

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077530.D
 Acq On : 2 Mar 2015 18:56
 Operator : TP/IZ
 Sample : G1399-05
 Misc : S
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB13

Quant Time: Mar 03 03:03:25 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

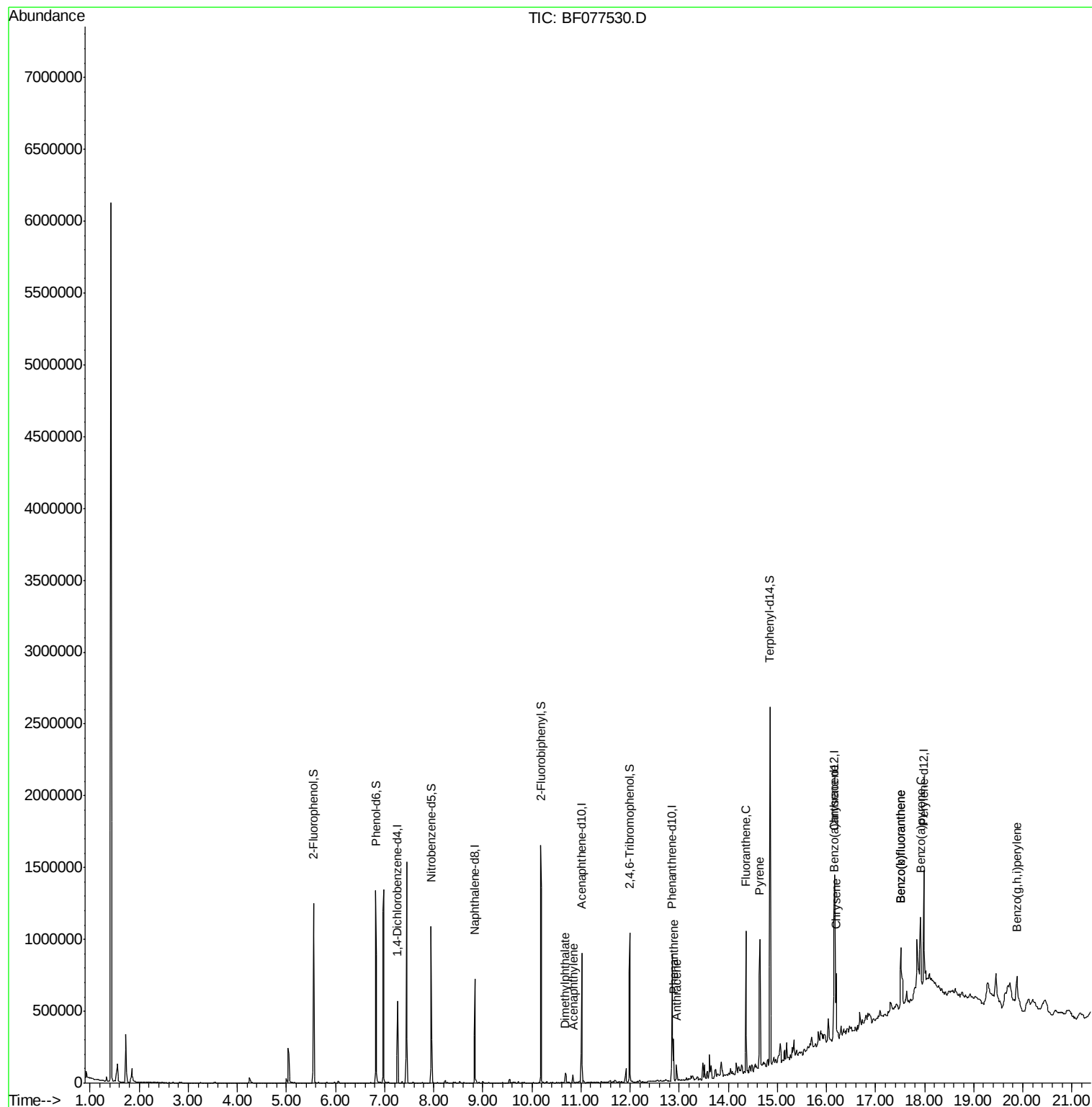
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	93207	20.00	ng	0.00
21) Naphthalene-d8	8.84	136	373096	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	181061	20.00	ng	0.00
63) Phenanthrene-d10	12.86	188	357464	20.00	ng	0.00
75) Chrysene-d12	16.17	240	400648	20.00	ng	0.03
86) Perylene-d12	17.99	264	383742	20.00	ng	0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	494277	88.53	ng	0.01
7) Phenol-d6	6.82	99	607817	84.67	ng	0.00
23) Nitrobenzene-d5	7.95	82	349992	58.33	ng	0.00
41) 2,4,6-Tribromophenol	11.99	330	158938	91.17	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	747156	64.34	ng	0.00
78) Terphenyl-d14	14.85	244	863425	50.38	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.84	152	41997	2.47	ng	98
49) Dimethylphthalate	10.69	163	34645	2.72	ng	# 98
70) Phenanthrene	12.89	178	132519	6.40	ng	100
71) Anthracene	12.95	178	50729	2.47	ng	99
74) Fluoranthene	14.36	202	428885	18.95	ng	98
77) Pyrene	14.64	202	468560	19.12	ng	100
80) Benzo(a)anthracene	16.16	228	284419	12.11	ng	95
82) Chrysene	16.20	228	202538	9.19	ng	98
87) Benzo(b)fluoranthene	17.53	252	377357	16.91	ng	# 92
88) Benzo(k)fluoranthene	17.53	252	305966	13.99	ng	97
89) Benzo(a)pyrene	17.92	252	211296	9.94	ng	97
91) Benzo(g,h,i)perylene	19.89	276	115794	5.66	ng	98

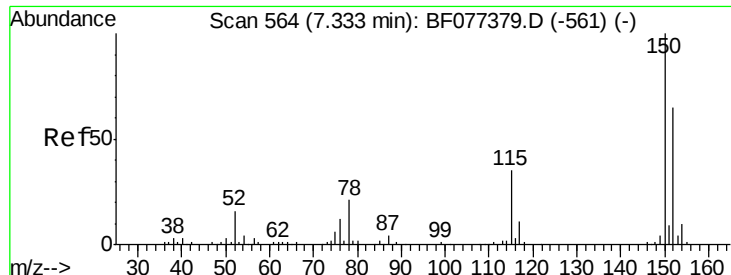
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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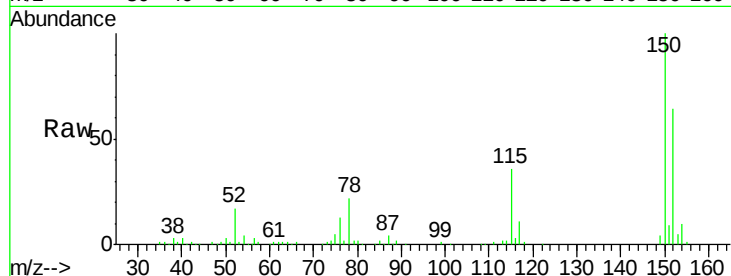


#1

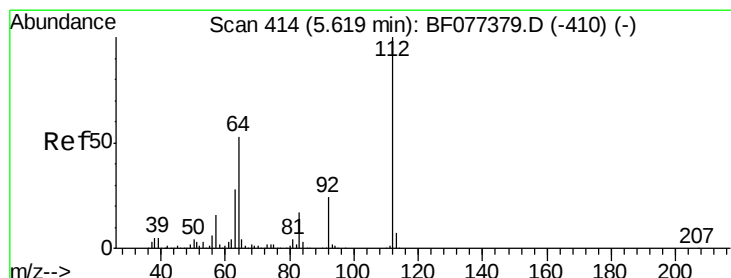
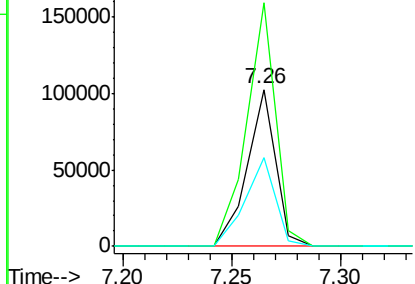
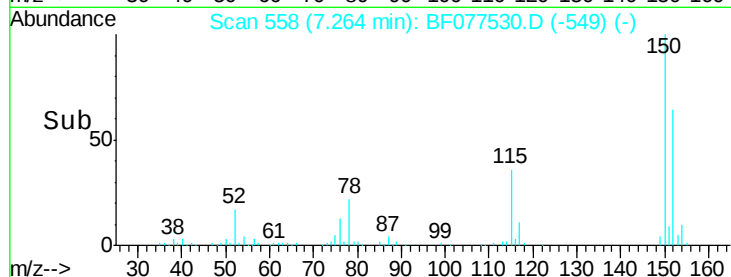
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 558
Delta R.T. 0.00 min
Lab File: BF077530.D
Acq: 2 Mar 2015 18:56

Instrument :
BNA_F
ClientSampleId :
SB13

Tgt Ion:152 Resp: 93207
Ion Ratio Lower Upper
152 100
150 155.2 124.0 186.0
115 56.5 49.4 74.2



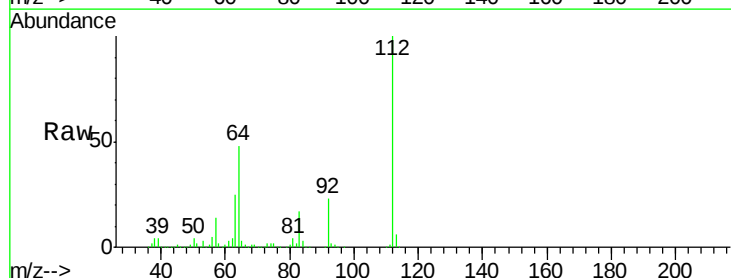
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



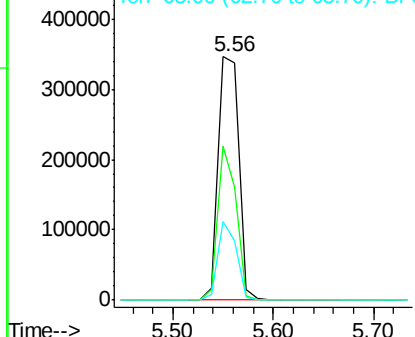
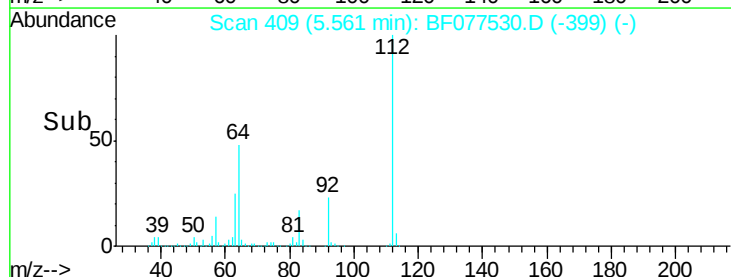
#5

2-Fluorophenol
Concen: 88.53 ng
RT: 5.56 min Scan# 409
Delta R.T. 0.01 min
Lab File: BF077530.D
Acq: 2 Mar 2015 18:56

Tgt Ion:112 Resp: 494277
Ion Ratio Lower Upper
112 100
64 47.6 48.5 72.7#
63 24.9 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: 84.67 ng

RT: 6.82 min Scan# 519

Delta R.T. 0.01 min

Lab File: BF077530.D

Acq: 2 Mar 2015 18:56

Instrument :

BNA_F

ClientSampleId :

SB13

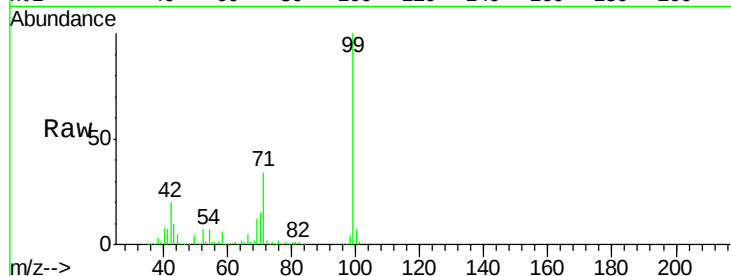
Tgt Ion: 99 Resp: 607817

Ion Ratio Lower Upper

99 100

42 20.0 16.2 24.4

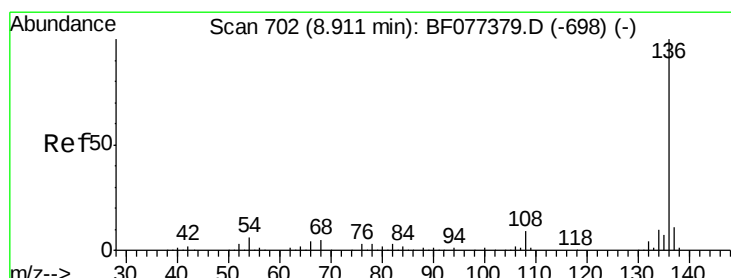
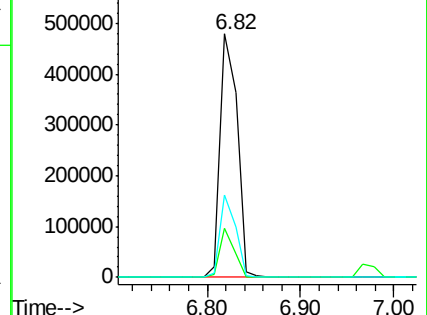
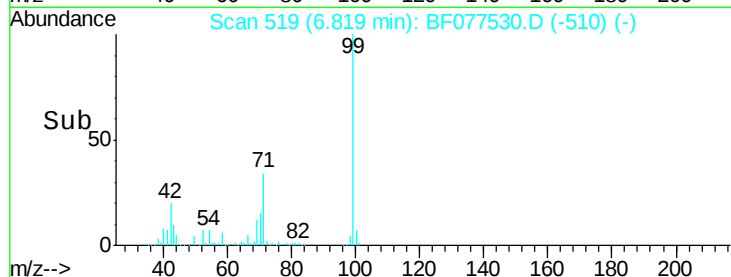
71 34.0 26.7 40.1



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: BF077530.D

Acq: 2 Mar 2015 18:56

Tgt Ion: 136 Resp: 373096

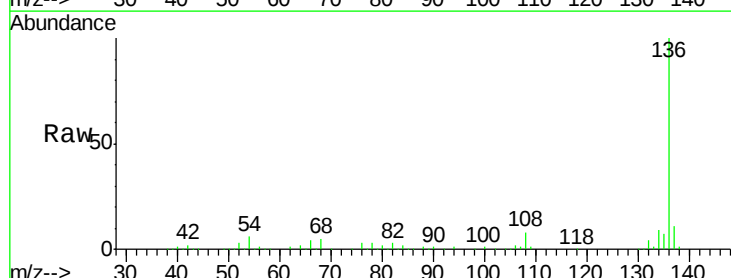
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 5.9 6.2 9.4

68 5.2 5.0 7.6

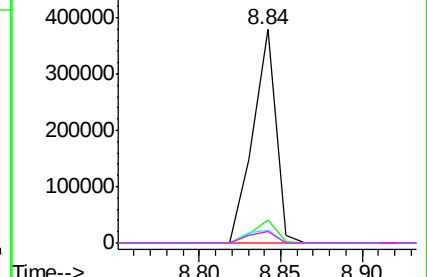
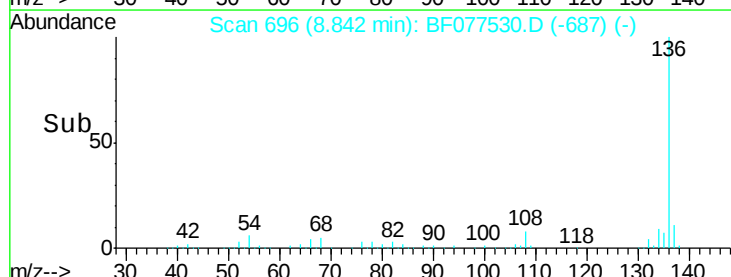


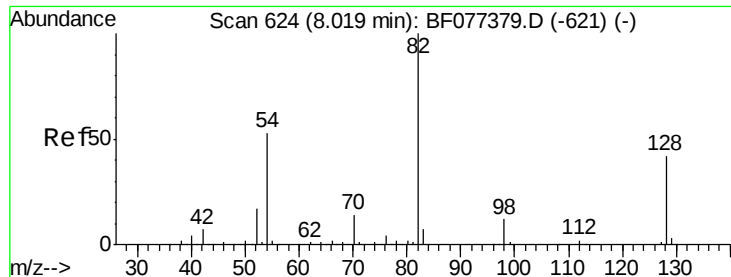
Abundance Ion 136.00 (135.70 to 136.70): E

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

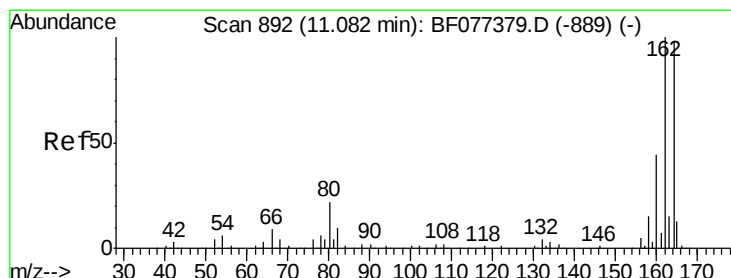
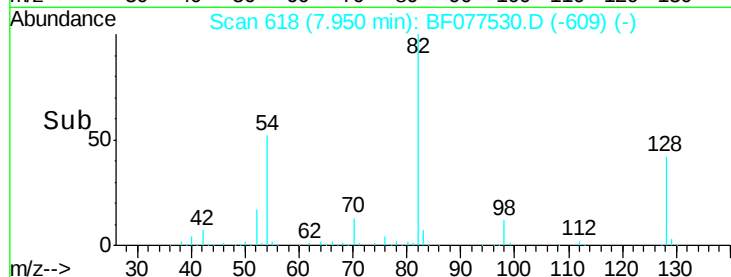
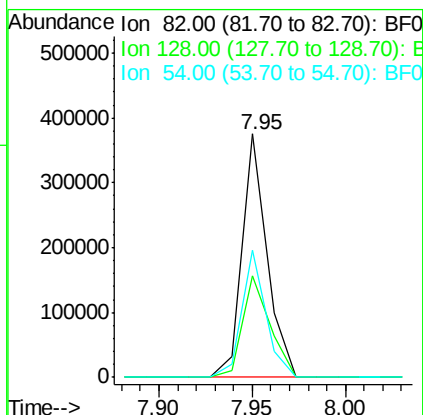
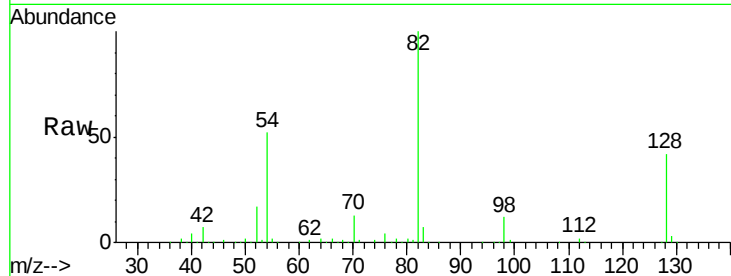




#23
Nitrobenzene-d5
Concen: 58.33 ng
RT: 7.95 min Scan# 618
Delta R.T. 0.00 min
Lab File: BF077530.D
Acq: 2 Mar 2015 18:56

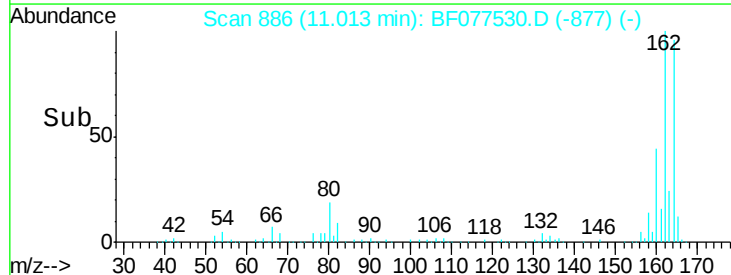
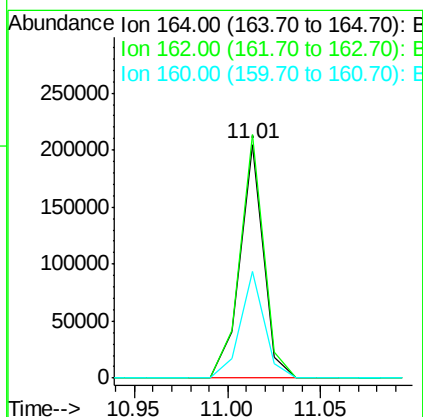
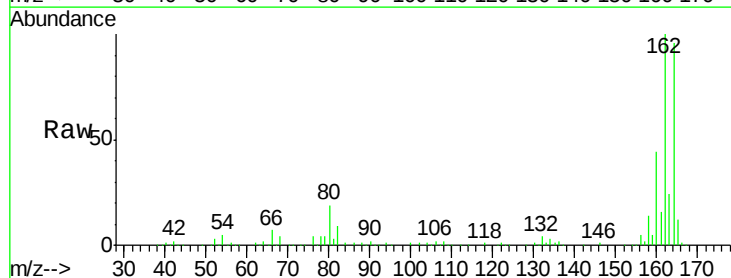
Instrument :
BNA_F
ClientSampleId :
SB13

Tgt Ion: 82 Resp: 349992
Ion Ratio Lower Upper
82 100
128 41.9 43.8 65.8#
54 52.2 36.7 55.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.01 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF077530.D
Acq: 2 Mar 2015 18:56

Tgt Ion: 164 Resp: 181061
Ion Ratio Lower Upper
164 100
162 104.3 83.2 124.8
160 45.6 34.6 52.0

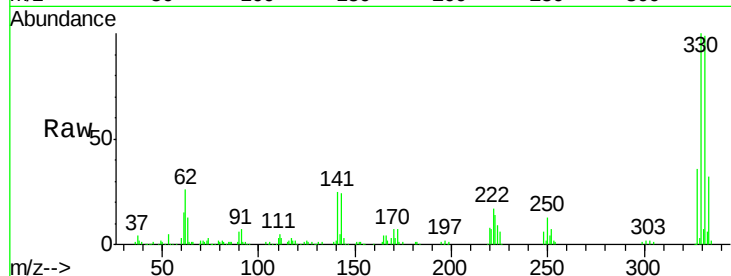




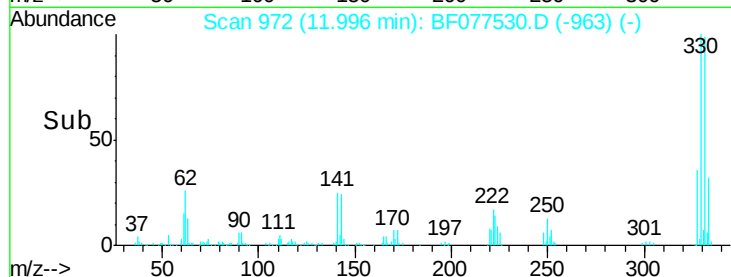
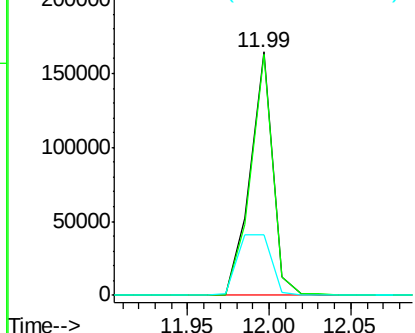
#41
 2,4,6-Tribromophenol
 Concen: 91.17 ng
 RT: 11.99 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: BF077530.D
 Acq: 2 Mar 2015 18:56

Instrument :
 BNA_F
 ClientSampleId :
 SB13

Tgt Ion:330 Resp: 158938
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.4 116.2
 141 37.2 28.8 43.2

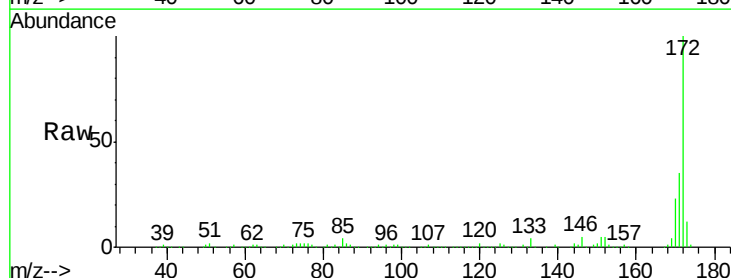


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

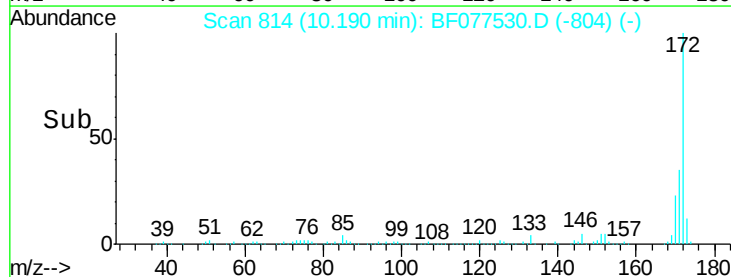
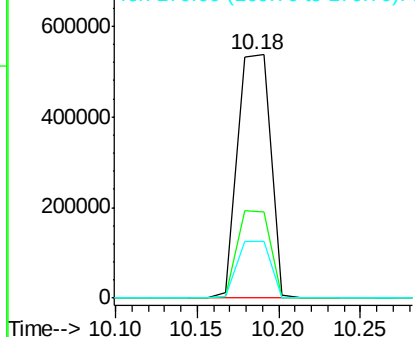


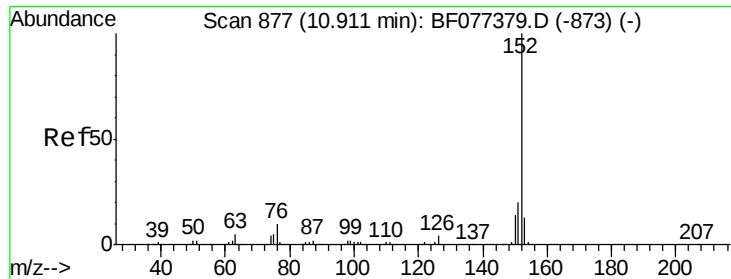
#44
 2-Fluorobiphenyl
 Concen: 64.34 ng
 RT: 10.18 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF077530.D
 Acq: 2 Mar 2015 18:56

Tgt Ion:172 Resp: 747156
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.9 43.3
 170 23.4 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: 2.47 ng

RT: 10.84 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF077530.D

Acq: 2 Mar 2015 18:56

Instrument :

BNA_F

ClientSampleId :

SB13

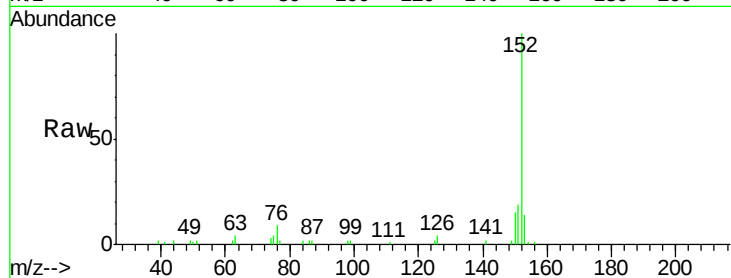
Tgt Ion:152 Resp: 41997

Ion Ratio Lower Upper

152 100

151 19.3 16.1 24.1

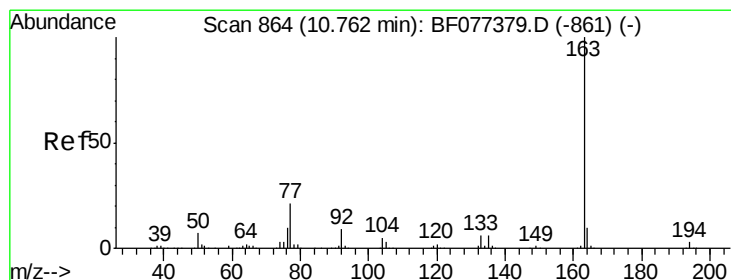
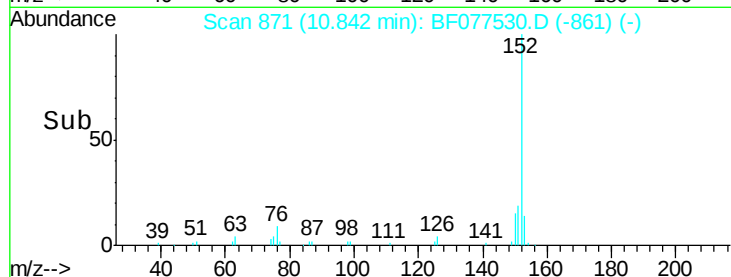
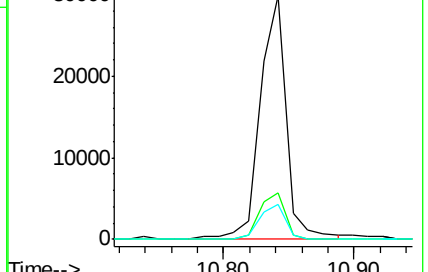
153 14.2 10.9 16.3



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



#49

Dimethylphthalate

Concen: 2.72 ng

RT: 10.69 min Scan# 858

Delta R.T. -0.00 min

Lab File: BF077530.D

Acq: 2 Mar 2015 18:56

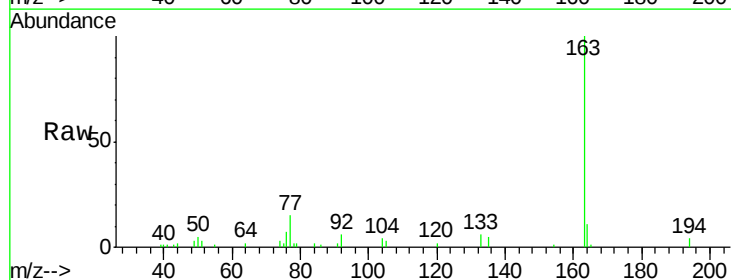
Tgt Ion:163 Resp: 34645

Ion Ratio Lower Upper

163 100

194 4.4 2.6 4.0#

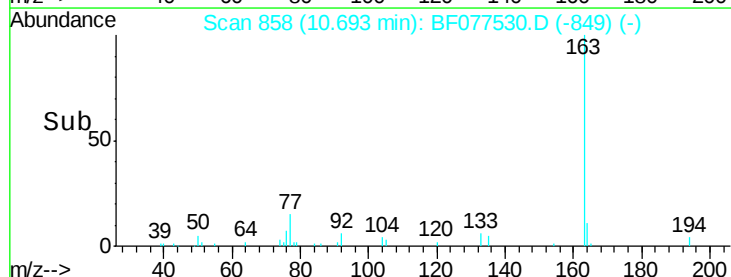
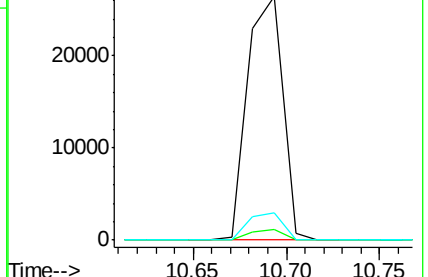
164 11.3 8.6 13.0

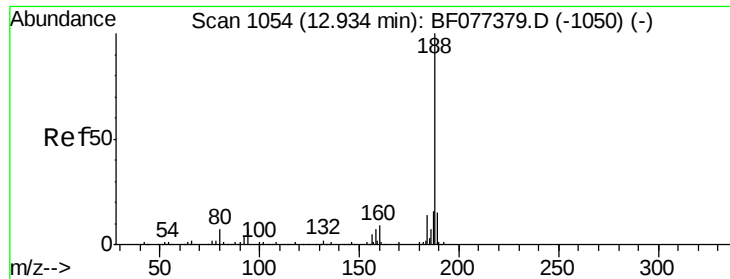


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

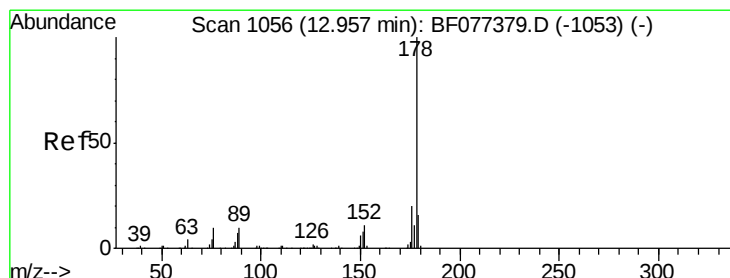
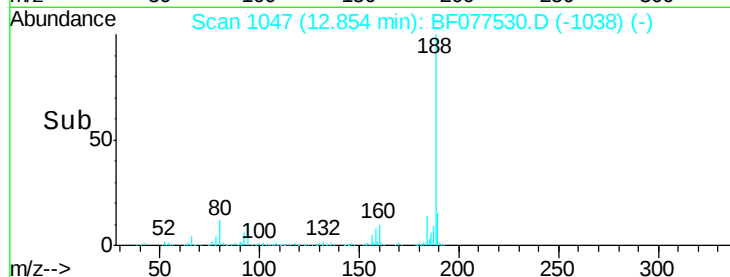
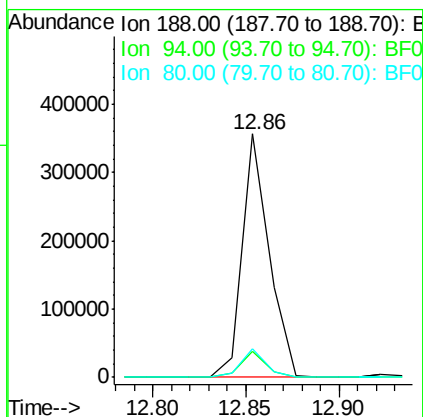
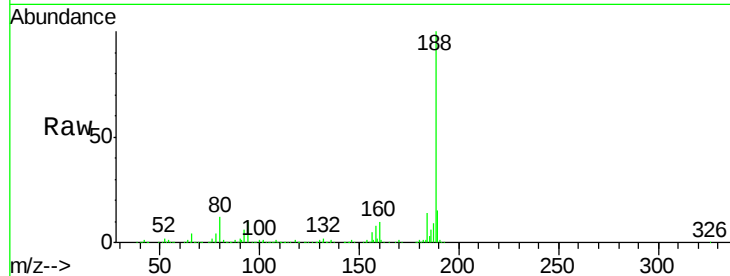




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.86 min Scan# 1047
 Delta R.T. 0.01 min
 Lab File: BF077530.D
 Acq: 2 Mar 2015 18:56

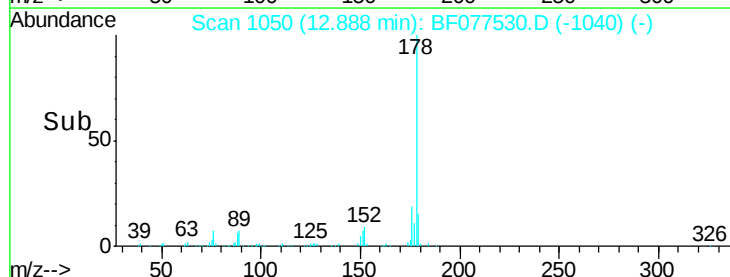
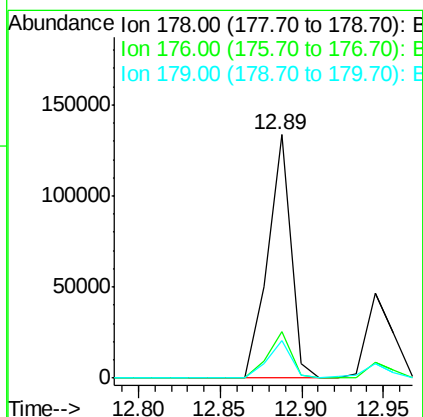
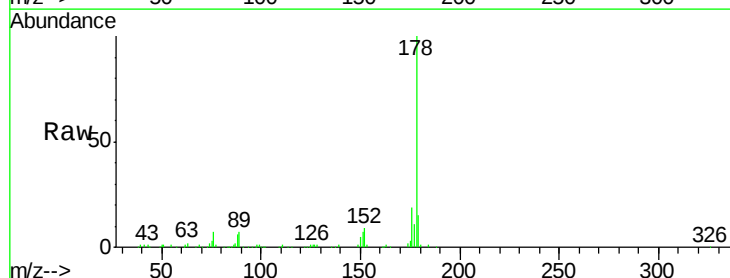
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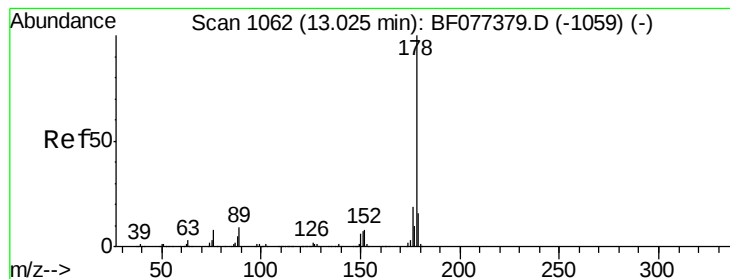
Tgt Ion:188 Resp: 357464
 Ion Ratio Lower Upper
 188 100
 94 10.5 7.4 11.2
 80 11.6 8.0 12.0



#70
 Phenanthrene
 Concen: 6.40 ng
 RT: 12.89 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: BF077530.D
 Acq: 2 Mar 2015 18:56

Tgt Ion:178 Resp: 132519
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.5 23.3
 179 15.2 12.2 18.2





#71

Anthracene

Concen: 2.47 ng

RT: 12.95 min Scan# 1055

Delta R.T. 0.01 min

Lab File: BF077530.D

Acq: 2 Mar 2015 18:56

Instrument :

BNA_F

ClientSampleId :

SB13

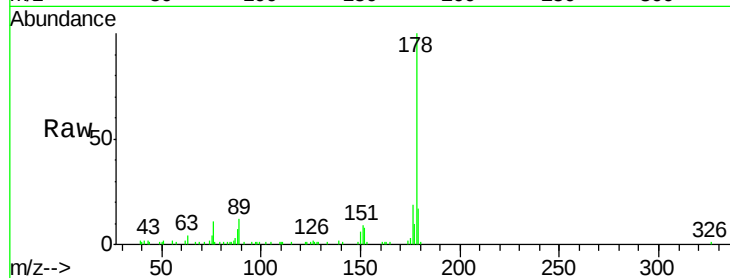
Tgt Ion:178 Resp: 50729

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

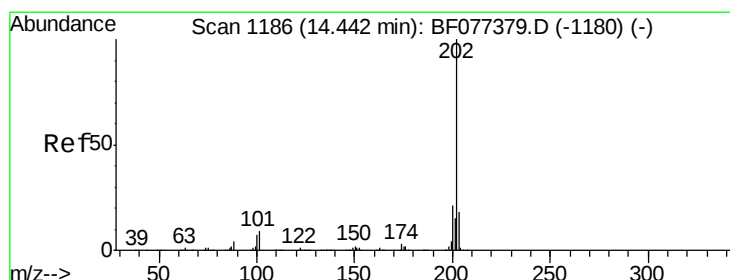
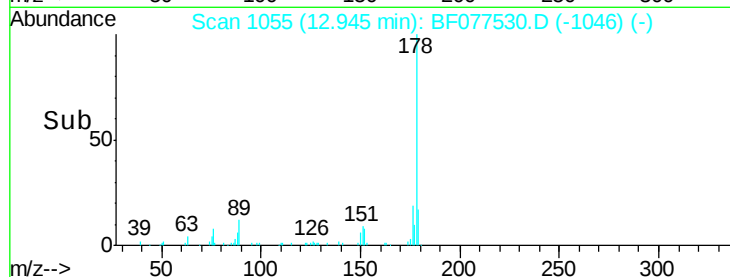
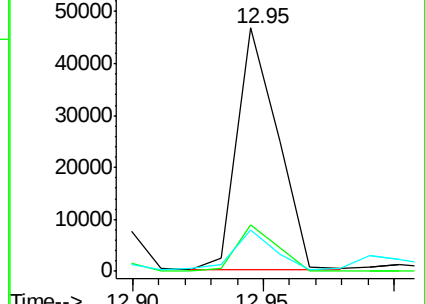
179 16.8 12.9 19.3



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



#74

Fluoranthene

Concen: 18.95 ng

RT: 14.36 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BF077530.D

Acq: 2 Mar 2015 18:56

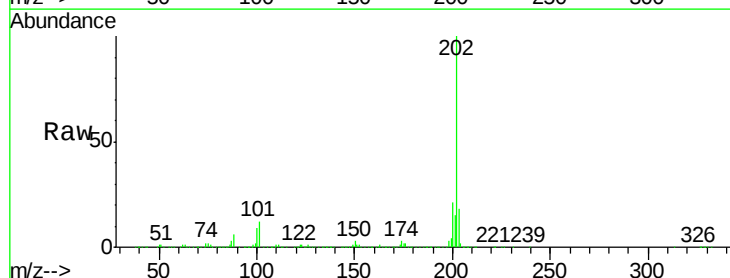
Tgt Ion:202 Resp: 428885

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.8

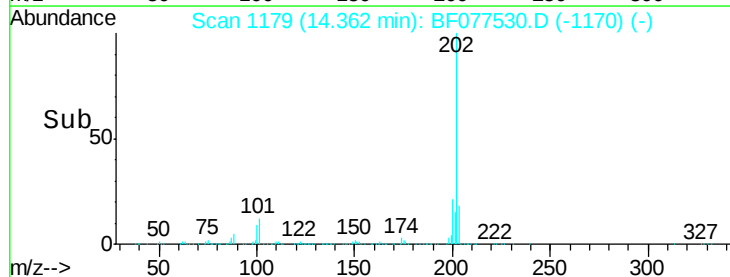
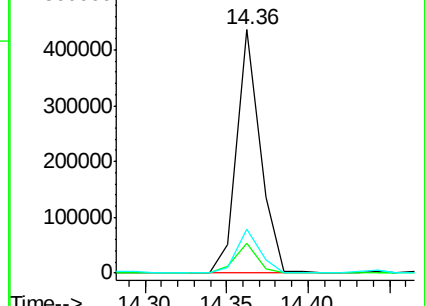
203 17.8 0.0 37.7

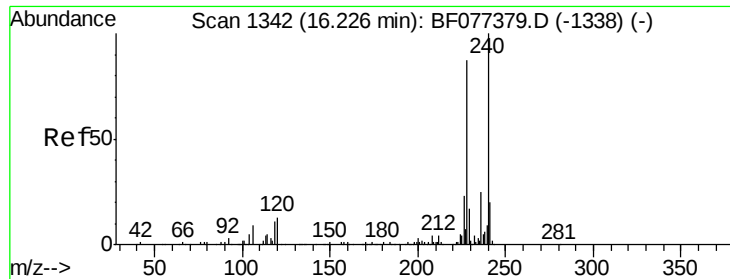


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.17 min Scan# 1337

Delta R.T. 0.03 min

Lab File: BF077530.D

Acq: 2 Mar 2015 18:56

Instrument :

BNA_F

ClientSampleId :

SB13

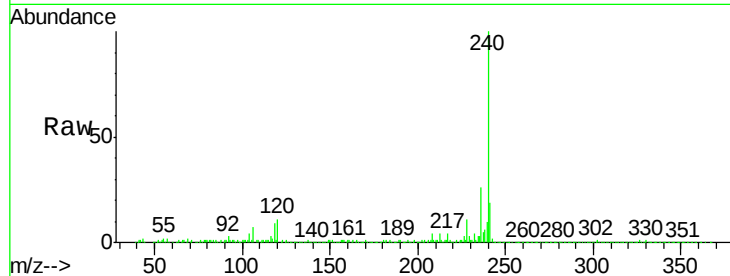
Tgt Ion:240 Resp: 400648

Ion Ratio Lower Upper

240 100

120 11.2 8.8 13.2

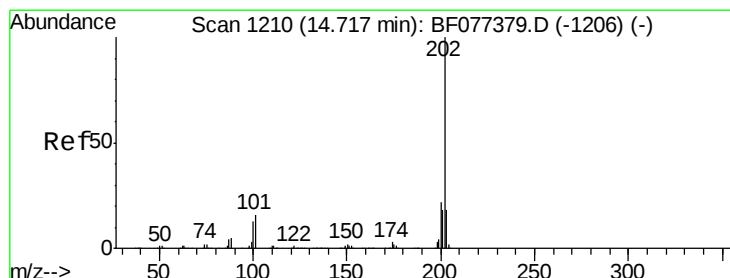
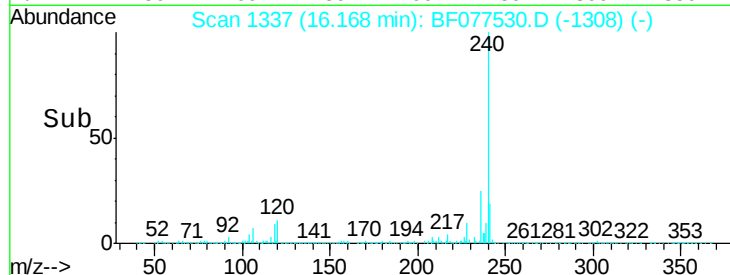
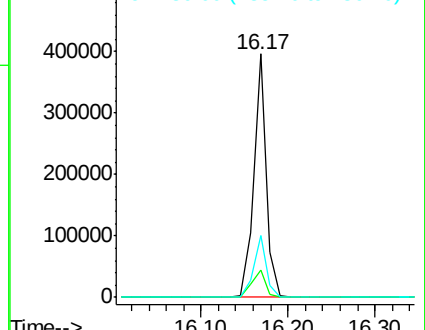
236 25.5 20.7 31.1



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

Pyrene

Concen: 19.12 ng

RT: 14.64 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BF077530.D

Acq: 2 Mar 2015 18:56

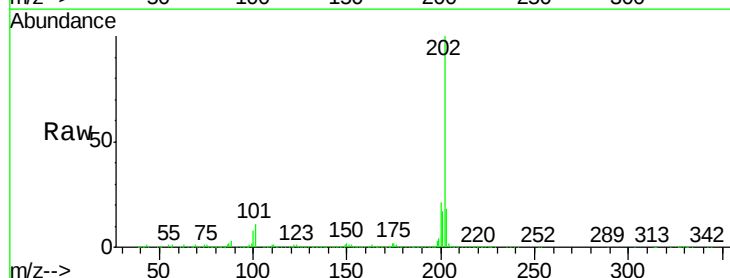
Tgt Ion:202 Resp: 468560

Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

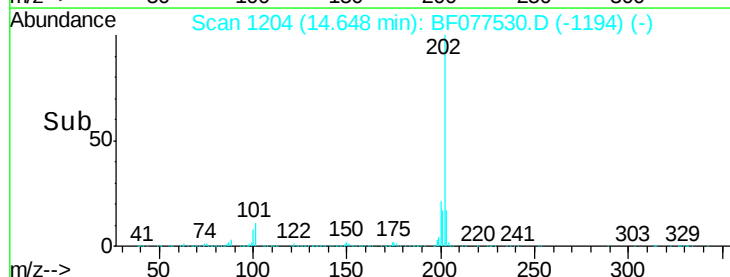
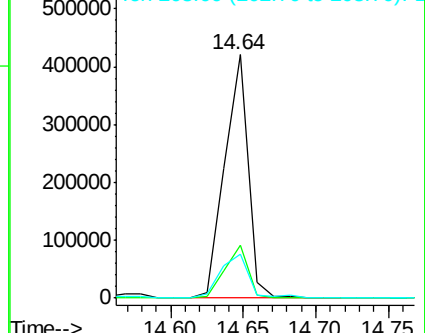
203 18.1 14.2 21.2

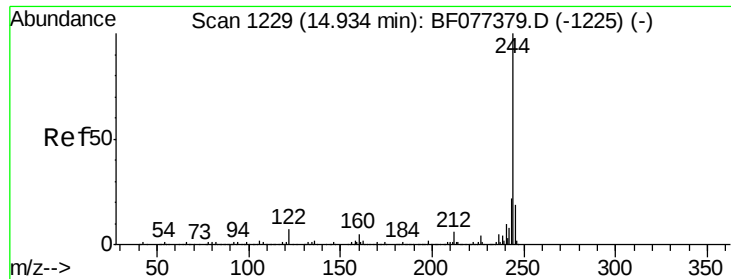


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

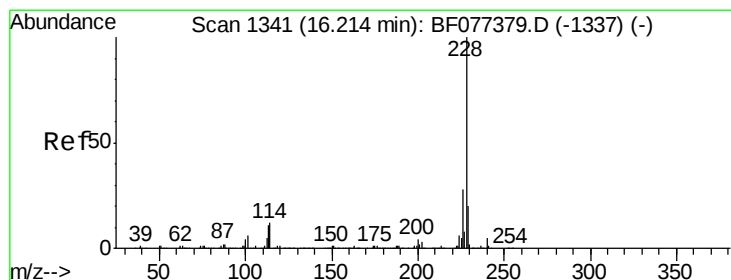
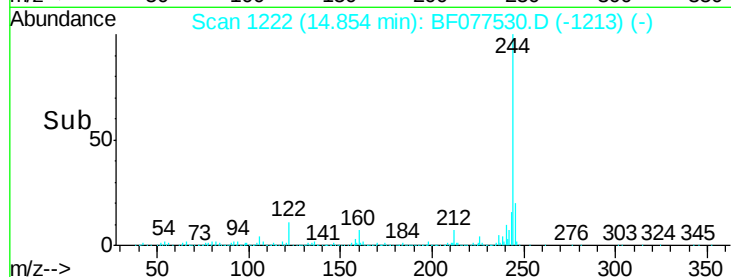
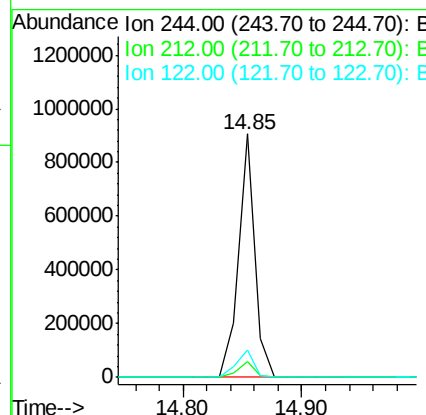
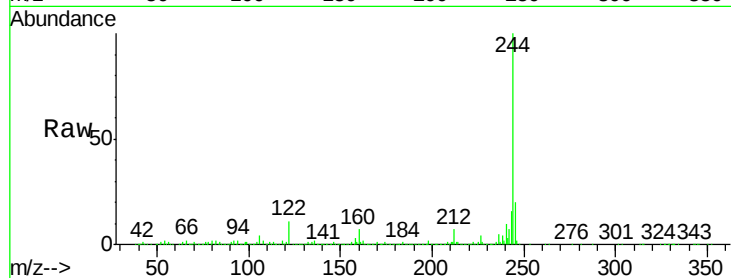




#78
 Terphenyl-d14
 Concen: 50.38 ng
 RT: 14.85 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: BF077530.D
 Acq: 2 Mar 2015 18:56

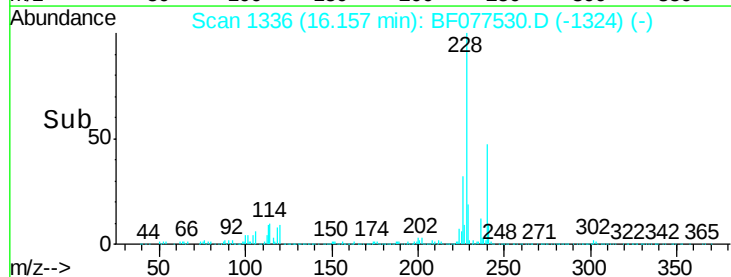
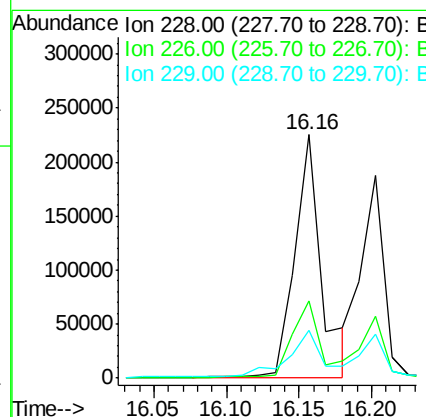
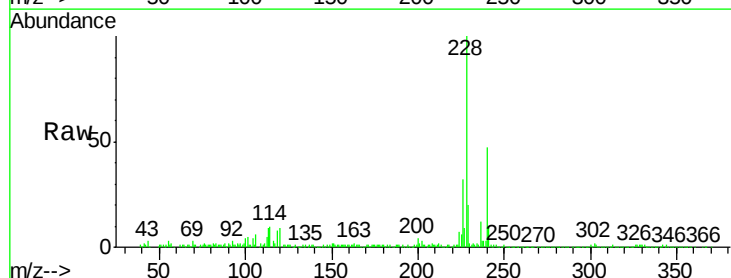
Instrument :
 BNA_F
 ClientSampleId :
 SB13

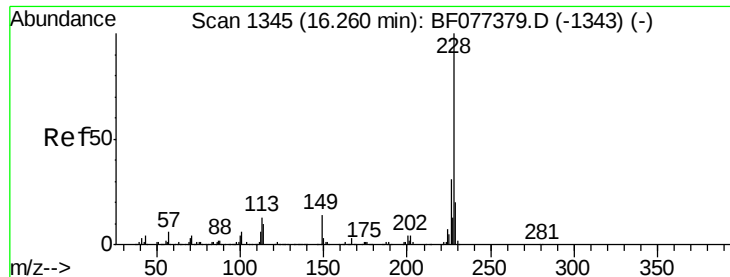
Tgt Ion:244 Resp: 863425
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 11.3 7.8 11.8



#80
 Benzo(a)anthracene
 Concen: 12.11 ng
 RT: 16.16 min Scan# 1336
 Delta R.T. 0.03 min
 Lab File: BF077530.D
 Acq: 2 Mar 2015 18:56

Tgt Ion:228 Resp: 284419
 Ion Ratio Lower Upper
 228 100
 226 31.8 22.0 33.0
 229 19.8 15.8 23.8





#82

Chrysene

Concen: 9.19 ng

RT: 16.20 min Scan# 1340

Delta R.T. 0.03 min

Lab File: BF077530.D

Acq: 2 Mar 2015 18:56

Instrument :

BNA_F

ClientSampleId :

SB13

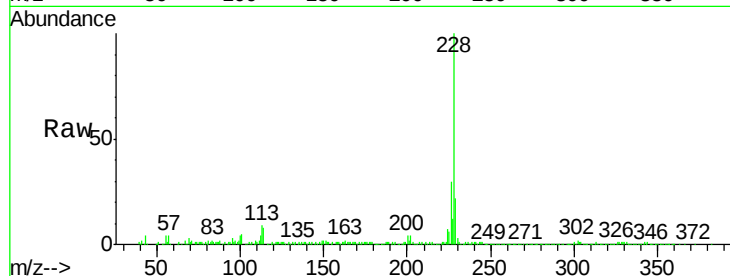
Tgt Ion:228 Resp: 202538

Ion Ratio Lower Upper

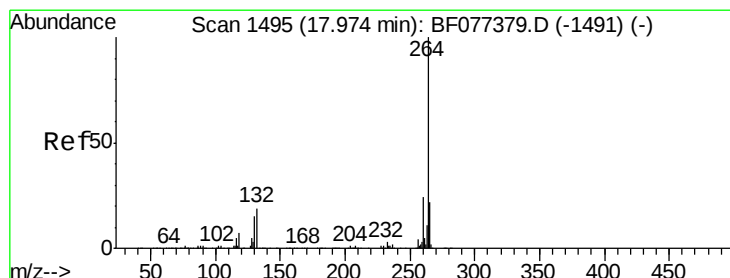
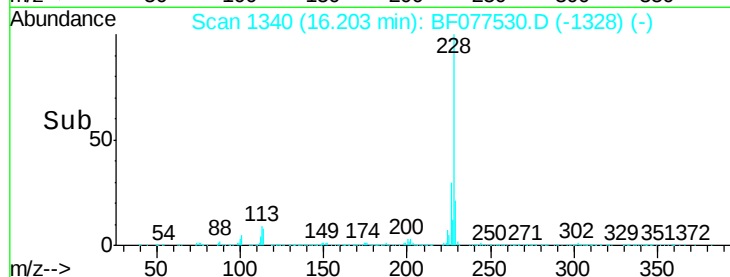
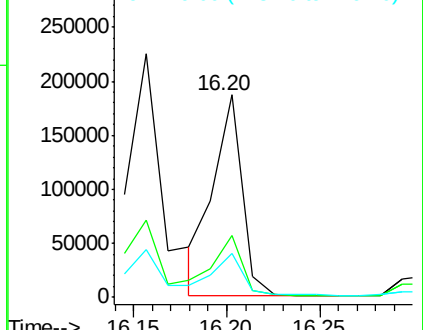
228 100

226 30.4 24.9 37.3

229 21.8 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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.99 min Scan# 1496

Delta R.T. 0.16 min

Lab File: BF077530.D

Acq: 2 Mar 2015 18:56

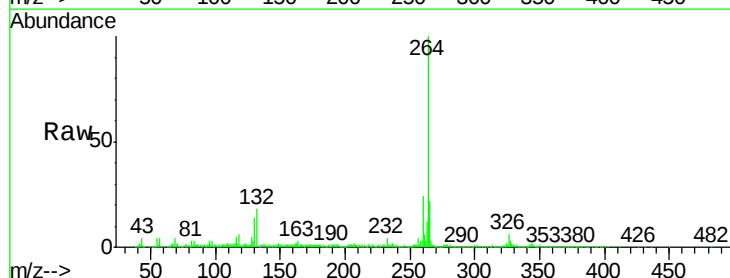
Tgt Ion:264 Resp: 383742

Ion Ratio Lower Upper

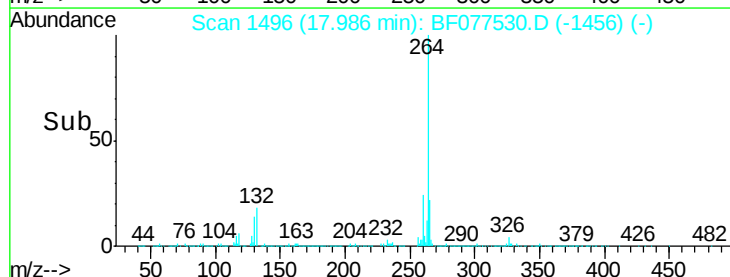
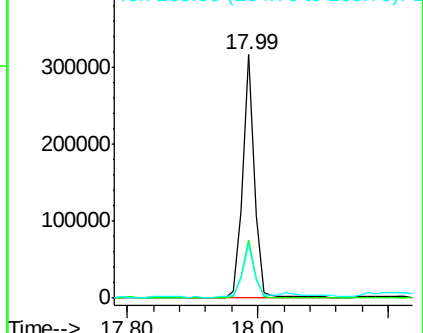
264 100

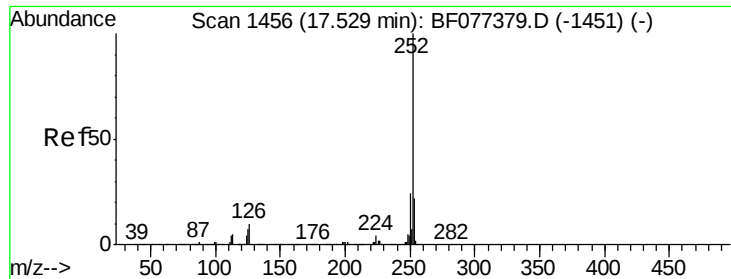
260 24.0 19.3 28.9

265 22.4 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: 16.91 ng

RT: 17.53 min Scan# 1456

Delta R.T. 0.14 min

Lab File: BF077530.D

Acq: 2 Mar 2015 18:56

Instrument :

BNA_F

ClientSampleId :

SB13

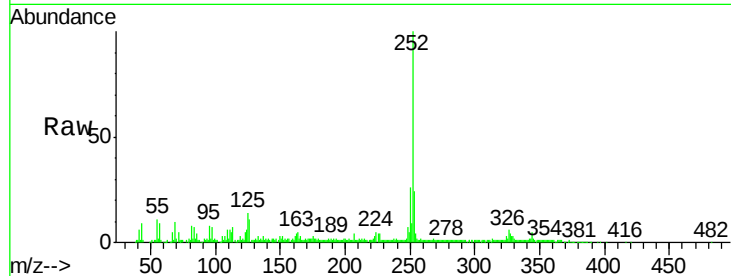
Tgt Ion:252 Resp: 377357

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

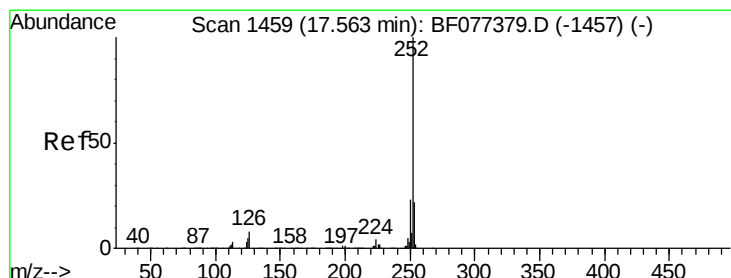
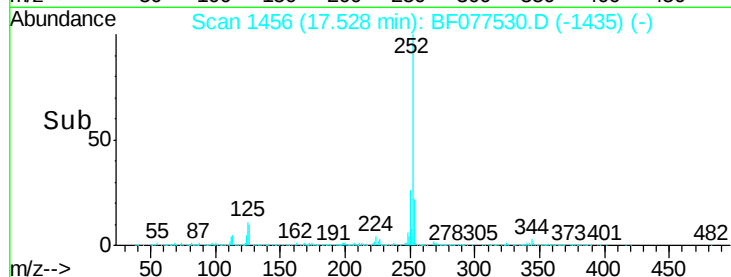
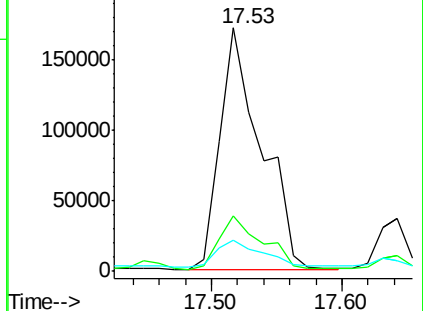
125 14.0 5.4 8.2#



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: 13.99 ng

RT: 17.53 min Scan# 1456

Delta R.T. 0.10 min

Lab File: BF077530.D

Acq: 2 Mar 2015 18:56

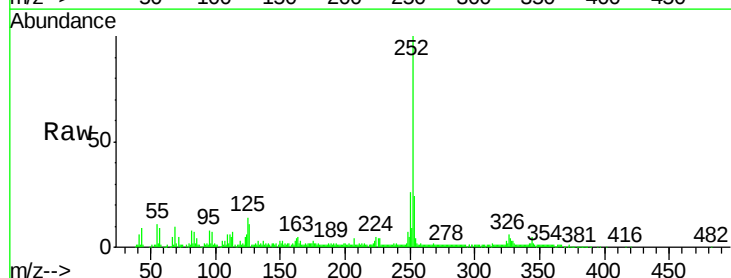
Tgt Ion:252 Resp: 305966

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

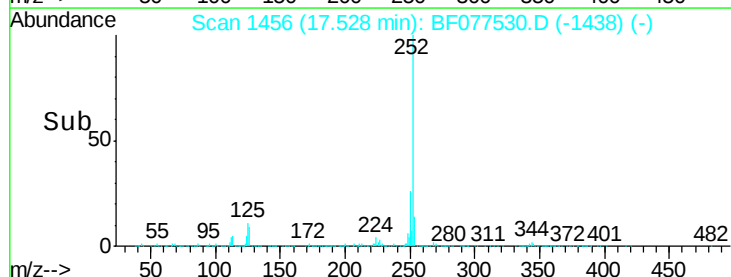
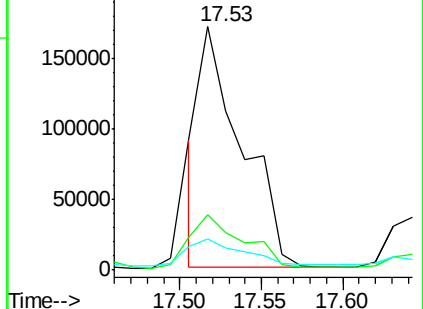
125 14.0 10.1 15.1

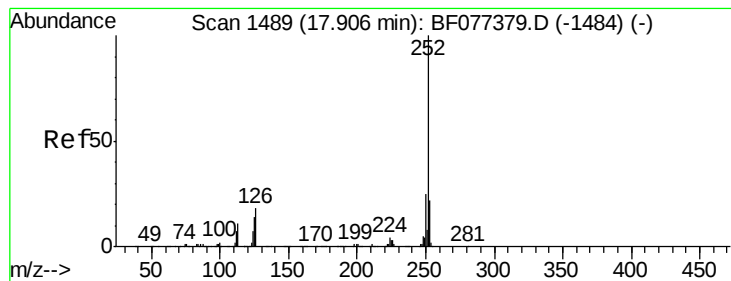


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.94 ng

RT: 17.92 min Scan# 1490

Delta R.T. 0.15 min

Lab File: BF077530.D

Acq: 2 Mar 2015 18:56

Instrument :

BNA_F

ClientSampled :

SB13

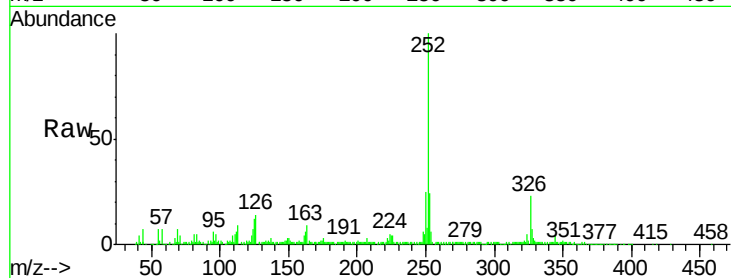
Tgt Ion:252 Resp: 211296

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

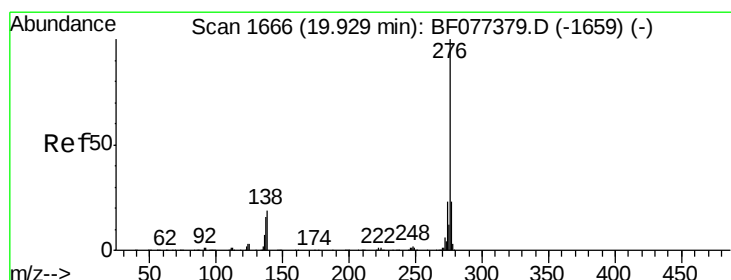
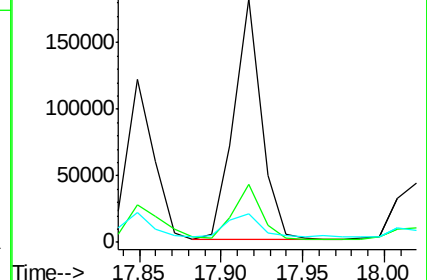
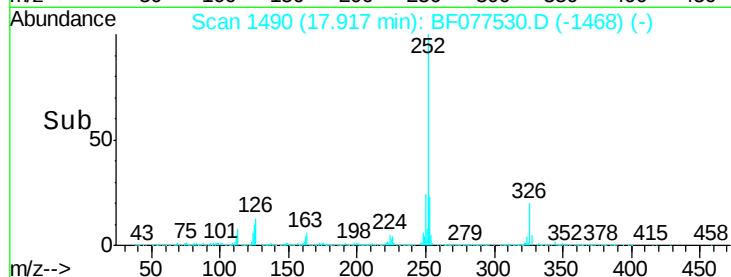
125 12.0 8.3 12.5



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



#91

Benzo(g,h,i)perylene

Concen: 5.66 ng

RT: 19.89 min Scan# 1662

Delta R.T. 0.18 min

Lab File: BF077530.D

Acq: 2 Mar 2015 18:56

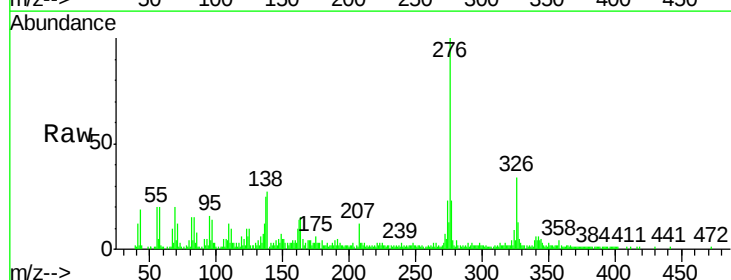
Tgt Ion:276 Resp: 115794

Ion Ratio Lower Upper

276 100

277 22.8 18.9 28.3

138 26.9 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

