

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
 Data File : BF096828.D
 Acq On : 17 Jul 2017 19:18
 Operator : SJ/JU
 Sample : I4203-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-SB04A

Quant Time: Jul 18 02:12:20 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	108106	20.00	ng	-0.02
21) Naphthalene-d8	7.89	136	417377	20.00	ng	-0.03
38) Acenaphthene-d10	9.64	164	154532	20.00	ng	-0.03
63) Phenanthrene-d10	11.11	188	219834	20.00	ng	-0.04
75) Chrysene-d12	13.74	240	233161	20.00	ng	-0.04
86) Perylene-d12	15.12	264	199742	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	755566	105.09	ng	-0.01
7) Phenol-d6	6.26	99	785126	91.00	ng	-0.02
23) Nitrobenzene-d5	7.17	82	449787	66.75	ng	-0.03
41) 2,4,6-Tribromophenol	10.42	330	114074	86.48	ng	-0.04
44) 2-Fluorobiphenyl	8.97	172	755953	77.29	ng	-0.03
78) Terphenyl-d14	12.70	244	492097	36.60	ng	-0.04

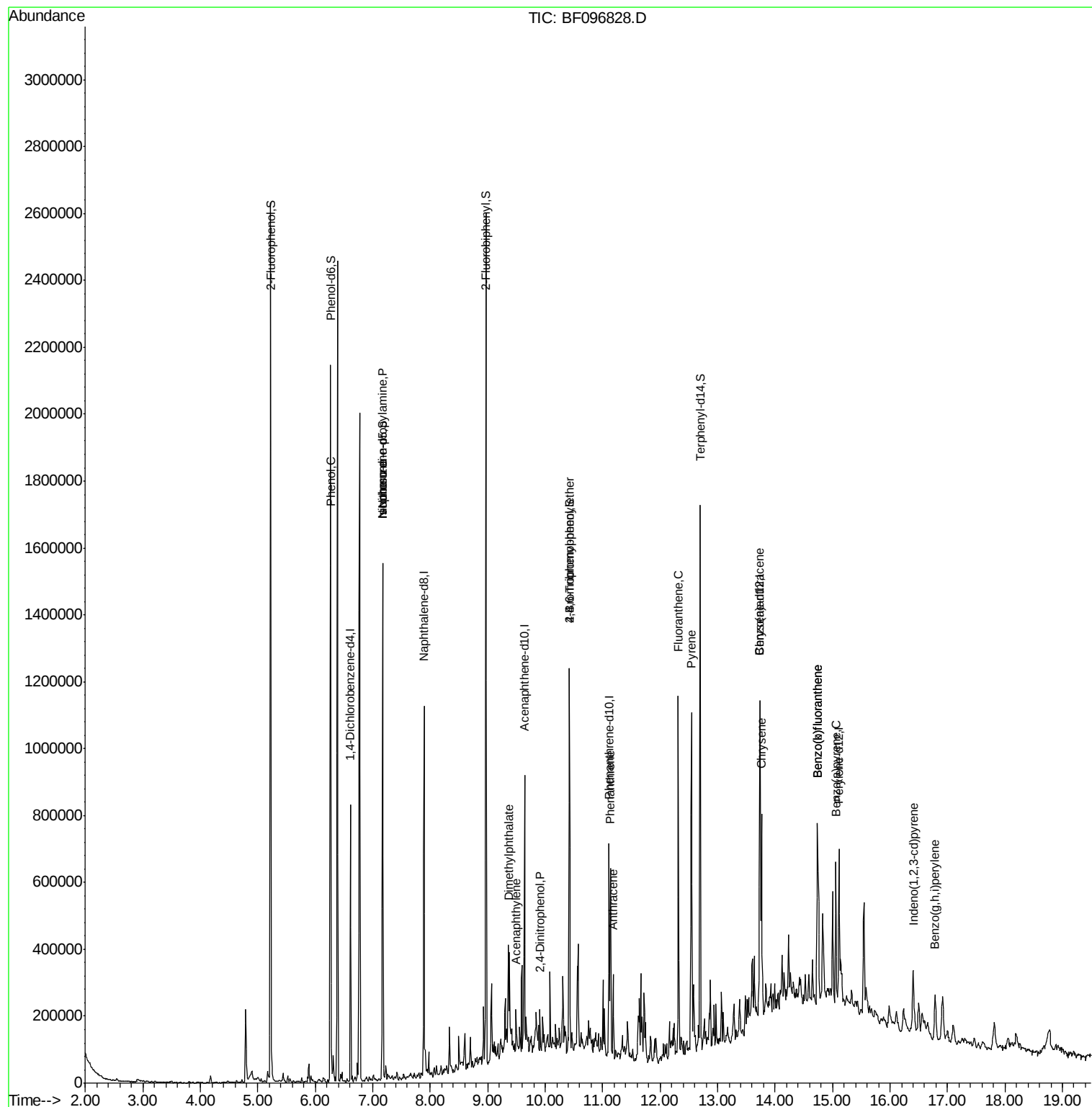
Target Compounds				Qvalue		
10) Phenol	6.27	94	33253	3.409	ng	92
19) n-Nitroso-di-n-propylamine	7.17	70	61657	11.862	ng	# 85
25) Isophorone	7.17	82	446498	35.620	ng	# 67
48) Acenaphthylene	9.50	152	51761	3.329	ng	97
49) Dimethylphthalate	9.36	163	102530	8.812	ng	99
53) 2,4-Dinitrophenol	9.92	184	653	7.220	ng	# 35
60) 4-Chlorophenyl-phenylether	10.03	204	292	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.42	248	6746	3.006	ng	# 1
70) Phenanthrene	11.13	178	199099	16.657	ng	99
71) Anthracene	11.19	178	75864	6.277	ng	98
74) Fluoranthene	12.32	202	386089	33.745	ng	97
77) Pyrene	12.54	202	394645	18.650	ng	98
80) Benzo(a)anthracene	13.73	228	230378	15.858	ng	96
82) Chrysene	13.76	228	218552	15.281	ng	98
85) Indeno(1,2,3-cd)pyrene	16.40	276	93432	10.064	ng	94
87) Benzo(b)fluoranthene	14.74	252	358591	29.767	ng	98
88) Benzo(k)fluoranthene	14.74	252	358591	31.434	ng	98
89) Benzo(a)pyrene	15.06	252	179680	16.262	ng	98
91) Benzo(a,h,i)perylene	16.79	276	86643	7.958	ng	97

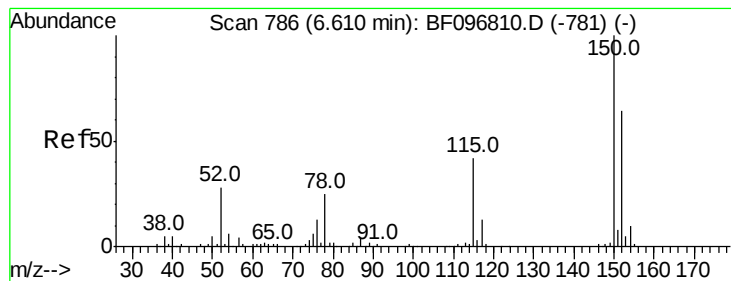
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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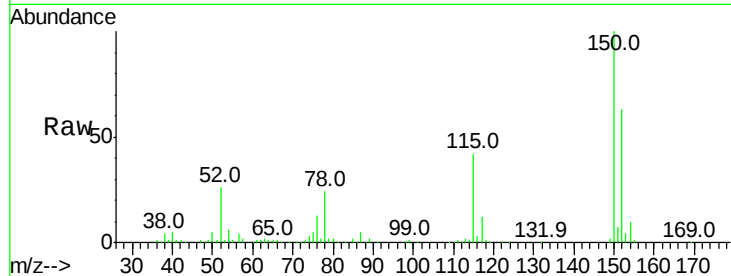


#1

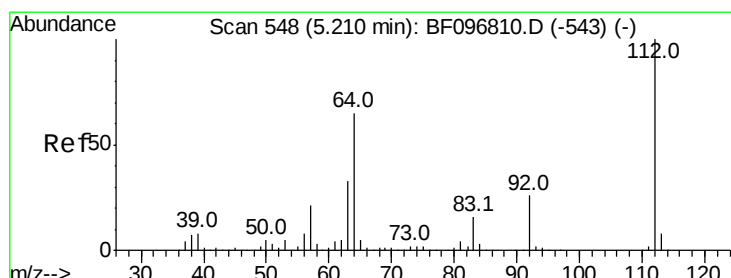
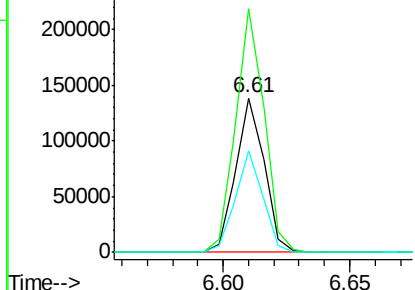
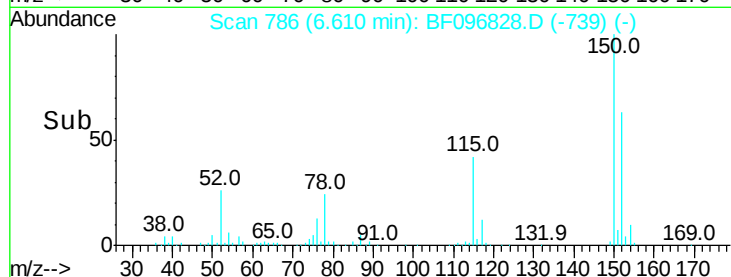
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Instrument :
BNA_F
ClientSampleId :
NB-SB04A

Tot Ion:152 Resp: 108106
Ion Ratio Lower Upper
152 100
150 157.6 126.2 189.2
115 66.0 52.2 78.2



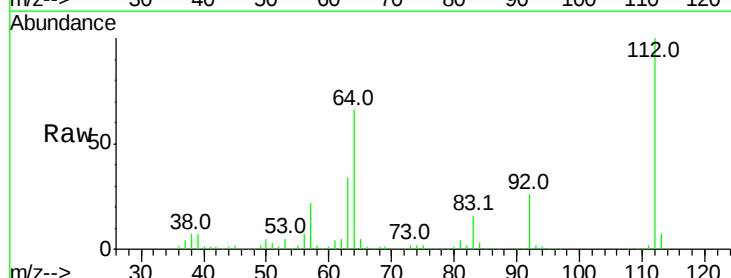
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



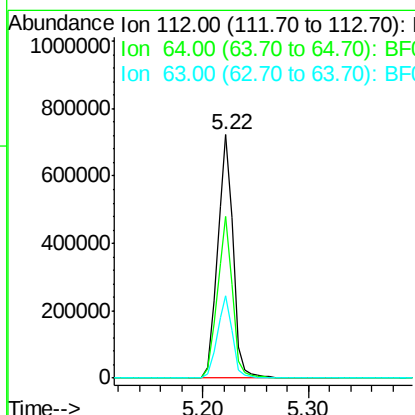
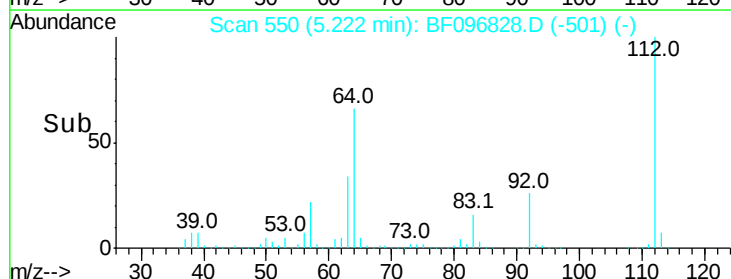
#5

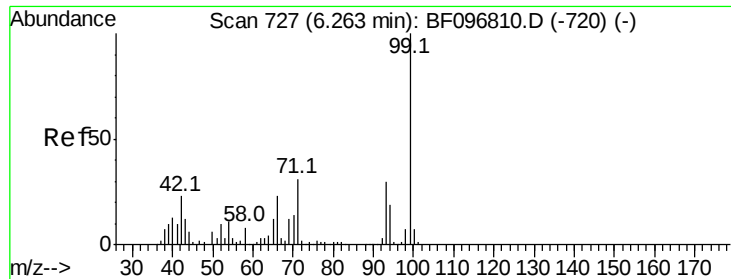
2-Fluorophenol
Concen: 105.087 ng
RT: 5.22 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion:112 Resp: 755566
Ion Ratio Lower Upper
112 100
64 66.3 46.0 69.0
63 34.0 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: 90.997 ng

RT: 6.26 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

Instrument :

BNA_F

ClientSampleId :

NB-SB04A

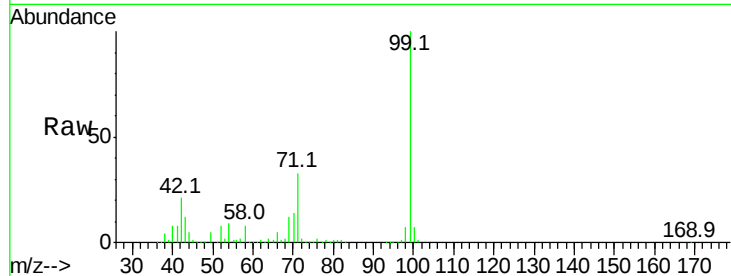
Tot Ion: 99 Resp: 785126

Ion Ratio Lower Upper

99 100

42 21.5 13.5 20.3#

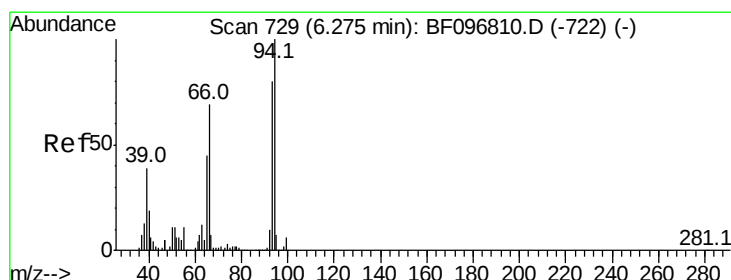
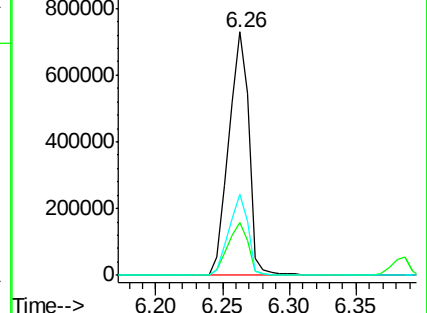
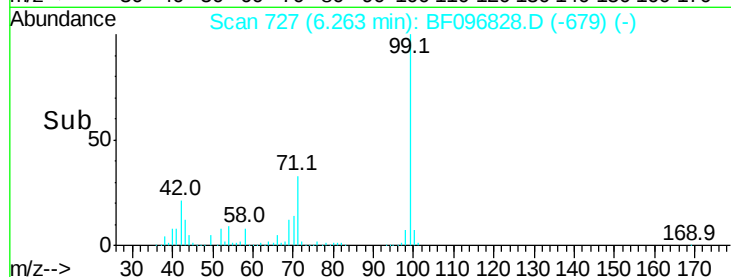
71 33.3 24.5 36.7



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



#10

Phenol

Concen: 3.409 ng

RT: 6.27 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

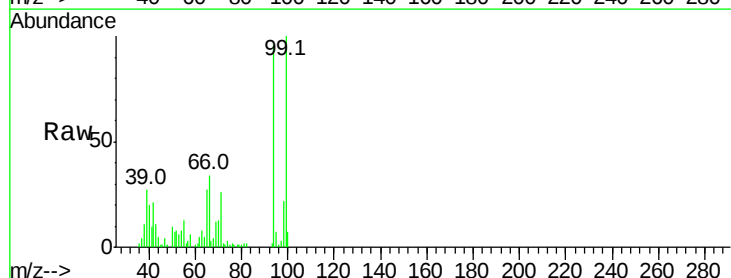
Tgt Ion: 94 Resp: 33253

Ion Ratio Lower Upper

94 100

65 28.4 9.9 49.9

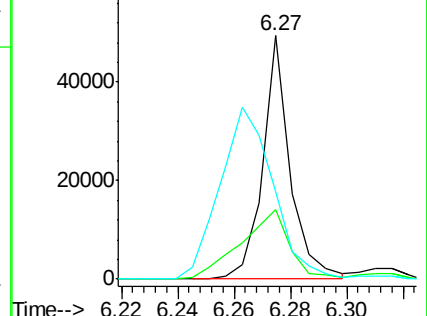
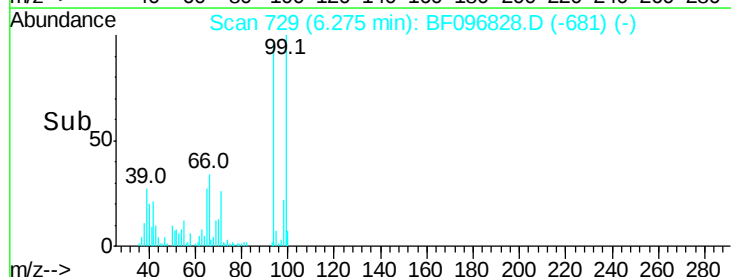
66 35.9 23.1 63.1

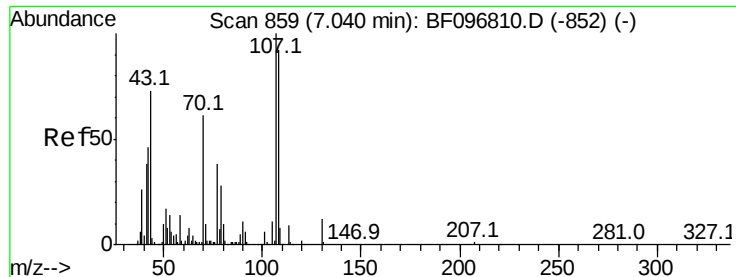


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

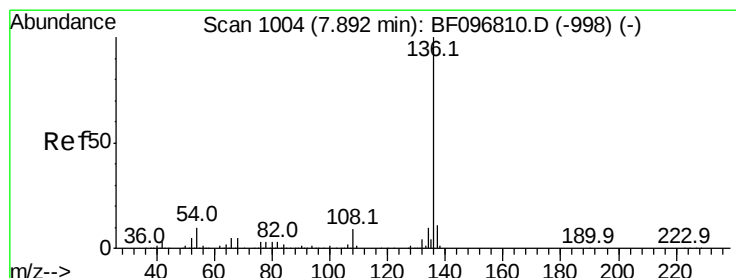
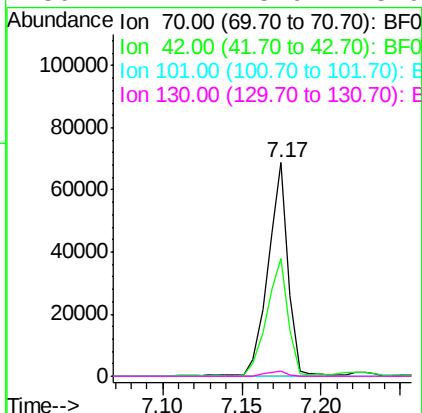
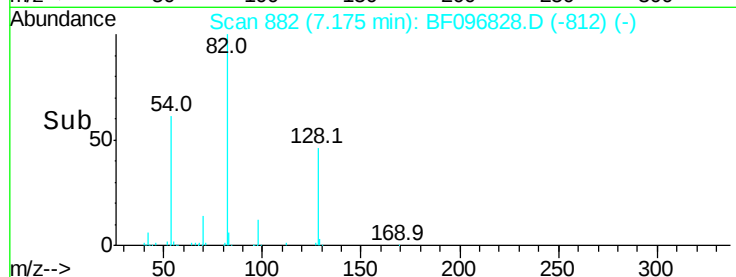
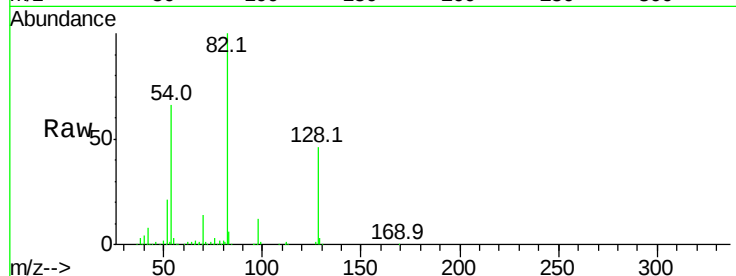




#19
n-Nitroso-di-n-propylamine
Concen: 11.862 ng
RT: 7.17 min Scan# 882
Delta R.T. 0.11 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

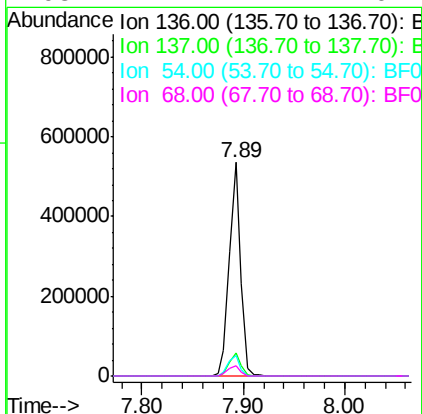
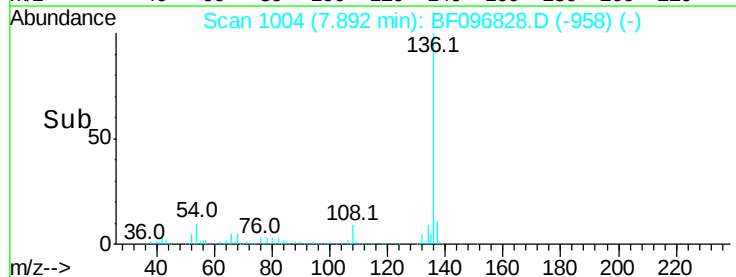
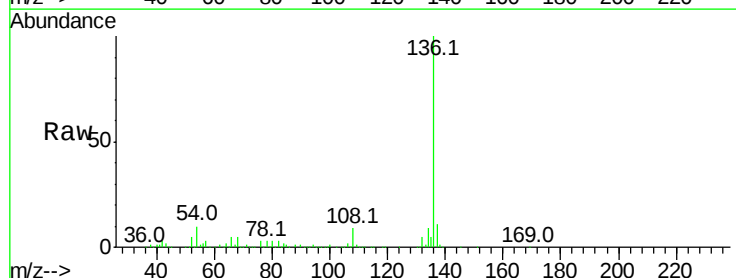
Instrument :
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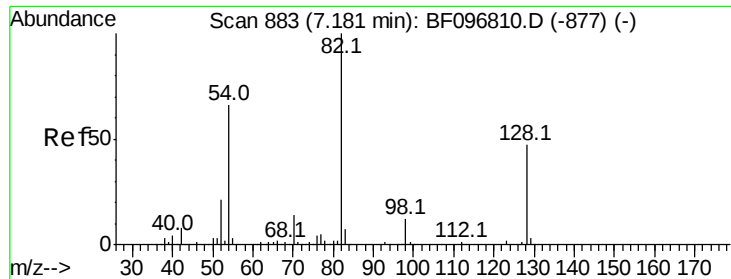
Tot Ion: 70 Resp: 61657
Ion Ratio Lower Upper
70 100
42 55.2 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1004
Delta R.T. -0.03 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion: 136 Resp: 417377
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 9.9 4.9 7.3#
68 4.7 4.1 6.1

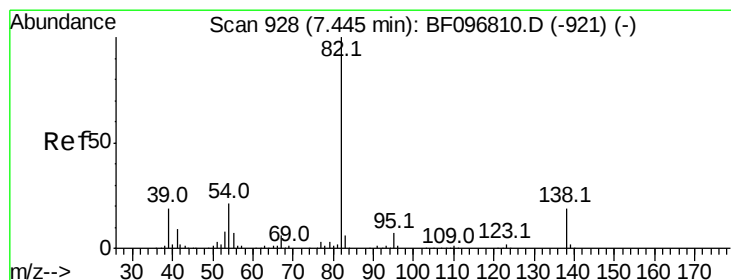
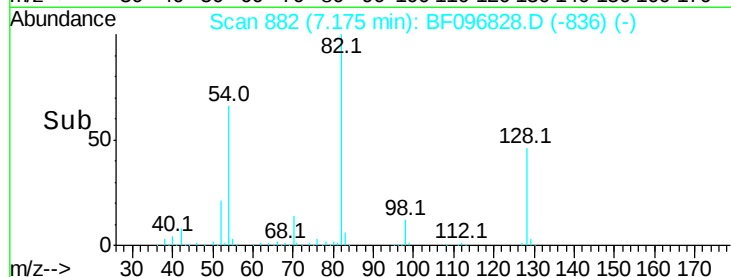
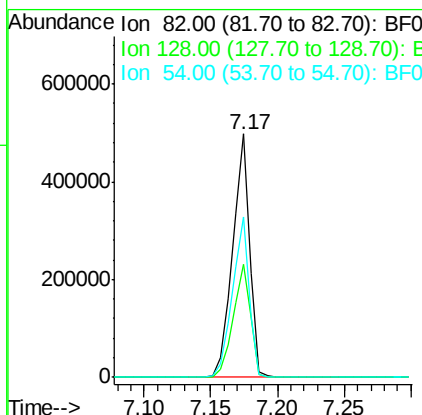
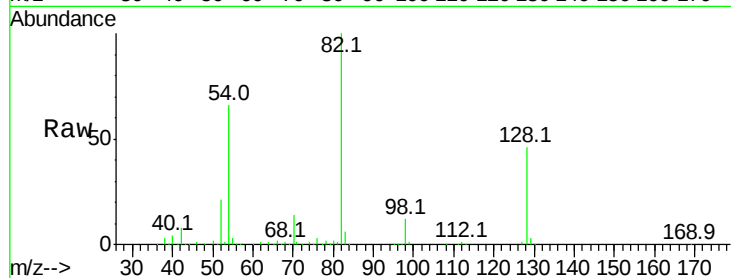




#23
Nitrobenzene-d5
Concen: 66.751 ng
RT: 7.17 min Scan# 882
Delta R.T. -0.03 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

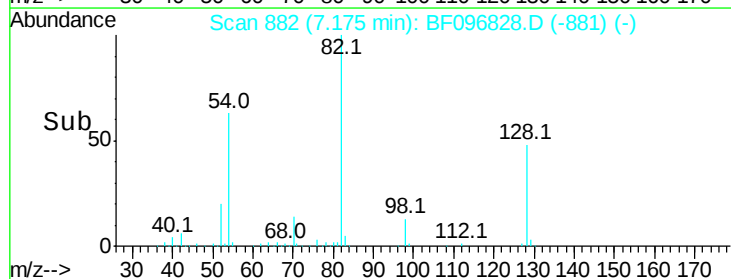
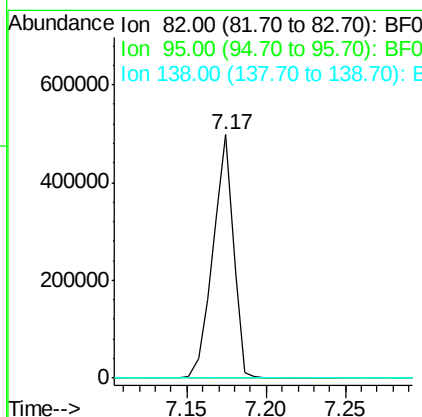
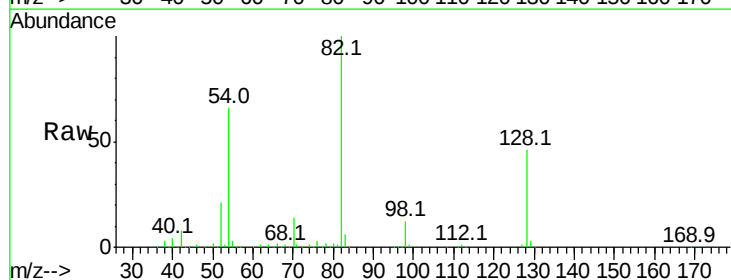
Instrument :
BNA_F
ClientSampleId :
NB-SB04A

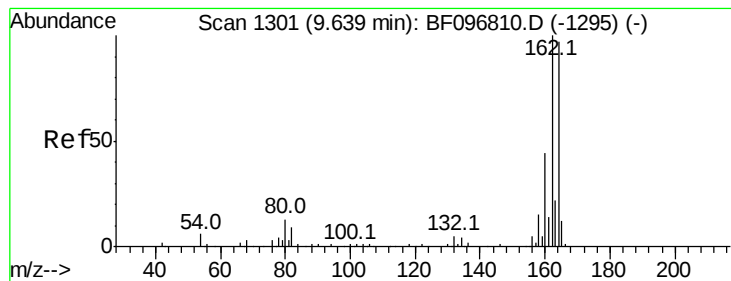
Tot Ion: 82 Resp: 449787
Ion Ratio Lower Upper
82 100
128 46.3 34.0 51.0
54 66.0 42.2 63.2#



#25
Isophorone
Concen: 35.620 ng
RT: 7.17 min Scan# 882
Delta R.T. -0.29 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion: 82 Resp: 446498
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.64 min Scan# 1301

Delta R.T. -0.03 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

Instrument :

BNA_F

ClientSampleId :

NB-SB04A

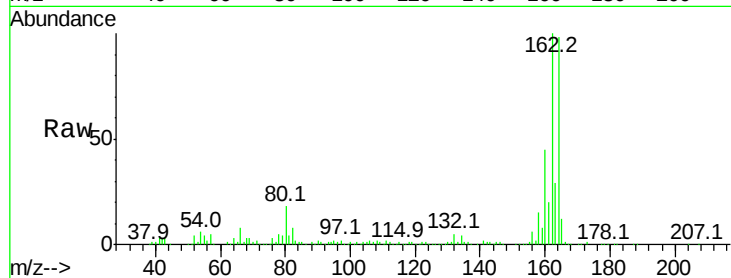
Tot Ion:164 Resp: 154532

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

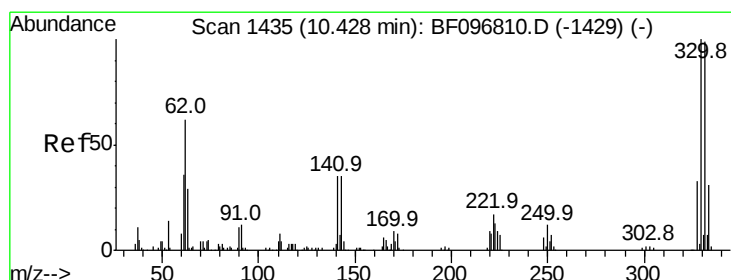
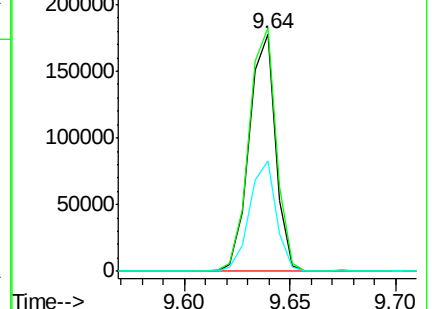
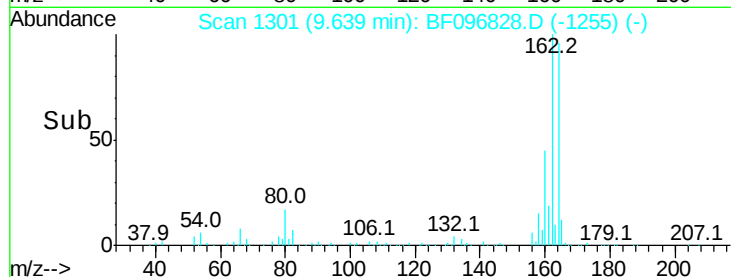
160 46.4 36.2 54.2



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: 86.481 ng

RT: 10.42 min Scan# 1434

Delta R.T. -0.04 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

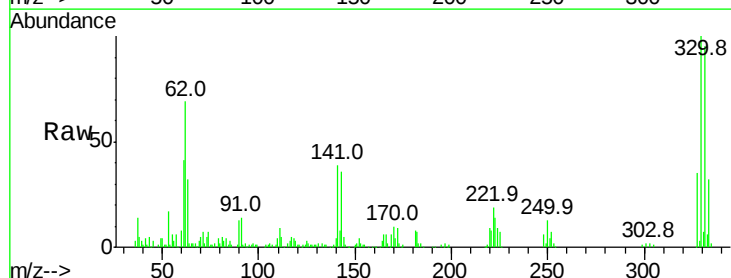
Tgt Ion:330 Resp: 114074

Ion Ratio Lower Upper

330 100

332 94.6 76.6 115.0

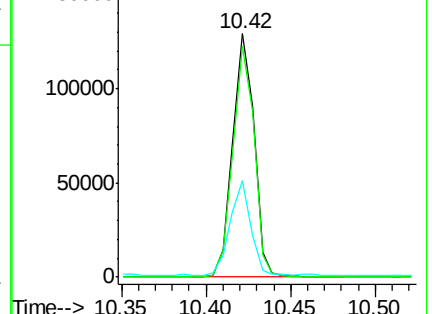
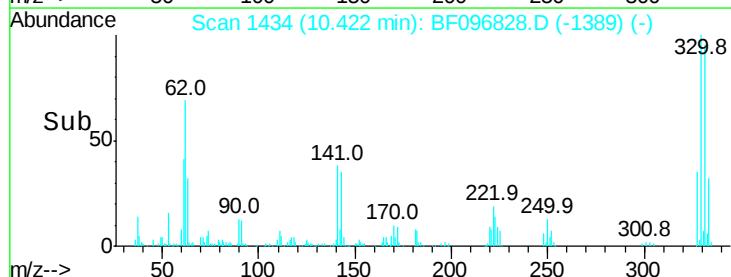
141 37.6 31.4 47.2

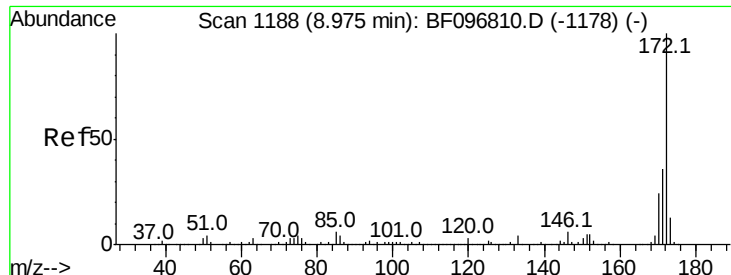


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

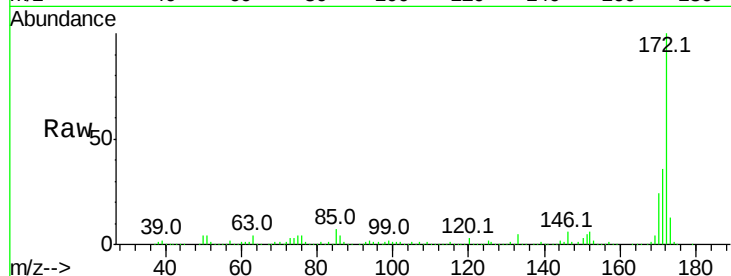




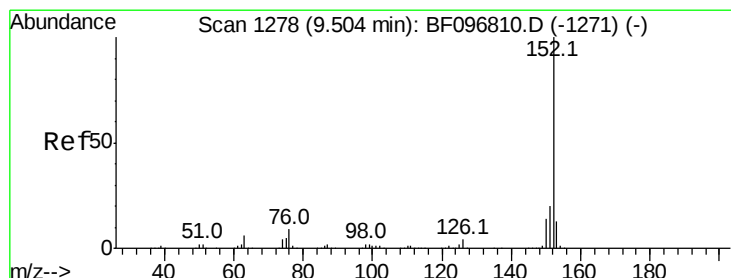
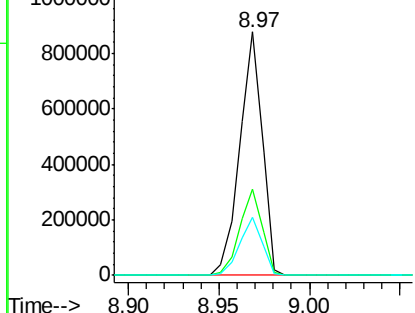
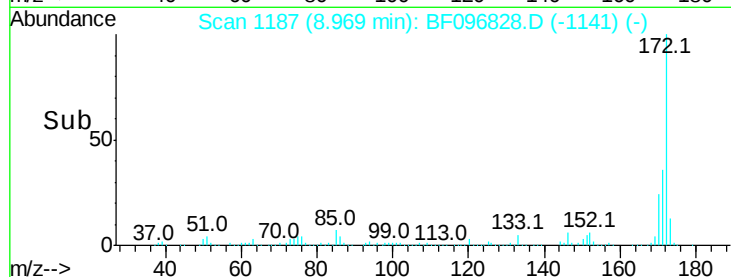
#44
2-Fluorobiphenyl
Concen: 77.288 ng
RT: 8.97 min Scan# 1187
Delta R.T. -0.03 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

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NB-SB04A

Tot Ion:172 Resp: 755953
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.7 19.8 29.8

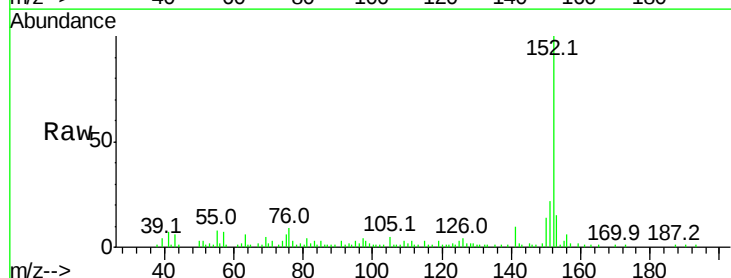


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

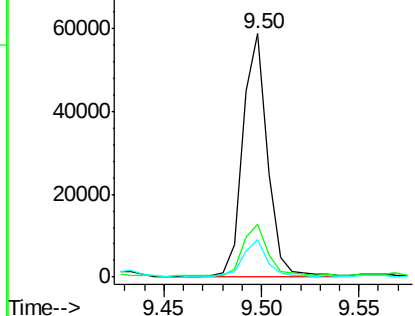
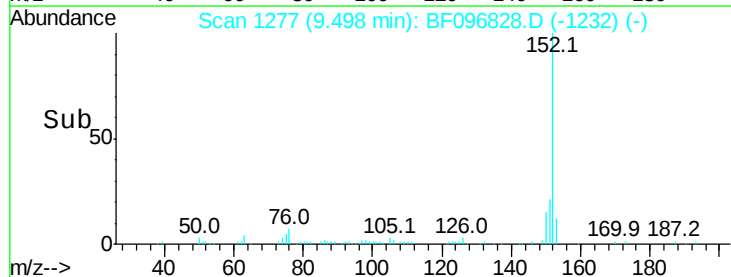


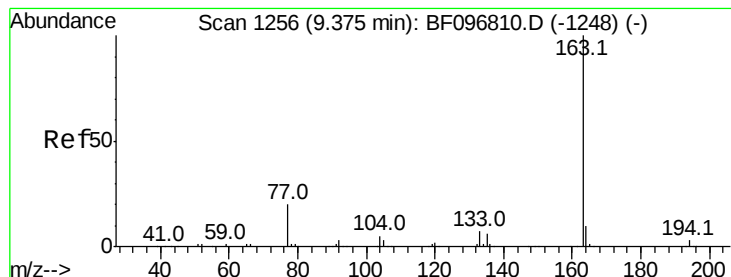
#48
Acenaphthylene
Concen: 3.329 ng
RT: 9.50 min Scan# 1277
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion:152 Resp: 51761
Ion Ratio Lower Upper
152 100
151 21.8 16.8 25.2
153 15.2 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: 8.812 ng

RT: 9.36 min Scan# 1254

Delta R.T. -0.04 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

Instrument :

BNA_F

ClientSampleId :

NB-SB04A

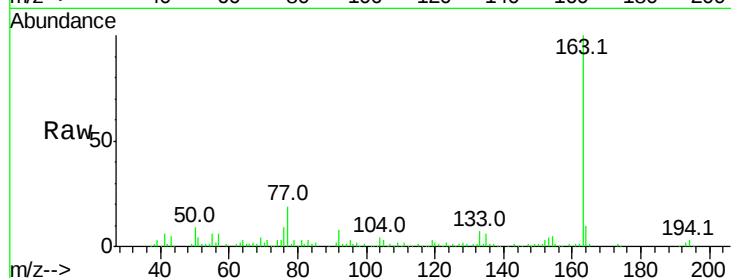
Tot Ion:163 Resp: 102530

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

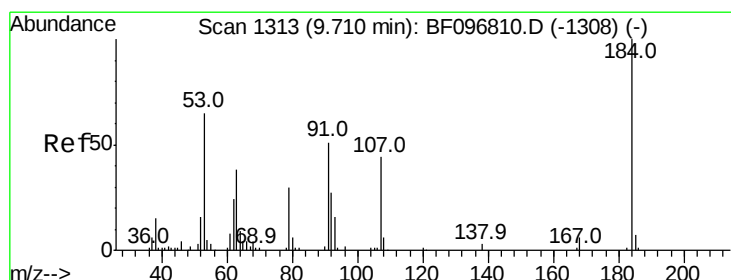
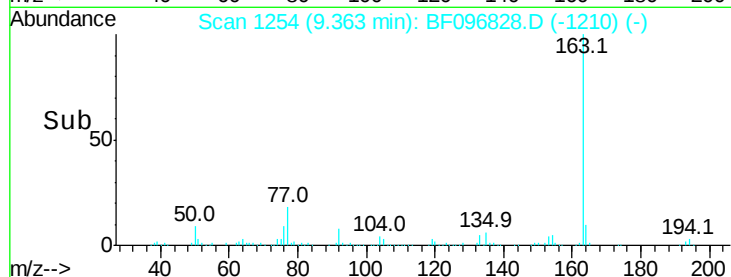
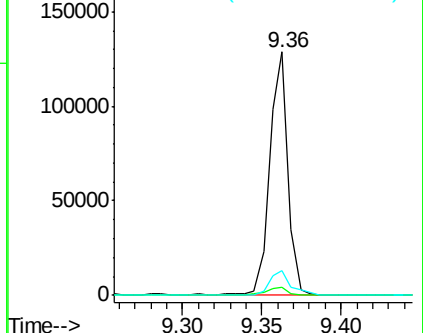
164 10.0 8.4 12.6



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



#53

2,4-Dinitrophenol

Concen: 7.220 ng

RT: 9.92 min Scan# 1349

Delta R.T. 0.19 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

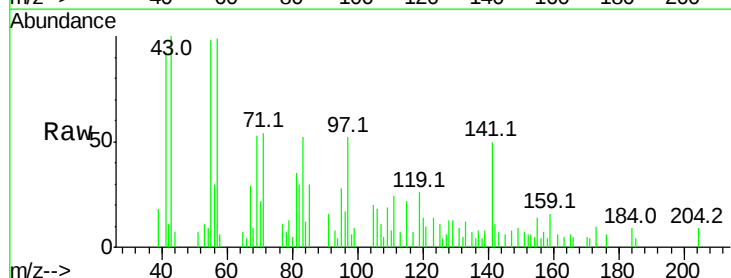
Tgt Ion:184 Resp: 653

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

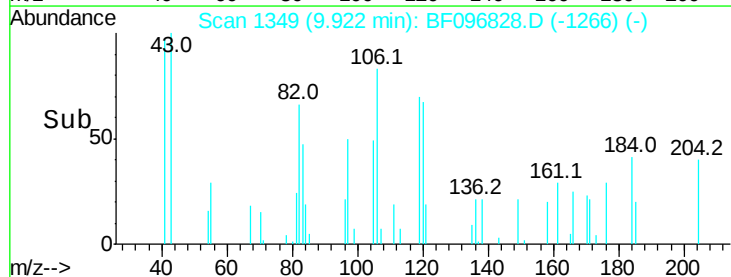
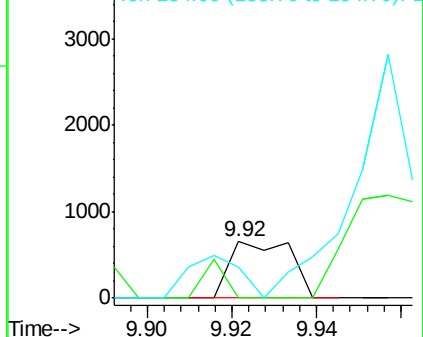
154 55.0 81.1 121.7#

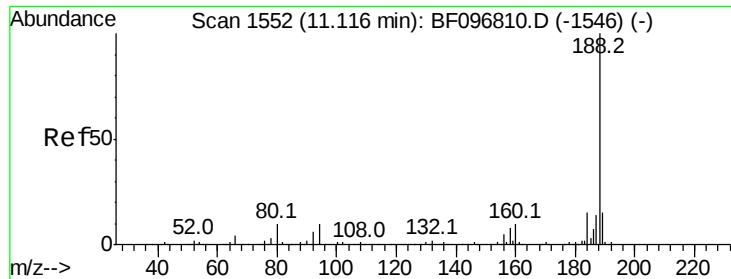


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

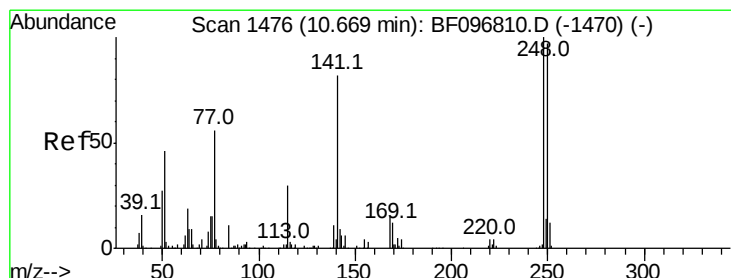
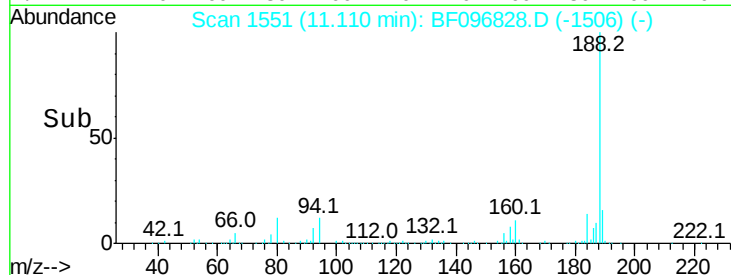
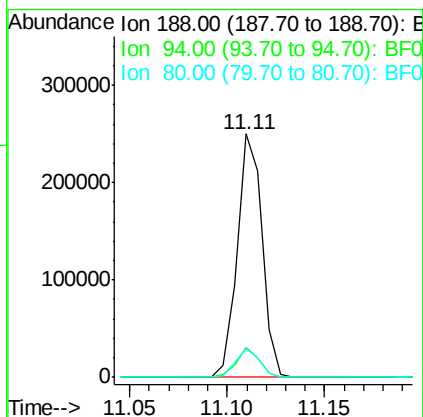
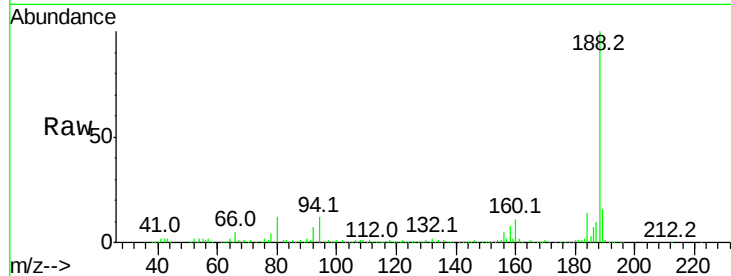




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1551
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

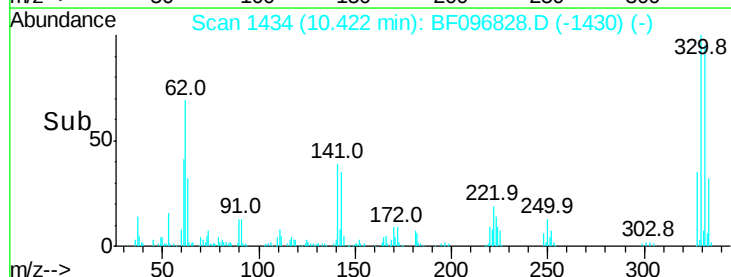
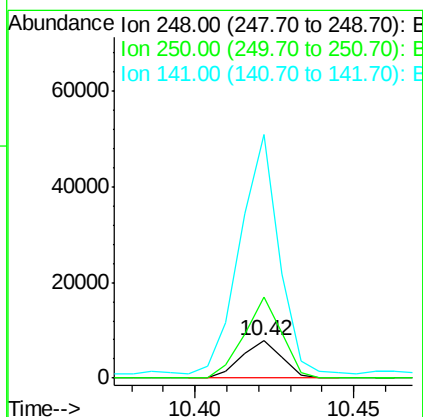
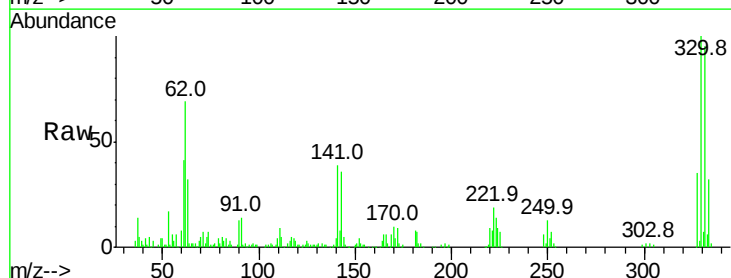
Instrument :
BNA_F
ClientSampleId :
NB-SB04A

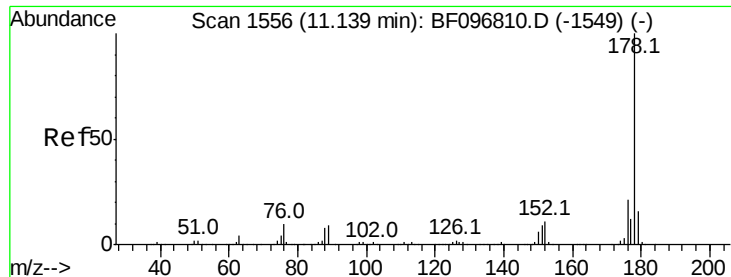
Tot Ion:188 Resp: 219834
Ion Ratio Lower Upper
188 100
94 12.2 9.4 14.2
80 11.9 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 3.006 ng
RT: 10.42 min Scan# 1434
Delta R.T. -0.28 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion:248 Resp: 6746
Ion Ratio Lower Upper
248 100
250 217.7 76.8 115.2#
141 652.7 68.6 103.0#





#70

Phenanthrene

Concen: 16.657 ng

RT: 11.13 min Scan# 1555

Delta R.T. -0.04 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

Instrument :

BNA_F

ClientSampleId :

NB-SB04A

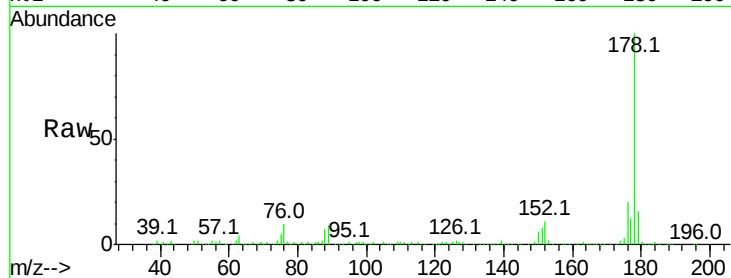
Tot Ion:178 Resp: 199099

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

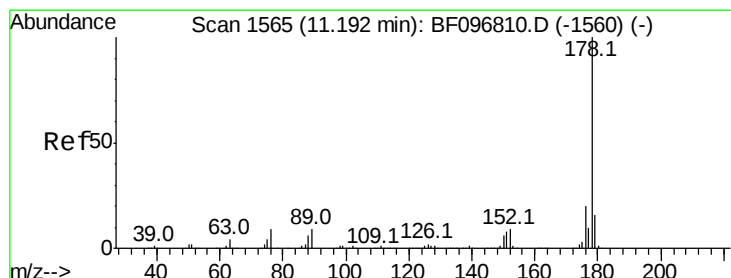
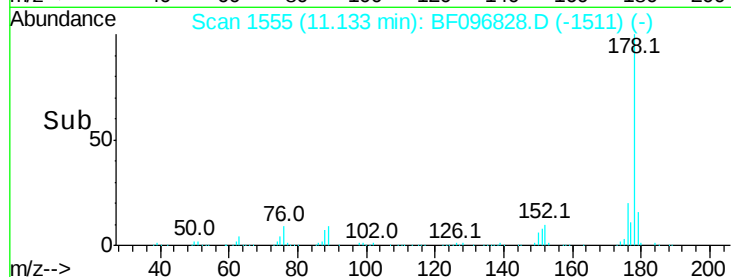
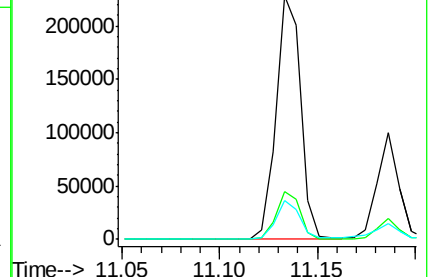
179 16.2 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 6.277 ng

RT: 11.19 min Scan# 1564

Delta R.T. -0.04 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

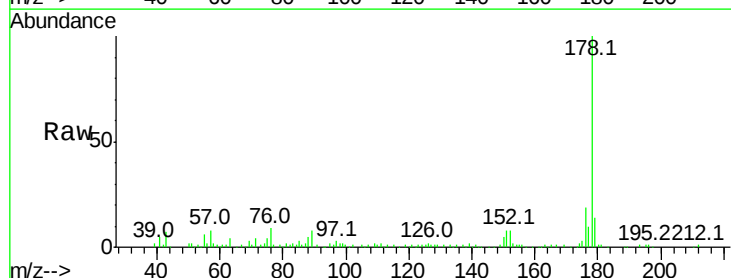
Tgt Ion:178 Resp: 75864

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

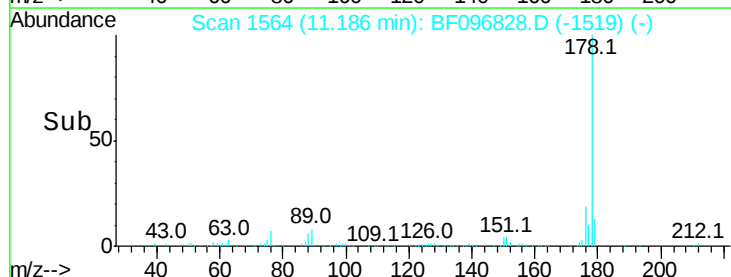
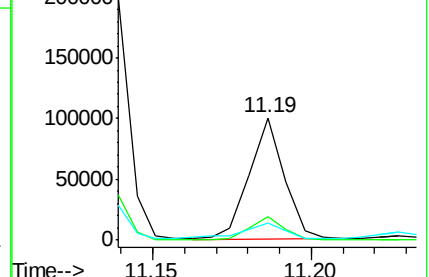
179 14.4 12.7 19.1

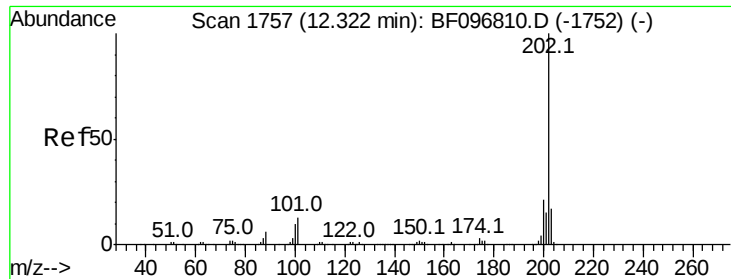


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 33.745 ng

RT: 12.32 min Scan# 1757

Delta R.T. -0.04 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

Instrument :

BNA_F

ClientSampleId :

NB-SB04A

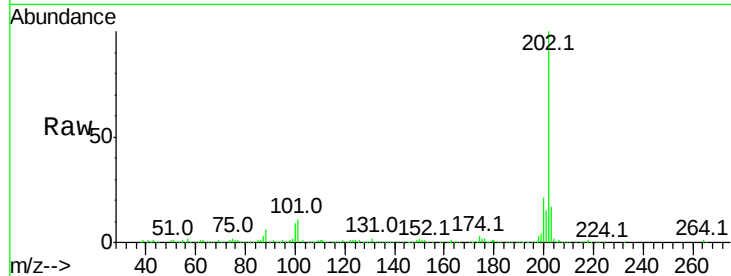
Tot Ion:202 Resp: 386089

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.2

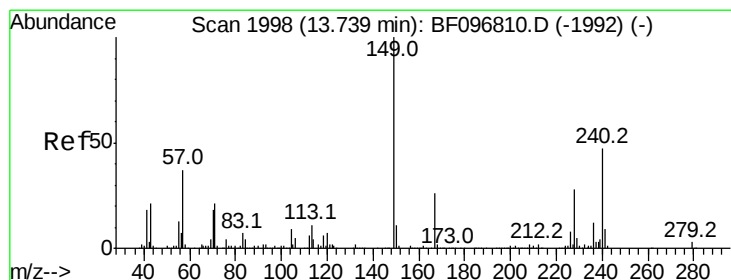
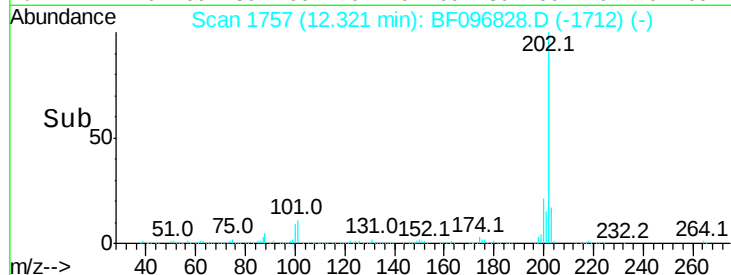
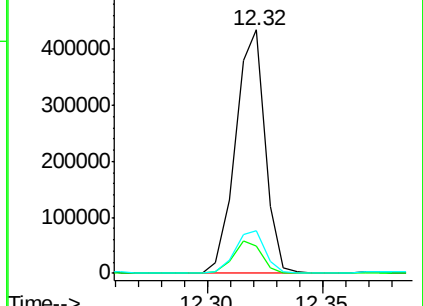
203 17.4 0.0 38.1



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: 13.74 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

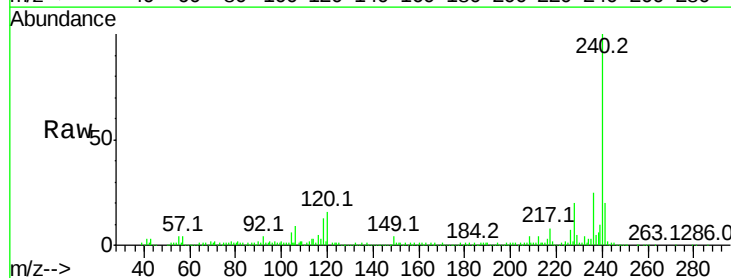
Tgt Ion:240 Resp: 233161

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

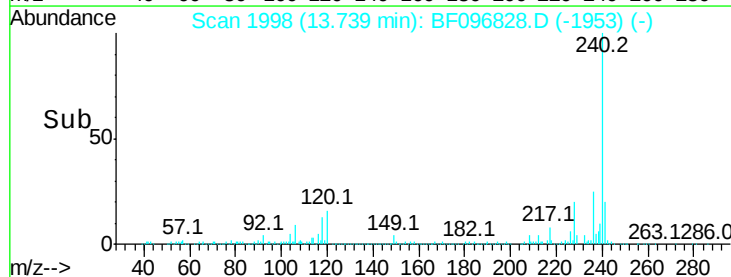
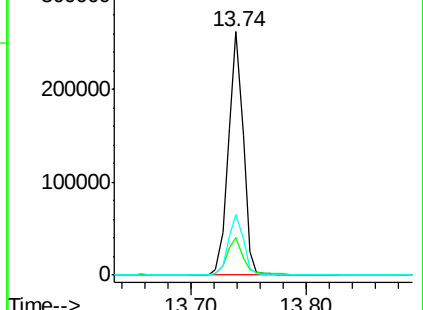
236 25.1 20.5 30.7

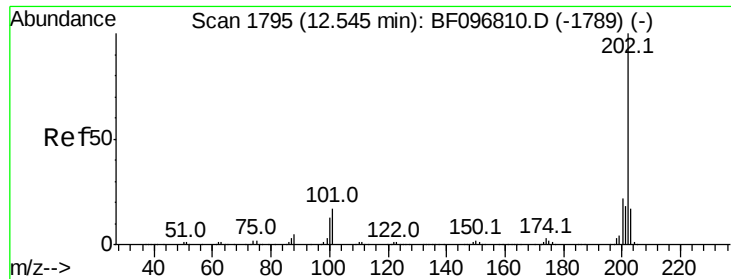


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 18.650 ng

RT: 12.54 min Scan# 1795

Delta R.T. -0.04 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

Instrument :

BNA_F

ClientSampleId :

NB-SB04A

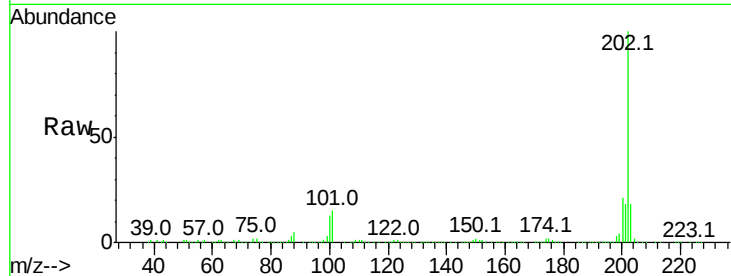
Tot Ion:202 Resp: 394645

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

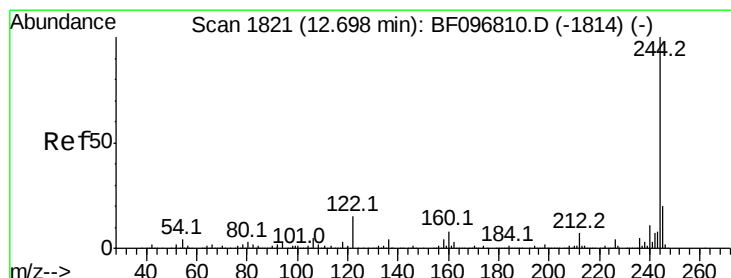
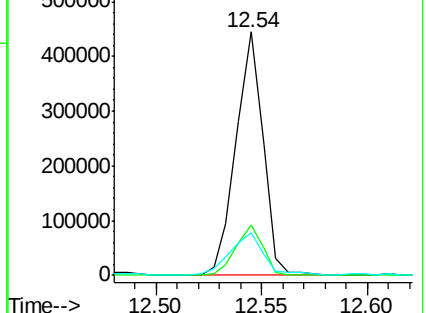
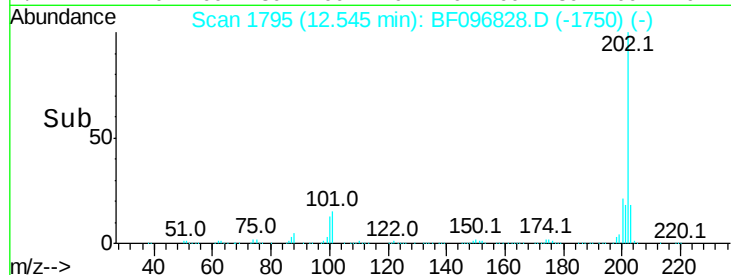
203 17.7 14.4 21.6



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: 36.602 ng

RT: 12.70 min Scan# 1821

Delta R.T. -0.04 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

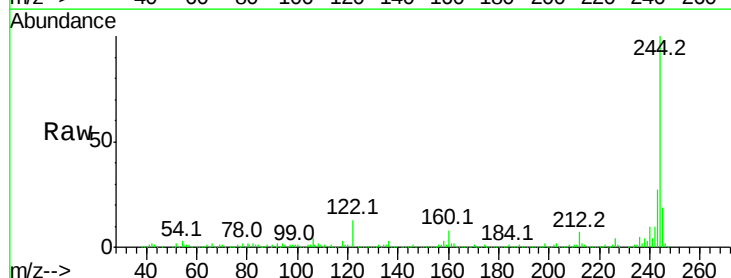
Tgt Ion:244 Resp: 492097

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

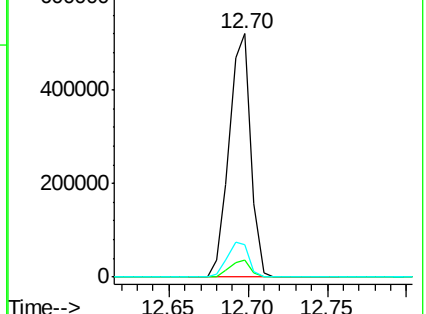
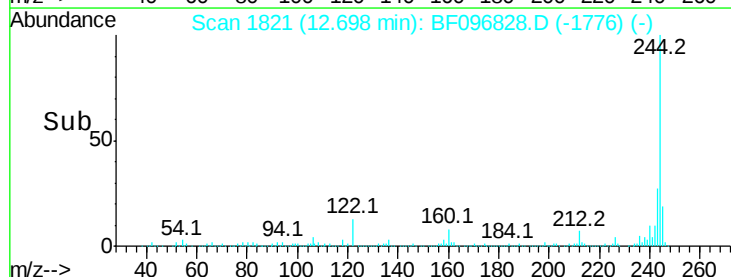
122 13.4 10.3 15.5

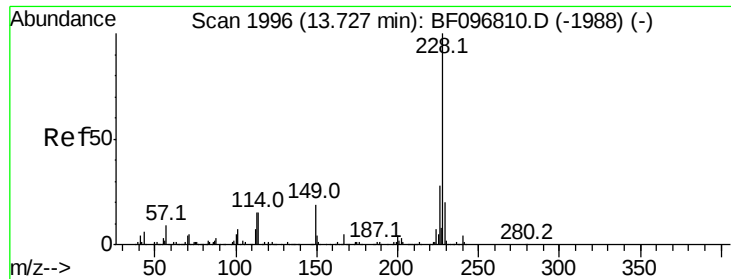


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

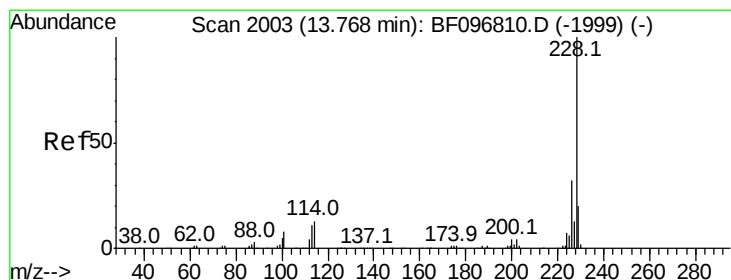
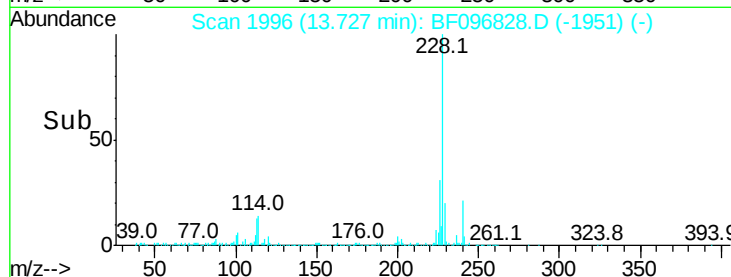
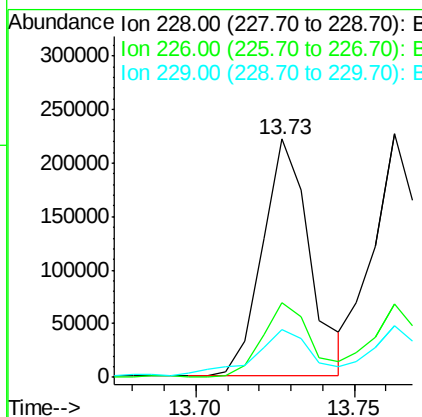
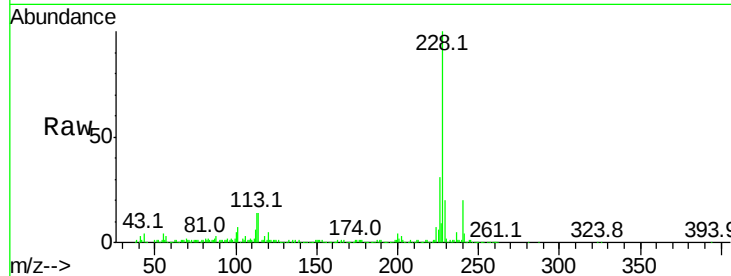




#80
Benzo(a)anthracene
Concen: 15.858 ng
RT: 13.73 min Scan# 1996
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

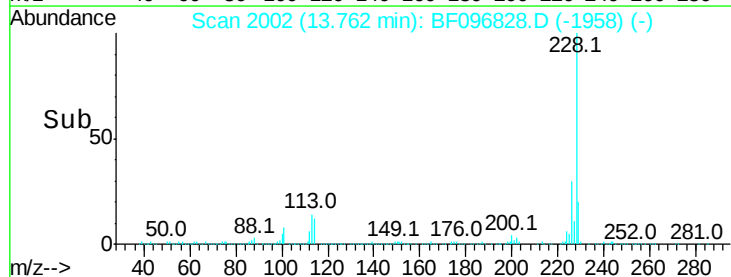
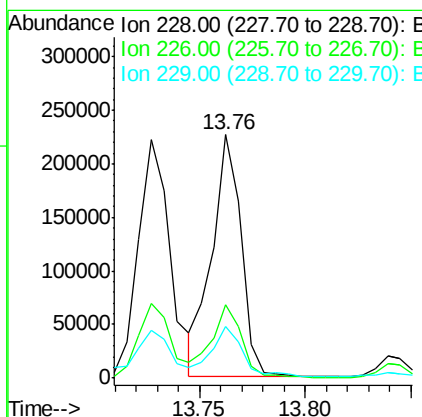
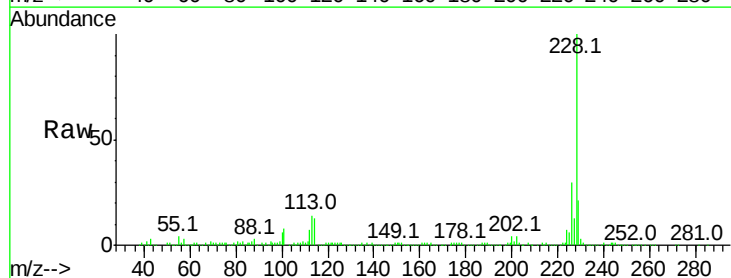
Instrument :
BNA_F
ClientSampleId :
NB-SB04A

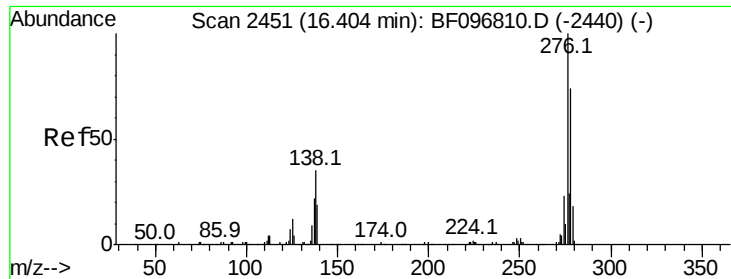
Tot Ion:228 Resp: 230378
Ion Ratio Lower Upper
228 100
226 31.4 22.6 33.8
229 20.0 16.3 24.5



#82
Chrysene
Concen: 15.281 ng
RT: 13.76 min Scan# 2002
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion:228 Resp: 218552
Ion Ratio Lower Upper
228 100
226 30.3 24.9 37.3
229 21.2 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 10.064 ng

RT: 16.40 min Scan# 2450

Delta R.T. -0.07 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

Instrument :

BNA_F

ClientSampleId :

NB-SB04A

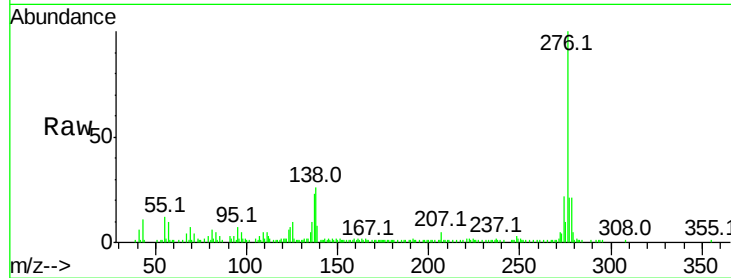
Tot Ion:276 Resp: 93432

Ion Ratio Lower Upper

276 100

138 29.2 27.8 41.6

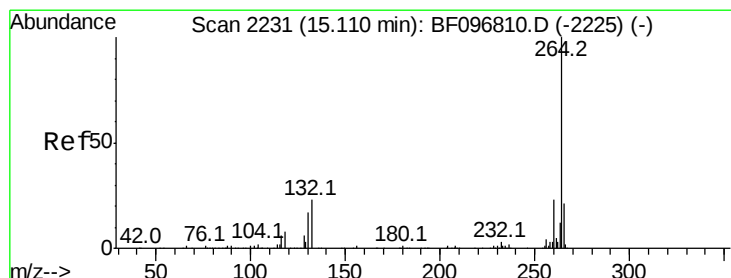
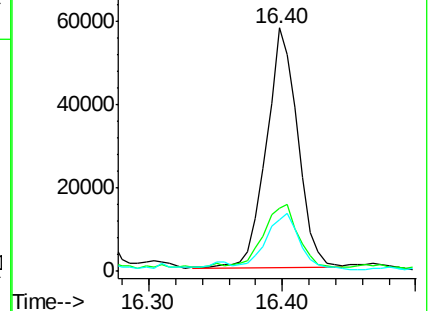
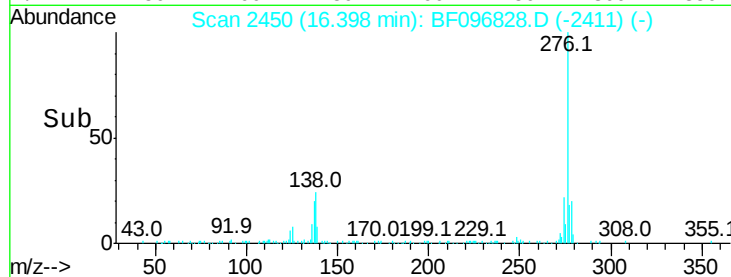
277 25.5 20.2 30.4



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: 15.12 min Scan# 2232

Delta R.T. -0.04 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

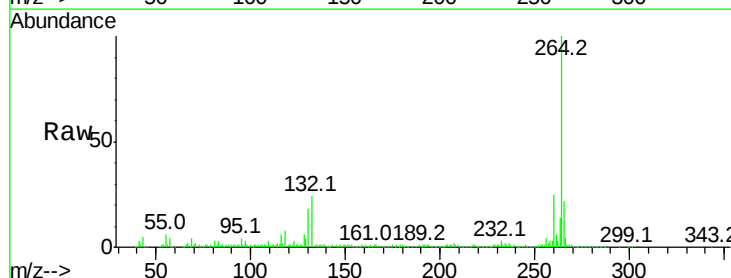
Tgt Ion:264 Resp: 199742

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

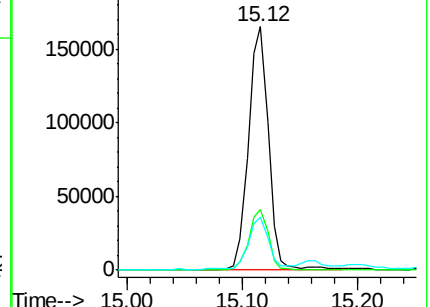
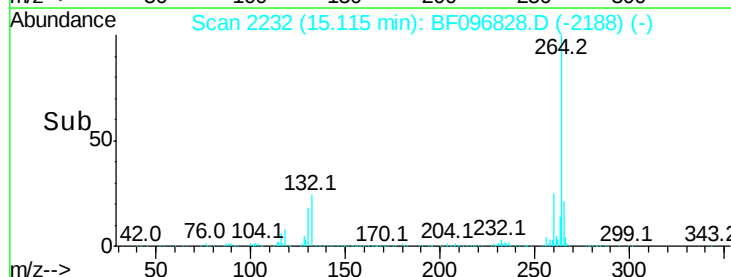
265 21.8 17.2 25.8

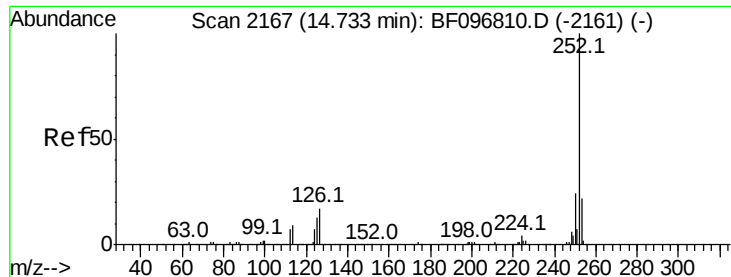


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 29.767 ng

RT: 14.74 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

Instrument :

BNA_F

ClientSampleId :

NB-SB04A

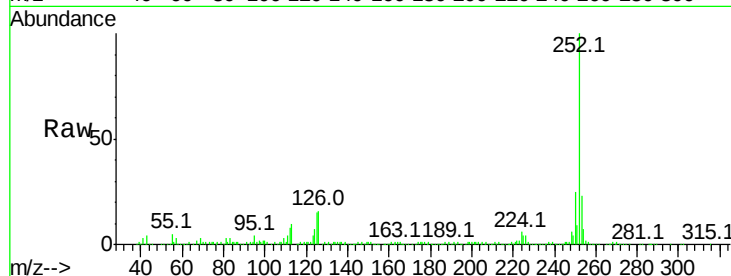
Tot Ion:252 Resp: 358591

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

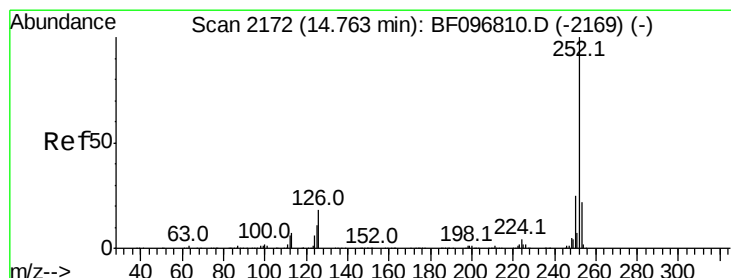
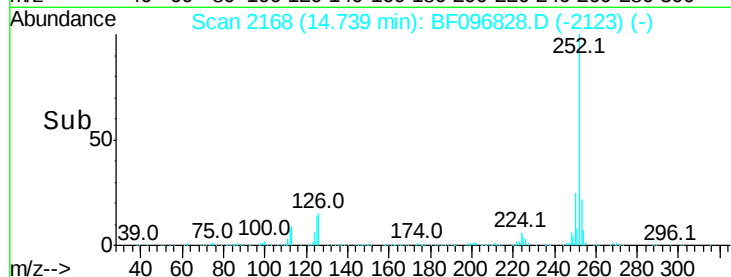
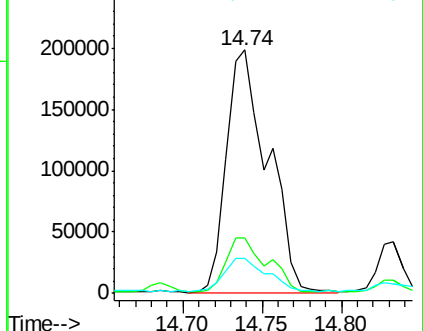
125 14.6 9.8 14.8



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: 31.434 ng

RT: 14.74 min Scan# 2168

Delta R.T. -0.06 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

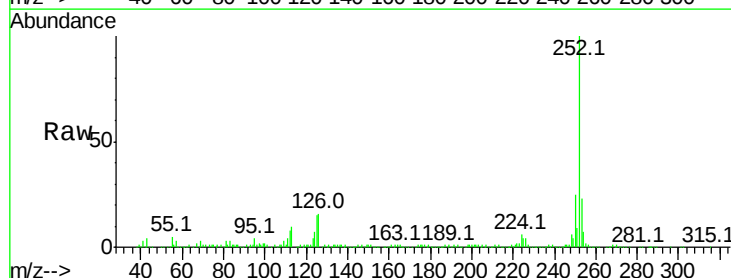
Tgt Ion:252 Resp: 358591

Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

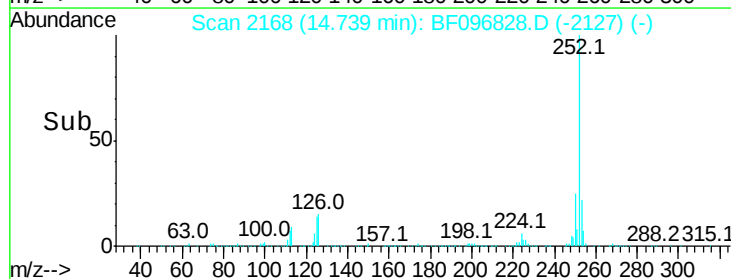
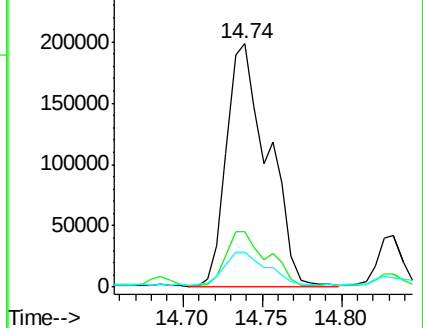
125 14.6 13.1 19.7

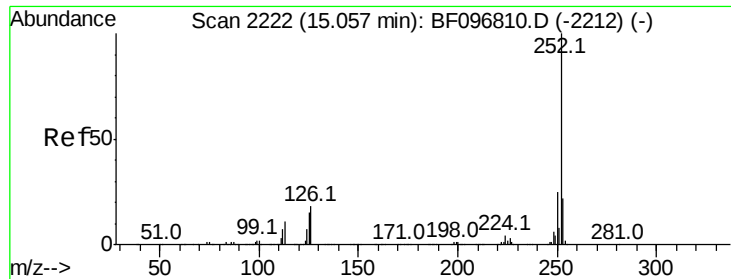


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

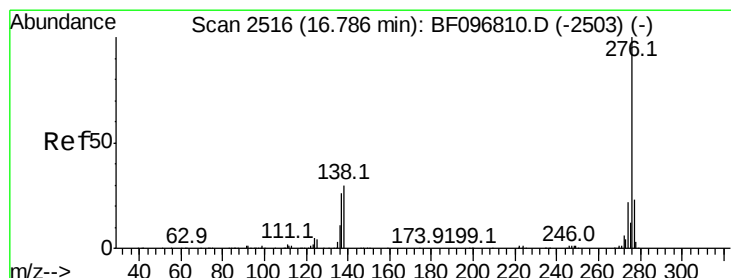
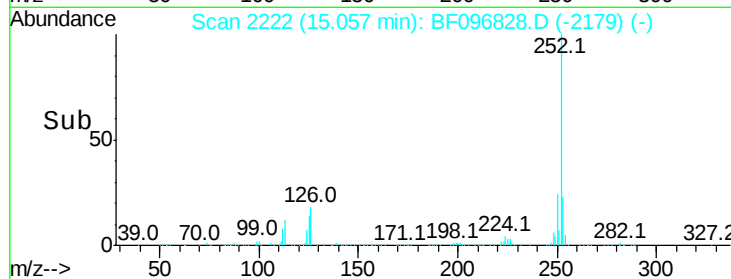
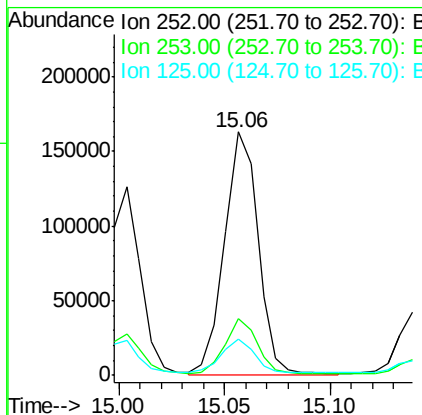
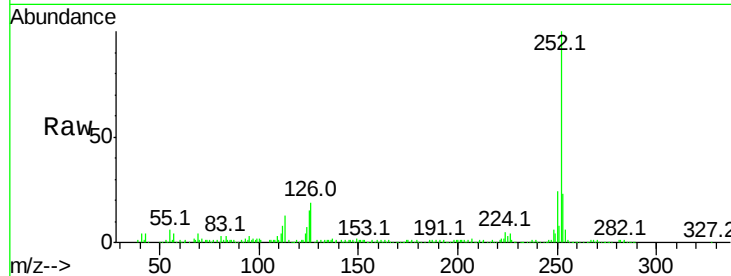




#89
Benzo(a)pyrene
Concen: 16.262 ng
RT: 15.06 min Scan# 2222
Delta R.T. -0.05 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Instrument :
BNA_F
ClientSampleId :
NB-SB04A

Tot Ion:252 Resp: 179680
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 14.7 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 7.958 ng
RT: 16.79 min Scan# 2516
Delta R.T. -0.08 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion:276 Resp: 86643
Ion Ratio Lower Upper
276 100
277 24.2 18.6 28.0
138 33.4 25.4 38.0

