

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
 Data File : BF096446.D
 Acq On : 3 Jul 2017 17:34
 Operator : SJ/MA
 Sample : I3950-02RE 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 01:13:47 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	6.72	152	109602	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	463440	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	165300	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	236145	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	205875	20.00	ng	-0.01
86) Perylene-d12	15.29	264	126329	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	401752	54.10	ng	-0.02
7) Phenol-d6	6.36	99	426924	46.77	ng	-0.02
23) Nitrobenzene-d5	7.28	82	245666	31.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	63673	49.31	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	441109	45.63	ng	-0.02
78) Terphenyl-d14	12.82	244	300004	31.14	ng	-0.01

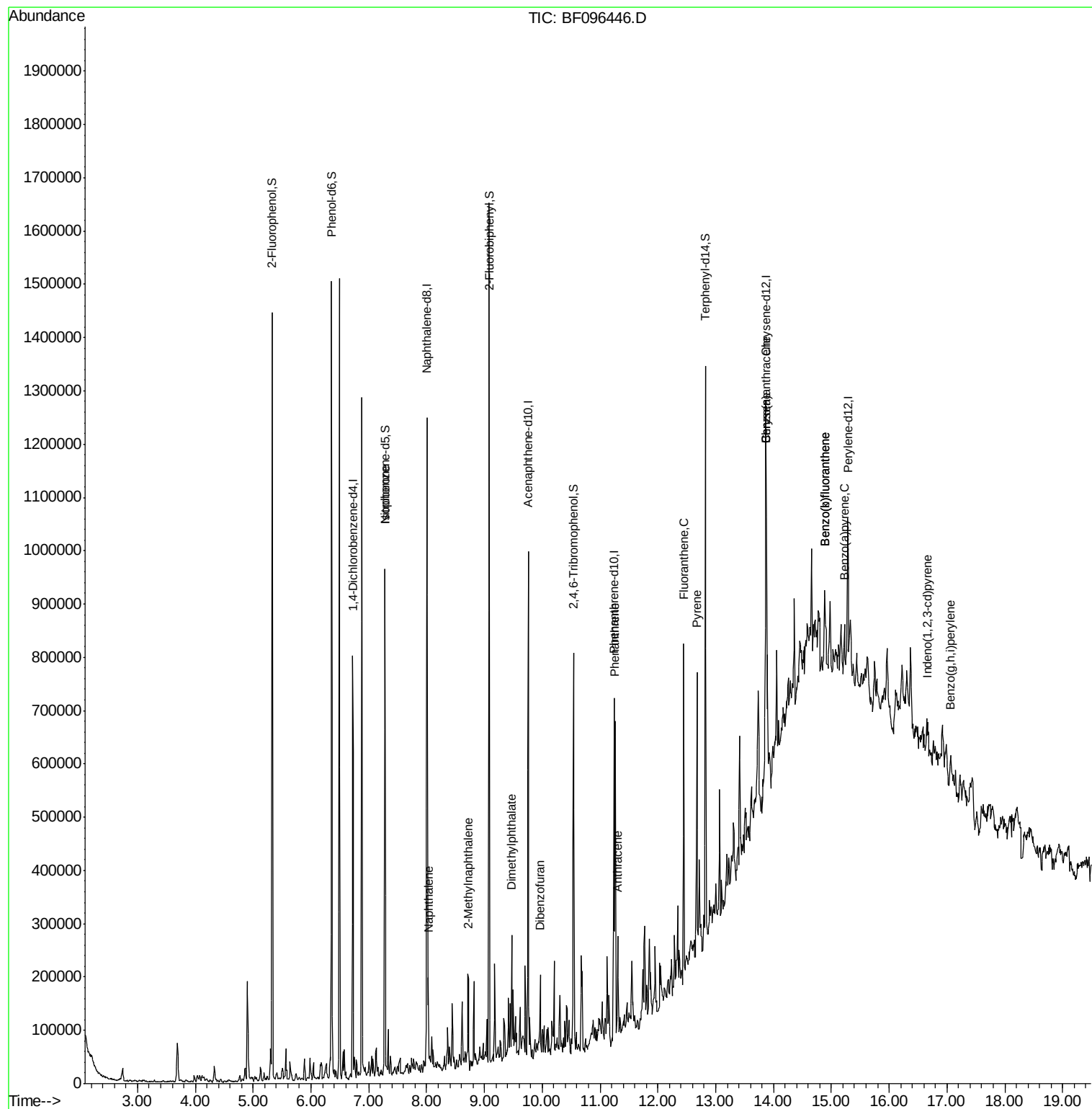
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.28	82	242947	16.25	ng	# 67
31) Naphthalene	8.03	128	60611	2.77	ng	98
37) 2-Methylnaphthalene	8.72	142	46466	3.34	ng	98
49) Dimethylphthalate	9.47	163	71557	5.80	ng	# 99
54) Dibenzofuran	9.96	168	27375	2.01	ng	# 94
70) Phenanthrene	11.26	178	224364	17.58	ng	97
71) Anthracene	11.31	178	58911	4.53	ng	98
74) Fluoranthene	12.45	202	233556	18.66	ng	98
77) Pyrene	12.67	202	214687	12.99	ng	99
80) Benzo(a)anthracene	13.86	228	83668	7.02	ng	94
82) Chrysene	13.86	228	83668	6.70	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	28955	2.94	ng	95
87) Benzo(b)fluoranthene	14.88	252	97182	12.28	ng	# 83
88) Benzo(k)fluoranthene	14.88	252	97182	13.72	ng	# 87
89) Benzo(a)pyrene	15.23	252	42991	6.08	ng	# 82
91) Benzo(g,h,i)perylene	17.07	276	28217	4.90	ng	# 87

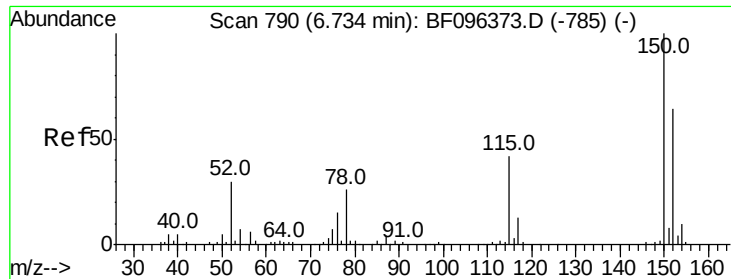
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
Data File : BF096446.D
Acq On : 3 Jul 2017 17:34
Operator : SJ/MA
Sample : I3950-02RE 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 04 01:13:47 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



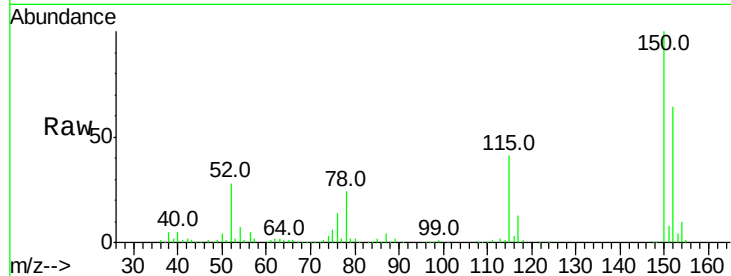


#1

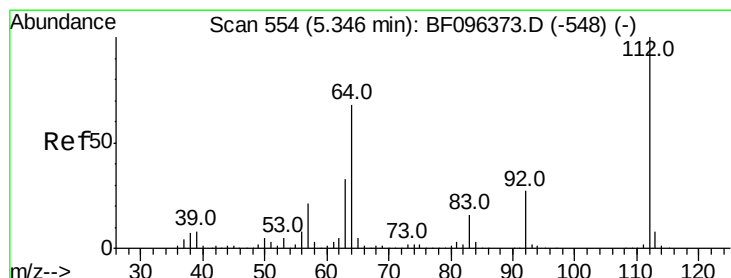
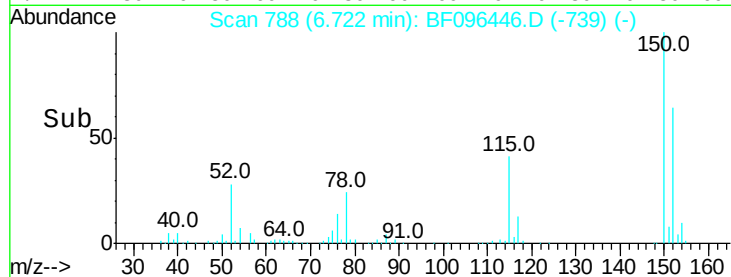
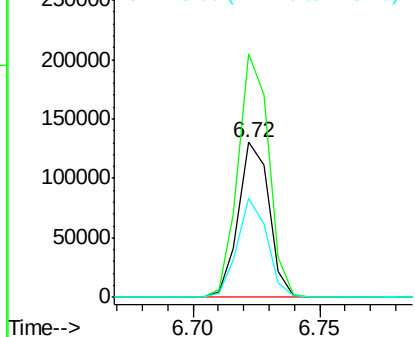
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 109602
Ion Ratio Lower Upper
152 100
150 157.1 126.2 189.2
115 63.9 52.2 78.2



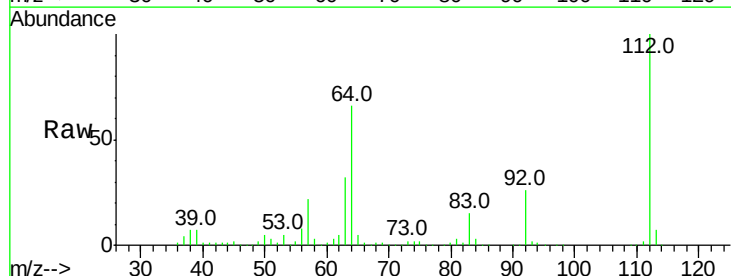
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



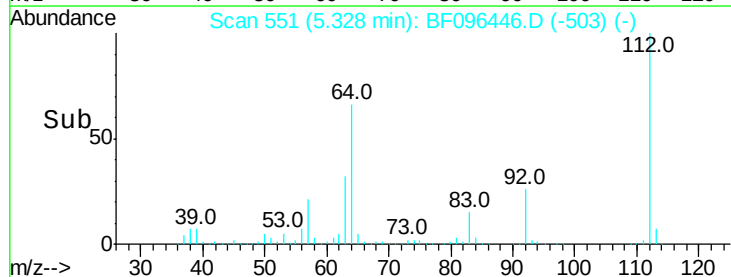
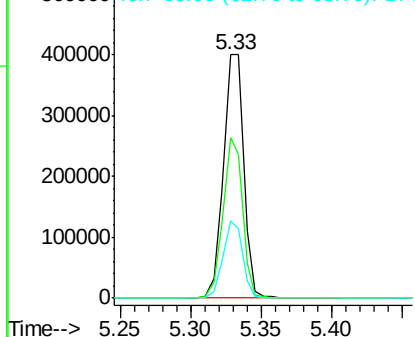
#5

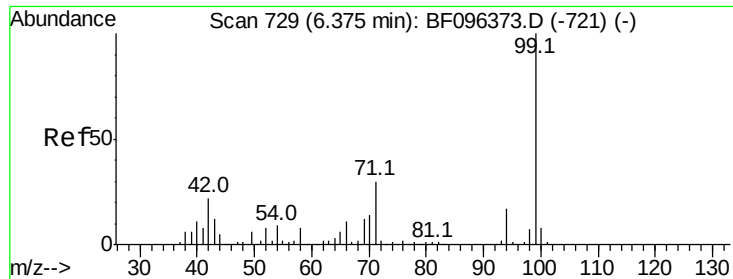
2-Fluorophenol
Concen: 54.10 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Tgt Ion:112 Resp: 401752
Ion Ratio Lower Upper
112 100
64 66.0 46.0 69.0
63 31.9 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: 46.77 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

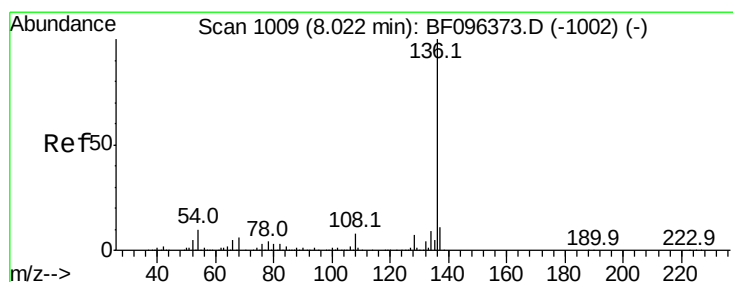
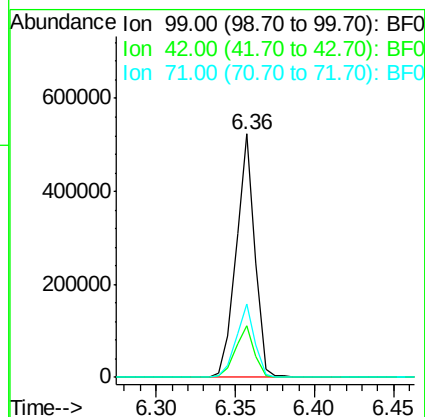
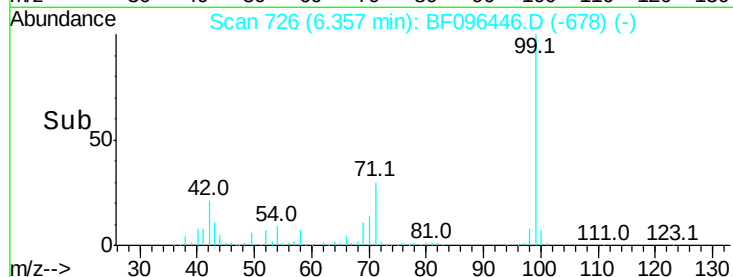
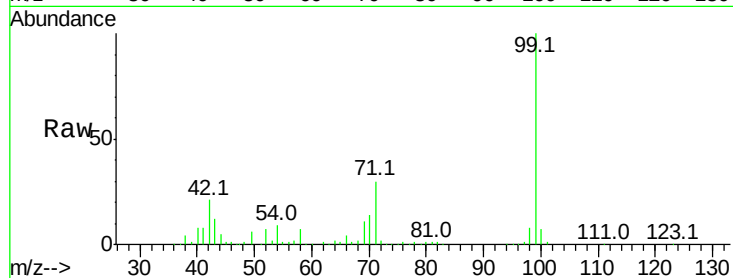
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 426924

Ion	Ratio	Lower	Upper
99	100		
42	21.3	13.5	20.3#
71	30.4	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 1006

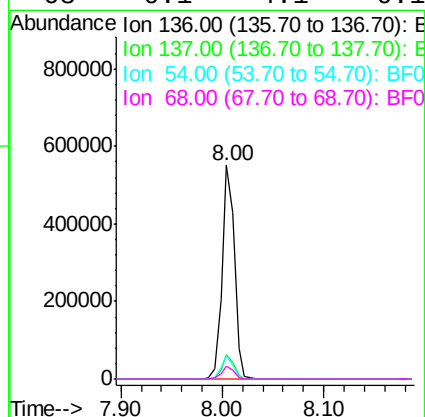
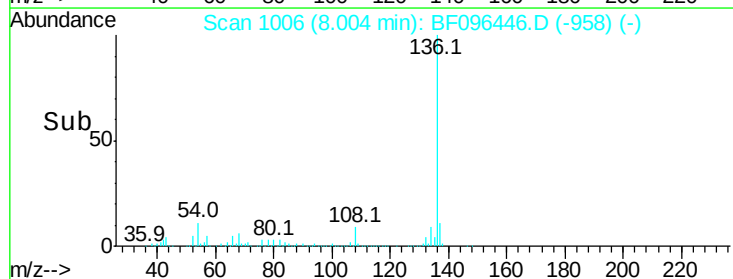
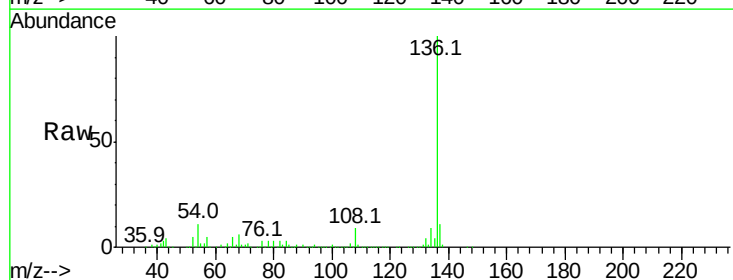
Delta R.T. -0.02 min

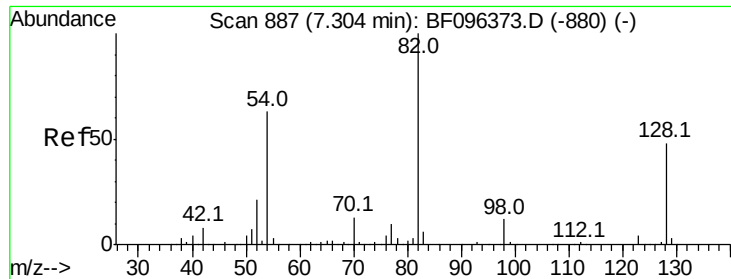
Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Tgt Ion: 136 Resp: 463440

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.0	4.9	7.3#
68	6.1	4.1	6.1

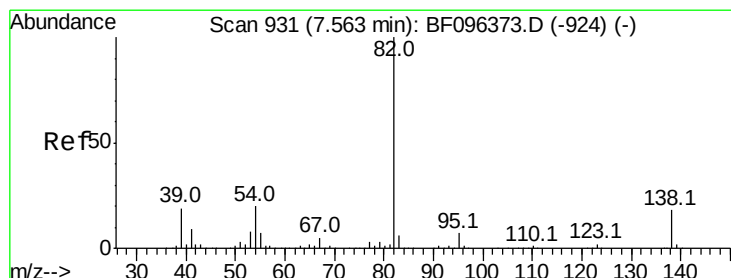
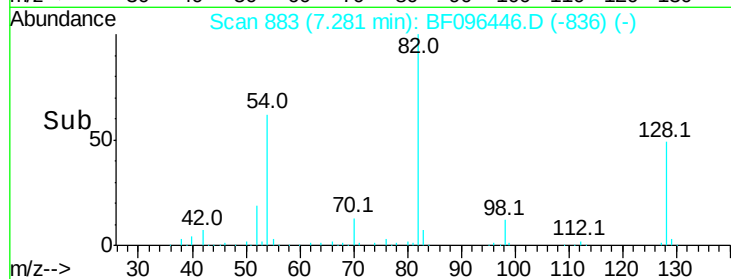
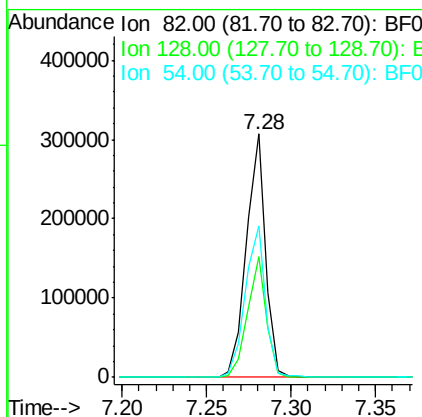
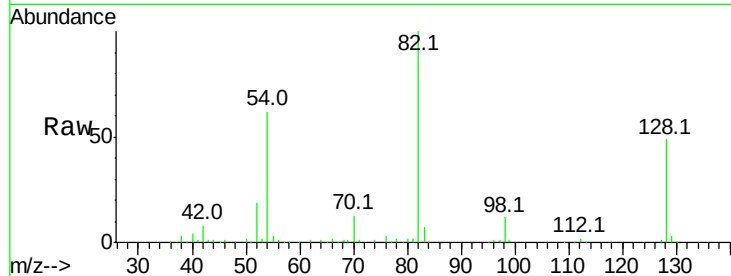




#23
 Nitrobenzene-d5
 Concen: 31.85 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF096446.D
 Acq: 3 Jul 2017 17:34

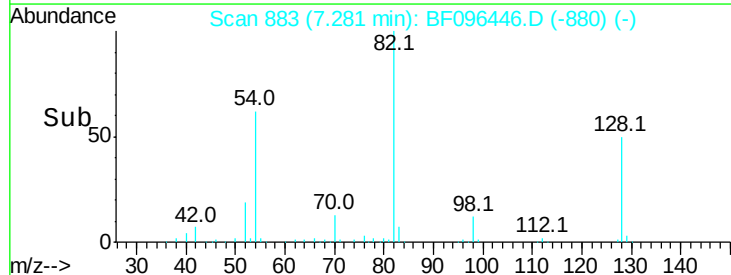
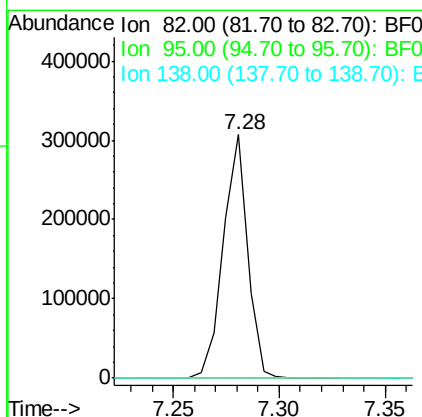
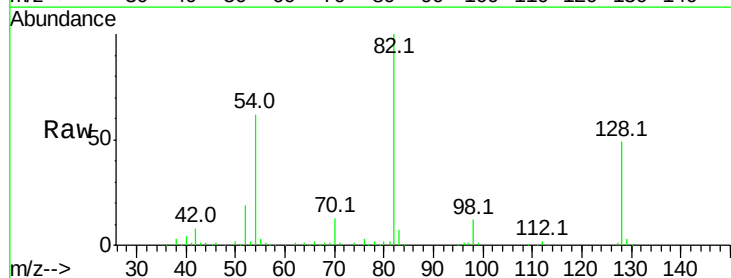
Instrument :
 BNA_F
 ClientSampleId :

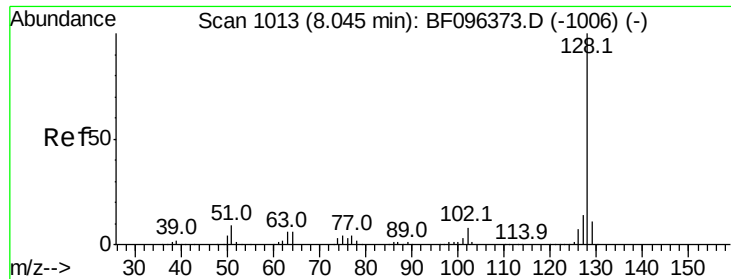
Tot Ion	82	Resp	245666
Ion Ratio	100	Lower	Upper
128	49.4	34.0	51.0
54	62.4	42.2	63.2



#25
 Isophorone
 Concen: 16.25 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.28 min
 Lab File: BF096446.D
 Acq: 3 Jul 2017 17:34

Tgt Ion	82	Resp	242947
Ion Ratio	100	Lower	Upper
95	0.3	5.3	7.9#
138	0.0	13.1	19.7#

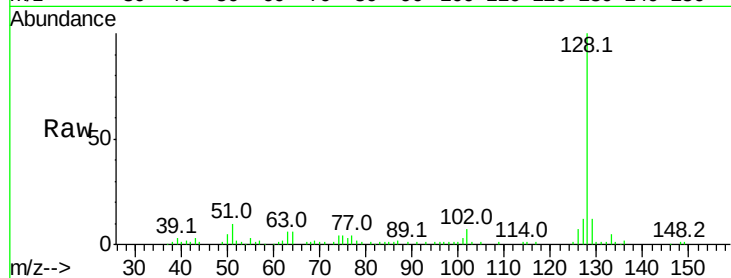




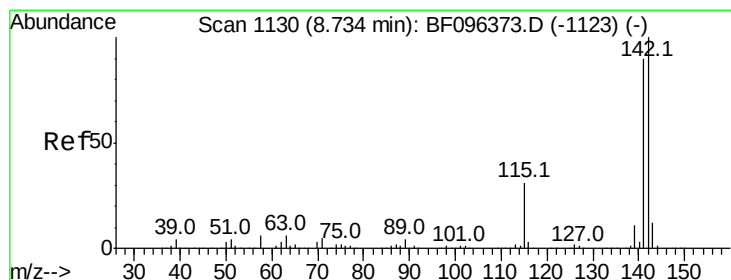
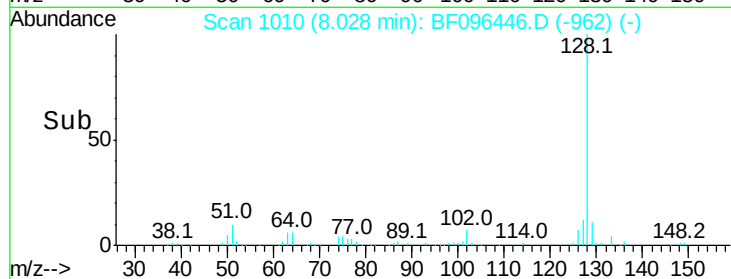
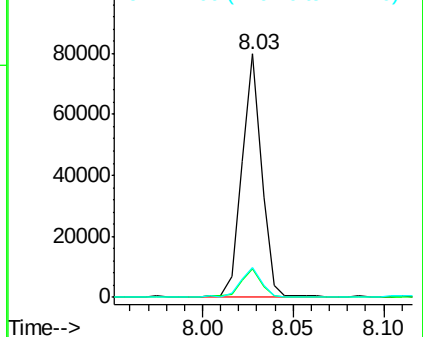
#31
Naphthalene
Concen: 2.77 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 60611
Ion Ratio Lower Upper
128 100
129 11.9 9.0 13.6
127 12.3 10.8 16.2

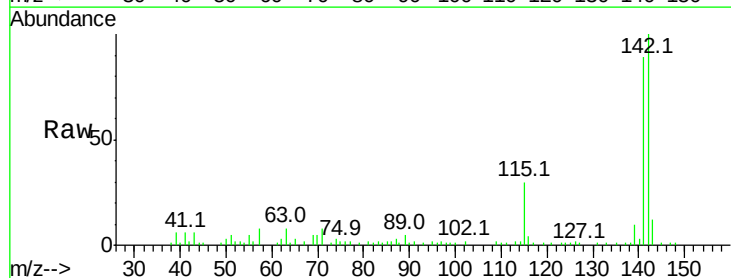


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

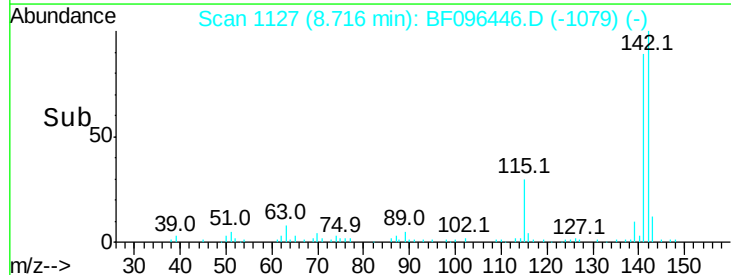
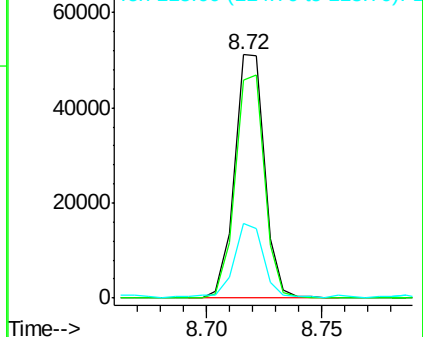


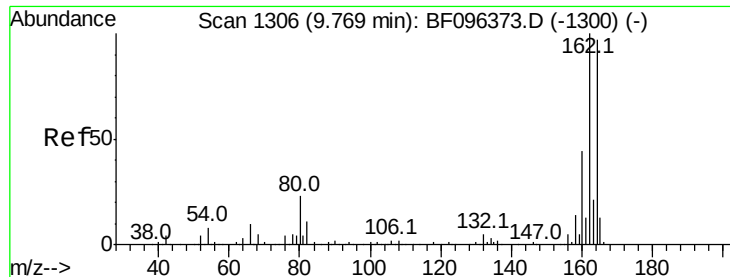
#37
2-Methylnaphthalene
Concen: 3.34 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Tgt Ion:142 Resp: 46466
Ion Ratio Lower Upper
142 100
141 89.5 71.3 106.9
115 30.5 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA_F

ClientSampleId :

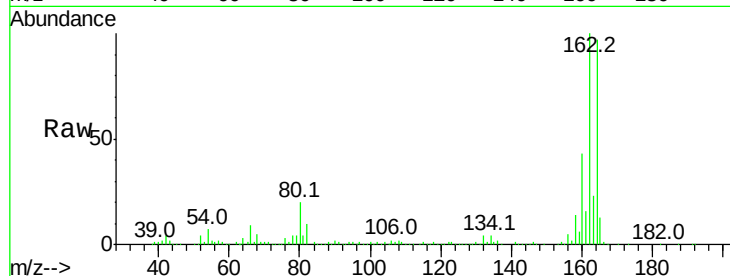
Tot Ion:164 Resp: 165300

Ion Ratio Lower Upper

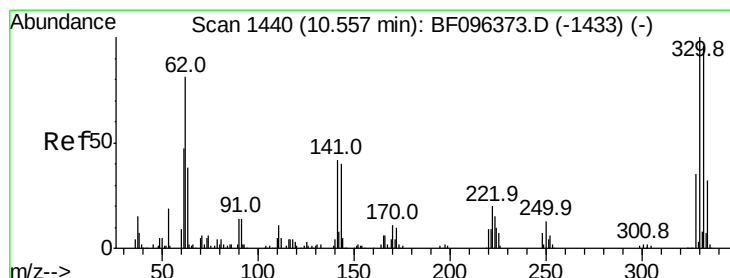
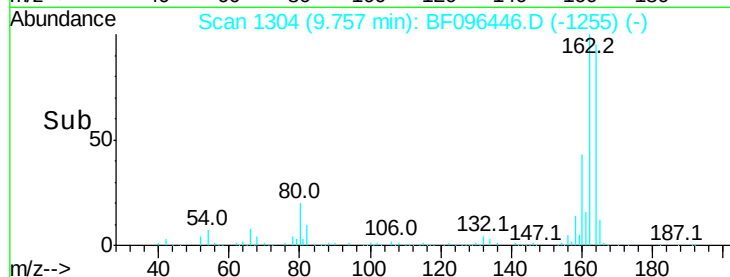
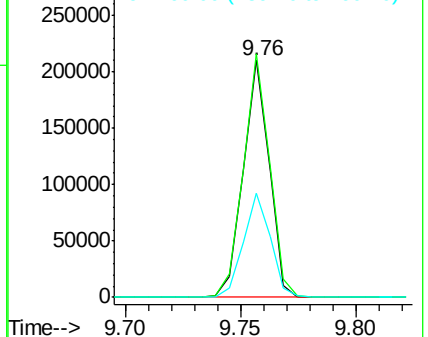
164 100

162 102.7 82.6 123.8

160 44.1 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: 49.31 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.02 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

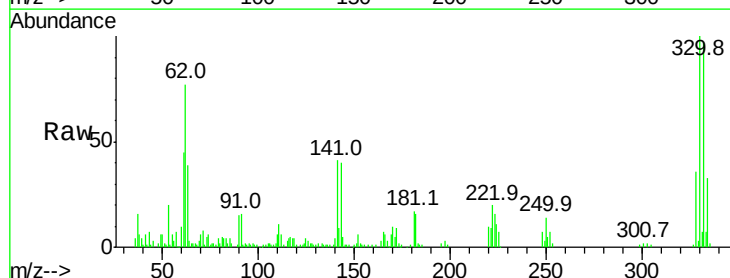
Tgt Ion:330 Resp: 63673

Ion Ratio Lower Upper

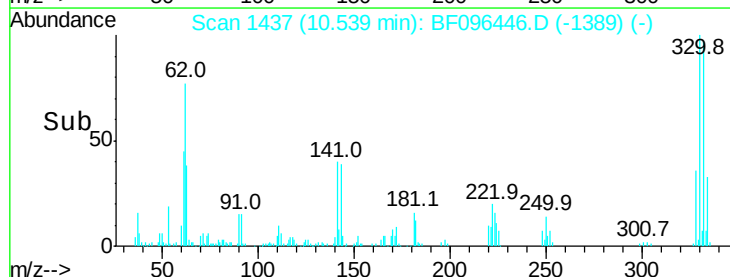
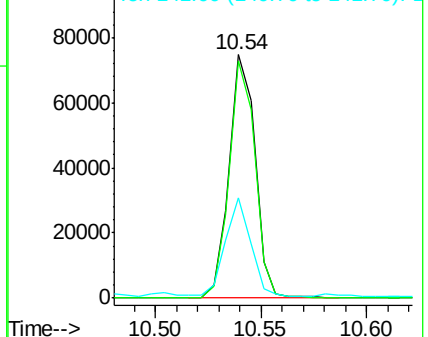
330 100

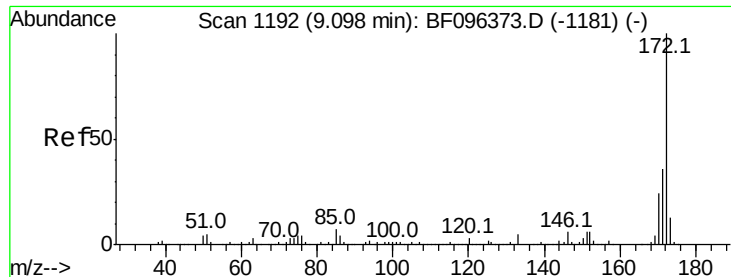
332 96.1 76.6 115.0

141 39.2 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

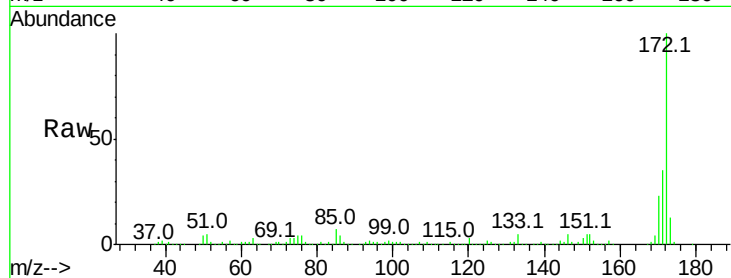




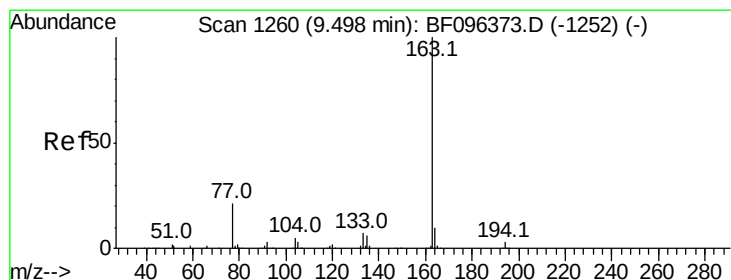
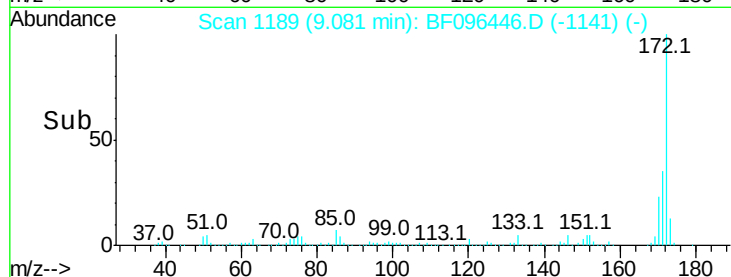
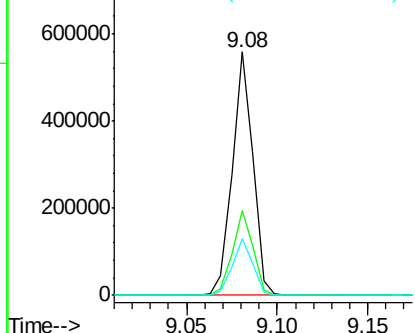
#44
 2-Fluorobiphenyl
 Concen: 45.63 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096446.D
 Acq: 3 Jul 2017 17:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 441109
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.6 44.4
 170 23.5 19.8 29.8

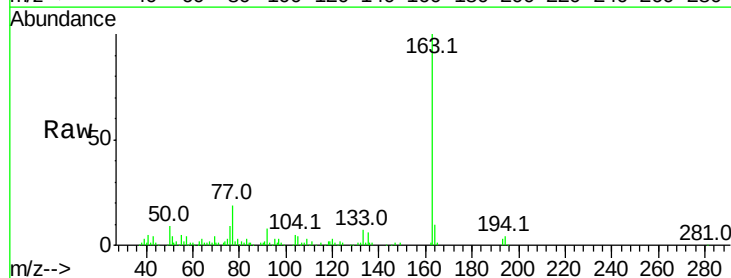


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

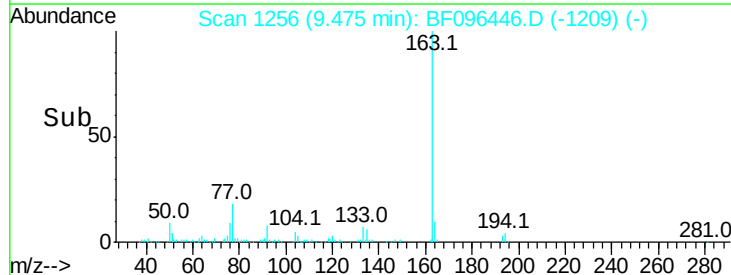
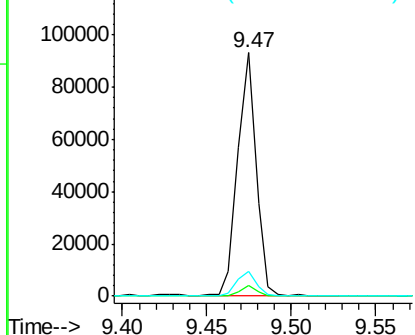


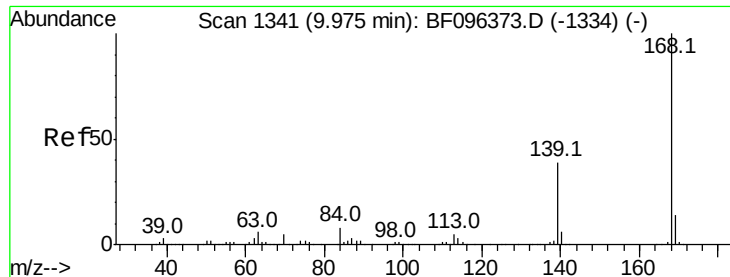
#49
 Dimethylphthalate
 Concen: 5.80 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: BF096446.D
 Acq: 3 Jul 2017 17:34

Tgt Ion:163 Resp: 71557
 Ion Ratio Lower Upper
 163 100
 194 4.4 2.6 4.0#
 164 10.2 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

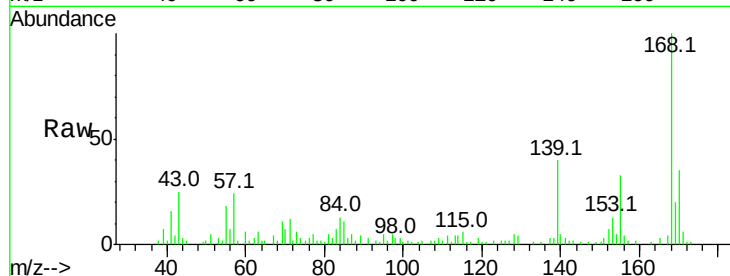




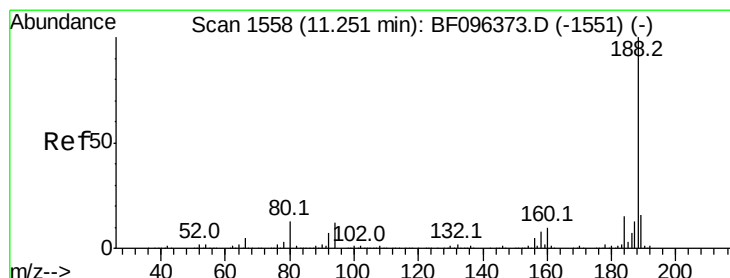
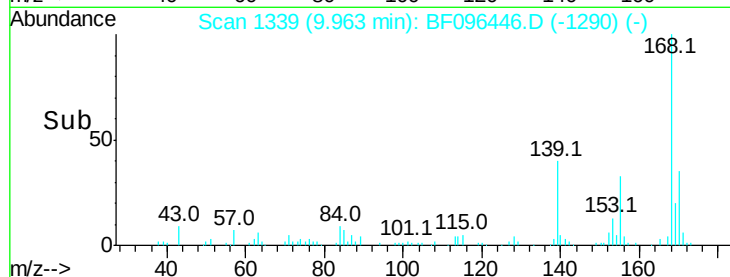
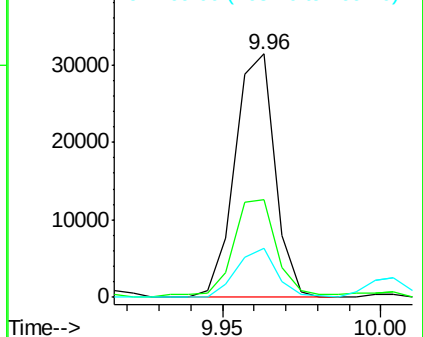
#54
Dibenzenofuran
Concen: 2.01 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 27375
Ion Ratio Lower Upper
168 100
139 39.9 30.6 45.8
169 19.9 10.8 16.2#

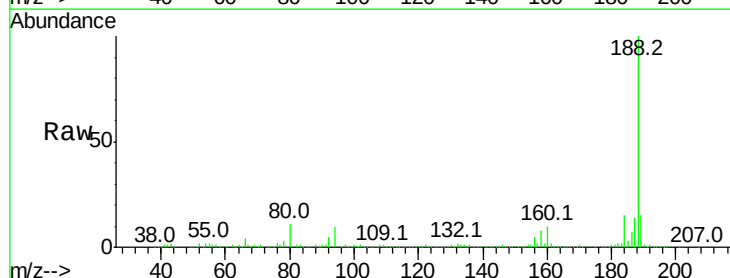


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

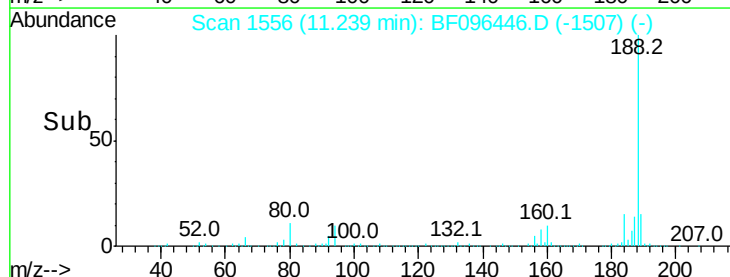
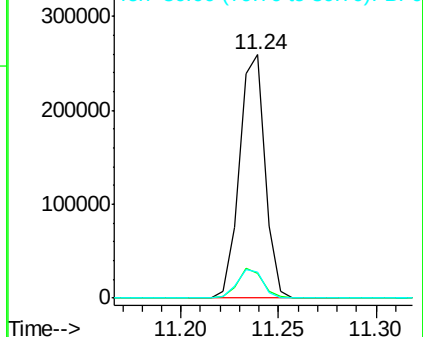


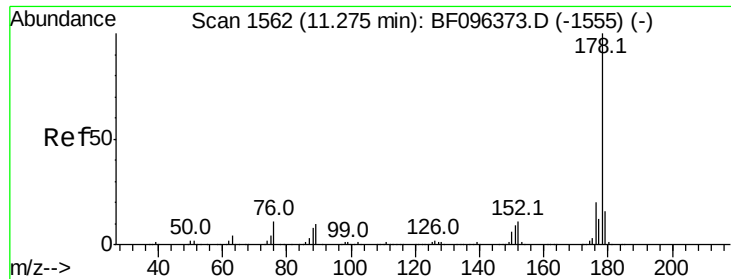
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Tgt Ion:188 Resp: 236145
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 10.8 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

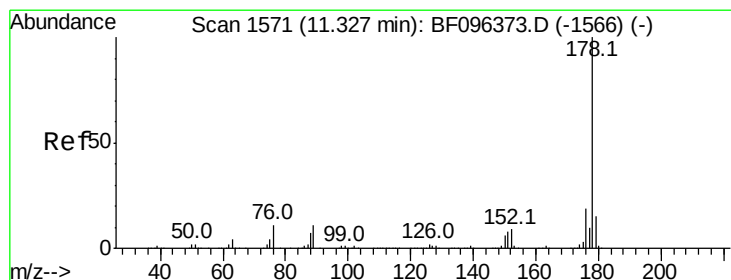
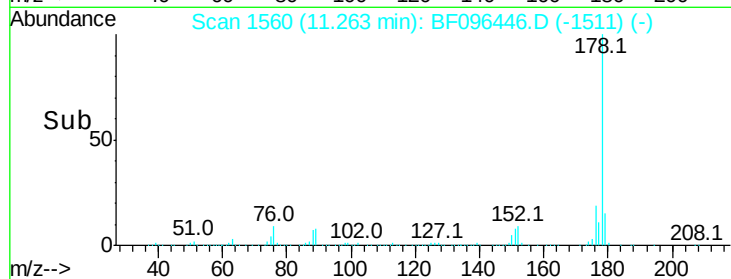
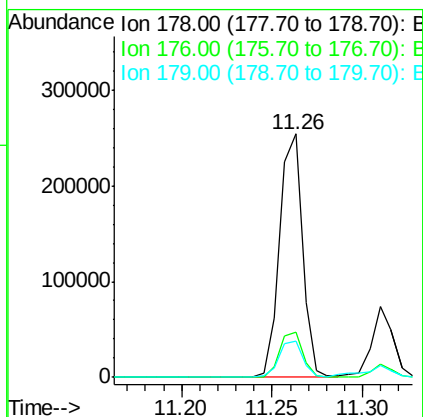
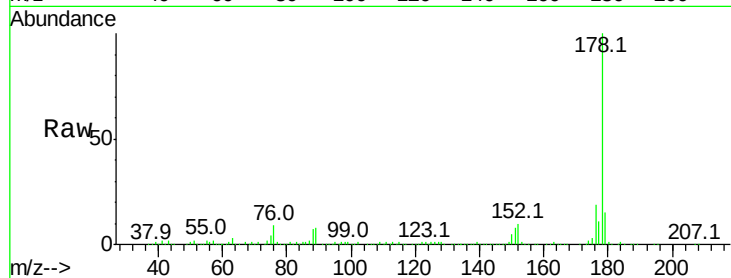




#70
Phenanthrene
Concen: 17.58 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

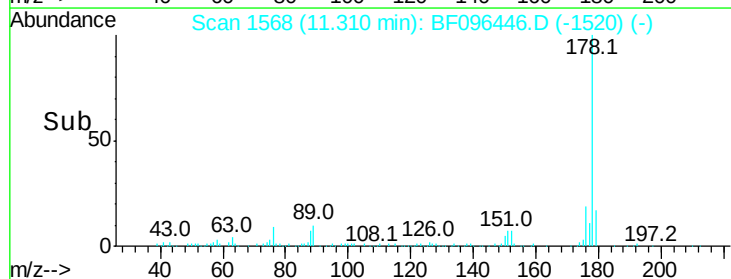
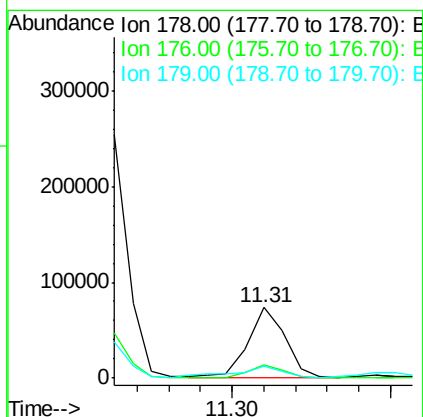
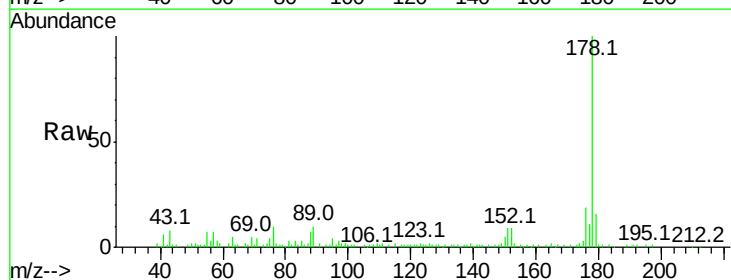
Instrument :
BNA_F
ClientSampleId :

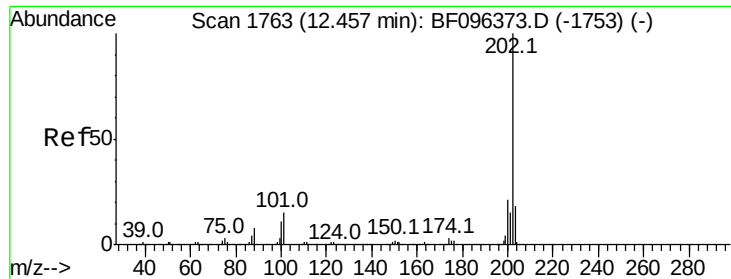
Tot Ion:178 Resp: 224364
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 15.1 12.6 19.0



#71
Anthracene
Concen: 4.53 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Tgt Ion:178 Resp: 58911
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 16.5 12.7 19.1





#74

Fluoranthene

Concen: 18.66 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA_F

ClientSampleId :

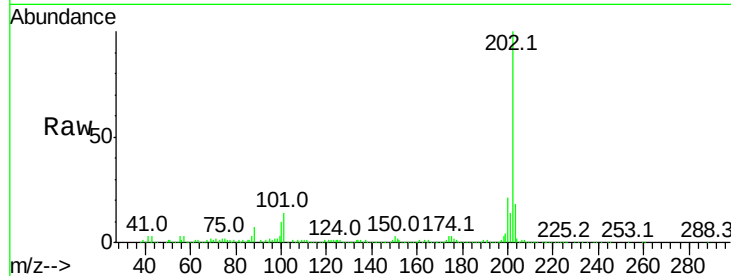
Tot Ion:202 Resp: 233556

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.2

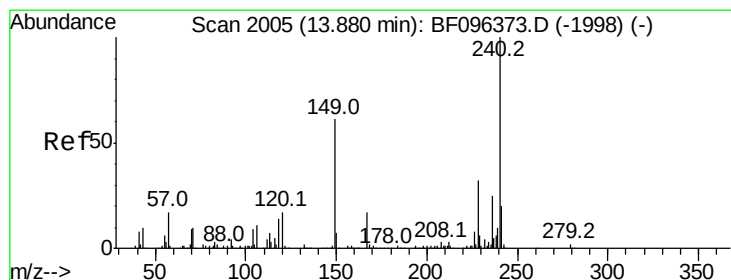
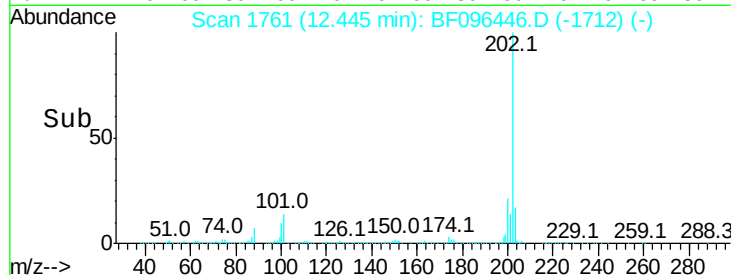
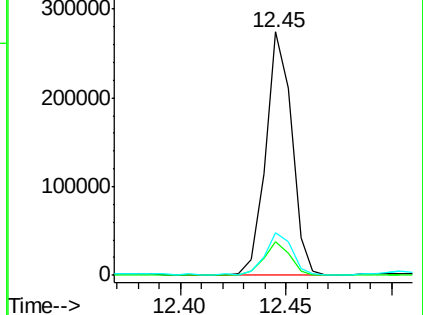
203 17.6 0.0 38.1



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: BF096446.D

Acq: 3 Jul 2017 17:34

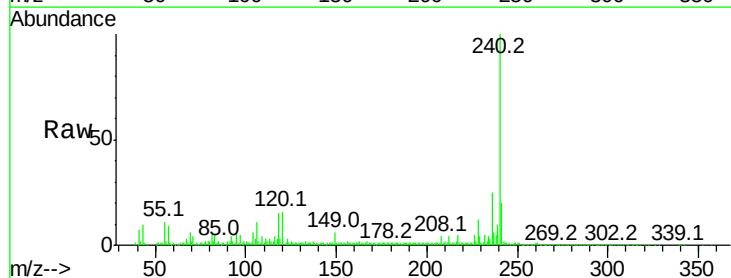
Tgt Ion:240 Resp: 205875

Ion Ratio Lower Upper

240 100

120 16.2 5.8 8.8#

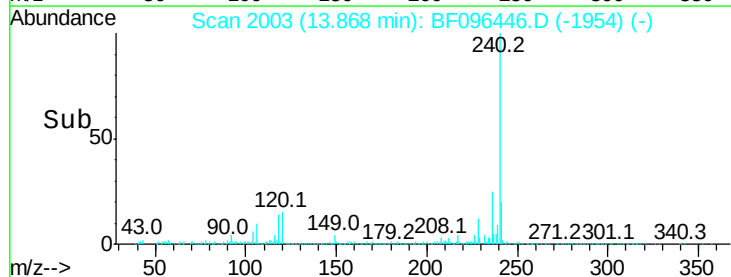
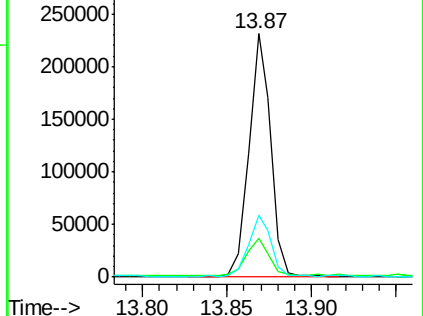
236 25.4 20.5 30.7

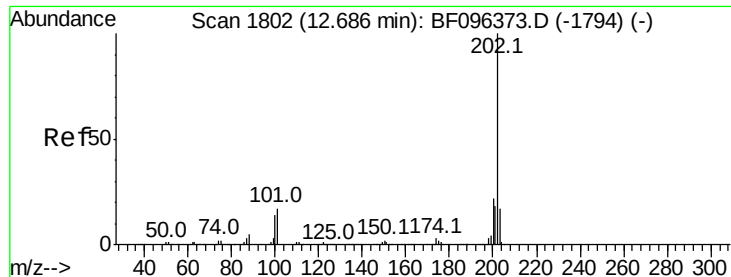


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.99 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA_F

ClientSampleId :

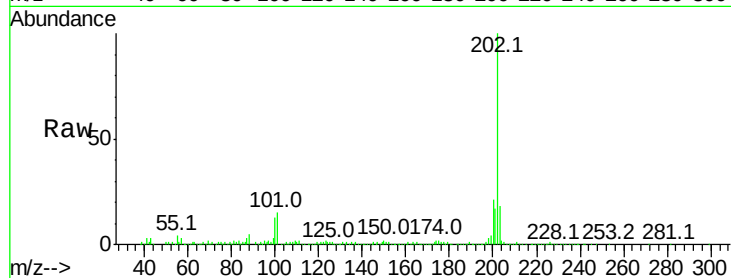
Tot Ion:202 Resp: 214687

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

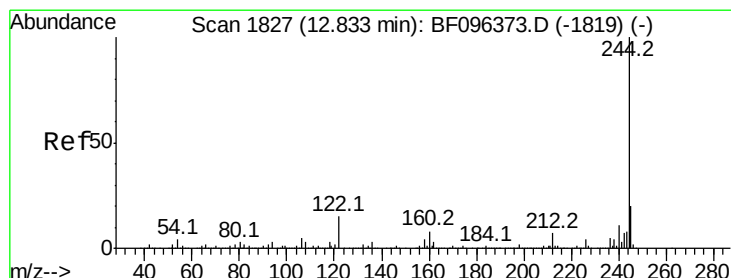
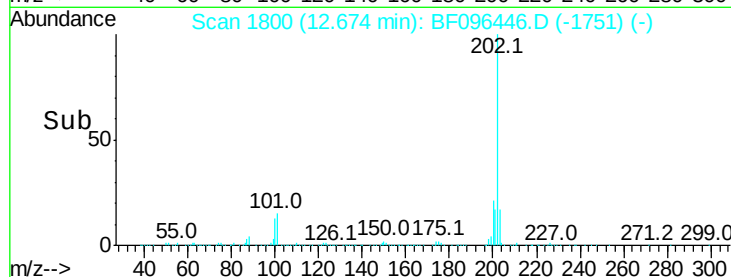
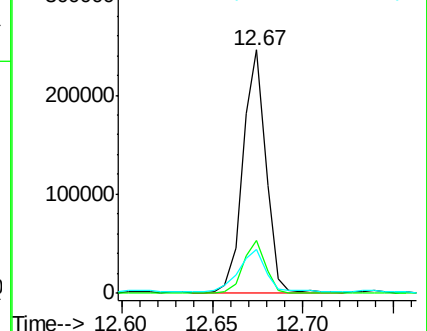
203 18.1 14.4 21.6



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: 31.14 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

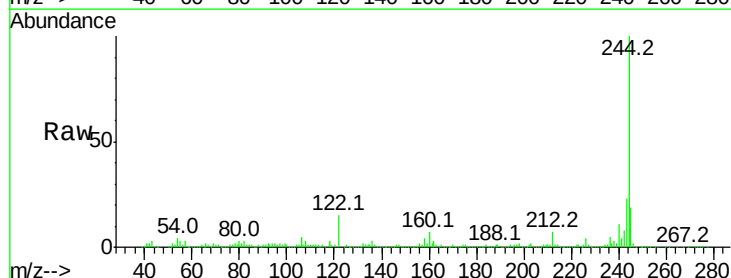
Tgt Ion:244 Resp: 300004

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

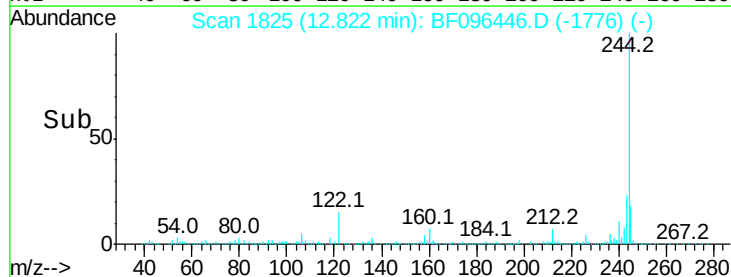
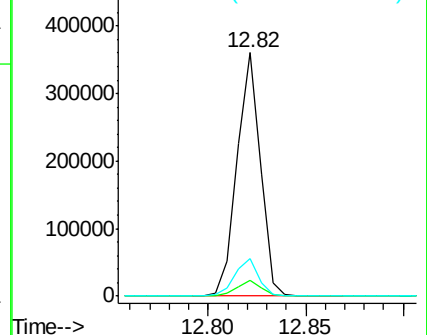
122 15.2 10.3 15.5

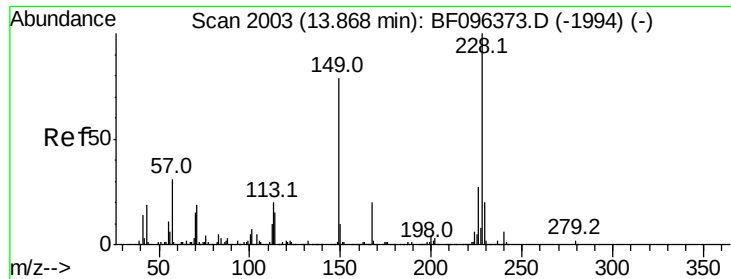


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

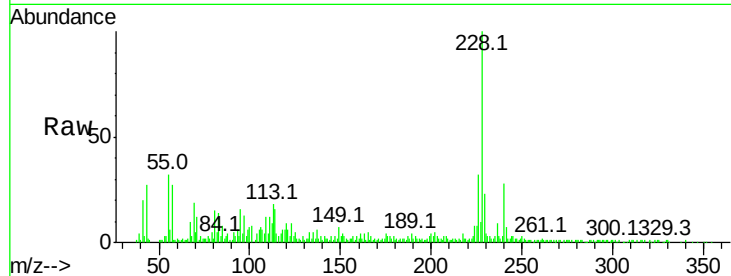




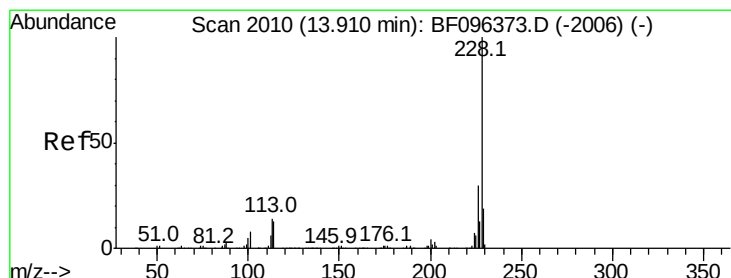
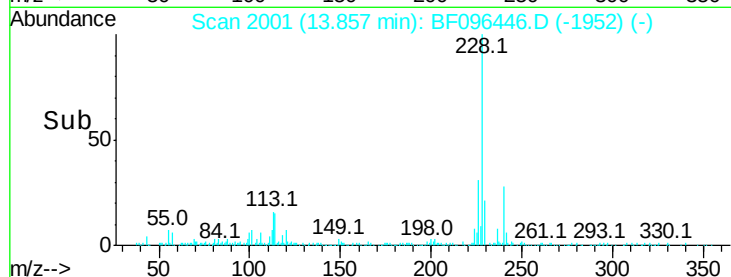
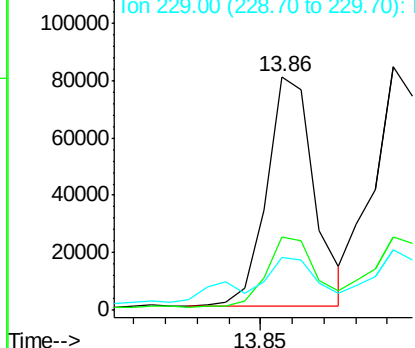
#80
Benzo(a)anthracene
Concen: 7.02 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 83668
Ion Ratio Lower Upper
228 100
226 31.6 22.6 33.8
229 22.7 16.3 24.5

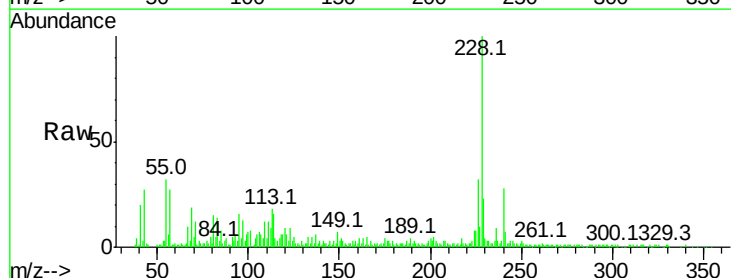


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

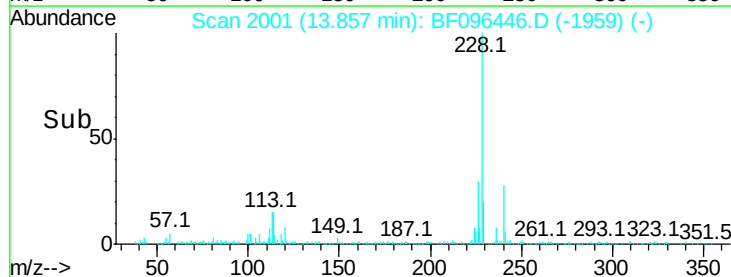
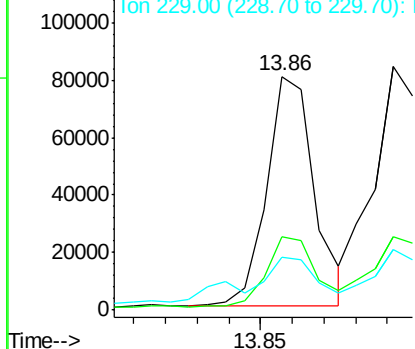


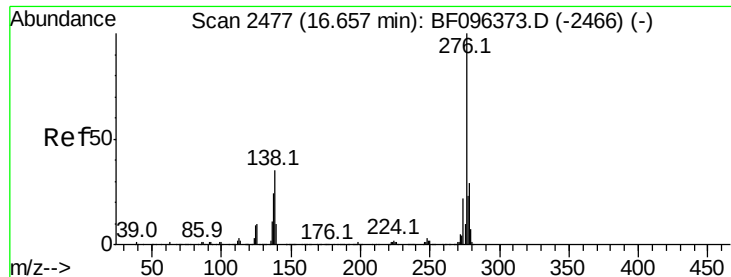
#82
Chrysene
Concen: 6.70 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.05 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Tgt Ion:228 Resp: 83668
Ion Ratio Lower Upper
228 100
226 31.6 24.9 37.3
229 22.7 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

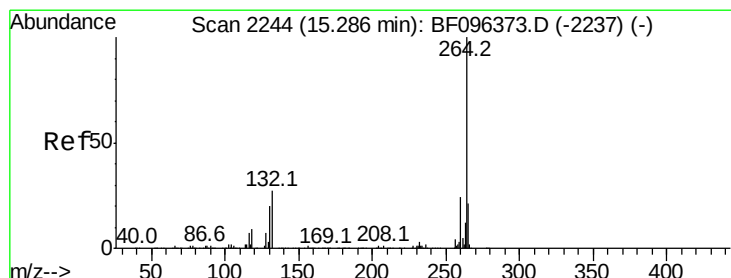
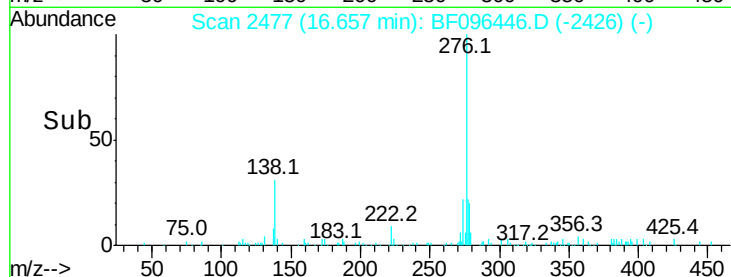
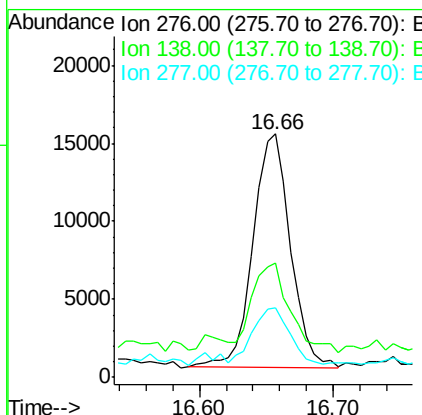
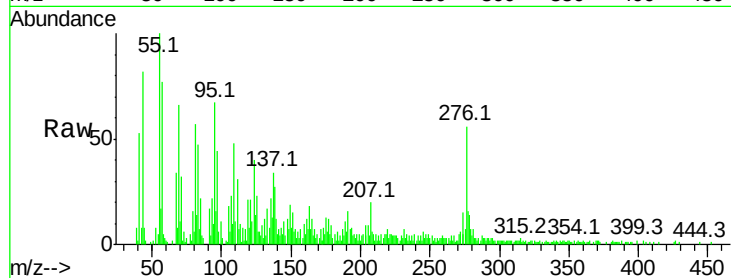




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.94 ng
 RT: 16.66 min Scan# 2477
 Delta R.T. 0.00 min
 Lab File: BF096446.D
 Acq: 3 Jul 2017 17:34

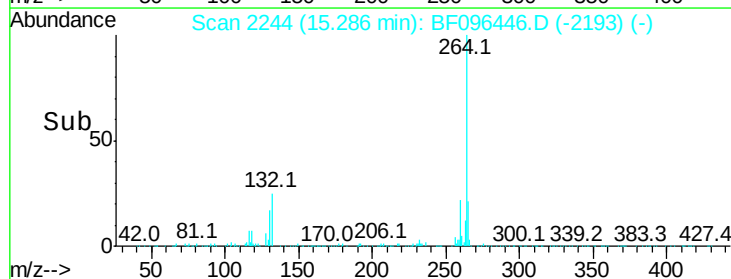
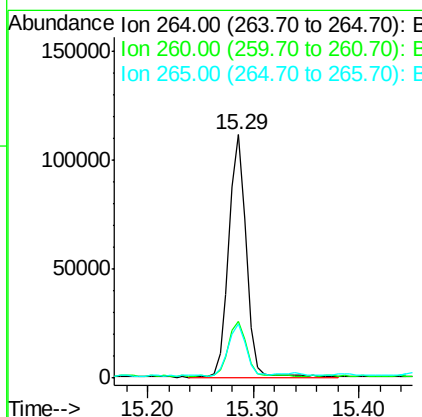
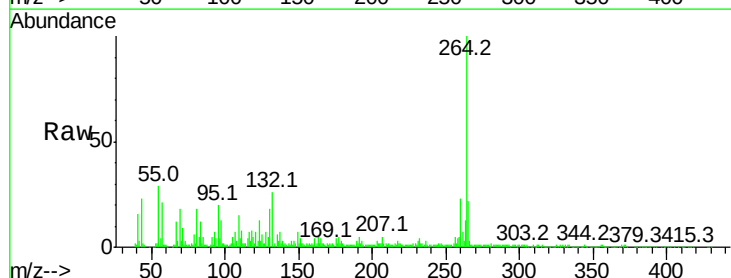
Instrument :
 BNA_F
 ClientSampleId :

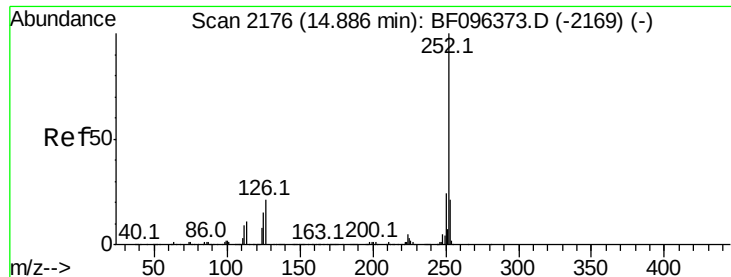
Tot Ion	Ratio	Lower	Upper
276	100		
138	39.1	27.8	41.6
277	24.2	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: BF096446.D
 Acq: 3 Jul 2017 17:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 12.28 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA_F

ClientSampleId :

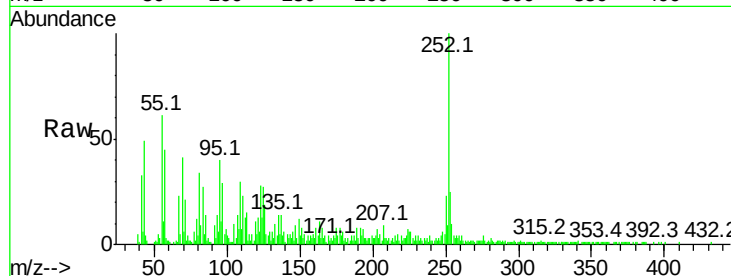
Tot Ion:252 Resp: 97182

Ion Ratio Lower Upper

252 100

253 25.2 18.1 27.1

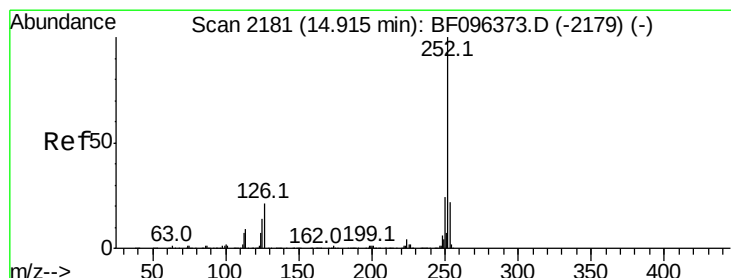
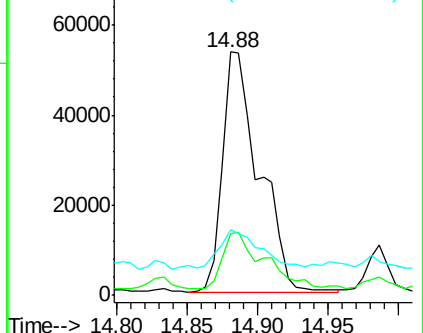
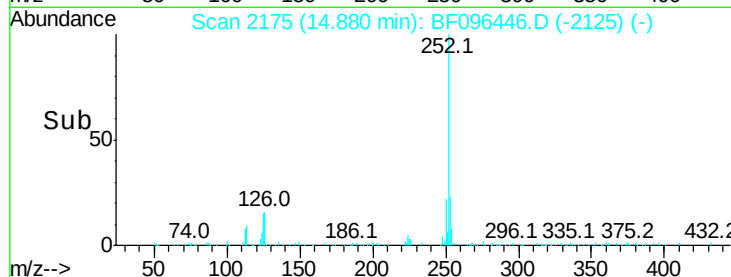
125 26.9 9.8 14.8#



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: 13.72 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.04 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

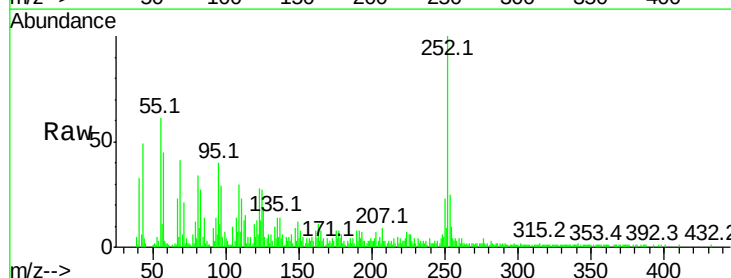
Tgt Ion:252 Resp: 97182

Ion Ratio Lower Upper

252 100

253 25.2 18.4 27.6

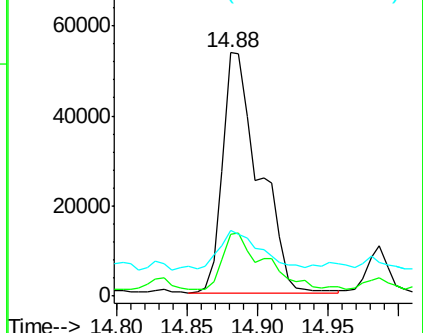
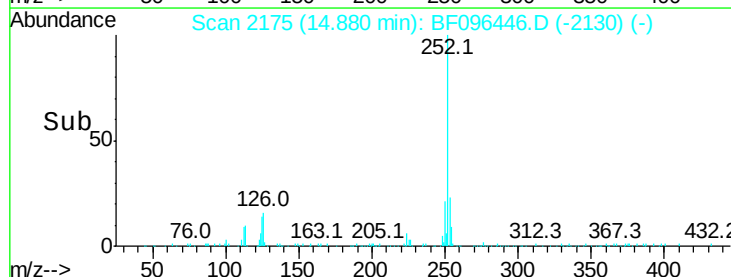
125 26.9 13.1 19.7#

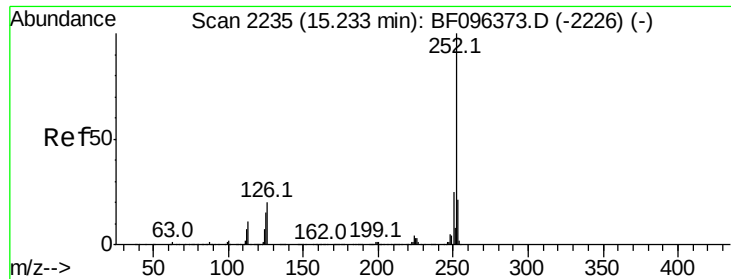


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

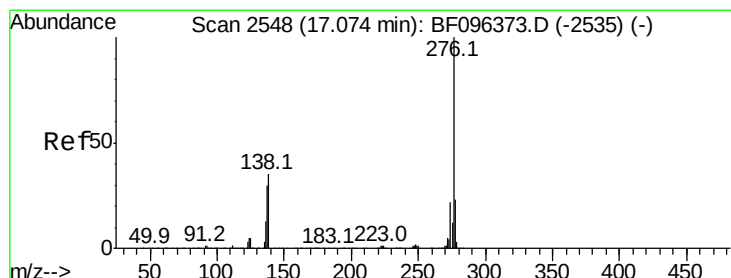
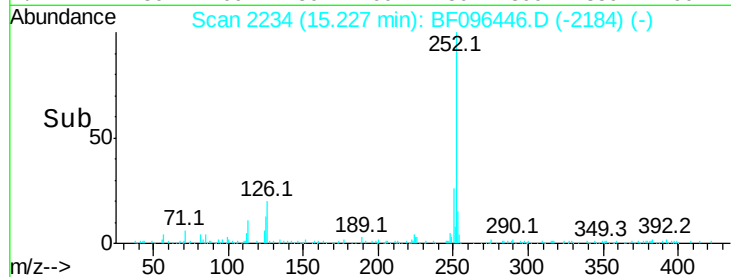
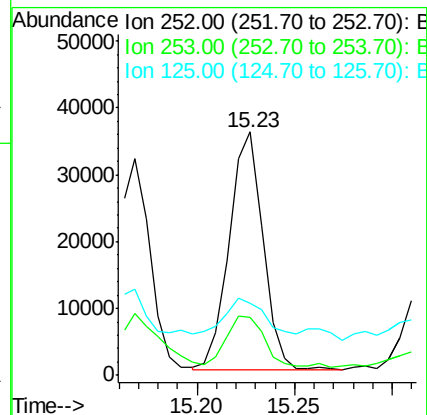
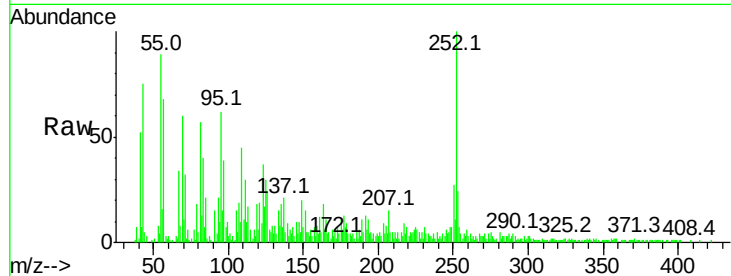




#89
Benzo(a)pyrene
Concen: 6.08 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 42991
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 29.8 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 4.90 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Tgt Ion:276 Resp: 28217
Ion Ratio Lower Upper
276 100
277 30.6 18.6 28.0#
138 37.9 25.4 38.0

