

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096857.D
 Acq On : 18 Jul 2017 20:05
 Operator : SJ/JU
 Sample : I4245-13 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jul 19 01:14:33 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

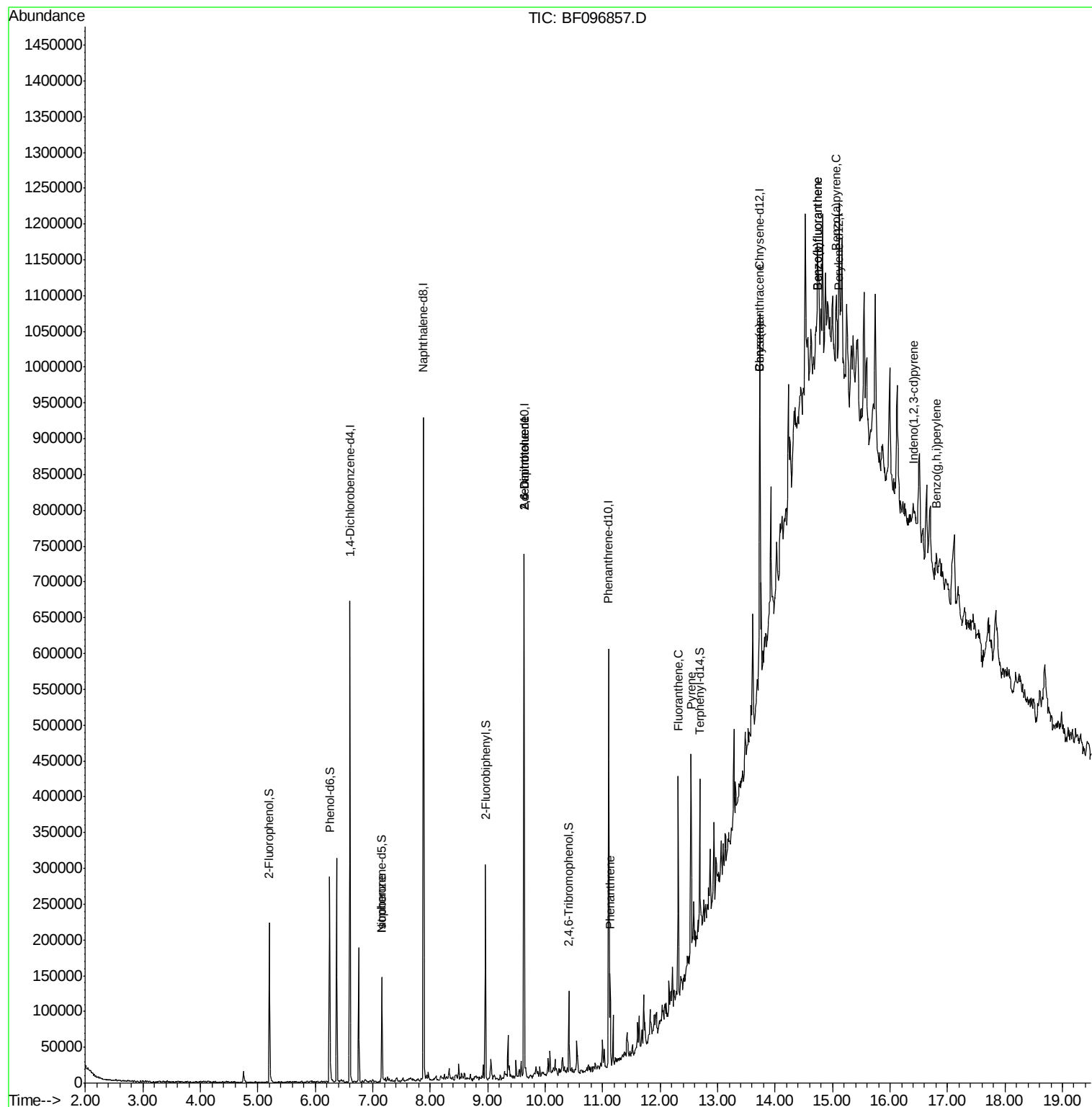
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	89413	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	400043	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	142654	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	194918	20.00	ng	0.00
75) Chrysene-d12	13.73	240	159761	20.00	ng	0.00
86) Perylene-d12	15.12	264	97544	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	64831	10.90	ng	0.00
7) Phenol-d6	6.25	99	88994	12.47	ng	0.00
23) Nitrobenzene-d5	7.16	82	38561	5.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	11330	9.30	ng	0.00
44) 2-Fluorobiphenyl	8.96	172	78031	8.64	ng	0.00
78) Terphenyl-d14	12.69	244	55478	6.02	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.16	82	38561	3.21	ng	# 67
50) 2,6-Dinitrotoluene	9.63	165	18540	7.97	ng	# 33
56) 2,4-Dinitrotoluene	9.63	165	18540	6.20	ng	# 32
70) Phenanthrene	11.13	178	43059	4.06	ng	98
74) Fluoranthene	12.31	202	120857	11.91	ng	99
77) Pyrene	12.54	202	115102	7.94	ng	99
80) Benzo(a)anthracene	13.72	228	58913	5.92	ng	96
82) Chrysene	13.72	228	58913	6.01	ng	95
85) Indeno(1,2,3-cd)pyrene	16.42	276	19840	5.43	ng	94
87) Benzo(b)fluoranthene	14.74	252	69353	11.79	ng	# 64
88) Benzo(k)fluoranthene	14.74	252	69353	12.45	ng	# 69
89) Benzo(a)pyrene	15.06	252	36975	6.85	ng	# 72
91) Benzo(a,h,i)perylene	16.80	276	20914	3.93	ng	# 87

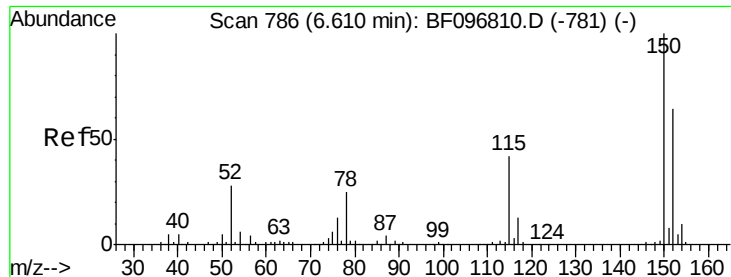
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF096857.D

Acq: 18 Jul 2017 20:05

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-E

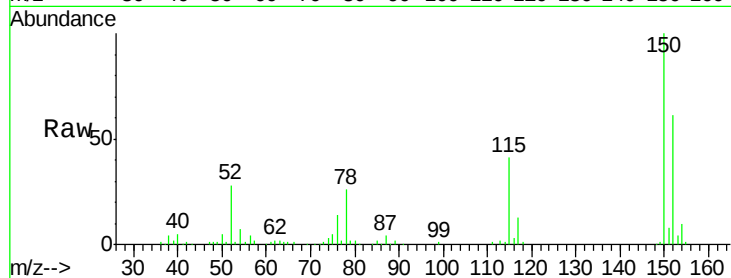
Tot Ion:152 Resp: 89413

Ion Ratio Lower Upper

152 100

150 165.2 126.2 189.2

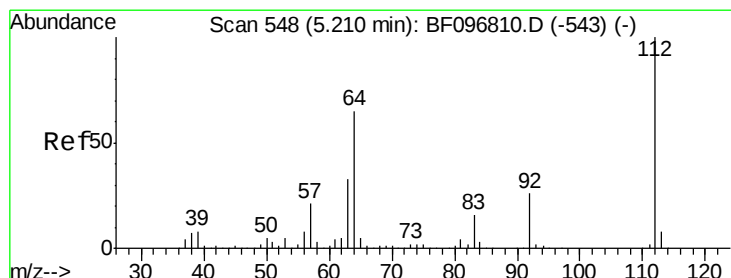
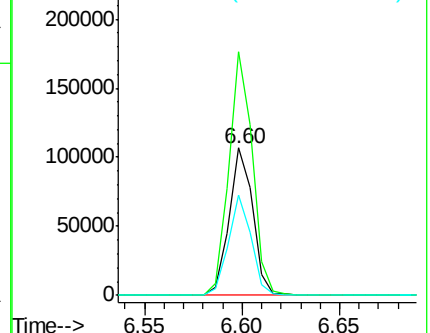
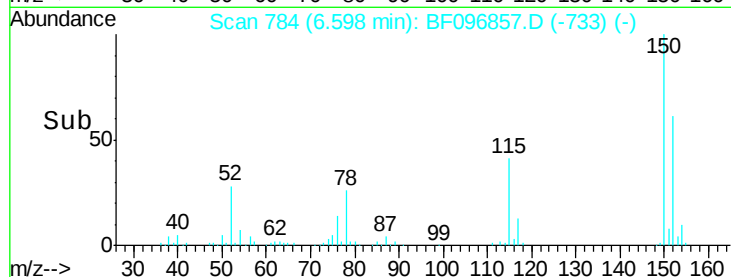
115 67.6 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 10.90 ng

RT: 5.20 min Scan# 546

Delta R.T. -0.00 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

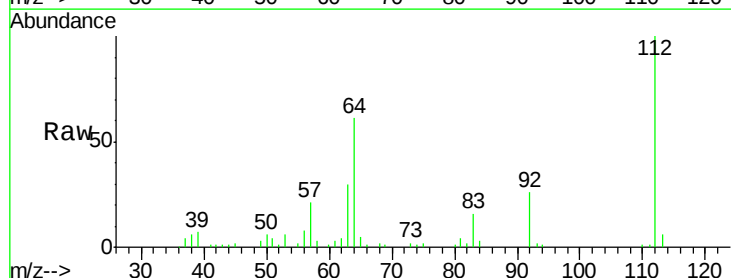
Tgt Ion:112 Resp: 64831

Ion Ratio Lower Upper

112 100

64 61.4 46.0 69.0

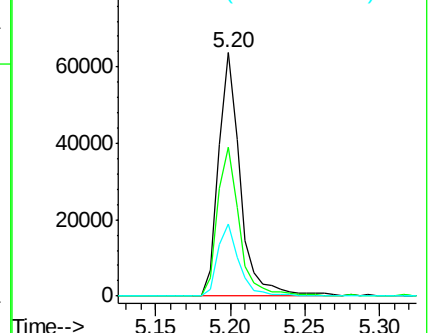
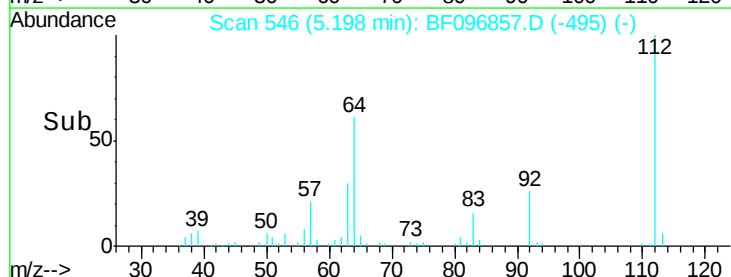
63 29.5 23.4 35.0

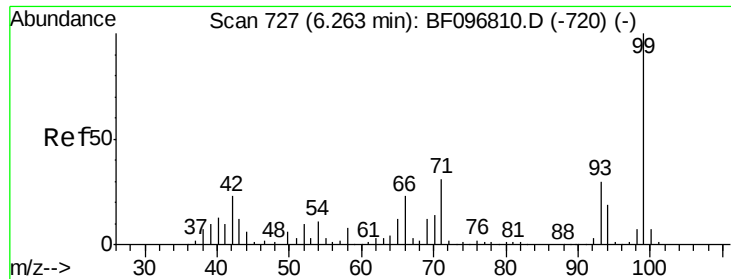


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 12.47 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Instrument :

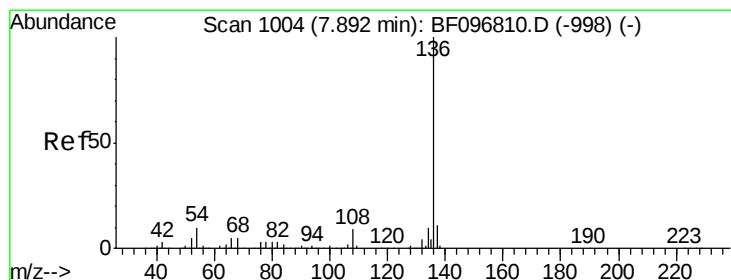
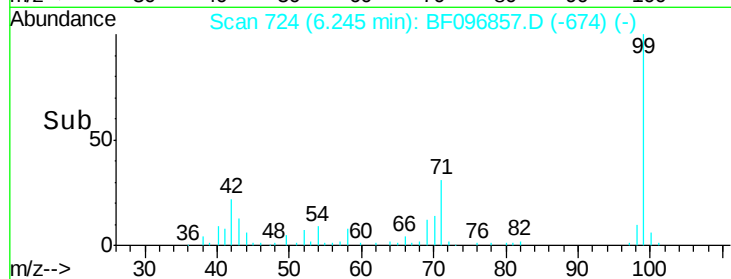
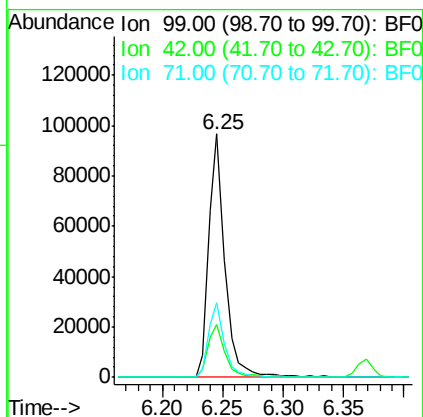
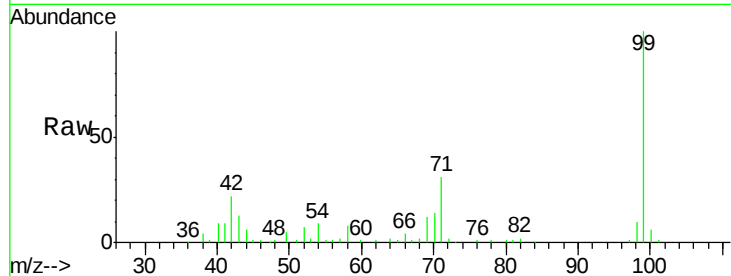
BNA_F

ClientSampleId :

PL-01-071717-E

Tot Ion: 99 Resp: 88994

Ion	Ratio	Lower	Upper
99	100		
42	21.9	13.5	20.3#
71	30.9	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 1002

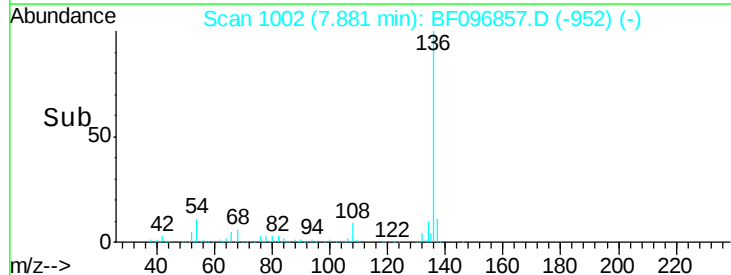
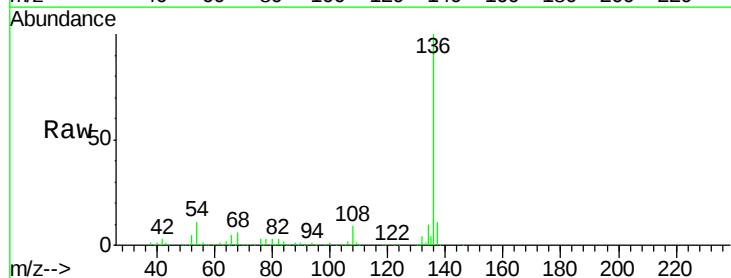
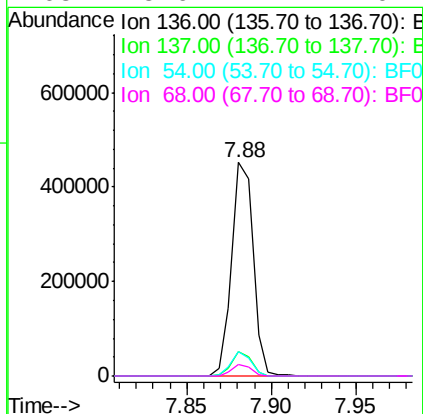
Delta R.T. -0.01 min

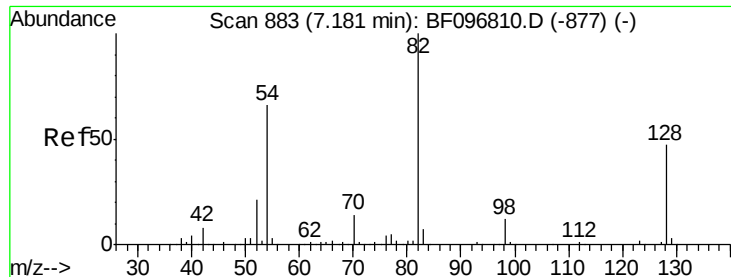
Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Tgt Ion: 136 Resp: 400043

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.5	4.9	7.3#
68	5.6	4.1	6.1

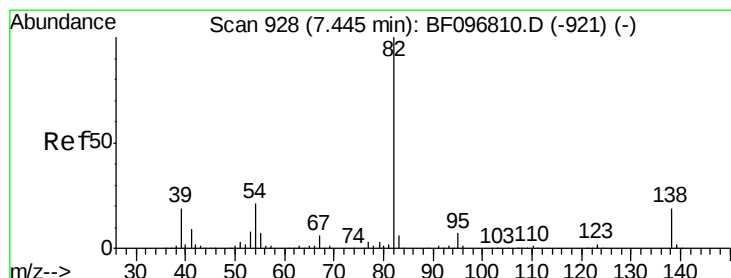
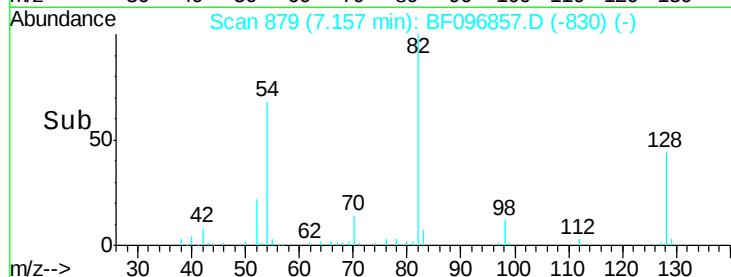
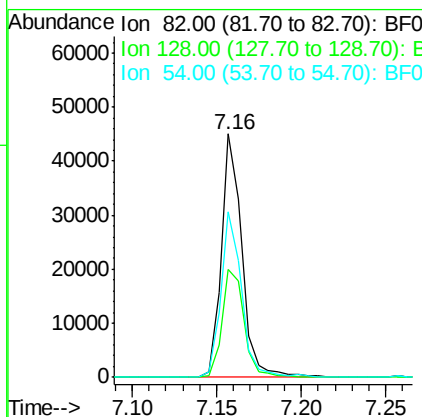
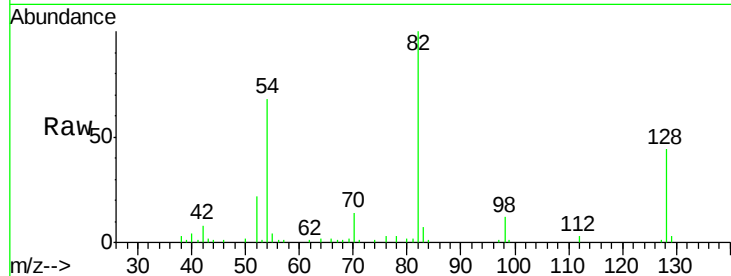




#23
 Nitrobenzene-d5
 Concen: 5.97 ng
 RT: 7.16 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF096857.D
 Acq: 18 Jul 2017 20:05

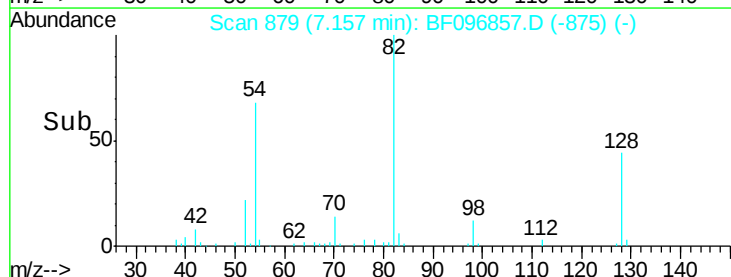
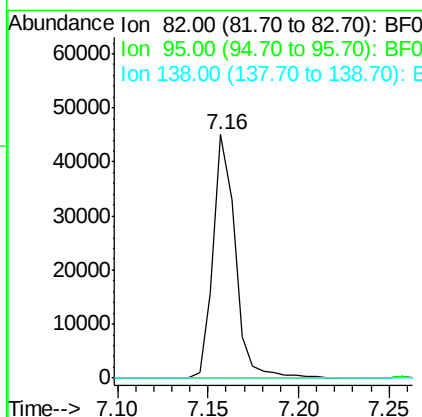
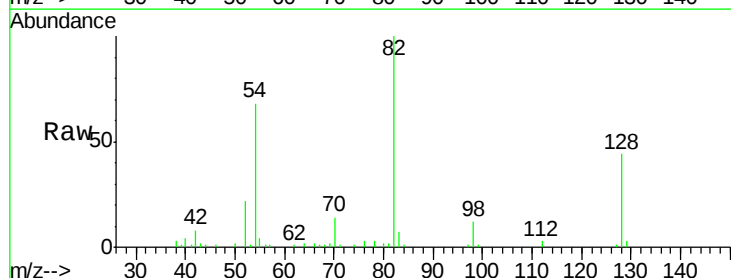
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-E

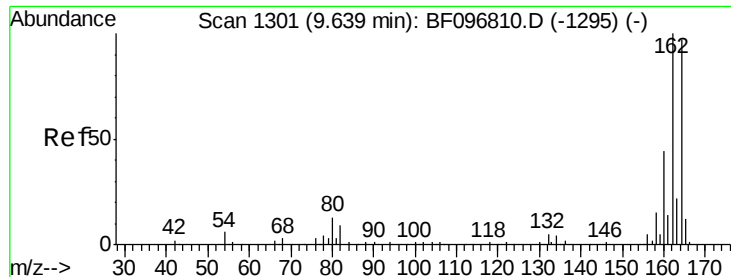
Tot Ion: 82 Resp: 38561
 Ion Ratio Lower Upper
 82 100
 128 44.5 34.0 51.0
 54 67.9 42.2 63.2#



#25
 Isophorone
 Concen: 3.21 ng
 RT: 7.16 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF096857.D
 Acq: 18 Jul 2017 20:05

Tgt Ion: 82 Resp: 38561
 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# 1300

Delta R.T. -0.00 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-E

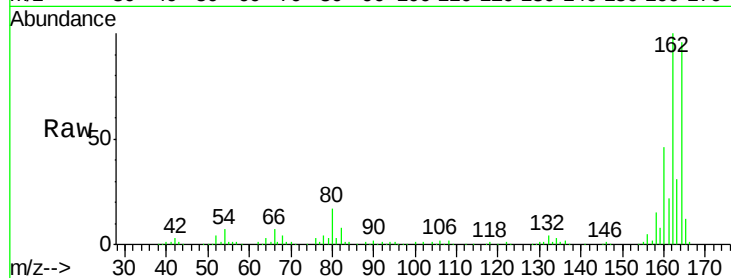
Tot Ion:164 Resp: 142654

Ion Ratio Lower Upper

164 100

162 104.7 82.6 123.8

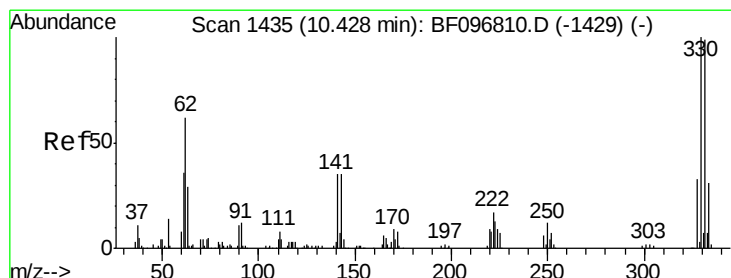
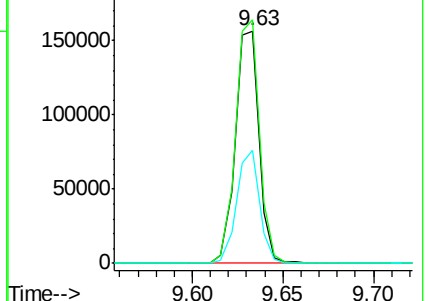
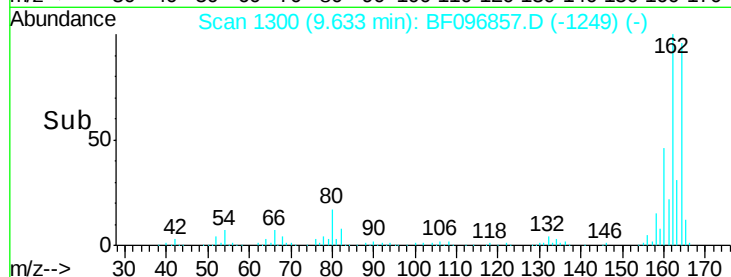
160 48.5 36.2 54.2



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: 9.30 ng

RT: 10.42 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

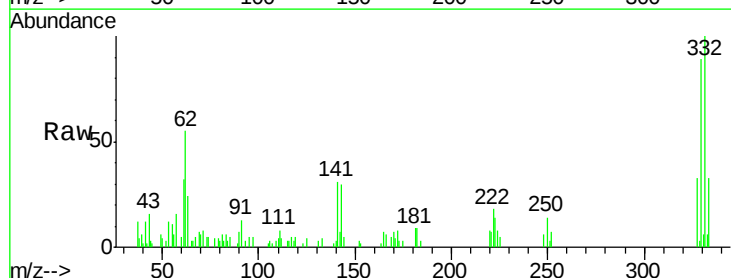
Tgt Ion:330 Resp: 11330

Ion Ratio Lower Upper

330 100

332 99.8 76.6 115.0

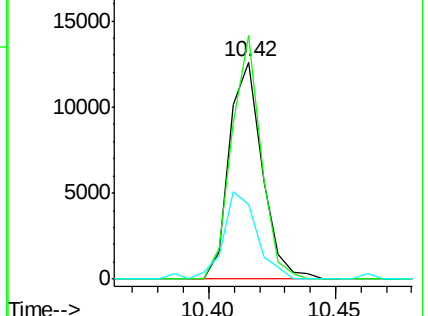
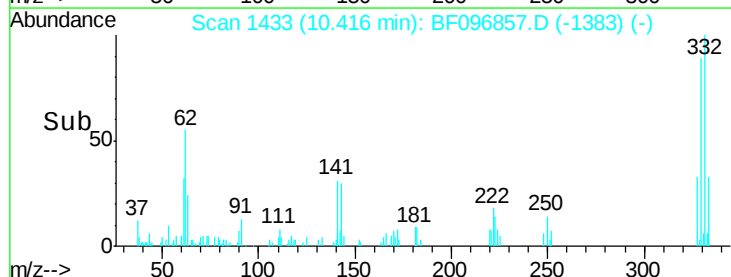
141 42.2 31.4 47.2

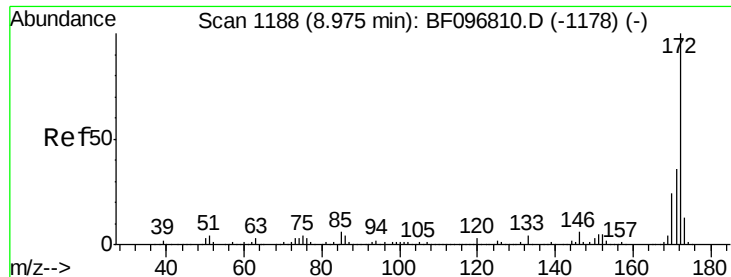


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

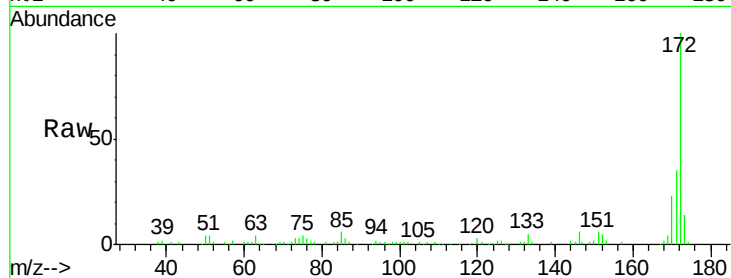




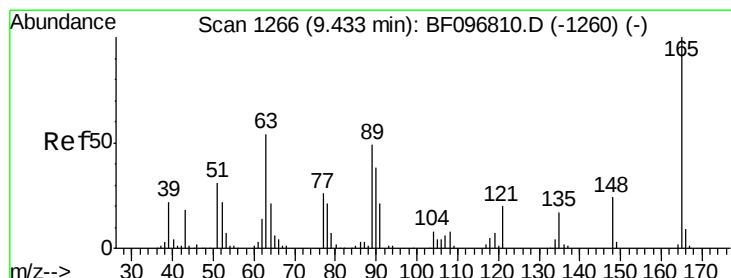
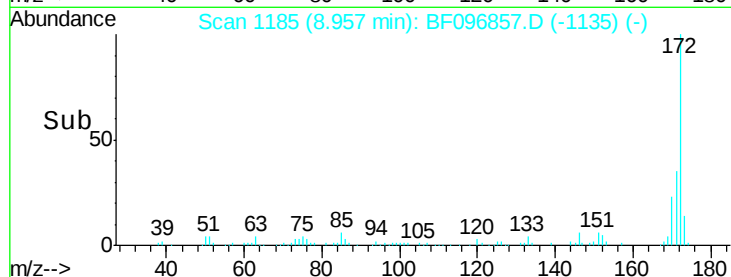
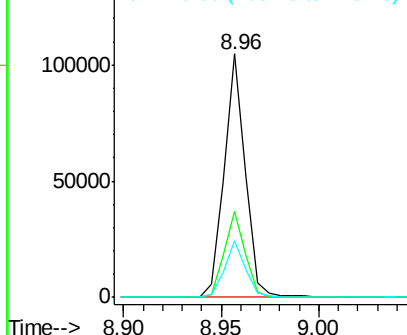
#44
 2-Fluorobiphenyl
 Concen: 8.64 ng
 RT: 8.96 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF096857.D
 Acq: 18 Jul 2017 20:05

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

Tot Ion:172 Resp: 78031
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 23.3 19.8 29.8

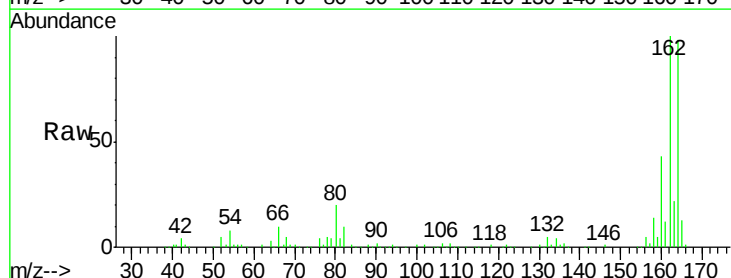


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

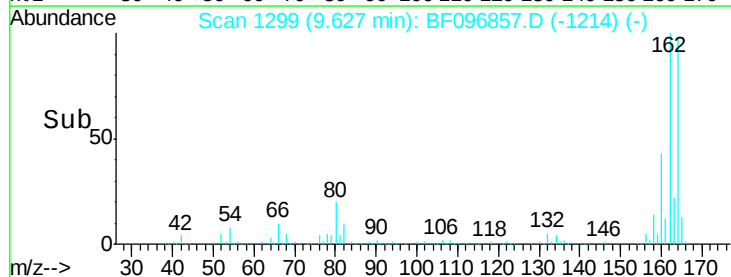
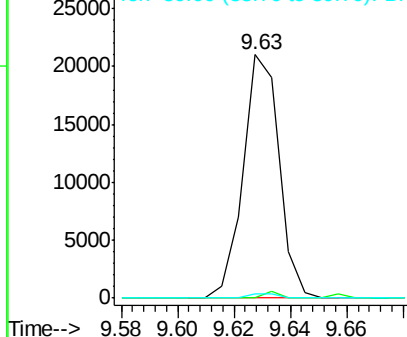


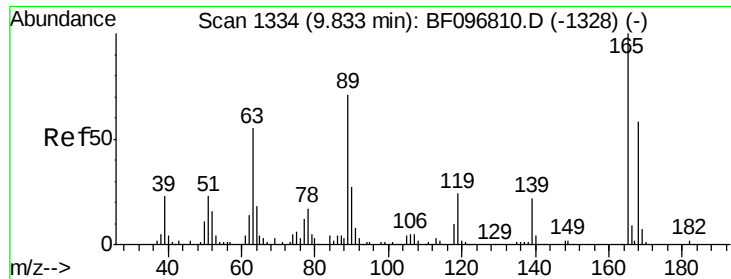
#50
 2,6-Dinitrotoluene
 Concen: 7.97 ng
 RT: 9.63 min Scan# 1299
 Delta R.T. 0.20 min
 Lab File: BF096857.D
 Acq: 18 Jul 2017 20:05

Tgt Ion:165 Resp: 18540
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 1.7 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

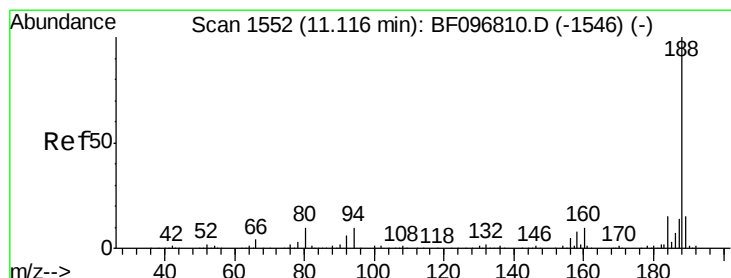
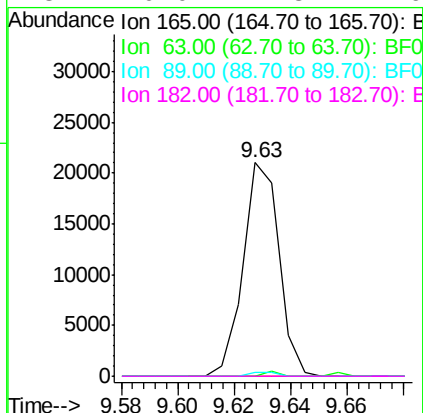
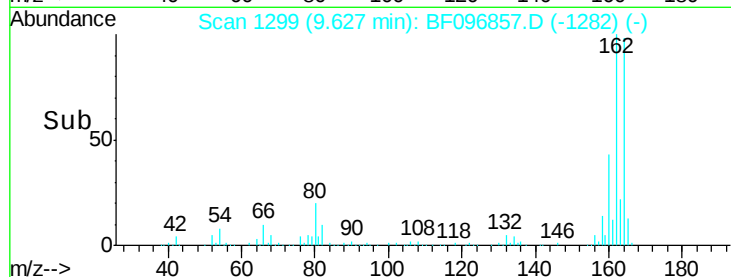
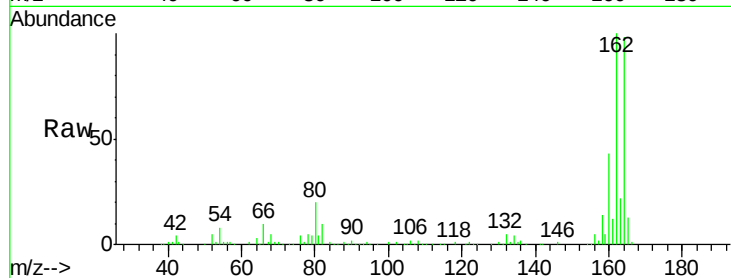




#56
 2,4-Dinitrotoluene
 Concen: 6.20 ng
 RT: 9.63 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF096857.D
 Acq: 18 Jul 2017 20:05

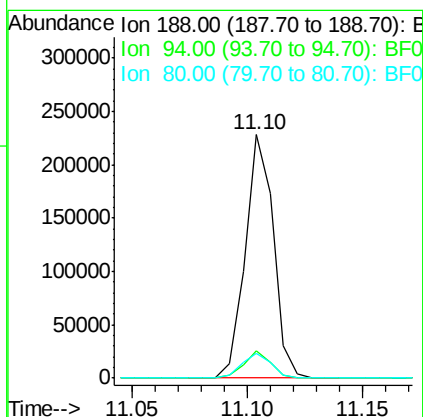
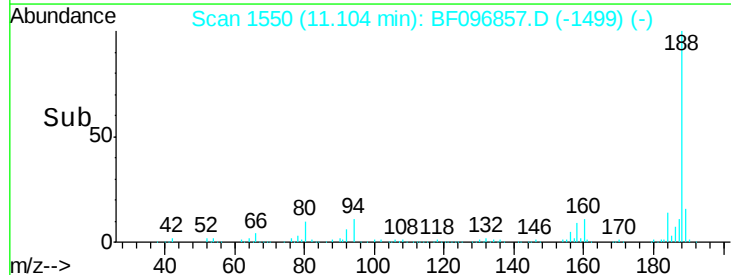
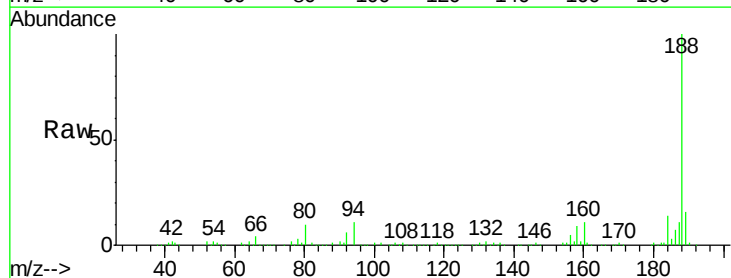
Instrument :
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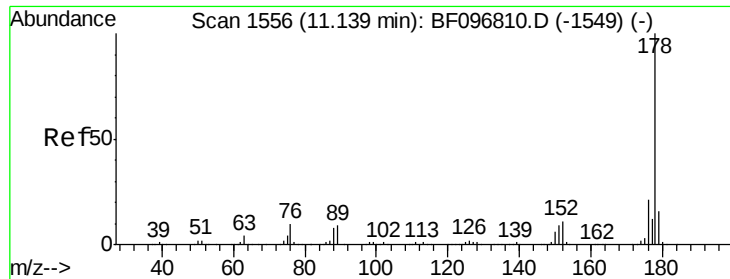
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 1550
 Delta R.T. -0.00 min
 Lab File: BF096857.D
 Acq: 18 Jul 2017 20:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.4	9.4	14.2
80	10.2	10.2	15.2

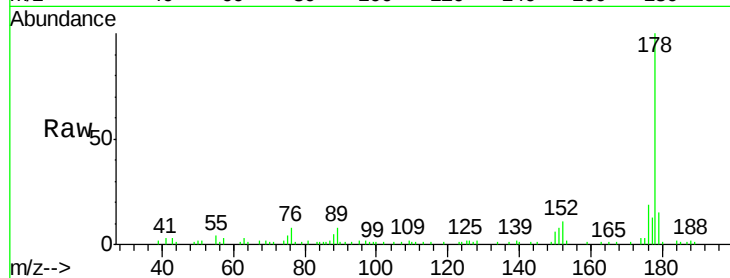




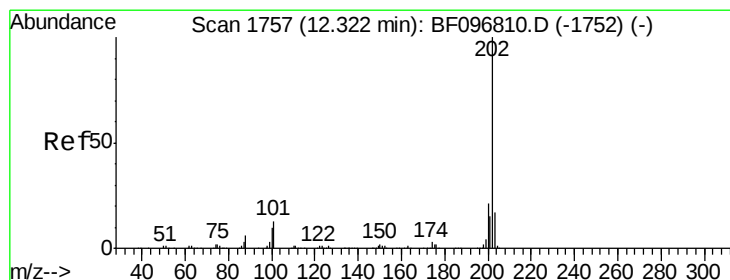
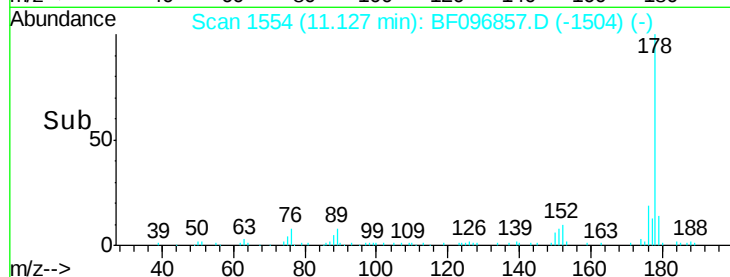
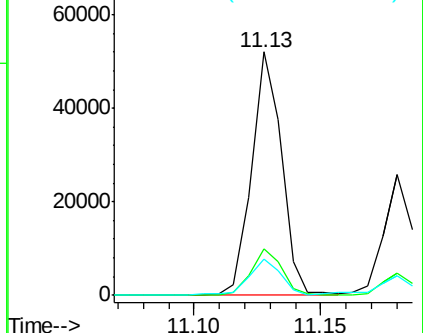
#70
Phenanthrene
Concen: 4.06 ng
RT: 11.13 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

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

Tot Ion:178 Resp: 43059
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 15.1 12.6 19.0

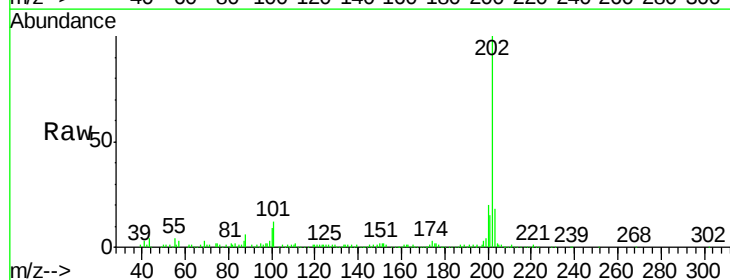


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

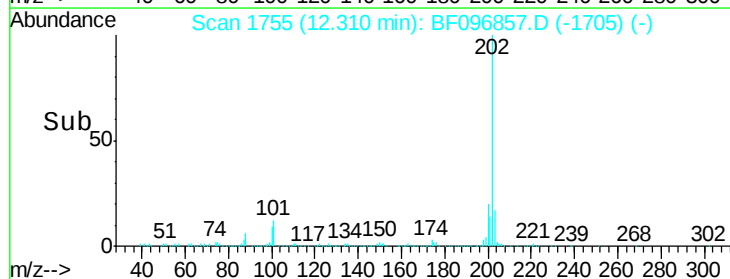
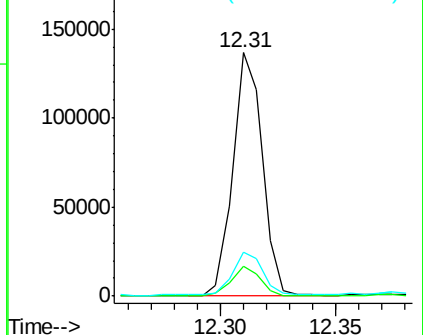


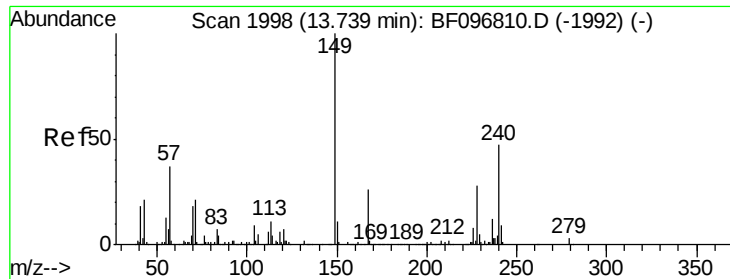
#74
Fluoranthene
Concen: 11.91 ng
RT: 12.31 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

Tgt Ion:202 Resp: 120857
Ion Ratio Lower Upper
202 100
101 12.2 0.0 33.2
203 17.8 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

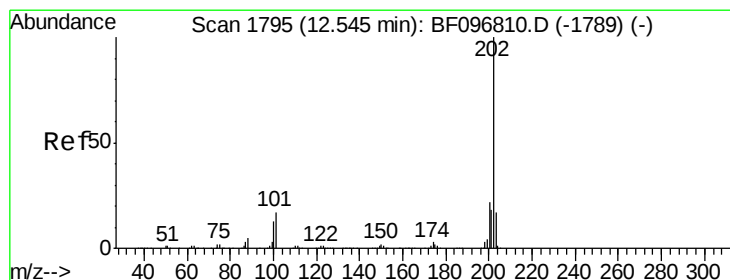
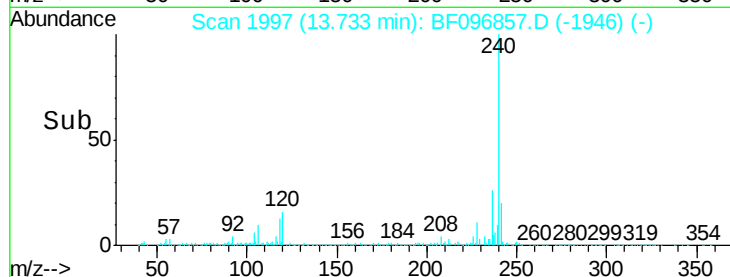
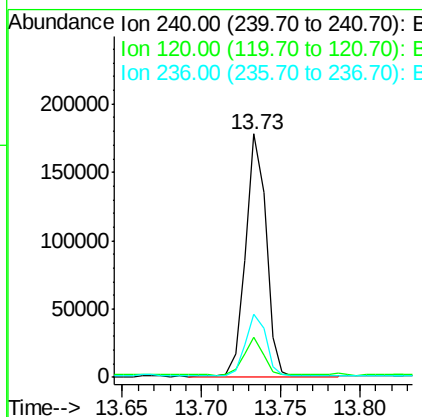
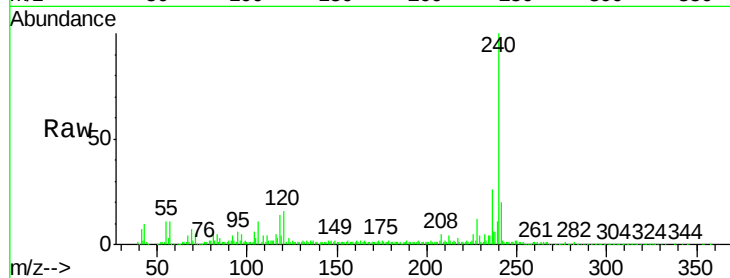




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

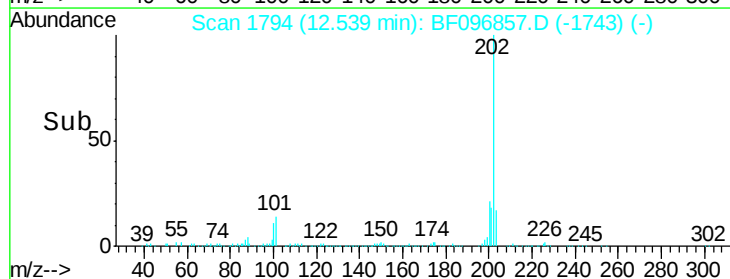
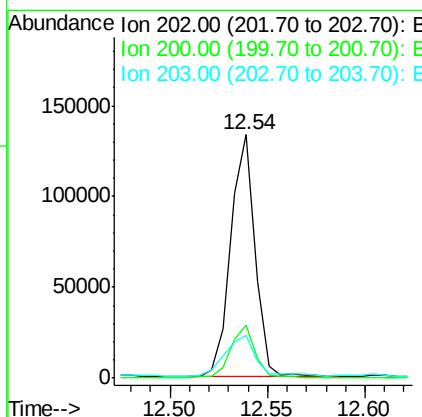
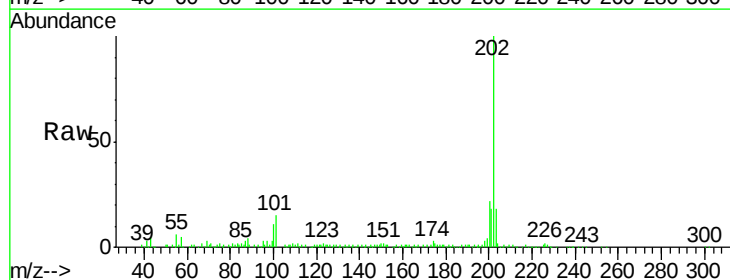
Instrument :
BNA_F
ClientSampleId :
PL-01-071717-E

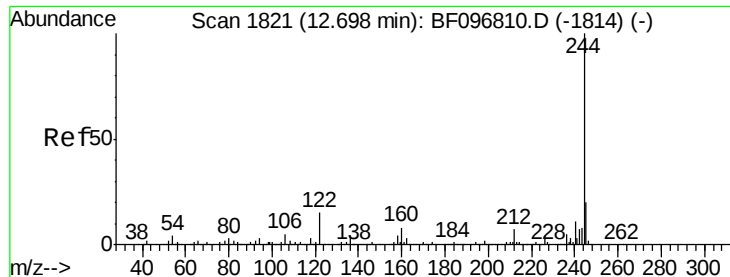
Tot Ion:240 Resp: 159761
Ion Ratio Lower Upper
240 100
120 16.4 5.8 8.8#
236 26.1 20.5 30.7



#77
Pyrene
Concen: 7.94 ng
RT: 12.54 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

Tgt Ion:202 Resp: 115102
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 17.7 14.4 21.6





#78

Terphenyl-d14

Concen: 6.02 ng

RT: 12.69 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-E

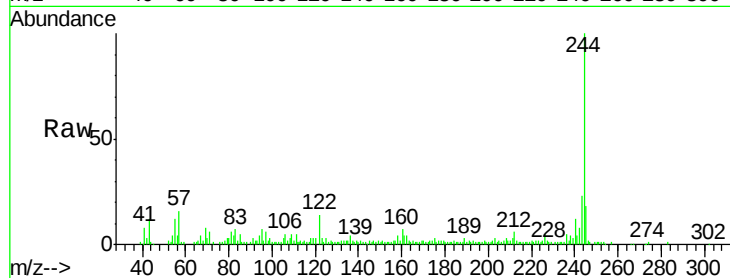
Tot Ion:244 Resp: 55478

Ion Ratio Lower Upper

244 100

212 6.1 6.0 9.0

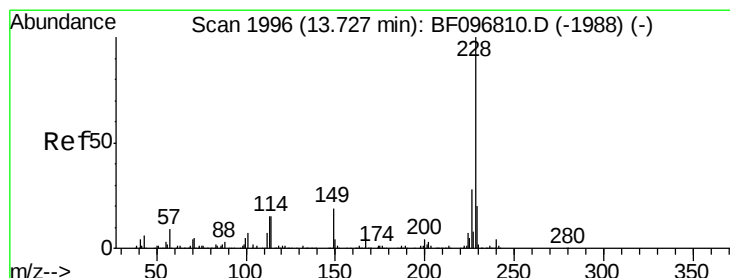
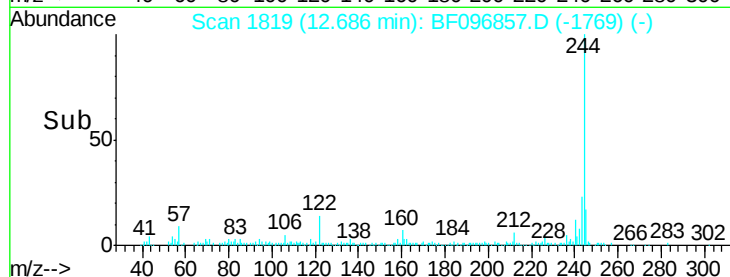
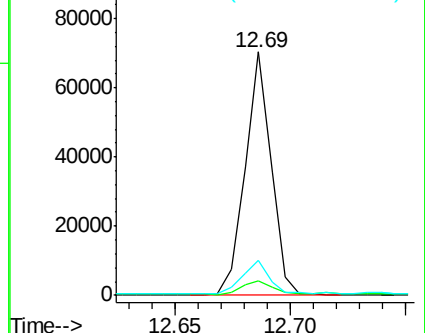
122 14.3 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.92 ng

RT: 13.72 min Scan# 1995

Delta R.T. -0.00 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

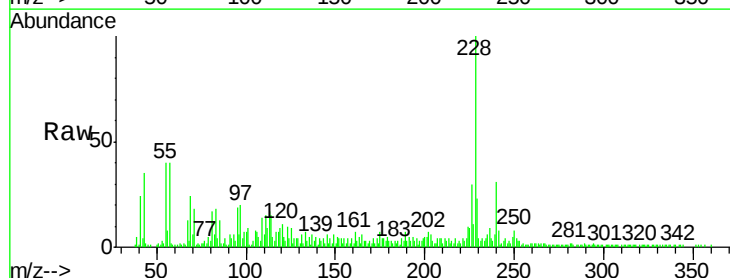
Tgt Ion:228 Resp: 58913

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

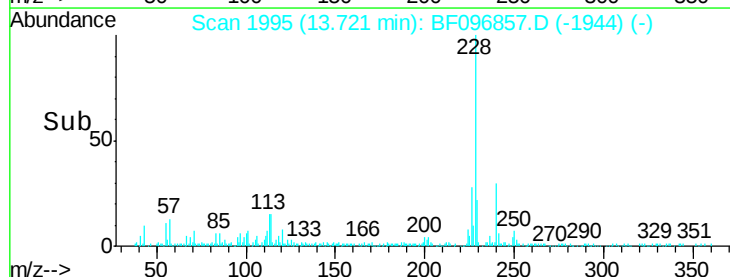
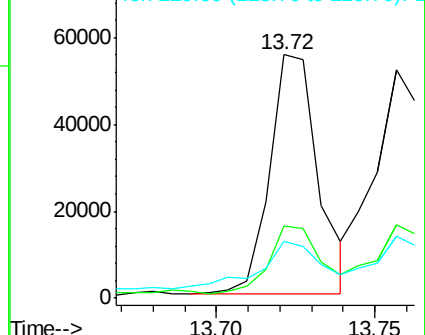
229 23.4 16.3 24.5

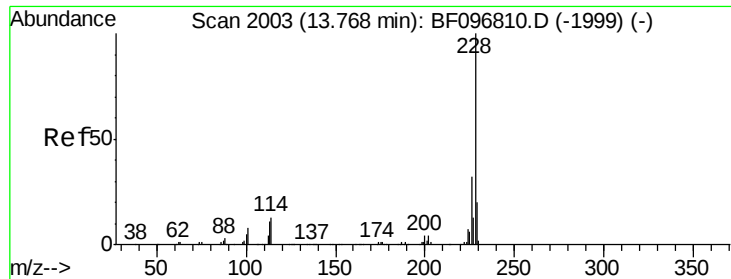


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.01 ng

RT: 13.72 min Scan# 1995

Delta R.T. -0.04 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-E

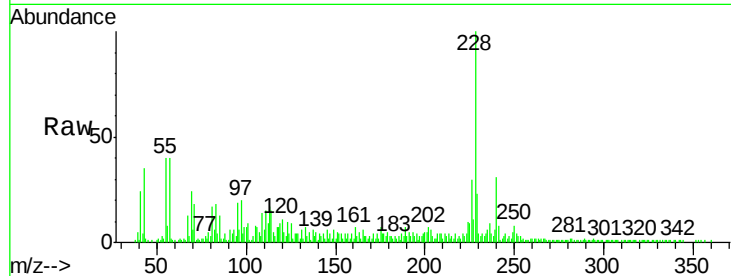
Tot Ion:228 Resp: 58913

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

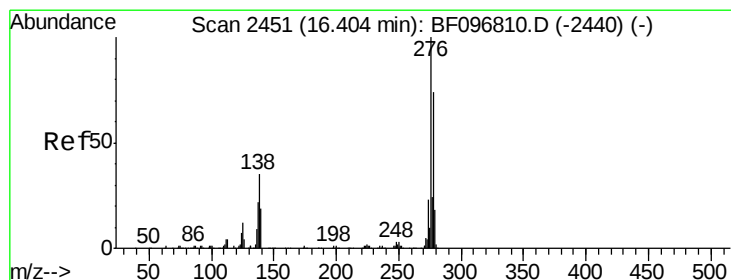
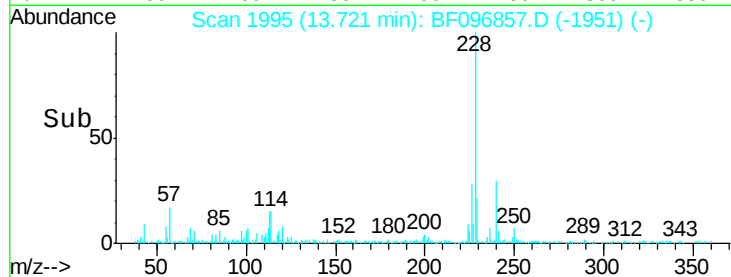
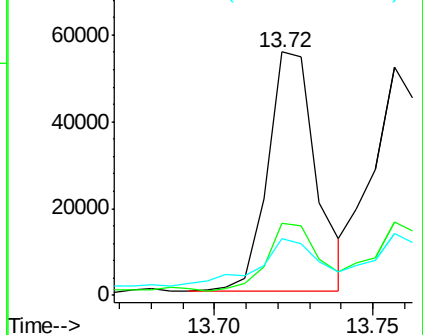
229 23.4 15.8 23.6



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: 5.43 ng

RT: 16.42 min Scan# 2453

Delta R.T. 0.02 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

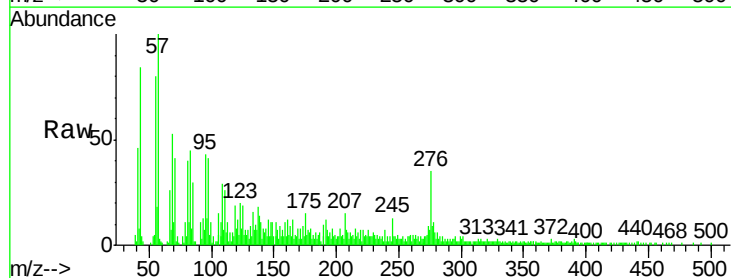
Tgt Ion:276 Resp: 19840

Ion Ratio Lower Upper

276 100

138 39.1 27.8 41.6

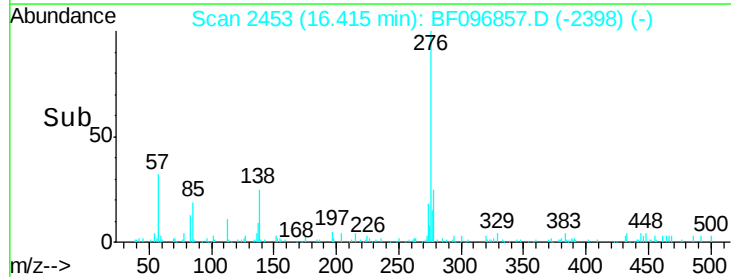
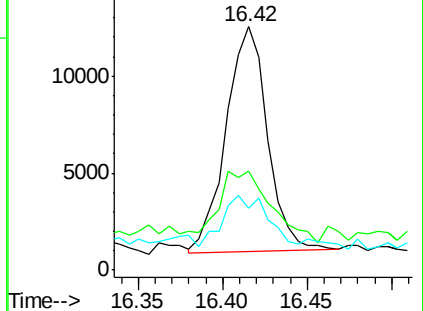
277 23.7 20.2 30.4

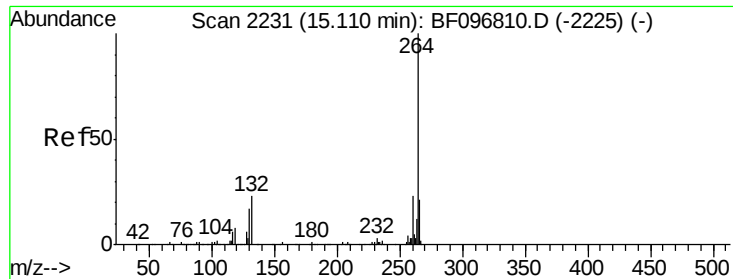


Abundance Ion 276.00 (275.70 to 276.70): E

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: BF096857.D

Acq: 18 Jul 2017 20:05

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-E

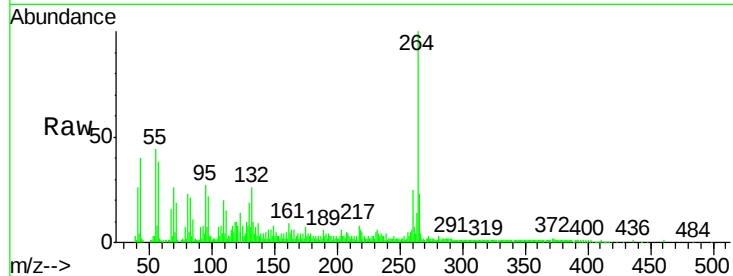
Tot Ion:264 Resp: 97544

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

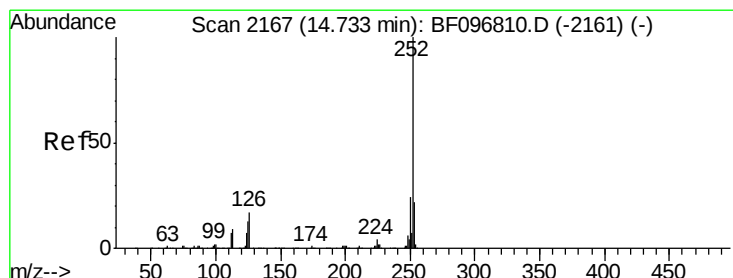
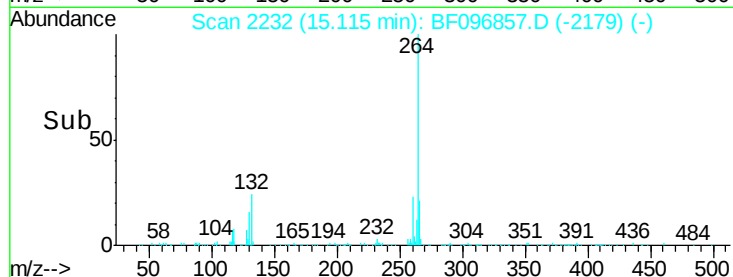
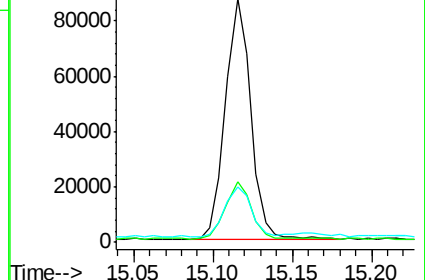
265 22.7 17.2 25.8



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: 11.79 ng

RT: 14.74 min Scan# 2168

Delta R.T. 0.01 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

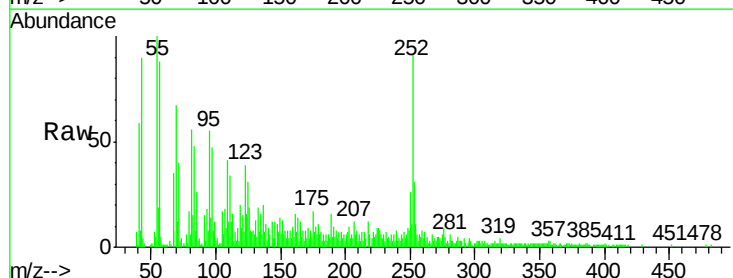
Tgt Ion:252 Resp: 69353

Ion Ratio Lower Upper

252 100

253 34.3 18.1 27.1#

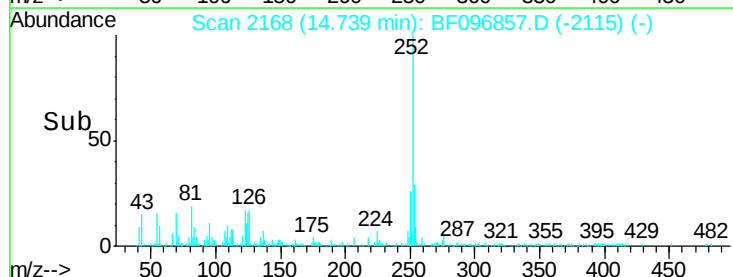
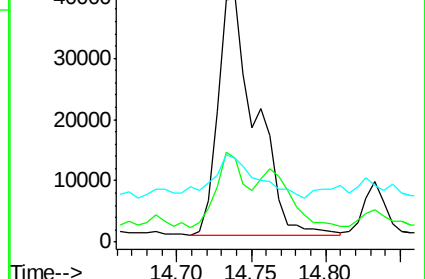
125 34.5 9.8 14.8#

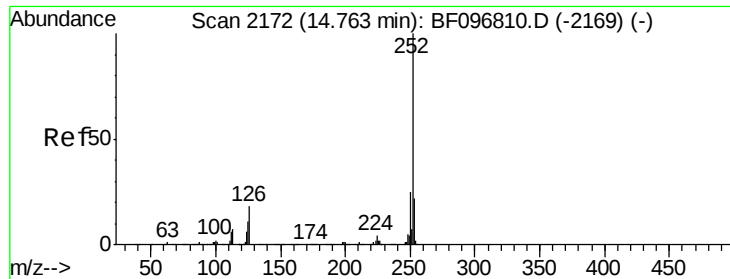


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

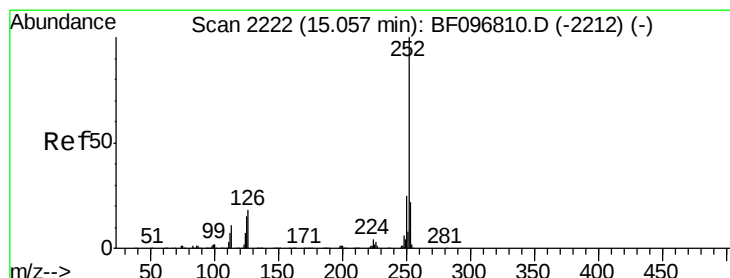
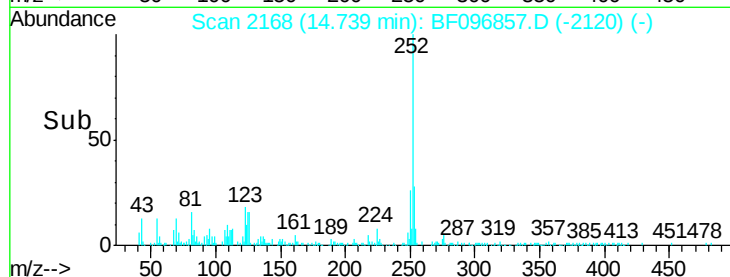
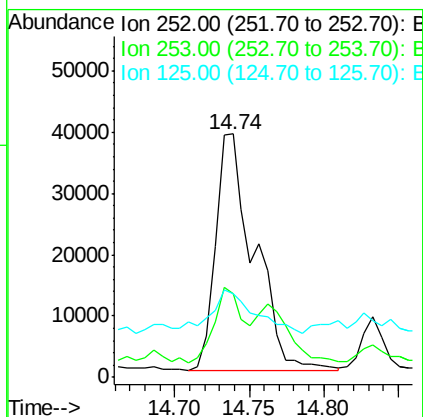
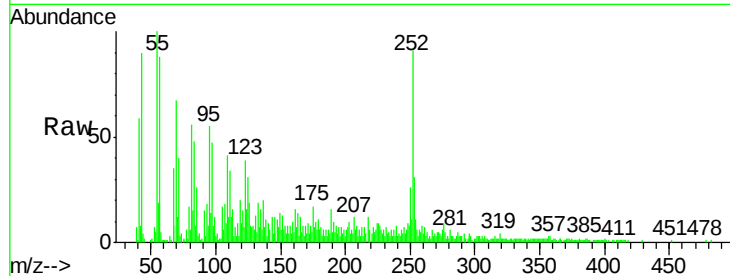




#88
Benzo(k)fluoranthene
Concen: 12.45 ng
RT: 14.74 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

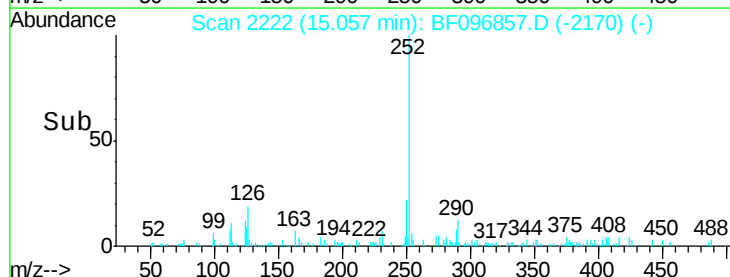
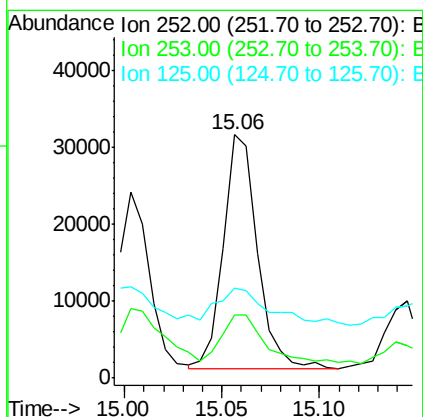
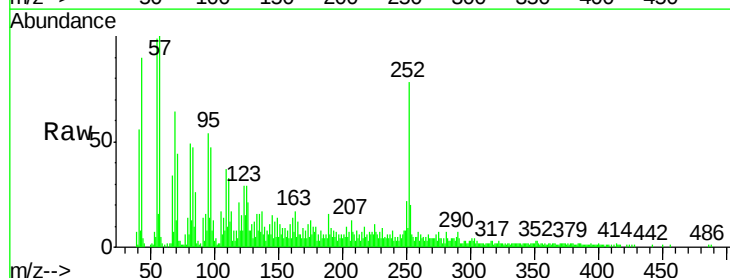
Instrument :
BNA_F
ClientSampleId :
PL-01-071717-E

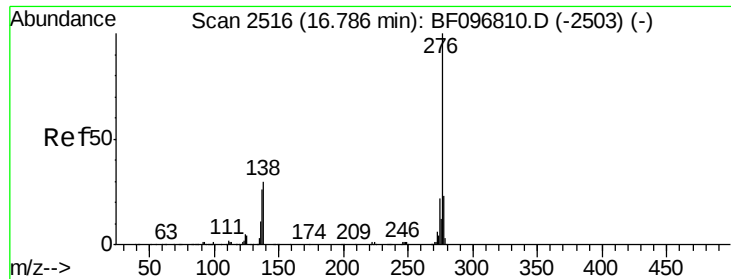
Tot Ion:252 Resp: 69353
Ion Ratio Lower Upper
252 100
253 34.3 18.4 27.6#
125 34.5 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 6.85 ng
RT: 15.06 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF096857.D
Acq: 18 Jul 2017 20:05

Tgt Ion:252 Resp: 36975
Ion Ratio Lower Upper
252 100
253 26.2 17.5 26.3
125 37.1 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.93 ng

RT: 16.80 min Scan# 2518

Delta R.T. 0.02 min

Lab File: BF096857.D

Acq: 18 Jul 2017 20:05

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-E

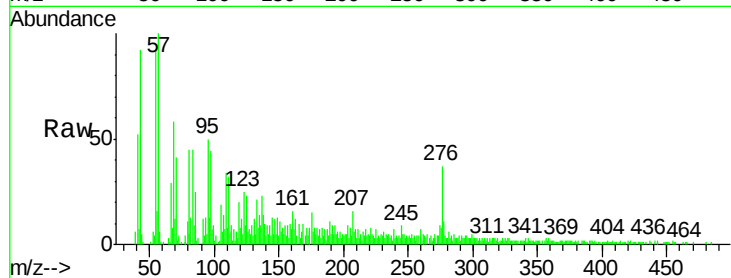
Tot Ion:276 Resp: 20914

Ion Ratio Lower Upper

276 100

277 30.8 18.6 28.0#

138 38.2 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

