

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
 Data File : BF096467.D
 Acq On : 4 Jul 2017 4:36
 Operator : SJ/MA
 Sample : I4029-05 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 05:30:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

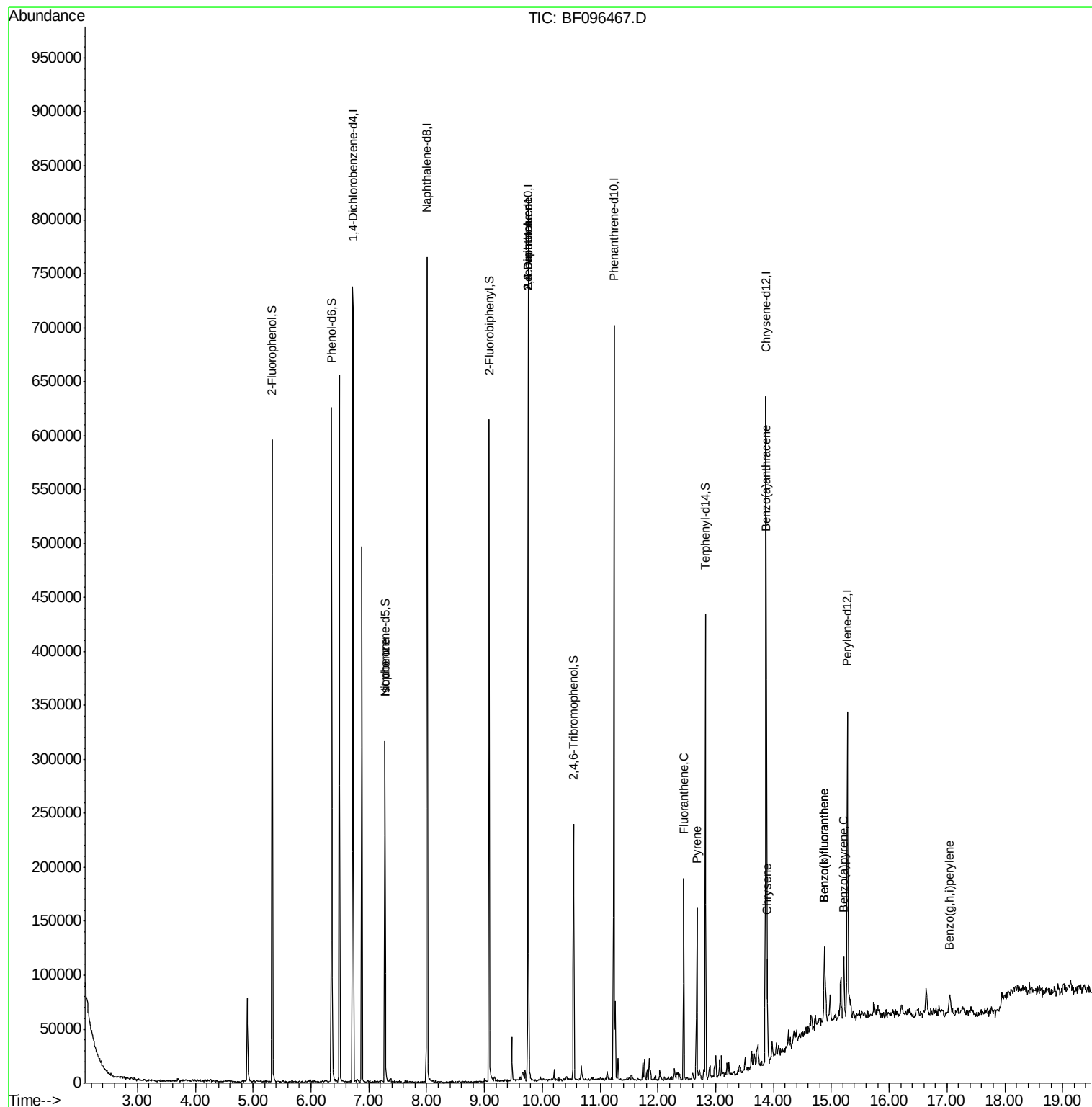
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	110348	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	365345	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	148790	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	244276	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	182198	20.00	ng	-0.01
86) Perylene-d12	15.28	264	114188	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	157107	21.01	ng	-0.02
7) Phenol-d6	6.36	99	186965	20.34	ng	-0.02
23) Nitrobenzene-d5	7.28	82	82424	13.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	22231	19.13	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	172009	19.77	ng	-0.02
78) Terphenyl-d14	12.82	244	117985	13.84	ng	-0.01
Target Compounds						
25) Isophorone	7.28	82	81885	6.95	ng	# 67
50) 2,6-Dinitrotoluene	9.76	165	18964	7.72	ng	# 32
56) 2,4-Dinitrotoluene	9.76	165	18964	6.10	ng	# 32
74) Fluoranthene	12.45	202	69409	5.36	ng	97
77) Pyrene	12.67	202	63934	4.37	ng	97
80) Benzo(a)anthracene	13.86	228	35245	3.34	ng	99
82) Chrysene	13.89	228	30232	2.74	ng	97
87) Benzo(b)fluoranthene	14.88	252	44180	6.17	ng	# 93
88) Benzo(k)fluoranthene	14.88	252	44180	6.90	ng	97
89) Benzo(a)pyrene	15.22	252	23686	3.71	ng	# 96
91) Benzo(g,h,i)perylene	17.05	276	13577	2.61	ng	# 90

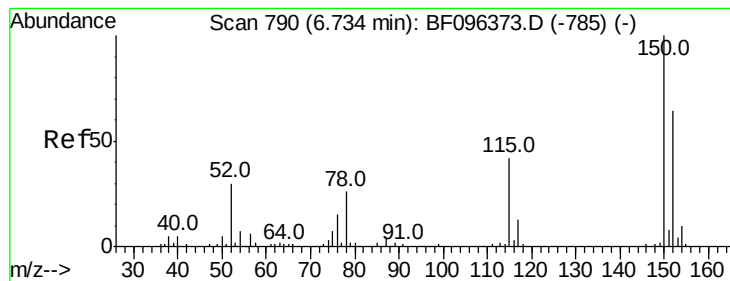
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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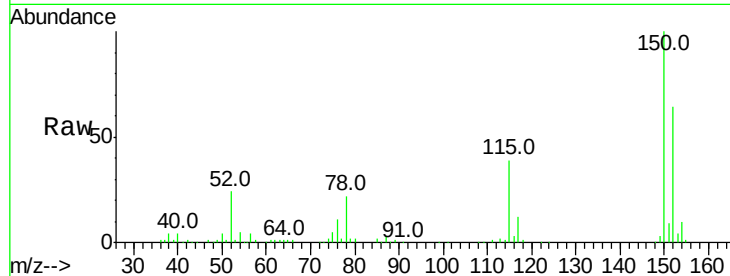


#1

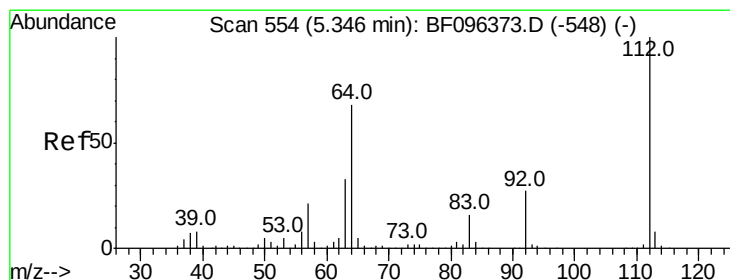
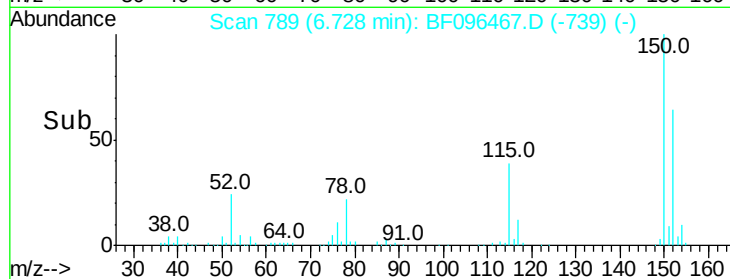
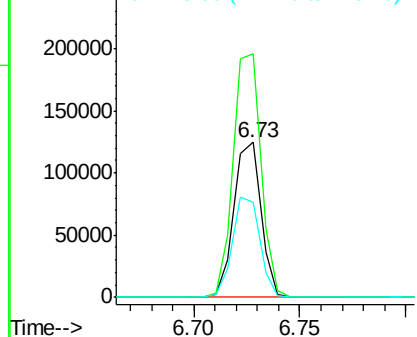
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110348
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.2
115 61.3 52.2 78.2



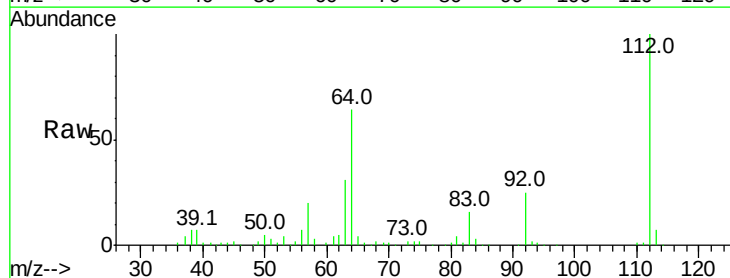
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



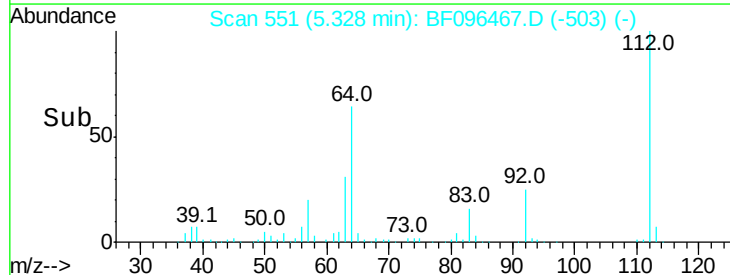
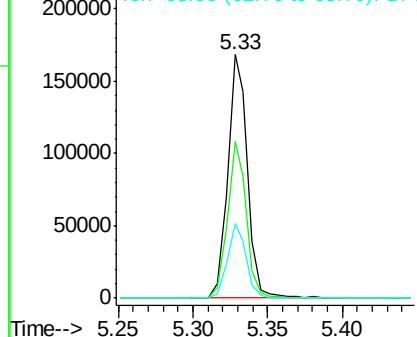
#5

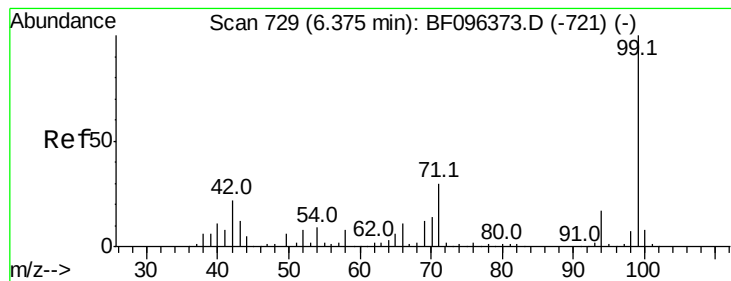
2-Fluorophenol
Concen: 21.01 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:112 Resp: 157107
Ion Ratio Lower Upper
112 100
64 64.3 46.0 69.0
63 30.8 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: 20.34 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF096467.D

Acq: 4 Jul 2017 4:36

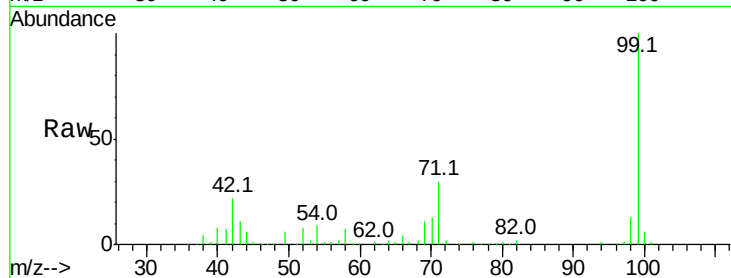
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 186965

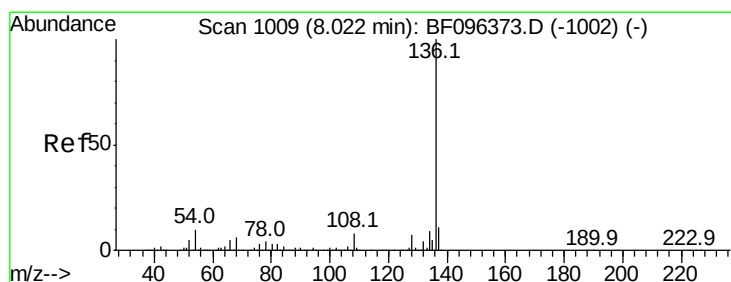
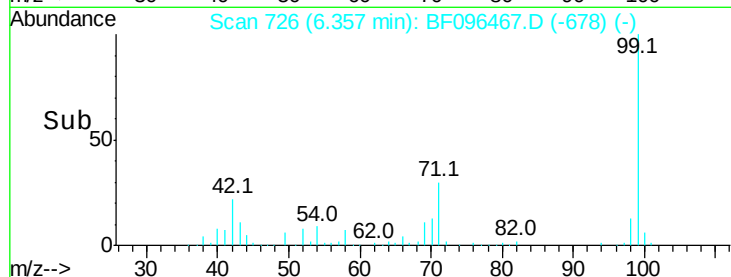
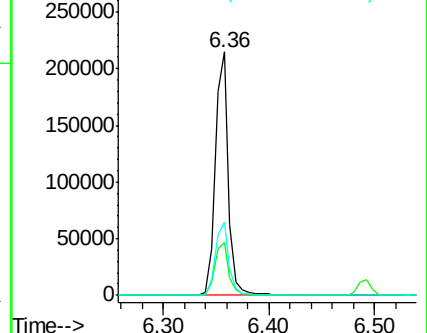
Ion	Ratio	Lower	Upper
99	100		
42	21.7	13.5	20.3#
71	29.9	24.5	36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 1007

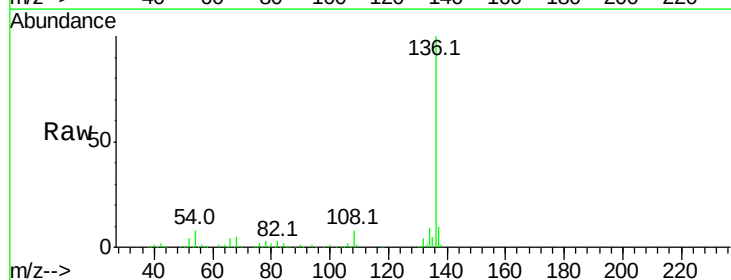
Delta R.T. -0.01 min

Lab File: BF096467.D

Acq: 4 Jul 2017 4:36

Tgt Ion: 136 Resp: 365345

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	8.4	4.9	7.3#
68	4.6	4.1	6.1

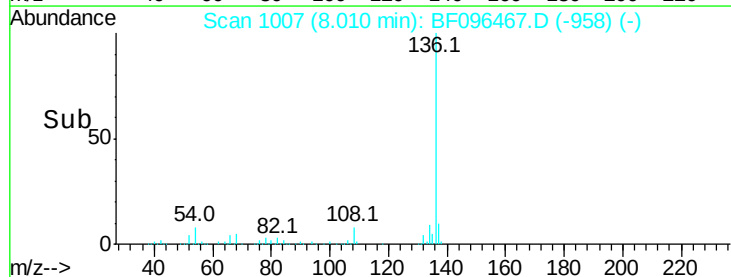
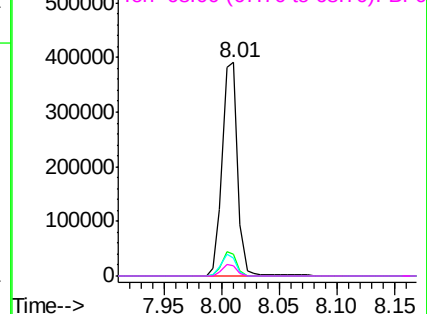


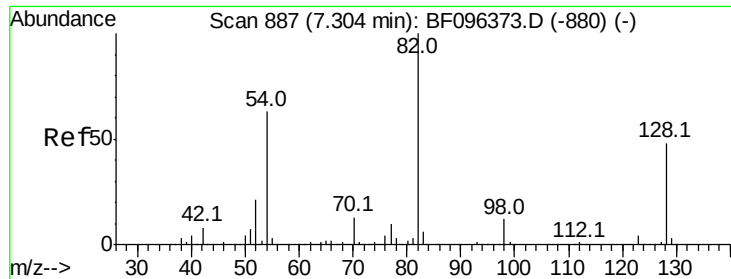
Abundance Ion 136.00 (135.70 to 136.70): E

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

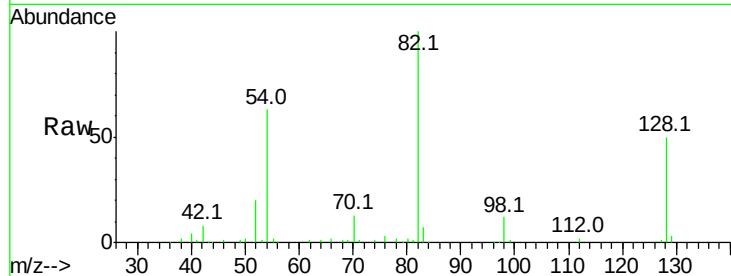




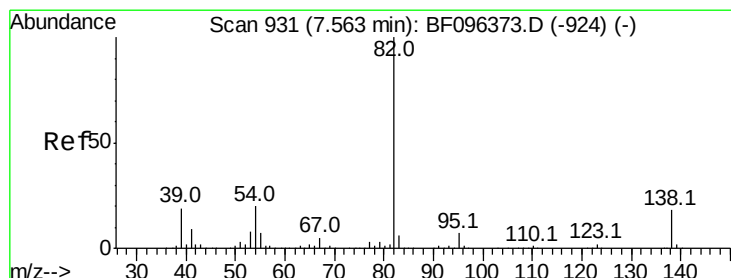
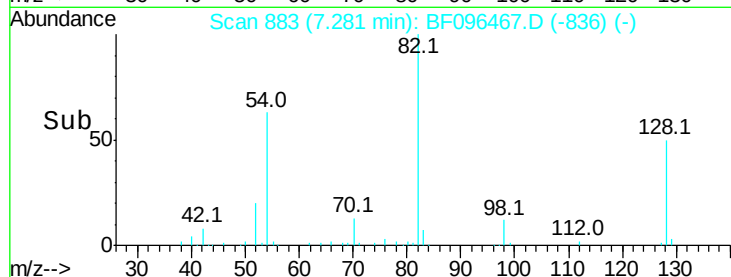
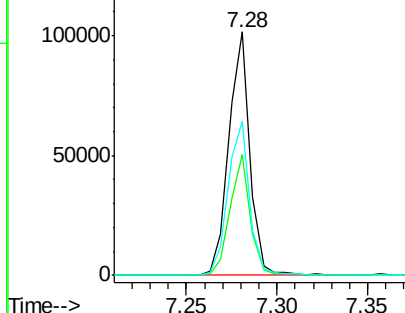
#23
 Nitrobenzene-d5
 Concen: 13.56 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF096467.D
 Acq: 4 Jul 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 82424
 Ion Ratio Lower Upper
 82 100
 128 49.6 34.0 51.0
 54 63.3 42.2 63.2#

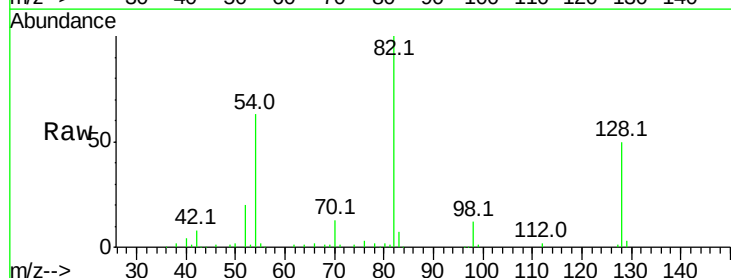


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

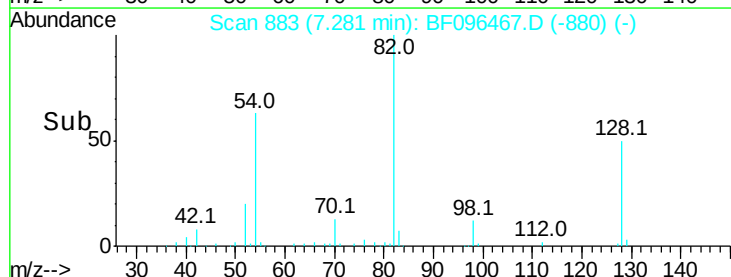
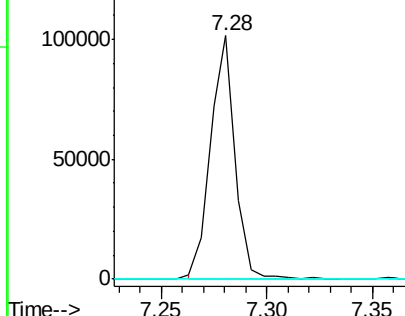


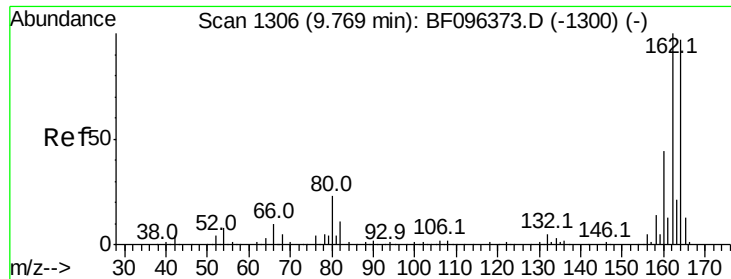
#25
 Isophorone
 Concen: 6.95 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.28 min
 Lab File: BF096467.D
 Acq: 4 Jul 2017 4:36

Tgt Ion: 82 Resp: 81885
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

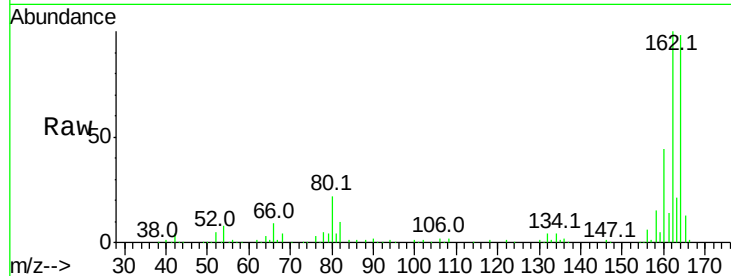




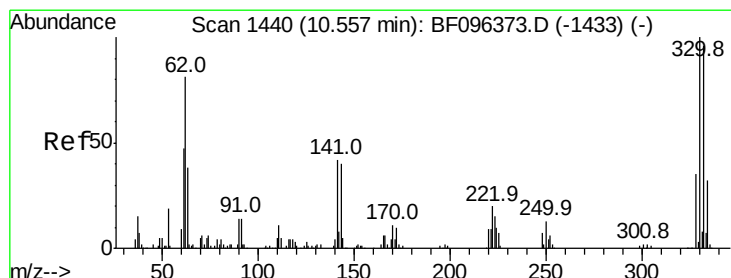
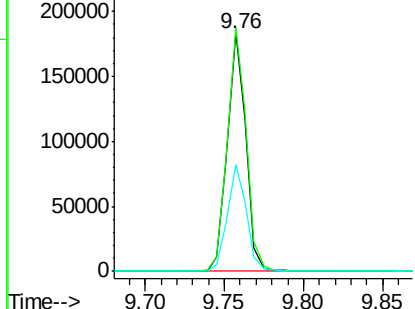
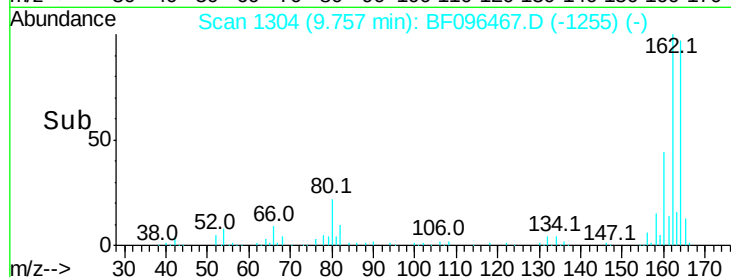
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF096467.D
 Acq: 4 Jul 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 148790
 Ion Ratio Lower Upper
 164 100
 162 102.3 82.6 123.8
 160 45.1 36.2 54.2

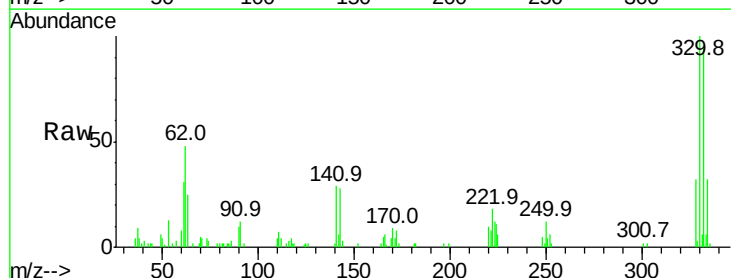


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

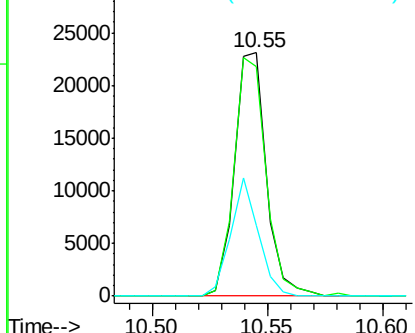
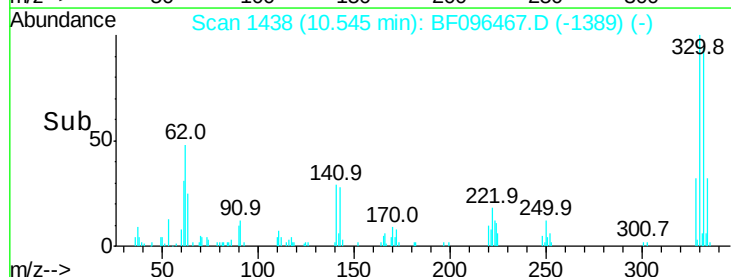


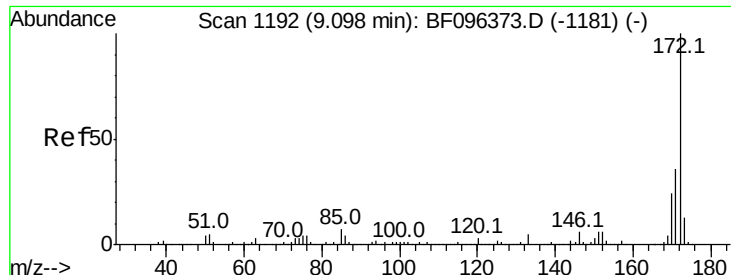
#41
 2,4,6-Tribromophenol
 Concen: 19.13 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF096467.D
 Acq: 4 Jul 2017 4:36

Tgt Ion:330 Resp: 22231
 Ion Ratio Lower Upper
 330 100
 332 99.4 76.6 115.0
 141 42.1 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

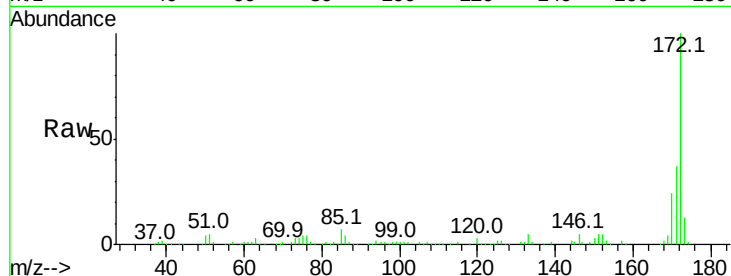




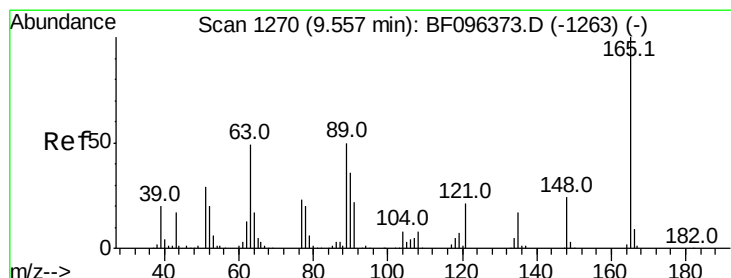
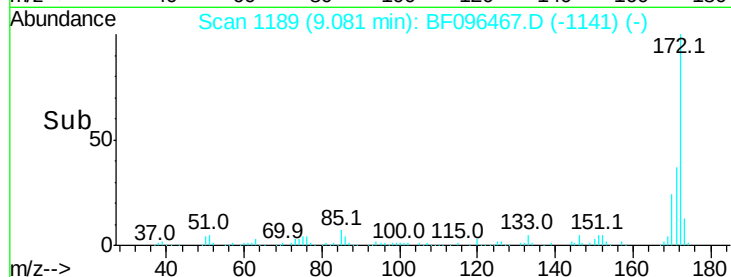
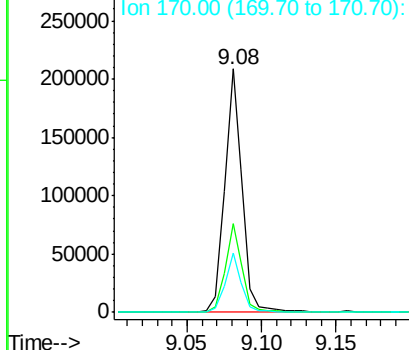
#44
 2-Fluorobiphenyl
 Concen: 19.77 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096467.D
 Acq: 4 Jul 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 172009
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.3 19.8 29.8

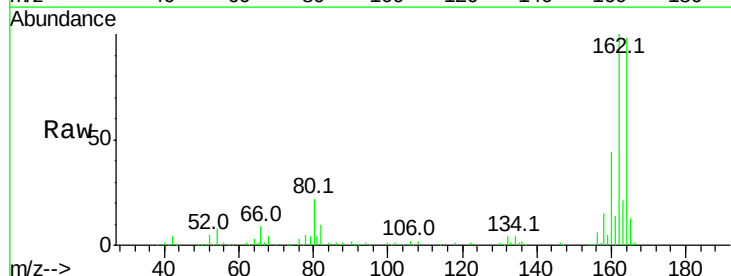


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

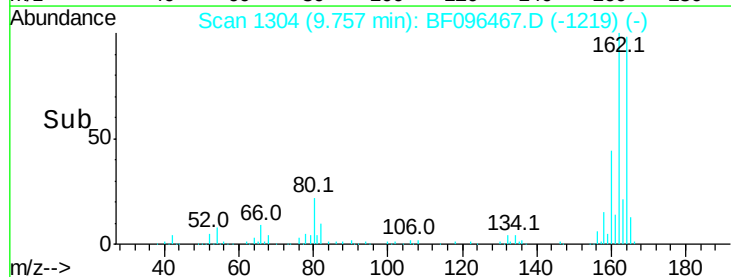
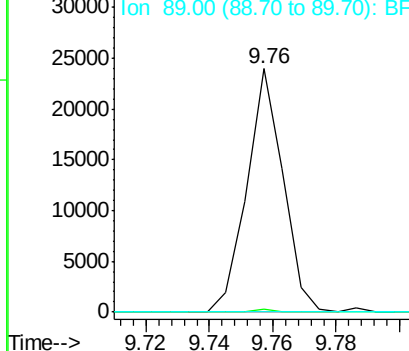


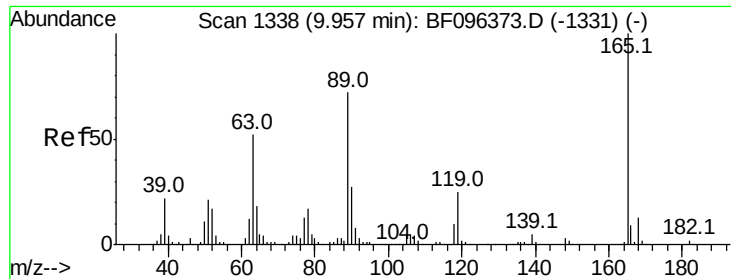
#50
 2,6-Dinitrotoluene
 Concen: 7.72 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.20 min
 Lab File: BF096467.D
 Acq: 4 Jul 2017 4:36

Tgt Ion:165 Resp: 18964
 Ion Ratio Lower Upper
 165 100
 63 1.4 34.3 51.5#
 89 0.0 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

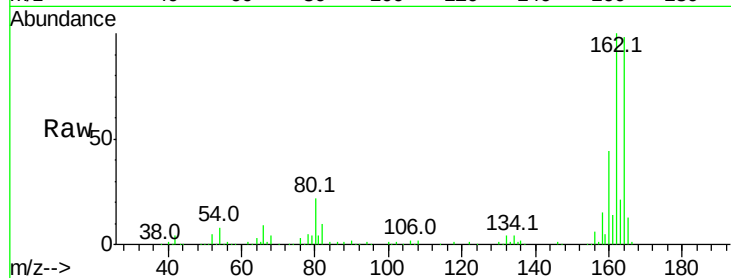




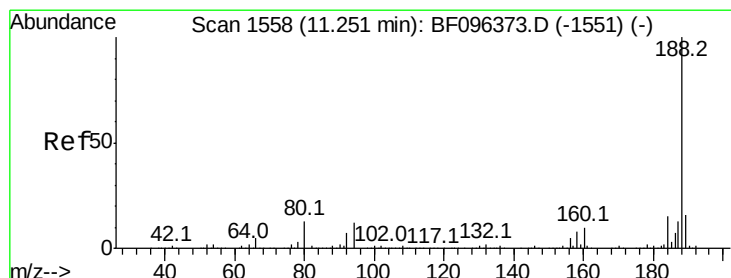
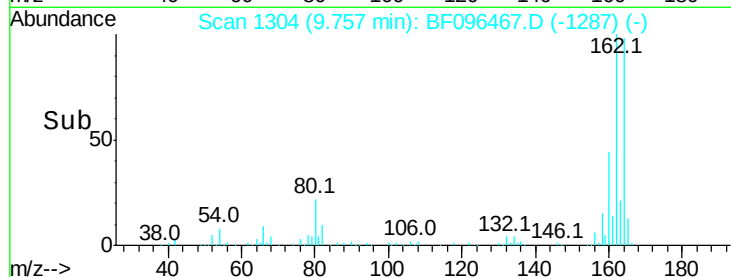
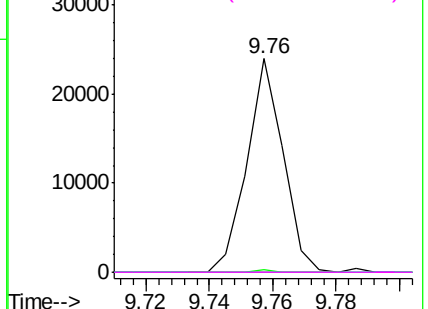
#56
 2,4-Dinitrotoluene
 Concen: 6.10 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF096467.D
 Acq: 4 Jul 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 18964
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#

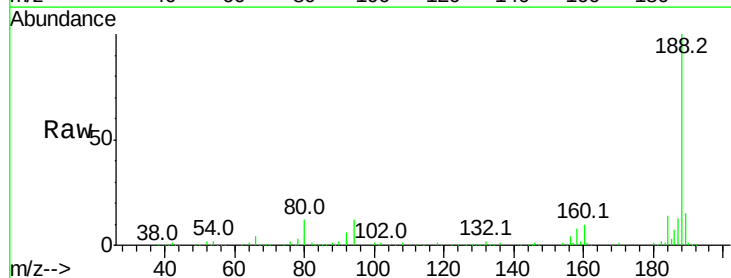


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

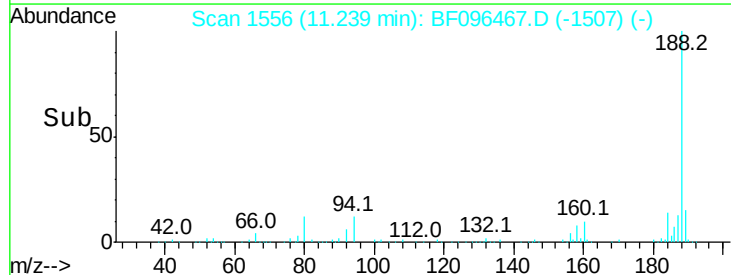
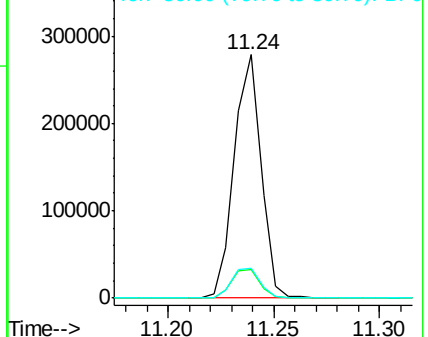


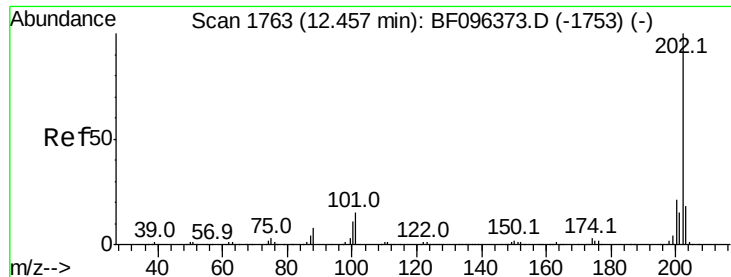
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF096467.D
 Acq: 4 Jul 2017 4:36

Tgt Ion:188 Resp: 244276
 Ion Ratio Lower Upper
 188 100
 94 11.6 9.4 14.2
 80 12.0 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 5.36 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF096467.D

Acq: 4 Jul 2017 4:36

Instrument :

BNA_F

ClientSampleId :

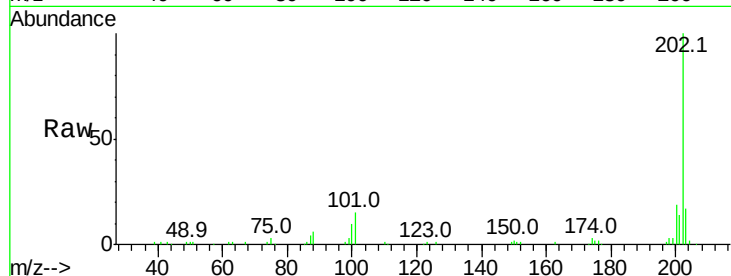
Tot Ion:202 Resp: 69409

Ion Ratio Lower Upper

202 100

101 15.0 0.0 33.2

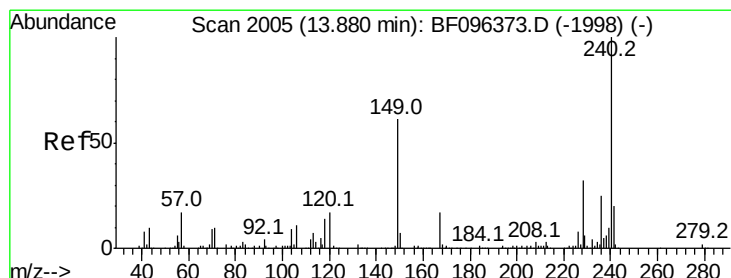
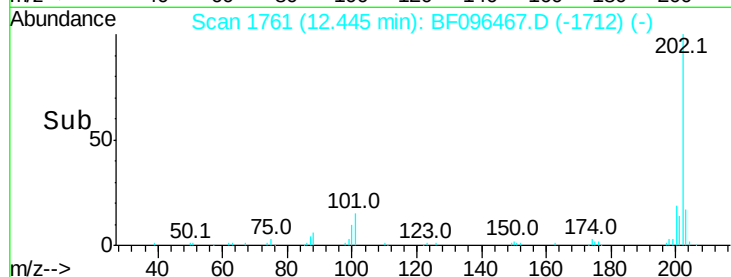
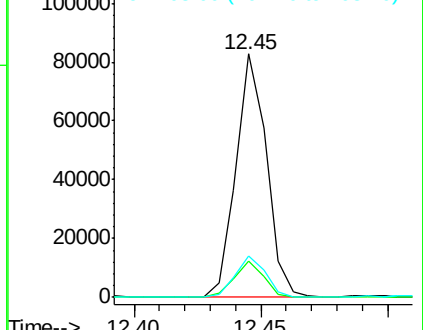
203 17.0 0.0 38.1



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: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096467.D

Acq: 4 Jul 2017 4:36

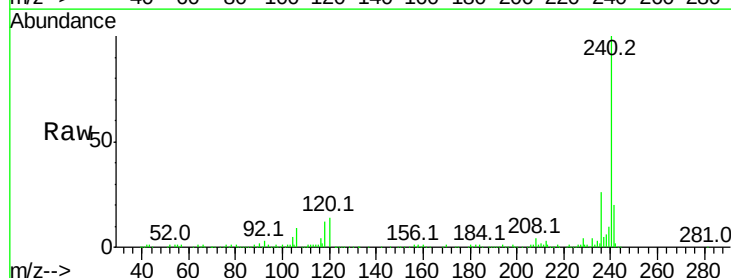
Tgt Ion:240 Resp: 182198

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

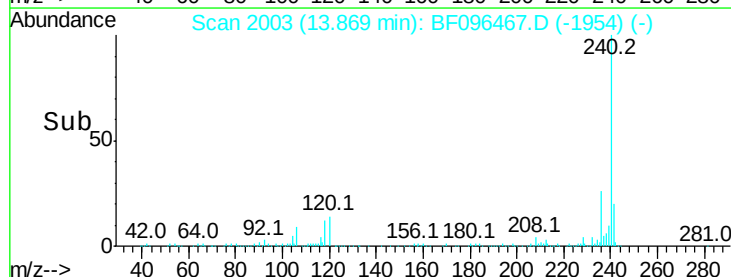
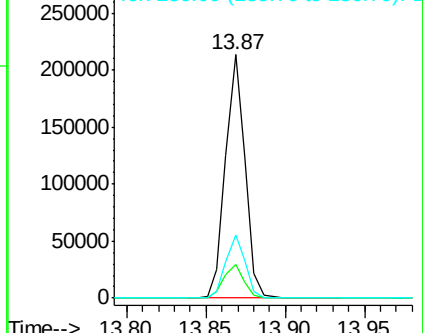
236 25.7 20.5 30.7

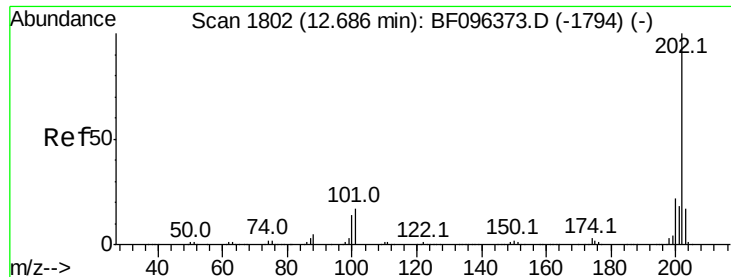


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

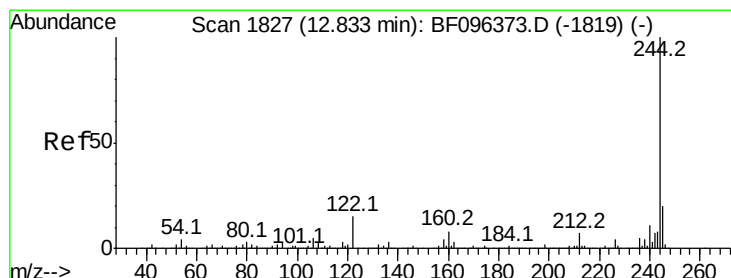
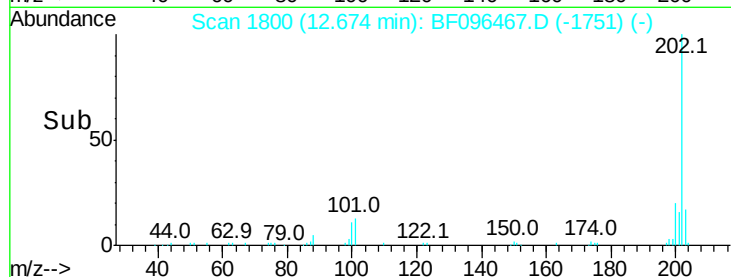
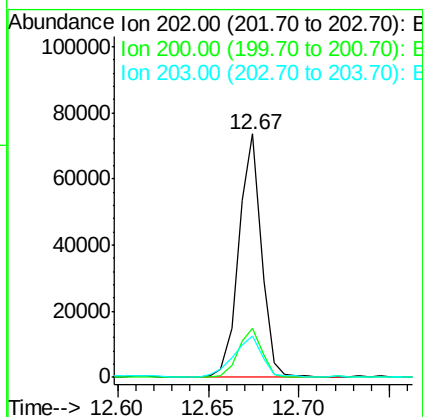
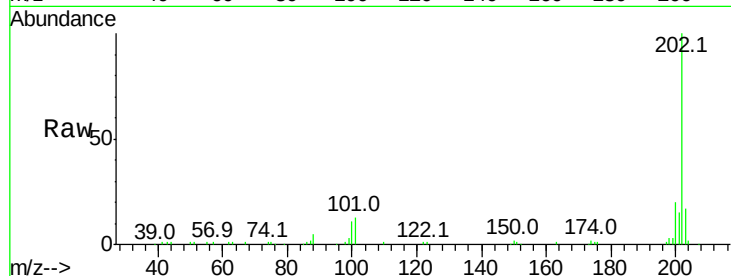




#77
Pvrene
Concen: 4.37 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

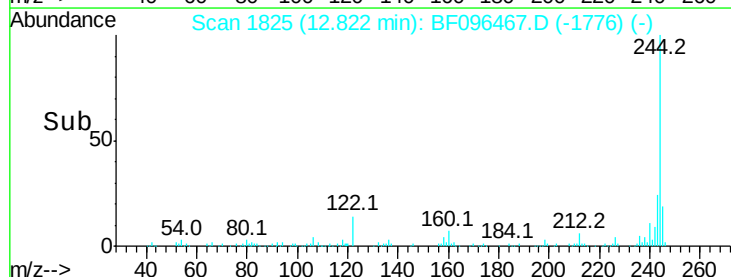
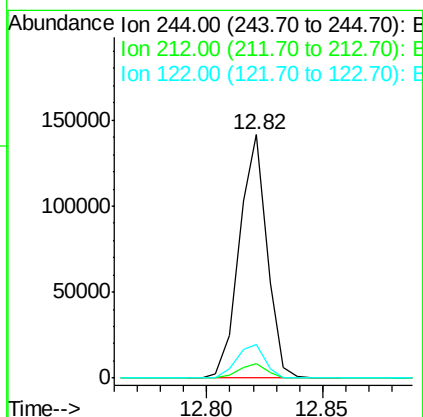
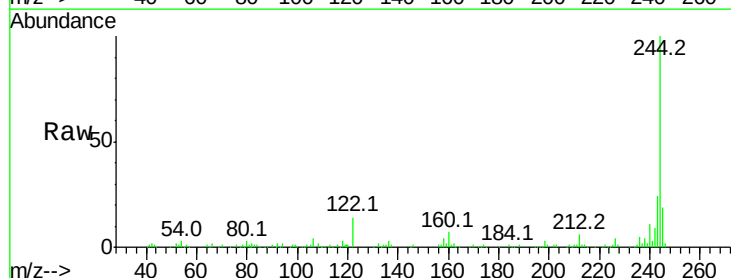
Instrument :
BNA_F
ClientSampleId :

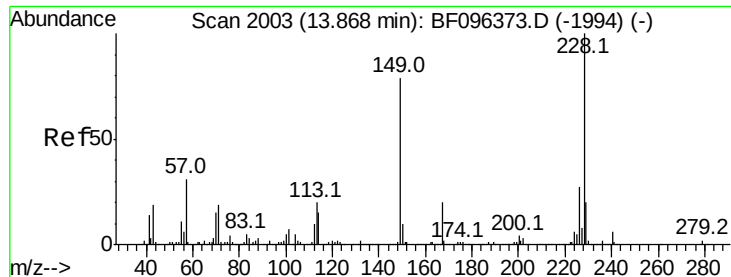
Tot Ion:202 Resp: 63934
Ion Ratio Lower Upper
202 100
200 20.1 17.6 26.4
203 17.0 14.4 21.6



#78
Terphenyl-d14
Concen: 13.84 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:244 Resp: 117985
Ion Ratio Lower Upper
244 100
212 6.0 6.0 9.0#
122 13.7 10.3 15.5

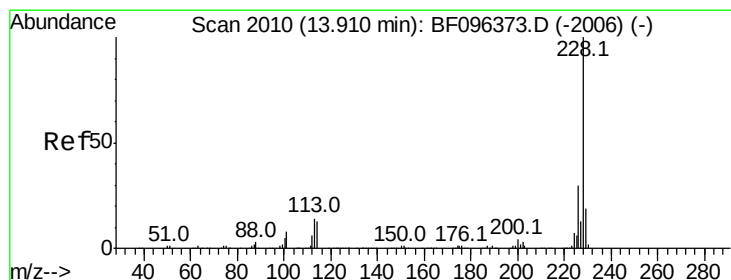
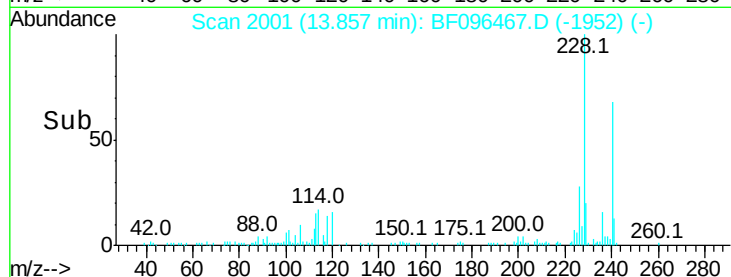
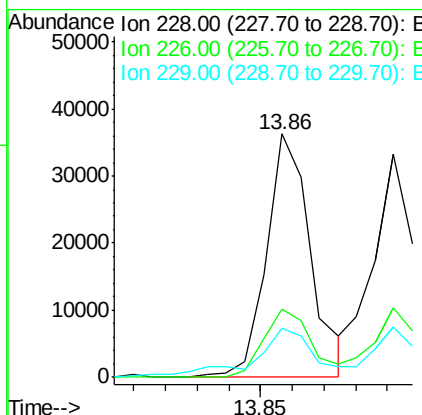
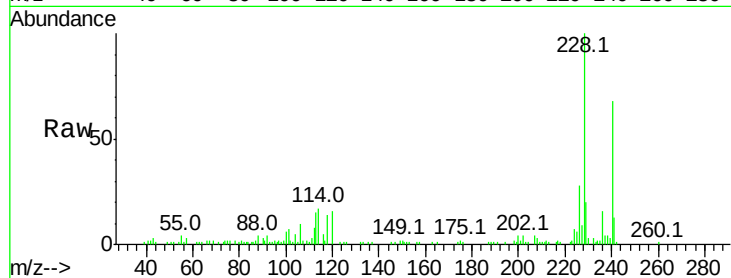




#80
Benzo(a)anthracene
Concen: 3.34 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

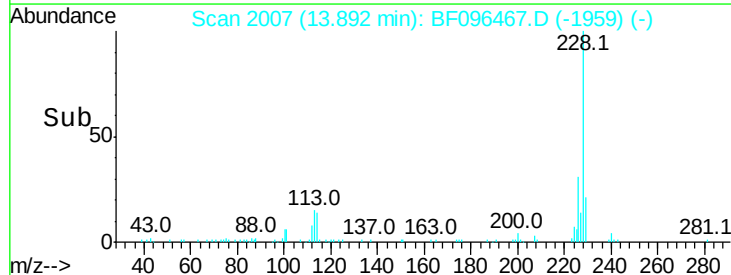
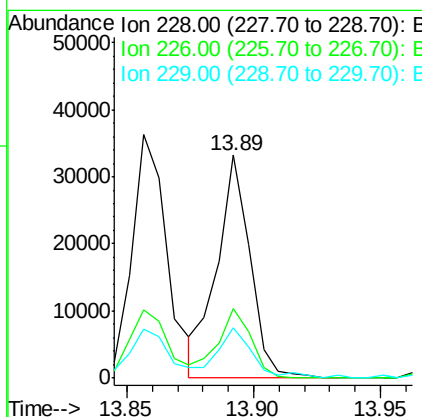
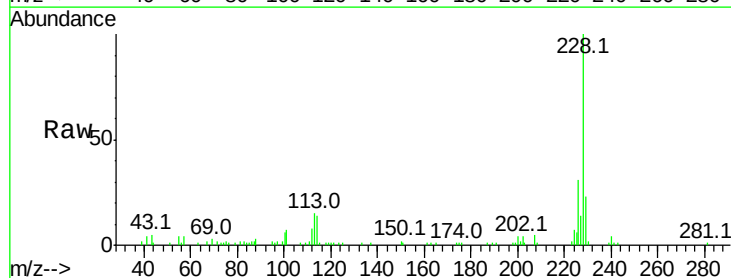
Instrument :
BNA_F
ClientSampled :

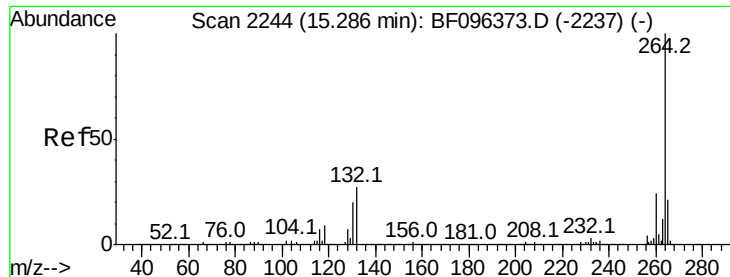
Tot Ion:228 Resp: 35245
Ion Ratio Lower Upper
228 100
226 27.9 22.6 33.8
229 19.9 16.3 24.5



#82
Chrysene
Concen: 2.74 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:228 Resp: 30232
Ion Ratio Lower Upper
228 100
226 31.0 24.9 37.3
229 22.5 15.8 23.6

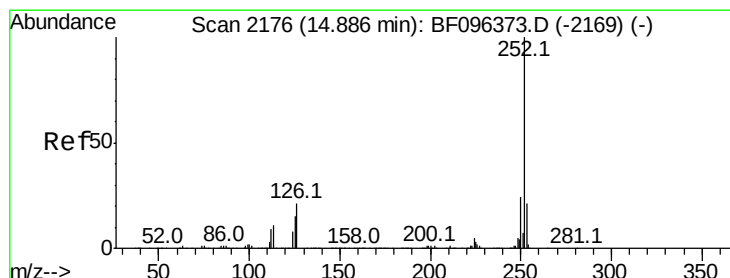
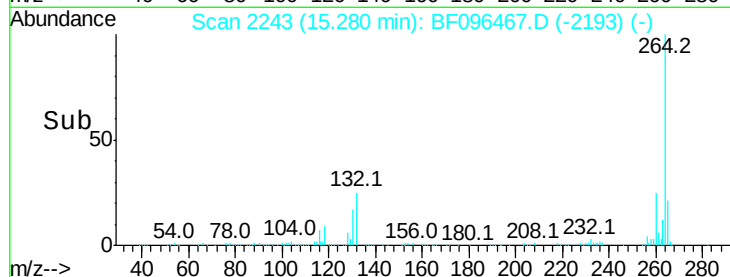
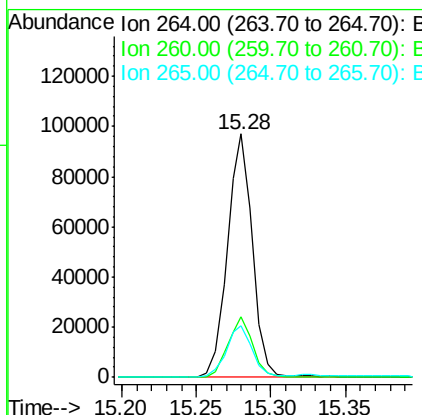
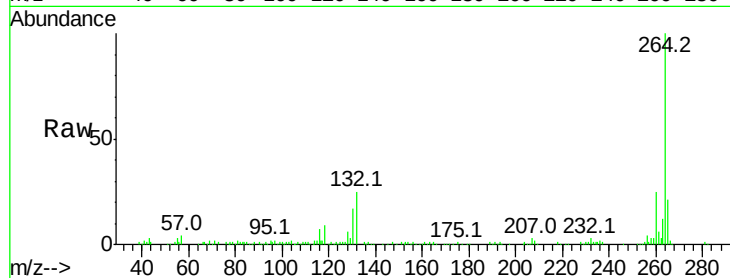




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

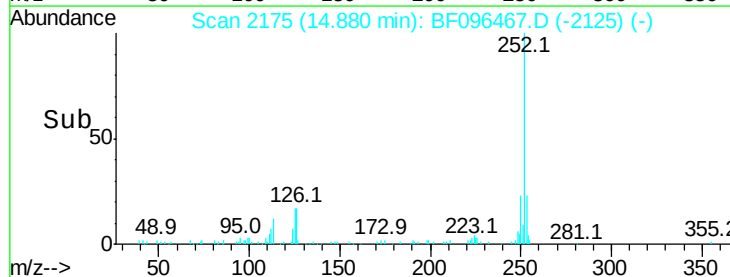
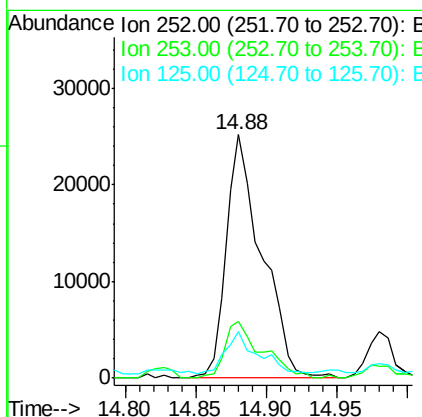
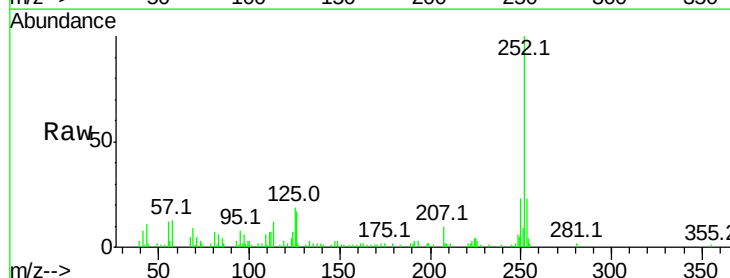
Instrument :
BNA_F
ClientSampleId :

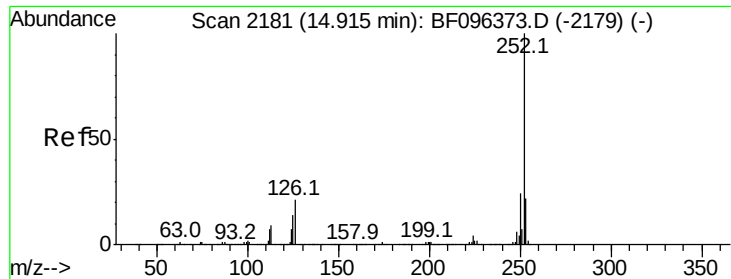
Tot Ion:264 Resp: 114188
Ion Ratio Lower Upper
264 100
260 25.0 19.5 29.3
265 21.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.17 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:252 Resp: 44180
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 18.9 9.8 14.8#

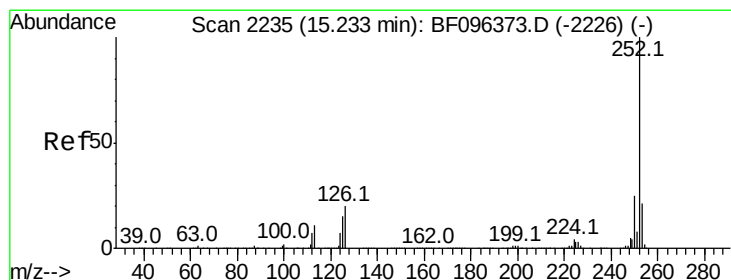
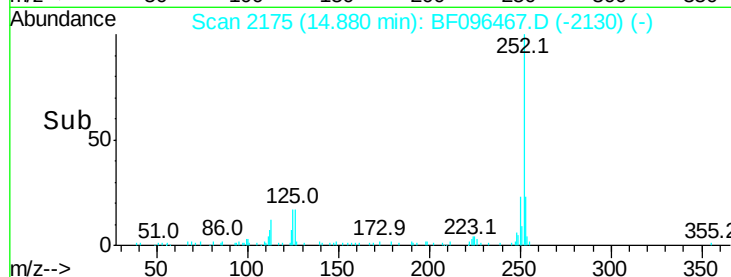
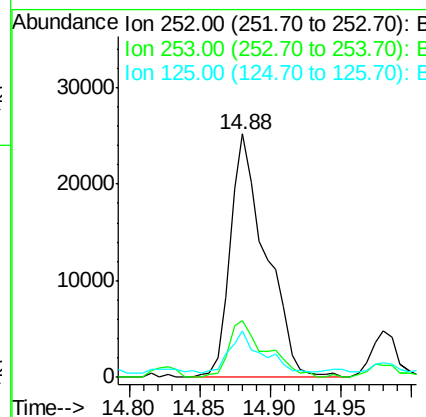
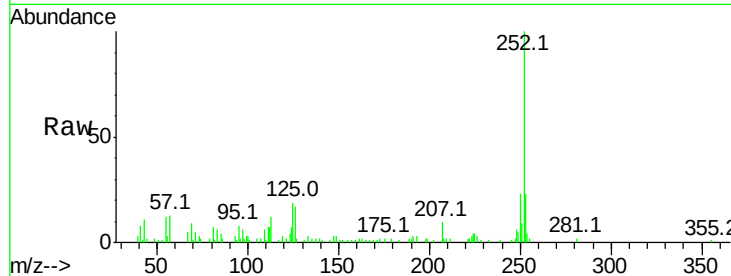




#88
Benzo(k)fluoranthene
Concen: 6.90 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

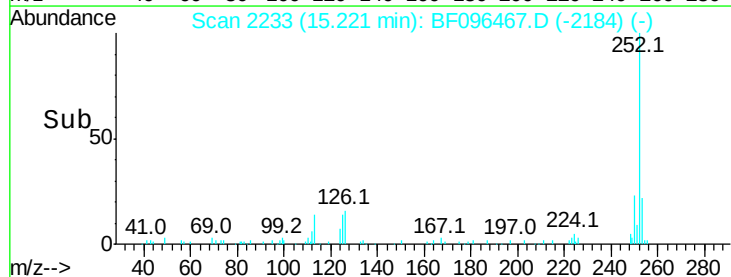
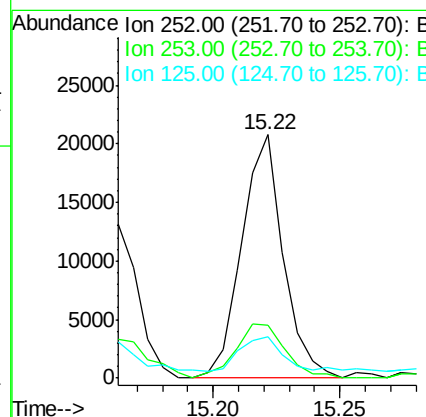
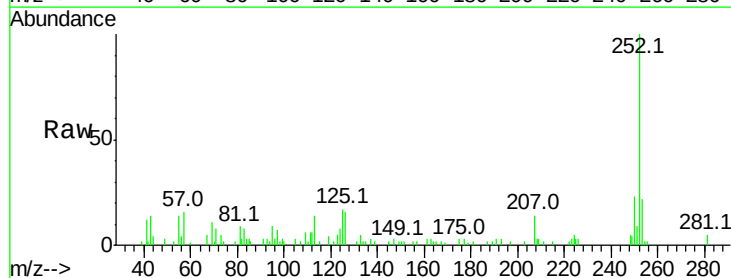
Instrument :
BNA_F
ClientSampleId :

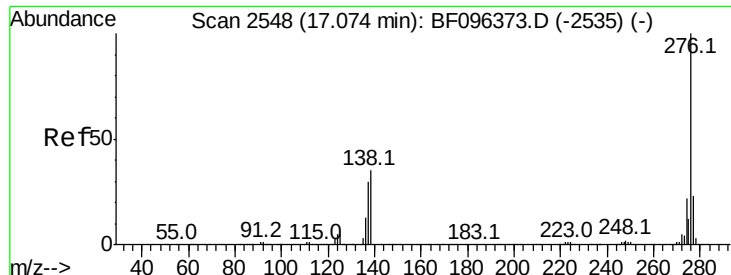
Tot Ion:252 Resp: 44180
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 18.9 13.1 19.7



#89
Benzo(a)pyrene
Concen: 3.71 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:252 Resp: 23686
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 17.2 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.61 ng

RT: 17.05 min Scan# 2544

Delta R.T. -0.02 min

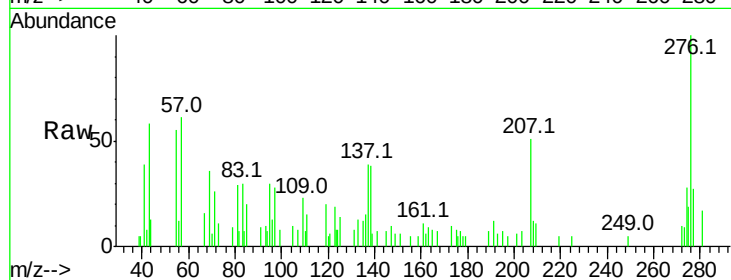
Lab File: BF096467.D

Acq: 4 Jul 2017 4:36

Instrument :

BNA_F

ClientSampleId :



Tot Ion:276 Resp: 13577

Ion Ratio Lower Upper

276 100

277 27.3 18.6 28.0

138 38.1 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

