

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096851.D
 Acq On : 18 Jul 2017 16:46
 Operator : SJ/JU
 Sample : I4248-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-COMP-(0-8)

Quant Time: Jul 19 01:11:20 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

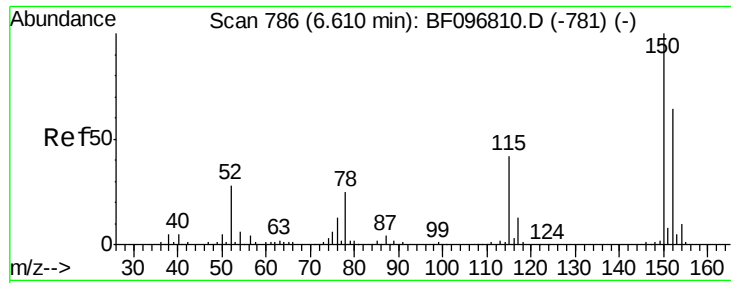
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	117937	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	491591	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	217058	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	344282	20.00	ng	0.00
75) Chrysene-d12	13.73	240	208262	20.00	ng	0.00
86) Perylene-d12	15.10	264	208041	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	930489	118.63	ng	0.02
7) Phenol-d6	6.26	99	1130278	120.08	ng	0.00
23) Nitrobenzene-d5	7.16	82	699129	88.09	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	214203	115.61	ng	0.00
44) 2-Fluorobiphenyl	8.96	172	1077340	78.42	ng	0.00
78) Terphenyl-d14	12.69	244	637037	53.05	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.26	94	47442	4.46	ng	86
19) n-Nitroso-di-n-propylamine	7.16	70	94909	16.74	ng	# 88
25) Isophorone	7.16	82	693131	46.95	ng	# 67
49) Dimethylphthalate	9.35	163	157942	9.66	ng	99
56) 2,4-Dinitrotoluene	9.63	165	28941	6.36	ng	# 33
60) 4-Chlorophenyl-phenylether	9.97	204	132	Below Cal	#	21
66) 4-Bromophenyl-phenylether	10.42	248	13975	3.98	ng	# 1
70) Phenanthrene	11.12	178	111104	5.94	ng	96
74) Fluoranthene	12.30	202	195278	10.90	ng	99
77) Pyrene	12.53	202	178235	9.43	ng	97
80) Benzo(a)anthracene	13.72	228	80004	6.17	ng	96
82) Chrysene	13.75	228	70428	5.51	ng	95
85) Indeno(1,2,3-cd)pyrene	16.37	276	49243	7.32	ng	97
87) Benzo(b)fluoranthene	14.72	252	131290	10.46	ng	# 95
88) Benzo(k)fluoranthene	14.72	252	131290	11.05	ng	98
89) Benzo(a)pyrene	15.04	252	64061	5.57	ng	# 95
91) Benzo(a,h,i)perylene	16.76	276	45118	3.98	ng	97

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

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ALS Vial  : 17      Sample Multiplier: 1
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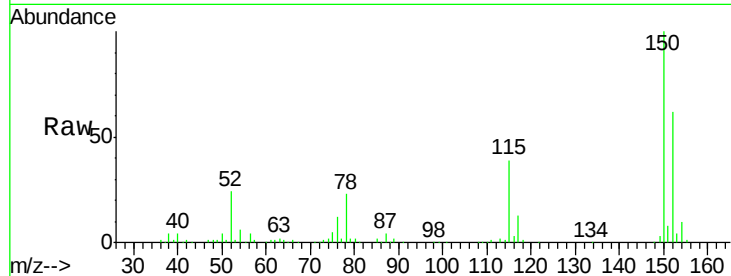


#1

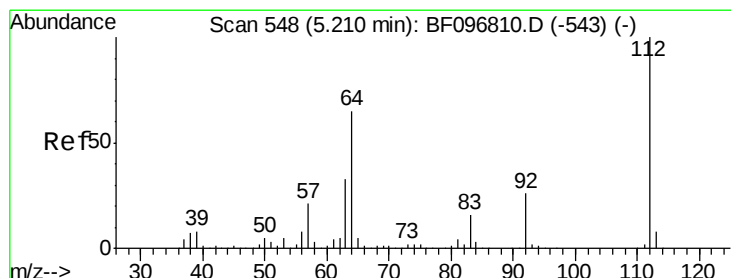
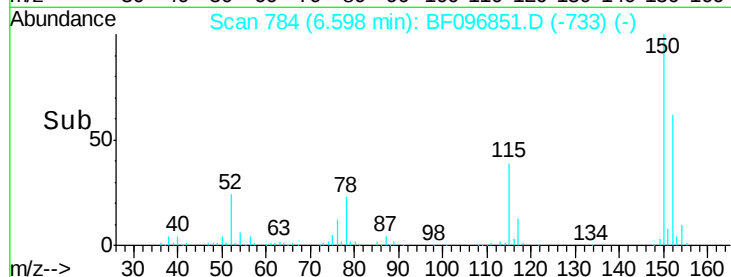
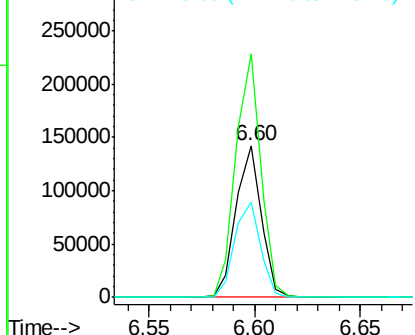
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: BF096851.D
 Acq: 18 Jul 2017 16:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-COMP-(0-8)

Tot Ion:152 Resp: 117937
 Ion Ratio Lower Upper
 152 100
 150 160.4 126.2 189.2
 115 62.3 52.2 78.2



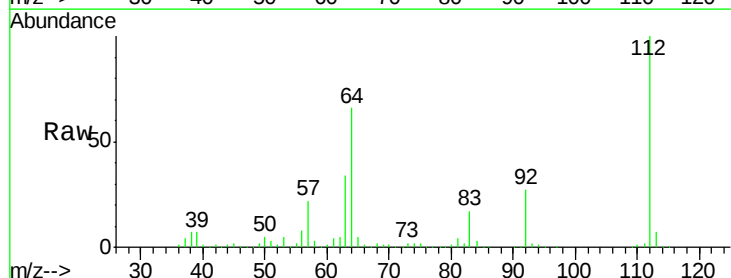
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



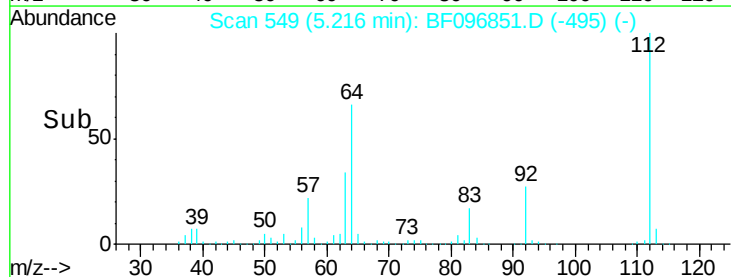
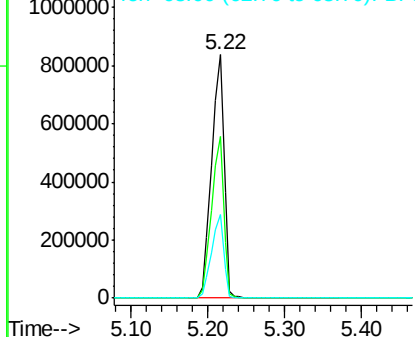
#5

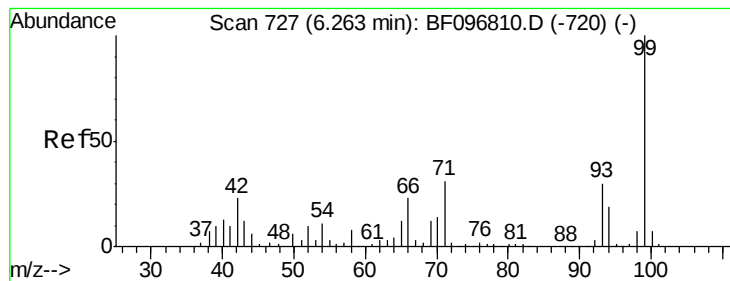
2-Fluorophenol
 Concen: 118.63 ng
 RT: 5.22 min Scan# 549
 Delta R.T. 0.02 min
 Lab File: BF096851.D
 Acq: 18 Jul 2017 16:46

Tgt Ion:112 Resp: 930489
 Ion Ratio Lower Upper
 112 100
 64 66.2 46.0 69.0
 63 34.2 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: 120.08 ng

RT: 6.26 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP-(0-8)

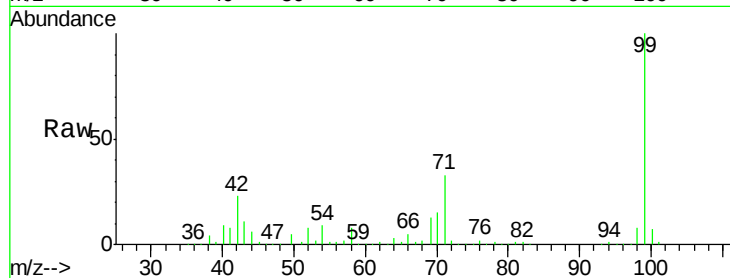
Tot Ion: 99 Resp: 1130278

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

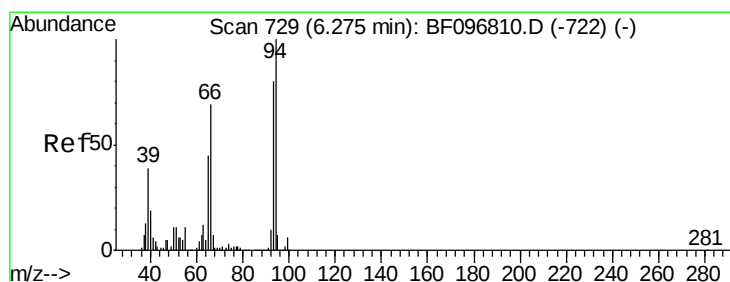
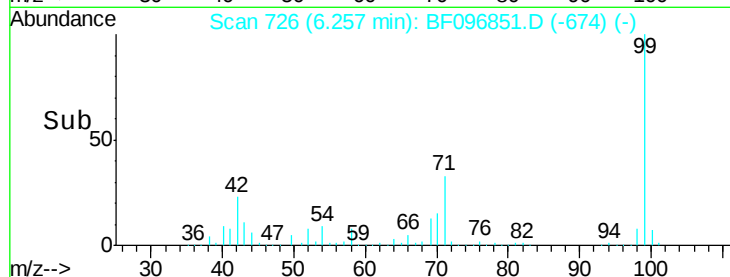
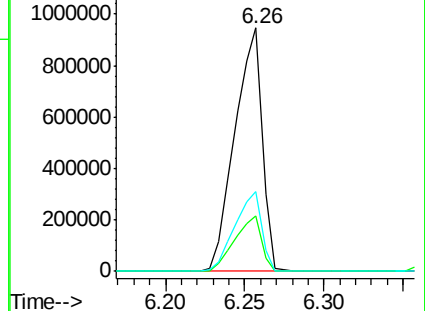
71 32.6 24.5 36.7



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: 4.46 ng

RT: 6.26 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

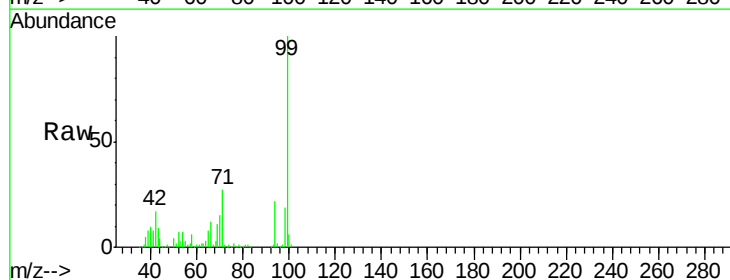
Tgt Ion: 94 Resp: 47442

Ion Ratio Lower Upper

94 100

65 35.4 9.9 49.9

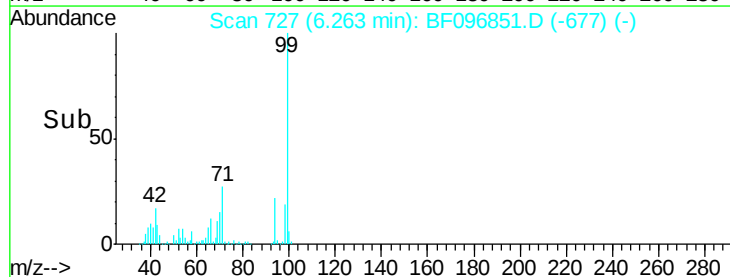
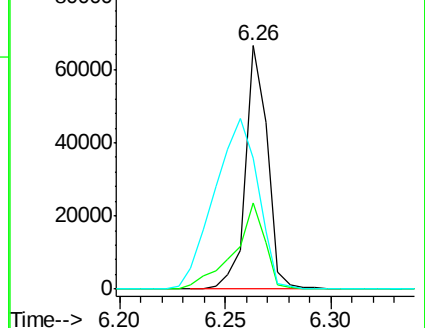
66 53.8 23.1 63.1

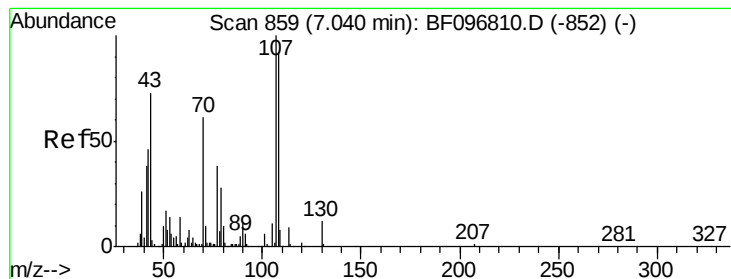


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 16.74 ng

RT: 7.16 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP-(0-8)

Tot Ion: 70 Resp: 94909

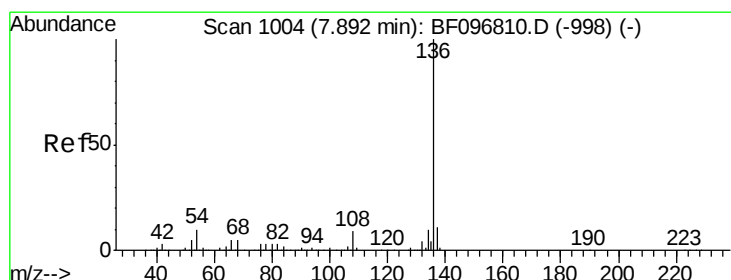
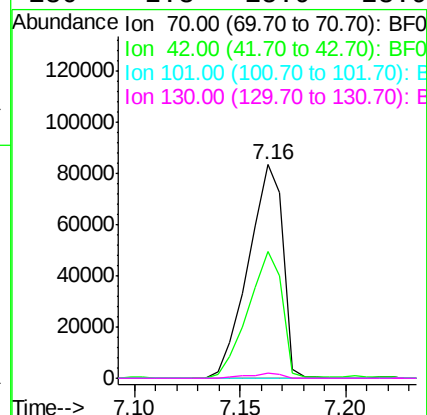
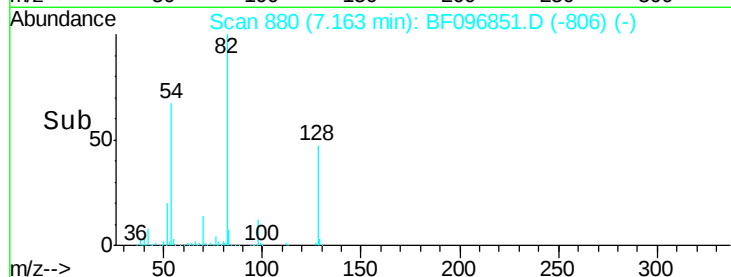
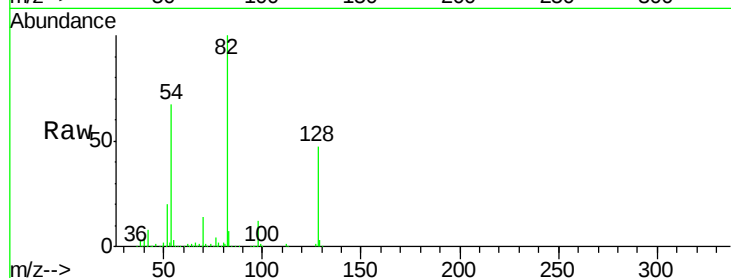
Ion Ratio Lower Upper

70 100

42 59.6 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

Tgt Ion:136 Resp: 491591

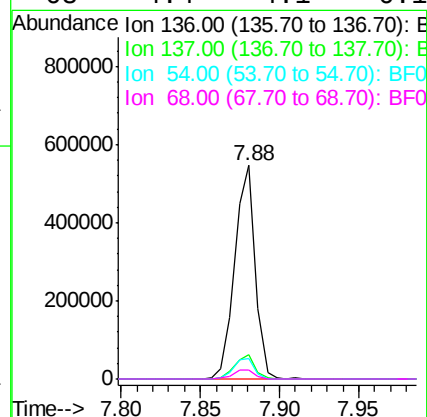
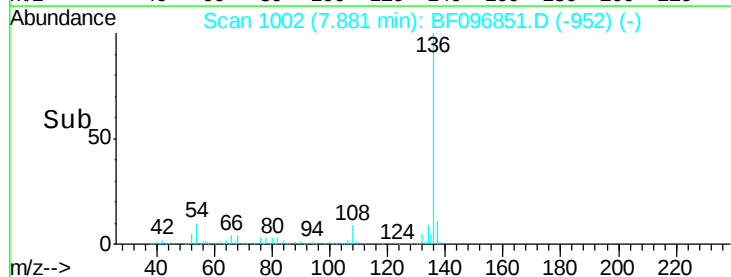
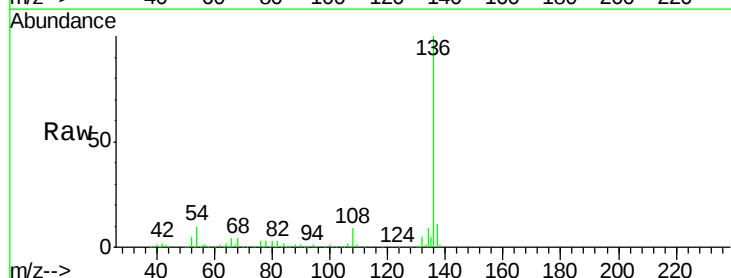
Ion Ratio Lower Upper

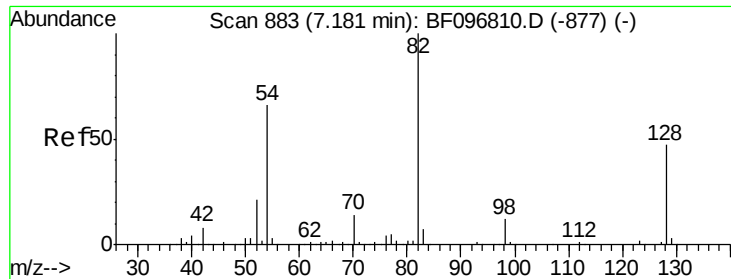
136 100

137 11.3 8.5 12.7

54 9.8 4.9 7.3#

68 4.4 4.1 6.1

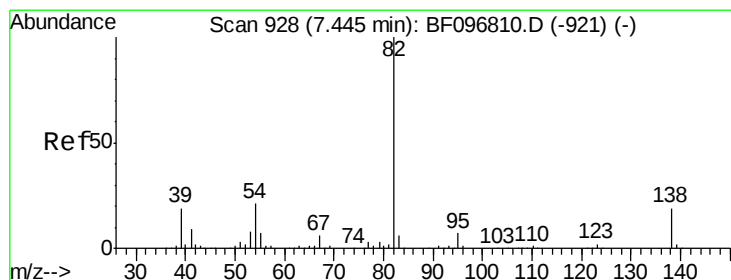
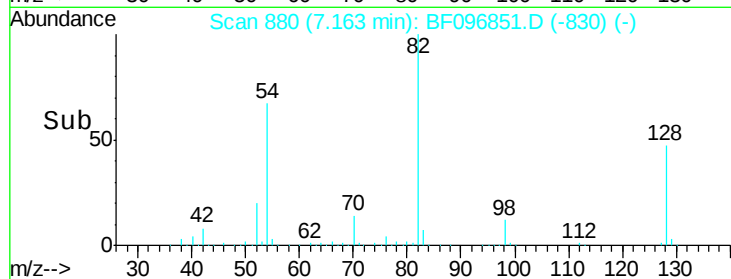
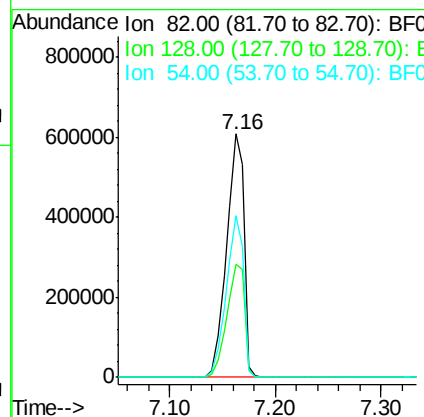
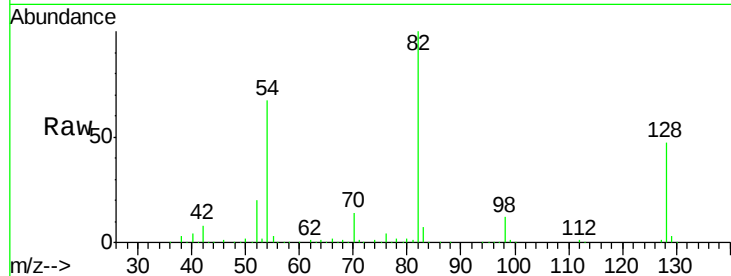




#23
Nitrobenzene-d5
Concen: 88.09 ng
RT: 7.16 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF096851.D
Acq: 18 Jul 2017 16:46

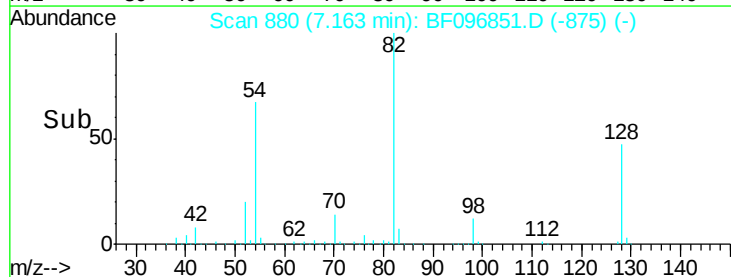
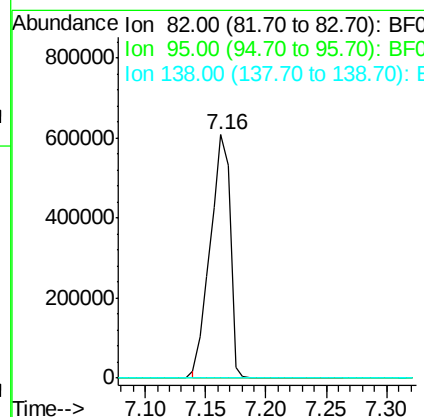
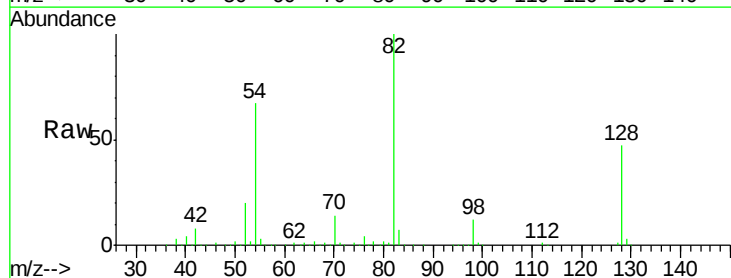
Instrument :
BNA_F
ClientSampleId :
TP-1-COMP-(0-8)

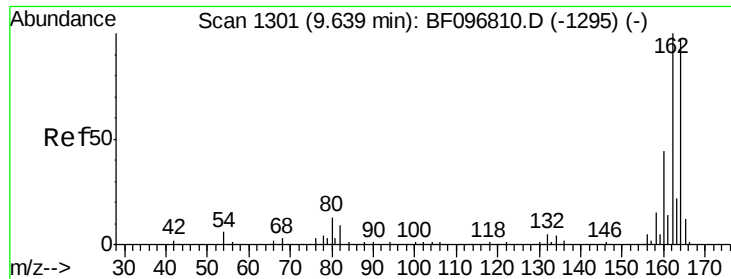
Tot Ion: 82 Resp: 699129
Ion Ratio Lower Upper
82 100
128 46.6 34.0 51.0
54 66.6 42.2 63.2#



#25
Isophorone
Concen: 46.95 ng
RT: 7.16 min Scan# 880
Delta R.T. -0.27 min
Lab File: BF096851.D
Acq: 18 Jul 2017 16:46

Tgt Ion: 82 Resp: 693131
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP-(0-8)

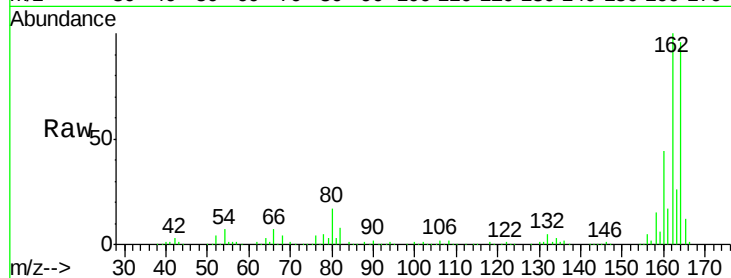
Tot Ion:164 Resp: 217058

Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

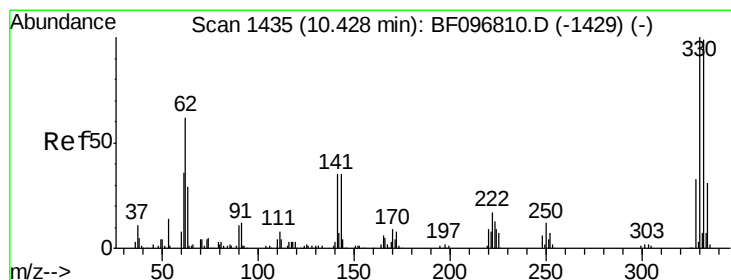
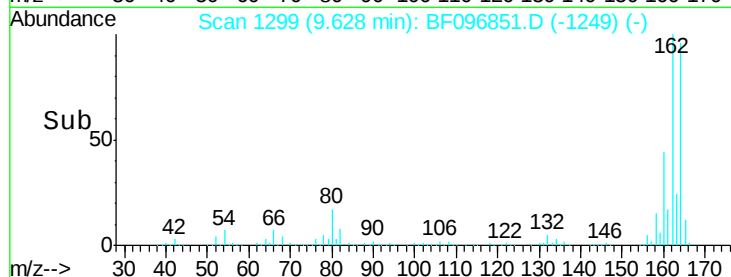
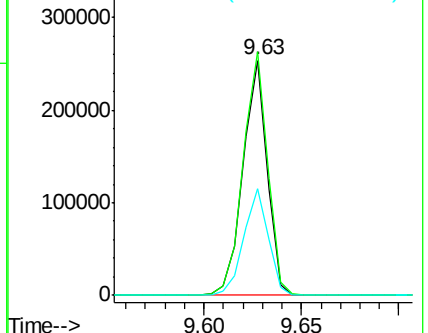
160 45.7 36.2 54.2



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: 115.61 ng

RT: 10.42 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

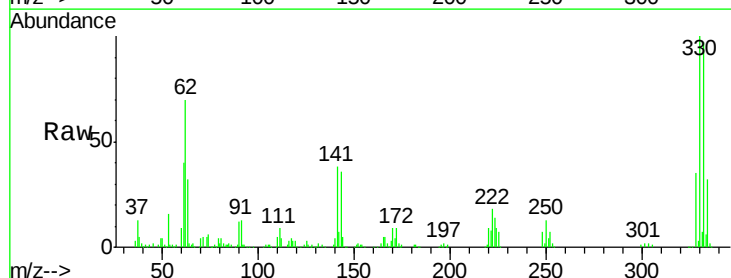
Tgt Ion:330 Resp: 214203

Ion Ratio Lower Upper

330 100

332 96.7 76.6 115.0

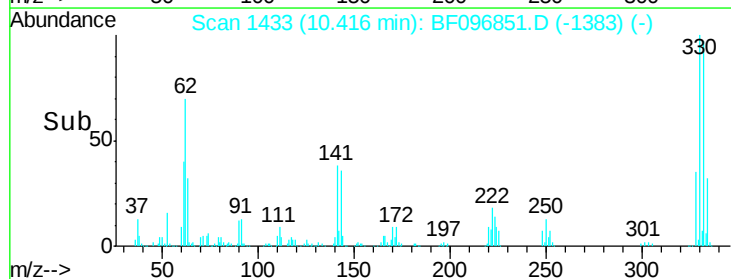
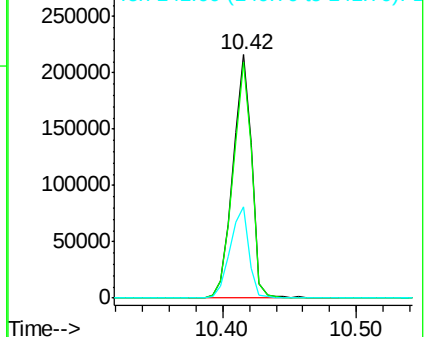
141 38.0 31.4 47.2

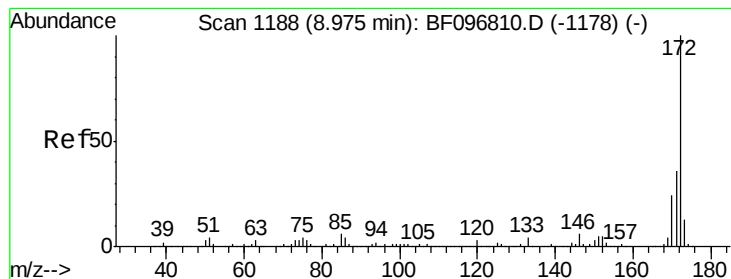


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

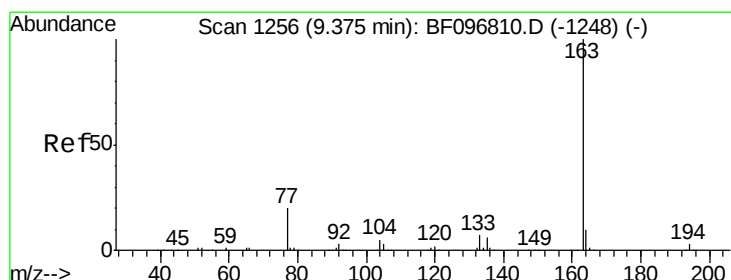
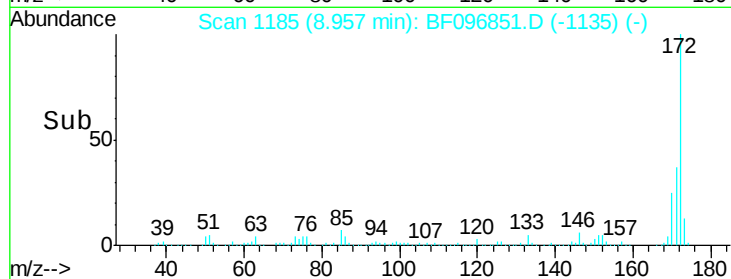
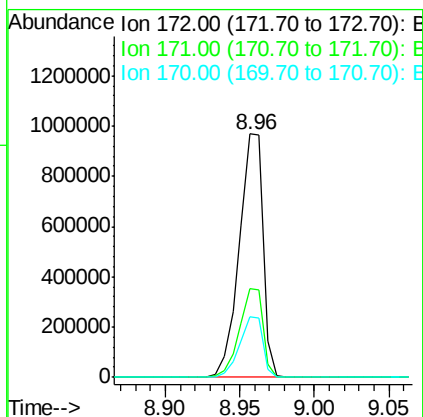
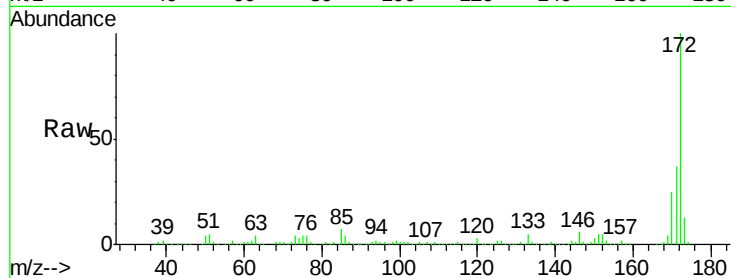




#44
 2-Fluorobiphenyl
 Concen: 78.42 ng
 RT: 8.96 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF096851.D
 Acq: 18 Jul 2017 16:46

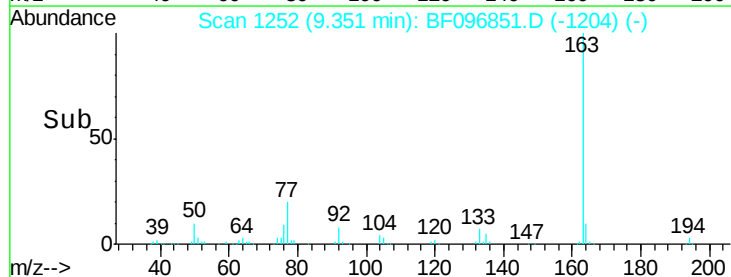
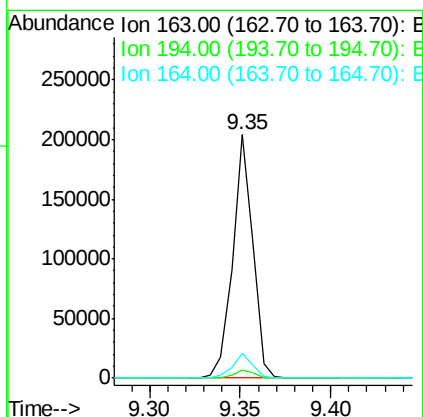
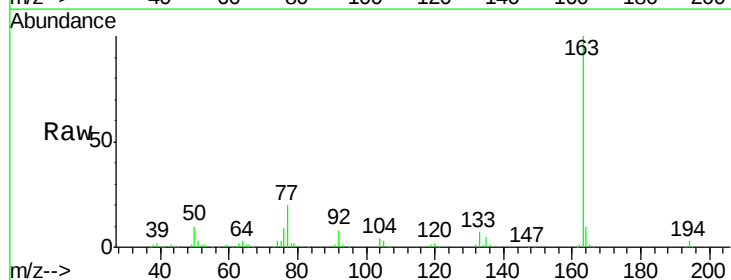
Instrument :
 BNA_F
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 TP-1-COMP-(0-8)

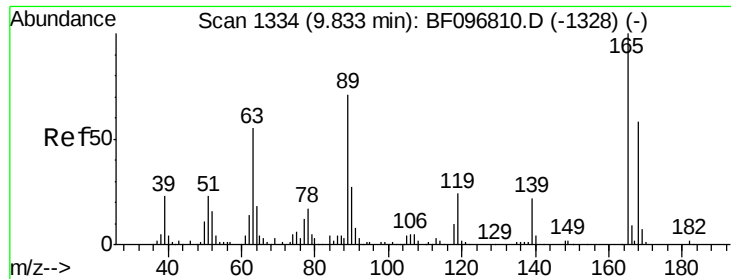
Tot Ion:172 Resp: 1077340
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.7 19.8 29.8



#49
 Dimethylphthalate
 Concen: 9.66 ng
 RT: 9.35 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF096851.D
 Acq: 18 Jul 2017 16:46

Tgt Ion:163 Resp: 157942
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.6 4.0
 164 10.2 8.4 12.6

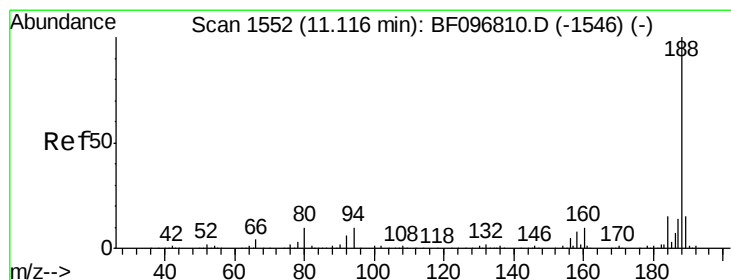
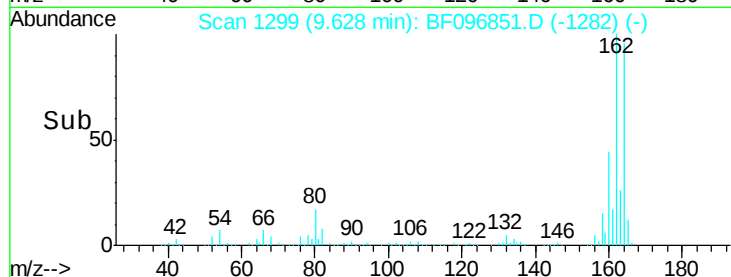
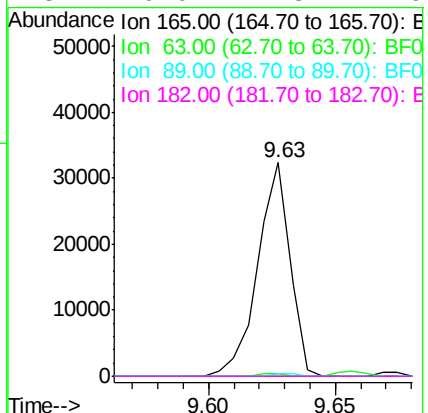
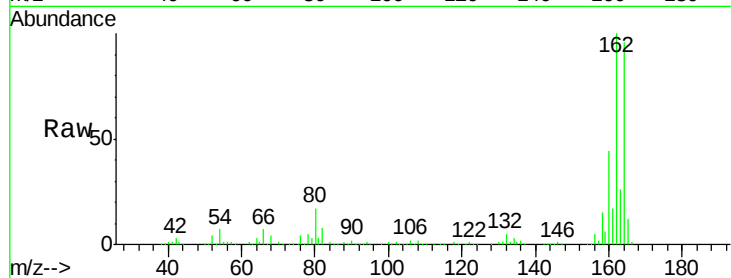




#56
 2,4-Dinitrotoluene
 Concen: 6.36 ng
 RT: 9.63 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF096851.D
 Acq: 18 Jul 2017 16:46

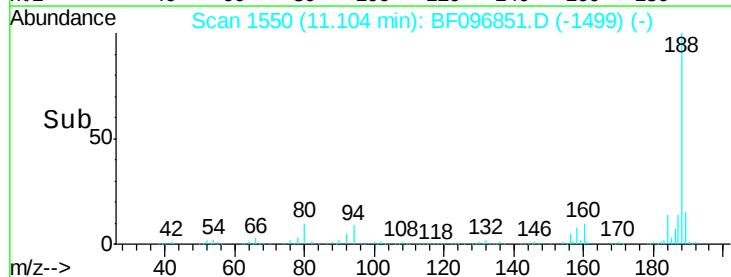
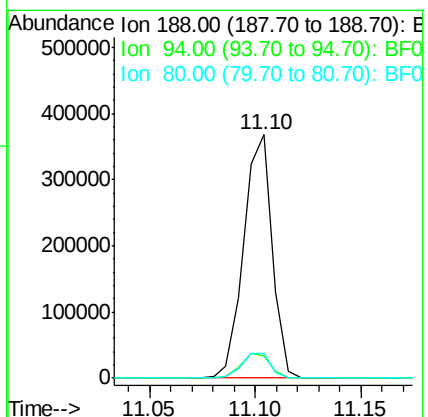
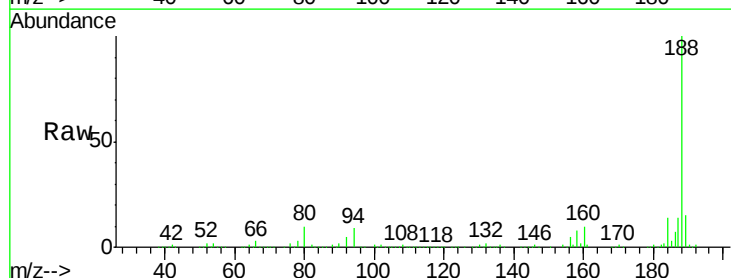
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-COMP-(0-8)

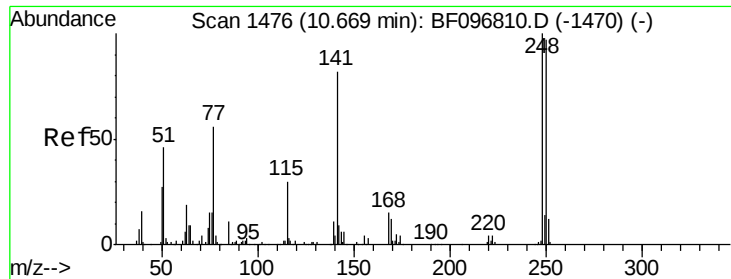
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.1	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 1550
 Delta R.T. -0.00 min
 Lab File: BF096851.D
 Acq: 18 Jul 2017 16:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	9.4	14.2#
80	10.1	10.2	15.2#

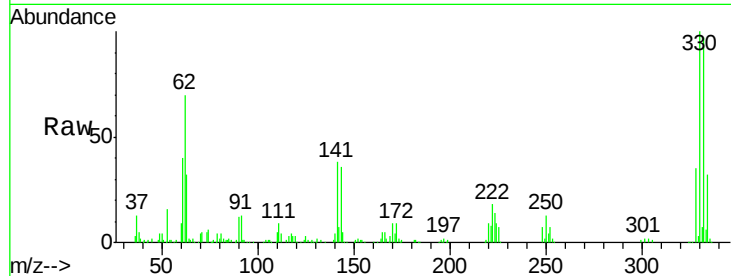




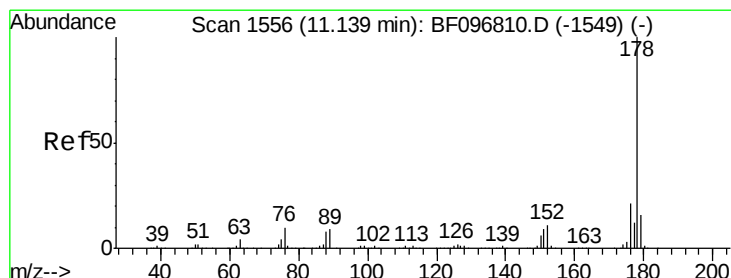
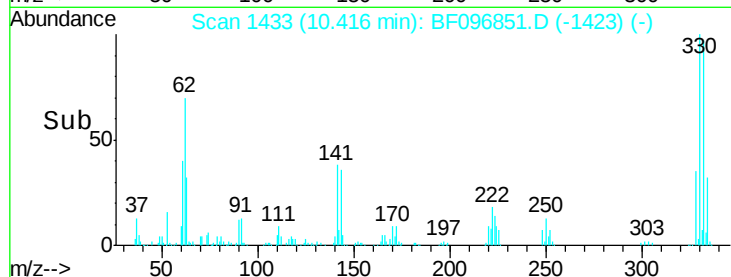
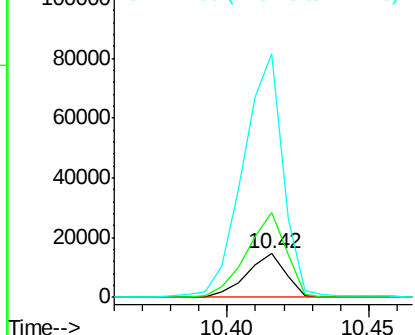
#66
4-Bromophenyl-phenylether
Concen: 3.98 ng
RT: 10.42 min Scan# 1433
Delta R.T. -0.24 min
Lab File: BF096851.D
Acq: 18 Jul 2017 16:46

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP-(0-8)

Tot Ion:248 Resp: 13975
Ion Ratio Lower Upper
248 100
250 196.5 76.8 115.2#
141 559.6 68.6 103.0#

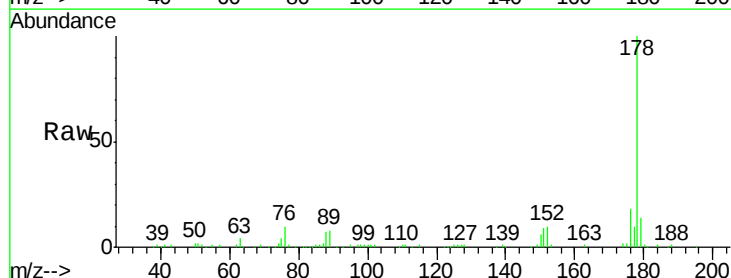


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

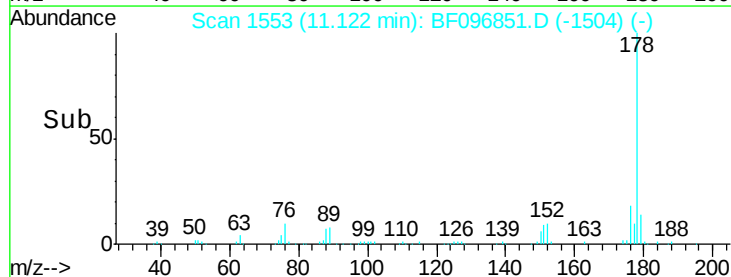
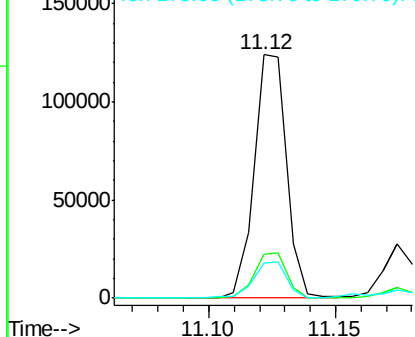


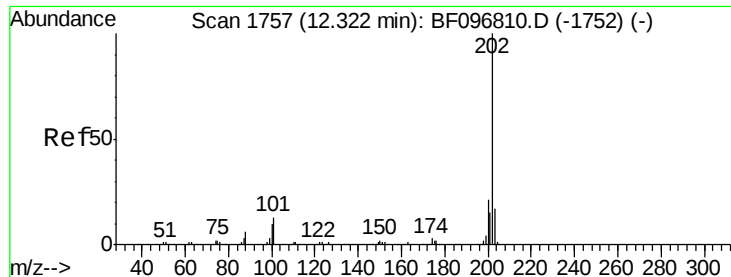
#70
Phenanthrene
Concen: 5.94 ng
RT: 11.12 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF096851.D
Acq: 18 Jul 2017 16:46

Tgt Ion:178 Resp: 111104
Ion Ratio Lower Upper
178 100
176 18.1 16.2 24.4
179 14.3 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: 10.90 ng

RT: 12.30 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP-(0-8)

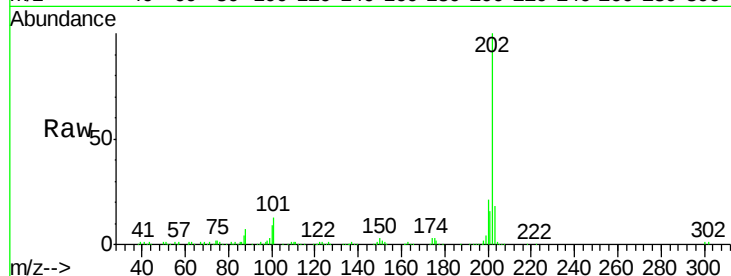
Tot Ion:202 Resp: 195278

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

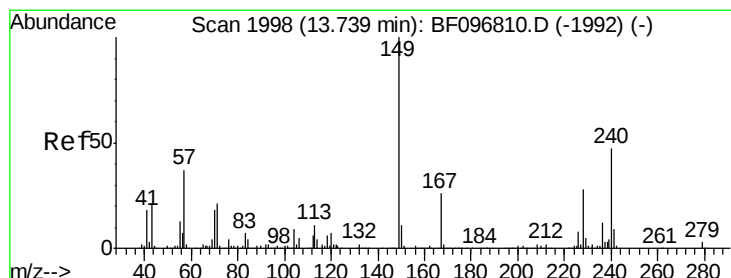
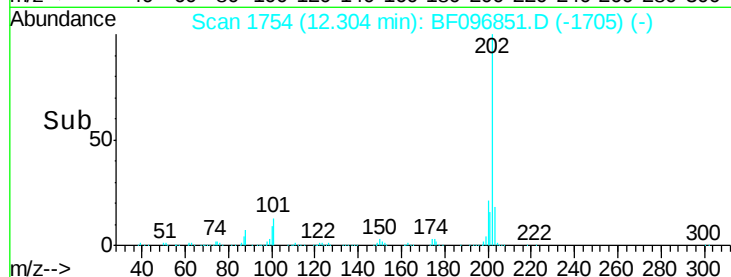
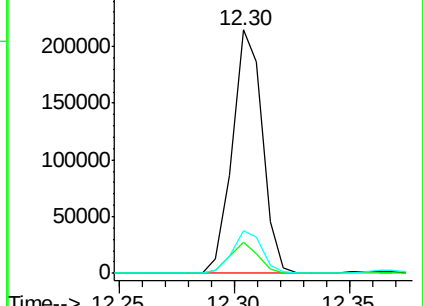
203 17.5 0.0 38.1



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# 1996

Delta R.T. -0.01 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

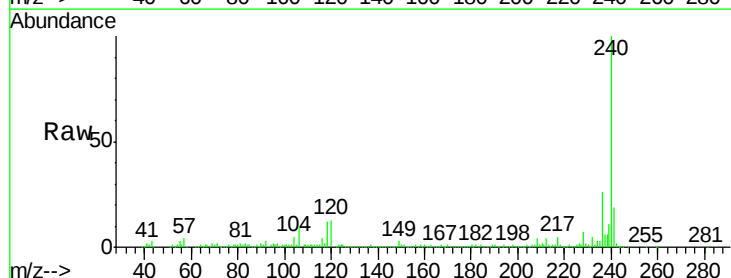
Tgt Ion:240 Resp: 208262

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

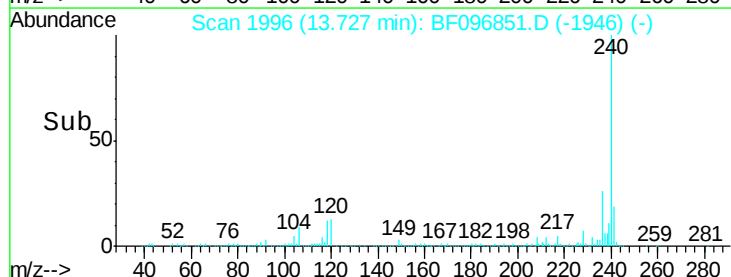
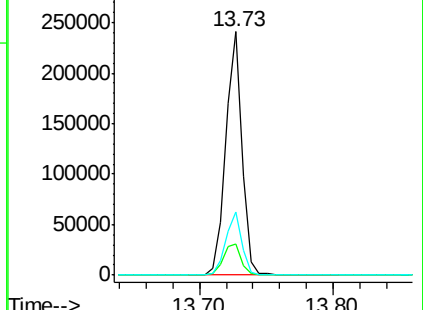
236 26.0 20.5 30.7

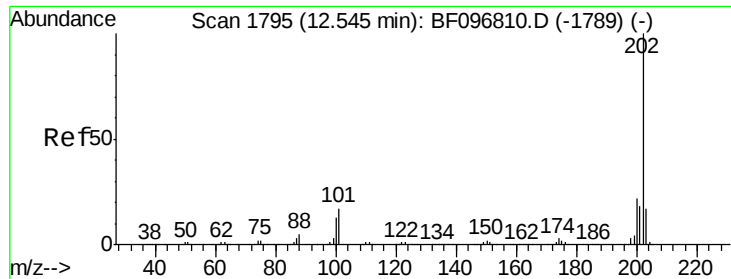


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.43 ng

RT: 12.53 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP-(0-8)

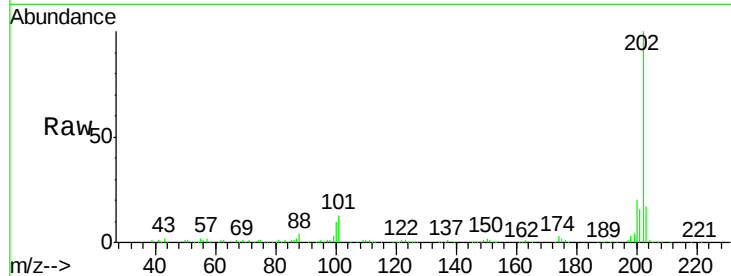
Tot Ion:202 Resp: 178235

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

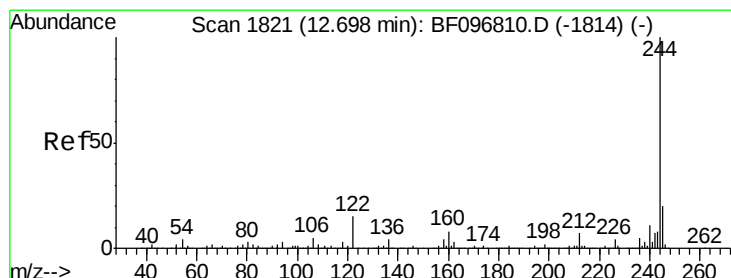
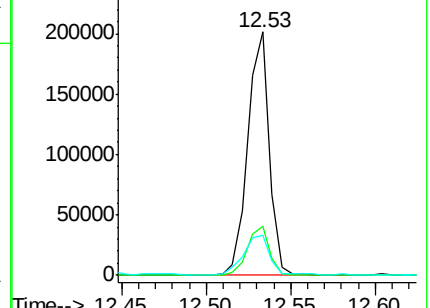
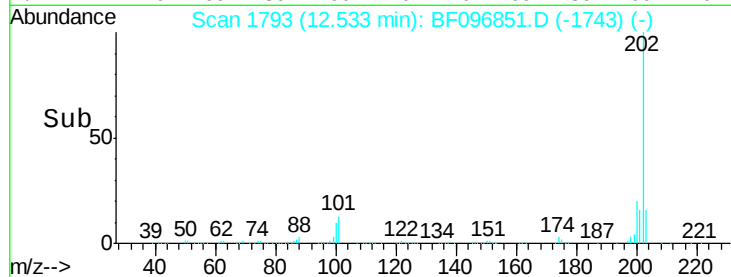
203 16.7 14.4 21.6



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: 53.05 ng

RT: 12.69 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

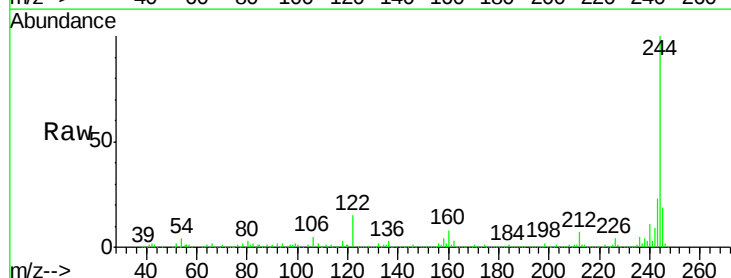
Tgt Ion:244 Resp: 637037

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

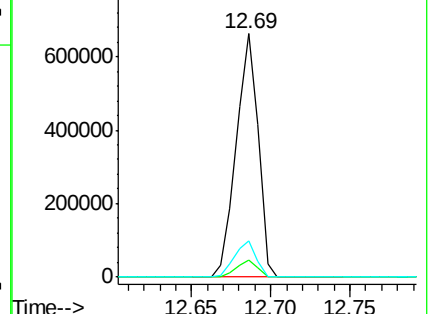
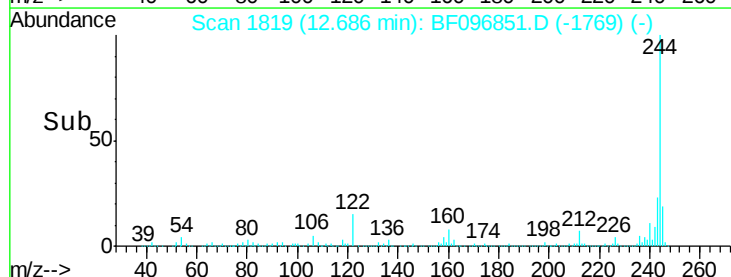
122 14.8 10.3 15.5

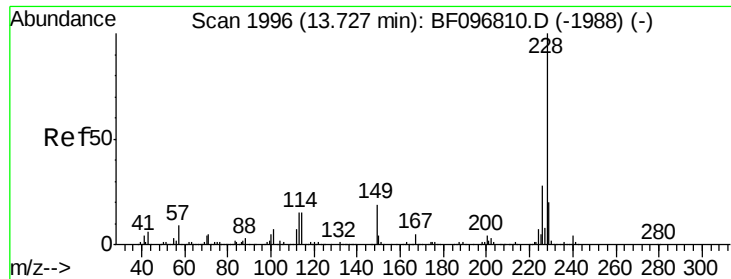


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.17 ng

RT: 13.72 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP-(0-8)

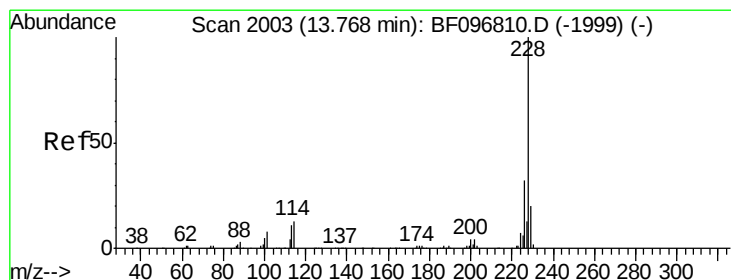
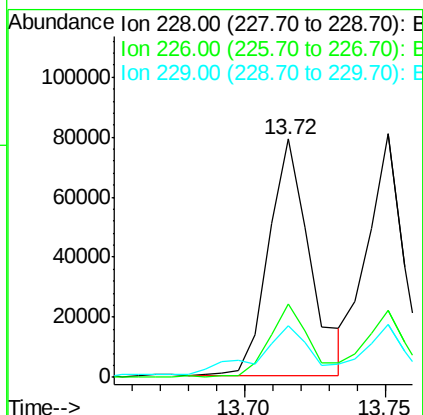
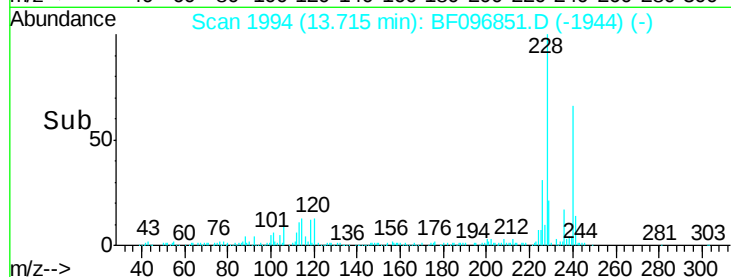
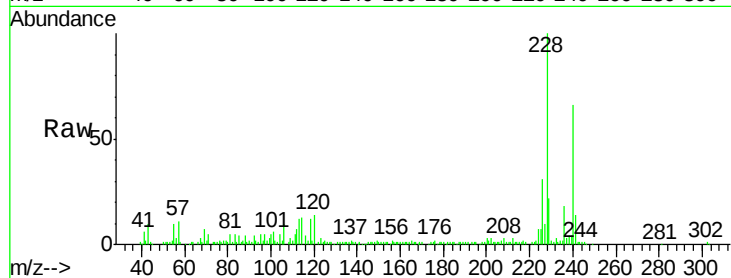
Tot Ion:228 Resp: 80004

Ion Ratio Lower Upper

228 100

226 30.6 22.6 33.8

229 21.6 16.3 24.5



#82

Chrysene

Concen: 5.51 ng

RT: 13.75 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

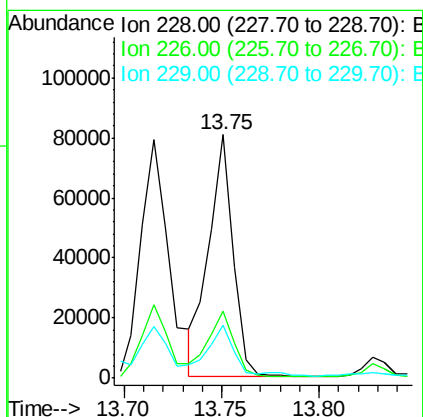
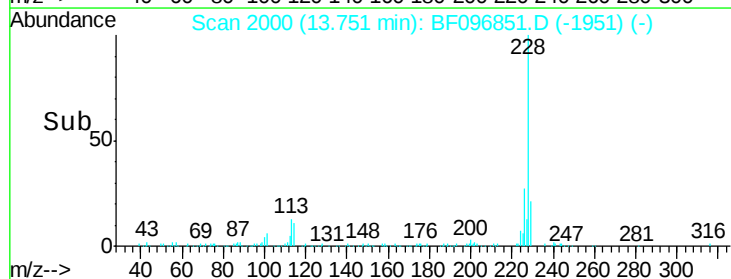
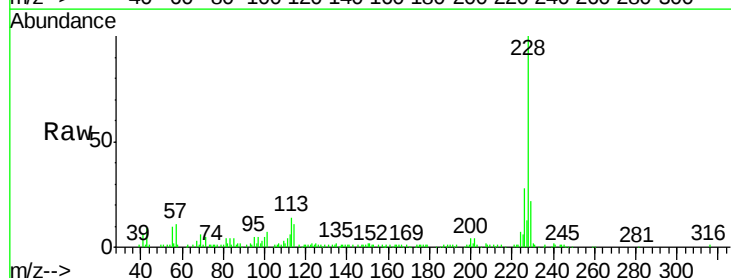
Tgt Ion:228 Resp: 70428

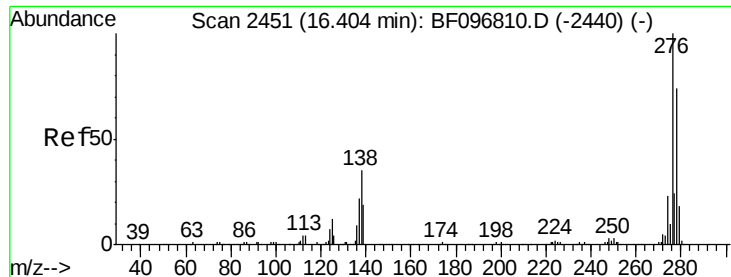
Ion Ratio Lower Upper

228 100

226 27.8 24.9 37.3

229 21.7 15.8 23.6

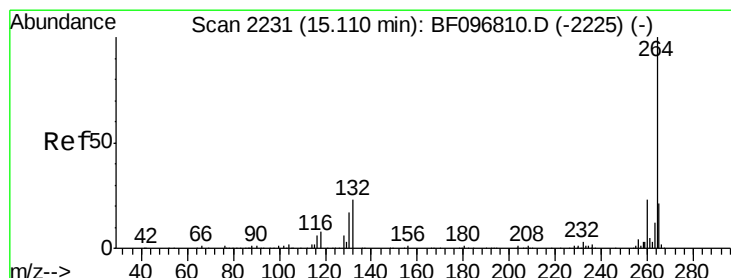
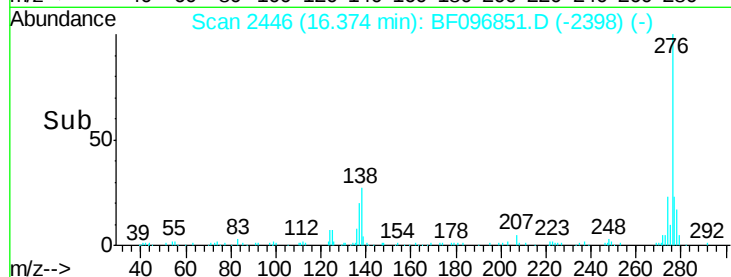
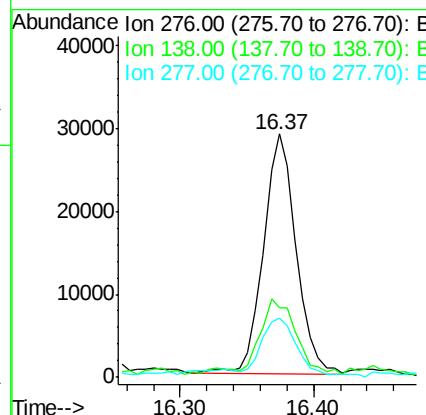
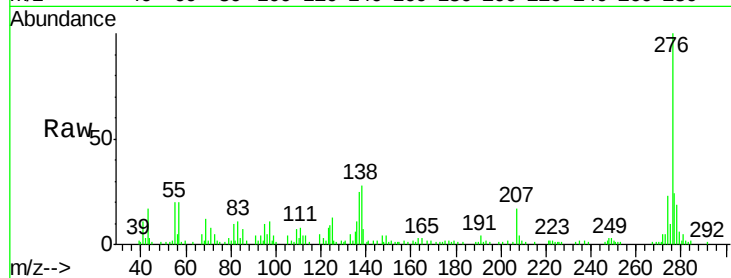




#85
Indeno(1,2,3-cd)pyrene
Concen: 7.32 ng
RT: 16.37 min Scan# 2446
Delta R.T. -0.02 min
Lab File: BF096851.D
Acq: 18 Jul 2017 16:46

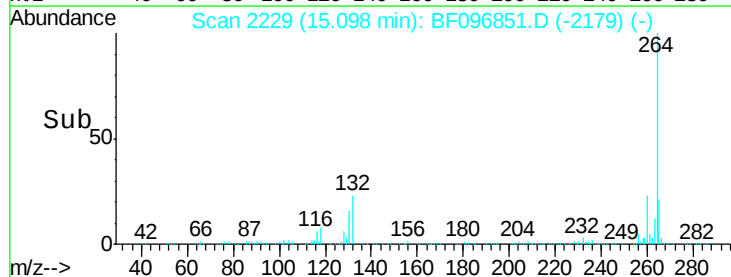
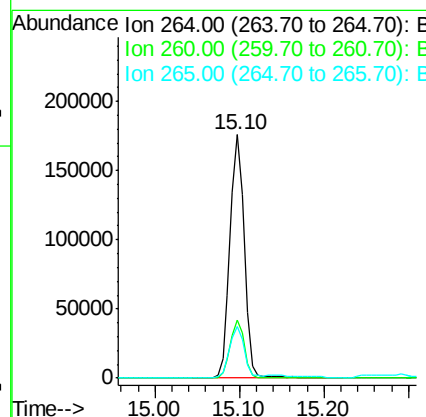
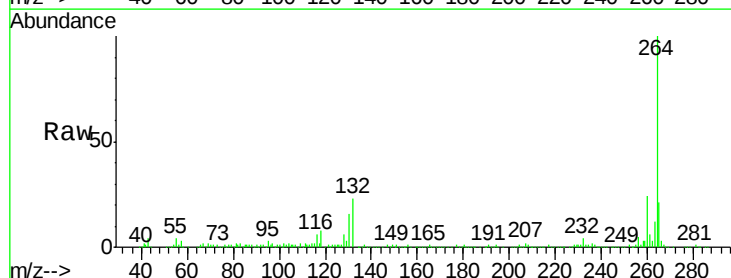
Instrument :
BNA_F
ClientSampleId :
TP-1-COMP-(0-8)

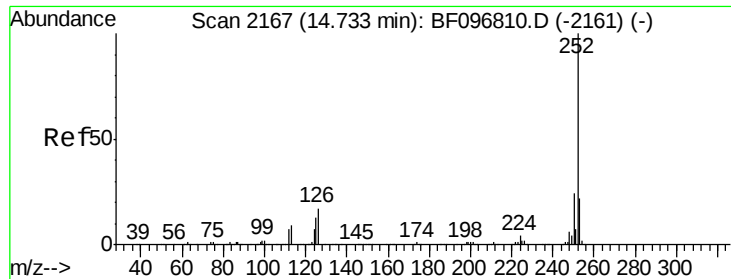
Tot Ion:276 Resp: 49243
Ion Ratio Lower Upper
276 100
138 33.4 27.8 41.6
277 27.6 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF096851.D
Acq: 18 Jul 2017 16:46

Tgt Ion:264 Resp: 208041
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 21.3 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 10.46 ng

RT: 14.72 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP-(0-8)

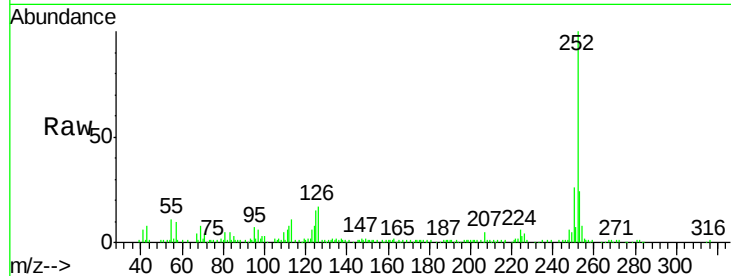
Tot Ion:252 Resp: 131290

Ion Ratio Lower Upper

252 100

253 24.0 18.1 27.1

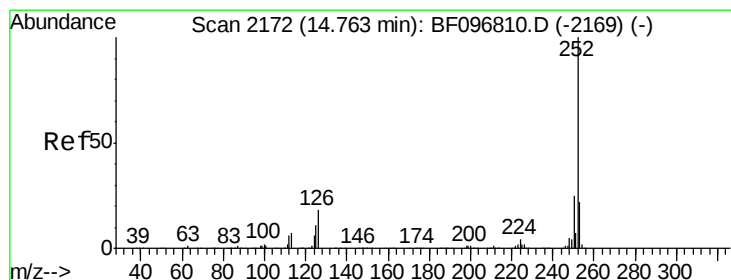
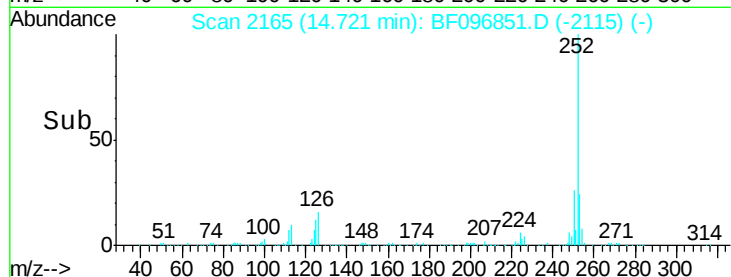
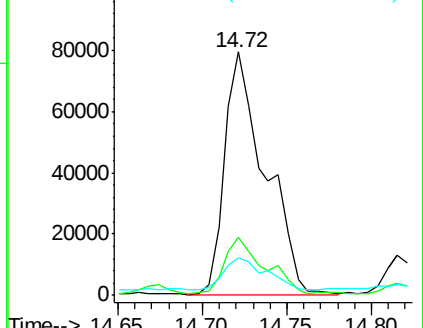
125 15.3 9.8 14.8#



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: 11.05 ng

RT: 14.72 min Scan# 2165

Delta R.T. -0.04 min

Lab File: BF096851.D

Acq: 18 Jul 2017 16:46

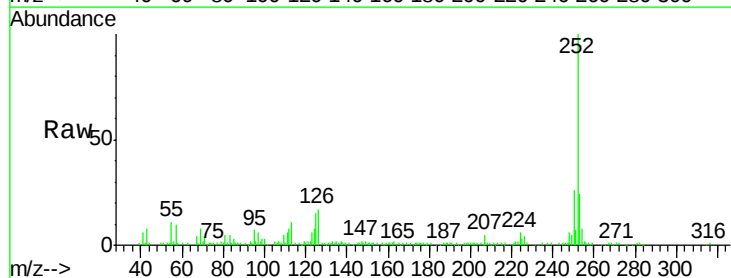
Tgt Ion:252 Resp: 131290

Ion Ratio Lower Upper

252 100

253 24.0 18.4 27.6

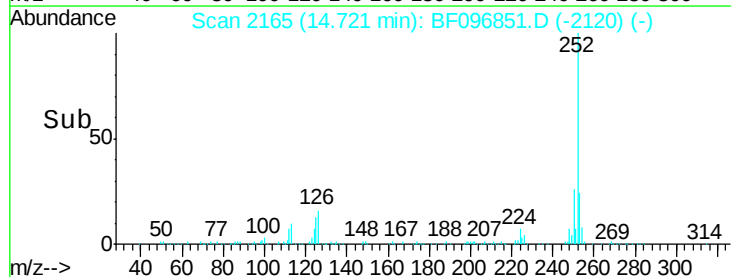
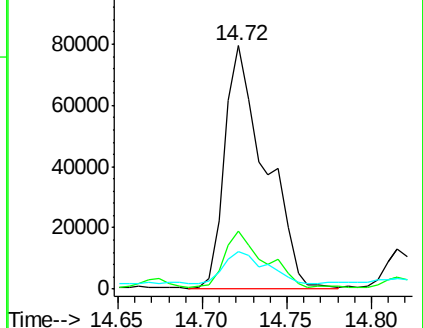
125 15.3 13.1 19.7

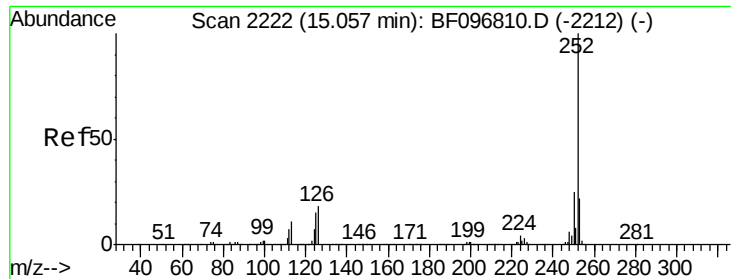


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

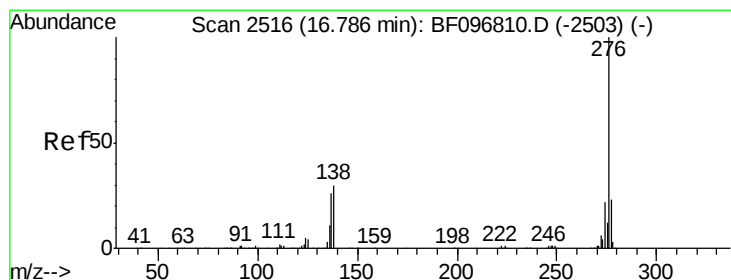
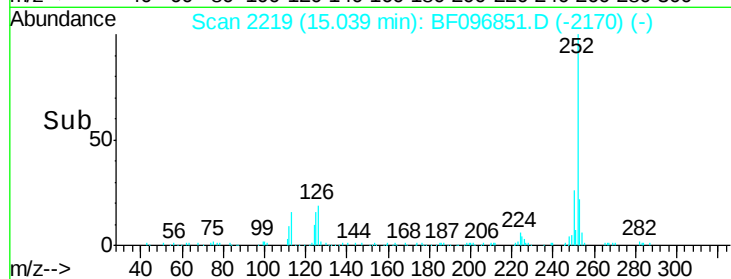
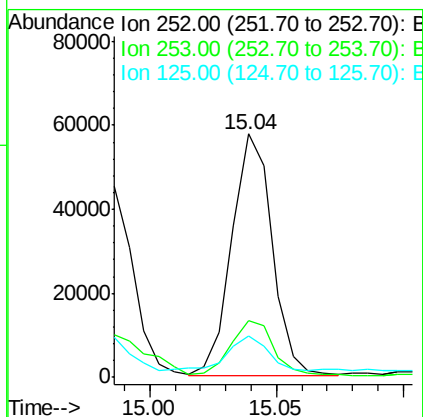
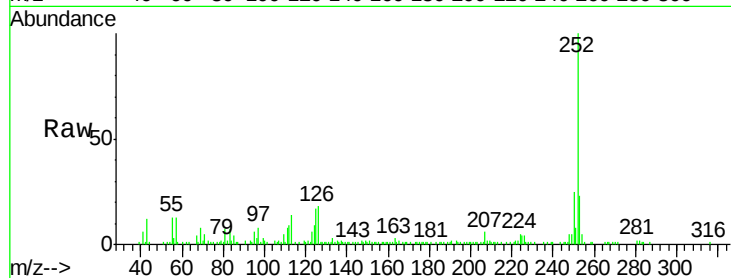




#89
Benzo(a)pyrene
Concen: 5.57 ng
RT: 15.04 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BF096851.D
Acq: 18 Jul 2017 16:46

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP-(0-8)

Tot Ion:252 Resp: 64061
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 16.9 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 3.98 ng
RT: 16.76 min Scan# 2511
Delta R.T. -0.02 min
Lab File: BF096851.D
Acq: 18 Jul 2017 16:46

Tgt Ion:276 Resp: 45118
Ion Ratio Lower Upper
276 100
277 22.7 18.6 28.0
138 33.7 25.4 38.0

