

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095182.D
 Acq On : 17 May 2017 5:38
 Operator : SJ/MA
 Sample : I3153-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DS-4-4

Quant Time: May 17 08:57:13 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

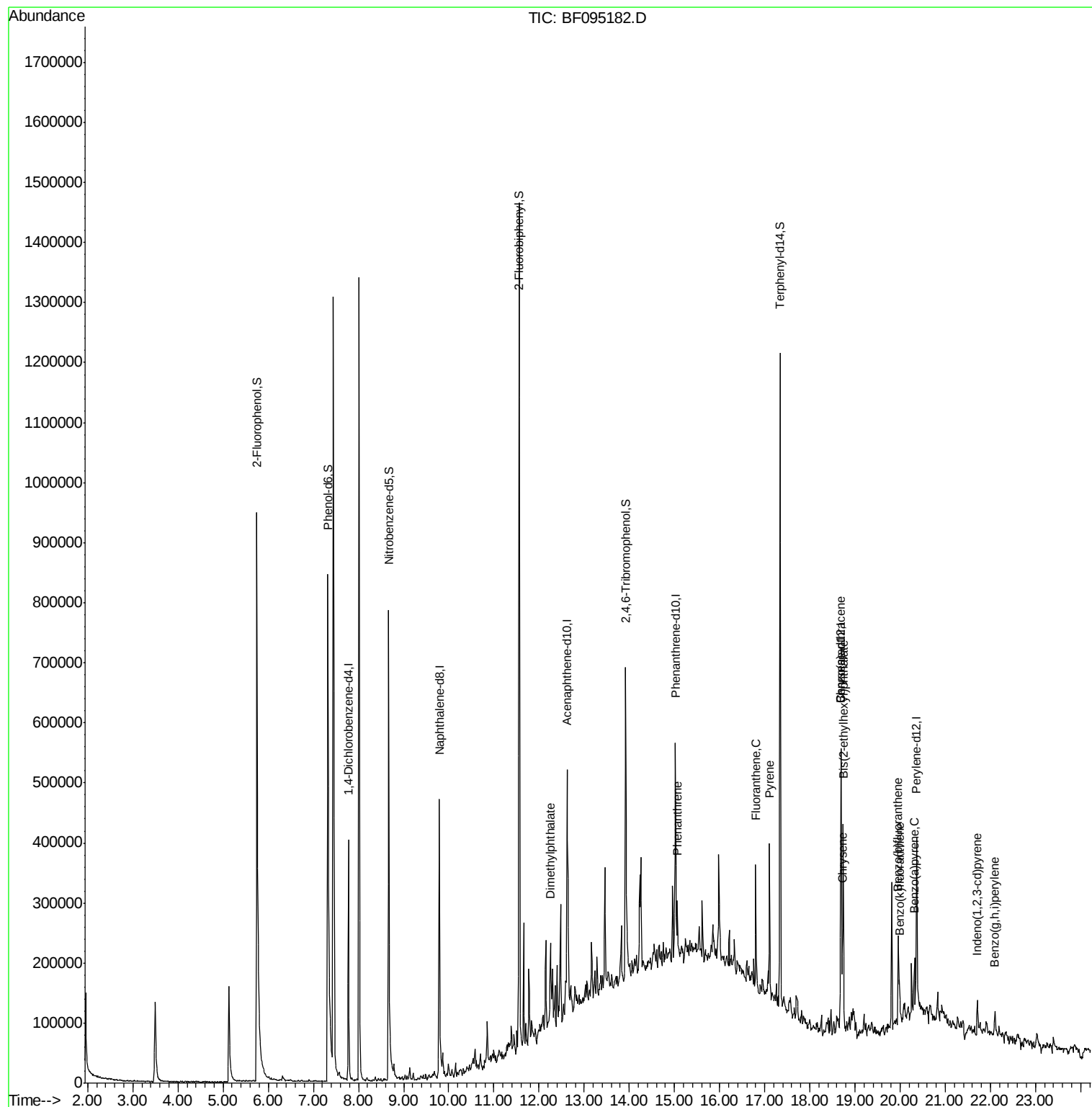
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	90669	20.00	ng	0.05
21) Naphthalene-d8	9.79	136	349581	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	116131	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	176730	20.00	ng	0.04
75) Chrysene-d12	18.69	240	175498	20.00	ng	0.04
86) Perylene-d12	20.36	264	131547	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	616851	113.43	ng	0.07
7) Phenol-d6	7.32	99	661078	101.31	ng	0.04
23) Nitrobenzene-d5	8.67	82	415071	74.87	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	92453	97.21	ng	0.04
44) 2-Fluorobiphenyl	11.56	172	615421	76.28	ng	0.03
78) Terphenyl-d14	17.34	244	402815	50.55	ng	0.03
Target Compounds						Qvalue
49) Dimethylphthalate	12.25	163	81988	8.60	ng	# 98
70) Phenanthrene	15.07	178	57650	5.68	ng	98
74) Fluoranthene	16.81	202	117241	11.26	ng	97
77) Pyrene	17.11	202	113354	8.64	ng	98
80) Benzo(a)anthracene	18.68	228	53323m	5.22	ng	
82) Chrysene	18.72	228	67517	6.84	ng	96
83) Bis(2-ethylhexyl)phthalate	18.74	149	114113	13.12	ng	99
85) Indeno(1,2,3-cd)pyrene	21.71	276	28809	3.59	ng	94
87) Benzo(b)fluoranthene	19.96	252	68690m	8.45	ng	
88) Benzo(k)fluoranthene	19.99	252	29172m	3.72	ng	
89) Benzo(a)pyrene	20.32	252	41901	5.59	ng	# 95
91) Benzo(a,h,i)perylene	22.10	276	31786	5.23	ng	96

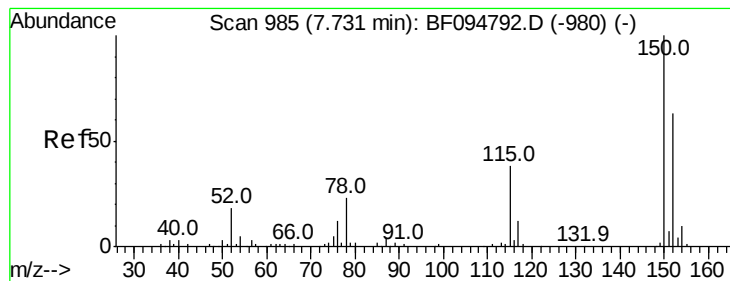
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.78 min Scan# 993

Delta R.T. 0.05 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

BNA_F

ClientSampleId :

DS-4-4

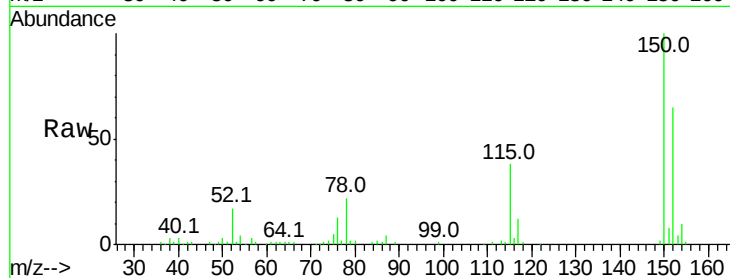
Tot Ion:152 Resp: 90669

Ion Ratio Lower Upper

152 100

150 153.3 126.2 189.2

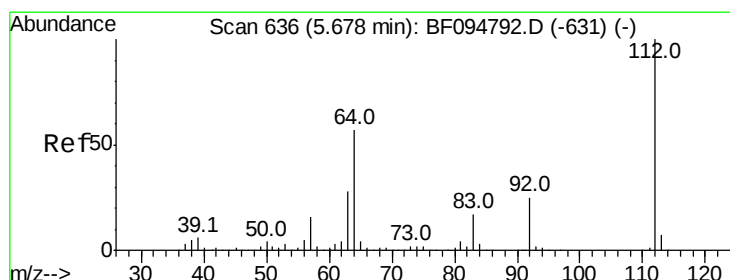
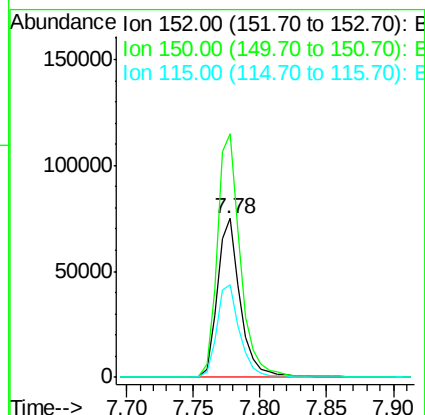
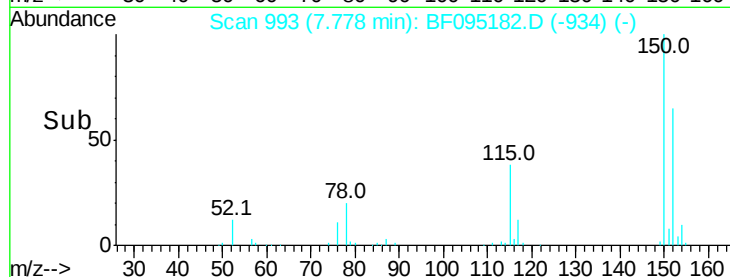
115 58.2 52.2 78.2



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: 113.43 ng

RT: 5.75 min Scan# 648

Delta R.T. 0.07 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

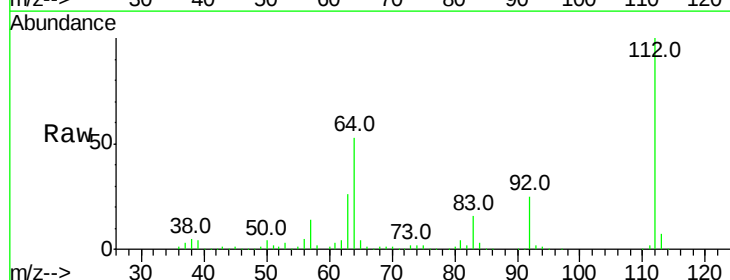
Tgt Ion:112 Resp: 616851

Ion Ratio Lower Upper

112 100

64 52.8 46.0 69.0

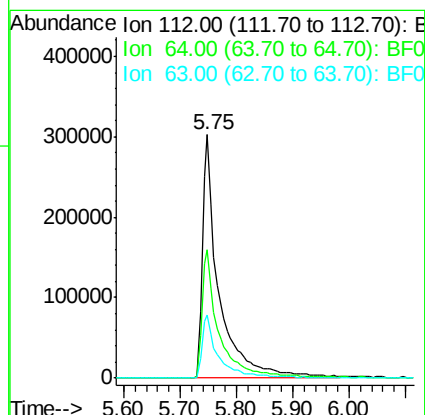
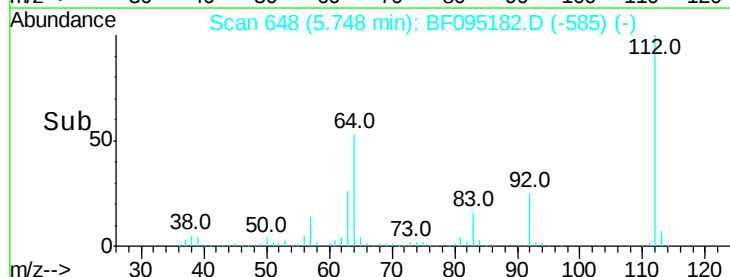
63 25.9 23.4 35.0



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: 101.31 ng

RT: 7.32 min Scan# 915

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

BNA_F

ClientSampleId :

DS-4-4

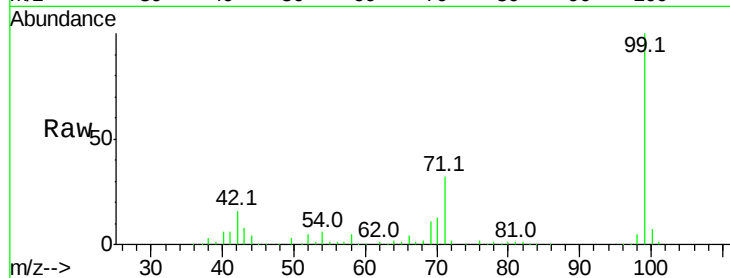
Tot Ion: 99 Resp: 661078

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

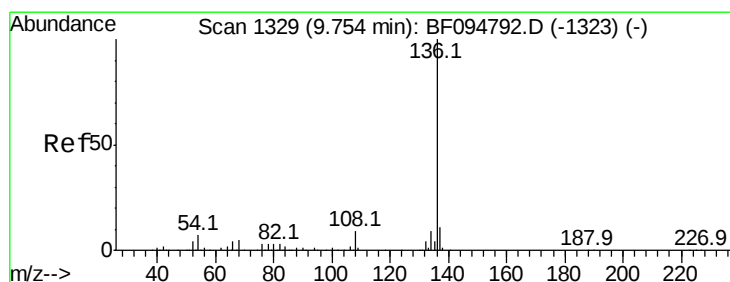
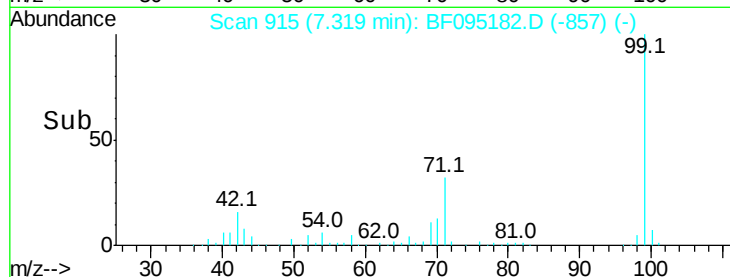
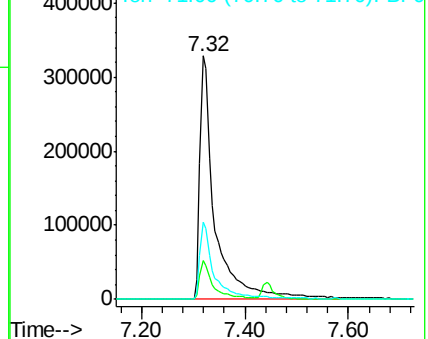
71 31.8 24.5 36.7



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: BF095182.D

Acq: 17 May 2017 5:38

Tgt Ion: 136 Resp: 349581

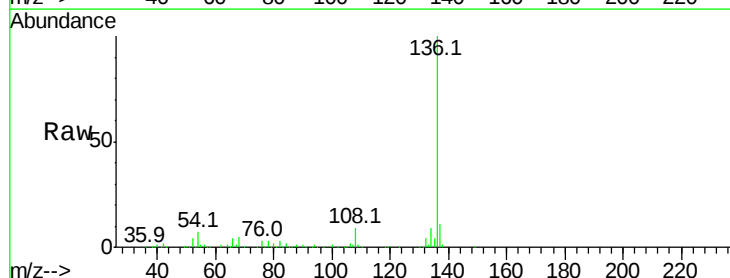
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.6 4.9 7.3

68 5.4 4.1 6.1

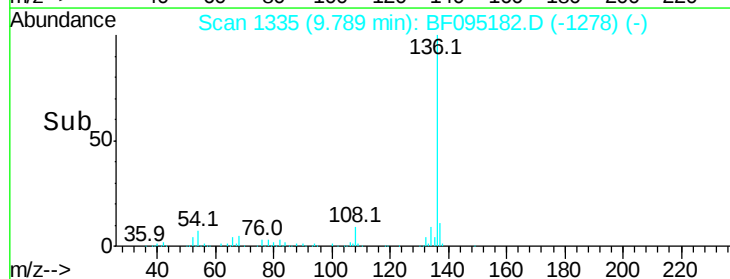
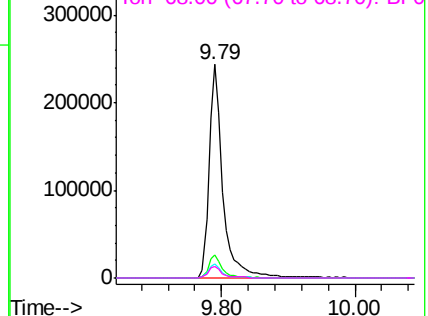


Abundance Ion 136.00 (135.70 to 136.70): E

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

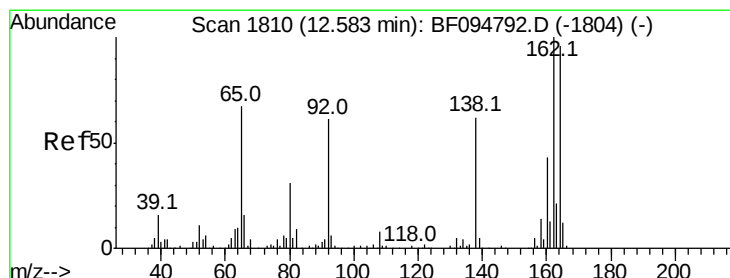
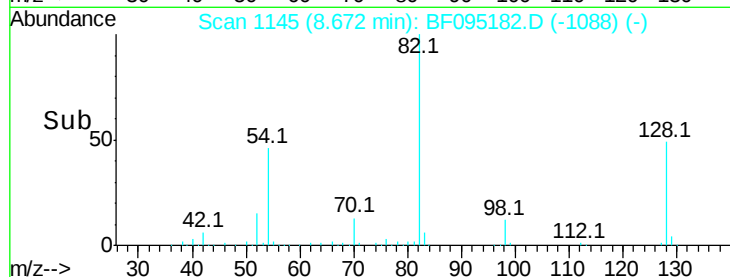
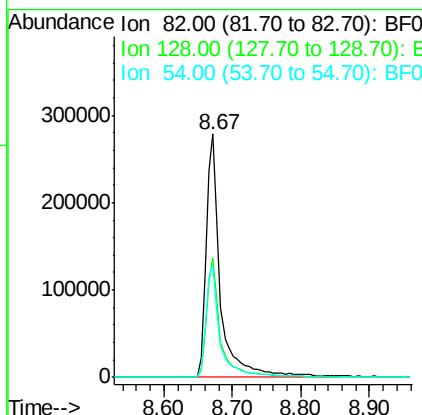
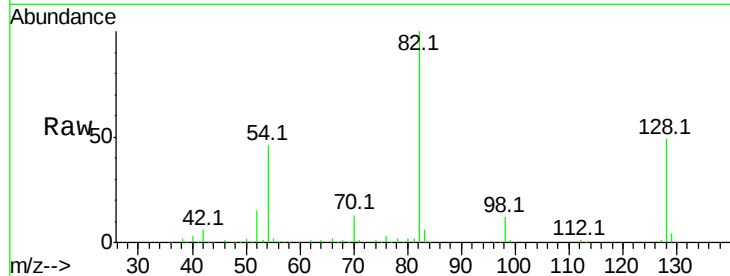




#23
 Nitrobenzene-d5
 Concen: 74.87 ng
 RT: 8.67 min Scan# 1145
 Delta R.T. 0.04 min
 Lab File: BF095182.D
 Acq: 17 May 2017 5:38

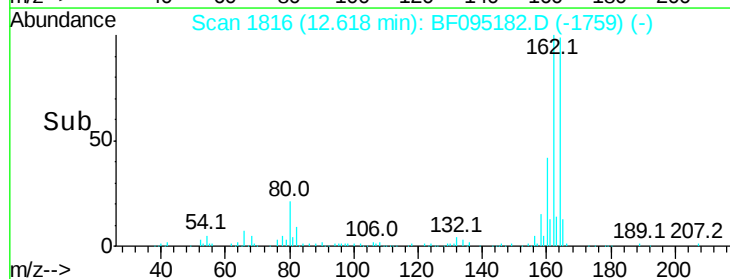
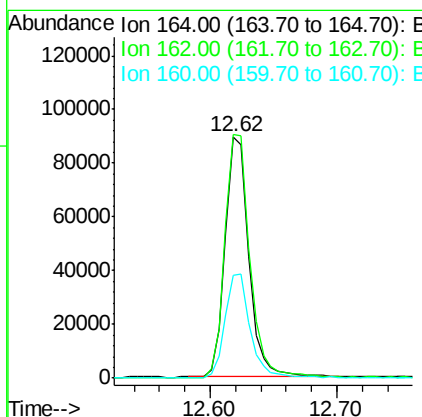
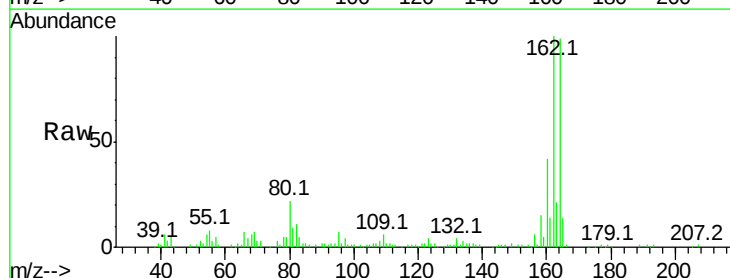
Instrument :
 BNA_F
 ClientSampleId :
 DS-4-4

Tot Ion: 82 Resp: 415071
 Ion Ratio Lower Upper
 82 100
 128 48.8 34.0 51.0
 54 45.9 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: BF095182.D
 Acq: 17 May 2017 5:38

Tgt Ion:164 Resp: 116131
 Ion Ratio Lower Upper
 164 100
 162 100.8 82.6 123.8
 160 42.6 36.2 54.2

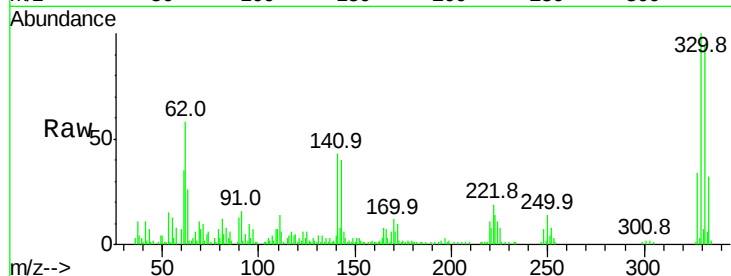




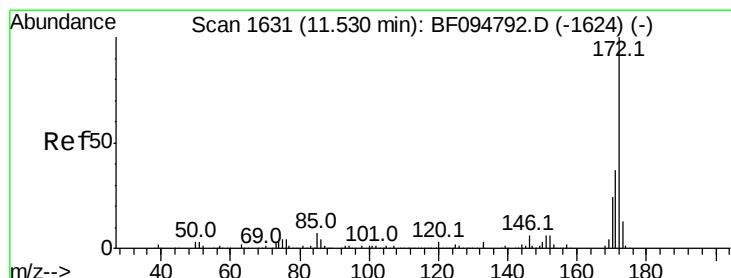
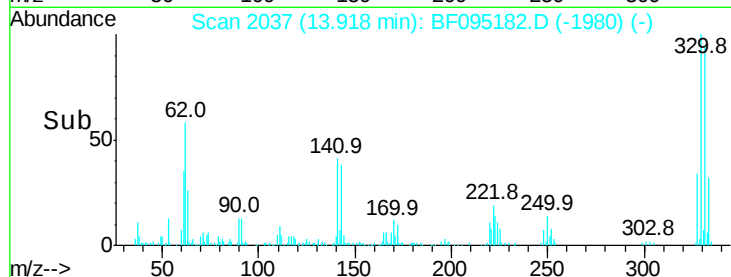
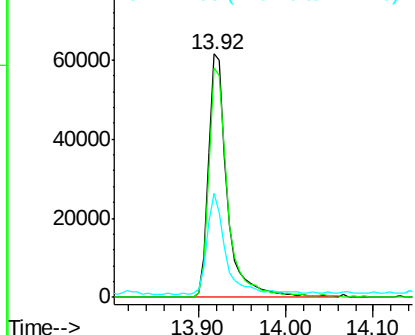
#41
 2,4,6-Tribromophenol
 Concen: 97.21 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. 0.04 min
 Lab File: BF095182.D
 Acq: 17 May 2017 5:38

Instrument :
 BNA_F
 ClientSampleId :
 DS-4-4

Tot Ion:330 Resp: 92453
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 115.0
 141 38.6 31.4 47.2

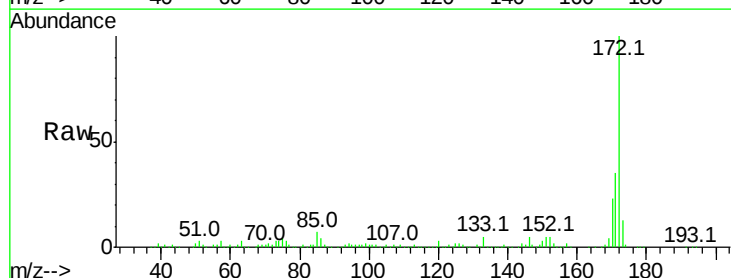


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

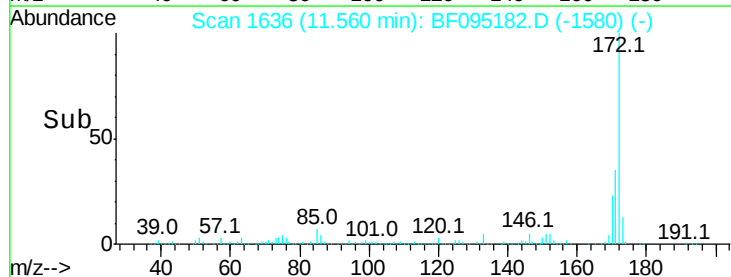
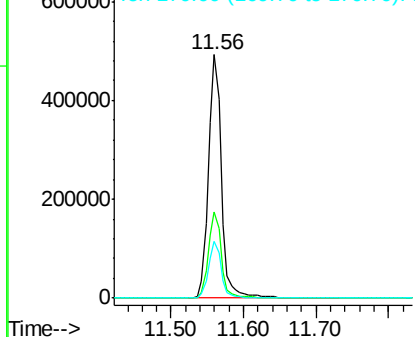


#44
 2-Fluorobiphenyl
 Concen: 76.28 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. 0.03 min
 Lab File: BF095182.D
 Acq: 17 May 2017 5:38

Tgt Ion:172 Resp: 615421
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 23.3 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





#49

Dimethylphthalate

Concen: 8.60 ng

RT: 12.25 min Scan# 1754

Delta R.T. 0.02 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

BNA_F

ClientSampleId :

DS-4-4

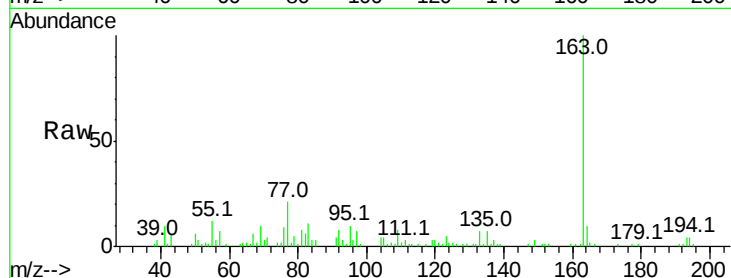
Tot Ion:163 Resp: 81988

Ion Ratio Lower Upper

163 100

194 4.1 2.6 4.0#

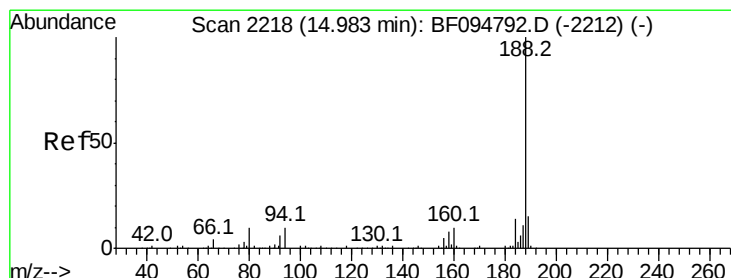
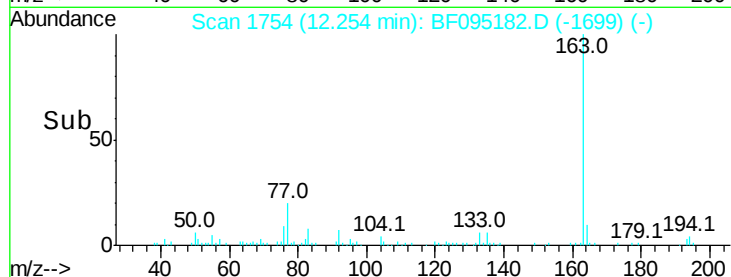
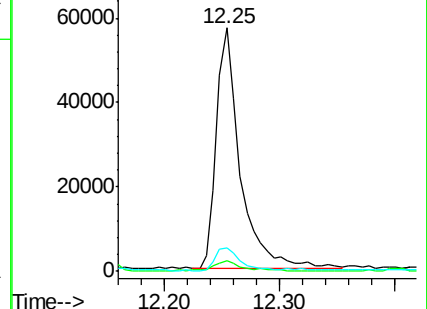
164 9.7 8.4 12.6



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: 15.02 min Scan# 2225

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

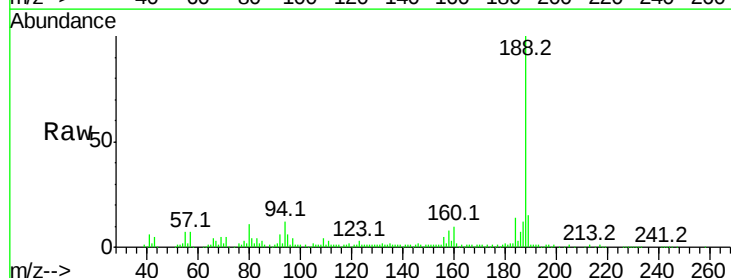
Tgt Ion:188 Resp: 176730

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

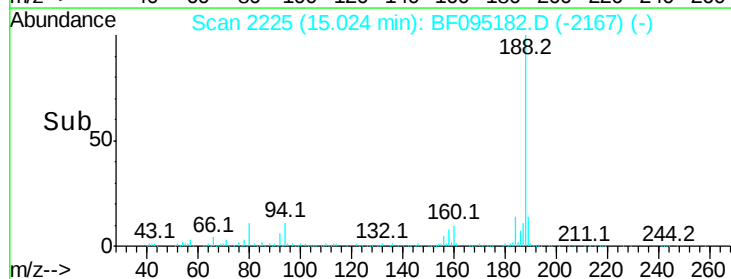
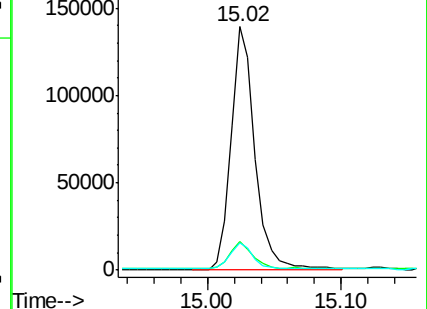
80 11.3 10.2 15.2

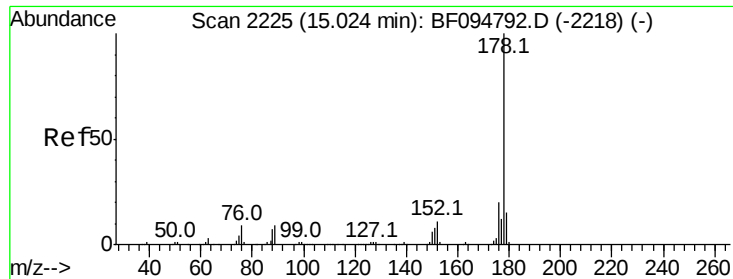


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.68 ng

RT: 15.07 min Scan# 2232

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

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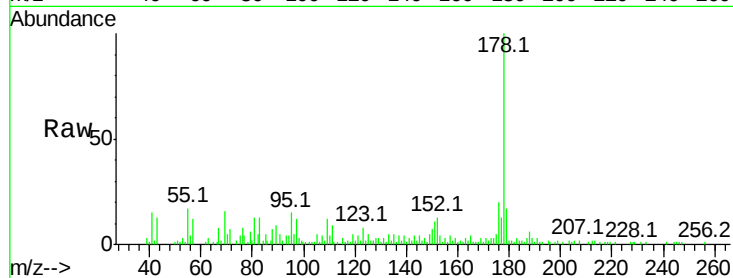
Tot Ion:178 Resp: 57650

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

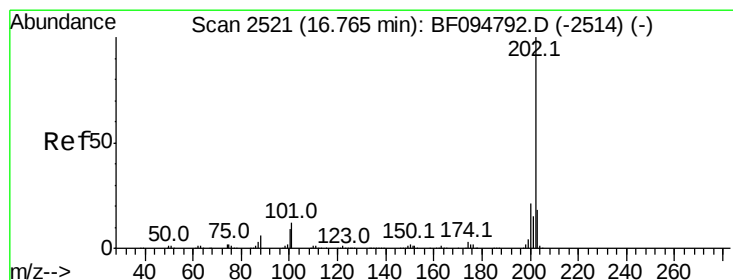
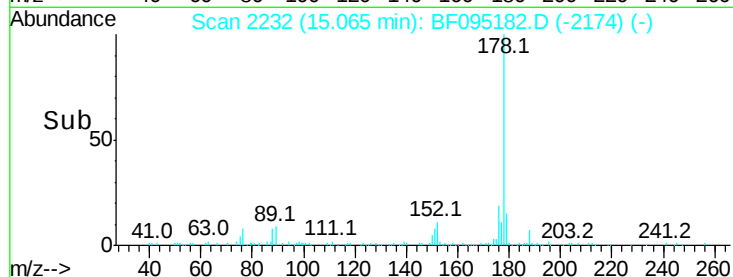
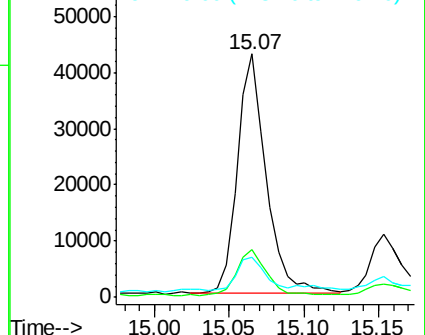
179 16.6 12.6 19.0



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



#74

Fluoranthene

Concen: 11.26 ng

RT: 16.81 min Scan# 2528

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

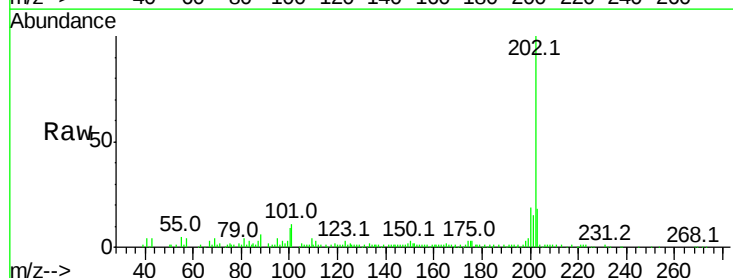
Tgt Ion:202 Resp: 117241

Ion Ratio Lower Upper

202 100

101 11.0 0.0 33.2

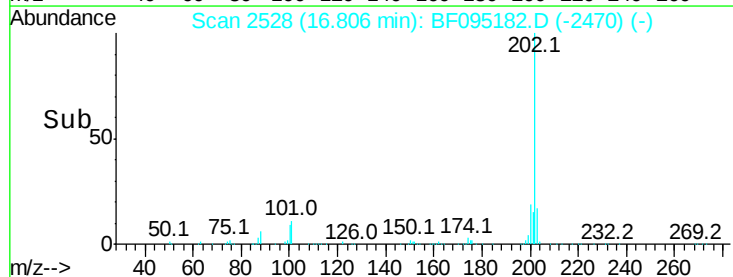
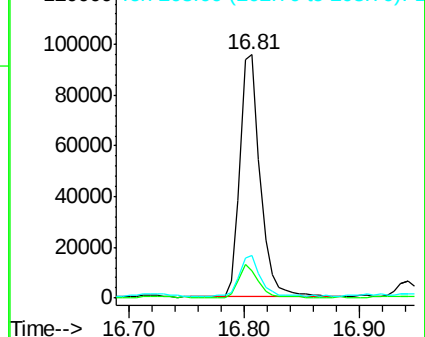
203 17.7 0.0 38.1

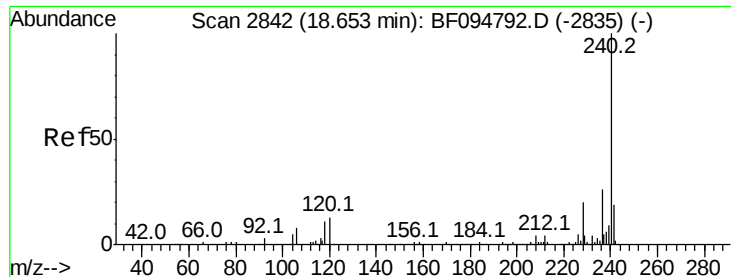


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2849

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

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DS-4-4

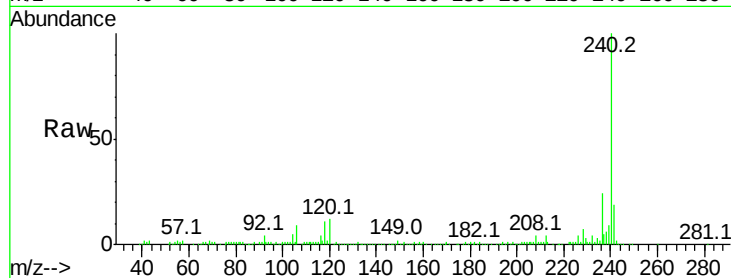
Tot Ion:240 Resp: 175498

Ion Ratio Lower Upper

240 100

120 12.3 5.8 8.8#

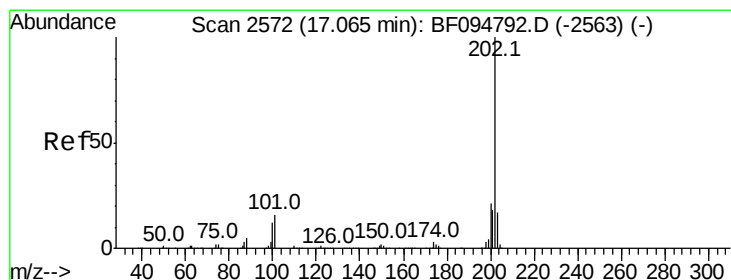
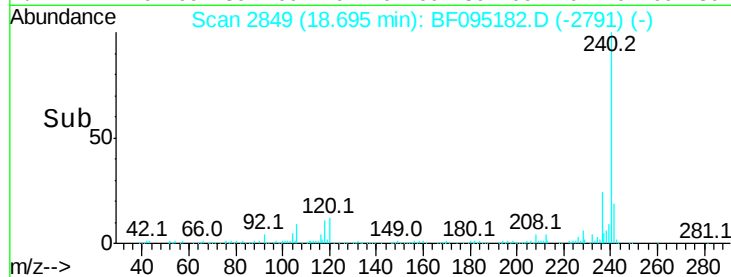
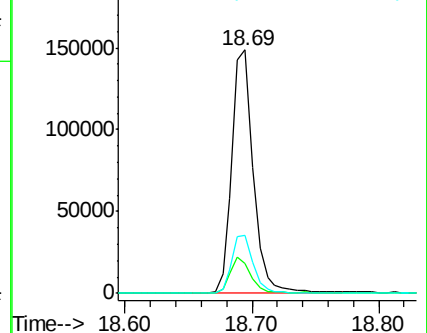
236 23.7 20.5 30.7



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

Pyrene

Concen: 8.64 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

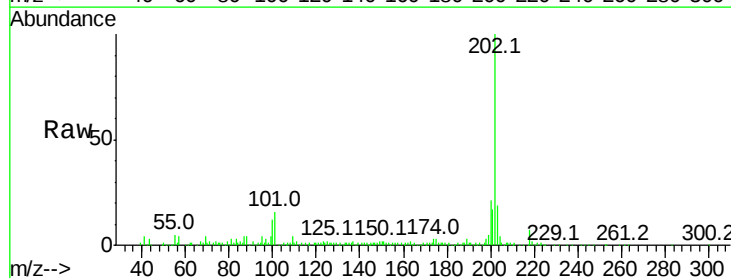
Tgt Ion:202 Resp: 113354

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

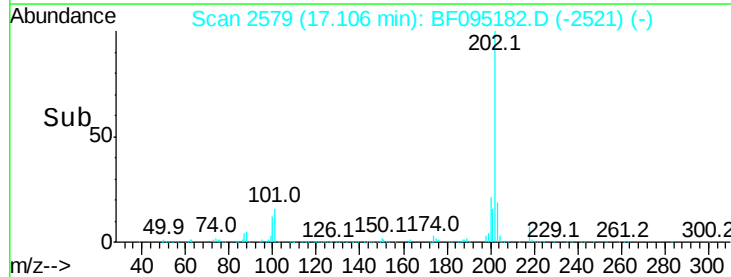
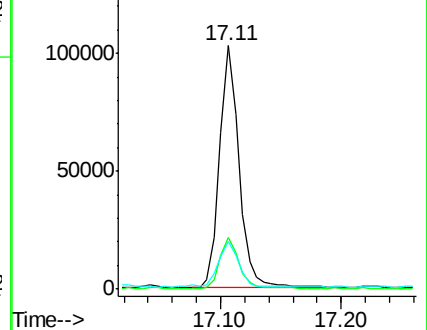
203 19.4 14.4 21.6

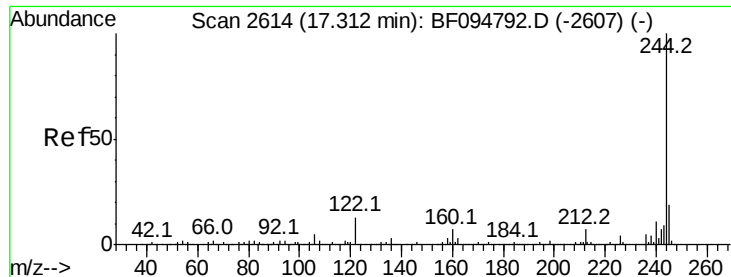


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.55 ng

RT: 17.34 min Scan# 2619

Delta R.T. 0.03 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

BNA_F

ClientSampleId :

DS-4-4

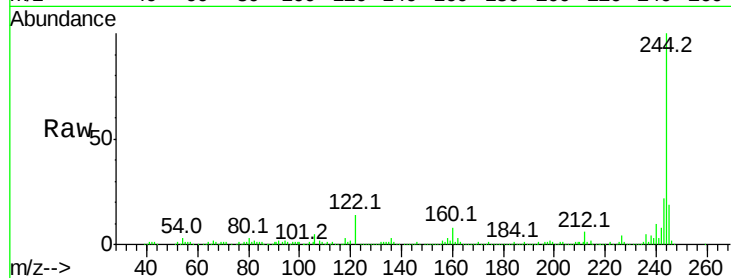
Tot Ion:244 Resp: 402815

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

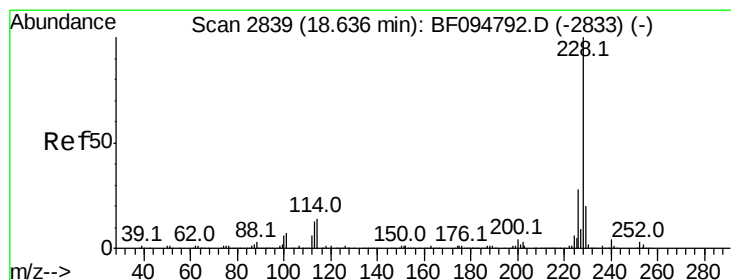
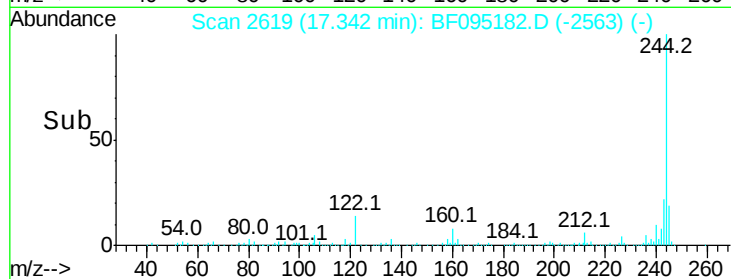
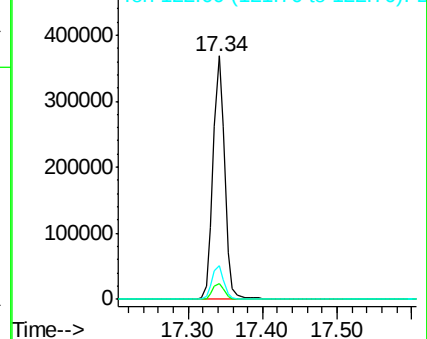
122 13.7 10.3 15.5



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: 5.22 ng m

RT: 18.68 min Scan# 2847

Delta R.T. 0.05 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

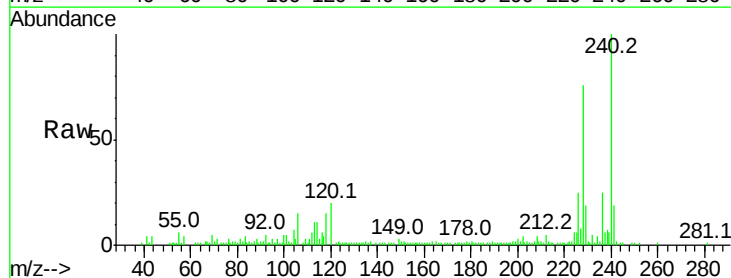
Tgt Ion:228 Resp: 53323

Ion Ratio Lower Upper

228 100

226 32.6 22.6 33.8

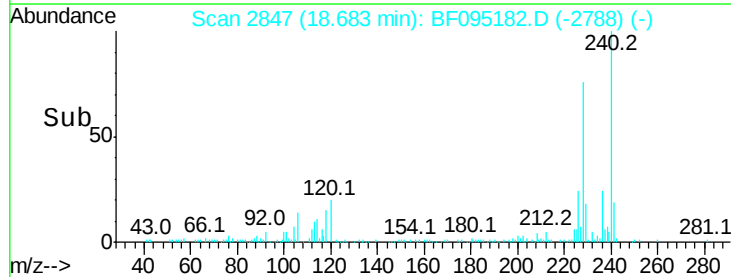
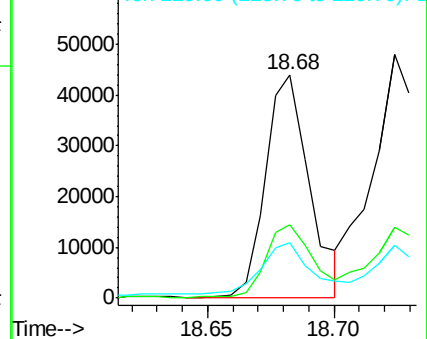
229 25.1 16.3 24.5#

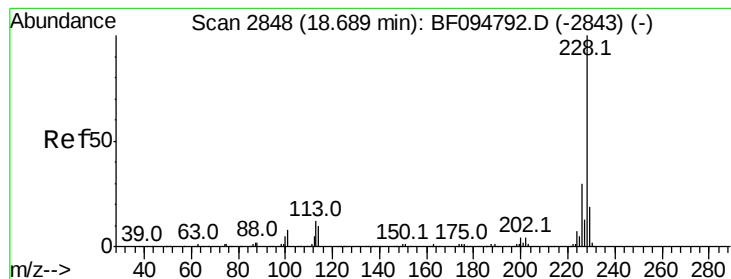


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.84 ng

RT: 18.72 min Scan# 2854

Delta R.T. 0.04 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

BNA_F

ClientSampleId :

DS-4-4

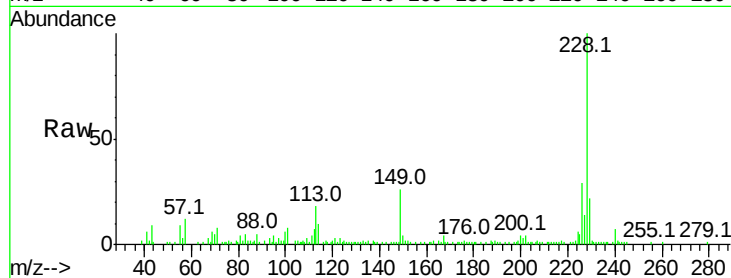
Tot Ion:228 Resp: 67517

Ion Ratio Lower Upper

228 100

226 29.1 24.9 37.3

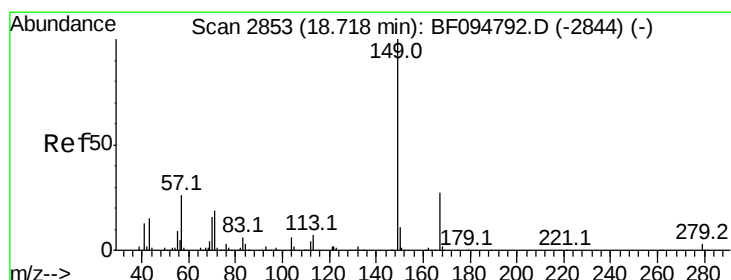
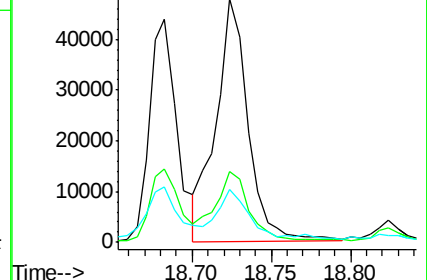
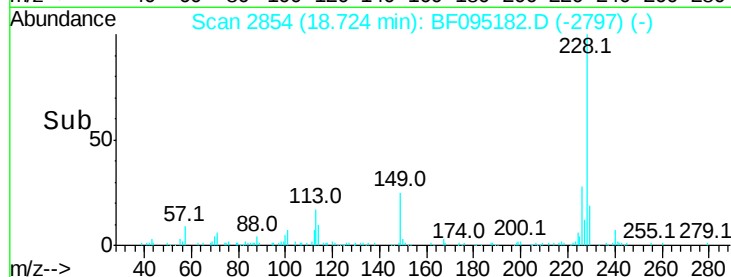
229 21.6 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 13.12 ng

RT: 18.74 min Scan# 2857

Delta R.T. 0.02 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

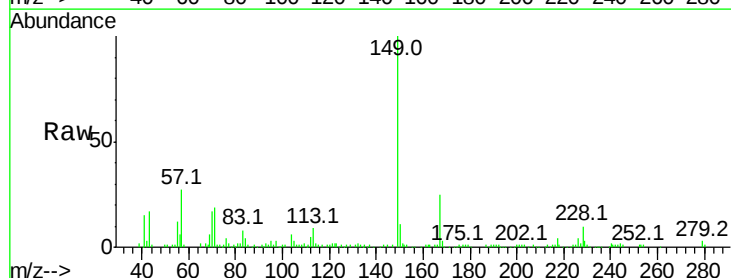
Tgt Ion:149 Resp: 114113

Ion Ratio Lower Upper

149 100

167 25.5 21.0 31.4

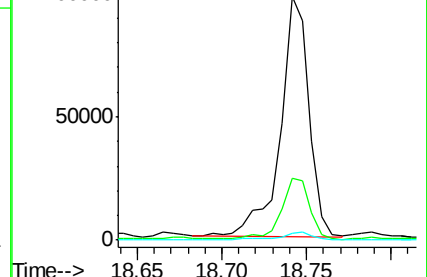
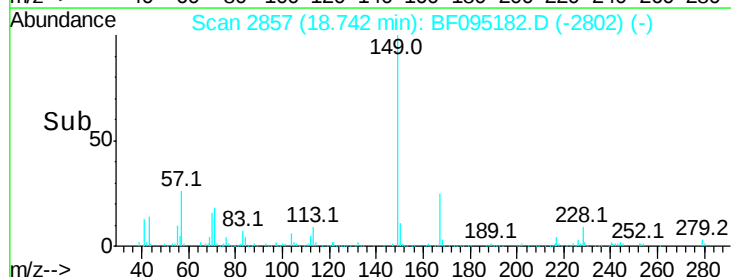
279 2.6 1.9 2.9

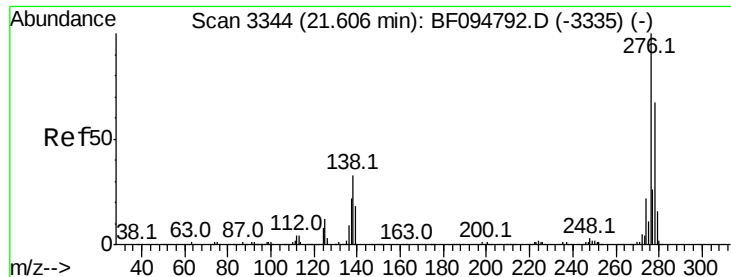


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

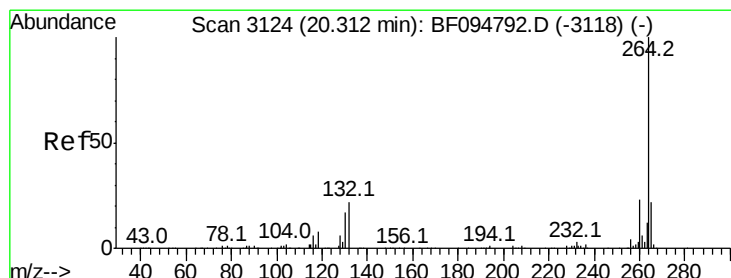
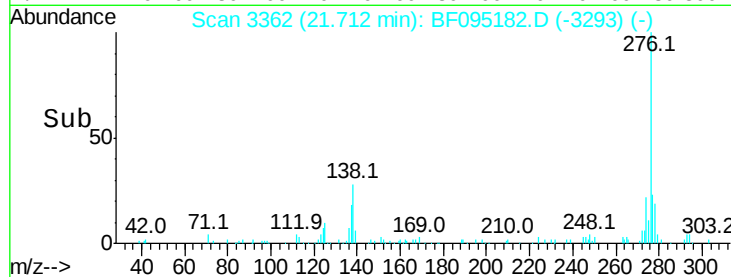
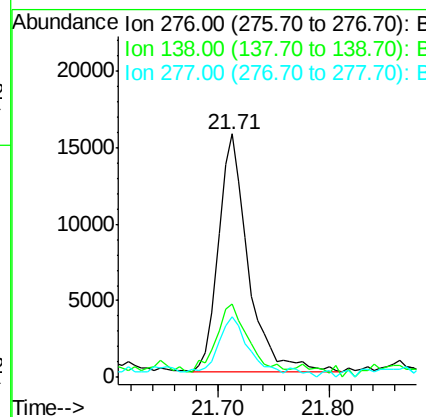
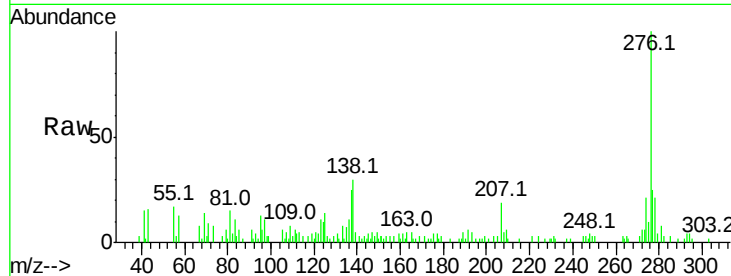




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.59 ng
RT: 21.71 min Scan# 3362
Delta R.T. 0.11 min
Lab File: BF095182.D
Acq: 17 May 2017 5:38

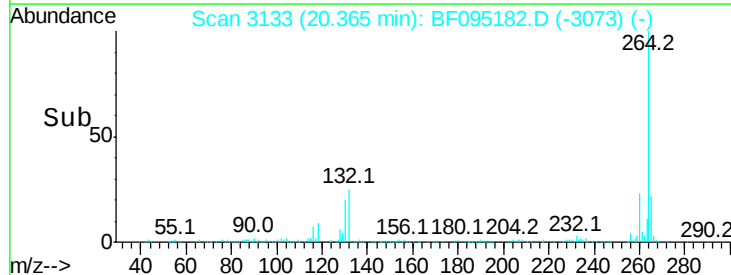
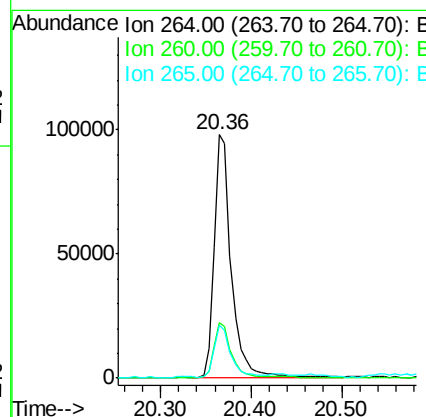
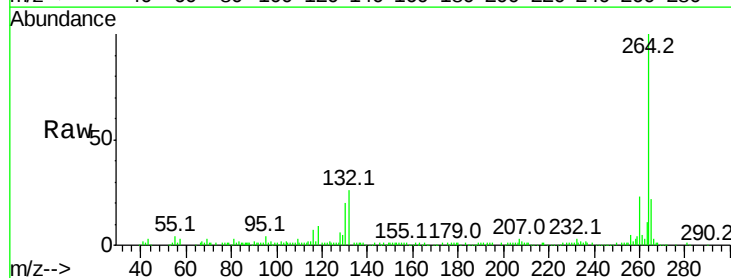
Instrument :
BNA_F
ClientSampleId :
DS-4-4

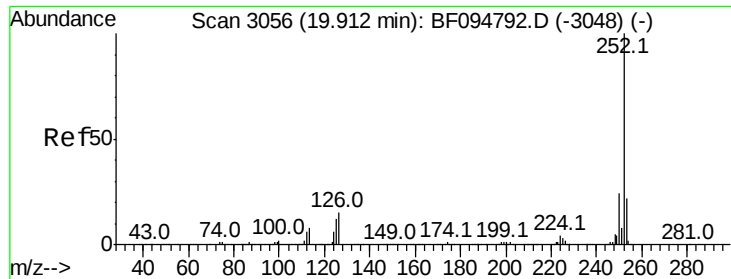
Tot Ion:276 Resp: 28809
Ion Ratio Lower Upper
276 100
138 30.5 27.8 41.6
277 23.0 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3133
Delta R.T. 0.05 min
Lab File: BF095182.D
Acq: 17 May 2017 5:38

Tgt Ion:264 Resp: 131547
Ion Ratio Lower Upper
264 100
260 22.9 19.5 29.3
265 21.6 17.2 25.8

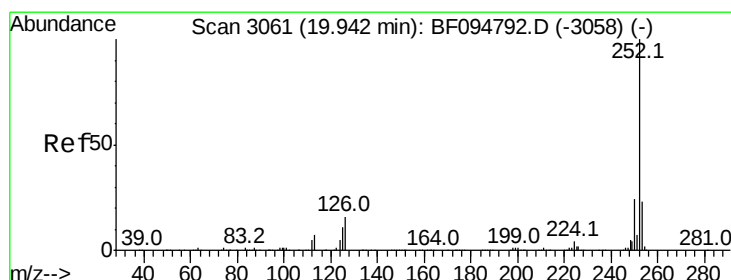
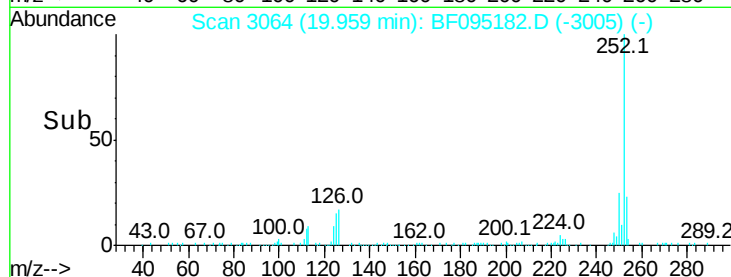
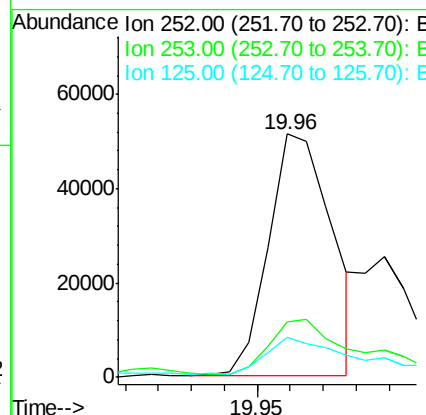
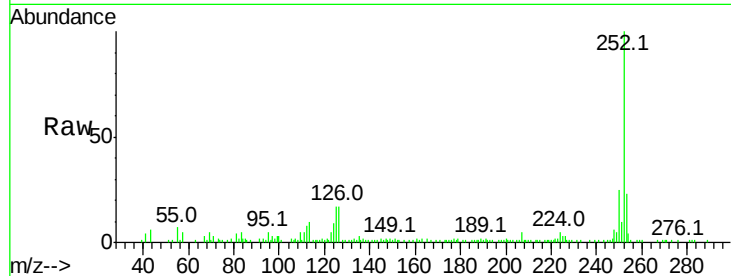




#87
Benzo(b)fluoranthene
Concen: 8.45 ng m
RT: 19.96 min Scan# 3064
Delta R.T. 0.05 min
Lab File: BF095182.D
Acq: 17 May 2017 5:38

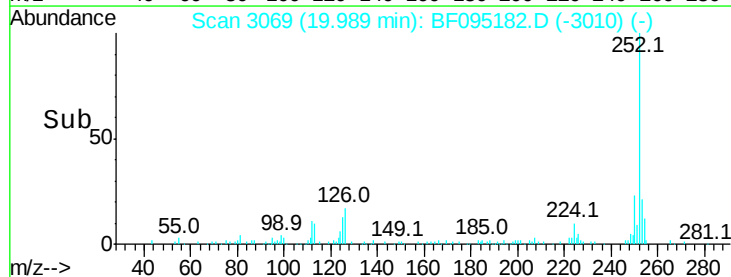
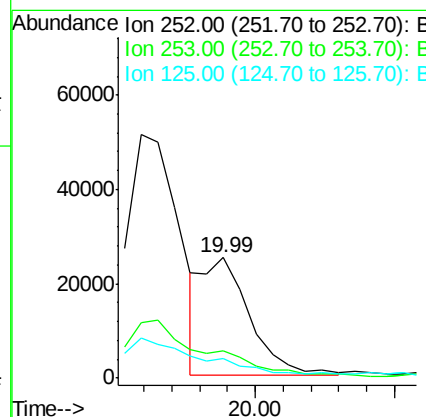
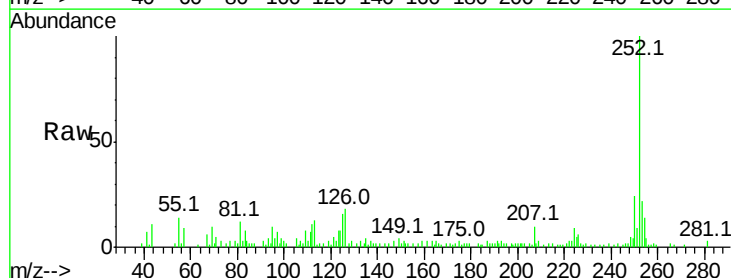
Instrument :
BNA_F
ClientSampleId :
DS-4-4

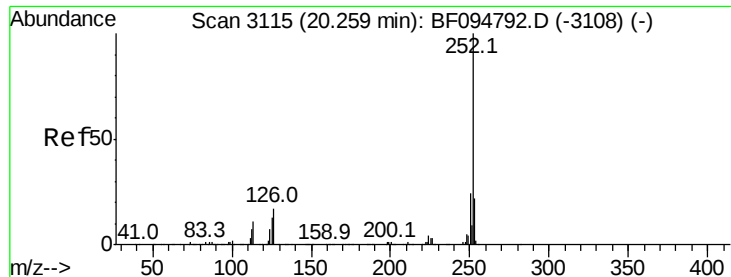
Tot Ion:252 Resp: 68690
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 16.7 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 3.72 ng m
RT: 19.99 min Scan# 3069
Delta R.T. 0.05 min
Lab File: BF095182.D
Acq: 17 May 2017 5:38

Tgt Ion:252 Resp: 29172
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 16.0 13.1 19.7





#89

Benzo(a)pyrene

Concen: 5.59 ng

RT: 20.32 min Scan# 3125

Delta R.T. 0.06 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

Instrument :

BNA_F

ClientSampleId :

DS-4-4

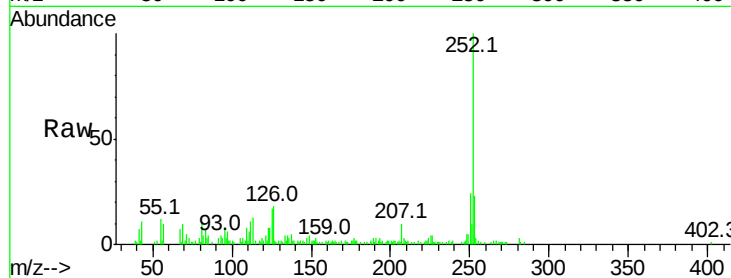
Tot Ion:252 Resp: 41901

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

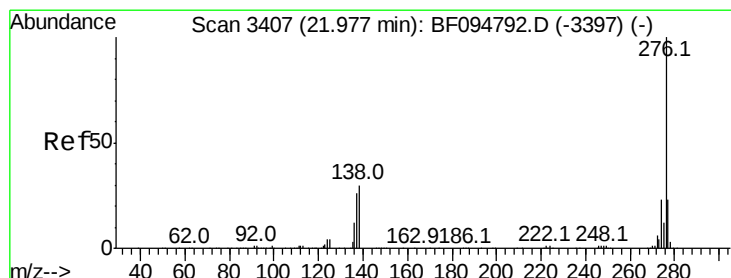
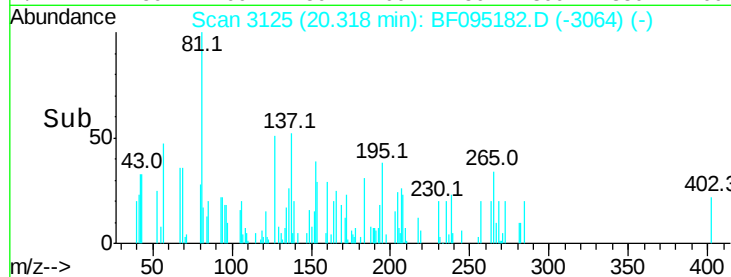
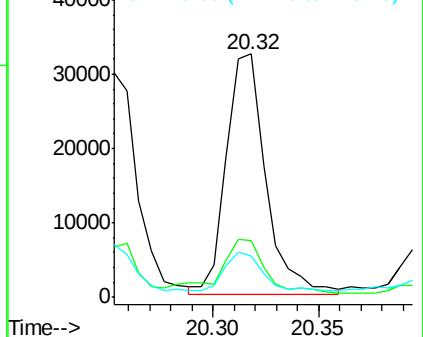
125 17.1 11.0 16.4#



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(g,h,i)perylene

Concen: 5.23 ng

RT: 22.10 min Scan# 3428

Delta R.T. 0.12 min

Lab File: BF095182.D

Acq: 17 May 2017 5:38

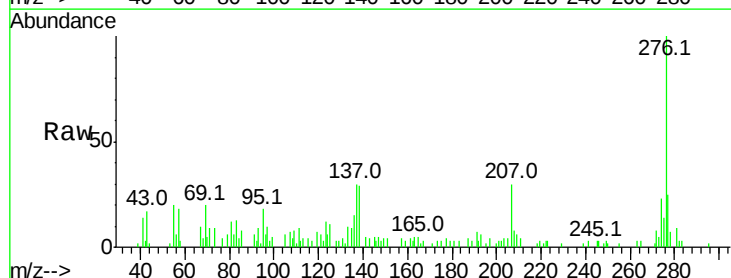
Tgt Ion:276 Resp: 31786

Ion Ratio Lower Upper

276 100

277 24.8 18.6 28.0

138 29.1 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

