

Data Path : U:\HPCHEM1\BNA F\DATA\BF101916\
 Data File : BF090641.D
 Acq On : 19 Oct 2016 11:25
 Operator : UM/SJ
 Sample : H5289-06DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-1DL

Quant Time: Oct 19 13:31:39 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

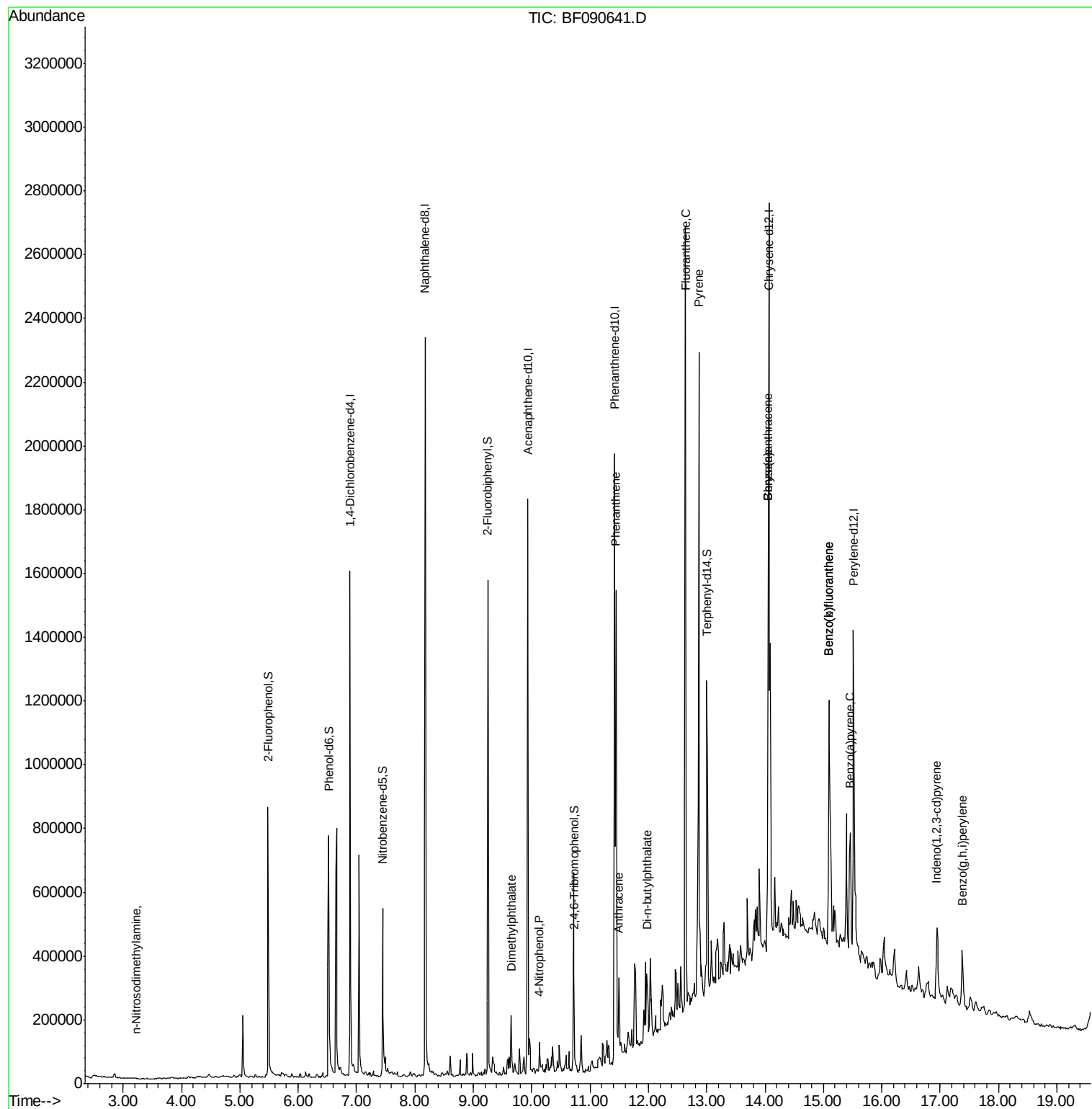
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	240294	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	1088486	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	543903	20.00	ng	-0.02
63) Phenanthrene-d10	11.42	188	914220	20.00	ng	-0.02
75) Chrysene-d12	14.06	240	755524	20.00	ng	-0.02
86) Perylene-d12	15.52	264	522019	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	286194	21.83	ng	-0.03
7) Phenol-d6	6.52	99	382099	19.62	ng	-0.02
23) Nitrobenzene-d5	7.45	82	248172	12.67	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	73198	15.10	ng	-0.02
44) 2-Fluorobiphenyl	9.25	172	444160	13.46	ng	-0.02
78) Terphenyl-d14	13.00	244	410769	12.66	ng	-0.03
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.23	42	462	7.24	ng	# 1
49) Dimethylphthalate	9.65	163	93507	2.65	ng	97
55) 4-Nitrophenol	10.13	139	15389	2.64	ng	# 8
70) Phenanthrene	11.45	178	609805	12.50	ng	99
71) Anthracene	11.49	178	125321	2.39	ng	99
73) Di-n-butylphthalate	11.97	149	173522	3.15	ng	99
74) Fluoranthene	12.64	202	1014715	20.67	ng	99
77) Pyrene	12.86	202	823945	16.47	ng	99
80) Benzo(a)anthracene	14.05	228	470654	10.94	ng	99
82) Chrysene	14.05	228	470654	11.36	ng	97
85) Indeno(1,2,3-cd)pyrene	16.94	276	167773	7.00	ng	93
87) Benzo(b)fluoranthene	15.09	252	615636	18.02	ng	99
88) Benzo(k)fluoranthene	15.09	252	615636	16.75	ng	# 97
89) Benzo(a)pyrene	15.46	252	236735	7.57	ng	# 96
91) Benzo(a,h,i)perylene	17.38	276	148922	6.55	ng	100

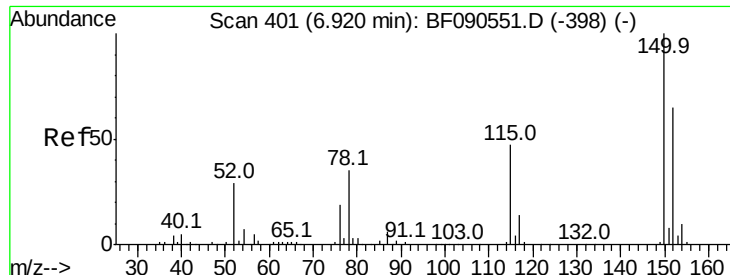
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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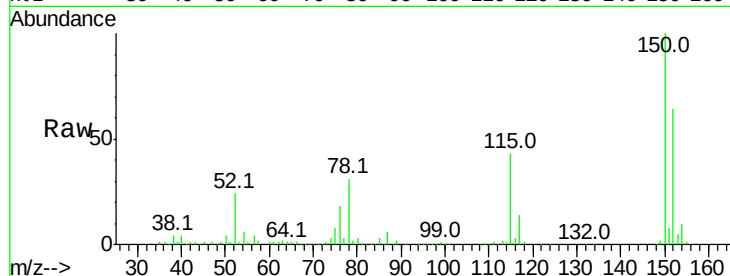


#1

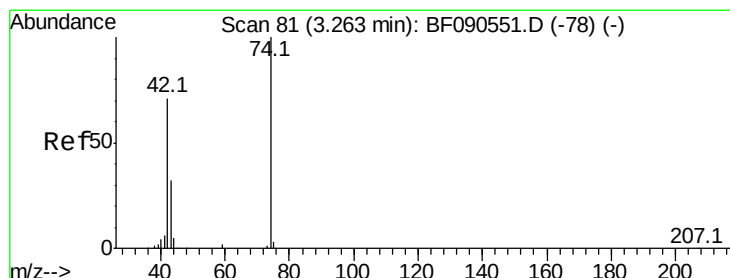
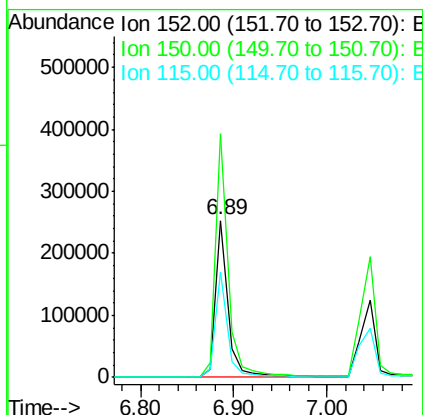
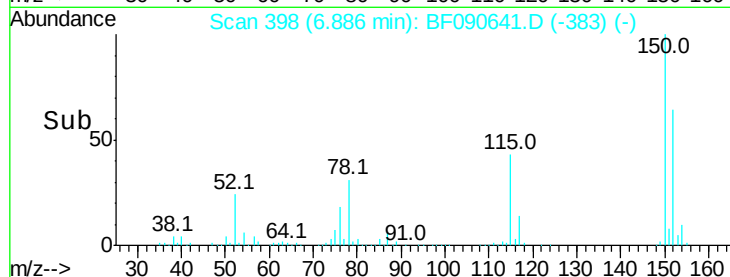
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF090641.D
Acq: 19 Oct 2016 11:25

Instrument :
BNA_F
ClientSampleId :
SP-2-1DL

Tot Ion:152 Resp: 240294
Ion Ratio Lower Upper
152 100
150 155.2 127.2 190.8
115 66.9 58.6 88.0



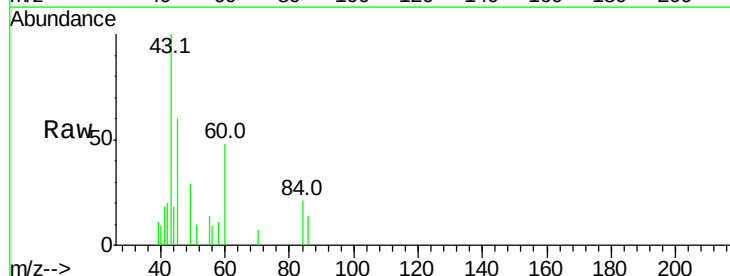
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



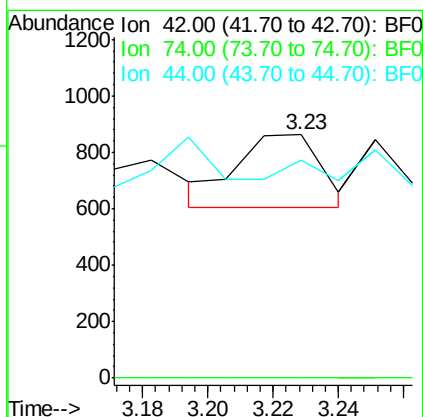
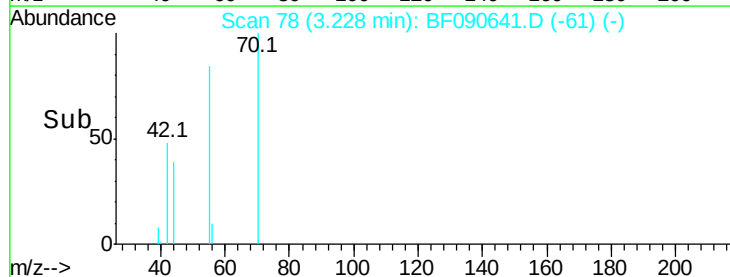
#4

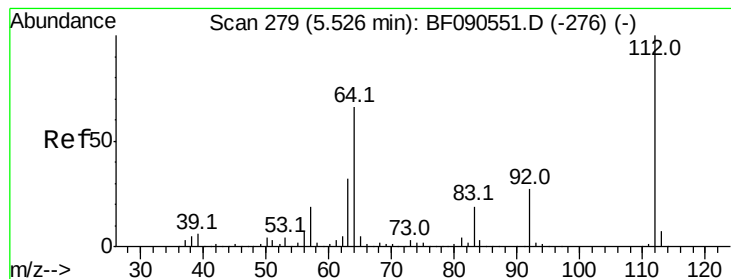
n-Nitrosodimethylamine
Concen: 7.24 ng
RT: 3.23 min Scan# 78
Delta R.T. -0.00 min
Lab File: BF090641.D
Acq: 19 Oct 2016 11:25

Tgt Ion: 42 Resp: 462
Ion Ratio Lower Upper
42 100
74 0.0 113.3 169.9#
44 89.3 6.0 9.0#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 21.83 ng

RT: 5.48 min Scan# 275

Delta R.T. -0.03 min

Lab File: BF090641.D

Acq: 19 Oct 2016 11:25

Instrument :

BNA_F

ClientSampleId :

SP-2-1DL

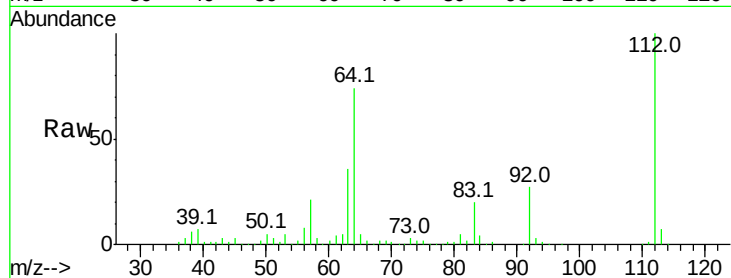
Tot Ion:112 Resp: 286194

Ion Ratio Lower Upper

112 100

64 74.0 52.6 78.8

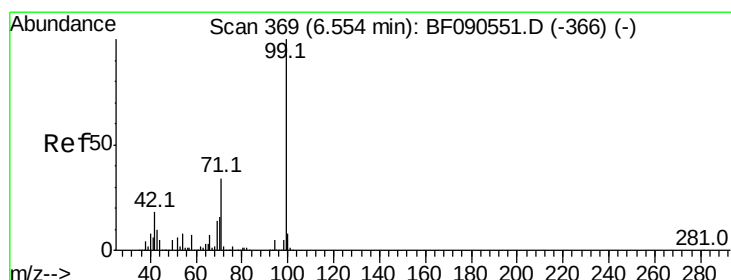
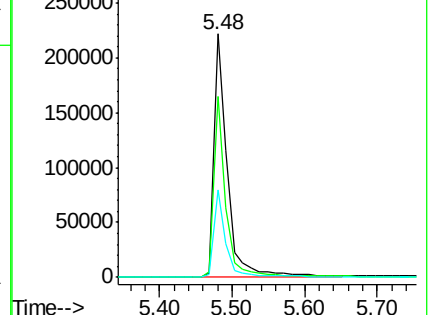
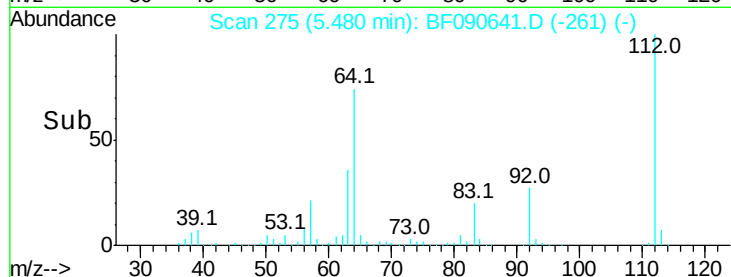
63 36.2 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 19.62 ng

RT: 6.52 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF090641.D

Acq: 19 Oct 2016 11:25

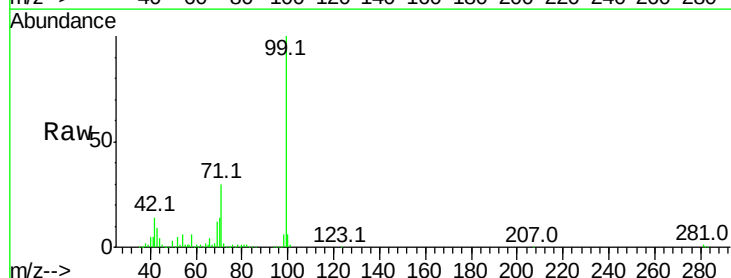
Tgt Ion: 99 Resp: 382099

Ion Ratio Lower Upper

99 100

42 13.9 14.7 22.1#

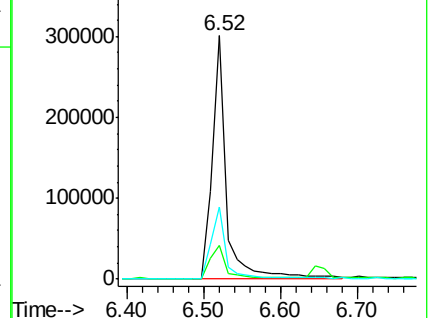
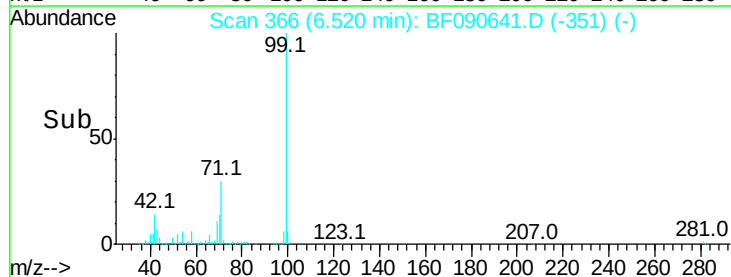
71 29.8 27.6 41.4

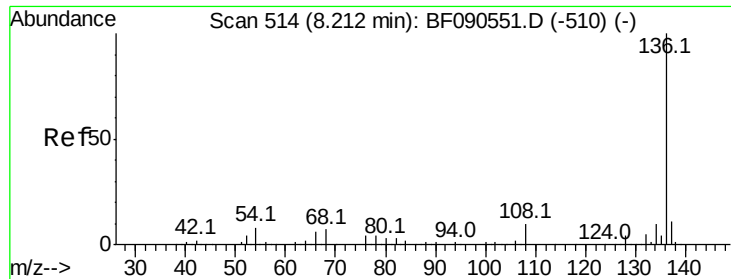


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

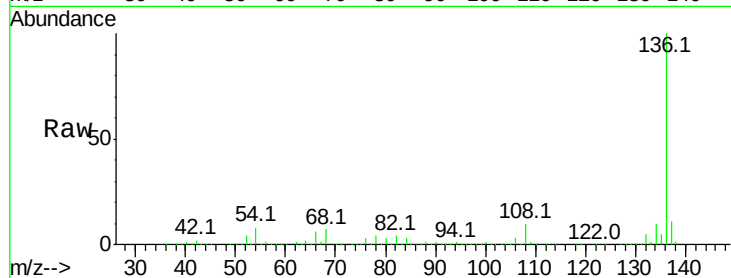




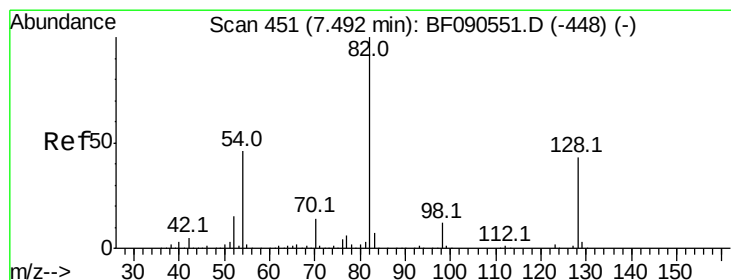
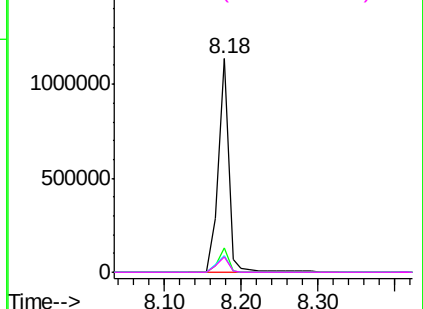
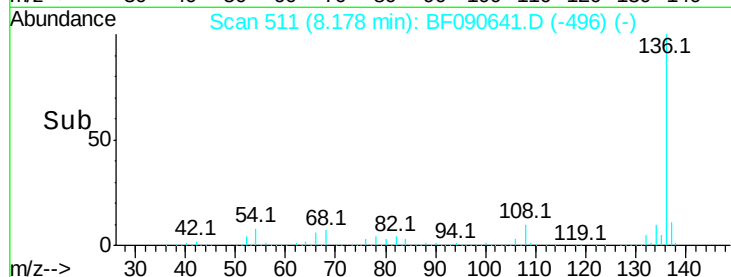
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 511
Delta R.T. -0.02 min
Lab File: BF090641.D
Acq: 19 Oct 2016 11:25

Instrument :
BNA_F
ClientSampleId :
SP-2-1DL

Tot Ion:136 Resp: 1088486
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.0 6.8 10.2
68 7.3 6.0 9.0

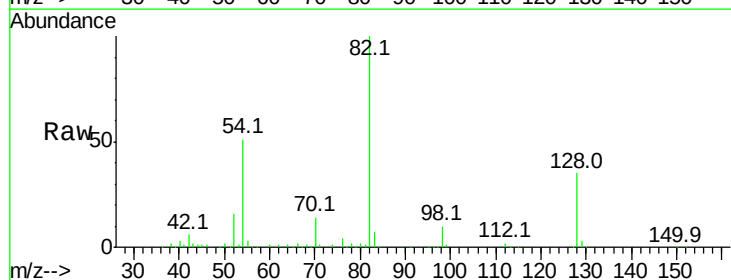


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

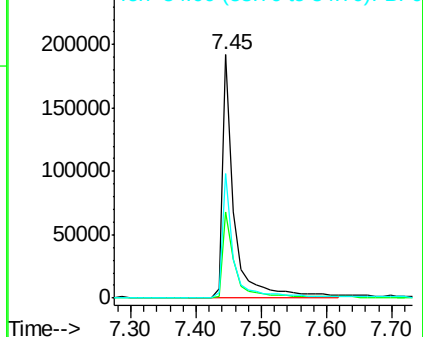
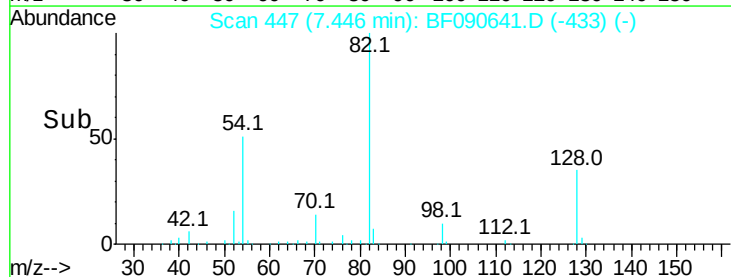


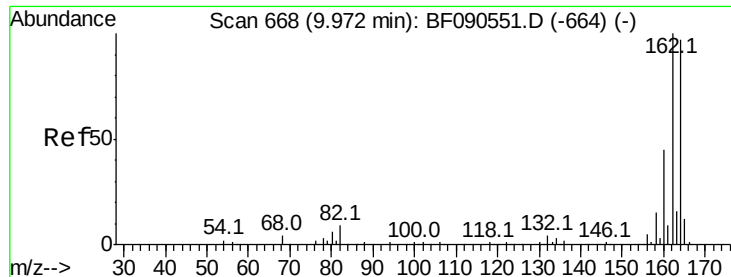
#23
Nitrobenzene-d5
Concen: 12.67 ng
RT: 7.45 min Scan# 447
Delta R.T. -0.03 min
Lab File: BF090641.D
Acq: 19 Oct 2016 11:25

Tgt Ion: 82 Resp: 248172
Ion Ratio Lower Upper
82 100
128 35.2 34.3 51.5
54 51.3 37.0 55.6



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

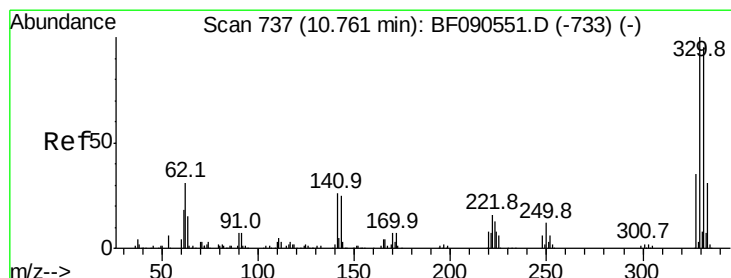
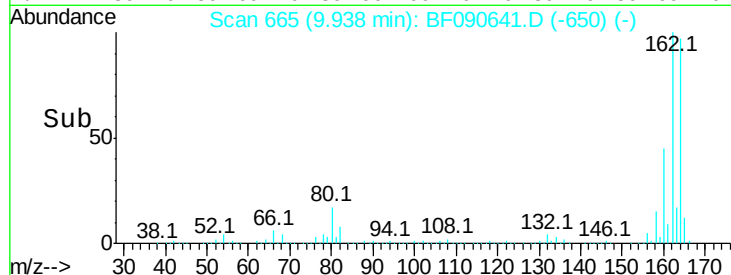
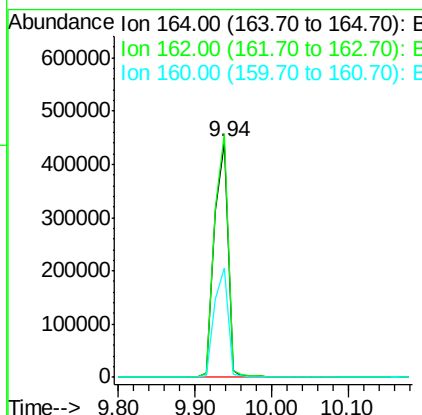
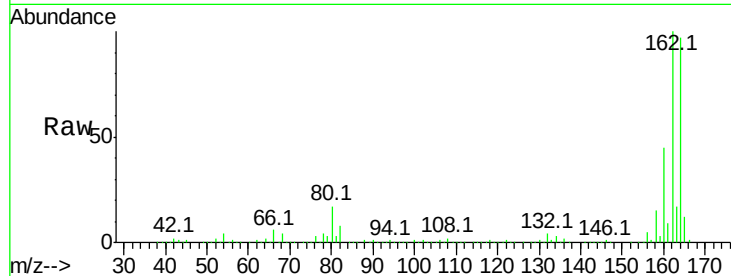




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 665
Delta R.T. -0.02 min
Lab File: BF090641.D
Acq: 19 Oct 2016 11:25

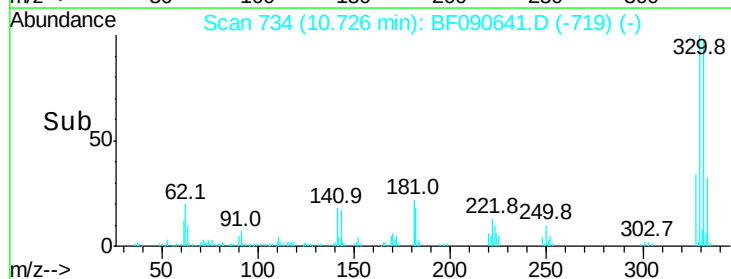
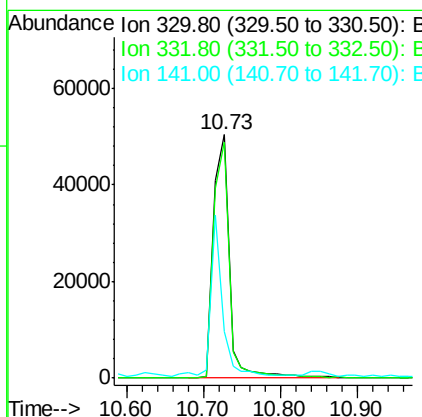
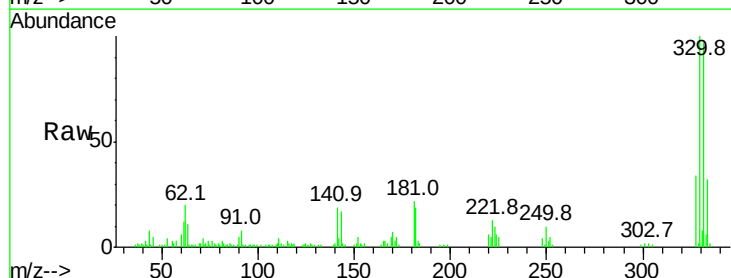
Instrument :
BNA_F
ClientSampled :
SP-2-1DL

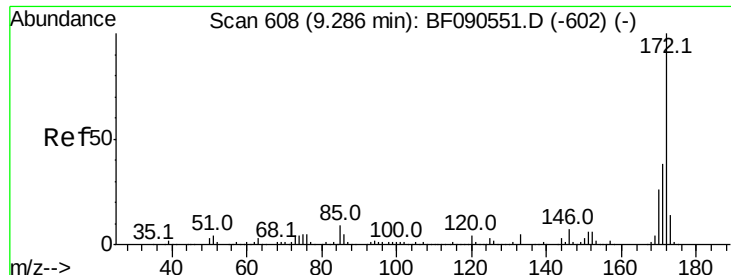
Tot Ion:164 Resp: 543903
Ion Ratio Lower Upper
164 100
162 103.6 82.2 123.4
160 46.7 36.6 55.0



#41
2,4,6-Tribromophenol
Concen: 15.10 ng
RT: 10.73 min Scan# 734
Delta R.T. -0.02 min
Lab File: BF090641.D
Acq: 19 Oct 2016 11:25

Tgt Ion:330 Resp: 73198
Ion Ratio Lower Upper
330 100
332 96.1 76.2 114.2
141 46.9 31.4 47.2

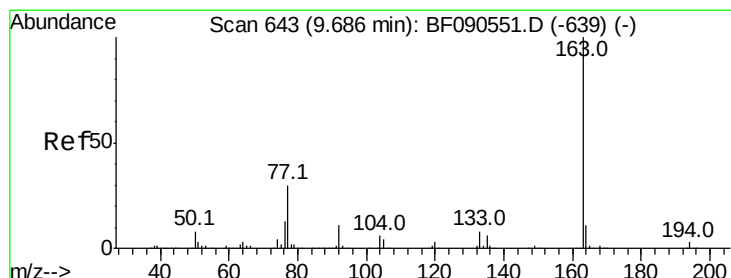
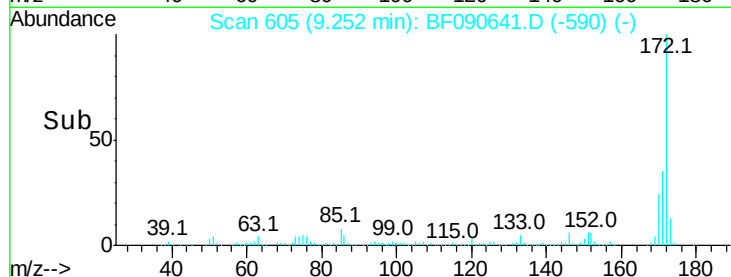
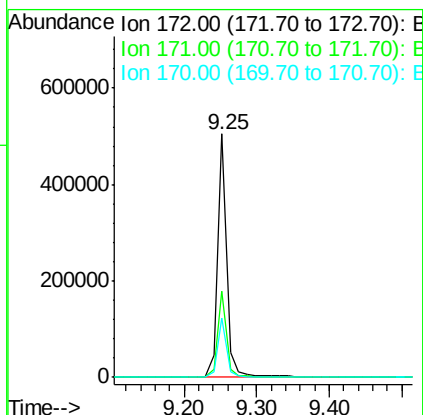
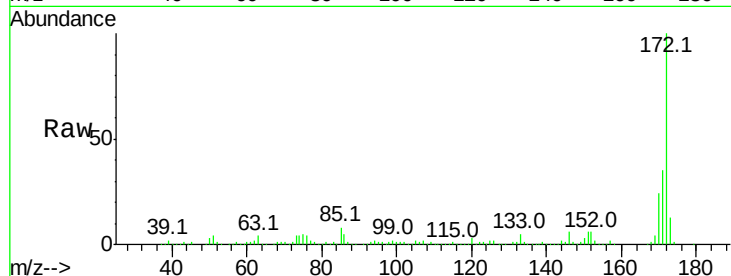




#44
 2-Fluorobiphenyl
 Concen: 13.46 ng
 RT: 9.25 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF090641.D
 Acq: 19 Oct 2016 11:25

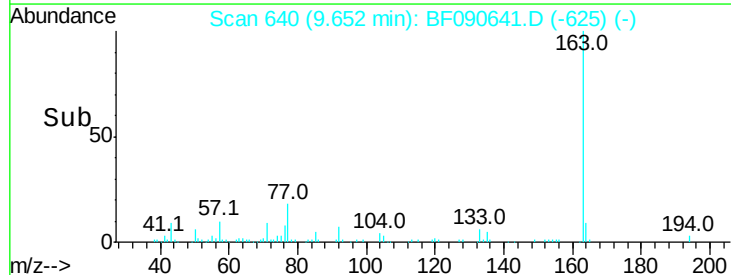
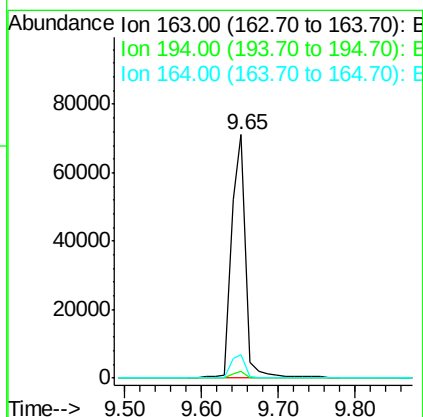
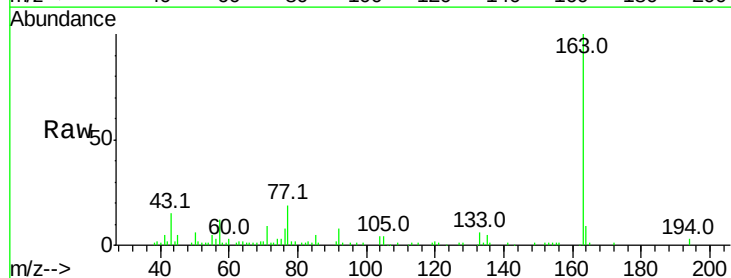
Instrument :
 BNA_F
 ClientSampleId :
 SP-2-1DL

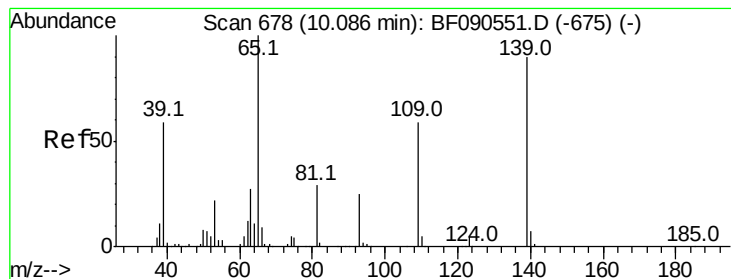
Tot Ion:172 Resp: 444160
 Ion Ratio Lower Upper
 172 100
 171 35.3 30.1 45.1
 170 24.4 20.6 30.8



#49
 Dimethylphthalate
 Concen: 2.65 ng
 RT: 9.65 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: BF090641.D
 Acq: 19 Oct 2016 11:25

Tgt Ion:163 Resp: 93507
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.3 3.5
 164 9.4 8.6 13.0





#55

4-Nitrophenol

Concen: 2.64 ng

RT: 10.13 min Scan# 682

Delta R.T. 0.06 min

Lab File: BF090641.D

Acq: 19 Oct 2016 11:25

Instrument :

BNA_F

ClientSampled :

SP-2-1DL

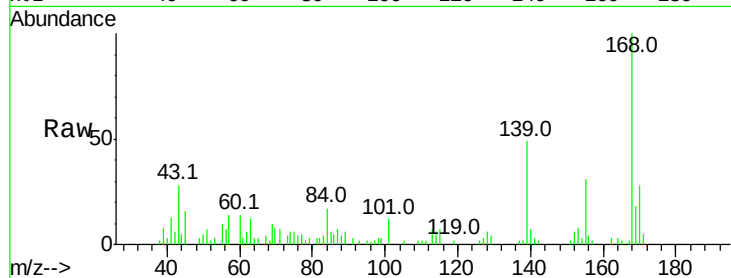
Tot Ion:139 Resp: 15389

Ion Ratio Lower Upper

139 100

109 4.8 45.9 85.9#

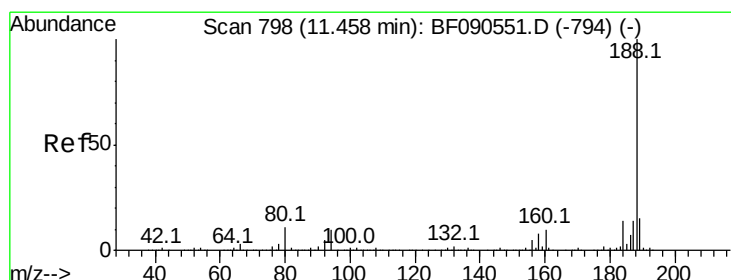
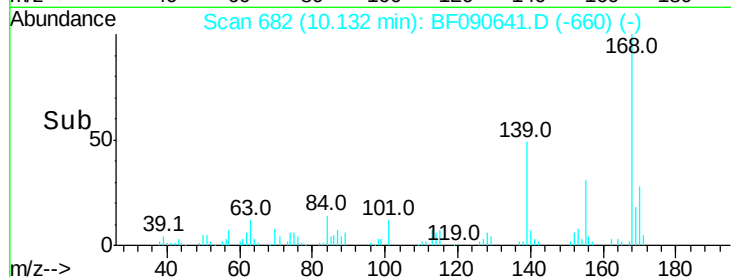
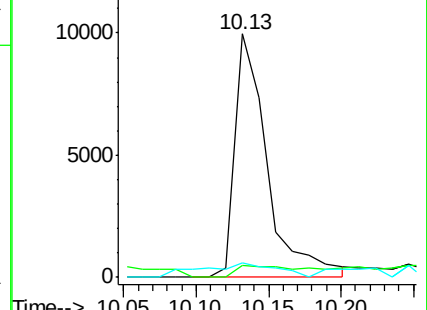
65 6.2 95.8 135.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 795

Delta R.T. -0.02 min

Lab File: BF090641.D

Acq: 19 Oct 2016 11:25

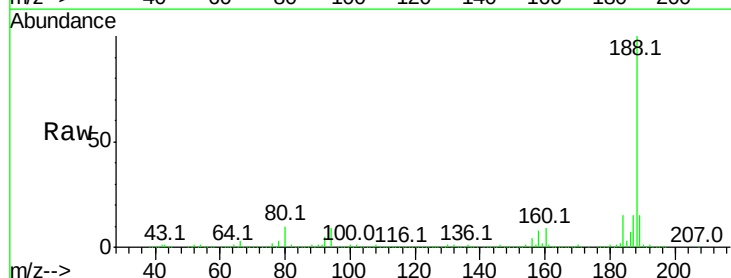
Tgt Ion:188 Resp: 914220

Ion Ratio Lower Upper

188 100

94 9.0 7.7 11.5

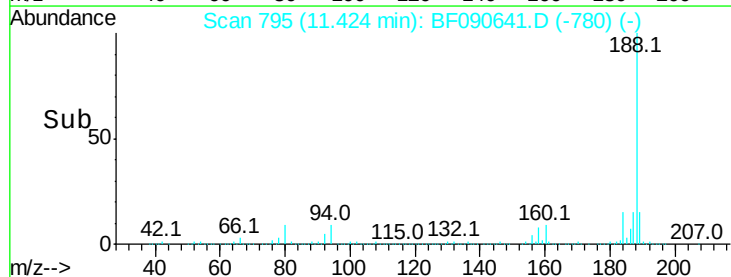
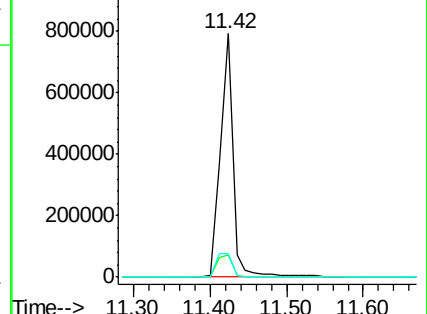
80 9.5 8.6 12.8

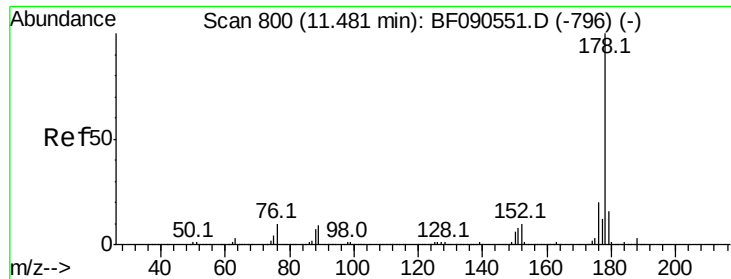


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

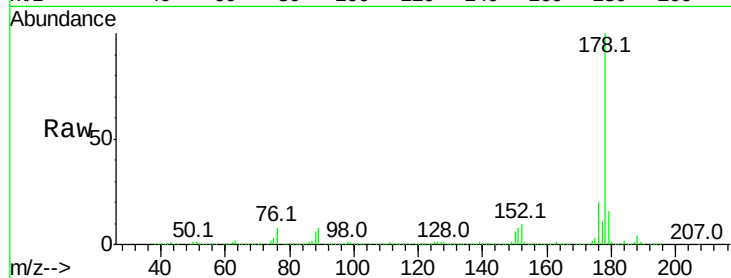




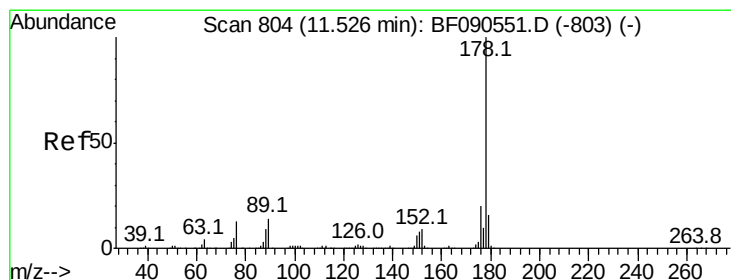
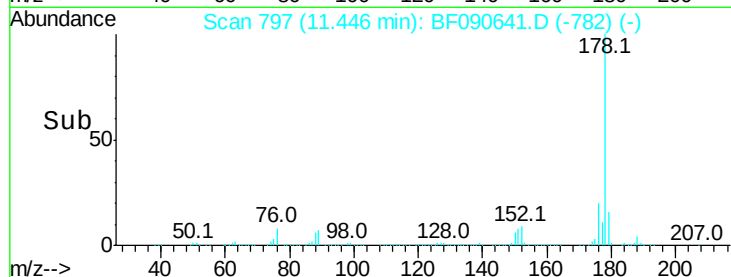
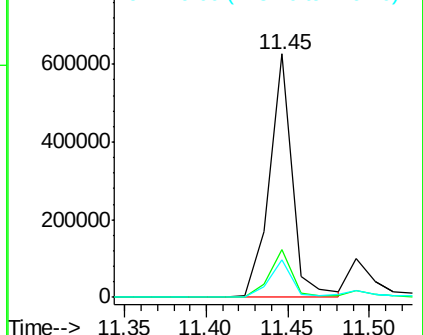
#70
Phenanthrene
Concen: 12.50 ng
RT: 11.45 min Scan# 797
Delta R.T. -0.02 min
Lab File: BF090641.D
Acq: 19 Oct 2016 11:25

Instrument :
BNA_F
ClientSampleId :
SP-2-1DL

Tot Ion:178 Resp: 609805
Ion Ratio Lower Upper
178 100
176 19.6 16.1 24.1
179 15.6 12.6 19.0

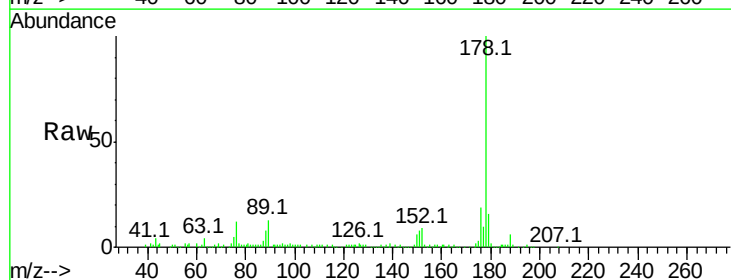


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

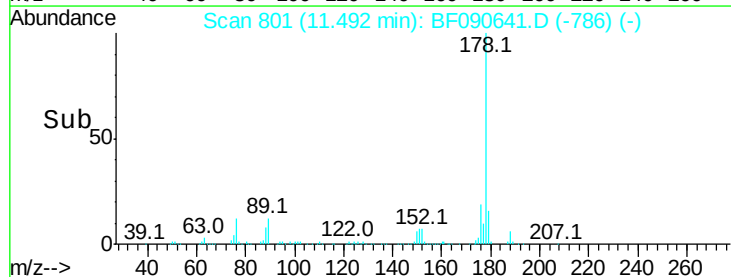
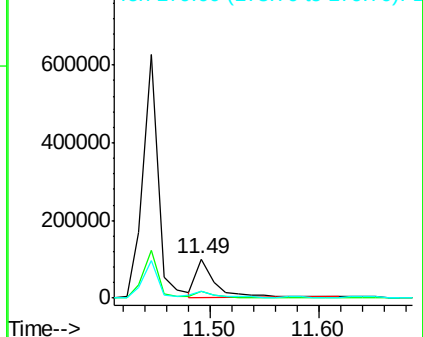


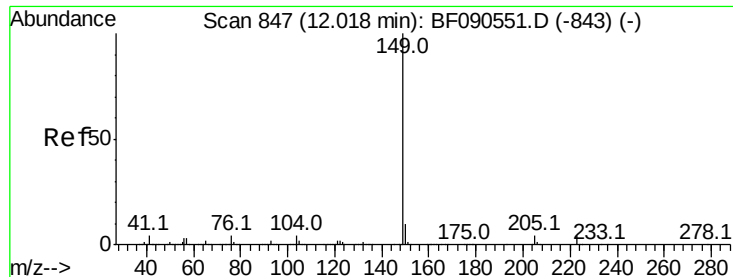
#71
Anthracene
Concen: 2.39 ng
RT: 11.49 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF090641.D
Acq: 19 Oct 2016 11:25

Tgt Ion:178 Resp: 125321
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 16.1 13.0 19.4



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





#73

Di-n-butylphthalate

Concen: 3.15 ng

RT: 11.97 min Scan# 843

Delta R.T. -0.03 min

Lab File: BF090641.D

Acq: 19 Oct 2016 11:25

Instrument :

BNA_F

ClientSampleId :

SP-2-1DL

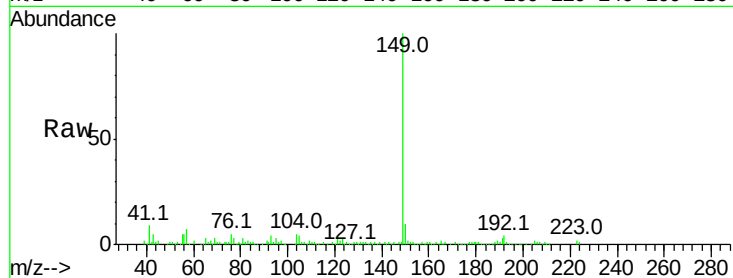
Tot Ion:149 Resp: 173522

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.6

104 4.6 3.3 4.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

11.97

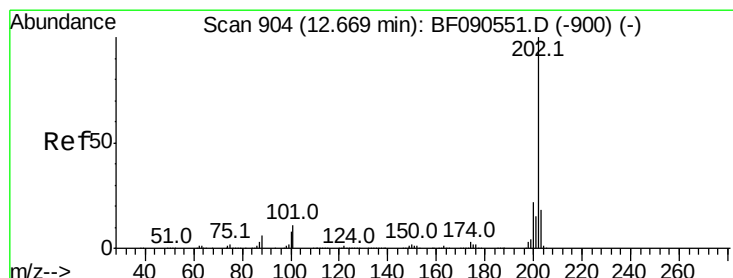
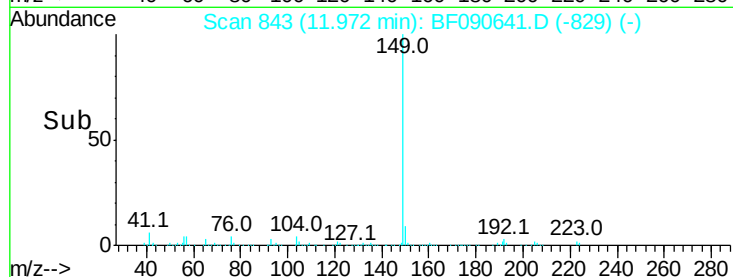
150000

100000

50000

0

Time-->



#74

Fluoranthene

Concen: 20.67 ng

RT: 12.64 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF090641.D

Acq: 19 Oct 2016 11:25

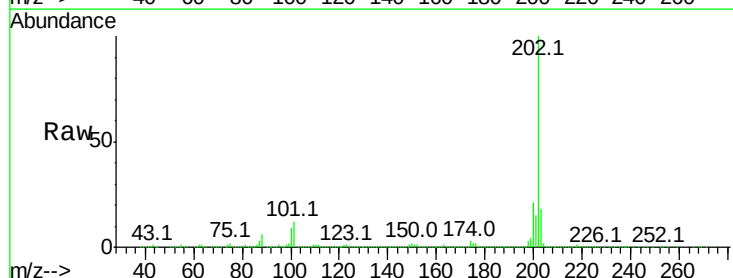
Tgt Ion:202 Resp: 1014715

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.1

203 17.9 0.0 38.0



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

12.64

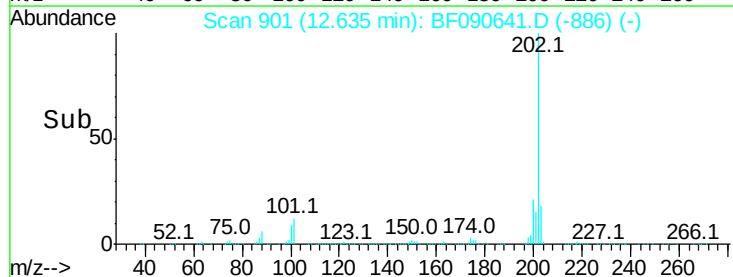
1500000

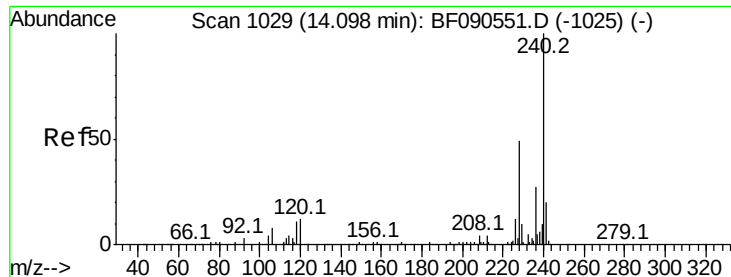
1000000

500000

0

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF090641.D

Acq: 19 Oct 2016 11:25

Instrument :

BNA_F

ClientSampled :

SP-2-1DL

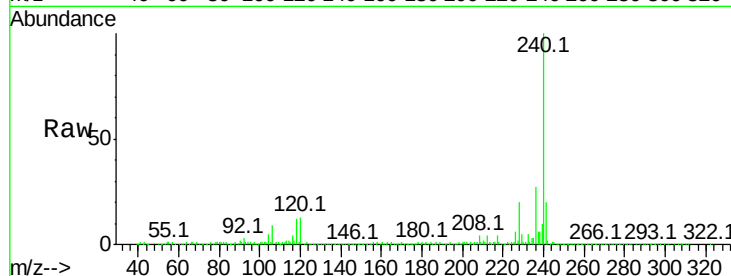
Tot Ion:240 Resp: 755524

Ion Ratio Lower Upper

240 100

120 13.1 9.8 14.8

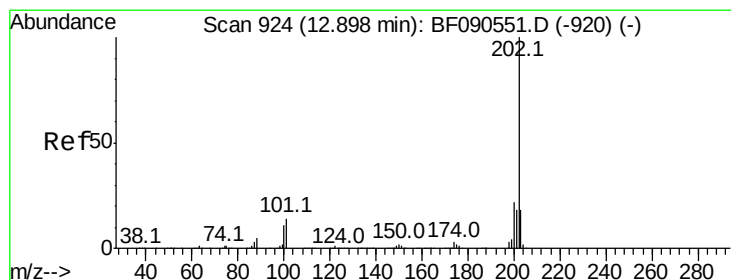
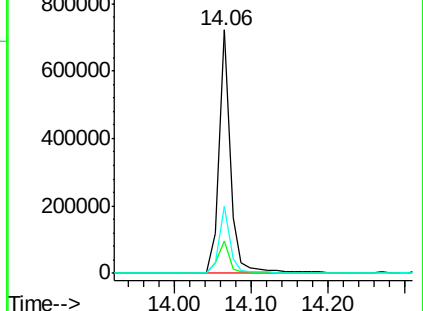
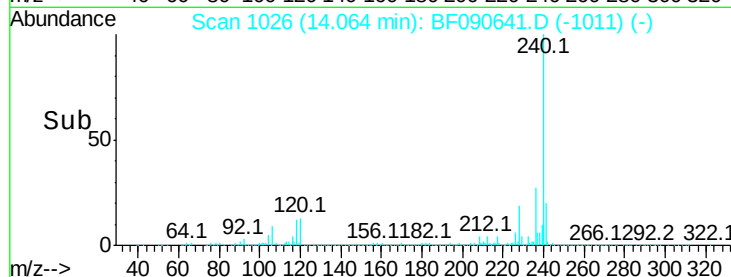
236 27.3 21.7 32.5



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

Pyrene

Concen: 16.47 ng

RT: 12.86 min Scan# 921

Delta R.T. -0.02 min

Lab File: BF090641.D

Acq: 19 Oct 2016 11:25

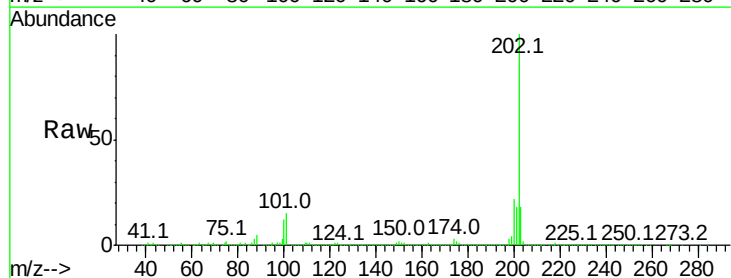
Tgt Ion:202 Resp: 823945

Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.6

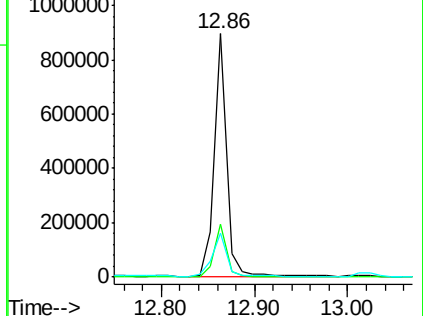
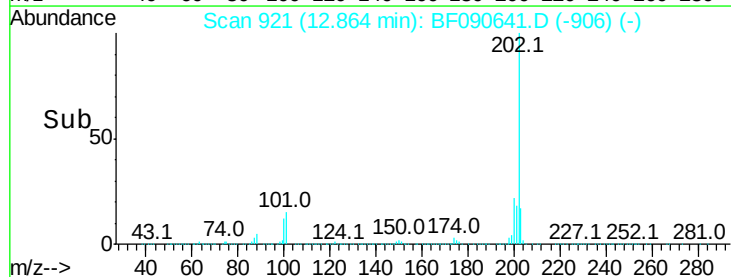
203 18.2 14.6 21.8

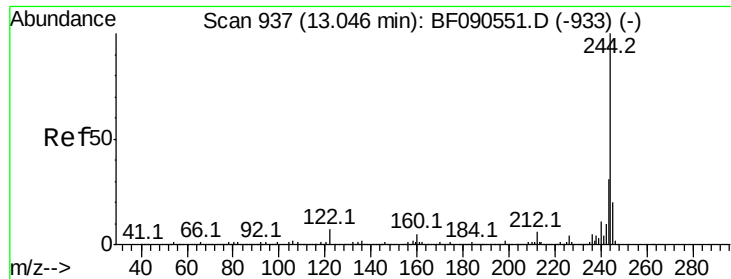


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.66 ng

RT: 13.00 min Scan# 933

Delta R.T. -0.03 min

Lab File: BF090641.D

Acq: 19 Oct 2016 11:25

Instrument :

BNA_F

ClientSampleId :

SP-2-1DL

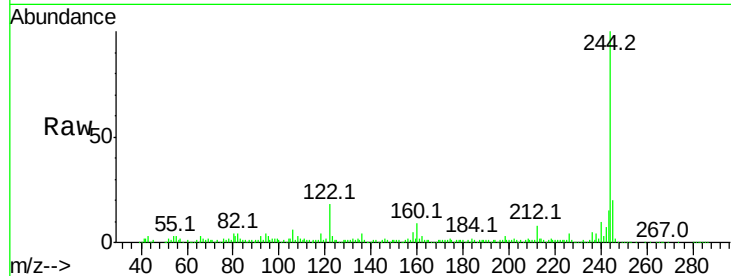
Tot Ion:244 Resp: 410769

Ion Ratio Lower Upper

244 100

212 7.7 5.0 7.4#

122 18.5 5.6 8.4#

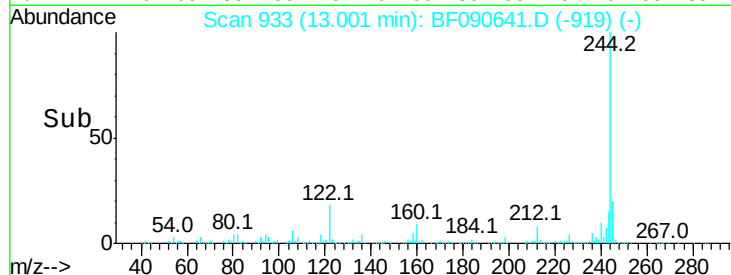


Abundance Ion 244.00 (243.70 to 244.70): E

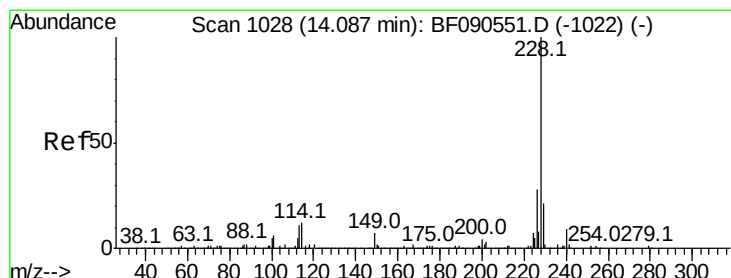
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#80

Benzo(a)anthracene

Concen: 10.94 ng

RT: 14.05 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF090641.D

Acq: 19 Oct 2016 11:25

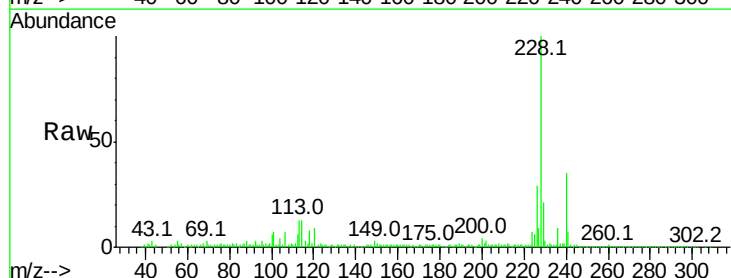
Tgt Ion:228 Resp: 470654

Ion Ratio Lower Upper

228 100

226 29.1 22.8 34.2

229 21.4 16.6 25.0

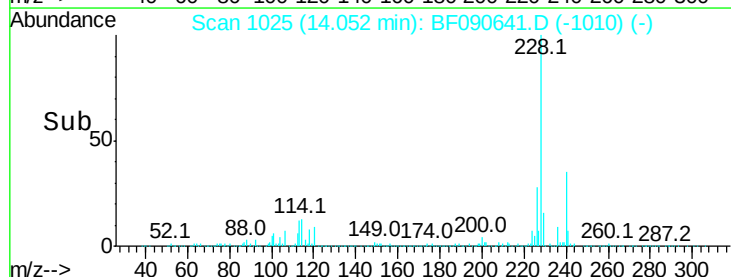


Abundance Ion 228.00 (227.70 to 228.70): E

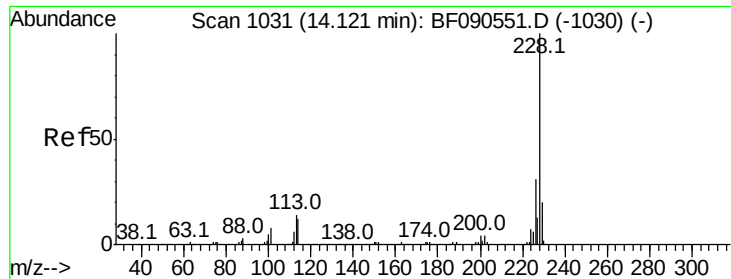
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



Time-->



#82

Chrysene

Concen: 11.36 ng

RT: 14.05 min Scan# 1025

Delta R.T. -0.06 min

Lab File: BF090641.D

Acq: 19 Oct 2016 11:25

Instrument :

BNA_F

ClientSampleId :

SP-2-1DL

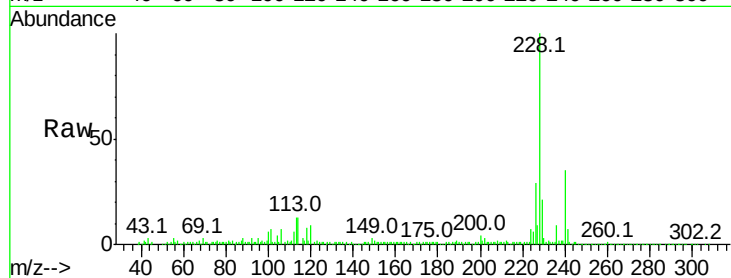
Tot Ion:228 Resp: 470654

Ion Ratio Lower Upper

228 100

226 29.1 24.8 37.2

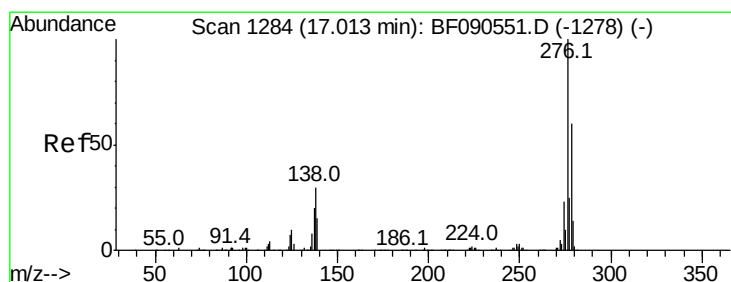
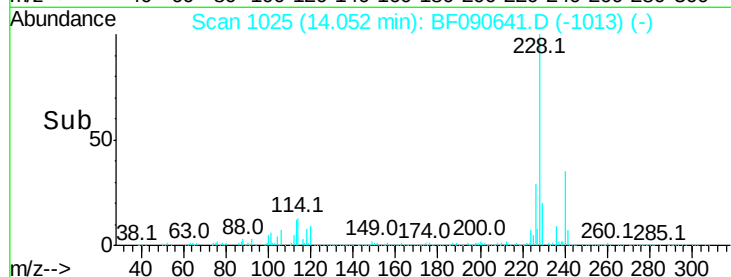
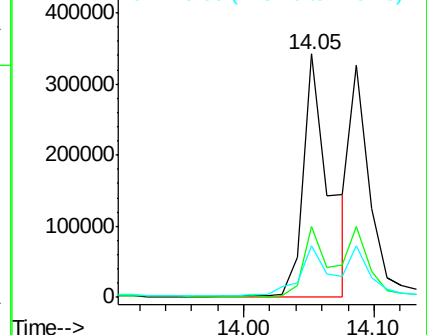
229 21.4 16.2 24.4



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: 7.00 ng

RT: 16.94 min Scan# 1278

Delta R.T. -0.05 min

Lab File: BF090641.D

Acq: 19 Oct 2016 11:25

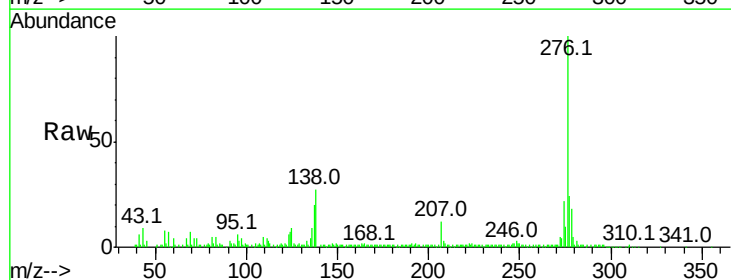
Tgt Ion:276 Resp: 167773

Ion Ratio Lower Upper

276 100

138 26.2 25.8 38.6

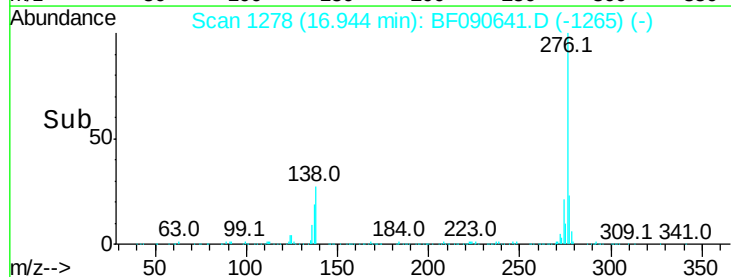
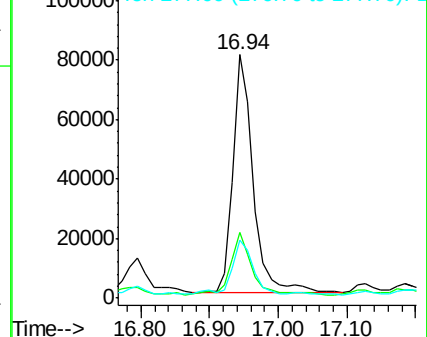
277 23.6 20.1 30.1

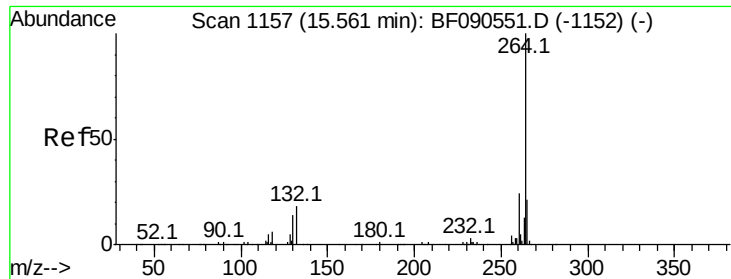


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



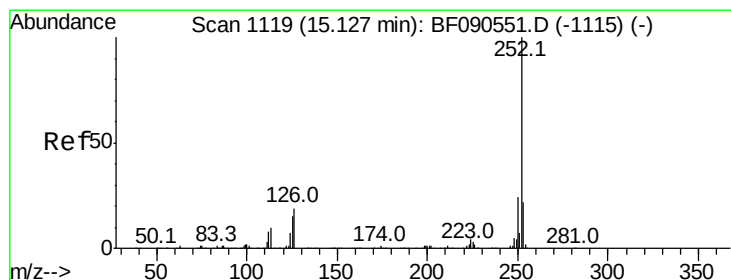
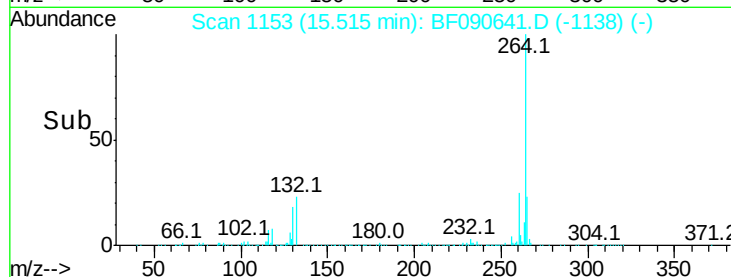
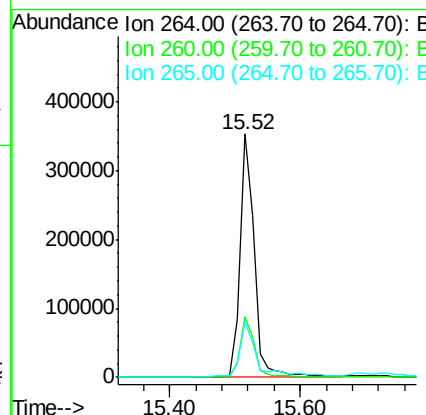
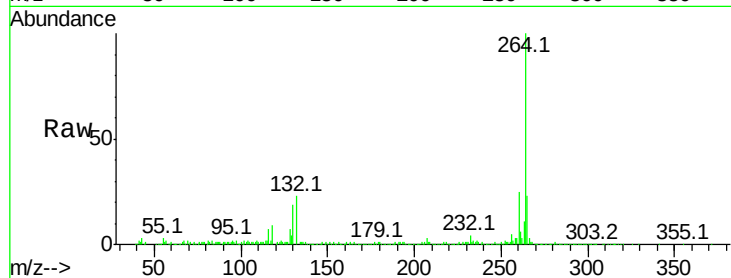


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BF090641.D
Acq: 19 Oct 2016 11:25

Instrument :
BNA_F
ClientSampleId :
SP-2-1DL

Tot Ion:264 Resp: 522019

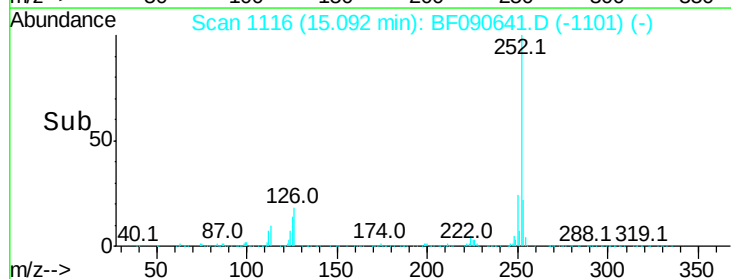
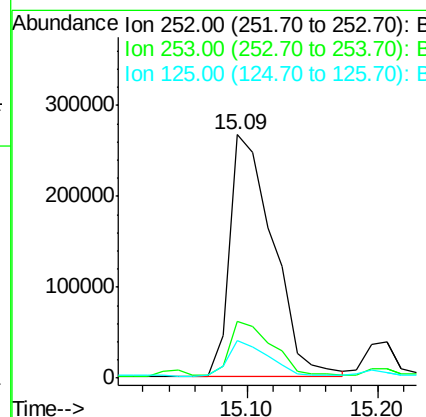
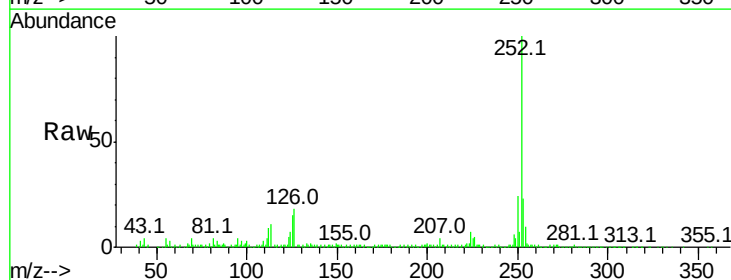
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.3	28.9
265	22.8	16.7	25.1

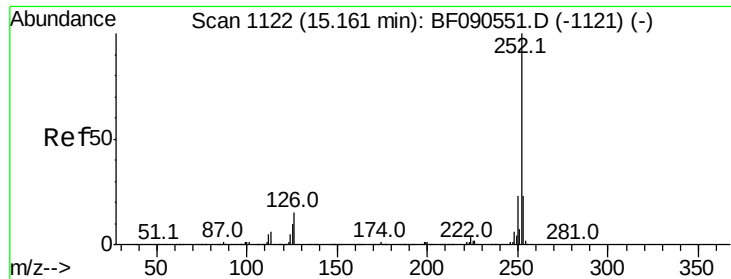


#87
Benzo(b)fluoranthene
Concen: 18.02 ng
RT: 15.09 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF090641.D
Acq: 19 Oct 2016 11:25

Tgt Ion:252 Resp: 615636

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	15.2	12.0	18.0

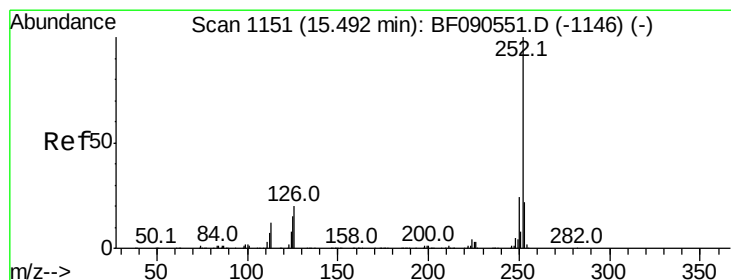
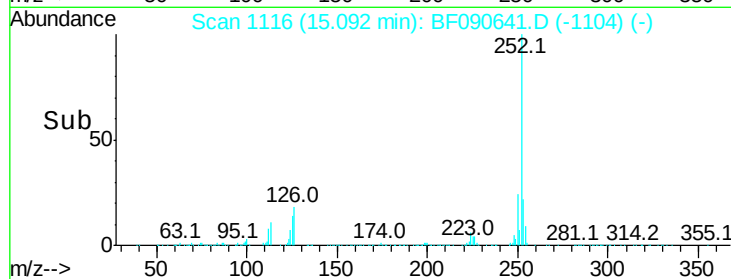
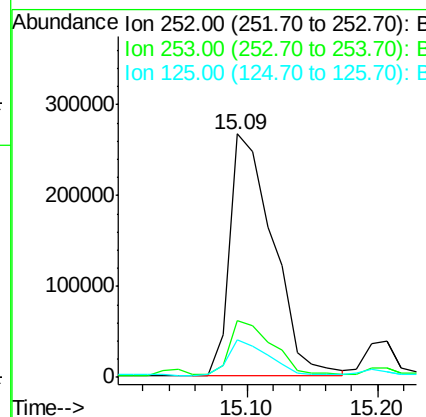
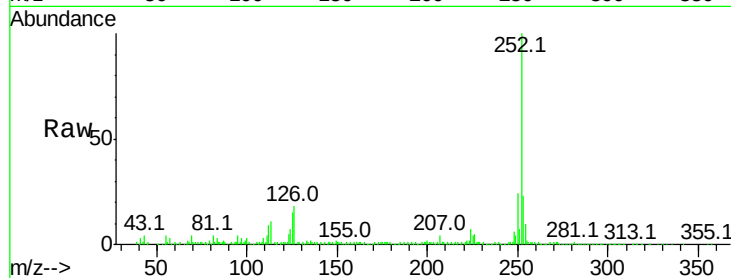




#88
Benzo(k)fluoranthene
Concen: 16.75 ng
RT: 15.09 min Scan# 1116
Delta R.T. -0.06 min
Lab File: BF090641.D
Acq: 19 Oct 2016 11:25

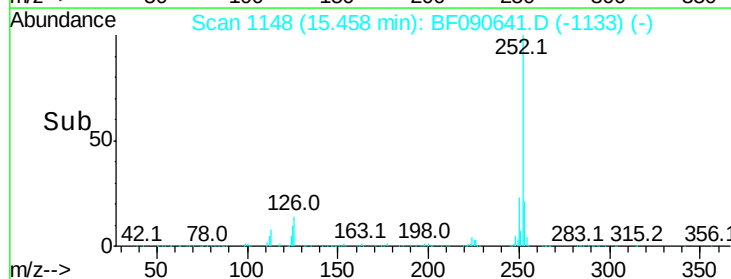
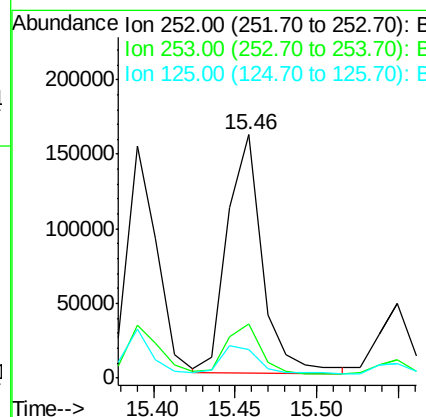
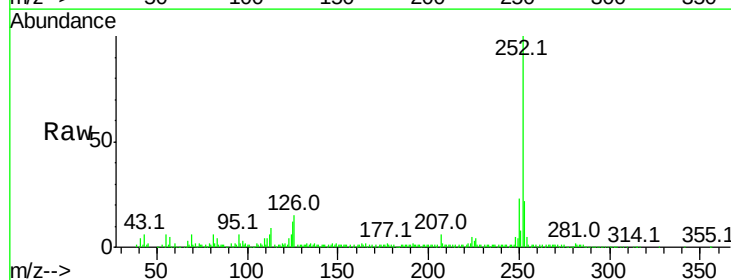
Instrument :
BNA_F
ClientSampleId :
SP-2-1DL

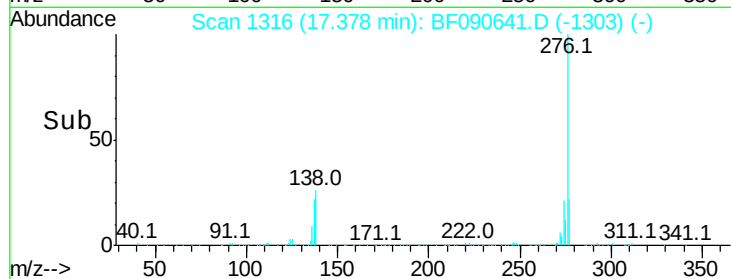
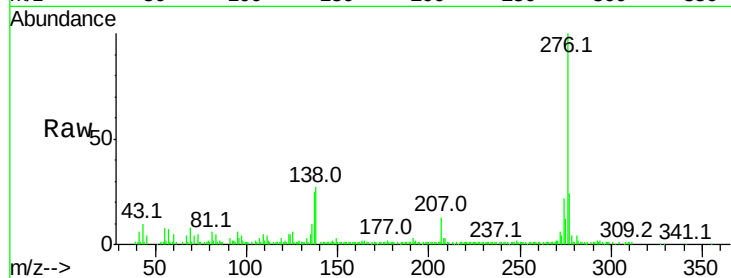
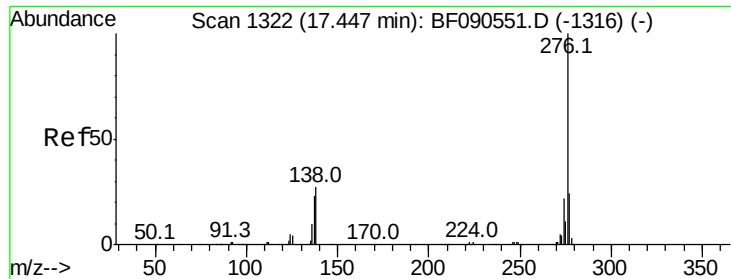
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	15.2	10.0	15.0#



#89
Benzo(a)pyrene
Concen: 7.57 ng
RT: 15.46 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF090641.D
Acq: 19 Oct 2016 11:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	11.6	12.3	18.5#





#91

Benzo(a,h,i)perylene

Concen: 6.55 ng

RT: 17.38 min Scan# 1316

Delta R.T. -0.05 min

Lab File: BF090641.D

Acq: 19 Oct 2016 11:25

Instrument :

BNA_F

ClientSampleId :

SP-2-1DL

Tot Ion:276 Resp: 148922

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 27.2 21.8 32.8

