

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095176.D
 Acq On : 17 May 2017 1:52
 Operator : SJ/MA
 Sample : I3153-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DS-1-6

Quant Time: May 17 14:15:12 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

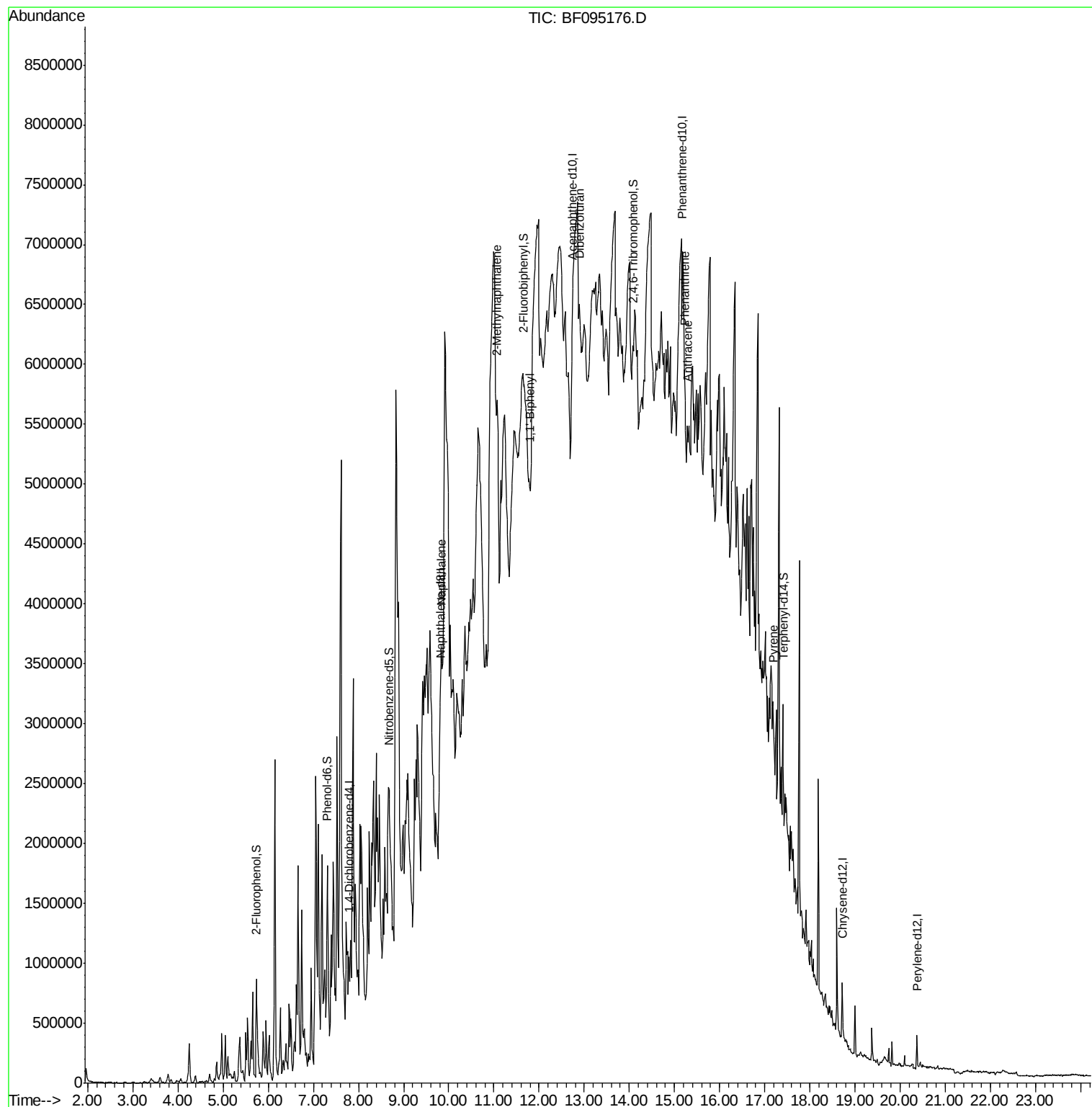
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	80504	20.00	ng	0.06
21) Naphthalene-d8	9.81	136	236915	20.00	ng	0.05
38) Acenaphthene-d10	12.74	164	63885m	20.00	ng	0.15
63) Phenanthrene-d10	15.17	188	56814m	20.00	ng	0.19
75) Chrysene-d12	18.72	240	184652	20.00	ng	0.06
86) Perylene-d12	20.37	264	125721	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	534132	110.62	ng	0.06
7) Phenol-d6	7.31	99	687575	118.68	ng	0.04
23) Nitrobenzene-d5	8.68	82	424590	113.01	ng	0.05
41) 2,4,6-Tribromophenol	14.09	330	54685	104.52	ng	0.21
44) 2-Fluorobiphenyl	11.65	172	428231	96.48	ng	0.12
78) Terphenyl-d14	17.41	244	438347	52.29	ng	0.09
Target Compounds						
31) Naphthalene	9.84	128	601655	50.53	ng	Qvalue # 48
37) 2-Methylnaphthalene	11.07	142	3936184m	503.69	ng	
45) 1,1'-Biphenyl	11.80	154	734666	136.59	ng	95
54) Dibenzofuran	12.89	168	201420	35.82	ng	# 91
70) Phenanthrene	15.22	178	1298285	397.71	ng	# 95
71) Anthracene	15.29	178	131813m	39.53	ng	
77) Pyrene	17.19	202	108804m	7.88	ng	

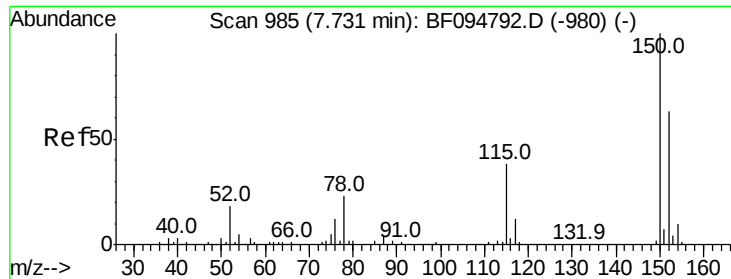
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 995

Delta R.T. 0.06 min

Lab File: BF095176.D

Acq: 17 May 2017 1:52

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BNA_F

ClientSampleId :

DS-1-6

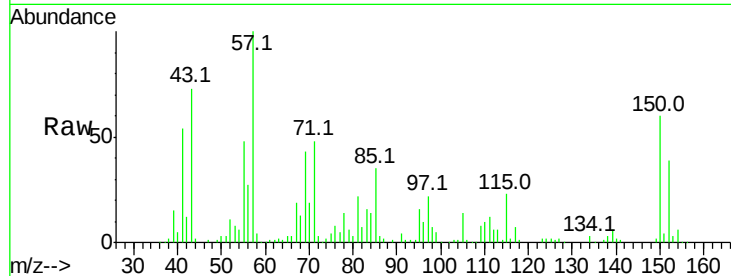
Tot Ion:152 Resp: 80504

Ion Ratio Lower Upper

152 100

150 153.8 126.2 189.2

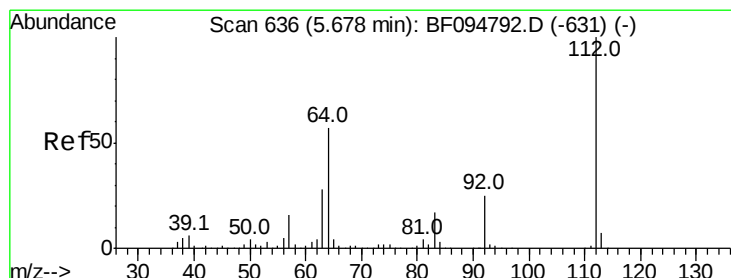
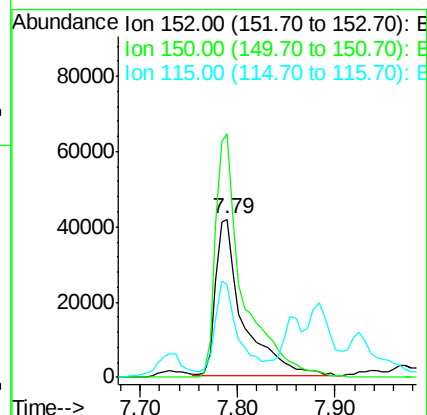
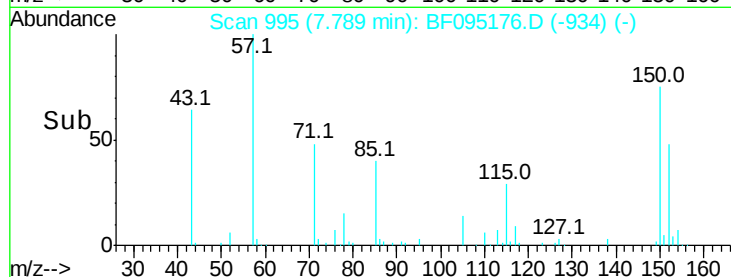
115 58.4 52.2 78.2



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: 110.62 ng

RT: 5.74 min Scan# 646

Delta R.T. 0.06 min

Lab File: BF095176.D

Acq: 17 May 2017 1:52

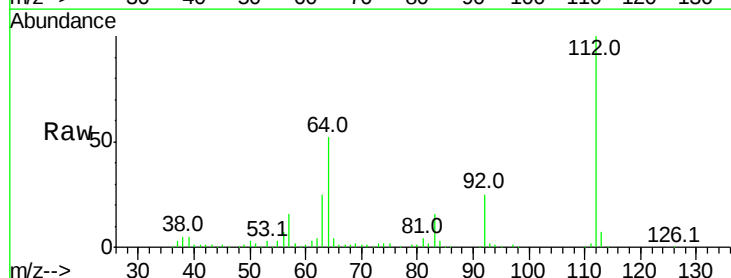
Tgt Ion:112 Resp: 534132

Ion Ratio Lower Upper

112 100

64 52.0 46.0 69.0

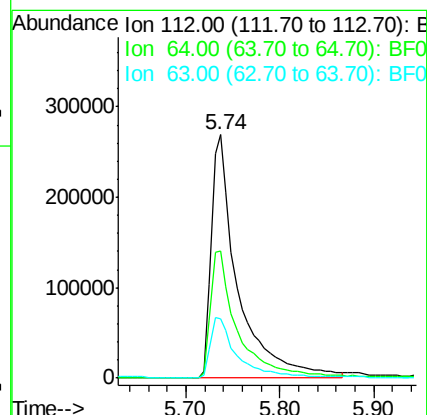
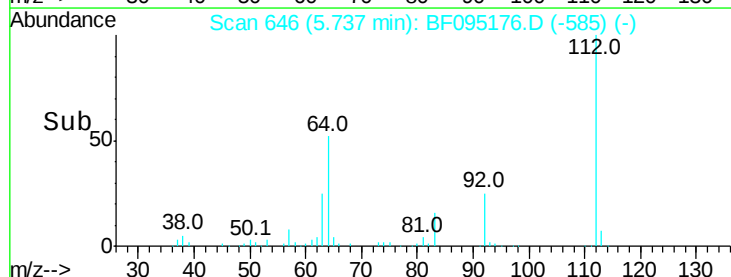
63 24.6 23.4 35.0

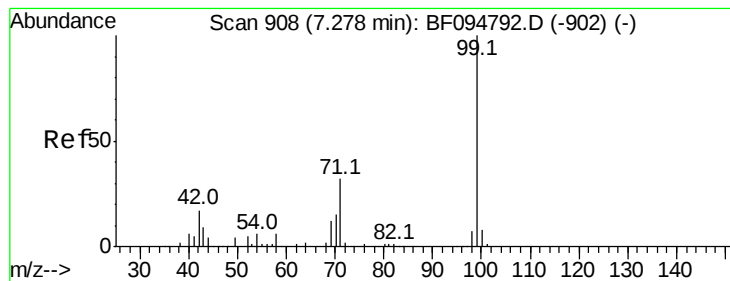


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.68 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.04 min

Lab File: BF095176.D

Acq: 17 May 2017 1:52

Instrument :

BNA_F

ClientSampleId :

DS-1-6

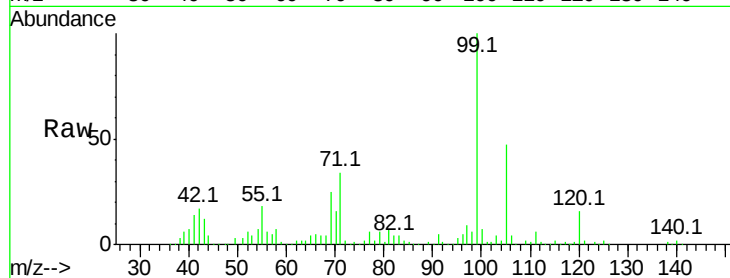
Tot Ion: 99 Resp: 687575

Ion Ratio Lower Upper

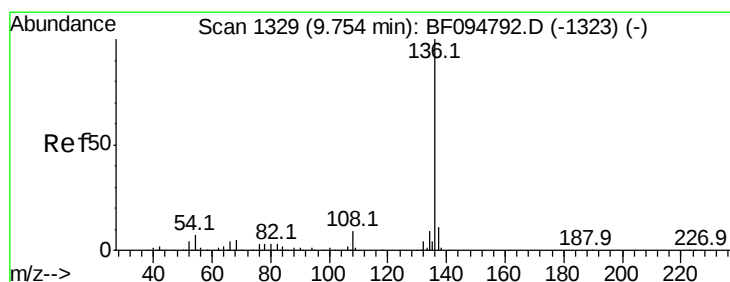
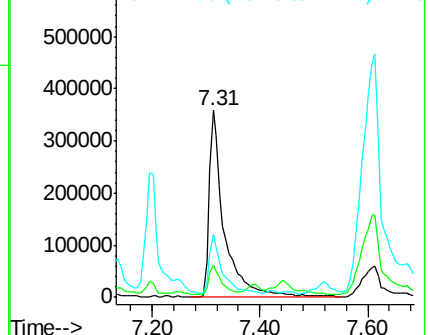
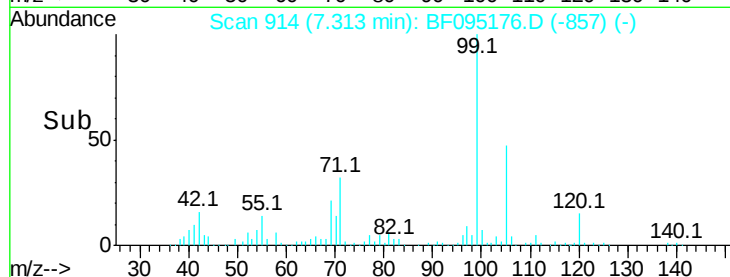
99 100

42 17.4 13.5 20.3

71 33.9 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: 9.81 min Scan# 1338

Delta R.T. 0.05 min

Lab File: BF095176.D

Acq: 17 May 2017 1:52

Tgt Ion: 136 Resp: 236915

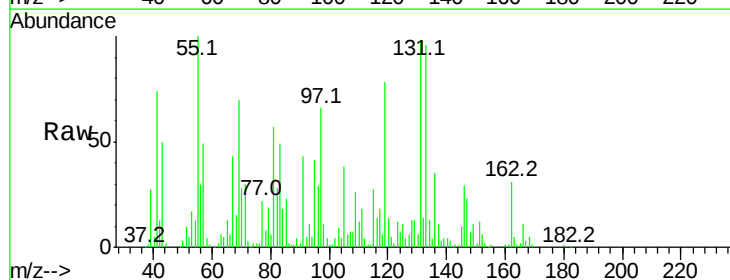
Ion Ratio Lower Upper

136 100

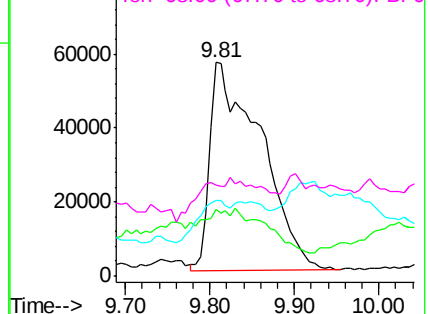
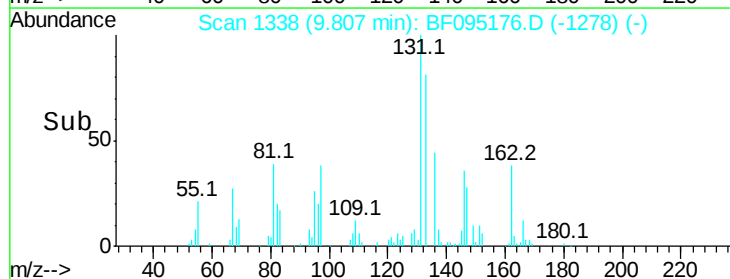
137 31.1 8.5 12.7#

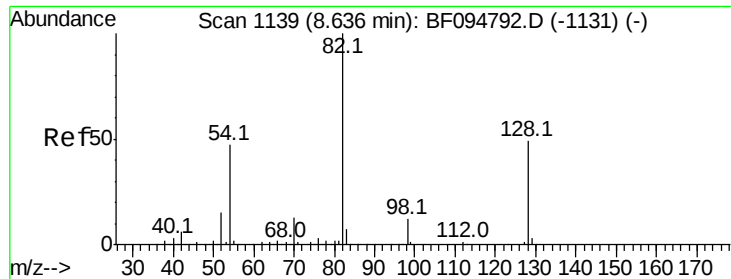
54 35.6 4.9 7.3#

68 42.6 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

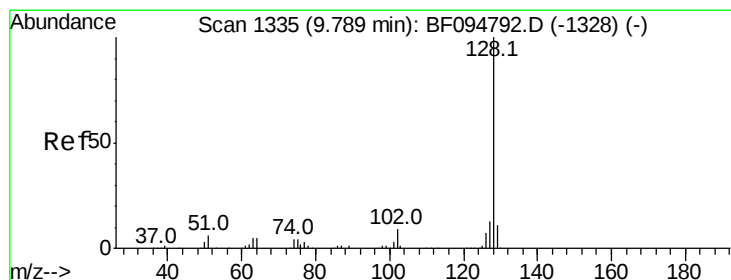
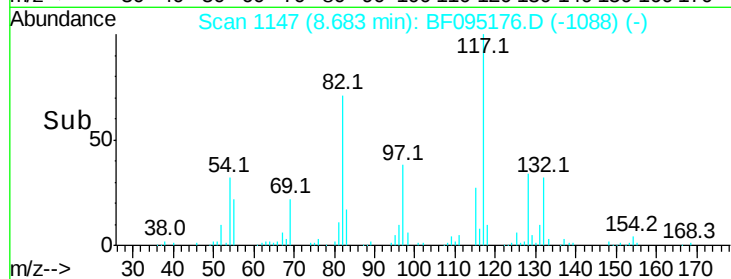
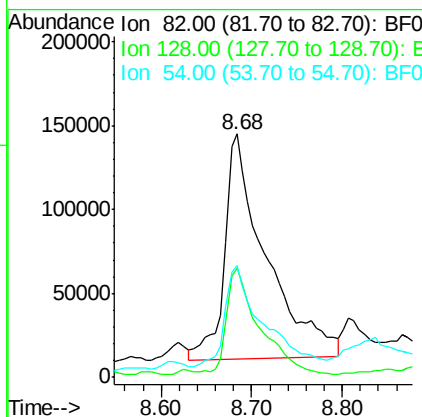
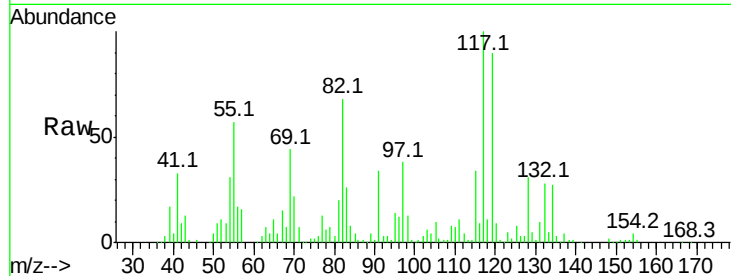




#23
 Nitrobenzene-d5
 Concen: 113.01 ng
 RT: 8.68 min Scan# 1147
 Delta R.T. 0.05 min
 Lab File: BF095176.D
 Acq: 17 May 2017 1:52

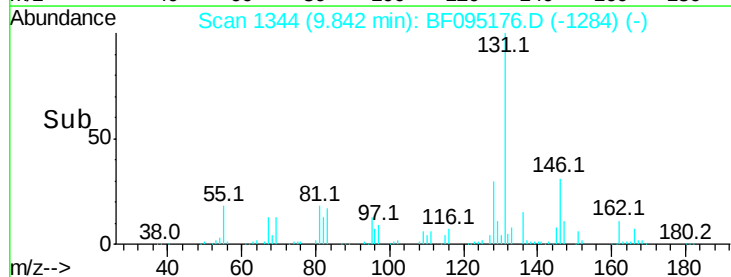
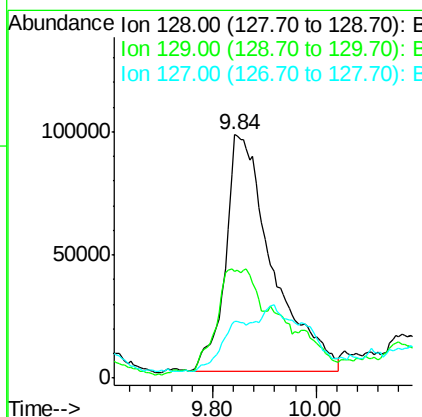
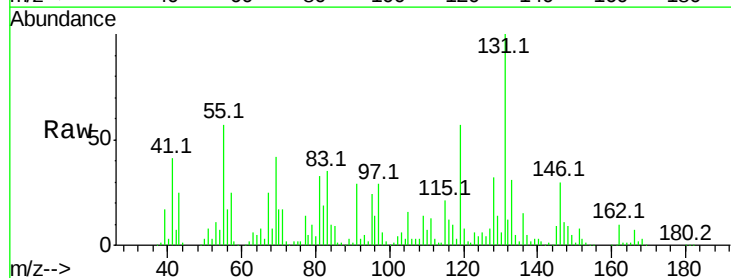
Instrument :
 BNA_F
 ClientSampleId :
 DS-1-6

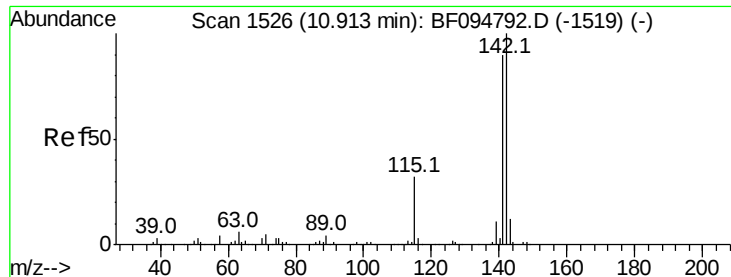
Tot Ion	82	Resp	424590
Ion Ratio	100	Lower	Upper
128	45.0	34.0	51.0
54	45.8	42.2	63.2



#31
 Naphthalene
 Concen: 50.53 ng
 RT: 9.84 min Scan# 1344
 Delta R.T. 0.05 min
 Lab File: BF095176.D
 Acq: 17 May 2017 1:52

Tgt Ion	128	Resp	601655
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	43.7	9.0	13.6#
127	23.1	10.8	16.2#

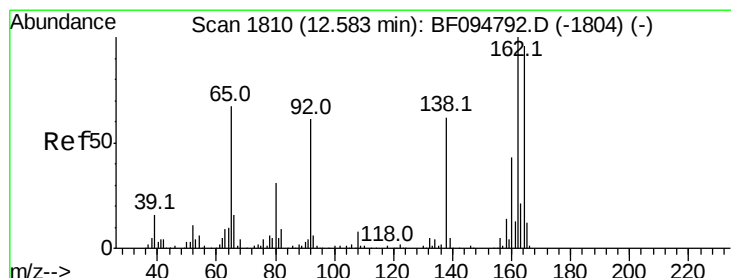
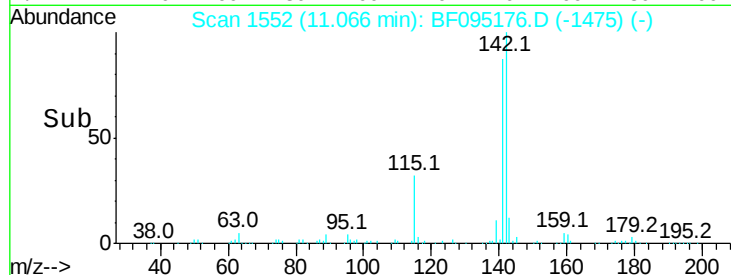
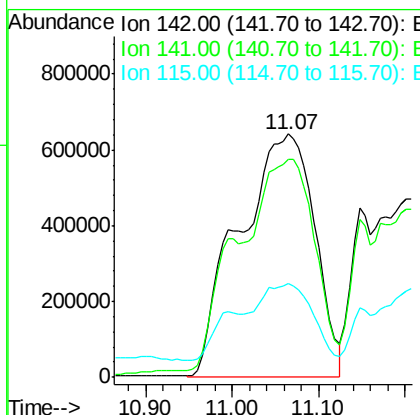
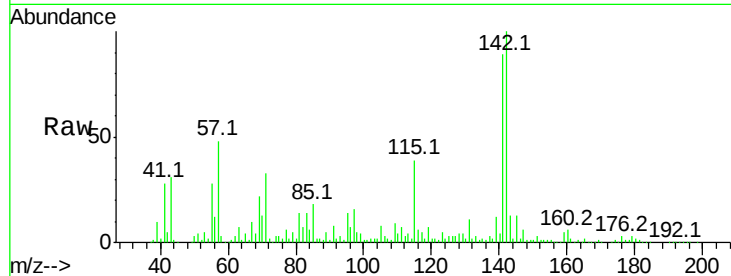




#37
 2-Methylnaphthalene
 Concen: 503.69 ng m
 RT: 11.07 min Scan# 1552
 Delta R.T. 0.15 min
 Lab File: BF095176.D
 Acq: 17 May 2017 1:52

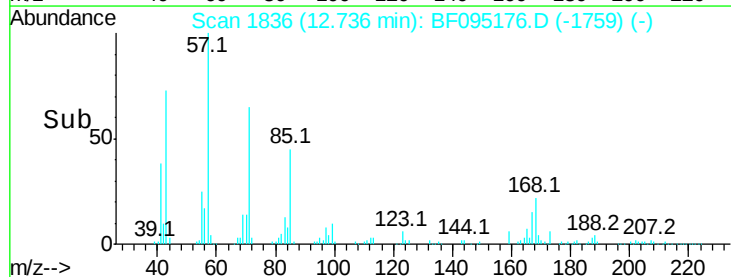
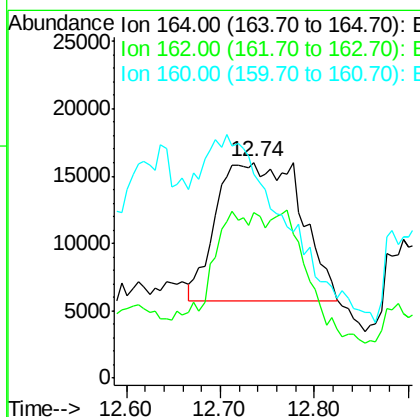
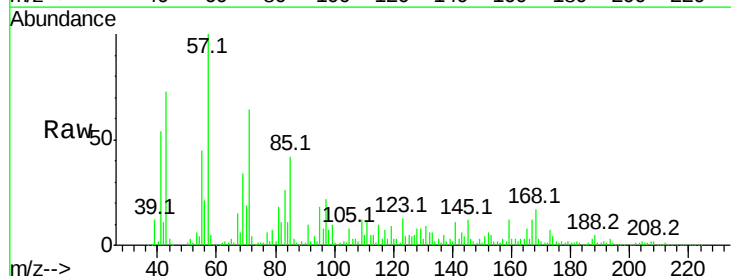
Instrument :
 BNA_F
 ClientSampleId :
 DS-1-6

Tot Ion:142 Resp: 3936184
 Ion Ratio Lower Upper
 142 100
 141 89.4 71.3 106.9
 115 38.5 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng m
 RT: 12.74 min Scan# 1836
 Delta R.T. 0.15 min
 Lab File: BF095176.D
 Acq: 17 May 2017 1:52

Tgt Ion:164 Resp: 63885
 Ion Ratio Lower Upper
 164 100
 162 76.9 82.6 123.8#
 160 94.5 36.2 54.2#

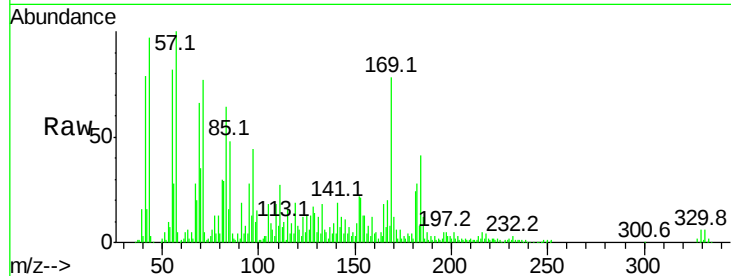




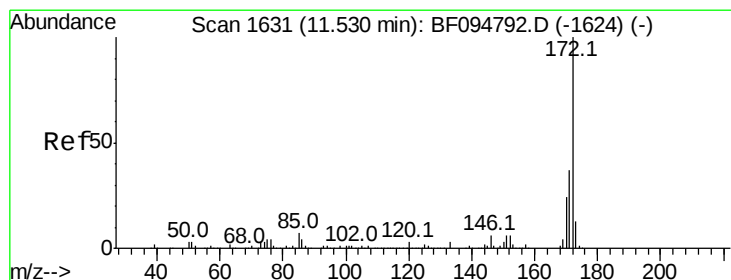
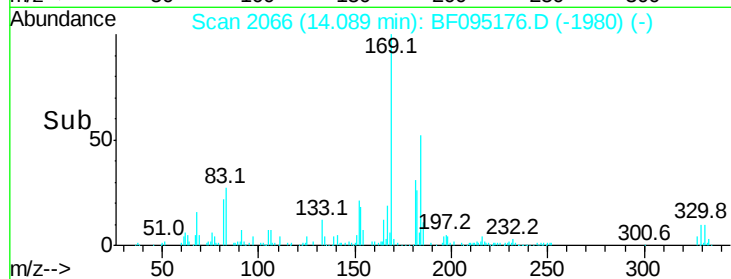
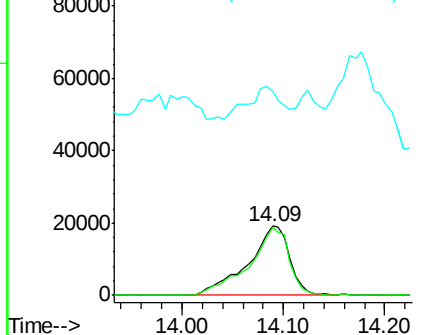
#41
 2,4,6-Tribromophenol
 Concen: 104.52 ng
 RT: 14.09 min Scan# 2066
 Delta R.T. 0.21 min
 Lab File: BF095176.D
 Acq: 17 May 2017 1:52

Instrument :
 BNA_F
 ClientSampleId :
 DS-1-6

Tot Ion:330 Resp: 54685
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 115.0
 141 35.8 31.4 47.2

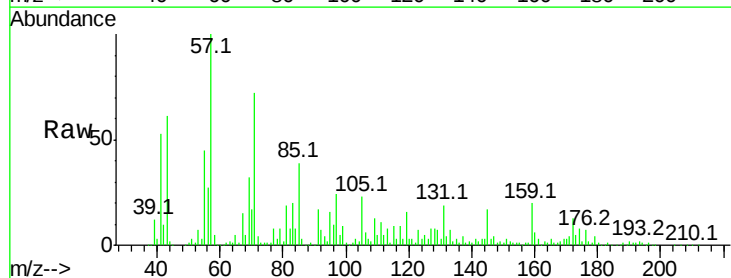


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

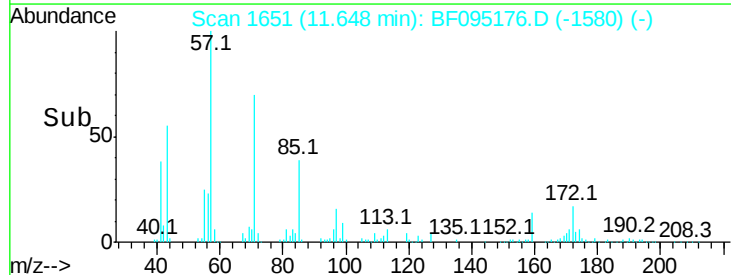
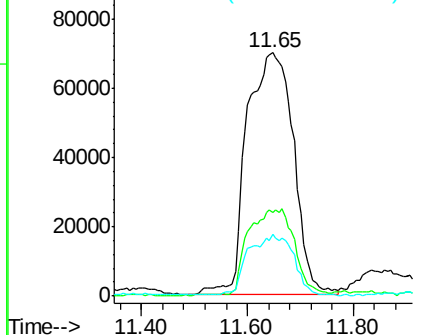


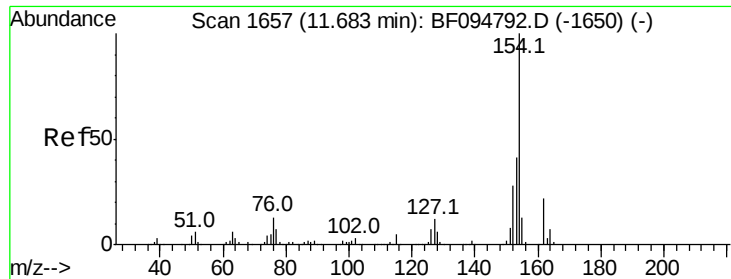
#44
 2-Fluorobiphenyl
 Concen: 96.48 ng
 RT: 11.65 min Scan# 1651
 Delta R.T. 0.12 min
 Lab File: BF095176.D
 Acq: 17 May 2017 1:52

Tgt Ion:172 Resp: 428231
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.6 44.4
 170 25.2 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

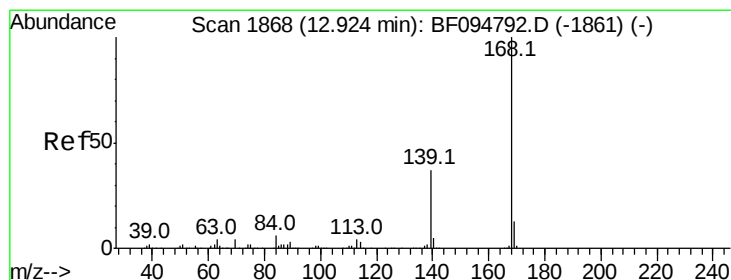
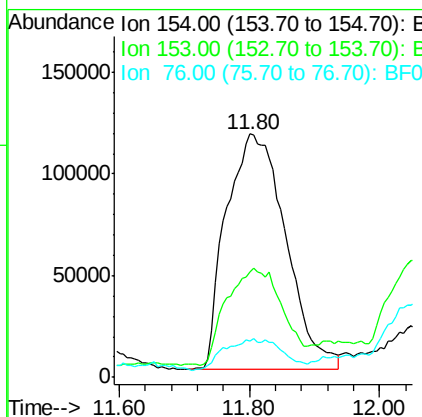
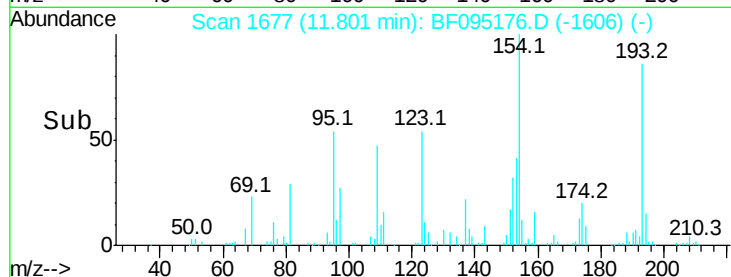
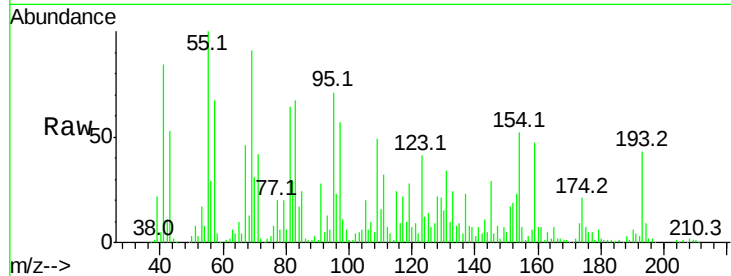




#45
 1,1'-Biphenyl
 Concen: 136.59 ng
 RT: 11.80 min Scan# 1677
 Delta R.T. 0.12 min
 Lab File: BF095176.D
 Acq: 17 May 2017 1:52

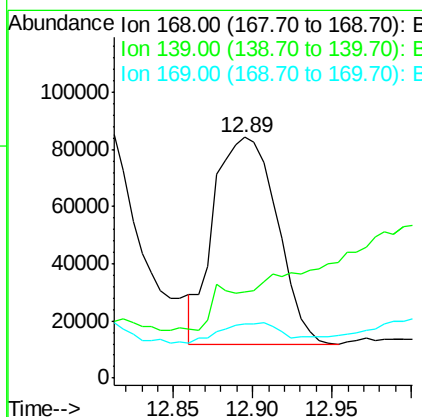
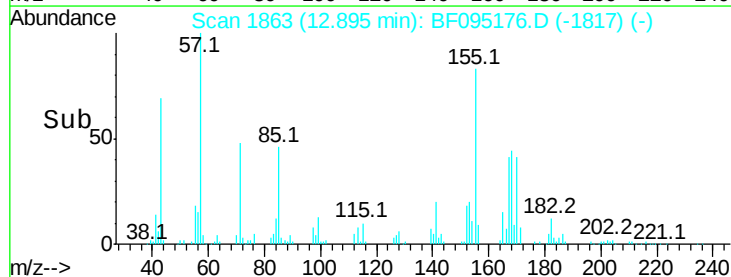
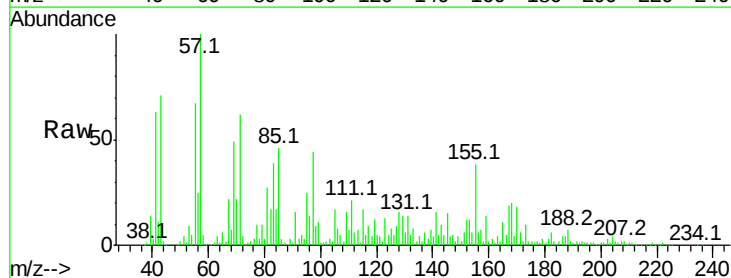
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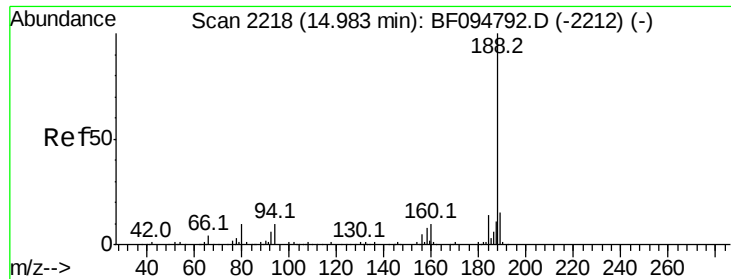
Tot Ion:154 Resp: 734666
 Ion Ratio Lower Upper
 154 100
 153 43.4 21.2 61.2
 76 14.7 0.0 29.9



#54
 Dibenzofuran
 Concen: 35.82 ng
 RT: 12.89 min Scan# 1863
 Delta R.T. -0.03 min
 Lab File: BF095176.D
 Acq: 17 May 2017 1:52

Tgt Ion:168 Resp: 201420
 Ion Ratio Lower Upper
 168 100
 139 35.9 30.6 45.8
 169 22.5 10.8 16.2#

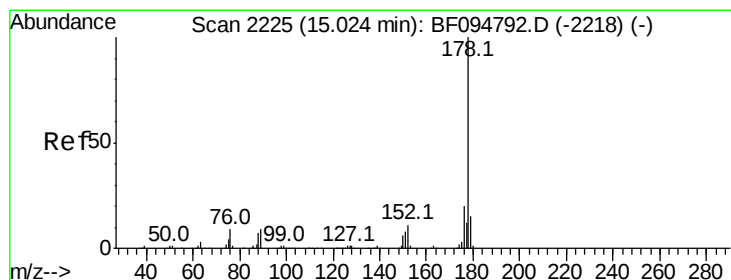
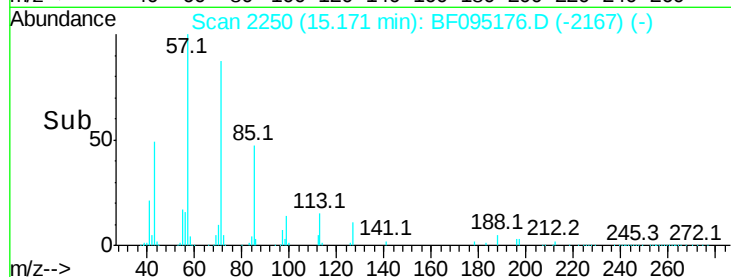
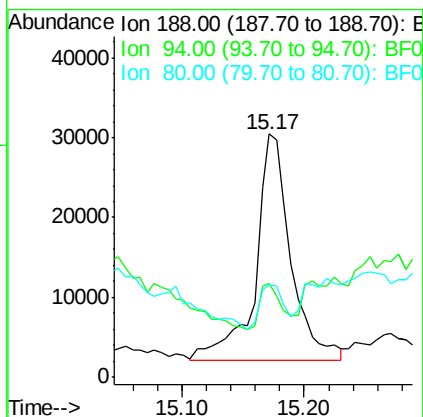
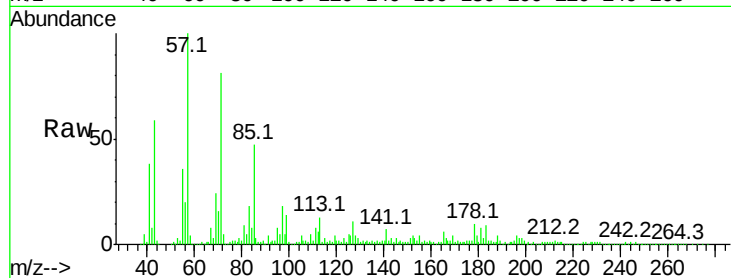




#63
Phenanthrene-d10
Concen: 20.00 ng/mL
RT: 15.17 min Scan# 2250
Delta R.T. 0.19 min
Lab File: BF095176.D
Acq: 17 May 2017 1:52

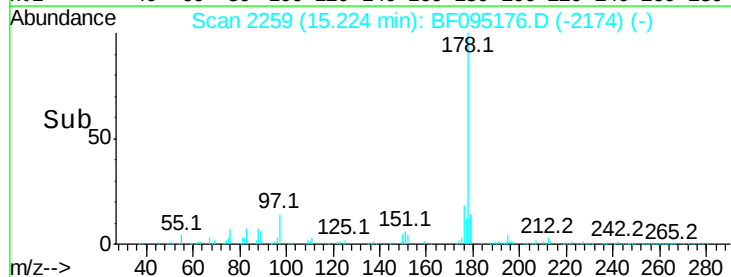
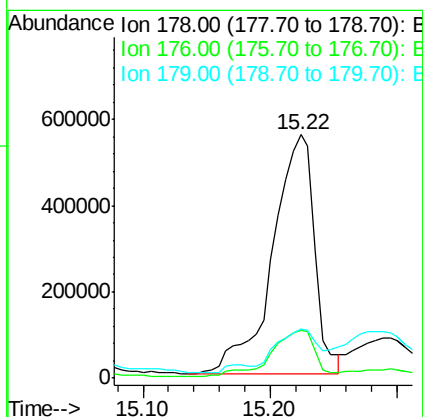
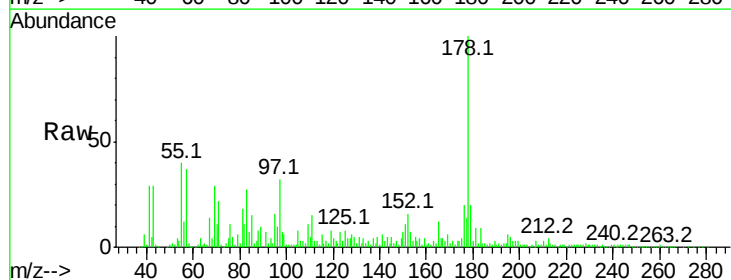
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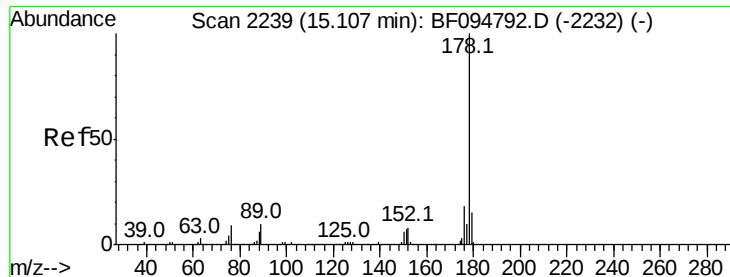
Tot Ion:188 Resp: 56814
Ion Ratio Lower Upper
188 100
94 38.6 9.4 14.2#
80 38.0 10.2 15.2#



#70
Phenanthrene
Concen: 397.71 ng
RT: 15.22 min Scan# 2259
Delta R.T. 0.20 min
Lab File: BF095176.D
Acq: 17 May 2017 1:52

Tgt Ion:178 Resp: 1298285
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 19.9 12.6 19.0#





#71

Anthracene

Concen: 39.53 ng m

RT: 15.29 min Scan# 2271

Delta R.T. 0.19 min

Lab File: BF095176.D

Acq: 17 May 2017 1:52

Instrument :

BNA_F

ClientSampleId :

DS-1-6

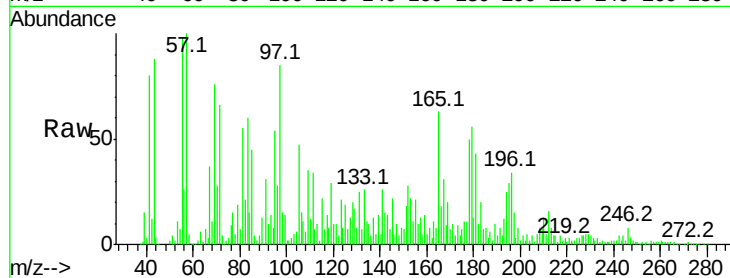
Tot Ion:178 Resp: 131813

Ion Ratio Lower Upper

178 100

176 22.0 15.8 23.8

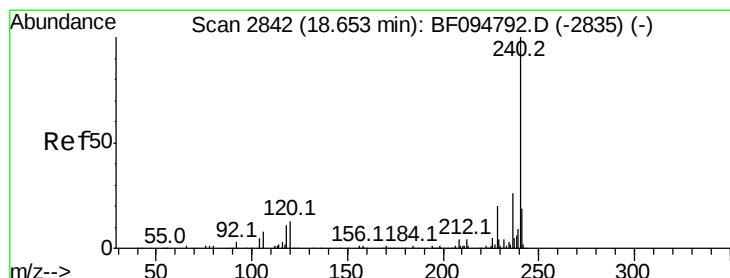
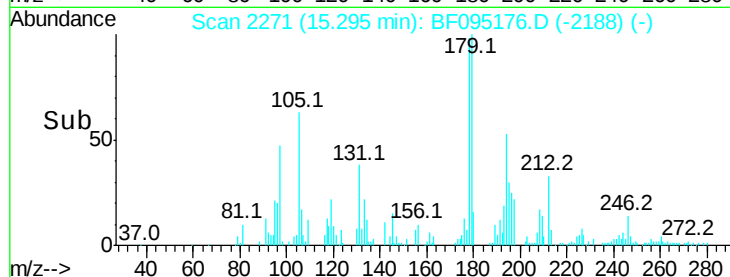
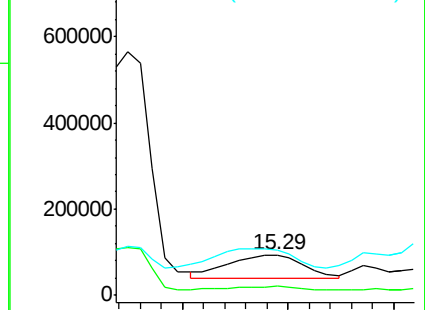
179 112.2 12.7 19.1#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.72 min Scan# 2853

Delta R.T. 0.06 min

Lab File: BF095176.D

Acq: 17 May 2017 1:52

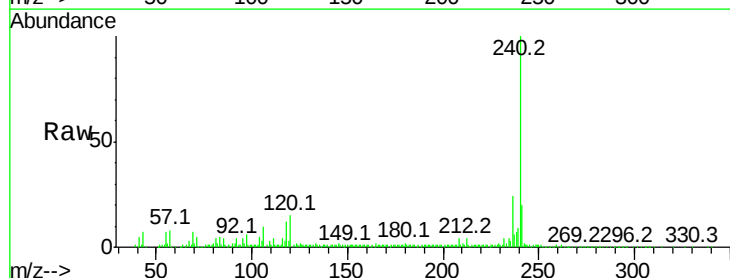
Tgt Ion:240 Resp: 184652

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

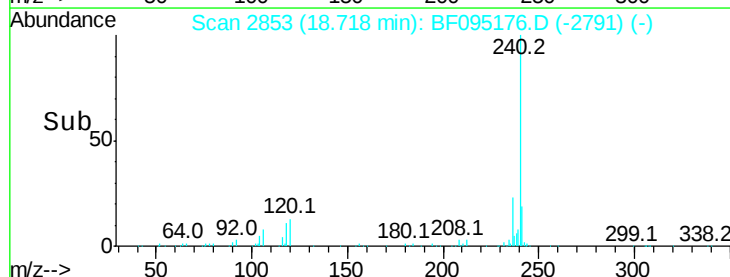
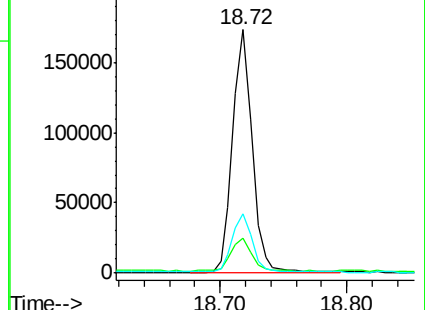
236 24.3 20.5 30.7

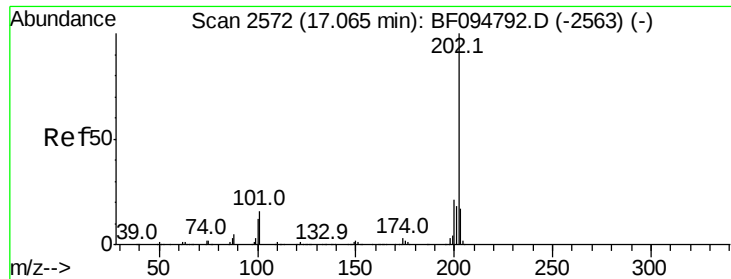


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.88 ng/mL

RT: 17.19 min Scan# 2593

Delta R.T. 0.12 min

Lab File: BF095176.D

Acq: 17 May 2017 1:52

Instrument :

BNA_F

ClientSampleId :

DS-1-6

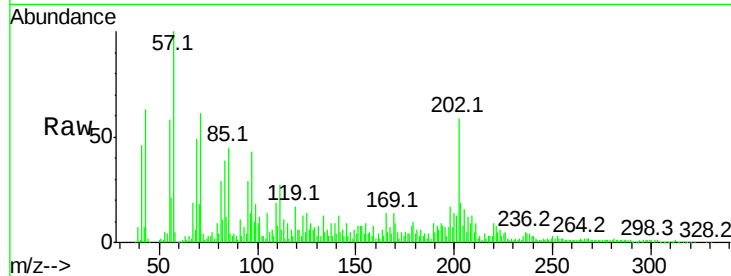
Tot Ion:202 Resp: 108804

Ion Ratio Lower Upper

202 100

200 23.4 17.6 26.4

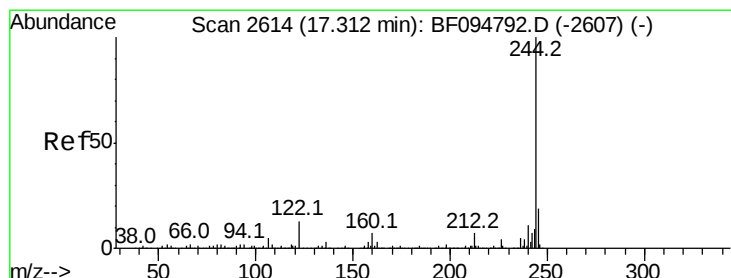
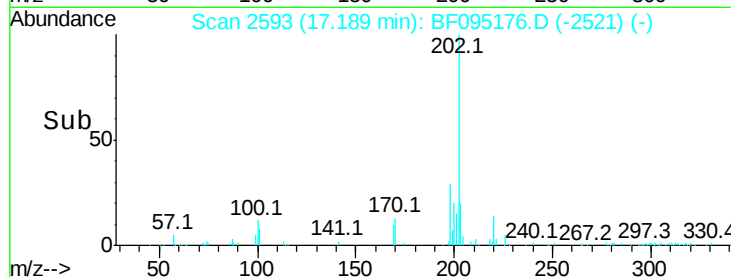
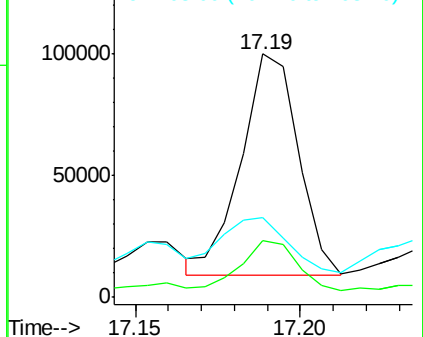
203 32.5 14.4 21.6#



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: 52.29 ng/mL

RT: 17.41 min Scan# 2630

Delta R.T. 0.09 min

Lab File: BF095176.D

Acq: 17 May 2017 1:52

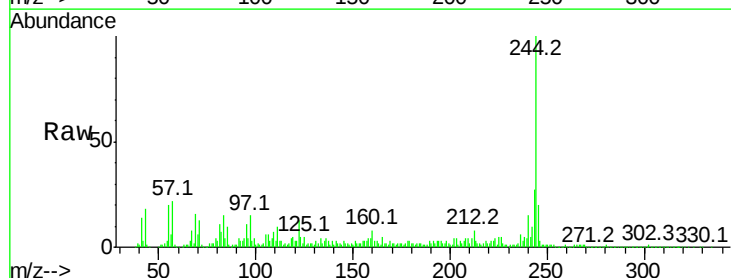
Tgt Ion:244 Resp: 438347

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

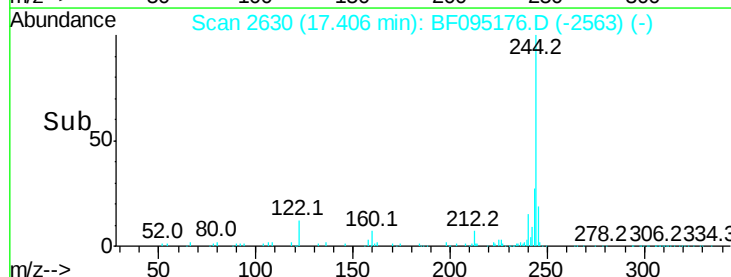
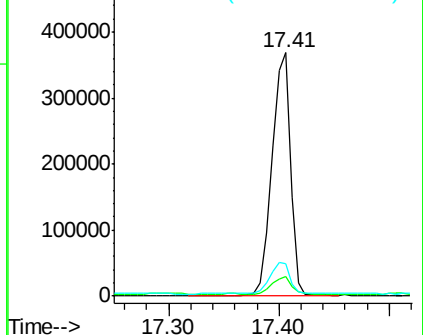
122 13.1 10.3 15.5

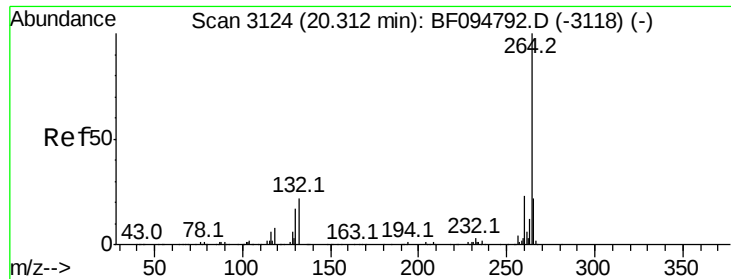


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3134
Delta R.T. 0.06 min
Lab File: BF095176.D
Acq: 17 May 2017 1:52

Instrument :
BNA_F
ClientSampleId :
DS-1-6

Tot Ion:264 Resp: 125721
Ion Ratio Lower Upper
264 100
260 22.8 19.5 29.3
265 21.2 17.2 25.8

