

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
 Data File : BF096832.D
 Acq On : 17 Jul 2017 21:09
 Operator : SJ/JU
 Sample : I4203-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-SB03A

Quant Time: Jul 18 02:15:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	113003	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	462529	20.00	ng	-0.02
38) Acenaphthene-d10	9.64	164	154737	20.00	ng	-0.03
63) Phenanthrene-d10	11.12	188	227838	20.00	ng	-0.02
75) Chrysene-d12	13.76	240	155950	20.00	ng	-0.01
86) Perylene-d12	15.14	264	142034	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	646232	85.99	ng	0.00
7) Phenol-d6	6.27	99	818191	90.72	ng	-0.01
23) Nitrobenzene-d5	7.17	82	478317	64.06	ng	-0.03
41) 2,4,6-Tribromophenol	10.43	330	97585	73.88	ng	-0.03
44) 2-Fluorobiphenyl	8.97	172	764200	78.03	ng	-0.03
78) Terphenyl-d14	12.70	244	421825	46.91	ng	-0.03

Target Compounds

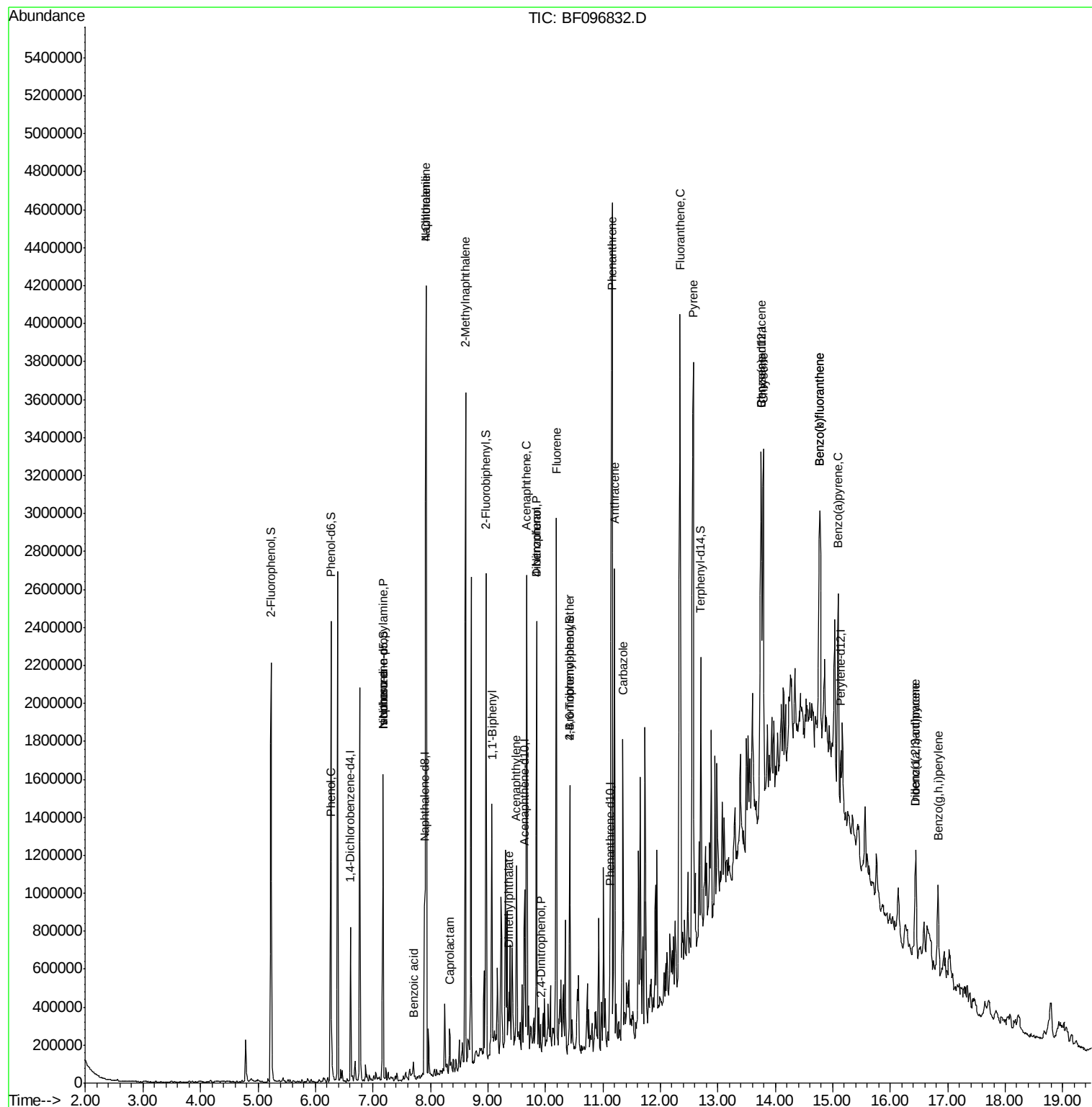
						Qvalue
10) Phenol	6.28	94	47247	4.634	ng	95
19) n-Nitroso-di-n-propylamine	7.17	70	65008	11.964	ng	# 89
25) Isophorone	7.17	82	466253	33.565	ng	# 67
31) Naphthalene	7.92	128	2323041	106.022	ng	99
32) Benzoic acid	7.70	122	17082	3.783	ng	# 12
33) 4-Chloroaniline	7.92	127	318418	36.679	ng	# 32
35) Caprolactam	8.33	113	4350	2.123	ng	# 1
37) 2-Methylnaphthalene	8.61	142	1075358	76.982	ng	99
45) 1,1'-Biphenyl	9.07	154	319445	24.071	ng	99
48) Acenaphthylene	9.50	152	339776	21.822	ng	98
49) Dimethylphthalate	9.36	163	76718	6.585	ng	# 97
51) Acenaphthene	9.67	154	590973	64.251	ng	99
53) 2,4-Dinitrophenol	9.93	184	397	7.032	ng	# 4
54) Dibenzofuran	9.85	168	887268	68.837	ng	100
55) 4-Nitrophenol	9.85	139	344704	157.821	ng	# 28
57) Fluorene	10.19	166	823341	86.443	ng	97
60) 4-Chlorophenyl-phenylether	10.09	204	113	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.43	248	6062	2.606	ng	# 1
70) Phenanthrene	11.16	178	3037162	245.163	ng	100
71) Anthracene	11.20	178	944988	75.445	ng	99
72) Carbazole	11.35	167	598651	49.355	ng	98
74) Fluoranthene	12.35	202	2566240	216.418	ng	99
77) Pyrene	12.57	202	2045303	144.511	ng	99
80) Benzo(a)anthracene	13.75	228	1186971	122.156	ng	99
82) Chrysene	13.79	228	914863	95.638	ng	97
85) Indeno(1,2,3-cd)pyrene	16.44	276	353613	39.708	ng	97
87) Benzo(b)fluoranthene	14.77	252	1424645	166.309	ng	# 94
88) Benzo(k)fluoranthene	14.77	252	1424645	175.627	ng	98
89) Benzo(a)pyrene	15.09	252	670212	85.303	ng	# 93
90) Dibenzo(a,h)anthracene	16.44	278	98878	13.677	ng	# 84
91) Benzo(g,h,i)perylene	16.83	276	338480	43.722	ng	99

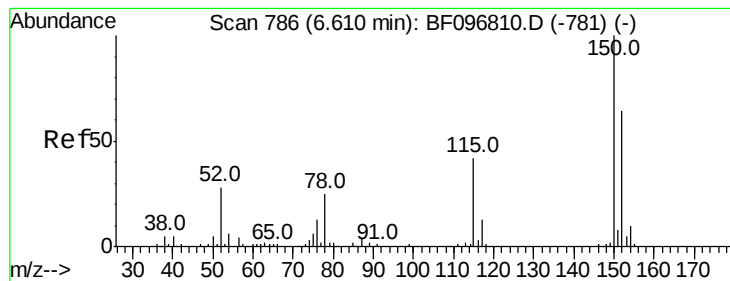
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.61 min Scan# 786

Delta R.T. -0.02 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

Instrument :

BNA_F

ClientSampleId :

NB-SB03A

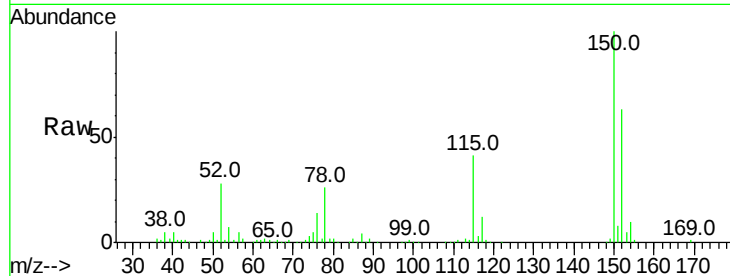
Tot Ion:152 Resp: 113003

Ion Ratio Lower Upper

152 100

150 157.9 126.2 189.2

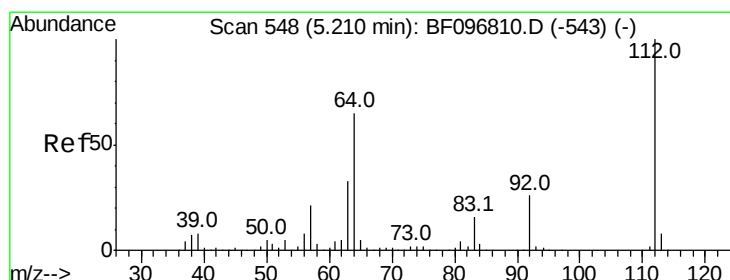
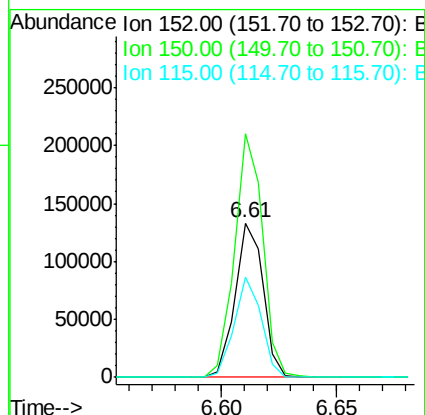
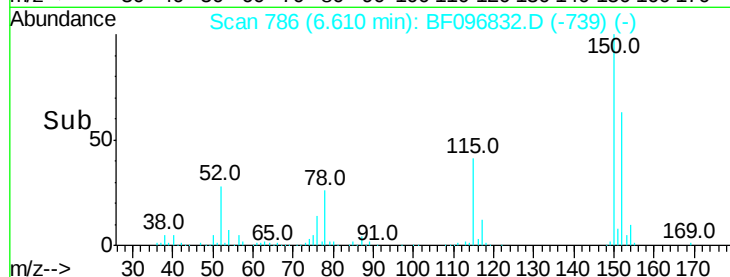
115 64.8 52.2 78.2



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



#5

2-Fluorophenol

Concen: 85.986 ng

RT: 5.23 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

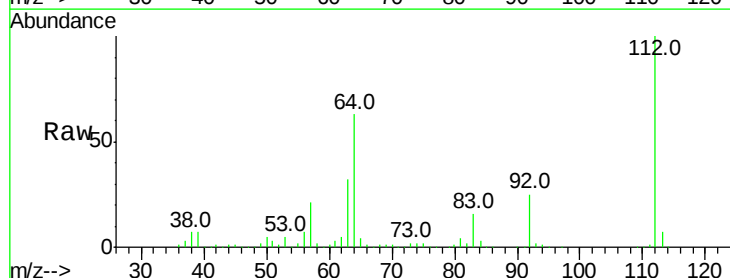
Tgt Ion:112 Resp: 646232

Ion Ratio Lower Upper

112 100

64 62.6 46.0 69.0

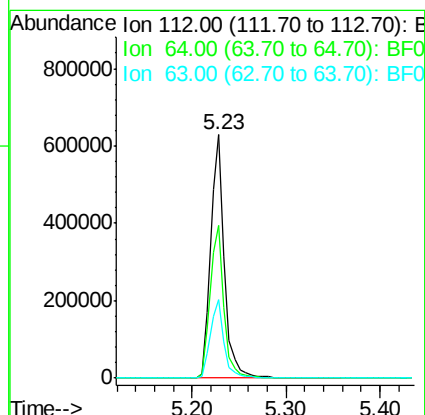
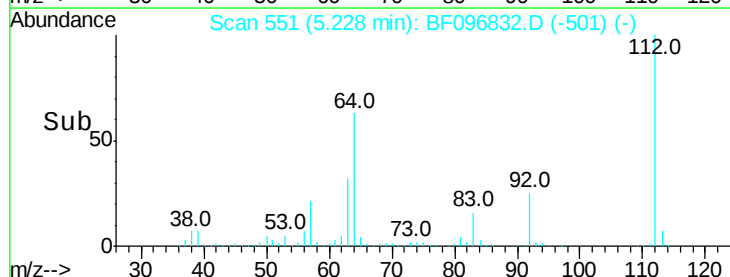
63 32.2 23.4 35.0

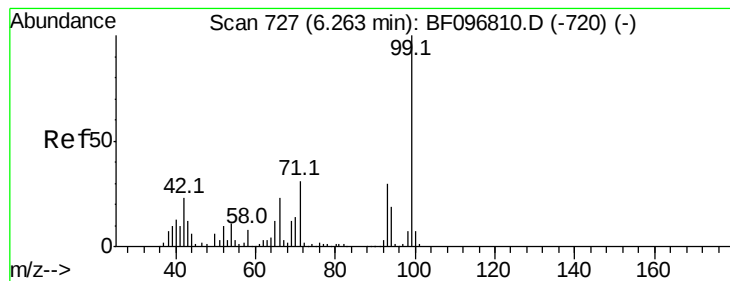


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 90.720 ng

RT: 6.27 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

Instrument :

BNA_F

ClientSampleId :

NB-SB03A

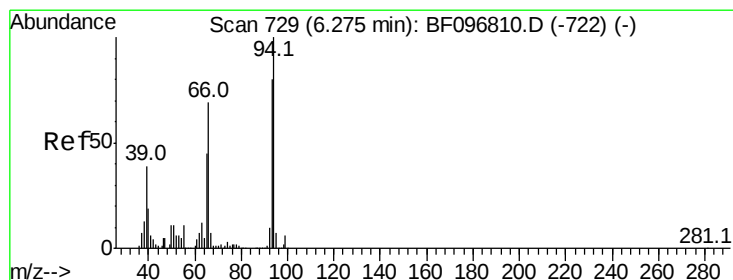
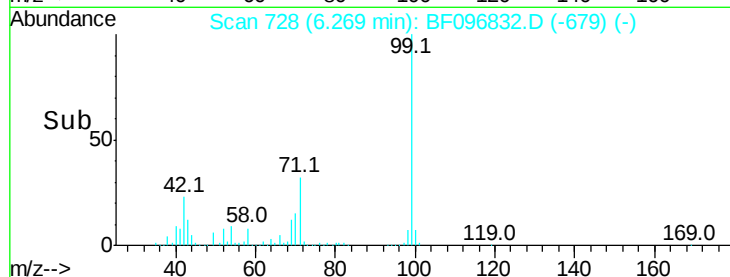
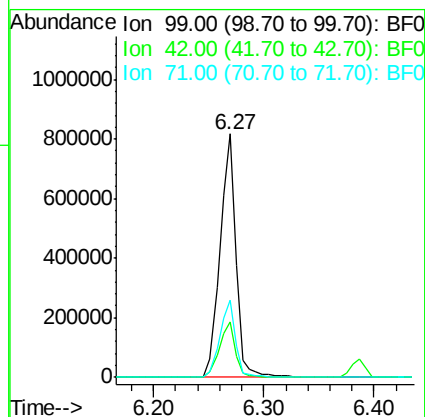
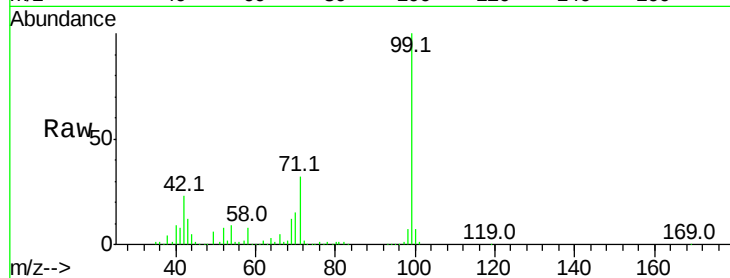
Tot Ion: 99 Resp: 818191

Ion Ratio Lower Upper

99 100

42 22.9 13.5 20.3#

71 31.6 24.5 36.7



#10

Phenol

Concen: 4.634 ng

RT: 6.28 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

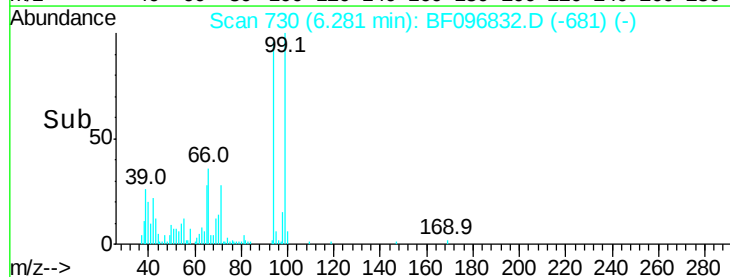
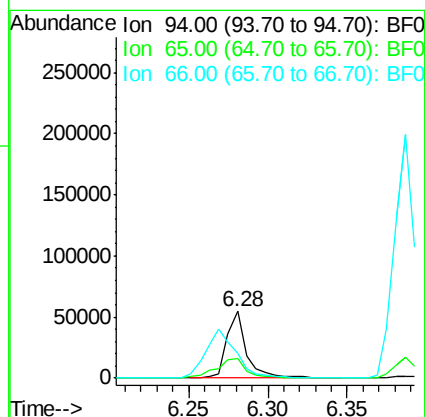
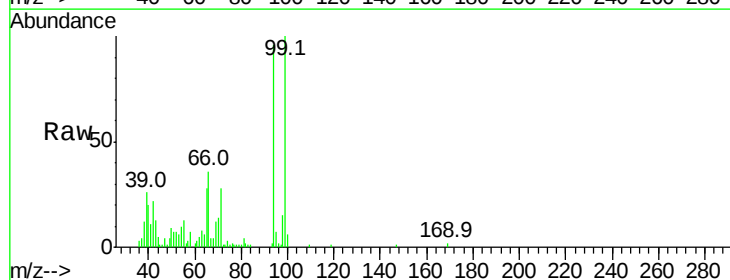
Tgt Ion: 94 Resp: 47247

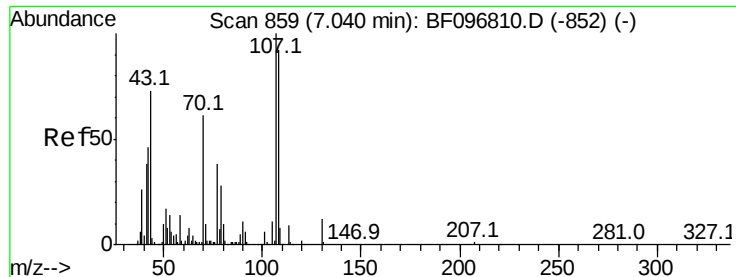
Ion Ratio Lower Upper

94 100

65 29.2 9.9 49.9

66 37.7 23.1 63.1

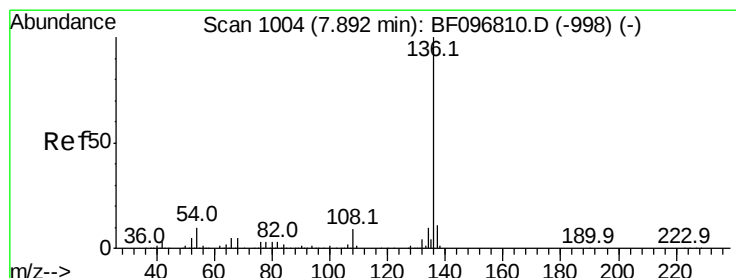
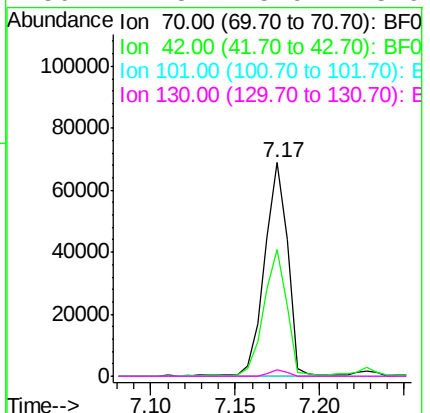
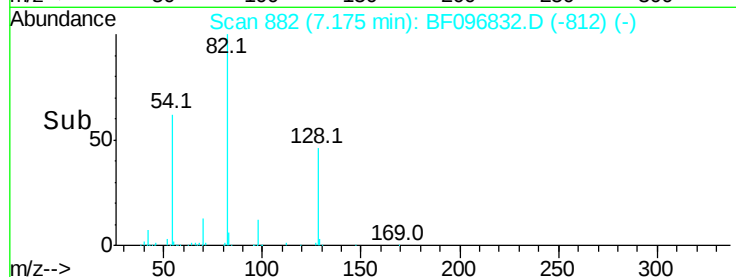
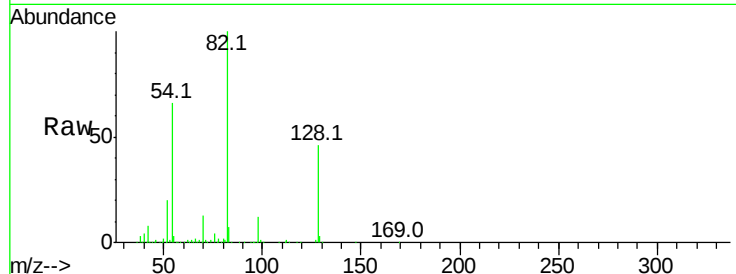




#19
n-Nitroso-di-n-propylamine
Concen: 11.964 ng
RT: 7.17 min Scan# 882
Delta R.T. 0.11 min
Lab File: BF096832.D
Acq: 17 Jul 2017 21:09

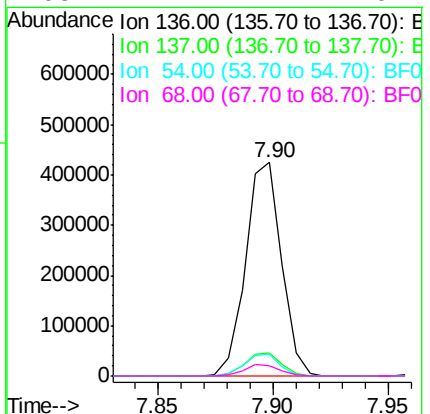
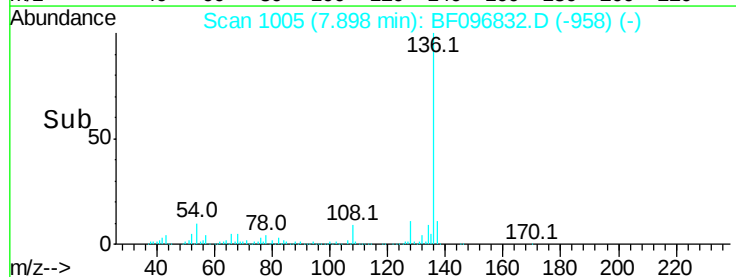
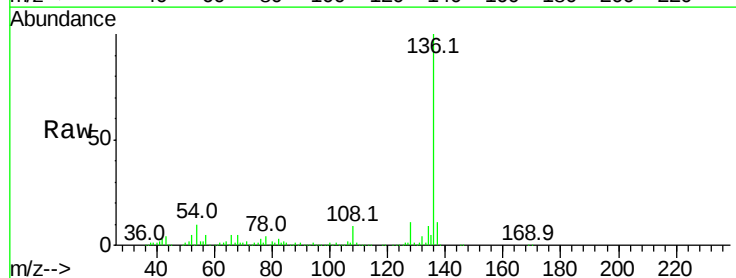
Instrument :
BNA_F
ClientSampled :
NB-SB03A

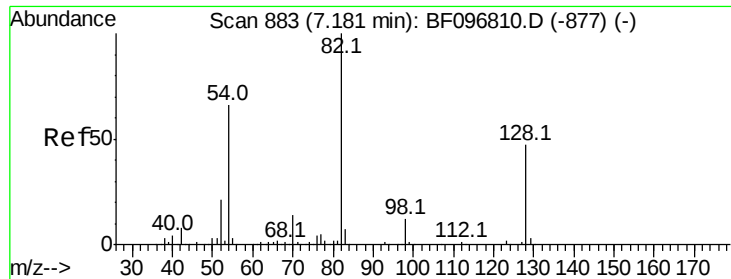
Tot Ion: 70 Resp: 65008
Ion Ratio Lower Upper
70 100
42 59.1 47.2 70.8
101 0.0 7.2 10.8#
130 2.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.90 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF096832.D
Acq: 17 Jul 2017 21:09

Tgt Ion:136 Resp: 462529
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 9.9 4.9 7.3#
68 4.7 4.1 6.1

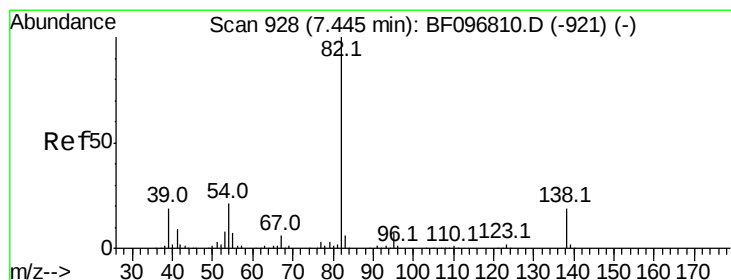
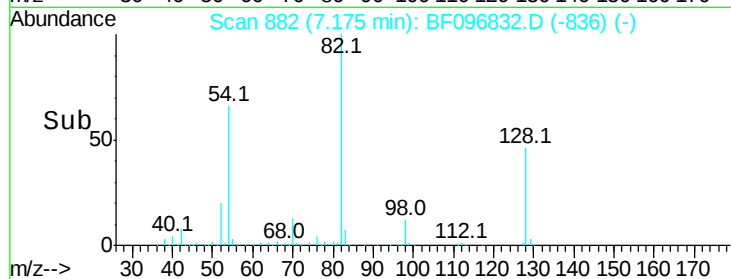
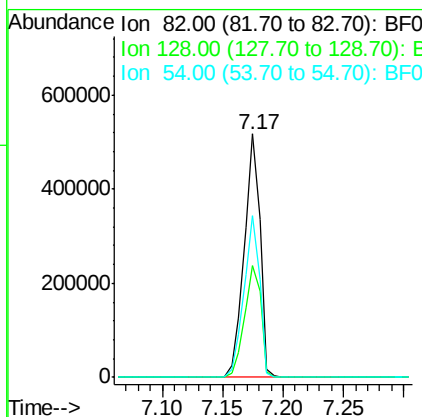
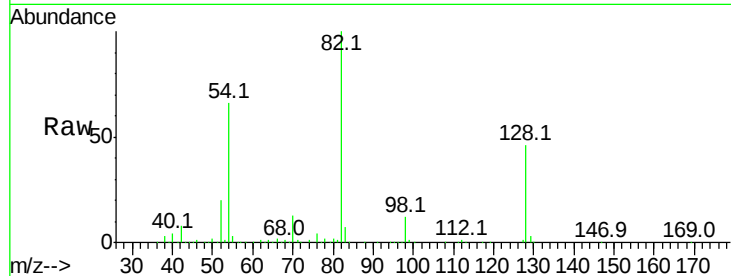




#23
 Nitrobenzene-d5
 Concen: 64.055 ng
 RT: 7.17 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: BF096832.D
 Acq: 17 Jul 2017 21:09

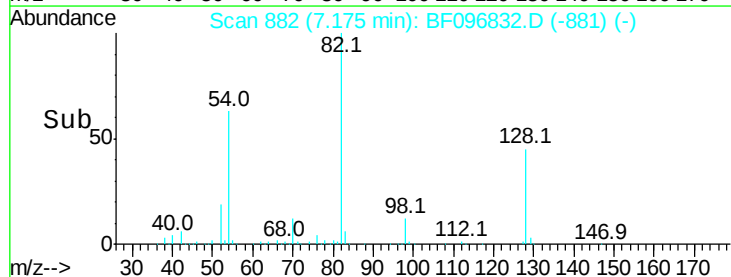
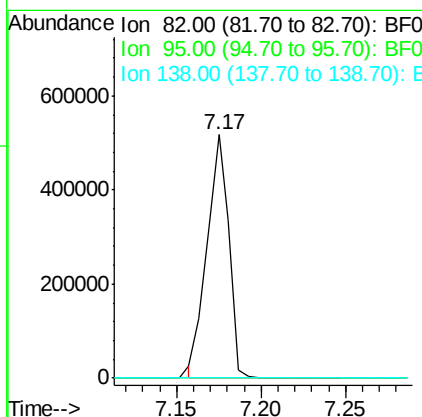
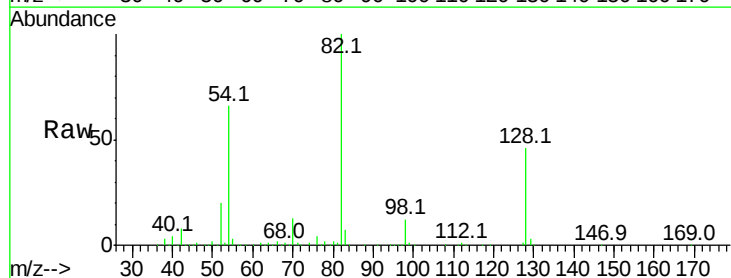
Instrument :
 BNA_F
 ClientSampleId :
 NB-SB03A

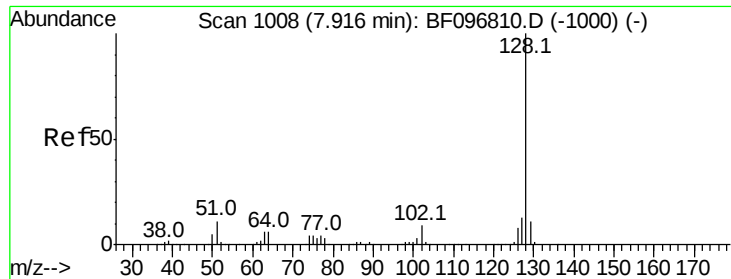
Tot Ion: 82 Resp: 478317
 Ion Ratio Lower Upper
 82 100
 128 45.8 34.0 51.0
 54 66.3 42.2 63.2#



#25
 Isophorone
 Concen: 33.565 ng
 RT: 7.17 min Scan# 882
 Delta R.T. -0.29 min
 Lab File: BF096832.D
 Acq: 17 Jul 2017 21:09

Tgt Ion: 82 Resp: 466253
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.3 7.9#
 138 0.0 13.1 19.7#

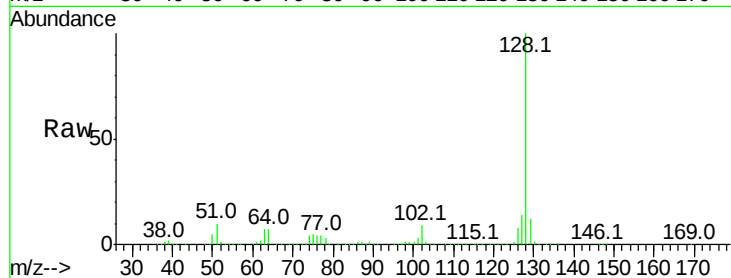




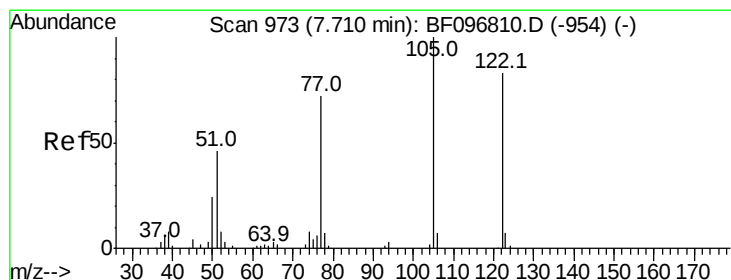
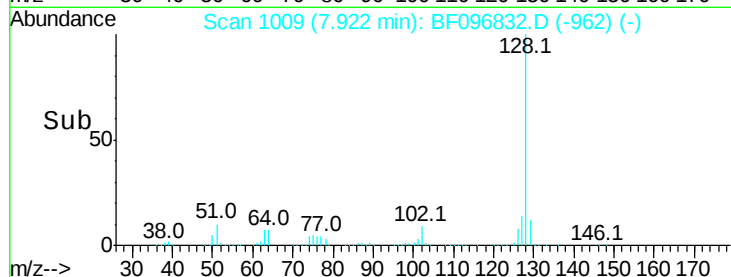
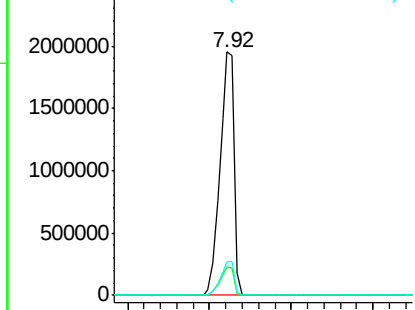
#31
Naphthalene
Concen: 106.022 ng
RT: 7.92 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BF096832.D
Acq: 17 Jul 2017 21:09

Instrument :
BNA_F
ClientSampleId :
NB-SB03A

Tot Ion:128 Resp: 2323041
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.6
127 14.0 10.8 16.2

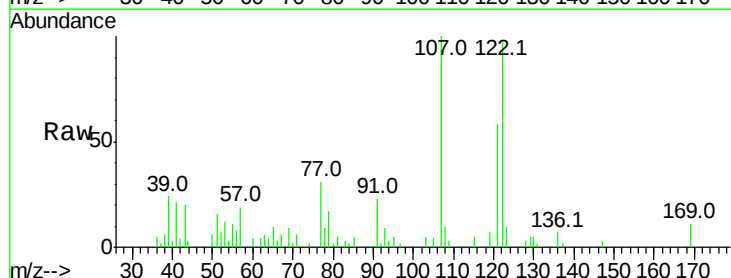


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

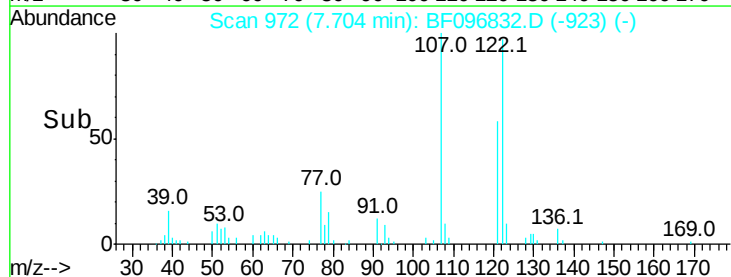
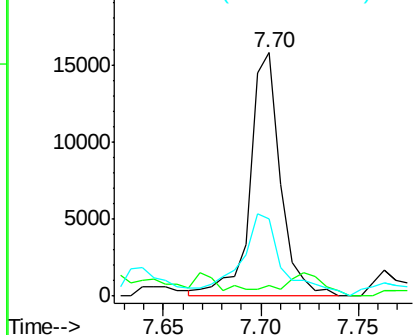


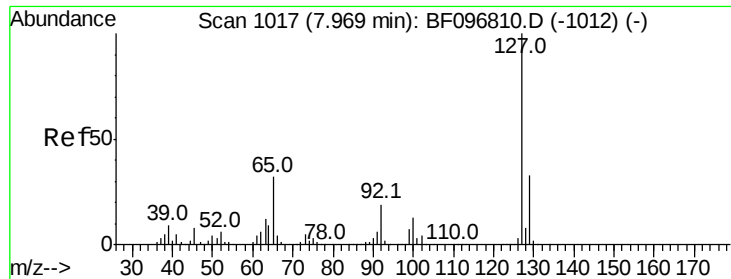
#32
Benzoic acid
Concen: 3.783 ng
RT: 7.70 min Scan# 972
Delta R.T. -0.01 min
Lab File: BF096832.D
Acq: 17 Jul 2017 21:09

Tgt Ion:122 Resp: 17082
Ion Ratio Lower Upper
122 100
105 4.5 103.3 143.3#
77 31.6 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

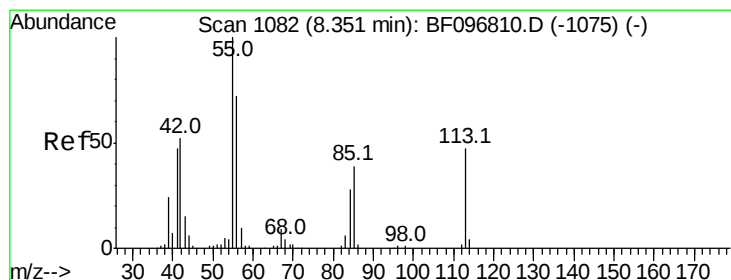
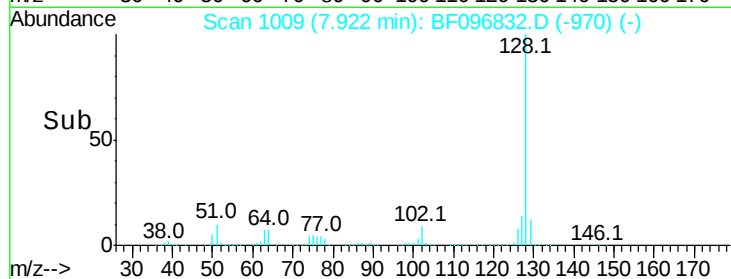
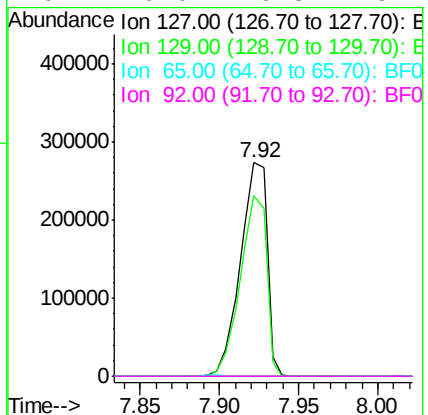
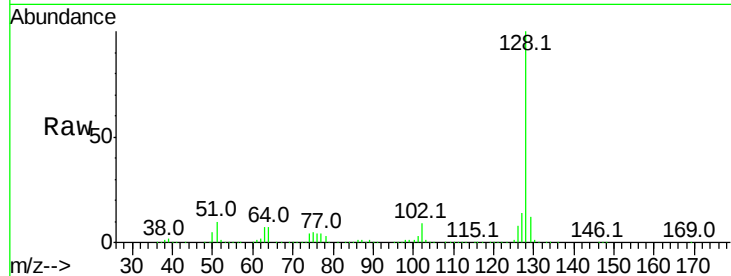




#33
4-Chloroaniline
Concen: 36.679 ng
RT: 7.92 min Scan# 1009
Delta R.T. -0.07 min
Lab File: BF096832.D
Acq: 17 Jul 2017 21:09

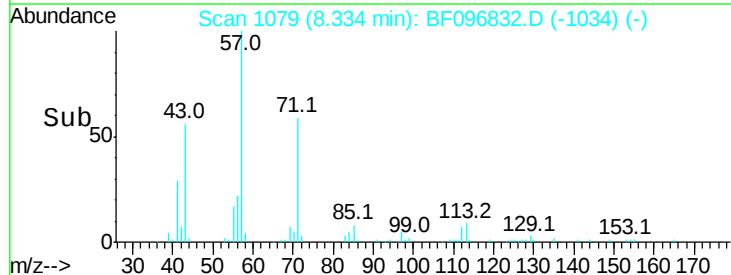
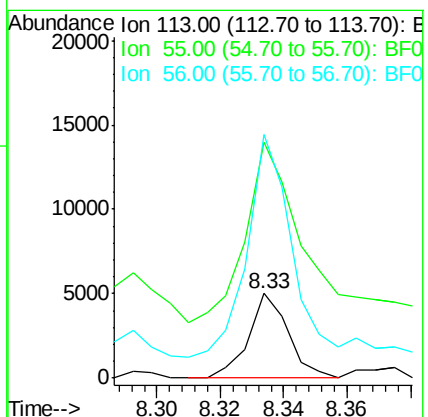
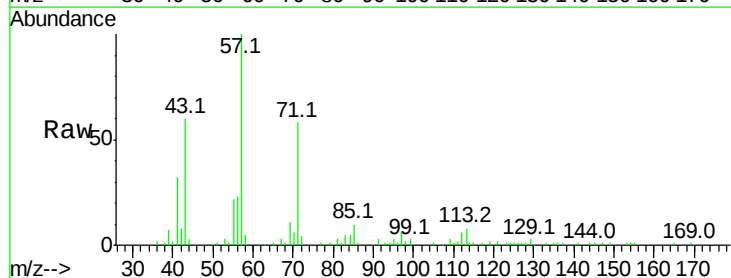
Instrument :
BNA_F
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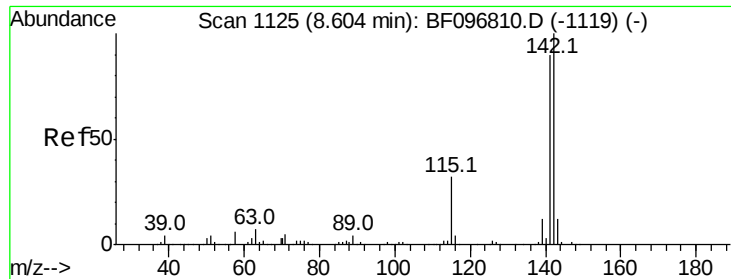
Tot Ion:127 Resp: 318418
Ion Ratio Lower Upper
127 100
129 84.6 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#



#35
Caprolactam
Concen: 2.123 ng
RT: 8.33 min Scan# 1079
Delta R.T. -0.04 min
Lab File: BF096832.D
Acq: 17 Jul 2017 21:09

Tgt Ion:113 Resp: 4350
Ion Ratio Lower Upper
113 100
55 279.1 150.2 190.2#
56 288.7 107.8 147.8#

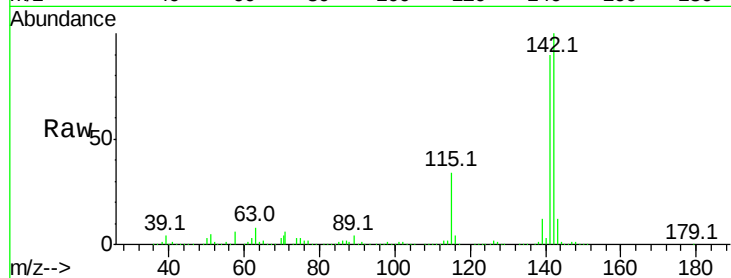




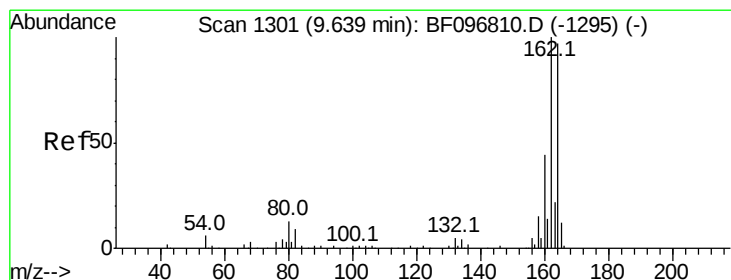
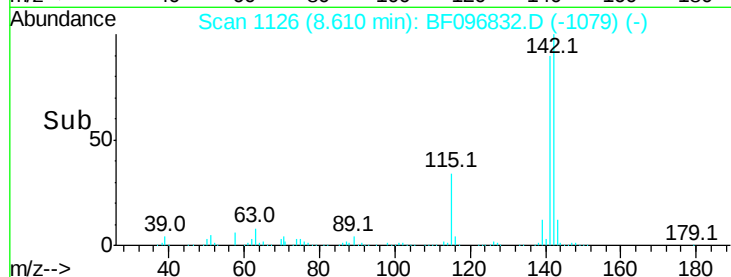
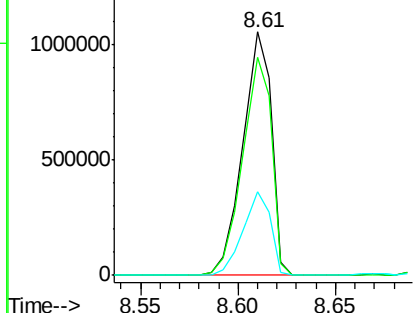
#37
 2-Methylnaphthalene
 Concen: 76.982 ng
 RT: 8.61 min Scan# 1126
 Delta R.T. -0.02 min
 Lab File: BF096832.D
 Acq: 17 Jul 2017 21:09

Instrument :
 BNA_F
 ClientSampleId :
 NB-SB03A

Tot Ion:142 Resp: 1075358
 Ion Ratio Lower Upper
 142 100
 141 89.7 71.3 106.9
 115 34.3 27.1 40.7

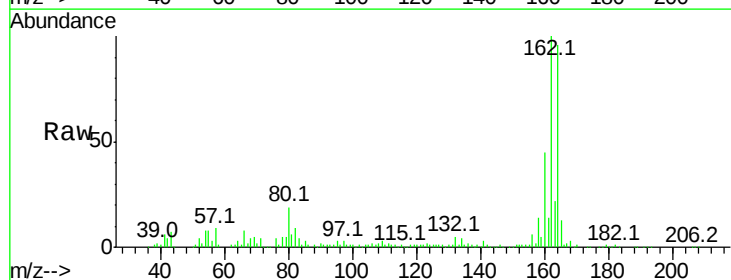


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

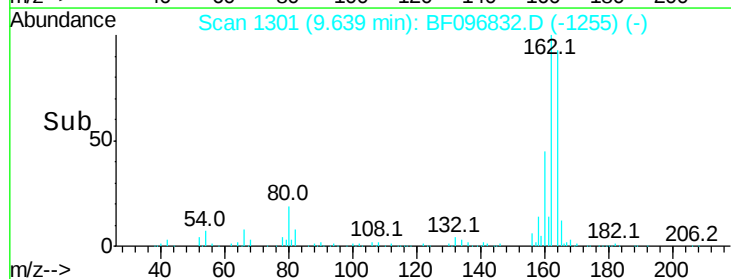
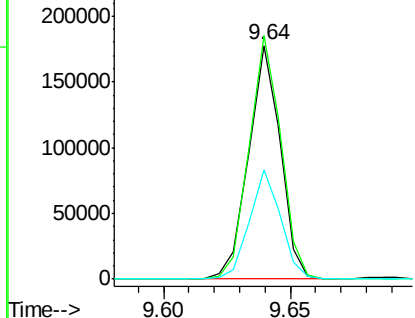


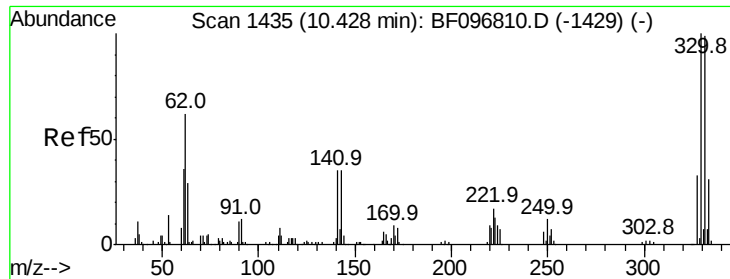
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.64 min Scan# 1301
 Delta R.T. -0.03 min
 Lab File: BF096832.D
 Acq: 17 Jul 2017 21:09

Tgt Ion:164 Resp: 154737
 Ion Ratio Lower Upper
 164 100
 162 104.2 82.6 123.8
 160 47.0 36.2 54.2



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

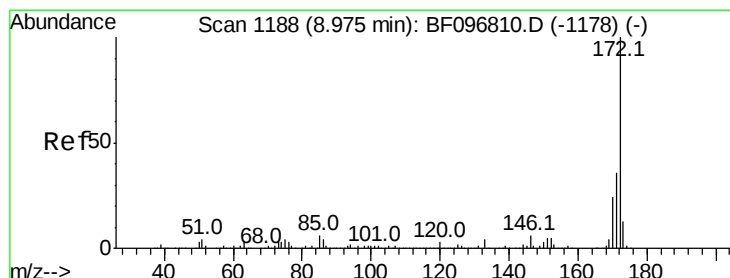
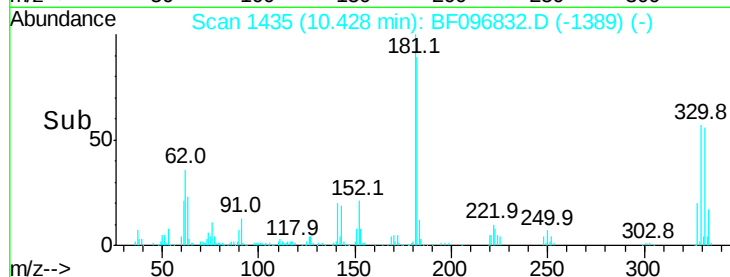
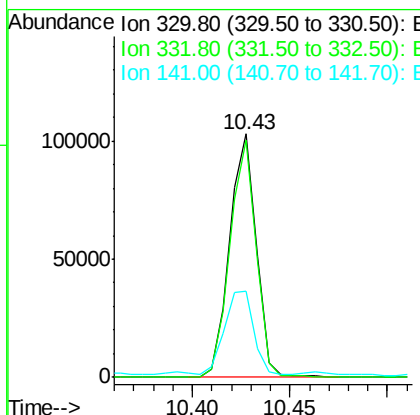
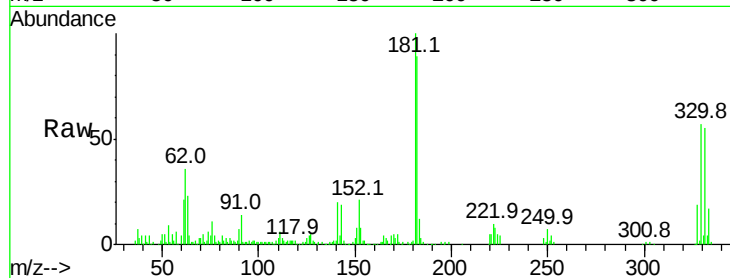




#41
 2,4,6-Tribromophenol
 Concen: 73.883 ng
 RT: 10.43 min Scan# 1435
 Delta R.T. -0.03 min
 Lab File: BF096832.D
 Acq: 17 Jul 2017 21:09

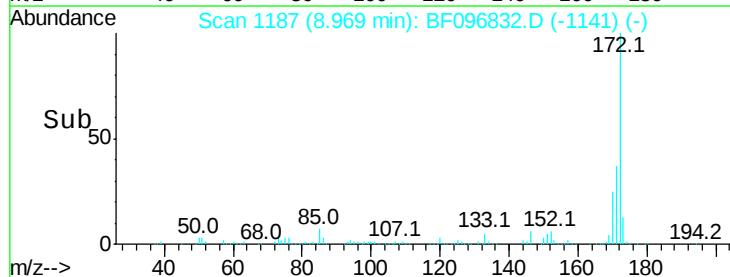
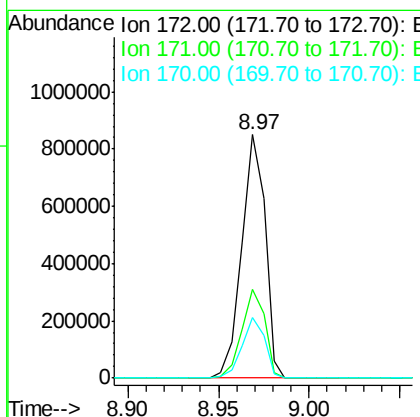
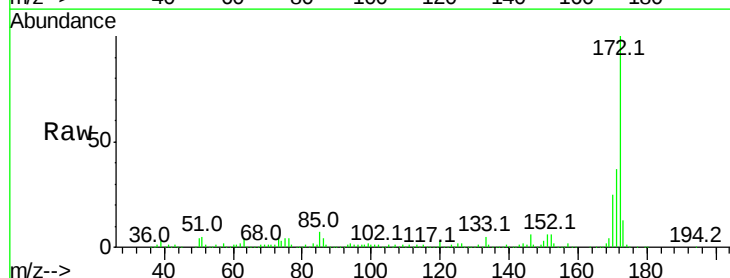
Instrument :
 BNA_F
 ClientSampleId :
 NB-SB03A

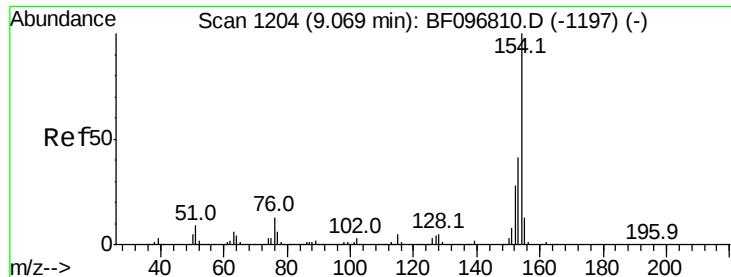
Tot Ion:330 Resp: 97585
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 115.0
 141 38.6 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 78.028 ng
 RT: 8.97 min Scan# 1187
 Delta R.T. -0.03 min
 Lab File: BF096832.D
 Acq: 17 Jul 2017 21:09

Tgt Ion:172 Resp: 764200
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.6 19.8 29.8





#45

1,1'-Biphenyl

Concen: 24.071 ng

RT: 9.07 min Scan# 1204

Delta R.T. -0.03 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

Instrument :

BNA_F

ClientSampleId :

NB-SB03A

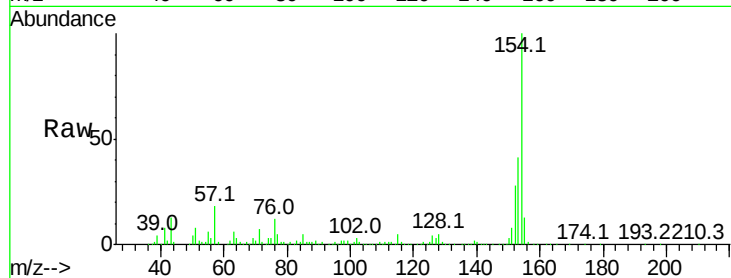
Tot Ion:154 Resp: 319445

Ion Ratio Lower Upper

154 100

153 41.2 21.2 61.2

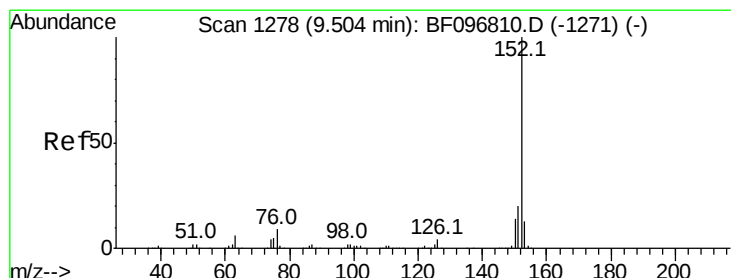
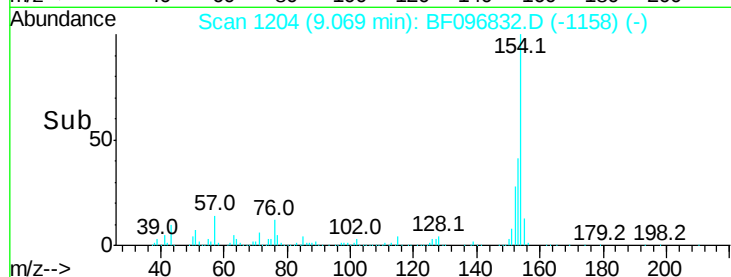
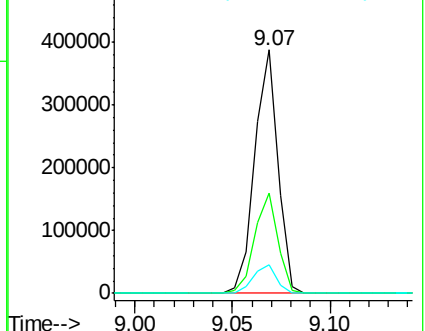
76 11.6 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 21.822 ng

RT: 9.50 min Scan# 1277

Delta R.T. -0.04 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

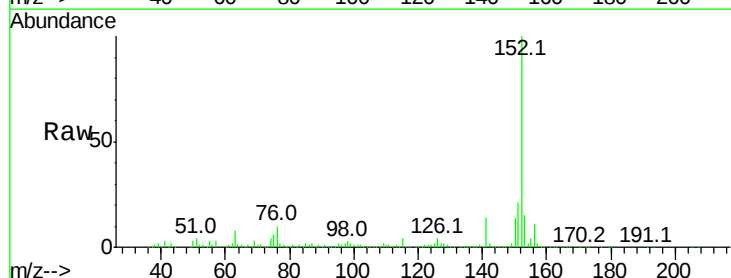
Tgt Ion:152 Resp: 339776

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

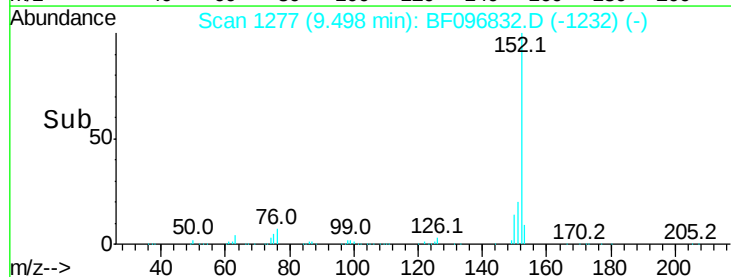
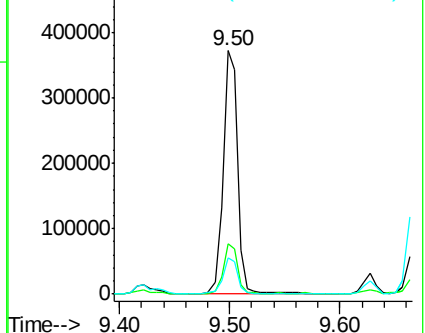
153 14.8 10.8 16.2

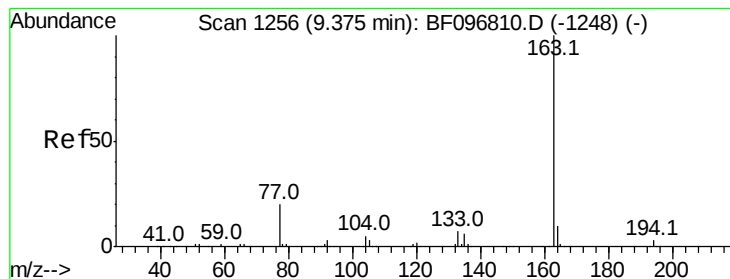


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 6.585 ng

RT: 9.36 min Scan# 1254

Delta R.T. -0.04 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

Instrument :

BNA_F

ClientSampleId :

NB-SB03A

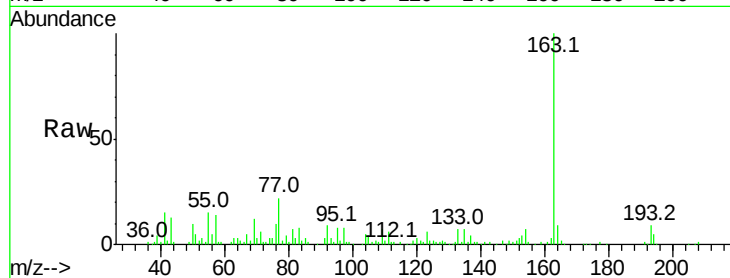
Tot Ion:163 Resp: 76718

Ion Ratio Lower Upper

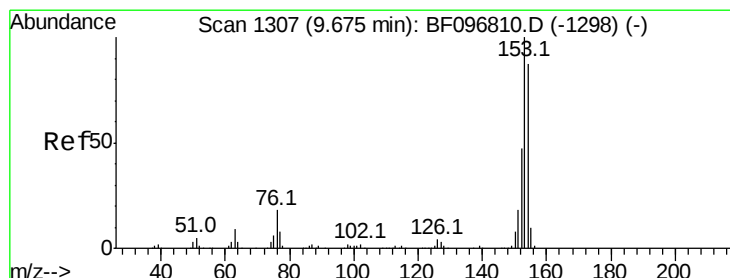
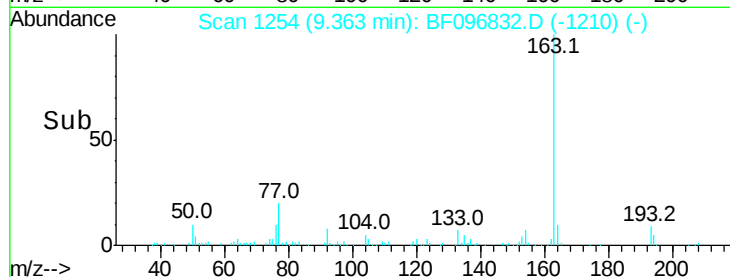
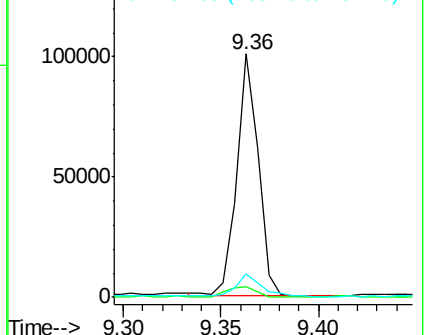
163 100

194 4.6 2.6 4.0#

164 9.4 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



#51

Acenaphthene

Concen: 64.251 ng

RT: 9.67 min Scan# 1307

Delta R.T. -0.03 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

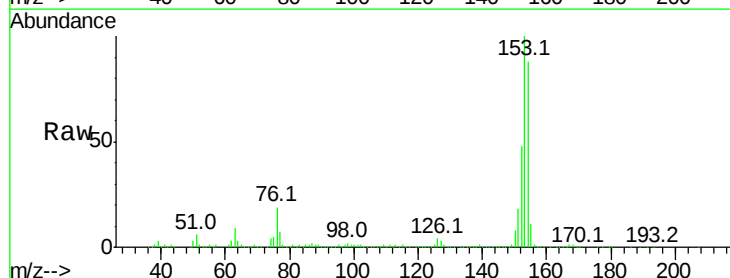
Tgt Ion:154 Resp: 590973

Ion Ratio Lower Upper

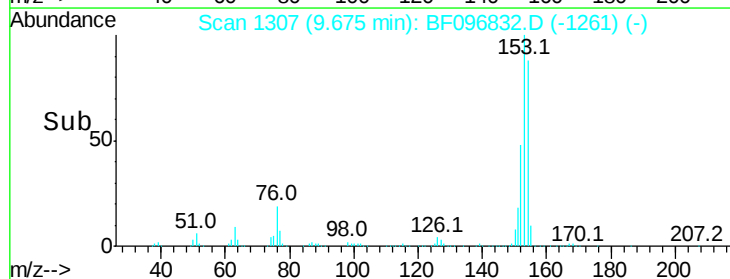
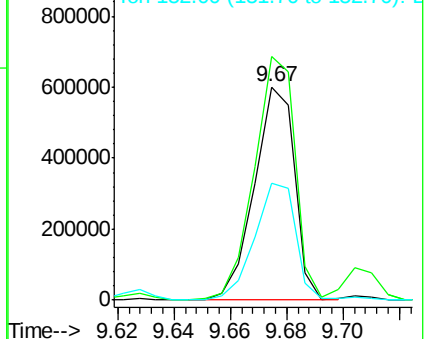
154 100

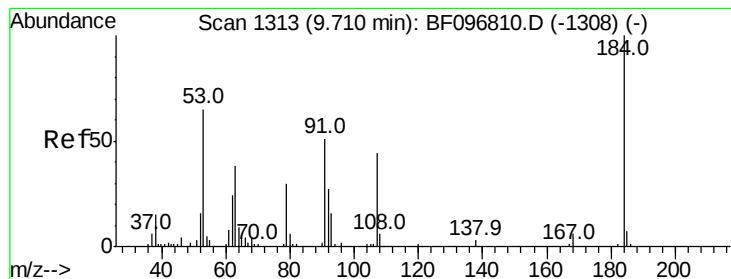
153 114.3 90.5 135.7

152 54.6 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#53

2,4-Dinitrophenol

Concen: 7.032 ng

RT: 9.93 min Scan# 1350

Delta R.T. 0.19 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

Instrument :

BNA_F

ClientSampleId :

NB-SB03A

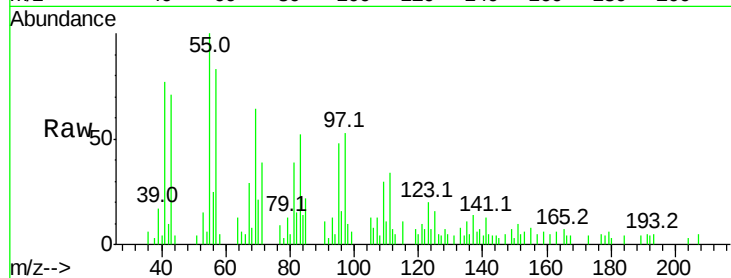
Tot Ion:184 Resp: 397

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

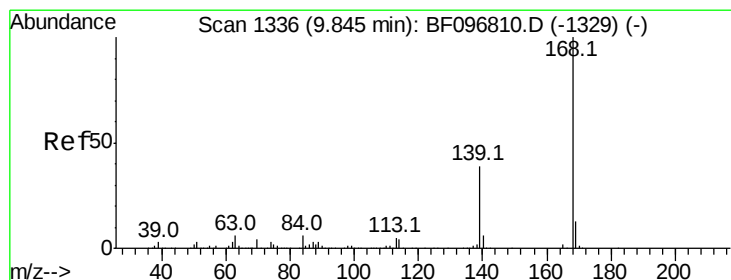
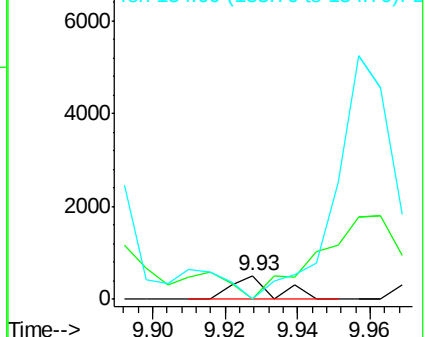
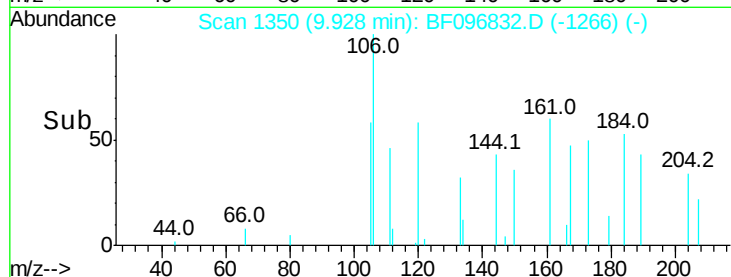
154 0.0 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 68.837 ng

RT: 9.85 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

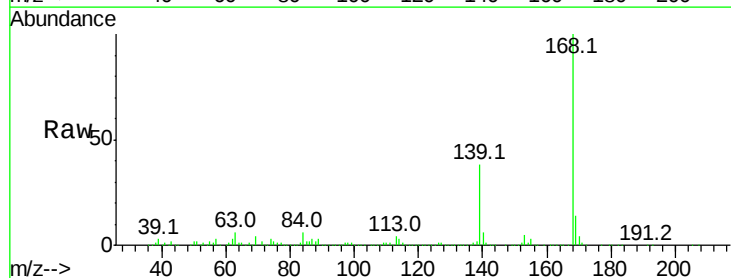
Tgt Ion:168 Resp: 887268

Ion Ratio Lower Upper

168 100

139 38.2 30.6 45.8

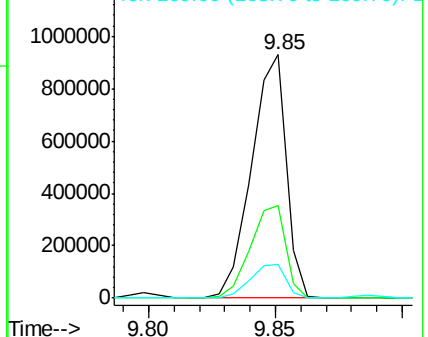
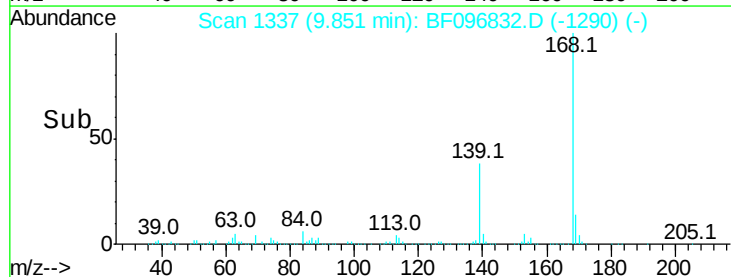
169 13.6 10.8 16.2

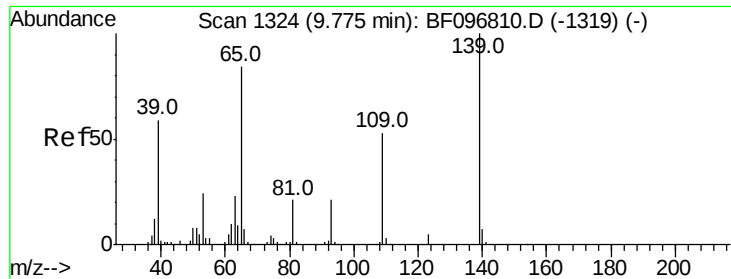


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 157.821 ng

RT: 9.85 min Scan# 1337

Delta R.T. 0.06 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

Instrument :

BNA_F

ClientSampleId :

NB-SB03A

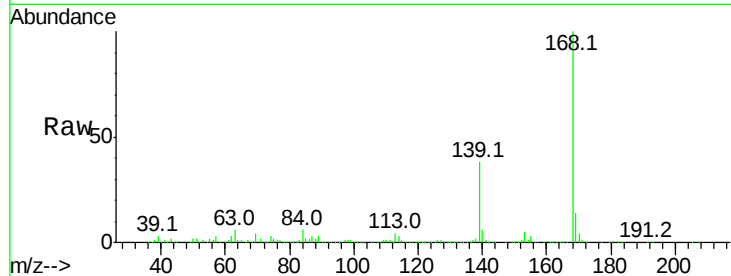
Tot Ion:139 Resp: 344704

Ion Ratio Lower Upper

139 100

109 1.5 34.1 74.1#

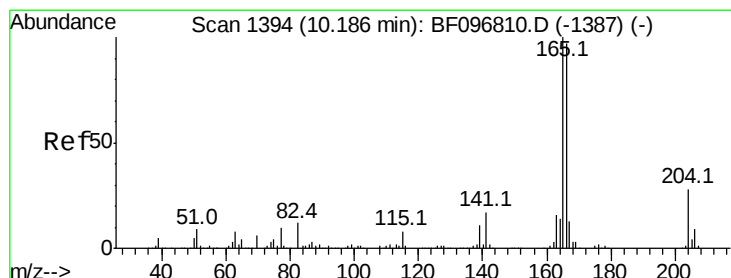
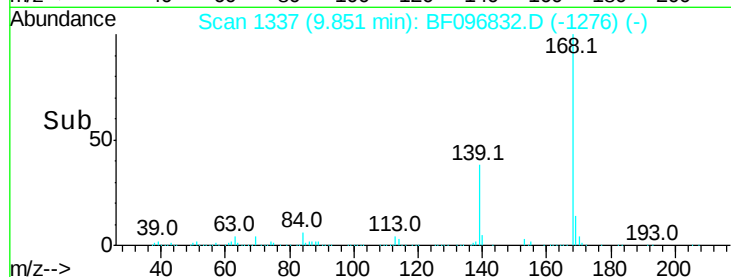
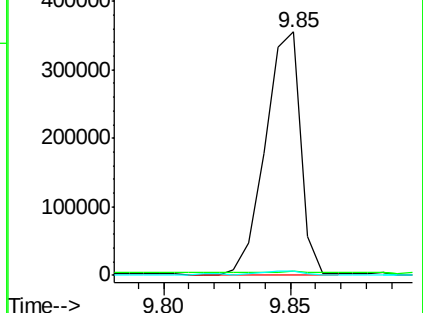
65 1.6 31.4 71.4#



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): E



#57

Fluorene

Concen: 86.443 ng

RT: 10.19 min Scan# 1395

Delta R.T. -0.02 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

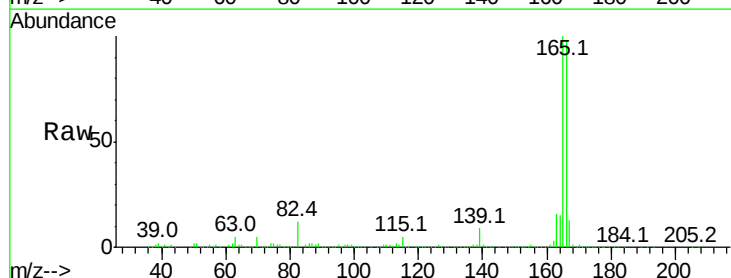
Tgt Ion:166 Resp: 823341

Ion Ratio Lower Upper

166 100

165 102.0 78.8 118.2

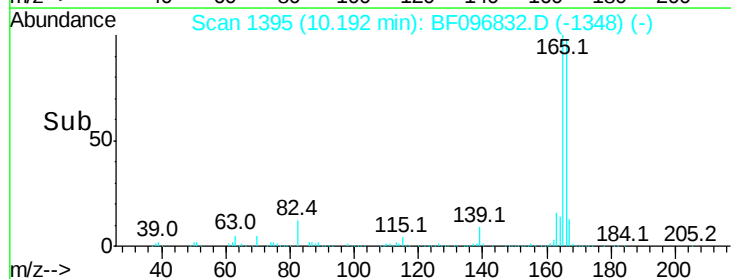
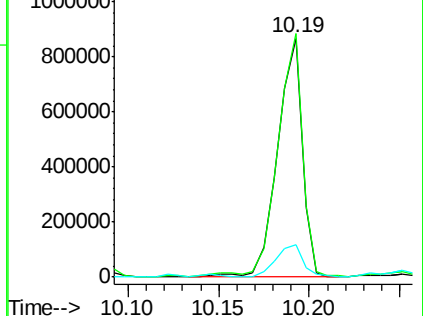
167 13.5 10.6 16.0

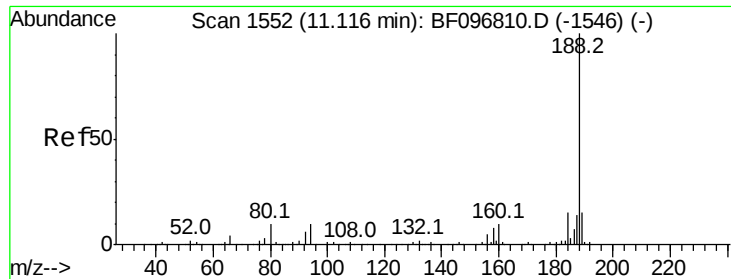


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

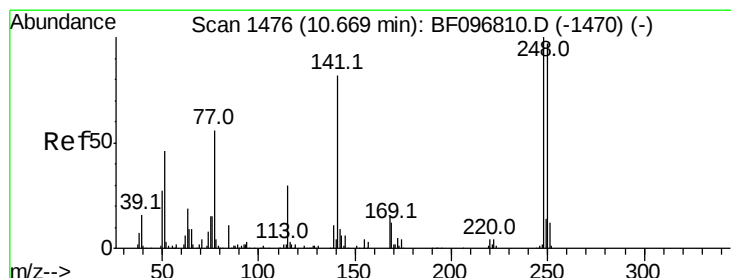
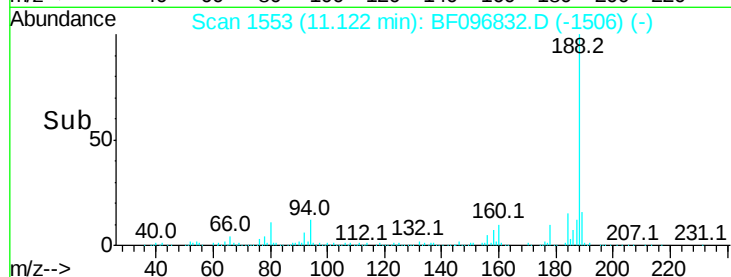
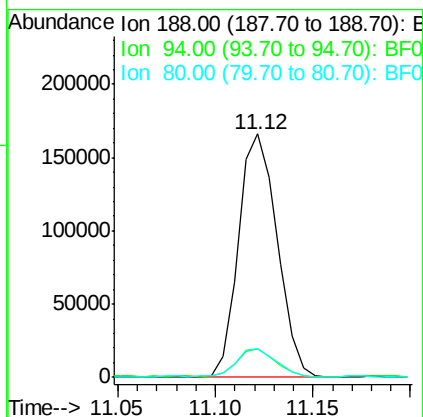
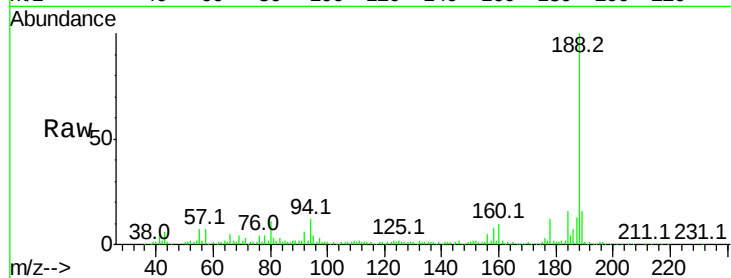




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.12 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF096832.D
 Acq: 17 Jul 2017 21:09

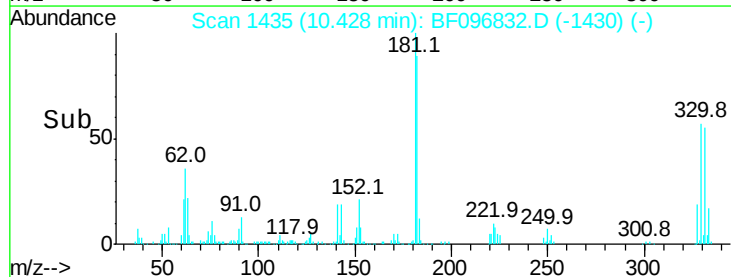
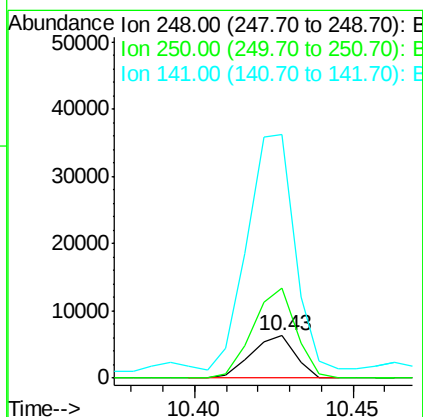
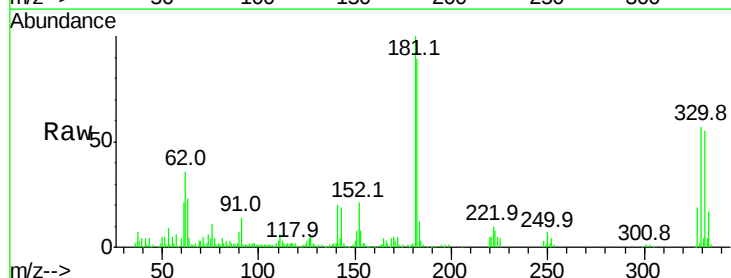
Instrument :
 BNA_F
 ClientSampleId :
 NB-SB03A

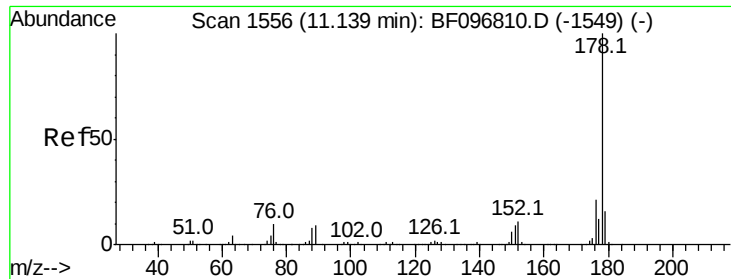
Tot Ion:188 Resp: 227838
 Ion Ratio Lower Upper
 188 100
 94 11.9 9.4 14.2
 80 11.5 10.2 15.2



#66
 4-Bromophenyl-phenylether
 Concen: 2.606 ng
 RT: 10.43 min Scan# 1435
 Delta R.T. -0.27 min
 Lab File: BF096832.D
 Acq: 17 Jul 2017 21:09

Tgt Ion:248 Resp: 6062
 Ion Ratio Lower Upper
 248 100
 250 211.4 76.8 115.2#
 141 575.2 68.6 103.0#

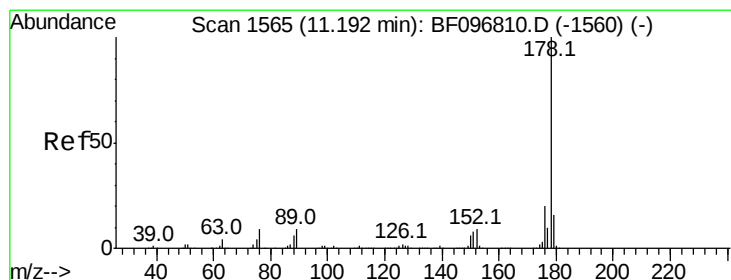
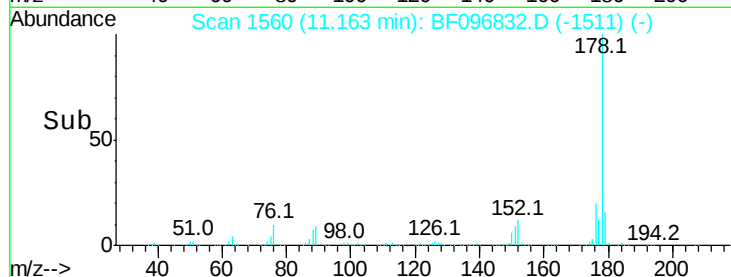
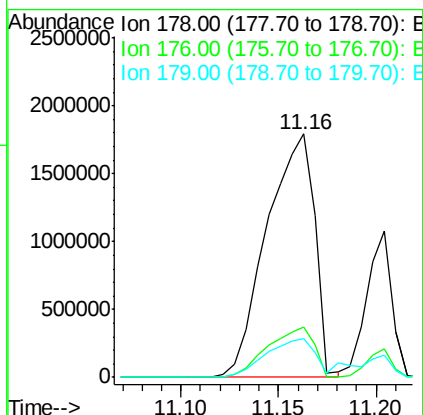
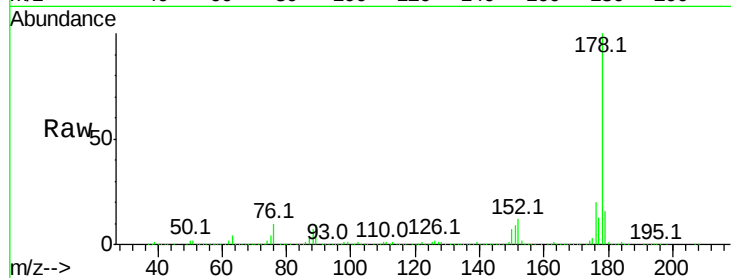




#70
Phenanthrene
Concen: 245.163 ng
RT: 11.16 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF096832.D
Acq: 17 Jul 2017 21:09

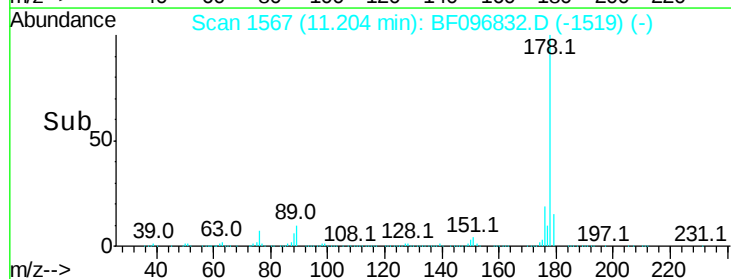
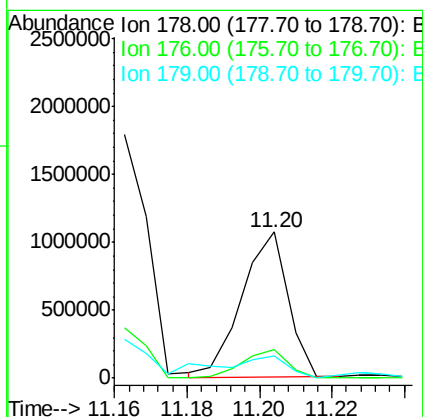
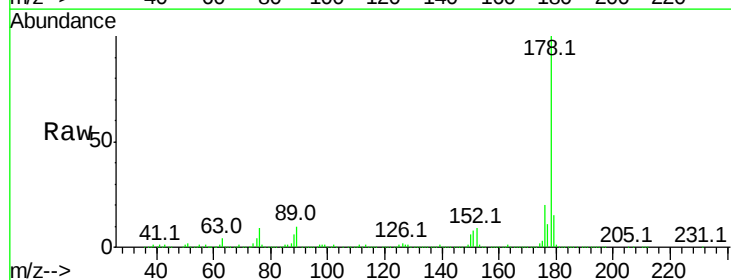
Instrument :
BNA_F
ClientSampleId :
NB-SB03A

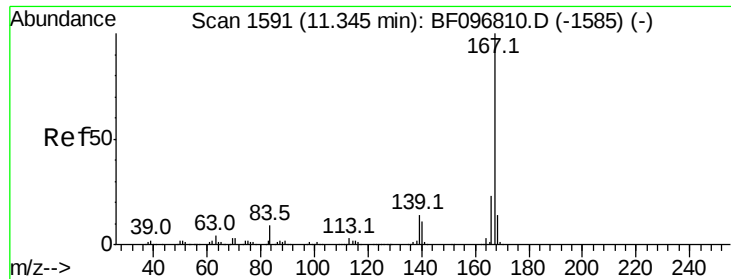
Tot Ion:178 Resp: 3037162
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.4
179 16.0 12.6 19.0



#71
Anthracene
Concen: 75.445 ng
RT: 11.20 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF096832.D
Acq: 17 Jul 2017 21:09

Tgt Ion:178 Resp: 944988
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.3 12.7 19.1





#72

Carbazole

Concen: 49.355 ng

RT: 11.35 min Scan# 1592

Delta R.T. -0.03 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

Instrument :

BNA_F

ClientSampleId :

NB-SB03A

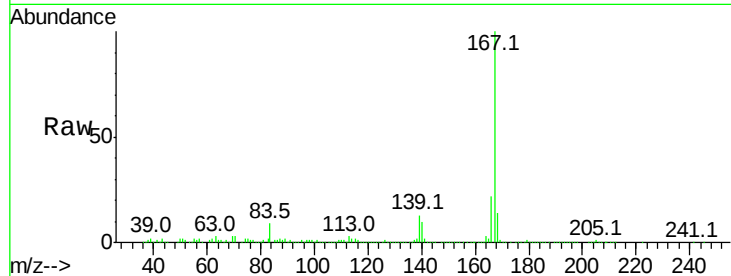
Tot Ion:167 Resp: 598651

Ion Ratio Lower Upper

167 100

166 22.3 18.1 27.1

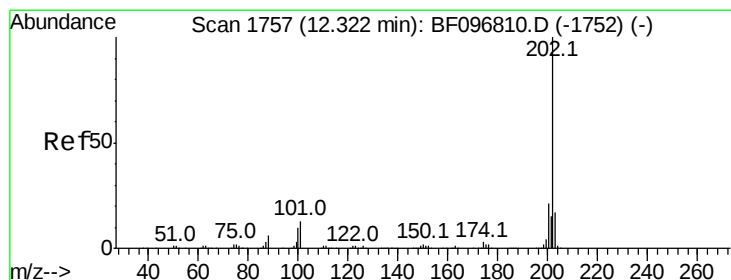
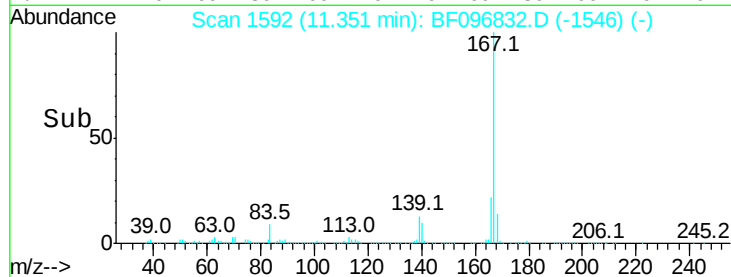
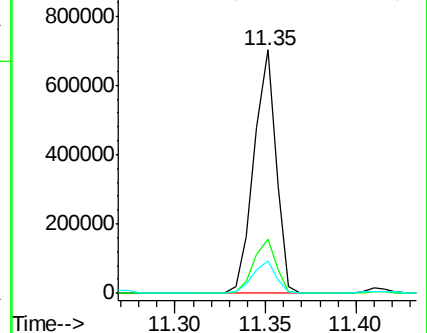
139 13.4 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 216.418 ng

RT: 12.35 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

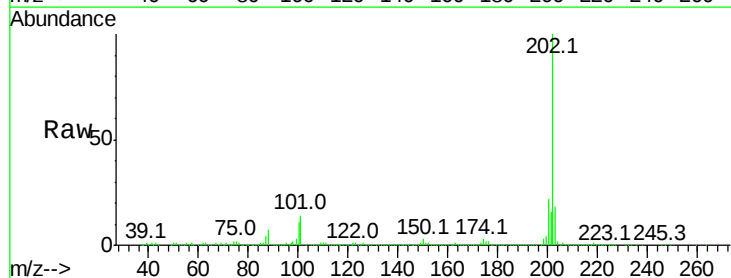
Tgt Ion:202 Resp: 2566240

Ion Ratio Lower Upper

202 100

101 14.3 0.0 33.2

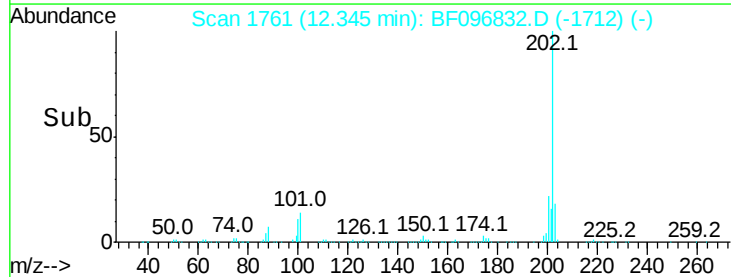
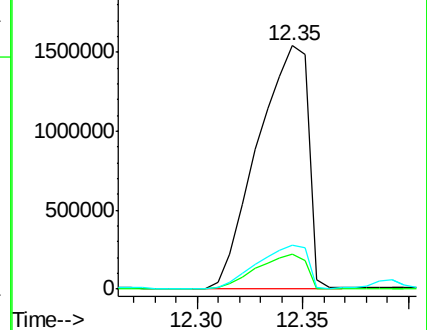
203 18.2 0.0 38.1

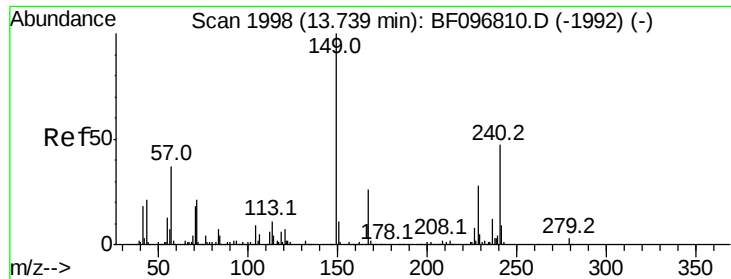


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.76 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

Instrument :

BNA_F

ClientSampleId :

NB-SB03A

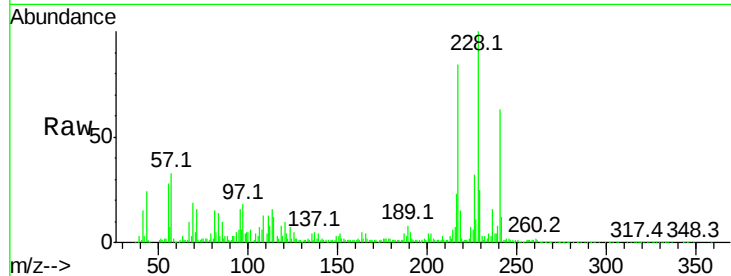
Tot Ion:240 Resp: 155950

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

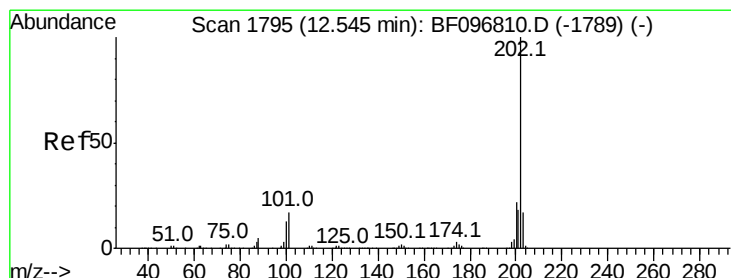
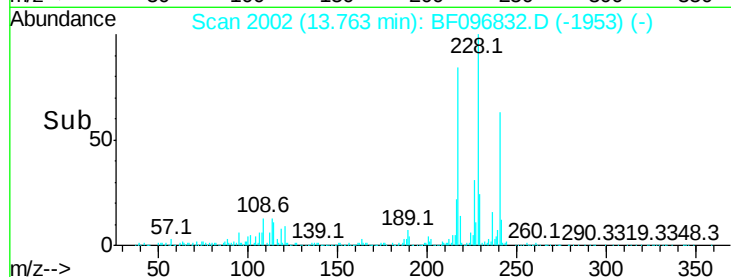
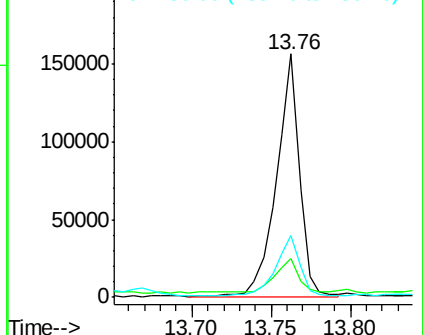
236 25.6 20.5 30.7



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: 144.511 ng

RT: 12.57 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

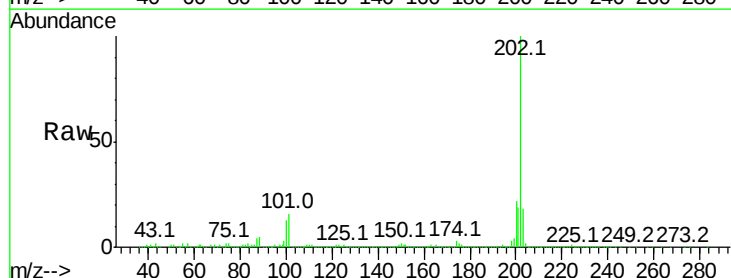
Tgt Ion:202 Resp: 2045303

Ion Ratio Lower Upper

202 100

200 22.3 17.6 26.4

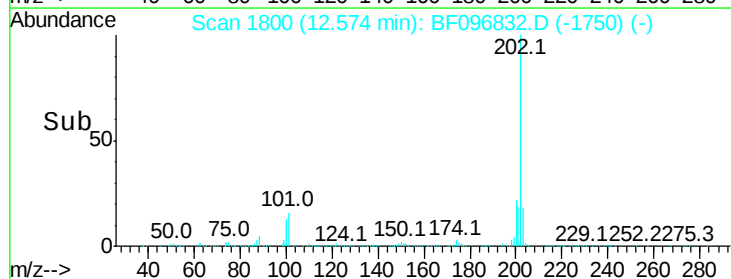
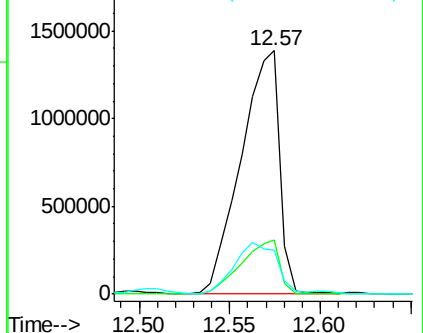
203 18.1 14.4 21.6

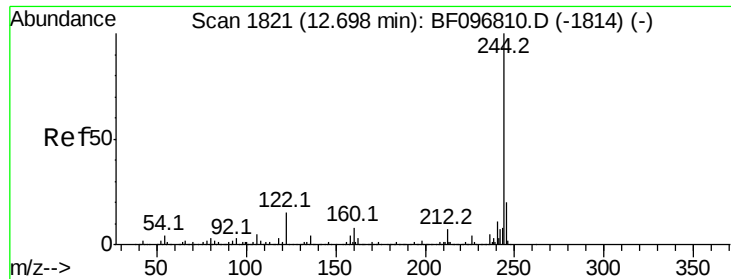


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

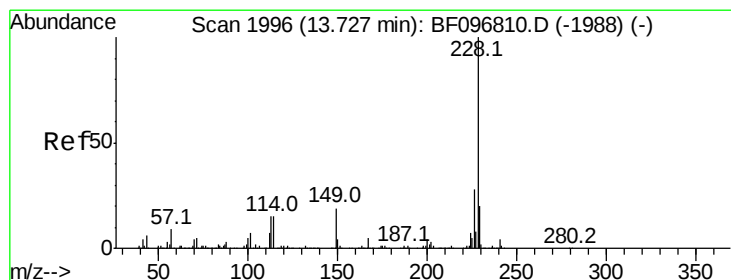
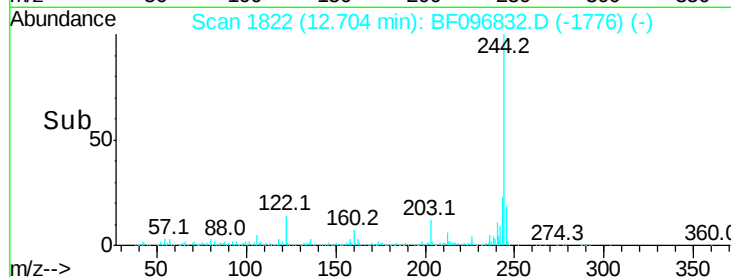
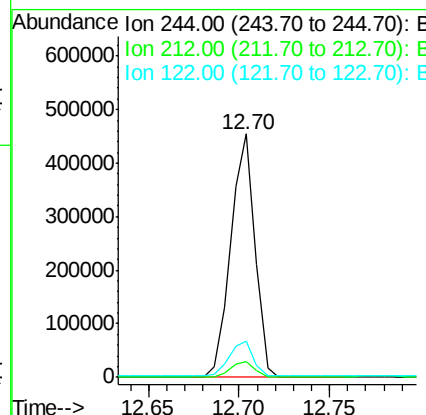
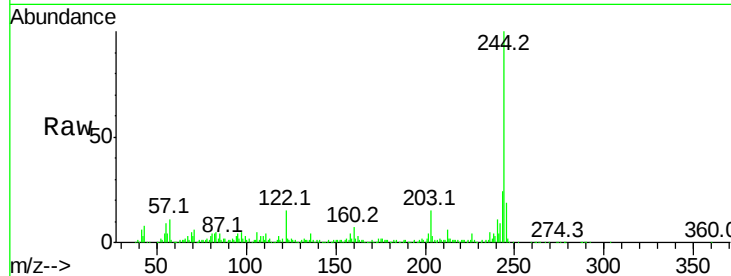




#78
 Terphenyl-d14
 Concen: 46.910 ng
 RT: 12.70 min Scan# 1822
 Delta R.T. -0.03 min
 Lab File: BF096832.D
 Acq: 17 Jul 2017 21:09

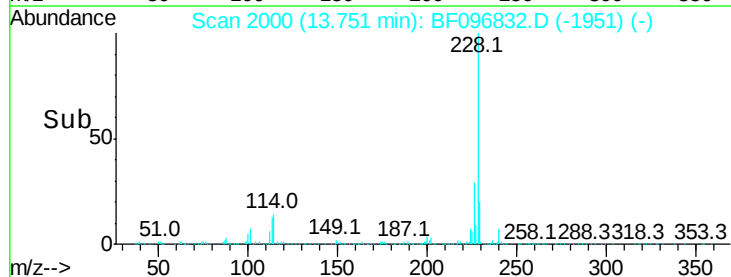
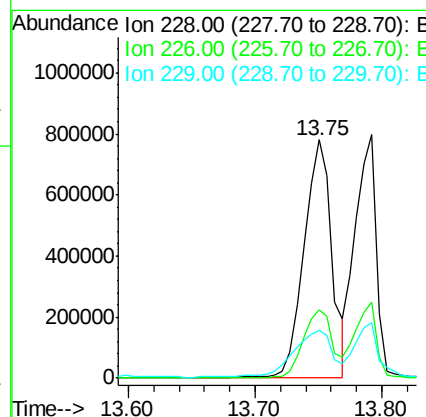
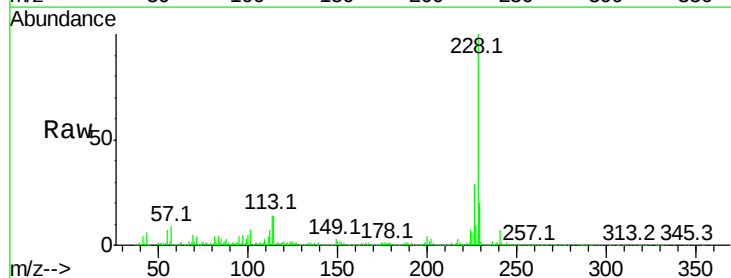
Instrument :
 BNA_F
 ClientSampleId :
 NB-SB03A

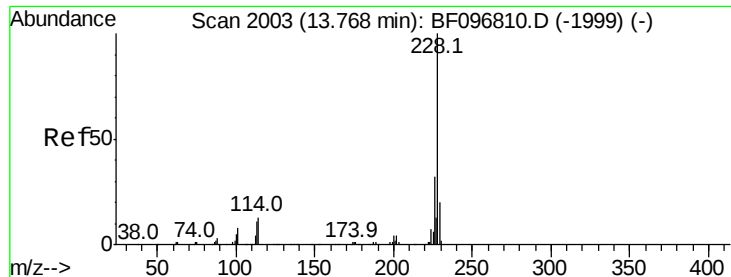
Tot Ion:244 Resp: 421825
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 14.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 122.156 ng
 RT: 13.75 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF096832.D
 Acq: 17 Jul 2017 21:09

Tgt Ion:228 Resp: 1186971
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 20.3 16.3 24.5

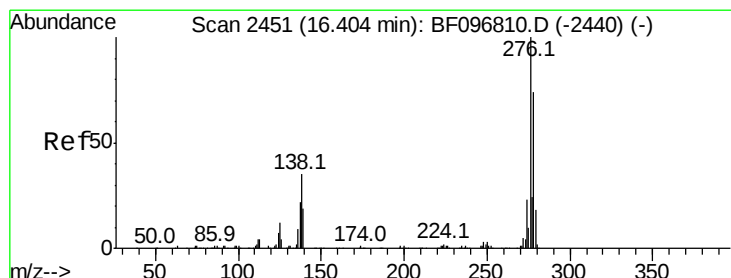
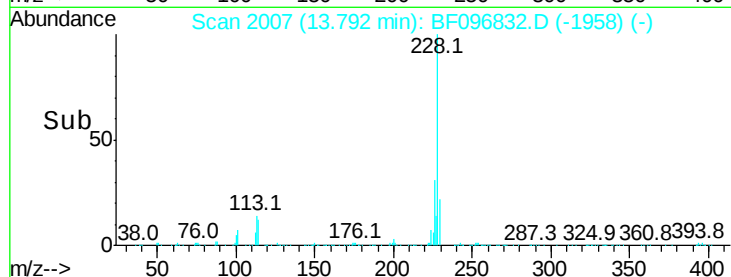
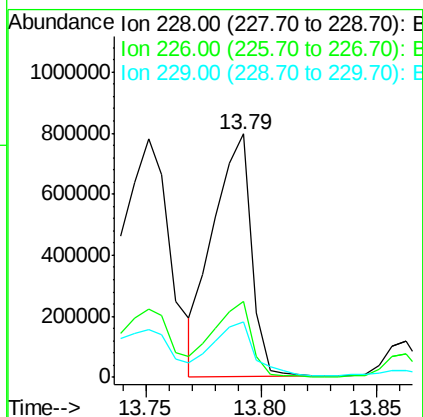
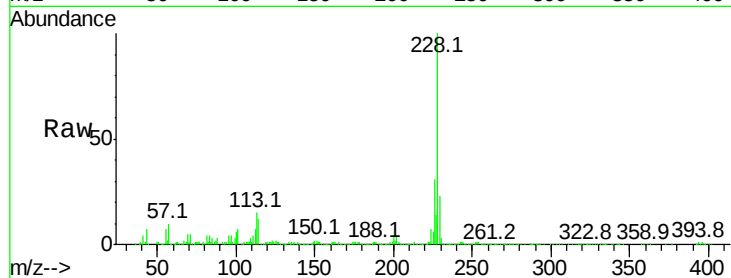




#82
Chrysene
Concen: 95.638 ng
RT: 13.79 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF096832.D
Acq: 17 Jul 2017 21:09

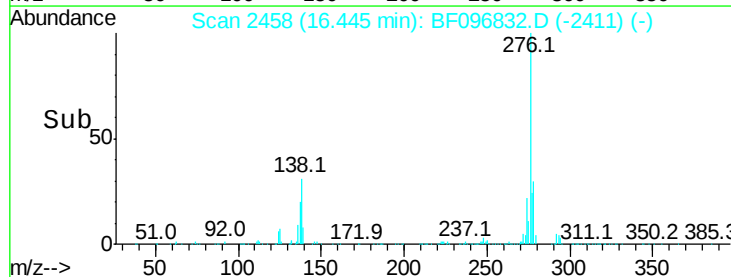
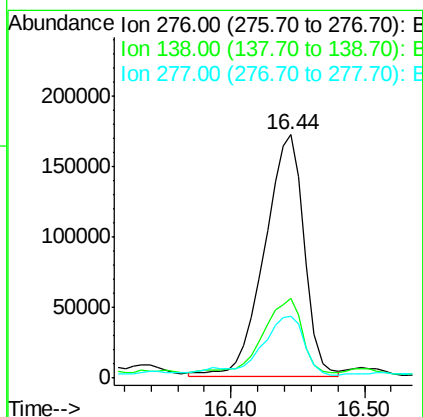
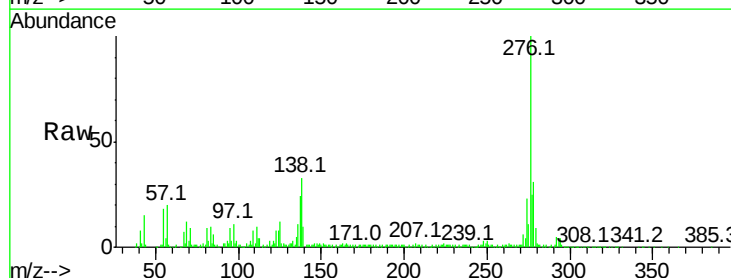
Instrument :
BNA_F
ClientSampleId :
NB-SB03A

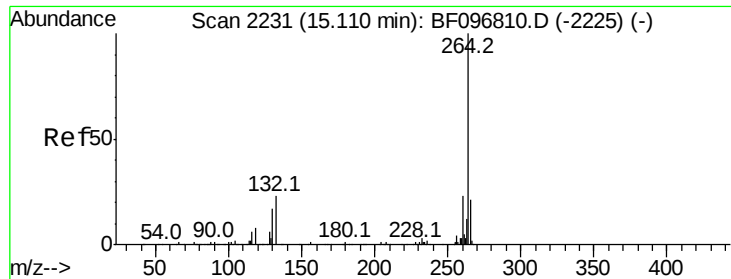
Tot Ion:228 Resp: 914863
Ion Ratio Lower Upper
228 100
226 31.3 24.9 37.3
229 22.7 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 39.708 ng
RT: 16.44 min Scan# 2458
Delta R.T. -0.02 min
Lab File: BF096832.D
Acq: 17 Jul 2017 21:09

Tgt Ion:276 Resp: 353613
Ion Ratio Lower Upper
276 100
138 31.5 27.8 41.6
277 25.4 20.2 30.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.14 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

Instrument :

BNA_F

ClientSampleId :

NB-SB03A

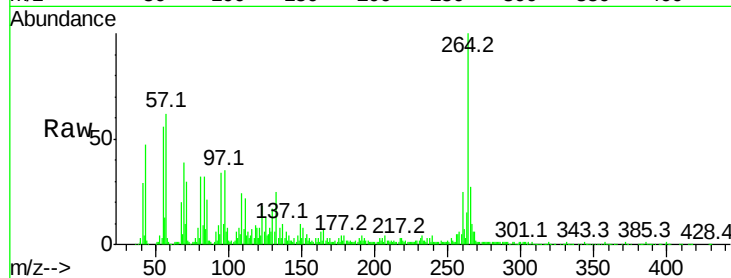
Tot Ion:264 Resp: 142034

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

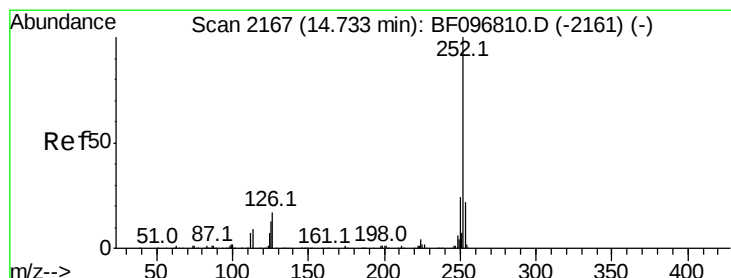
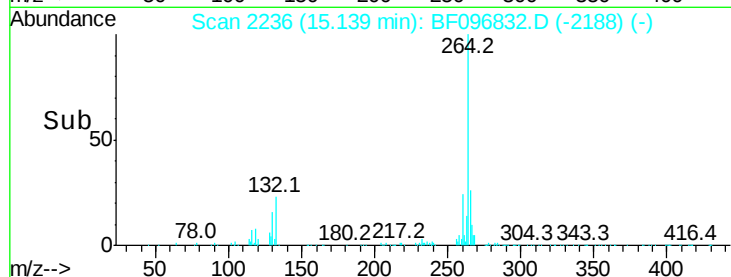
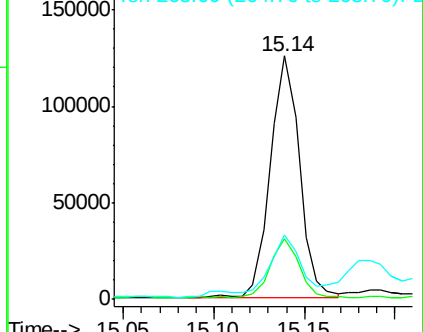
265 26.6 17.2 25.8#



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: 166.309 ng

RT: 14.77 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

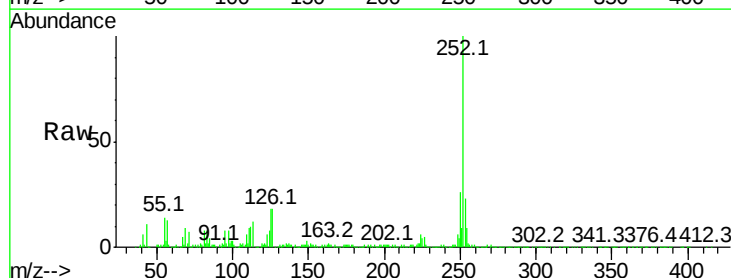
Tgt Ion:252 Resp: 1424645

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

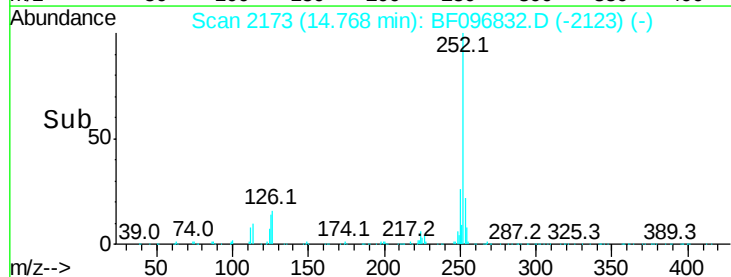
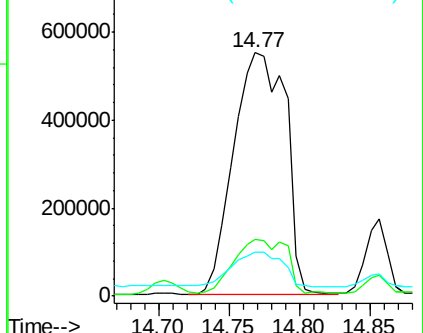
125 18.1 9.8 14.8#

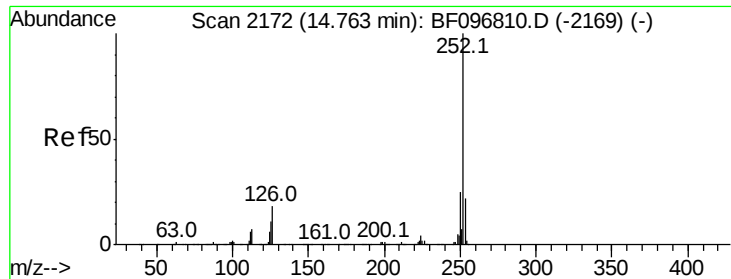


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

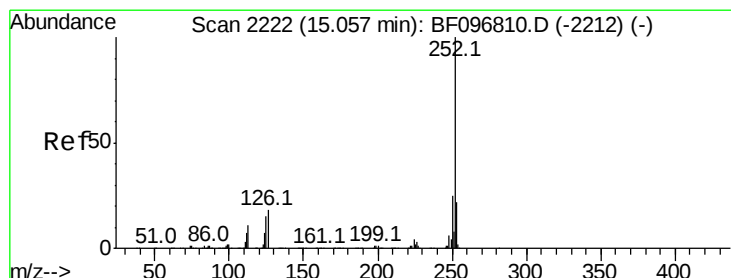
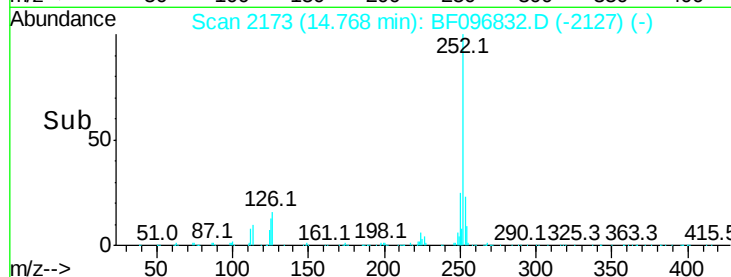
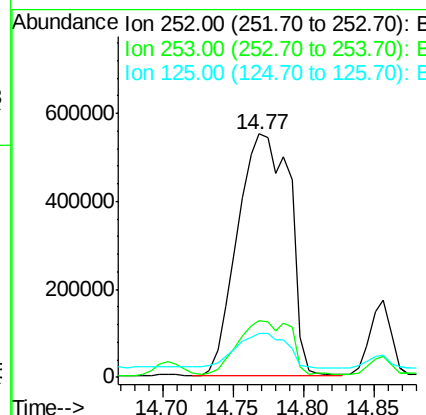
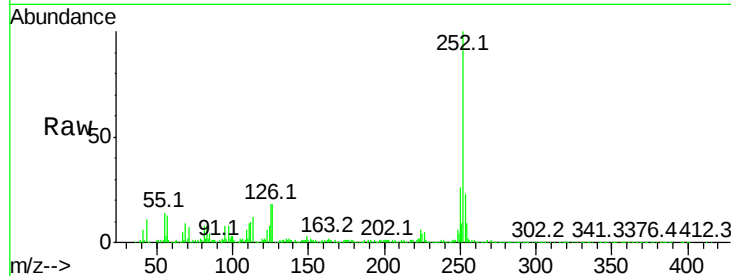




#88
Benzo(k)fluoranthene
Concen: 175.627 ng
RT: 14.77 min Scan# 2173
Delta R.T. -0.03 min
Lab File: BF096832.D
Acq: 17 Jul 2017 21:09

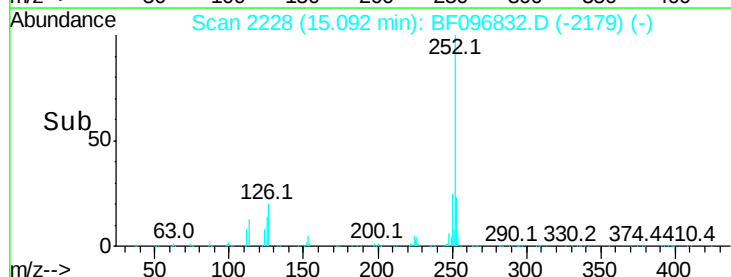
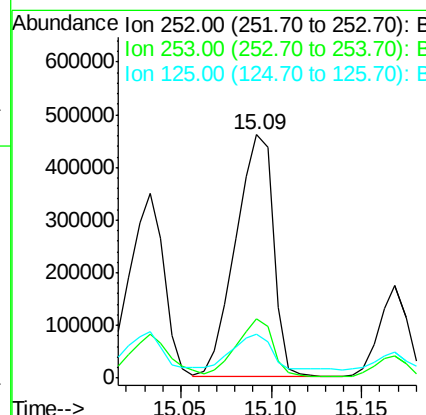
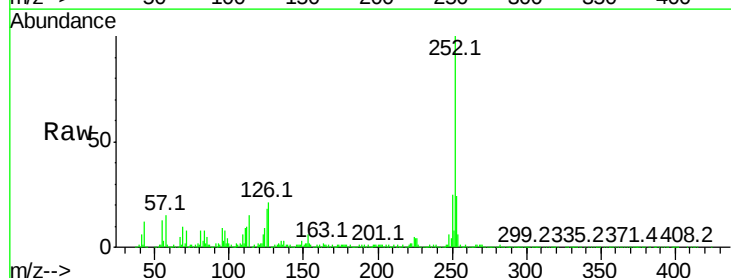
Instrument :
BNA_F
ClientSampleId :
NB-SB03A

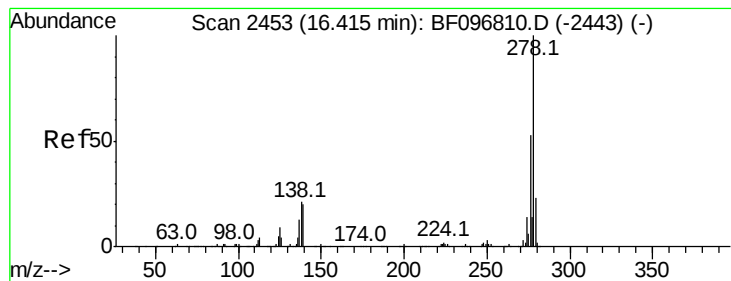
Tot Ion:252 Resp: 1424645
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 18.1 13.1 19.7



#89
Benzo(a)pyrene
Concen: 85.303 ng
RT: 15.09 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BF096832.D
Acq: 17 Jul 2017 21:09

Tgt Ion:252 Resp: 670212
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 18.1 11.0 16.4#





#90

Dibenzo(a,h)anthracene

Concen: 13.677 ng

RT: 16.44 min Scan# 2458

Delta R.T. -0.04 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

Instrument :

BNA_F

ClientSampleId :

NB-SB03A

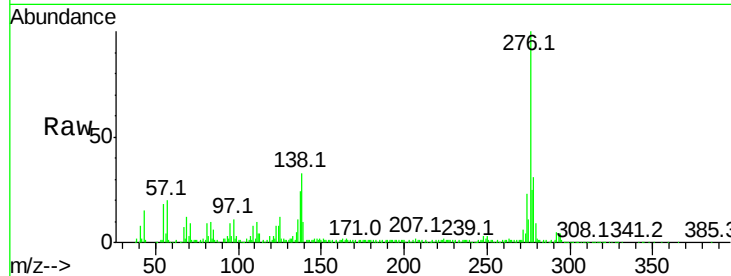
Tot Ion:278 Resp: 98878

Ion Ratio Lower Upper

278 100

139 33.6 16.6 24.8#

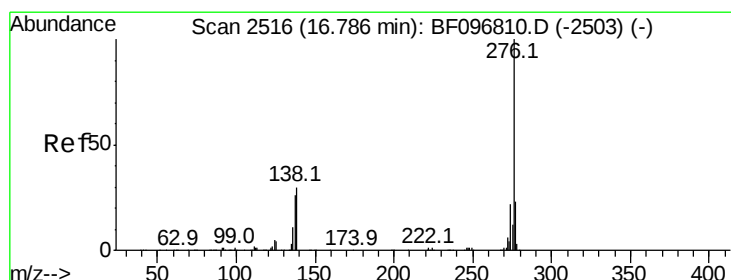
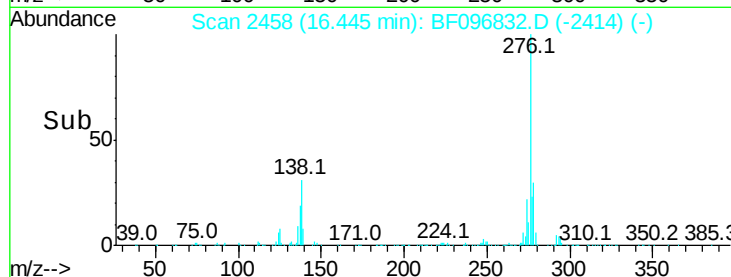
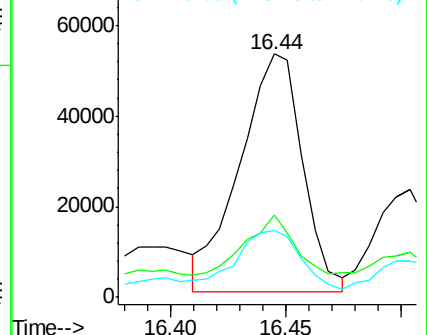
279 27.4 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 43.722 ng

RT: 16.83 min Scan# 2524

Delta R.T. -0.03 min

Lab File: BF096832.D

Acq: 17 Jul 2017 21:09

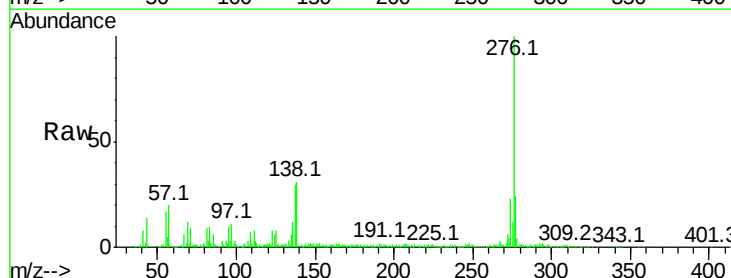
Tgt Ion:276 Resp: 338480

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 31.2 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

