

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096856.D
 Acq On : 18 Jul 2017 19:37
 Operator : SJ/JU
 Sample : I4245-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-A

Quant Time: Jul 19 01:14:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

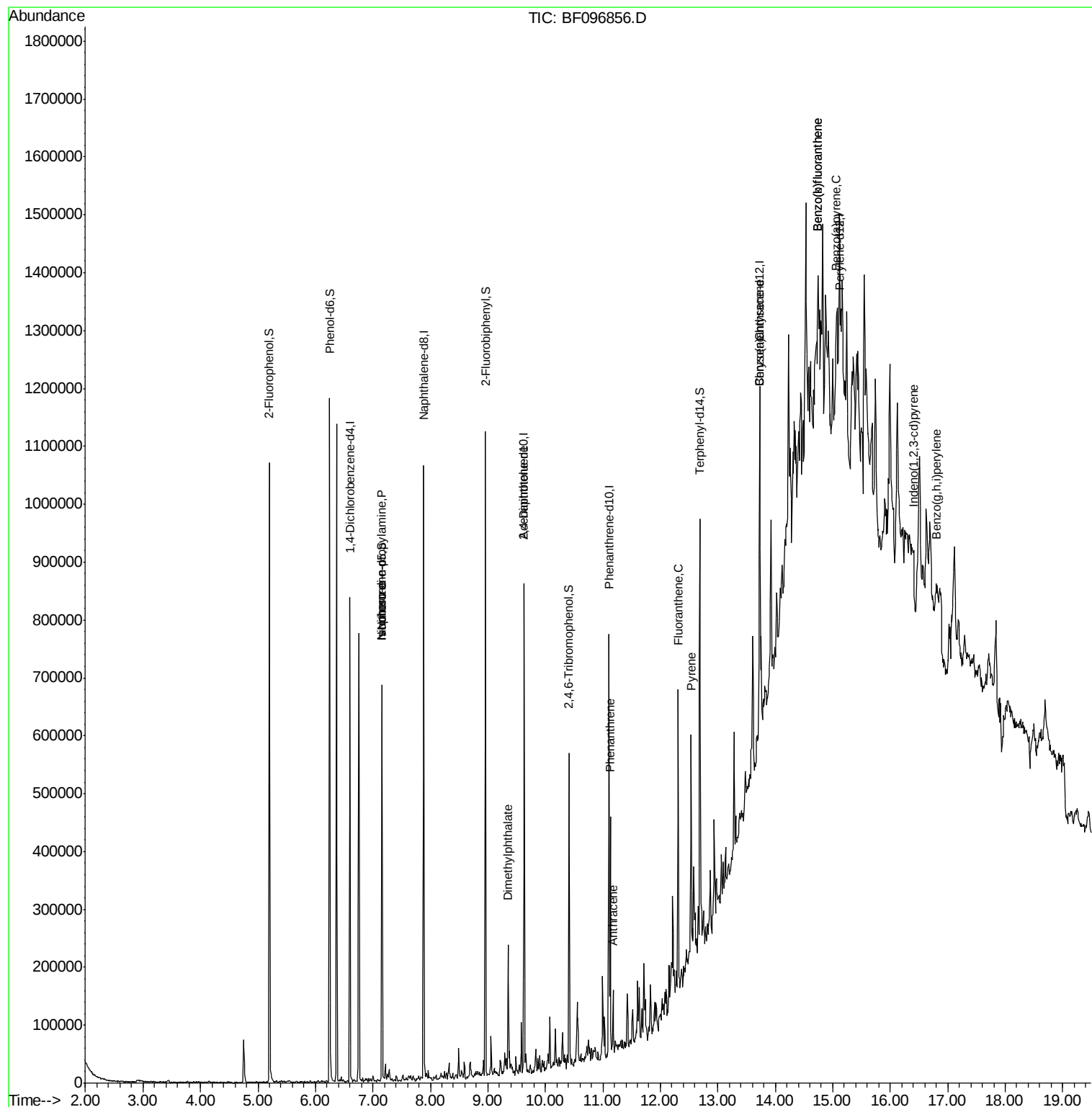
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	109061	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	412524	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	158537	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	240203	20.00	ng	0.00
75) Chrysene-d12	13.73	240	188733	20.00	ng	0.00
86) Perylene-d12	15.12	264	129229	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	291355	40.17	ng	0.00
7) Phenol-d6	6.25	99	345876	39.74	ng	0.00
23) Nitrobenzene-d5	7.16	82	192236	28.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	52314	38.66	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	301670	30.06	ng	0.00
78) Terphenyl-d14	12.69	244	205674	18.90	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	24910	4.75	ng	# 88
25) Isophorone	7.16	82	189876	15.33	ng	# 67
49) Dimethylphthalate	9.35	163	75960	6.36	ng	100
56) 2,4-Dinitrotoluene	9.63	165	20180	6.07	ng	# 34
70) Phenanthrene	11.13	178	134704	10.31	ng	97
71) Anthracene	11.18	178	33972	2.57	ng	100
74) Fluoranthene	12.31	202	181784	14.54	ng	99
77) Pyrene	12.53	202	169729	9.91	ng	98
80) Benzo(a)anthracene	13.72	228	70185	5.97	ng	97
82) Chrysene	13.72	228	70185	6.06	ng	95
85) Indeno(1,2,3-cd)pyrene	16.42	276	21313	5.24	ng	94
87) Benzo(b)fluoranthene	14.73	252	77766	9.98	ng	# 64
88) Benzo(k)fluoranthene	14.73	252	77766	10.54	ng	# 69
89) Benzo(a)pyrene	15.06	252	38900	5.44	ng	# 58
91) Benzo(a,h,i)perylene	16.80	276	23917	3.40	ng	# 79

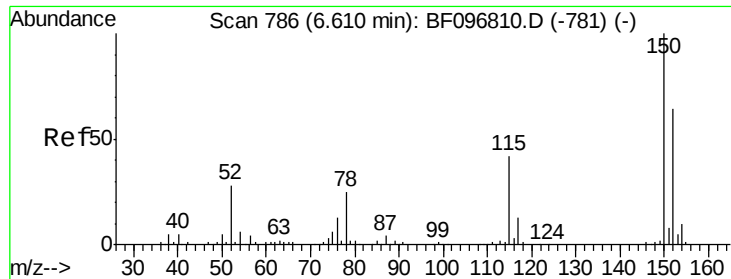
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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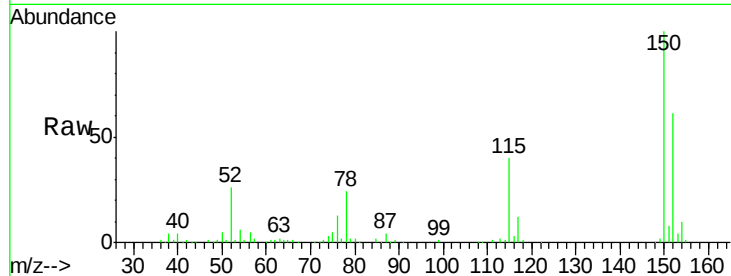


#1

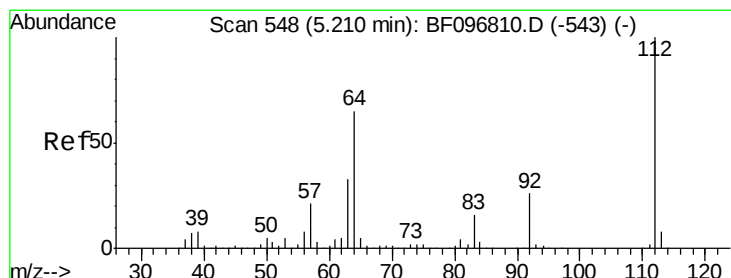
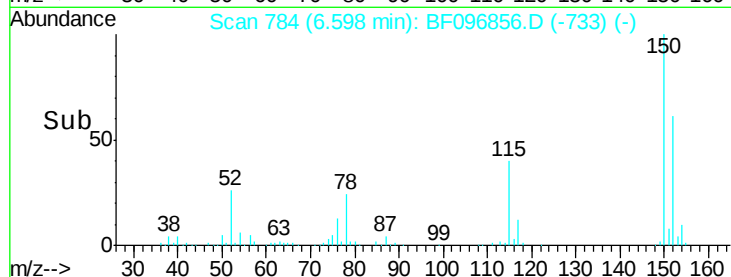
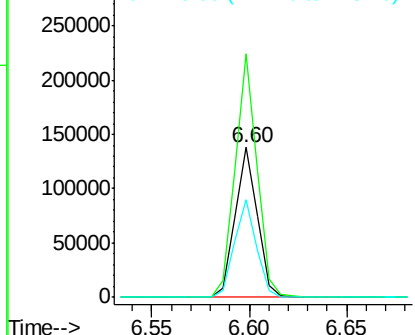
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-A

Tot Ion:152 Resp: 109061
Ion Ratio Lower Upper
152 100
150 162.8 126.2 189.2
115 65.3 52.2 78.2



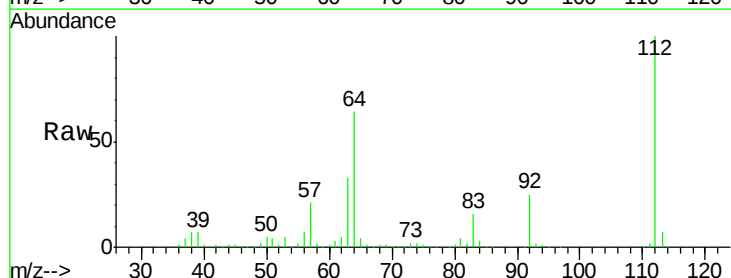
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



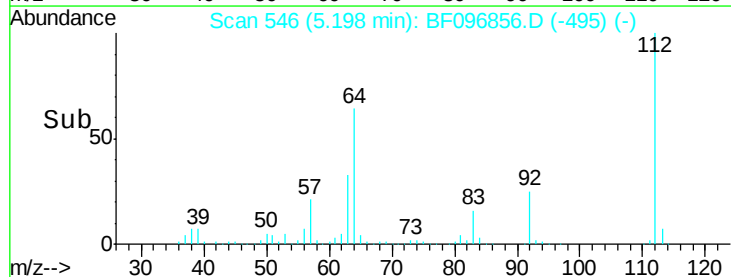
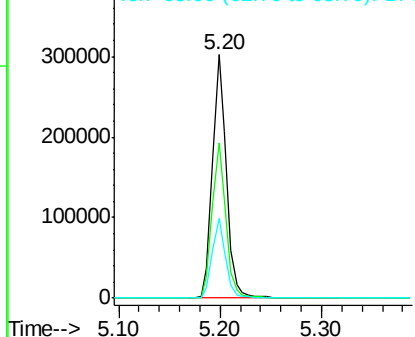
#5

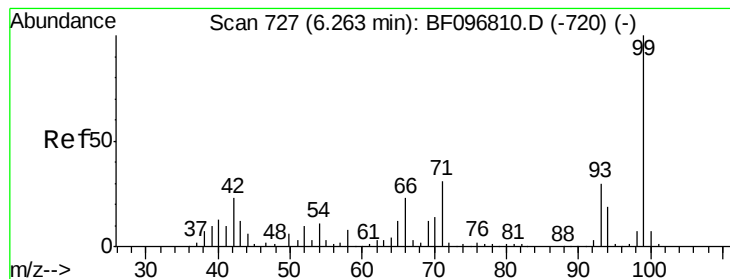
2-Fluorophenol
Concen: 40.17 ng
RT: 5.20 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Tgt Ion:112 Resp: 291355
Ion Ratio Lower Upper
112 100
64 63.8 46.0 69.0
63 32.7 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: 39.74 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-A

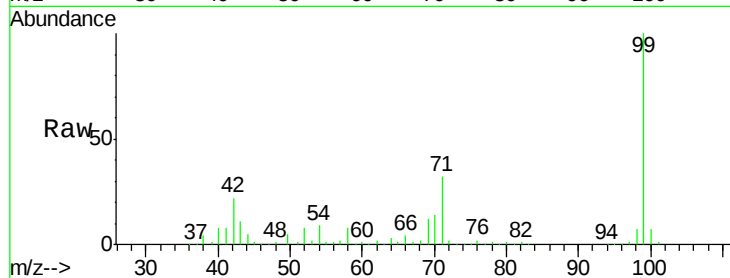
Tot Ion: 99 Resp: 345876

Ion Ratio Lower Upper

99 100

42 21.8 13.5 20.3#

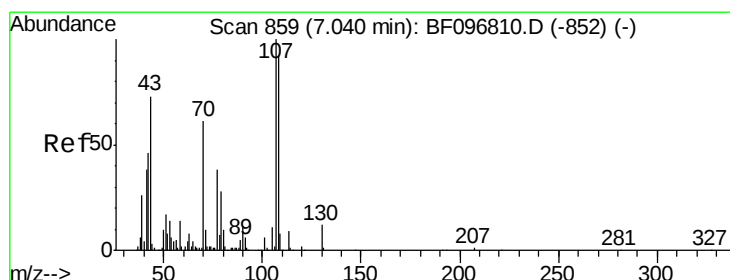
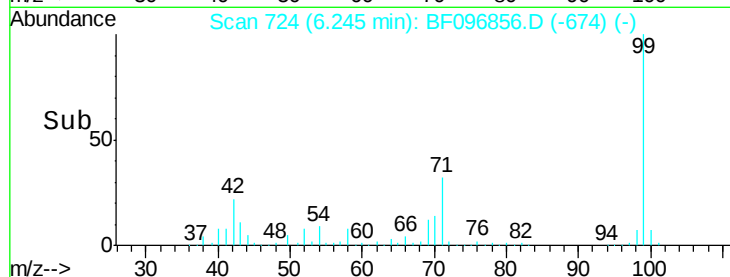
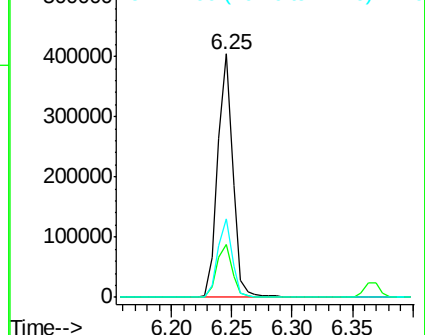
71 32.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 4.75 ng

RT: 7.16 min Scan# 879

Delta R.T. 0.13 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Tgt Ion: 70 Resp: 24910

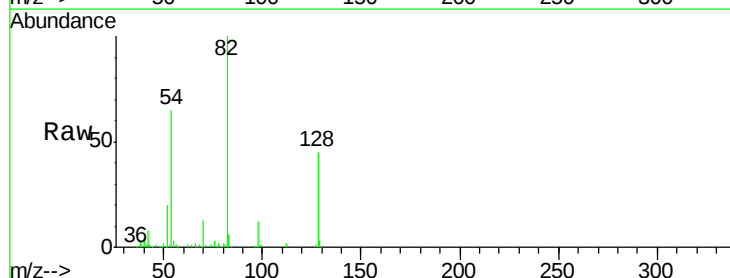
Ion Ratio Lower Upper

70 100

42 59.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

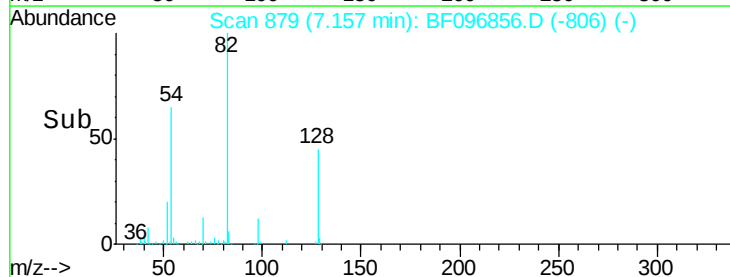
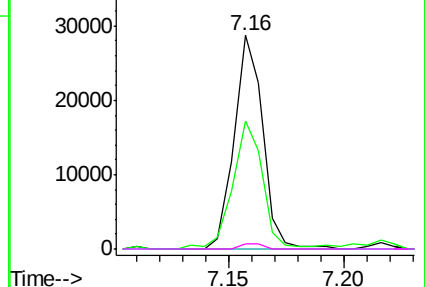


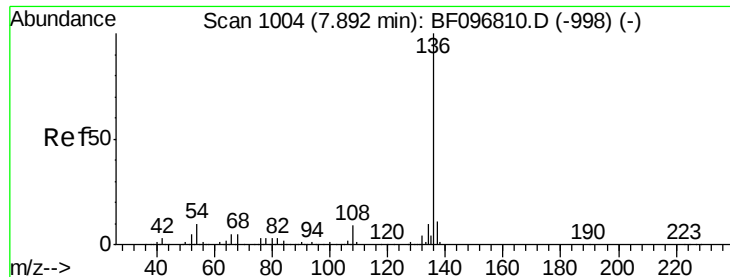
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-A

Tot Ion:136 Resp: 412524

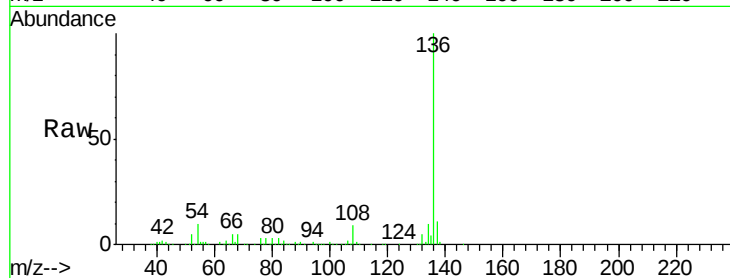
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.3 4.9 7.3#

68 4.9 4.1 6.1

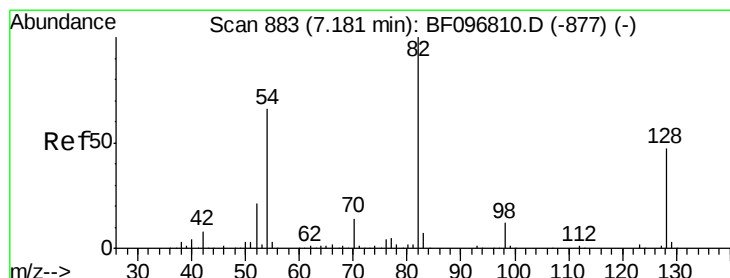
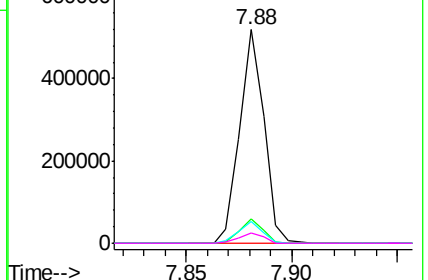
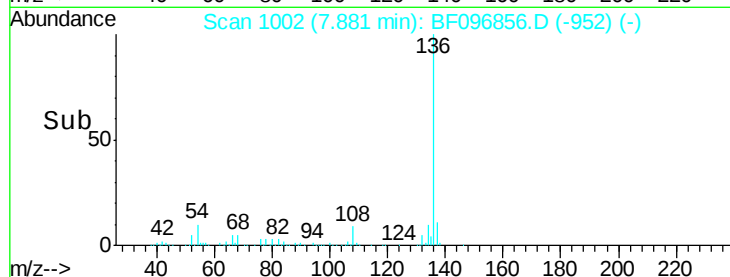


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 28.86 ng

RT: 7.16 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

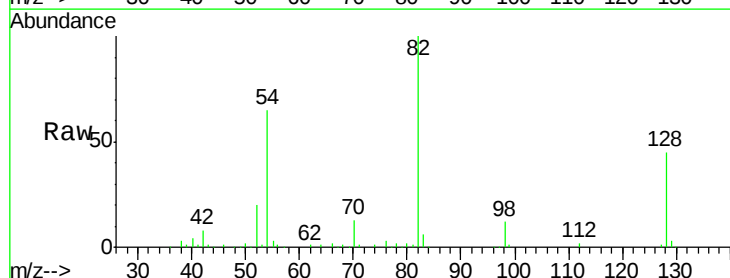
Tgt Ion: 82 Resp: 192236

Ion Ratio Lower Upper

82 100

128 44.9 34.0 51.0

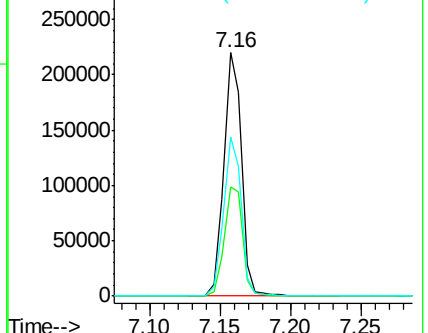
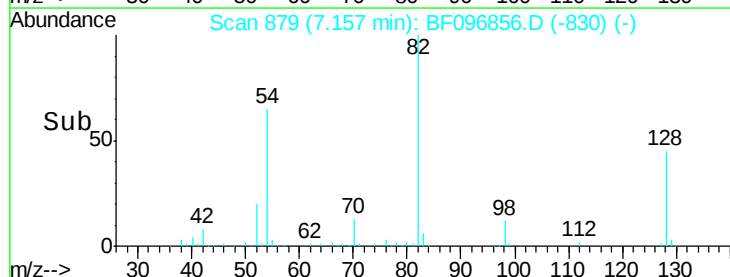
54 65.2 42.2 63.2#

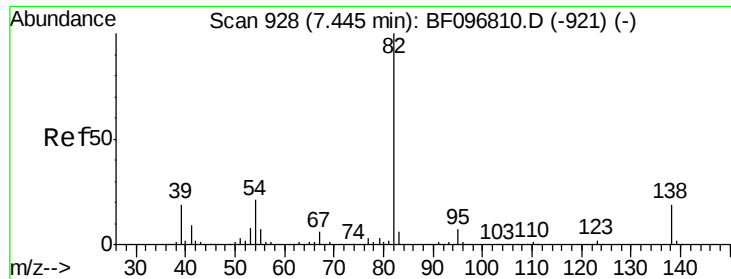


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 15.33 ng

RT: 7.16 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-A

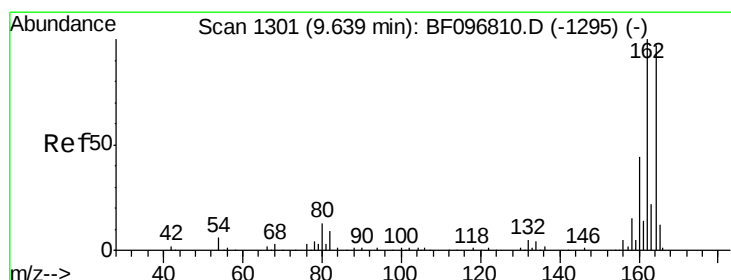
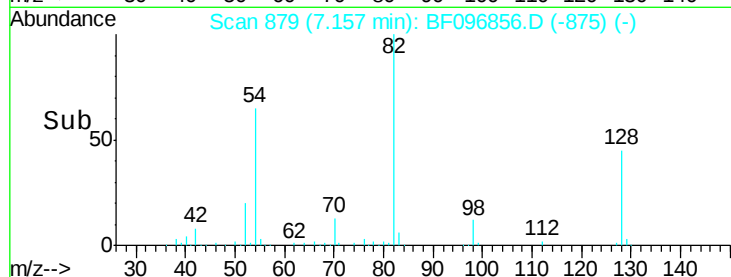
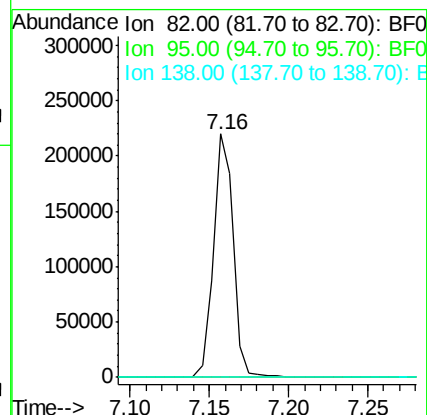
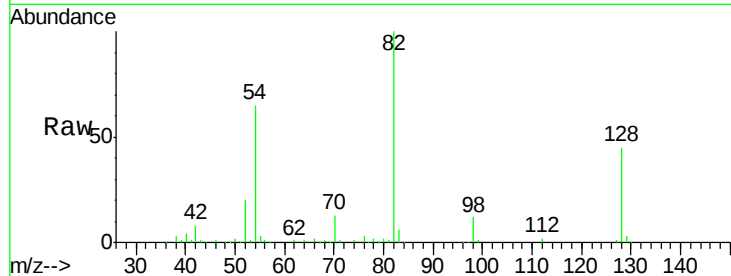
Tot Ion: 82 Resp: 189876

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

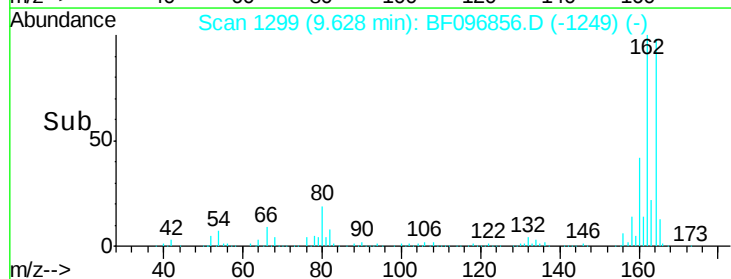
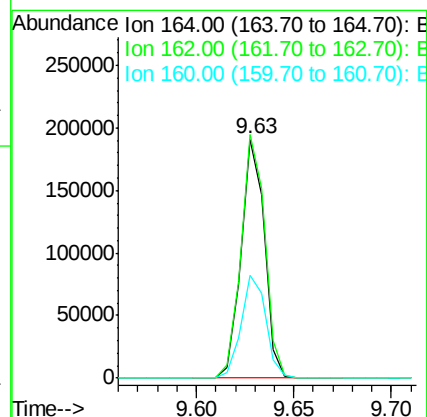
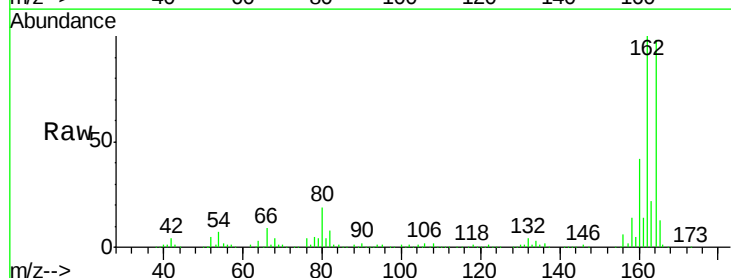
Tgt Ion: 164 Resp: 158537

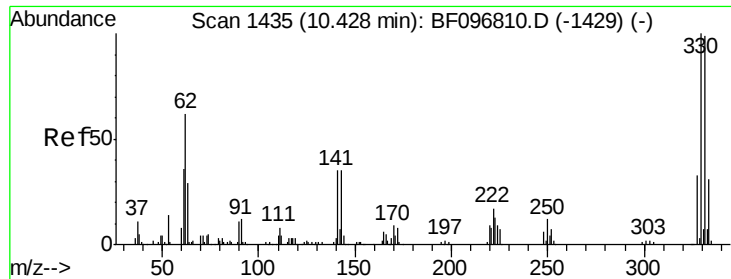
Ion Ratio Lower Upper

164 100

162 102.1 82.6 123.8

160 43.1 36.2 54.2

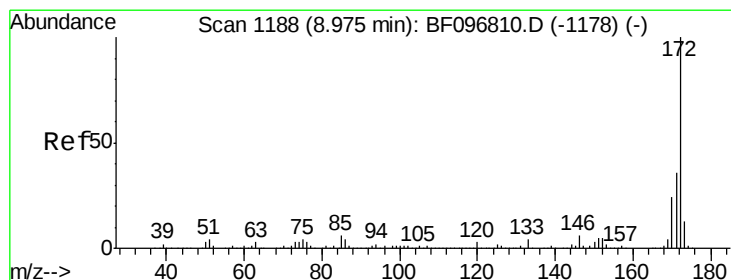
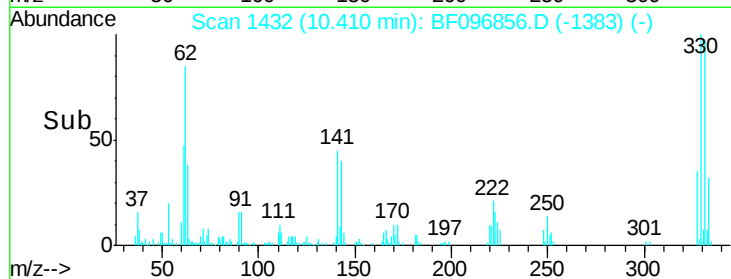
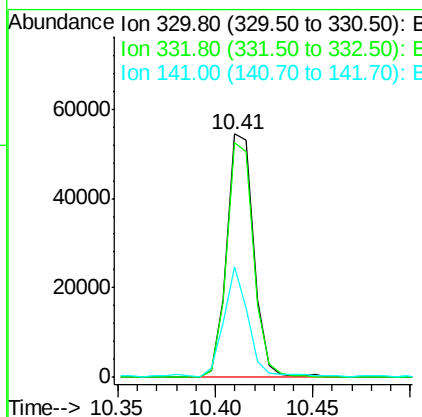
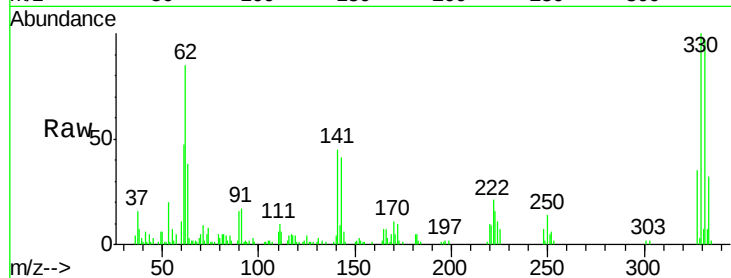




#41
 2,4,6-Tribromophenol
 Concen: 38.66 ng
 RT: 10.41 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF096856.D
 Acq: 18 Jul 2017 19:37

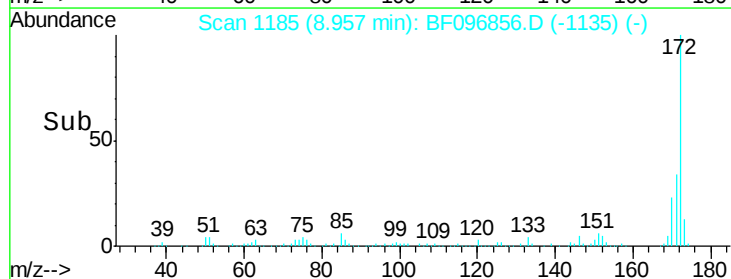
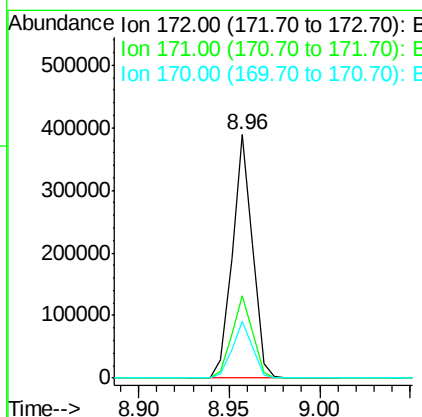
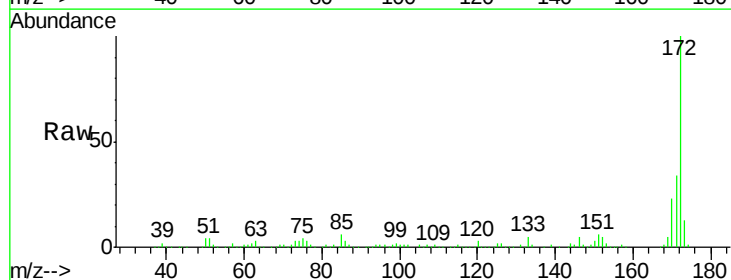
Instrument :
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 PL-01-071717-A

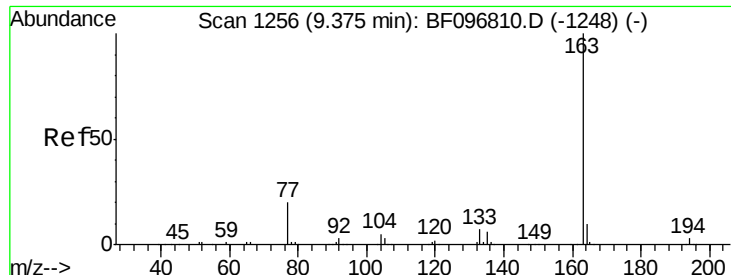
Tot Ion:330 Resp: 52314
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 115.0
 141 42.9 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 30.06 ng
 RT: 8.96 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF096856.D
 Acq: 18 Jul 2017 19:37

Tgt Ion:172 Resp: 301670
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.6 44.4
 170 23.4 19.8 29.8

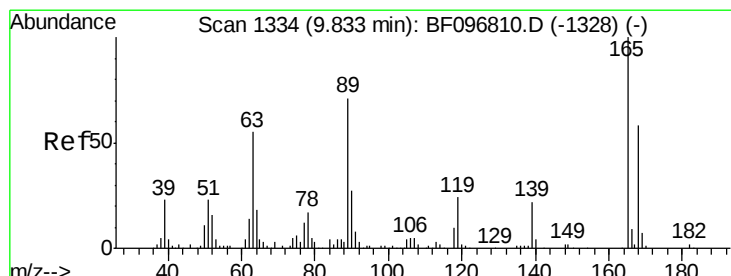
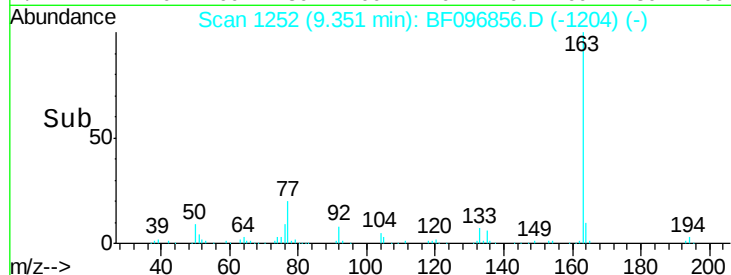
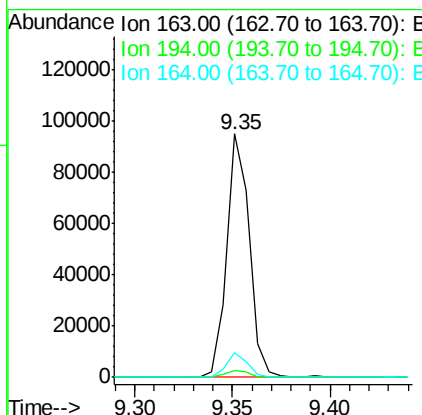
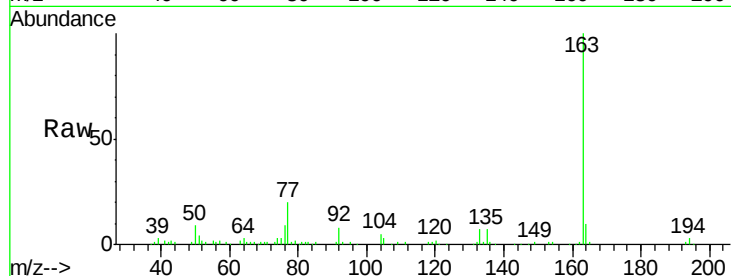




#49
Dimethylphthalate
Concen: 6.36 ng
RT: 9.35 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

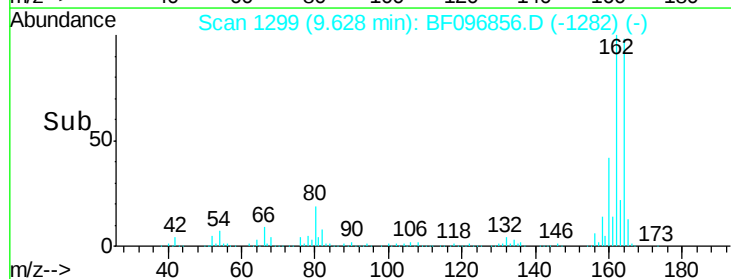
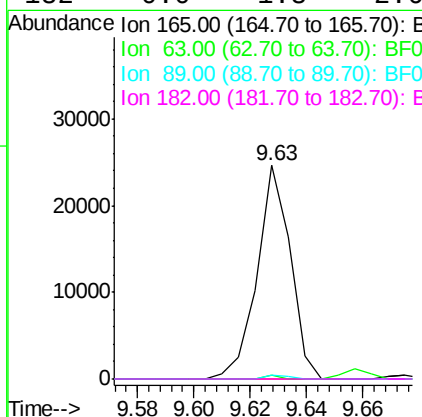
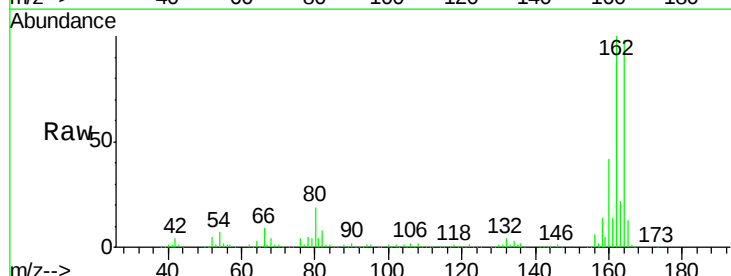
Instrument :
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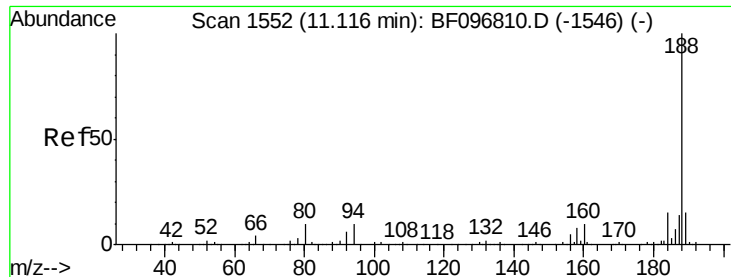
Tot Ion:163 Resp: 75960
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.4 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.07 ng
RT: 9.63 min Scan# 1299
Delta R.T. -0.20 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Tgt Ion:165 Resp: 20180
Ion Ratio Lower Upper
165 100
63 1.7 25.4 38.0#
89 2.0 46.4 69.6#
182 0.0 1.8 2.6#

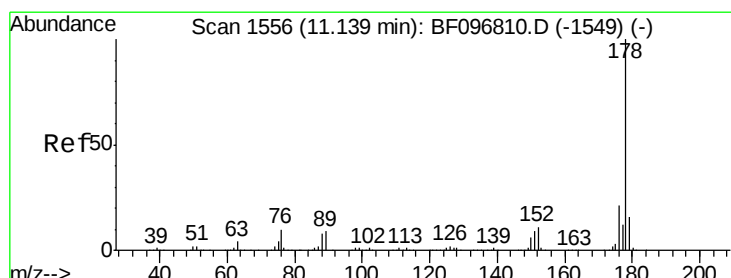
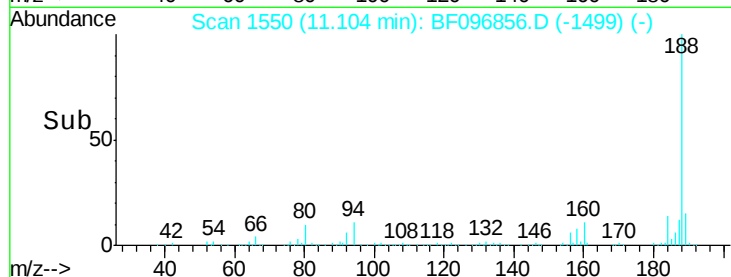
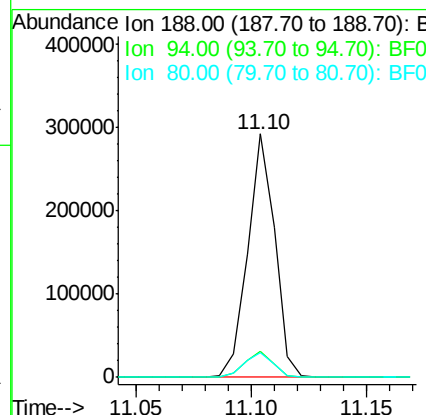
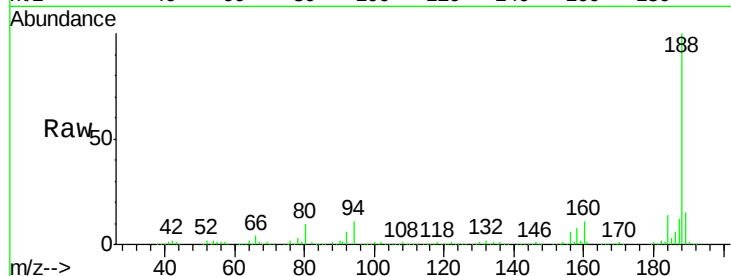




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

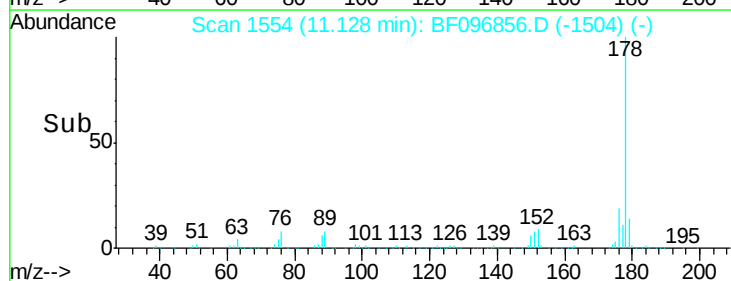
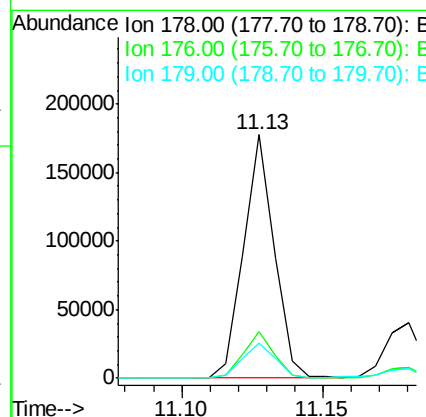
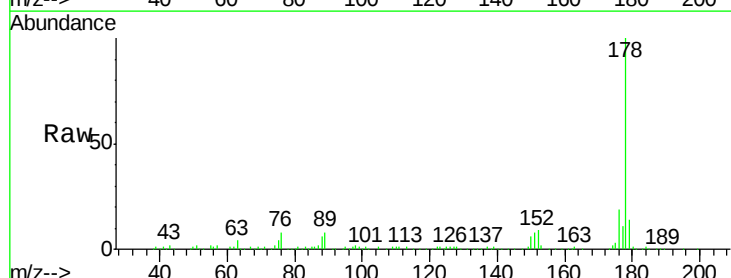
Instrument :
BNA_F
ClientSampleId :
PL-01-071717-A

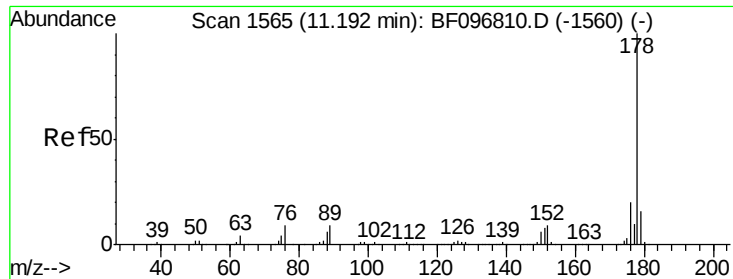
Tot Ion:188 Resp: 240203
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 10.4 10.2 15.2



#70
Phenanthrene
Concen: 10.31 ng
RT: 11.13 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Tgt Ion:178 Resp: 134704
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 14.4 12.6 19.0





#71

Anthracene

Concen: 2.57 ng

RT: 11.18 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-A

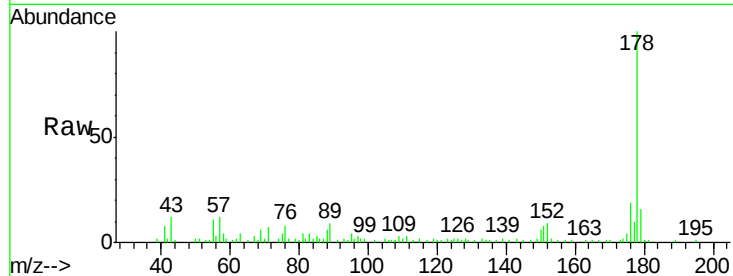
Tot Ion:178 Resp: 33972

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

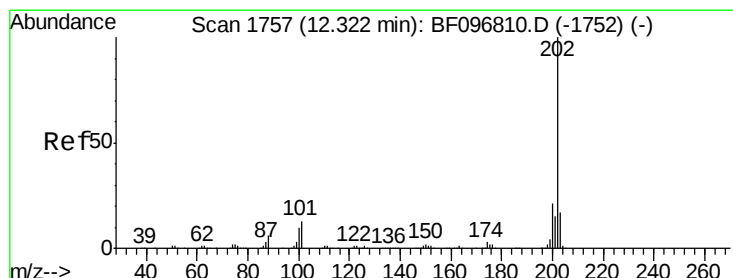
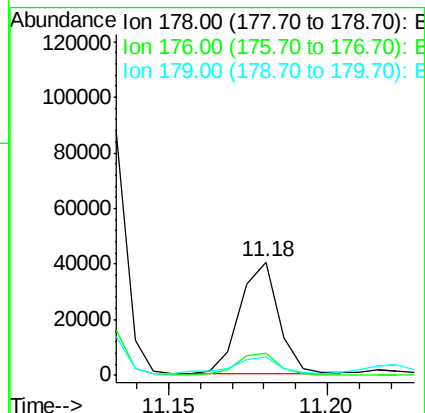
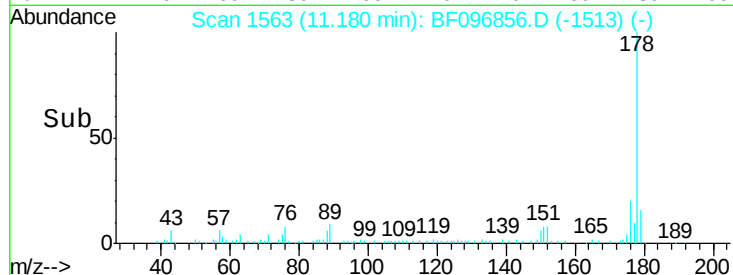
179 15.9 12.7 19.1



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: 14.54 ng

RT: 12.31 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

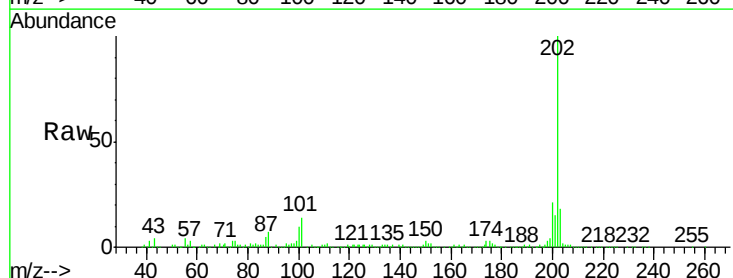
Tgt Ion:202 Resp: 181784

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.2

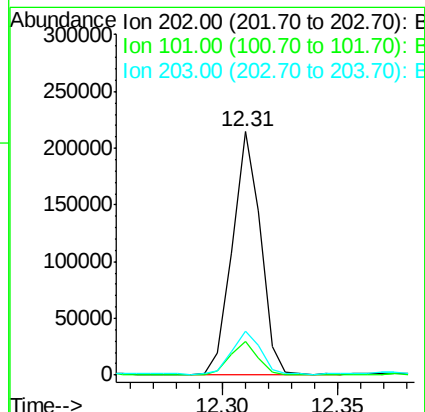
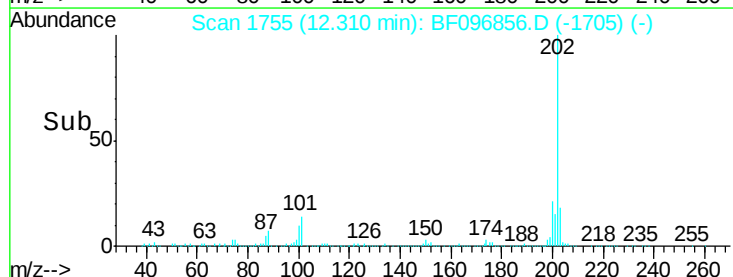
203 17.9 0.0 38.1

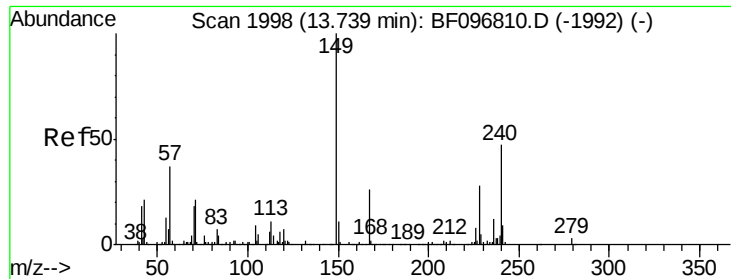


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-A

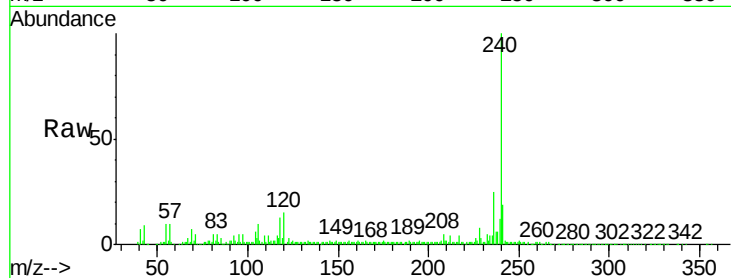
Tot Ion:240 Resp: 188733

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

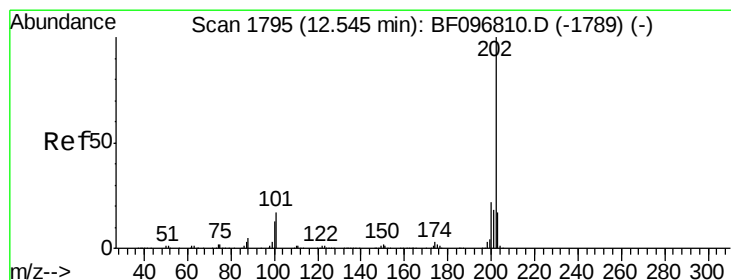
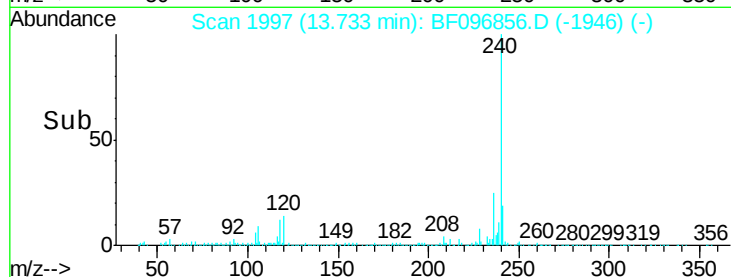
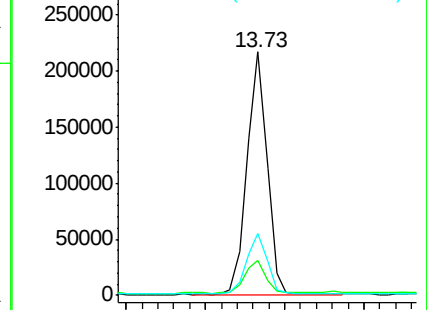
236 25.4 20.5 30.7



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: 9.91 ng

RT: 12.53 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

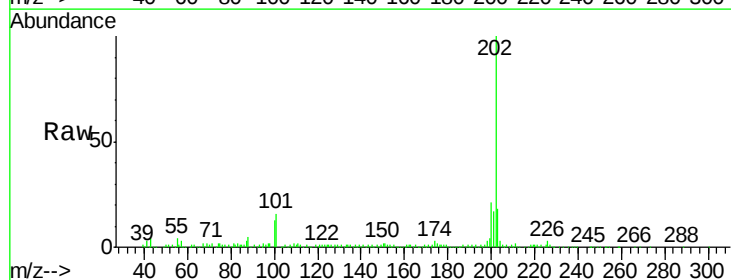
Tgt Ion:202 Resp: 169729

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

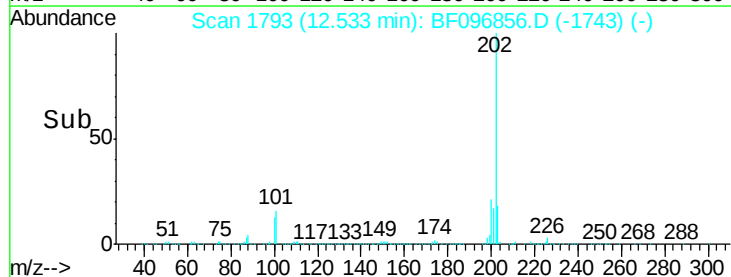
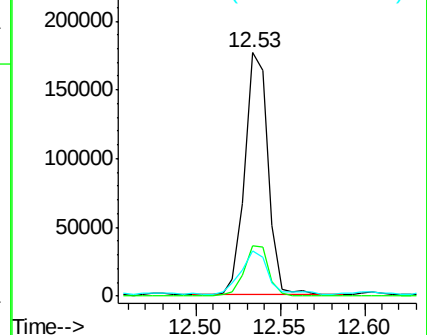
203 18.4 14.4 21.6

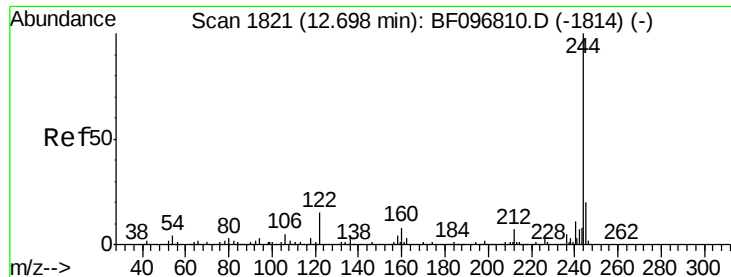


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

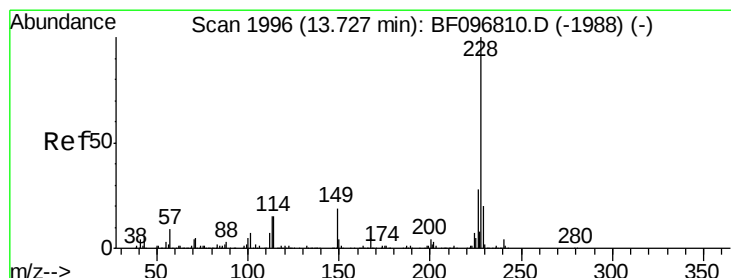
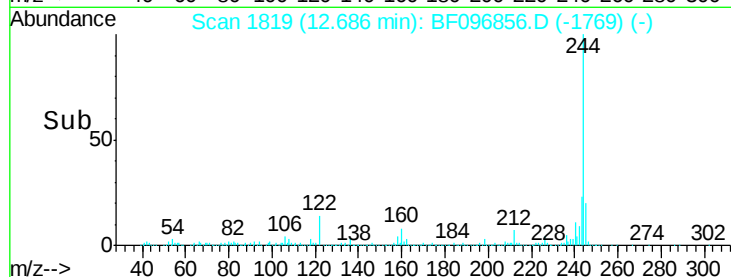
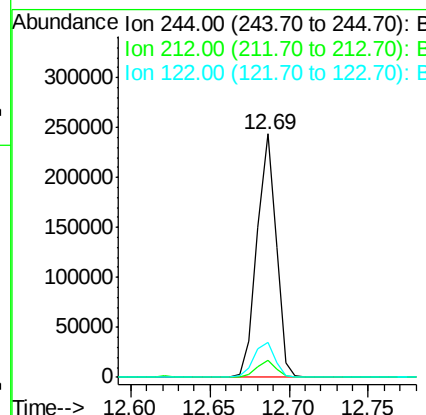
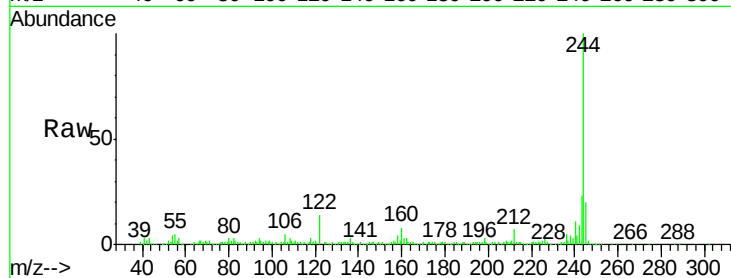




#78
 Terphenyl-d14
 Concen: 18.90 ng
 RT: 12.69 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF096856.D
 Acq: 18 Jul 2017 19:37

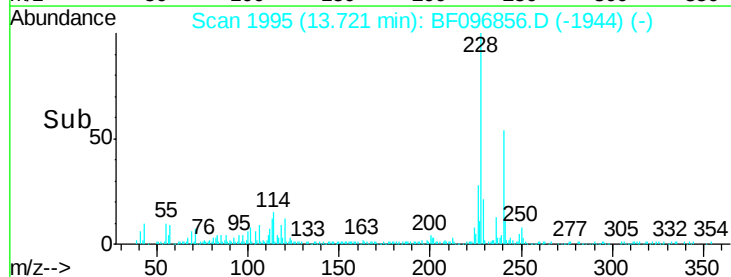
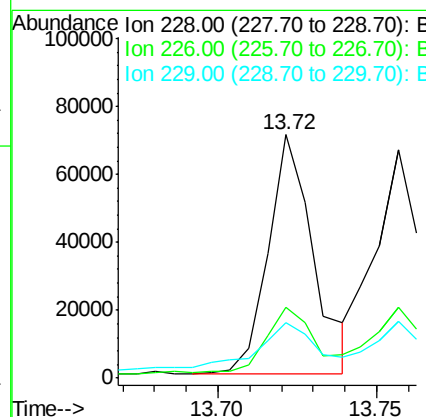
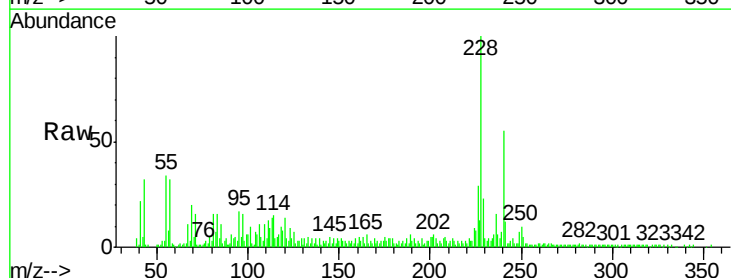
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-A

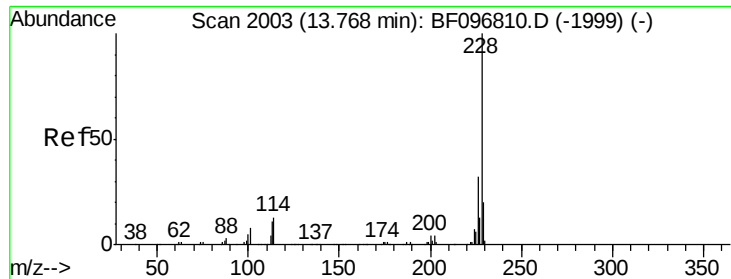
Tot Ion:244 Resp: 205674
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.2 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 5.97 ng
 RT: 13.72 min Scan# 1995
 Delta R.T. 0.00 min
 Lab File: BF096856.D
 Acq: 18 Jul 2017 19:37

Tgt Ion:228 Resp: 70185
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 22.8 16.3 24.5





#82

Chrysene

Concen: 6.06 ng

RT: 13.72 min Scan# 1995

Delta R.T. -0.04 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-A

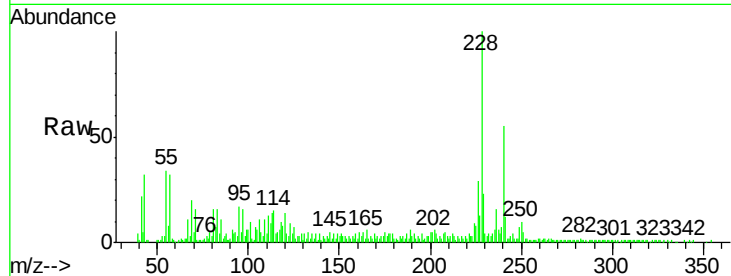
Tot Ion:228 Resp: 70185

Ion Ratio Lower Upper

228 100

226 28.9 24.9 37.3

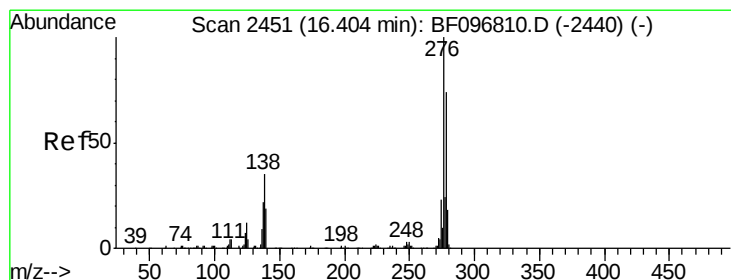
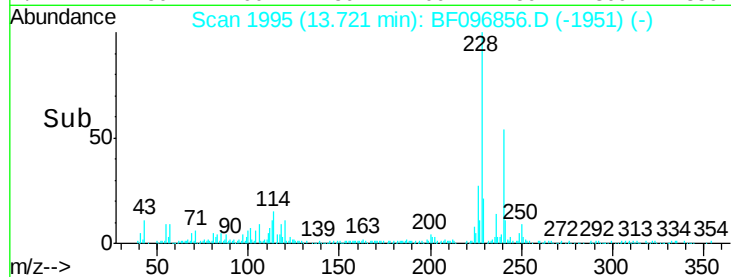
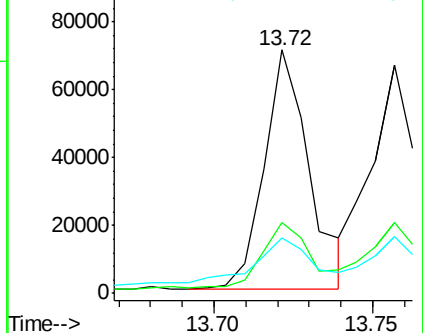
229 22.8 15.8 23.6



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: 5.24 ng

RT: 16.42 min Scan# 2453

Delta R.T. 0.02 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

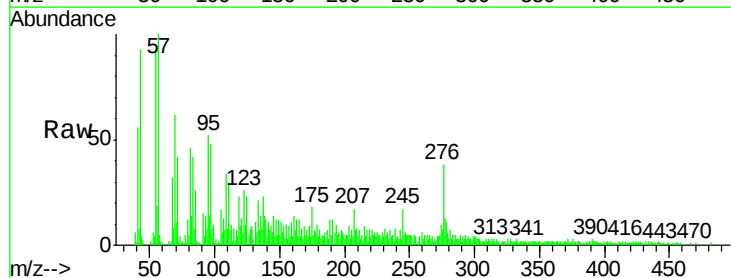
Tgt Ion:276 Resp: 21313

Ion Ratio Lower Upper

276 100

138 28.9 27.8 41.6

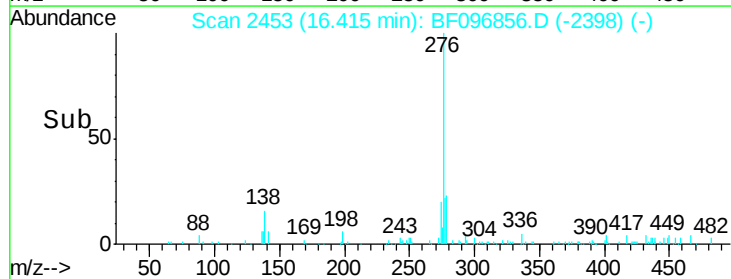
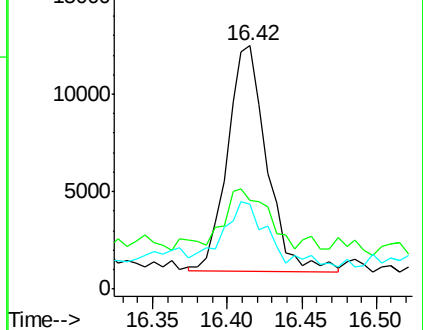
277 24.5 20.2 30.4

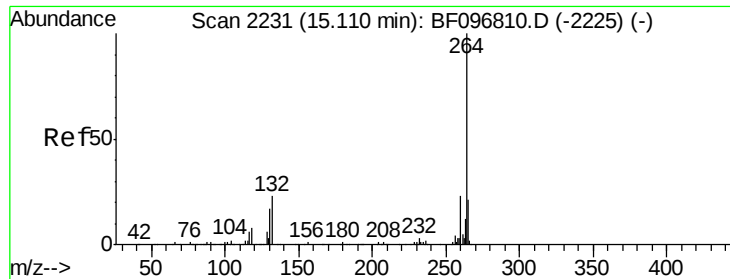


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

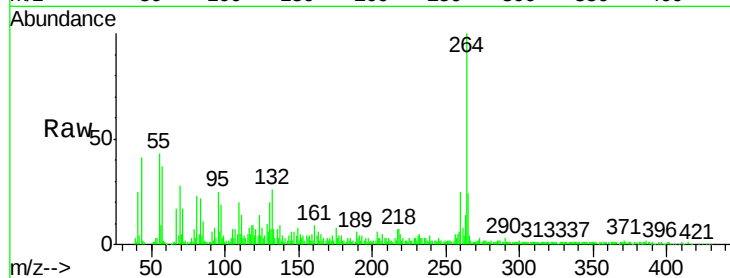




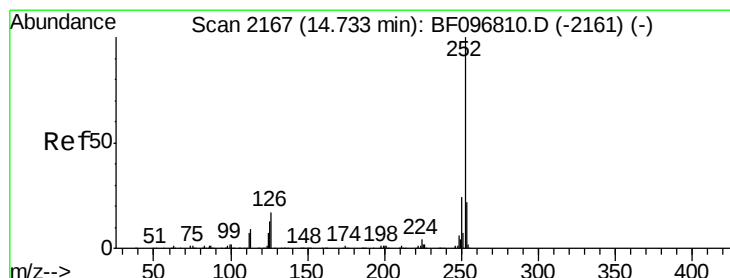
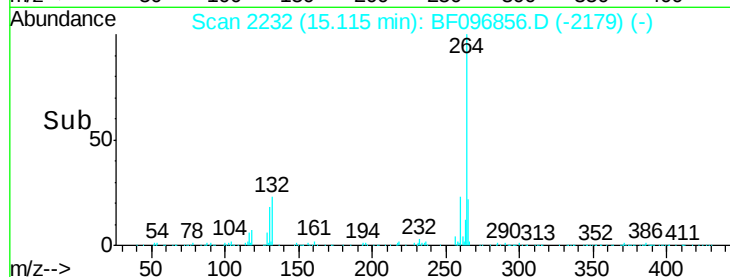
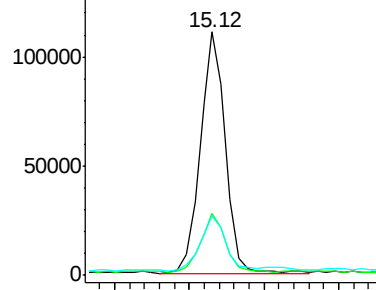
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	24.2	17.2	25.8

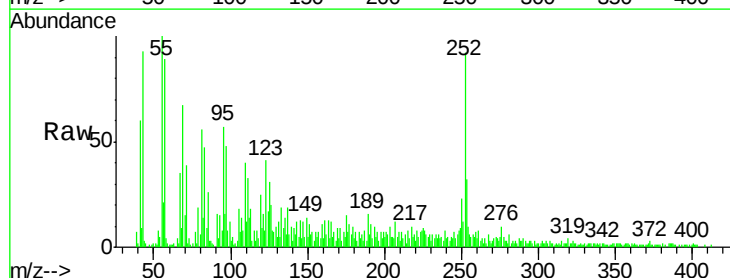


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

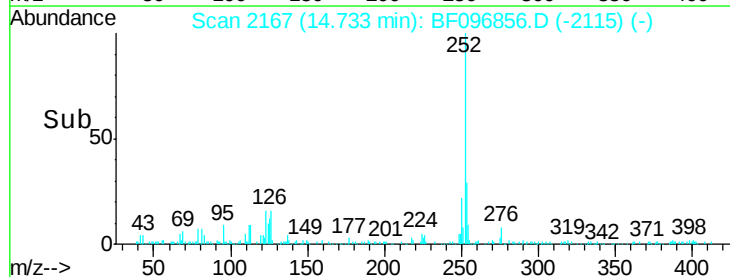
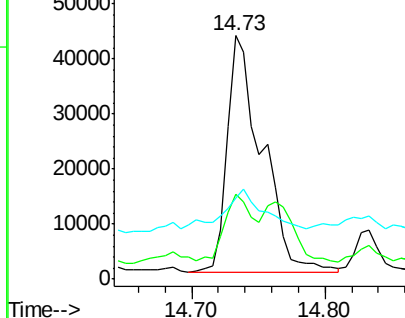


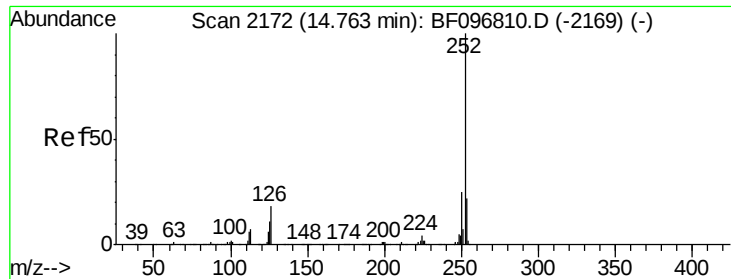
#87
Benzo(b)fluoranthene
Concen: 9.98 ng
RT: 14.73 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.9	18.1	27.1#
125	33.4	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

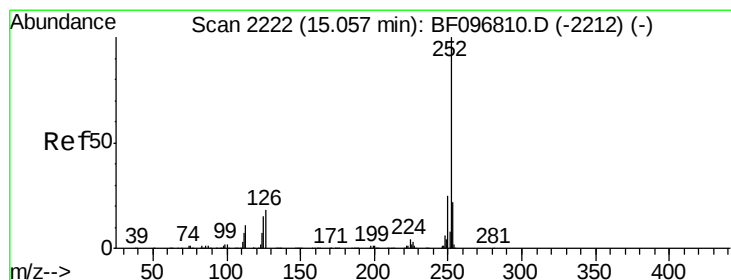
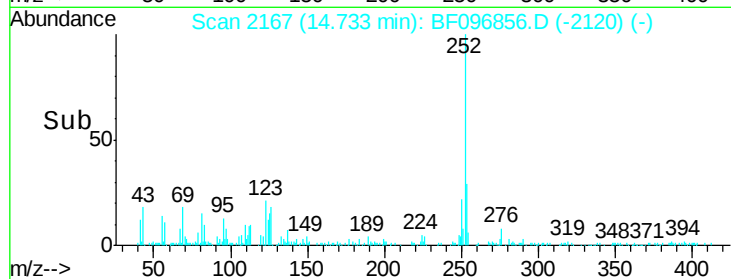
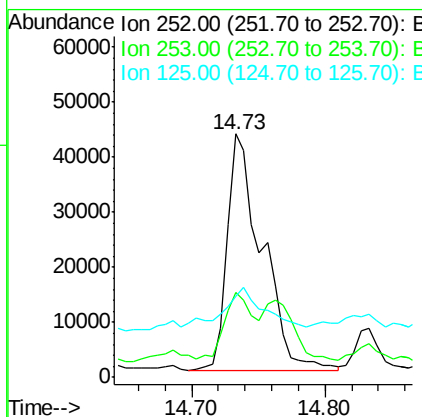
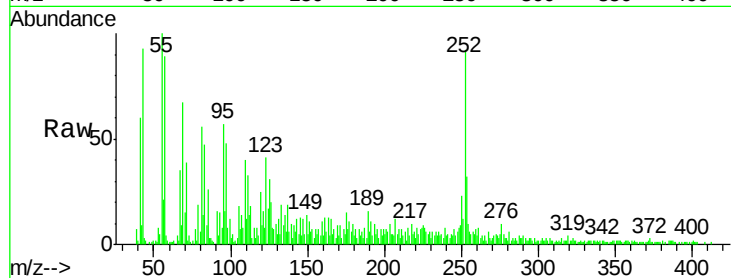




#88
Benzo(k)fluoranthene
Concen: 10.54 ng
RT: 14.73 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

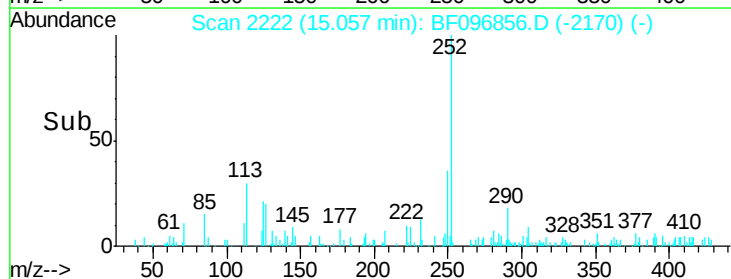
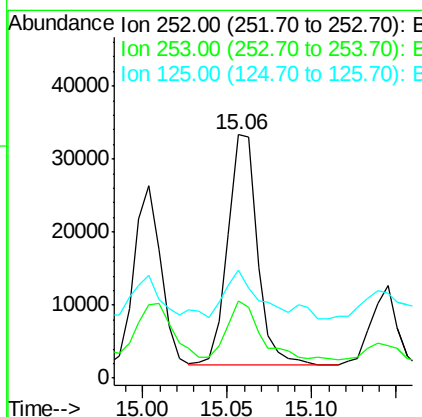
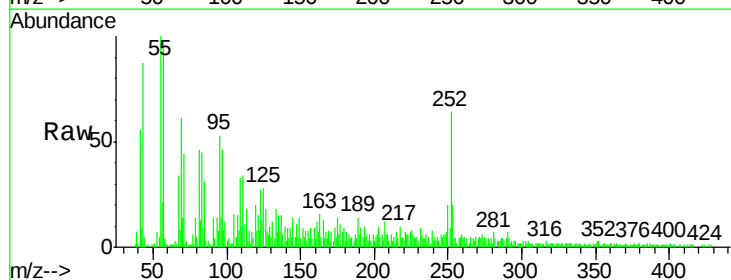
Instrument :
BNA_F
ClientSampleId :
PL-01-071717-A

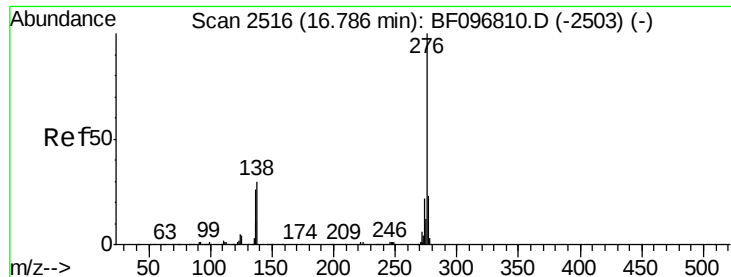
Tot Ion:252 Resp: 77766
Ion Ratio Lower Upper
252 100
253 34.9 18.4 27.6#
125 33.4 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 5.44 ng
RT: 15.06 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF096856.D
Acq: 18 Jul 2017 19:37

Tgt Ion:252 Resp: 38900
Ion Ratio Lower Upper
252 100
253 31.8 17.5 26.3#
125 44.1 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.40 ng

RT: 16.80 min Scan# 2519

Delta R.T. 0.02 min

Lab File: BF096856.D

Acq: 18 Jul 2017 19:37

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-A

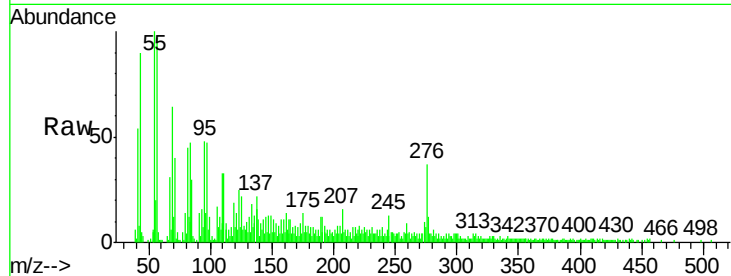
Tot Ion: 276 Resp: 23917

Ion Ratio Lower Upper

276 100

277 31.8 18.6 28.0#

138 45.1 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

