

Data File : BF095843.D
Acq On : 10 Jun 2017 2:52
Operator : SJ/MA
Sample : I3457-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-8

Quant Time: Jun 10 03:42:52 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	66891	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	266625	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	110982	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	175354	20.00	ng	-0.03
75) Chrysene-d12	18.34	240	138418	20.00	ng	-0.02
86) Perylene-d12	20.00	264	114309	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	610318	145.39	ng	-0.02
7) Phenol-d6	6.93	99	722542	143.77	ng	-0.02
23) Nitrobenzene-d5	8.29	82	404953	94.33	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	118151	120.32	ng	-0.03
44) 2-Fluorobiphenyl	11.18	172	645733	80.97	ng	-0.04
78) Terphenyl-d14	16.99	244	389969	69.92	ng	-0.02

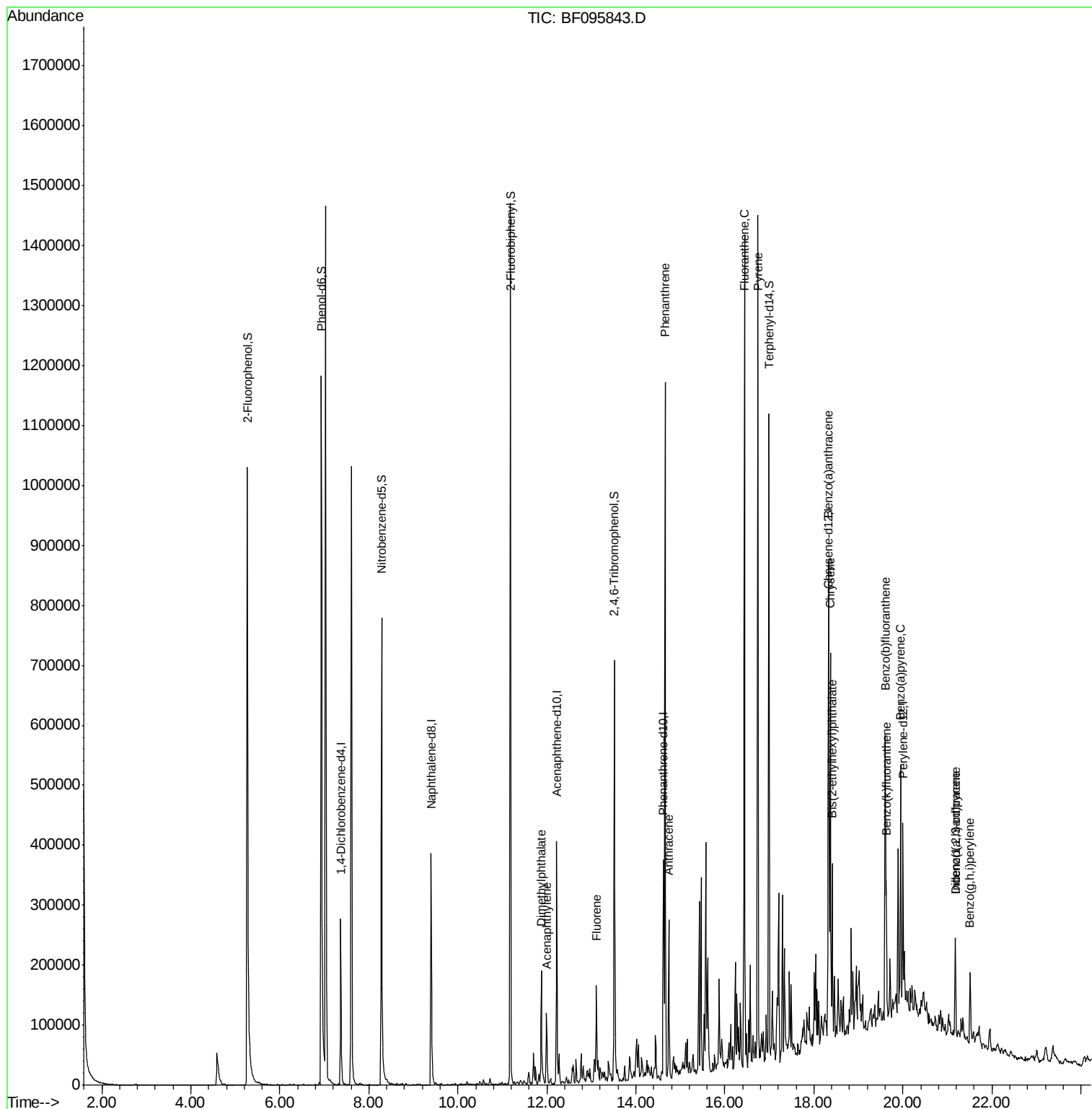
Target Compounds					Qvalue
48) Acenaphthylene	11.99	152	75770	6.20 ng	100
49) Dimethylphthalate	11.87	163	109170	12.96 ng	99
57) Fluorene	13.11	166	65420	7.57 ng	99
70) Phenanthrene	14.66	178	650496	64.29 ng	99
71) Anthracene	14.74	178	152185	14.41 ng	96
74) Fluoranthene	16.44	202	718346	71.73 ng	98
77) Pyrene	16.74	202	666670	64.55 ng	97
80) Benzo(a)anthracene	18.33	228	298416	37.08 ng	95
82) Chrysene	18.37	228	271279	33.73 ng	99
83) Bis(2-ethylhexyl)phthalate	18.41	149	99724	15.67 ng	98
85) Indeno(1,2,3-cd)pyrene	21.18	276	87933	12.78 ng	92
87) Benzo(b)fluoranthene	19.60	252	243580m	34.03 ng	
88) Benzo(k)fluoranthene	19.63	252	93573m	13.68 ng	
89) Benzo(a)pyrene	19.95	252	182364	27.72 ng	99
90) Dibenzo(a,h)anthracene	21.17	278	22461m	4.02 ng	
91) Benzo(g,h,i)perylene	21.51	276	73719	12.96 ng	97

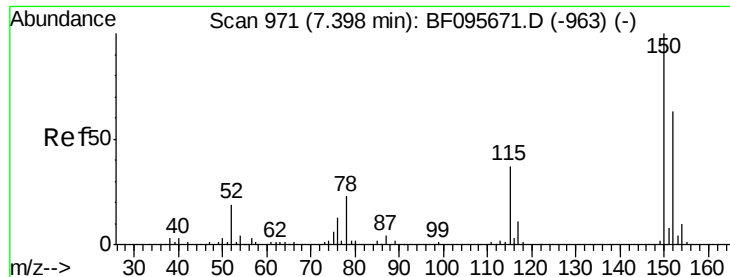
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.37 min Scan# 983

Delta R.T. -0.03 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

Instrument :

BNA_F

ClientSampled :

S-8

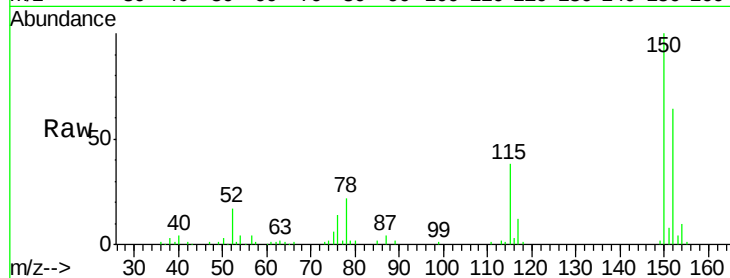
Tgt Ion:152 Resp: 66891

Ion Ratio Lower Upper

152 100

150 157.4 126.2 189.2

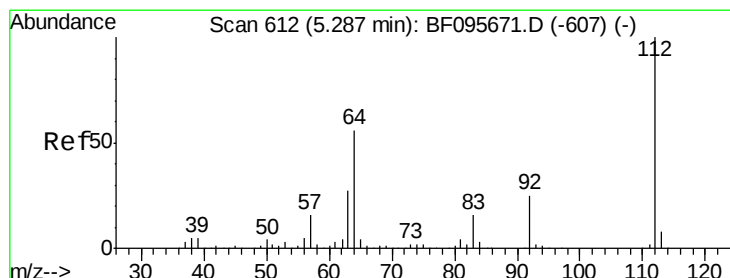
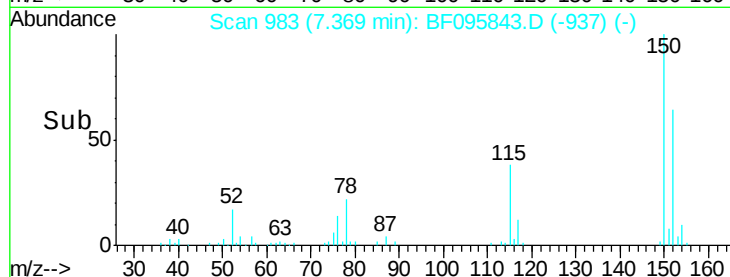
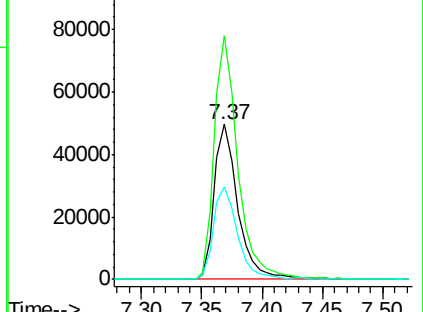
115 60.2 52.2 78.2



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: 145.39 ng

RT: 5.27 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

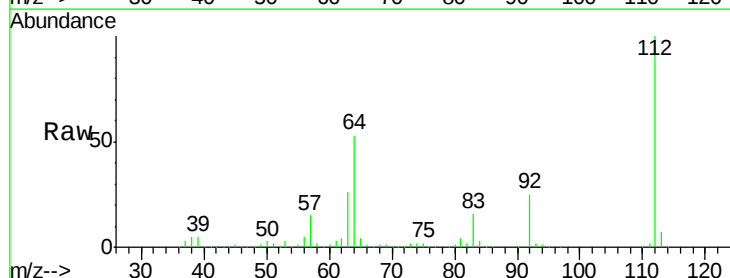
Tgt Ion:112 Resp: 610318

Ion Ratio Lower Upper

112 100

64 53.3 46.0 69.0

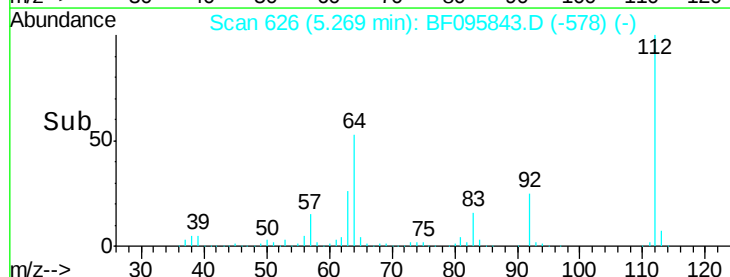
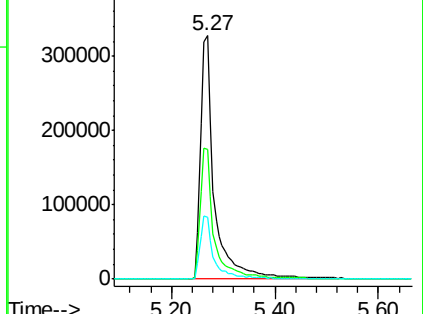
63 25.6 23.4 35.0

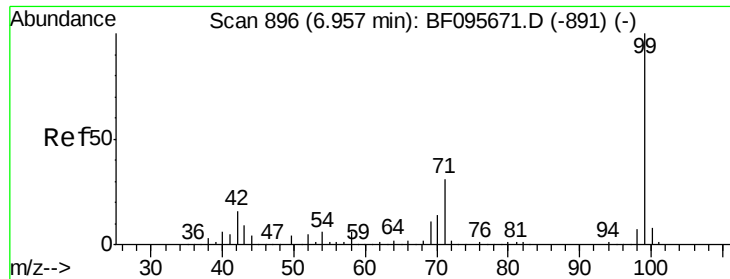


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.77 ng

RT: 6.93 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

Instrument :

BNA_F

ClientSampleId :

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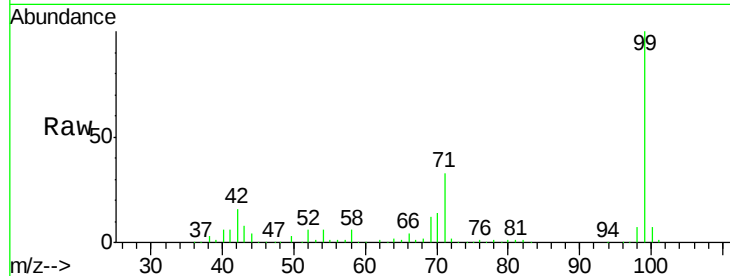
Tgt Ion: 99 Resp: 722542

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

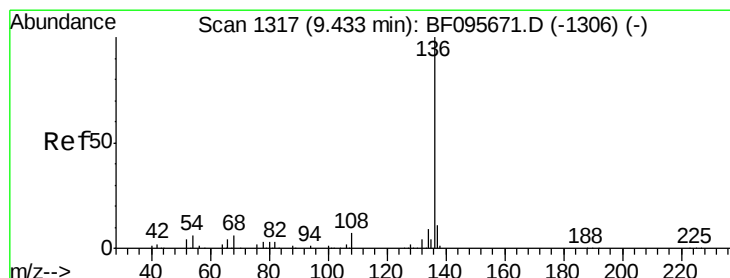
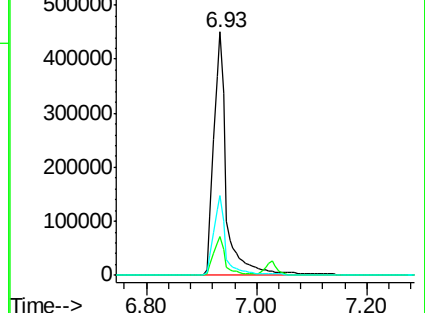
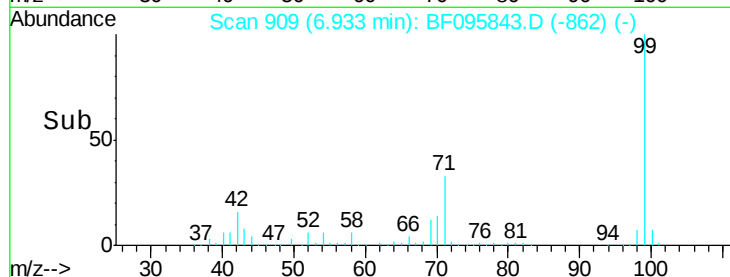
71 32.5 24.5 36.7



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: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

Tgt Ion: 136 Resp: 266625

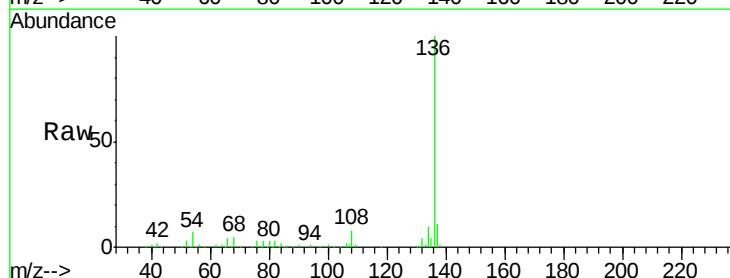
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.6 4.9 7.3

68 5.3 4.1 6.1

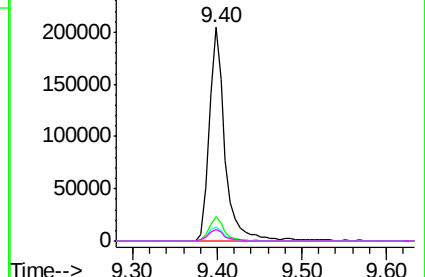
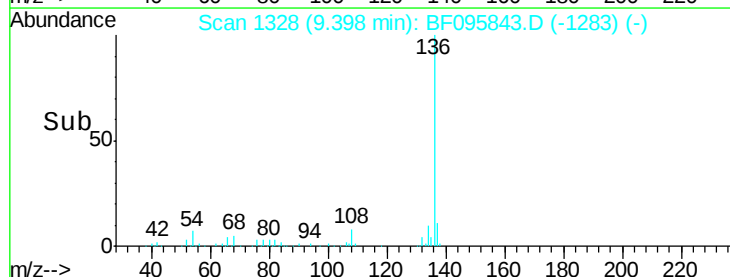


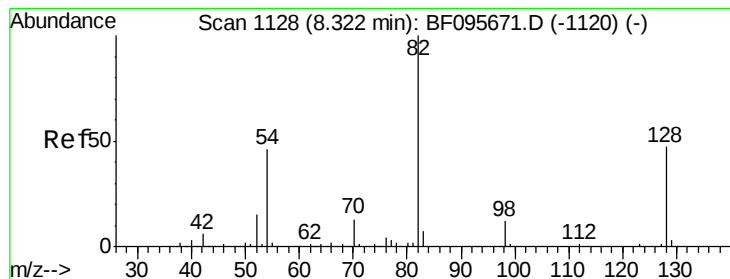
Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.33 ng

RT: 8.29 min Scan# 1139

Delta R.T. -0.04 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

Instrument :

BNA_F

ClientSampleId :

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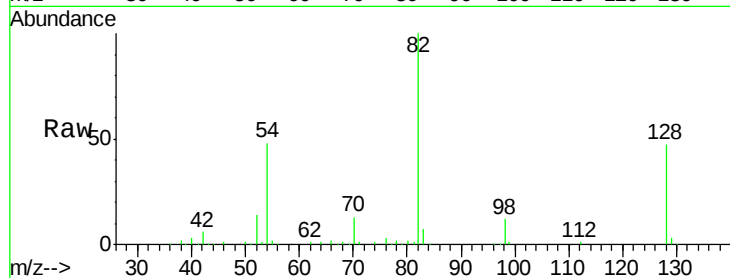
Tgt Ion: 82 Resp: 404953

Ion Ratio Lower Upper

82 100

128 47.4 34.0 51.0

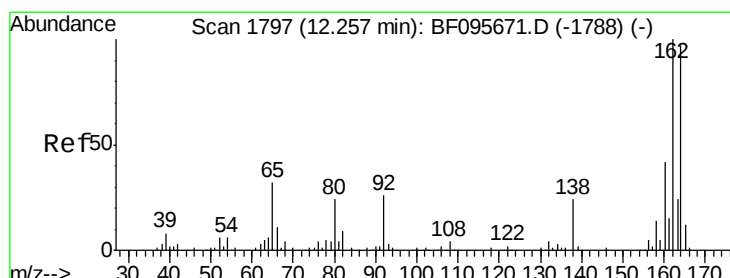
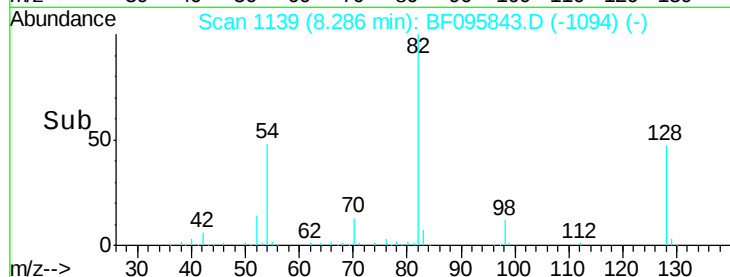
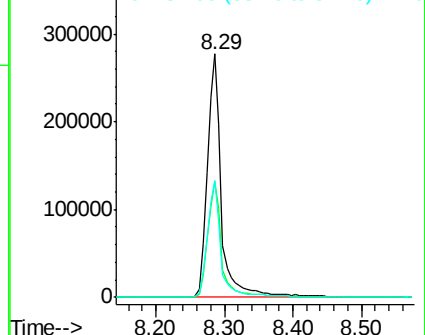
54 48.0 42.2 63.2



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: 12.22 min Scan# 1808

Delta R.T. -0.04 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

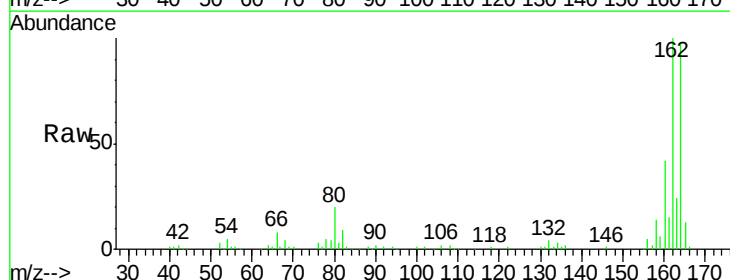
Tgt Ion: 164 Resp: 110982

Ion Ratio Lower Upper

164 100

162 103.4 82.6 123.8

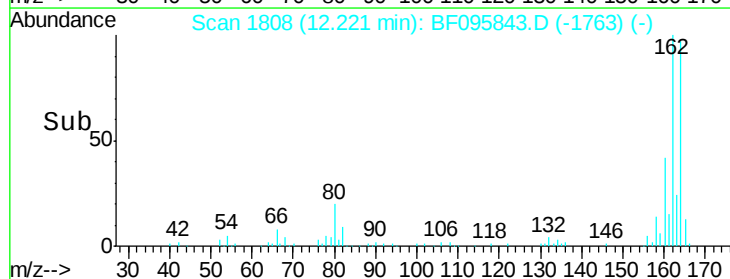
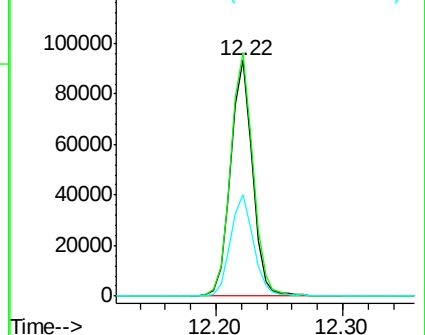
160 43.3 36.2 54.2

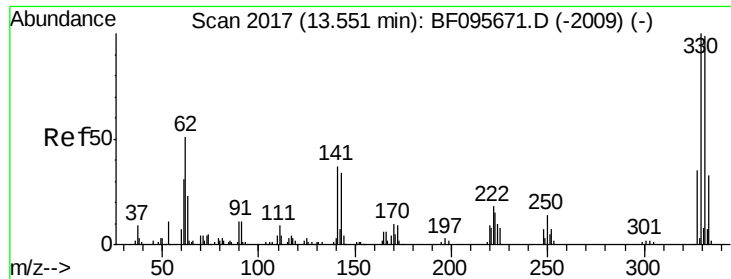


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

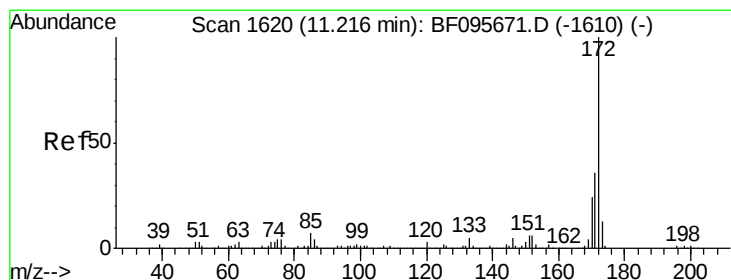
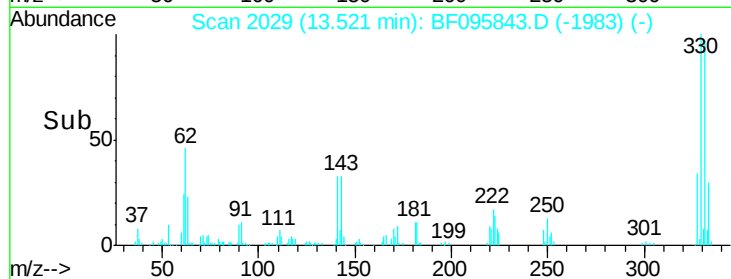
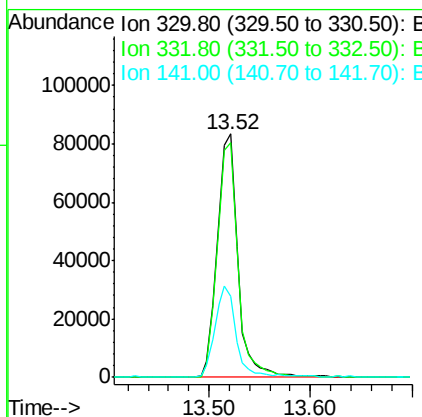
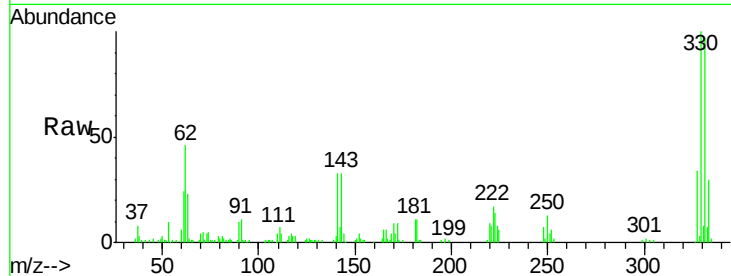




#41
 2,4,6-Tribromophenol
 Concen: 120.32 ng
 RT: 13.52 min Scan# 2029
 Delta R.T. -0.03 min
 Lab File: BF095843.D
 Acq: 10 Jun 2017 2:52

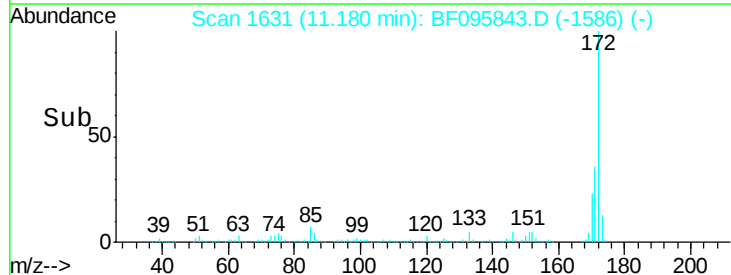
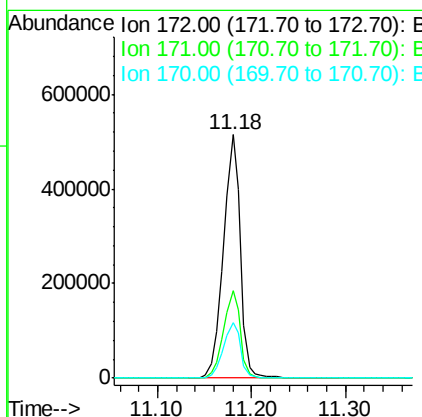
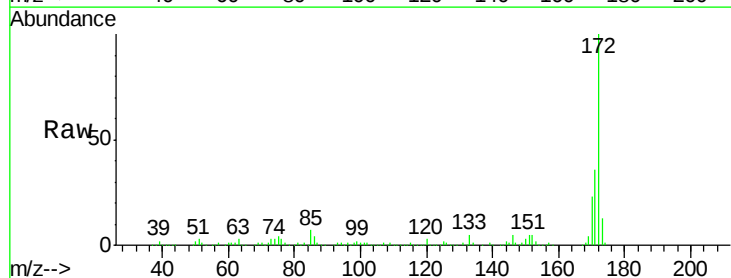
Instrument :
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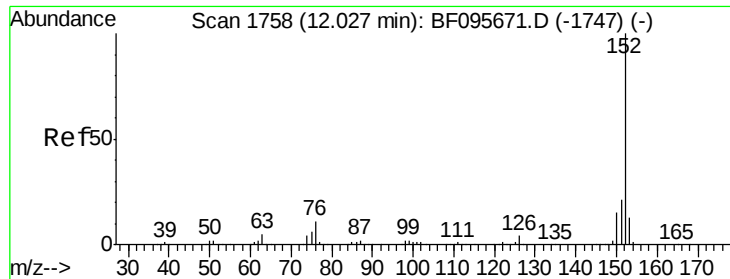
Tgt Ion:330 Resp: 118151
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 115.0
 141 38.3 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 80.97 ng
 RT: 11.18 min Scan# 1631
 Delta R.T. -0.04 min
 Lab File: BF095843.D
 Acq: 10 Jun 2017 2:52

Tgt Ion:172 Resp: 645733
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 22.9 19.8 29.8





#48

Acenaphthylene

Concen: 6.20 ng

RT: 11.99 min Scan# 1769

Delta R.T. -0.04 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

Instrument :

BNA_F

ClientSampleId :

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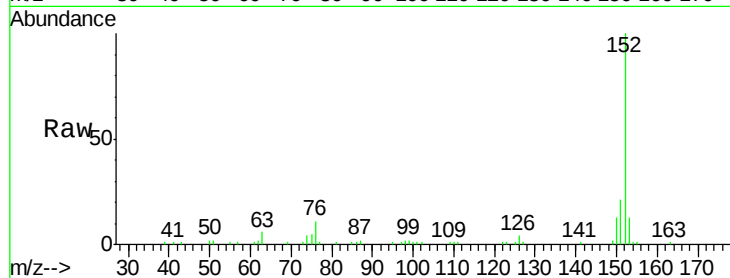
Tgt Ion:152 Resp: 75770

Ion Ratio Lower Upper

152 100

151 20.8 16.8 25.2

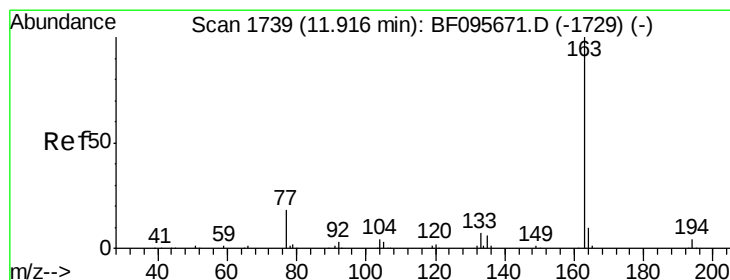
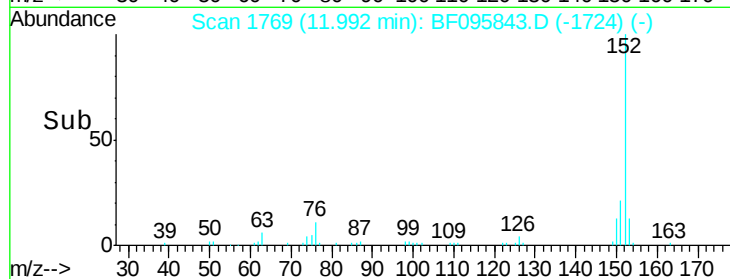
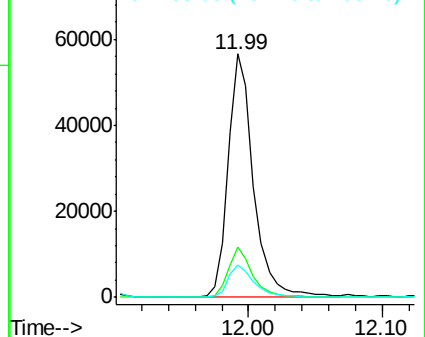
153 13.3 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 12.96 ng

RT: 11.87 min Scan# 1749

Delta R.T. -0.04 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

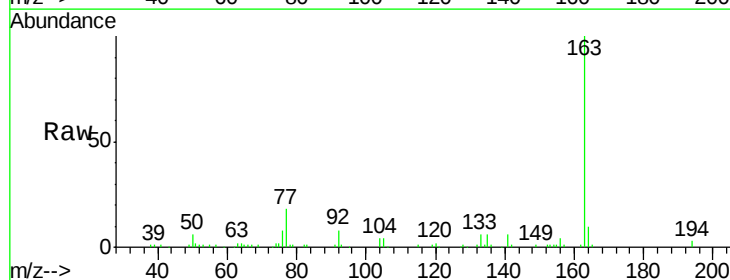
Tgt Ion:163 Resp: 109170

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

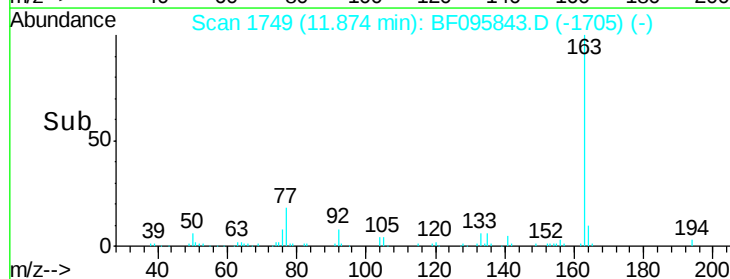
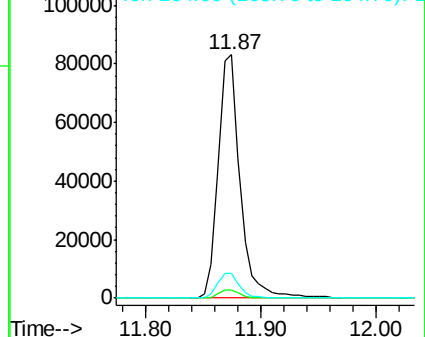
164 10.2 8.4 12.6

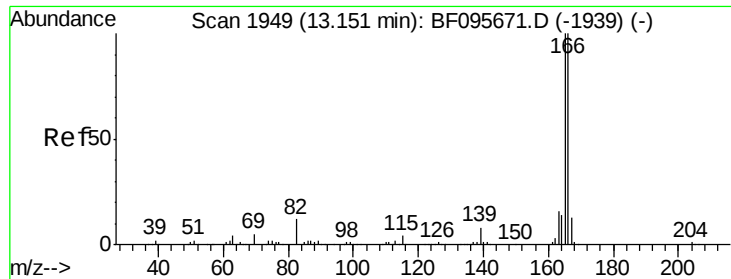


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#57

Fluorene

Concen: 7.57 ng

RT: 13.11 min Scan# 1959

Delta R.T. -0.04 min

Lab File: BF095843.D

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ClientSampleId :

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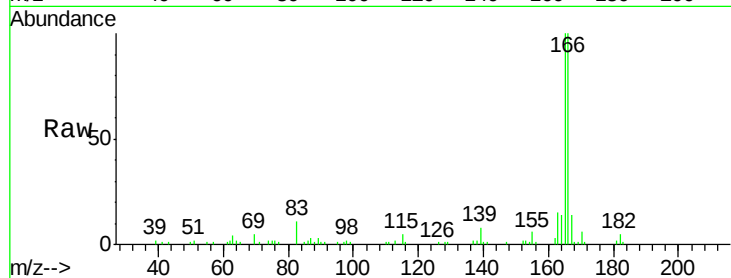
Tgt Ion:166 Resp: 65420

Ion Ratio Lower Upper

166 100

165 99.6 78.8 118.2

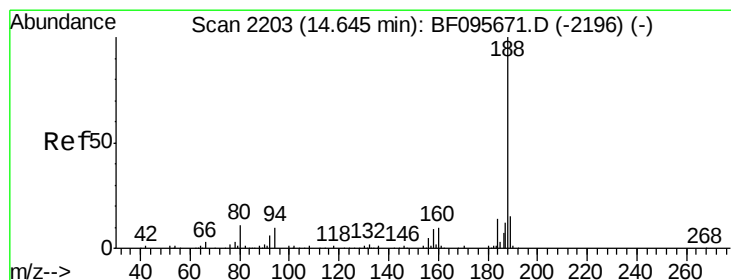
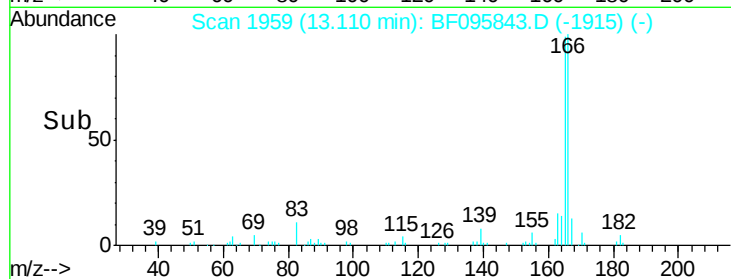
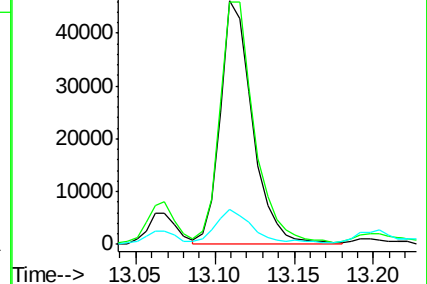
167 14.4 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.62 min Scan# 2215

Delta R.T. -0.03 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

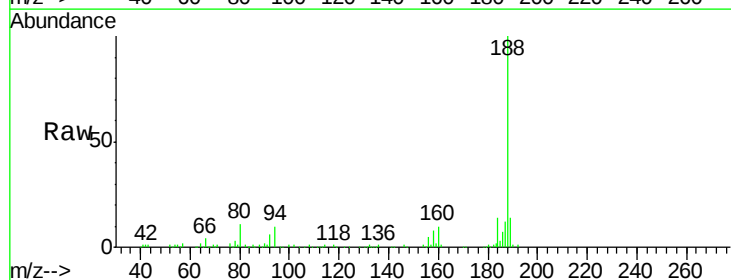
Tgt Ion:188 Resp: 175354

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

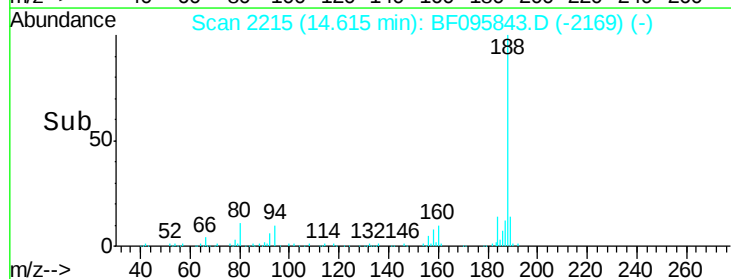
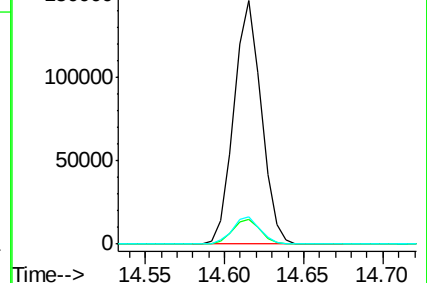
80 11.0 10.2 15.2

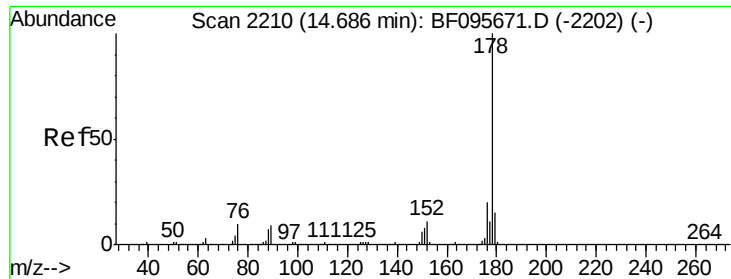


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 64.29 ng

RT: 14.66 min Scan# 2222

Delta R.T. -0.03 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

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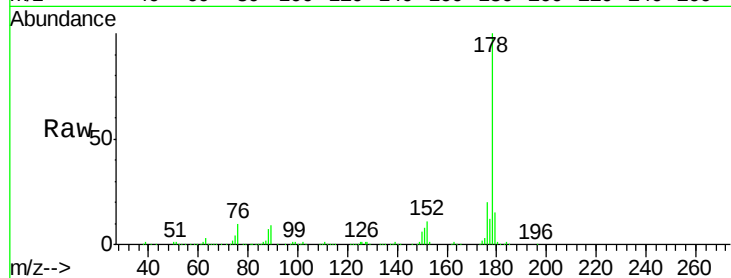
Tgt Ion:178 Resp: 650496

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

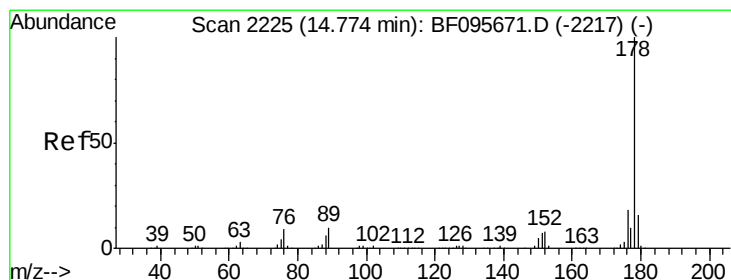
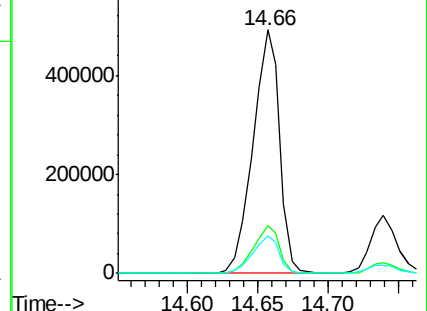
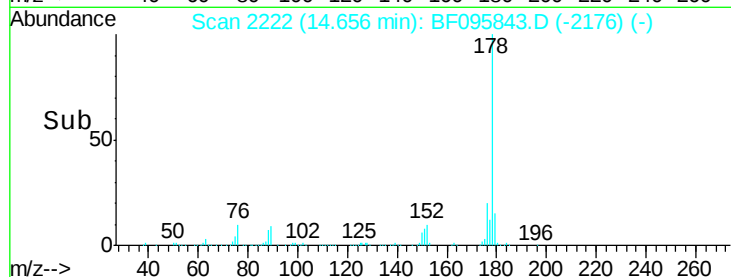
179 15.2 12.6 19.0



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: 14.41 ng

RT: 14.74 min Scan# 2236

Delta R.T. -0.04 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

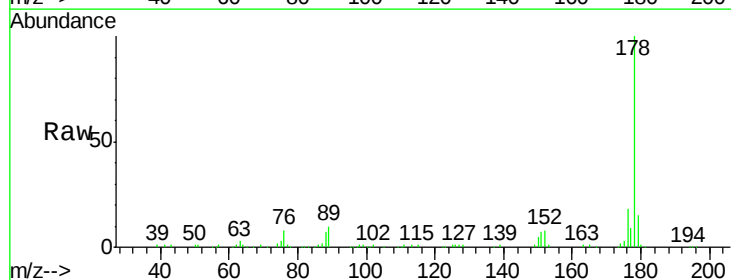
Tgt Ion:178 Resp: 152185

Ion Ratio Lower Upper

178 100

176 17.6 15.8 23.8

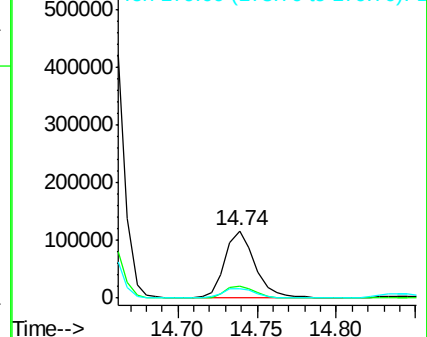
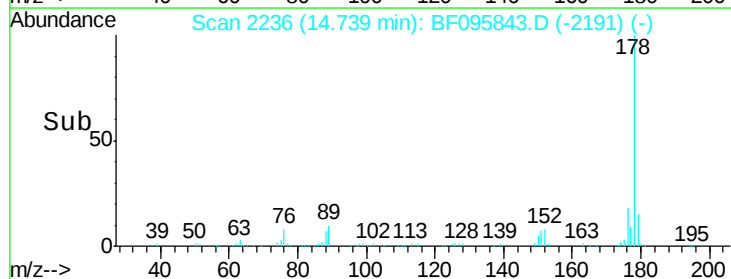
179 14.7 12.7 19.1

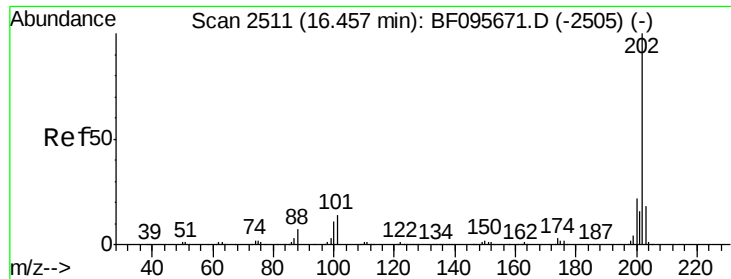


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 71.73 ng

RT: 16.44 min Scan# 2525

Delta R.T. -0.02 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

Instrument :

BNA_F

ClientSampleId :

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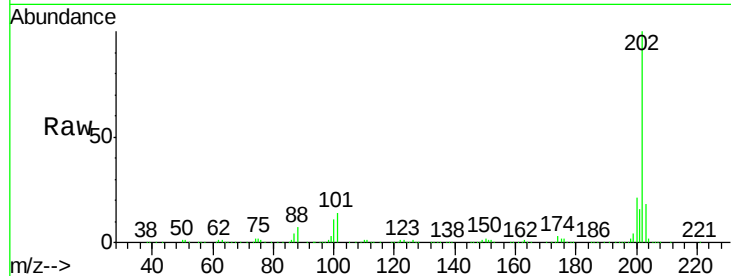
Tgt Ion: 202 Resp: 718346

Ion Ratio Lower Upper

202 100

101 14.5 0.0 33.2

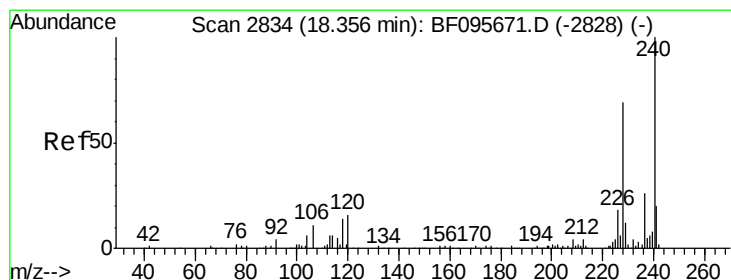
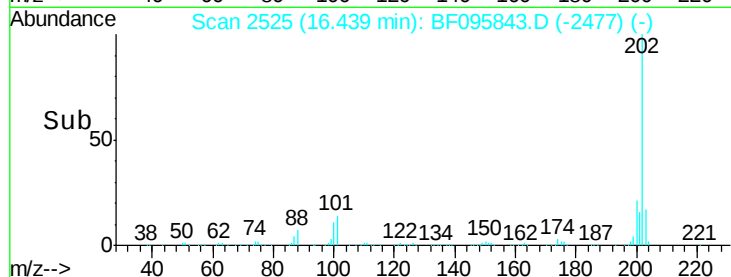
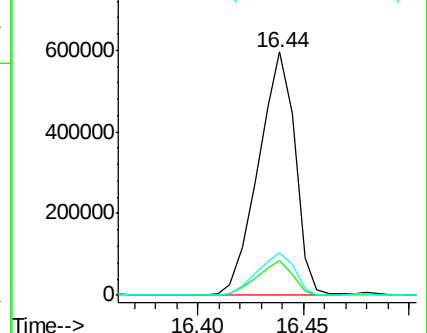
203 17.5 0.0 38.1



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: 18.34 min Scan# 2848

Delta R.T. -0.02 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

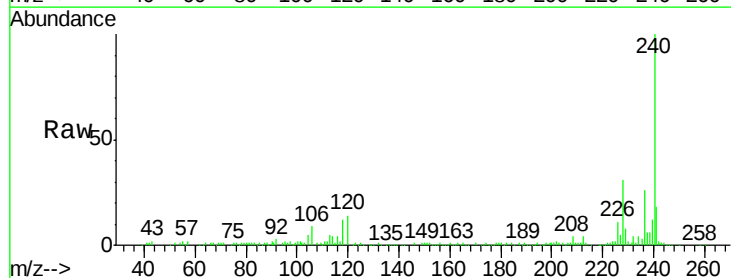
Tgt Ion: 240 Resp: 138418

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

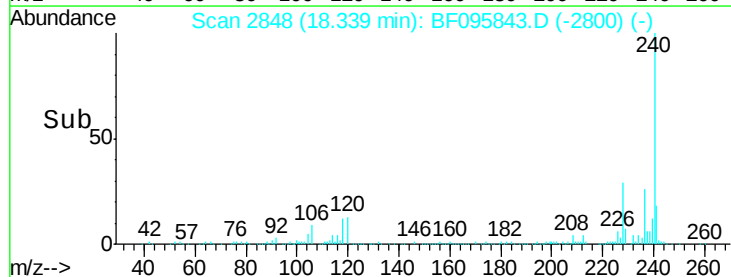
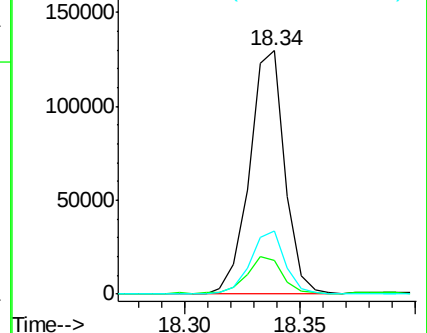
236 25.9 20.5 30.7

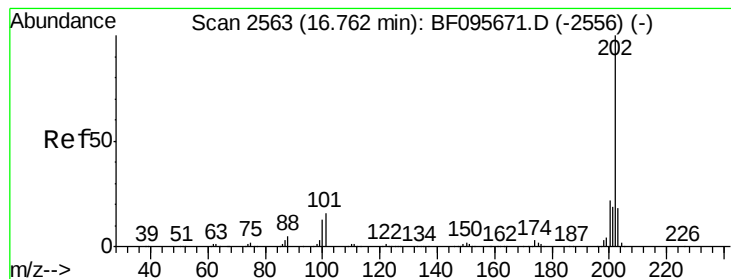


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 64.55 ng

RT: 16.74 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

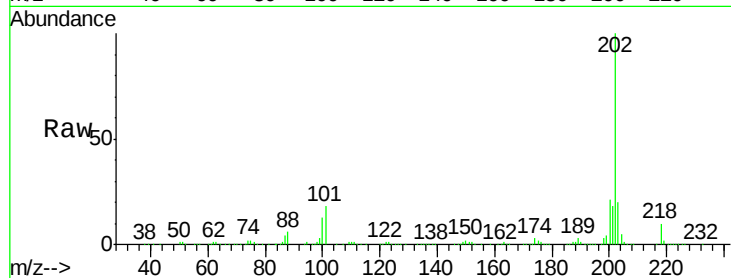
Instrument :

BNA_F

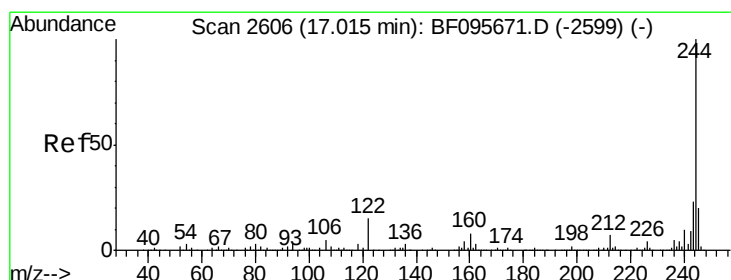
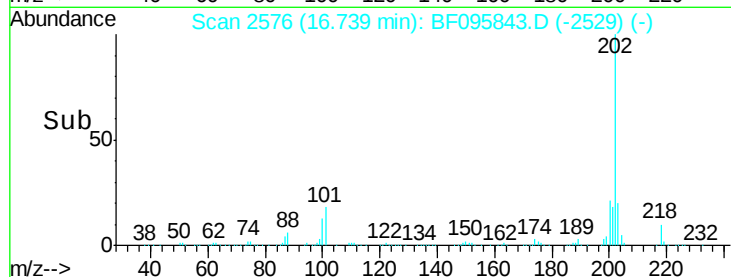
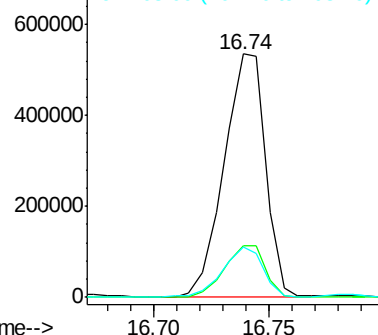
ClientSampleId :

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Tgt Ion:	202	Resp:	666670
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	20.5	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: 69.92 ng

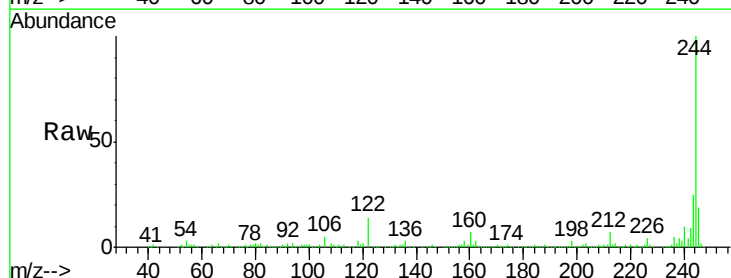
RT: 16.99 min Scan# 2619

Delta R.T. -0.02 min

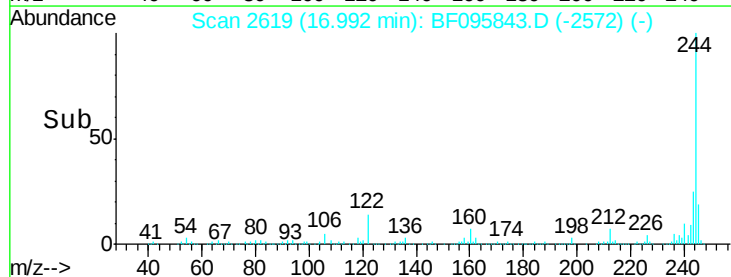
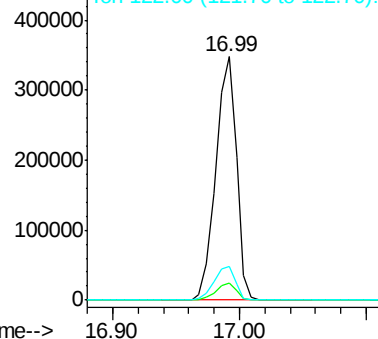
Lab File: BF095843.D

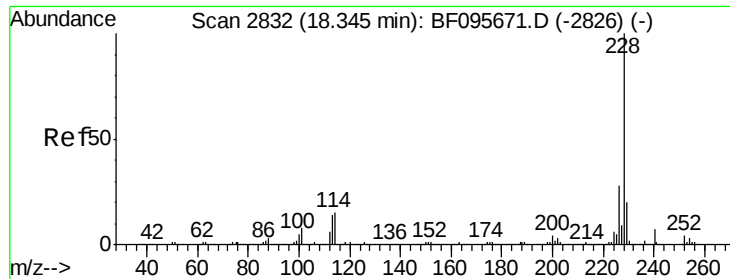
Acq: 10 Jun 2017 2:52

Tgt Ion:	244	Resp:	389969
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.0	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: 37.08 ng

RT: 18.33 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

Instrument :

BNA_F

ClientSampleId :

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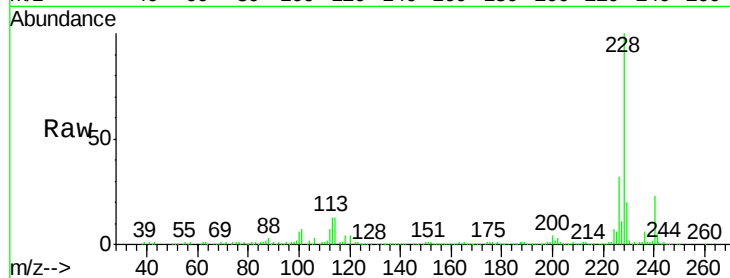
Tgt Ion:228 Resp: 298416

Ion Ratio Lower Upper

228 100

226 32.4 22.6 33.8

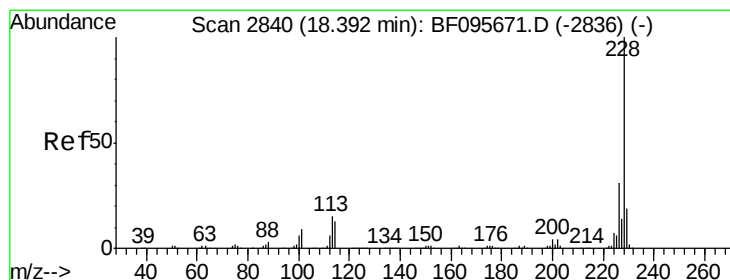
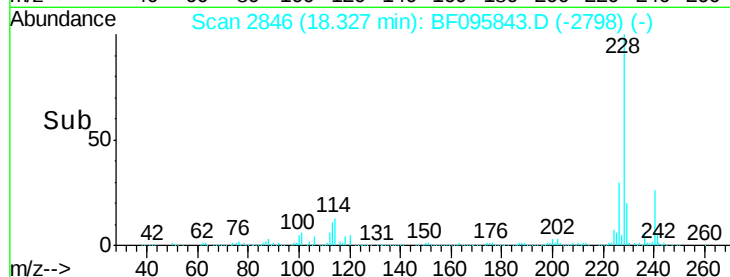
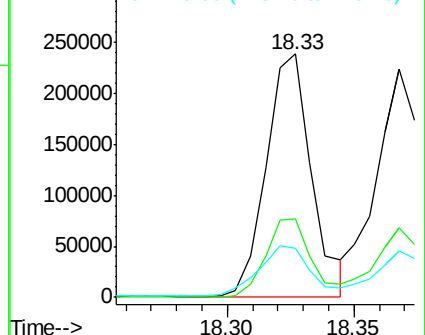
229 20.1 16.3 24.5



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: 33.73 ng

RT: 18.37 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

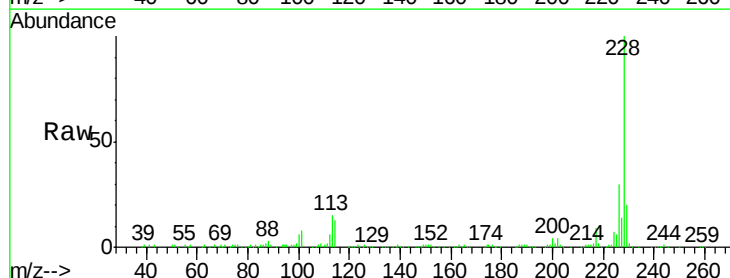
Tgt Ion:228 Resp: 271279

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

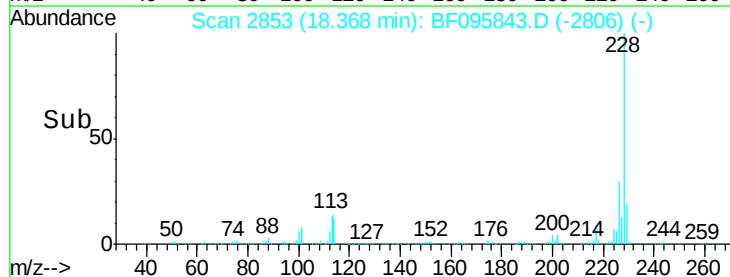
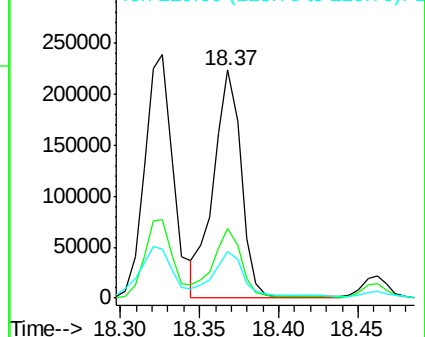
229 20.2 15.8 23.6

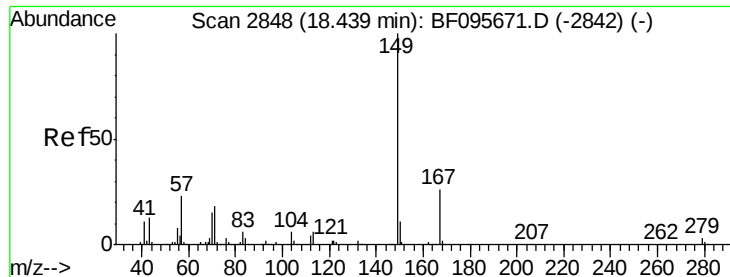


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

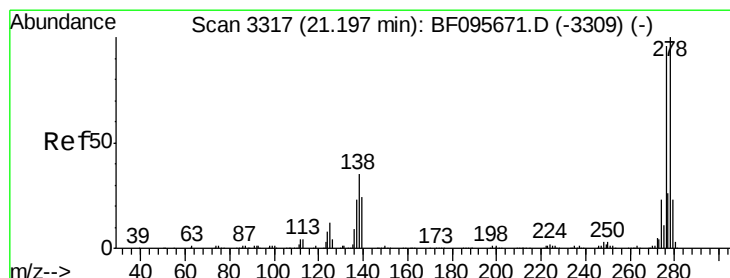
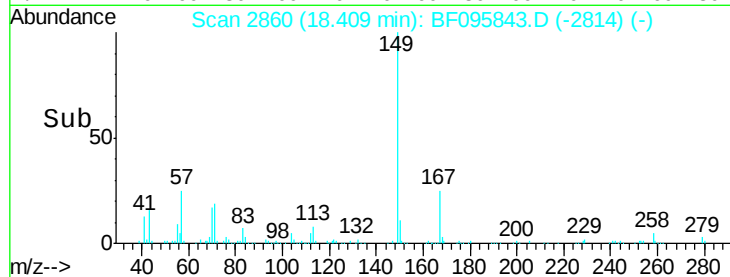
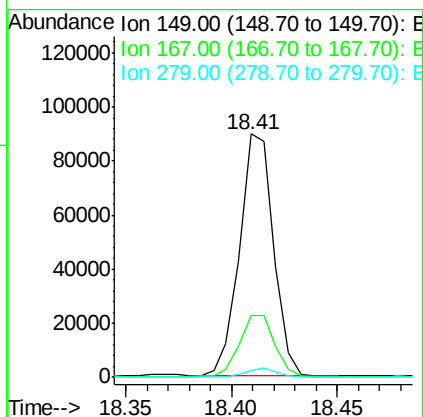
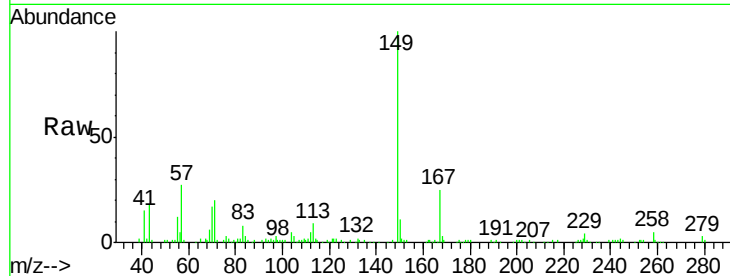




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 15.67 ng
 RT: 18.41 min Scan# 2860
 Delta R.T. -0.03 min
 Lab File: BF095843.D
 Acq: 10 Jun 2017 2:52

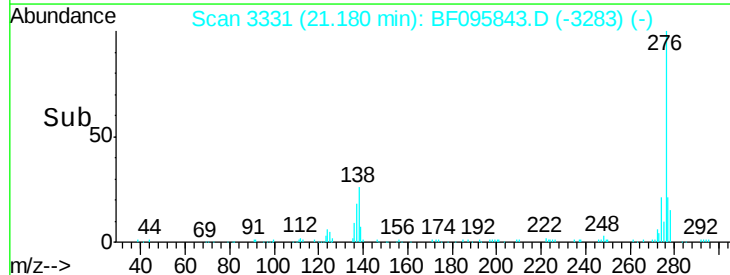
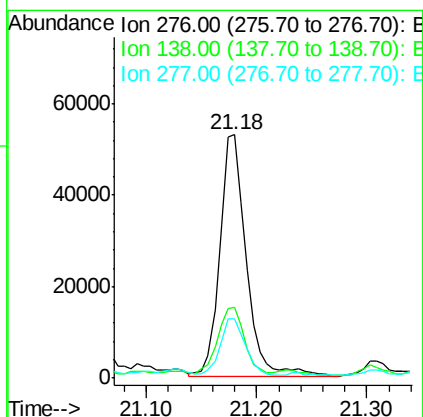
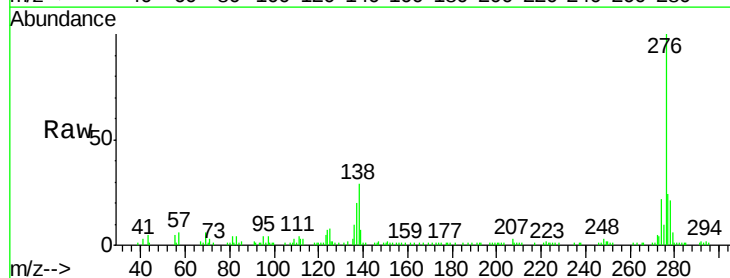
Instrument :
 BNA_F
 ClientSampleId :
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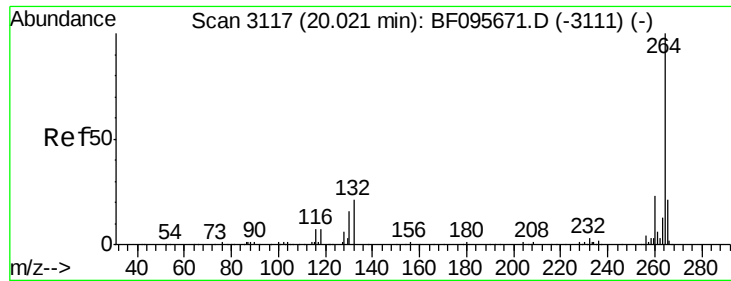
Tgt Ion:149 Resp: 99724
 Ion Ratio Lower Upper
 149 100
 167 25.3 21.0 31.4
 279 2.7 1.9 2.9



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.78 ng
 RT: 21.18 min Scan# 3331
 Delta R.T. -0.02 min
 Lab File: BF095843.D
 Acq: 10 Jun 2017 2:52

Tgt Ion:276 Resp: 87933
 Ion Ratio Lower Upper
 276 100
 138 28.6 27.8 41.6
 277 23.2 20.2 30.4

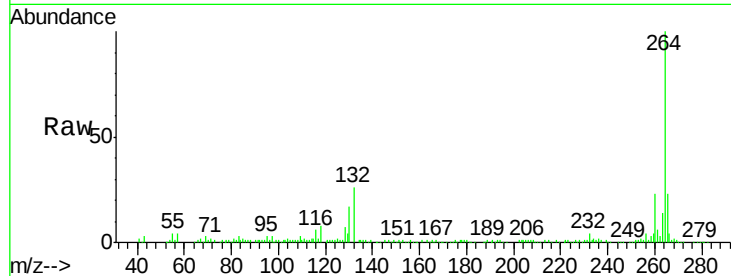




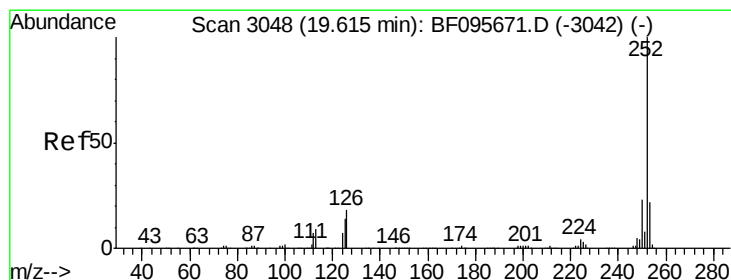
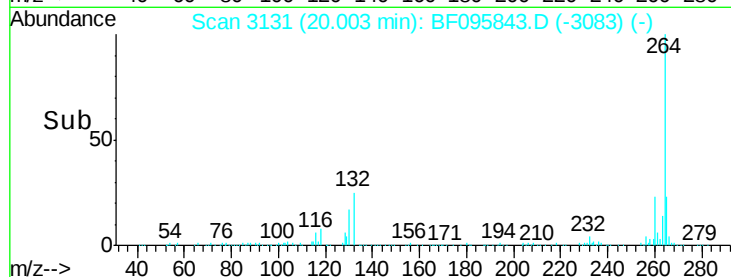
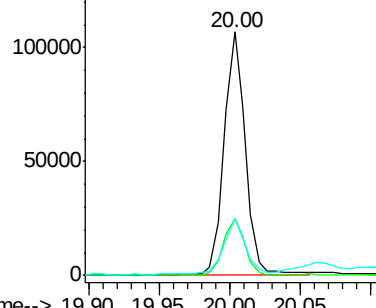
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BF095843.D
Acq: 10 Jun 2017 2:52

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:264 Resp: 114309
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 23.4 17.2 25.8

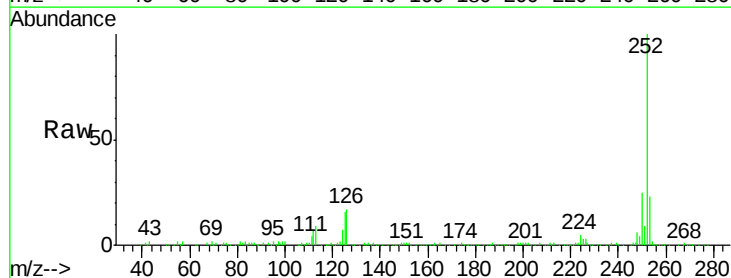


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

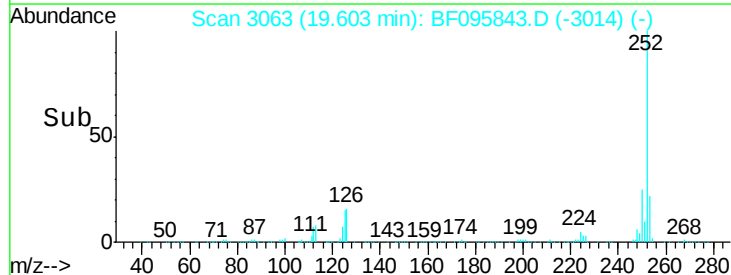
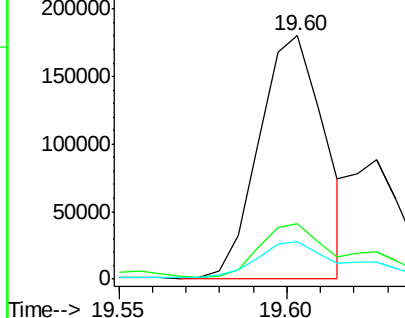


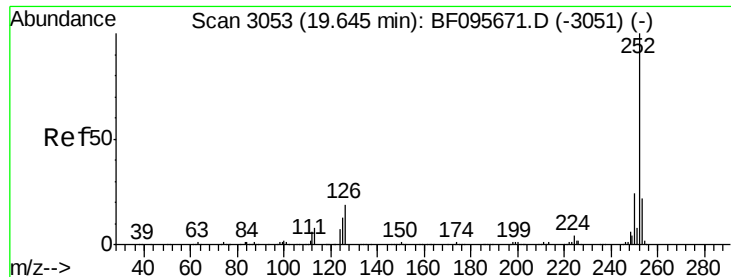
#87
Benzo(b)fluoranthene
Concen: 34.03 ng m
RT: 19.60 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095843.D
Acq: 10 Jun 2017 2:52

Tgt Ion:252 Resp: 243580
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 15.6 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 13.68 ng m

RT: 19.63 min Scan# 3067

Delta R.T. -0.02 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

Instrument :

BNA_F

ClientSampled :

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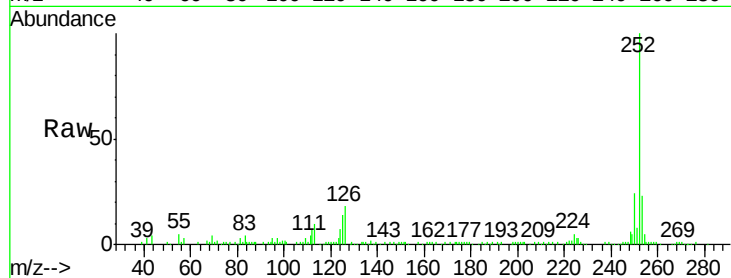
Tgt Ion:252 Resp: 93573

Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

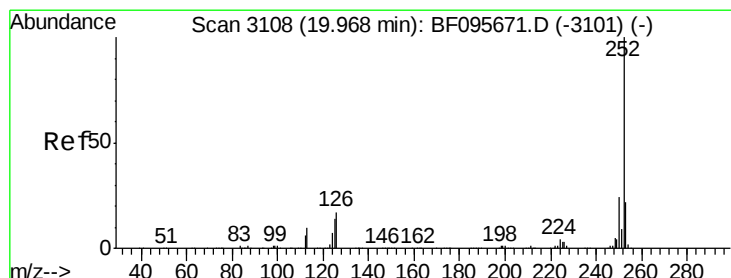
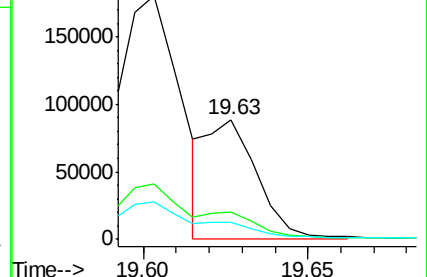
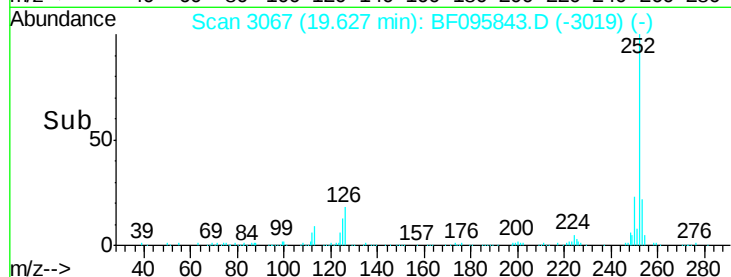
125 14.4 13.1 19.7



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: 27.72 ng

RT: 19.95 min Scan# 3122

Delta R.T. -0.02 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

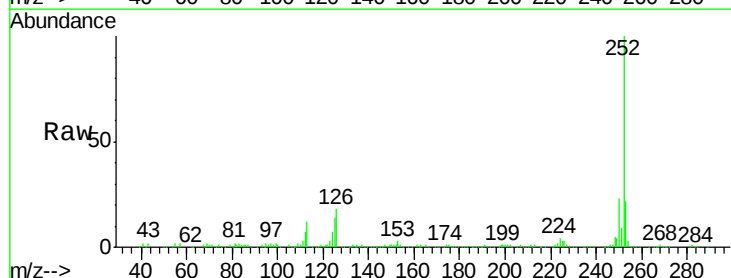
Tgt Ion:252 Resp: 182364

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

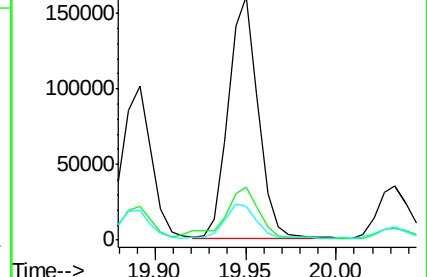
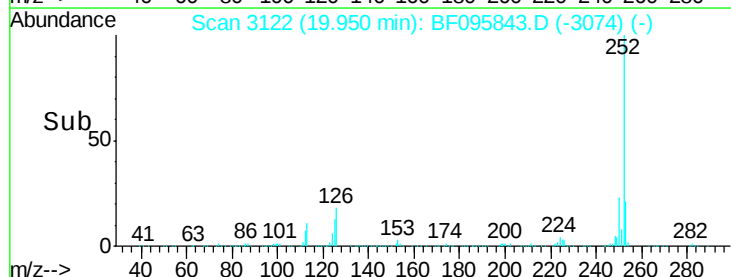
125 14.1 11.0 16.4

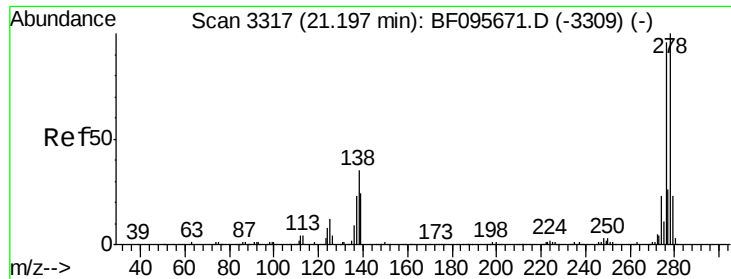


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.02 ng m

RT: 21.17 min Scan# 3330

Delta R.T. -0.02 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

Instrument :

BNA_F

ClientSampleId :

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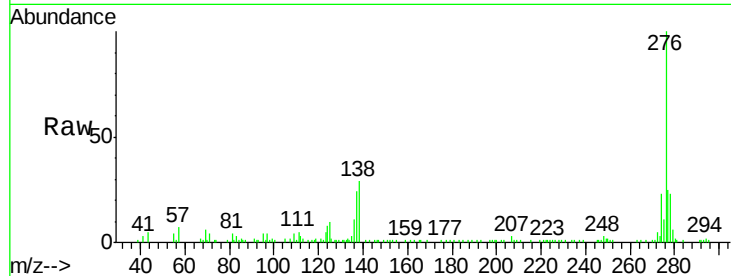
Tgt Ion:278 Resp: 22461

Ion Ratio Lower Upper

278 100

139 0.0 16.6 24.8#

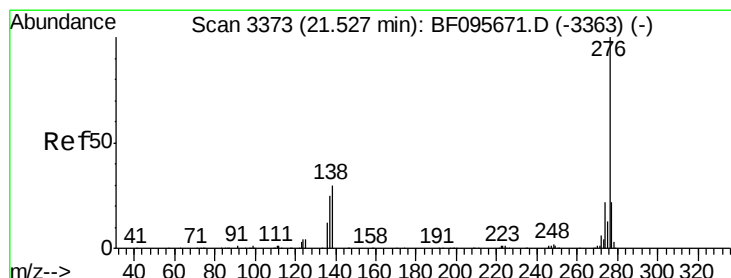
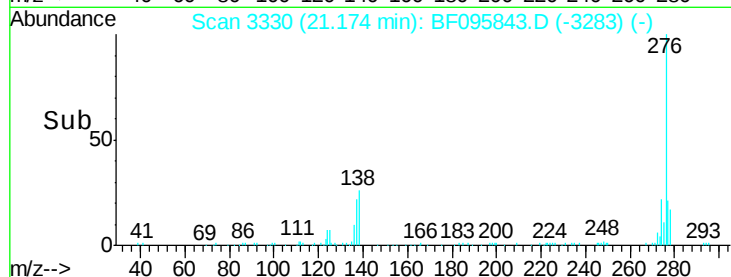
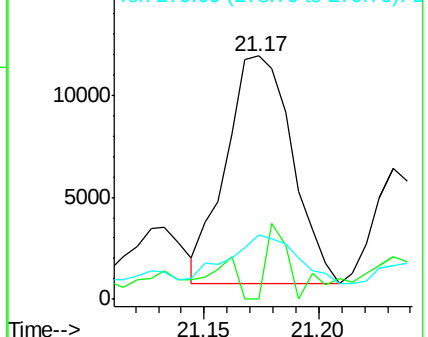
279 26.5 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 12.96 ng

RT: 21.51 min Scan# 3387

Delta R.T. -0.02 min

Lab File: BF095843.D

Acq: 10 Jun 2017 2:52

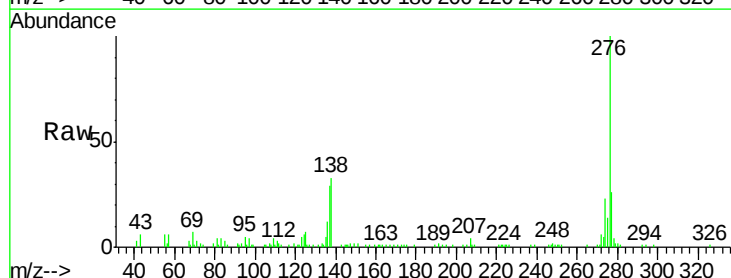
Tgt Ion:276 Resp: 73719

Ion Ratio Lower Upper

276 100

277 25.7 18.6 28.0

138 32.7 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

