

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095185.D
 Acq On : 17 May 2017 9:18
 Operator : SJ/MA
 Sample : I3170-02DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-33-20170515DL

Quant Time: May 17 15:19:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

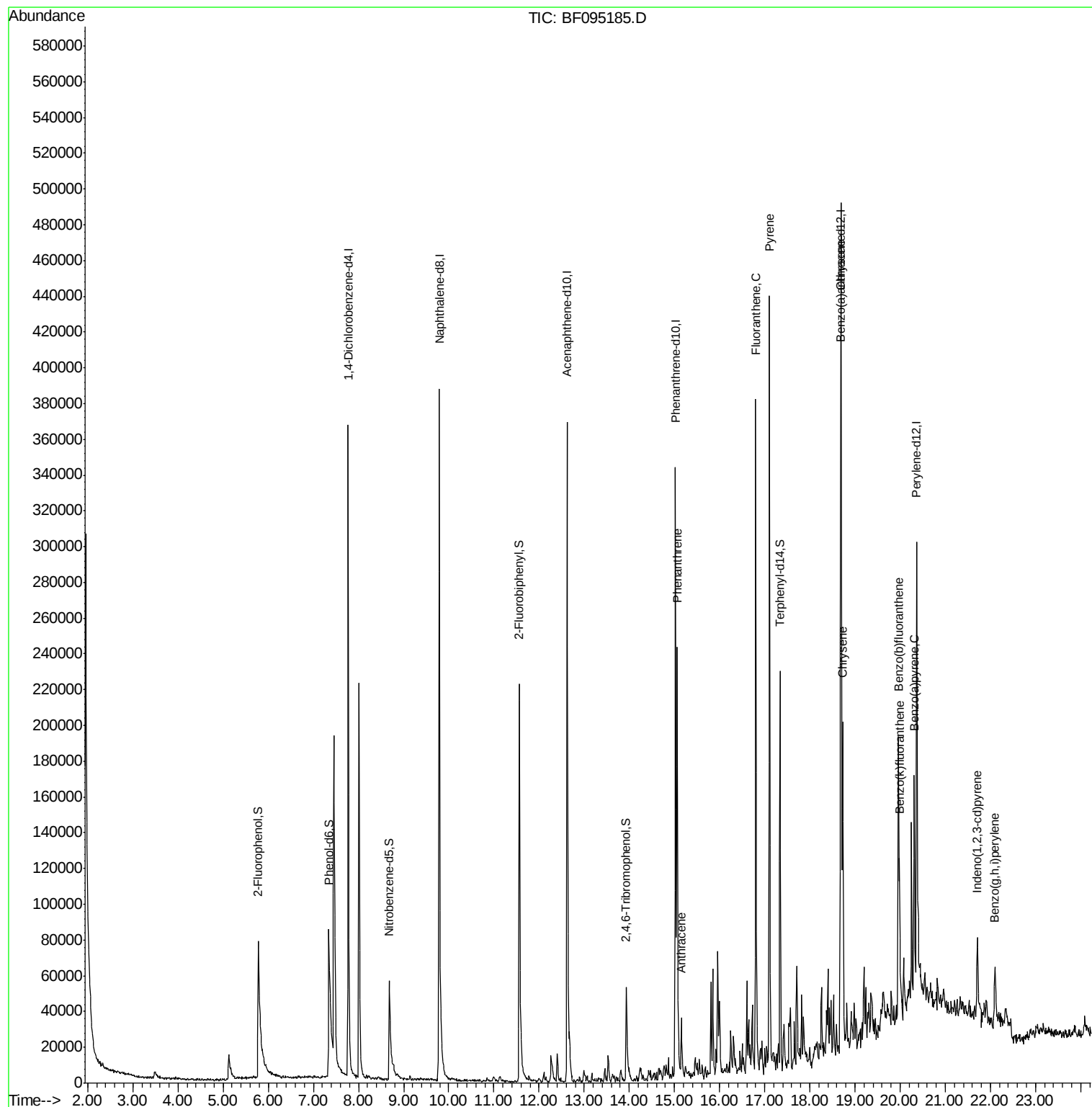
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	85903	20.00	ng	0.04
21) Naphthalene-d8	9.79	136	316652	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	131091	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	192121	20.00	ng	0.04
75) Chrysene-d12	18.69	240	171652	20.00	ng	0.04
86) Perylene-d12	20.37	264	122163	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	101186m	19.64	ng	0.10
7) Phenol-d6	7.34	99	125136	20.24	ng	0.06
23) Nitrobenzene-d5	8.68	82	60672	12.08	ng	0.05
41) 2,4,6-Tribromophenol	13.94	330	15339	14.29	ng	0.05
44) 2-Fluorobiphenyl	11.56	172	158206	17.37	ng	0.03
78) Terphenyl-d14	17.34	244	91099	11.69	ng	0.02
Target Compounds						Qvalue
70) Phenanthrene	15.06	178	145203	13.15	ng	98
71) Anthracene	15.15	178	29535m	2.62	ng	
74) Fluoranthene	16.80	202	211856	18.71	ng	99
77) Pyrene	17.11	202	210147	16.37	ng	97
80) Benzo(a)anthracene	18.68	228	86747	8.68	ng	99
82) Chrysene	18.72	228	94903	9.82	ng	98
85) Indeno(1,2,3-cd)pyrene	21.71	276	30138	3.84	ng	97
87) Benzo(b)fluoranthene	19.97	252	90227m	11.95	ng	
88) Benzo(k)fluoranthene	19.99	252	29895m	4.11	ng	
89) Benzo(a)pyrene	20.31	252	55971	8.04	ng	96
91) Benzo(g,h,i)perylene	22.10	276	31675	5.61	ng	95

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

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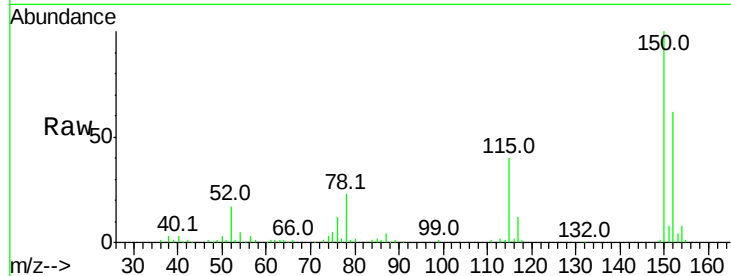


#1

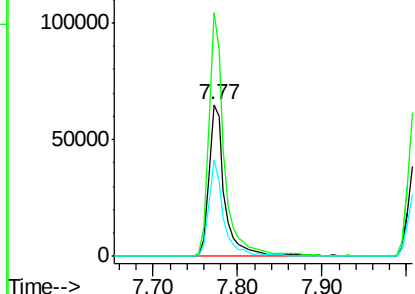
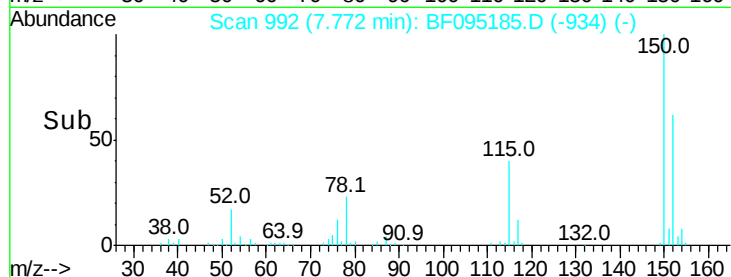
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.04 min
Lab File: BF095185.D
Acq: 17 May 2017 9:18

Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515DL

Tot Ion:152 Resp: 85903
Ion Ratio Lower Upper
152 100
150 160.4 126.2 189.2
115 63.5 52.2 78.2



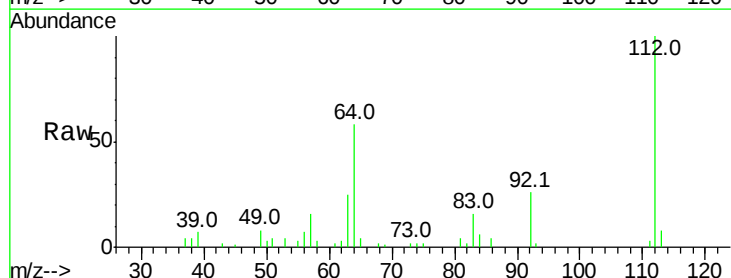
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



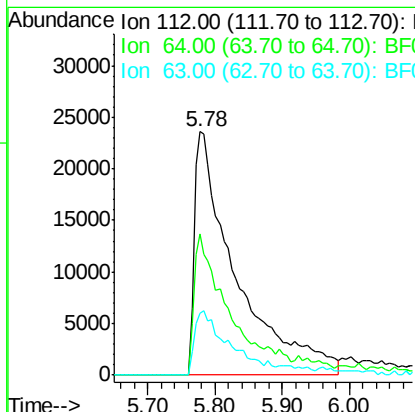
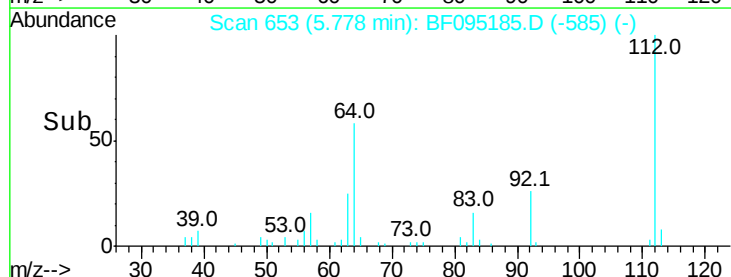
#5

2-Fluorophenol
Concen: 19.64 ng m
RT: 5.78 min Scan# 653
Delta R.T. 0.10 min
Lab File: BF095185.D
Acq: 17 May 2017 9:18

Tgt Ion:112 Resp: 101186
Ion Ratio Lower Upper
112 100
64 58.1 46.0 69.0
63 25.2 23.4 35.0



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: 20.24 ng

RT: 7.34 min Scan# 919

Delta R.T. 0.06 min

Lab File: BF095185.D

Acq: 17 May 2017 9:18

Instrument :

BNA_F

ClientSampleId :

POSTEX-33-20170515DL

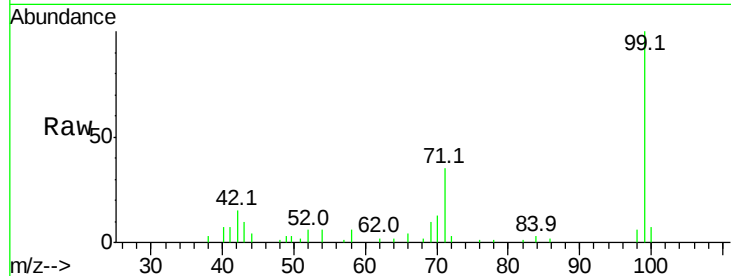
Tot Ion: 99 Resp: 125136

Ion Ratio Lower Upper

99 100

42 14.5 13.5 20.3

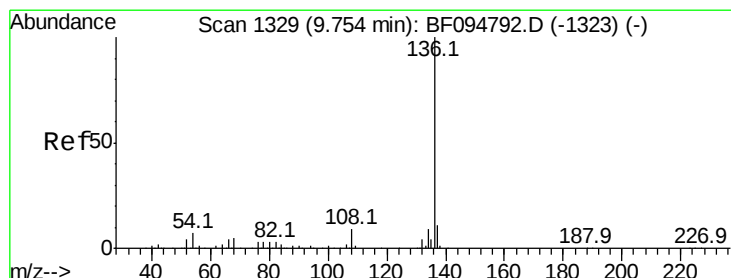
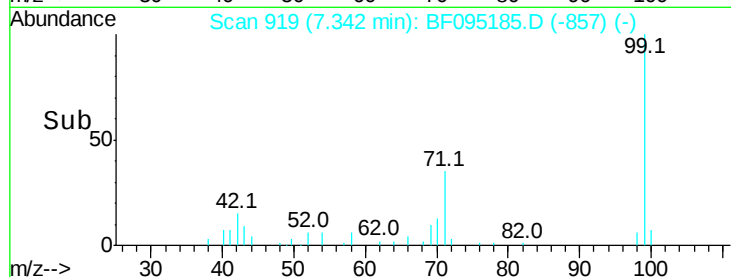
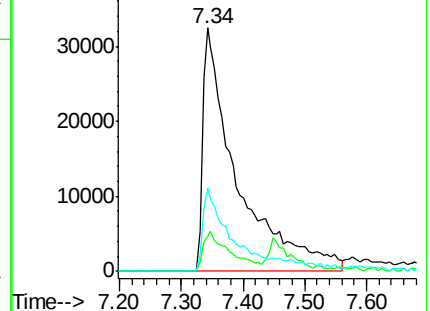
71 34.6 24.5 36.7



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: 9.79 min Scan# 1335

Delta R.T. 0.04 min

Lab File: BF095185.D

Acq: 17 May 2017 9:18

Tgt Ion: 136 Resp: 316652

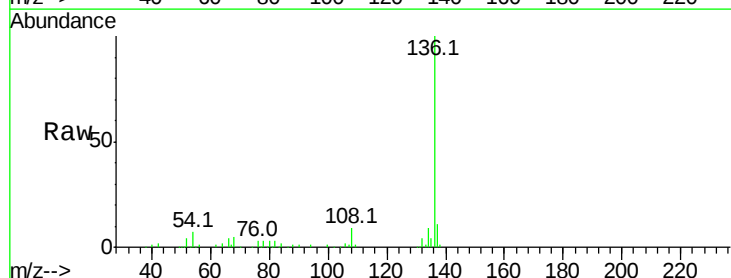
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.7 4.9 7.3

68 5.5 4.1 6.1

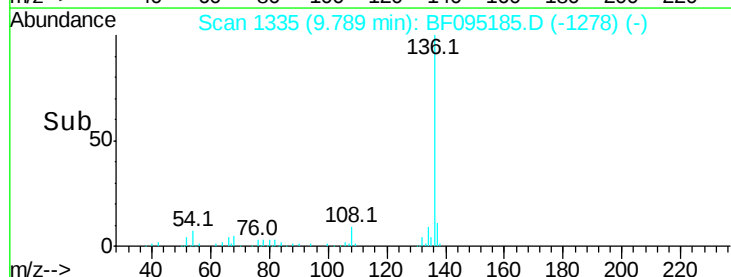
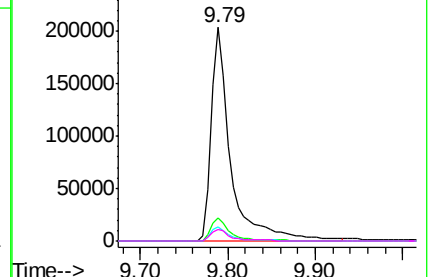


Abundance Ion 136.00 (135.70 to 136.70): E

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

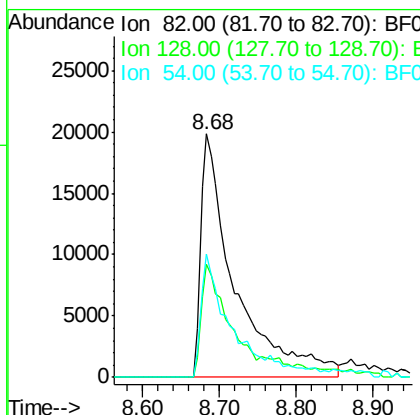
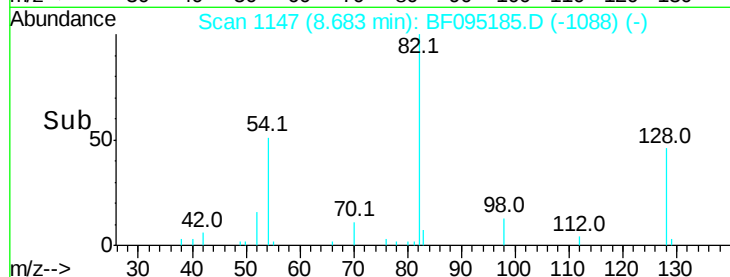
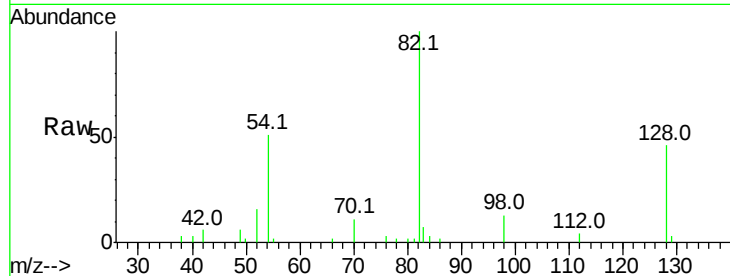




#23
 Nitrobenzene-d5
 Concen: 12.08 ng
 RT: 8.68 min Scan# 1147
 Delta R.T. 0.05 min
 Lab File: BF095185.D
 Acq: 17 May 2017 9:18

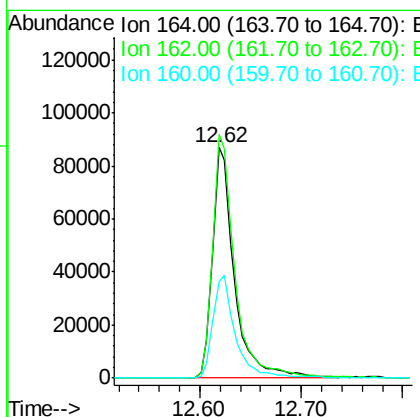
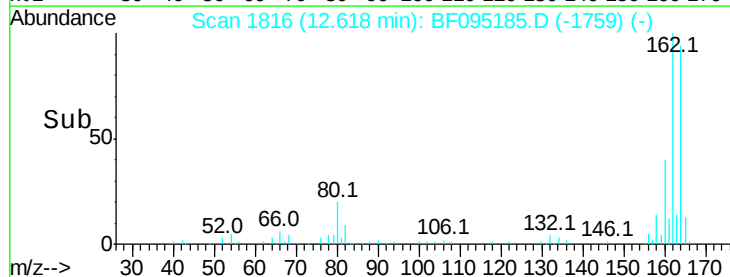
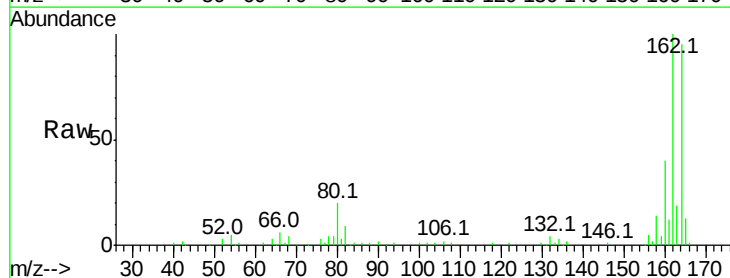
Instrument :
 BNA_F
 ClientSampleID :
 POSTEX-33-20170515DL

Tot Ion: 82 Resp: 60672
 Ion Ratio Lower Upper
 82 100
 128 46.2 34.0 51.0
 54 50.6 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1816
 Delta R.T. 0.04 min
 Lab File: BF095185.D
 Acq: 17 May 2017 9:18

Tgt Ion:164 Resp: 131091
 Ion Ratio Lower Upper
 164 100
 162 105.7 82.6 123.8
 160 41.8 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 14.29 ng

RT: 13.94 min Scan# 2040

Delta R.T. 0.05 min

Lab File: BF095185.D

Acq: 17 May 2017 9:18

Instrument :

BNA_F

ClientSampleId :

POSTEX-33-20170515DL

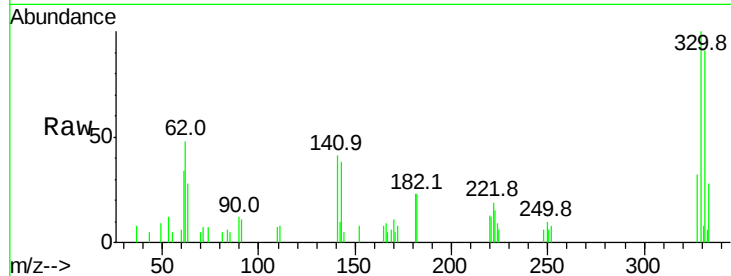
Tot Ion:330 Resp: 15339

Ion Ratio Lower Upper

330 100

332 90.4 76.6 115.0

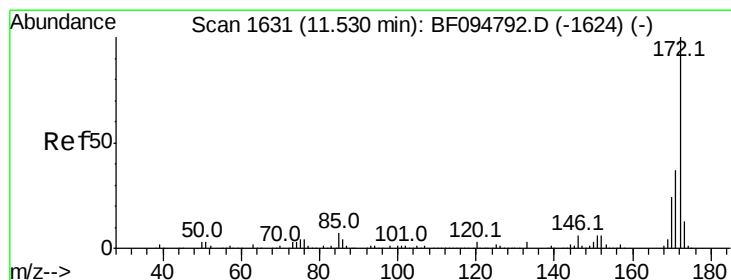
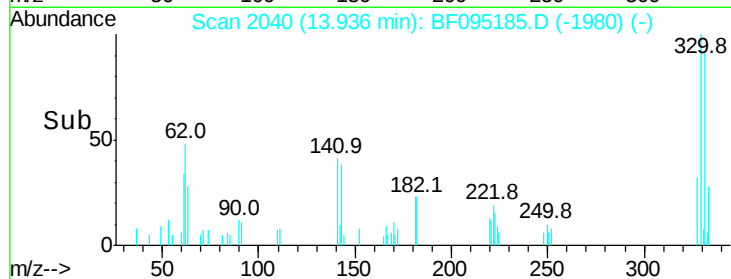
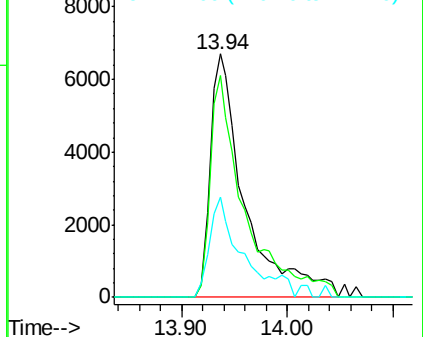
141 36.2 31.4 47.2



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: 17.37 ng

RT: 11.56 min Scan# 1636

Delta R.T. 0.03 min

Lab File: BF095185.D

Acq: 17 May 2017 9:18

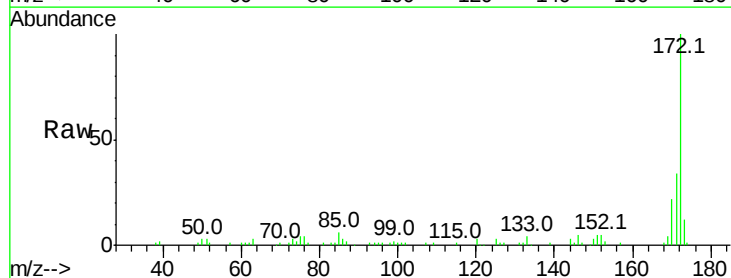
Tgt Ion:172 Resp: 158206

Ion Ratio Lower Upper

172 100

171 34.4 29.6 44.4

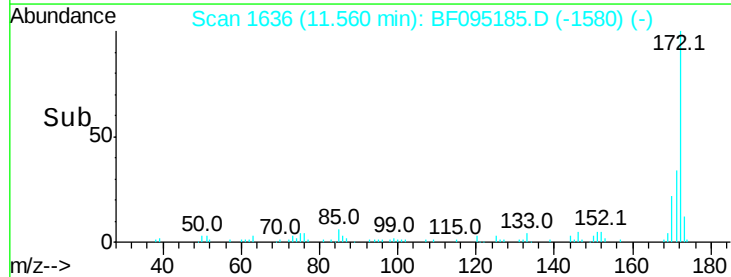
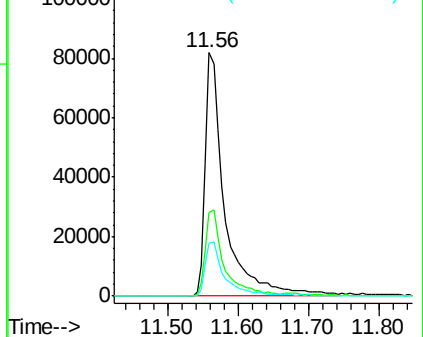
170 21.6 19.8 29.8

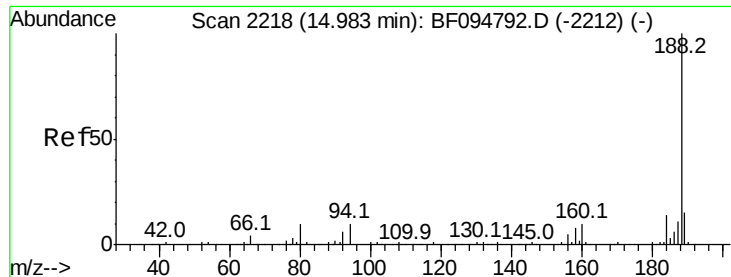


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

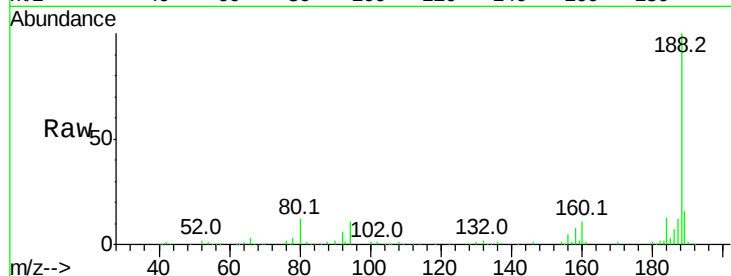




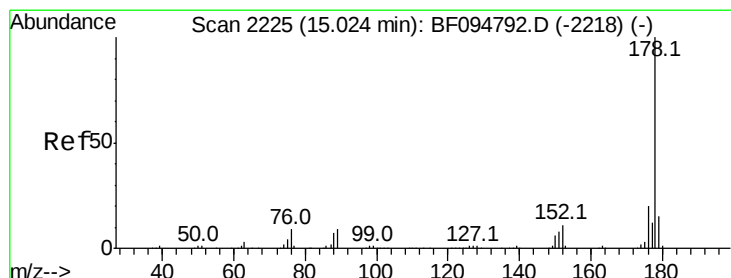
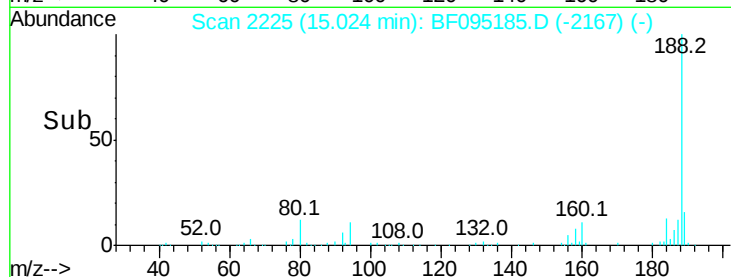
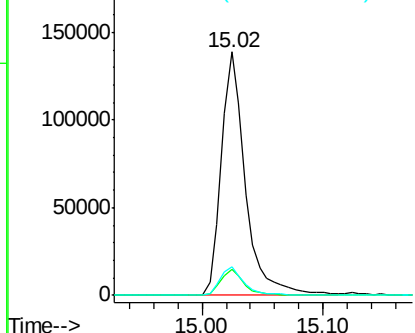
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2225
 Delta R.T. 0.04 min
 Lab File: BF095185.D
 Acq: 17 May 2017 9:18

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-33-20170515DL

Tot Ion:188 Resp: 192121
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.4 14.2
 80 11.5 10.2 15.2

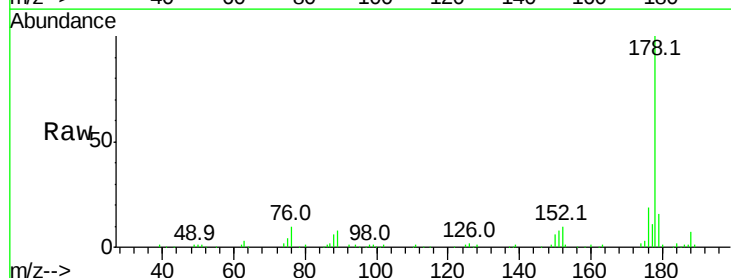


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

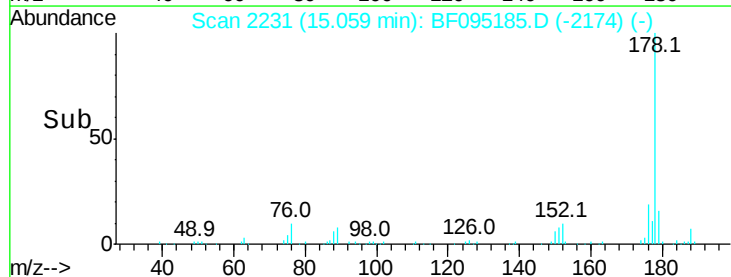
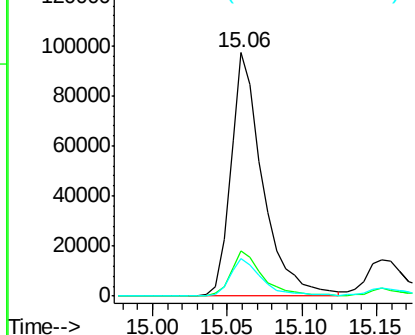


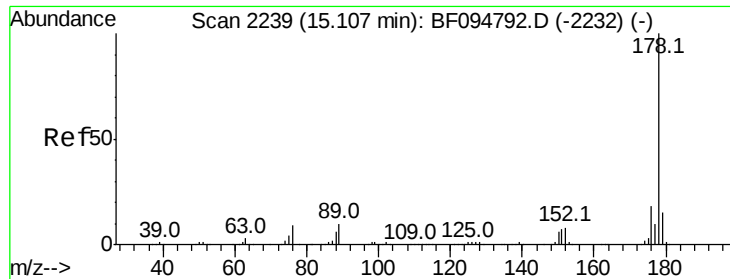
#70
 Phenanthrene
 Concen: 13.15 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. 0.04 min
 Lab File: BF095185.D
 Acq: 17 May 2017 9:18

Tgt Ion:178 Resp: 145203
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.2 24.4
 179 15.7 12.6 19.0



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

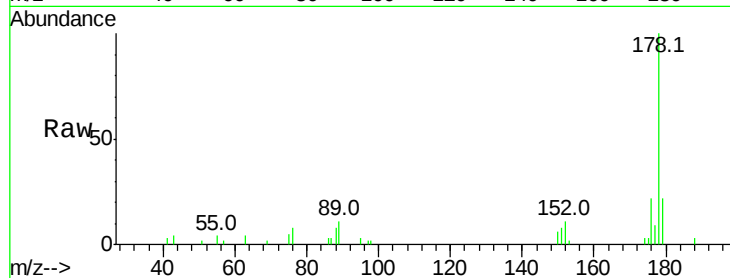




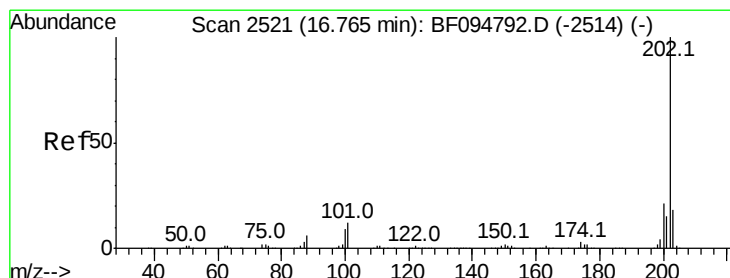
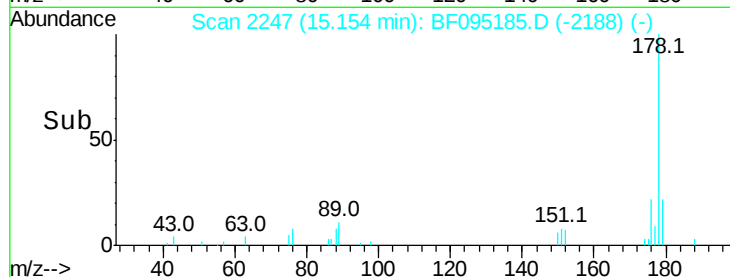
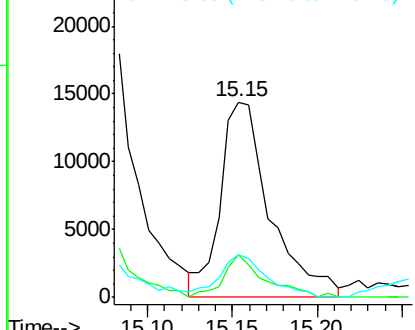
#71
 Anthracene
 Concen: 2.62 ng/mL
 RT: 15.15 min Scan# 2247
 Delta R.T. 0.05 min
 Lab File: BF095185.D
 Acq: 17 May 2017 9:18

Instrument :
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 ClientSampleId :
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Tot Ion:178 Resp: 29535
 Ion Ratio Lower Upper
 178 100
 176 21.6 15.8 23.8
 179 22.0 12.7 19.1#

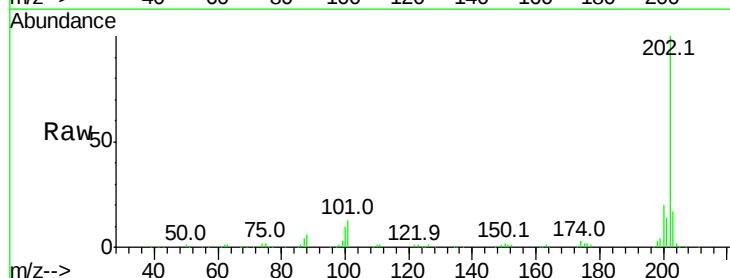


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

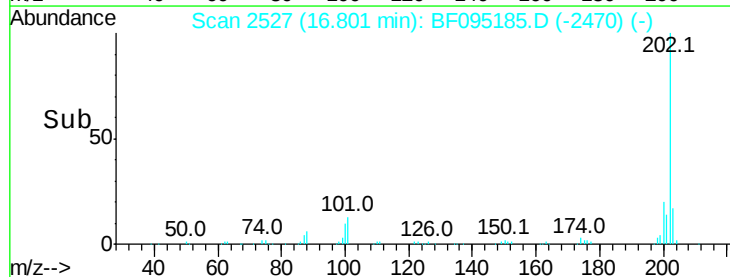
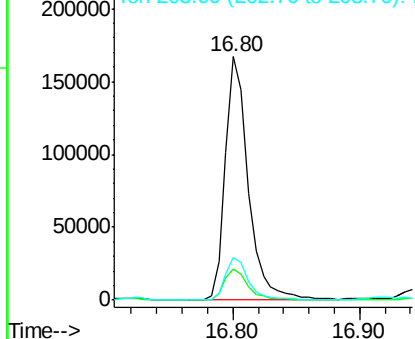


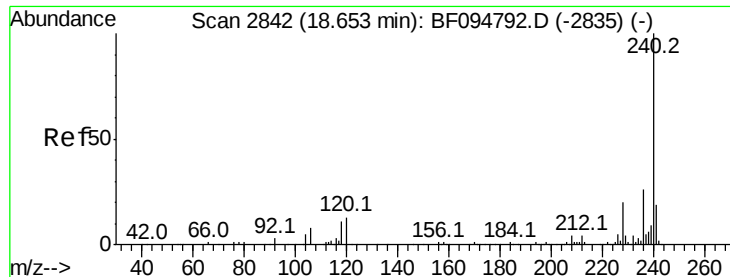
#74
 Fluoranthene
 Concen: 18.71 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. 0.04 min
 Lab File: BF095185.D
 Acq: 17 May 2017 9:18

Tgt Ion:202 Resp: 211856
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 33.2
 203 17.4 0.0 38.1



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

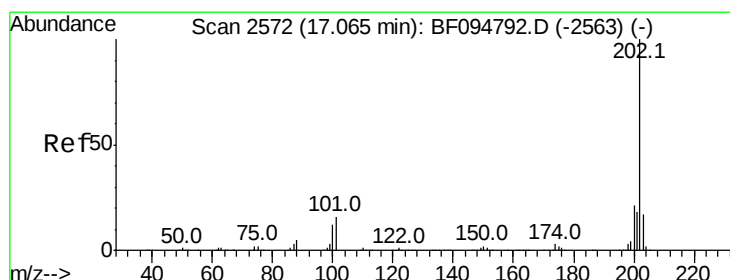
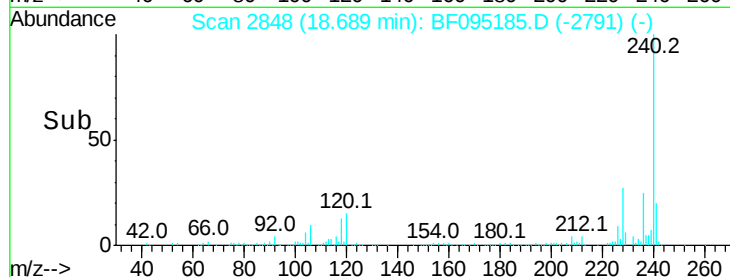
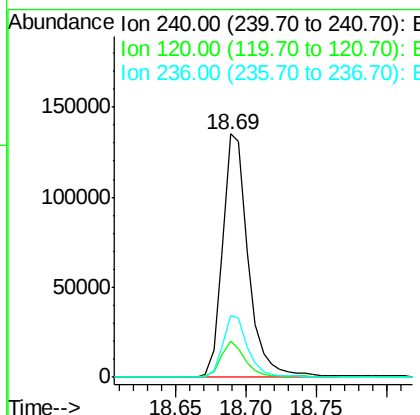
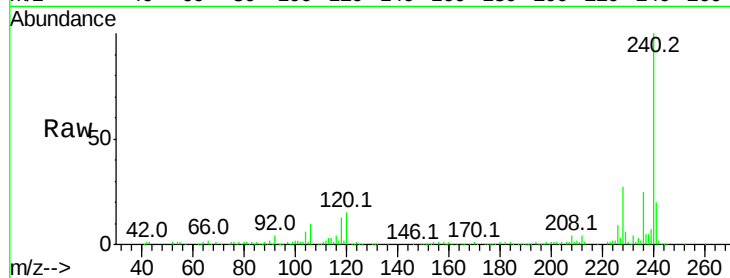




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.69 min Scan# 2848
Delta R.T. 0.04 min
Lab File: BF095185.D
Acq: 17 May 2017 9:18

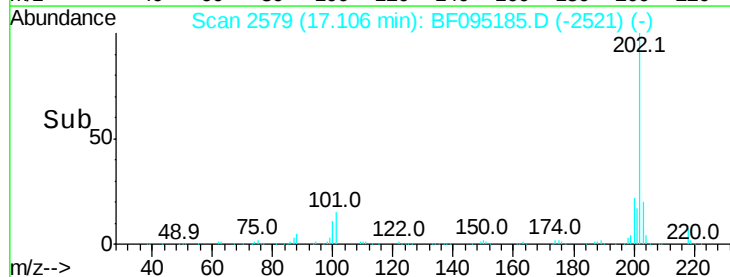
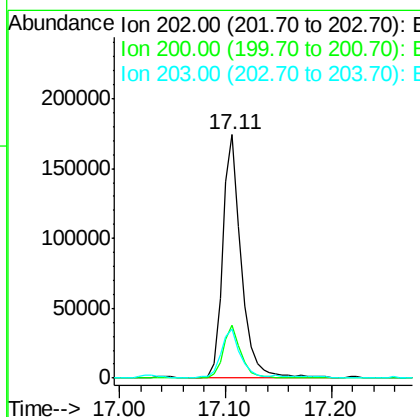
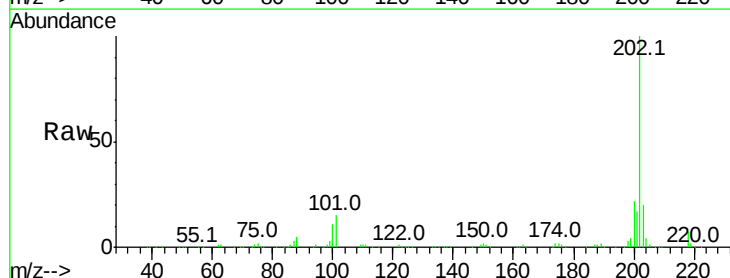
Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515DL

Tot Ion:240 Resp: 171652
Ion Ratio Lower Upper
240 100
120 15.1 5.8 8.8#
236 25.3 20.5 30.7



#77
Pyrene
Concen: 16.37 ng
RT: 17.11 min Scan# 2579
Delta R.T. 0.04 min
Lab File: BF095185.D
Acq: 17 May 2017 9:18

Tgt Ion:202 Resp: 210147
Ion Ratio Lower Upper
202 100
200 21.5 17.6 26.4
203 19.9 14.4 21.6





#78

Terphenyl-d14

Concen: 11.69 ng

RT: 17.34 min Scan# 2618

Delta R.T. 0.02 min

Lab File: BF095185.D

Acq: 17 May 2017 9:18

Instrument :

BNA_F

ClientSampleId :

POSTEX-33-20170515DL

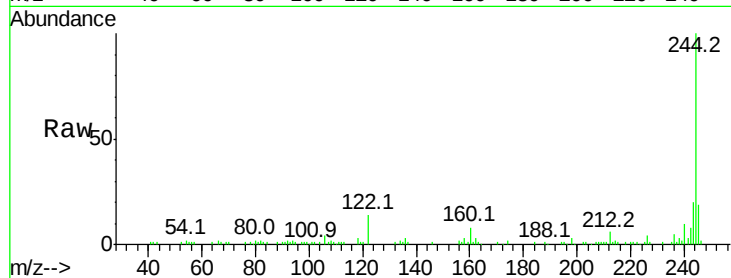
Tot Ion:244 Resp: 91099

Ion Ratio Lower Upper

244 100

212 6.0 6.0 9.0

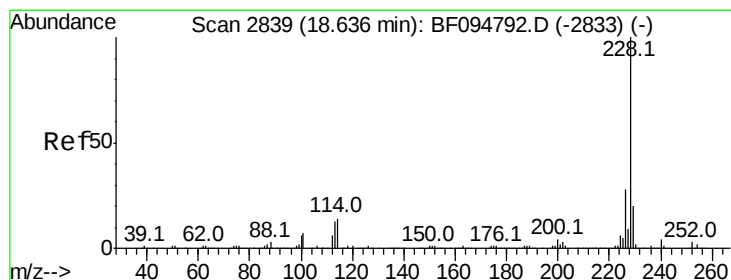
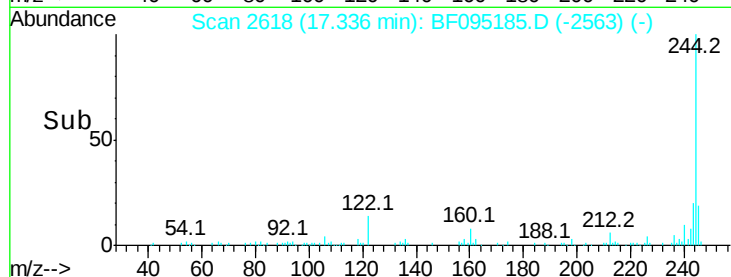
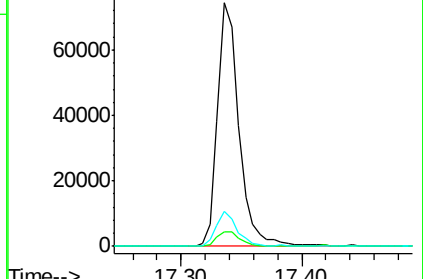
122 14.4 10.3 15.5



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: 8.68 ng

RT: 18.68 min Scan# 2846

Delta R.T. 0.04 min

Lab File: BF095185.D

Acq: 17 May 2017 9:18

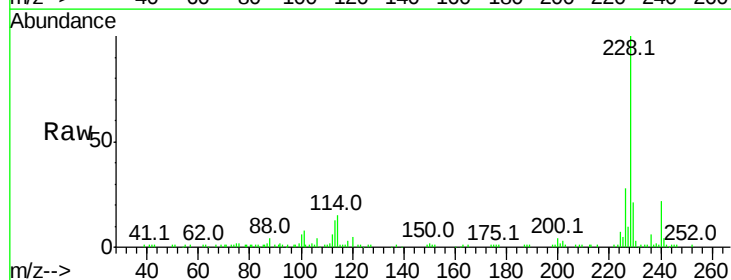
Tgt Ion:228 Resp: 86747

Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

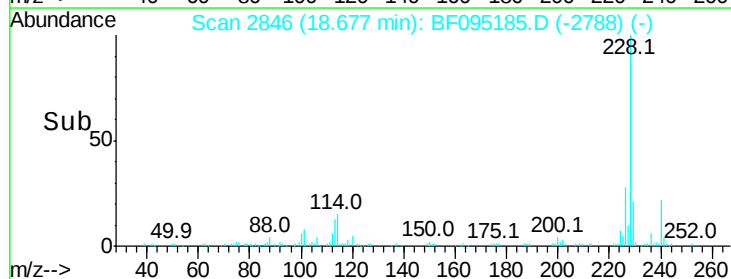
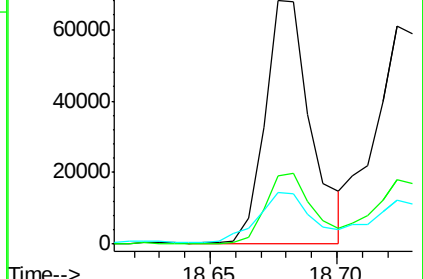
229 21.0 16.3 24.5

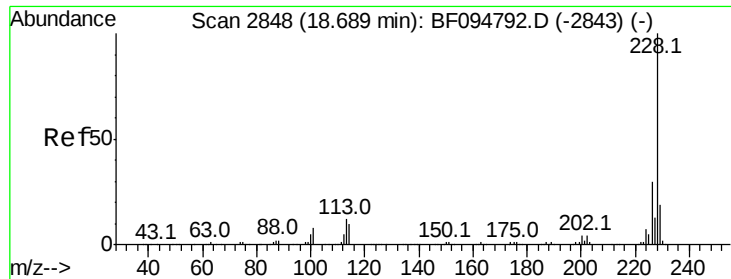


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.82 ng

RT: 18.72 min Scan# 2854

Delta R.T. 0.04 min

Lab File: BF095185.D

Acq: 17 May 2017 9:18

Instrument :

BNA_F

ClientSampleId :

POSTEX-33-20170515DL

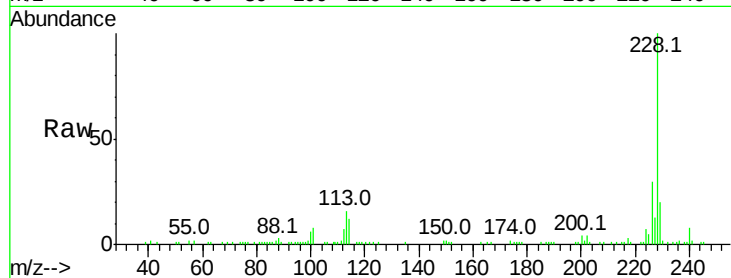
Tot Ion:228 Resp: 94903

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

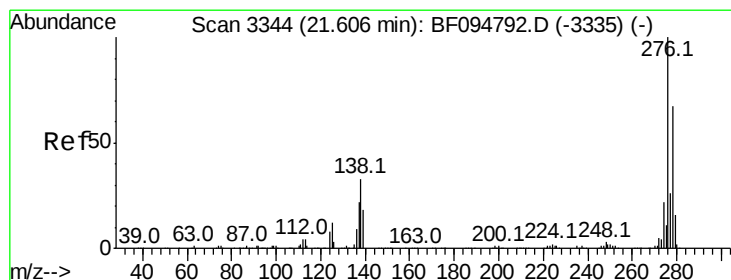
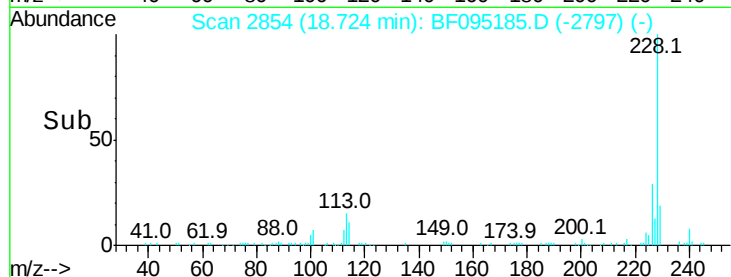
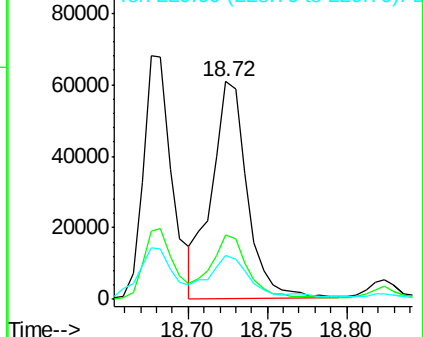
229 20.4 15.8 23.6



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: 3.84 ng

RT: 21.71 min Scan# 3362

Delta R.T. 0.11 min

Lab File: BF095185.D

Acq: 17 May 2017 9:18

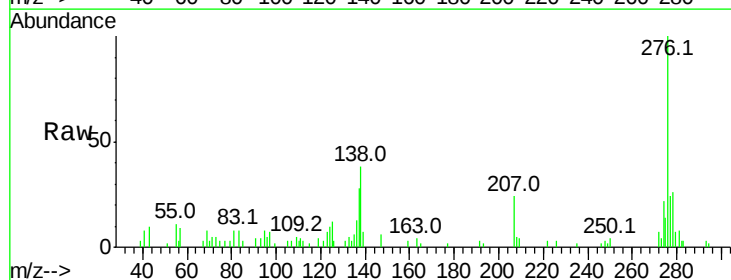
Tgt Ion:276 Resp: 30138

Ion Ratio Lower Upper

276 100

138 36.9 27.8 41.6

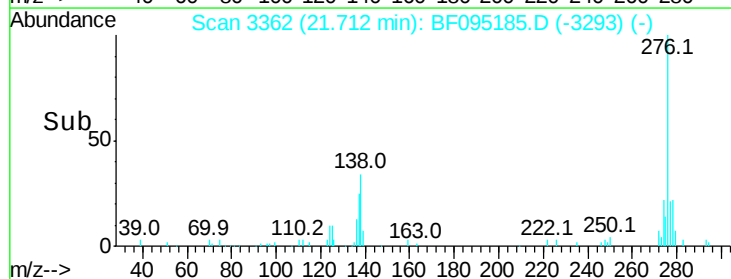
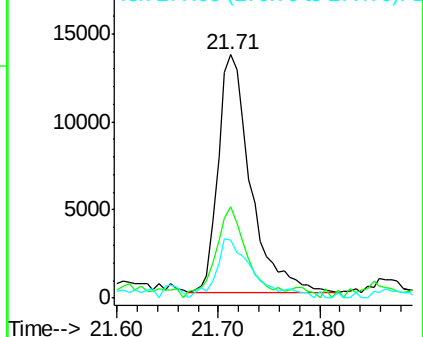
277 25.7 20.2 30.4

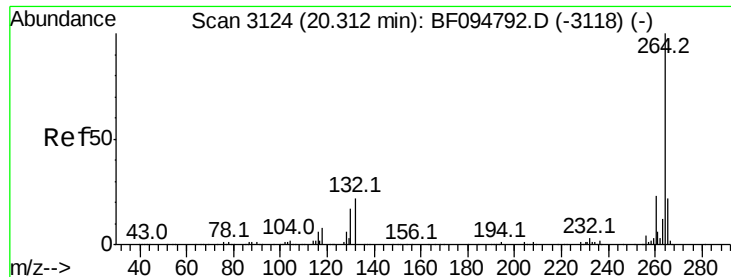


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

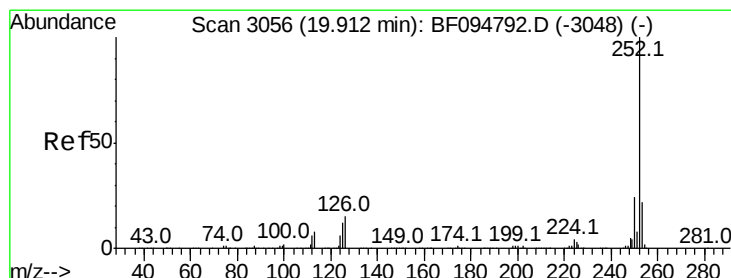
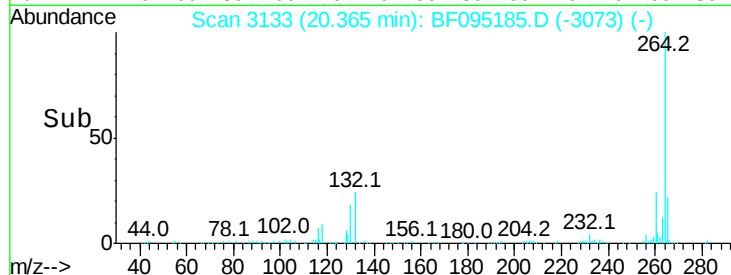
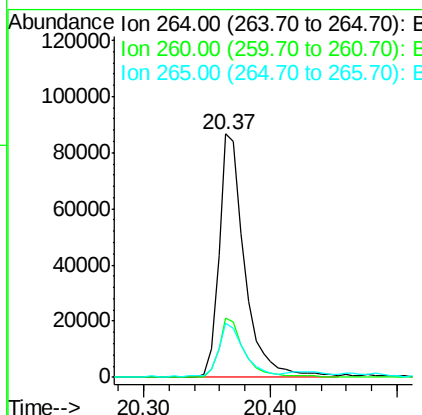
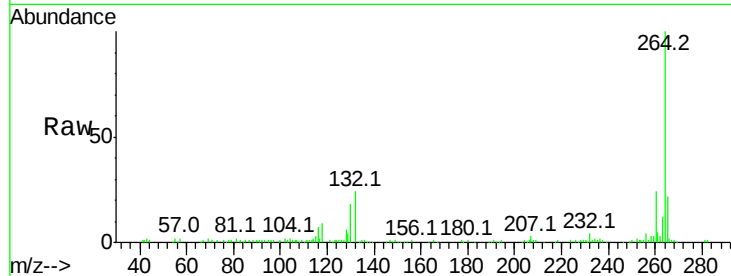




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.05 min
Lab File: BF095185.D
Acq: 17 May 2017 9:18

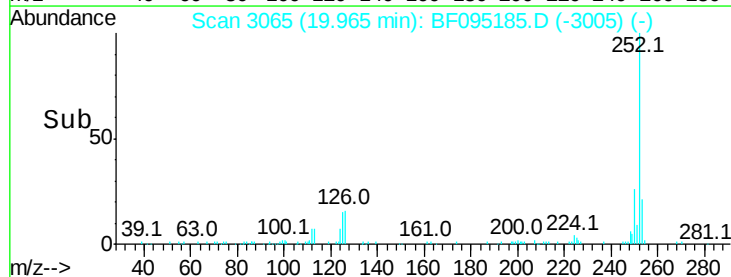
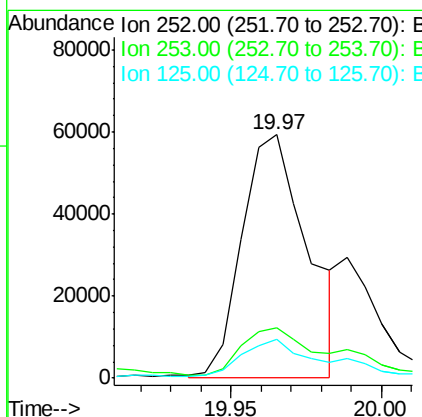
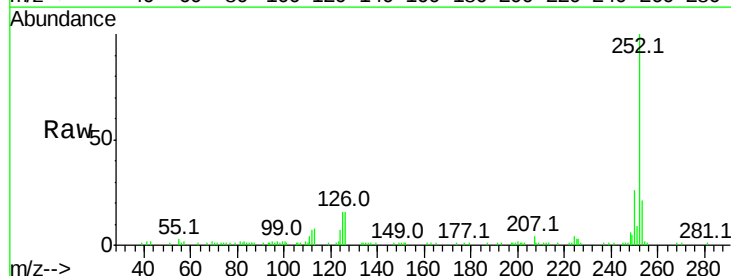
Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515DL

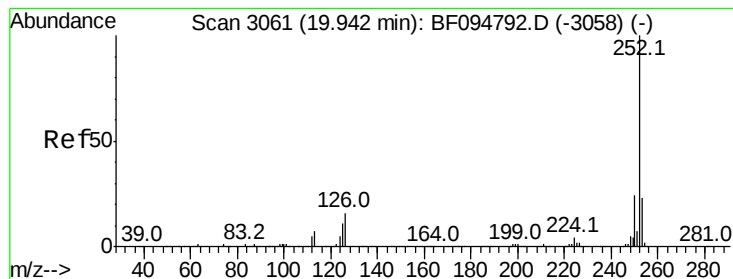
Tot Ion:264 Resp: 122163
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 22.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 11.95 ng m
RT: 19.97 min Scan# 3065
Delta R.T. 0.05 min
Lab File: BF095185.D
Acq: 17 May 2017 9:18

Tgt Ion:252 Resp: 90227
Ion Ratio Lower Upper
252 100
253 20.5 18.1 27.1
125 16.0 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 4.11 ng/mL

RT: 19.99 min Scan# 3069

Delta R.T. 0.05 min

Lab File: BF095185.D

Acq: 17 May 2017 9:18

Instrument :

BNA_F

ClientSampleId :

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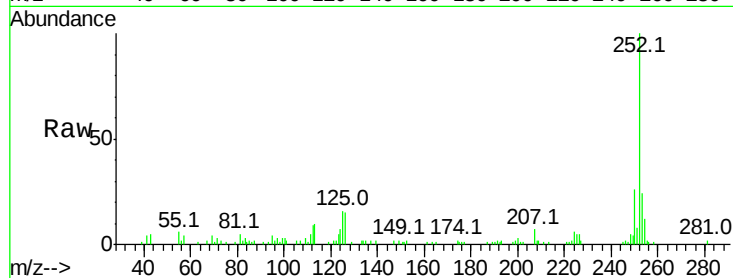
Tot Ion:252 Resp: 29895

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

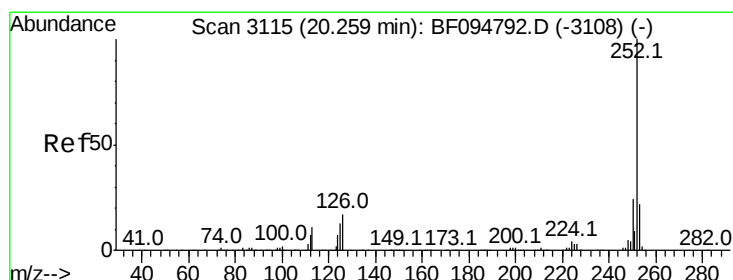
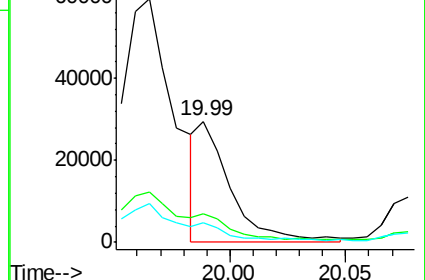
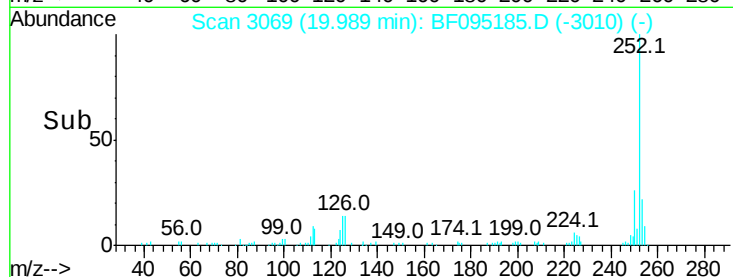
125 15.9 13.1 19.7



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: 8.04 ng/mL

RT: 20.31 min Scan# 3124

Delta R.T. 0.05 min

Lab File: BF095185.D

Acq: 17 May 2017 9:18

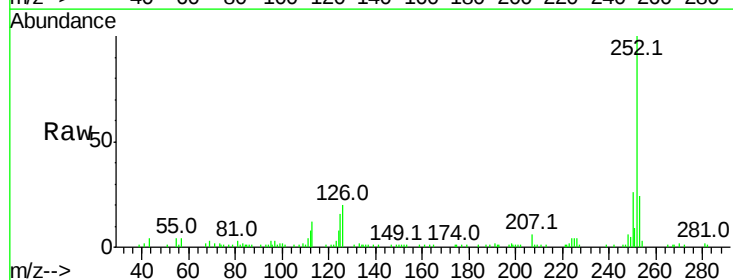
Tgt Ion:252 Resp: 55971

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

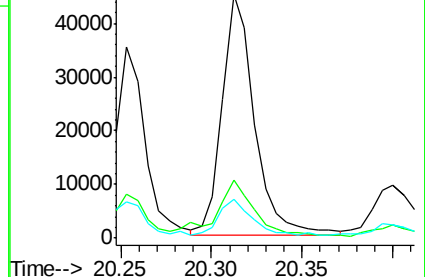
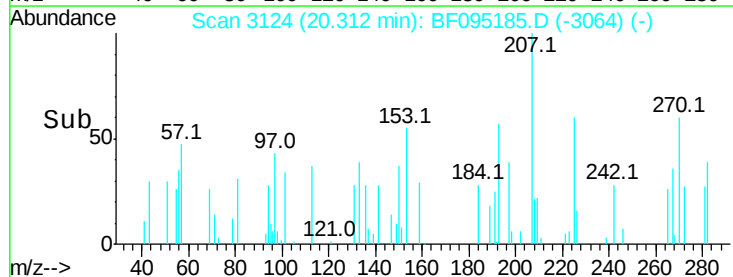
125 15.8 11.0 16.4

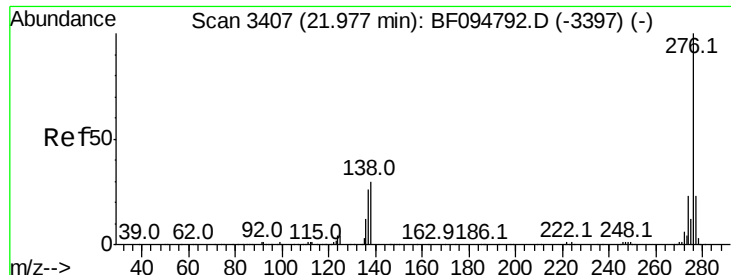


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 5.61 ng

RT: 22.10 min Scan# 3428

Delta R.T. 0.12 min

Lab File: BF095185.D

Acq: 17 May 2017 9:18

Instrument :

BNA_F

ClientSampleId :

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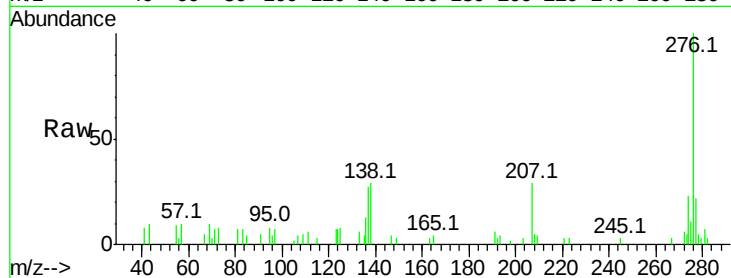
Tot Ion: 276 Resp: 31675

Ion Ratio Lower Upper

276 100

277 21.5 18.6 28.0

138 28.6 25.4 38.0



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

