

Data File : BF095845.D
Acq On : 10 Jun 2017 3:57
Operator : SJ/MA
Sample : I3503-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIER-53-A-COMP

Quant Time: Jun 12 07:13:21 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	66033	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	258712	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	106892	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	160514	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	137350	20.00	ng	-0.02
86) Perylene-d12	20.00	264	106604	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	210501	50.80	ng	-0.02
7) Phenol-d6	6.93	99	258247	52.05	ng	-0.03
23) Nitrobenzene-d5	8.28	82	143534	34.46	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	40633	42.96	ng	-0.04
44) 2-Fluorobiphenyl	11.17	172	236090	30.74	ng	-0.04
78) Terphenyl-d14	16.99	244	140551	25.40	ng	-0.03

Target Compounds				Qvalue		
49) Dimethylphthalate	11.87	163	44908	5.53	ng	99
51) Acenaphthene	12.27	154	18049	2.66	ng	94
57) Fluorene	13.12	166	25740	3.09	ng	99
70) Phenanthrene	14.65	178	247819	26.76	ng	98
71) Anthracene	14.74	178	64517	6.67	ng	96
72) Carbazole	15.05	167	19081	2.03	ng	# 95
74) Fluoranthene	16.43	202	254668	27.78	ng	98
77) Pyrene	16.73	202	245578	23.96	ng	# 94
80) Benzo(a)anthracene	18.32	228	110712	13.86	ng	97
82) Chrysene	18.36	228	107906	13.52	ng	96
83) Bis(2-ethylhexyl)phthalate	18.41	149	13608	2.16	ng	# 96
85) Indeno(1,2,3-cd)pyrene	21.19	276	33274	4.87	ng	97
87) Benzo(b)fluoranthene	19.60	252	93922m	14.07	ng	
88) Benzo(k)fluoranthene	19.63	252	36728m	5.76	ng	
89) Benzo(a)pyrene	19.95	252	78136	12.74	ng	96
91) Benzo(g,h,i)perylene	21.52	276	34929	6.58	ng	95

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

Data File : BF095845.D

Acq On : 10 Jun 2017 3:57

Operator : SJ/MA

Sample : I3503-01 2X

Misc :

ALS Vial : 23 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PIER-53-A-COMP

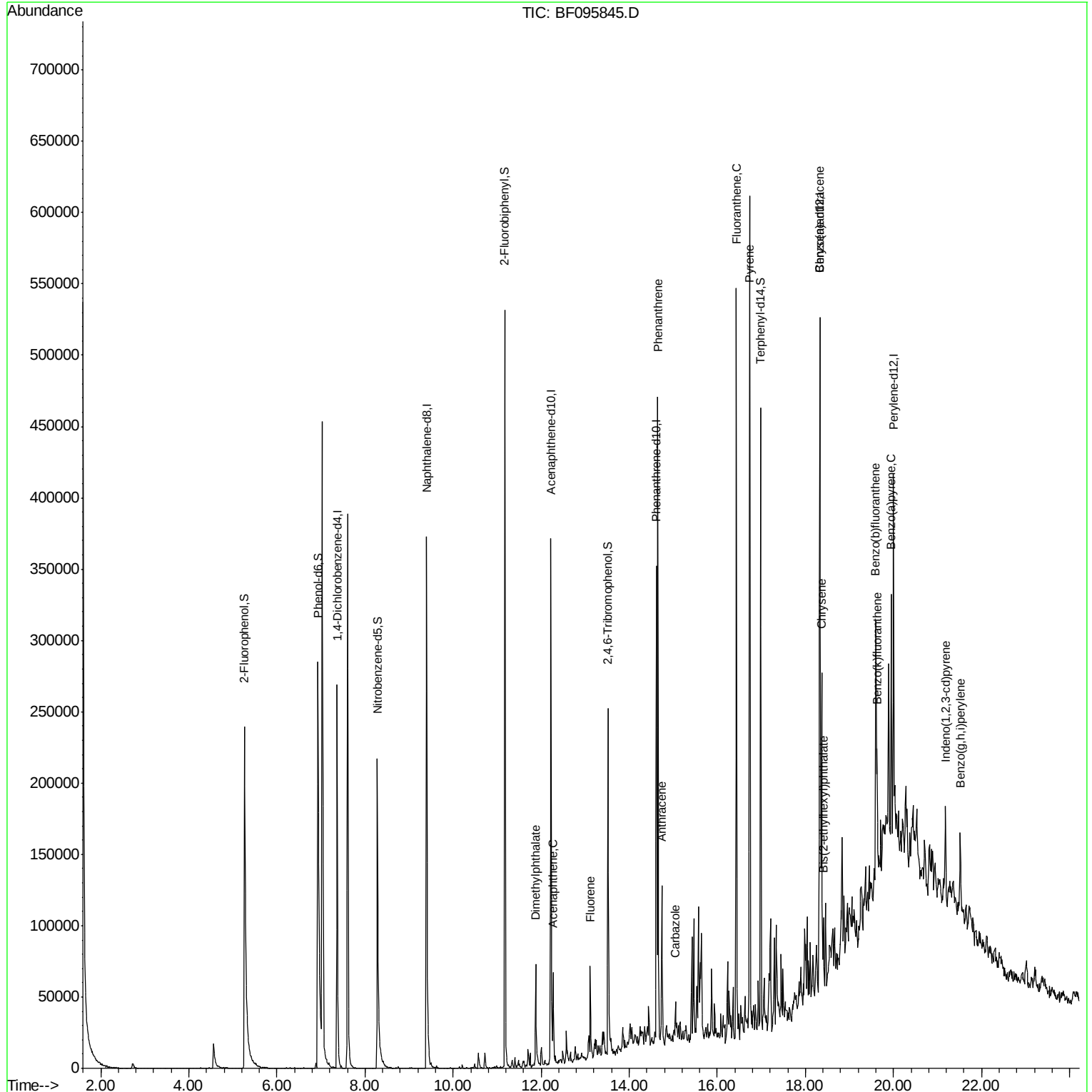
Quant Time: Jun 12 07:13:21 2017

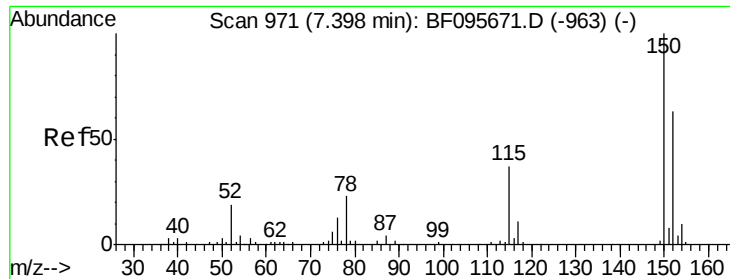
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 05 16:15:31 2017

Response via : Initial Calibration



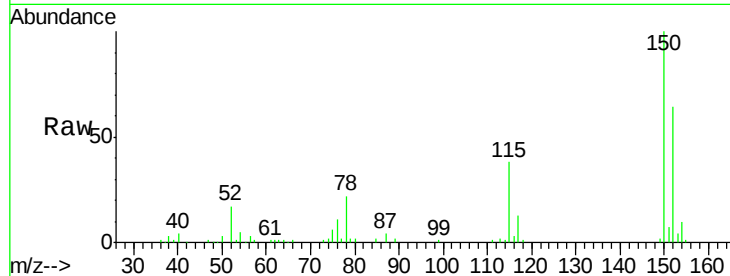


#1

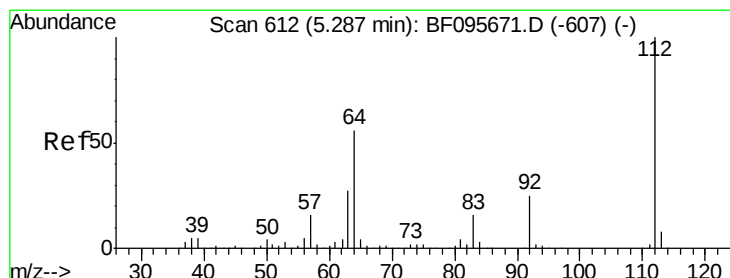
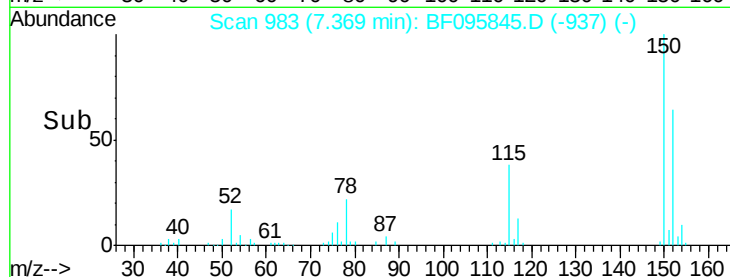
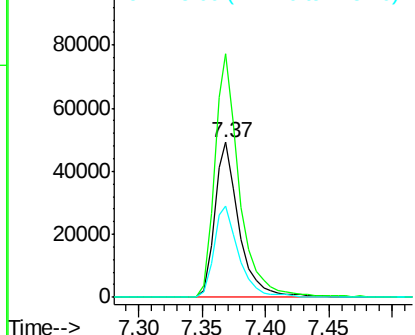
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095845.D
Acq: 10 Jun 2017 3:57

Instrument :
BNA_F
ClientSampleId :
PIER-53-A-COMP

Tgt Ion:152 Resp: 66033
Ion Ratio Lower Upper
152 100
150 157.0 126.2 189.2
115 59.0 52.2 78.2



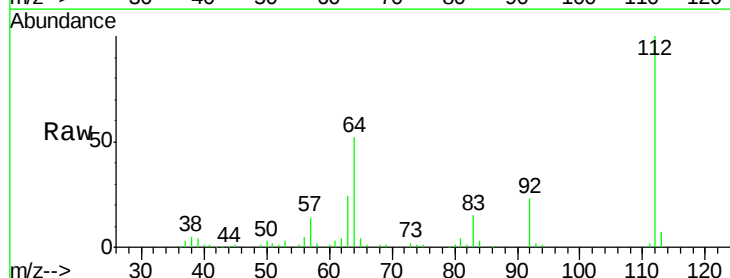
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



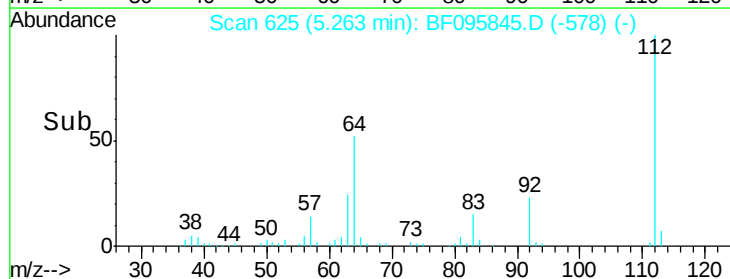
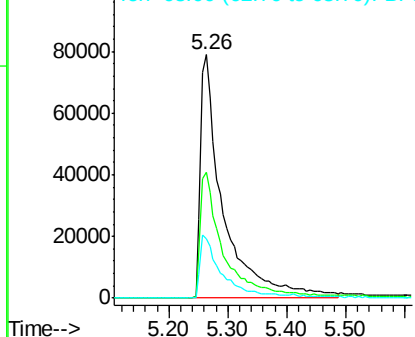
#5

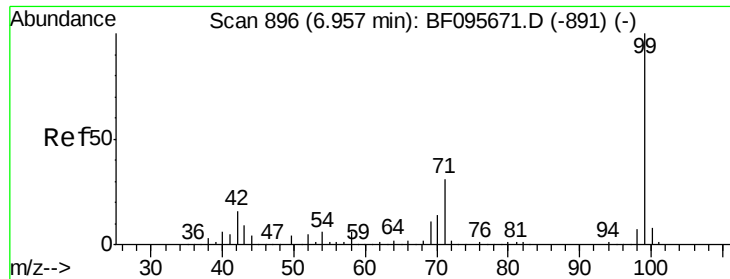
2-Fluorophenol
Concen: 50.80 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095845.D
Acq: 10 Jun 2017 3:57

Tgt Ion:112 Resp: 210501
Ion Ratio Lower Upper
112 100
64 51.6 46.0 69.0
63 24.3 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: 52.05 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

Instrument :

BNA_F

ClientSampleId :

PIER-53-A-COMP

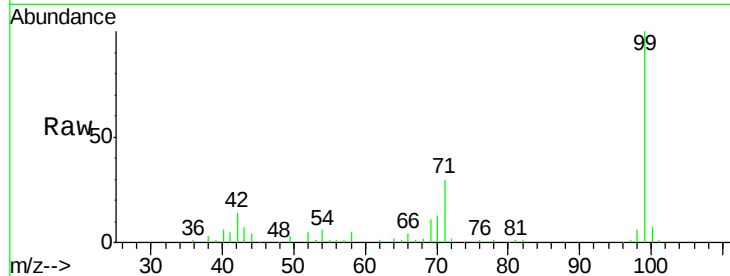
Tgt Ion: 99 Resp: 258247

Ion Ratio Lower Upper

99 100

42 14.5 13.5 20.3

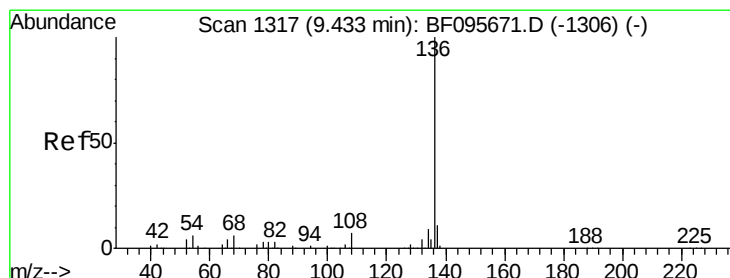
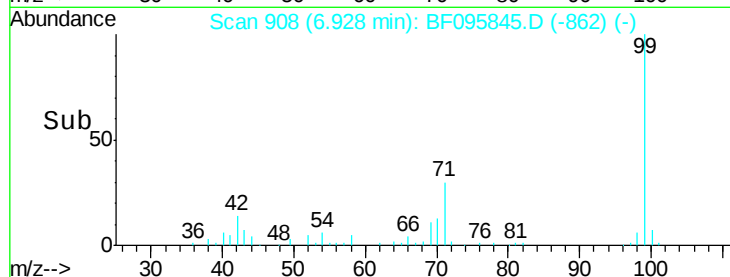
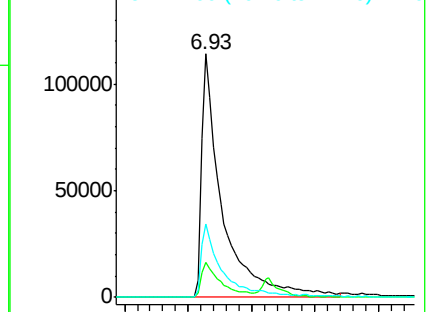
71 30.0 24.5 36.7



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: BF095845.D

Acq: 10 Jun 2017 3:57

Tgt Ion: 136 Resp: 258712

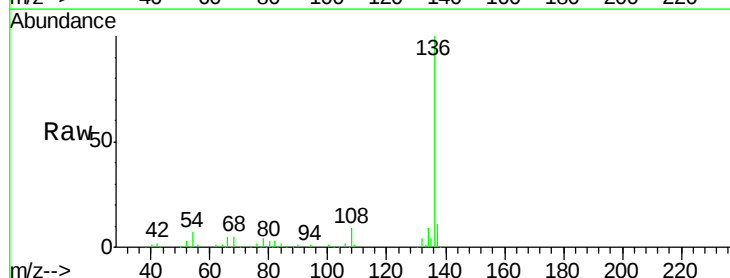
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 6.6 4.9 7.3

68 5.3 4.1 6.1

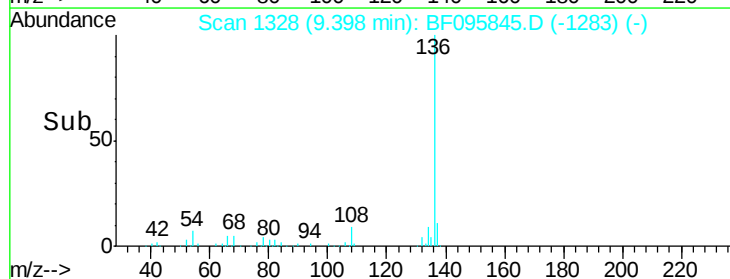
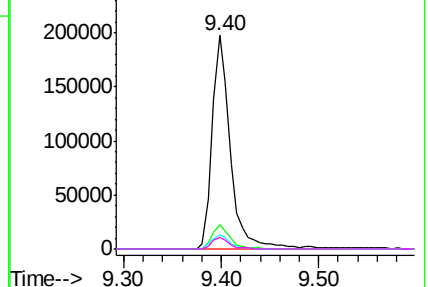


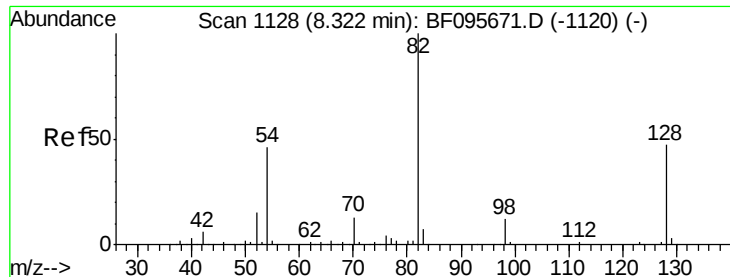
Abundance Ion 136.00 (135.70 to 136.70): E

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

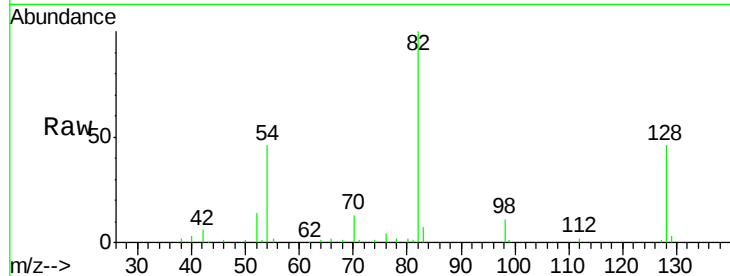




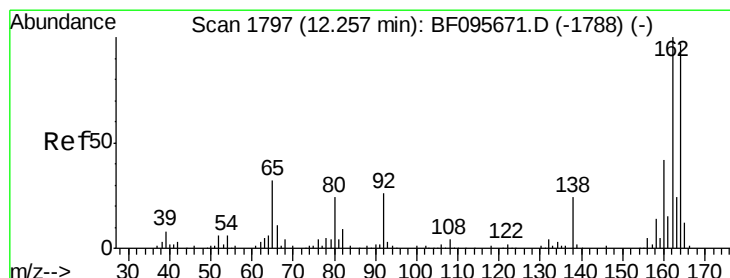
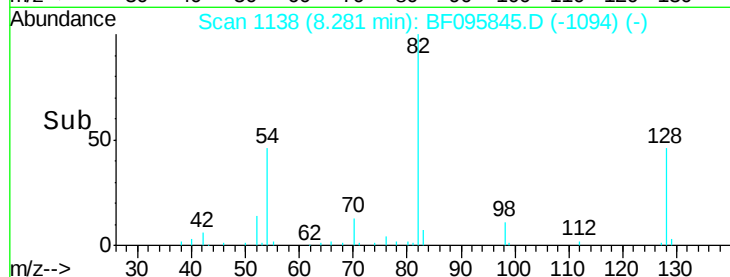
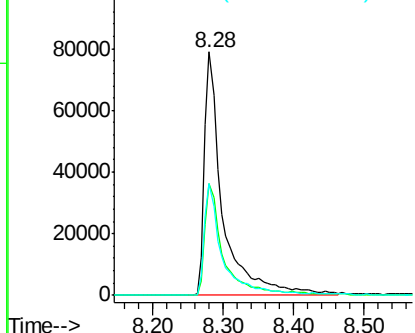
#23
 Nitrobenzene-d5
 Concen: 34.46 ng
 RT: 8.28 min Scan# 1138
 Delta R.T. -0.04 min
 Lab File: BF095845.D
 Acq: 10 Jun 2017 3:57

Instrument :
 BNA_F
 ClientSampleId :
 PIER-53-A-COMP

Tgt Ion: 82 Resp: 143534
 Ion Ratio Lower Upper
 82 100
 128 45.9 34.0 51.0
 54 46.1 42.2 63.2

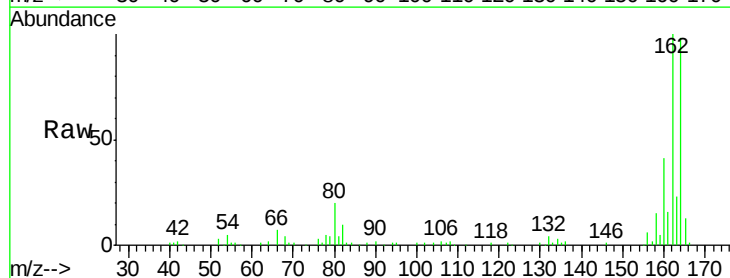


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

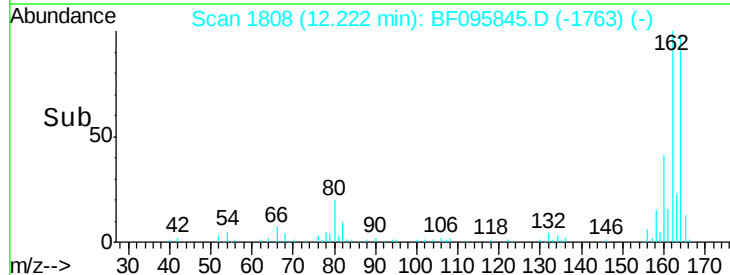
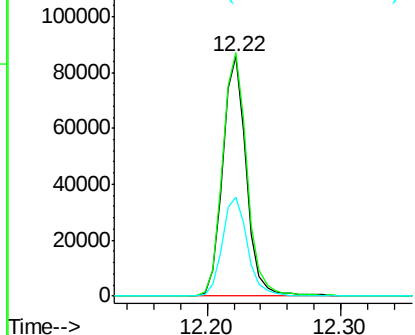


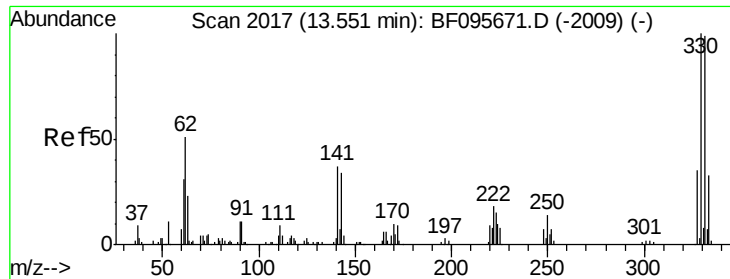
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.22 min Scan# 1808
 Delta R.T. -0.04 min
 Lab File: BF095845.D
 Acq: 10 Jun 2017 3:57

Tgt Ion: 164 Resp: 106892
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.6 123.8
 160 41.5 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

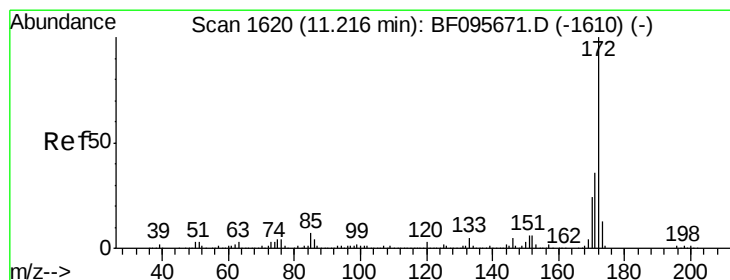
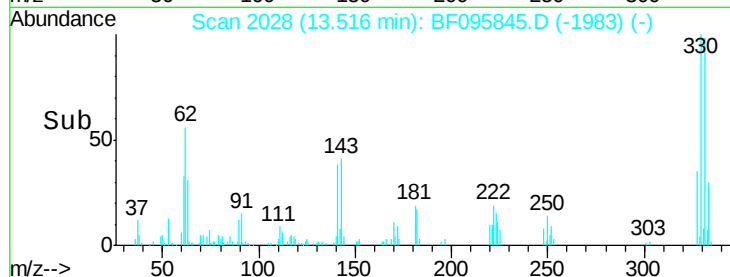
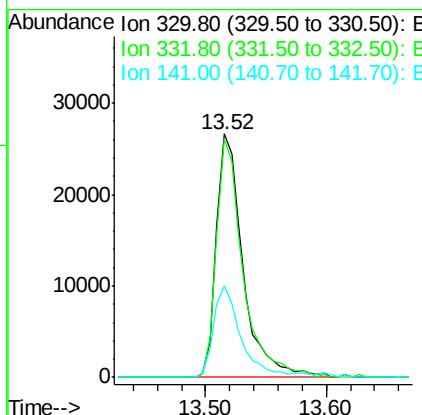
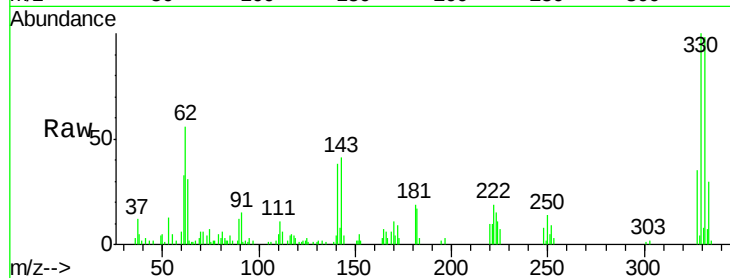




#41
 2,4,6-Tribromophenol
 Concen: 42.96 ng
 RT: 13.52 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF095845.D
 Acq: 10 Jun 2017 3:57

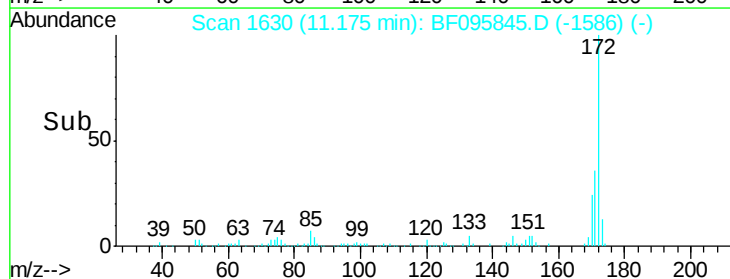
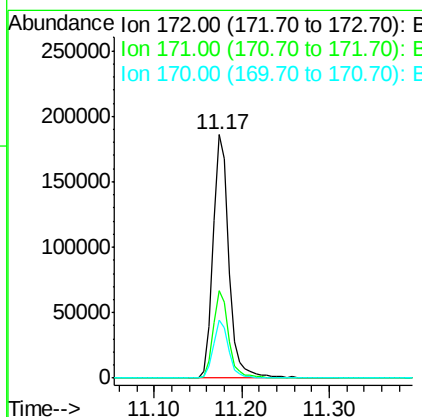
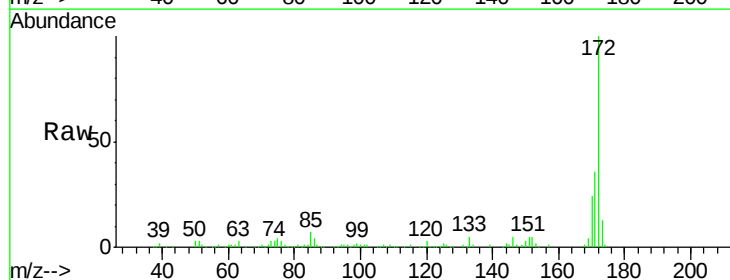
Instrument :
 BNA_F
 ClientSampleId :
 PIER-53-A-COMP

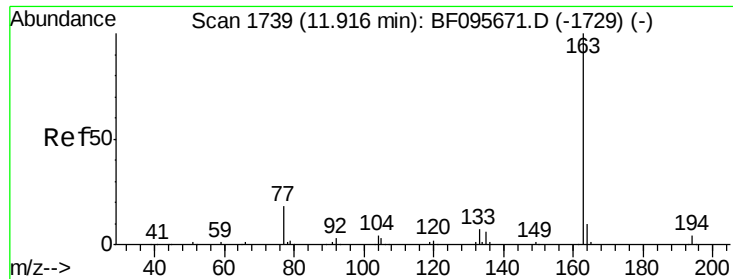
Tgt Ion:330 Resp: 40633
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 115.0
 141 40.2 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 30.74 ng
 RT: 11.17 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF095845.D
 Acq: 10 Jun 2017 3:57

Tgt Ion:172 Resp: 236090
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 23.8 19.8 29.8





#49

Dimethylphthalate

Concen: 5.53 ng

RT: 11.87 min Scan# 1749

Delta R.T. -0.04 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

Instrument :

BNA_F

ClientSampleId :

PIER-53-A-COMP

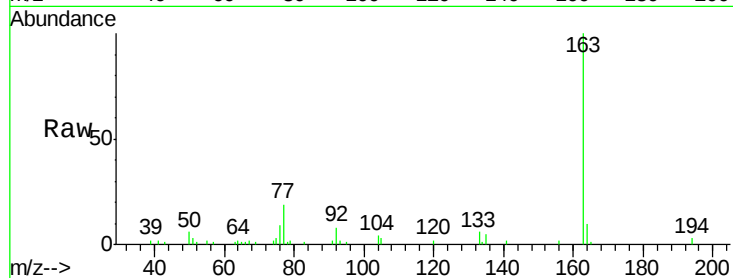
Tgt Ion:163 Resp: 44908

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

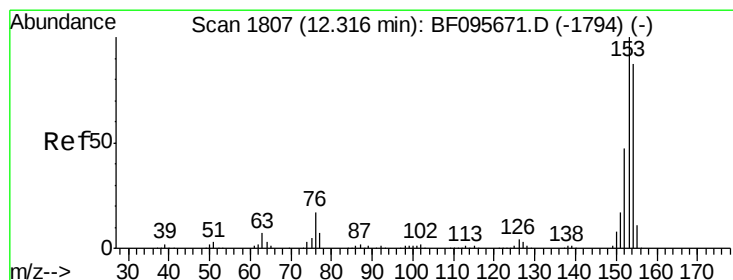
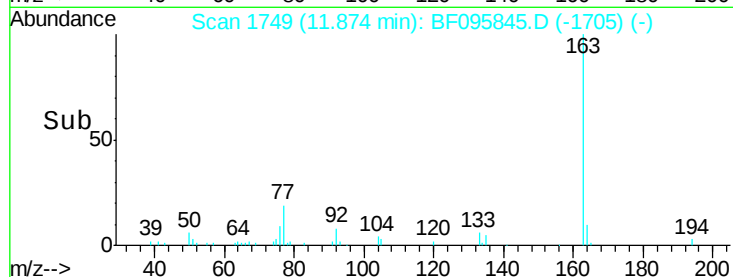
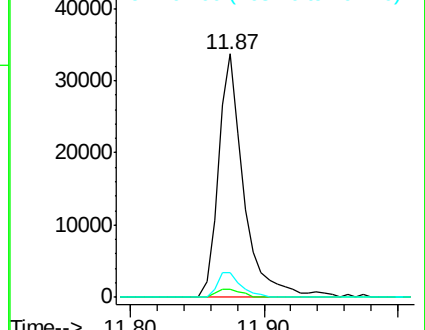
164 10.0 8.4 12.6



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



#51

Acenaphthene

Concen: 2.66 ng

RT: 12.27 min Scan# 1817

Delta R.T. -0.04 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

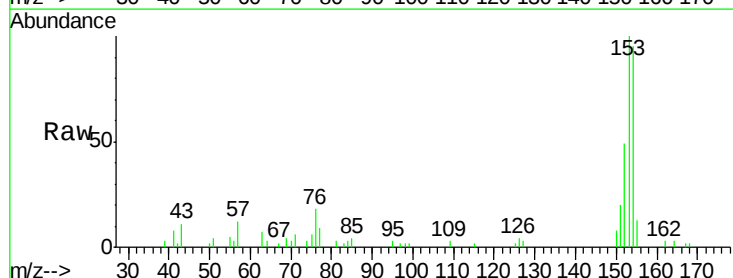
Tgt Ion:154 Resp: 18049

Ion Ratio Lower Upper

154 100

153 105.0 90.5 135.7

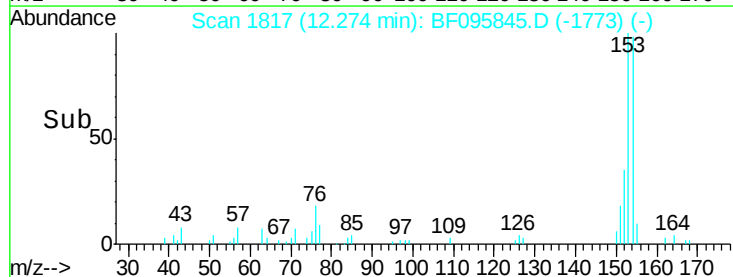
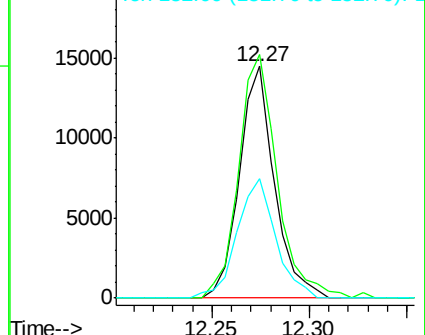
152 51.4 43.6 65.4

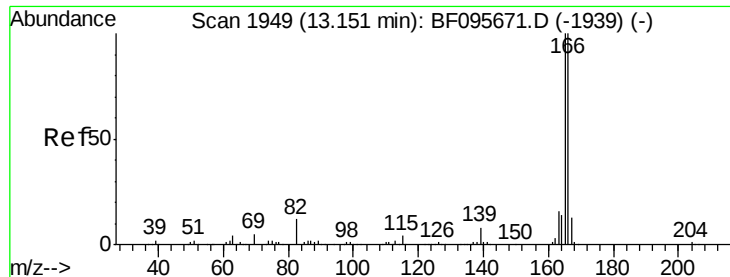


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 3.09 ng

RT: 13.12 min Scan# 1960

Delta R.T. -0.04 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

Instrument :

BNA_F

ClientSampleId :

PIER-53-A-COMP

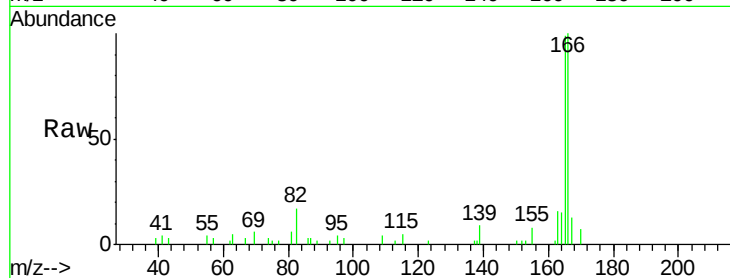
Tgt Ion:166 Resp: 25740

Ion Ratio Lower Upper

166 100

165 99.0 78.8 118.2

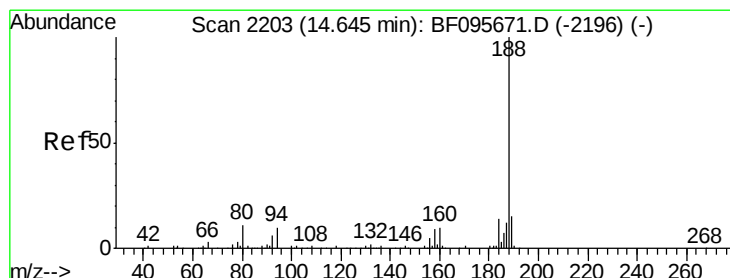
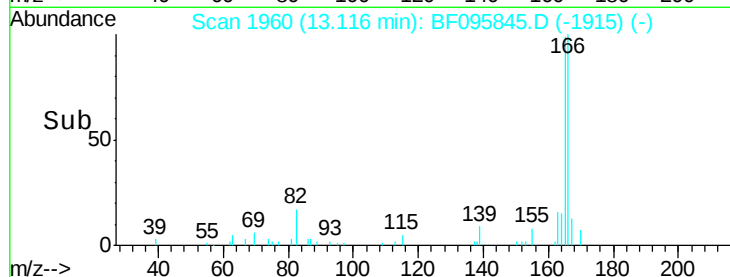
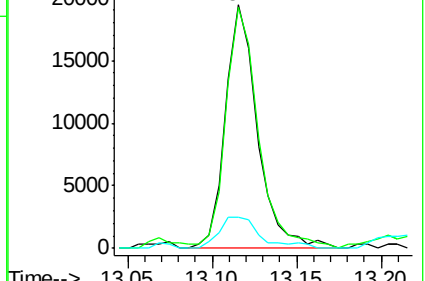
167 12.9 10.6 16.0



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: BF095845.D

Acq: 10 Jun 2017 3:57

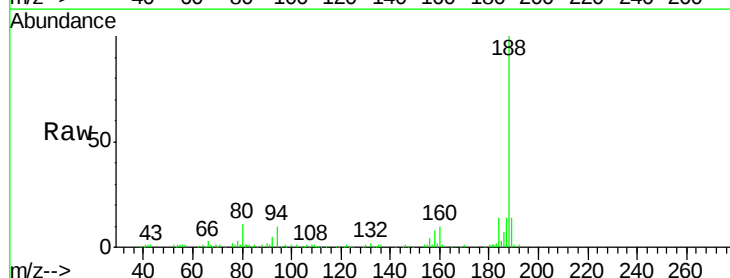
Tgt Ion:188 Resp: 160514

Ion Ratio Lower Upper

188 100

94 10.4 9.4 14.2

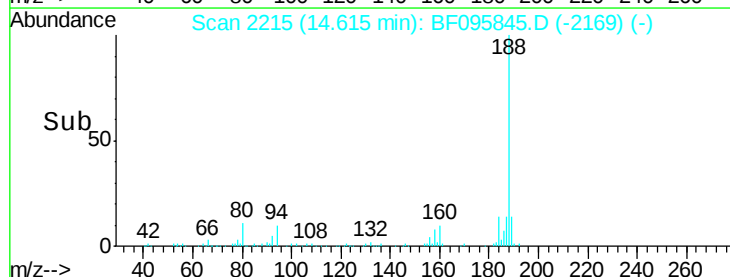
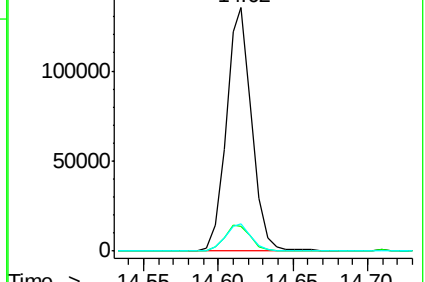
80 11.1 10.2 15.2

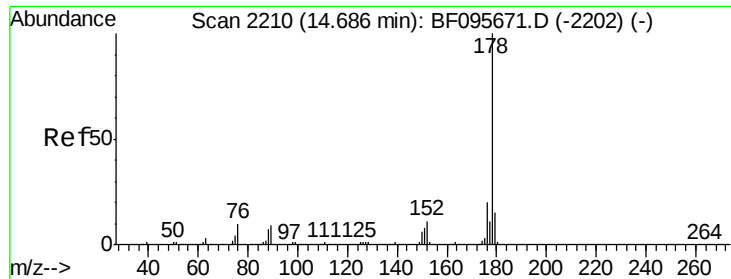


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 26.76 ng

RT: 14.65 min Scan# 2221

Delta R.T. -0.04 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

Instrument :

BNA_F

ClientSampleId :

PIER-53-A-COMP

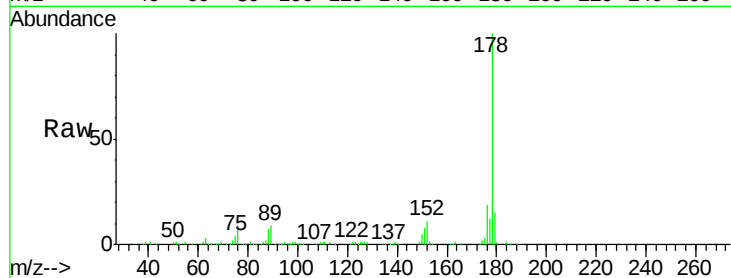
Tgt Ion:178 Resp: 247819

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

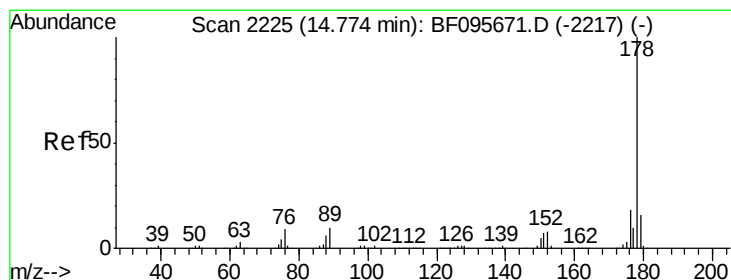
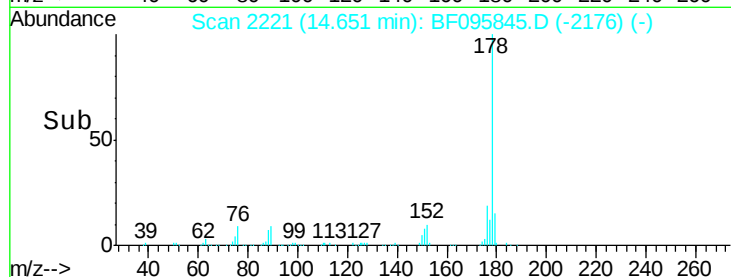
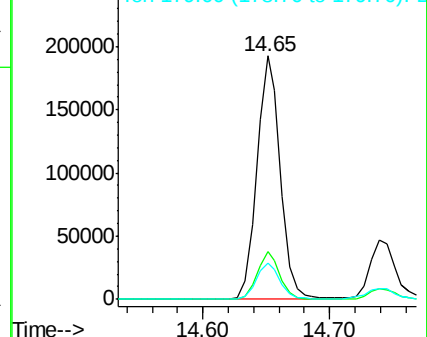
179 15.2 12.6 19.0



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: 6.67 ng

RT: 14.74 min Scan# 2236

Delta R.T. -0.04 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

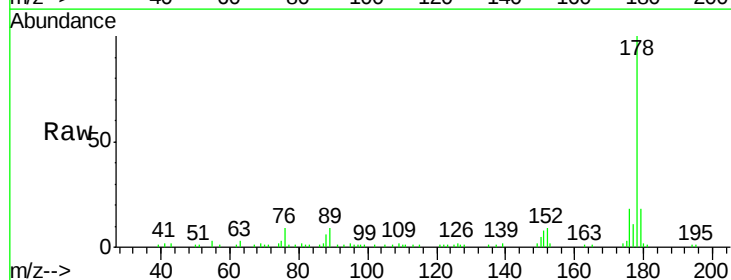
Tgt Ion:178 Resp: 64517

Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.8

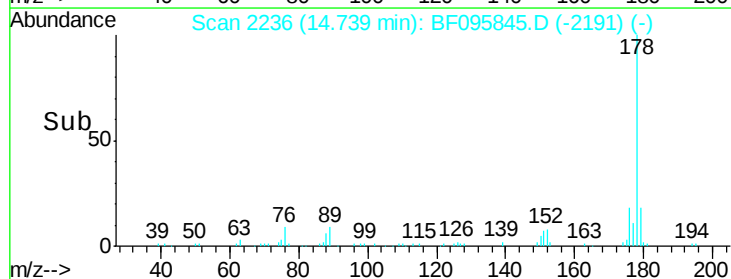
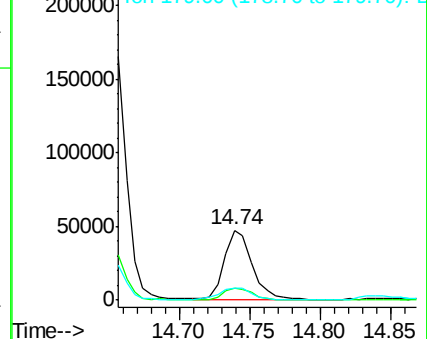
179 17.7 12.7 19.1

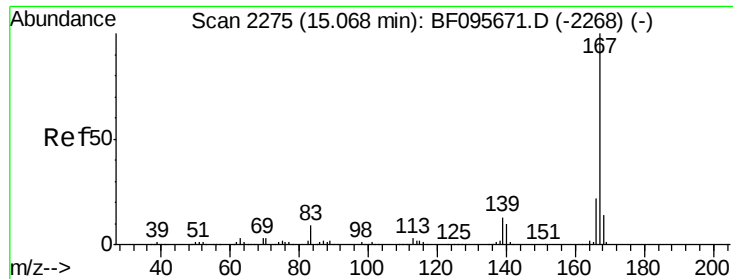


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.03 ng

RT: 15.05 min Scan# 2289

Delta R.T. -0.02 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

Instrument :

BNA_F

ClientSampleId :

PIER-53-A-COMP

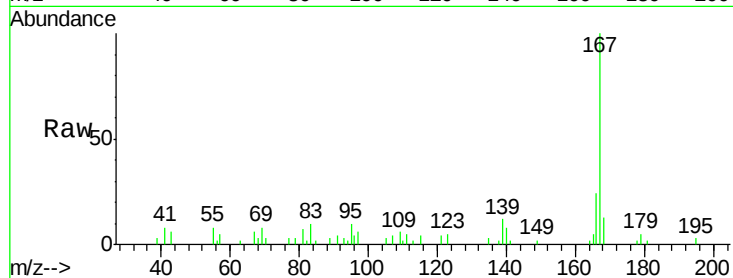
Tgt Ion:167 Resp: 19081

Ion Ratio Lower Upper

167 100

166 24.1 18.1 27.1

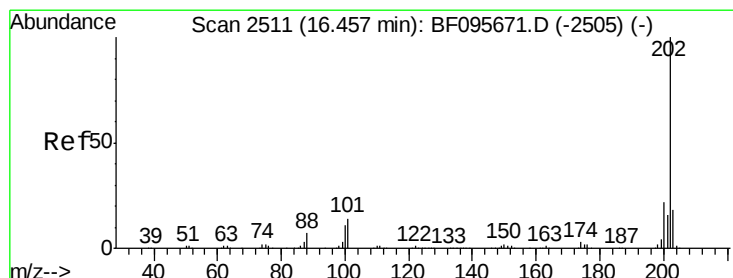
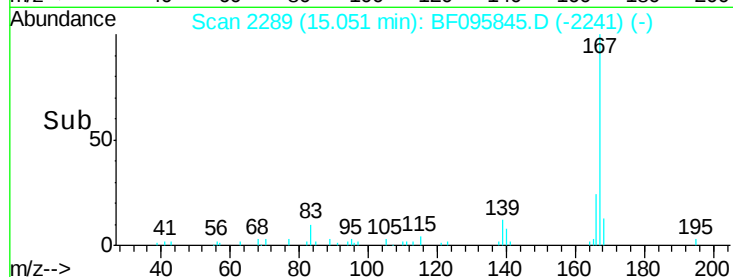
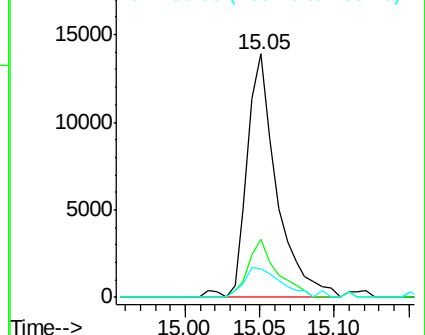
139 11.7 11.7 17.5#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 27.78 ng

RT: 16.43 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

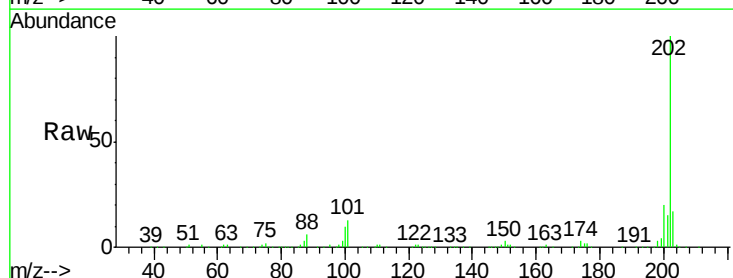
Tgt Ion:202 Resp: 254668

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.2

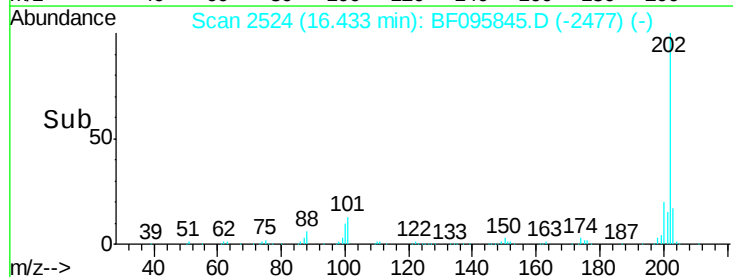
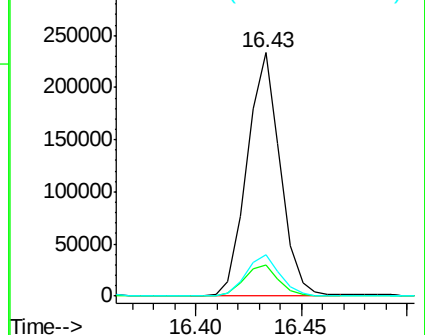
203 16.8 0.0 38.1

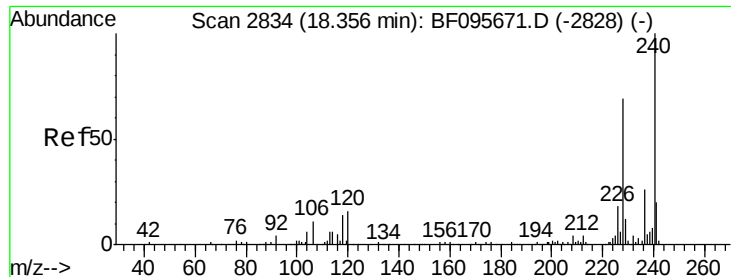


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.33 min Scan# 2847

Delta R.T. -0.02 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

Instrument :

BNA_F

ClientSampleId :

PIER-53-A-COMP

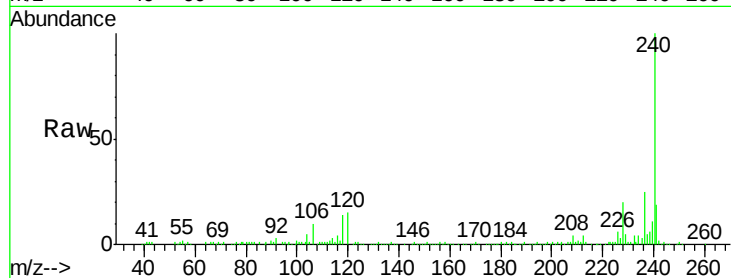
Tgt Ion:240 Resp: 137350

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

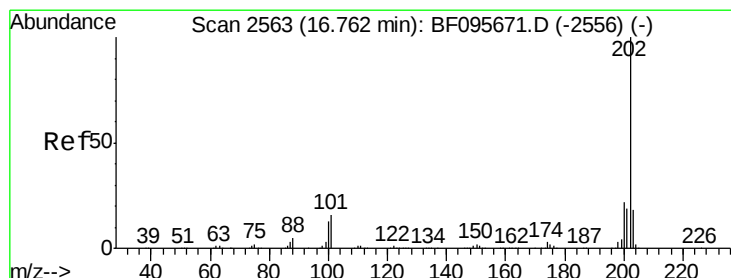
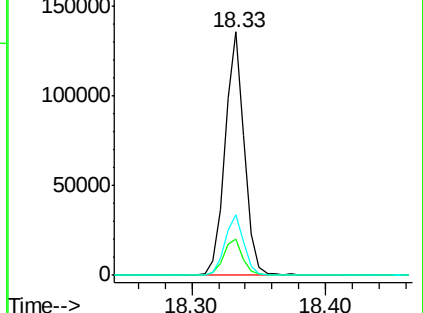
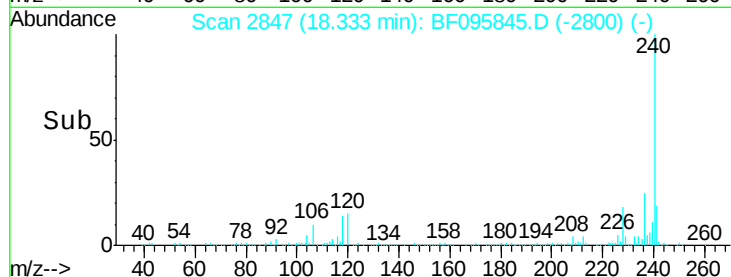
236 25.1 20.5 30.7



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: 23.96 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

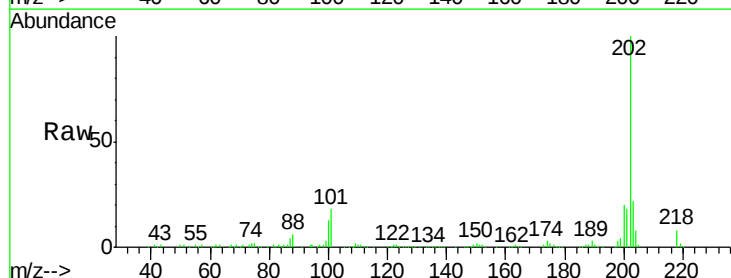
Tgt Ion:202 Resp: 245578

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

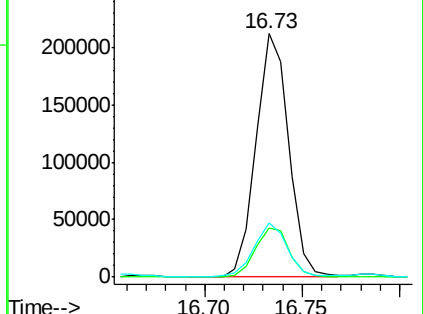
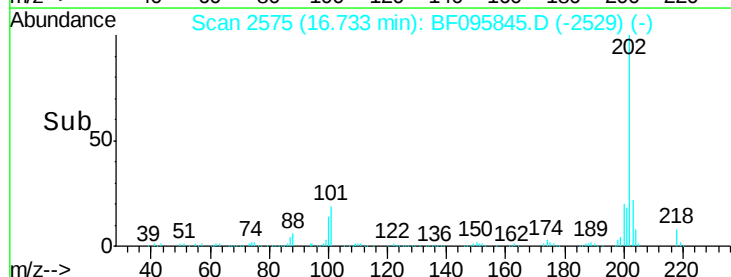
203 22.0 14.4 21.6#

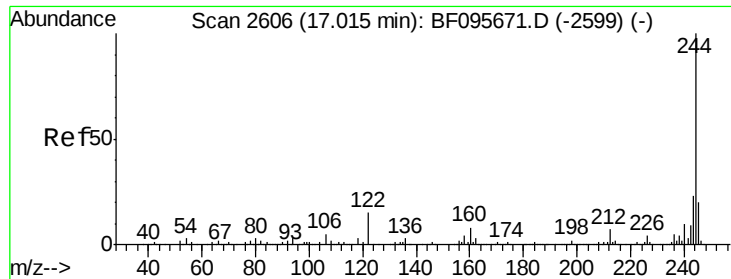


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

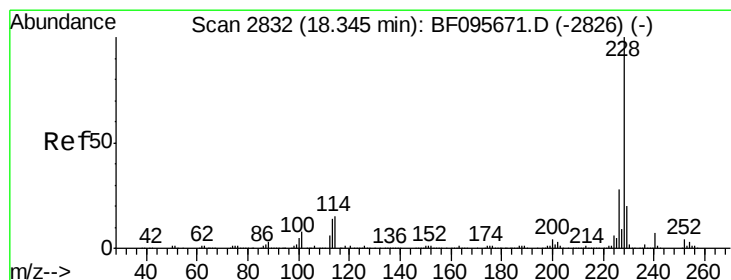
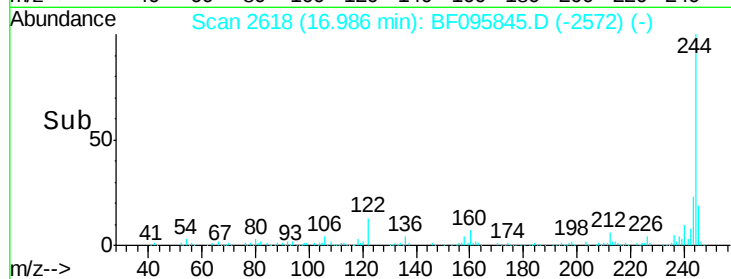
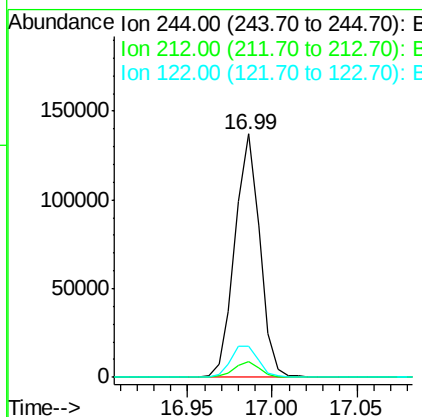
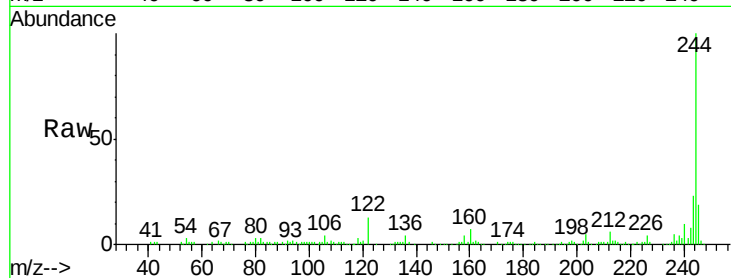




#78
 Terphenyl-d14
 Concen: 25.40 ng
 RT: 16.99 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BF095845.D
 Acq: 10 Jun 2017 3:57

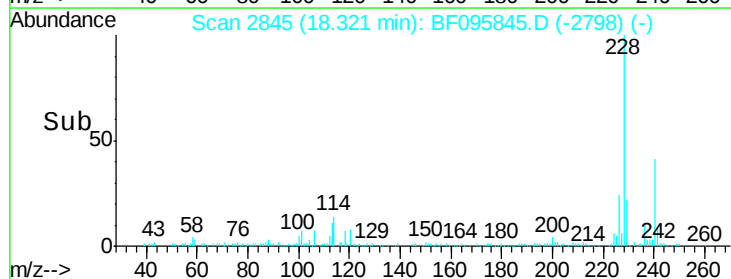
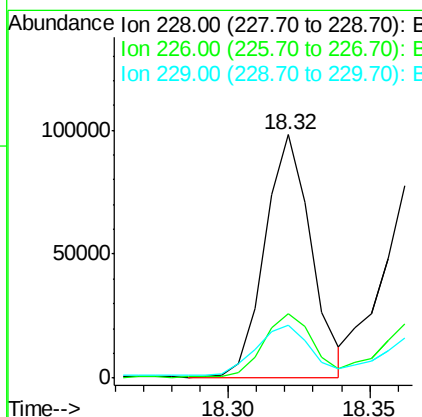
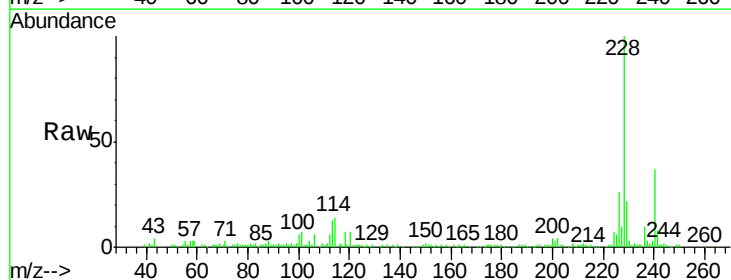
Instrument :
 BNA_F
 ClientSampleId :
 PIER-53-A-COMP

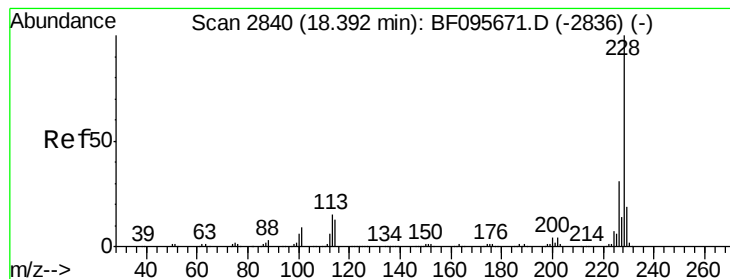
Tgt Ion: 244 Resp: 140551
 Ion Ratio Lower Upper
 244 100
 212 6.3 6.0 9.0
 122 12.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 13.86 ng
 RT: 18.32 min Scan# 2845
 Delta R.T. -0.02 min
 Lab File: BF095845.D
 Acq: 10 Jun 2017 3:57

Tgt Ion: 228 Resp: 110712
 Ion Ratio Lower Upper
 228 100
 226 26.5 22.6 33.8
 229 21.8 16.3 24.5





#82

Chrysene

Concen: 13.52 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

Instrument :

BNA_F

ClientSampleId :

PIER-53-A-COMP

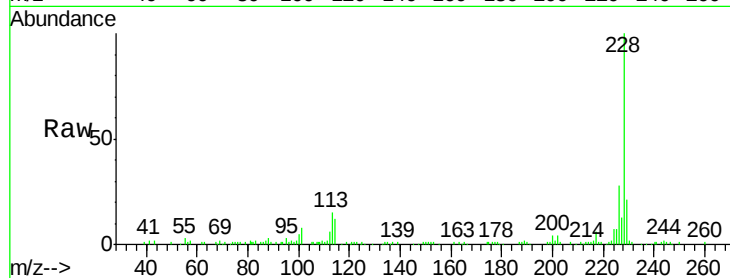
Tgt Ion: 228 Resp: 107906

Ion Ratio Lower Upper

228 100

226 28.3 24.9 37.3

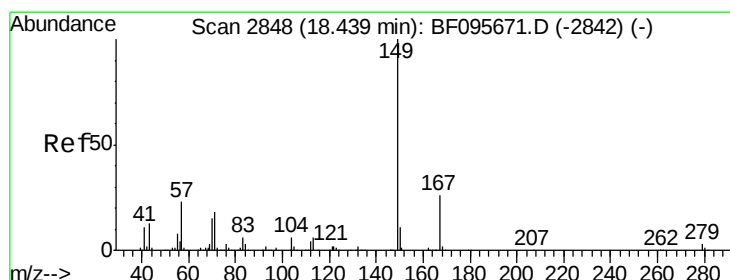
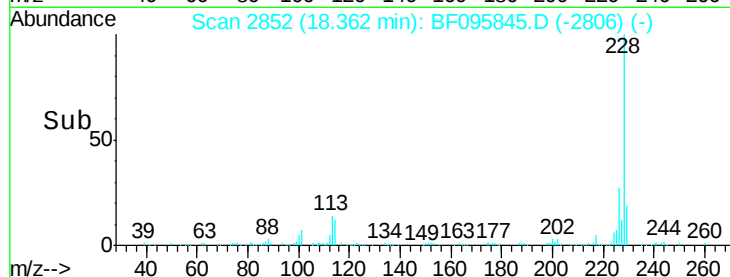
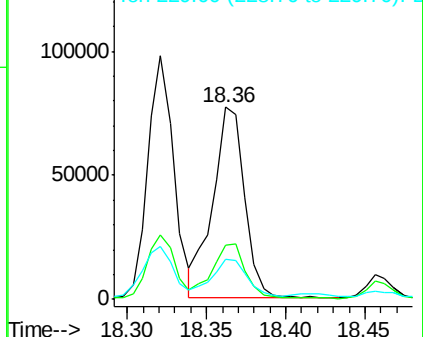
229 20.8 15.8 23.6



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: 2.16 ng

RT: 18.41 min Scan# 2860

Delta R.T. -0.03 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

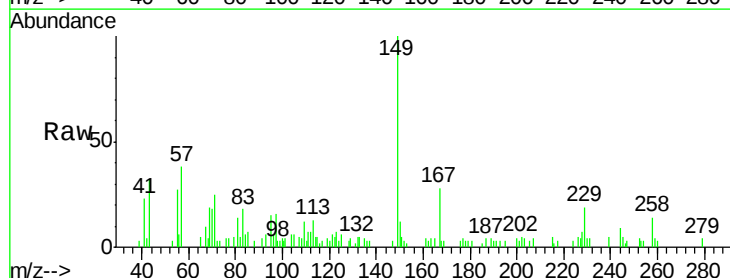
Tgt Ion: 149 Resp: 13608

Ion Ratio Lower Upper

149 100

167 27.9 21.0 31.4

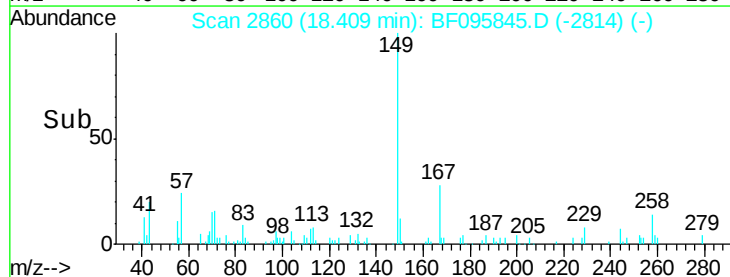
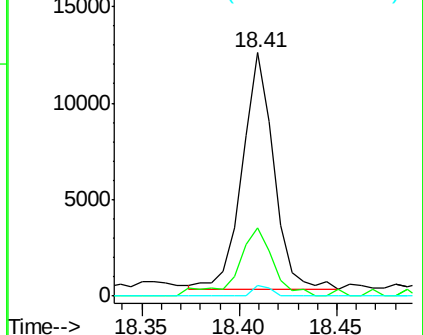
279 4.2 1.9 2.9#

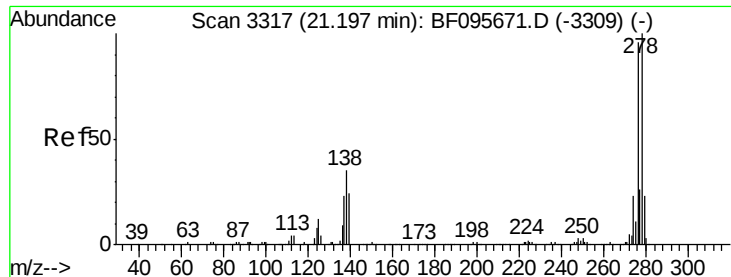


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

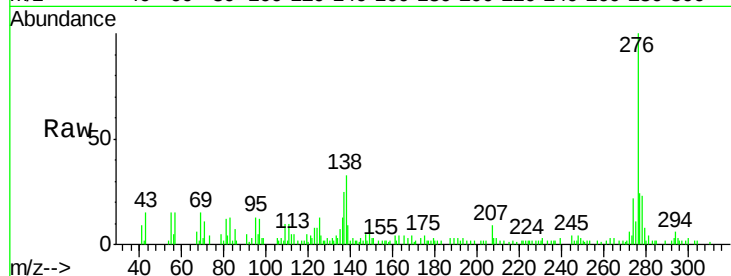




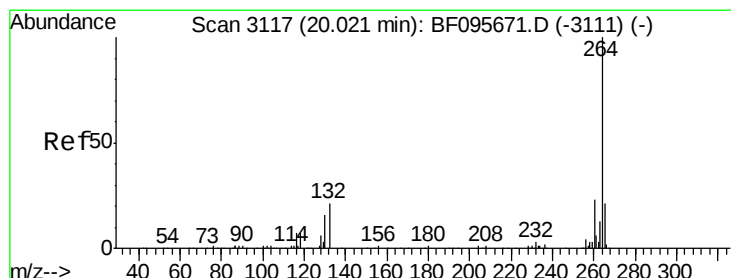
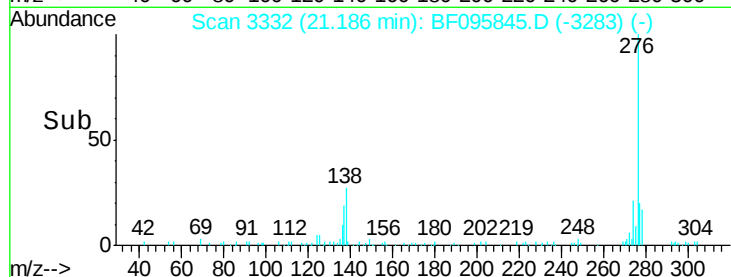
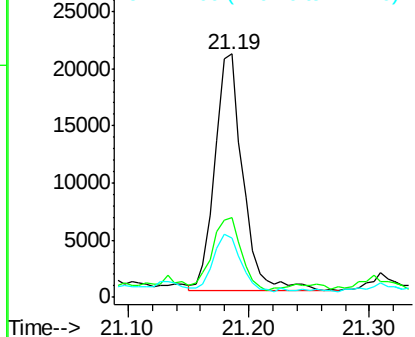
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.87 ng
 RT: 21.19 min Scan# 3332
 Delta R.T. -0.01 min
 Lab File: BF095845.D
 Acq: 10 Jun 2017 3:57

Instrument :
 BNA_F
 ClientSampleId :
 PIER-53-A-COMP

Tgt Ion:276 Resp: 33274
 Ion Ratio Lower Upper
 276 100
 138 31.9 27.8 41.6
 277 24.5 20.2 30.4

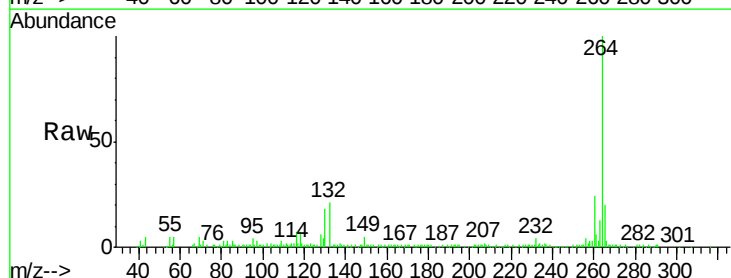


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

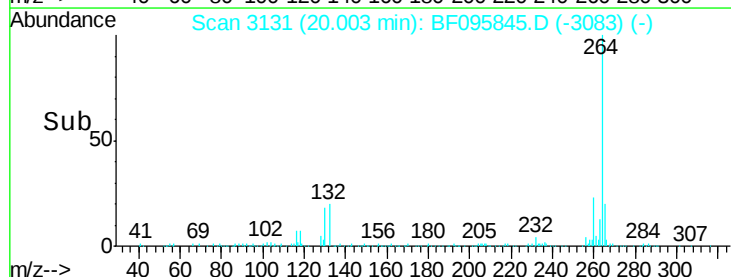
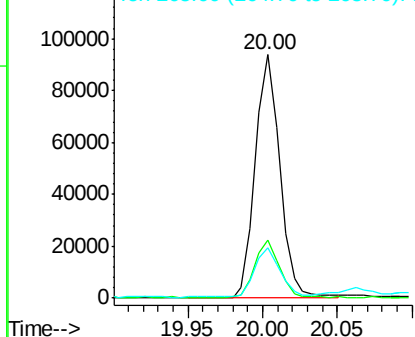


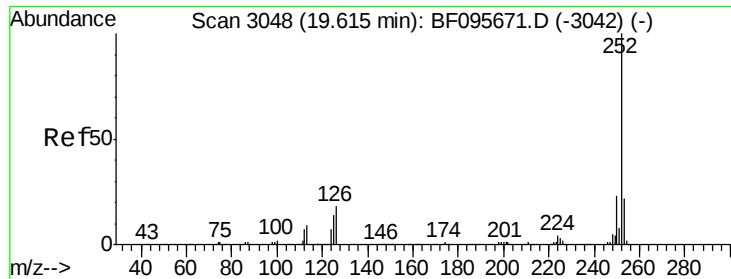
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.00 min Scan# 3131
 Delta R.T. -0.02 min
 Lab File: BF095845.D
 Acq: 10 Jun 2017 3:57

Tgt Ion:264 Resp: 106604
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.5 29.3
 265 20.5 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

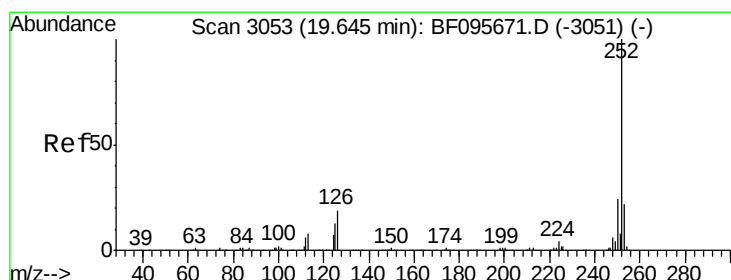
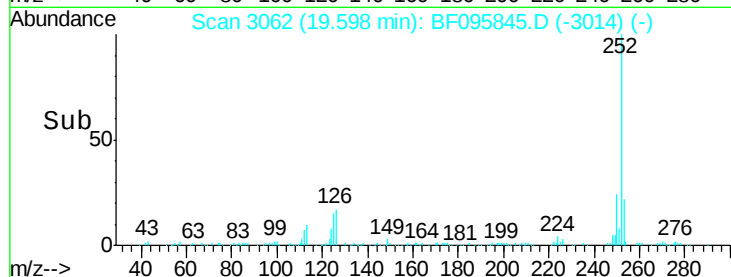
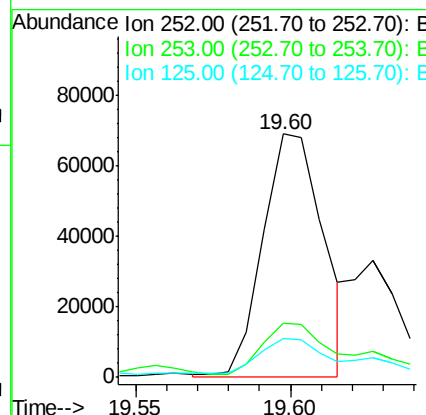
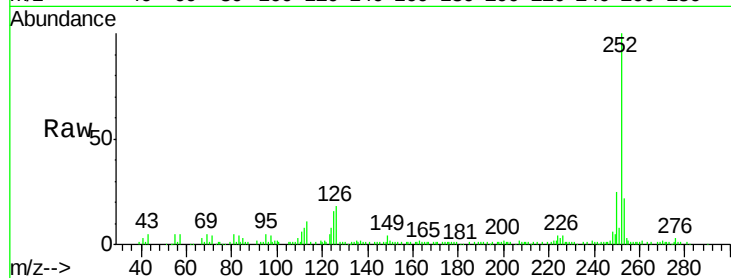




#87
Benzo(b)fluoranthene
Concen: 14.07 ng m
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095845.D
Acq: 10 Jun 2017 3:57

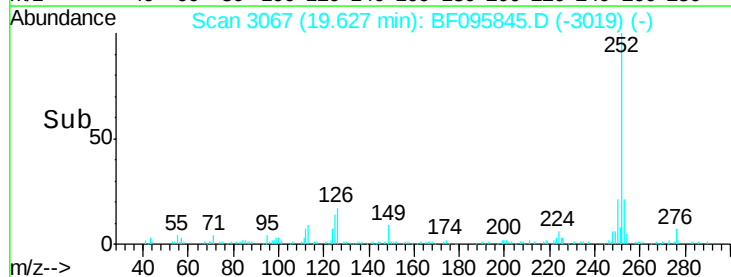
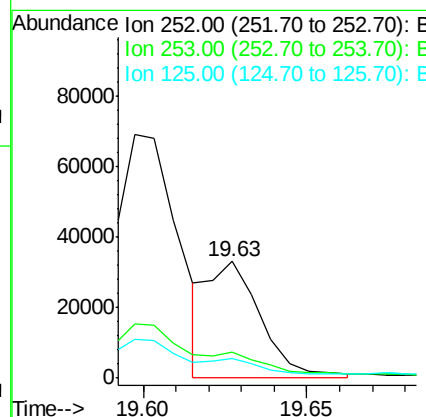
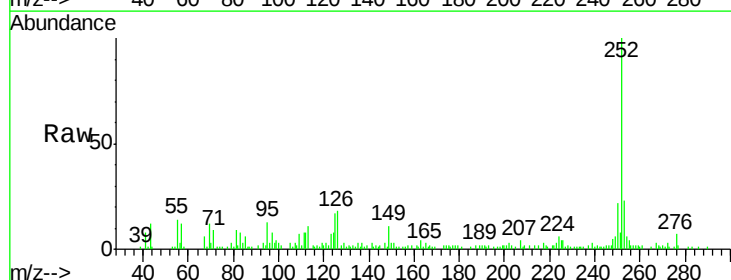
Instrument :
BNA_F
ClientSampleId :
PIER-53-A-COMP

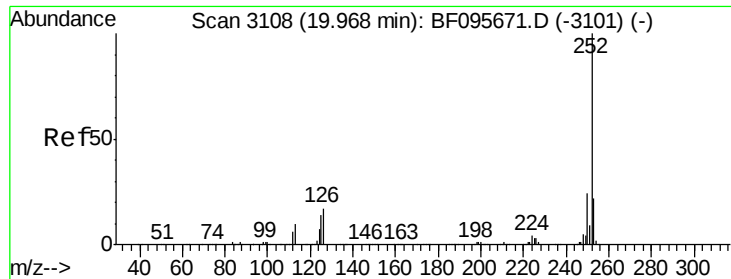
Tgt Ion:252 Resp: 93922
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 15.8 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 5.76 ng m
RT: 19.63 min Scan# 3067
Delta R.T. -0.02 min
Lab File: BF095845.D
Acq: 10 Jun 2017 3:57

Tgt Ion:252 Resp: 36728
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 16.9 13.1 19.7





#89

Benzo(a)pyrene

Concen: 12.74 ng

RT: 19.95 min Scan# 3122

Delta R.T. -0.02 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

Instrument :

BNA_F

ClientSampleId :

PIER-53-A-COMP

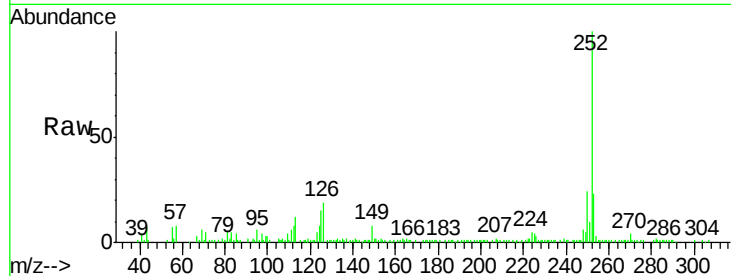
Tgt Ion:252 Resp: 78136

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

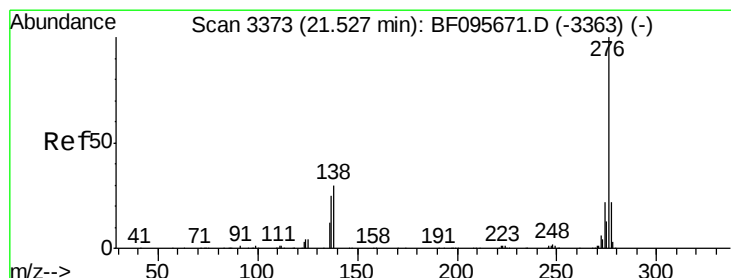
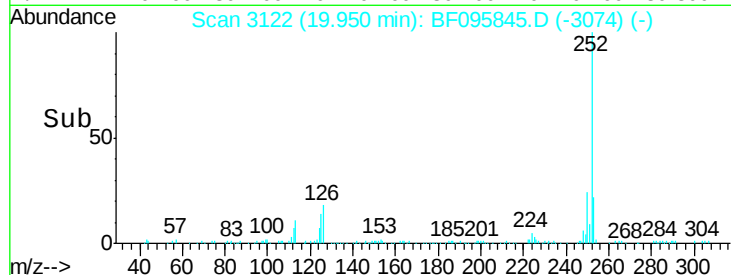
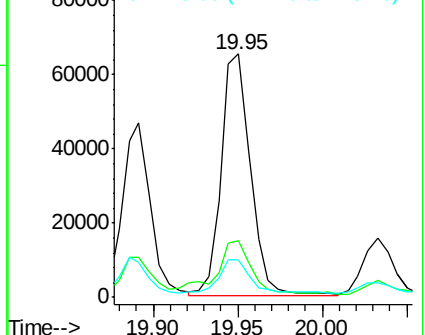
125 15.5 11.0 16.4



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: 6.58 ng

RT: 21.52 min Scan# 3388

Delta R.T. -0.01 min

Lab File: BF095845.D

Acq: 10 Jun 2017 3:57

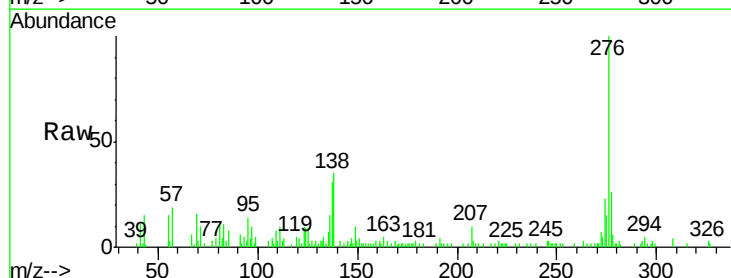
Tgt Ion:276 Resp: 34929

Ion Ratio Lower Upper

276 100

277 26.0 18.6 28.0

138 34.6 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

