

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
 Data File : BF093002.D
 Acq On : 17 Feb 2017 1:00
 Operator : SJ/MA
 Sample : I1875-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-30-20170215

Quant Time: Feb 17 03:52:38 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 16 23:55:37 2017
 Response via : Initial Calibration

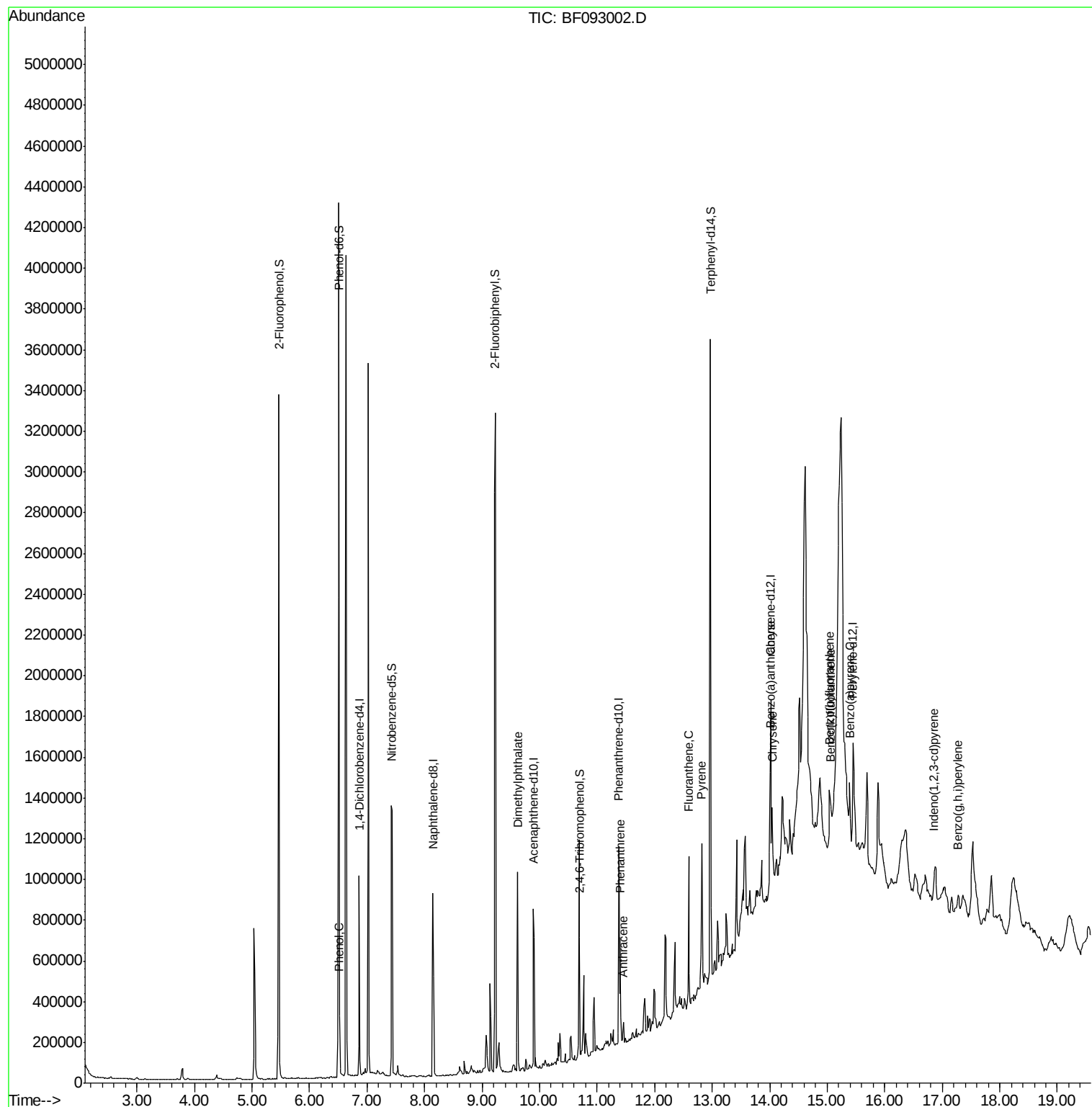
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	138855	20.00	ng	0.01
21) Naphthalene-d8	8.14	136	482360	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	237447	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	352553	20.00	ng	0.00
75) Chrysene-d12	14.02	240	307891	20.00	ng	0.00
86) Perylene-d12	15.45	264	250594	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1224231	151.26	ng	0.02
7) Phenol-d6	6.51	99	1450654	139.30	ng	0.01
23) Nitrobenzene-d5	7.42	82	650507	75.10	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	148356	86.39	ng	0.01
44) 2-Fluorobiphenyl	9.23	172	1543471	117.76	ng	0.01
78) Terphenyl-d14	12.97	244	1035499	79.02	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.52	94	31227	2.56	ng	# 73
49) Dimethylphthalate	9.62	163	358629	22.42	ng	99
70) Phenanthrene	11.40	178	196723	9.74	ng	97
71) Anthracene	11.46	178	48659	2.40	ng	97
74) Fluoranthene	12.59	202	291536	13.99	ng	98
77) Pyrene	12.82	202	287020	12.46	ng	98
80) Benzo(a)anthracene	14.01	228	132661m	7.04	ng	
82) Chrysene	14.04	228	130065m	7.38	ng	
85) Indeno(1,2,3-cd)pyrene	16.85	276	64714	4.74	ng	97
87) Benzo(b)fluoranthene	15.04	252	170801m	10.36	ng	
88) Benzo(k)fluoranthene	15.06	252	28582m	2.01	ng	
89) Benzo(a)pyrene	15.39	252	102457	7.18	ng	# 89
91) Benzo(g,h,i)perylene	17.28	276	59722	5.13	ng	# 81

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. 0.01 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

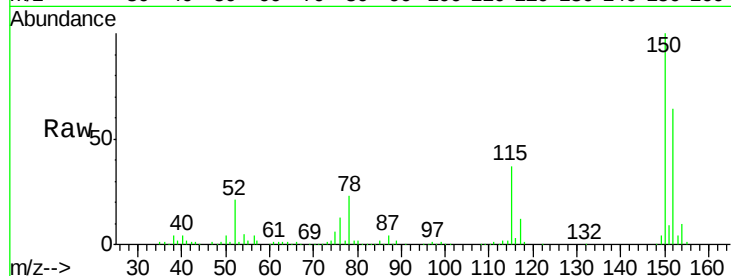
Tgt Ion:152 Resp: 138855

Ion Ratio Lower Upper

152 100

150 156.5 124.9 187.3

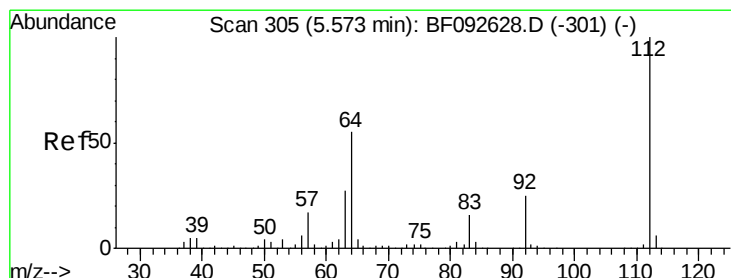
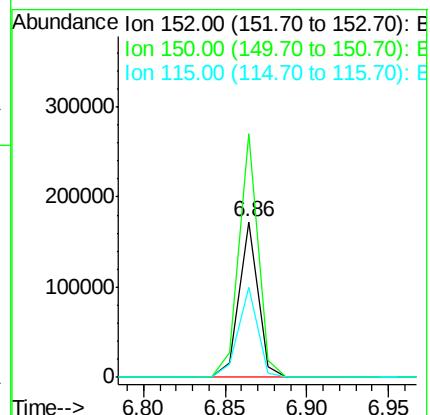
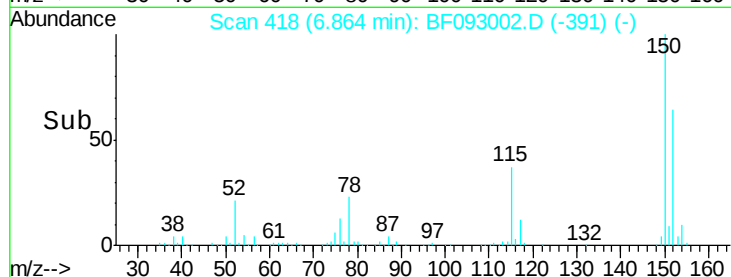
115 58.1 46.0 69.0



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: 151.26 ng

RT: 5.47 min Scan# 296

Delta R.T. 0.02 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

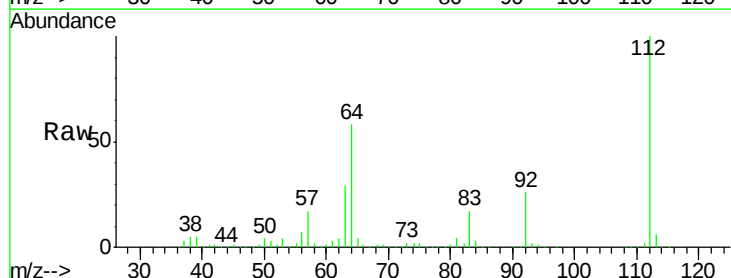
Tgt Ion:112 Resp: 1224231

Ion Ratio Lower Upper

112 100

64 57.9 46.1 69.1

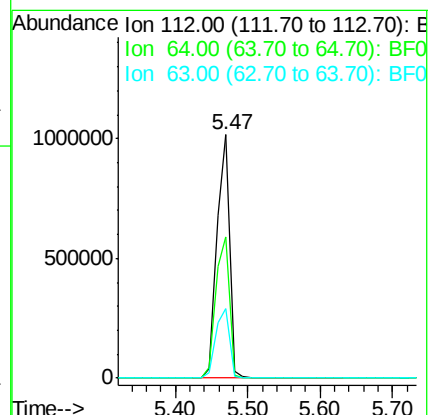
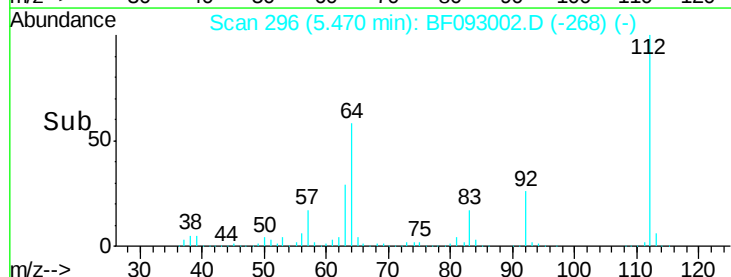
63 28.7 23.8 35.6



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: 139.30 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.01 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

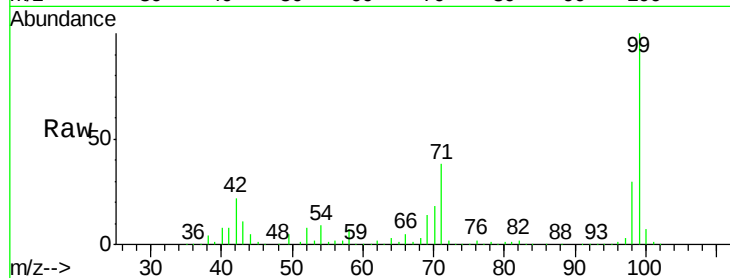
Tgt Ion: 99 Resp: 1450654

Ion Ratio Lower Upper

99 100

42 21.5 15.6 23.4

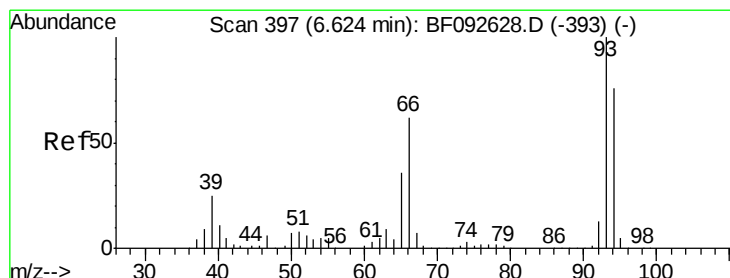
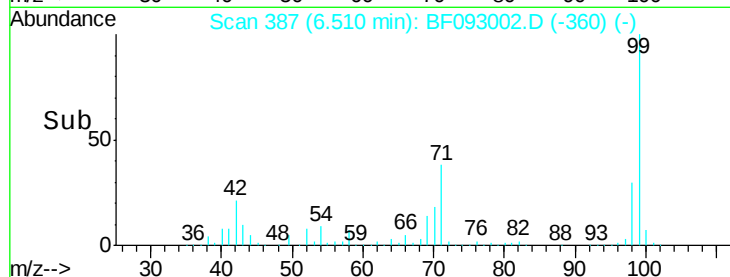
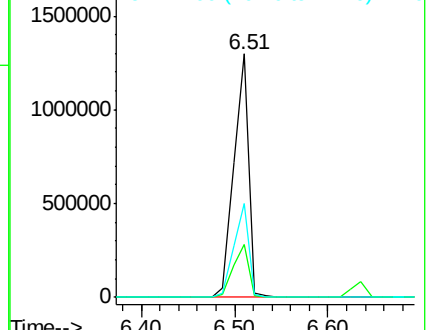
71 38.4 27.5 41.3



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



#10

Phenol

Concen: 2.56 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

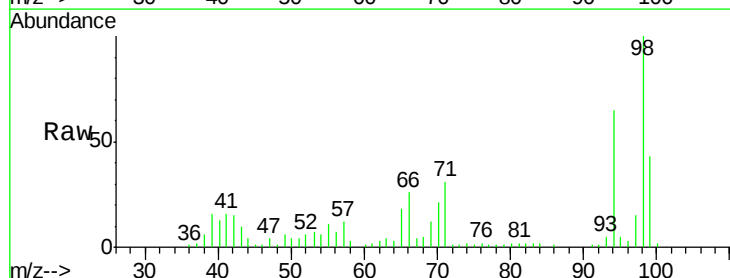
Tgt Ion: 94 Resp: 31227

Ion Ratio Lower Upper

94 100

65 27.8 21.4 61.4

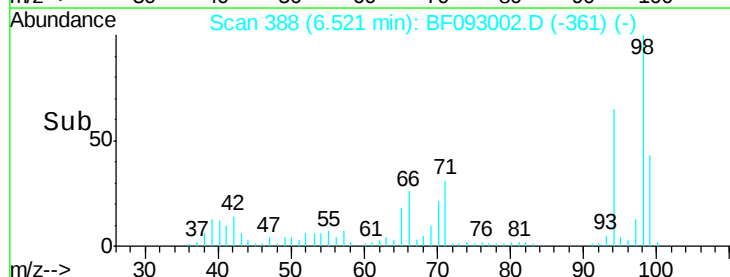
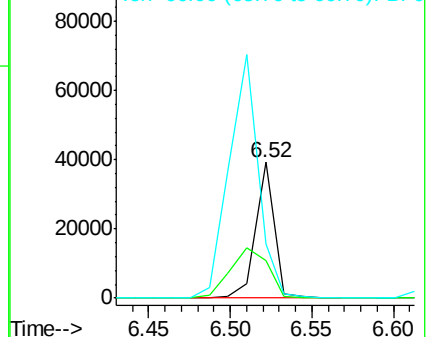
66 39.7 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

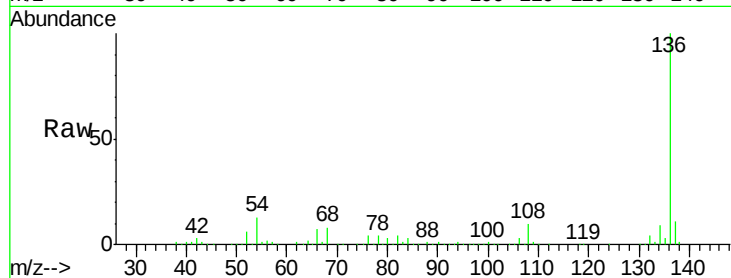




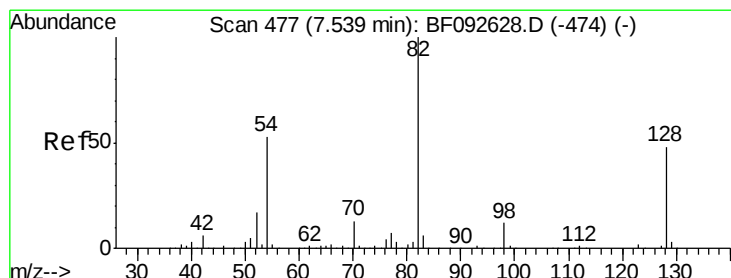
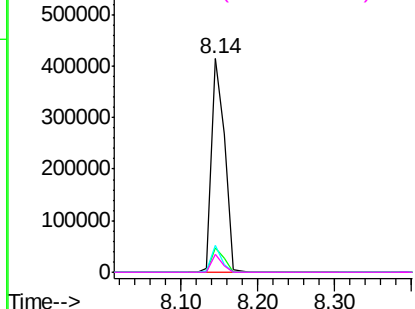
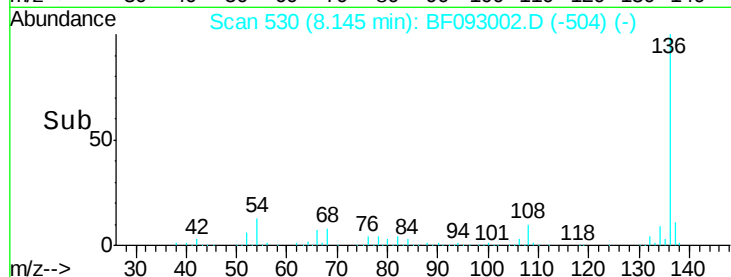
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.00 min
Lab File: BF093002.D
Acq: 17 Feb 2017 1:00

Instrument :
BNA_F
ClientSampleId :
POSTEX-30-20170215

Tgt Ion:	136	Resp:	482360
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.4	12.6
54	12.8	4.5	6.7#
68	8.3	3.6	5.4#

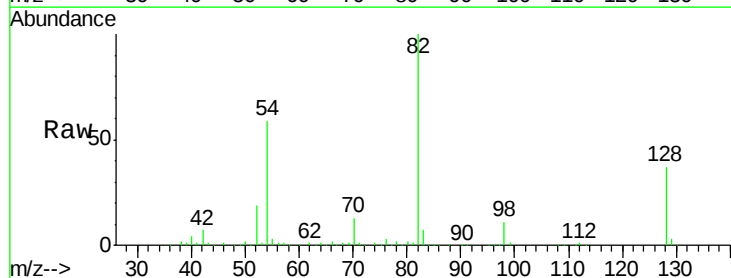


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

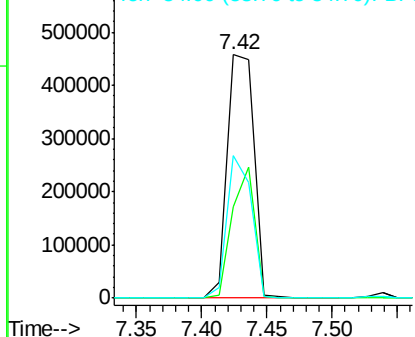
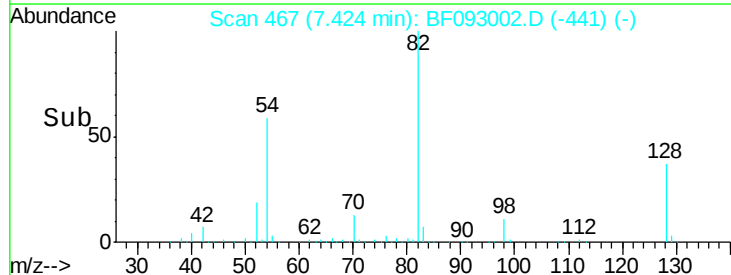


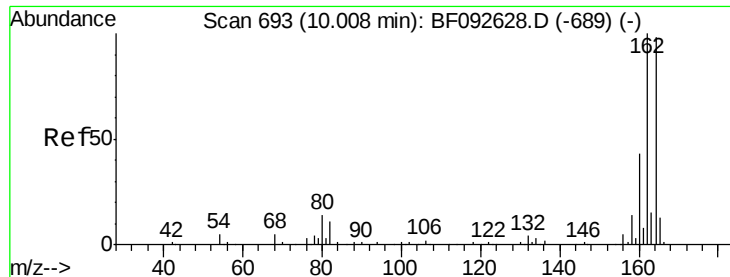
#23
Nitrobenzene-d5
Concen: 75.10 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.00 min
Lab File: BF093002.D
Acq: 17 Feb 2017 1:00

Tgt Ion:	82	Resp:	650507
Ion Ratio	Lower	Upper	
82	100		
128	37.5	34.6	52.0
54	58.7	39.5	59.3



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

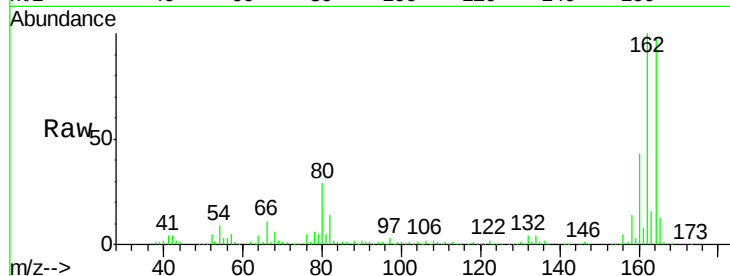




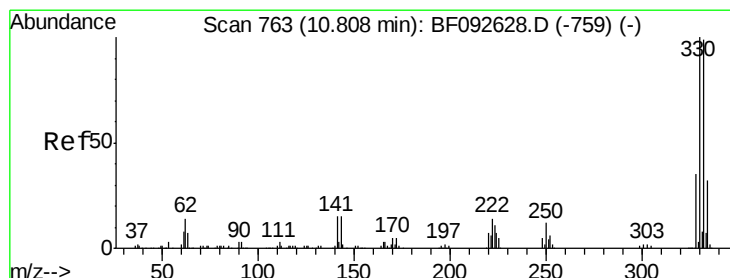
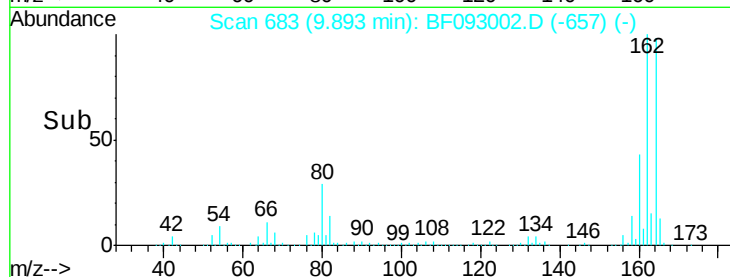
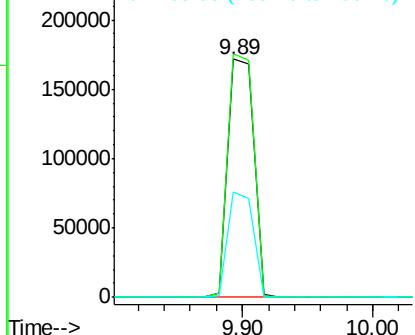
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: BF093002.D
 Acq: 17 Feb 2017 1:00

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-30-20170215

Tgt Ion:164 Resp: 237447
 Ion Ratio Lower Upper
 164 100
 162 102.4 80.2 120.2
 160 44.4 36.9 55.3

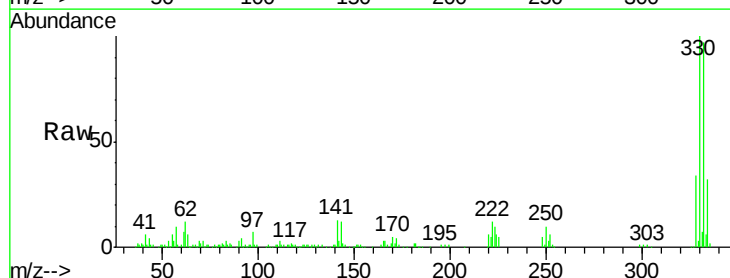


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

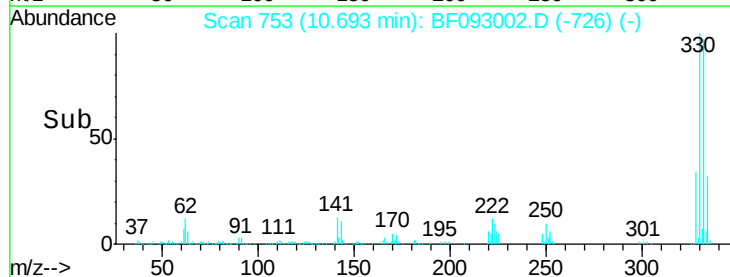
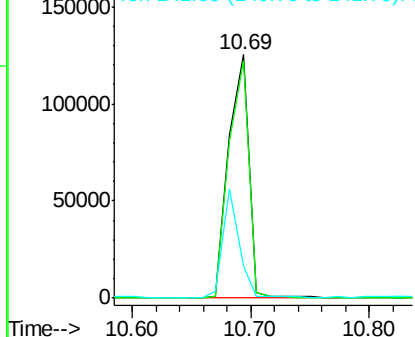


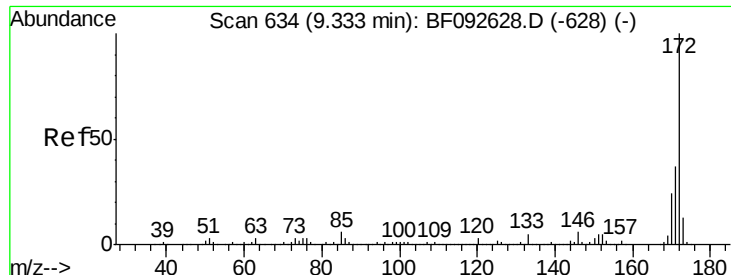
#41
 2,4,6-Tribromophenol
 Concen: 86.39 ng
 RT: 10.69 min Scan# 753
 Delta R.T. 0.01 min
 Lab File: BF093002.D
 Acq: 17 Feb 2017 1:00

Tgt Ion:330 Resp: 148356
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.2
 141 35.2 34.1 51.1



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

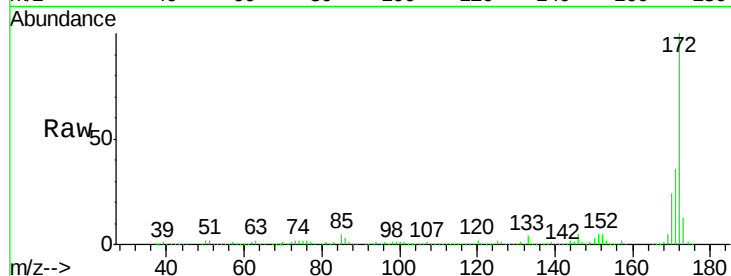




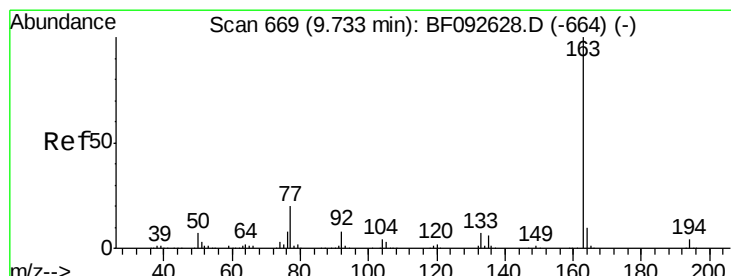
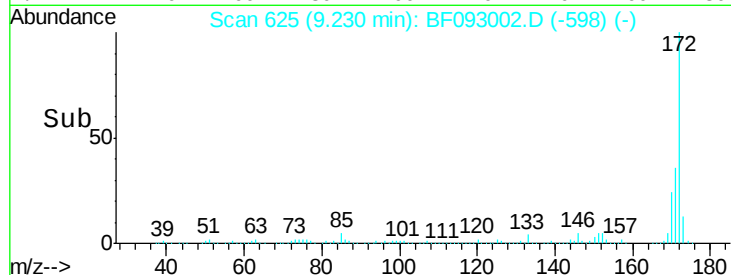
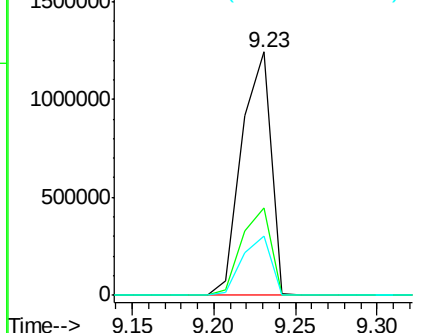
#44
 2-Fluorobiphenyl
 Concen: 117.76 ng
 RT: 9.23 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: BF093002.D
 Acq: 17 Feb 2017 1:00

Instrument :
 BNA_F
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 POSTEX-30-20170215

Tgt Ion:172 Resp: 1543471
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.3 20.2 30.4

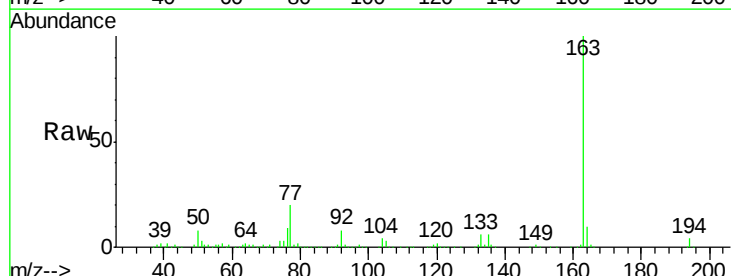


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

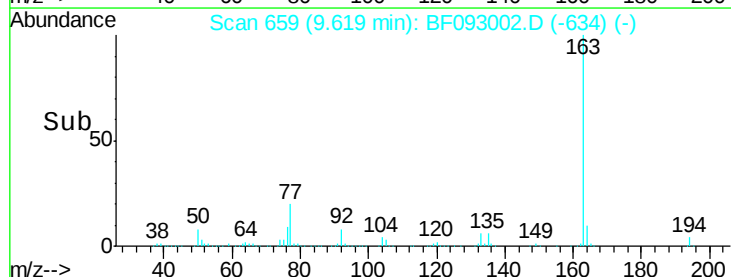
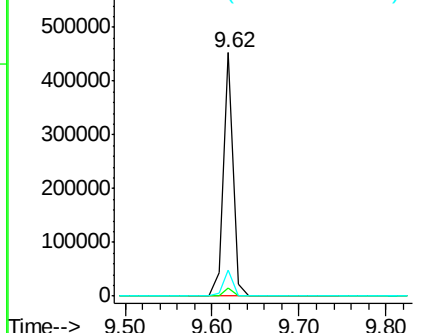


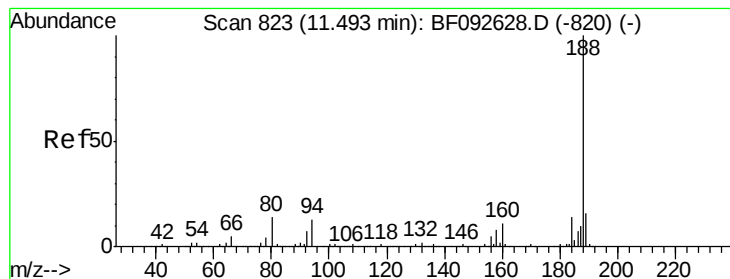
#49
 Dimethylphthalate
 Concen: 22.42 ng
 RT: 9.62 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: BF093002.D
 Acq: 17 Feb 2017 1:00

Tgt Ion:163 Resp: 358629
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.0 4.4
 164 10.4 8.0 12.0



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: 11.38 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

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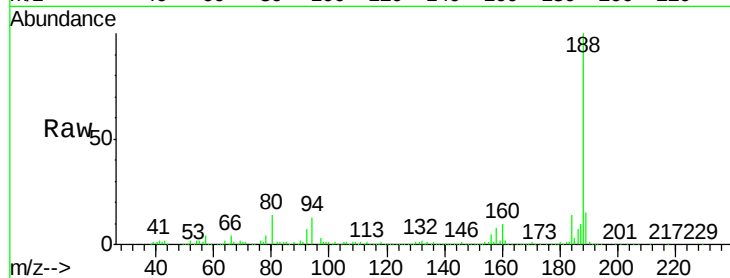
Tgt Ion:188 Resp: 352553

Ion Ratio Lower Upper

188 100

94 12.7 10.0 15.0

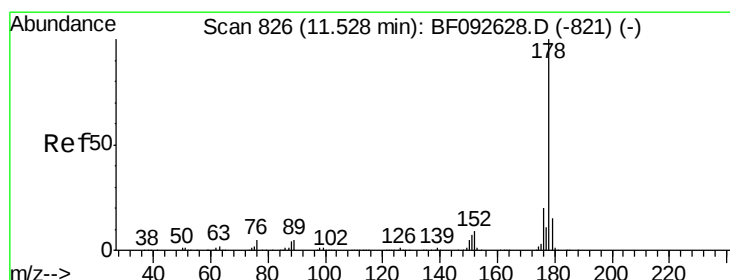
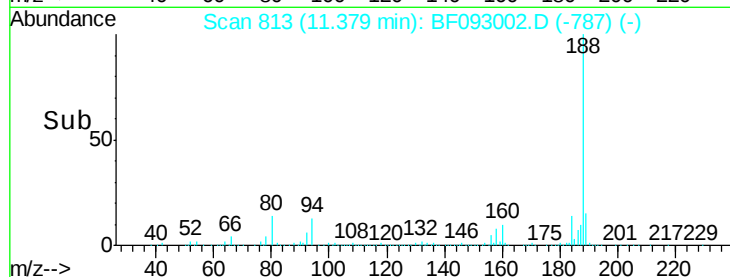
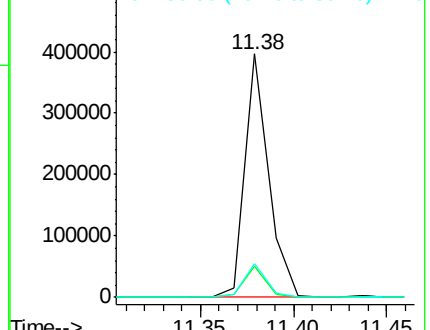
80 13.6 11.2 16.8



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: 9.74 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

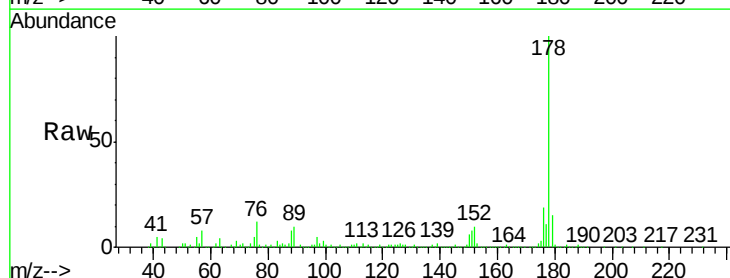
Tgt Ion:178 Resp: 196723

Ion Ratio Lower Upper

178 100

176 19.2 16.6 25.0

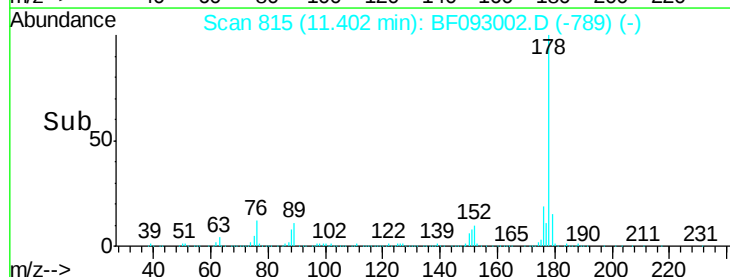
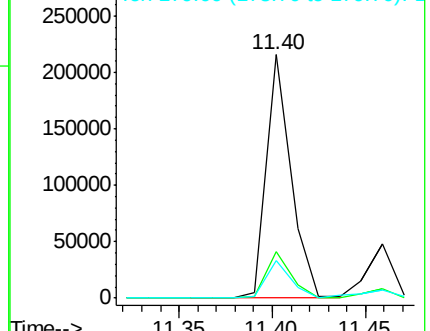
179 15.3 12.8 19.2

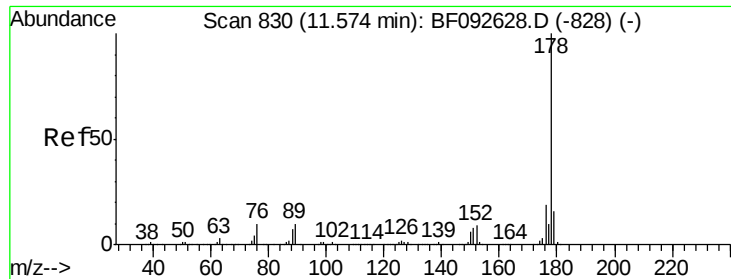


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

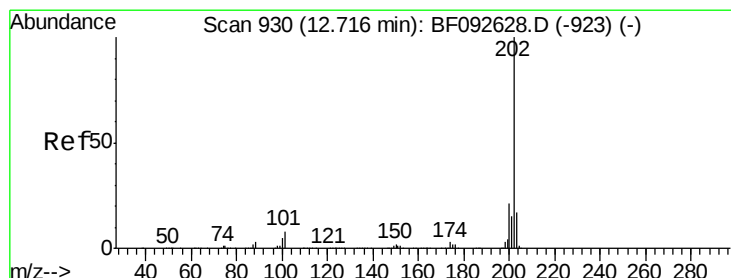
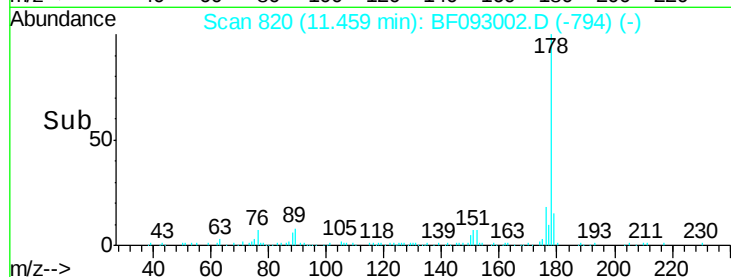
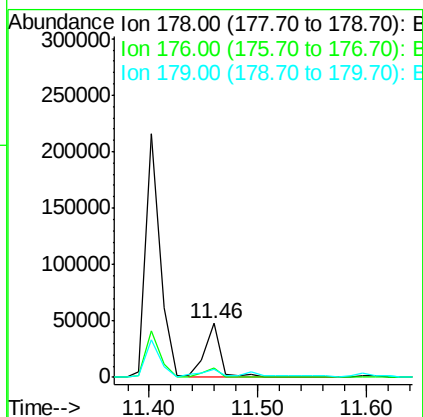
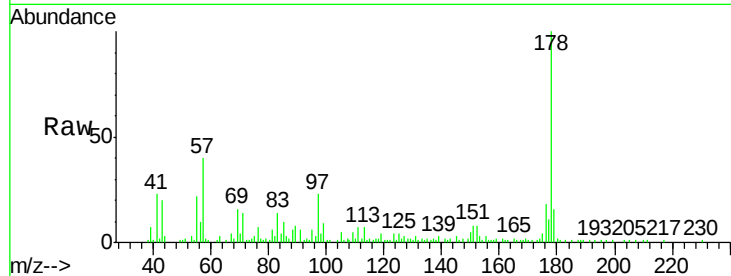




#71
 Anthracene
 Concen: 2.40 ng
 RT: 11.46 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BF093002.D
 Acq: 17 Feb 2017 1:00

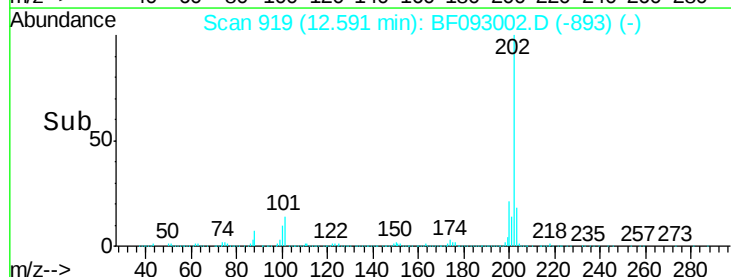
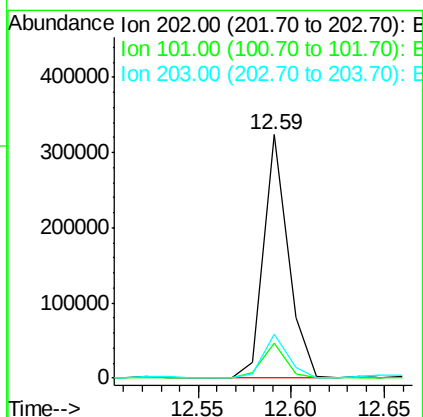
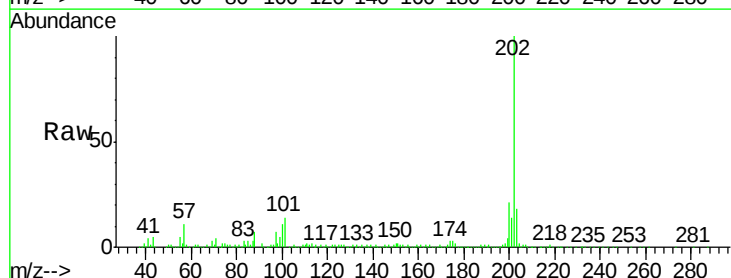
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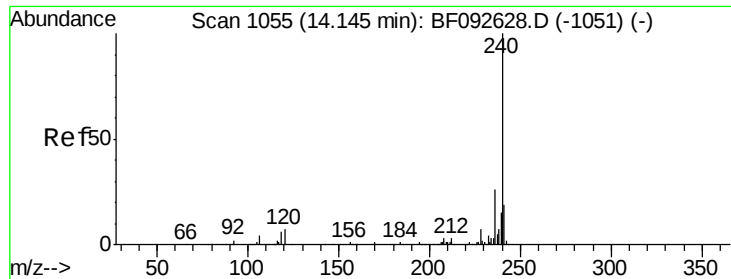
Tgt Ion:178 Resp: 48659
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.9 23.9
 179 15.5 13.2 19.8



#74
 Fluoranthene
 Concen: 13.99 ng
 RT: 12.59 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BF093002.D
 Acq: 17 Feb 2017 1:00

Tgt Ion:202 Resp: 291536
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 34.6
 203 17.8 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

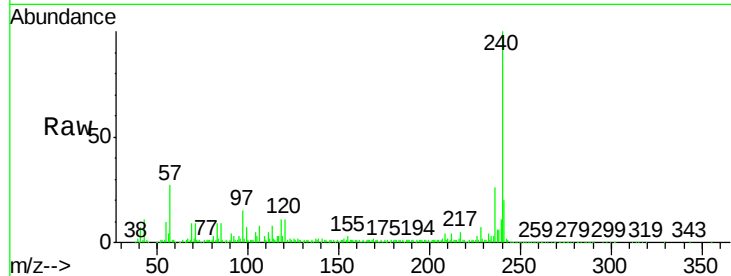
Tgt Ion:240 Resp: 307891

Ion Ratio Lower Upper

240 100

120 11.5 12.9 19.3#

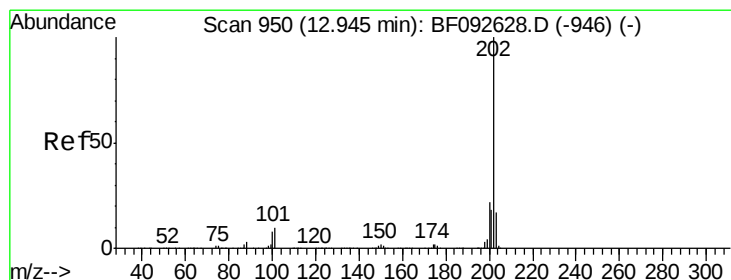
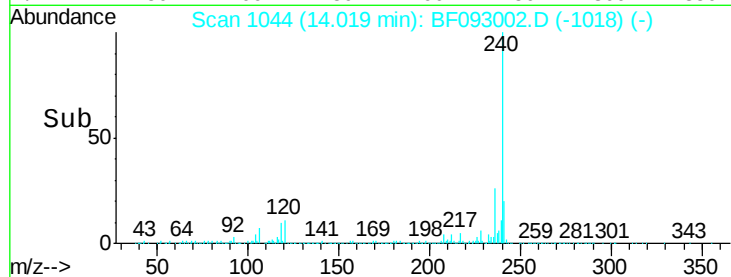
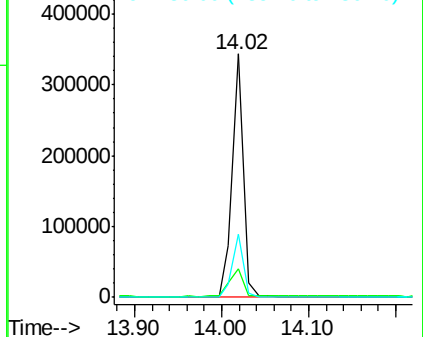
236 26.0 20.9 31.3



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: 12.46 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

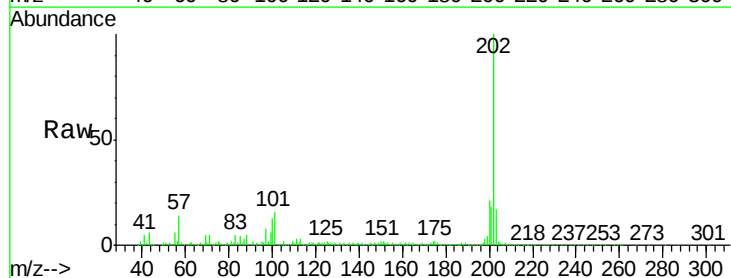
Tgt Ion:202 Resp: 287020

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

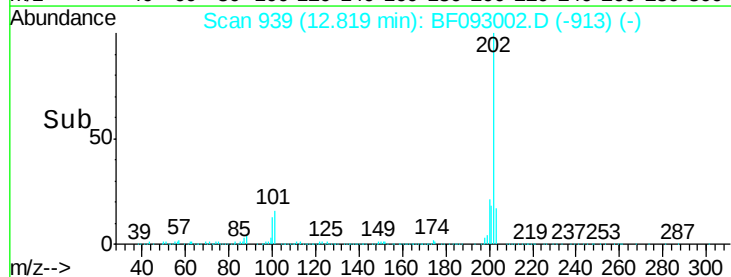
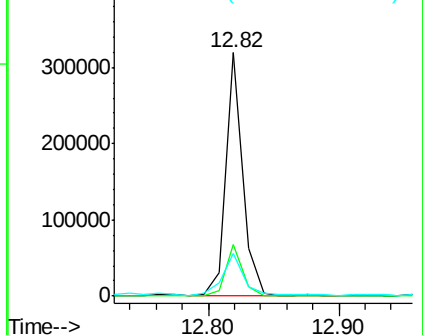
203 17.4 14.7 22.1

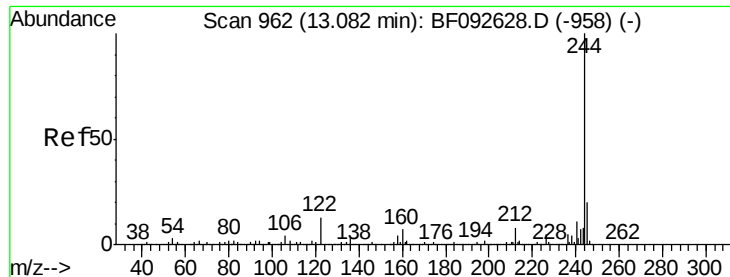


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

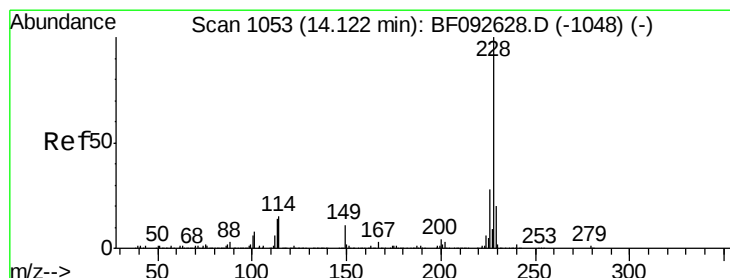
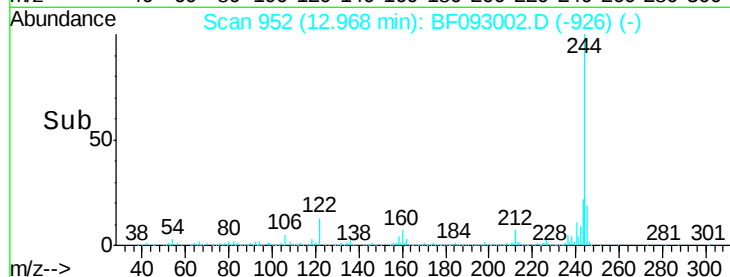
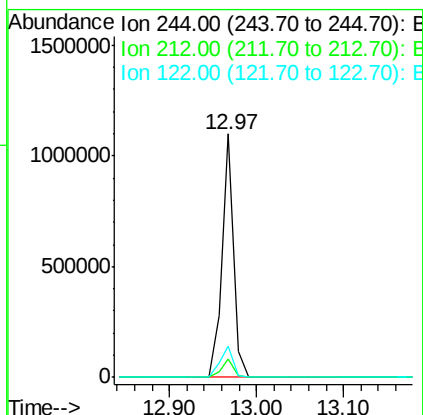
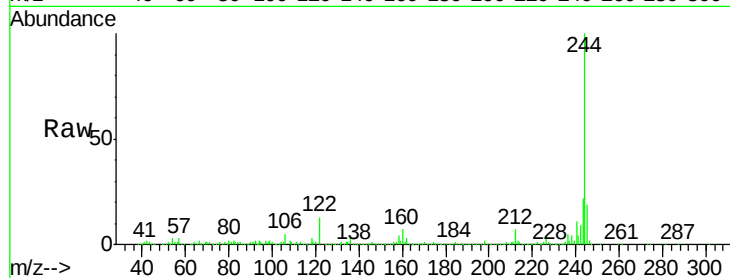




#78
 Terphenyl-d14
 Concen: 79.02 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.00 min
 Lab File: BF093002.D
 Acq: 17 Feb 2017 1:00

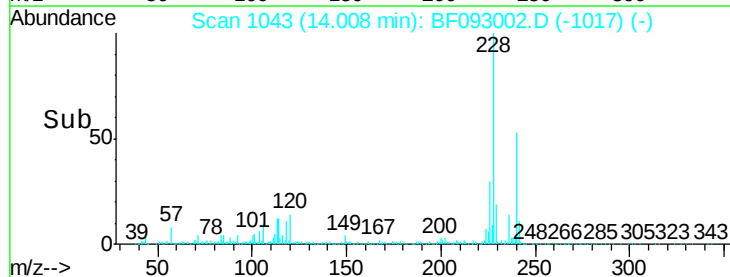
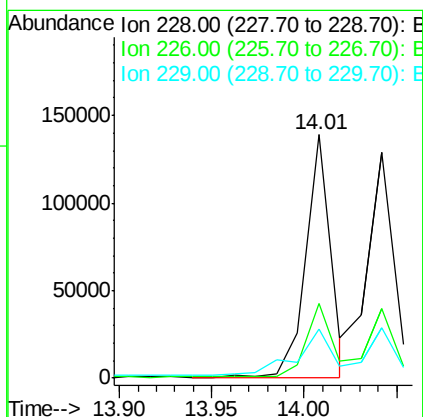
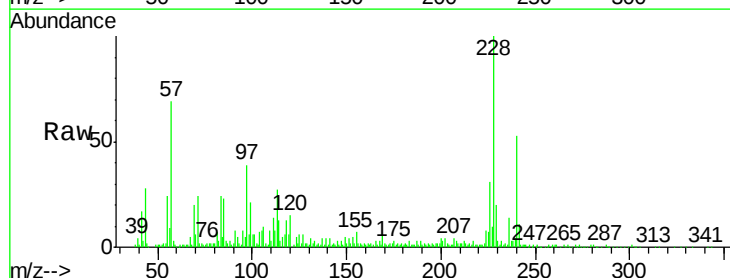
Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-30-20170215

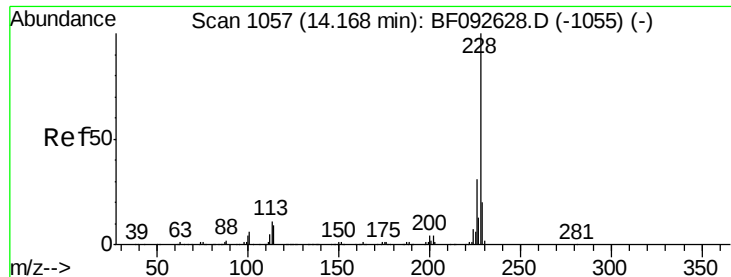
Tgt Ion:244 Resp: 1035499
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 12.6 11.4 17.2



#80
 Benzo(a)anthracene
 Concen: 7.04 ng m
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BF093002.D
 Acq: 17 Feb 2017 1:00

Tgt Ion:228 Resp: 132661
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.4 33.6
 229 20.0 16.2 24.4





#82

Chrysene

Concen: 7.38 ng m

RT: 14.04 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

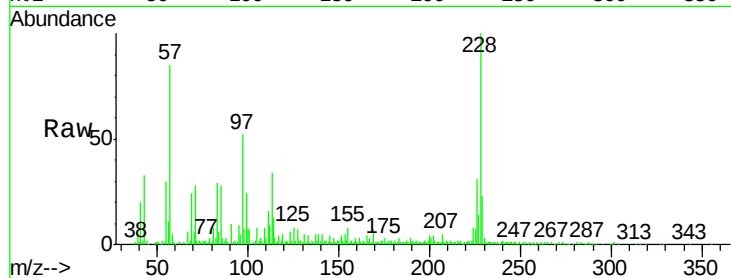
Tgt Ion: 228 Resp: 130065

Ion Ratio Lower Upper

228 100

226 30.9 25.4 38.0

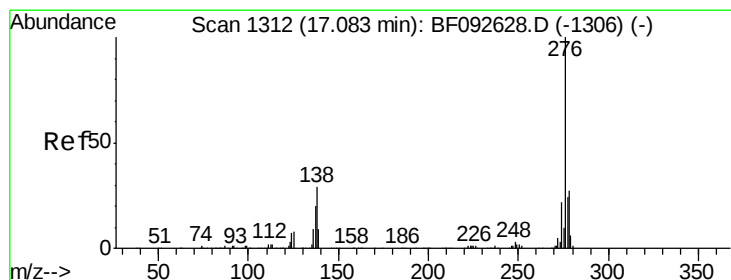
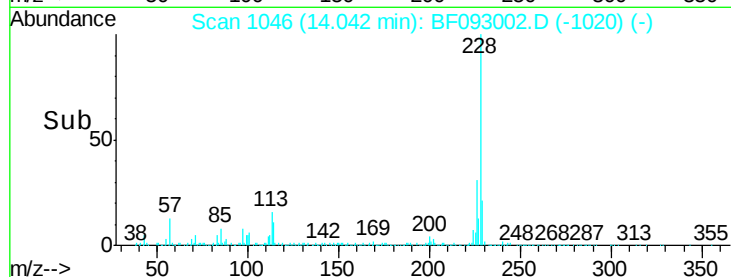
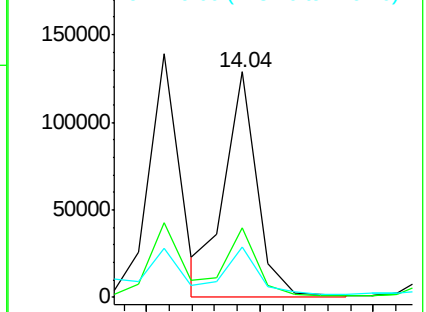
229 22.6 16.2 24.2



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: 4.74 ng

RT: 16.85 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

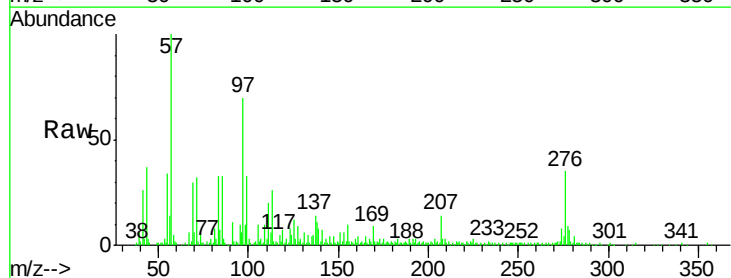
Tgt Ion: 276 Resp: 64714

Ion Ratio Lower Upper

276 100

138 26.2 21.8 32.6

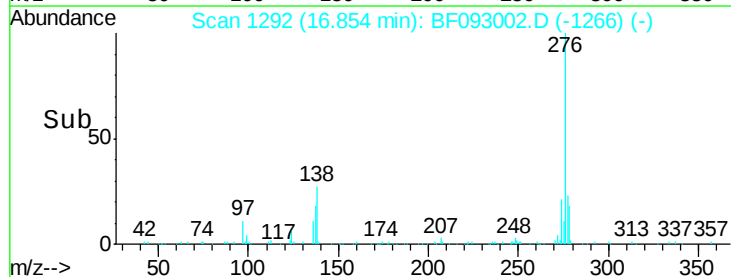
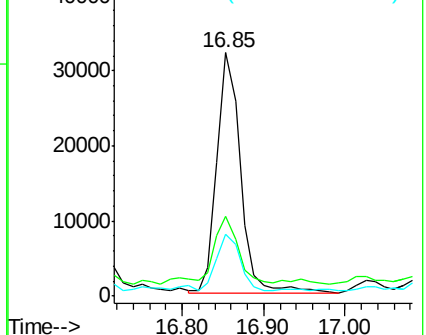
277 23.7 20.2 30.4

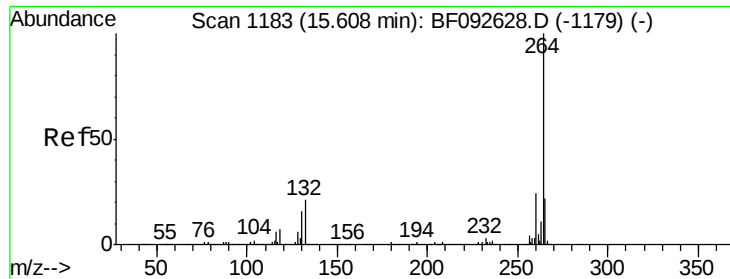


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



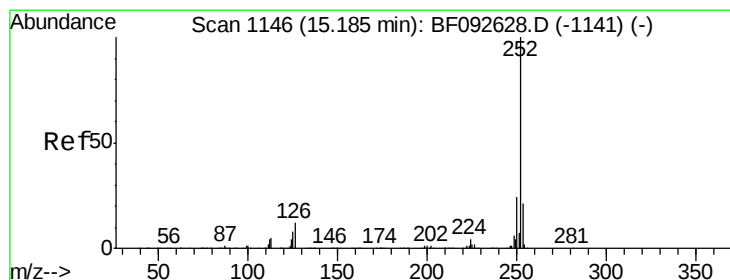
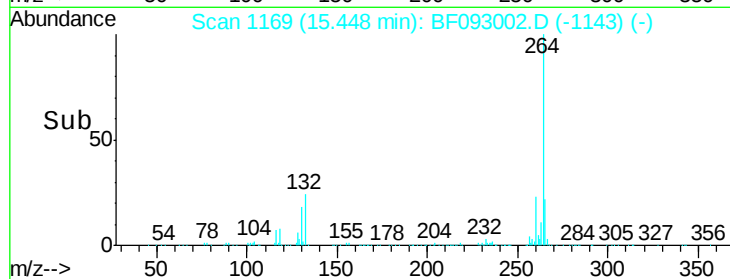
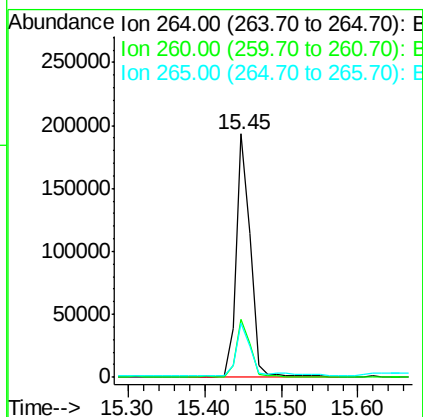
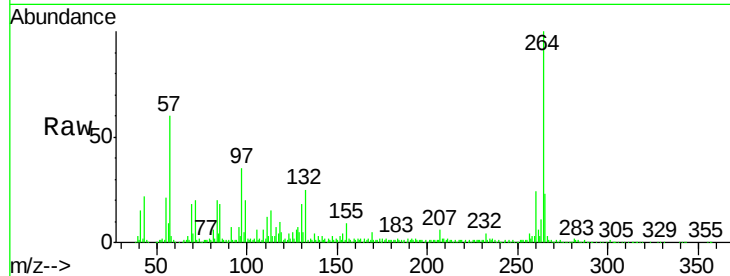


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF093002.D
Acq: 17 Feb 2017 1:00

Instrument :
BNA_F
ClientSampleId :
POSTEX-30-20170215

Tgt Ion: 264 Resp: 250594

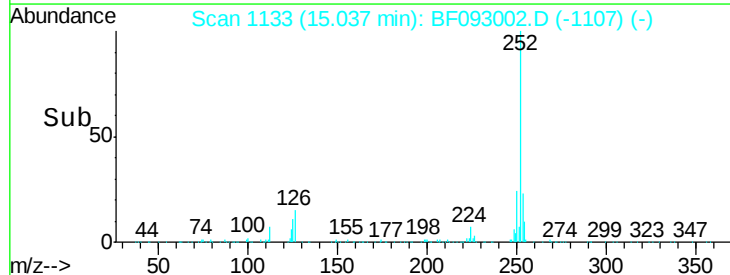
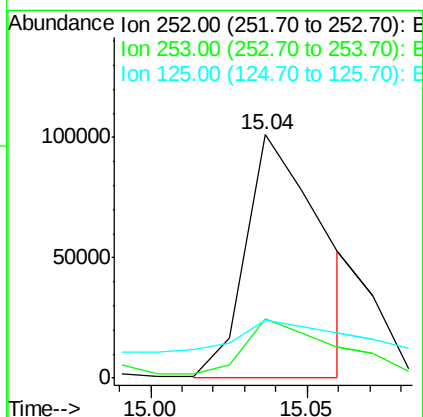
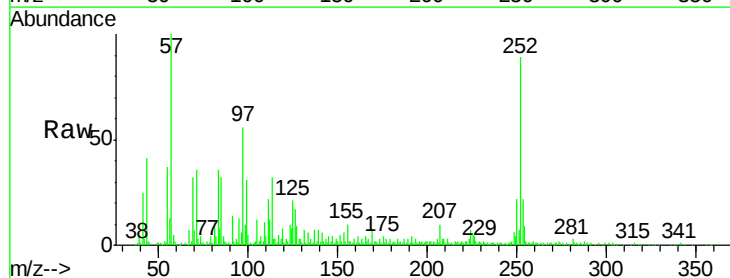
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.5	17.4	26.0

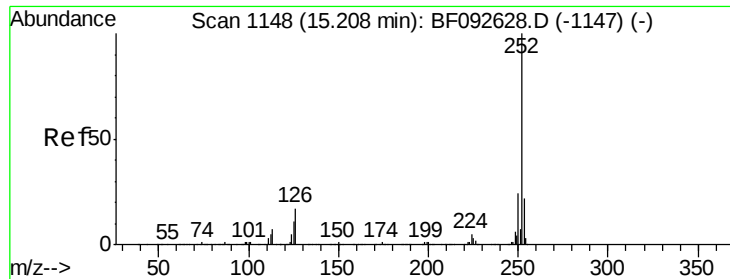


#87
Benzo(b)fluoranthene
Concen: 10.36 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF093002.D
Acq: 17 Feb 2017 1:00

Tgt Ion: 252 Resp: 170801

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.4
125	23.7	9.8	14.6





#88

Benzo(k)fluoranthene

Concen: 2.01 ng m

RT: 15.06 min Scan# 1135

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

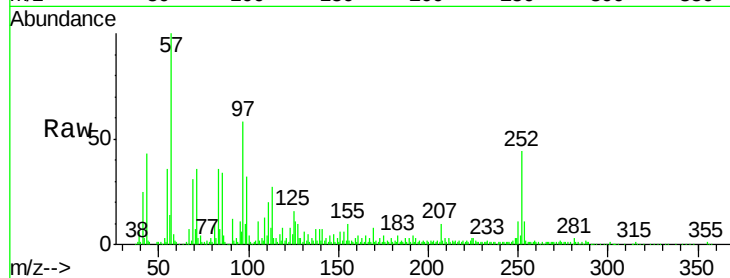
Tgt Ion:252 Resp: 28582

Ion Ratio Lower Upper

252 100

253 24.7 18.5 27.7

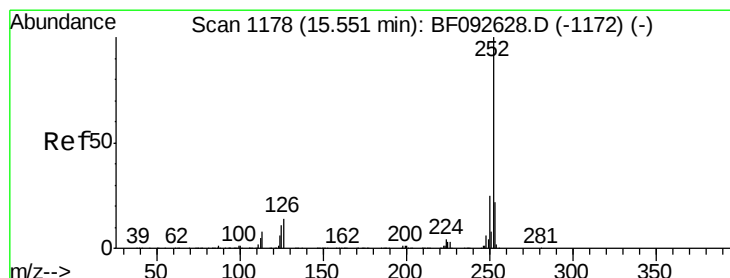
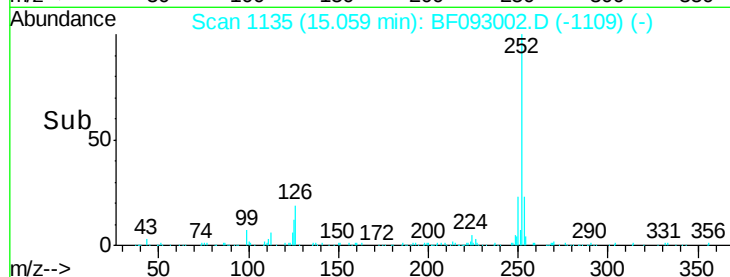
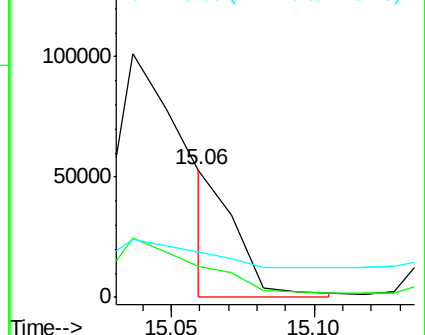
125 36.0 8.9 13.3#



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: 7.18 ng

RT: 15.39 min Scan# 1164

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

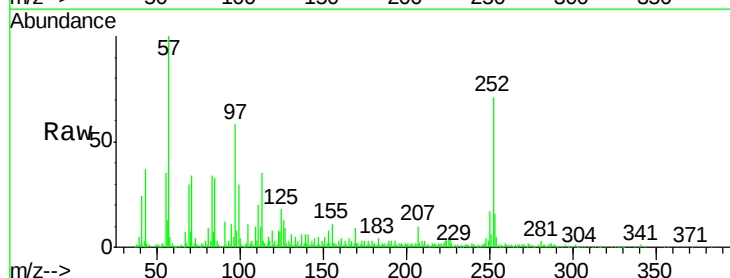
Tgt Ion:252 Resp: 102457

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

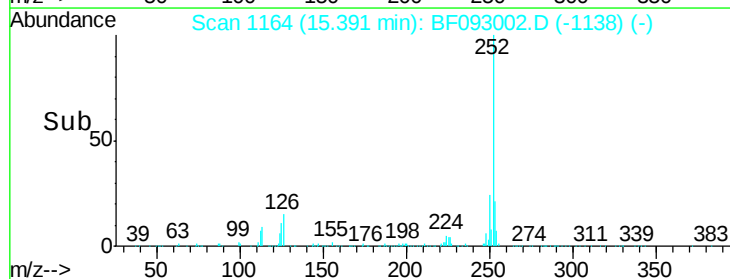
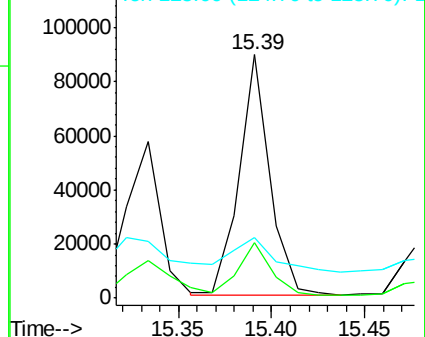
125 24.8 10.0 15.0#

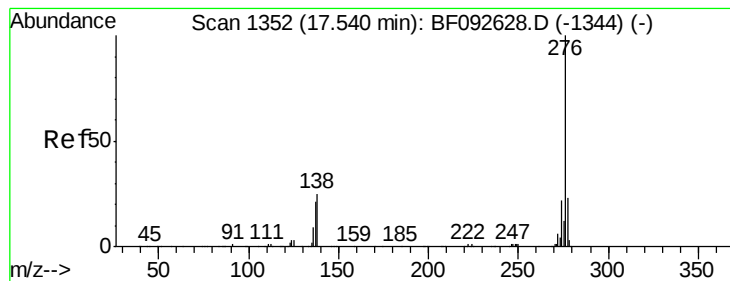


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 5.13 ng

RT: 17.28 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BF093002.D

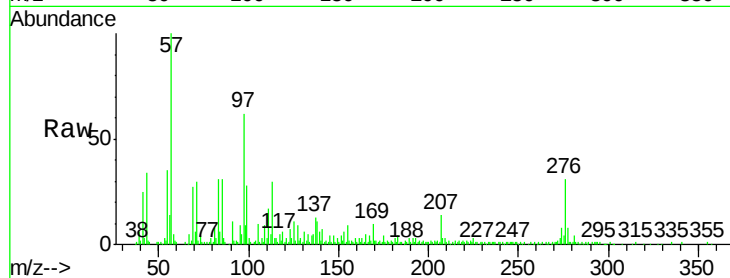
Acq: 17 Feb 2017 1:00

Instrument :

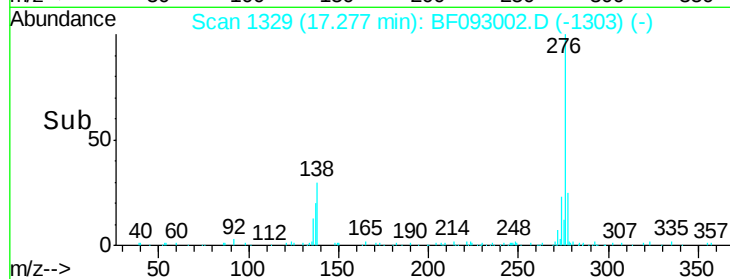
BNA_F

ClientSampleId :

POSTEX-30-20170215



Tgt Ion:	276	Resp:	59722
Ion Ratio	Lower	Upper	
276	100		
277	27.5	19.2	28.8
138	35.3	16.0	24.0



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

