

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
 Data File : BF077607.D
 Acq On : 5 Mar 2015 5:56
 Operator : TP/IZ
 Sample : G1424-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB17

Quant Time: Mar 05 06:44:36 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 13:27:09 2015
 Response via : Initial Calibration

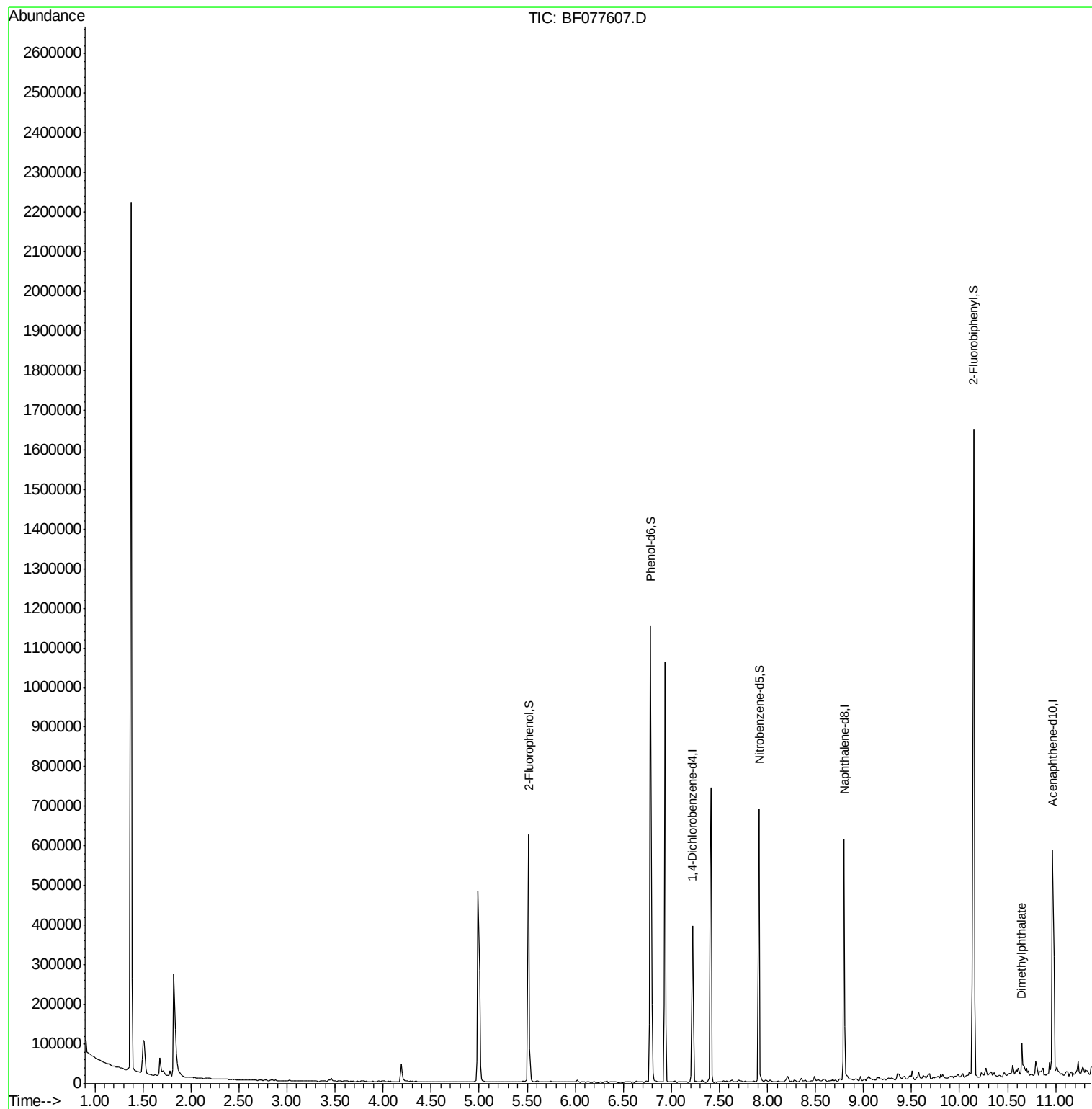
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	65614	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	265801	20.00	ng	0.00
38) Acenaphthene-d10	10.97	164	128304	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	247414	20.00	ng	0.00
75) Chrysene-d12	16.10	240	286178	20.00	ng	-0.01
86) Perylene-d12	17.82	264	257721	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	207990	52.92	ng	0.00
7) Phenol-d6	6.79	99	381071	75.41	ng	0.00
23) Nitrobenzene-d5	7.91	82	241400	56.48	ng	0.00
41) 2,4,6-Tribromophenol	11.95	330	13165	10.66	ng	0.00
44) 2-Fluorobiphenyl	10.15	172	495544	60.22	ng	0.00
78) Terphenyl-d14	14.81	244	555962	45.42	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.65	163	33100	3.67	ng	100
70) Phenanthrene	12.84	178	59268	4.13	ng	99
74) Fluoranthene	14.32	202	212022	13.54	ng	98
77) Pyrene	14.60	202	204646	11.69	ng	99
80) Benzo(a)anthracene	16.09	228	101322	6.04	ng	95
82) Chrysene	16.13	228	82372	5.23	ng	97
85) Indeno(1,2,3-cd)pyrene	19.25	276	57736	3.22	ng	99
87) Benzo(b)fluoranthene	17.39	252	163840	10.93	ng	# 84
88) Benzo(k)fluoranthene	17.39	252	162004	11.03	ng	# 88
89) Benzo(a)pyrene	17.75	252	85369	5.98	ng	# 92
91) Benzo(g,h,i)perylene	19.67	276	58696	4.27	ng	97

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

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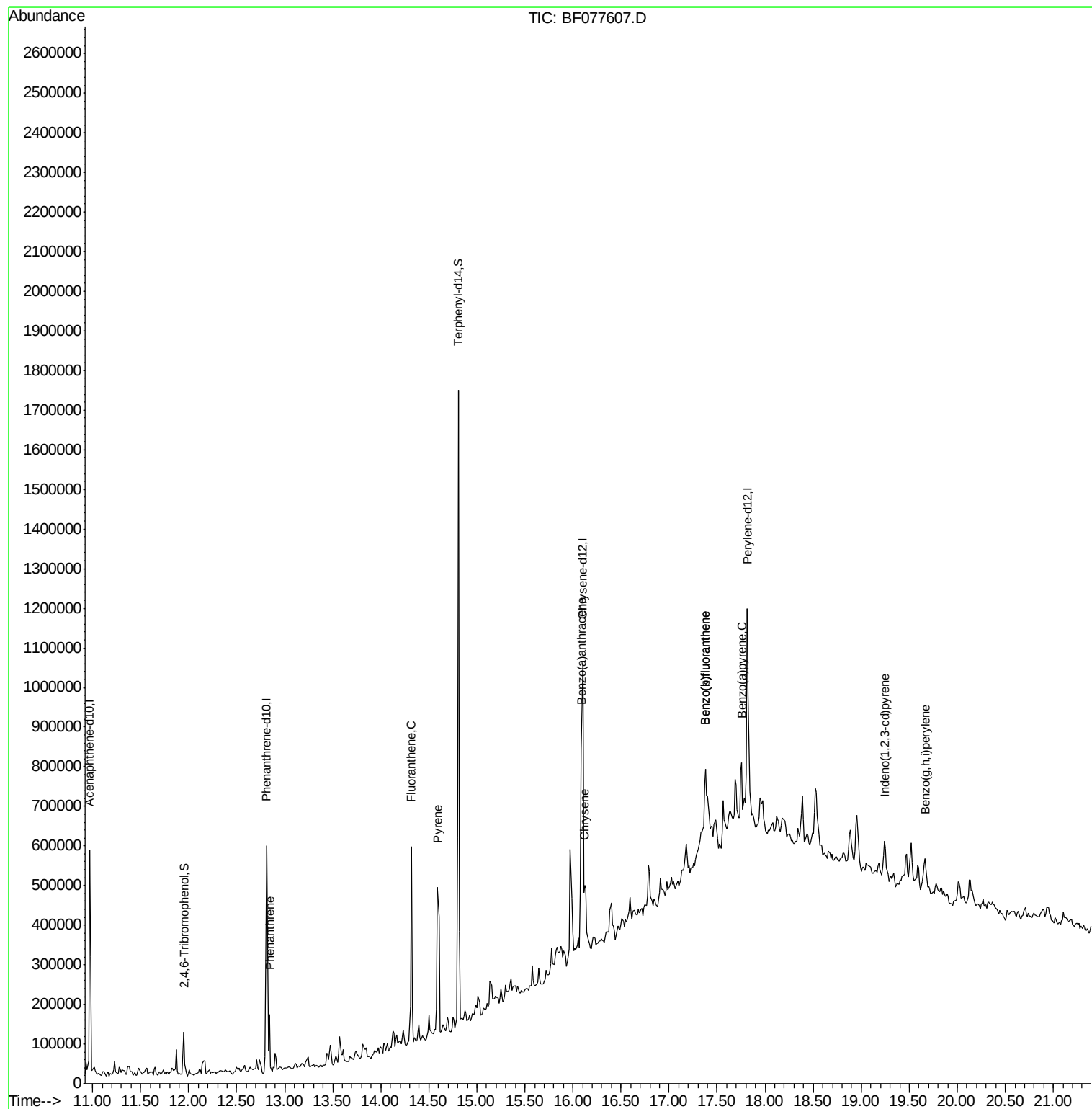
Quant Time: Mar 05 06:44:36 2015
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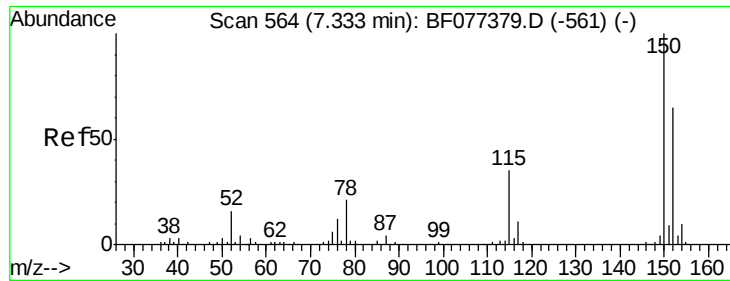


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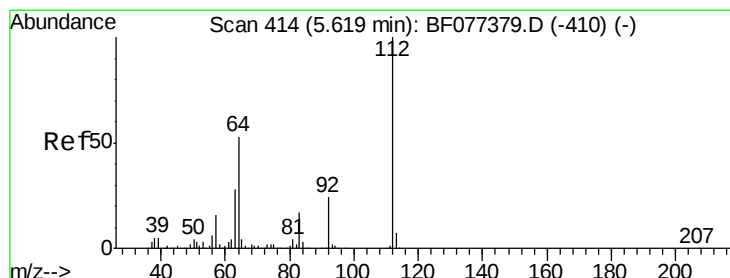
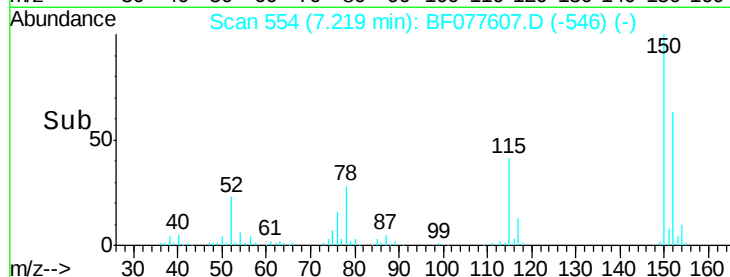
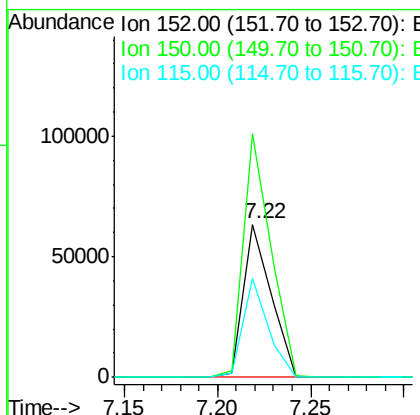
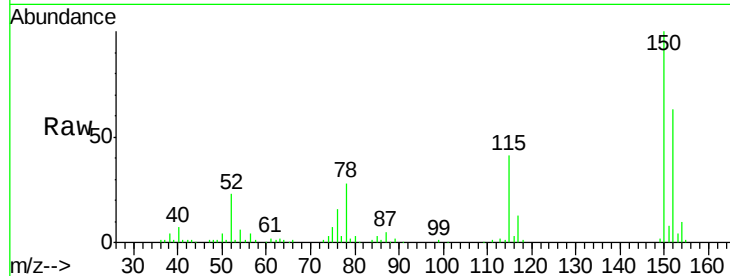




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.22 min Scan# 554
 Delta R.T. -0.00 min
 Lab File: BF077607.D
 Acq: 5 Mar 2015 5:56

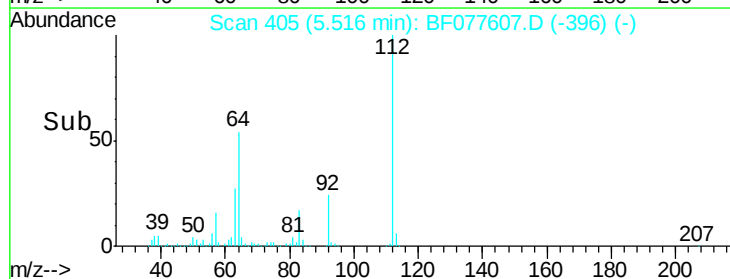
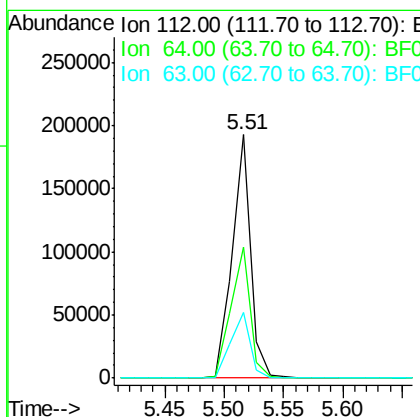
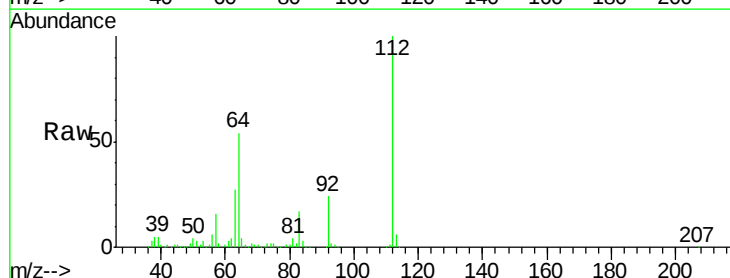
Instrument :
 BNA_F
 ClientSampleId :
 SB17

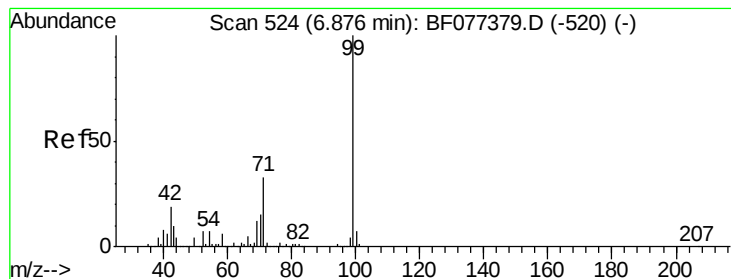
Tgt Ion:152 Resp: 65614
 Ion Ratio Lower Upper
 152 100
 150 158.9 124.0 186.0
 115 64.7 49.4 74.2



#5
 2-Fluorophenol
 Concen: 52.92 ng
 RT: 5.51 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: BF077607.D
 Acq: 5 Mar 2015 5:56

Tgt Ion:112 Resp: 207990
 Ion Ratio Lower Upper
 112 100
 64 53.9 48.5 72.7
 63 26.7 25.0 37.4





#7

Phenol-d6

Concen: 75.41 ng

RT: 6.79 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF077607.D

Acq: 5 Mar 2015 5:56

Instrument :

BNA_F

ClientSampleId :

SB17

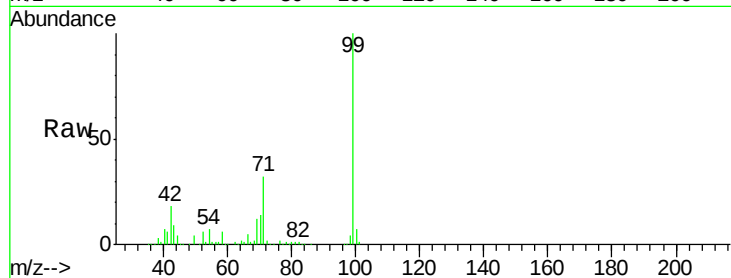
Tgt Ion: 99 Resp: 381071

Ion Ratio Lower Upper

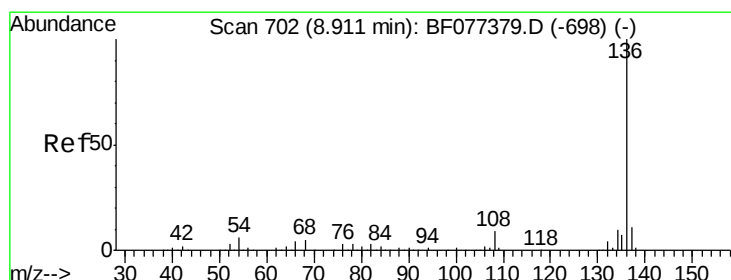
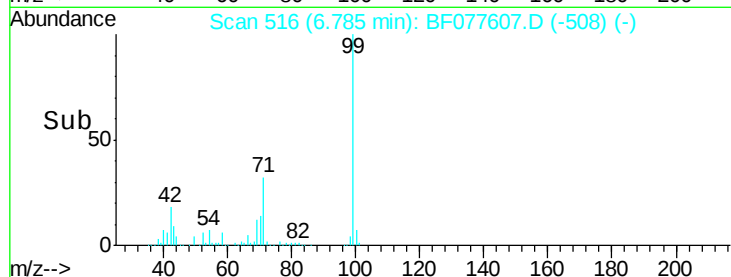
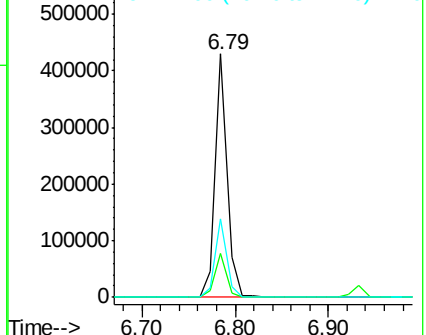
99 100

42 18.0 16.2 24.4

71 32.1 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: 8.80 min Scan# 692

Delta R.T. -0.00 min

Lab File: BF077607.D

Acq: 5 Mar 2015 5:56

Tgt Ion: 136 Resp: 265801

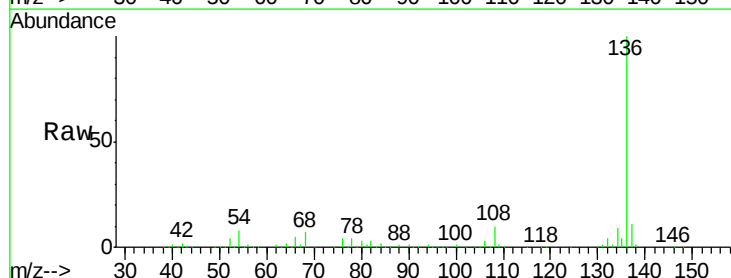
Ion Ratio Lower Upper

136 100

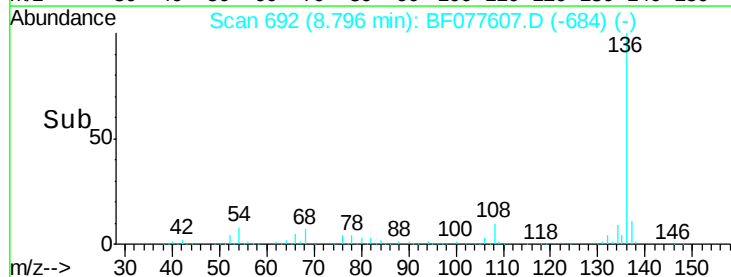
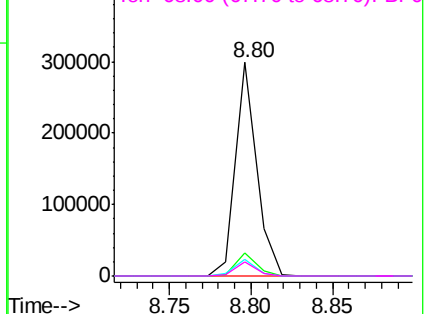
137 10.8 8.6 13.0

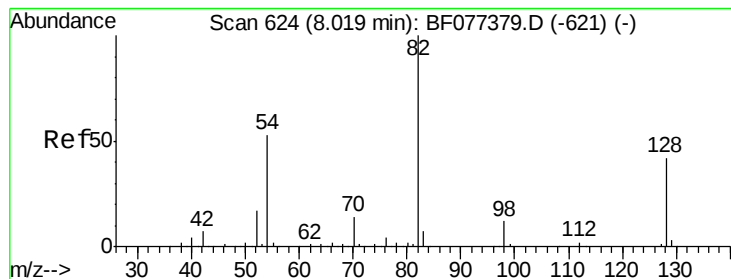
54 8.0 6.2 9.4

68 6.5 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: 56.48 ng

RT: 7.91 min Scan# 615

Delta R.T. -0.00 min

Lab File: BF077607.D

Acq: 5 Mar 2015 5:56

Instrument :

BNA_F

ClientSampleId :

SB17

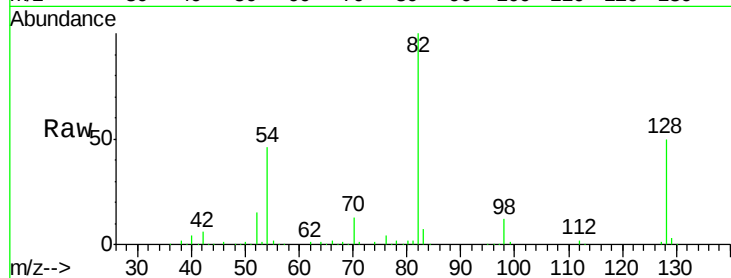
Tgt Ion: 82 Resp: 241400

Ion Ratio Lower Upper

82 100

128 50.2 43.8 65.8

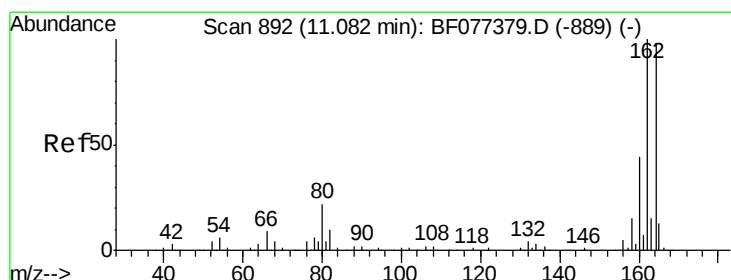
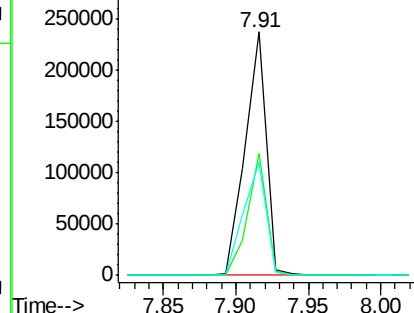
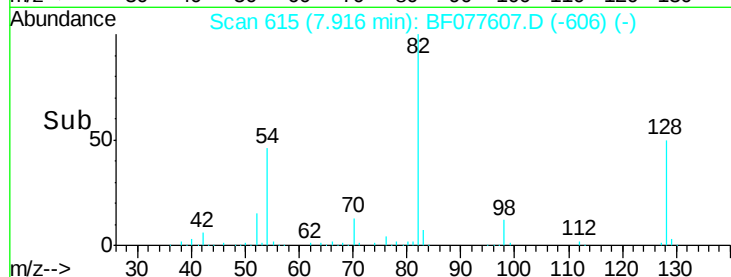
54 46.2 36.7 55.1



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: 10.97 min Scan# 882

Delta R.T. -0.00 min

Lab File: BF077607.D

Acq: 5 Mar 2015 5:56

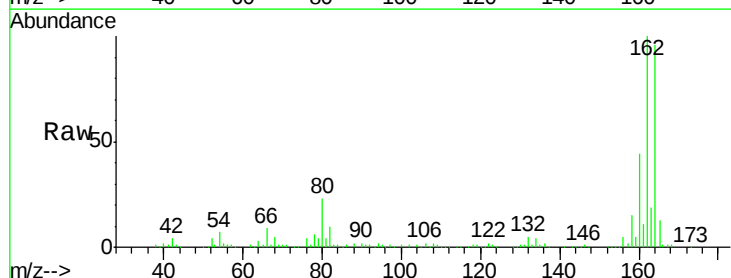
Tgt Ion: 164 Resp: 128304

Ion Ratio Lower Upper

164 100

162 104.2 83.2 124.8

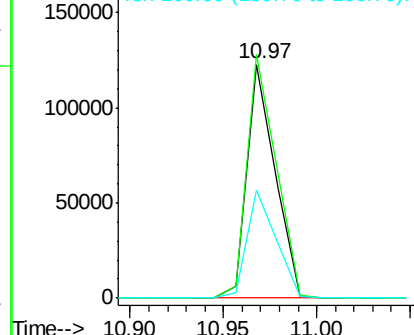
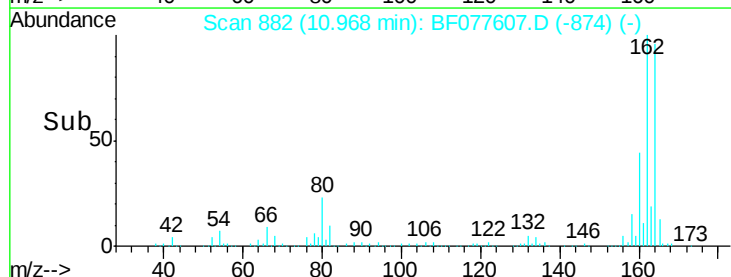
160 46.0 34.6 52.0



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

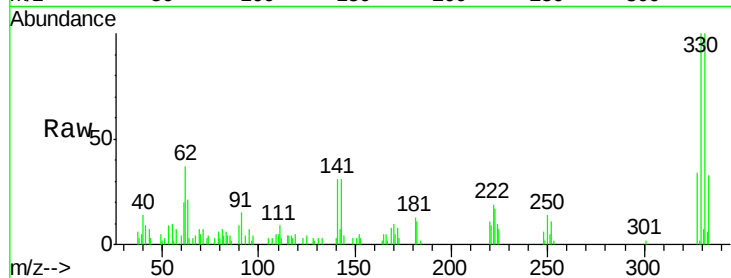




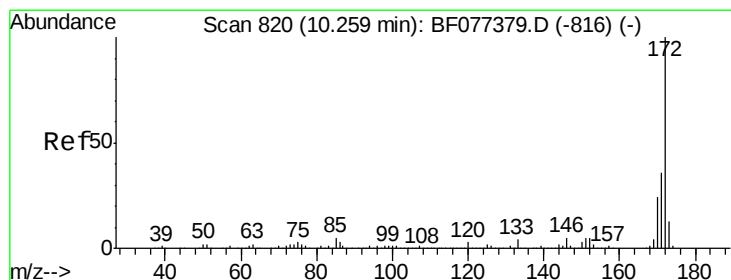
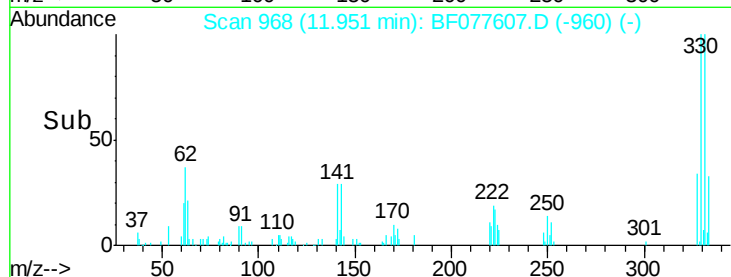
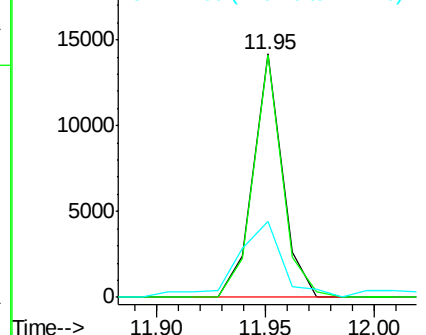
#41
 2,4,6-Tribromophenol
 Concen: 10.66 ng
 RT: 11.95 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF077607.D
 Acq: 5 Mar 2015 5:56

Instrument :
 BNA_F
 ClientSampleId :
 SB17

Tgt Ion:330 Resp: 13165
 Ion Ratio Lower Upper
 330 100
 332 99.3 77.4 116.2
 141 49.3 28.8 43.2#

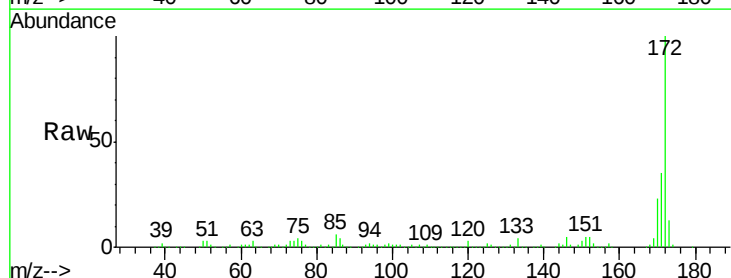


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

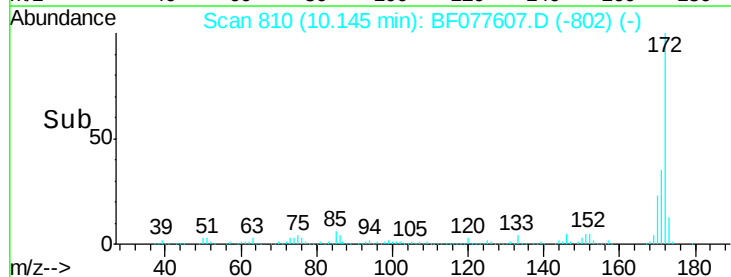
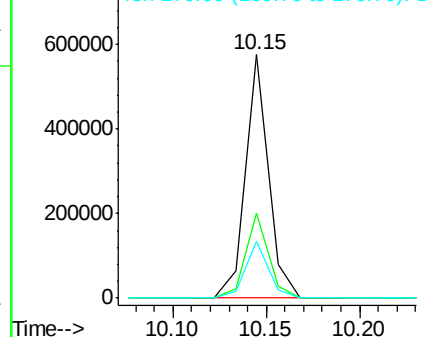


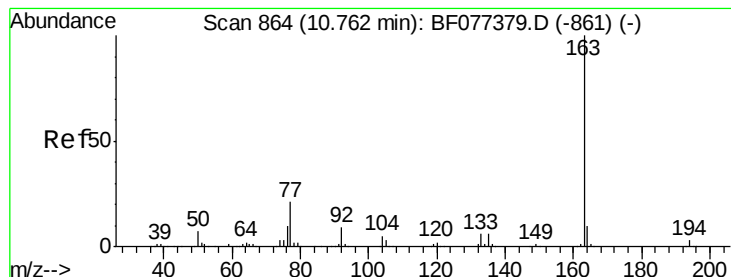
#44
 2-Fluorobiphenyl
 Concen: 60.22 ng
 RT: 10.15 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF077607.D
 Acq: 5 Mar 2015 5:56

Tgt Ion:172 Resp: 495544
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.9 43.3
 170 23.5 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: 3.67 ng

RT: 10.65 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF077607.D

Acq: 5 Mar 2015 5:56

Instrument :

BNA_F

ClientSampleId :

SB17

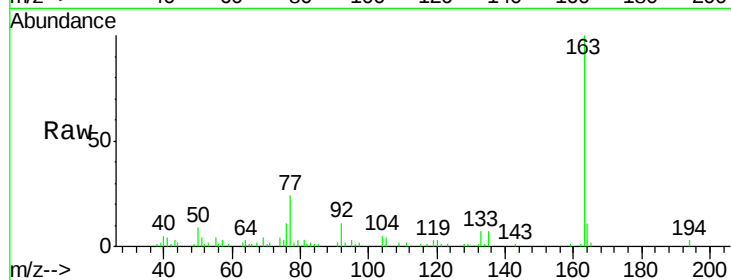
Tgt Ion:163 Resp: 33100

Ion Ratio Lower Upper

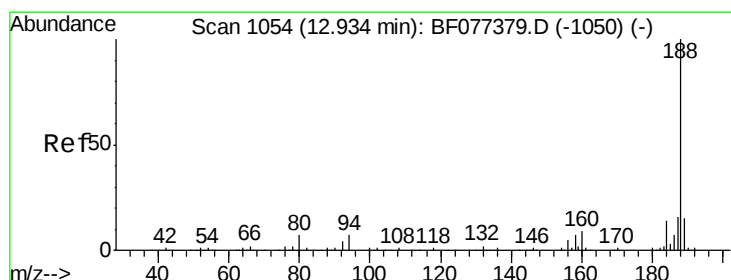
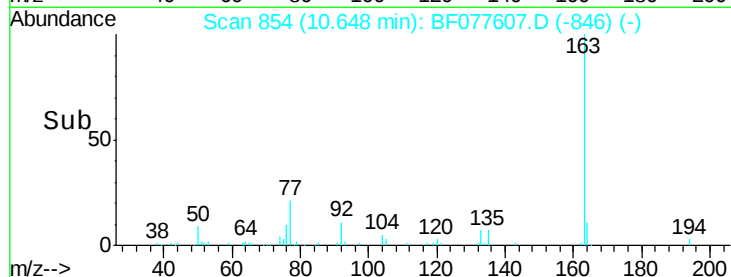
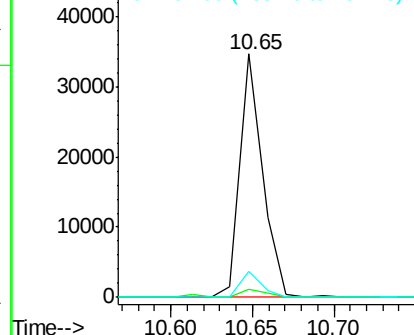
163 100

194 3.3 2.6 4.0

164 10.6 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: BF077607.D

Acq: 5 Mar 2015 5:56

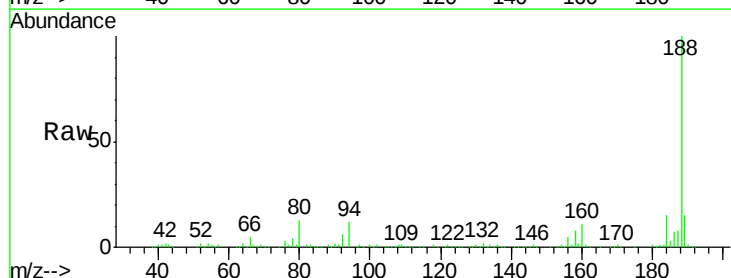
Tgt Ion:188 Resp: 247414

Ion Ratio Lower Upper

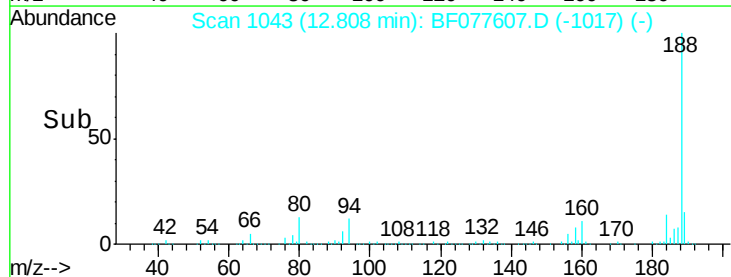
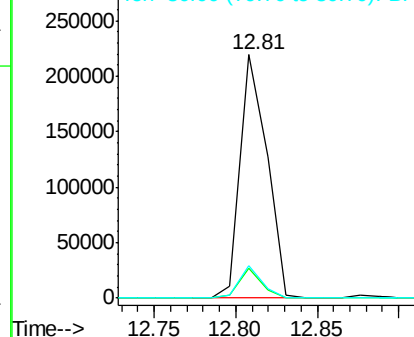
188 100

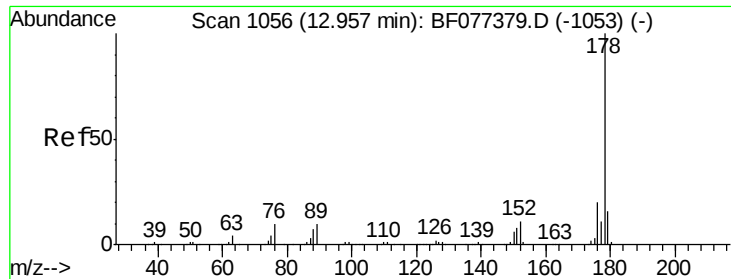
94 12.3 7.4 11.2#

80 13.1 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: 4.13 ng

RT: 12.84 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF077607.D

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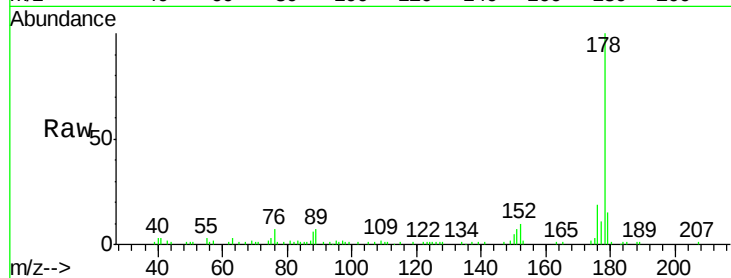
Tgt Ion:178 Resp: 59268

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

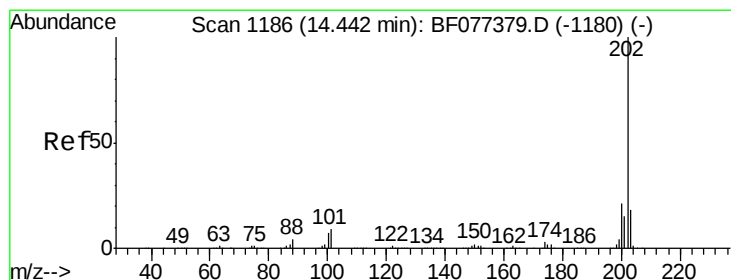
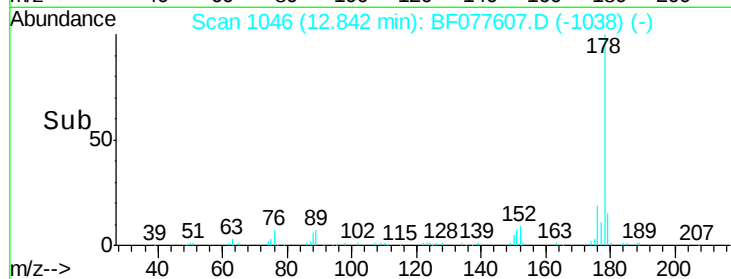
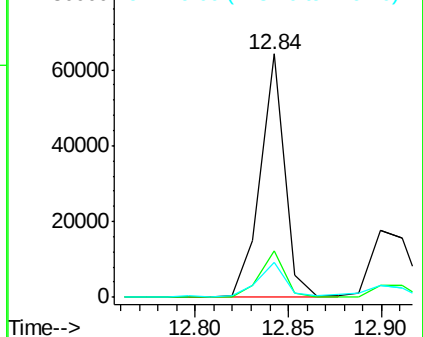
179 14.6 12.2 18.2



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



#74

Fluoranthene

Concen: 13.54 ng

RT: 14.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: BF077607.D

Acq: 5 Mar 2015 5:56

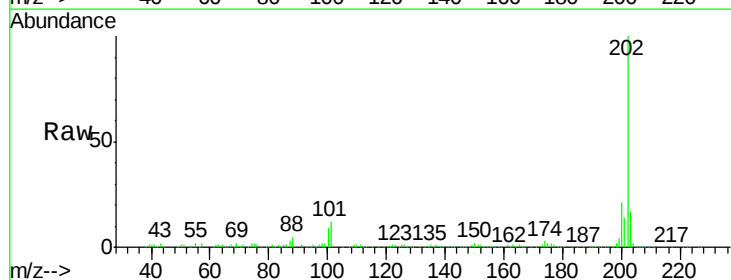
Tgt Ion:202 Resp: 212022

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.8

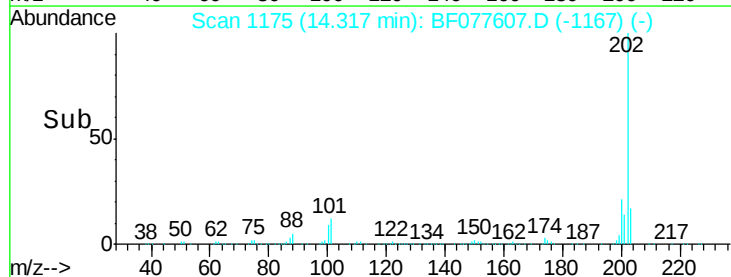
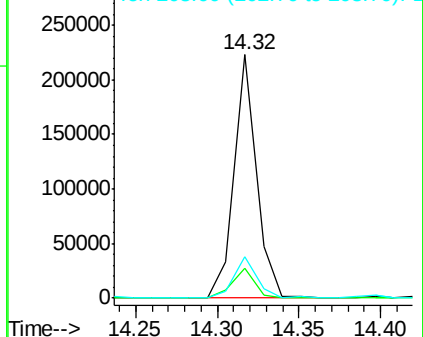
203 17.2 0.0 37.7

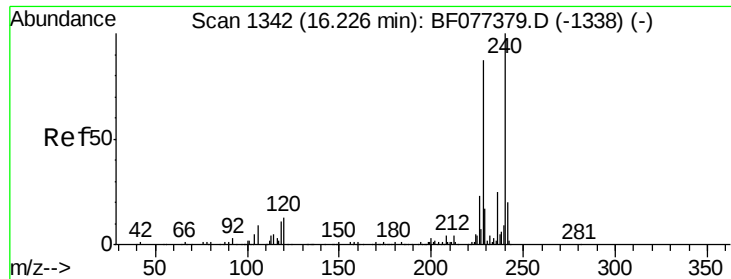


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.10 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF077607.D

Acq: 5 Mar 2015 5:56

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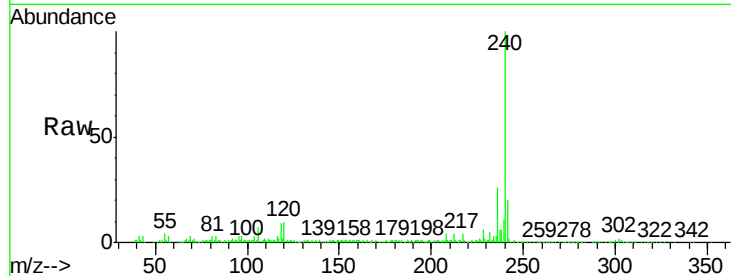
Tgt Ion:240 Resp: 286178

Ion Ratio Lower Upper

240 100

120 10.1 8.8 13.2

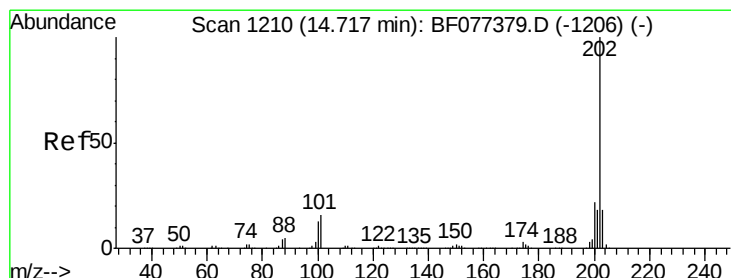
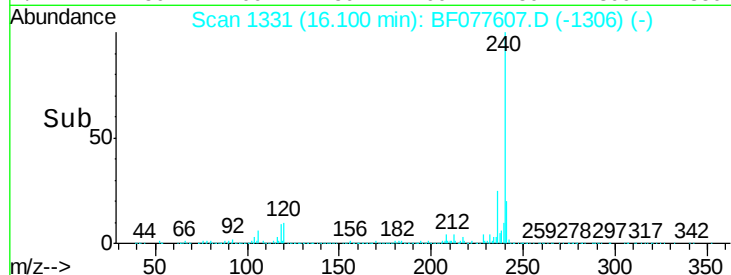
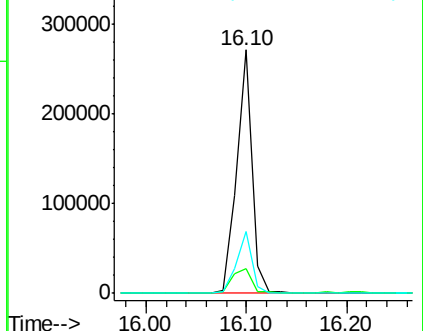
236 25.6 20.7 31.1



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: 11.69 ng

RT: 14.60 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BF077607.D

Acq: 5 Mar 2015 5:56

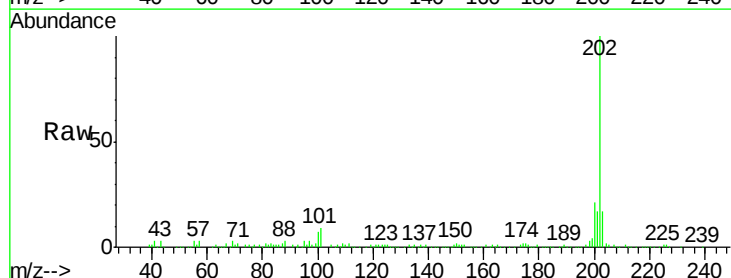
Tgt Ion:202 Resp: 204646

Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

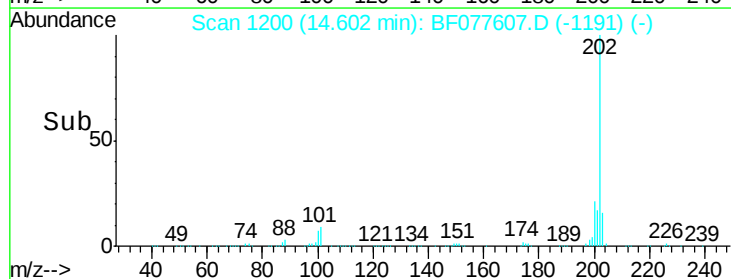
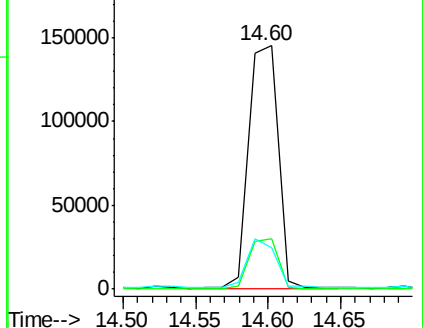
203 17.2 14.2 21.2

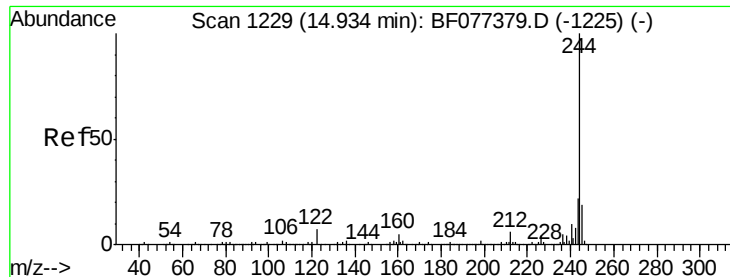


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

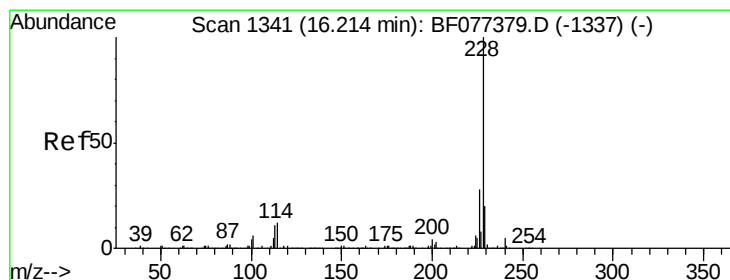
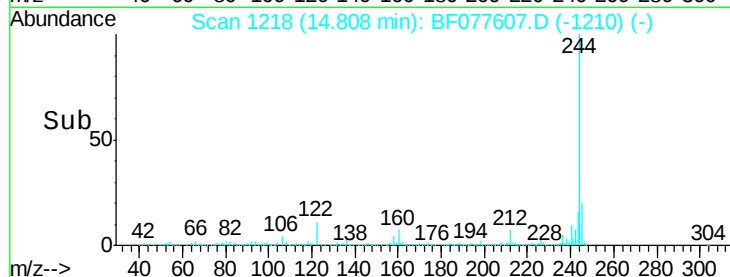
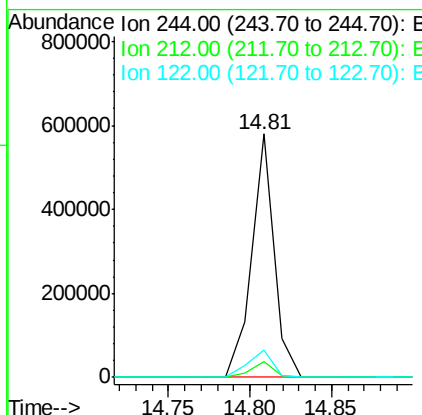
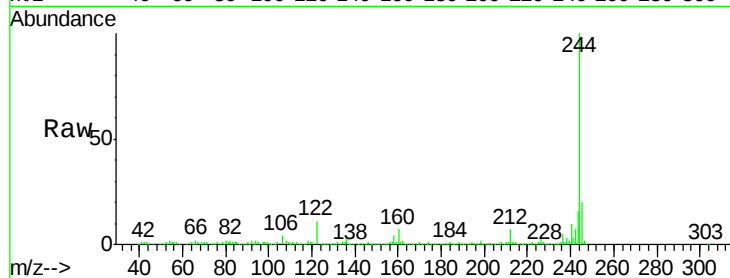




#78
 Terphenyl-d14
 Concen: 45.42 ng
 RT: 14.81 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF077607.D
 Acq: 5 Mar 2015 5:56

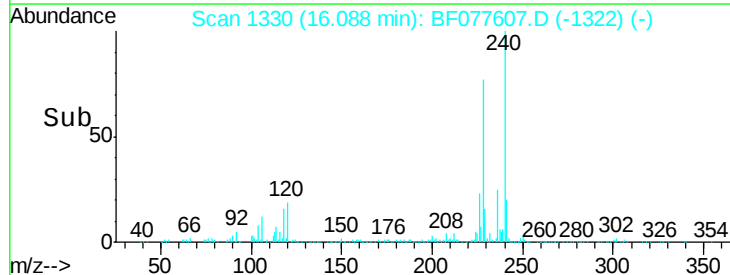
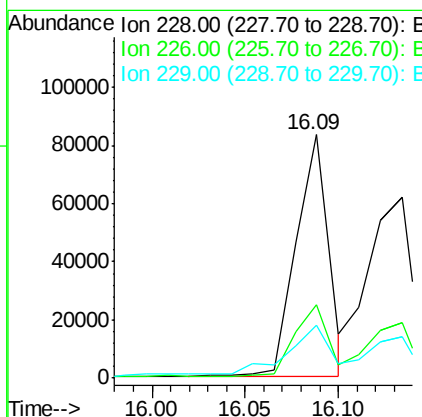
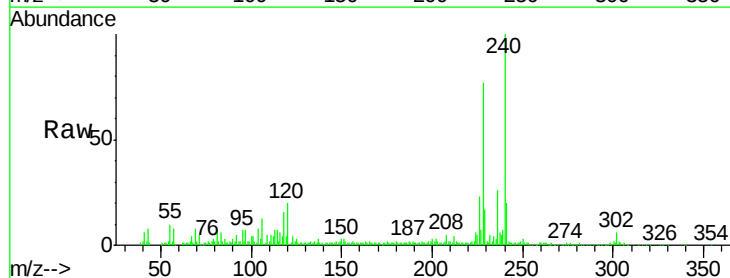
Instrument :
 BNA_F
 ClientSampleId :
 SB17

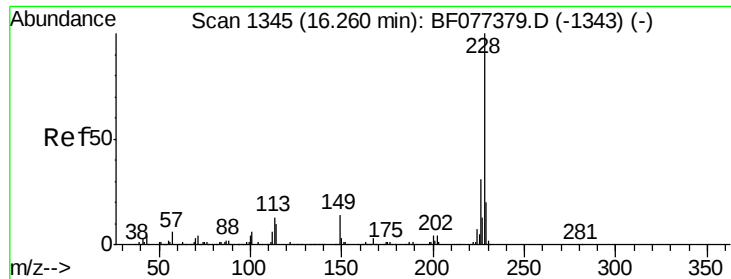
Tgt Ion:244 Resp: 555962
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 11.4 7.8 11.8



#80
 Benzo(a)anthracene
 Concen: 6.04 ng
 RT: 16.09 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF077607.D
 Acq: 5 Mar 2015 5:56

Tgt Ion:228 Resp: 101322
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.0 33.0
 229 21.6 15.8 23.8





#82

Chrysene

Concen: 5.23 ng

RT: 16.13 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF077607.D

Acq: 5 Mar 2015 5:56

Instrument :

BNA_F

ClientSampleId :

SB17

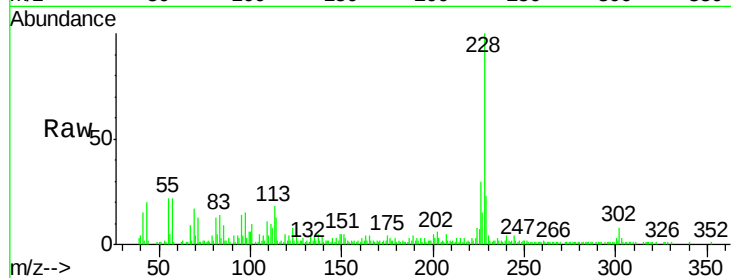
Tgt Ion:228 Resp: 82372

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

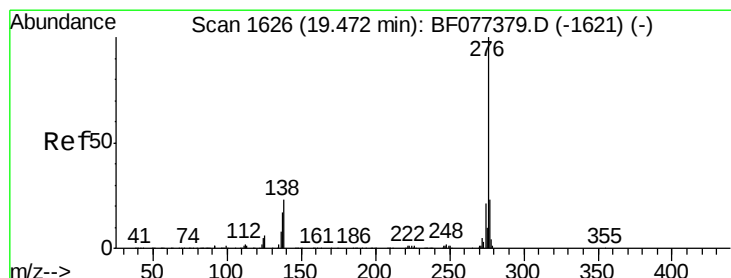
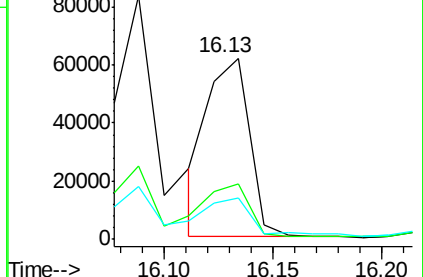
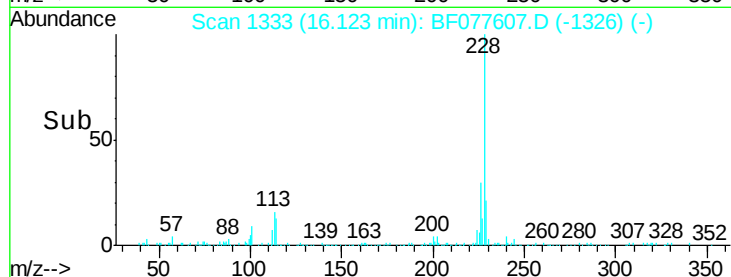
229 22.6 16.4 24.6



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: 3.22 ng

RT: 19.25 min Scan# 1606

Delta R.T. -0.05 min

Lab File: BF077607.D

Acq: 5 Mar 2015 5:56

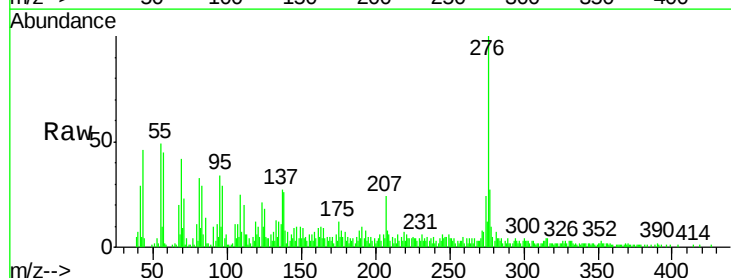
Tgt Ion:276 Resp: 57736

Ion Ratio Lower Upper

276 100

138 26.0 21.2 31.8

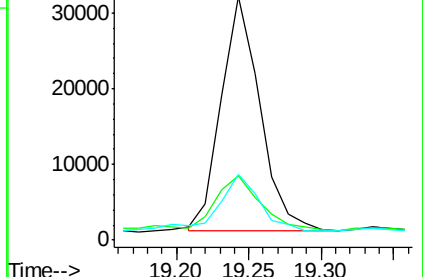
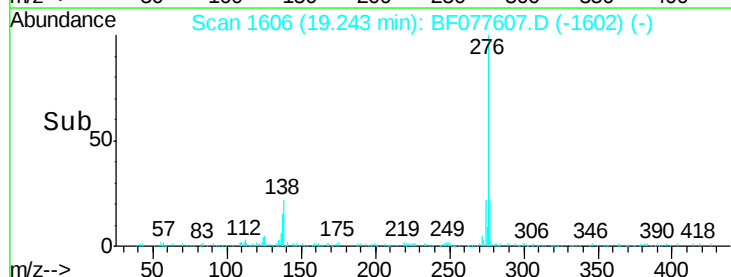
277 24.3 20.0 30.0

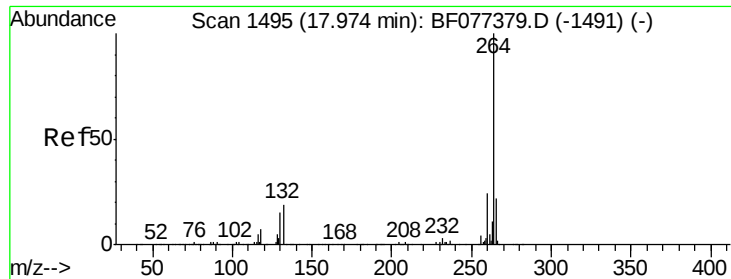


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

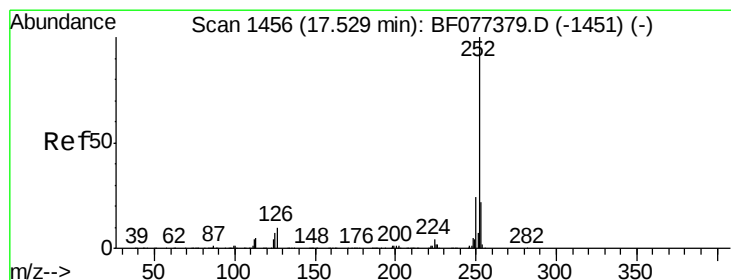
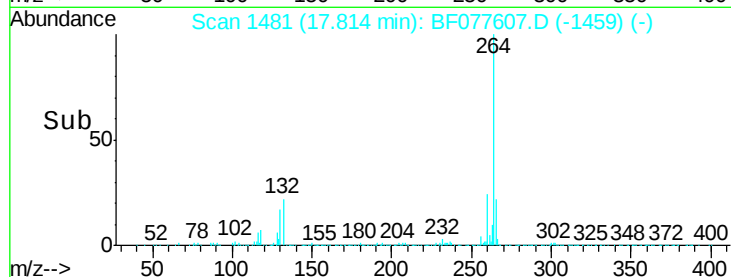
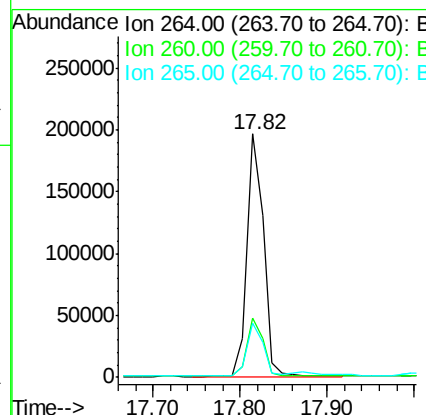
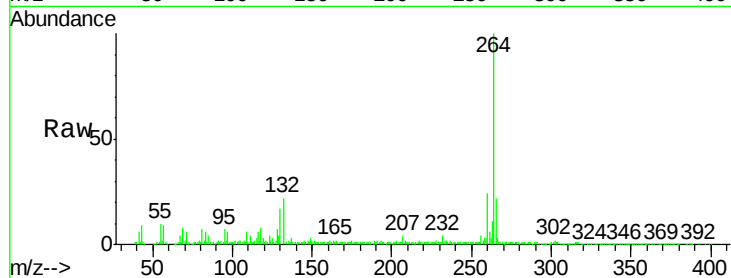




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.82 min Scan# 1481
Delta R.T. -0.04 min
Lab File: BF077607.D
Acq: 5 Mar 2015 5:56

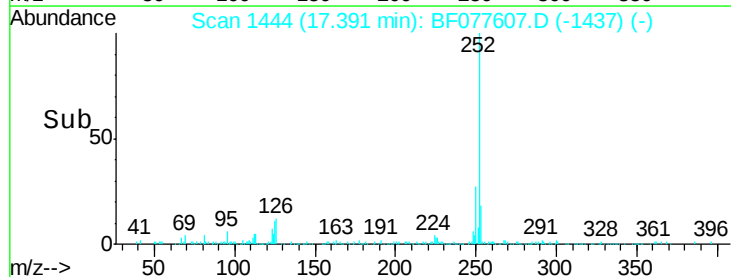
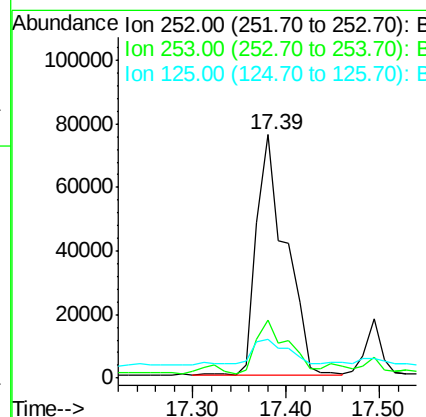
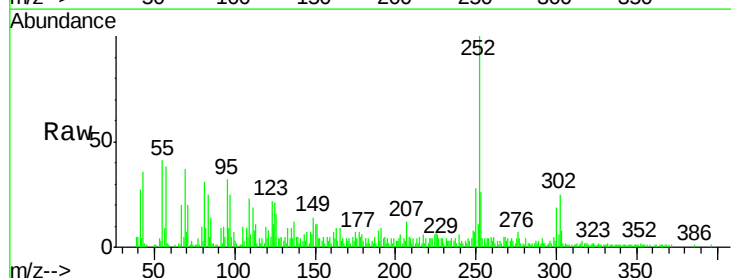
Instrument :
BNA_F
ClientSampleId :
SB17

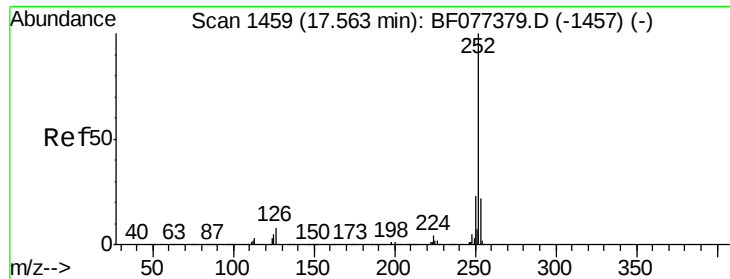
Tgt Ion:264 Resp: 257721
Ion Ratio Lower Upper
264 100
260 24.3 19.3 28.9
265 22.3 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 10.93 ng
RT: 17.39 min Scan# 1444
Delta R.T. -0.02 min
Lab File: BF077607.D
Acq: 5 Mar 2015 5:56

Tgt Ion:252 Resp: 163840
Ion Ratio Lower Upper
252 100
253 25.5 17.6 26.4
125 21.5 5.4 8.2#





#88

Benzo(k)fluoranthene

Concen: 11.03 ng

RT: 17.39 min Scan# 1444

Delta R.T. -0.06 min

Lab File: BF077607.D

Acq: 5 Mar 2015 5:56

Instrument :

BNA_F

ClientSampleId :

SB17

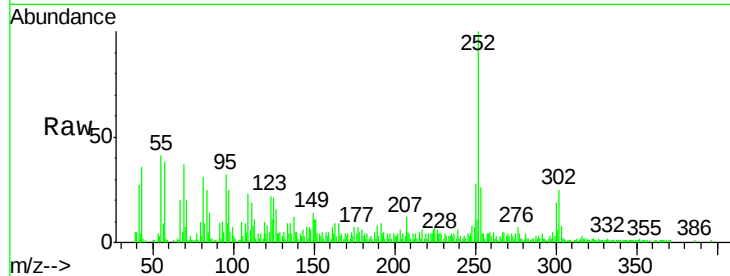
Tgt Ion:252 Resp: 162004

Ion Ratio Lower Upper

252 100

253 25.5 18.1 27.1

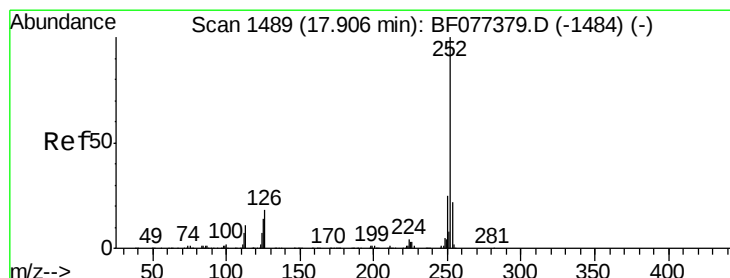
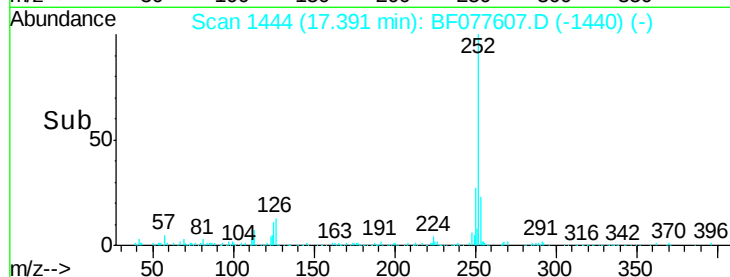
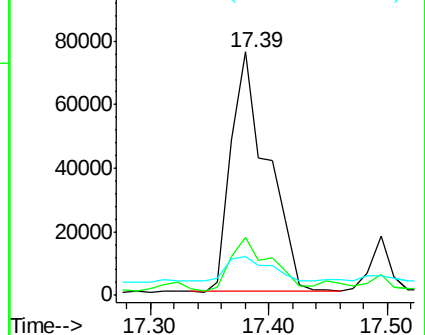
125 21.5 10.1 15.1#



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: 5.98 ng

RT: 17.75 min Scan# 1476

Delta R.T. -0.04 min

Lab File: BF077607.D

Acq: 5 Mar 2015 5:56

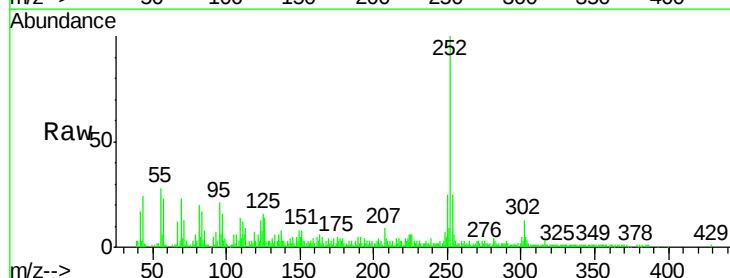
Tgt Ion:252 Resp: 85369

Ion Ratio Lower Upper

252 100

253 25.2 18.2 27.2

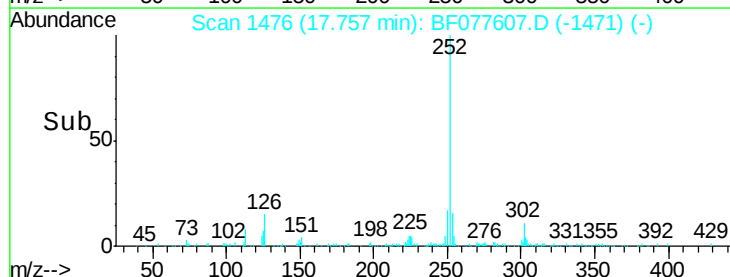
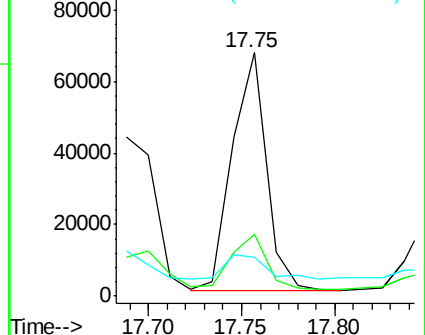
125 15.9 8.3 12.5#

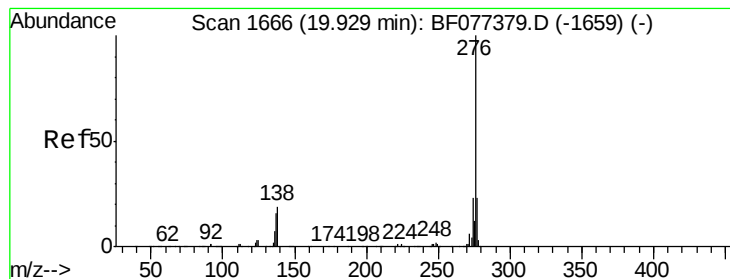


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 4.27 ng

RT: 19.67 min Scan# 1643

Delta R.T. -0.05 min

Lab File: BF077607.D

Acq: 5 Mar 2015 5:56

Instrument :

BNA_F

ClientSampleId :

SB17

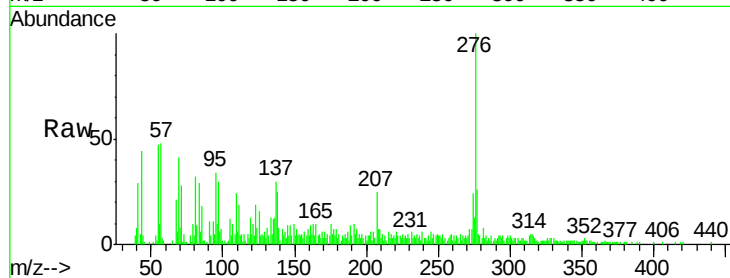
Tgt Ion: 276 Resp: 58696

Ion Ratio Lower Upper

276 100

277 25.5 18.9 28.3

138 24.9 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

