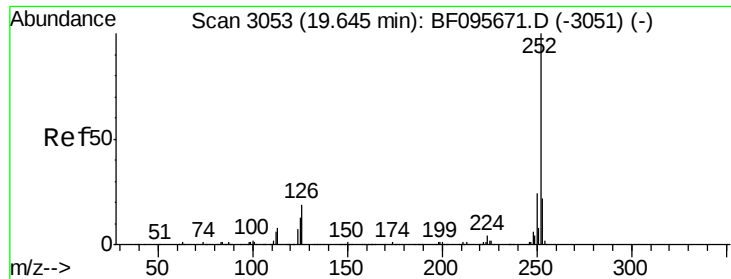
Tgt Ion:264 Resp: 127095
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 22.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.957 ng
RT: 19.54 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion:252 Resp: 63324
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 20.1 9.8 14.8#

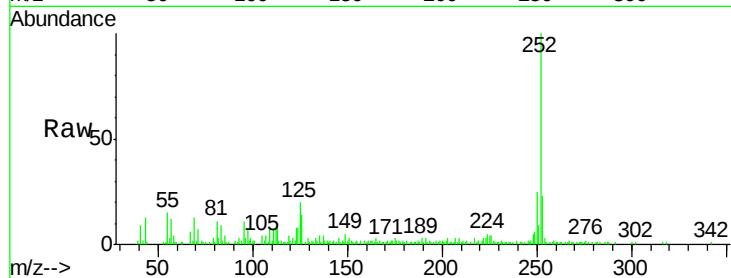




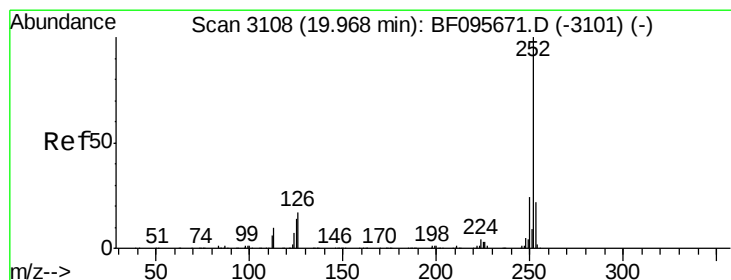
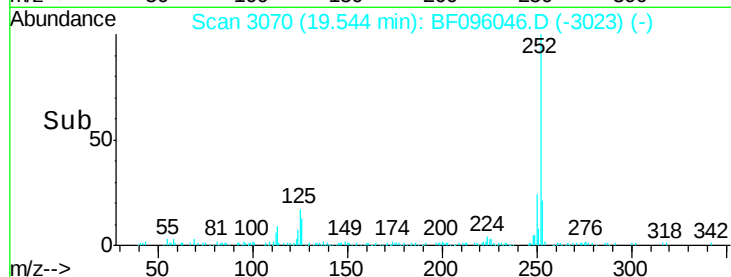
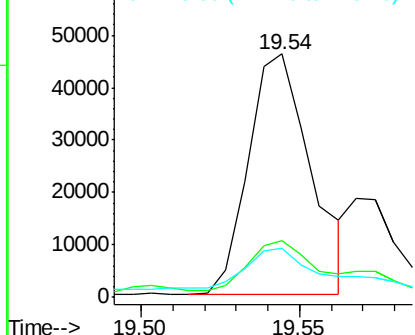
#88
Benzo(k)fluoranthene
Concen: 8.325 ng
RT: 19.54 min Scan# 3070
Delta R.T. -0.02 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Instrument :
BNA_F
ClientSampleId :
NB-08-061417-B

Tgt Ion:252 Resp: 63324
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 20.1 13.1 19.7#

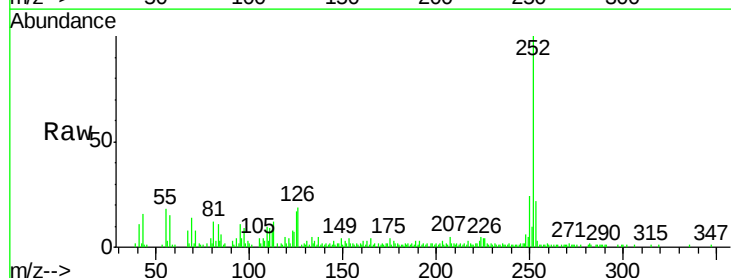


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

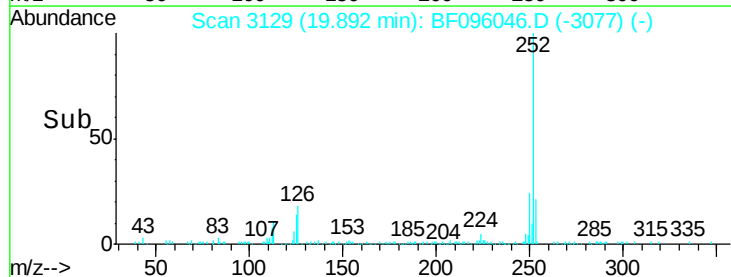
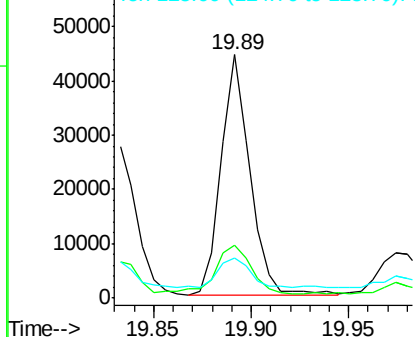


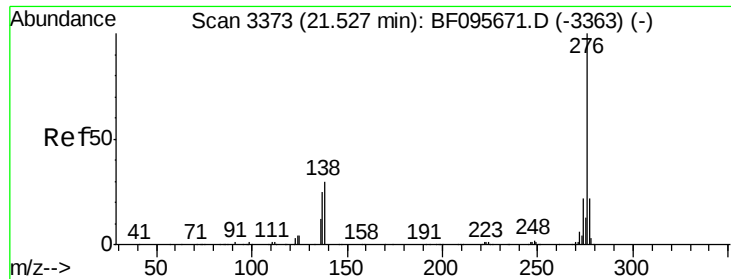
#89
Benzo(a)pyrene
Concen: 6.238 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion:252 Resp: 45625
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 16.7 11.0 16.4#



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: 3.742 ng

RT: 21.44 min Scan# 3393

Delta R.T. 0.02 min

Lab File: BF096046.D

Acq: 20 Jun 2017 15:53

Instrument :

BNA_F

ClientSampleId :

NB-08-061417-B

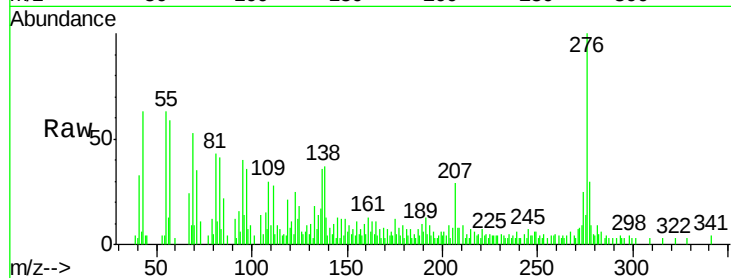
Tgt Ion: 276 Resp: 23668

Ion Ratio Lower Upper

276 100

277 30.0 18.6 28.0#

138 37.4 25.4 38.0



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

