

Data Path : \\TSCIENT\Z\HPCHEM1\BNA F\DATA\BF022615\
 Data File : BF077500.D
 Acq On : 27 Feb 2015 9:45
 Operator : TP/IZ
 Sample : G1385-07DL 10X
 Misc : S
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 10:37:00 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 07:02:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	74636	20.00	ng	0.00
21) Naphthalene-d8	8.84	136	283967	20.00	ng	0.00
38) Acenaphthene-d10	11.02	164	142622	20.00	ng	0.00
63) Phenanthrene-d10	12.87	188	296487	20.00	ng	0.00
75) Chrysene-d12	16.16	240	316113	20.00	ng	0.01
86) Perylene-d12	17.92	264	293605	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	26362	5.90	ng	0.00
7) Phenol-d6	6.82	99	35307	6.14	ng	0.00
23) Nitrobenzene-d5	7.96	82	22442	4.91	ng	0.00
41) 2,4,6-Tribromophenol	12.00	330	8701	6.34	ng	0.00
44) 2-Fluorobiphenyl	10.19	172	54151	5.92	ng	0.00
78) Terphenyl-d14	14.86	244	64030	4.74	ng	0.00

Target Compounds

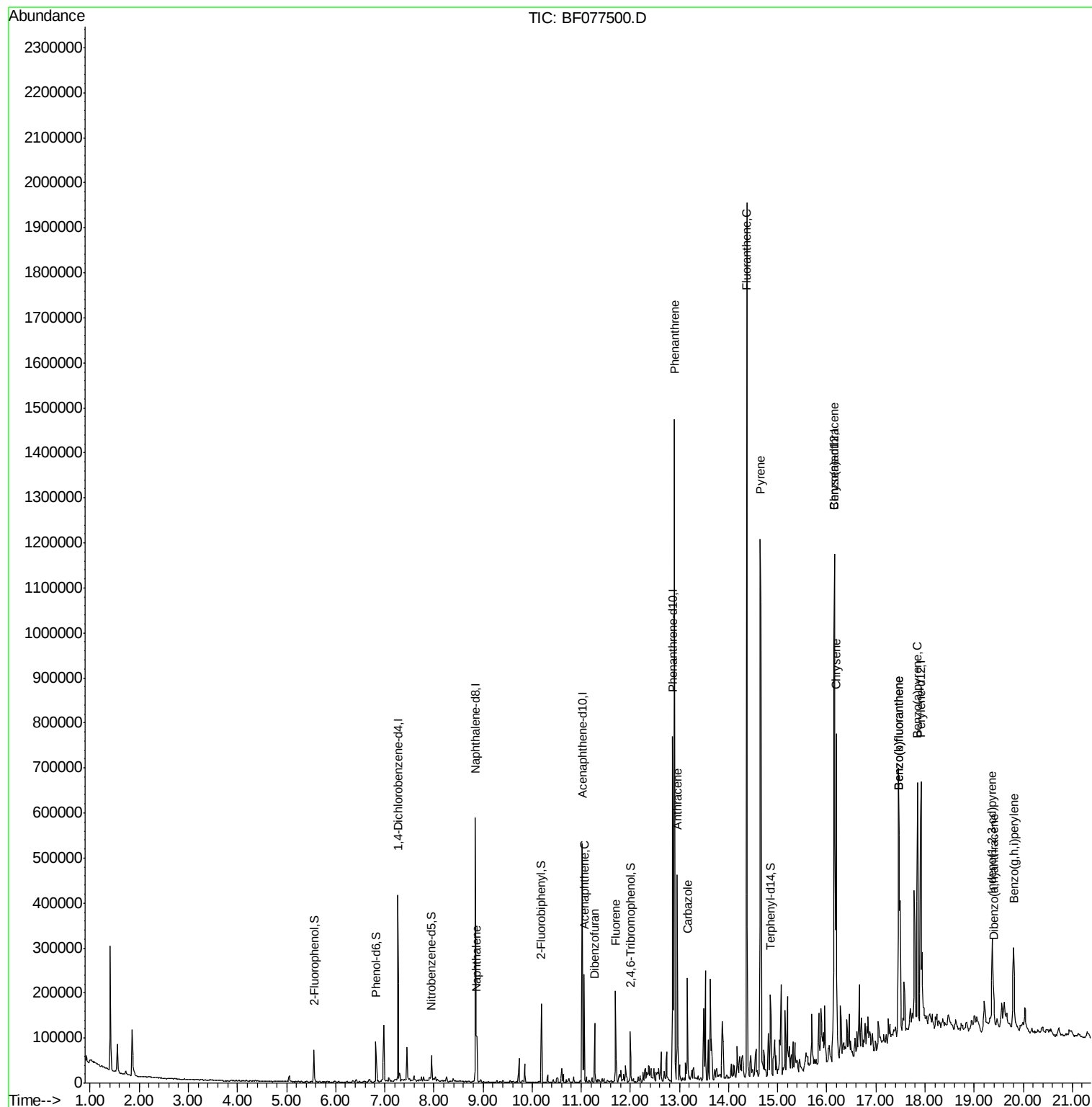
						Qvalue
31) Naphthalene	8.87	128	70108	4.94	ng	98
51) Acenaphthene	11.06	154	52643	6.58	ng	100
54) Dibenzofuran	11.28	168	51973	4.20	ng	97
57) Fluorene	11.70	166	57096	5.78	ng	95
70) Phenanthrene	12.90	178	716601	41.70	ng	99
71) Anthracene	12.96	178	180238	10.57	ng	99
72) Carbazole	13.16	167	92681	5.72	ng	99
74) Fluoranthene	14.37	202	818231	43.59	ng	98
77) Pyrene	14.65	202	683967	35.37	ng	100
80) Benzo(a)anthracene	16.15	228	376833	20.34	ng	100
82) Chrysene	16.19	228	294143	16.91	ng	97
85) Indeno(1,2,3-cd)pyrene	19.37	276	148928	7.51	ng	96
87) Benzo(b)fluoranthene	17.47	252	507282	29.71	ng	# 97
88) Benzo(k)fluoranthene	17.47	252	508139	30.37	ng	98
89) Benzo(a)pyrene	17.85	252	252962	15.56	ng	99
90) Dibenzo(a,h)anthracene	19.39	278	34802	2.24	ng	# 92
91) Benzo(g,h,i)perylene	19.81	276	140658	8.99	ng	94

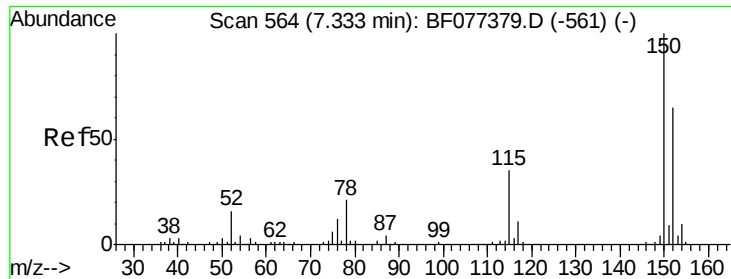
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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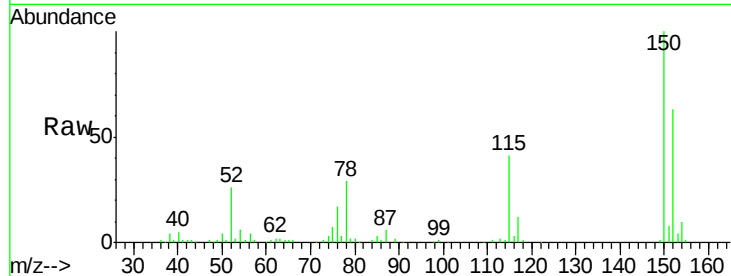


#1

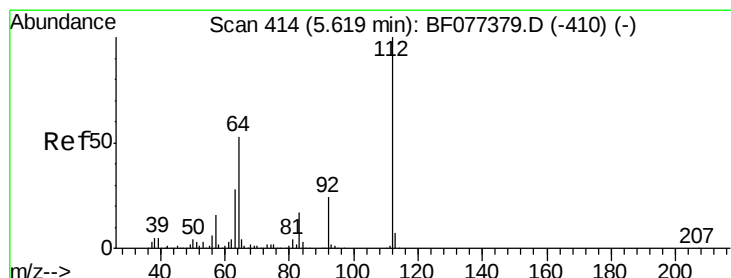
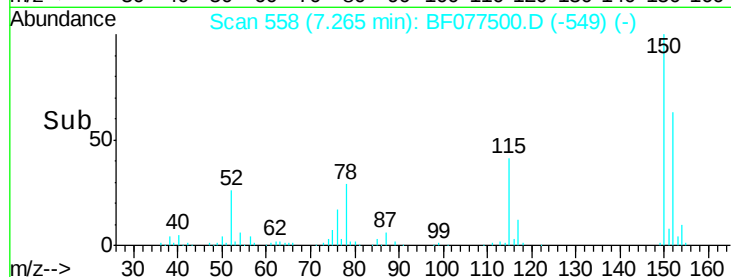
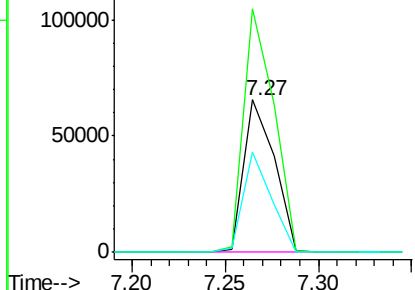
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.27 min Scan# 558
Delta R.T. 0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 74636
Ion Ratio Lower Upper
152 100
150 159.9 124.0 186.0
115 65.8 49.4 74.2



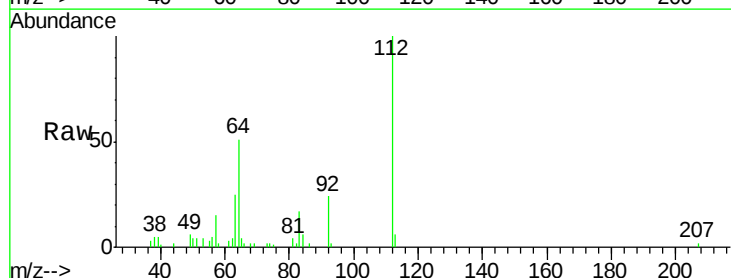
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



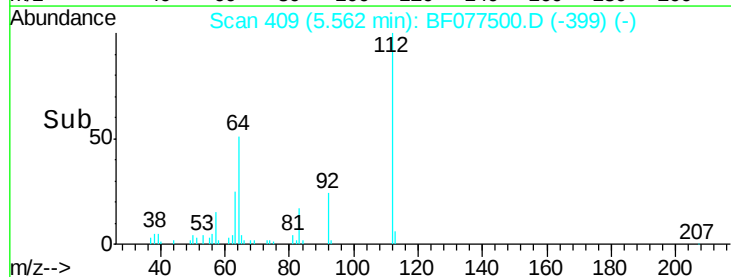
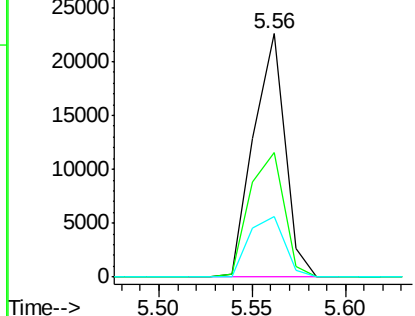
#5

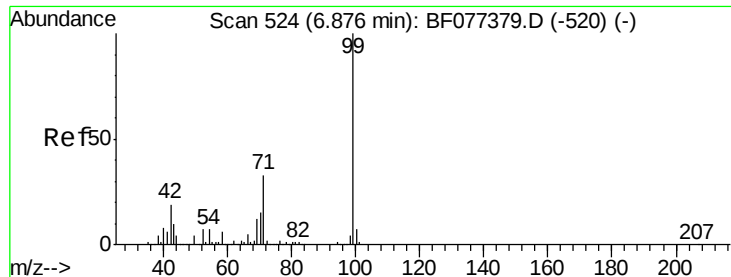
2-Fluorophenol
Concen: 5.90 ng
RT: 5.56 min Scan# 409
Delta R.T. 0.01 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Tgt Ion:112 Resp: 26362
Ion Ratio Lower Upper
112 100
64 51.2 48.5 72.7
63 25.1 25.0 37.4



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: 6.14 ng

RT: 6.82 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Instrument :

BNA_F

ClientSampleId :

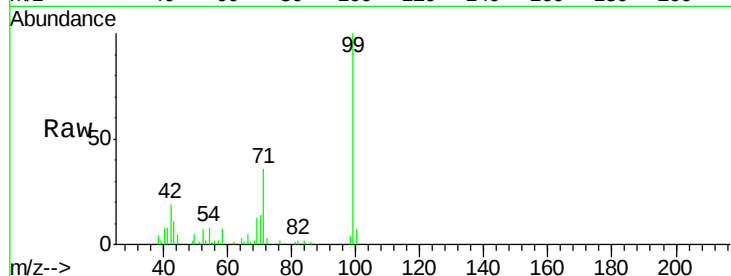
Tot Ion: 99 Resp: 35307

Ion Ratio Lower Upper

99 100

42 19.4 16.2 24.4

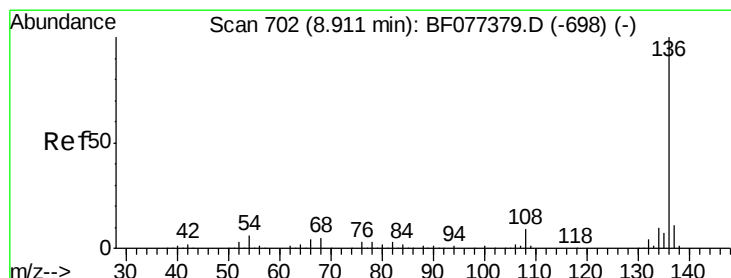
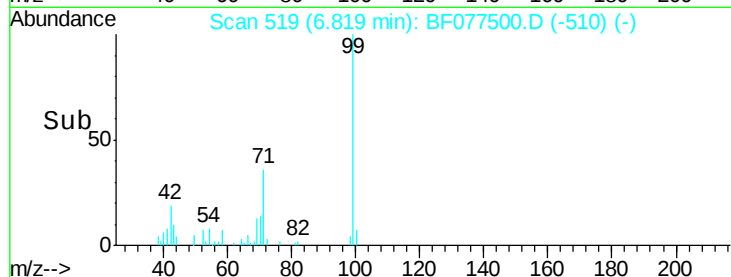
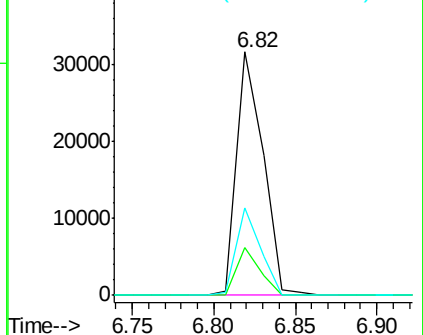
71 35.8 26.7 40.1



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: 8.84 min Scan# 696

Delta R.T. 0.00 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Tgt Ion: 136 Resp: 283967

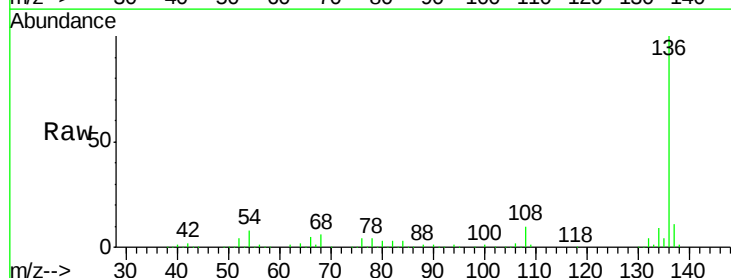
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.3 6.2 9.4

68 6.1 5.0 7.6

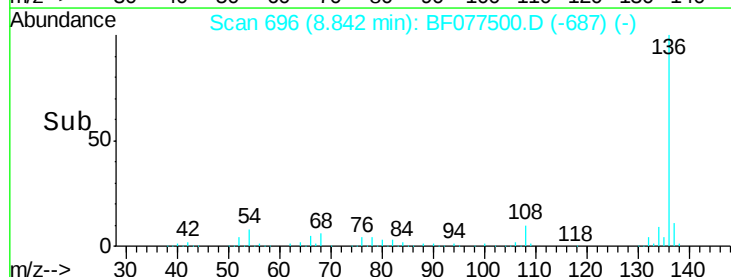
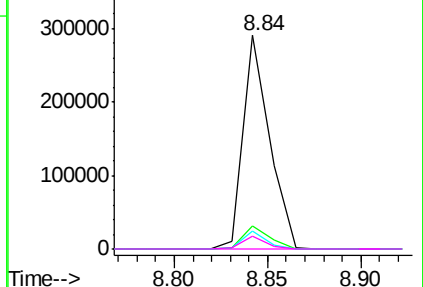


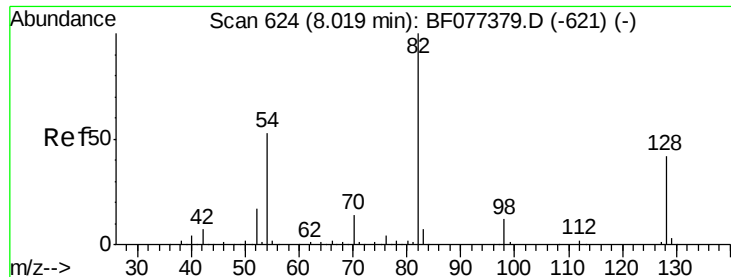
Abundance Ion 136.00 (135.70 to 136.70): E

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

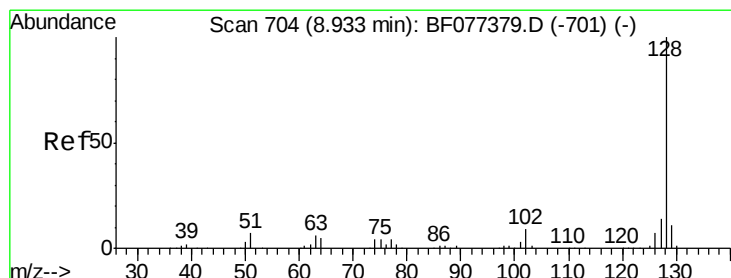
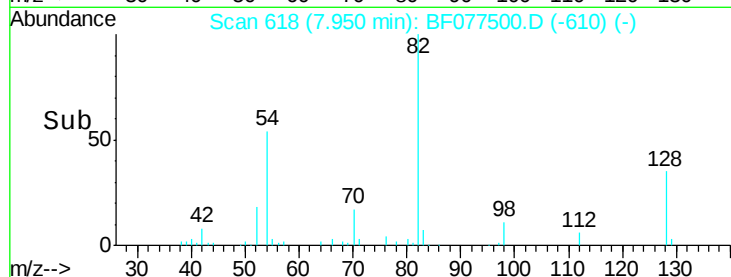
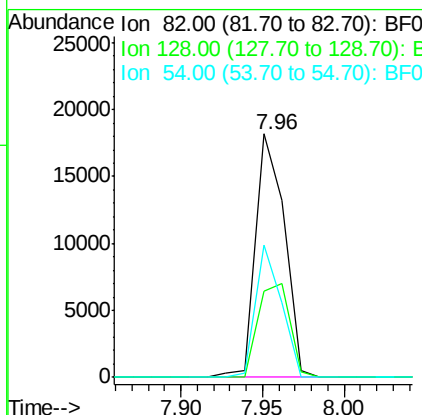
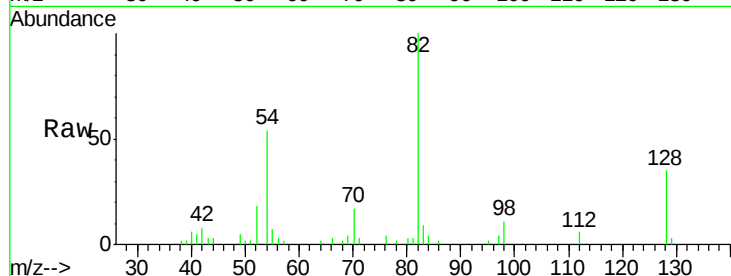




#23
 Nitrobenzene-d5
 Concen: 4.91 ng
 RT: 7.96 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF077500.D
 Acq: 27 Feb 2015 9:45

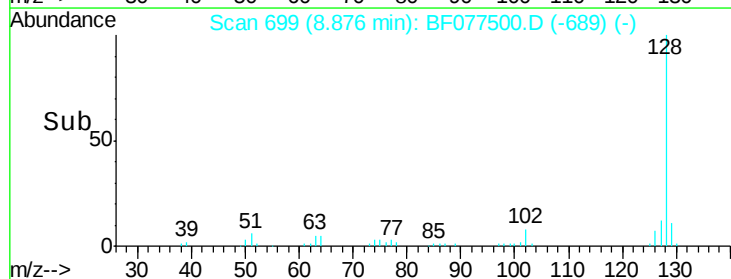
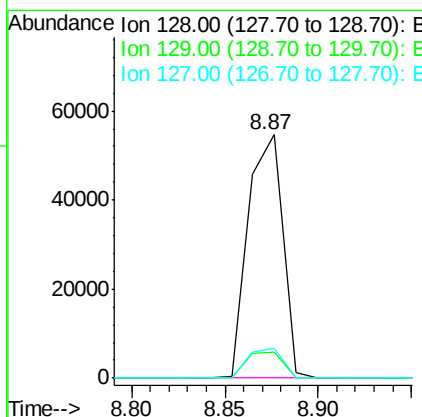
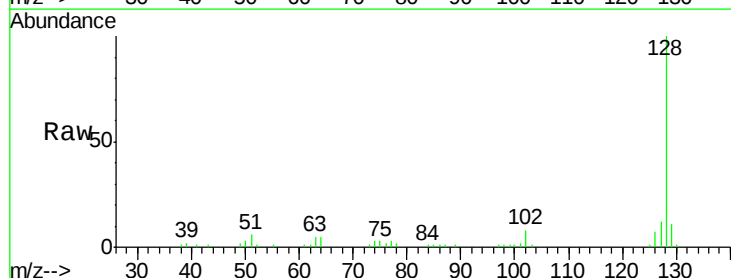
Instrument :
 BNA_F
 ClientSampleId :

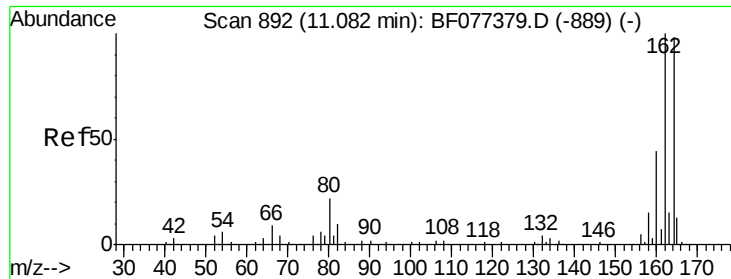
Tot Ion	82	Resp	22442
Ion Ratio	100	Lower	Upper
128	35.2	43.8	65.8#
54	54.4	36.7	55.1



#31
 Naphthalene
 Concen: 4.94 ng
 RT: 8.87 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: BF077500.D
 Acq: 27 Feb 2015 9:45

Tgt Ion	128	Resp	70108
Ion Ratio	100	Lower	Upper
129	10.8	9.4	14.0
127	12.3	10.6	15.8

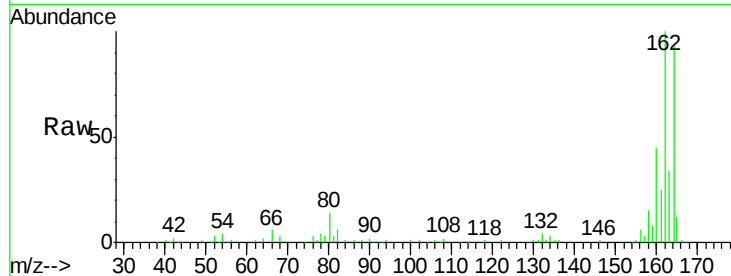




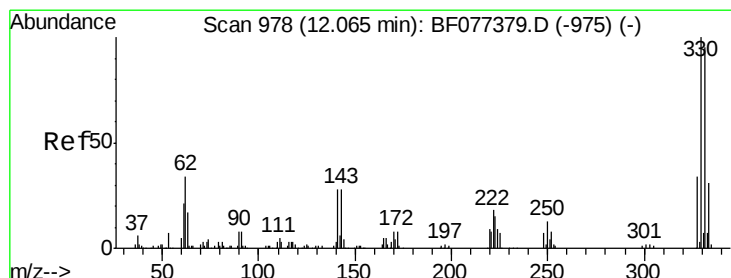
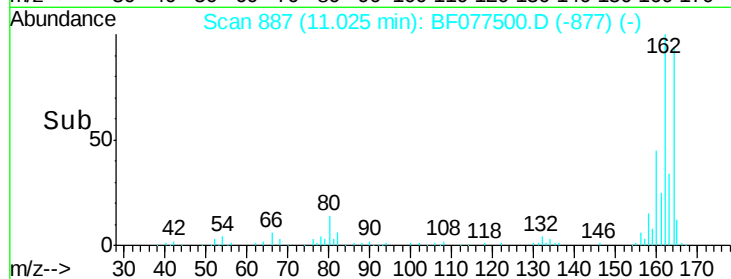
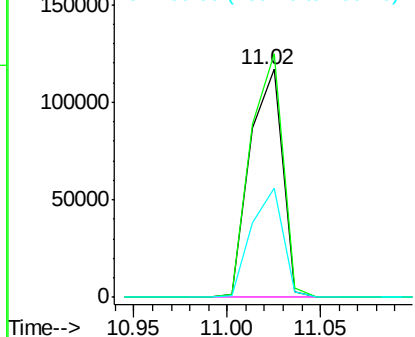
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 887
Delta R.T. 0.01 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 142622
Ion Ratio Lower Upper
164 100
162 106.9 83.2 124.8
160 48.1 34.6 52.0

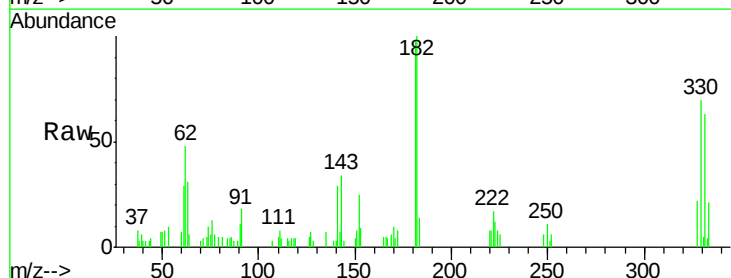


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

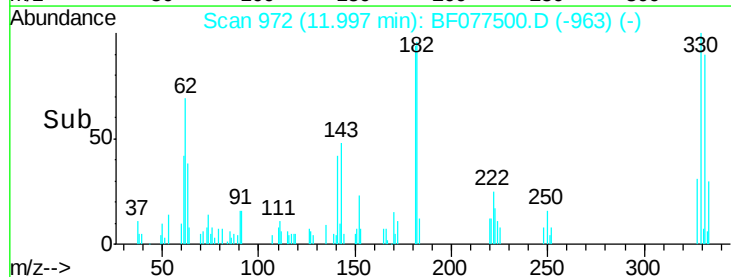
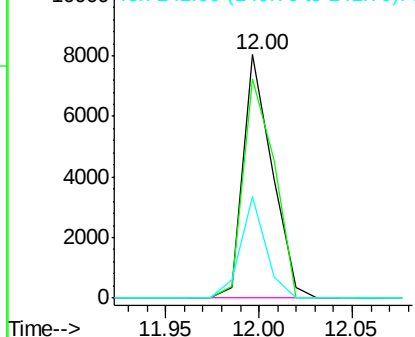


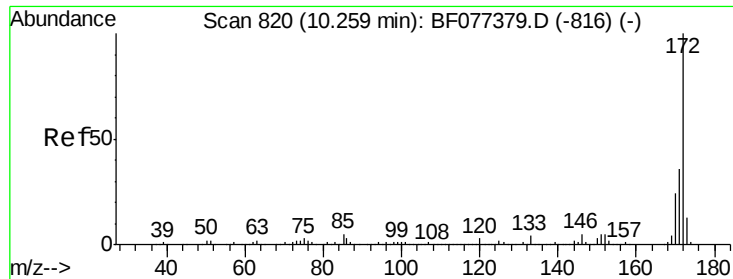
#41
2,4,6-Tribromophenol
Concen: 6.34 ng
RT: 12.00 min Scan# 972
Delta R.T. 0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Tgt Ion:330 Resp: 8701
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.2
141 36.8 28.8 43.2



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

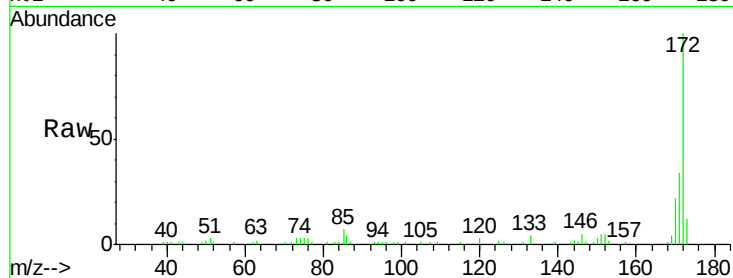




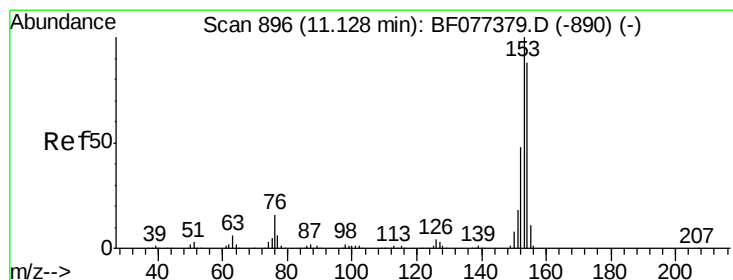
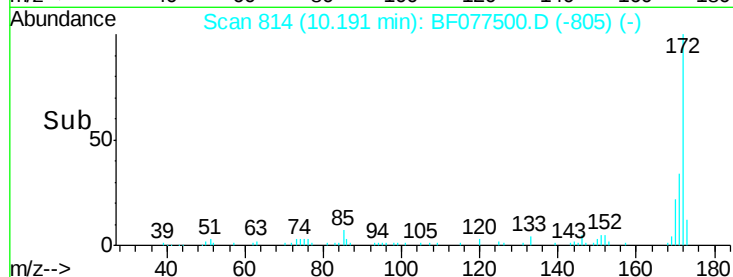
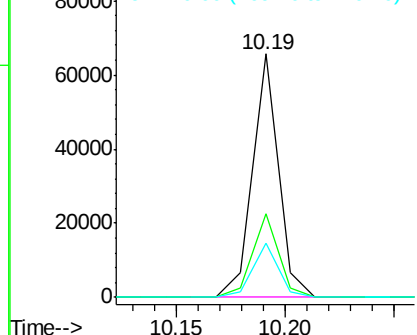
#44
2-Fluorobiphenyl
Concen: 5.92 ng
RT: 10.19 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 54151
Ion Ratio Lower Upper
172 100
171 34.4 28.9 43.3
170 22.0 19.4 29.2

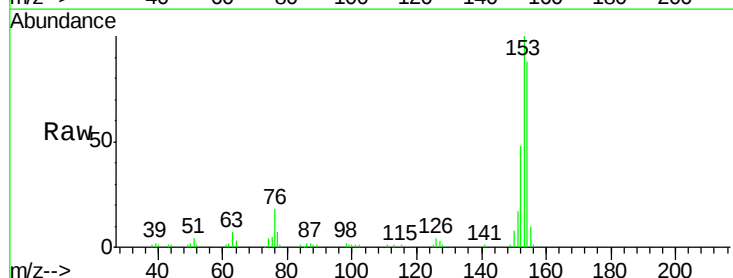


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

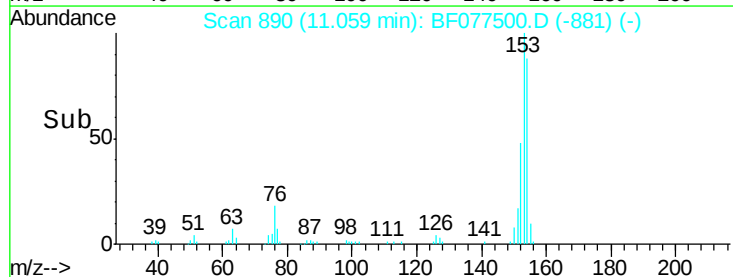
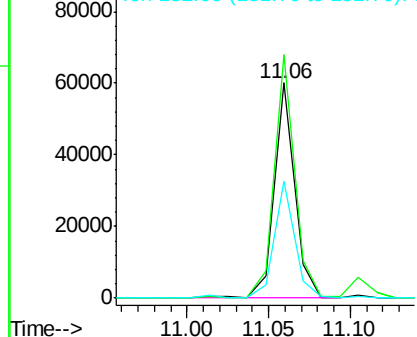


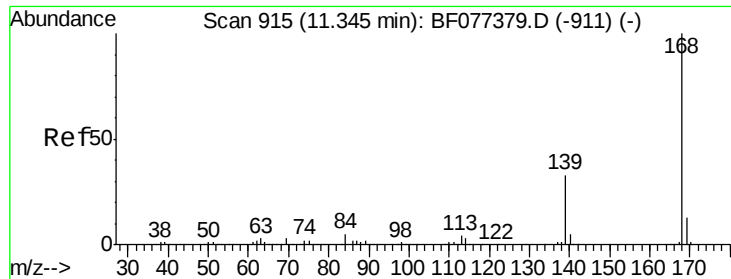
#51
Acenaphthene
Concen: 6.58 ng
RT: 11.06 min Scan# 890
Delta R.T. 0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Tgt Ion:154 Resp: 52643
Ion Ratio Lower Upper
154 100
153 113.0 90.5 135.7
152 54.3 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

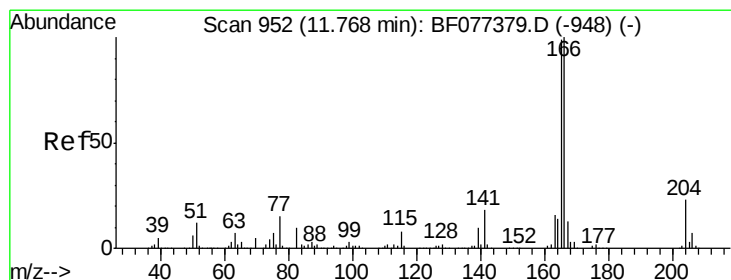
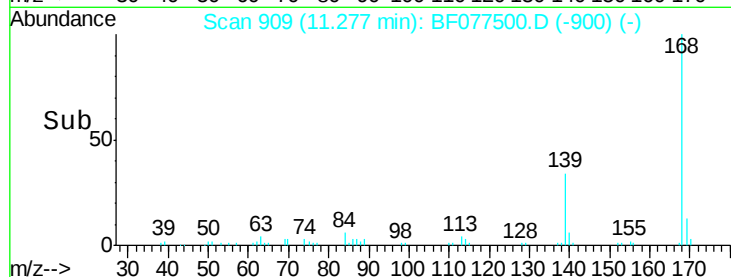
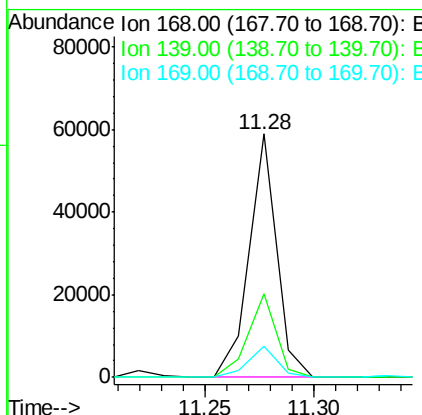
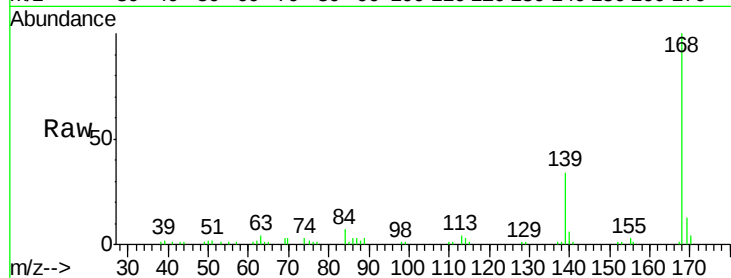




#54
Dibenzenofuran
Concen: 4.20 ng
RT: 11.28 min Scan# 909
Delta R.T. -0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

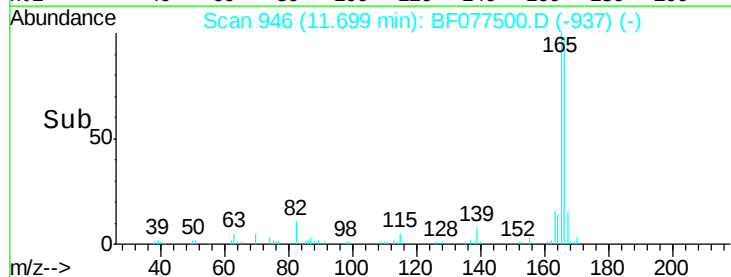
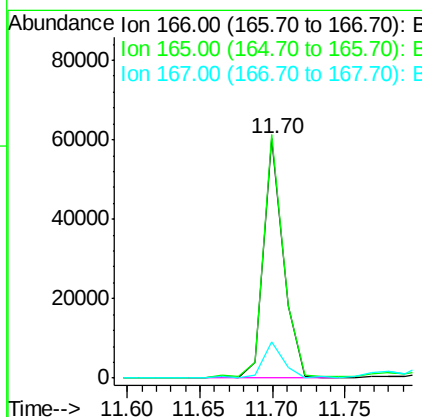
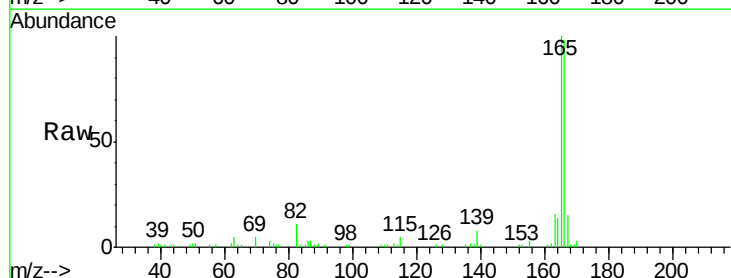
Instrument :
BNA_F
ClientSampleId :

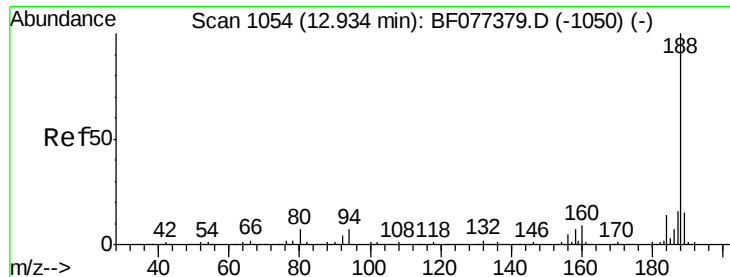
Tot Ion:168 Resp: 51973
Ion Ratio Lower Upper
168 100
139 34.2 29.3 43.9
169 12.9 10.9 16.3



#57
Fluorene
Concen: 5.78 ng
RT: 11.70 min Scan# 946
Delta R.T. 0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Tgt Ion:166 Resp: 57096
Ion Ratio Lower Upper
166 100
165 101.6 77.6 116.4
167 15.3 10.6 16.0

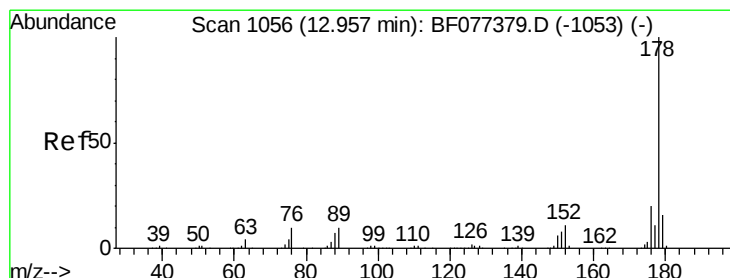
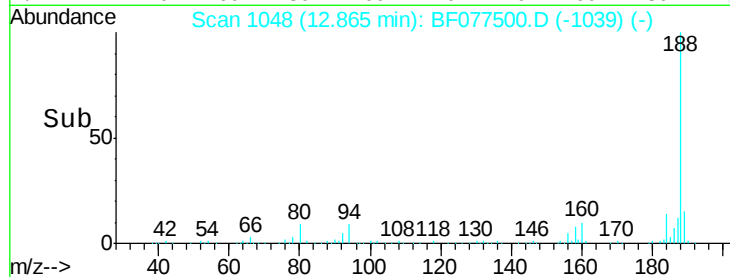
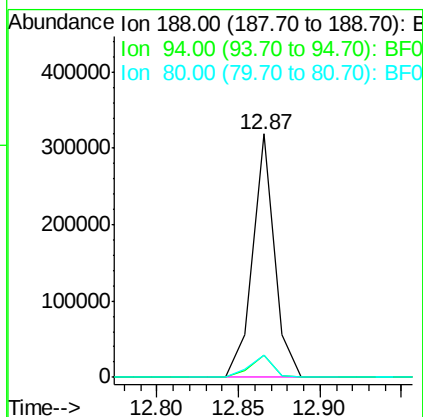
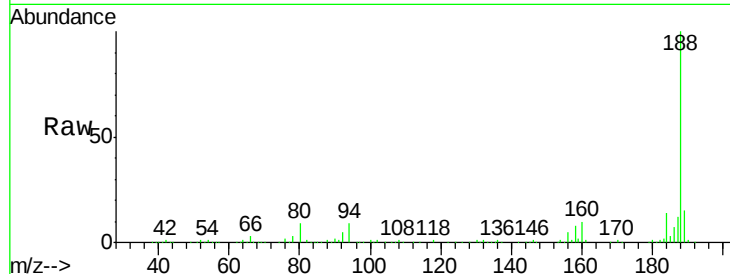




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.87 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

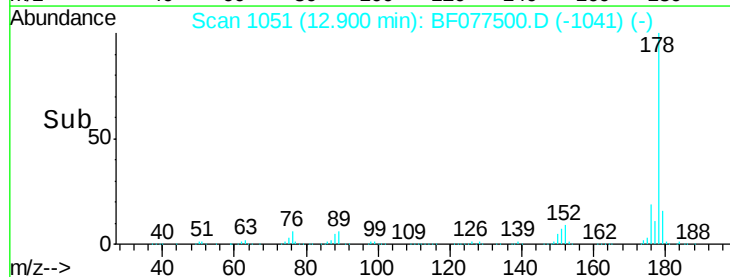
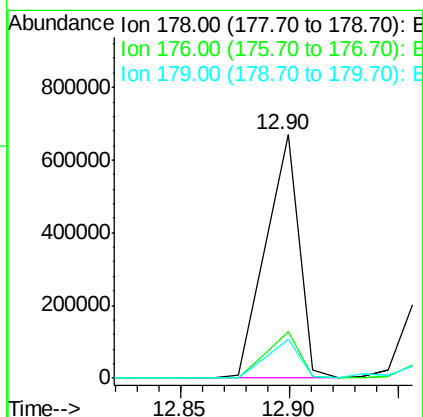
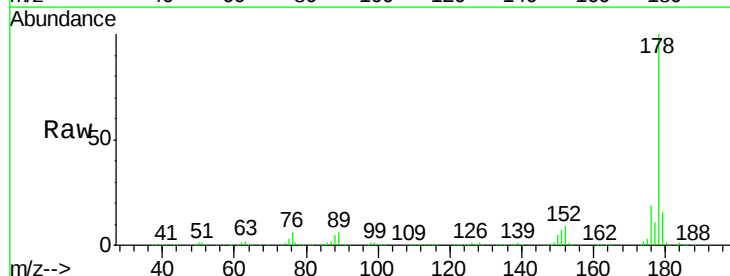
Instrument :
BNA_F
ClientSampleId :

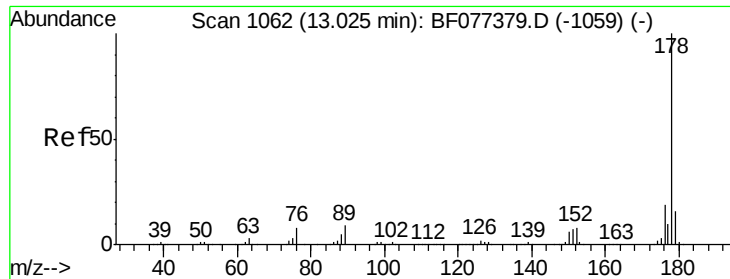
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.4	11.2
80	9.4	8.0	12.0



#70
Phenanthrene
Concen: 41.70 ng
RT: 12.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.8	12.2	18.2

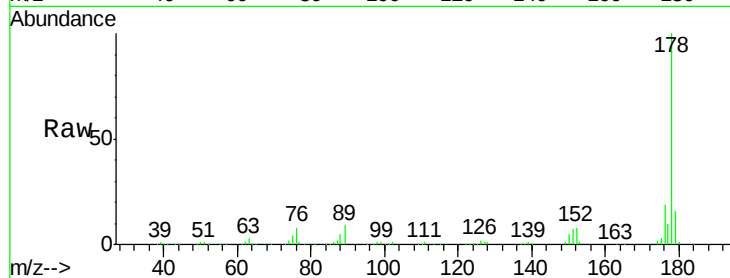




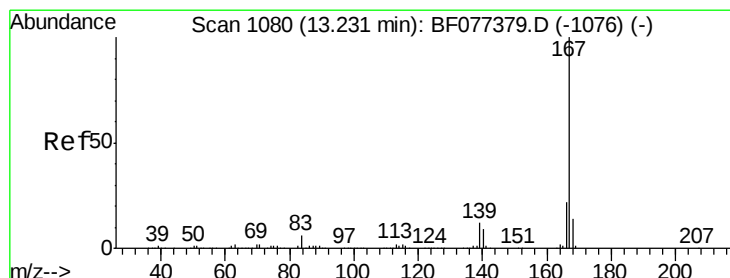
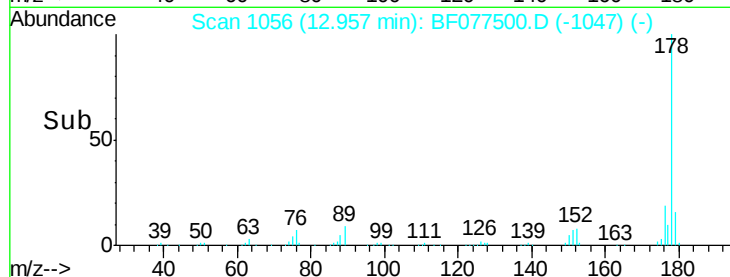
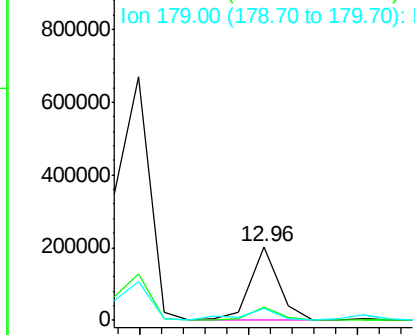
#71
 Anthracene
 Concen: 10.57 ng
 RT: 12.96 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: BF077500.D
 Acq: 27 Feb 2015 9:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 180238
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.0
 179 15.8 12.9 19.3

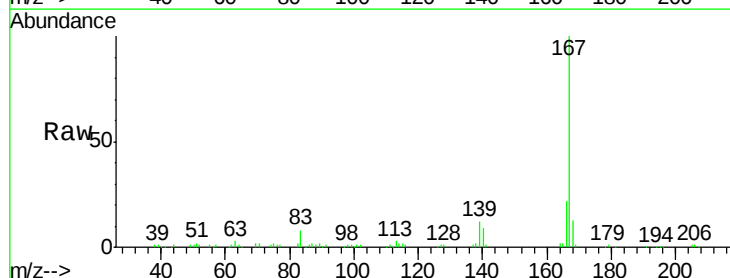


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

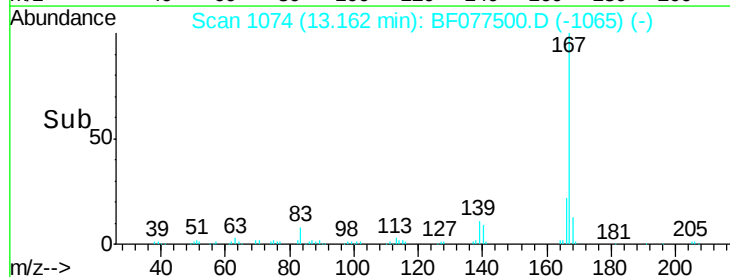
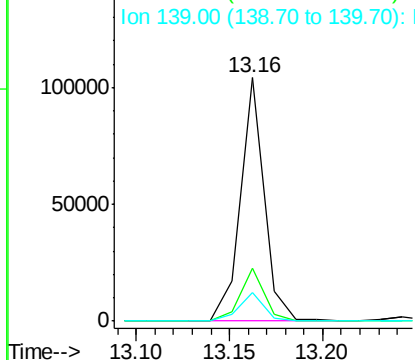


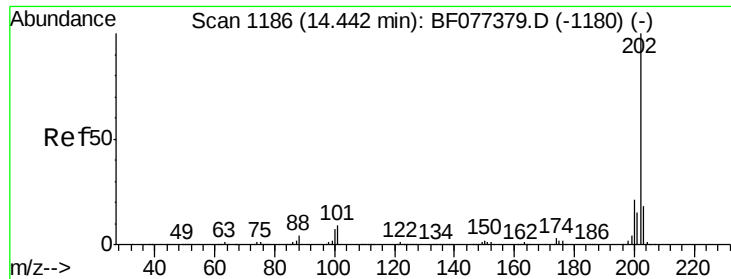
#72
 Carbazole
 Concen: 5.72 ng
 RT: 13.16 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: BF077500.D
 Acq: 27 Feb 2015 9:45

Tgt Ion:167 Resp: 92681
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 11.7 9.9 14.9



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 43.59 ng

RT: 14.37 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Instrument :

BNA_F

ClientSampleId :

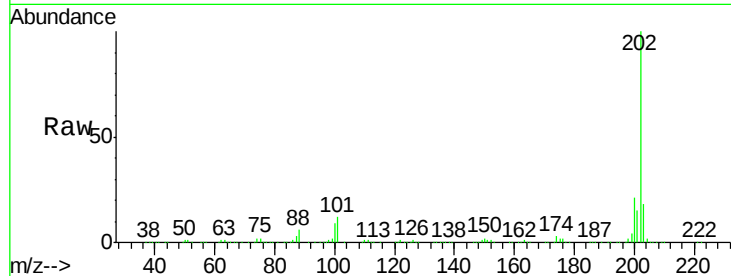
Tot Ion:202 Resp: 818231

Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.8

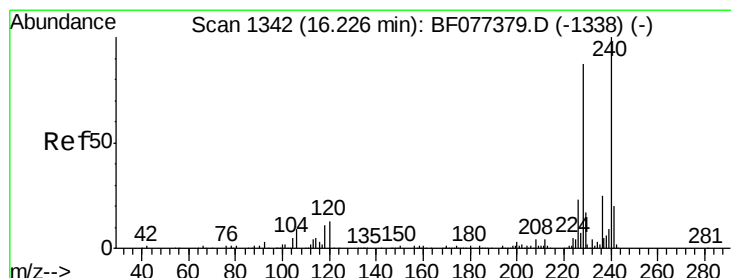
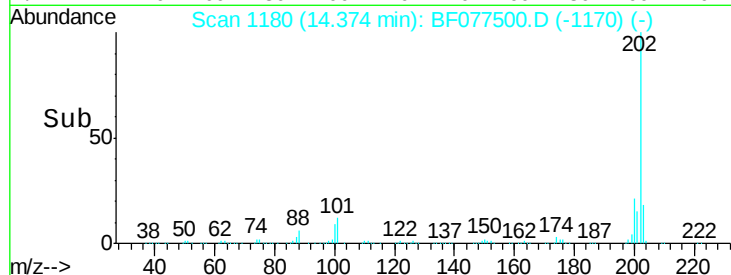
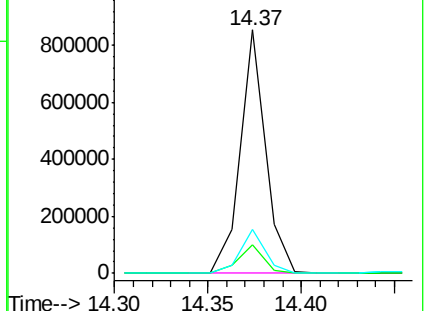
203 18.2 0.0 37.7



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: 16.16 min Scan# 1336

Delta R.T. 0.01 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

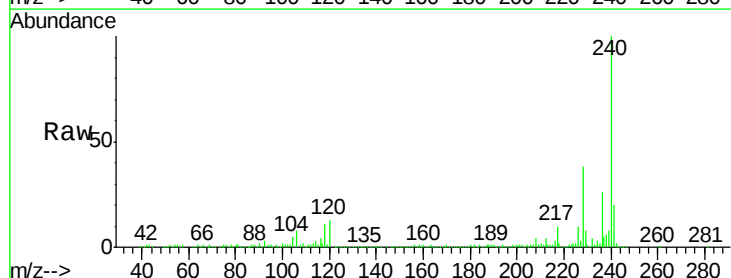
Tgt Ion:240 Resp: 316113

Ion Ratio Lower Upper

240 100

120 12.7 8.8 13.2

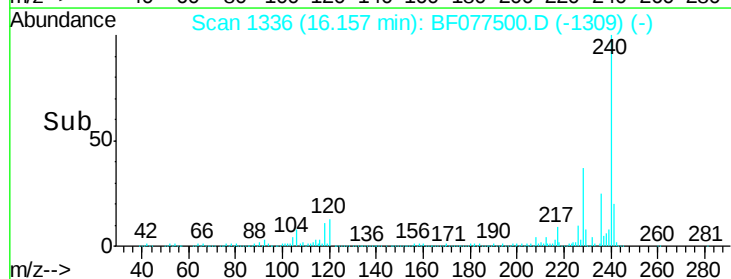
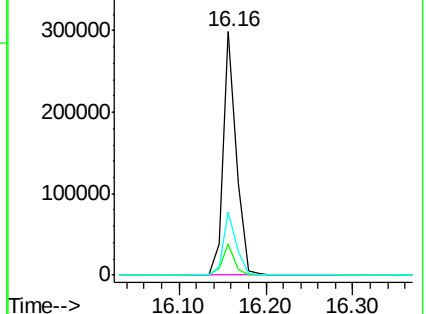
236 25.8 20.7 31.1

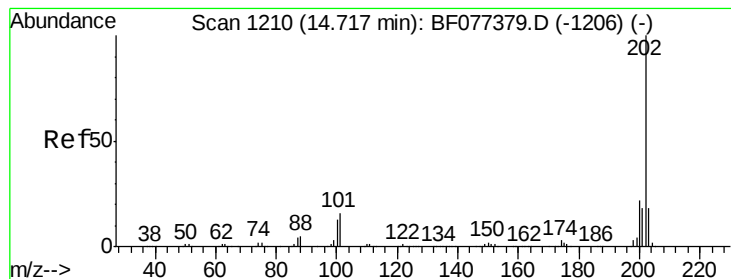


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 35.37 ng

RT: 14.65 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

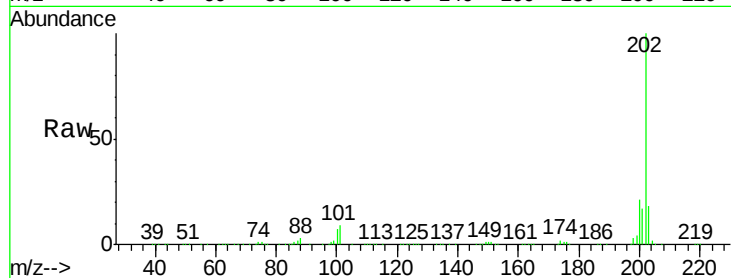
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 683967

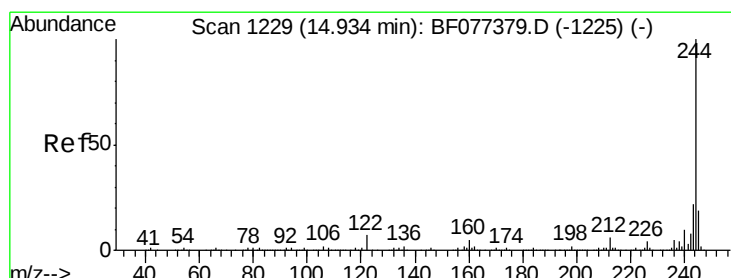
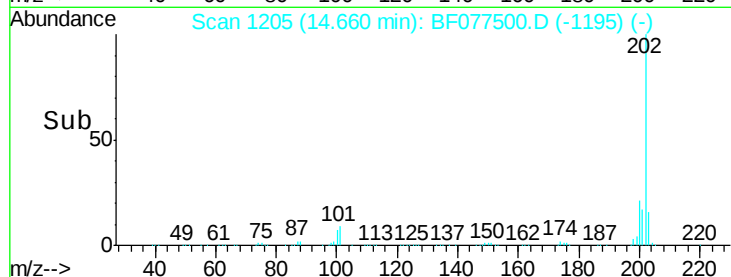
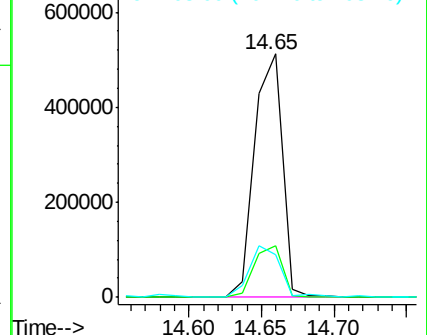
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.5	14.2	21.2



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: 4.74 ng

RT: 14.86 min Scan# 1223

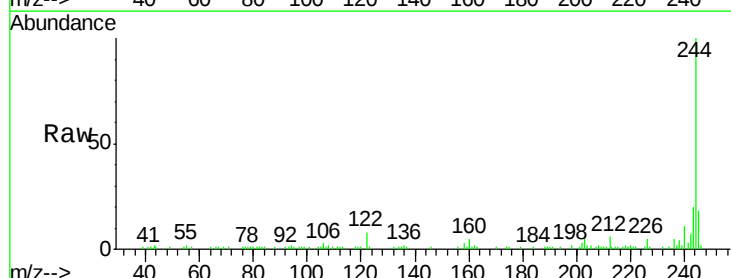
Delta R.T. 0.01 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Tgt Ion:244 Resp: 64030

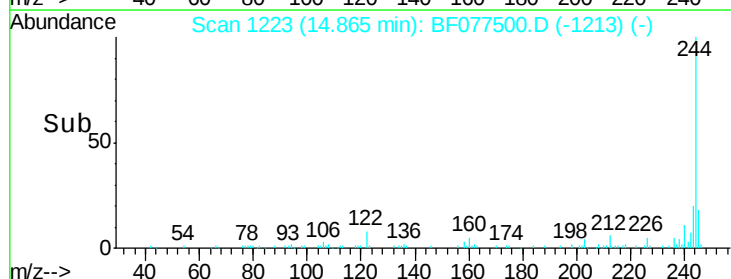
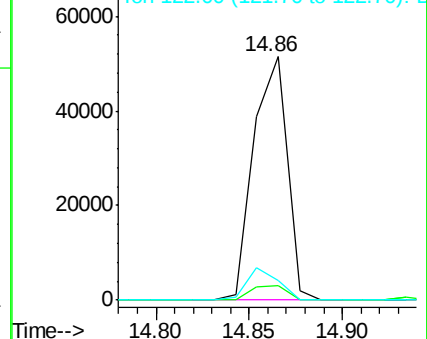
Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.2	7.8
122	7.9	7.8	11.8

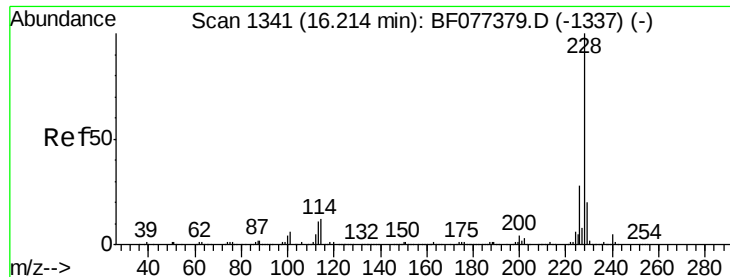


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 20.34 ng

RT: 16.15 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Instrument :

BNA_F

ClientSampleId :

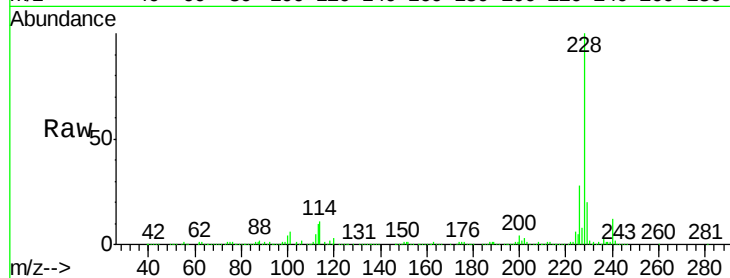
Tot Ion:228 Resp: 376833

Ion Ratio Lower Upper

228 100

226 27.5 22.0 33.0

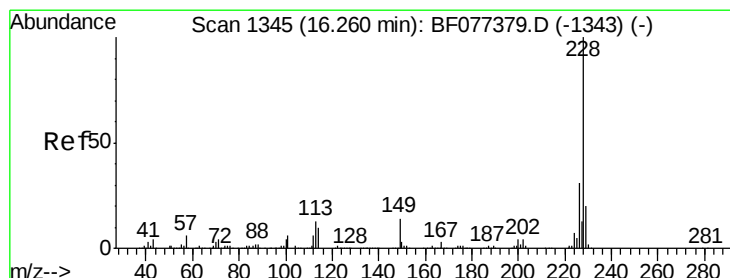
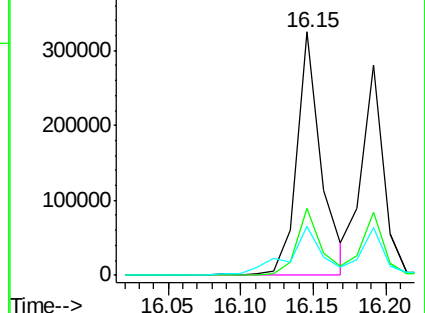
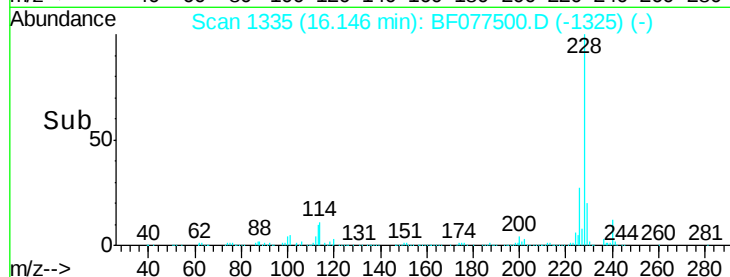
229 20.2 15.8 23.8



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: 16.91 ng

RT: 16.19 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

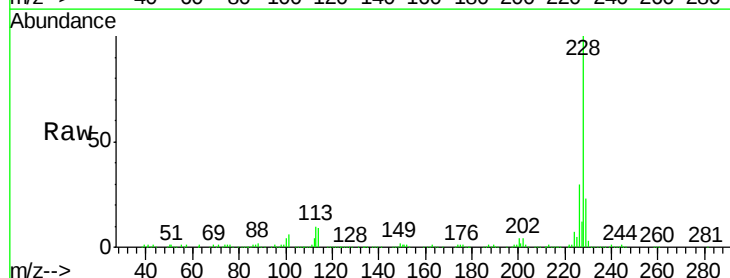
Tgt Ion:228 Resp: 294143

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

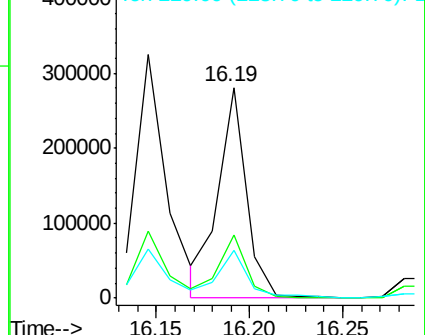
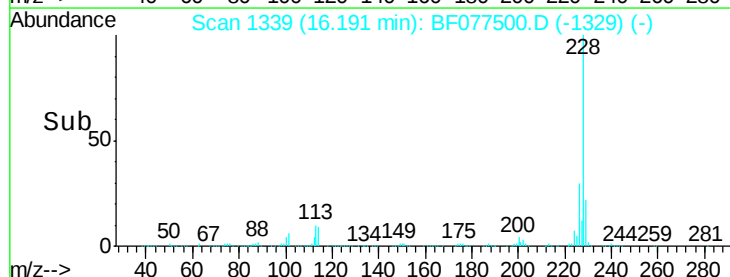
229 22.6 16.4 24.6

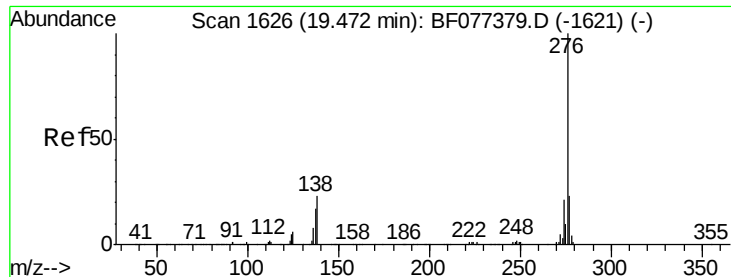


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

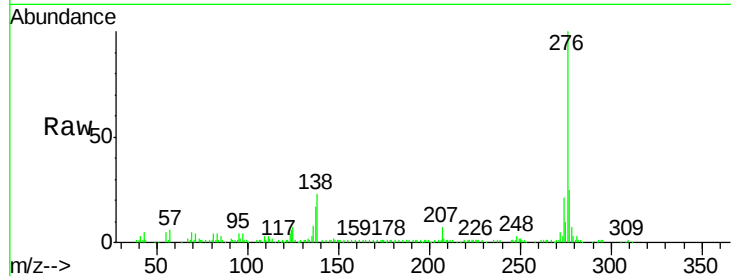




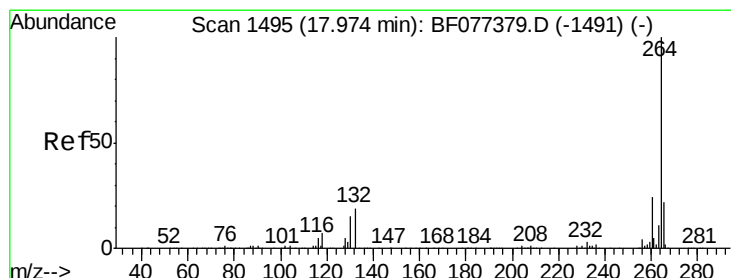
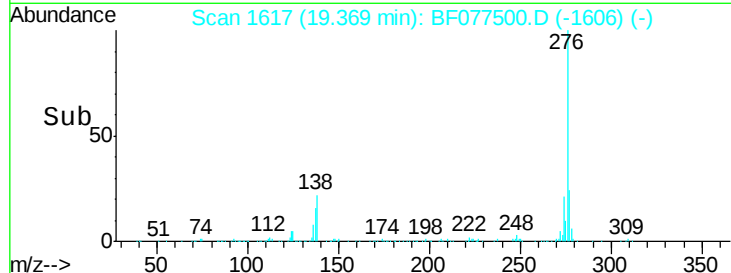
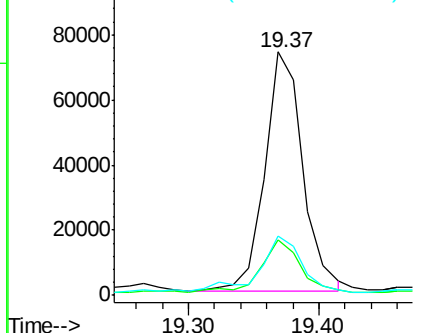
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.51 ng
 RT: 19.37 min Scan# 1617
 Delta R.T. 0.03 min
 Lab File: BF077500.D
 Acq: 27 Feb 2015 9:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.7	21.2	31.8
277	24.2	20.0	30.0

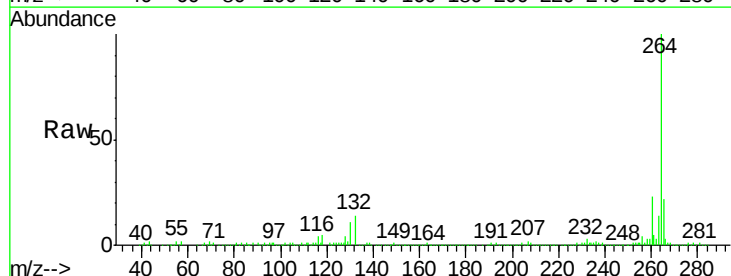


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

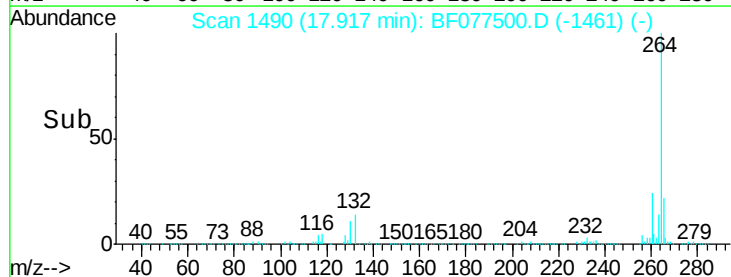
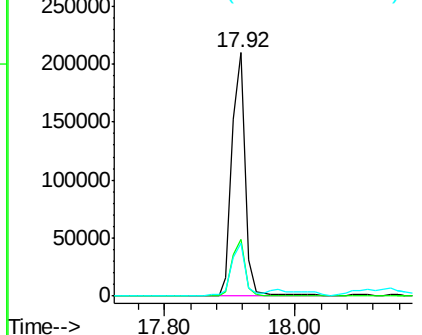


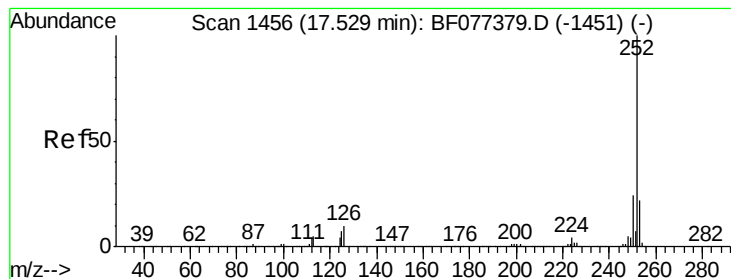
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.92 min Scan# 1490
 Delta R.T. 0.03 min
 Lab File: BF077500.D
 Acq: 27 Feb 2015 9:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.3	28.9
265	21.8	16.8	25.2



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: 29.71 ng

RT: 17.47 min Scan# 1451

Delta R.T. 0.04 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Instrument :

BNA_F

ClientSampleId :

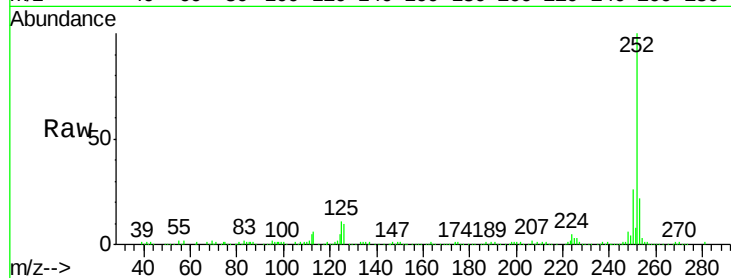
Tot Ion:252 Resp: 507282

Ion Ratio Lower Upper

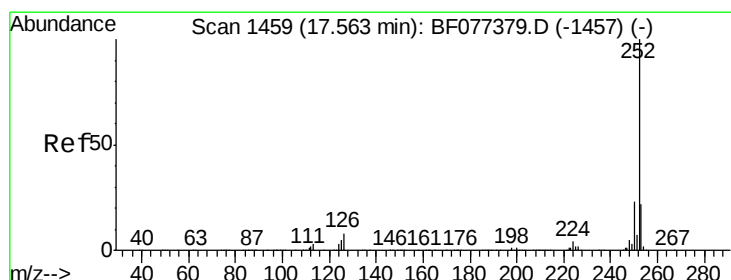
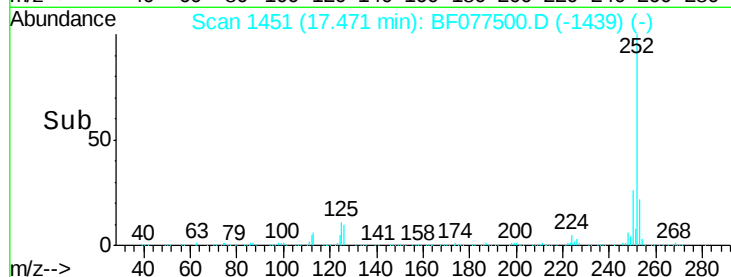
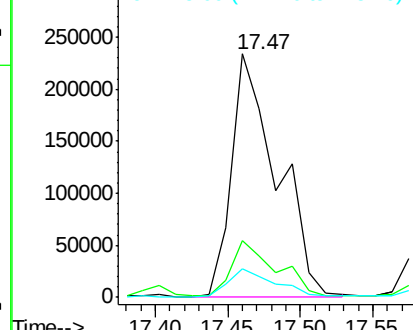
252 100

253 22.1 17.6 26.4

125 11.0 5.4 8.2#



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: 30.37 ng

RT: 17.47 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

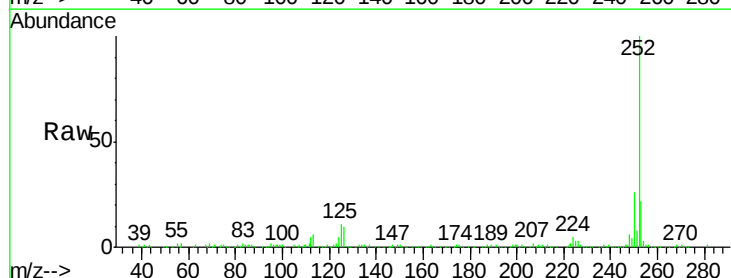
Tgt Ion:252 Resp: 508139

Ion Ratio Lower Upper

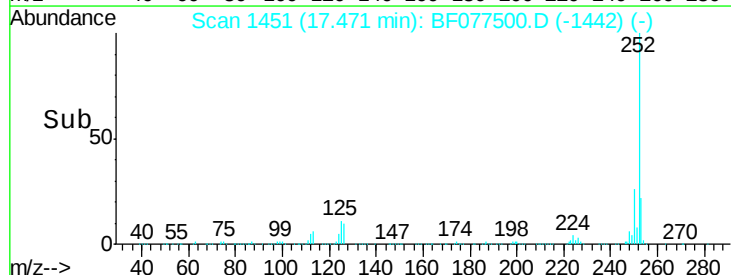
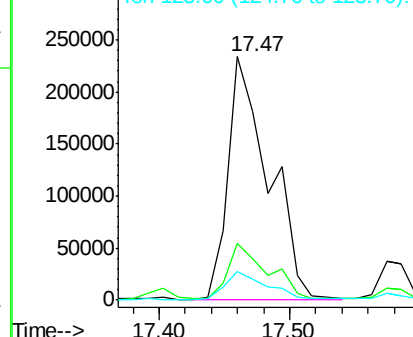
252 100

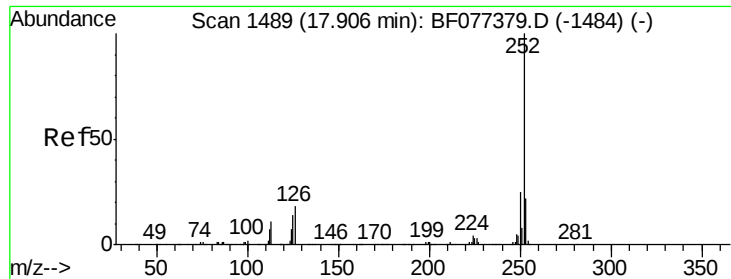
253 22.1 18.1 27.1

125 11.0 10.1 15.1



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

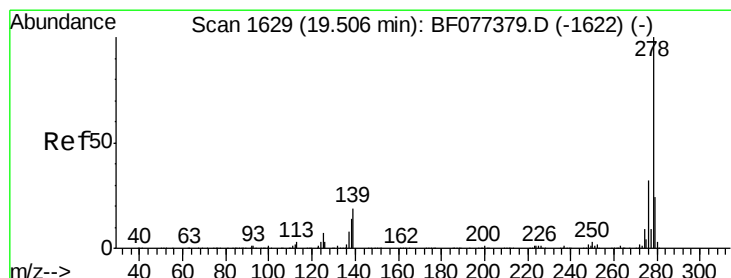
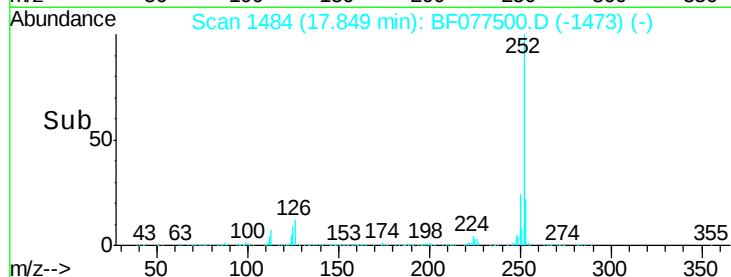
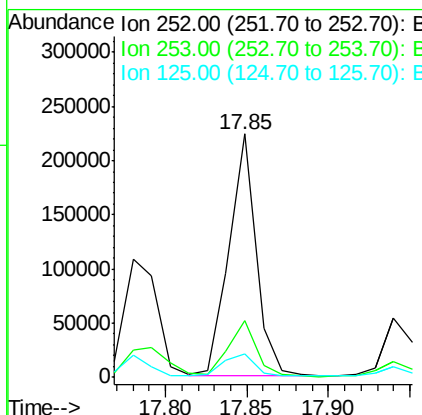
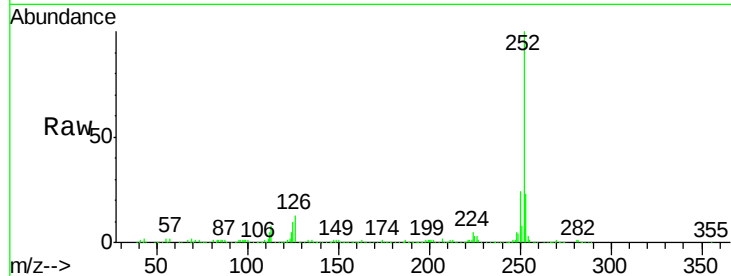




#89
Benzo(a)pyrene
Concen: 15.56 ng
RT: 17.85 min Scan# 1484
Delta R.T. 0.02 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

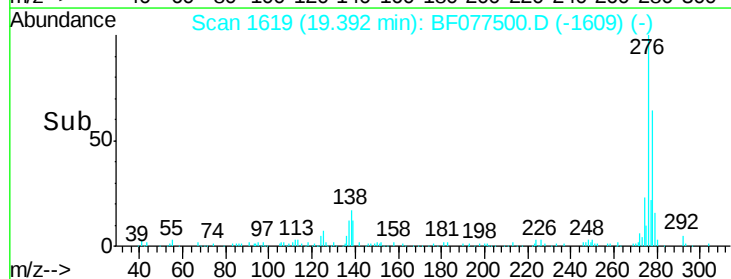
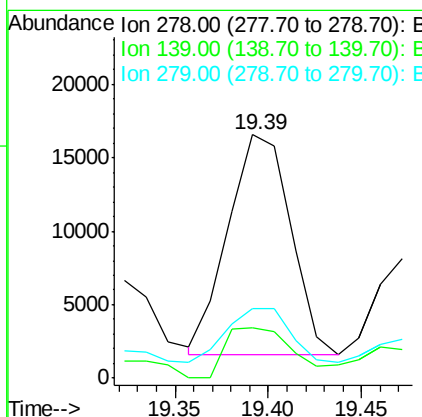
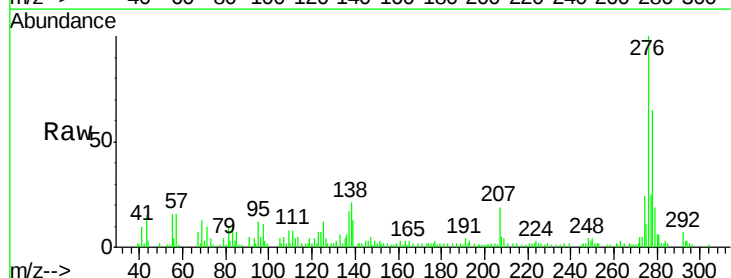
Instrument :
BNA_F
ClientSampleId :

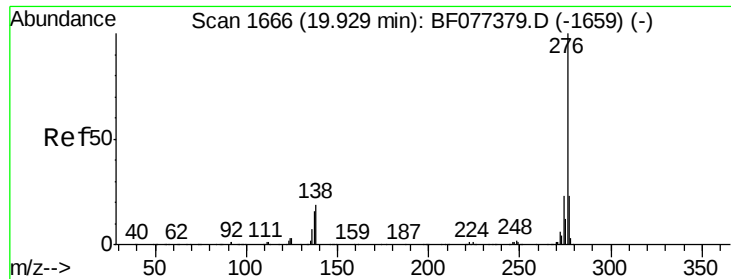
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	9.8	8.3	12.5



#90
Dibenzo(a,h)anthracene
Concen: 2.24 ng
RT: 19.39 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BF077500.D
Acq: 27 Feb 2015 9:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.7	14.3	21.5
279	28.7	19.0	28.6





#91

Benzo(a,h,i)perylene

Concen: 8.99 ng

RT: 19.81 min Scan# 1655

Delta R.T. 0.03 min

Lab File: BF077500.D

Acq: 27 Feb 2015 9:45

Instrument :

BNA_F

ClientSampleId :

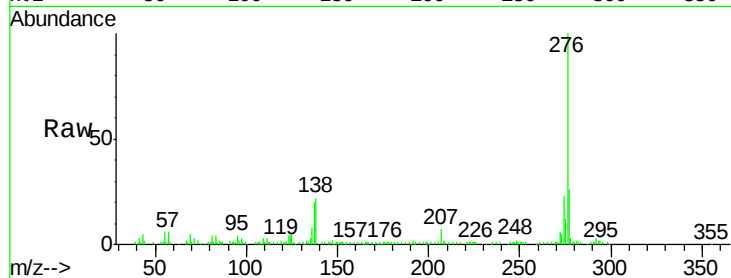
Tot Ion: 276 Resp: 140658

Ion Ratio Lower Upper

276 100

277 25.8 18.9 28.3

138 22.0 20.5 30.7



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

