

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051415\
 Data File : BF079244.D
 Acq On : 14 May 2015 21:01
 Operator : TP/IZ
 Sample : G2246-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06

Quant Time: May 15 13:03:25 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 02:17:41 2015
 Response via : Initial Calibration

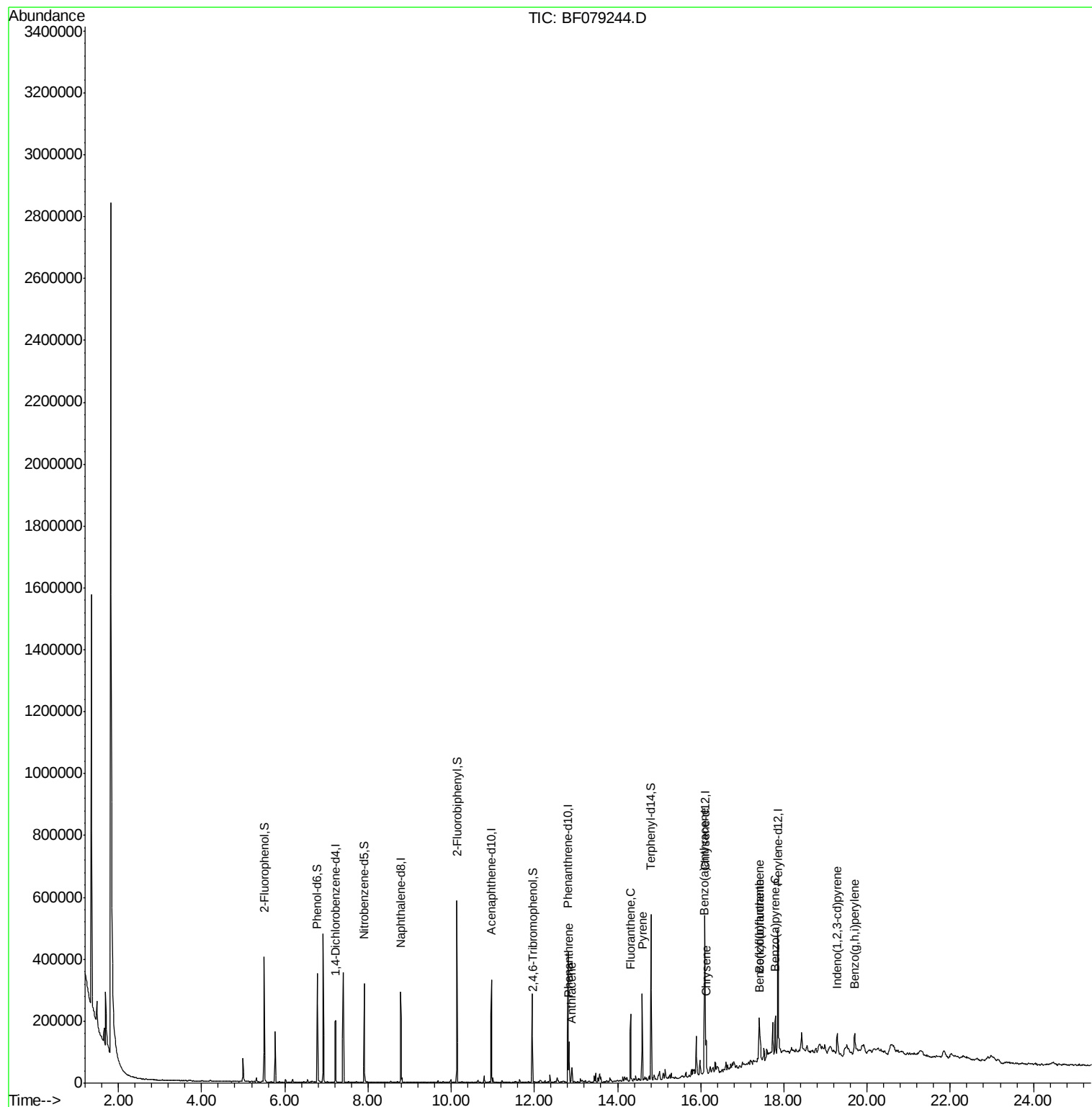
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	45997	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	179900	20.00	ng	-0.01
38) Acenaphthene-d10	10.97	164	85840	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	170094	20.00	ng	0.00
75) Chrysene-d12	16.10	240	195858	20.00	ng	-0.14
86) Perylene-d12	17.85	264	210967	20.00	ng	-0.45
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	121585m	45.50	ng	0.00
7) Phenol-d6	6.78	99	164264	46.51	ng	-0.01
23) Nitrobenzene-d5	7.91	82	93362	29.83	ng	0.00
41) 2,4,6-Tribromophenol	11.95	330	42812	46.10	ng	0.00
44) 2-Fluorobiphenyl	10.14	172	180320	29.27	ng	-0.01
78) Terphenyl-d14	14.80	244	215405m	26.33	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	12.83	178	62265	6.54	ng	97
71) Anthracene	12.90	178	19696	2.11	ng	97
74) Fluoranthene	14.32	202	121343	12.24	ng	93
77) Pyrene	14.59	202	121507m	10.77	ng	
80) Benzo(a)anthracene	16.09	228	66513m	6.20	ng	
82) Chrysene	16.14	228	64171m	6.22	ng	
85) Indeno(1,2,3-cd)pyrene	19.28	276	48272m	3.67	ng	
87) Benzo(b)fluoranthene	17.41	252	85815m	7.43	ng	
88) Benzo(k)fluoranthene	17.42	252	35673m	3.19	ng	
89) Benzo(a)pyrene	17.79	252	68507	6.44	ng	99
91) Benzo(g,h,i)perylene	19.70	276	52948	4.68	ng	# 95

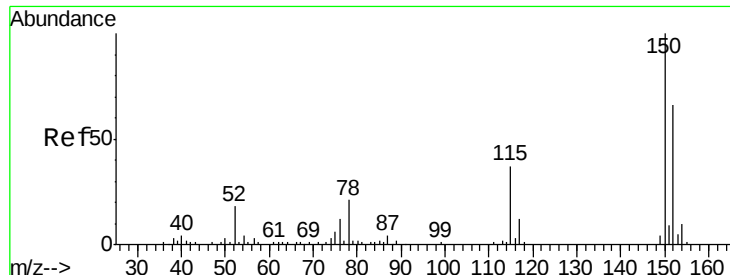
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.22 min Scan# 528

Delta R.T. 0.00 min

Lab File: BF079244.D

Acq: 14 May 2015 21:01

Instrument :

BNA_F

ClientSampleId :

SB-06

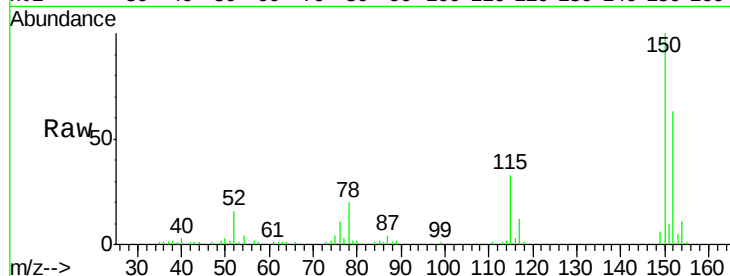
Tot Ion:152 Resp: 45997

Ion Ratio Lower Upper

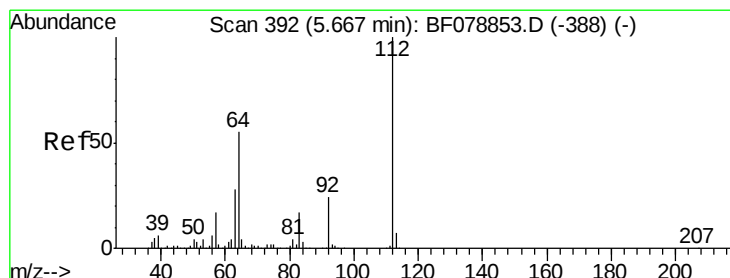
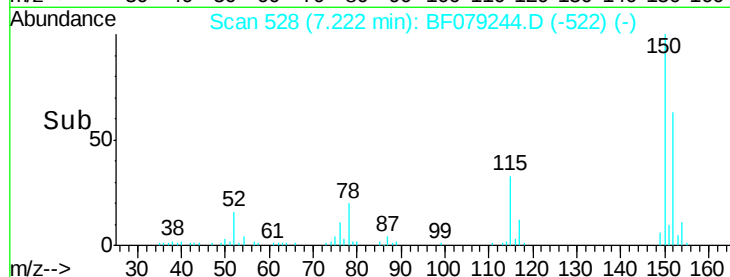
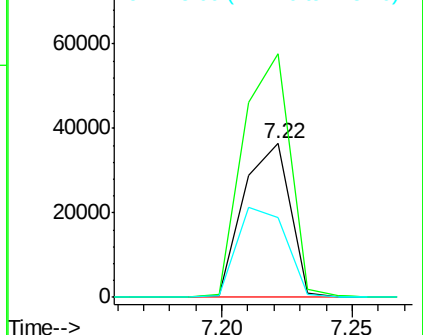
152 100

150 158.3 123.8 185.8

115 52.0 49.4 74.0



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: 45.50 ng m

RT: 5.51 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF079244.D

Acq: 14 May 2015 21:01

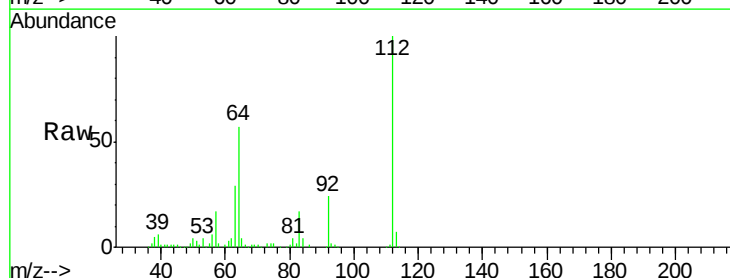
Tgt Ion:112 Resp: 121585

Ion Ratio Lower Upper

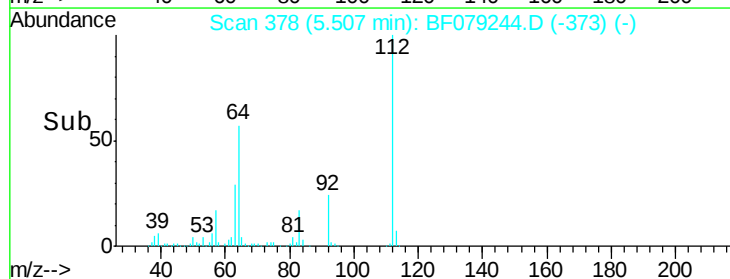
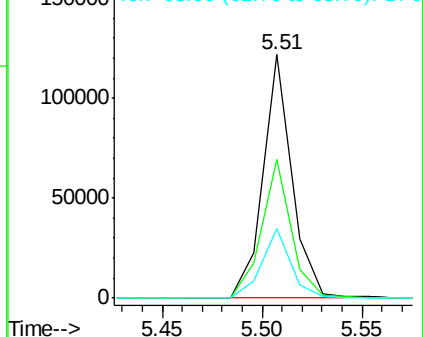
112 100

64 57.0 44.2 66.2

63 28.7 22.7 34.1



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: 46.51 ng

RT: 6.78 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF079244.D

Acq: 14 May 2015 21:01

Instrument :

BNA_F

ClientSampleId :

SB-06

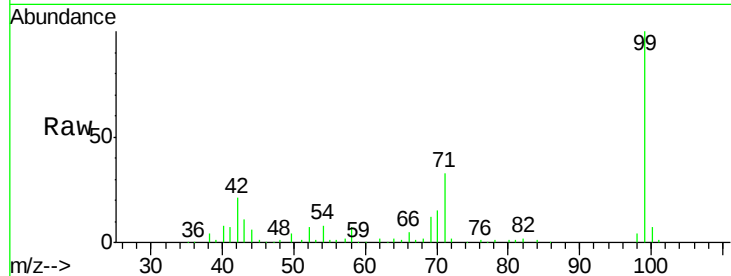
Tot Ion: 99 Resp: 164264

Ion Ratio Lower Upper

99 100

42 21.0 17.1 25.7

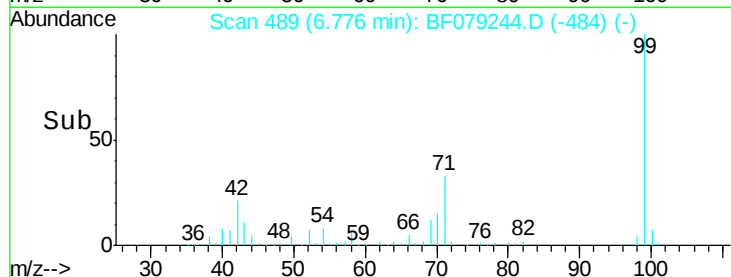
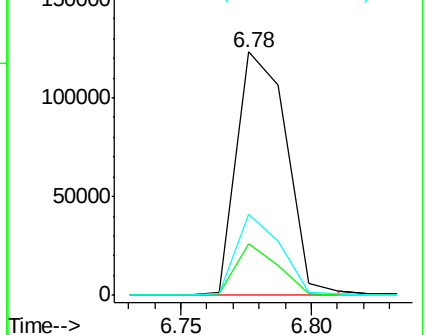
71 33.3 26.3 39.5



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: 8.79 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF079244.D

Acq: 14 May 2015 21:01

Tgt Ion: 136 Resp: 179900

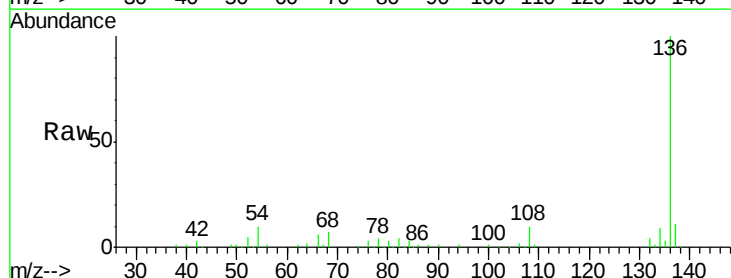
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.6 6.9 10.3

68 7.2 4.9 7.3

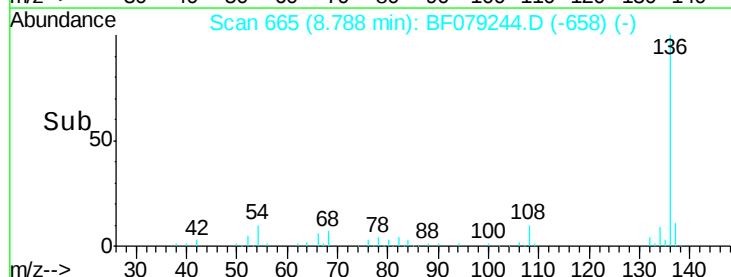
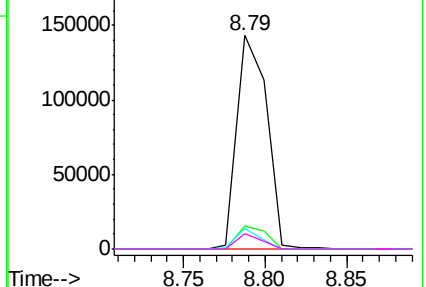


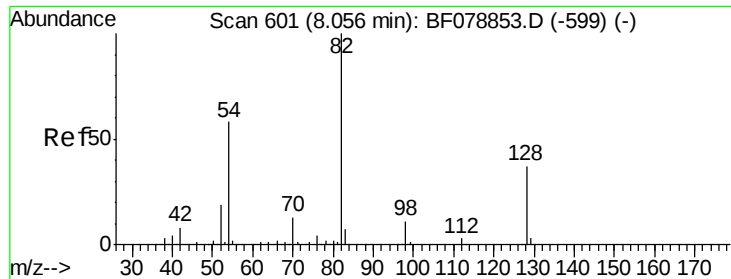
Abundance Ion 136.00 (135.70 to 136.70): E

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

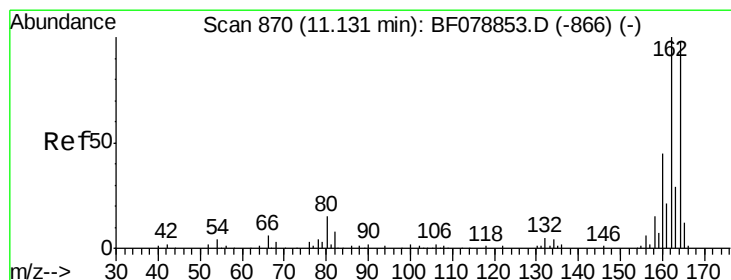
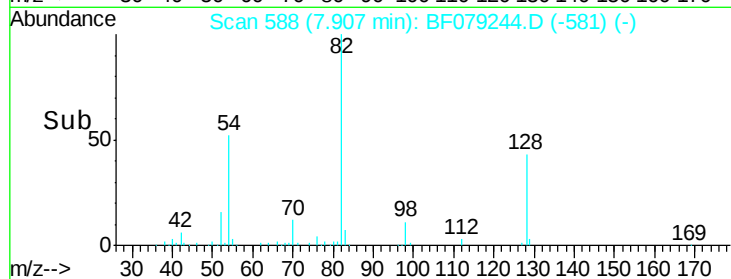
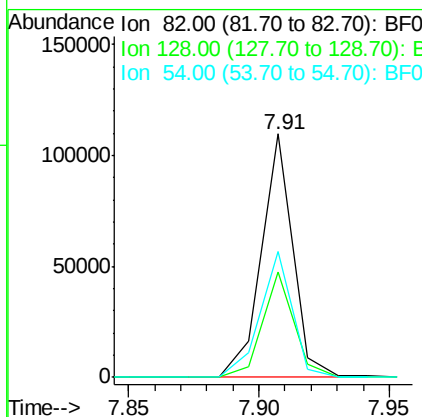
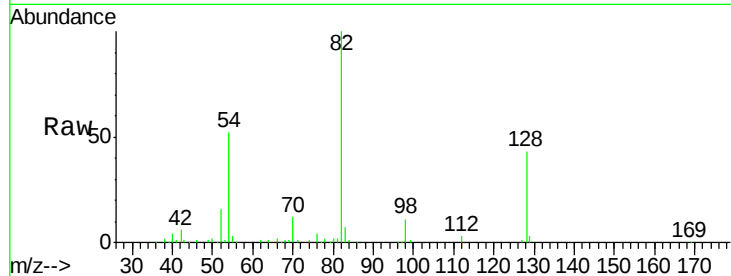




#23
 Nitrobenzene-d5
 Concen: 29.83 ng
 RT: 7.91 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: BF079244.D
 Acq: 14 May 2015 21:01

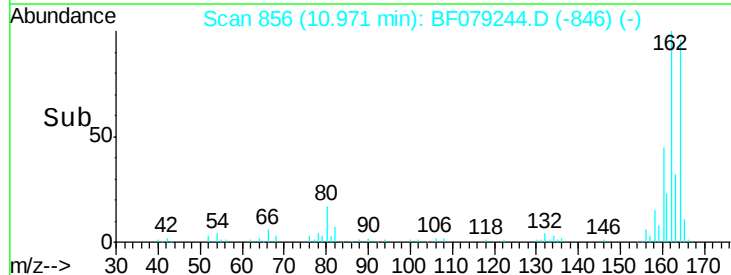
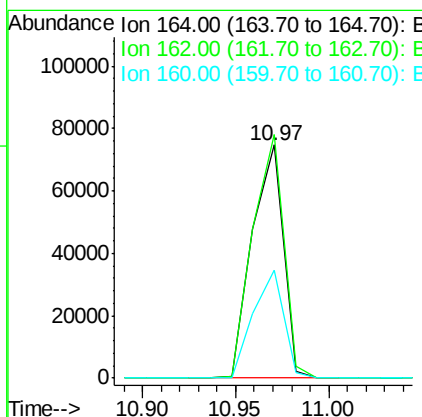
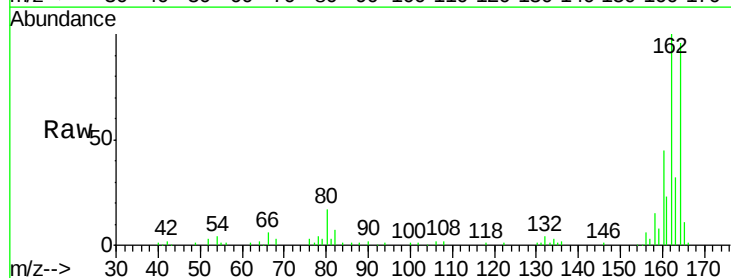
Instrument :
 BNA_F
 ClientSampled :
 SB-06

Tot Ion	82.00	Resp	93362
Ion Ratio	Lower	Upper	
82	100		
128	43.3	29.7	44.5
54	51.9	46.2	69.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: BF079244.D
 Acq: 14 May 2015 21:01

Tgt Ion	164.00	Resp	85840
Ion Ratio	Lower	Upper	
164	100		
162	104.6	81.4	122.0
160	46.5	36.6	54.8

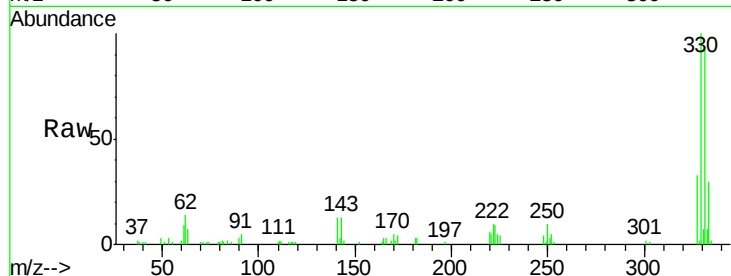




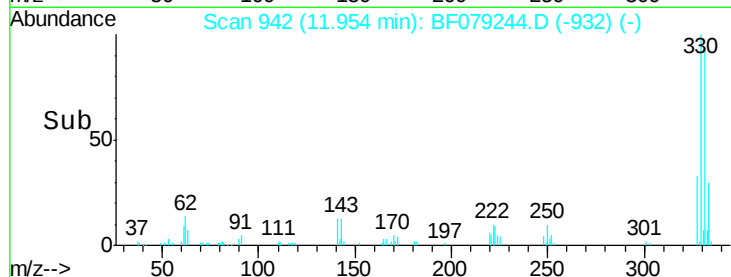
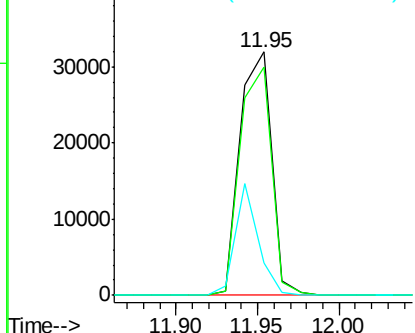
#41
 2,4,6-Tribromophenol
 Concen: 46.10 ng
 RT: 11.95 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BF079244.D
 Acq: 14 May 2015 21:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-06

Tot Ion:330 Resp: 42812
 Ion Ratio Lower Upper
 330 100
 332 93.9 76.9 115.3
 141 32.8 27.8 41.8

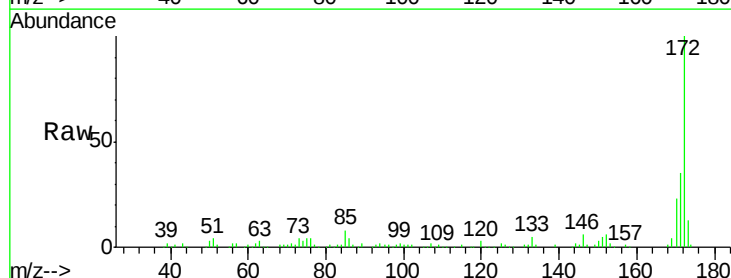


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

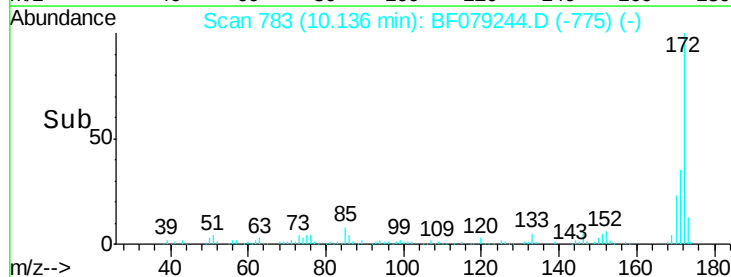
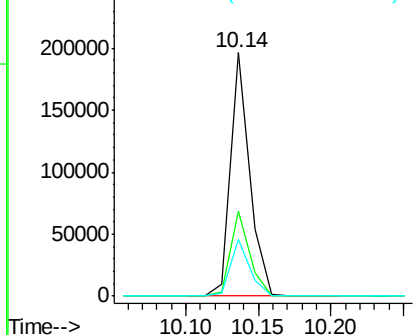


#44
 2-Fluorobiphenyl
 Concen: 29.27 ng
 RT: 10.14 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF079244.D
 Acq: 14 May 2015 21:01

Tgt Ion:172 Resp: 180320
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.3 42.5
 170 23.3 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

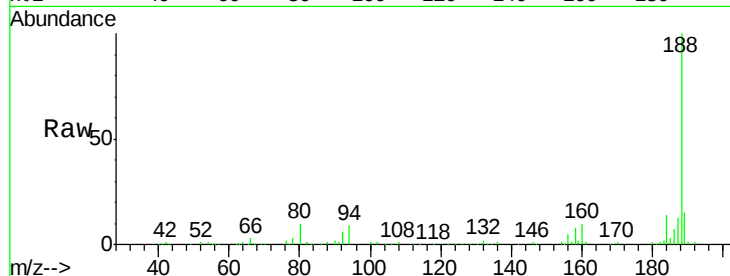




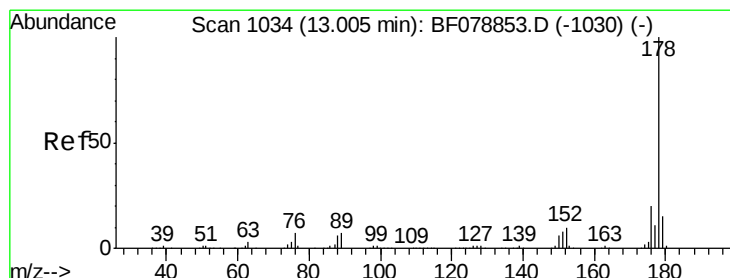
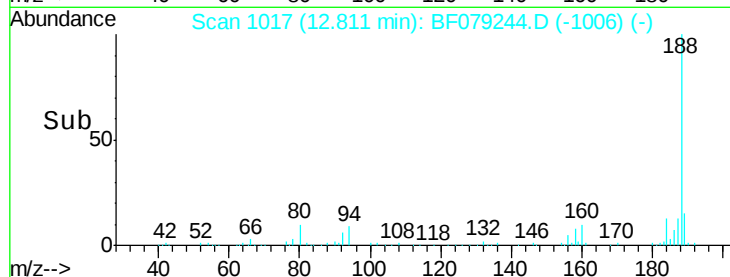
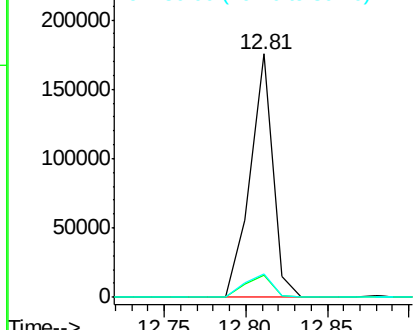
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.81 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF079244.D
Acq: 14 May 2015 21:01

Instrument :
BNA_F
ClientSampled :
SB-06

Tot Ion:188 Resp: 170094
Ion Ratio Lower Upper
188 100
94 8.9 9.4 14.0#
80 9.5 9.8 14.6#

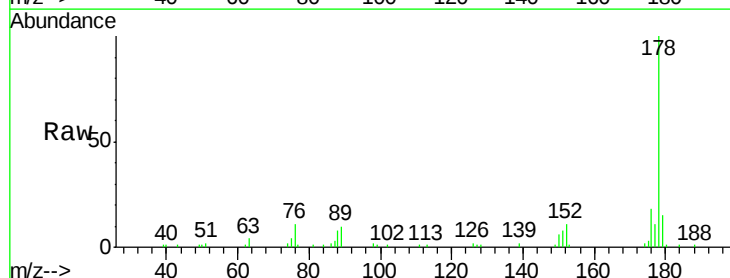


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

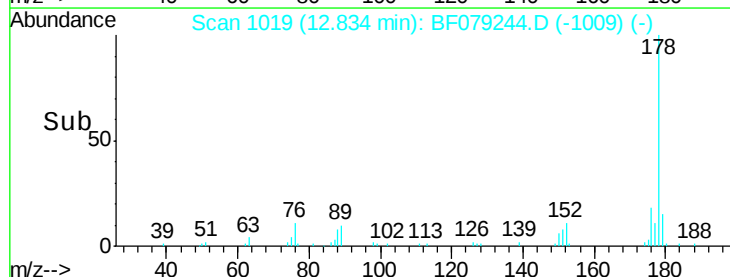
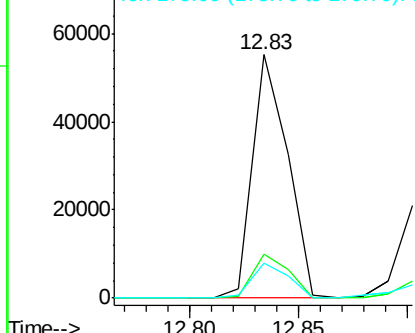


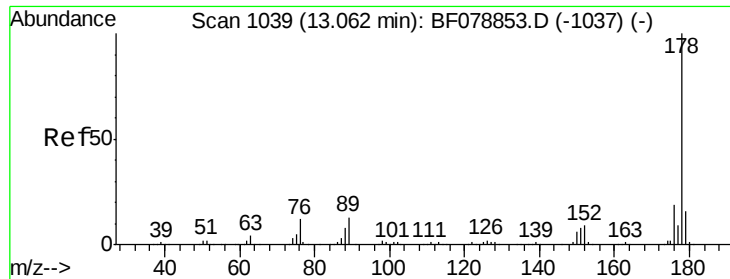
#70
Phenanthrene
Concen: 6.54 ng
RT: 12.83 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF079244.D
Acq: 14 May 2015 21:01

Tgt Ion:178 Resp: 62265
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.6 12.2 18.4



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

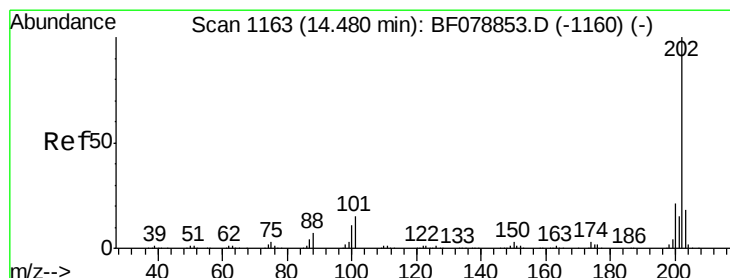
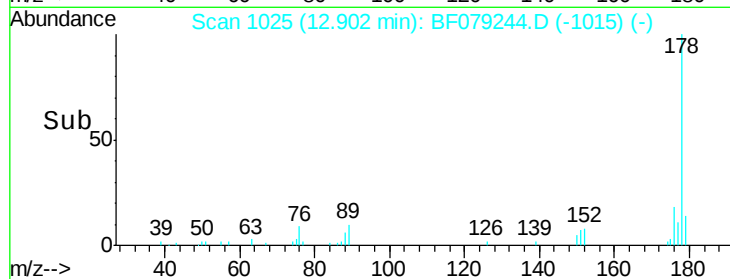
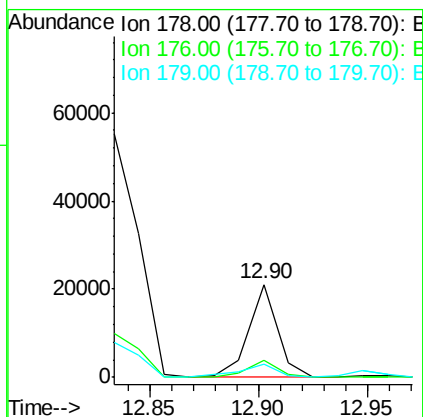
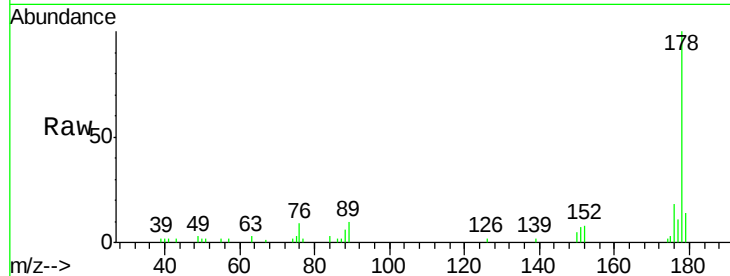




#71
 Anthracene
 Concen: 2.11 ng
 RT: 12.90 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BF079244.D
 Acq: 14 May 2015 21:01

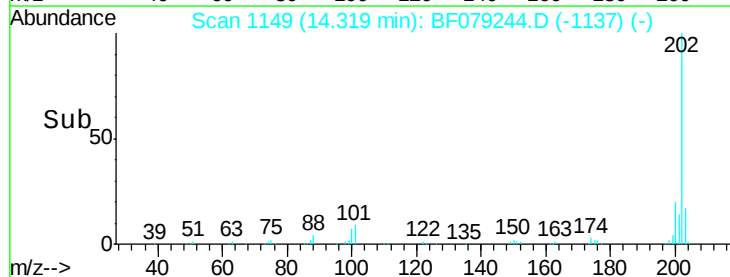
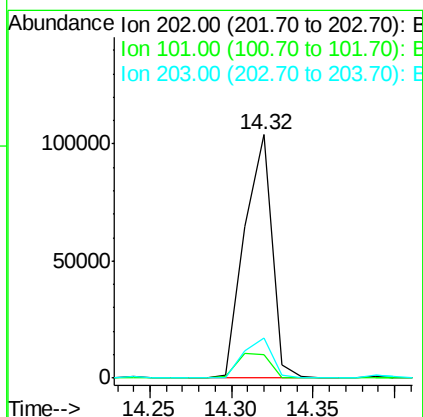
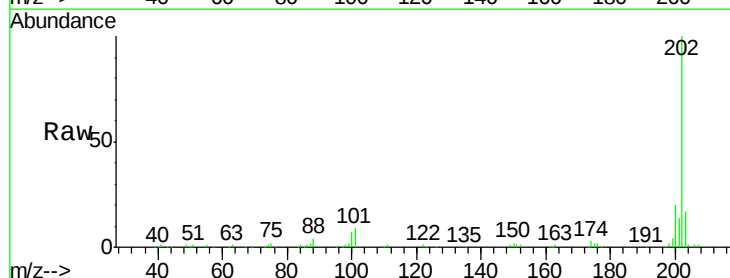
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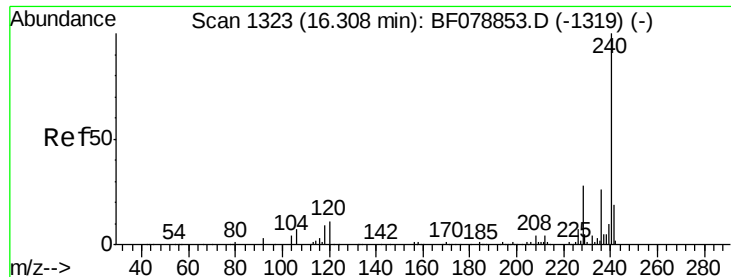
Tot Ion:178 Resp: 19696
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.3 22.9
 179 14.4 12.6 19.0



#74
 Fluoranthene
 Concen: 12.24 ng
 RT: 14.32 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF079244.D
 Acq: 14 May 2015 21:01

Tgt Ion:202 Resp: 121343
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 34.7
 203 16.6 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.10 min Scan# 1305

Delta R.T. -0.14 min

Lab File: BF079244.D

Acq: 14 May 2015 21:01

Instrument :

BNA_F

ClientSampled :

SB-06

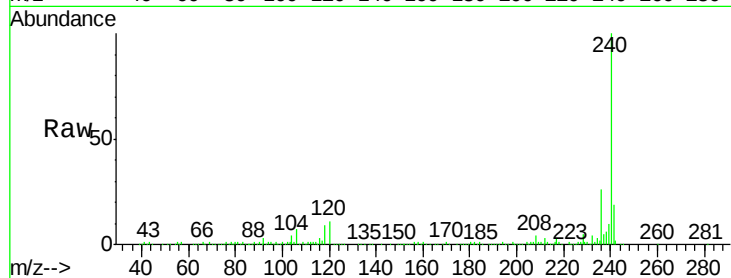
Tot Ion:240 Resp: 195858

Ion Ratio Lower Upper

240 100

120 11.0 8.6 12.8

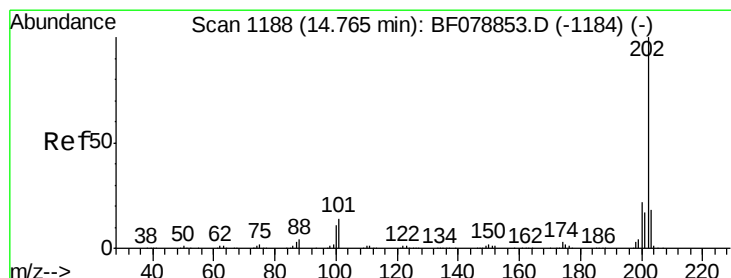
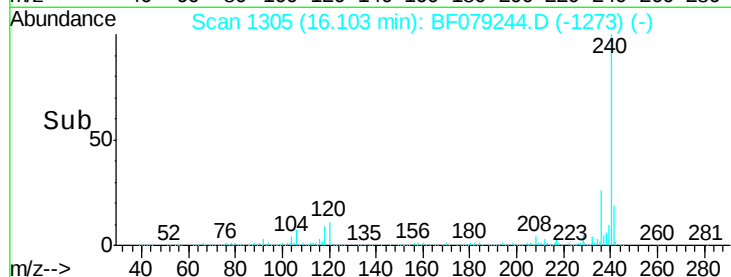
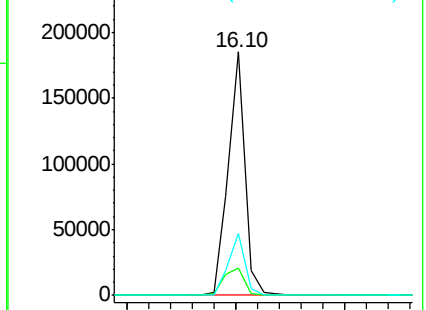
236 25.5 21.0 31.6



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: 10.77 ng m

RT: 14.59 min Scan# 1173

Delta R.T. -0.02 min

Lab File: BF079244.D

Acq: 14 May 2015 21:01

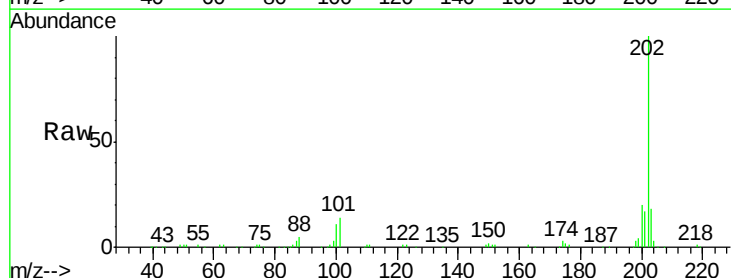
Tgt Ion:202 Resp: 121507

Ion Ratio Lower Upper

202 100

200 20.3 17.5 26.3

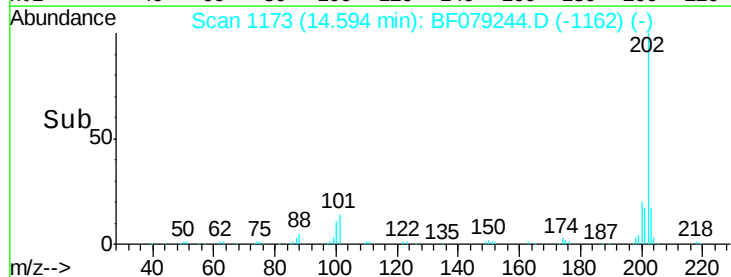
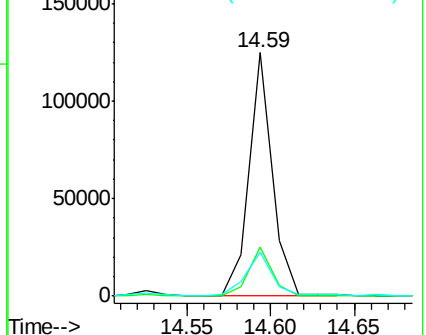
203 17.9 14.7 22.1

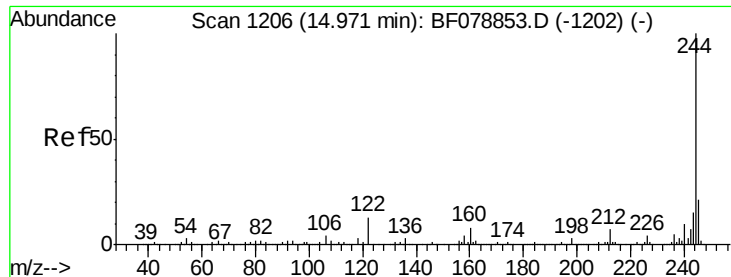


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

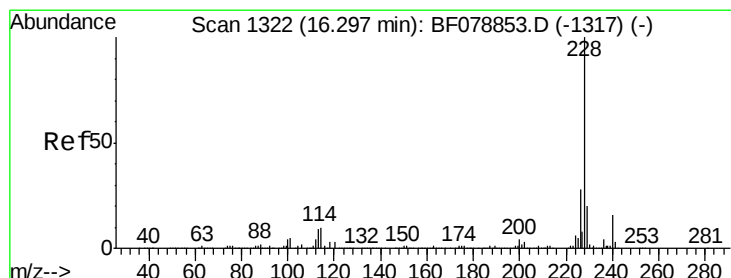
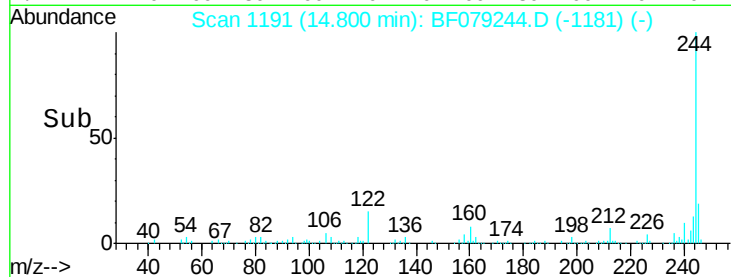
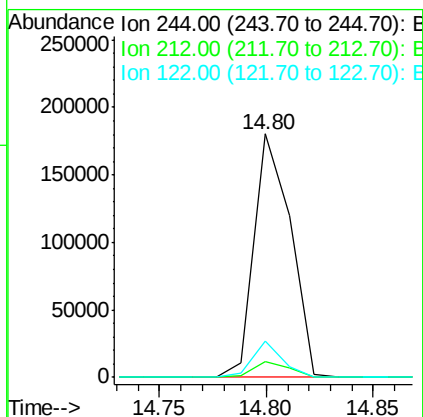
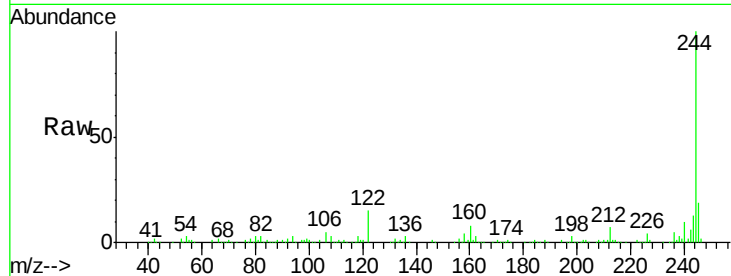




#78
 Terphenyl-d14
 Concen: 26.33 ng/ml
 RT: 14.80 min Scan# 1191
 Delta R.T. -0.03 min
 Lab File: BF079244.D
 Acq: 14 May 2015 21:01

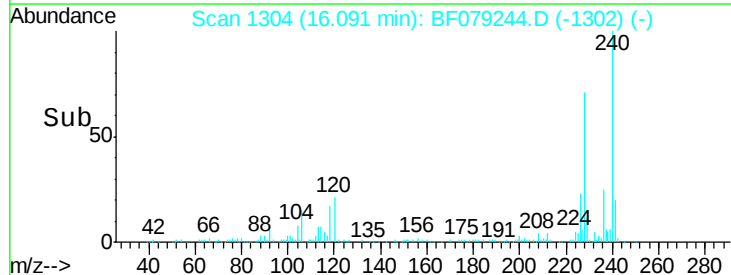
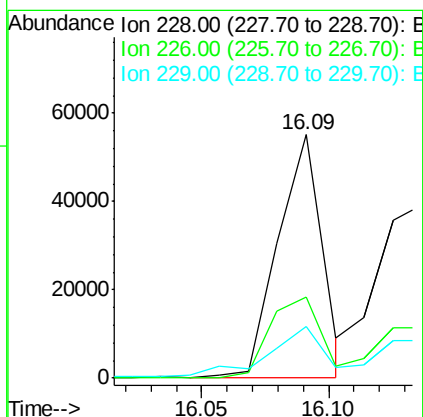
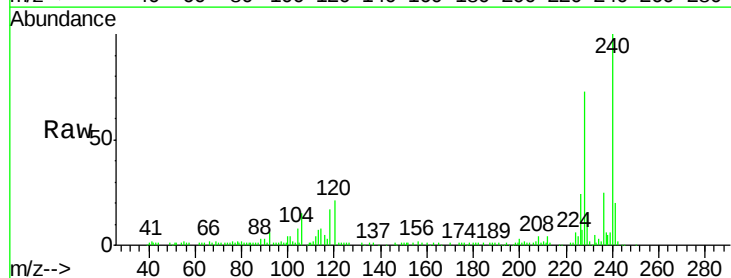
Instrument :
 BNA_F
 ClientSampleId :
 SB-06

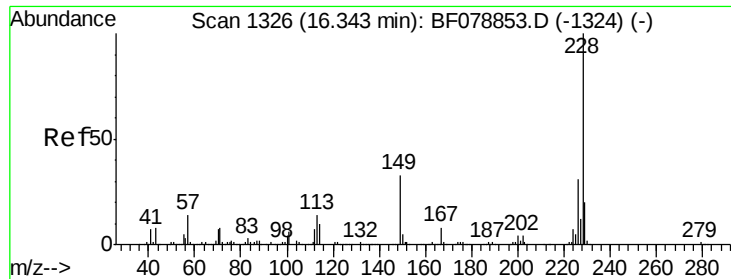
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	14.8	10.5	15.7



#80
 Benzo(a)anthracene
 Concen: 6.20 ng/ml
 RT: 16.09 min Scan# 1304
 Delta R.T. -0.14 min
 Lab File: BF079244.D
 Acq: 14 May 2015 21:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.3	33.5
229	21.0	16.1	24.1





#82

Chrysene

Concen: 6.22 ng m

RT: 16.14 min Scan# 1308

Delta R.T. -0.15 min

Lab File: BF079244.D

Acq: 14 May 2015 21:01

Instrument :

BNA_F

ClientSampled :

SB-06

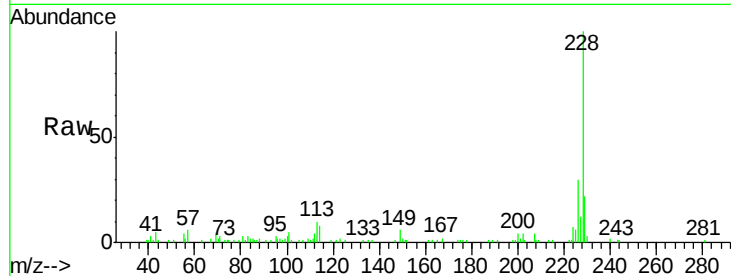
Tot Ion:228 Resp: 64171

Ion Ratio Lower Upper

228 100

226 29.6 24.8 37.2

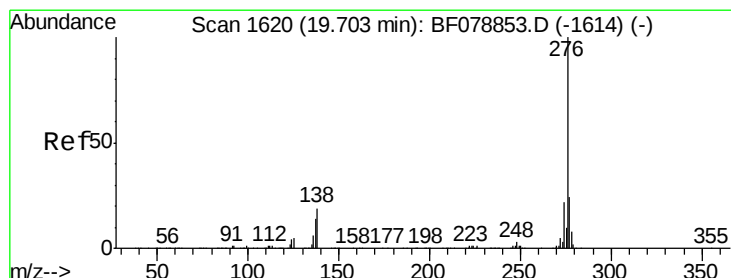
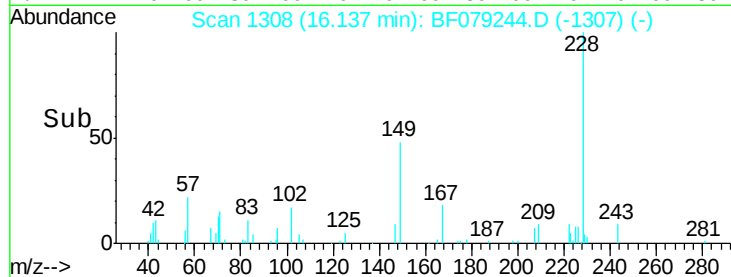
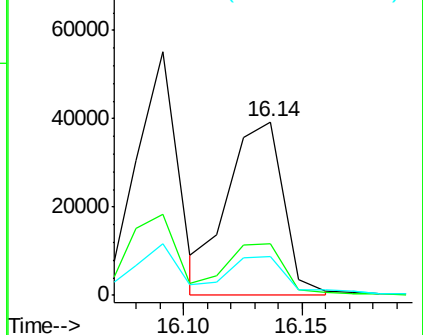
229 22.1 16.1 24.1



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: 3.67 ng m

RT: 19.28 min Scan# 1583

Delta R.T. -0.55 min

Lab File: BF079244.D

Acq: 14 May 2015 21:01

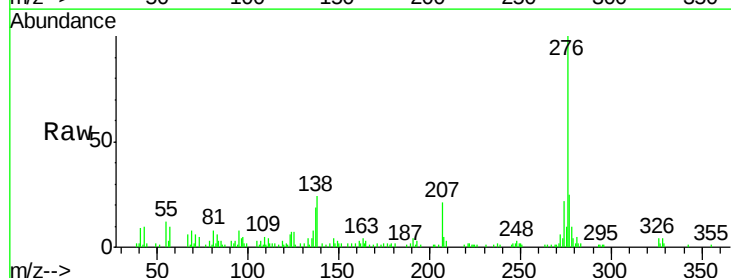
Tgt Ion:276 Resp: 48272

Ion Ratio Lower Upper

276 100

138 24.7 21.1 31.7

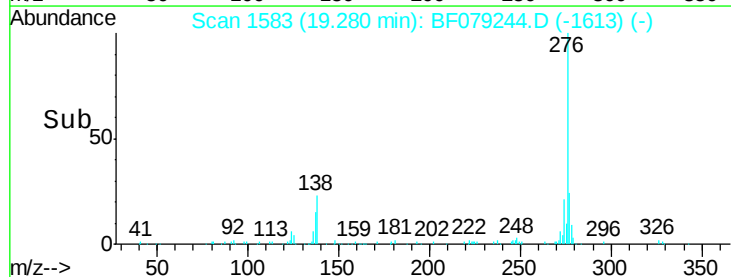
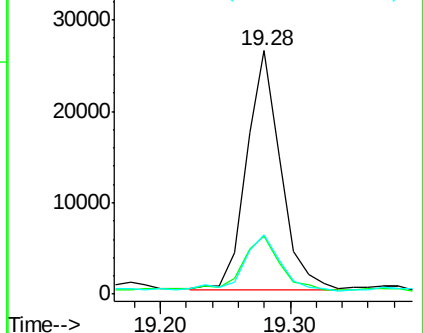
277 33.2 19.9 29.9#

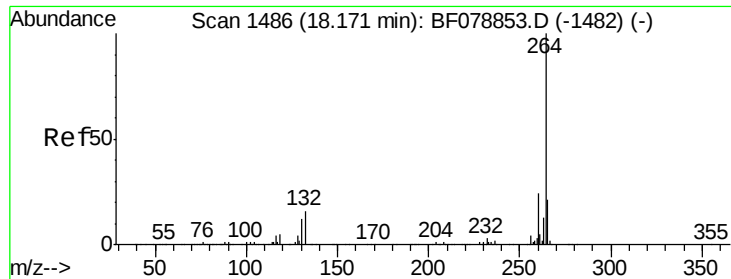


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

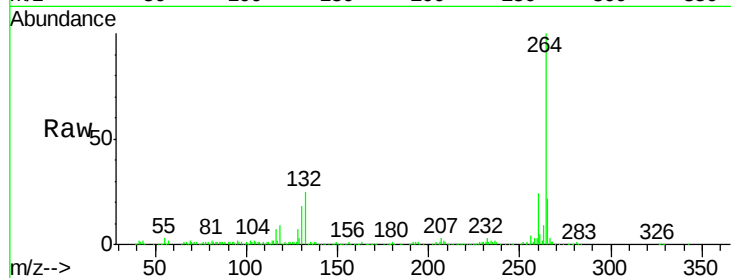




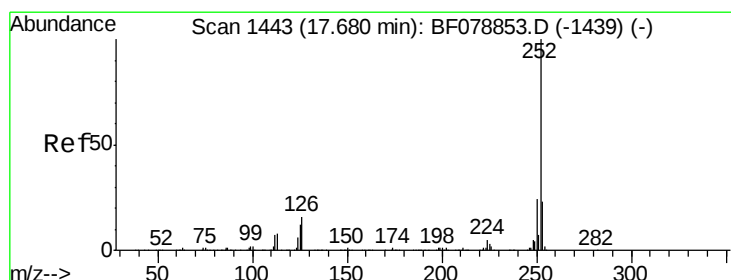
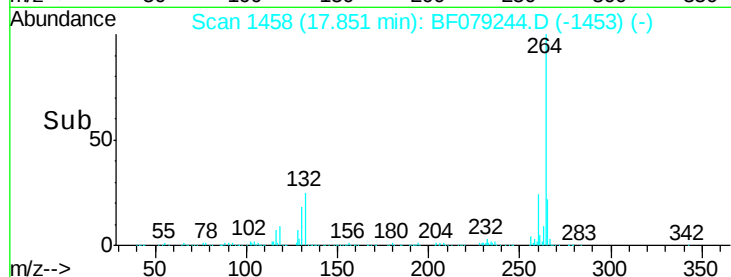
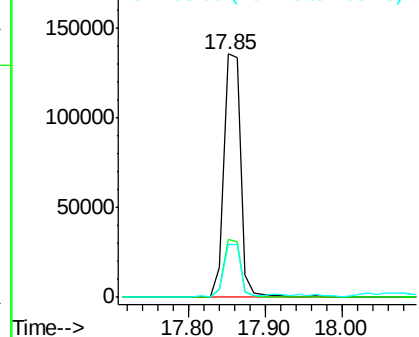
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.85 min Scan# 1458
Delta R.T. -0.45 min
Lab File: BF079244.D
Acq: 14 May 2015 21:01

Instrument :
BNA_F
ClientSampleId :
SB-06

Tot Ion:264 Resp: 210967
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.8 17.2 25.8

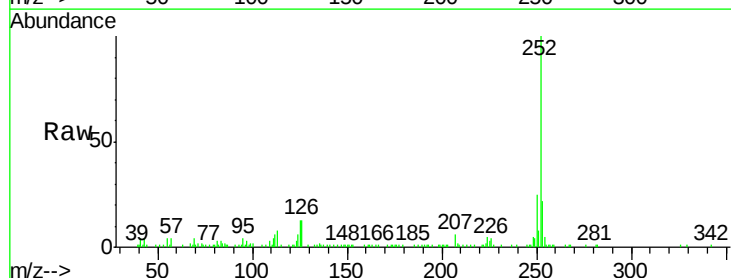


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

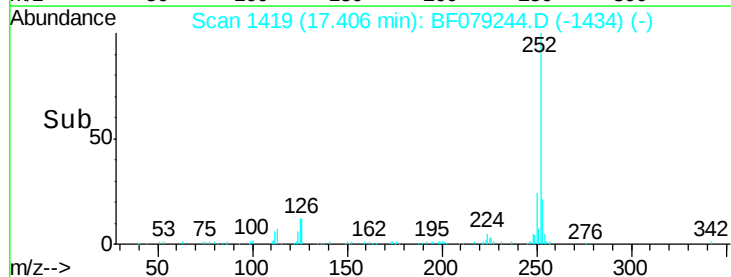
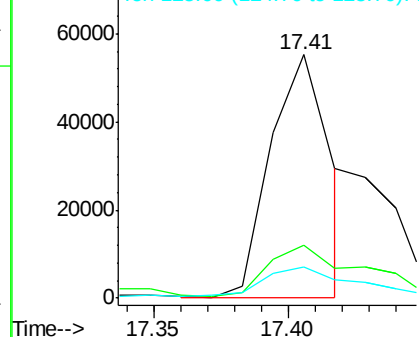


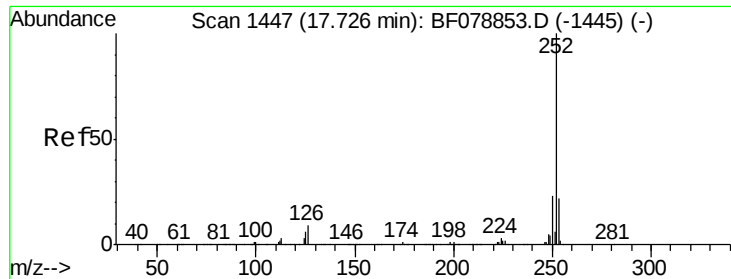
#87
Benzo(b)fluoranthene
Concen: 7.43 ng m
RT: 17.41 min Scan# 1419
Delta R.T. -0.35 min
Lab File: BF079244.D
Acq: 14 May 2015 21:01

Tgt Ion:252 Resp: 85815
Ion Ratio Lower Upper
252 100
253 22.0 18.1 27.1
125 13.0 9.4 14.2



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

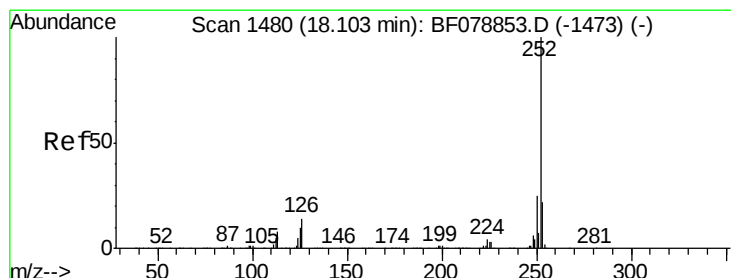
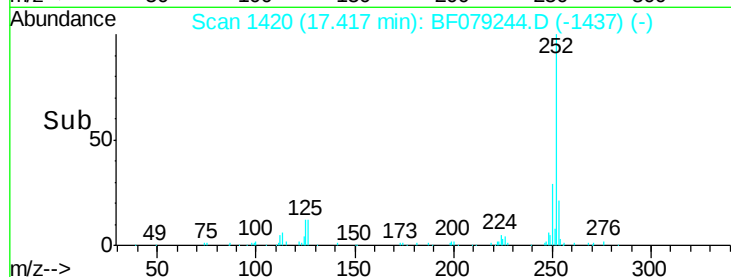
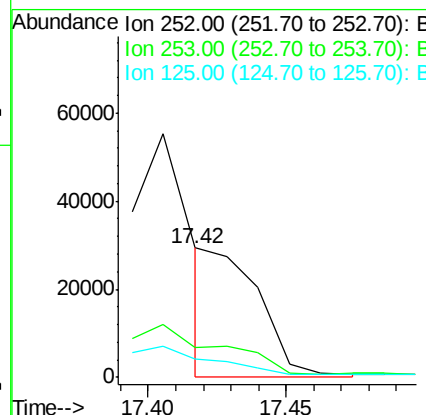
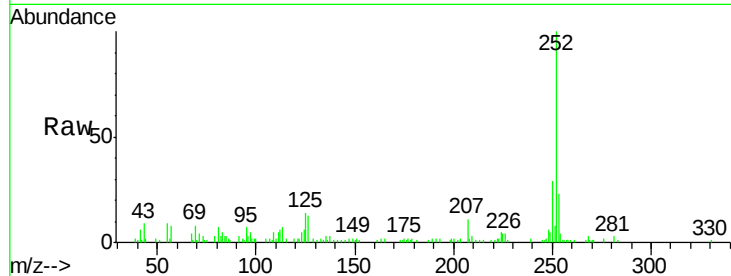




#88
Benzo(k)fluoranthene
Concen: 3.19 ng/mL
RT: 17.42 min Scan# 1420
Delta R.T. -0.38 min
Lab File: BF079244.D
Acq: 14 May 2015 21:01

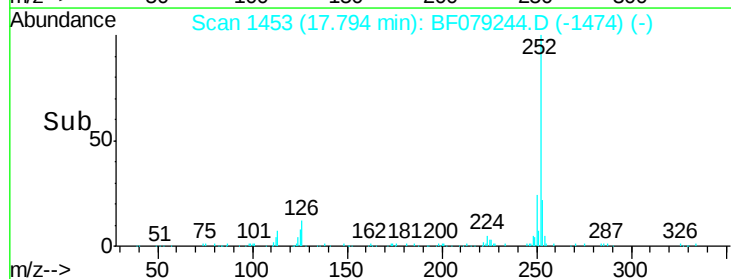
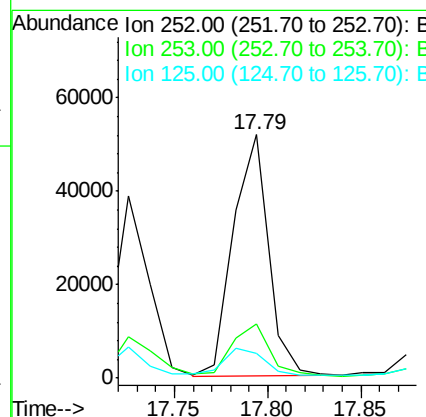
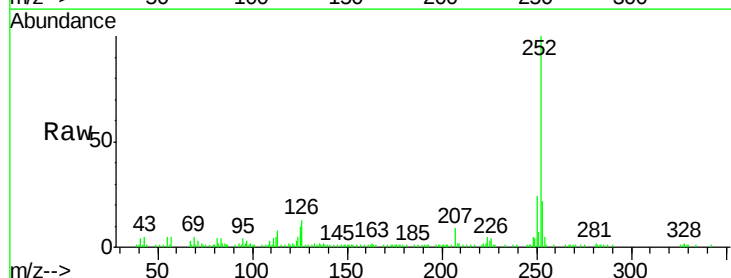
Instrument :
BNA_F
ClientSampleId :
SB-06

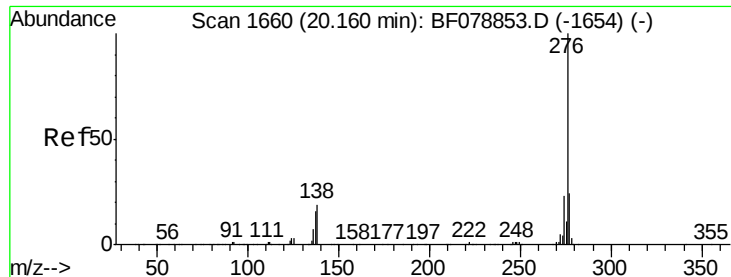
Tot Ion:252 Resp: 35673
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 14.1 6.1 9.1#



#89
Benzo(a)pyrene
Concen: 6.44 ng/mL
RT: 17.79 min Scan# 1453
Delta R.T. -0.42 min
Lab File: BF079244.D
Acq: 14 May 2015 21:01

Tgt Ion:252 Resp: 68507
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 9.9 8.2 12.2





#91
 Benzo(a,h,i)perylene
 Concen: 4.68 ng
 RT: 19.70 min Scan# 1620
 Delta R.T. -0.56 min
 Lab File: BF079244.D
 Acq: 14 May 2015 21:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-06

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	23.9	15.2	22.8

