

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051415\
 Data File : BF079249.D
 Acq On : 14 May 2015 23:44
 Operator : TP/IZ
 Sample : G2177-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-30A(3-5)

Quant Time: May 15 03:59:20 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

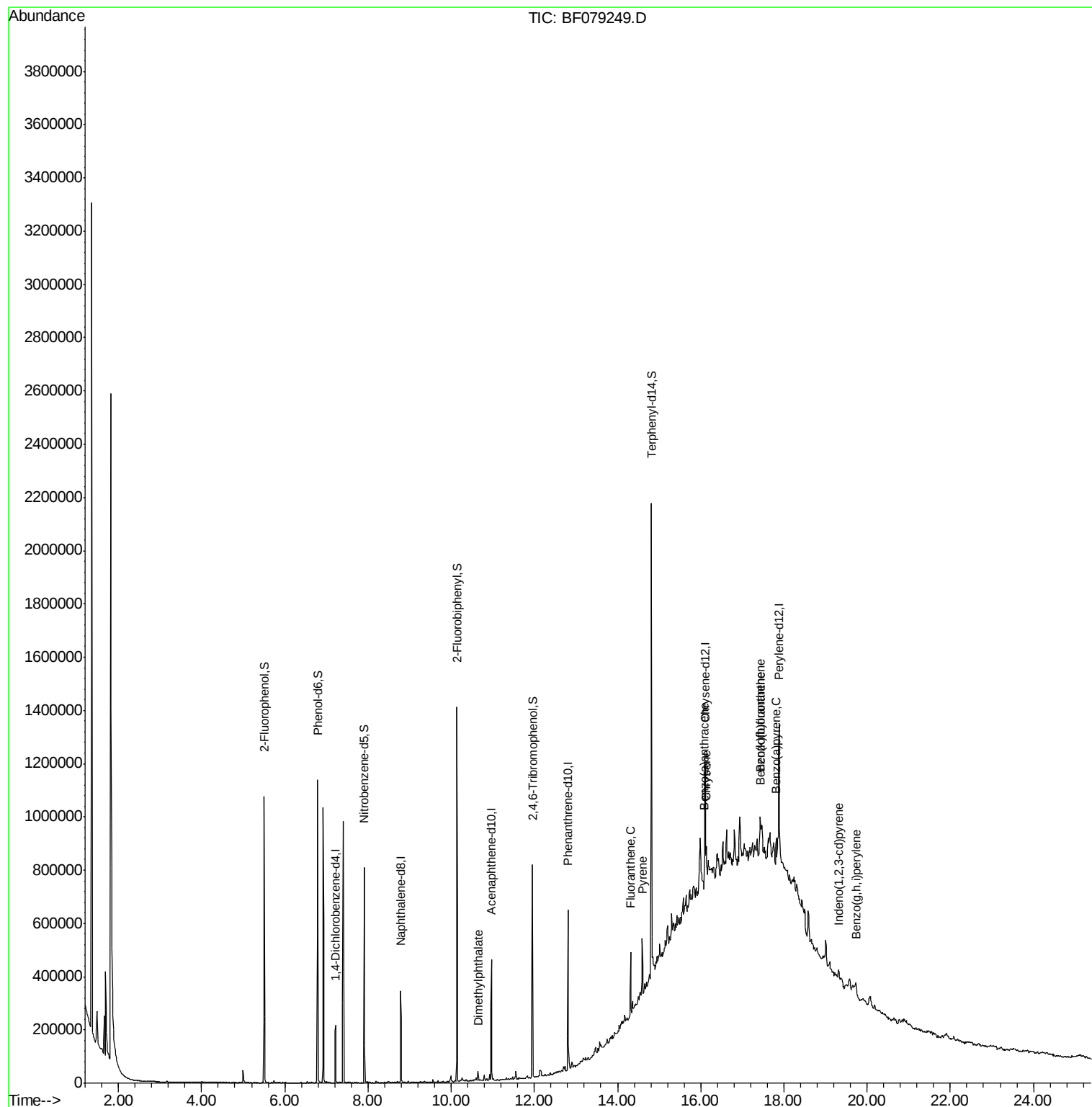
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	48545	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	207583	20.00	ng	-0.01
38) Acenaphthene-d10	10.97	164	113543	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	223725	20.00	ng	0.00
75) Chrysene-d12	16.11	240	233922	20.00	ng	-0.13
86) Perylene-d12	17.89	264	243433	20.00	ng	-0.41
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	325756m	115.51	ng	0.00
7) Phenol-d6	6.79	99	467657	125.45	ng	0.00
23) Nitrobenzene-d5	7.91	82	249820	69.17	ng	0.00
41) 2,4,6-Tribromophenol	11.95	330	153075	124.62	ng	0.00
44) 2-Fluorobiphenyl	10.14	172	510682	62.66	ng	-0.01
78) Terphenyl-d14	14.81	244	664716m	68.03	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	10.65	163	20520	2.46	ng	96
74) Fluoranthene	14.32	202	102843	7.89	ng	96
77) Pyrene	14.59	202	98669m	7.32	ng	
80) Benzo(a)anthracene	16.09	228	54589m	4.26	ng	
82) Chrysene	16.14	228	45504	3.69	ng	97
85) Indeno(1,2,3-cd)pyrene	19.31	276	31401m	2.00	ng	
87) Benzo(b)fluoranthene	17.43	252	72903m	5.47	ng	
88) Benzo(k)fluoranthene	17.44	252	28858m	2.24	ng	
89) Benzo(a)pyrene	17.82	252	50284	4.10	ng	# 78
91) Benzo(g,h,i)perylene	19.74	276	31222m	2.39	ng	

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

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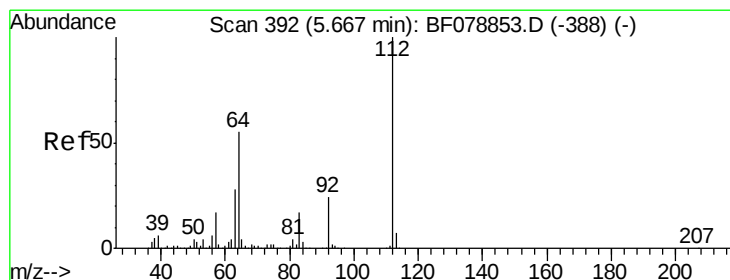
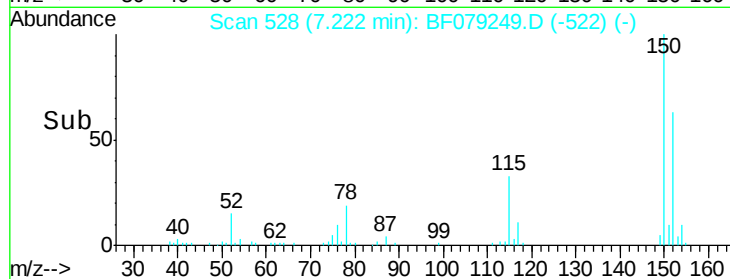
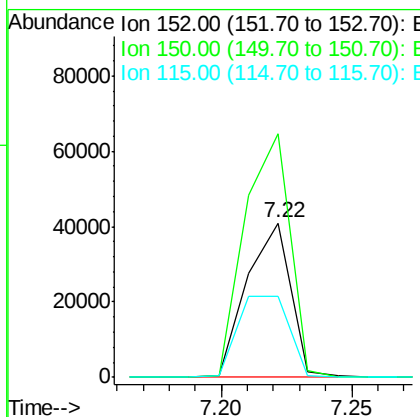
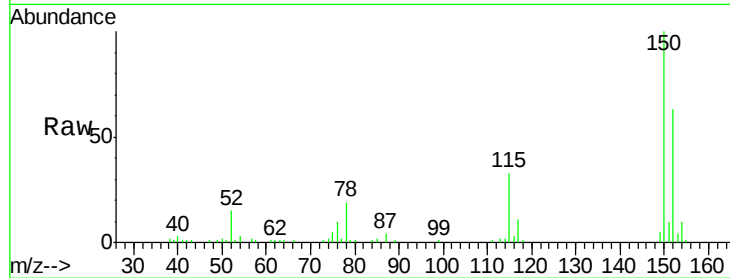




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.22 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

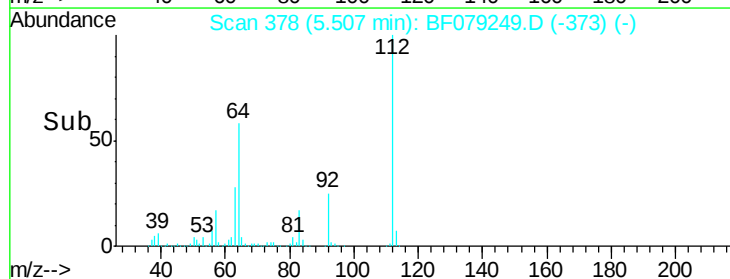
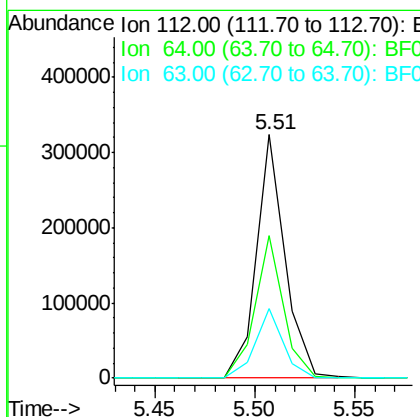
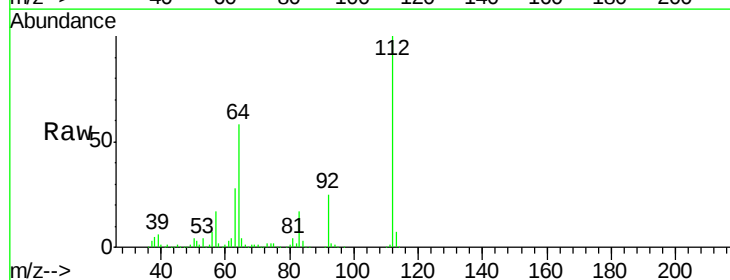
Instrument :
 BNA_F
 ClientSampleId :
 PS-30A(3-5)

Tot Ion:	152	Resp:	48545
Ion	Ratio	Lower	Upper
152	100		
150	158.0	123.8	185.8
115	52.2	49.4	74.0



#5
 2-Fluorophenol
 Concen: 115.51 ng m
 RT: 5.51 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

Tgt Ion:	112	Resp:	325756
Ion	Ratio	Lower	Upper
112	100		
64	58.4	44.2	66.2
63	28.4	22.7	34.1





#7

Phenol-d6

Concen: 125.45 ng

RT: 6.79 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Instrument :

BNA_F

ClientSampleId :

PS-30A(3-5)

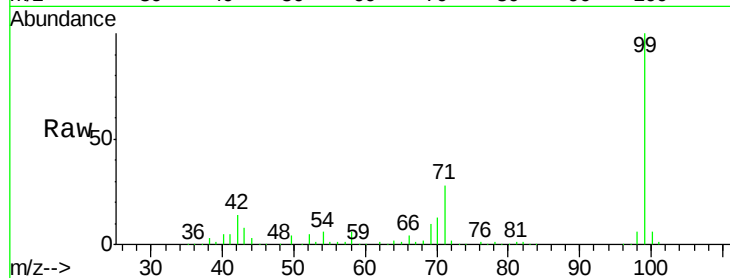
Tot Ion: 99 Resp: 467657

Ion Ratio Lower Upper

99 100

42 14.3 17.1 25.7#

71 28.0 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)

6.79

400000

300000

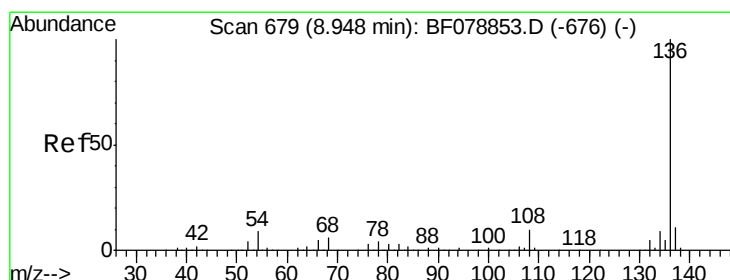
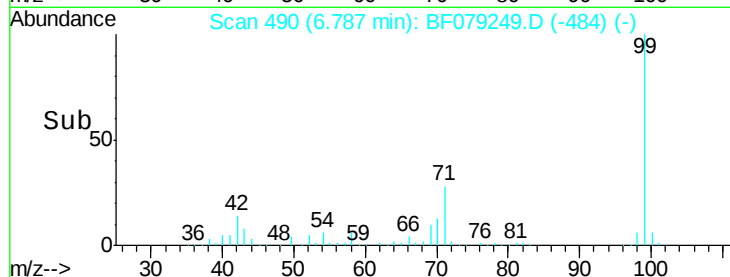
200000

100000

0

6.75 6.80

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.79 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Tgt Ion: 136 Resp: 207583

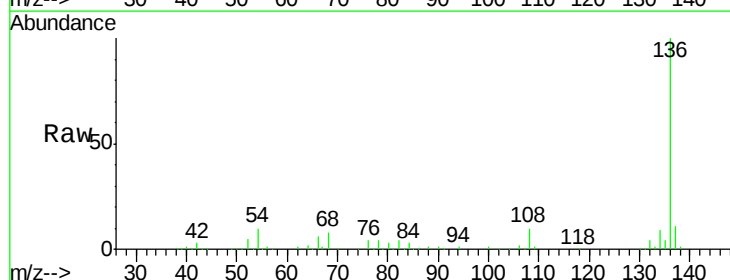
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 10.3 6.9 10.3

68 8.1 4.9 7.3#



Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

Ion 137.00 (136.70 to 137.70): BF078853.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-676) (-)

Ion 68.00 (67.70 to 68.70): BF078853.D (-676) (-)

8.79

250000

200000

150000

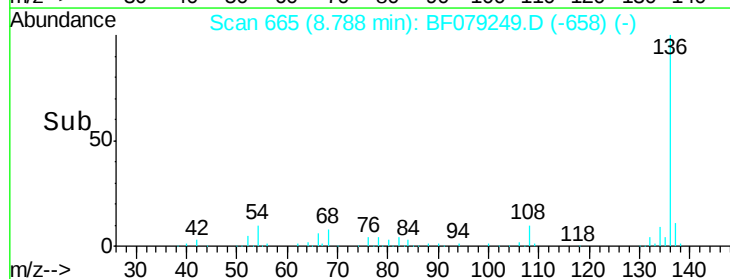
100000

50000

0

8.75 8.80 8.85

Time-->





#23

Nitrobenzene-d5

Concen: 69.17 ng

RT: 7.91 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Instrument :

BNA_F

ClientSampleId :

PS-30A(3-5)

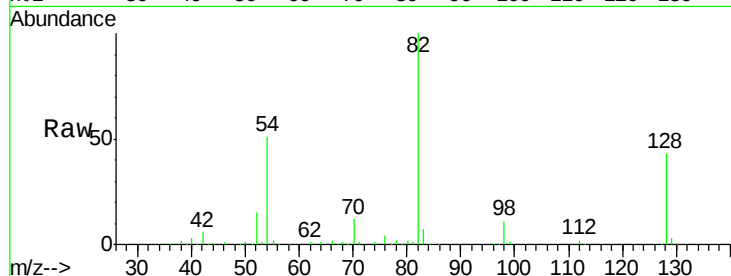
Tot Ion: 82 Resp: 249820

Ion Ratio Lower Upper

82 100

128 42.8 29.7 44.5

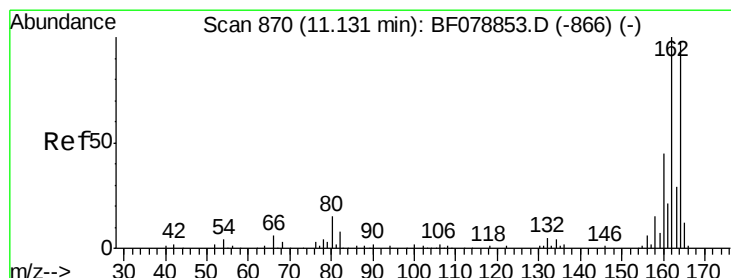
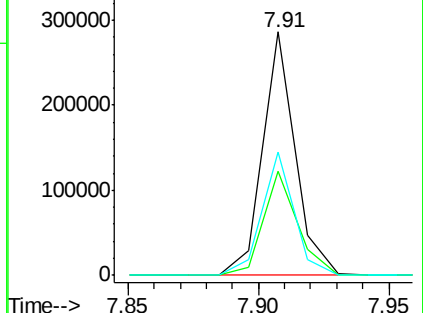
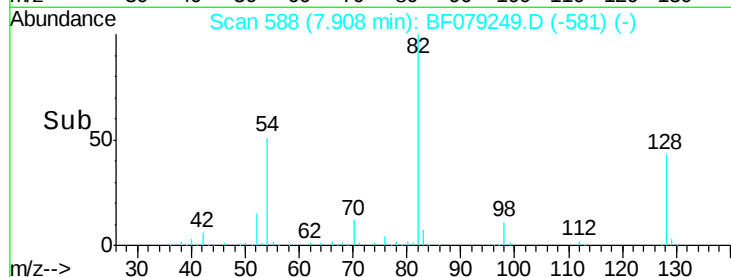
54 50.7 46.2 69.4



Abundance Ion 82.00 (81.70 to 82.70): BF079249.D (-588) (-)

Ion 128.00 (127.70 to 128.70): BF079249.D (-588) (-)

Ion 54.00 (53.70 to 54.70): BF079249.D (-588) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.97 min Scan# 856

Delta R.T. 0.00 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

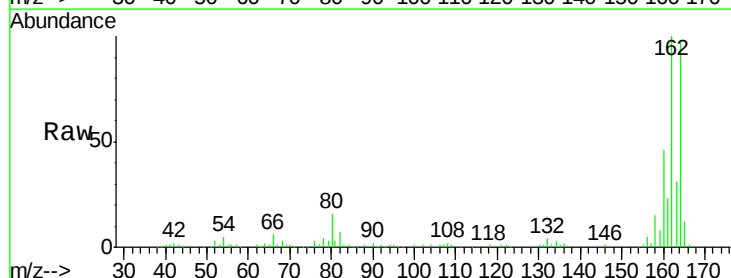
Tgt Ion: 164 Resp: 113543

Ion Ratio Lower Upper

164 100

162 102.9 81.4 122.0

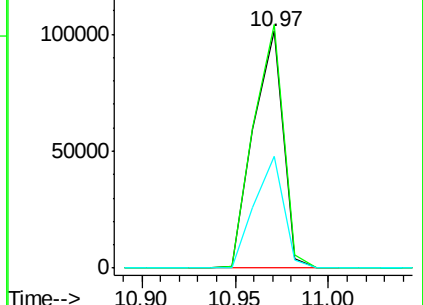
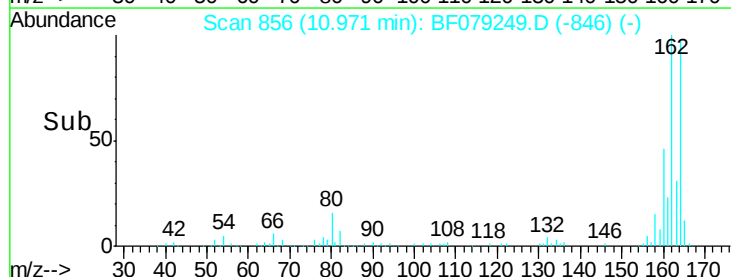
160 47.0 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): BF079249.D (-856) (-)

Ion 162.00 (161.70 to 162.70): BF079249.D (-856) (-)

Ion 160.00 (159.70 to 160.70): BF079249.D (-856) (-)

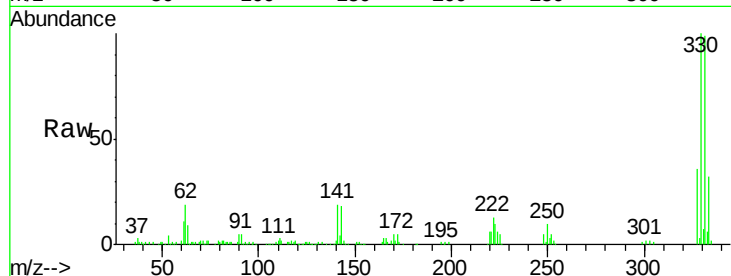




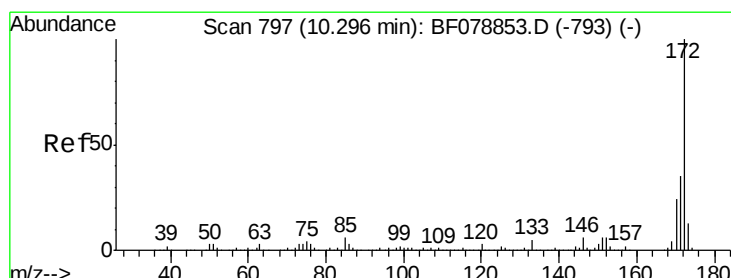
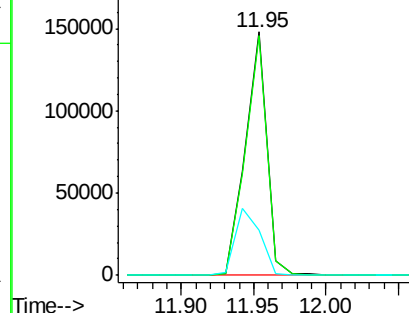
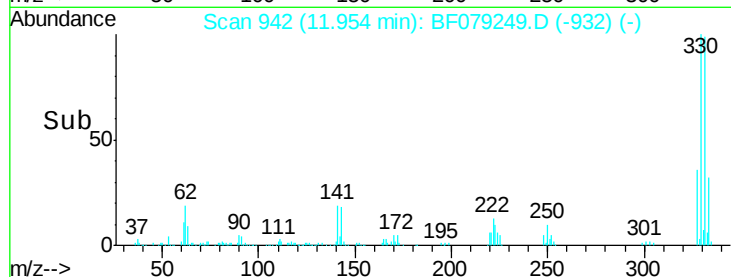
#41
 2,4,6-Tribromophenol
 Concen: 124.62 ng
 RT: 11.95 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

Instrument :
 BNA_F
 ClientSampleId :
 PS-30A(3-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.9	115.3
141	32.2	27.8	41.8

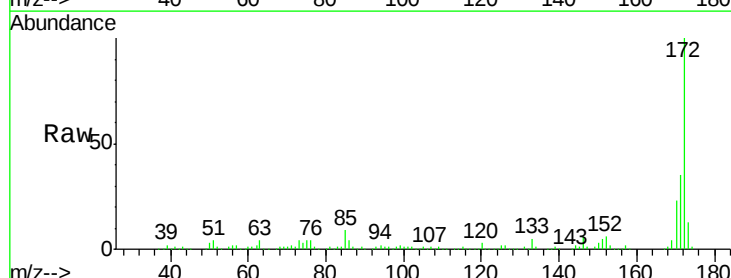


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

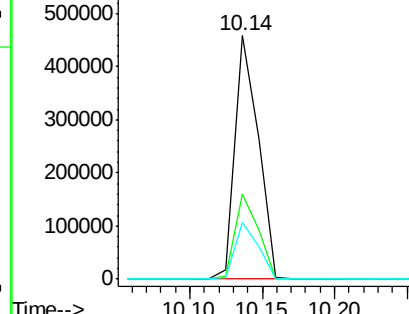
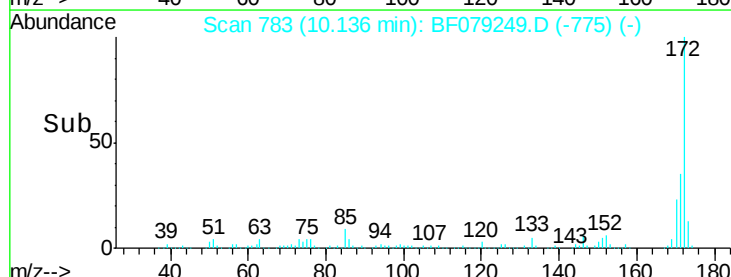


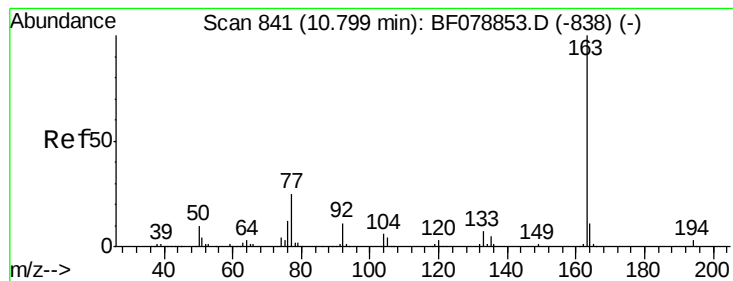
#44
 2-Fluorobiphenyl
 Concen: 62.66 ng
 RT: 10.14 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	23.2	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: 2.46 ng

RT: 10.65 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Instrument :

BNA_F

ClientSampleId :

PS-30A(3-5)

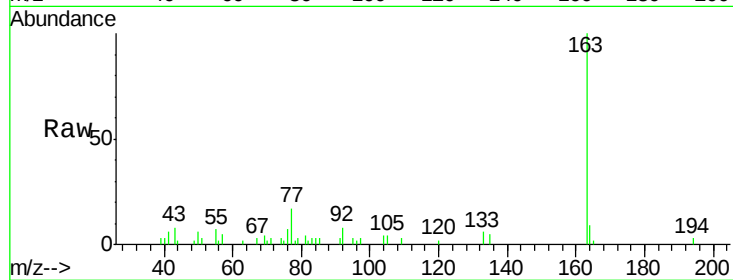
Tot Ion:163 Resp: 20520

Ion Ratio Lower Upper

163 100

194 3.4 2.4 3.6

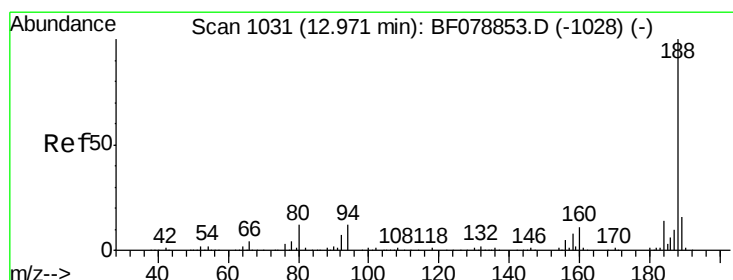
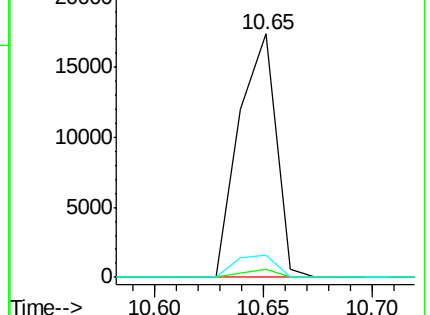
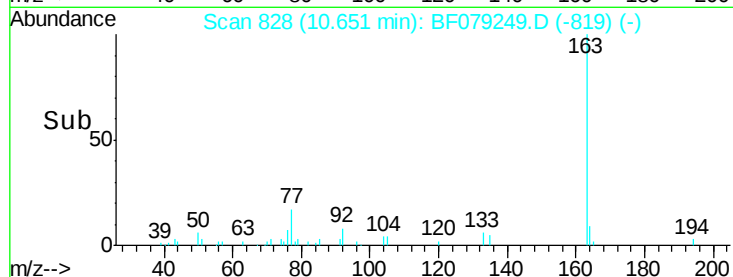
164 8.9 8.6 12.8



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# 1017

Delta R.T. 0.00 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

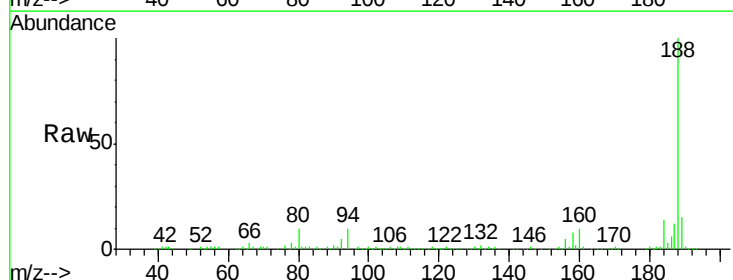
Tgt Ion:188 Resp: 223725

Ion Ratio Lower Upper

188 100

94 10.0 9.4 14.0

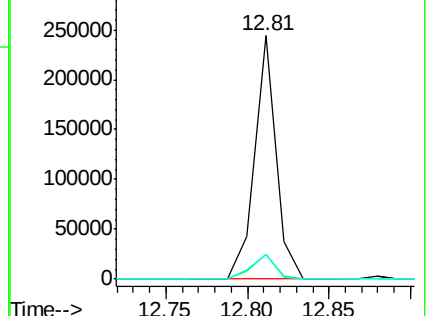
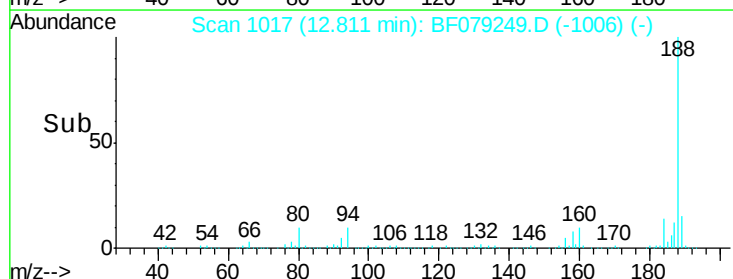
80 10.3 9.8 14.6

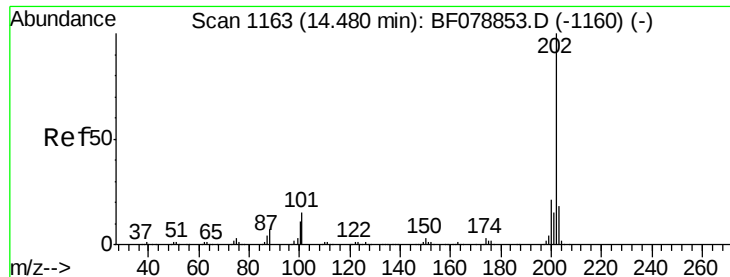


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 7.89 ng

RT: 14.32 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

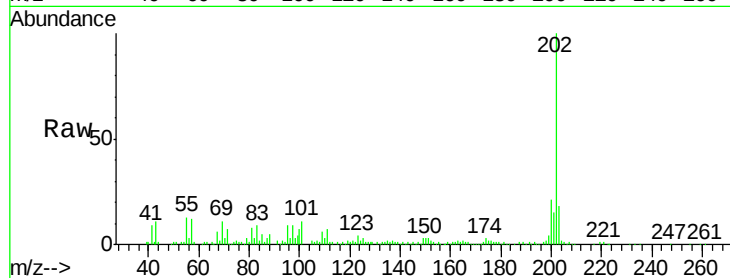
Instrument :

BNA_F

ClientSampleId :

PS-30A(3-5)

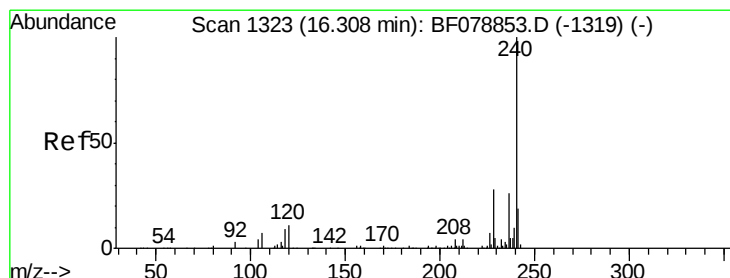
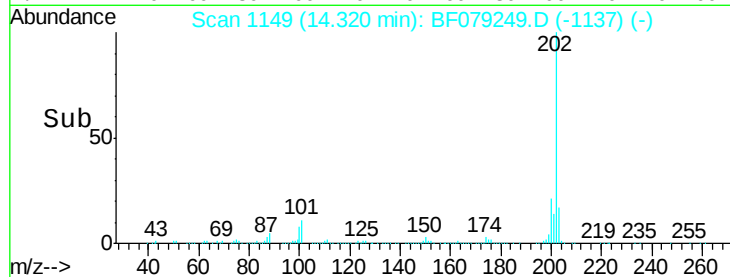
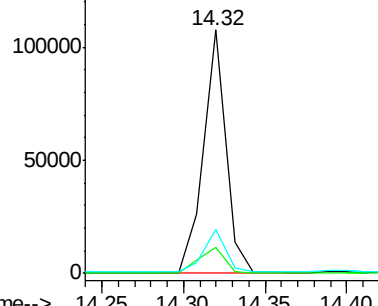
Tot Ion:	202	Resp:	102843
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.7
203	17.9	0.0	37.9



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

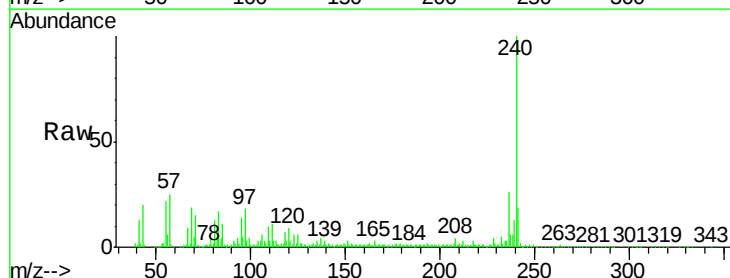
RT: 16.11 min Scan# 1306

Delta R.T. -0.13 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

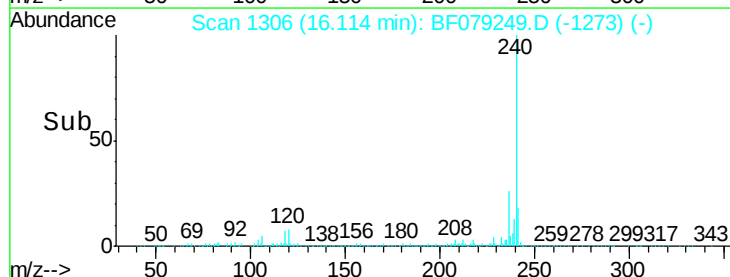
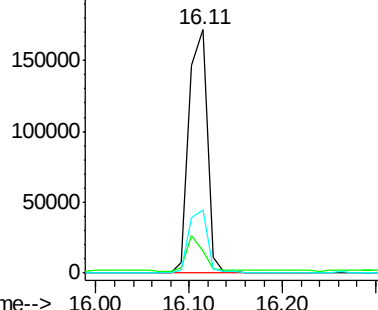
Tgt Ion:	240	Resp:	233922
Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.6	12.8
236	26.2	21.0	31.6

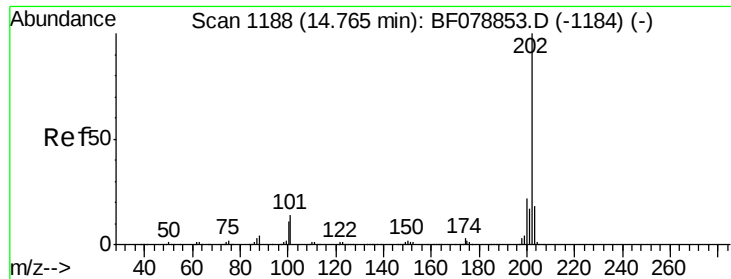


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.32 ng/mL

RT: 14.59 min Scan# 1173

Delta R.T. -0.02 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Instrument :

BNA_F

ClientSampleId :

PS-30A(3-5)

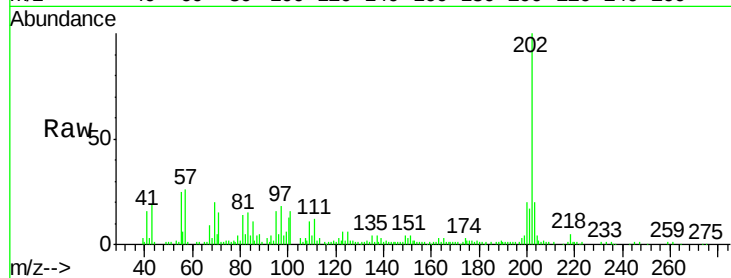
Tot Ion:202 Resp: 98669

Ion Ratio Lower Upper

202 100

200 20.3 17.5 26.3

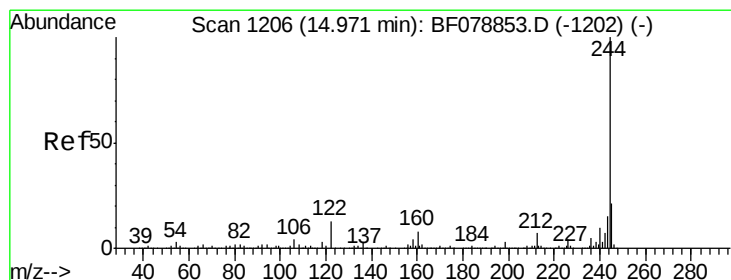
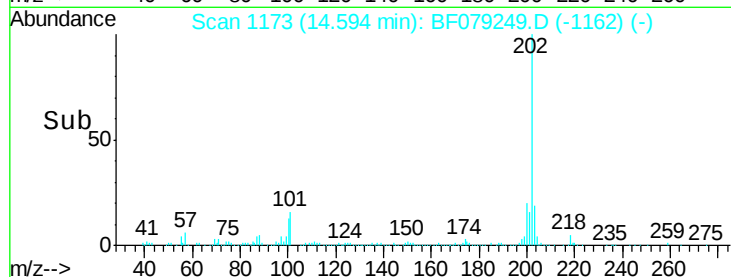
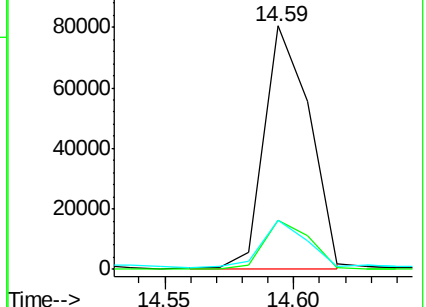
203 20.0 14.7 22.1



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: 68.03 ng/mL

RT: 14.81 min Scan# 1192

Delta R.T. -0.02 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

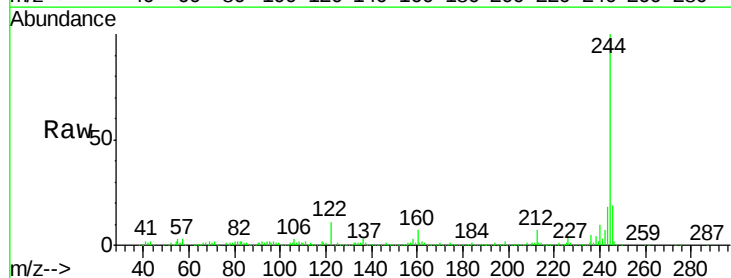
Tgt Ion:244 Resp: 664716

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

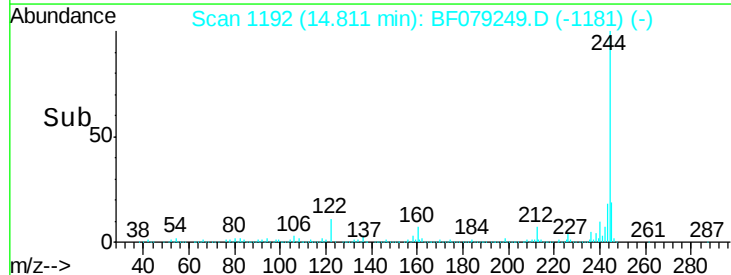
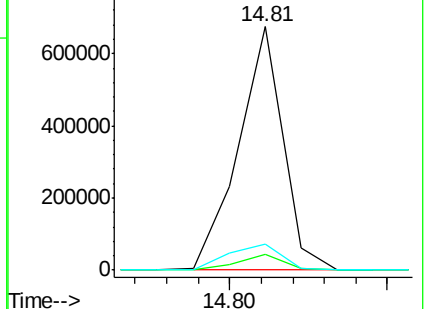
122 10.9 10.5 15.7

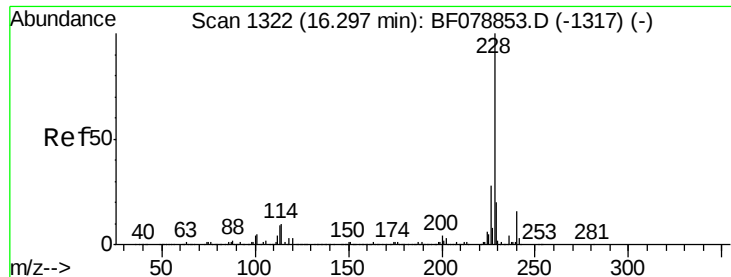


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

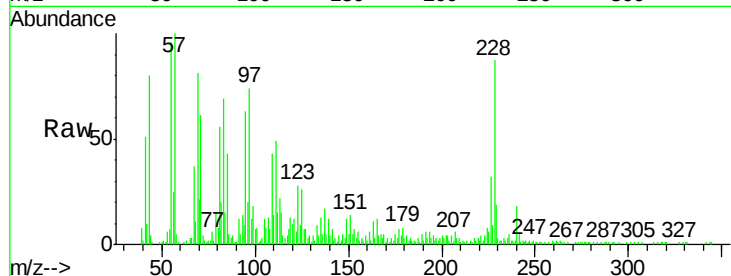




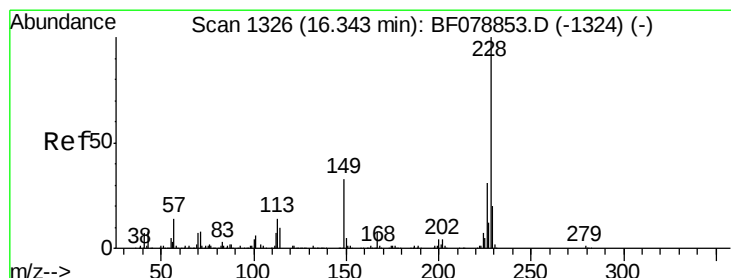
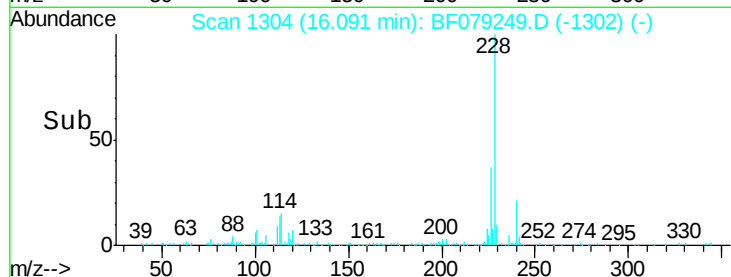
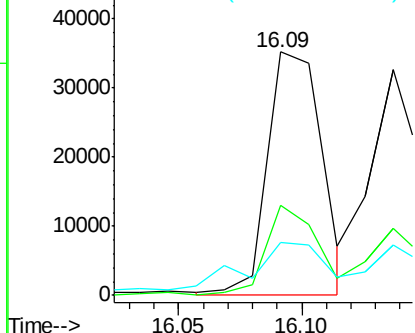
#80
Benzo(a)anthracene
Concen: 4.26 ng
RT: 16.09 min Scan# 1304
Delta R.T. -0.14 min
Lab File: BF079249.D
Acq: 14 May 2015 23:44

Instrument :
BNA_F
ClientSampleId :
PS-30A(3-5)

Tot Ion:228 Resp: 54589
Ion Ratio Lower Upper
228 100
226 37.1 22.3 33.5#
229 21.6 16.1 24.1

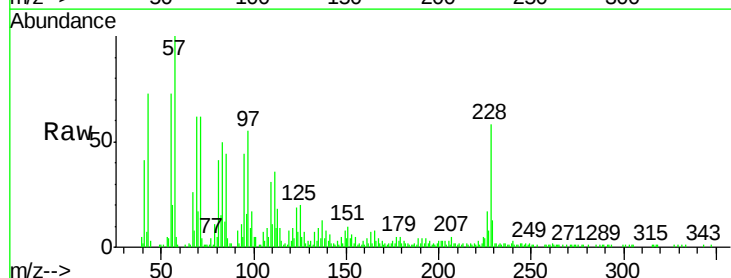


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

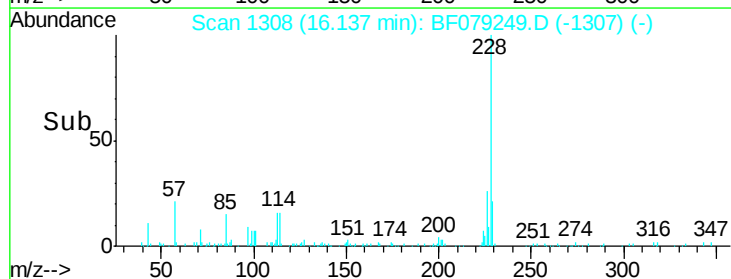
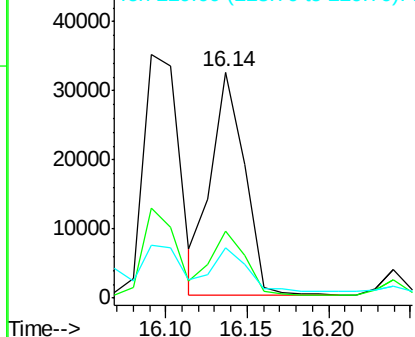


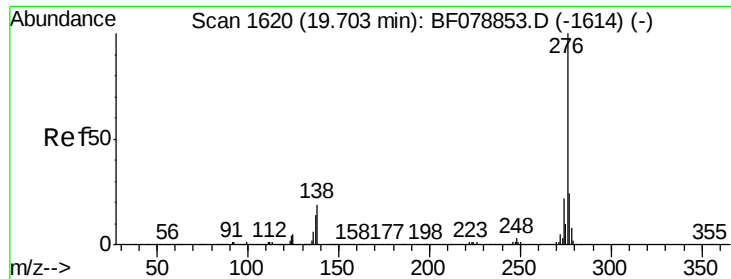
#82
Chrysene
Concen: 3.69 ng
RT: 16.14 min Scan# 1308
Delta R.T. -0.15 min
Lab File: BF079249.D
Acq: 14 May 2015 23:44

Tgt Ion:228 Resp: 45504
Ion Ratio Lower Upper
228 100
226 29.8 24.8 37.2
229 22.4 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

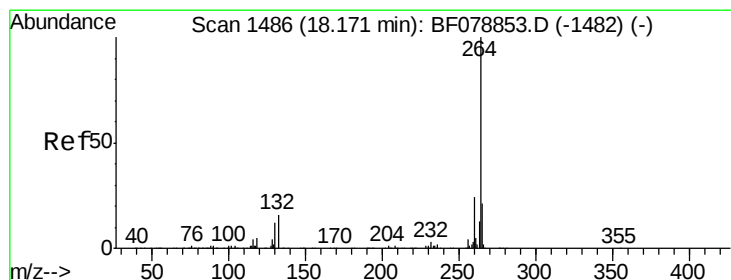
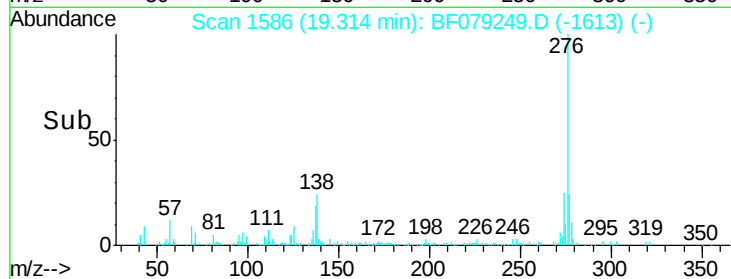
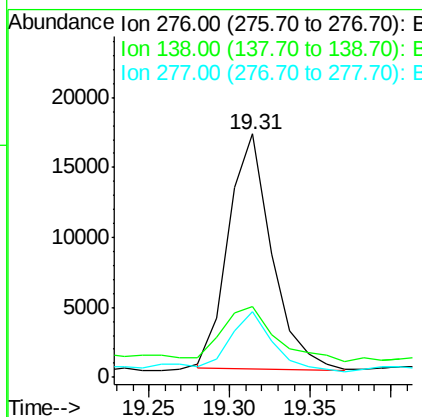
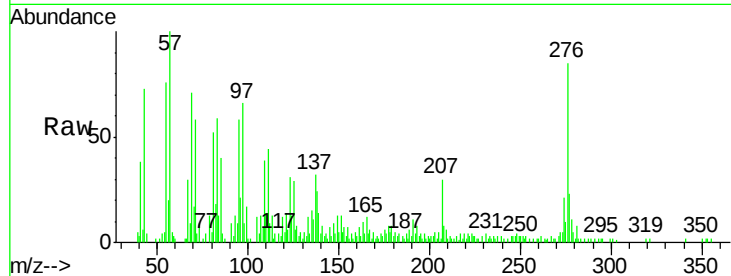




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.00 ng/mL
 RT: 19.31 min Scan# 1586
 Delta R.T. -0.51 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

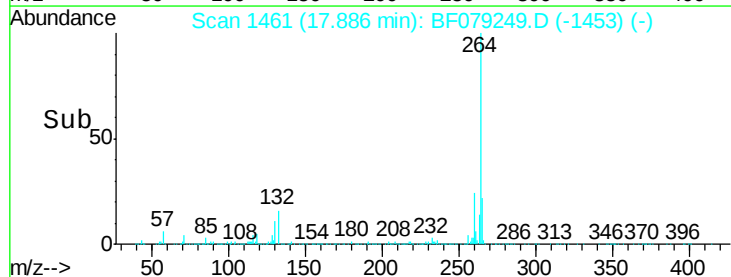
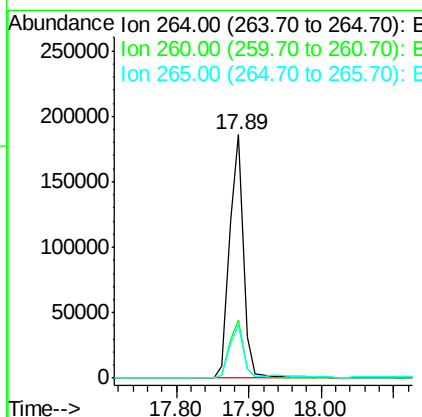
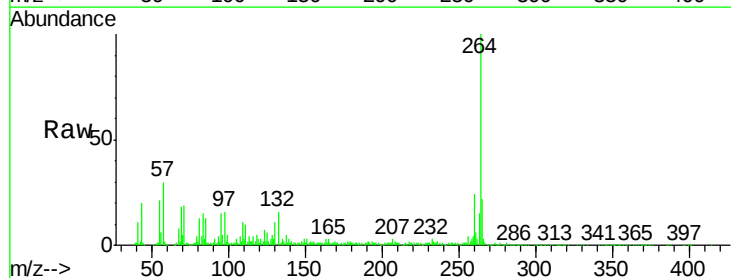
Instrument :
 BNA_F
 ClientSampleId :
 PS-30A(3-5)

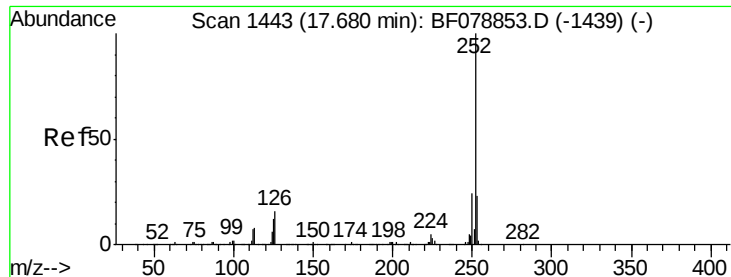
Tot Ion:	276	Resp:	31401
Ion	Ratio	Lower	Upper
276	100		
138	25.1	21.1	31.7
277	23.8	19.9	29.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.89 min Scan# 1461
 Delta R.T. -0.41 min
 Lab File: BF079249.D
 Acq: 14 May 2015 23:44

Tgt Ion:	264	Resp:	243433
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 5.47 ng m

RT: 17.43 min Scan# 1421

Delta R.T. -0.33 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Instrument :

BNA_F

ClientSampleId :

PS-30A(3-5)

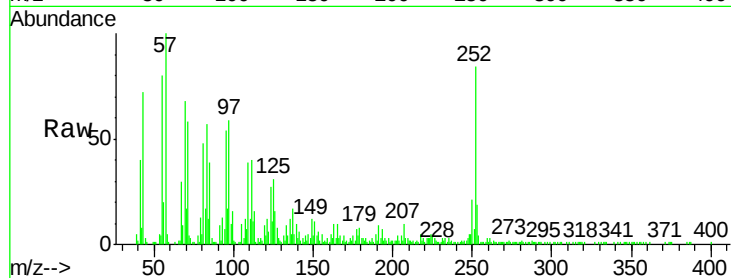
Tot Ion:252 Resp: 72903

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

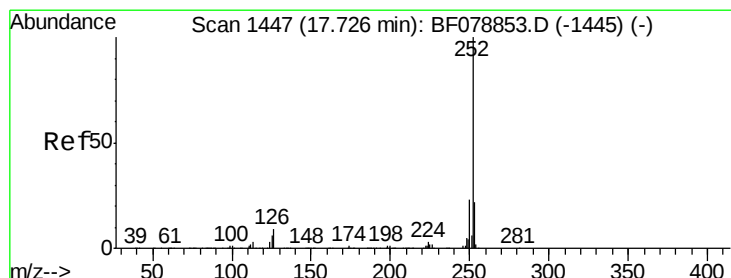
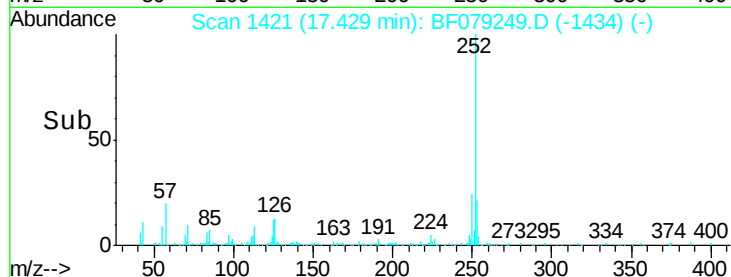
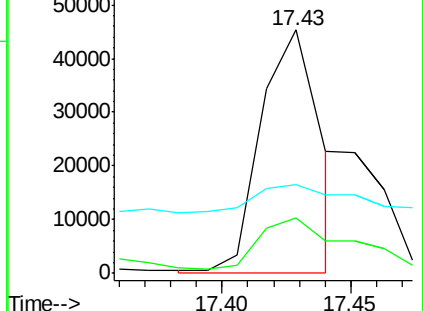
125 36.6 9.4 14.2#



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: 2.24 ng m

RT: 17.44 min Scan# 1422

Delta R.T. -0.35 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

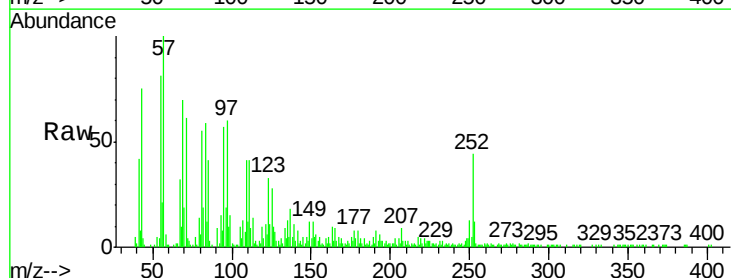
Tgt Ion:252 Resp: 28858

Ion Ratio Lower Upper

252 100

253 26.9 17.4 26.0#

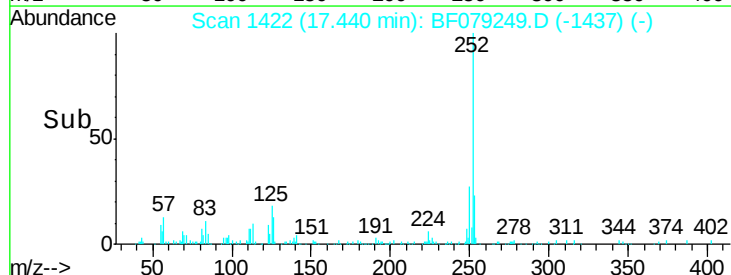
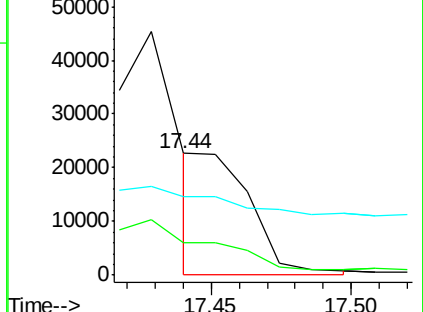
125 64.7 6.1 9.1#

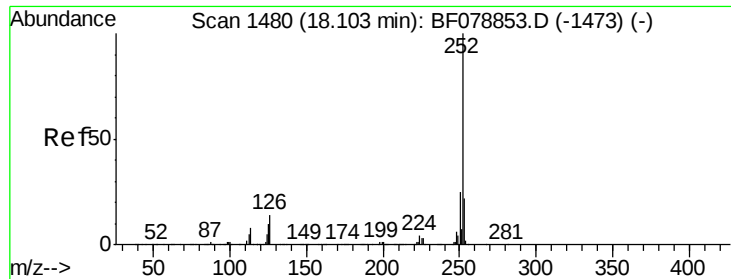


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.10 ng

RT: 17.82 min Scan# 1455

Delta R.T. -0.40 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

Instrument :

BNA_F

ClientSampleId :

PS-30A(3-5)

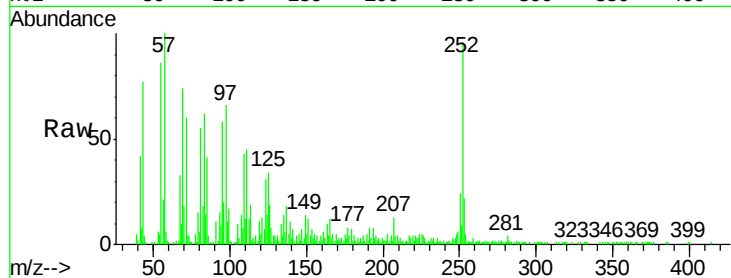
Tot Ion:252 Resp: 50284

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

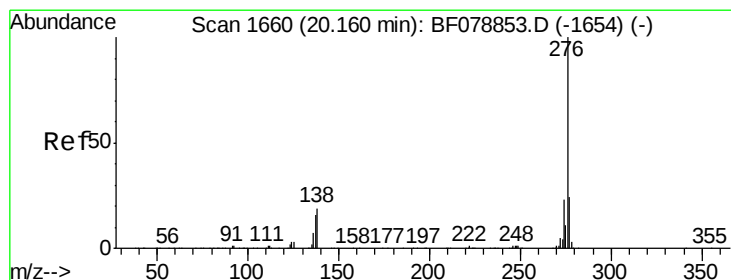
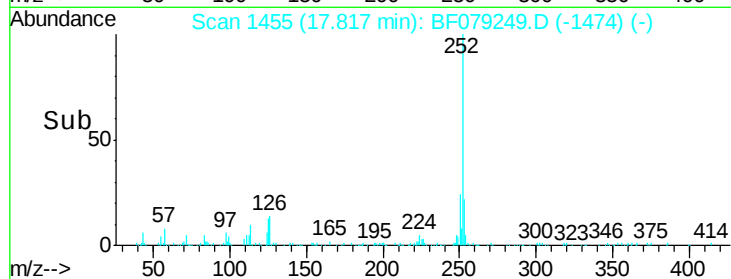
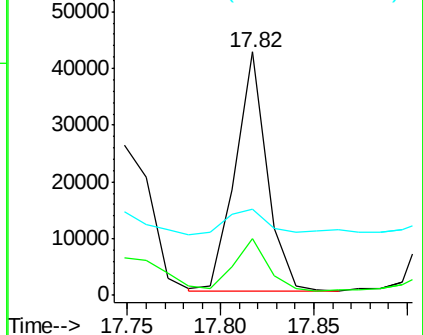
125 35.2 8.2 12.2#



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



#91

Benzo(g,h,i)perylene

Concen: 2.39 ng m

RT: 19.74 min Scan# 1623

Delta R.T. -0.53 min

Lab File: BF079249.D

Acq: 14 May 2015 23:44

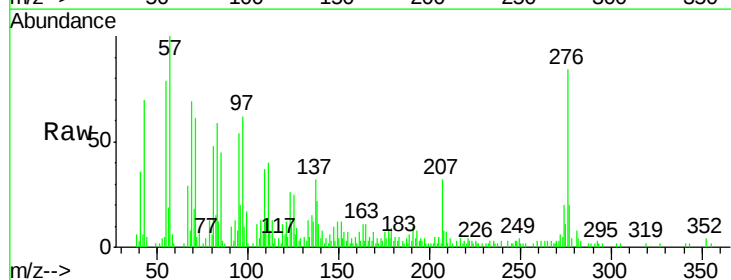
Tgt Ion:276 Resp: 31222

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 26.1 15.2 22.8#



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

