

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
 Data File : BF077606.D
 Acq On : 5 Mar 2015 5:27
 Operator : TP/IZ
 Sample : G1424-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB16

Quant Time: Mar 05 06:07:05 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 21:51:23 2015
 Response via : Initial Calibration

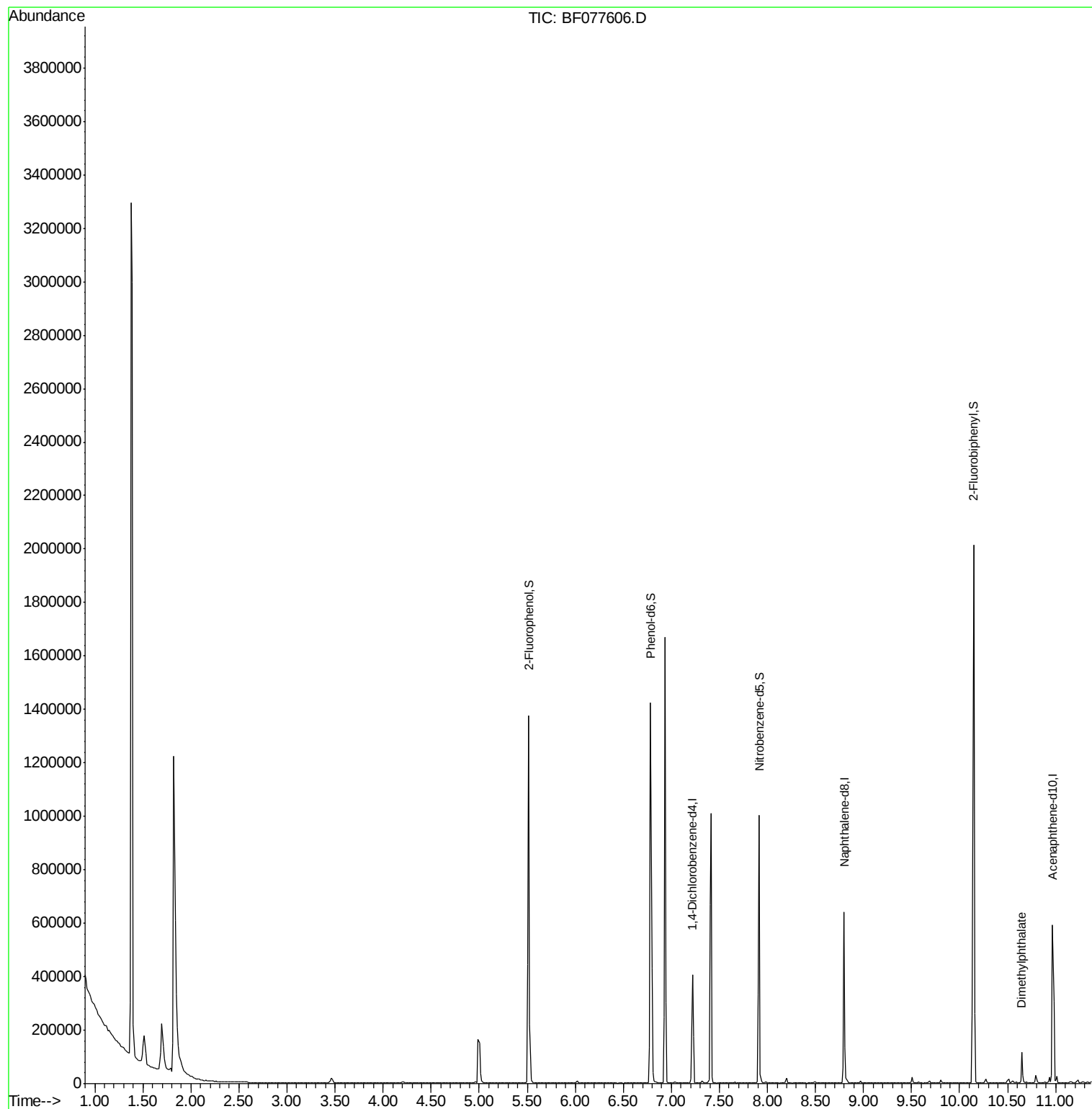
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	68813	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	283835	20.00	ng	0.00
38) Acenaphthene-d10	10.97	164	137665	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	264549	20.00	ng	0.00
75) Chrysene-d12	16.10	240	296419	20.00	ng	0.00
86) Perylene-d12	17.83	264	282807	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	421941	102.36	ng	0.00
7) Phenol-d6	6.79	99	504210	95.14	ng	0.00
23) Nitrobenzene-d5	7.91	82	325588	71.33	ng	0.00
41) 2,4,6-Tribromophenol	11.95	330	134756	101.66	ng	0.00
44) 2-Fluorobiphenyl	10.15	172	602473	68.24	ng	0.00
78) Terphenyl-d14	14.81	244	635205	50.10	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.65	163	47799	4.94	ng	98
70) Phenanthrene	12.84	178	131674	8.59	ng	98
71) Anthracene	12.90	178	32693	2.15	ng	97
74) Fluoranthene	14.32	202	218002	13.02	ng	99
77) Pyrene	14.60	202	213271	11.76	ng	99
80) Benzo(a)anthracene	16.09	228	179738	10.35	ng	99
82) Chrysene	16.13	228	136510	8.37	ng	96
85) Indeno(1,2,3-cd)pyrene	19.26	276	247649	13.31	ng	95
87) Benzo(b)fluoranthene	17.40	252	428034	26.03	ng	# 93
88) Benzo(k)fluoranthene	17.40	252	428034	26.56	ng	98
89) Benzo(a)pyrene	17.77	252	259426	16.56	ng	99
90) Dibenzo(a,h)anthracene	19.28	278	51276	3.43	ng	# 91
91) Benzo(g,h,i)perylene	19.68	276	294774	19.55	ng	95

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

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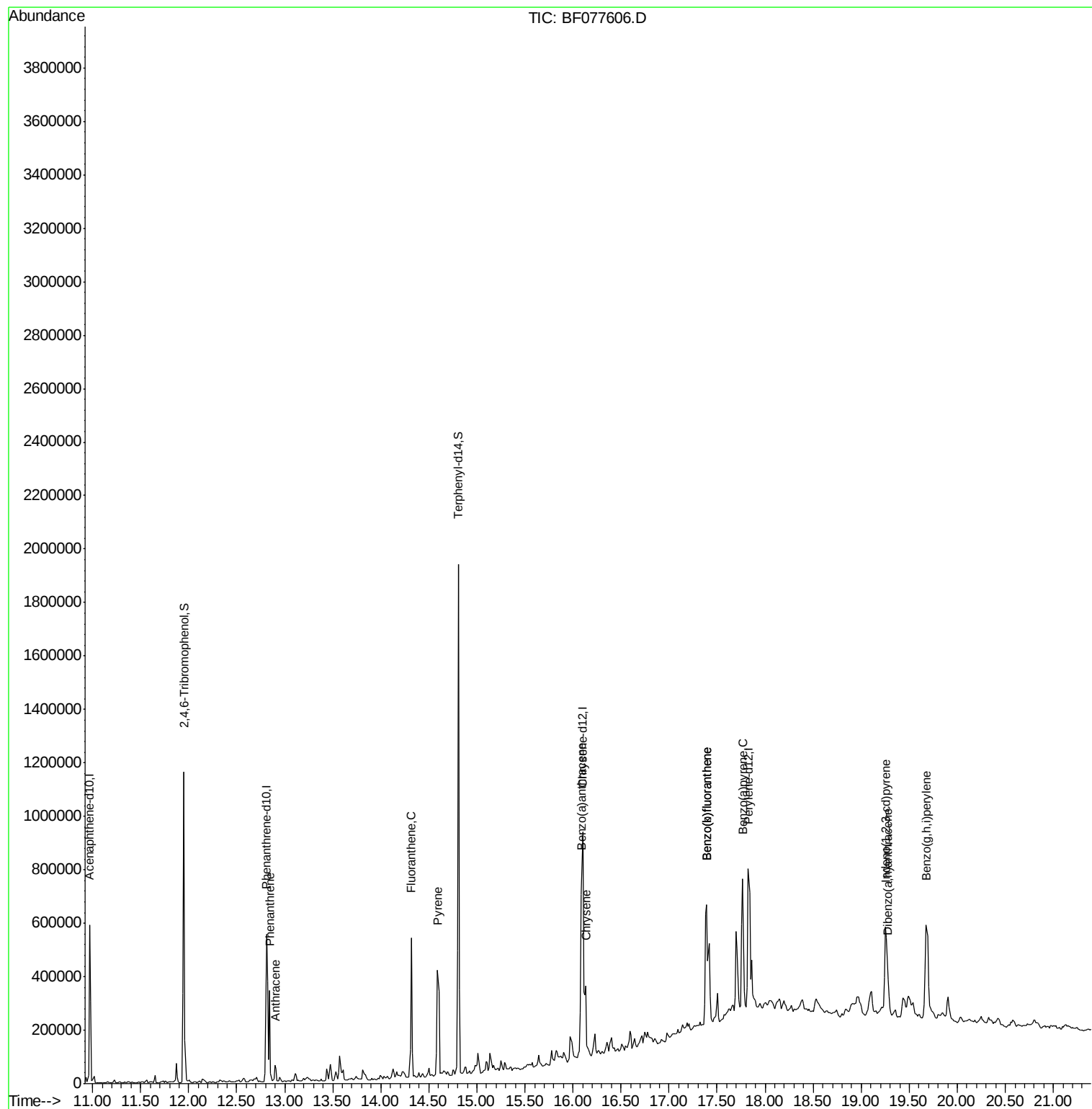
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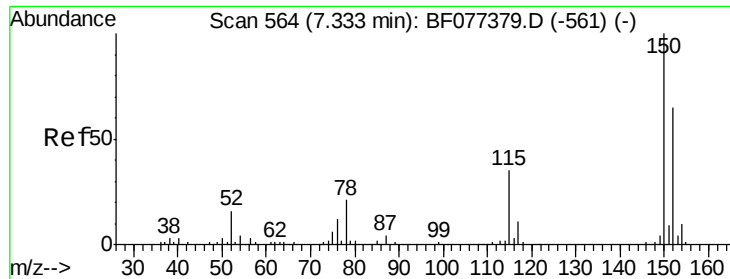


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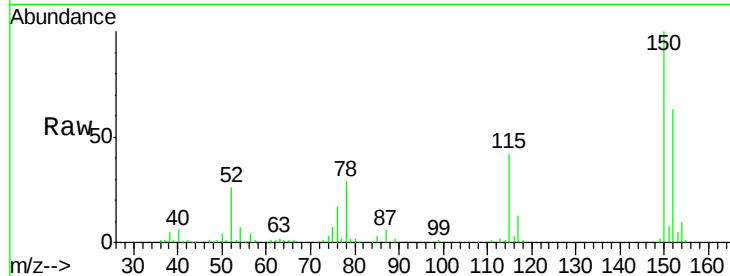


#1

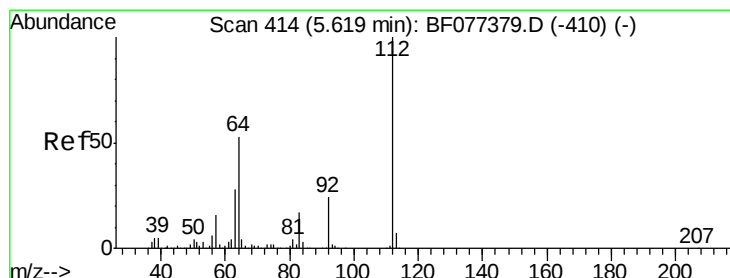
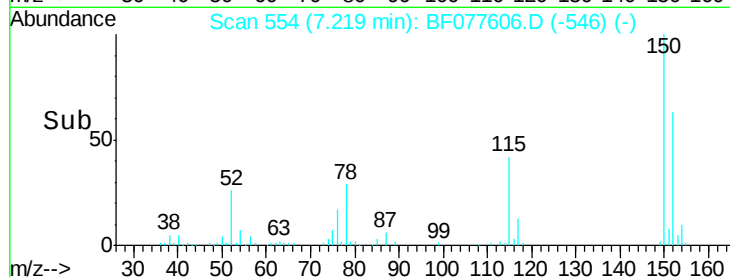
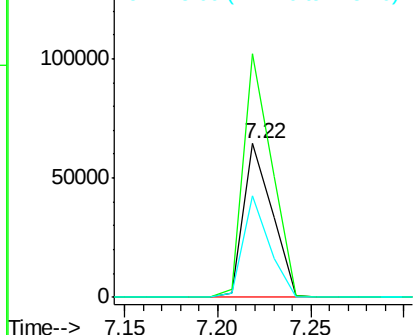
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.22 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF077606.D
Acq: 5 Mar 2015 5:27

Instrument :
BNA_F
ClientSampleId :
SB16

Tgt Ion:152 Resp: 68813
Ion Ratio Lower Upper
152 100
150 158.6 124.0 186.0
115 66.3 49.4 74.2



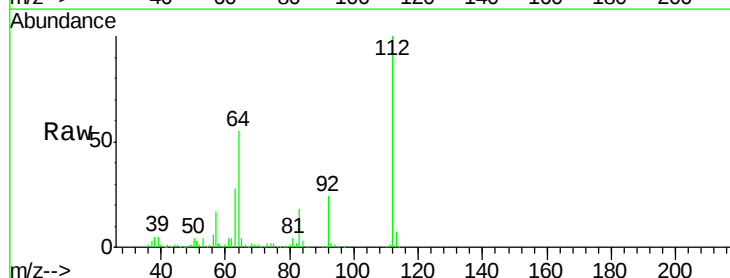
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



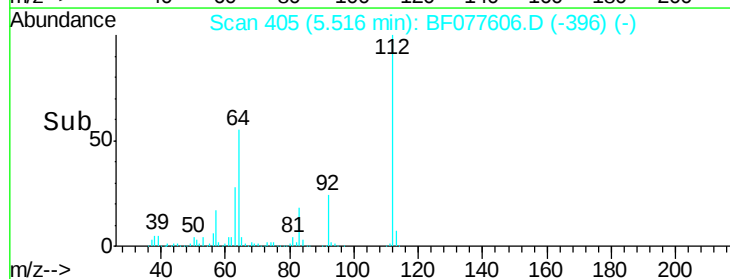
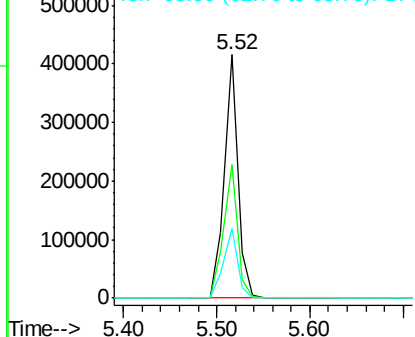
#5

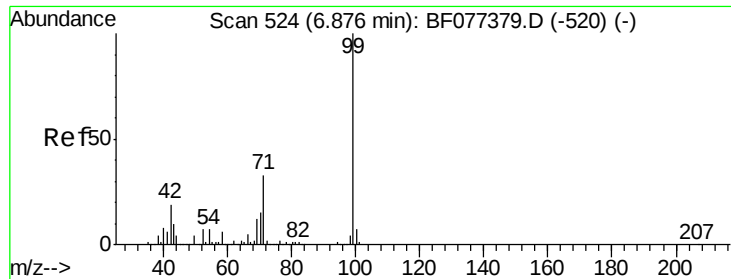
2-Fluorophenol
Concen: 102.36 ng
RT: 5.52 min Scan# 405
Delta R.T. 0.00 min
Lab File: BF077606.D
Acq: 5 Mar 2015 5:27

Tgt Ion:112 Resp: 421941
Ion Ratio Lower Upper
112 100
64 54.8 48.5 72.7
63 28.4 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: 95.14 ng

RT: 6.79 min Scan# 516

Delta R.T. 0.00 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

Instrument :

BNA_F

ClientSampleId :

SB16

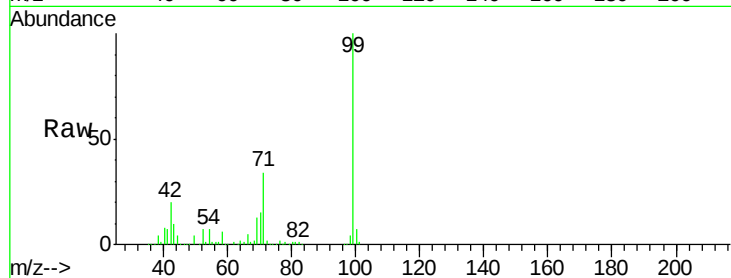
Tgt Ion: 99 Resp: 504210

Ion Ratio Lower Upper

99 100

42 19.9 16.2 24.4

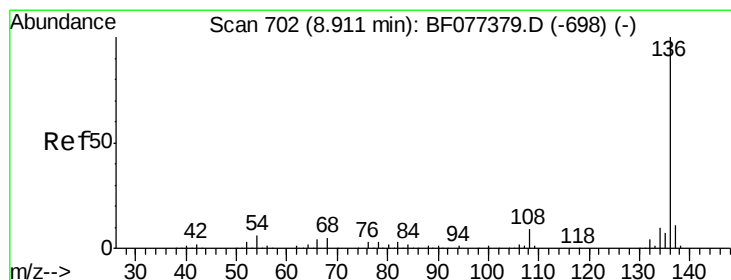
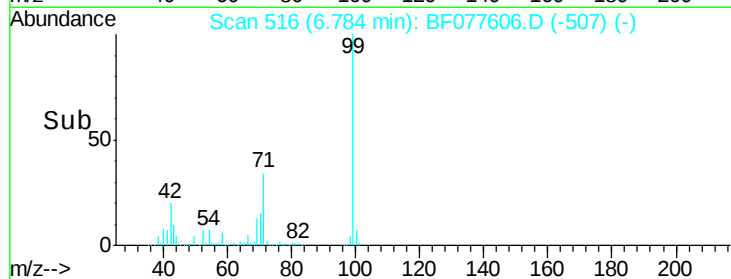
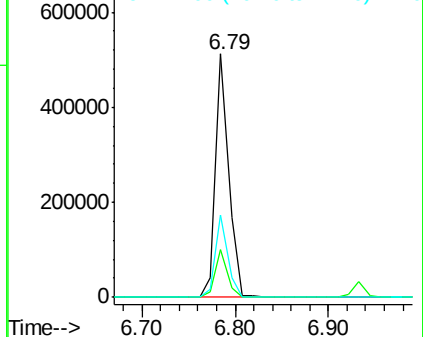
71 33.7 26.7 40.1



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: 8.80 min Scan# 692

Delta R.T. -0.00 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

Tgt Ion: 136 Resp: 283835

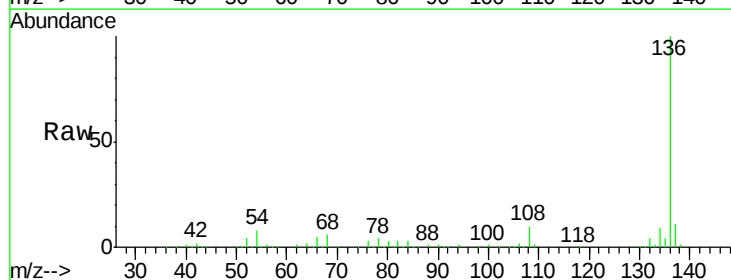
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 7.9 6.2 9.4

68 6.1 5.0 7.6

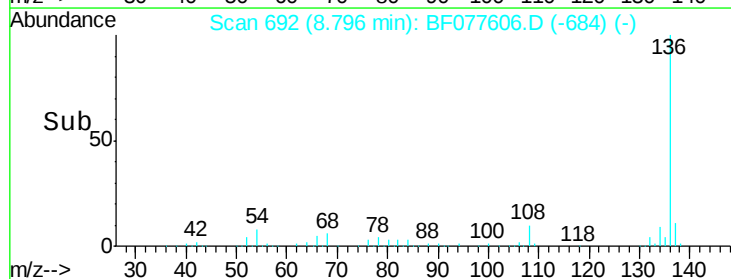
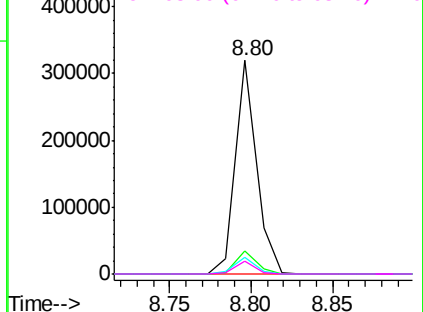


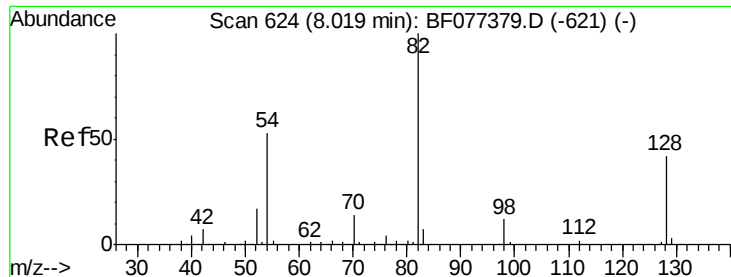
Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.33 ng

RT: 7.91 min Scan# 615

Delta R.T. -0.00 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

Instrument :

BNA_F

ClientSampled :

SB16

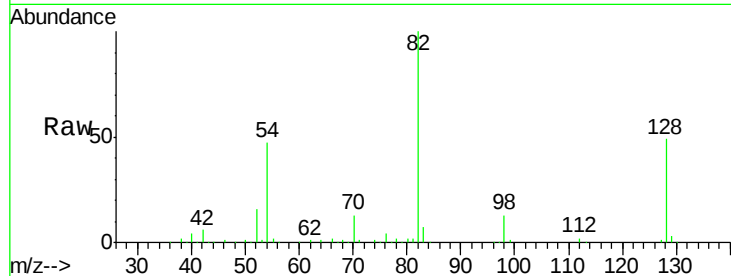
Tgt Ion: 82 Resp: 325588

Ion Ratio Lower Upper

82 100

128 49.1 43.8 65.8

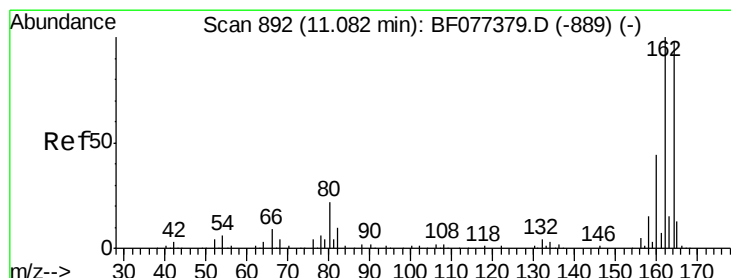
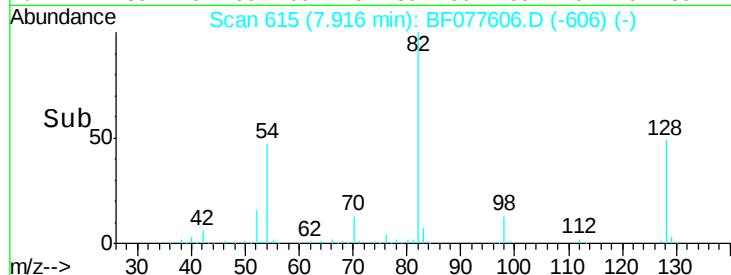
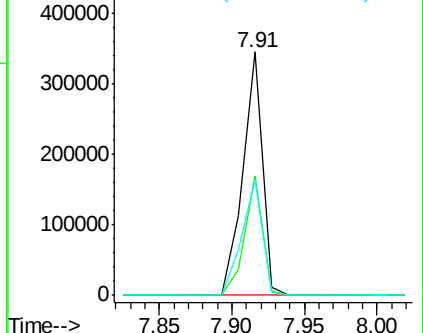
54 47.3 36.7 55.1



Abundance Ion 82.00 (81.70 to 82.70): BF077379.D (-621) (-)

Ion 128.00 (127.70 to 128.70): BF077379.D (-621) (-)

Ion 54.00 (53.70 to 54.70): BF077379.D (-621) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.97 min Scan# 882

Delta R.T. -0.00 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

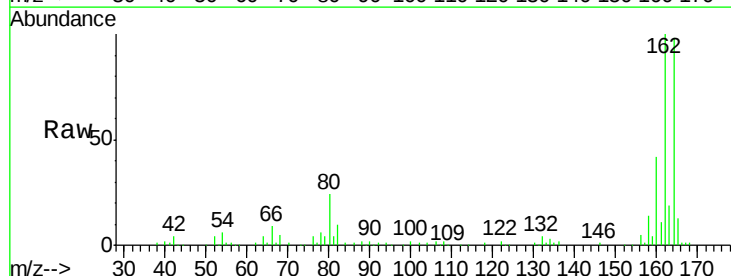
Tgt Ion: 164 Resp: 137665

Ion Ratio Lower Upper

164 100

162 102.5 83.2 124.8

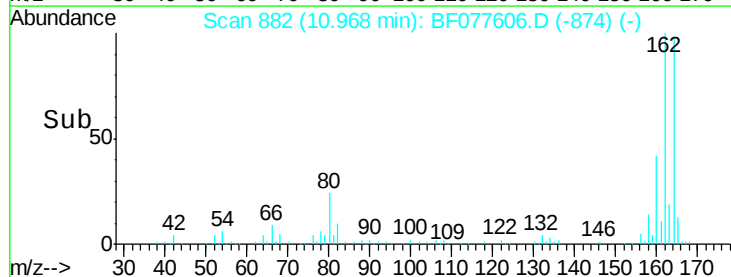
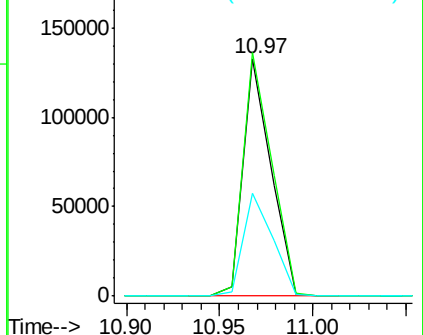
160 43.3 34.6 52.0

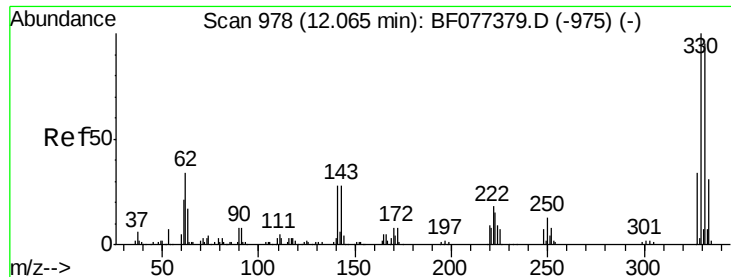


Abundance Ion 164.00 (163.70 to 164.70): BF077379.D (-889) (-)

Ion 162.00 (161.70 to 162.70): BF077379.D (-889) (-)

Ion 160.00 (159.70 to 160.70): BF077379.D (-889) (-)

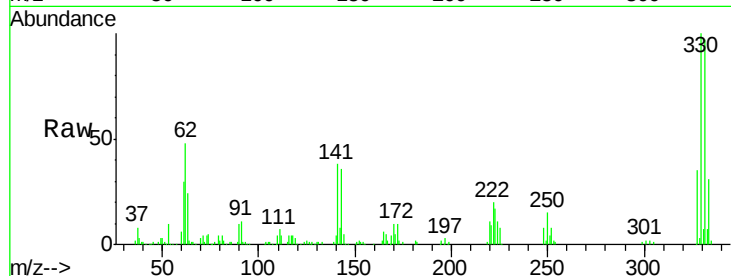




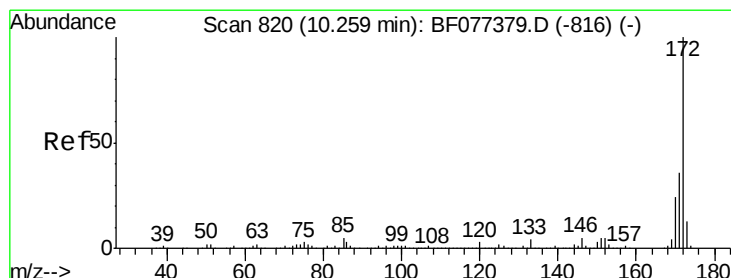
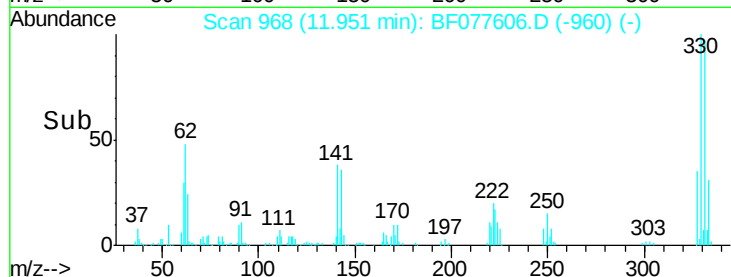
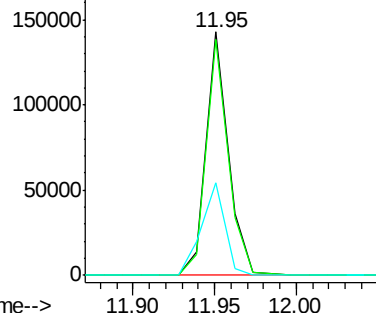
#41
 2,4,6-Tribromophenol
 Concen: 101.66 ng
 RT: 11.95 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF077606.D
 Acq: 5 Mar 2015 5:27

Instrument :
 BNA_F
 ClientSampleId :
 SB16

Tgt Ion:330 Resp: 134756
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 40.3 28.8 43.2

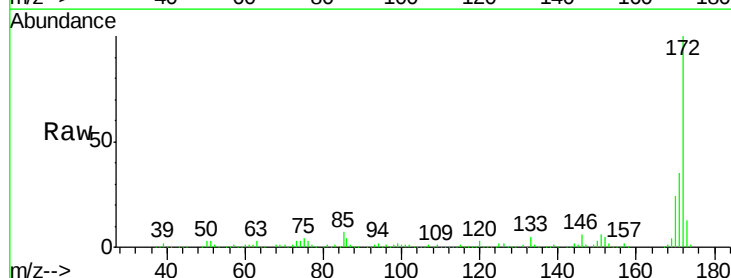


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

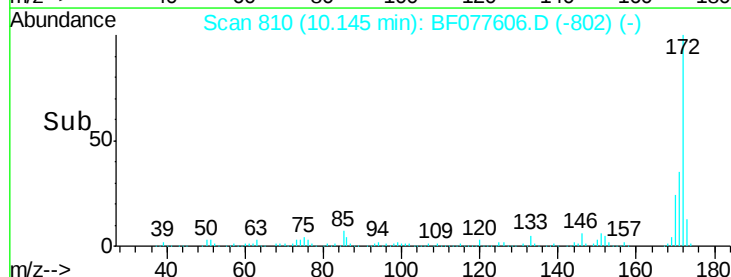
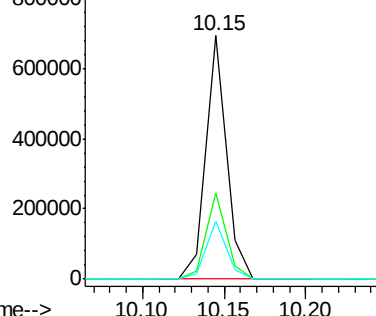


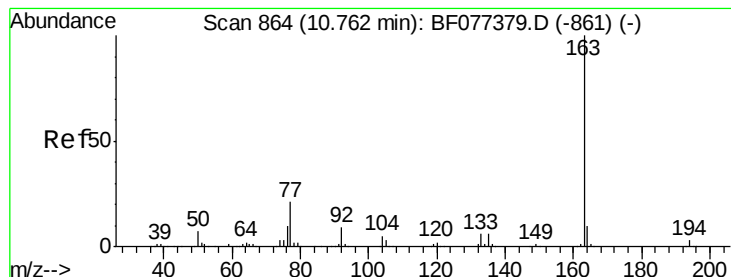
#44
 2-Fluorobiphenyl
 Concen: 68.24 ng
 RT: 10.15 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF077606.D
 Acq: 5 Mar 2015 5:27

Tgt Ion:172 Resp: 602473
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.9 43.3
 170 23.7 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





#49

Dimethylphthalate

Concen: 4.94 ng

RT: 10.65 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

Instrument :

BNA_F

ClientSampleId :

SB16

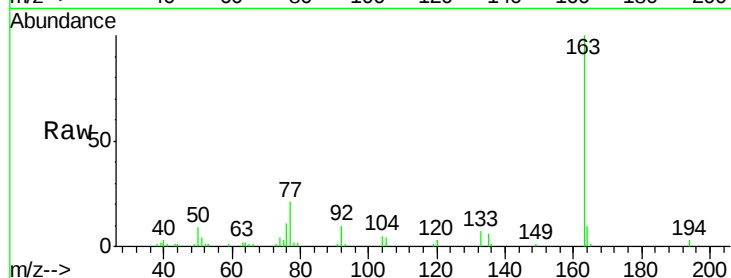
Tgt Ion:163 Resp: 47799

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

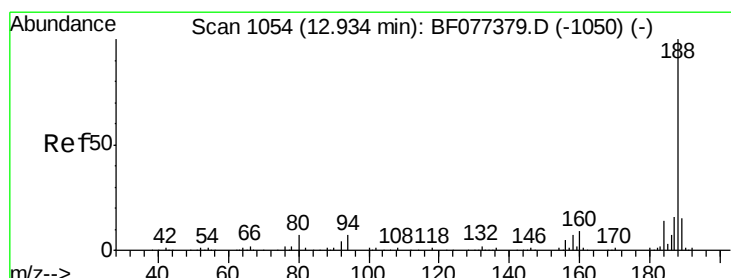
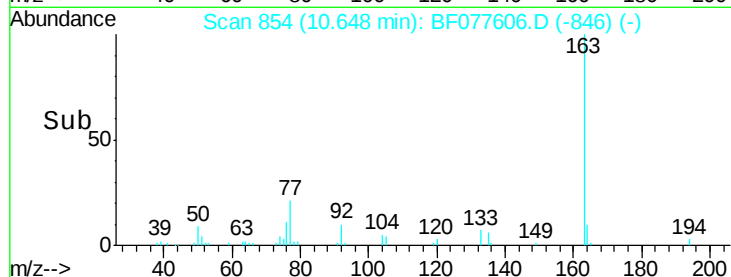
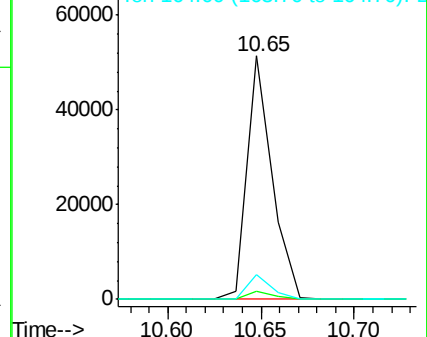
164 9.9 8.6 13.0



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: 12.81 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

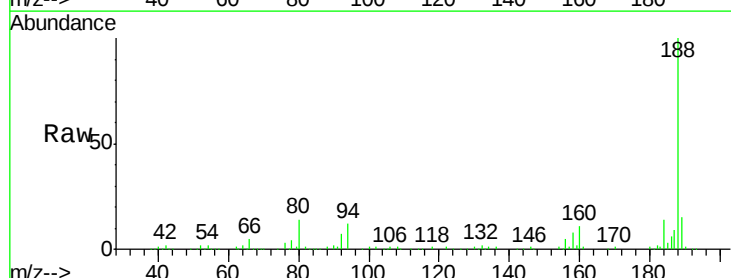
Tgt Ion:188 Resp: 264549

Ion Ratio Lower Upper

188 100

94 12.2 7.4 11.2#

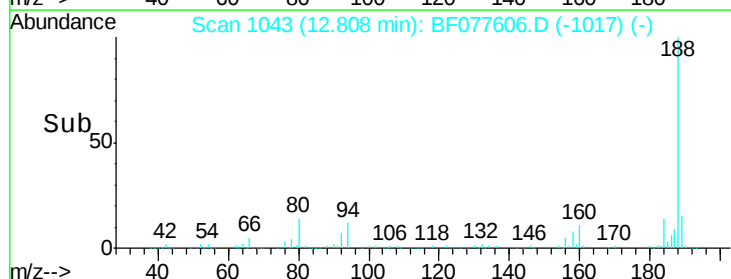
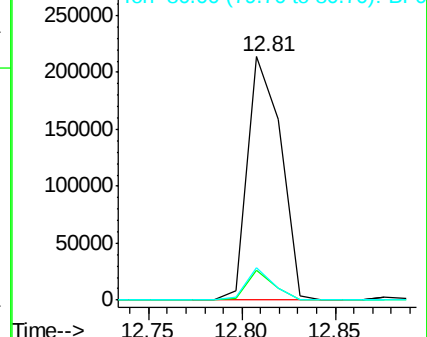
80 13.5 8.0 12.0#

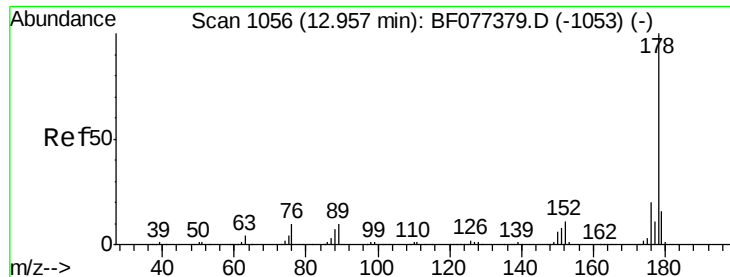


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

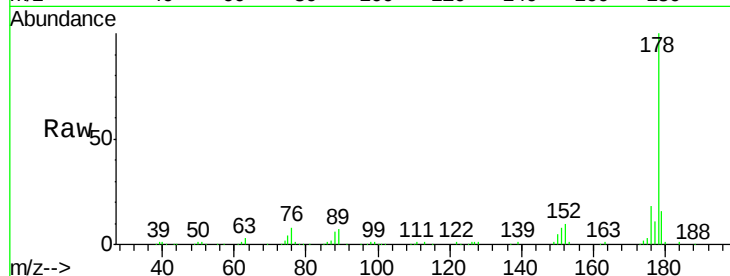




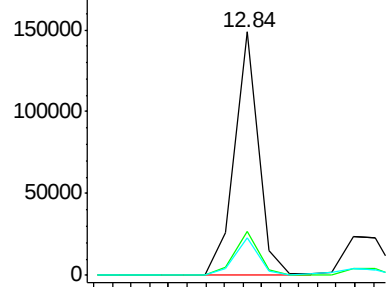
#70
Phenanthrene
Concen: 8.59 ng
RT: 12.84 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF077606.D
Acq: 5 Mar 2015 5:27

Instrument :
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ClientSampleId :
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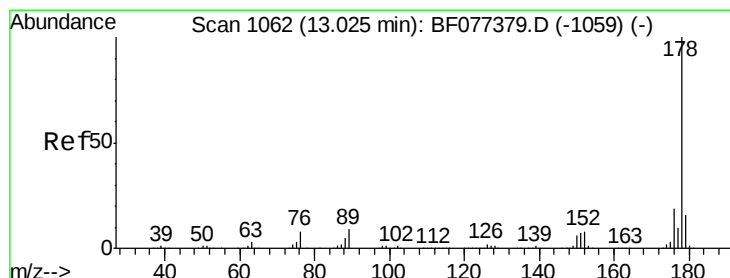
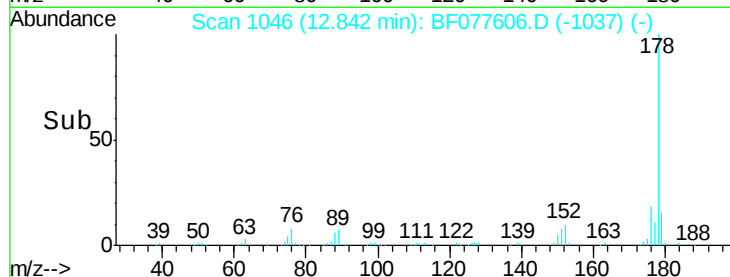
Tgt Ion:178 Resp: 131674
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.6 12.2 18.2



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

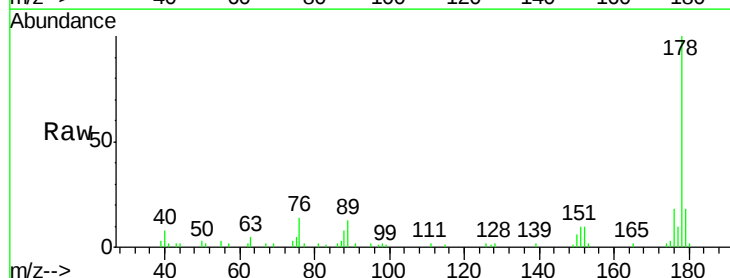


Time-->

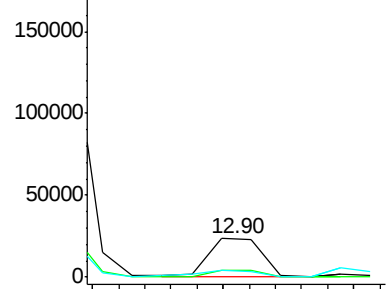


#71
Anthracene
Concen: 2.15 ng
RT: 12.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: BF077606.D
Acq: 5 Mar 2015 5:27

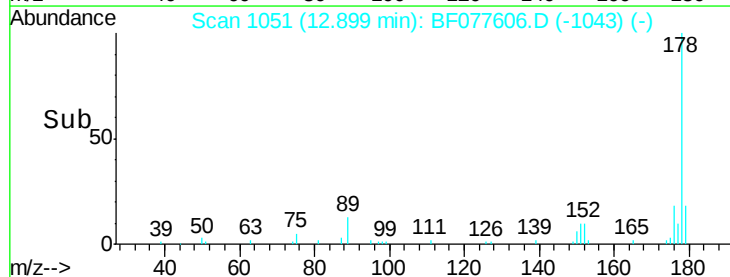
Tgt Ion:178 Resp: 32693
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 18.5 12.9 19.3

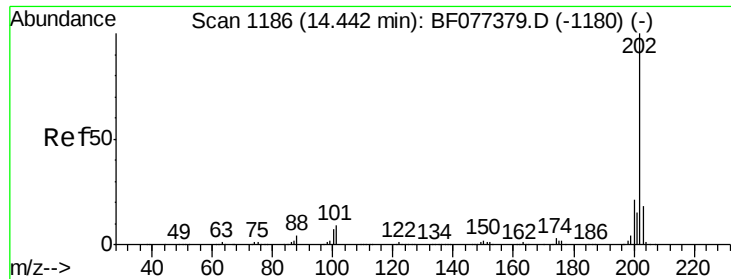


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 13.02 ng

RT: 14.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

Instrument :

BNA_F

ClientSampleId :

SB16

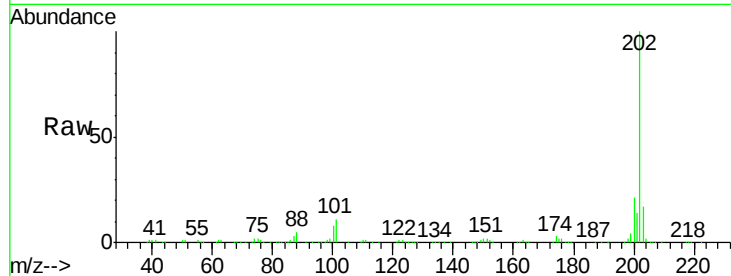
Tgt Ion:202 Resp: 218002

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.8

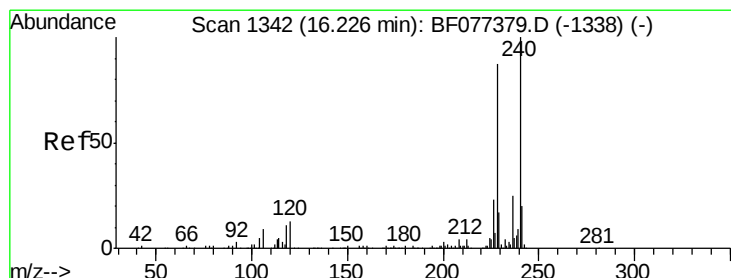
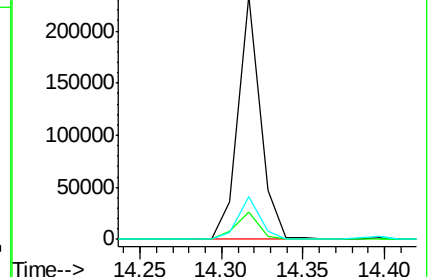
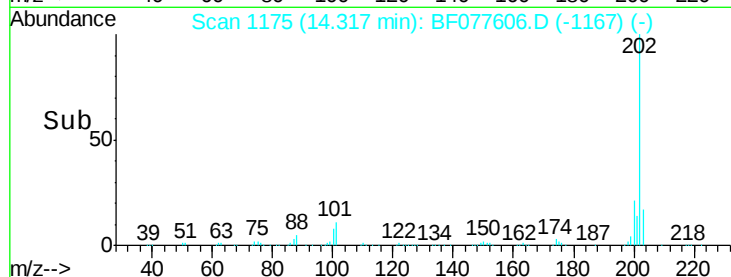
203 17.5 0.0 37.7



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: 16.10 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

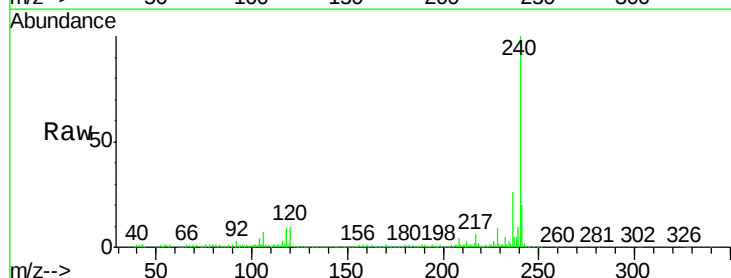
Tgt Ion:240 Resp: 296419

Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

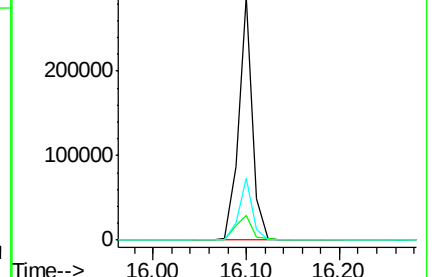
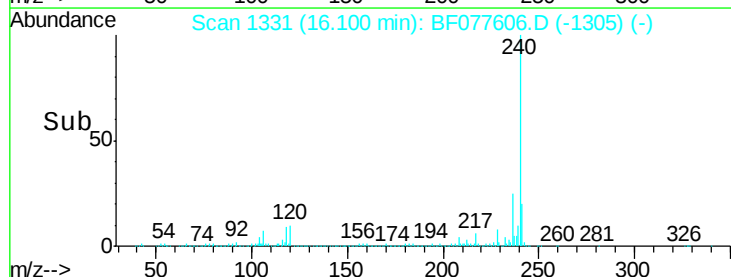
236 25.6 20.7 31.1

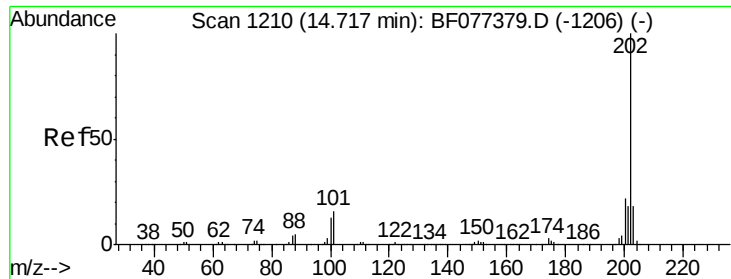


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 11.76 ng

RT: 14.60 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

Instrument :

BNA_F

ClientSampleId :

SB16

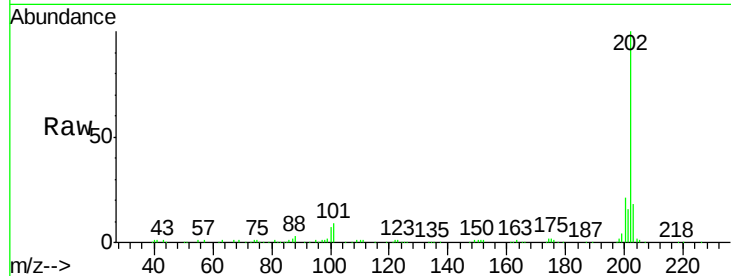
Tgt Ion: 202 Resp: 213271

Ion Ratio Lower Upper

202 100

200 20.6 17.1 25.7

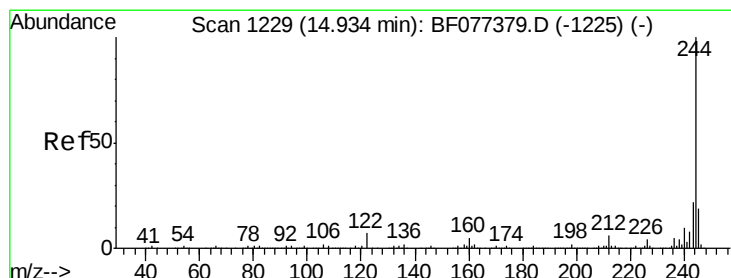
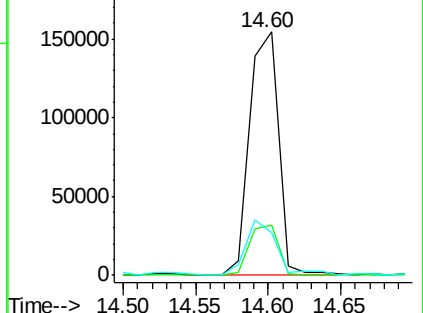
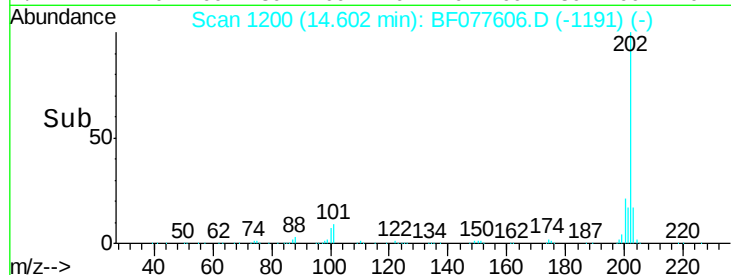
203 17.6 14.2 21.2



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: 50.10 ng

RT: 14.81 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

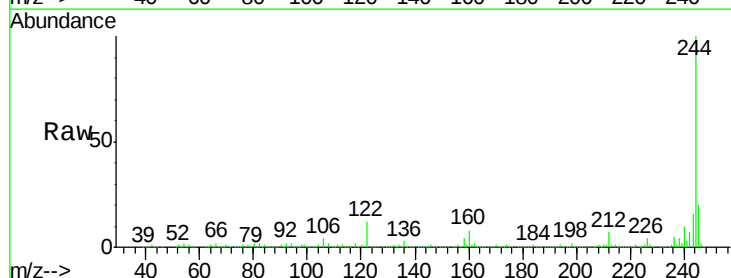
Tgt Ion: 244 Resp: 635205

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

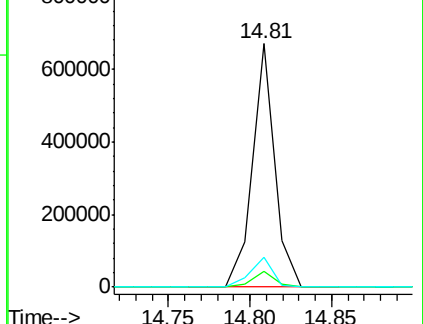
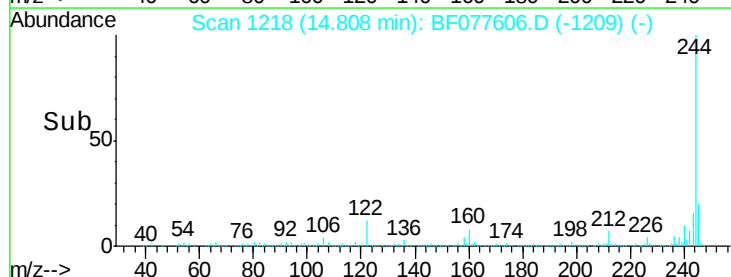
122 12.3 7.8 11.8#

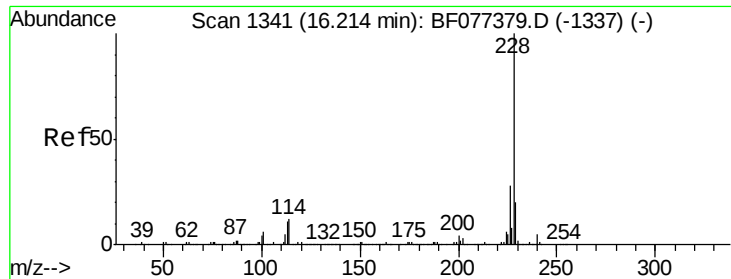


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.35 ng

RT: 16.09 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

Instrument :

BNA_F

ClientSampleId :

SB16

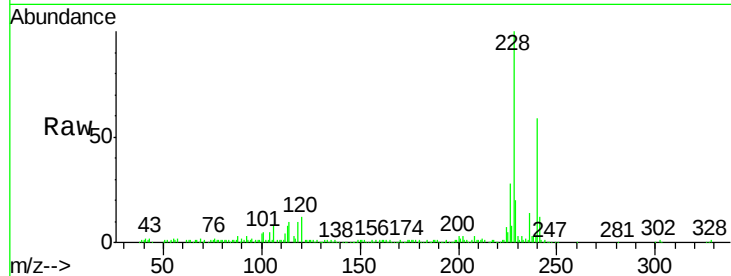
Tgt Ion:228 Resp: 179738

Ion Ratio Lower Upper

228 100

226 27.9 22.0 33.0

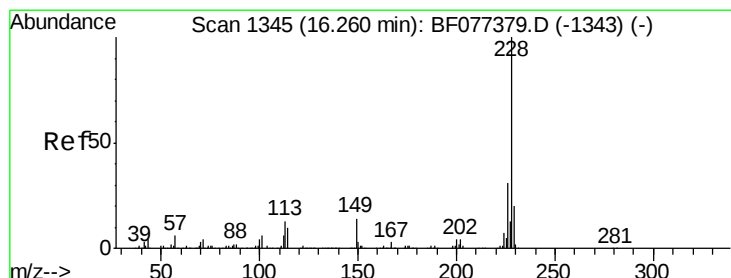
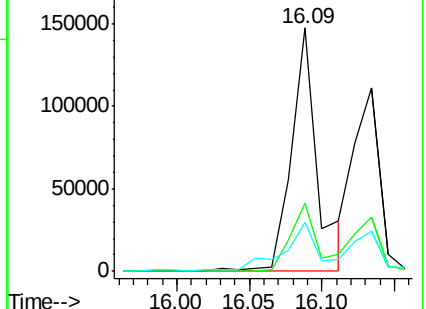
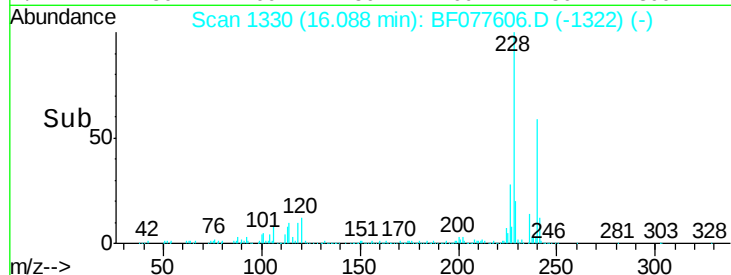
229 20.0 15.8 23.8



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: 8.37 ng

RT: 16.13 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

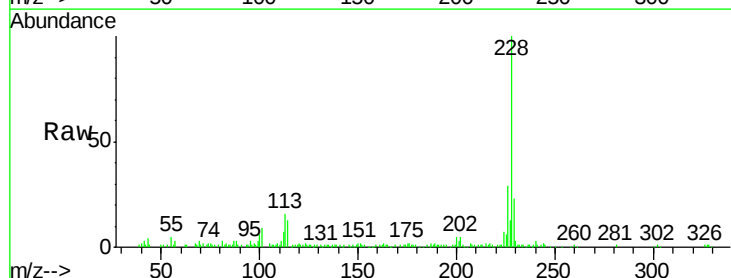
Tgt Ion:228 Resp: 136510

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

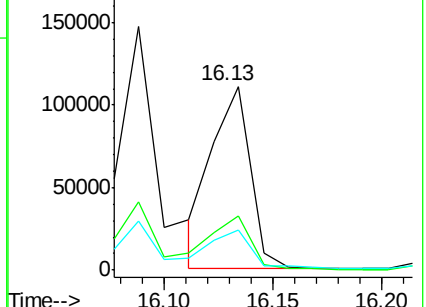
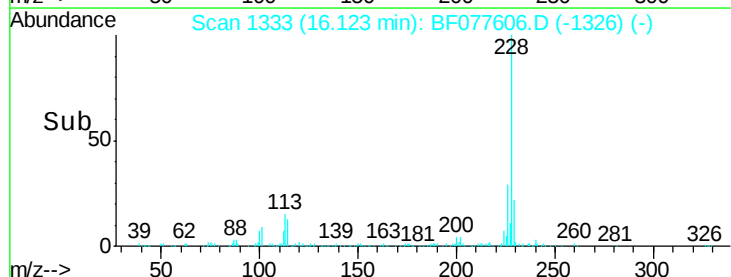
229 23.3 16.4 24.6

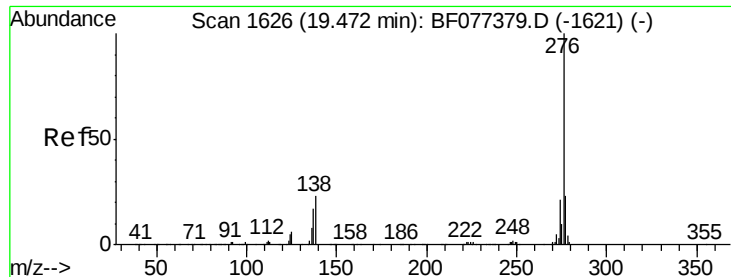


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

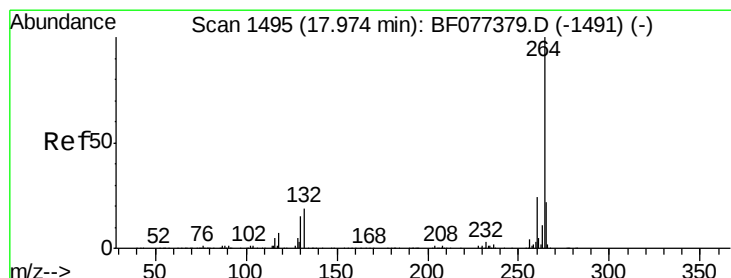
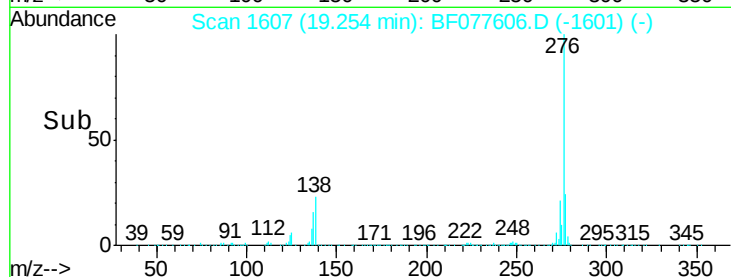
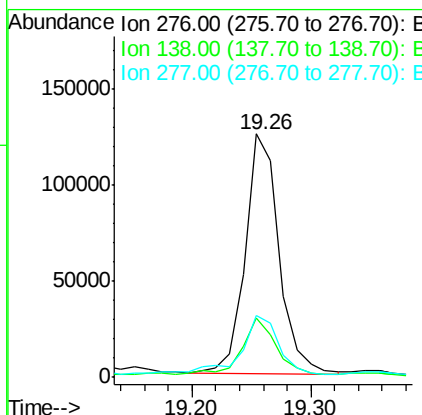
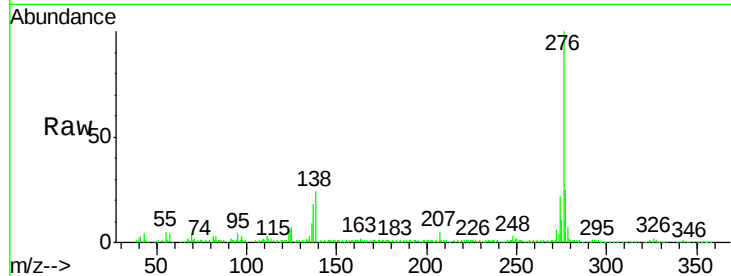




#85
Indeno(1,2,3-cd)pyrene
Concen: 13.31 ng
RT: 19.26 min Scan# 1607
Delta R.T. -0.03 min
Lab File: BF077606.D
Acq: 5 Mar 2015 5:27

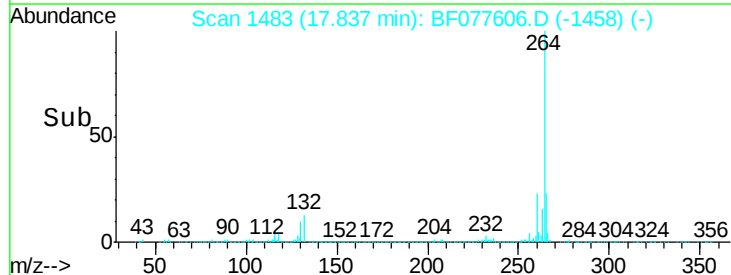
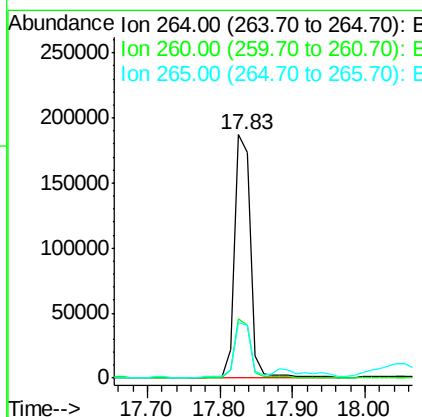
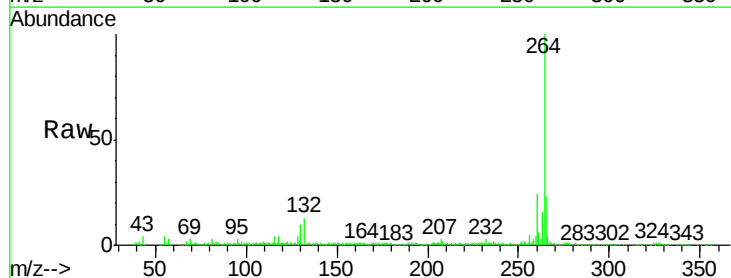
Instrument :
BNA_F
ClientSampleId :
SB16

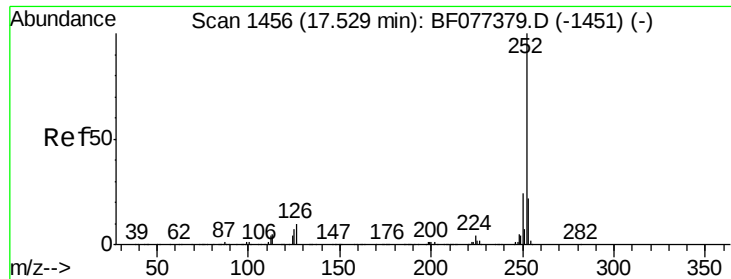
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	21.2	31.8
277	26.7	20.0	30.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.83 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BF077606.D
Acq: 5 Mar 2015 5:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	23.1	16.8	25.2

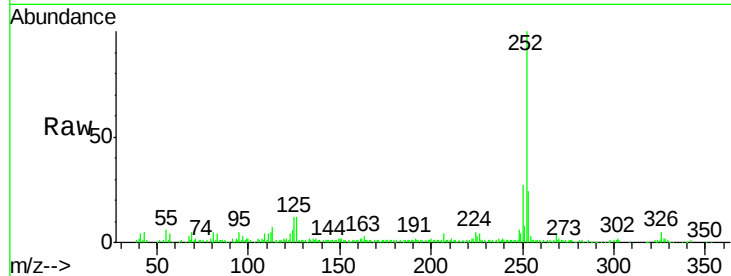




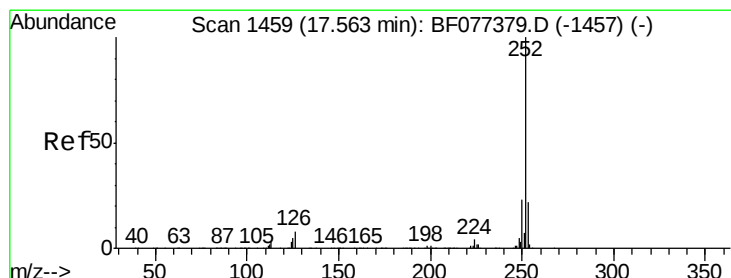
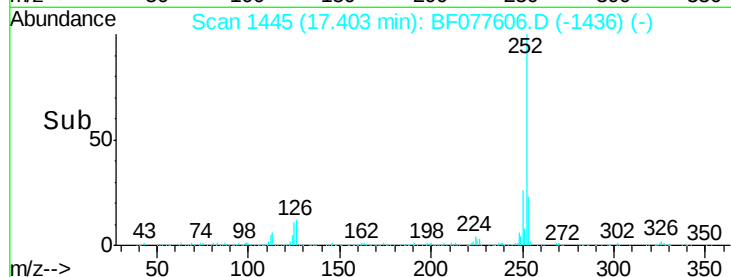
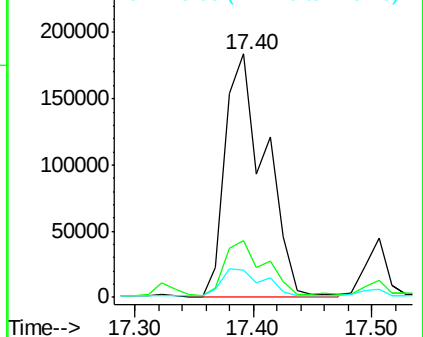
#87
Benzo(b)fluoranthene
Concen: 26.03 ng
RT: 17.40 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BF077606.D
Acq: 5 Mar 2015 5:27

Instrument :
BNA_F
ClientSampleId :
SB16

Tgt Ion:252 Resp: 428034
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 12.0 5.4 8.2#

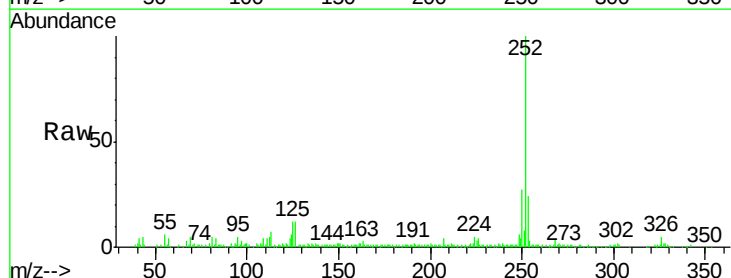


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

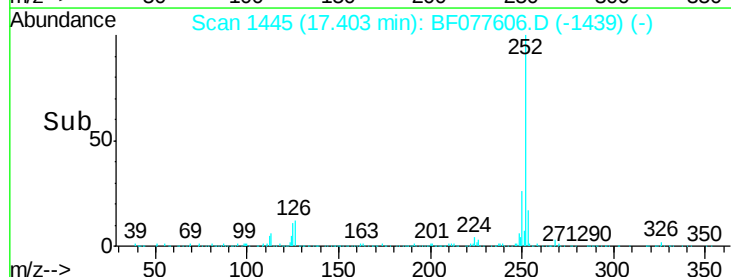
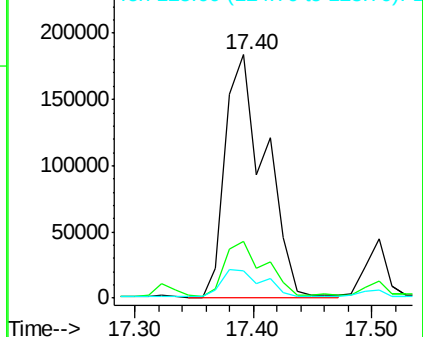


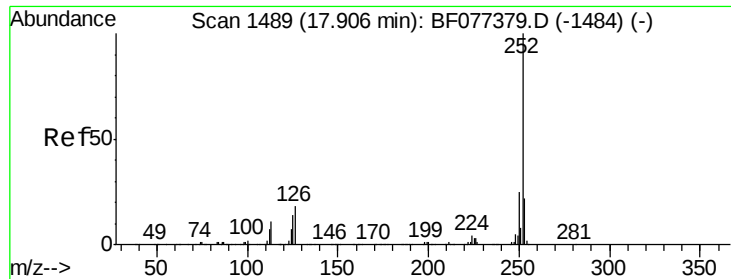
#88
Benzo(k)fluoranthene
Concen: 26.56 ng
RT: 17.40 min Scan# 1445
Delta R.T. -0.04 min
Lab File: BF077606.D
Acq: 5 Mar 2015 5:27

Tgt Ion:252 Resp: 428034
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 12.0 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: 16.56 ng

RT: 17.77 min Scan# 1477

Delta R.T. -0.02 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

Instrument :

BNA_F

ClientSampleId :

SB16

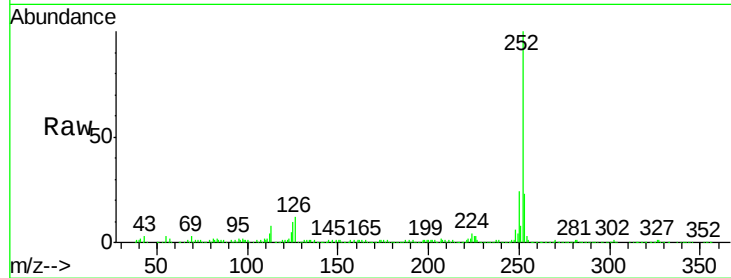
Tgt Ion:252 Resp: 259426

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

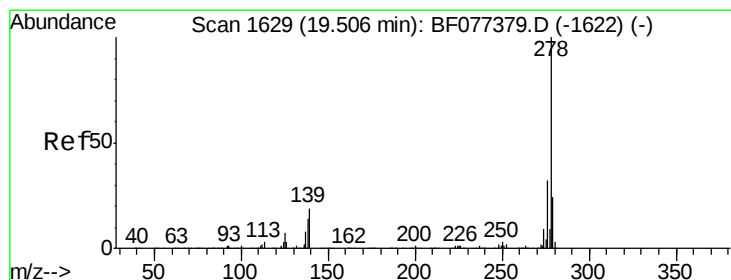
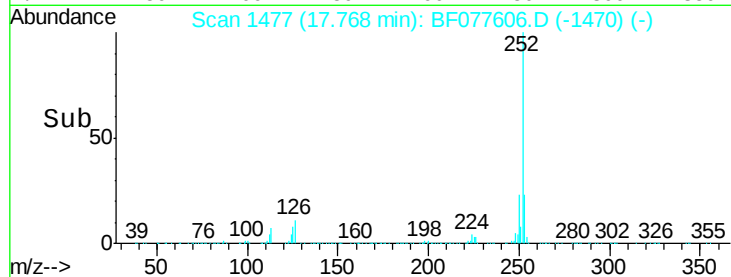
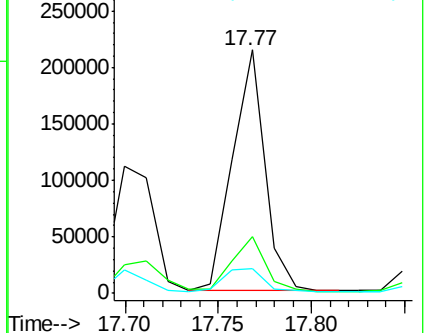
125 9.9 8.3 12.5



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: 3.43 ng

RT: 19.28 min Scan# 1609

Delta R.T. -0.03 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

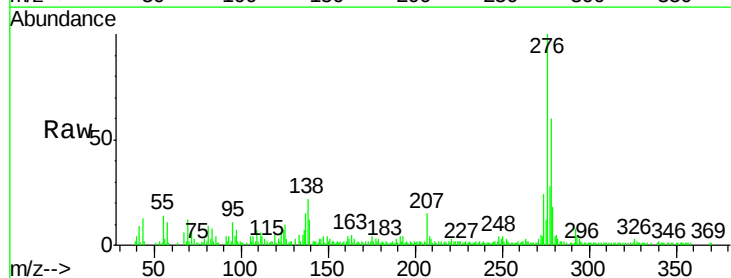
Tgt Ion:278 Resp: 51276

Ion Ratio Lower Upper

278 100

139 20.2 14.3 21.5

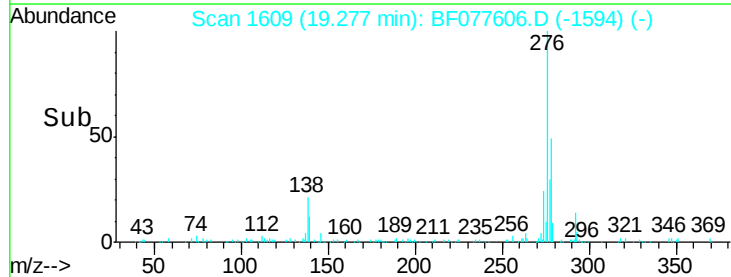
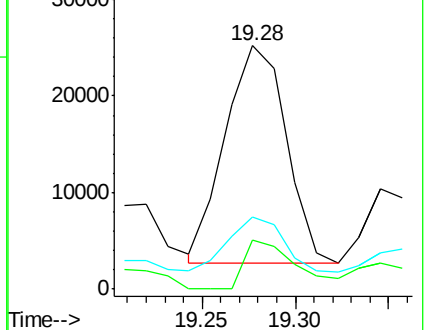
279 29.8 19.0 28.6#

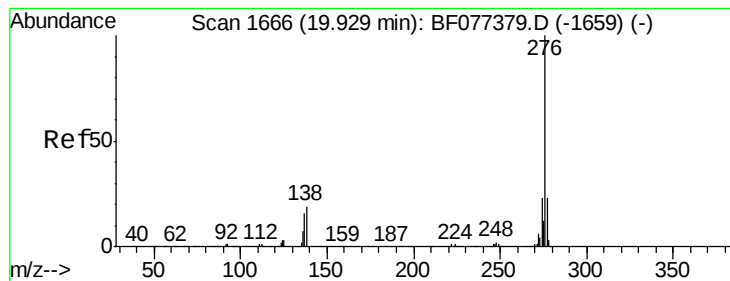


Abundance Ion 278.00 (277.70 to 278.70): E

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: 19.55 ng

RT: 19.68 min Scan# 1645

Delta R.T. -0.02 min

Lab File: BF077606.D

Acq: 5 Mar 2015 5:27

Instrument :

BNA_F

ClientSampleId :

SB16

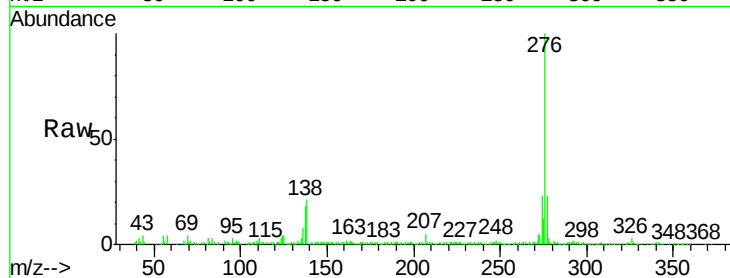
Tgt Ion: 276 Resp: 294774

Ion Ratio Lower Upper

276 100

277 23.2 18.9 28.3

138 20.6 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

