

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077536.D
 Acq On : 2 Mar 2015 21:46
 Operator : TP/IZ
 Sample : G1399-12
 Misc : S
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB6

Quant Time: Mar 03 03:30:02 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 02 23:46:07 2015
 Response via : Initial Calibration

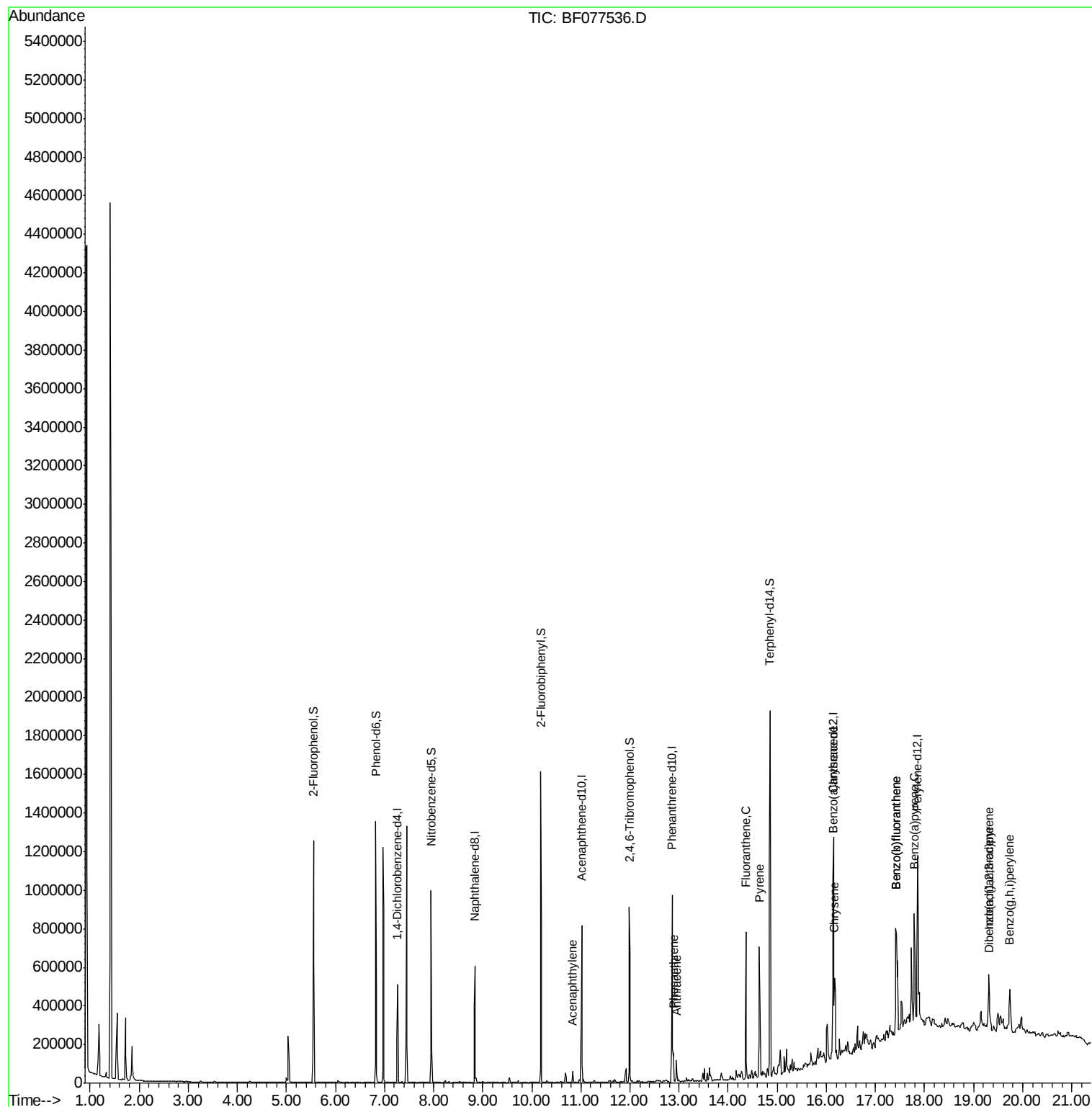
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	87375	20.00	ng	0.00
21) Naphthalene-d8	8.84	136	351643	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	179707	20.00	ng	0.00
63) Phenanthrene-d10	12.85	188	365697	20.00	ng	0.00
75) Chrysene-d12	16.14	240	407268	20.00	ng	0.00
86) Perylene-d12	17.86	264	393178	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	414461	79.19	ng	0.00
7) Phenol-d6	6.82	99	505922	75.18	ng	0.00
23) Nitrobenzene-d5	7.95	82	300482	53.14	ng	0.00
41) 2,4,6-Tribromophenol	11.99	330	139756	80.77	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	614647	53.33	ng	0.00
78) Terphenyl-d14	14.85	244	751916	43.16	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.84	152	38210	2.26	ng	99
70) Phenanthrene	12.88	178	85212	4.02	ng	99
71) Anthracene	12.95	178	46580	2.21	ng	99
74) Fluoranthene	14.36	202	335908	14.51	ng	99
77) Pyrene	14.64	202	326292	13.10	ng	# 95
80) Benzo(a)anthracene	16.13	228	299411	12.54	ng	96
82) Chrysene	16.17	228	204269	9.11	ng	97
85) Indeno(1,2,3-cd)pyrene	19.31	276	196678	7.70	ng	96
87) Benzo(b)fluoranthene	17.43	252	533239	23.32	ng	# 96
88) Benzo(k)fluoranthene	17.43	252	535694	23.91	ng	99
89) Benzo(a)pyrene	17.80	252	301202	13.83	ng	# 95
90) Dibenzo(a,h)anthracene	19.33	278	49157	2.37	ng	# 89
91) Benzo(g,h,i)perylene	19.74	276	184581	8.81	ng	96

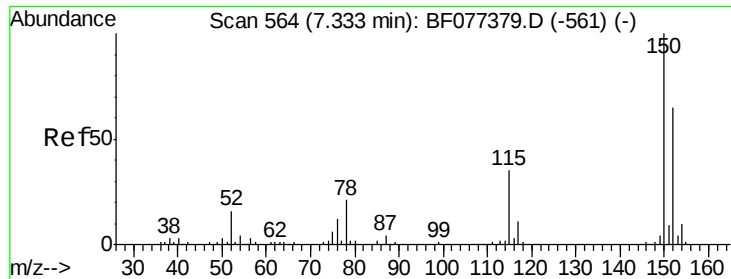
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.26 min Scan# 558

Delta R.T. 0.00 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

Instrument :

BNA_F

ClientSampleId :

SB6

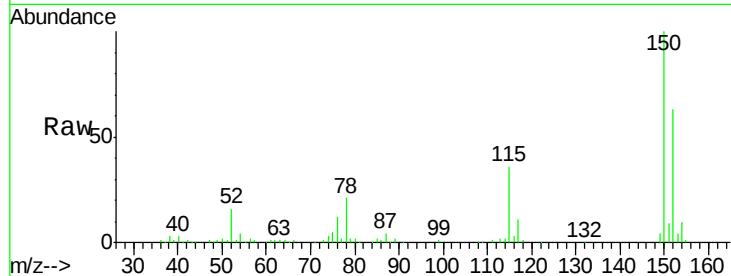
Tgt Ion:152 Resp: 87375

Ion Ratio Lower Upper

152 100

150 158.0 124.0 186.0

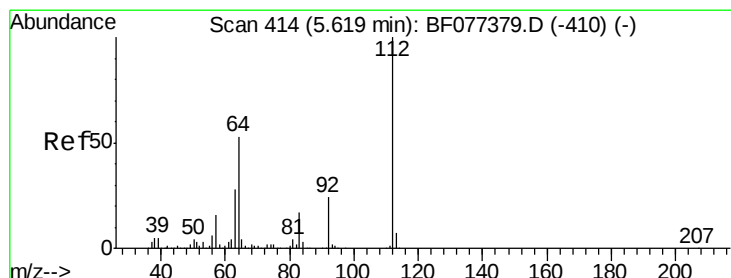
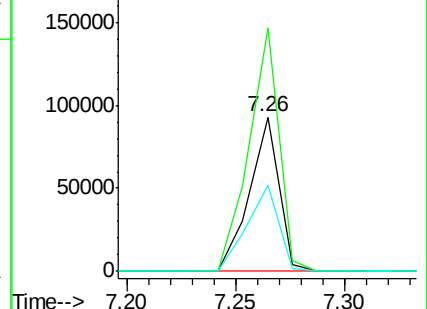
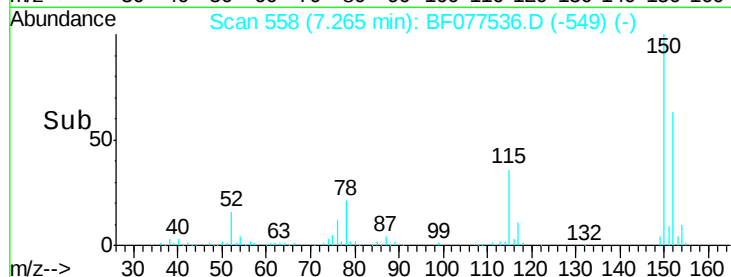
115 56.2 49.4 74.2



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: 79.19 ng

RT: 5.55 min Scan# 408

Delta R.T. 0.01 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

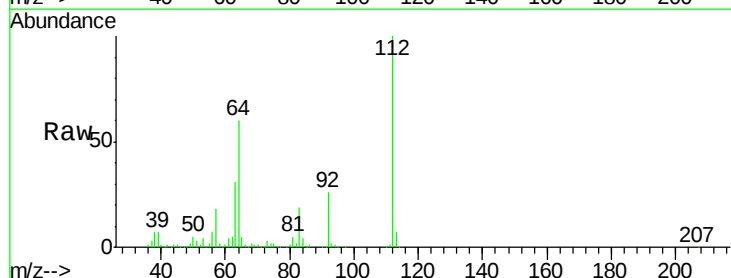
Tgt Ion:112 Resp: 414461

Ion Ratio Lower Upper

112 100

64 60.3 48.5 72.7

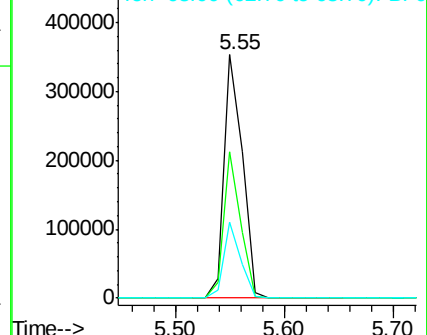
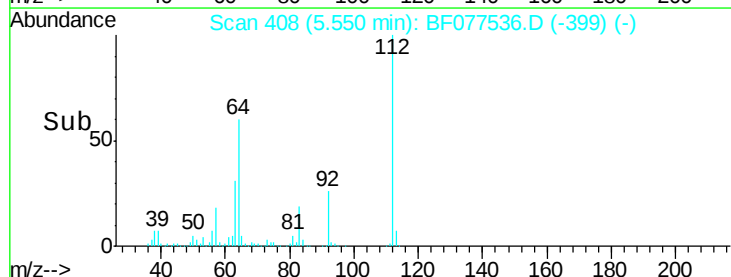
63 31.4 25.0 37.4

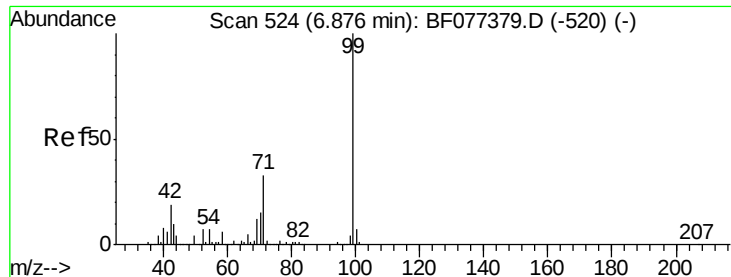


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 75.18 ng

RT: 6.82 min Scan# 519

Delta R.T. 0.01 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

Instrument :

BNA_F

ClientSampleId :

SB6

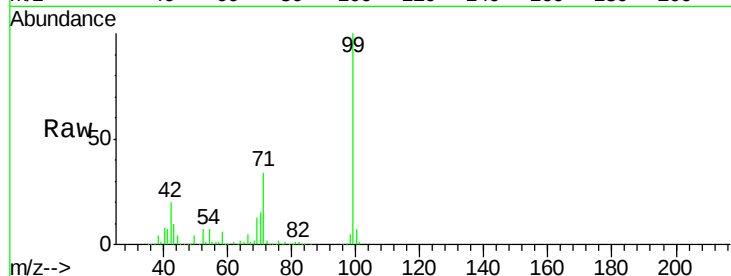
Tgt Ion: 99 Resp: 505922

Ion Ratio Lower Upper

99 100

42 19.6 16.2 24.4

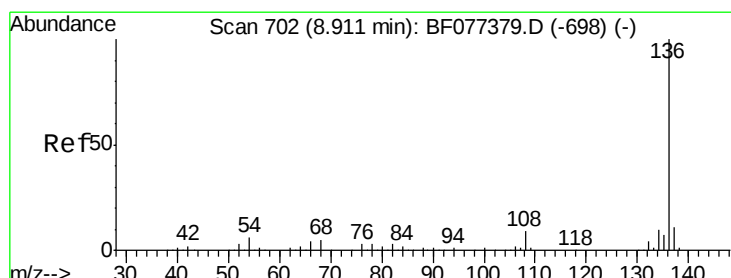
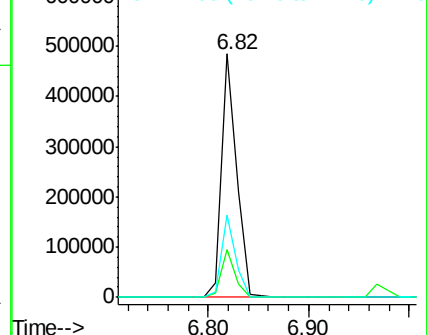
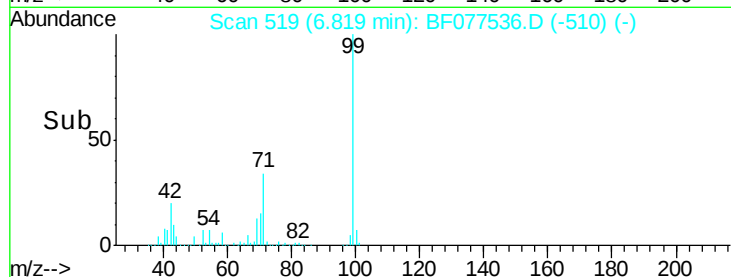
71 34.1 26.7 40.1



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: BF077536.D

Acq: 2 Mar 2015 21:46

Tgt Ion: 136 Resp: 351643

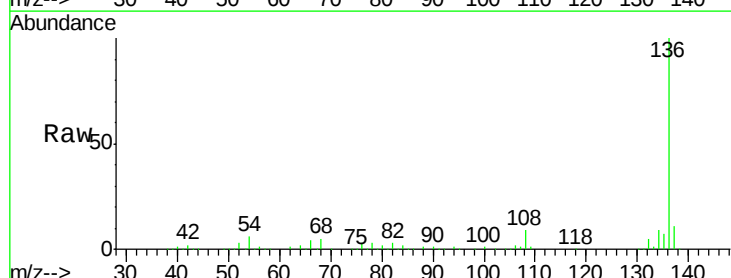
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 5.7 6.2 9.4#

68 4.9 5.0 7.6#

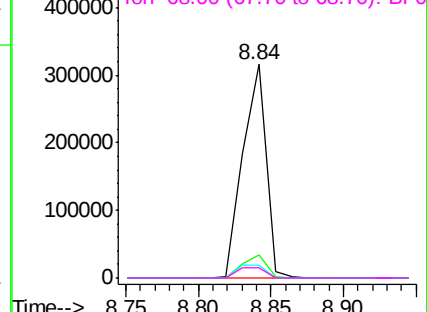
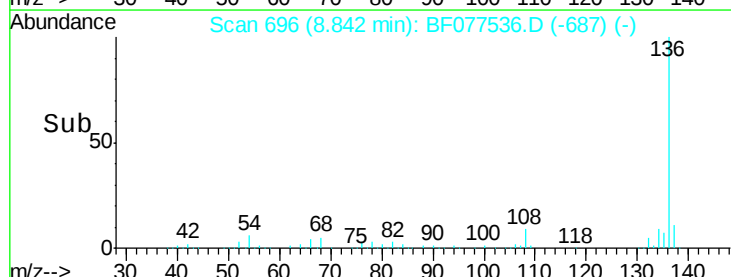


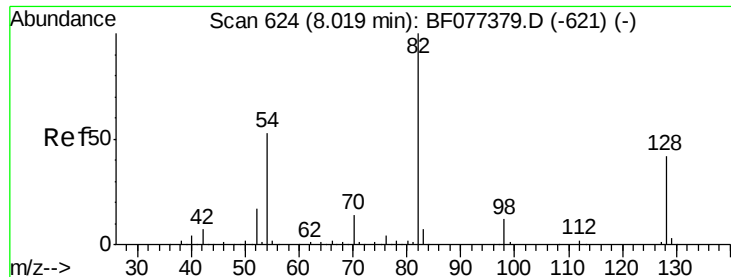
Abundance Ion 136.00 (135.70 to 136.70): E

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

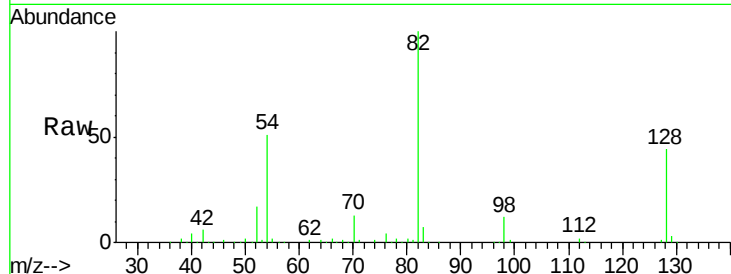




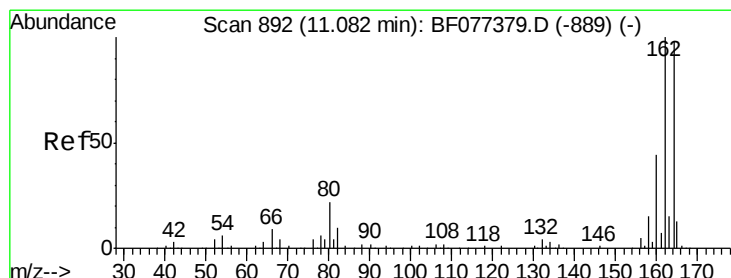
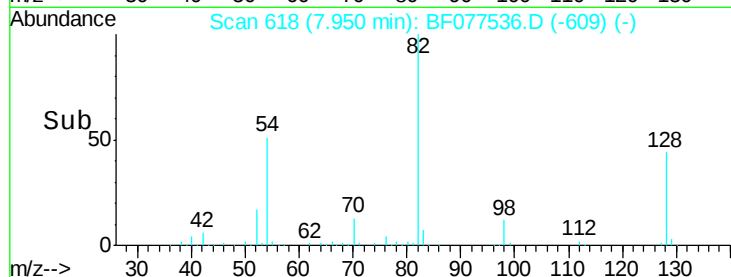
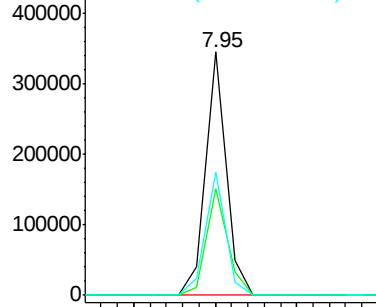
#23
 Nitrobenzene-d5
 Concen: 53.14 ng
 RT: 7.95 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Instrument :
 BNA_F
 ClientSampled :
 SB6

Tgt Ion: 82 Resp: 300482
 Ion Ratio Lower Upper
 82 100
 128 44.0 43.8 65.8
 54 50.6 36.7 55.1

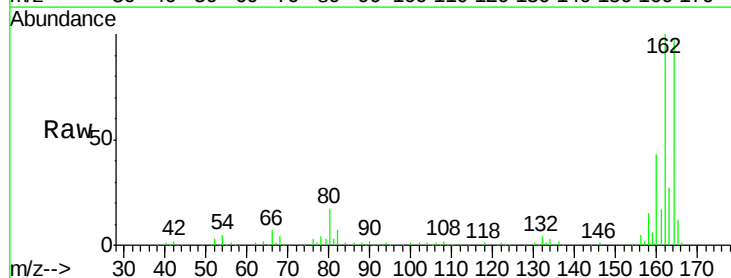


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

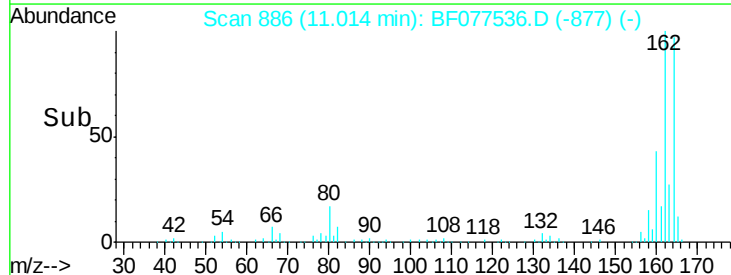
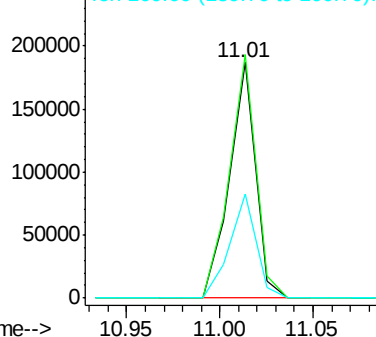


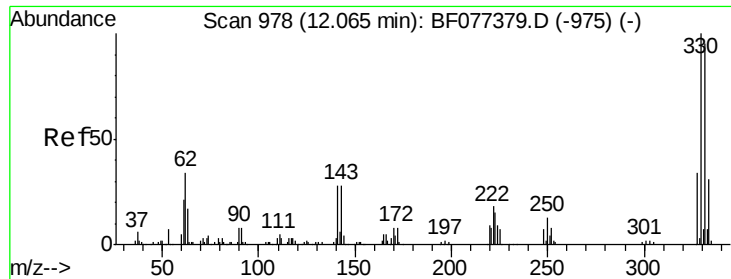
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.01 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Tgt Ion: 164 Resp: 179707
 Ion Ratio Lower Upper
 164 100
 162 103.5 83.2 124.8
 160 44.0 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

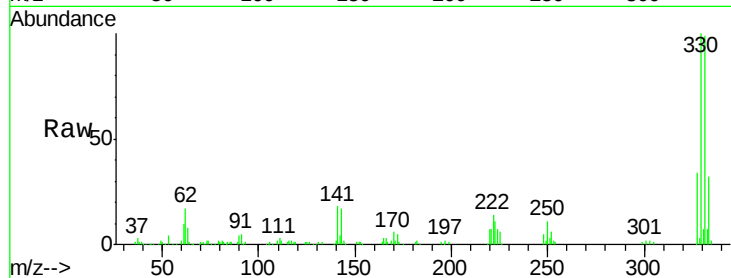




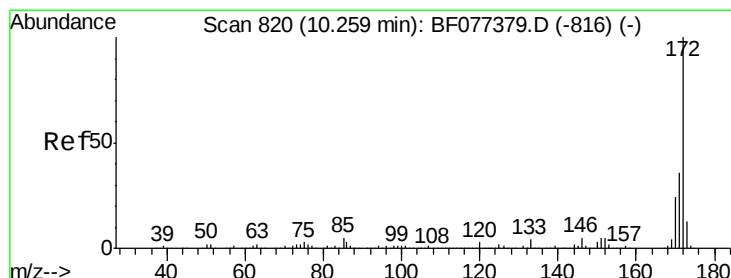
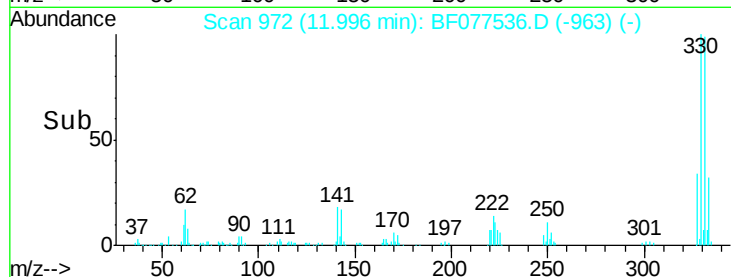
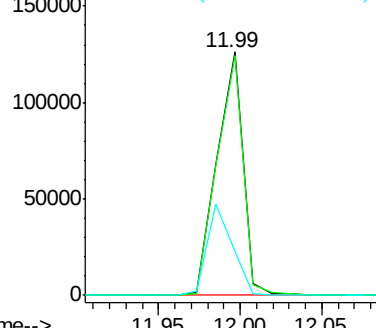
#41
 2,4,6-Tribromophenol
 Concen: 80.77 ng
 RT: 11.99 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Instrument :
 BNA_F
 ClientSampleId :
 SB6

Tgt Ion:330 Resp: 139756
 Ion Ratio Lower Upper
 330 100
 332 98.4 77.4 116.2
 141 36.3 28.8 43.2

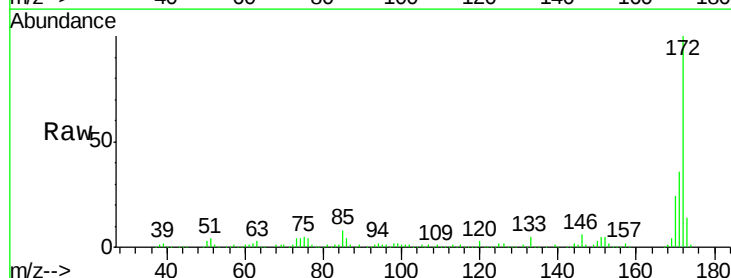


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

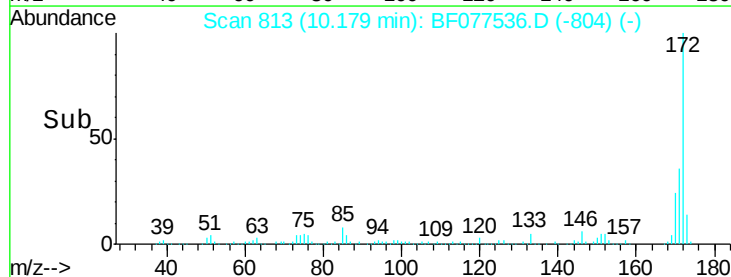
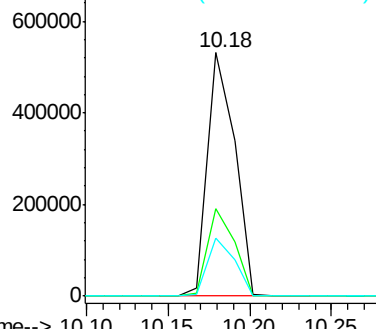


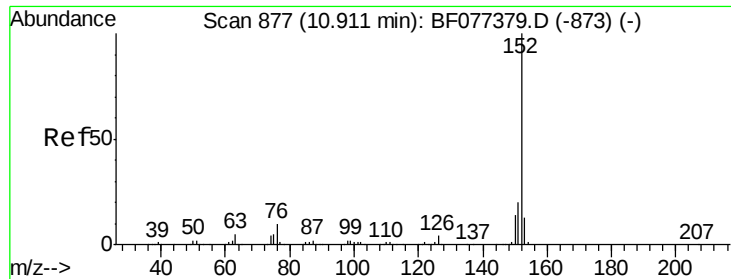
#44
 2-Fluorobiphenyl
 Concen: 53.33 ng
 RT: 10.18 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Tgt Ion:172 Resp: 614647
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.9 43.3
 170 23.9 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





#48

Acenaphthylene

Concen: 2.26 ng

RT: 10.84 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

Instrument :

BNA_F

ClientSampleId :

SB6

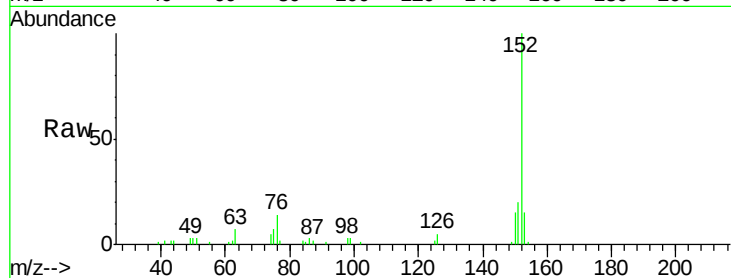
Tgt Ion:152 Resp: 38210

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

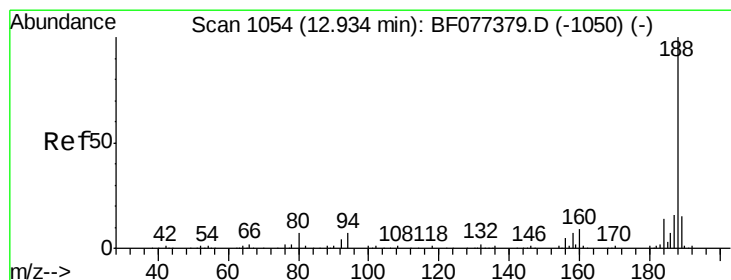
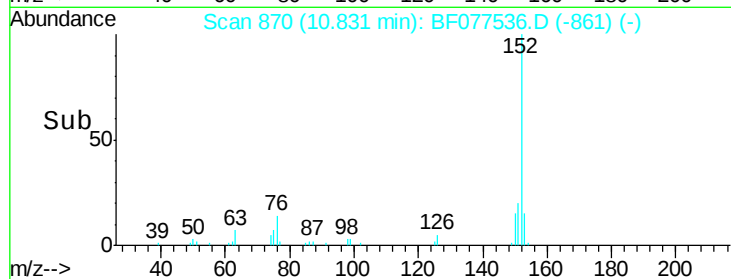
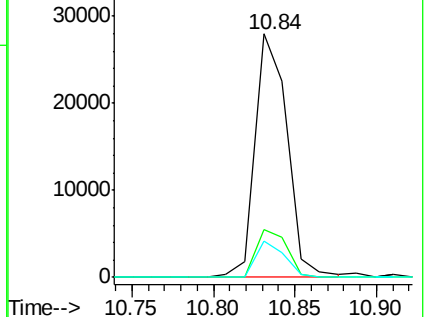
153 14.7 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.85 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

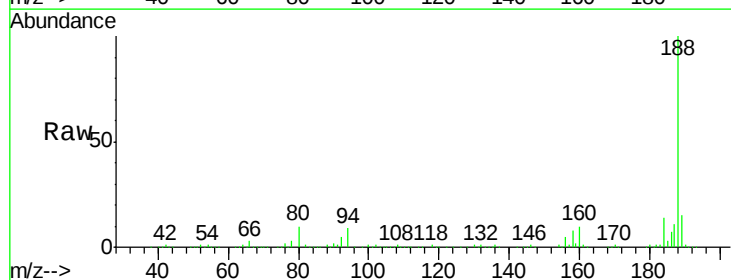
Tgt Ion:188 Resp: 365697

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

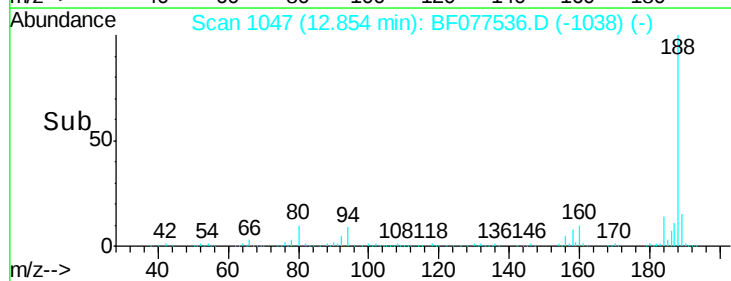
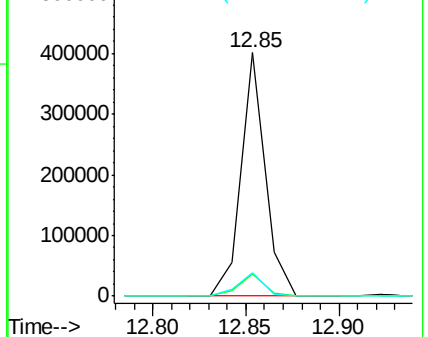
80 9.6 8.0 12.0

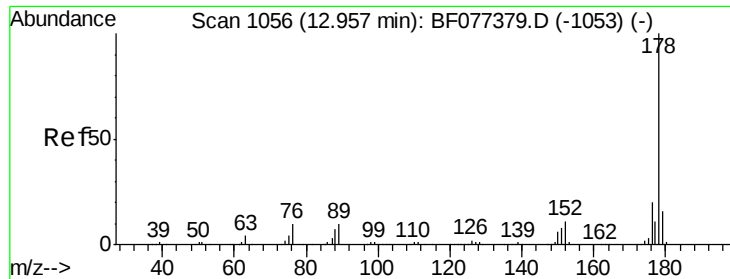


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

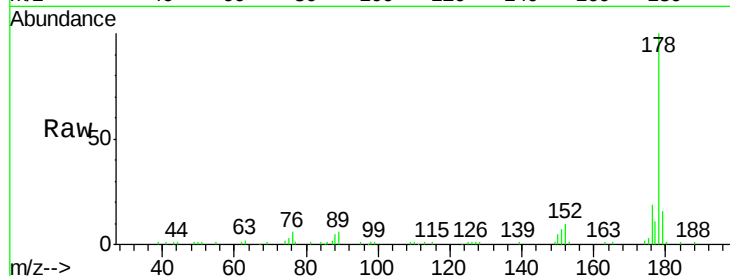




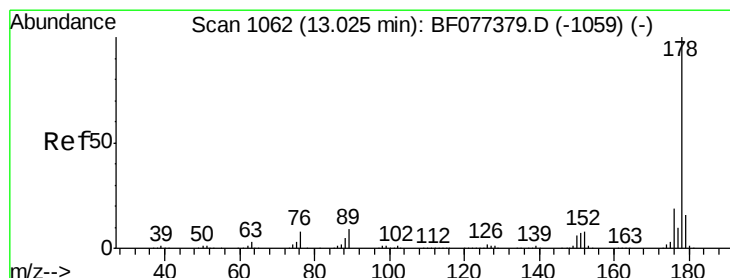
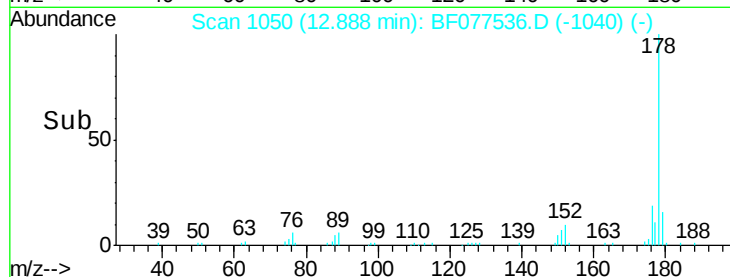
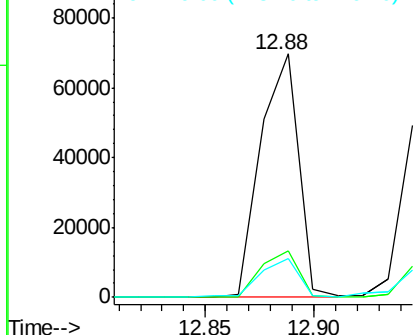
#70
Phenanthrene
Concen: 4.02 ng
RT: 12.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BF077536.D
Acq: 2 Mar 2015 21:46

Instrument :
BNA_F
ClientSampleId :
SB6

Tgt Ion:178 Resp: 85212
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.9 12.2 18.2

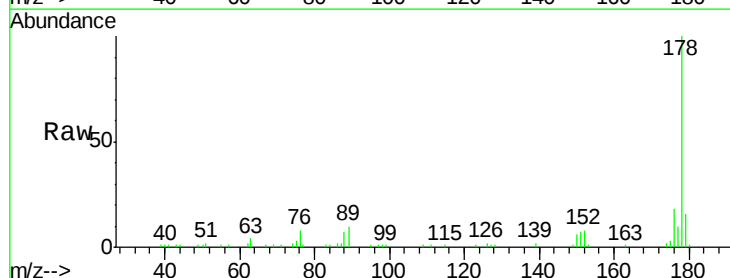


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

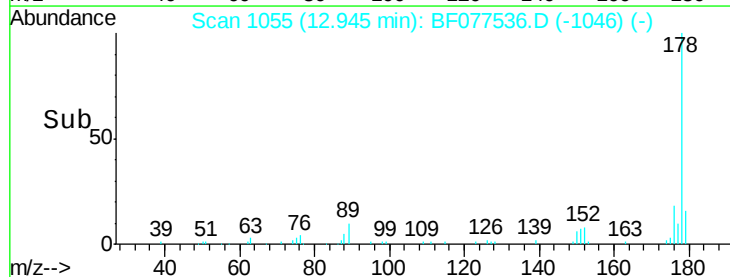
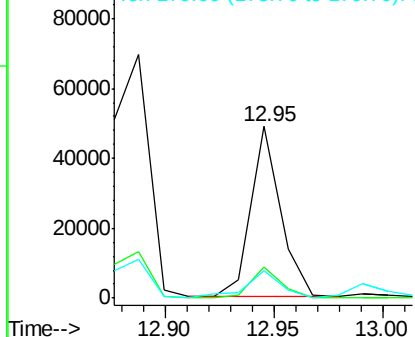


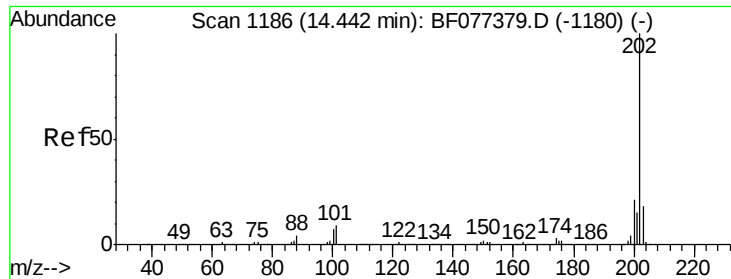
#71
Anthracene
Concen: 2.21 ng
RT: 12.95 min Scan# 1055
Delta R.T. 0.00 min
Lab File: BF077536.D
Acq: 2 Mar 2015 21:46

Tgt Ion:178 Resp: 46580
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 16.1 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

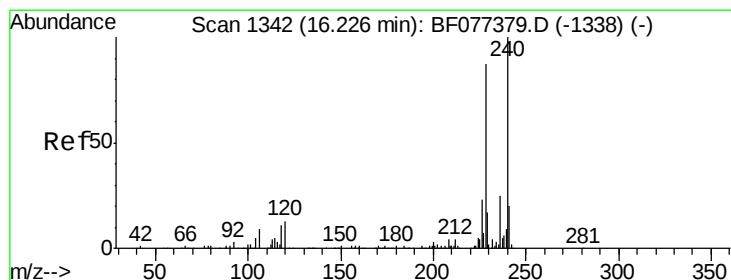
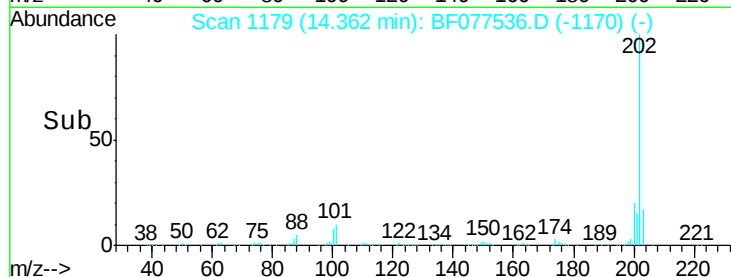
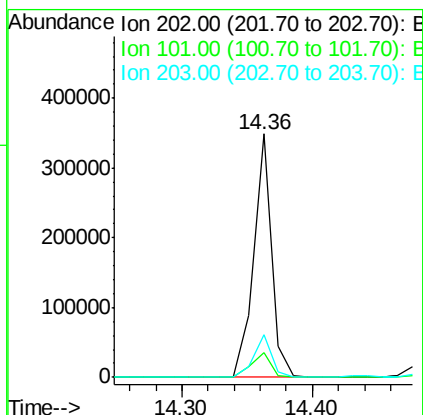
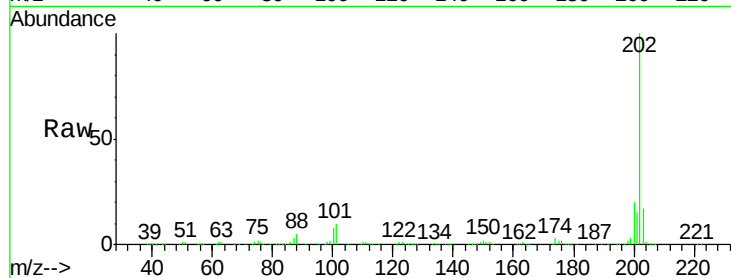




#74
 Fluoranthene
 Concen: 14.51 ng
 RT: 14.36 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

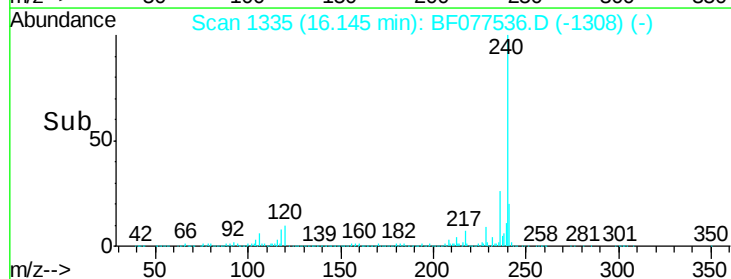
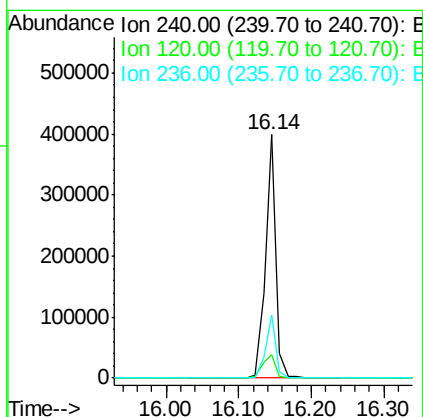
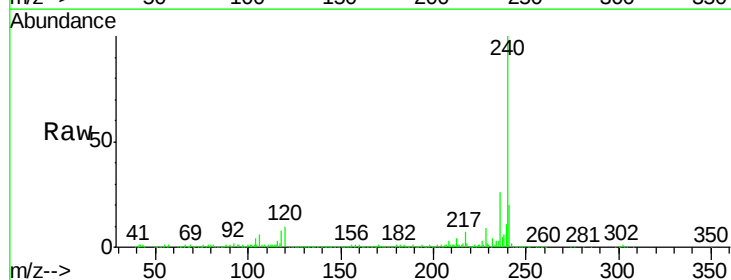
Instrument :
 BNA_F
 ClientSampleId :
 SB6

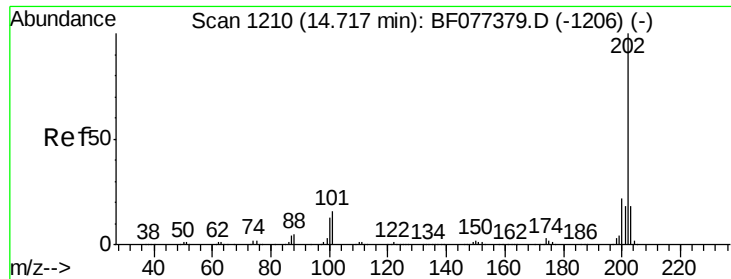
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.8
203	17.4	0.0	37.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.14 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.8	13.2
236	25.8	20.7	31.1

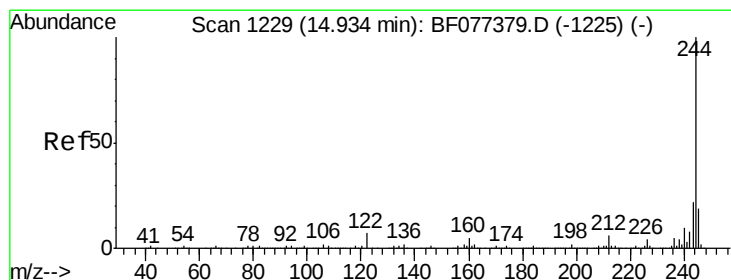
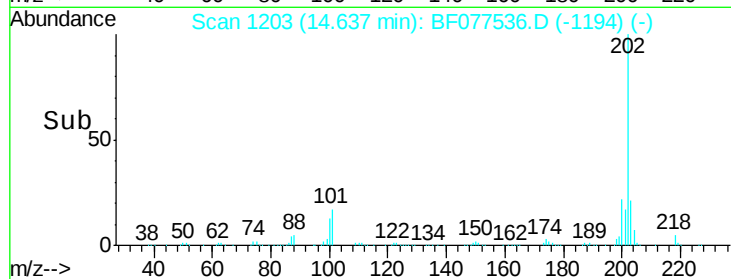
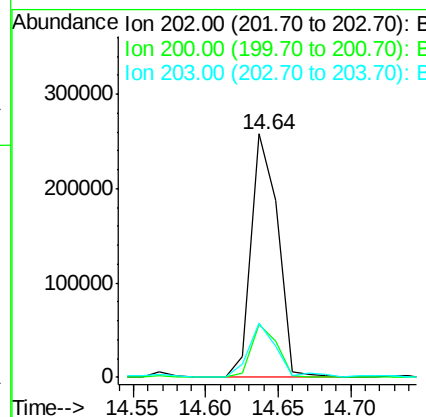
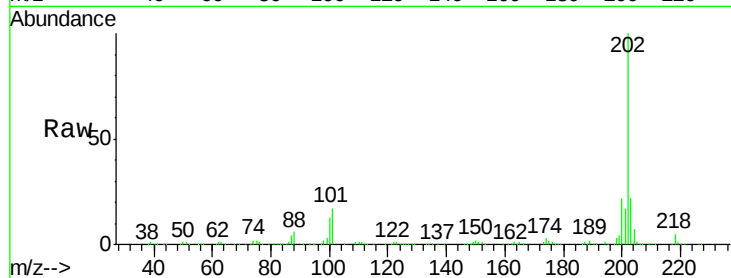




#77
 Pyrene
 Concen: 13.10 ng
 RT: 14.64 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

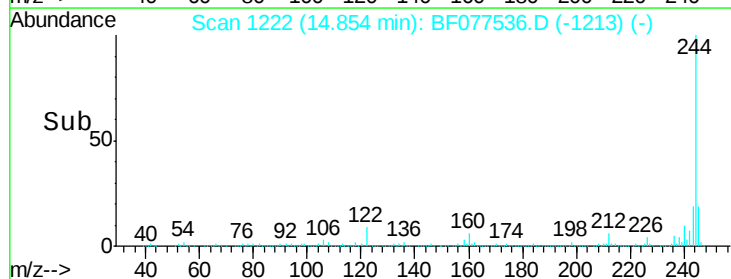
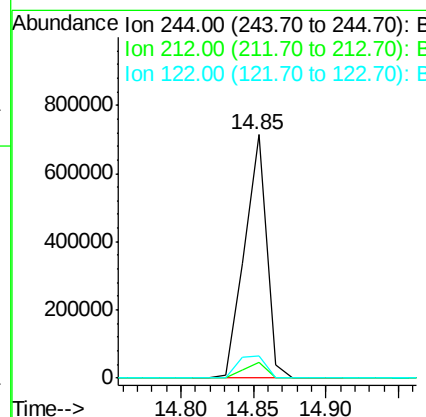
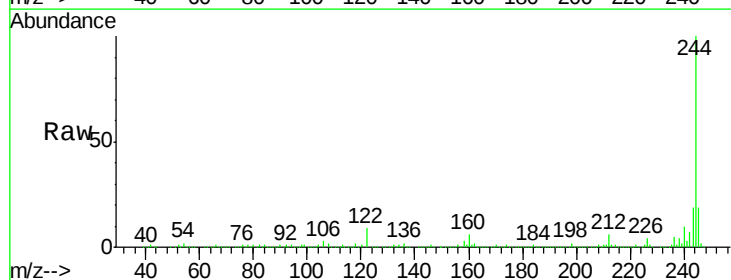
Instrument :
 BNA_F
 ClientSampleId :
 SB6

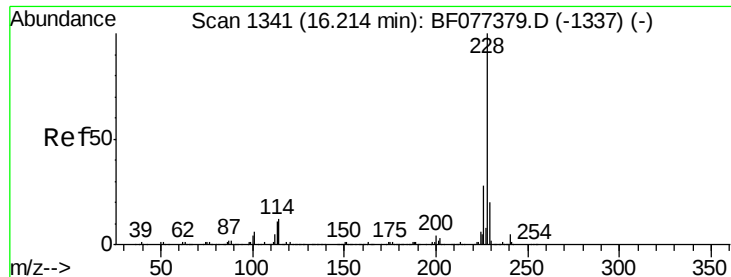
Tgt Ion: 202 Resp: 326292
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.1 25.7
 203 22.2 14.2 21.2#



#78
 Terphenyl-d14
 Concen: 43.16 ng
 RT: 14.85 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Tgt Ion: 244 Resp: 751916
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 9.2 7.8 11.8





#80

Benzo(a)anthracene

Concen: 12.54 ng

RT: 16.13 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

Instrument :

BNA_F

ClientSampleId :

SB6

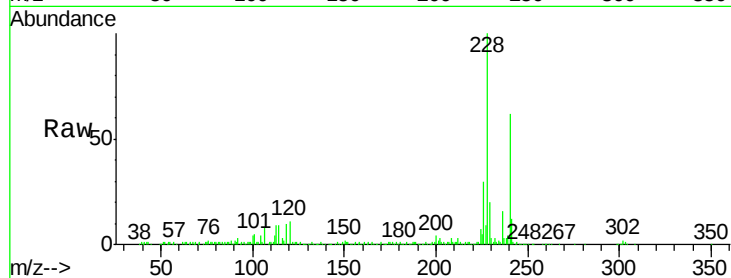
Tgt Ion:228 Resp: 299411

Ion Ratio Lower Upper

228 100

226 30.3 22.0 33.0

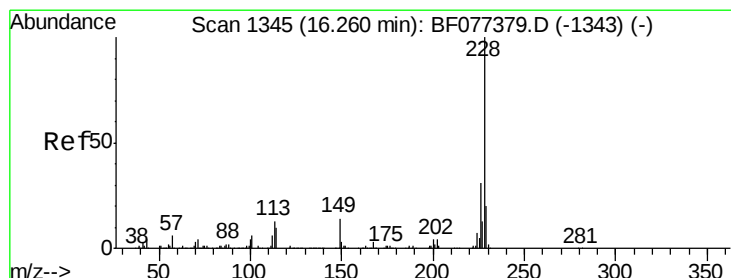
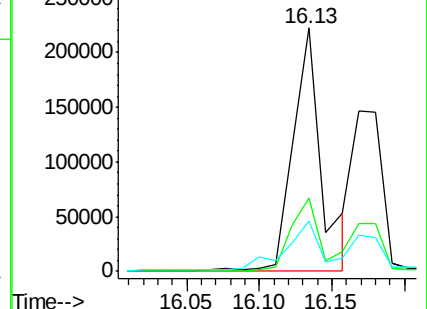
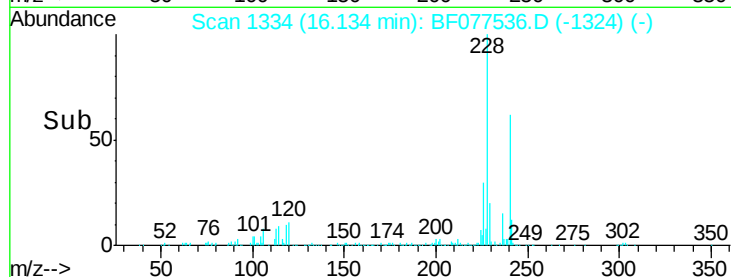
229 20.5 15.8 23.8



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: 9.11 ng

RT: 16.17 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

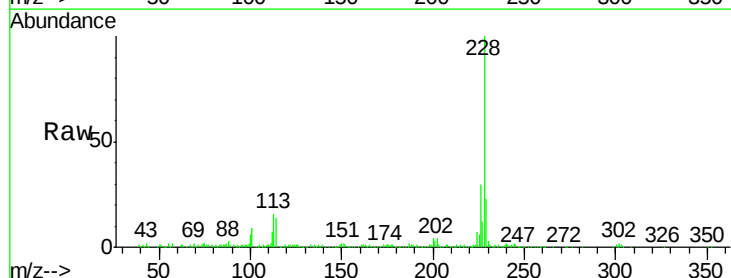
Tgt Ion:228 Resp: 204269

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

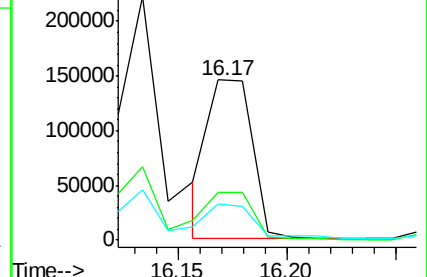
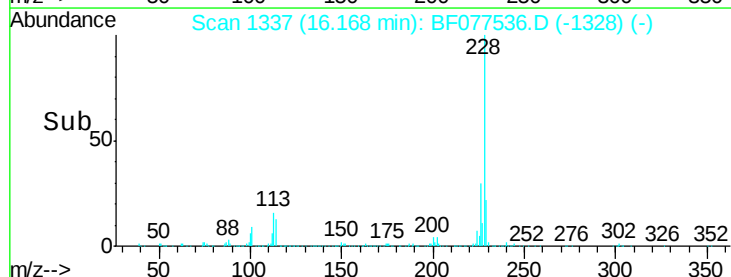
229 22.5 16.4 24.6

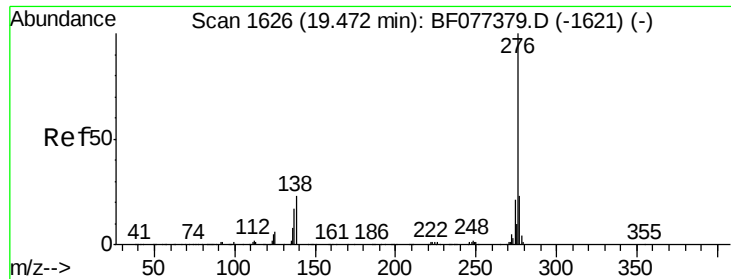


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

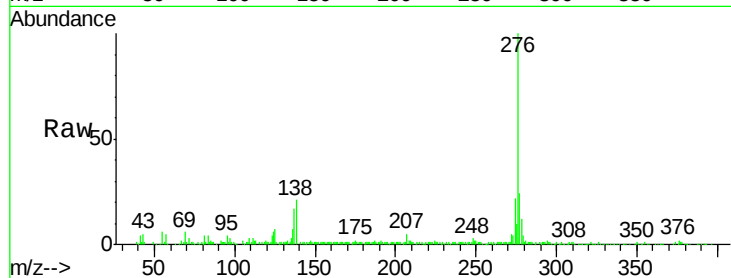




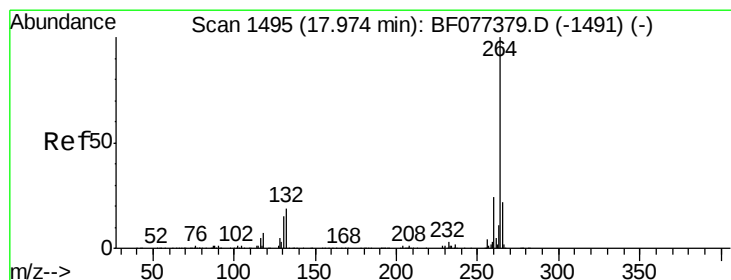
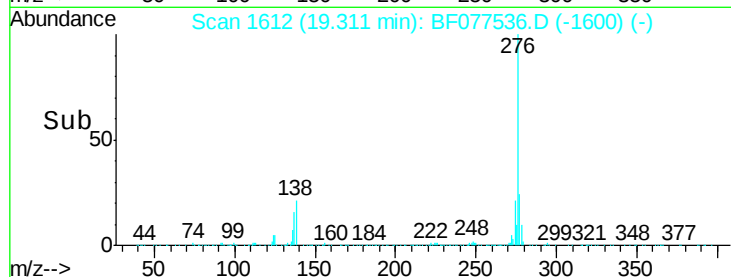
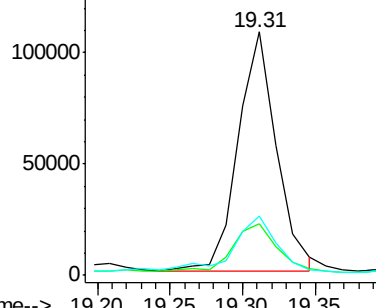
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.70 ng
 RT: 19.31 min Scan# 1612
 Delta R.T. 0.03 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Instrument :
 BNA_F
 ClientSampleID :
 SB6

Tgt Ion: 276 Resp: 196678
 Ion Ratio Lower Upper
 276 100
 138 22.8 21.2 31.8
 277 24.9 20.0 30.0

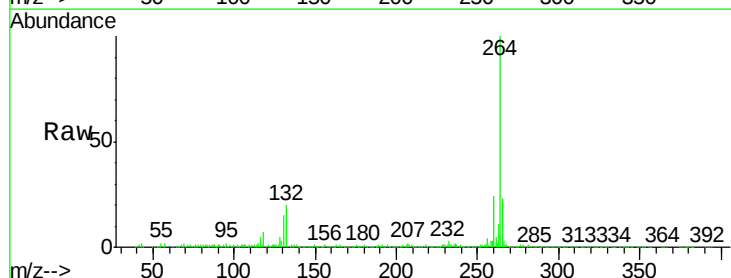


Abundance Ion 276.00 (275.70 to 276.70): E
 150000 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

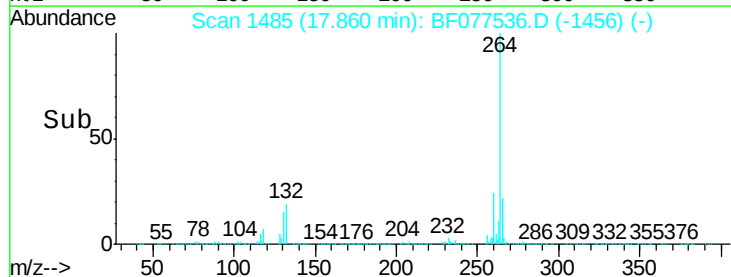
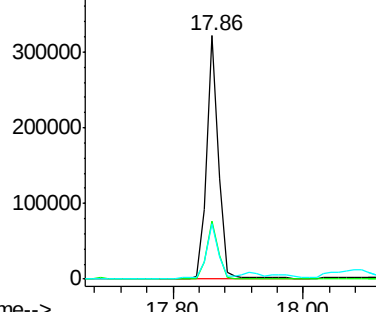


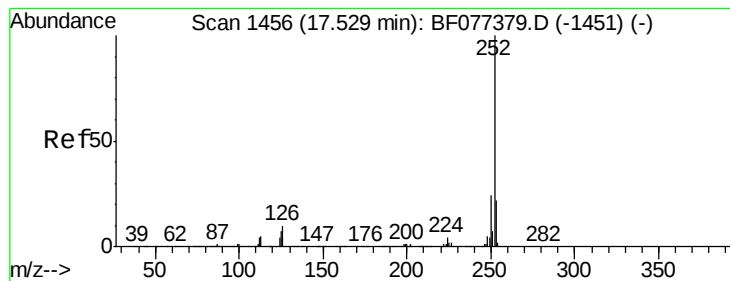
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.86 min Scan# 1485
 Delta R.T. 0.03 min
 Lab File: BF077536.D
 Acq: 2 Mar 2015 21:46

Tgt Ion: 264 Resp: 393178
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.3 28.9
 265 22.6 16.8 25.2



Abundance Ion 264.00 (263.70 to 264.70): E
 400000 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 23.32 ng

RT: 17.43 min Scan# 1447

Delta R.T. 0.04 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

Instrument :

BNA_F

ClientSampleId :

SB6

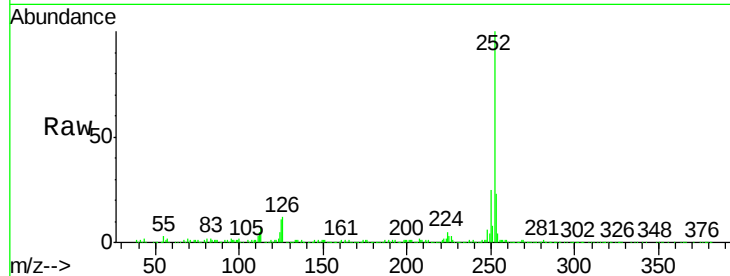
Tgt Ion:252 Resp: 533239

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

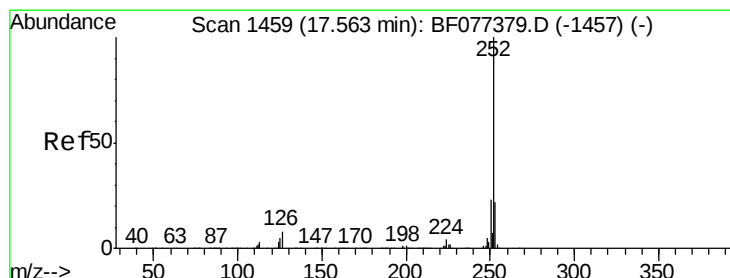
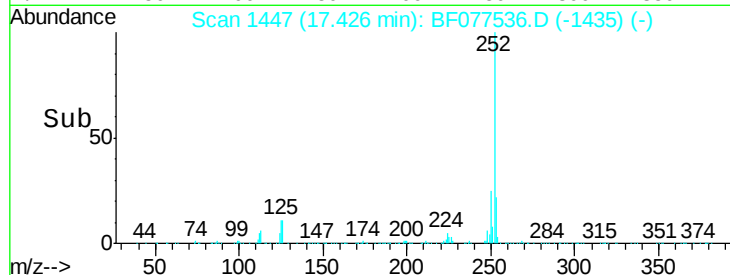
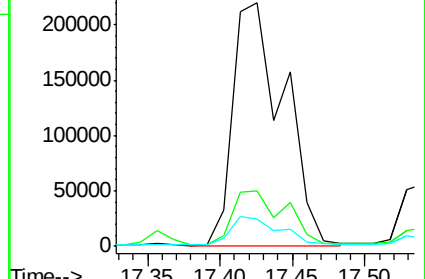
125 11.4 5.4 8.2#



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: 23.91 ng

RT: 17.43 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

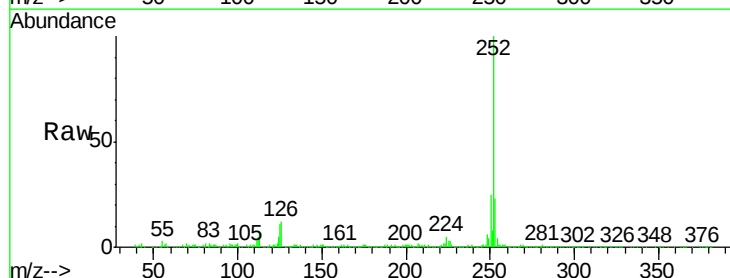
Tgt Ion:252 Resp: 535694

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

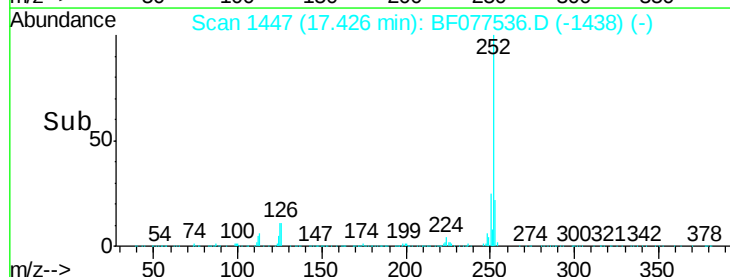
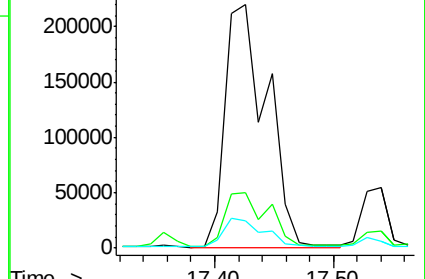
125 11.4 10.1 15.1

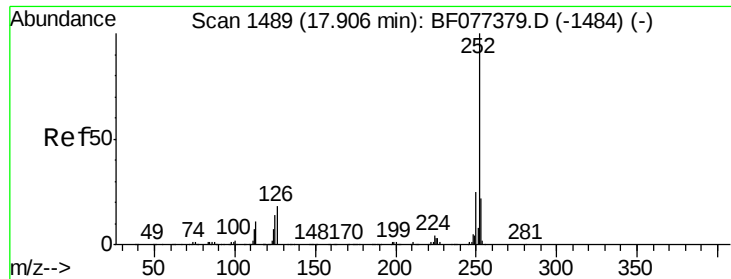


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 13.83 ng

RT: 17.80 min Scan# 1479

Delta R.T. 0.03 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

Instrument :

BNA_F

ClientSampleId :

SB6

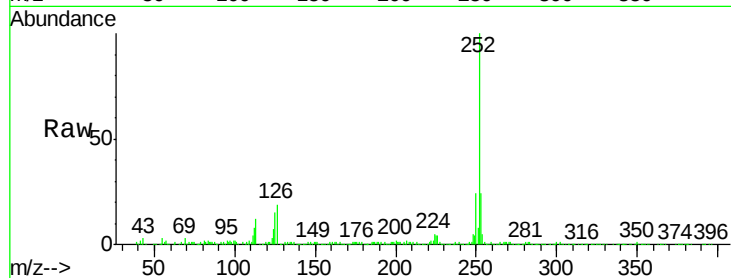
Tgt Ion:252 Resp: 301202

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

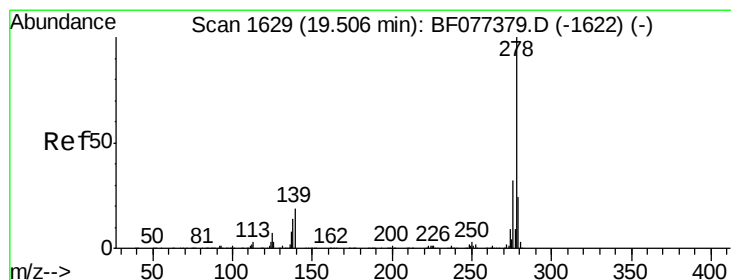
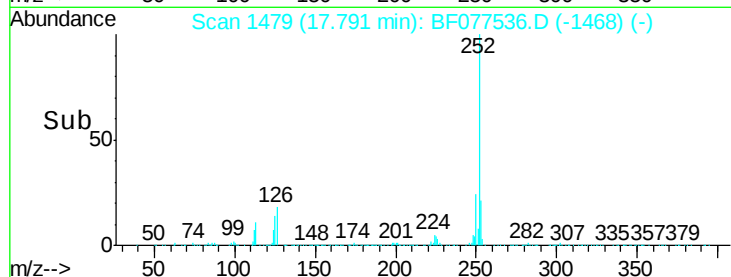
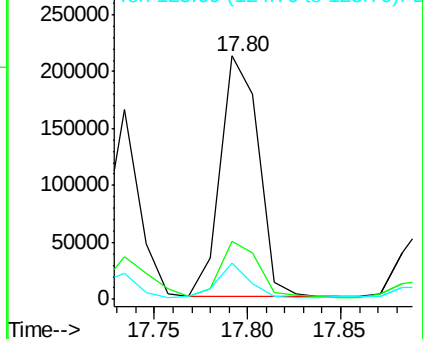
125 14.9 8.3 12.5#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.37 ng

RT: 19.33 min Scan# 1614

Delta R.T. 0.03 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

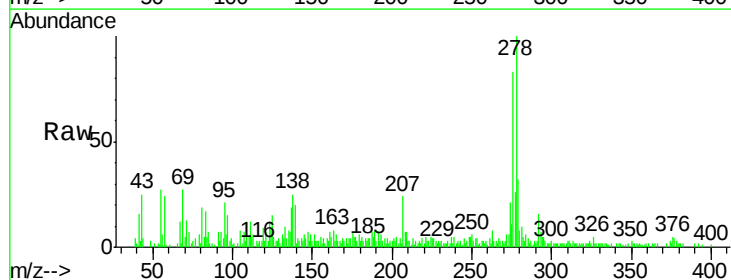
Tgt Ion:278 Resp: 49157

Ion Ratio Lower Upper

278 100

139 20.4 14.3 21.5

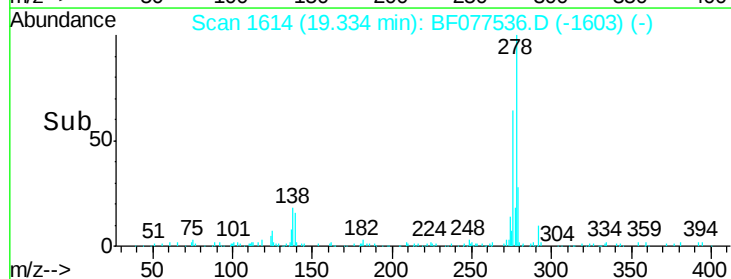
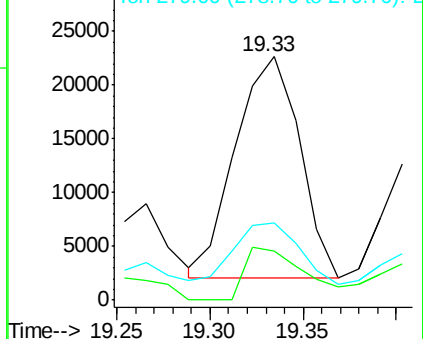
279 31.6 19.0 28.6#

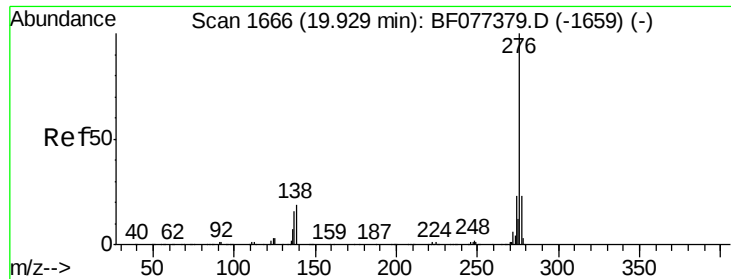


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 8.81 ng

RT: 19.74 min Scan# 1650

Delta R.T. 0.04 min

Lab File: BF077536.D

Acq: 2 Mar 2015 21:46

Instrument :

BNA_F

ClientSampleId :

SB6

Tgt Ion: 276 Resp: 184581

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 22.2 20.5 30.7

