

Data Path : Z:\HPCHEM1\BNA_F\Data\BF062017\
 Data File : BF096045.D
 Acq On : 20 Jun 2017 15:21
 Operator : SJ/MA
 Sample : I3694-07 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jun 20 16:19:04 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	80871	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	328002	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	134461	20.00	ng	0.00
63) Phenanthrene-d10	14.53	188	203775	20.00	ng	0.00
75) Chrysene-d12	18.27	240	156804	20.00	ng	0.00
86) Perylene-d12	19.94	264	128227	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	247648	48.80	ng	0.00
7) Phenol-d6	6.87	99	312324	51.40	ng	0.00
23) Nitrobenzene-d5	8.21	82	176562	33.43	ng	-0.01
41) 2,4,6-Tribromophenol	13.44	330	46621	39.19	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	355625	36.80	ng	-0.01
78) Terphenyl-d14	16.92	244	215594	34.12	ng	0.00

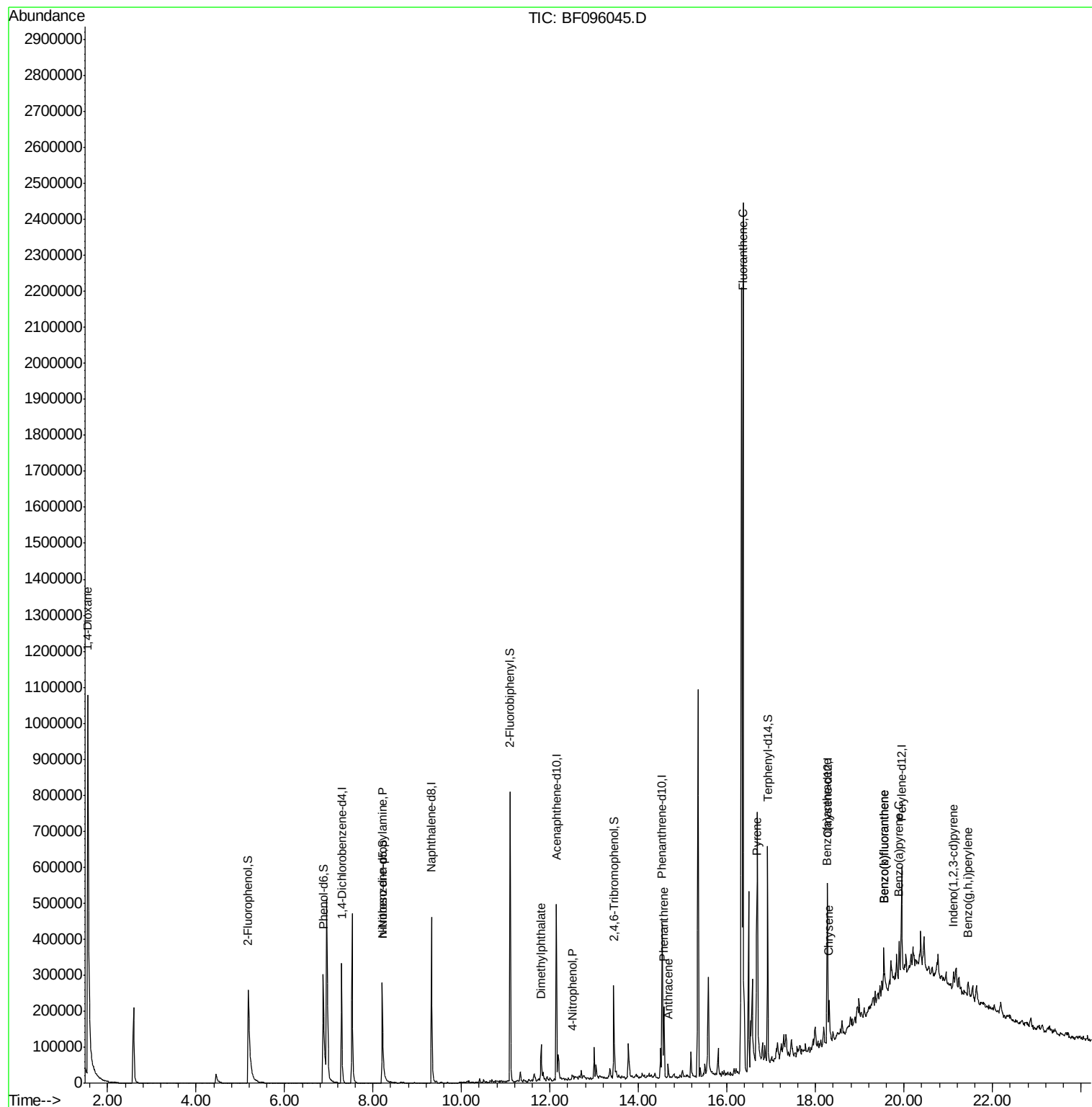
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.55	88	52744	21.846	ng	# 21
19) n-Nitroso-di-n-propylamine	8.21	70	21611	5.613	ng	# 76
49) Dimethylphthalate	11.80	163	56377	5.522	ng	99
55) 4-Nitrophenol	12.50	139	3358	6.716	ng	# 25
70) Phenanthrene	14.57	178	116158	9.879	ng	96
71) Anthracene	14.67	178	25345	2.065	ng	98
74) Fluoranthene	16.36	202	112494	9.667	ng	85
77) Pyrene	16.67	202	113017	9.660	ng	97
80) Benzo(a)anthracene	18.26	228	54020	5.925	ng	97
82) Chrysene	18.30	228	52666	5.781	ng	96
85) Indeno(1,2,3-cd)pyrene	21.12	276	23661	3.035	ng	97
87) Benzo(b)fluoranthene	19.54	252	61971	7.718	ng	# 94
88) Benzo(k)fluoranthene	19.54	252	61971	8.075	ng	97
89) Benzo(a)pyrene	19.89	252	43090	5.839	ng	# 95
91) Benzo(g,h,i)perylene	21.44	276	21730	3.405	ng	95

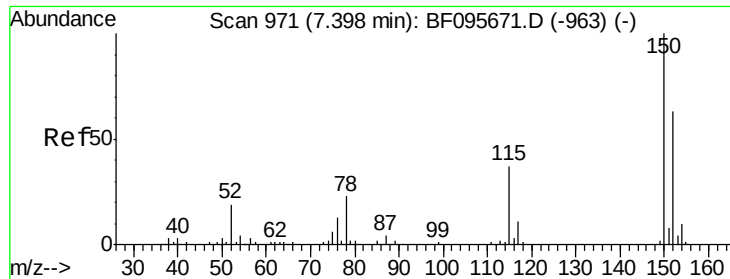
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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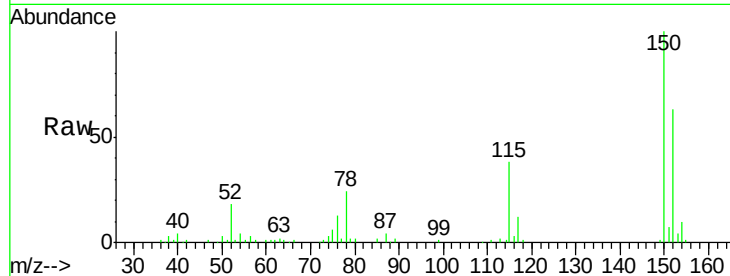


#1

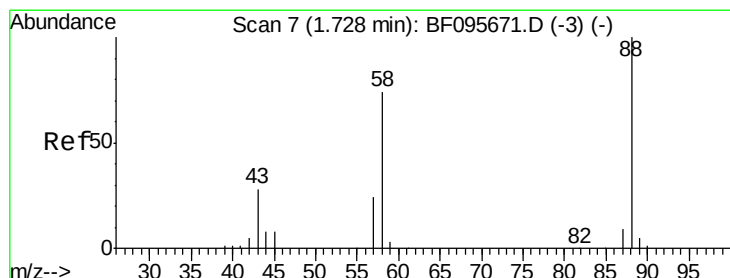
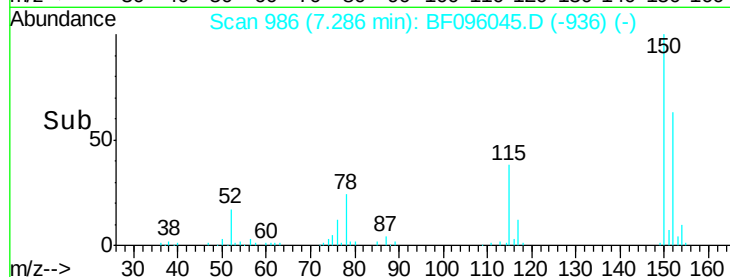
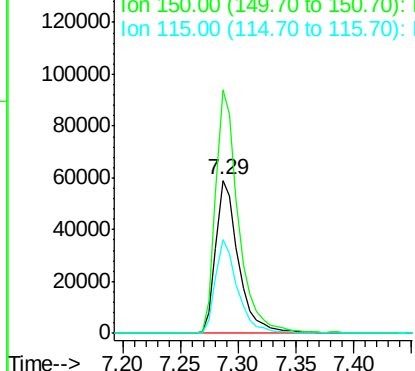
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.29 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF096045.D
Acq: 20 Jun 2017 15:21

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

Tgt Ion:152 Resp: 80871
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.2
115 61.2 52.2 78.2



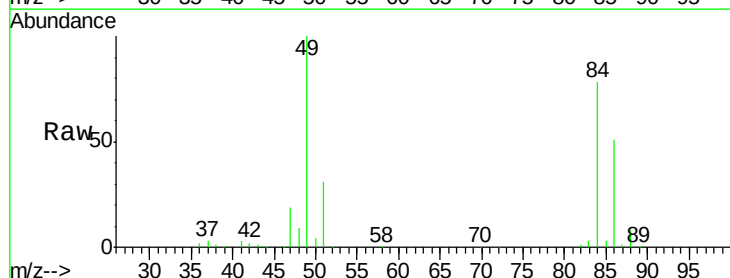
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



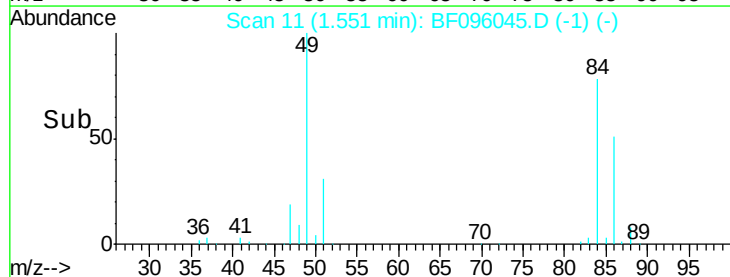
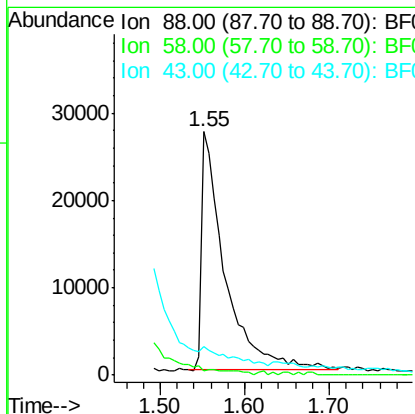
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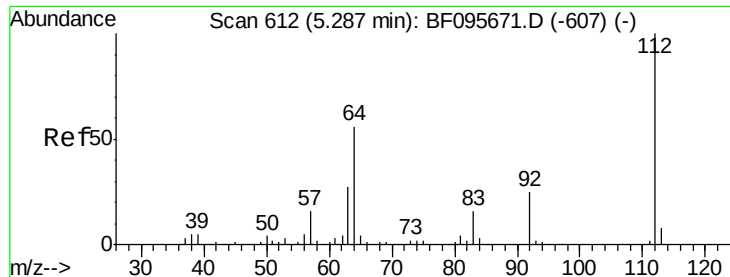
1,4-Dioxane
Concen: 21.846 ng
RT: 1.55 min Scan# 11
Delta R.T. -0.06 min
Lab File: BF096045.D
Acq: 20 Jun 2017 15:21

Tgt Ion: 88 Resp: 52744
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 0.0 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

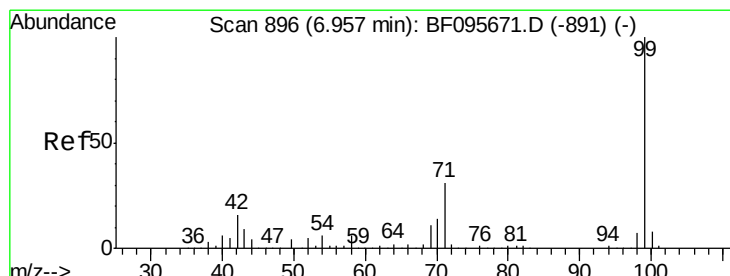
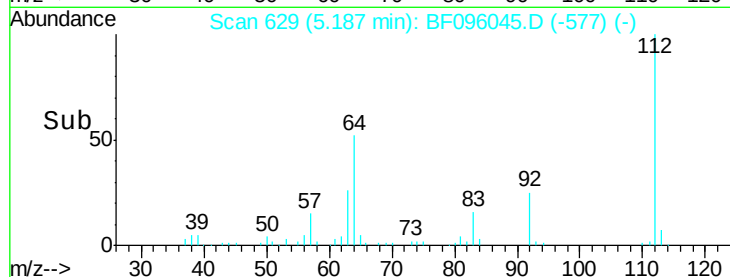
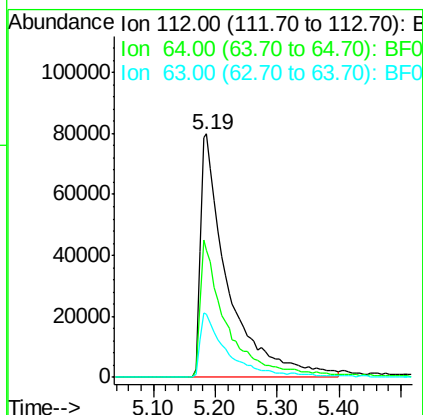
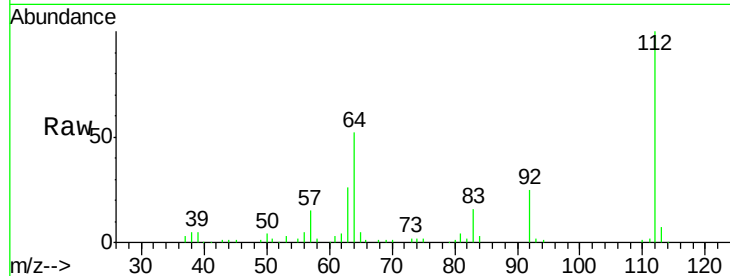




#5
 2-Fluorophenol
 Concen: 48.796 ng
 RT: 5.19 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: BF096045.D
 Acq: 20 Jun 2017 15:21

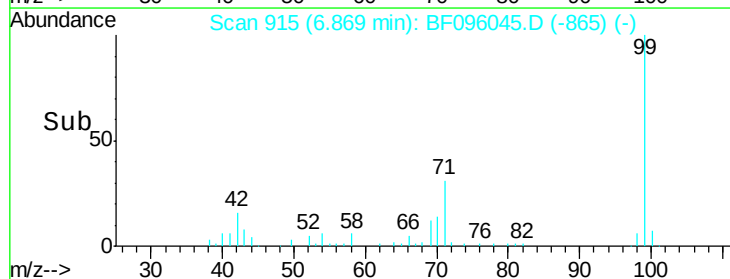
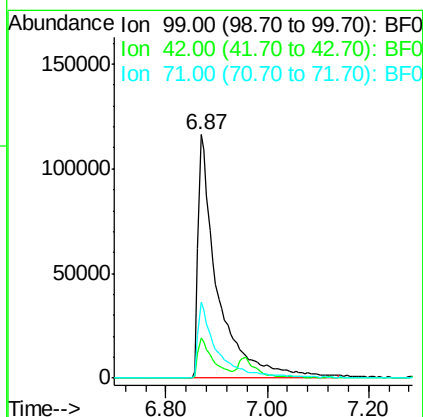
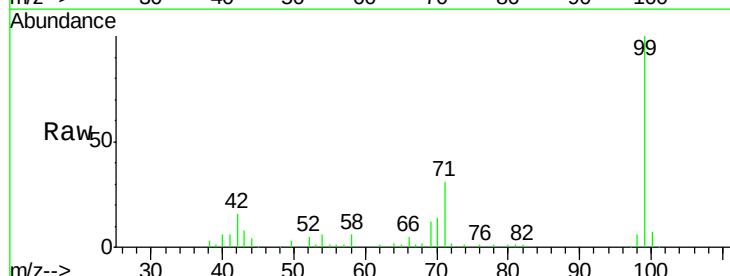
Instrument :
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 NB-08-061417-C

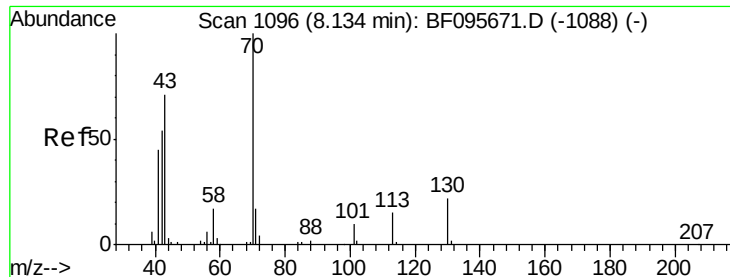
Tgt Ion: 112 Resp: 247648
 Ion Ratio Lower Upper
 112 100
 64 52.1 46.0 69.0
 63 25.9 23.4 35.0



#7
 Phenol-d6
 Concen: 51.404 ng
 RT: 6.87 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: BF096045.D
 Acq: 20 Jun 2017 15:21

Tgt Ion: 99 Resp: 312324
 Ion Ratio Lower Upper
 99 100
 42 16.4 13.5 20.3
 71 31.3 24.5 36.7

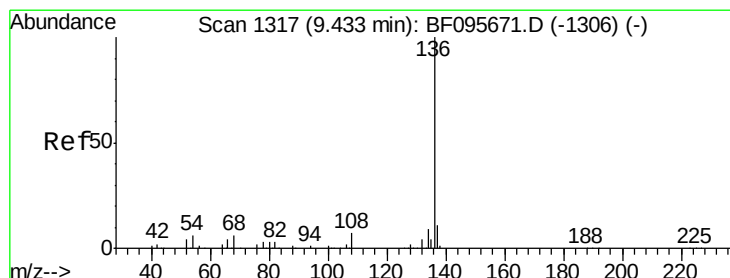
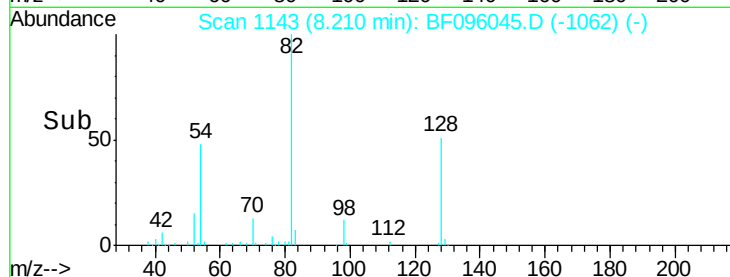
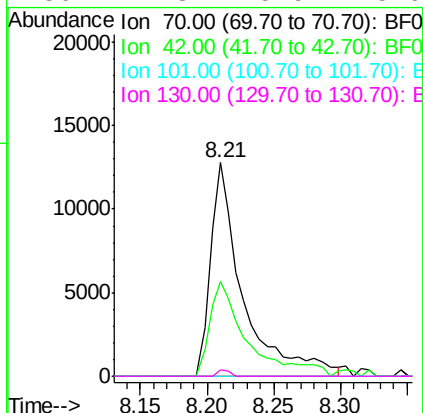
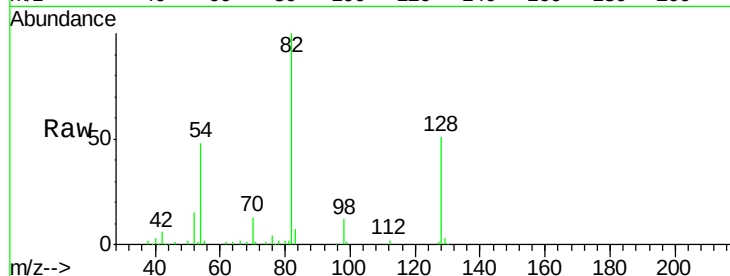




#19
n-Nitroso-di-n-propylamine
Concen: 5.613 ng
RT: 8.21 min Scan# 1143
Delta R.T. 0.18 min
Lab File: BF096045.D
Acq: 20 Jun 2017 15:21

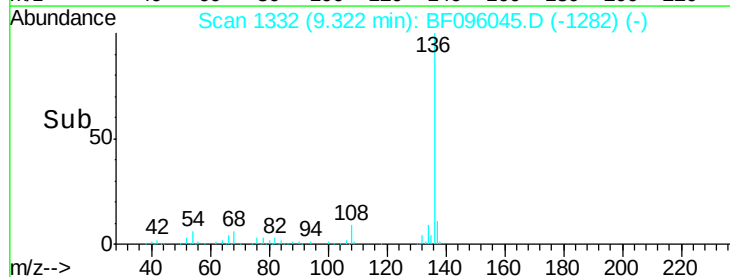
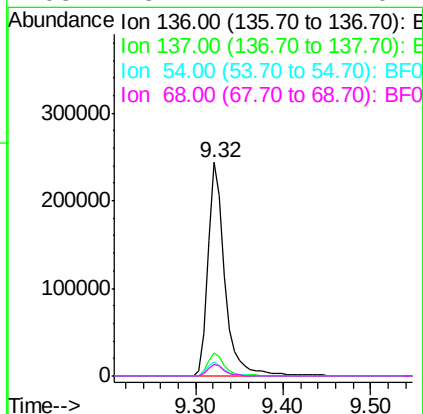
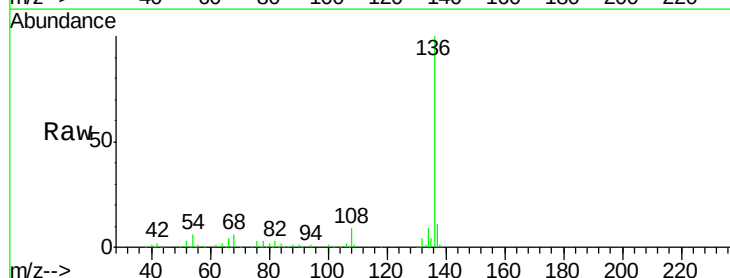
Instrument :
BNA_F
ClientSampleId :
NB-08-061417-C

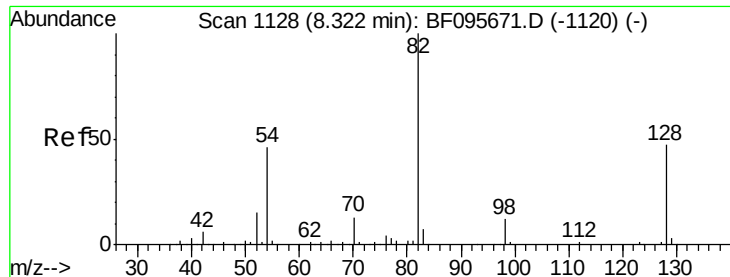
Tgt Ion: 70 Resp: 21611
Ion Ratio Lower Upper
70 100
42 44.3 47.2 70.8#
101 0.0 7.2 10.8#
130 2.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.32 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF096045.D
Acq: 20 Jun 2017 15:21

Tgt Ion: 136 Resp: 328002
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 6.5 4.9 7.3
68 5.7 4.1 6.1

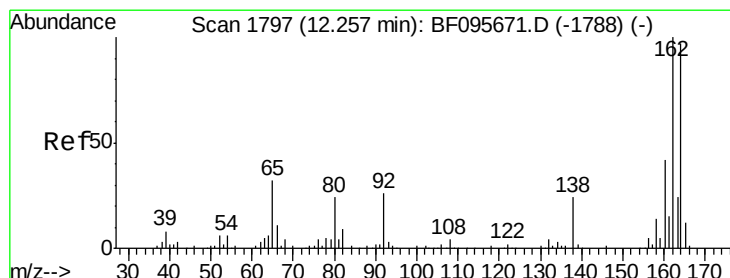
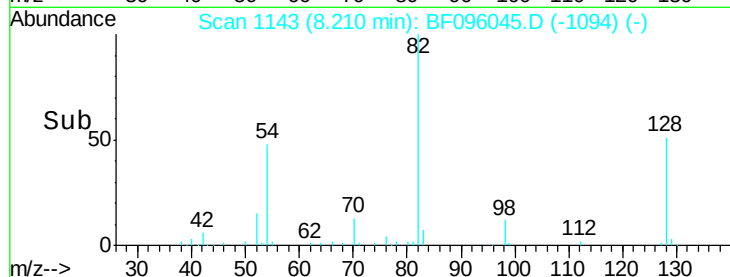
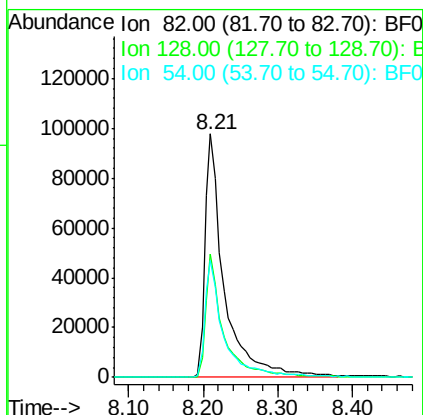
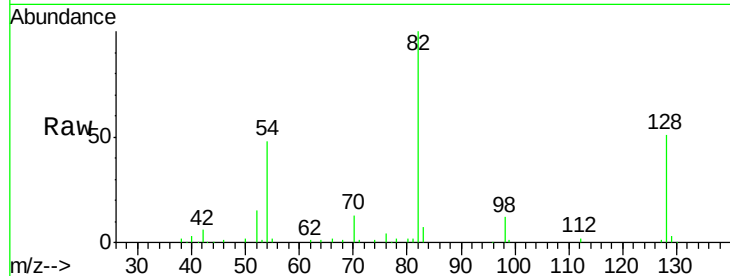




#23
 Nitrobenzene-d5
 Concen: 33.431 ng
 RT: 8.21 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF096045.D
 Acq: 20 Jun 2017 15:21

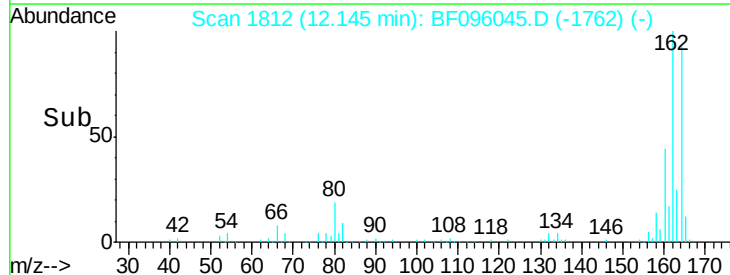
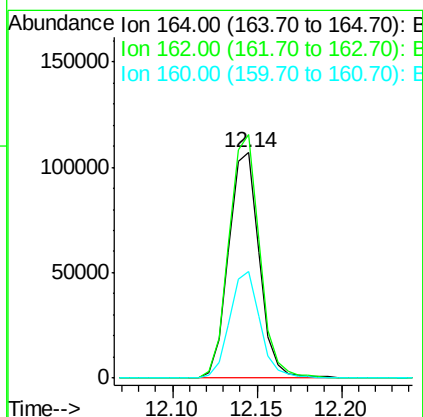
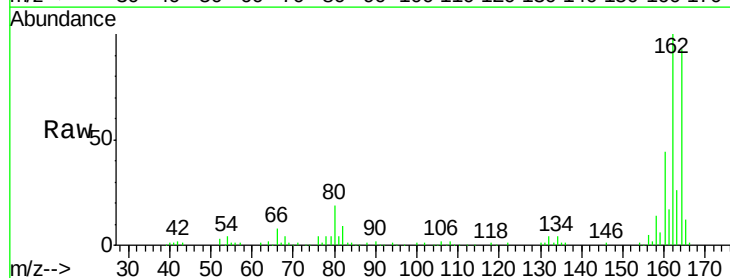
Instrument :
 BNA_F
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 NB-08-061417-C

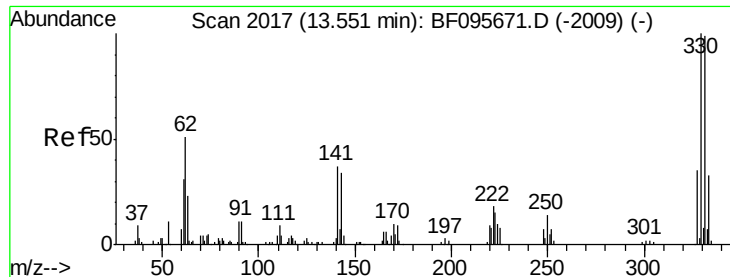
Tgt Ion: 82 Resp: 176562
 Ion Ratio Lower Upper
 82 100
 128 50.7 34.0 51.0
 54 47.9 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.14 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF096045.D
 Acq: 20 Jun 2017 15:21

Tgt Ion: 164 Resp: 134461
 Ion Ratio Lower Upper
 164 100
 162 108.0 82.6 123.8
 160 47.3 36.2 54.2

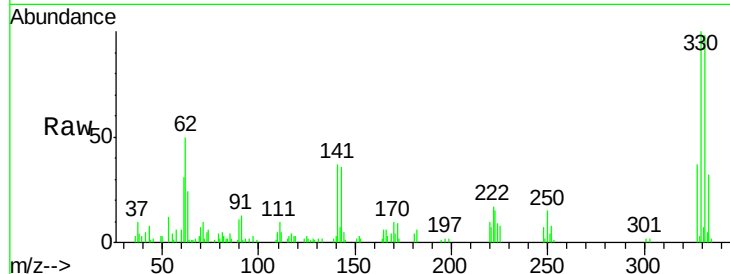




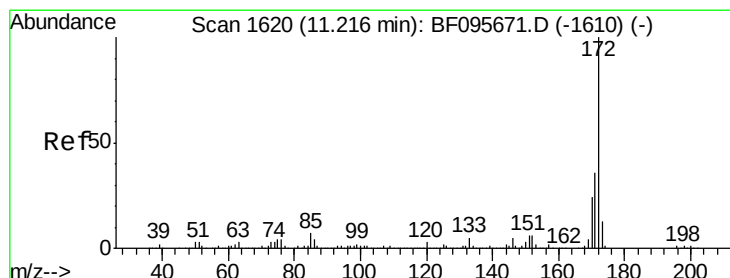
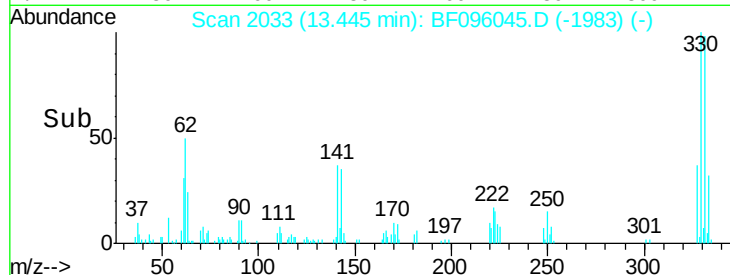
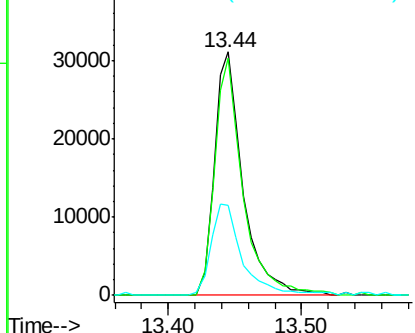
#41
 2,4,6-Tribromophenol
 Concen: 39.188 ng
 RT: 13.44 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF096045.D
 Acq: 20 Jun 2017 15:21

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

Tgt Ion:330 Resp: 46621
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 41.7 31.4 47.2

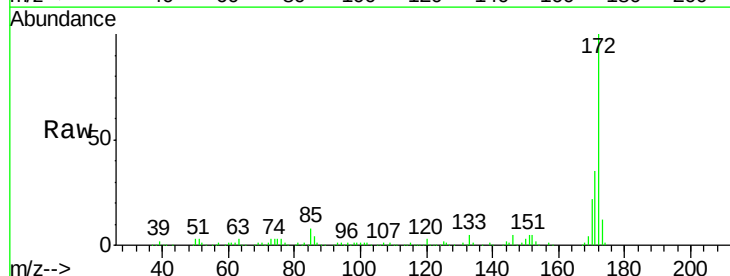


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

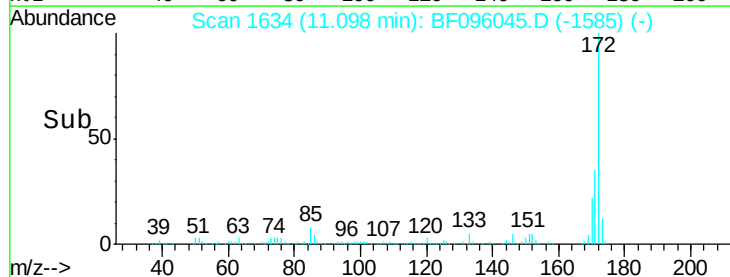
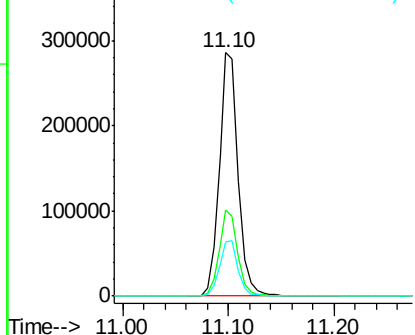


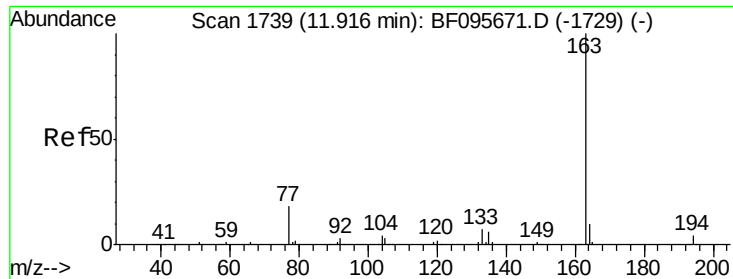
#44
 2-Fluorobiphenyl
 Concen: 36.805 ng
 RT: 11.10 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF096045.D
 Acq: 20 Jun 2017 15:21

Tgt Ion:172 Resp: 355625
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 22.3 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: 5.522 ng

RT: 11.80 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF096045.D

Acq: 20 Jun 2017 15:21

Instrument :

BNA_F

ClientSampleId :

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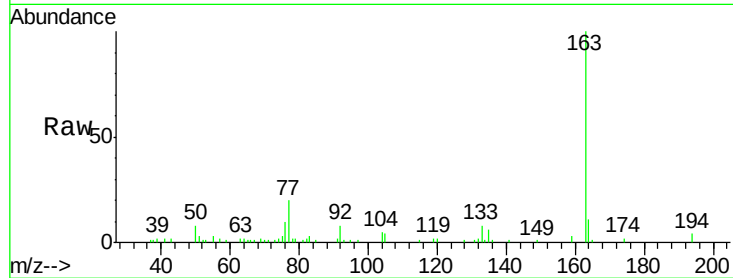
Tgt Ion:163 Resp: 56377

Ion Ratio Lower Upper

163 100

194 3.9 2.6 4.0

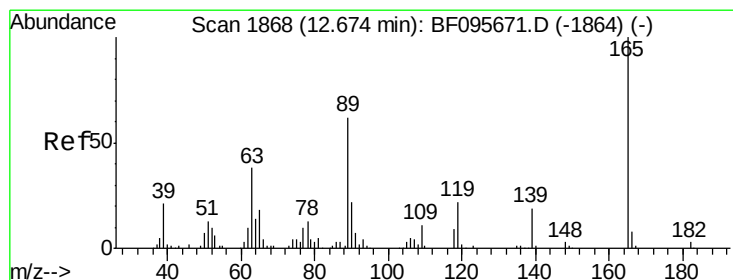
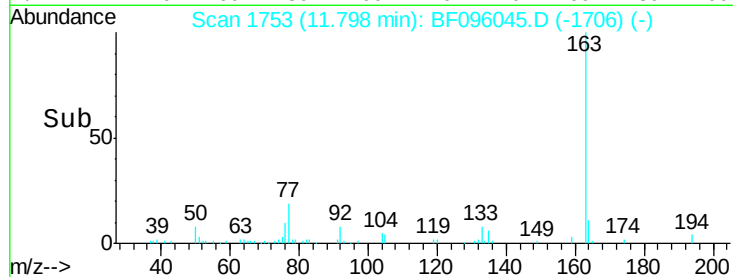
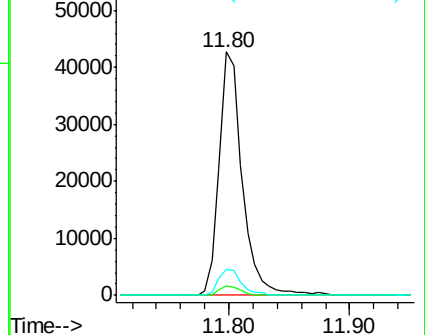
164 10.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#55

4-Nitrophenol

Concen: 6.716 ng

RT: 12.50 min Scan# 1872

Delta R.T. -0.14 min

Lab File: BF096045.D

Acq: 20 Jun 2017 15:21

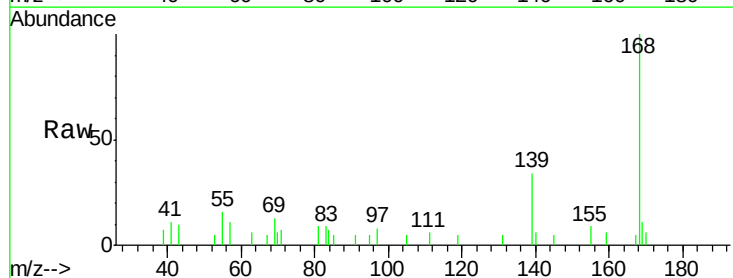
Tgt Ion:139 Resp: 3358

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

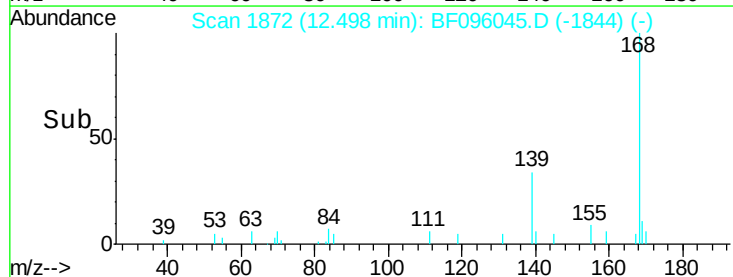
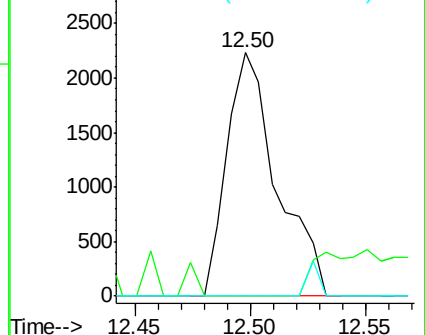
65 0.0 31.4 71.4#

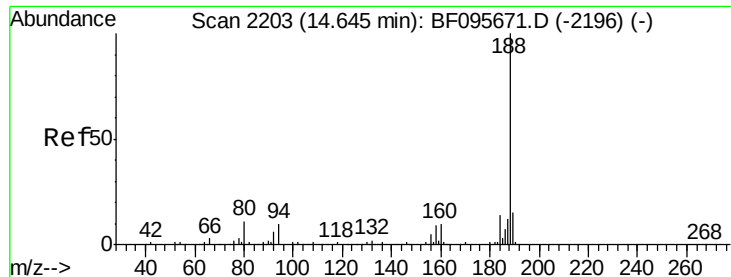


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

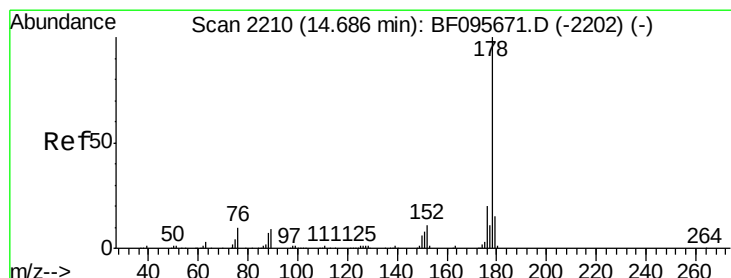
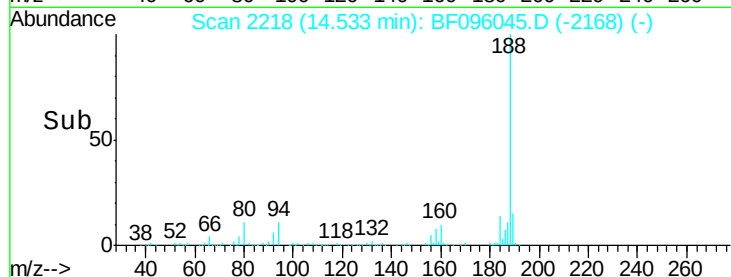
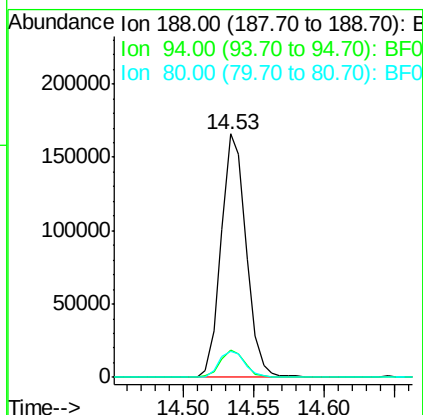
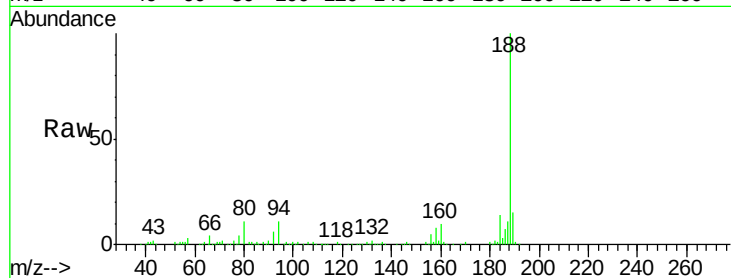




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF096045.D
Acq: 20 Jun 2017 15:21

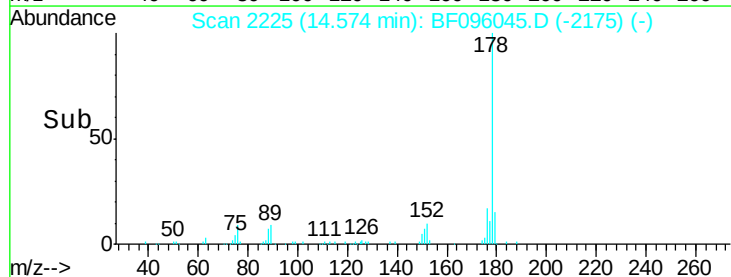
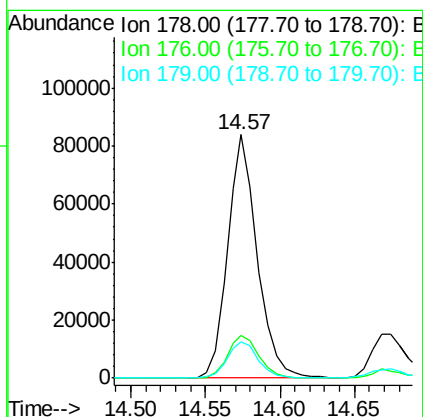
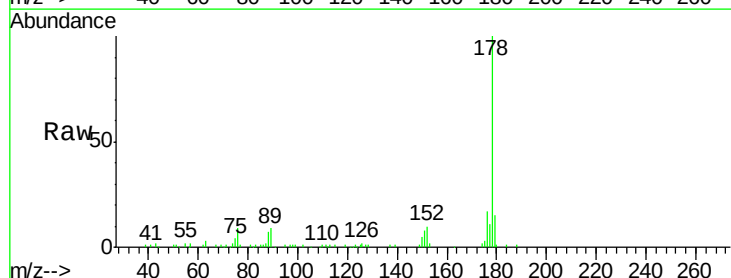
Instrument :
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NB-08-061417-C

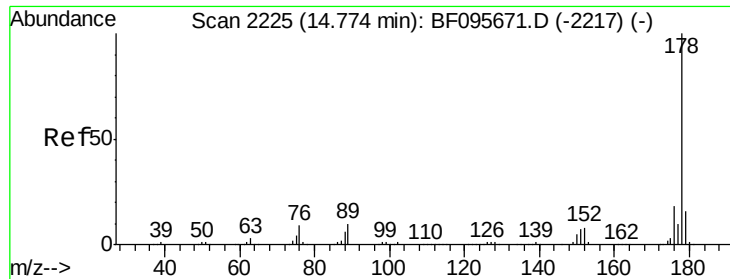
Tgt Ion:188 Resp: 203775
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 10.9 10.2 15.2



#70
Phenanthrene
Concen: 9.879 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096045.D
Acq: 20 Jun 2017 15:21

Tgt Ion:178 Resp: 116158
Ion Ratio Lower Upper
178 100
176 17.4 16.2 24.4
179 15.1 12.6 19.0

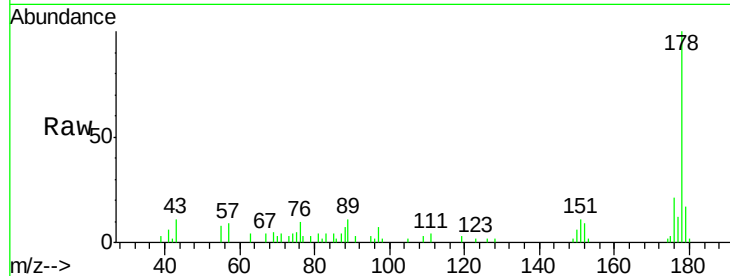




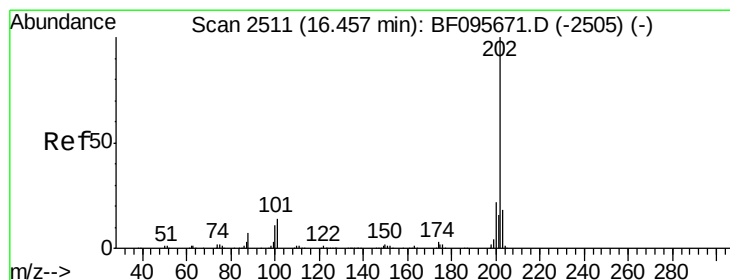
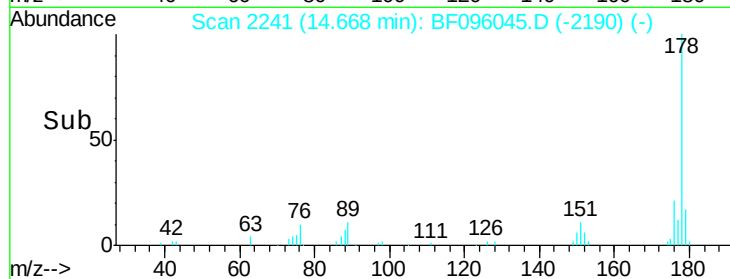
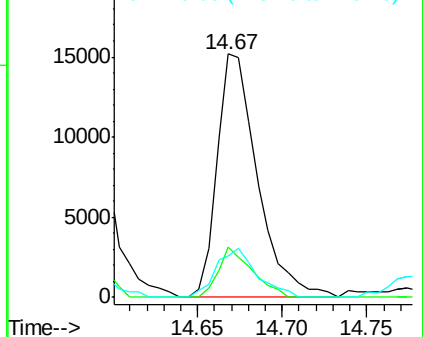
#71
 Anthracene
 Concen: 2.065 ng
 RT: 14.67 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: BF096045.D
 Acq: 20 Jun 2017 15:21

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

Tgt Ion:178 Resp: 25345
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.8 23.8
 179 17.2 12.7 19.1

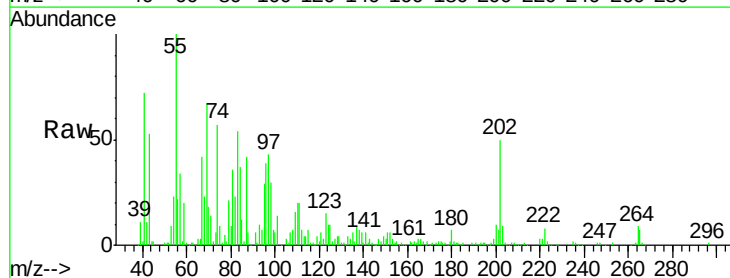


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

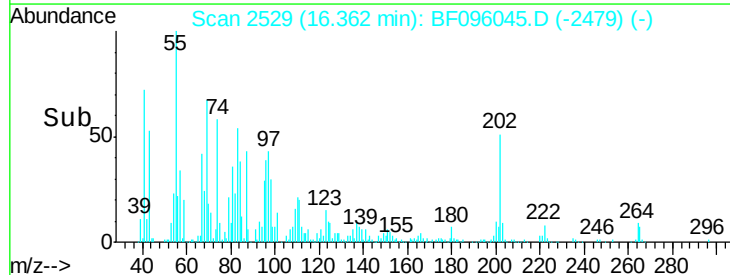
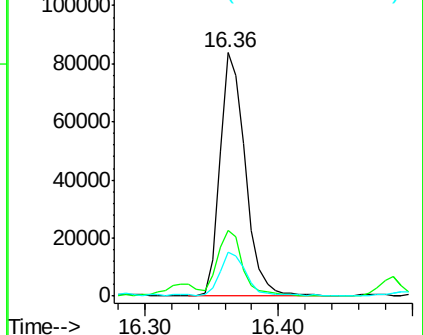


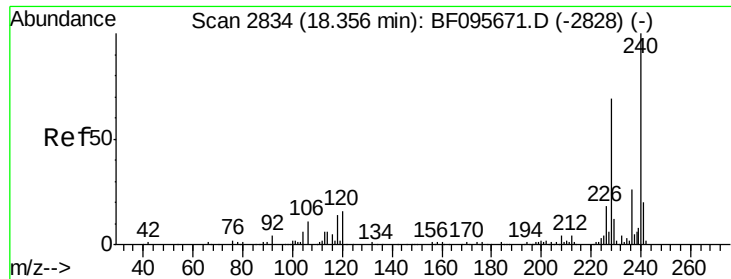
#74
 Fluoranthene
 Concen: 9.667 ng
 RT: 16.36 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF096045.D
 Acq: 20 Jun 2017 15:21

Tgt Ion:202 Resp: 112494
 Ion Ratio Lower Upper
 202 100
 101 27.1 0.0 33.2
 203 18.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.27 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF096045.D

Acq: 20 Jun 2017 15:21

Instrument :

BNA_F

ClientSampleId :

NB-08-061417-C

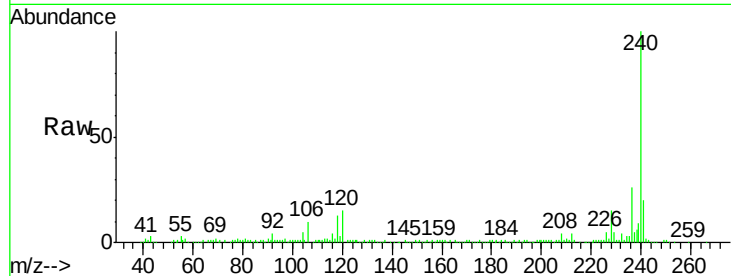
Tgt Ion:240 Resp: 156804

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

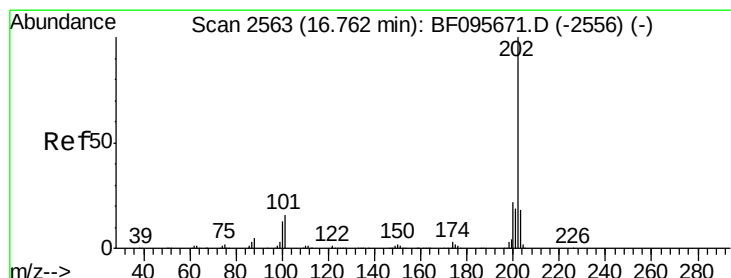
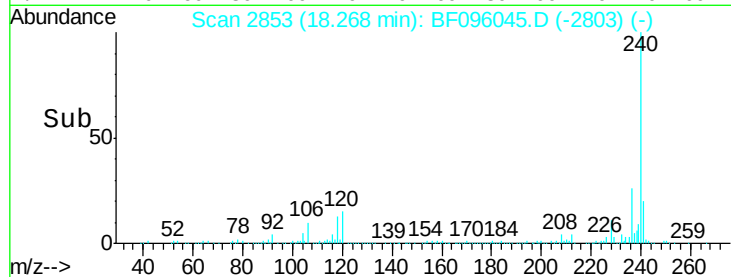
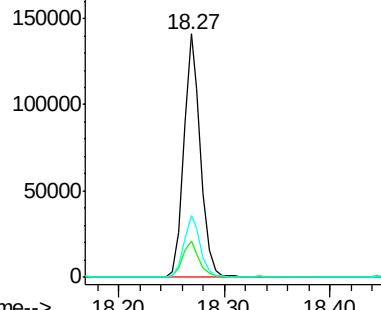
236 25.5 20.5 30.7



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: 9.660 ng

RT: 16.67 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BF096045.D

Acq: 20 Jun 2017 15:21

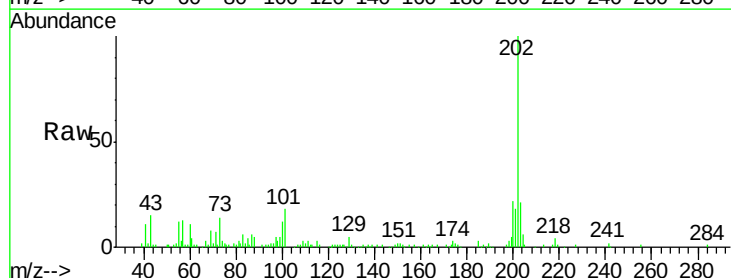
Tgt Ion:202 Resp: 113017

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

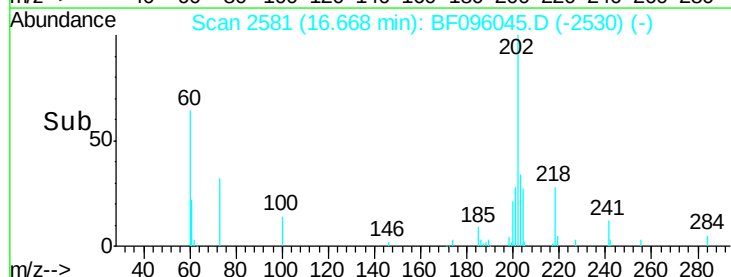
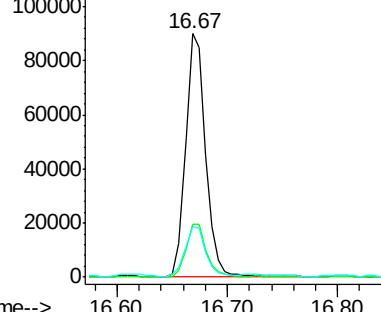
203 20.5 14.4 21.6

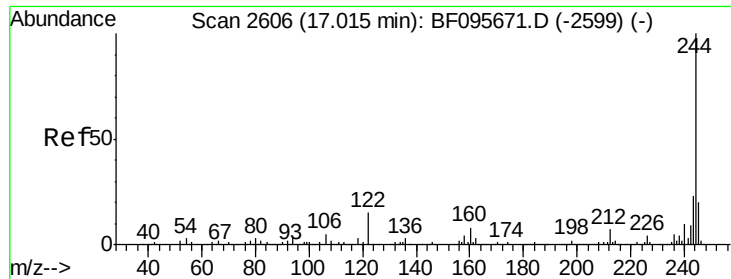


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

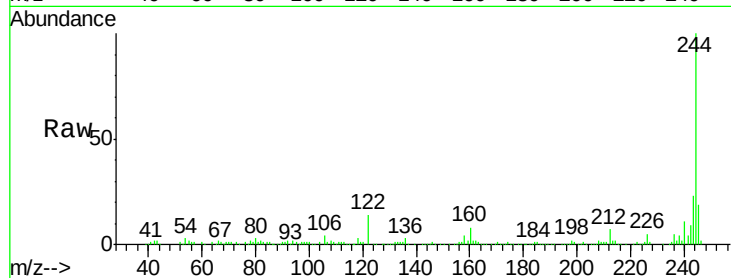




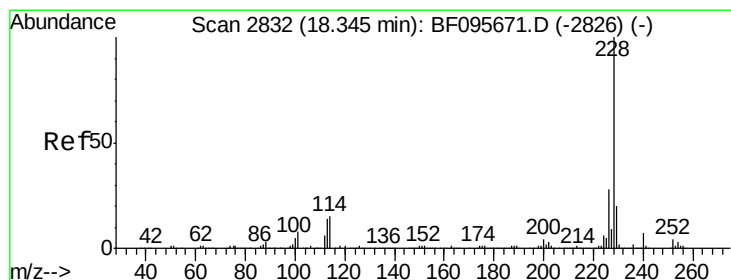
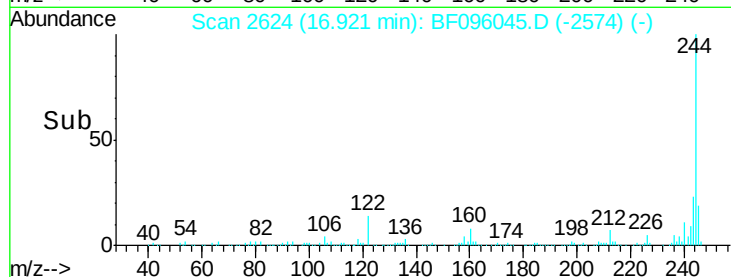
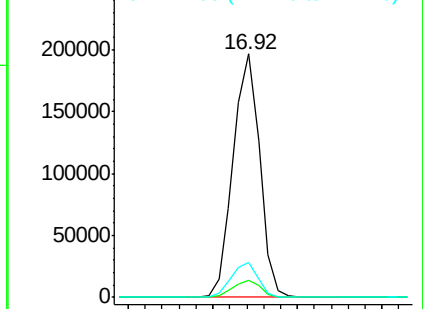
#78
 Terphenyl-d14
 Concen: 34.122 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096045.D
 Acq: 20 Jun 2017 15:21

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

Tgt Ion:244 Resp: 215594
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.5 10.3 15.5

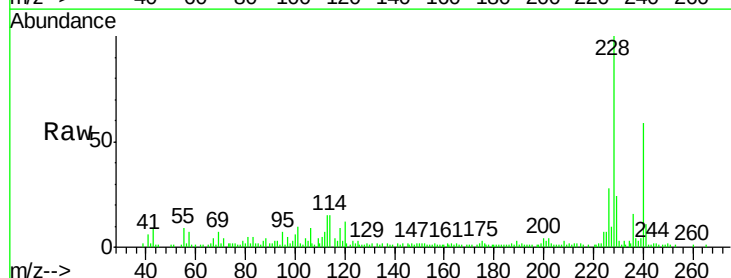


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

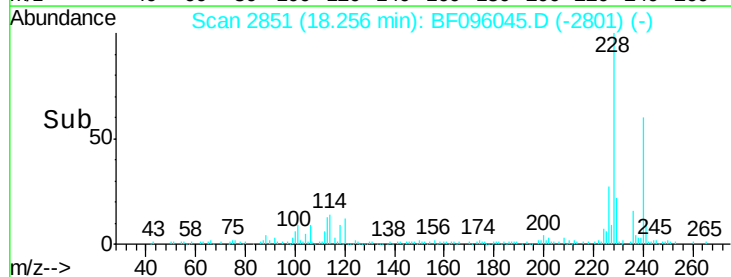
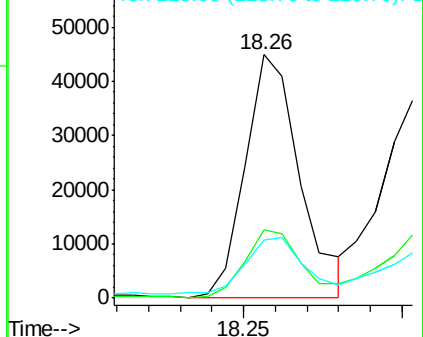


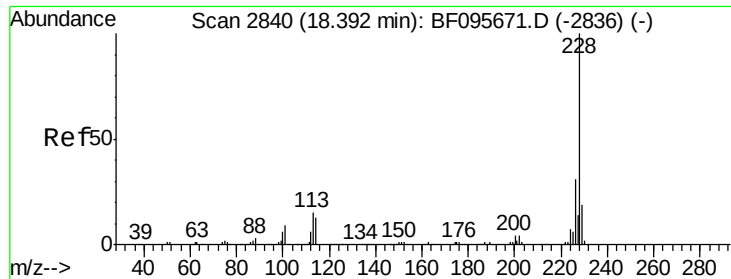
#80
 Benzo(a)anthracene
 Concen: 5.925 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF096045.D
 Acq: 20 Jun 2017 15:21

Tgt Ion:228 Resp: 54020
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.6 33.8
 229 23.7 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.781 ng

RT: 18.30 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BF096045.D

Acq: 20 Jun 2017 15:21

Instrument :

BNA_F

ClientSampleId :

NB-08-061417-C

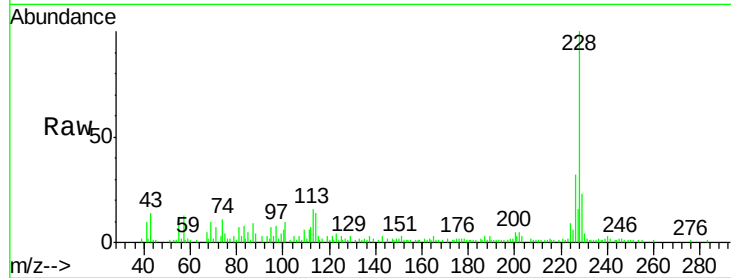
Tgt Ion:228 Resp: 52666

Ion Ratio Lower Upper

228 100

226 32.2 24.9 37.3

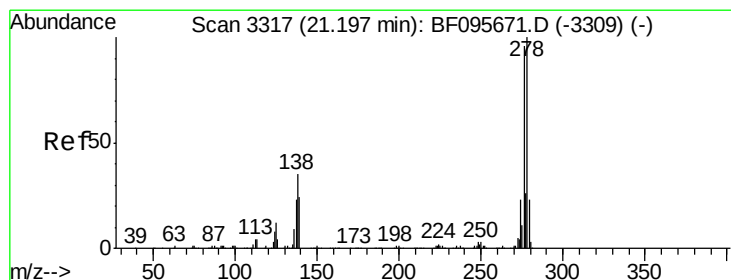
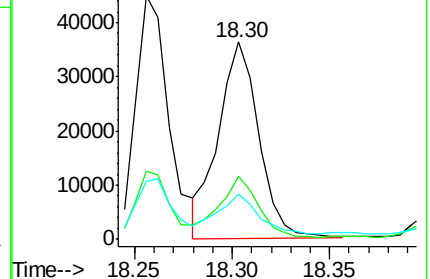
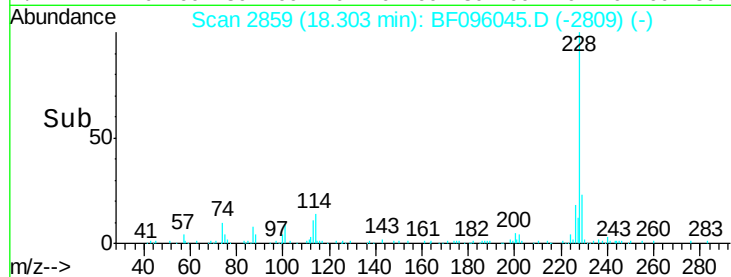
229 22.8 15.8 23.6



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: 3.035 ng

RT: 21.12 min Scan# 3338

Delta R.T. 0.02 min

Lab File: BF096045.D

Acq: 20 Jun 2017 15:21

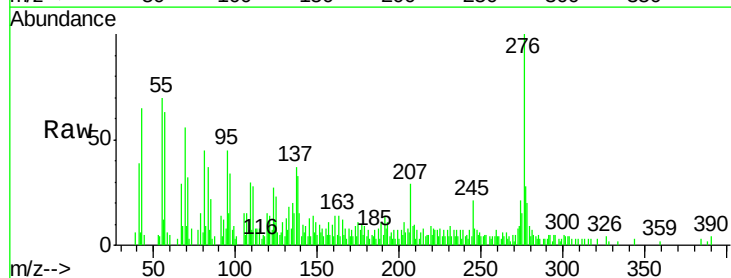
Tgt Ion:276 Resp: 23661

Ion Ratio Lower Upper

276 100

138 33.0 27.8 41.6

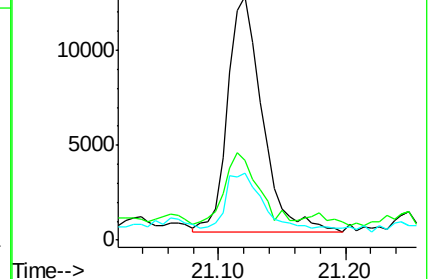
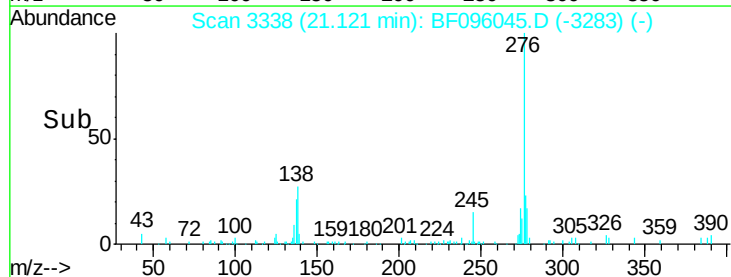
277 24.3 20.2 30.4

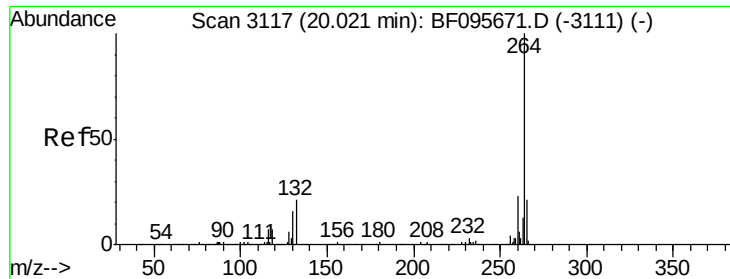


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

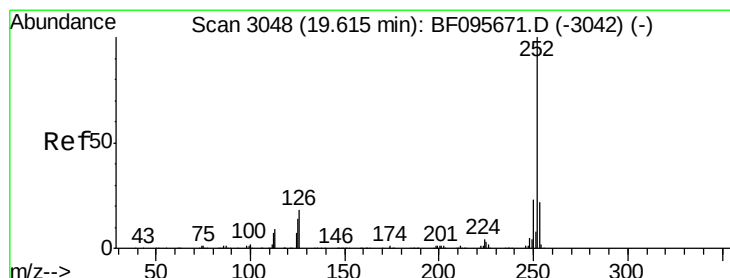
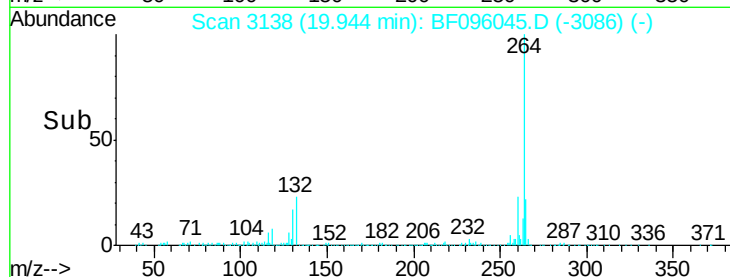
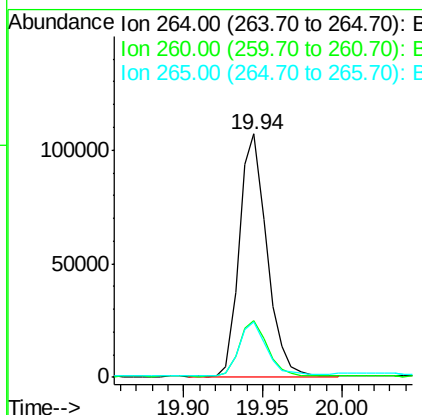
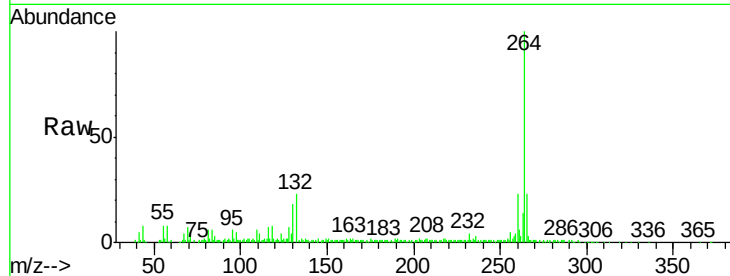




#86
Perylene-d12
Concen: 20.000 ng
RT: 19.94 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BF096045.D
Acq: 20 Jun 2017 15:21

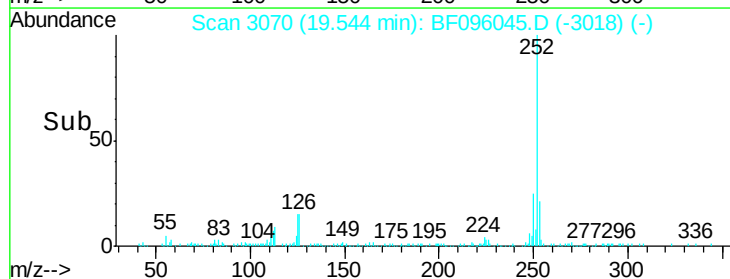
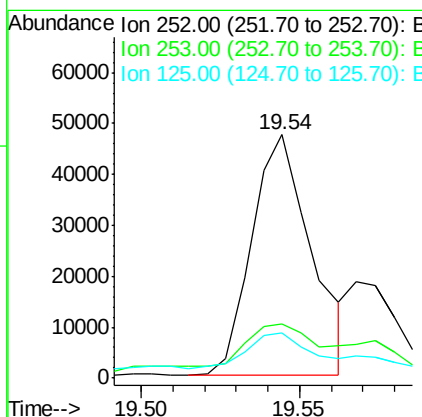
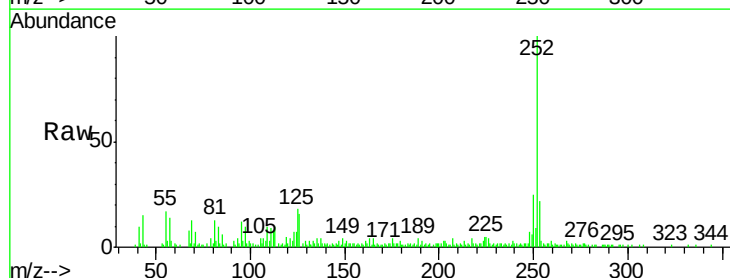
Instrument :
BNA_F
ClientSampleId :
NB-08-061417-C

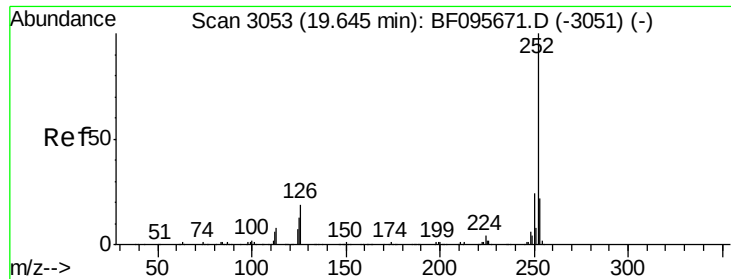
Tgt Ion:264 Resp: 128227
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 22.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.718 ng
RT: 19.54 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BF096045.D
Acq: 20 Jun 2017 15:21

Tgt Ion:252 Resp: 61971
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 18.4 9.8 14.8#

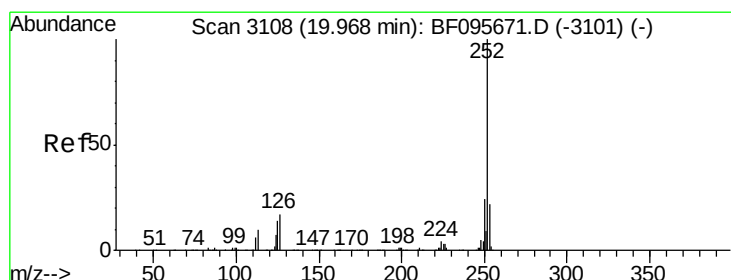
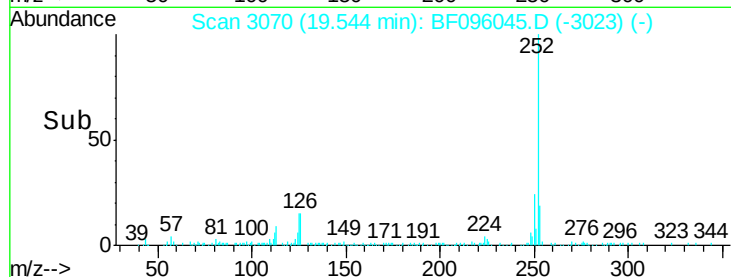
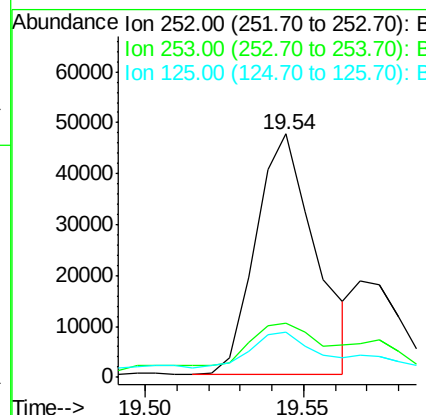
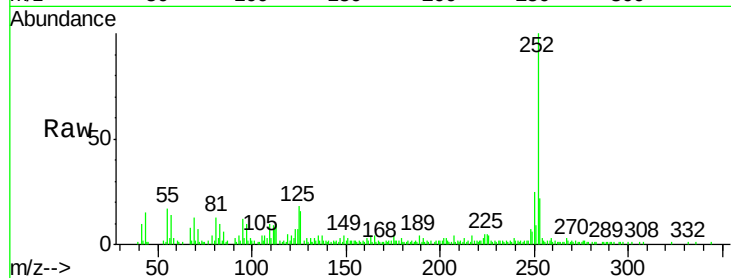




#88
Benzo(k)fluoranthene
Concen: 8.075 ng
RT: 19.54 min Scan# 3070
Delta R.T. -0.02 min
Lab File: BF096045.D
Acq: 20 Jun 2017 15:21

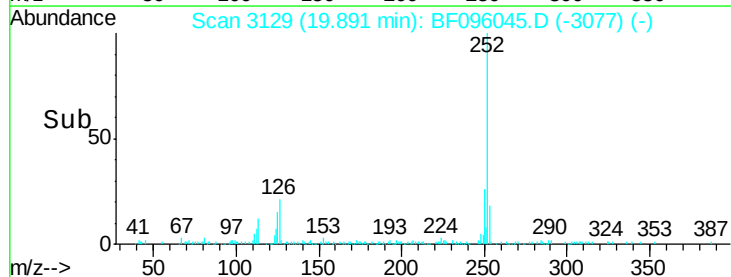
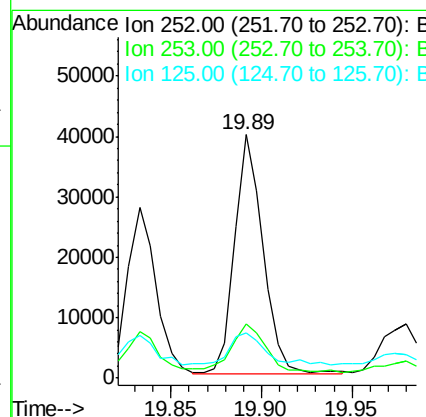
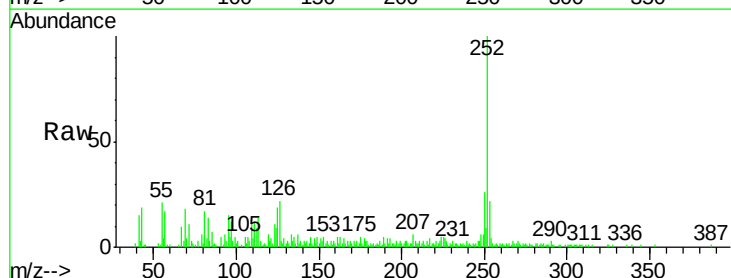
Instrument :
BNA_F
ClientSampleId :
NB-08-061417-C

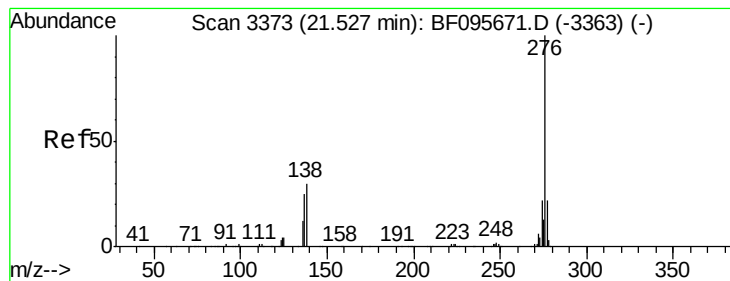
Tgt Ion:252 Resp: 61971
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 18.4 13.1 19.7



#89
Benzo(a)pyrene
Concen: 5.839 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096045.D
Acq: 20 Jun 2017 15:21

Tgt Ion:252 Resp: 43090
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 18.6 11.0 16.4#





#91

Benzo(g,h,i)perylene

Concen: 3.405 ng

RT: 21.44 min Scan# 3393

Delta R.T. 0.02 min

Lab File: BF096045.D

Acq: 20 Jun 2017 15:21

Instrument :

BNA_F

ClientSampleId :

NB-08-061417-C

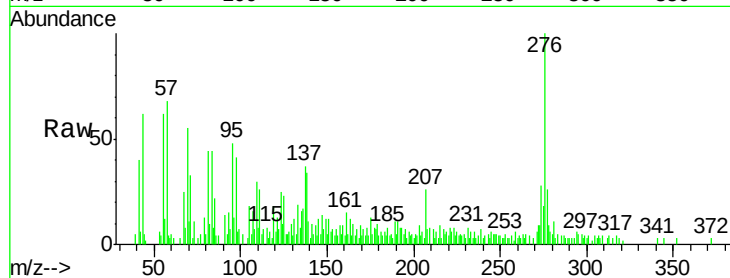
Tgt Ion: 276 Resp: 21730

Ion Ratio Lower Upper

276 100

277 25.7 18.6 28.0

138 34.1 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

