

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095646.D
 Acq On : 2 Jun 2017 21:41
 Operator : SJ/MA
 Sample : I3442-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 03 01:34:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration

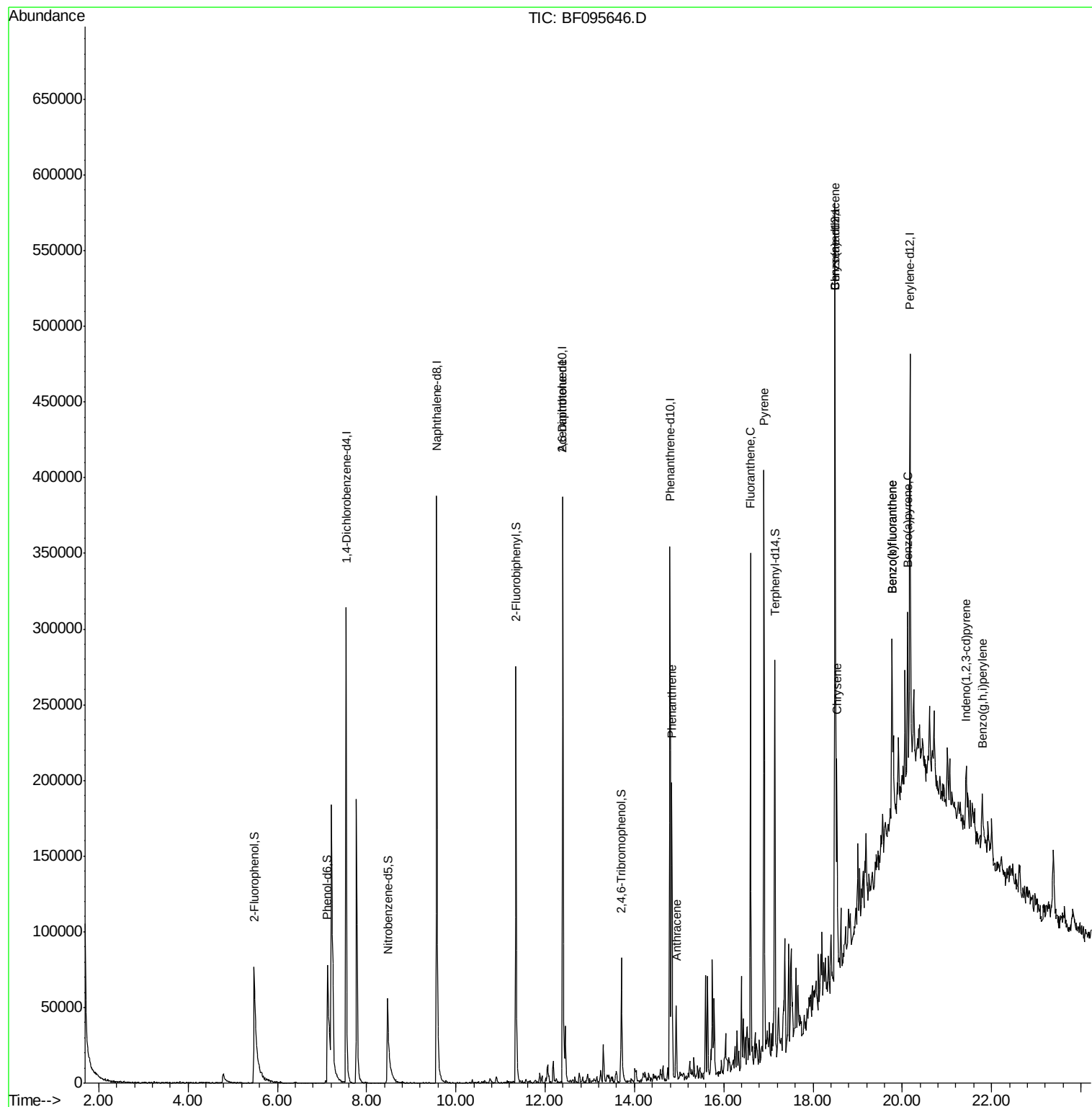
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	81558	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	305174	20.00	ng	0.00
38) Acenaphthene-d10	12.39	164	116317	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	179884	20.00	ng	0.00
75) Chrysene-d12	18.50	240	168002	20.00	ng	0.00
86) Perylene-d12	20.17	264	125120	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	92644	18.94	ng	0.04
7) Phenol-d6	7.12	99	105795	18.02	ng	0.02
23) Nitrobenzene-d5	8.46	82	68532	14.16	ng	0.00
41) 2,4,6-Tribromophenol	13.70	330	17305	18.17	ng	0.00
44) 2-Fluorobiphenyl	11.35	172	137572	17.02	ng	0.00
78) Terphenyl-d14	17.14	244	93339	12.24	ng	0.00
Target Compounds						
50) 2,6-Dinitrotoluene	12.39	165	14367	7.37	ng	Qvalue # 31
70) Phenanthrene	14.83	178	120247	11.63	ng	97
71) Anthracene	14.93	178	33664	3.19	ng	98
74) Fluoranthene	16.60	202	170013	16.04	ng	99
77) Pyrene	16.90	202	177773	14.15	ng	97
80) Benzo(a)anthracene	18.49	228	75042	7.67	ng	98
82) Chrysene	18.53	228	76725	8.12	ng	97
85) Indeno(1,2,3-cd)pyrene	21.43	276	20873	2.72	ng	97
87) Benzo(b)fluoranthene	19.77	252	88158	11.40	ng	# 92
88) Benzo(k)fluoranthene	19.77	252	88158	11.82	ng	97
89) Benzo(a)pyrene	20.12	252	46463	6.51	ng	# 93
91) Benzo(a,h,i)perylene	21.79	276	21528	3.72	ng	# 91

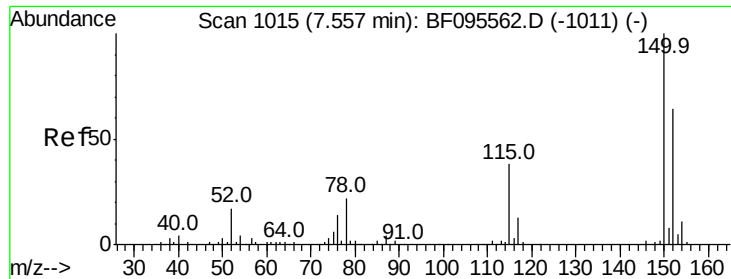
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
Data File : BF095646.D
Acq On : 2 Jun 2017 21:41
Operator : SJ/MA
Sample : I3442-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 03 01:34:15 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 18:51:16 2017
Response via : Initial Calibration



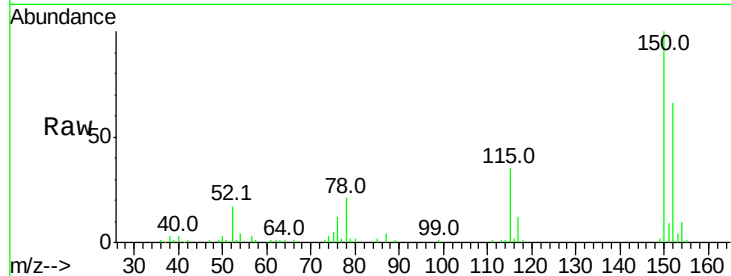


#1

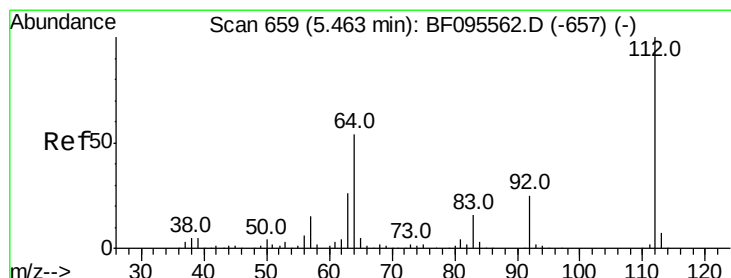
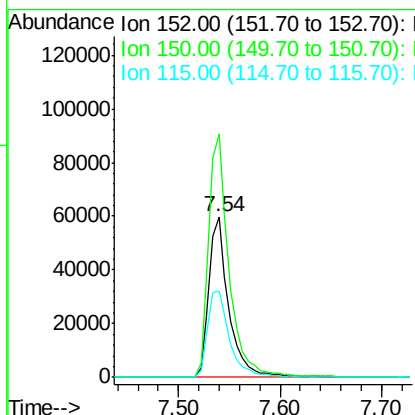
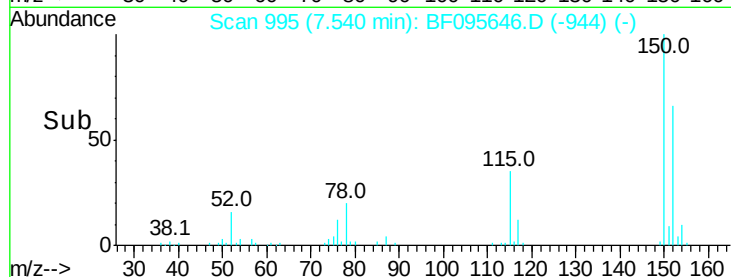
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.54 min Scan# 995
Delta R.T. 0.00 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 81558
Ion Ratio Lower Upper
152 100
150 151.4 126.2 189.2
115 53.3 52.2 78.2



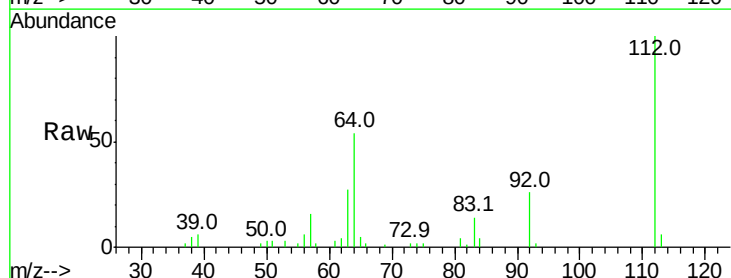
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



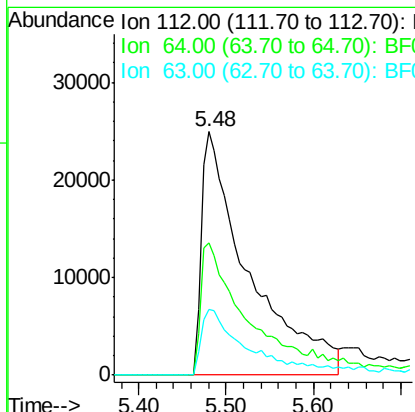
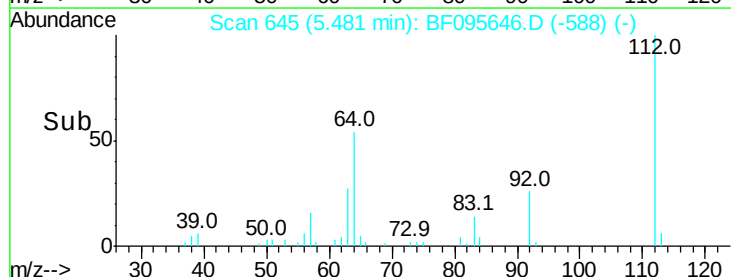
#5

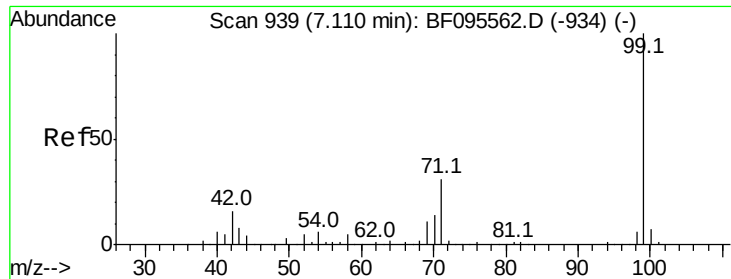
2-Fluorophenol
Concen: 18.94 ng
RT: 5.48 min Scan# 645
Delta R.T. 0.04 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Tgt Ion:112 Resp: 92644
Ion Ratio Lower Upper
112 100
64 54.2 46.0 69.0
63 26.8 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: 18.02 ng

RT: 7.12 min Scan# 924

Delta R.T. 0.02 min

Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

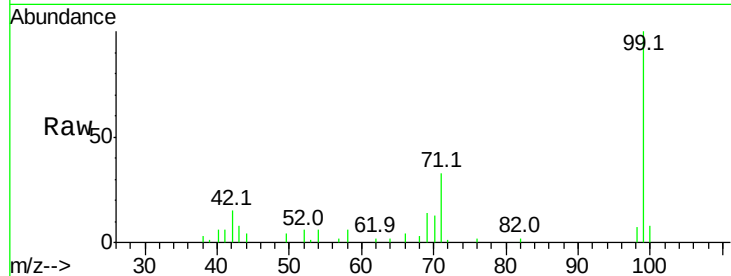
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 105795

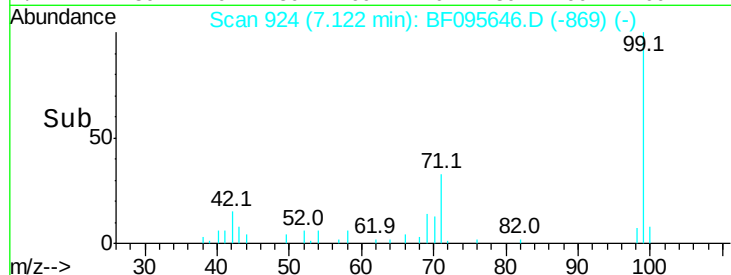
Ion	Ratio	Lower	Upper
99	100		
42	14.9	13.5	20.3
71	32.7	24.5	36.7



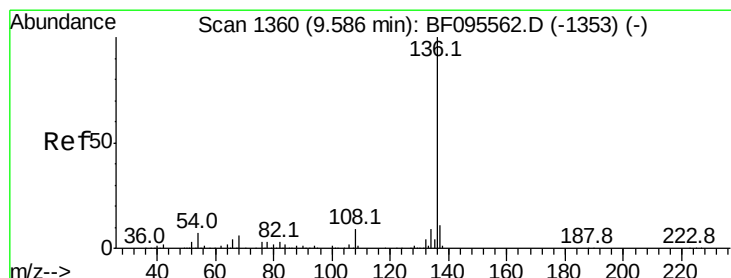
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.57 min Scan# 1340

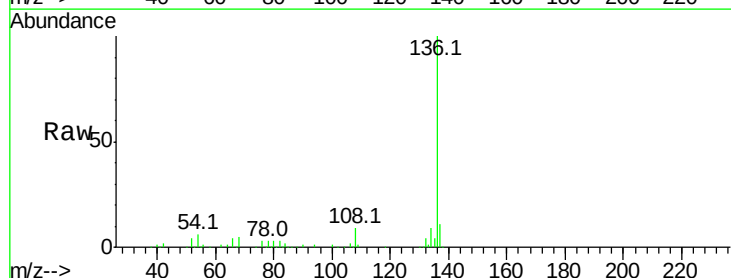
Delta R.T. -0.01 min

Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

Tgt Ion: 136 Resp: 305174

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	6.5	4.9	7.3
68	5.4	4.1	6.1

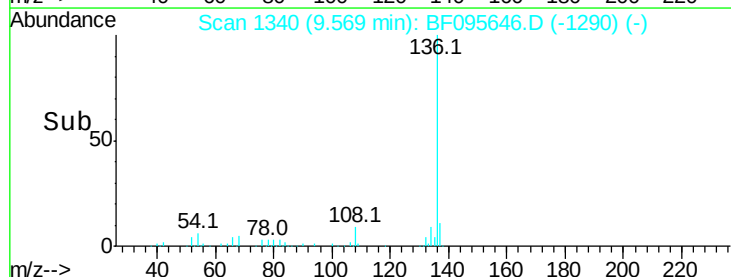


Abundance Ion 136.00 (135.70 to 136.70): E

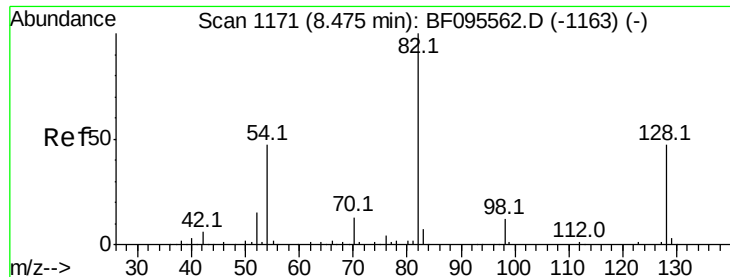
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 14.16 ng

RT: 8.46 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

Instrument :

BNA_F

ClientSampleId :

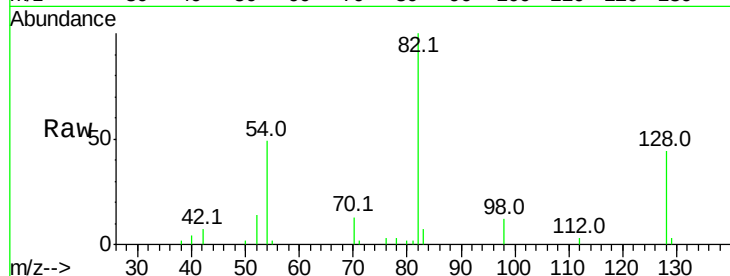
Tot Ion: 82 Resp: 68532

Ion Ratio Lower Upper

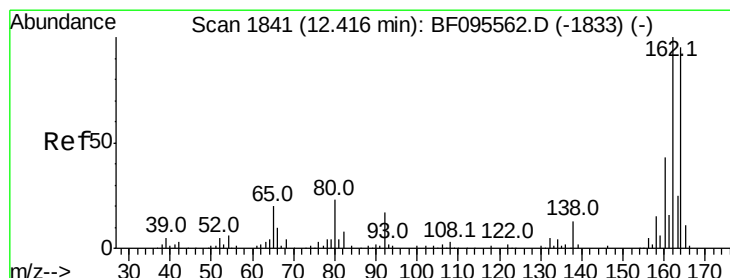
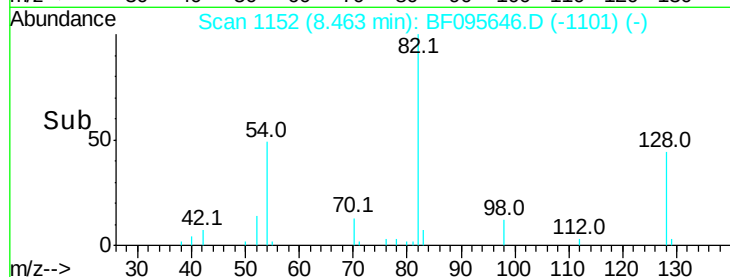
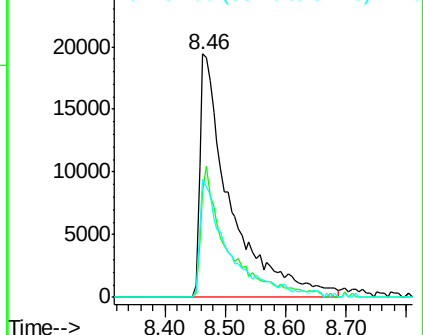
82 100

128 43.7 34.0 51.0

54 48.7 42.2 63.2



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.39 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

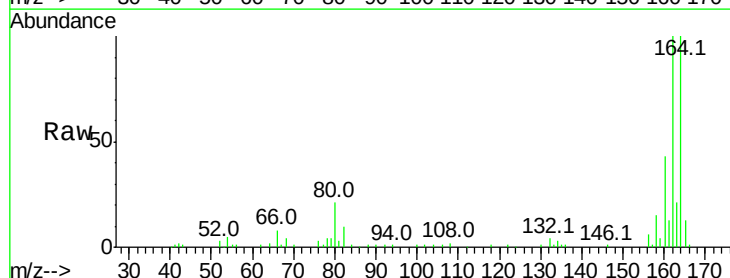
Tgt Ion:164 Resp: 116317

Ion Ratio Lower Upper

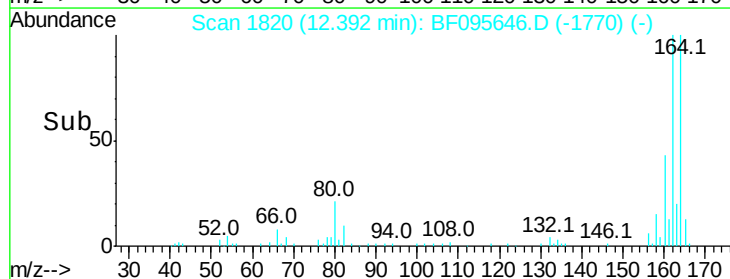
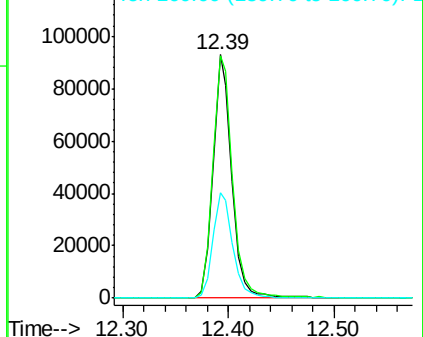
164 100

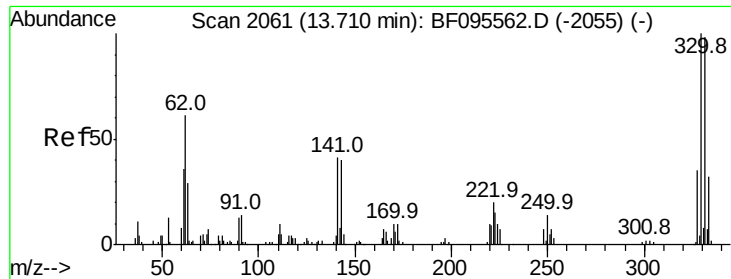
162 99.6 82.6 123.8

160 43.2 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

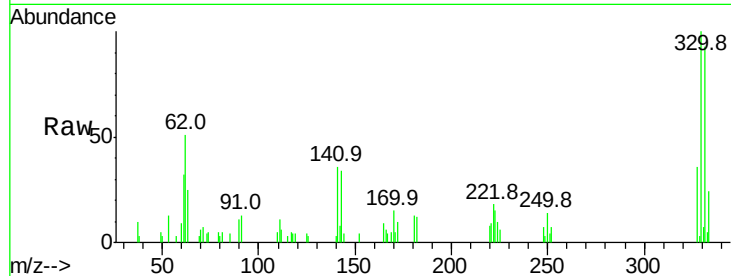




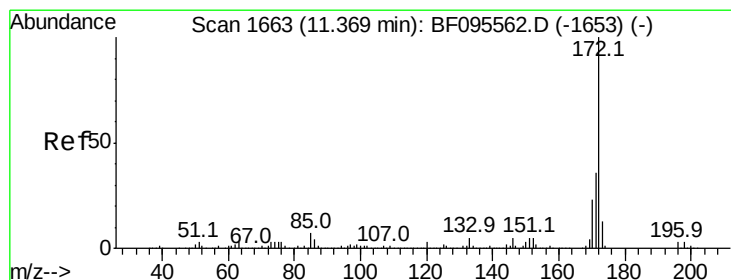
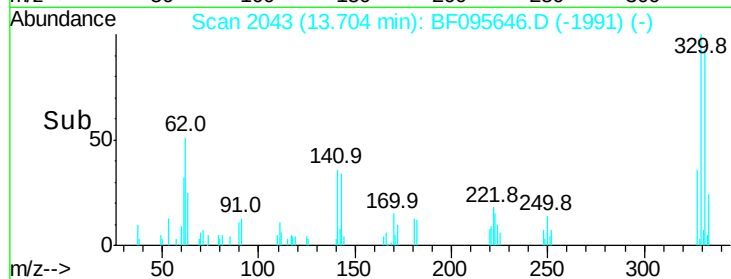
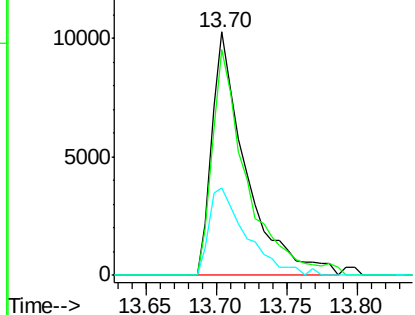
#41
 2,4,6-Tribromophenol
 Concen: 18.17 ng
 RT: 13.70 min Scan# 2043
 Delta R.T. 0.01 min
 Lab File: BF095646.D
 Acq: 2 Jun 2017 21:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 17305
 Ion Ratio Lower Upper
 330 100
 332 93.6 76.6 115.0
 141 39.3 31.4 47.2

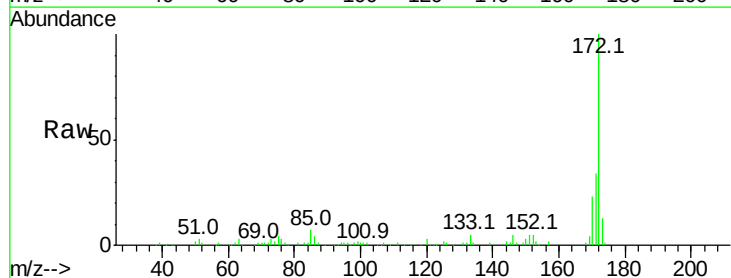


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

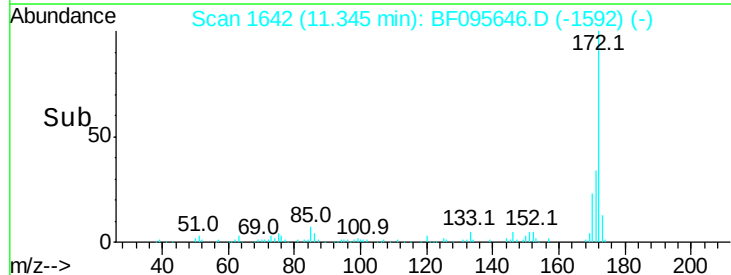
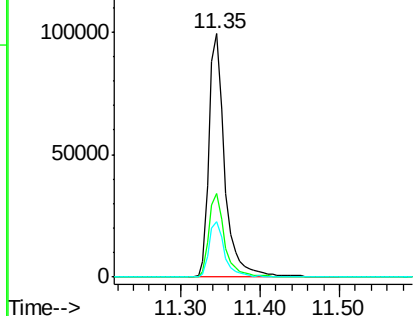


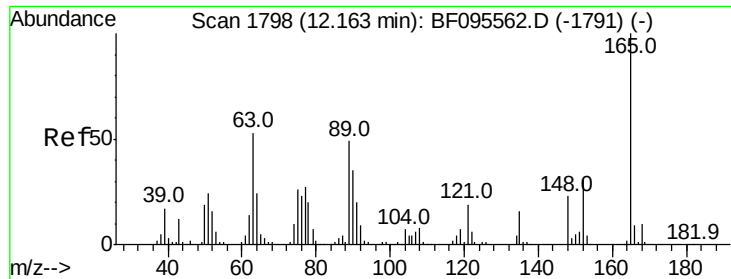
#44
 2-Fluorobiphenyl
 Concen: 17.02 ng
 RT: 11.35 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF095646.D
 Acq: 2 Jun 2017 21:41

Tgt Ion:172 Resp: 137572
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.6 44.4
 170 22.8 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

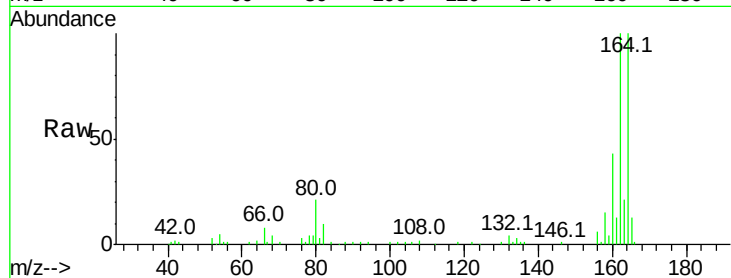




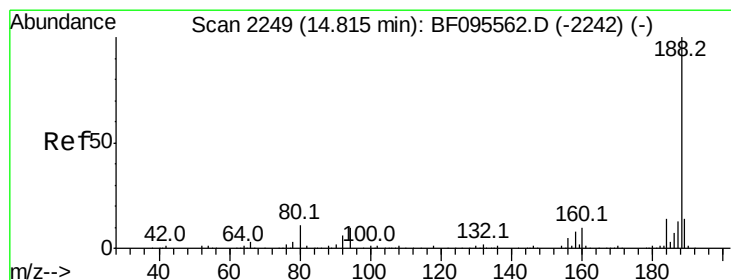
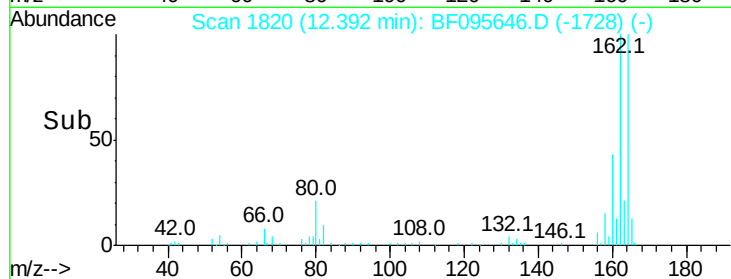
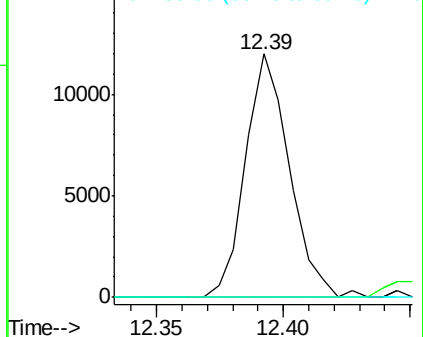
#50
 2,6-Dinitrotoluene
 Concen: 7.37 ng
 RT: 12.39 min Scan# 1820
 Delta R.T. 0.24 min
 Lab File: BF095646.D
 Acq: 2 Jun 2017 21:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 14367
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

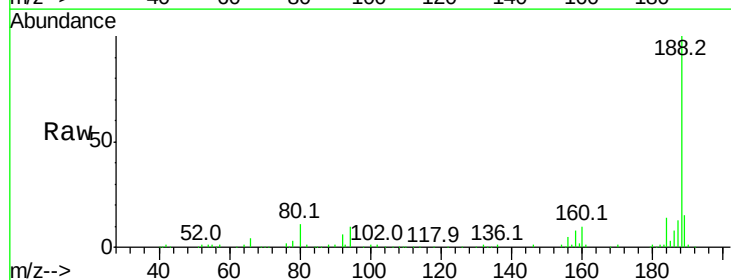


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

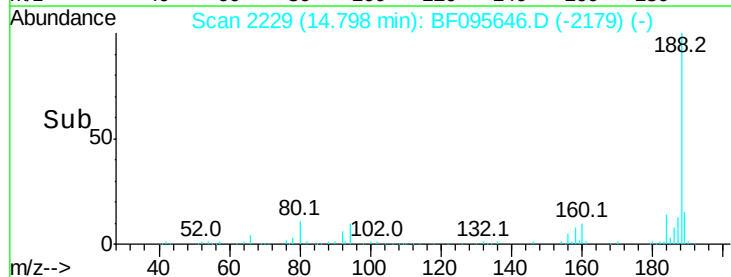
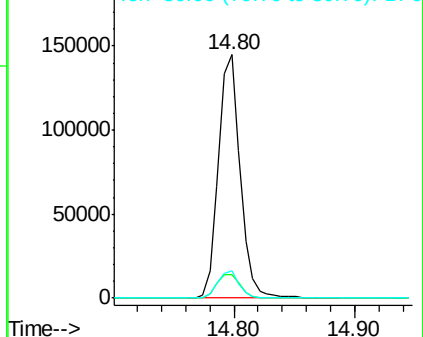


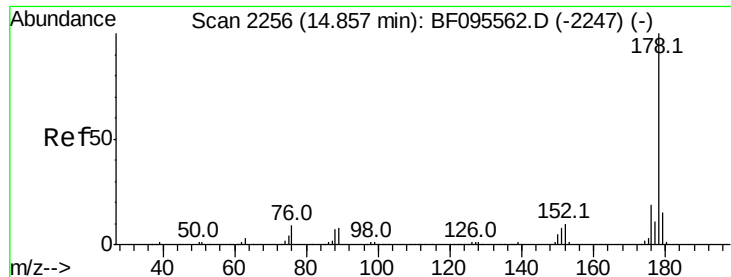
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BF095646.D
 Acq: 2 Jun 2017 21:41

Tgt Ion:188 Resp: 179884
 Ion Ratio Lower Upper
 188 100
 94 9.6 9.4 14.2
 80 11.0 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

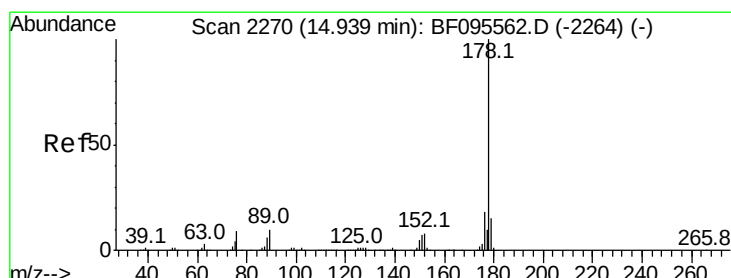
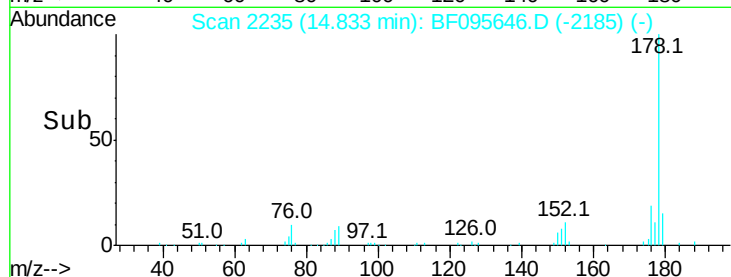
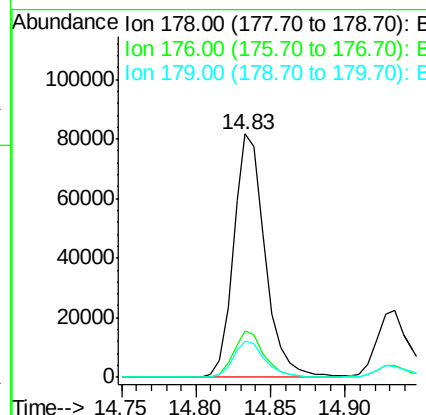
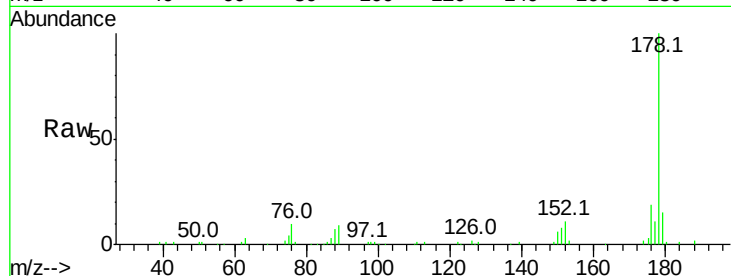




#70
Phenanthrene
Concen: 11.63 ng
RT: 14.83 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

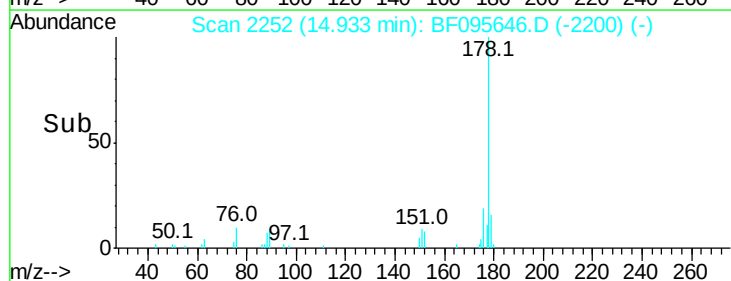
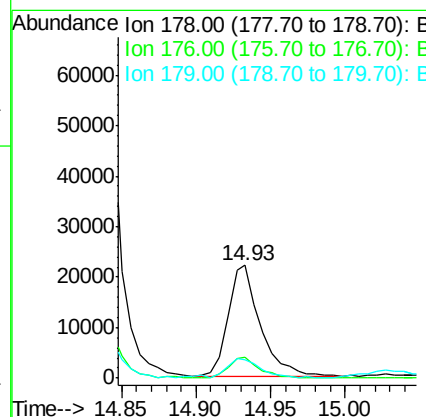
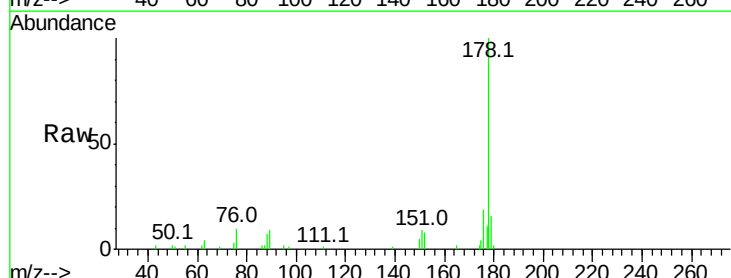
Instrument :
BNA_F
ClientSampled :

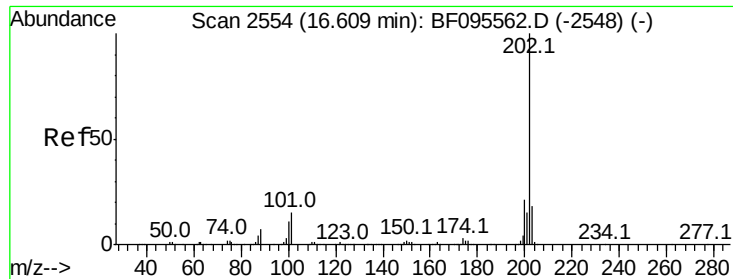
Tot Ion:178 Resp: 120247
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 14.8 12.6 19.0



#71
Anthracene
Concen: 3.19 ng
RT: 14.93 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Tgt Ion:178 Resp: 33664
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 16.2 12.7 19.1





#74

Fluoranthene

Concen: 16.04 ng

RT: 16.60 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

Instrument :

BNA_F

ClientSampleId :

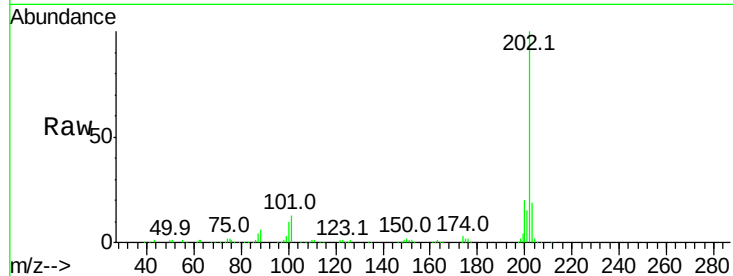
Tot Ion:202 Resp: 170013

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

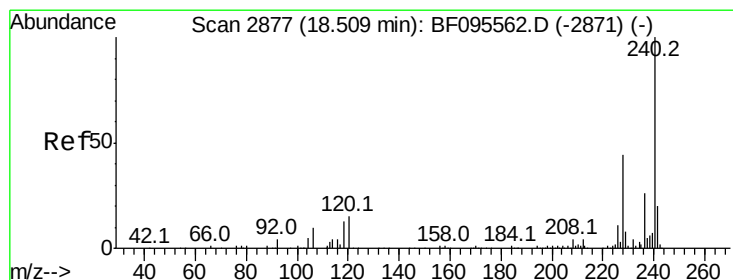
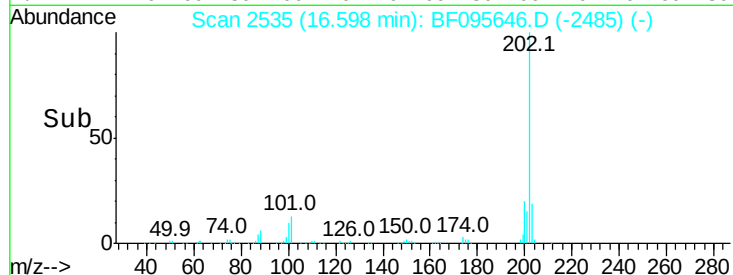
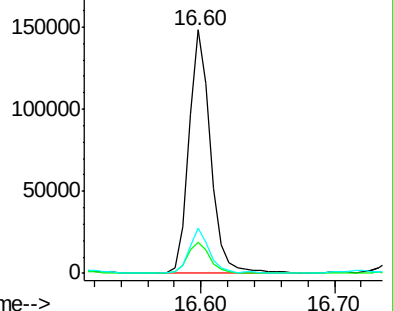
203 18.7 0.0 38.1



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: 18.50 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

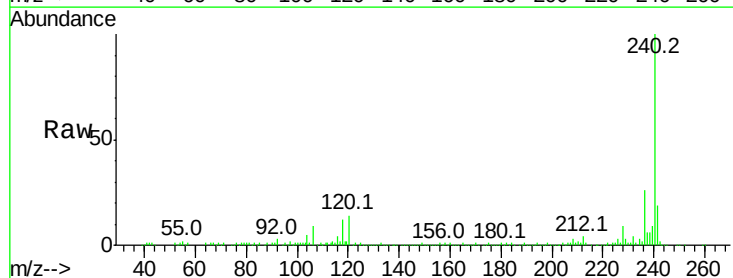
Tgt Ion:240 Resp: 168002

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

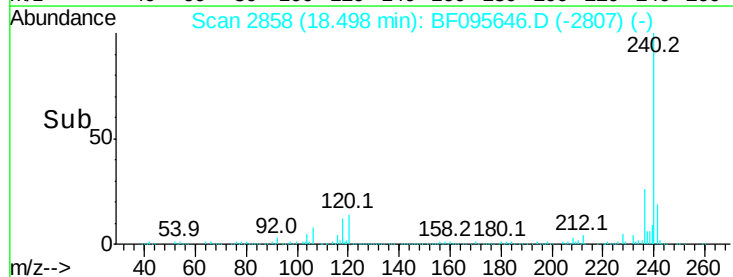
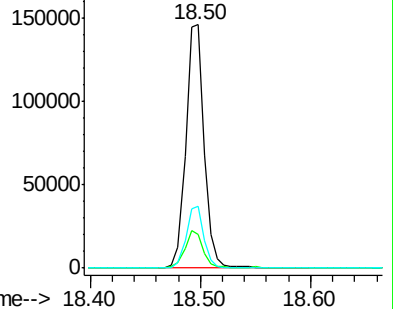
236 25.5 20.5 30.7

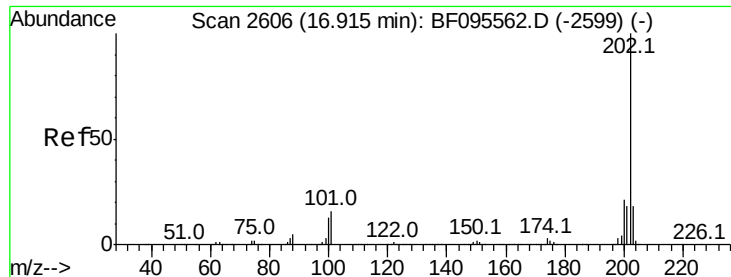


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

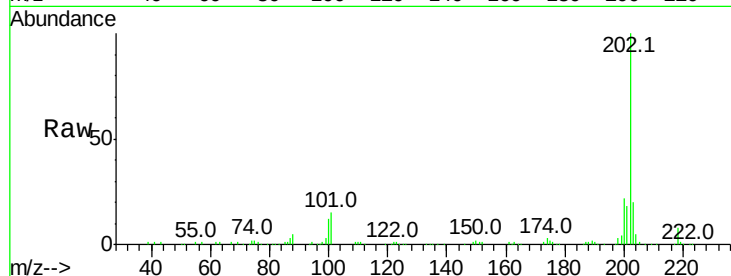




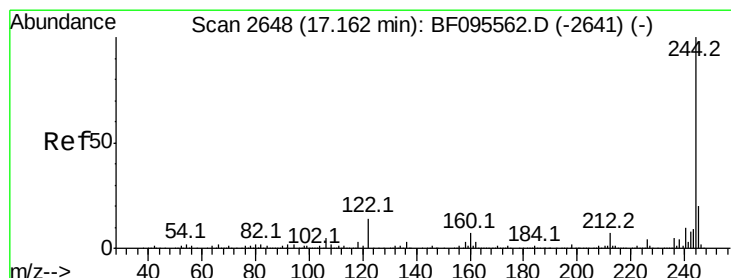
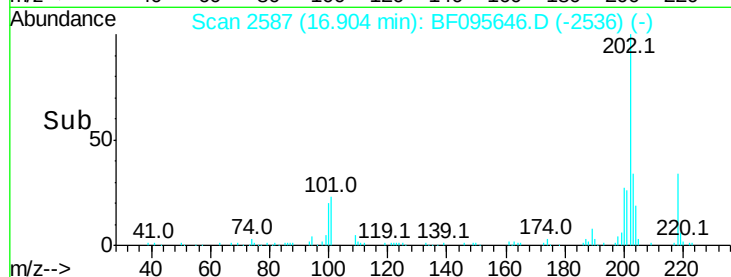
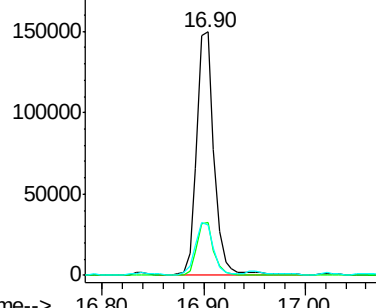
#77
Pvrene
Concen: 14.15 ng
RT: 16.90 min Scan# 2587
Delta R.T. 0.00 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 177773
Ion Ratio Lower Upper
202 100
200 21.5 17.6 26.4
203 20.4 14.4 21.6

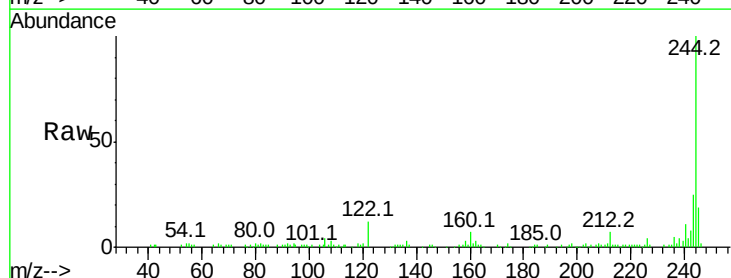


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

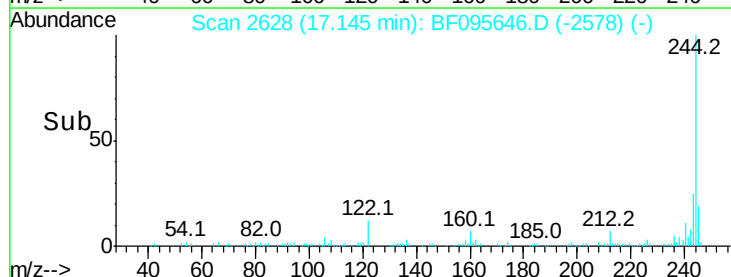
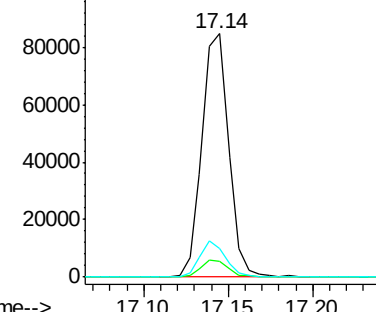


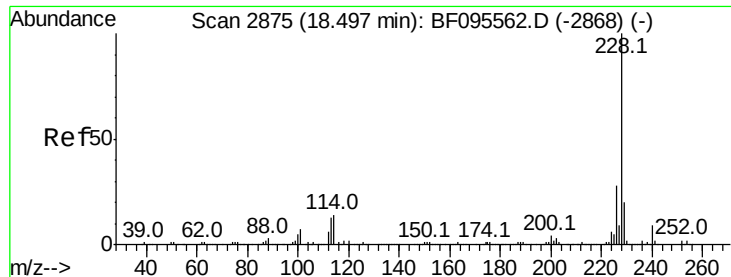
#78
Terphenyl-d14
Concen: 12.24 ng
RT: 17.14 min Scan# 2628
Delta R.T. -0.01 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Tgt Ion:244 Resp: 93339
Ion Ratio Lower Upper
244 100
212 6.5 6.0 9.0
122 12.0 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: 7.67 ng

RT: 18.49 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

Instrument :

BNA_F

ClientSampleId :

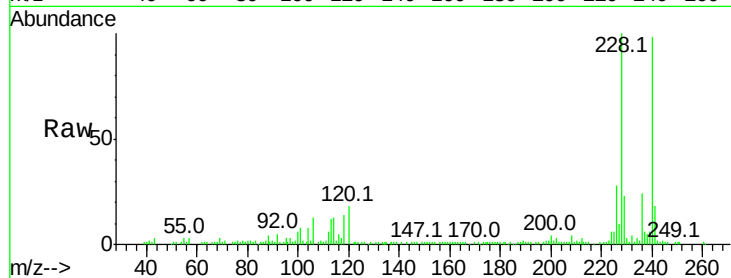
Tot Ion:228 Resp: 75042

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

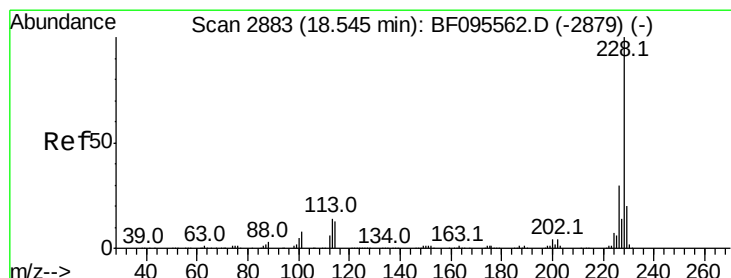
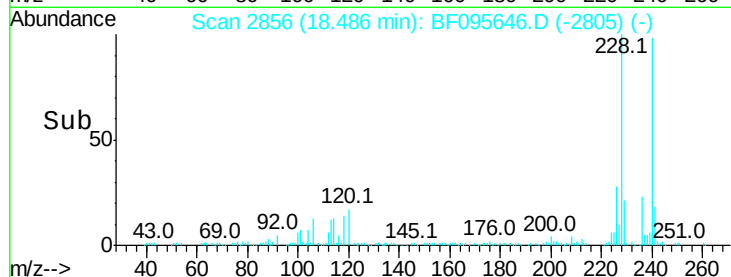
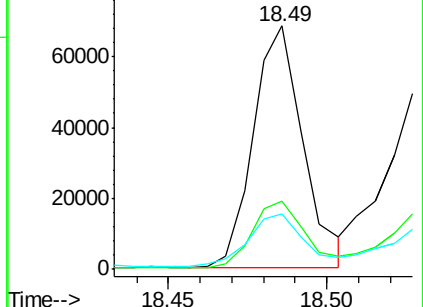
229 22.6 16.3 24.5



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: 8.12 ng

RT: 18.53 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

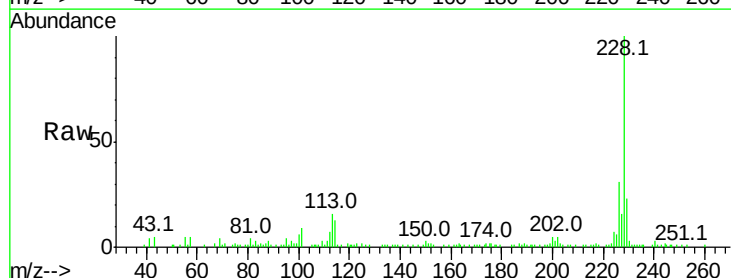
Tgt Ion:228 Resp: 76725

Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

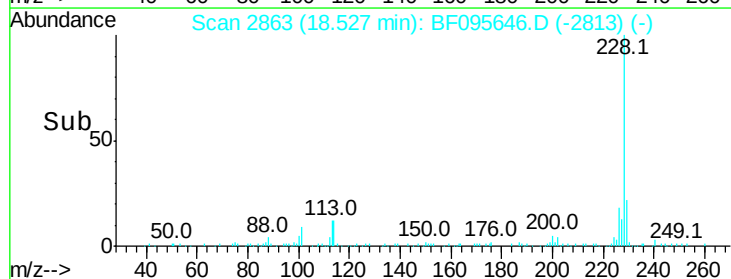
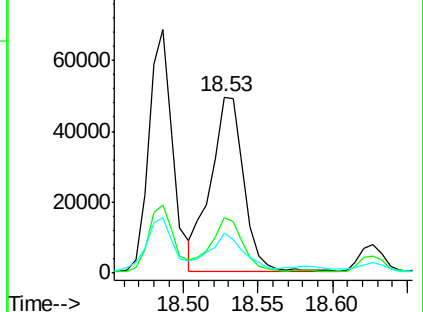
229 22.6 15.8 23.6

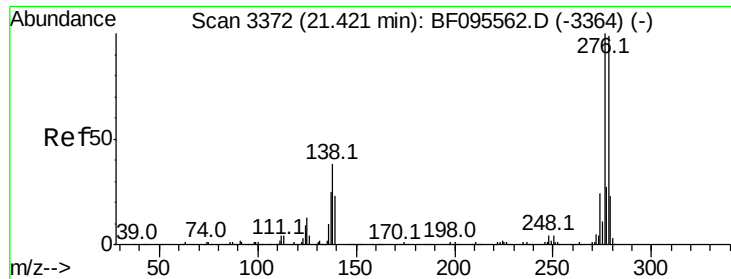


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

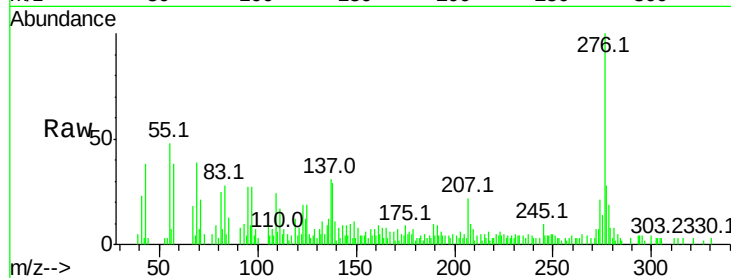




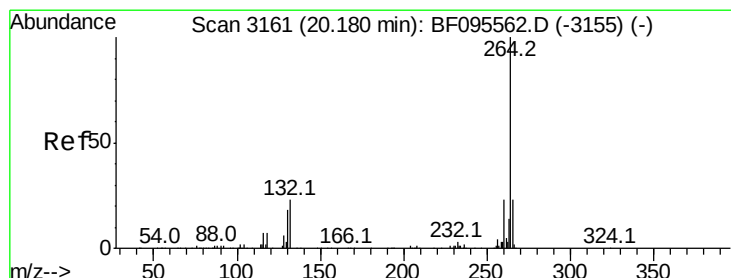
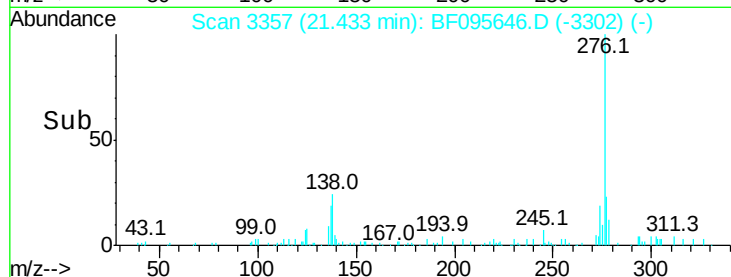
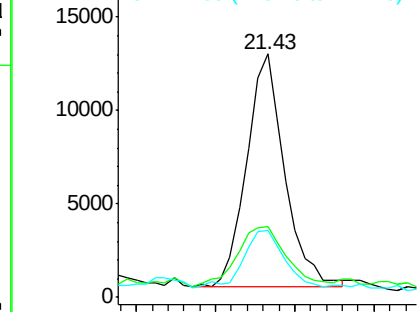
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.72 ng
RT: 21.43 min Scan# 3357
Delta R.T. 0.02 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 20873
Ion Ratio Lower Upper
276 100
138 32.7 27.8 41.6
277 26.8 20.2 30.4

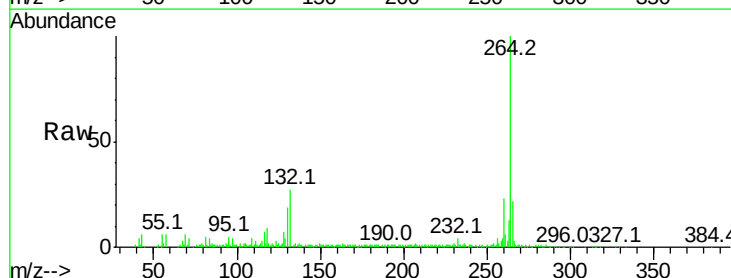


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

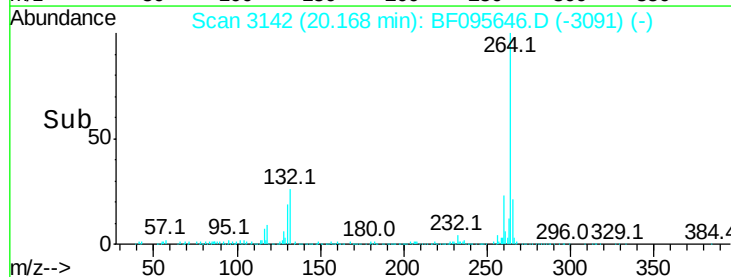
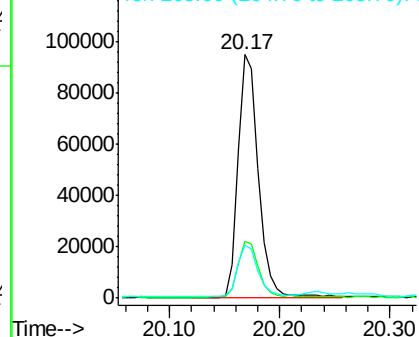


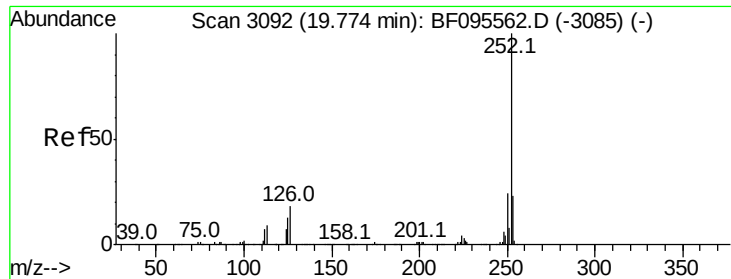
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.17 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Tgt Ion:264 Resp: 125120
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 21.7 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: 11.40 ng

RT: 19.77 min Scan# 3074

Delta R.T. 0.01 min

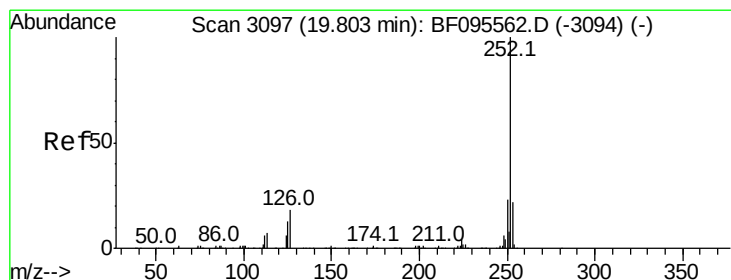
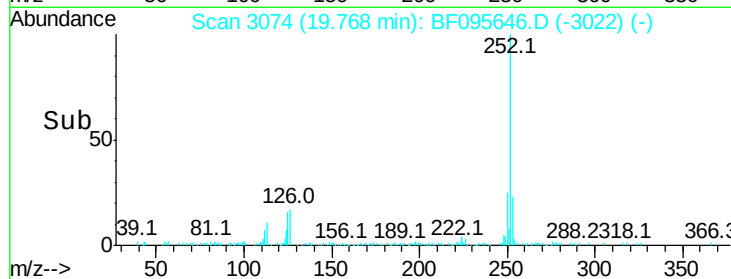
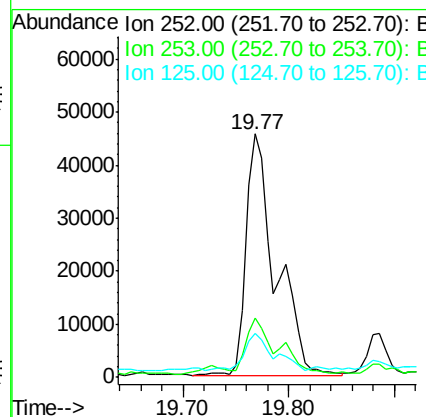
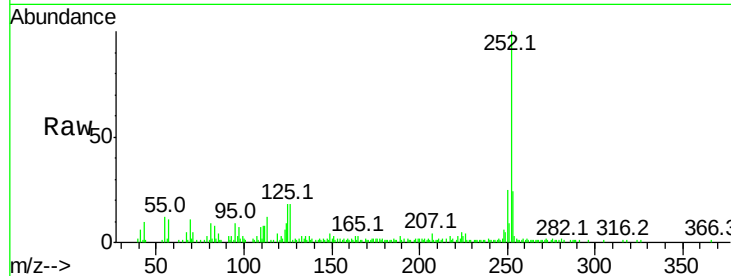
Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 88158

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	18.3	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 11.82 ng

RT: 19.77 min Scan# 3074

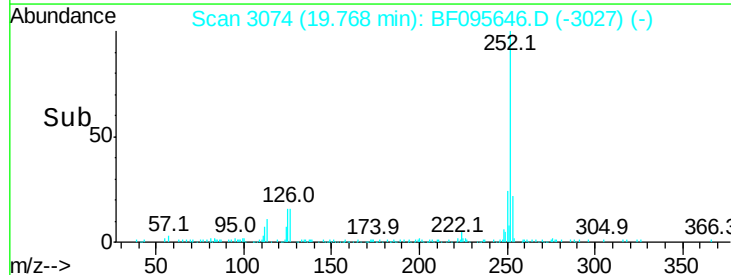
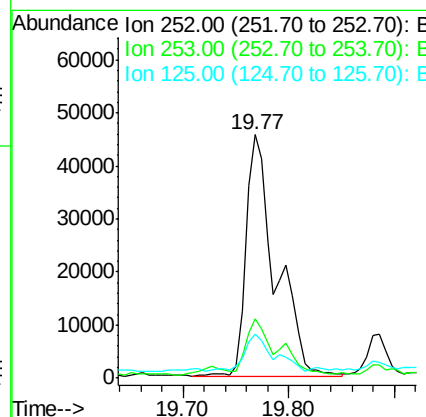
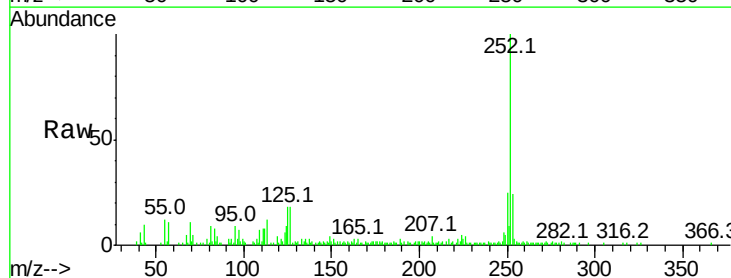
Delta R.T. -0.02 min

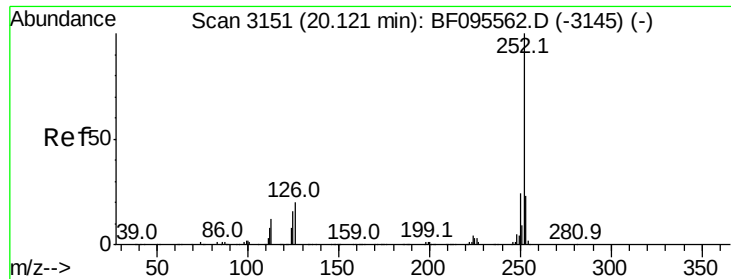
Lab File: BF095646.D

Acq: 2 Jun 2017 21:41

Tgt Ion:252 Resp: 88158

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	18.3	13.1	19.7

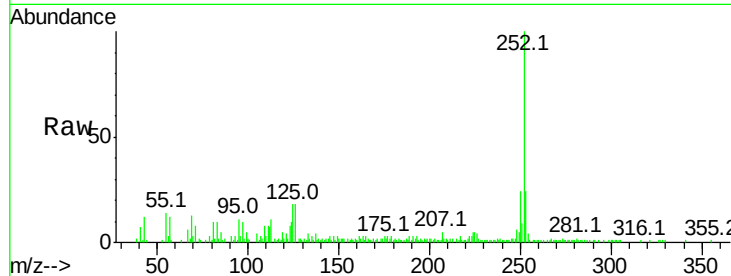




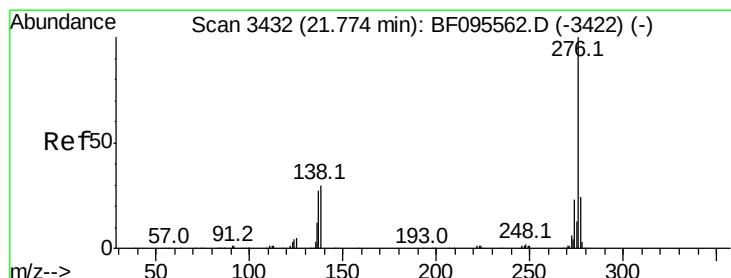
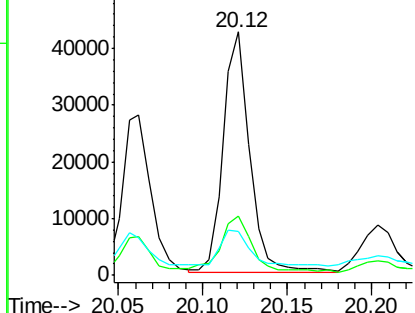
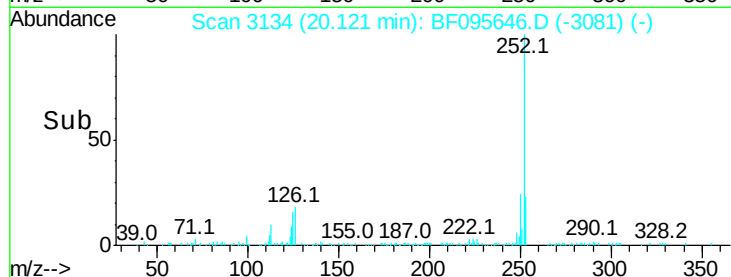
#89
Benzo(a)pyrene
Concen: 6.51 ng
RT: 20.12 min Scan# 3134
Delta R.T. 0.01 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 46463
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 18.3 11.0 16.4#

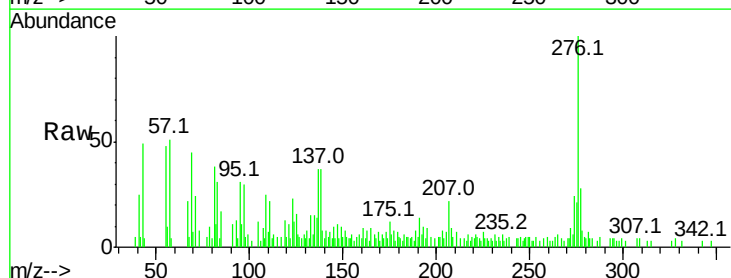


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.72 ng
RT: 21.79 min Scan# 3417
Delta R.T. 0.03 min
Lab File: BF095646.D
Acq: 2 Jun 2017 21:41

Tgt Ion:276 Resp: 21528
Ion Ratio Lower Upper
276 100
277 28.2 18.6 28.0#
138 36.6 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

