

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
 Data File : BF095801.D
 Acq On : 9 Jun 2017 00:46
 Operator : SJ/MA
 Sample : I3526-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 09 01:29:42 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

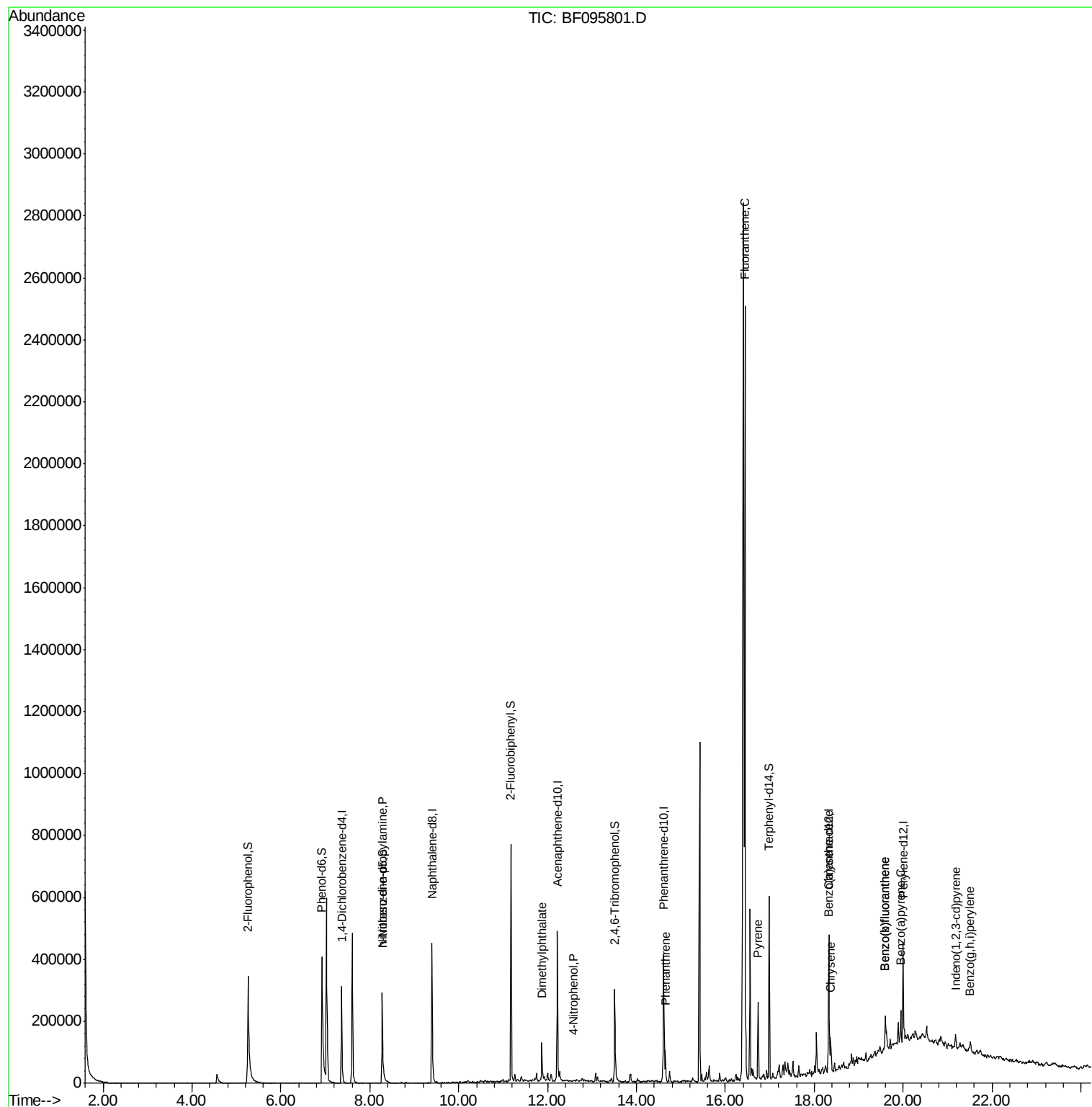
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	78442	20.00	ng	-0.04
21) Naphthalene-d8	9.40	136	316177	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	133135	20.00	ng	-0.04
63) Phenanthrene-d10	14.61	188	209207	20.00	ng	-0.04
75) Chrysene-d12	18.33	240	155768	20.00	ng	-0.03
86) Perylene-d12	20.00	264	125627	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	254210	51.64	ng	-0.03
7) Phenol-d6	6.92	99	319071	54.14	ng	-0.04
23) Nitrobenzene-d5	8.28	82	176610	34.69	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	53460	45.38	ng	-0.04
44) 2-Fluorobiphenyl	11.17	172	342121	35.76	ng	-0.04
78) Terphenyl-d14	16.99	244	213372	33.99	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.28	70	21280	5.70	ng	# 67
49) Dimethylphthalate	11.87	163	78495	7.77	ng	99
55) 4-Nitrophenol	12.57	139	1209	5.39	ng	# 62
70) Phenanthrene	14.65	178	62615	5.19	ng	96
74) Fluoranthene	16.43	202	97394	8.15	ng	89
77) Pyrene	16.73	202	106847	9.19	ng	97
80) Benzo(a)anthracene	18.32	228	54301	6.00	ng	95
82) Chrysene	18.36	228	49570	5.48	ng	97
85) Indeno(1,2,3-cd)pyrene	21.18	276	20552	2.65	ng	95
87) Benzo(b)fluoranthene	19.60	252	81646	10.38	ng	# 93
88) Benzo(k)fluoranthene	19.60	252	81646	10.86	ng	96
89) Benzo(a)pyrene	19.94	252	41724	5.77	ng	# 94
91) Benzo(a,h,i)perylene	21.51	276	22369	3.58	ng	# 82

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

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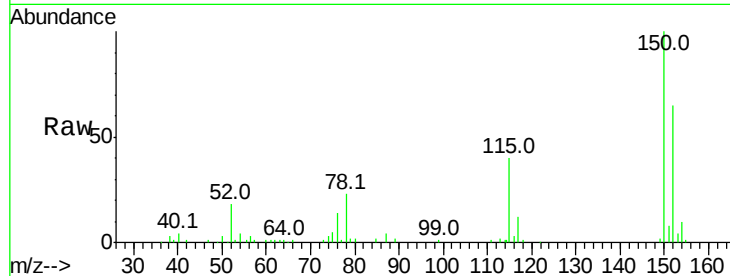


#1

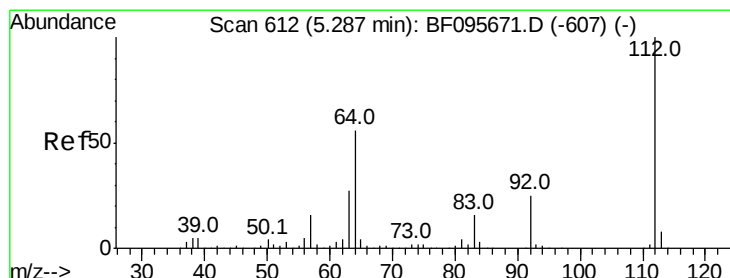
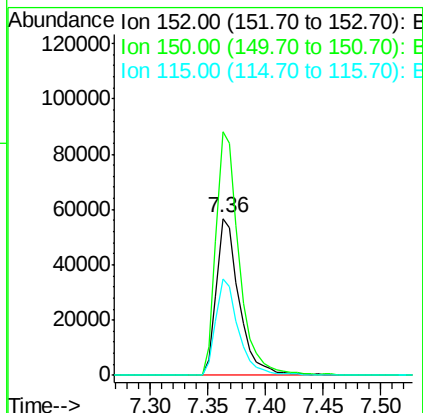
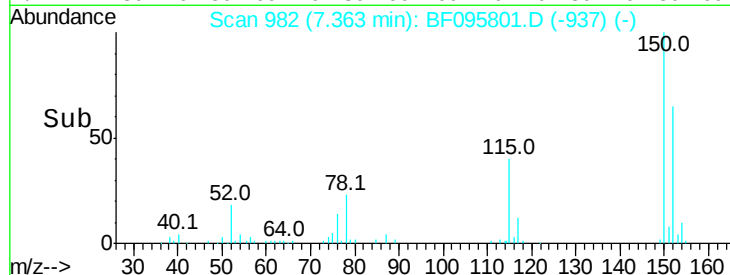
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.36 min Scan# 982
Delta R.T. -0.04 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 78442
Ion Ratio Lower Upper
152 100
150 154.9 126.2 189.2
115 61.6 52.2 78.2



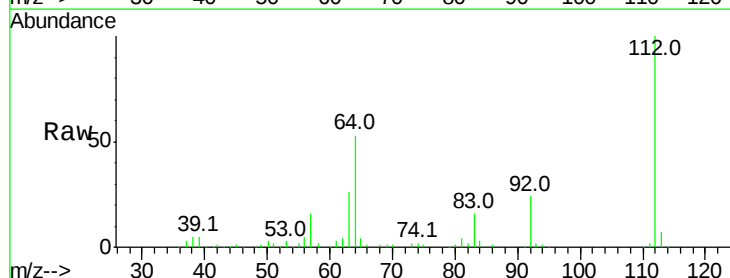
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



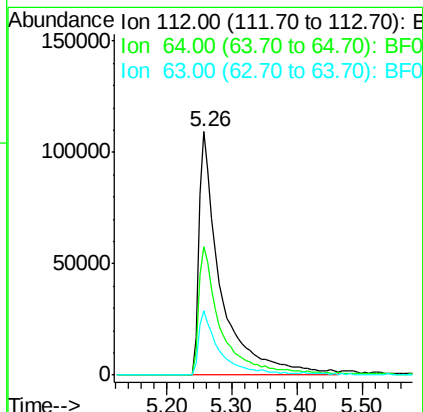
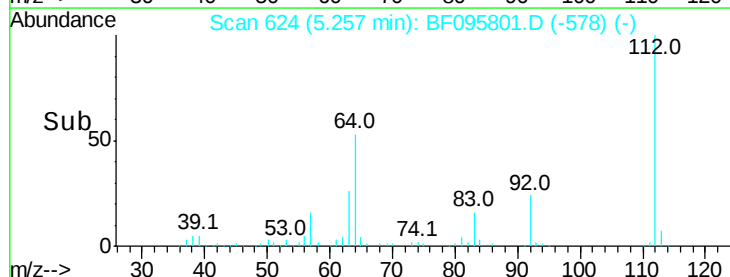
#5

2-Fluorophenol
Concen: 51.64 ng
RT: 5.26 min Scan# 624
Delta R.T. -0.03 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

Tgt Ion:112 Resp: 254210
Ion Ratio Lower Upper
112 100
64 52.7 46.0 69.0
63 26.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 54.14 ng

RT: 6.92 min Scan# 907

Delta R.T. -0.04 min

Lab File: BF095801.D

Acq: 9 Jun 2017 00:46

Instrument :

BNA_F

ClientSampleId :

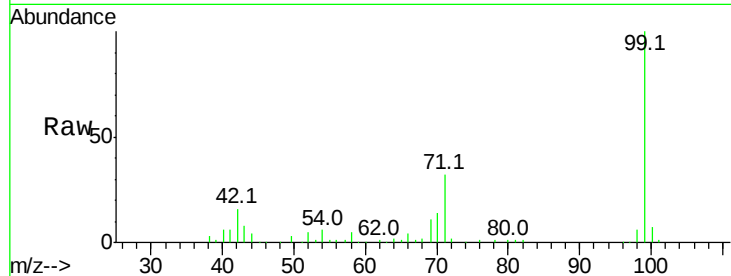
Tot Ion: 99 Resp: 319071

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

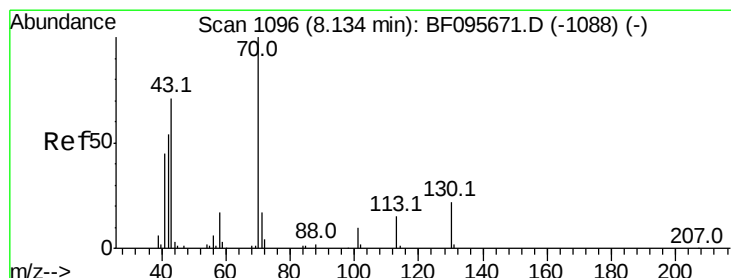
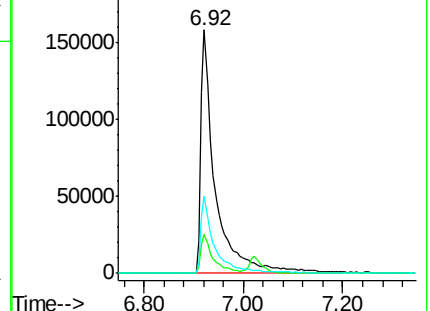
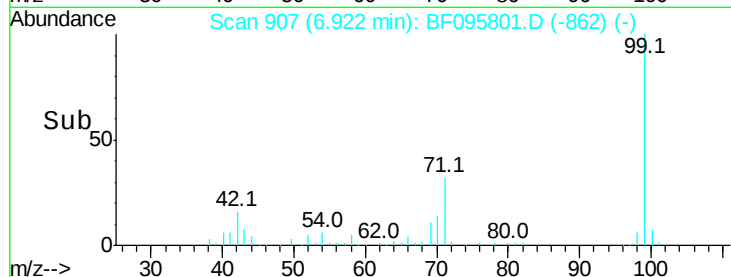
71 31.7 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.70 ng

RT: 8.28 min Scan# 1138

Delta R.T. 0.15 min

Lab File: BF095801.D

Acq: 9 Jun 2017 00:46

Tgt Ion: 70 Resp: 21280

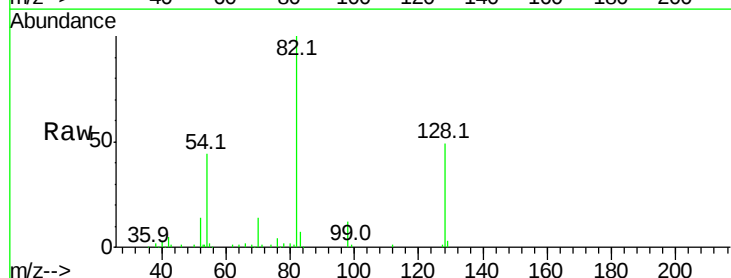
Ion Ratio Lower Upper

70 100

42 35.6 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

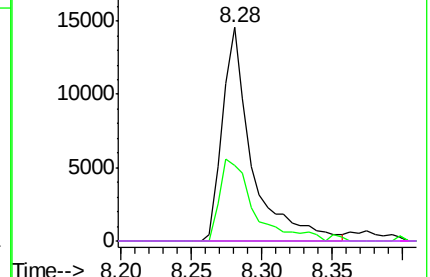
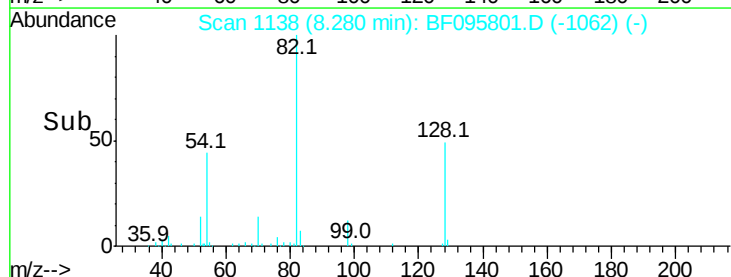


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095801.D

Acq: 9 Jun 2017 00:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 316177

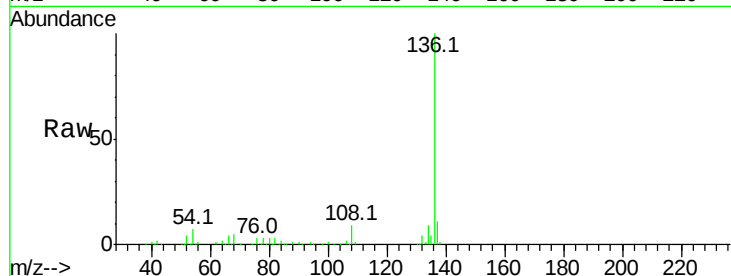
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.5 4.9 7.3

68 5.1 4.1 6.1

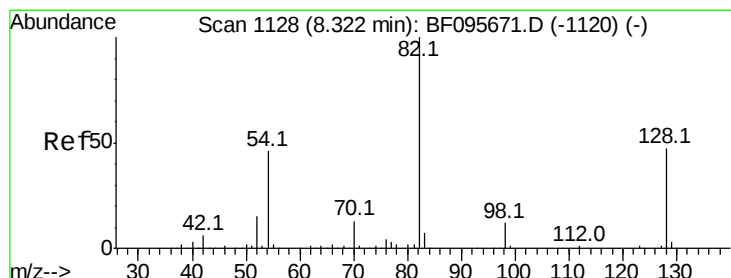
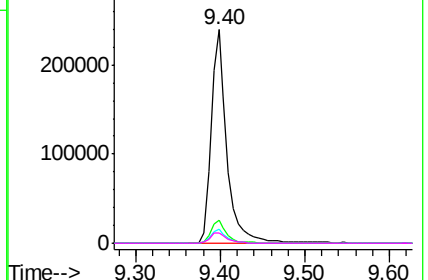
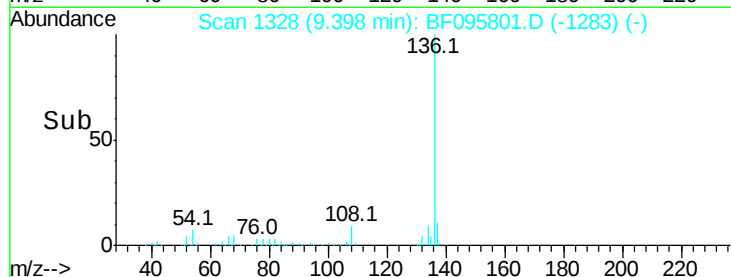


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.69 ng

RT: 8.28 min Scan# 1138

Delta R.T. -0.04 min

Lab File: BF095801.D

Acq: 9 Jun 2017 00:46

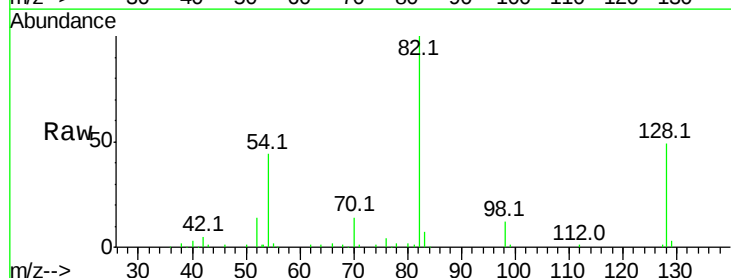
Tgt Ion: 82 Resp: 176610

Ion Ratio Lower Upper

82 100

128 48.7 34.0 51.0

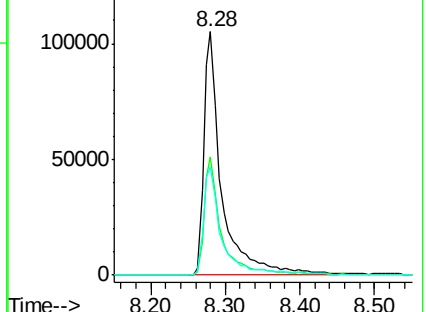
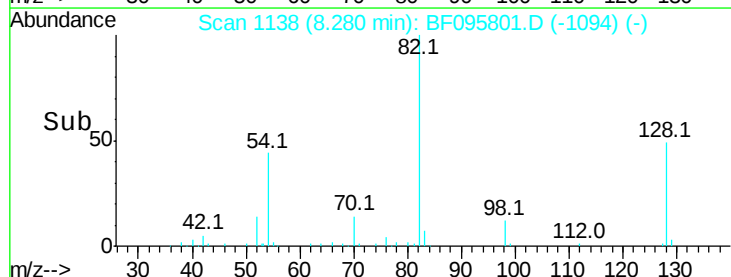
54 44.5 42.2 63.2



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: BF095801.D

Acq: 9 Jun 2017 00:46

Instrument :

BNA_F

ClientSampleId :

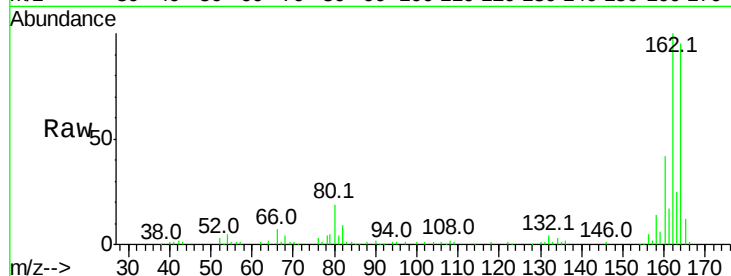
Tot Ion:164 Resp: 133135

Ion Ratio Lower Upper

164 100

162 105.4 82.6 123.8

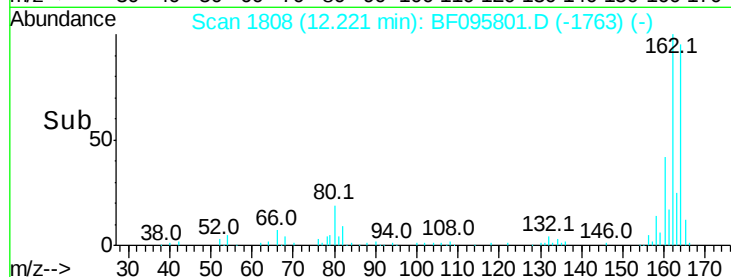
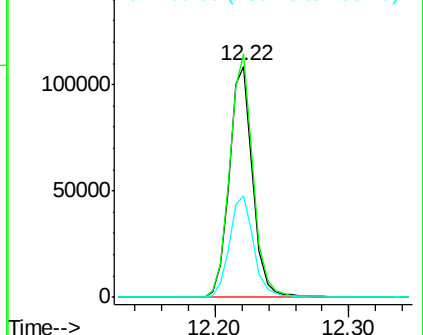
160 43.8 36.2 54.2



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: 45.38 ng

RT: 13.52 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF095801.D

Acq: 9 Jun 2017 00:46

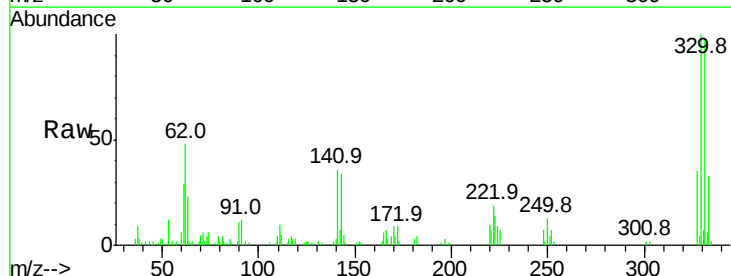
Tgt Ion:330 Resp: 53460

Ion Ratio Lower Upper

330 100

332 98.7 76.6 115.0

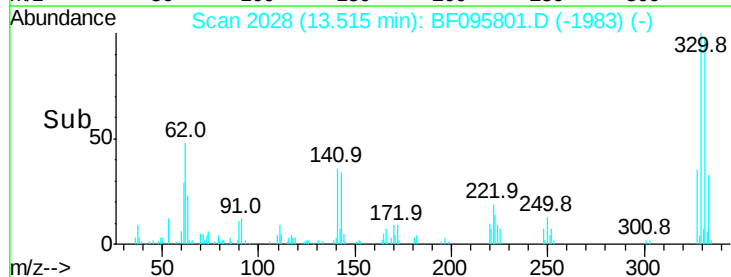
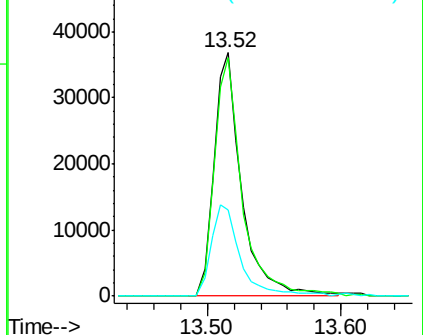
141 39.7 31.4 47.2



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

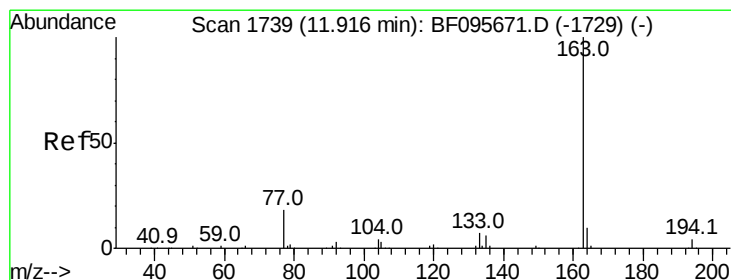
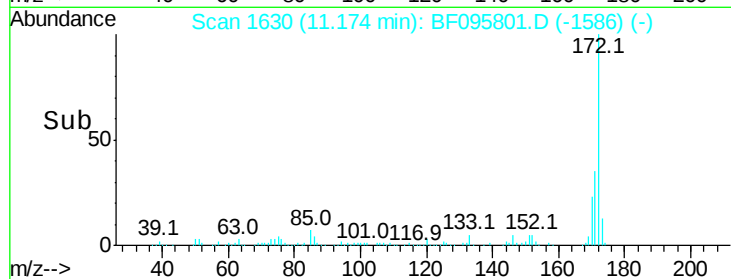
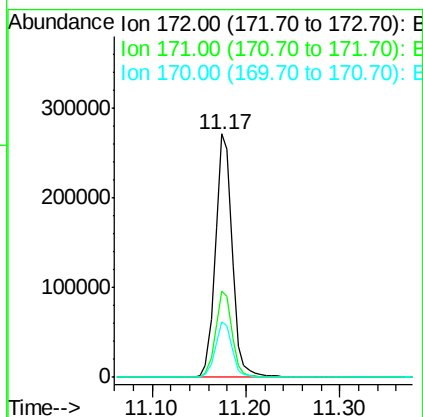
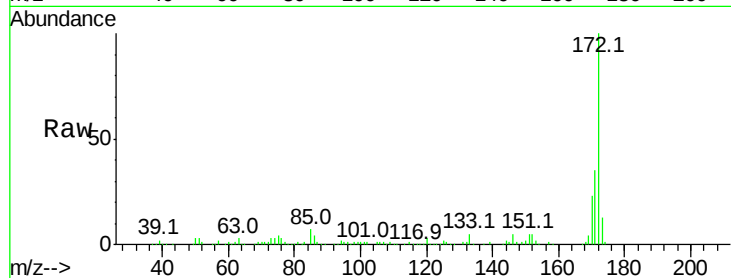




#44
2-Fluorobiphenyl
Concen: 35.76 ng
RT: 11.17 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

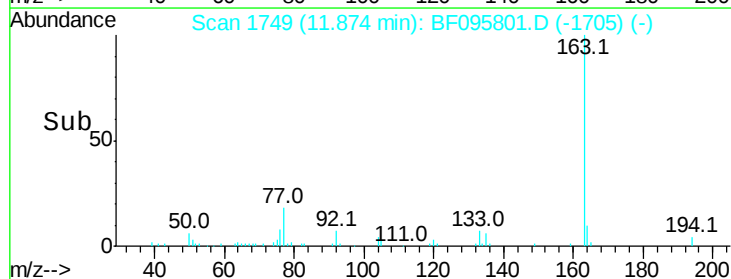
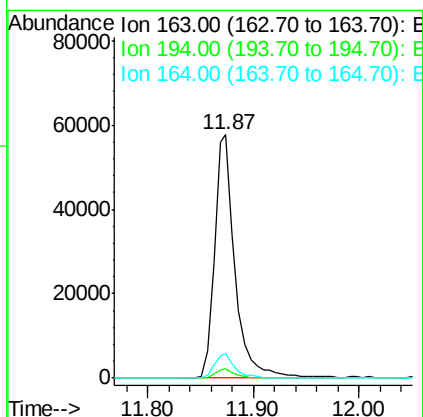
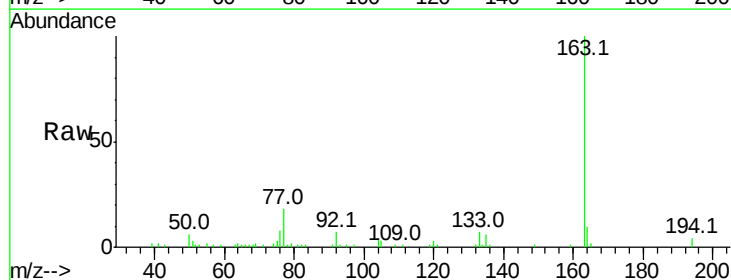
Instrument :
BNA_F
ClientSampleId :

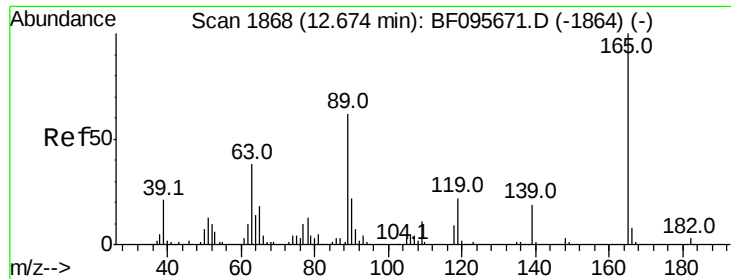
Tot Ion:172 Resp: 342121
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 23.0 19.8 29.8



#49
Dimethylphthalate
Concen: 7.77 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

Tgt Ion:163 Resp: 78495
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 10.1 8.4 12.6

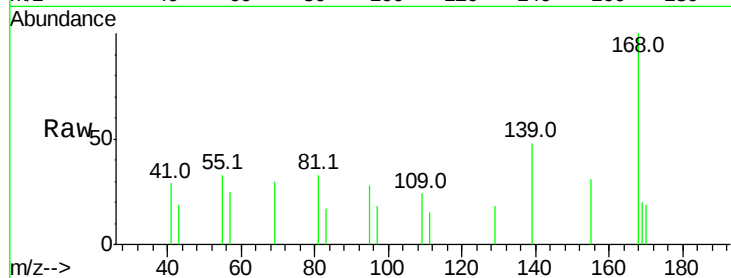




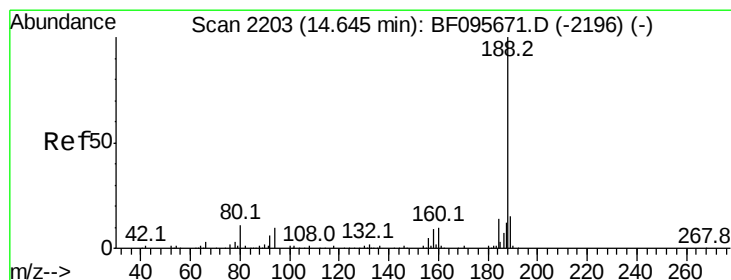
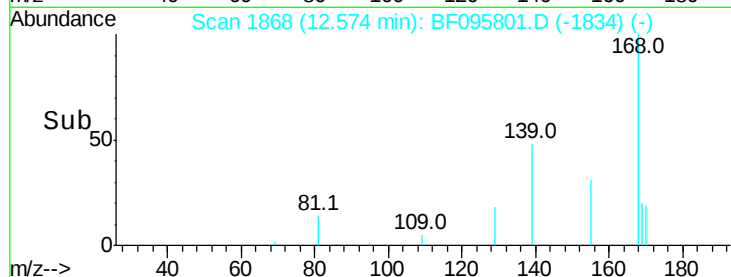
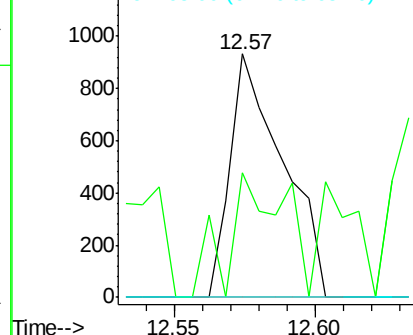
#55
4-Nitrophenol
Concen: 5.39 ng
RT: 12.57 min Scan# 1868
Delta R.T. -0.10 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 1209
Ion Ratio Lower Upper
139 100
109 50.9 34.1 74.1
65 0.0 31.4 71.4#

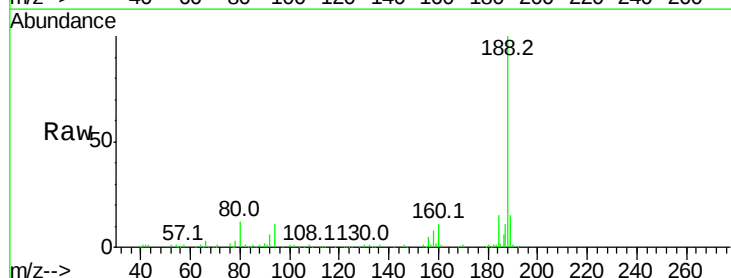


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

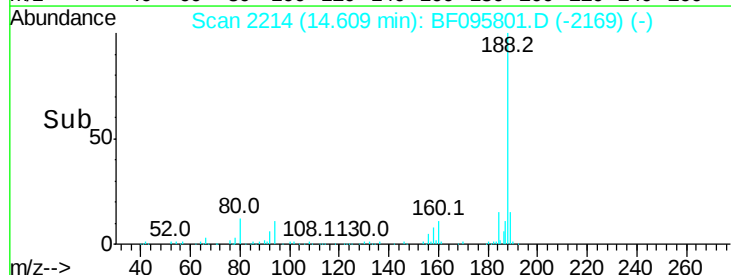
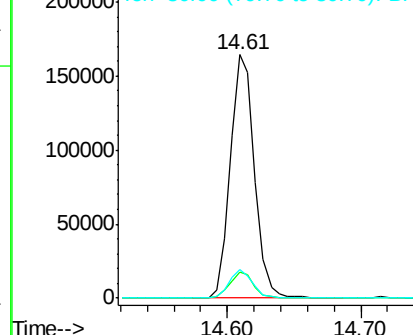


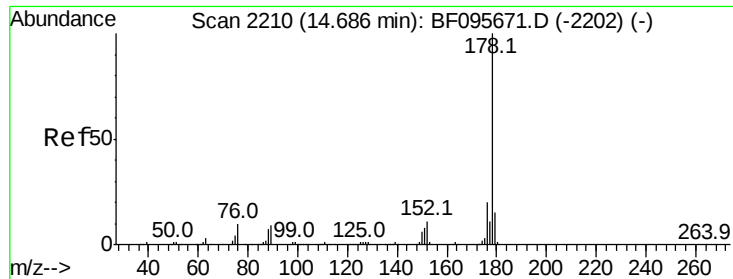
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.61 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

Tgt Ion:188 Resp: 209207
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.8 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

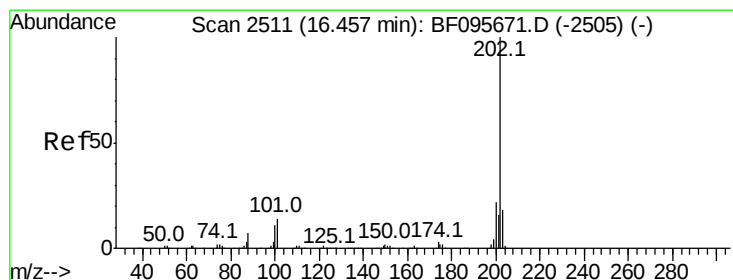
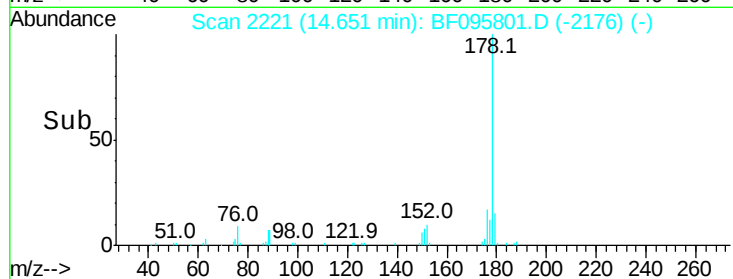
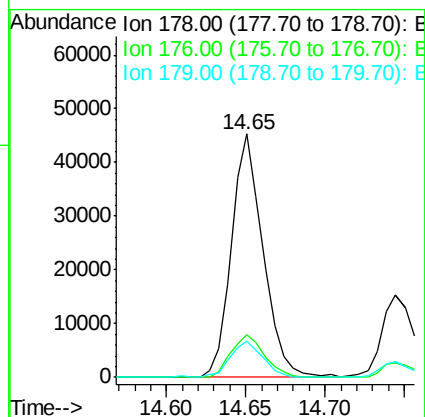
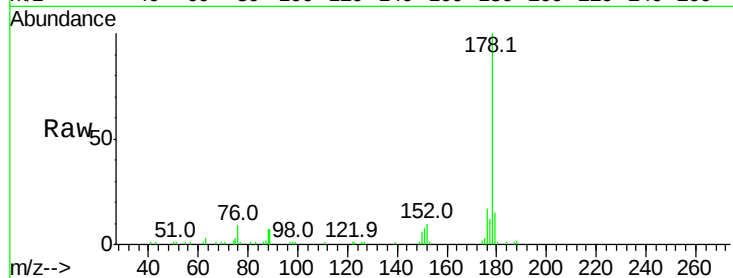




#70
Phenanthrene
Concen: 5.19 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

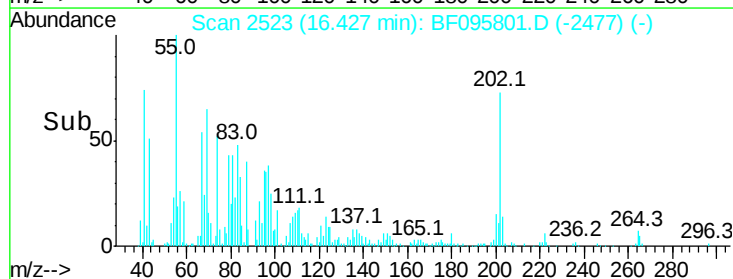
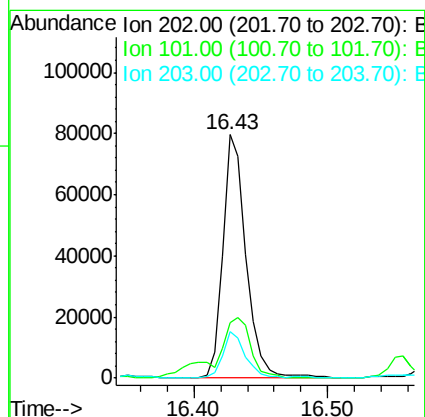
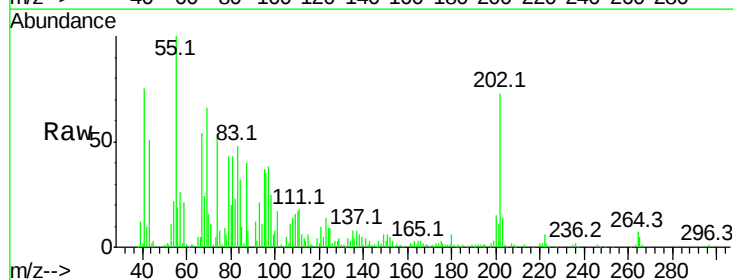
Instrument :
BNA_F
ClientSampleId :

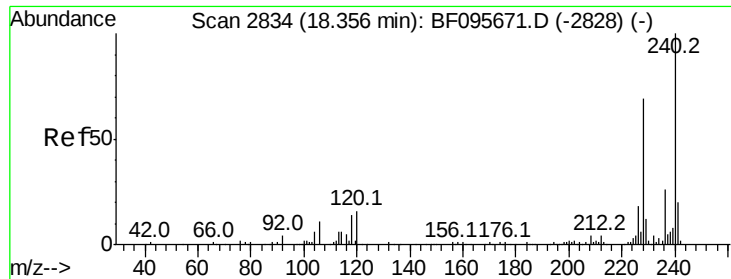
Tot Ion:178 Resp: 62615
Ion Ratio Lower Upper
178 100
176 17.3 16.2 24.4
179 15.0 12.6 19.0



#74
Fluoranthene
Concen: 8.15 ng
RT: 16.43 min Scan# 2523
Delta R.T. -0.03 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

Tgt Ion:202 Resp: 97394
Ion Ratio Lower Upper
202 100
101 22.9 0.0 33.2
203 19.0 0.0 38.1

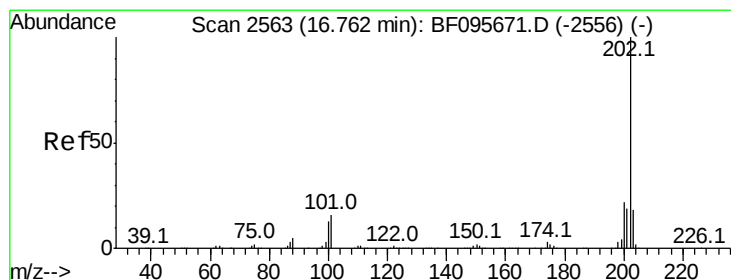
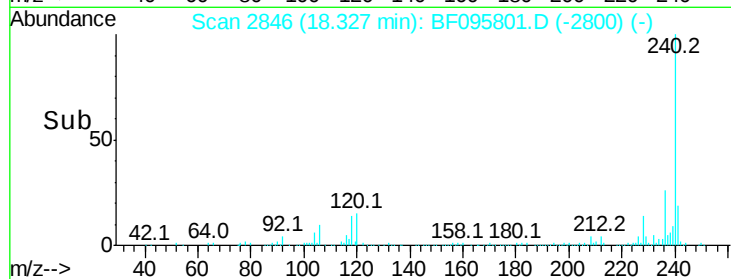
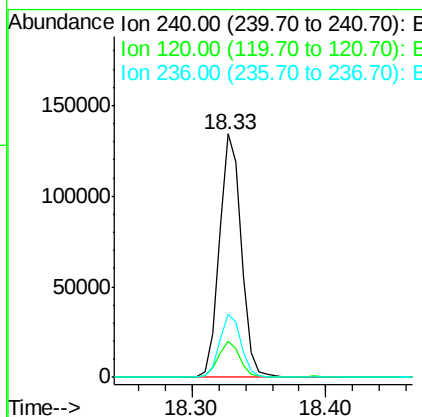
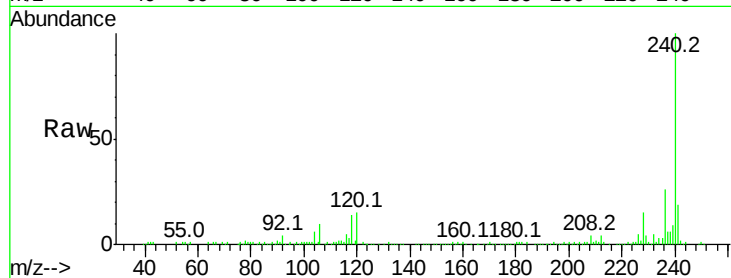




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.33 min Scan# 2846
Delta R.T. -0.03 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

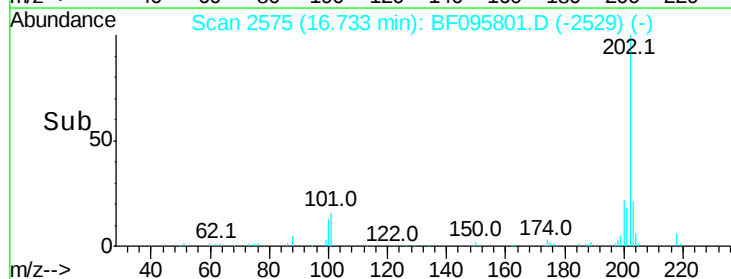
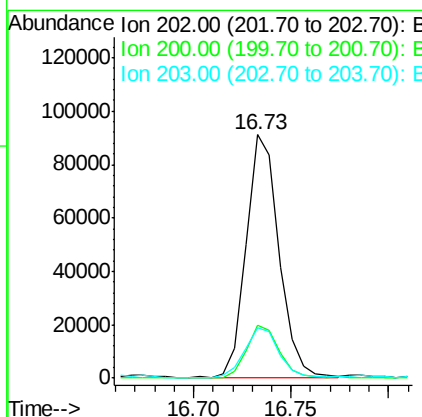
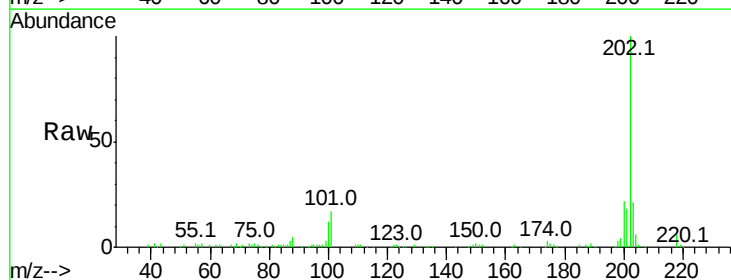
Instrument :
BNA_F
ClientSampleId :

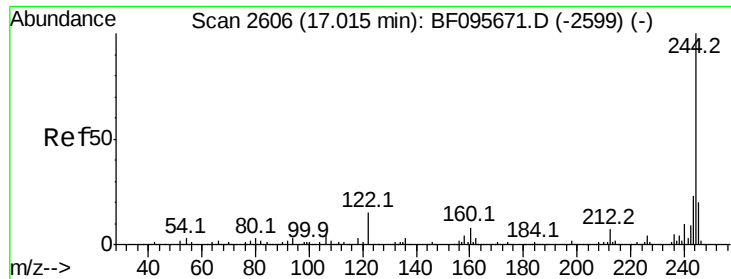
Tot Ion:240 Resp: 155768
Ion Ratio Lower Upper
240 100
120 14.9 5.8 8.8#
236 25.8 20.5 30.7



#77
Pyrene
Concen: 9.19 ng
RT: 16.73 min Scan# 2575
Delta R.T. -0.03 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

Tgt Ion:202 Resp: 106847
Ion Ratio Lower Upper
202 100
200 22.0 17.6 26.4
203 20.6 14.4 21.6





#78

Terphenyl-d14

Concen: 33.99 ng

RT: 16.99 min Scan# 2618

Delta R.T. -0.03 min

Lab File: BF095801.D

Acq: 9 Jun 2017 00:46

Instrument :

BNA_F

ClientSampleId :

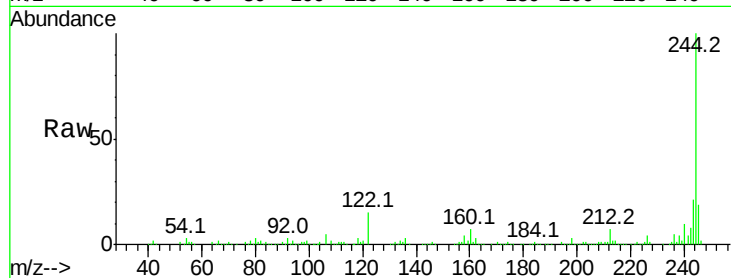
Tot Ion:244 Resp: 213372

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

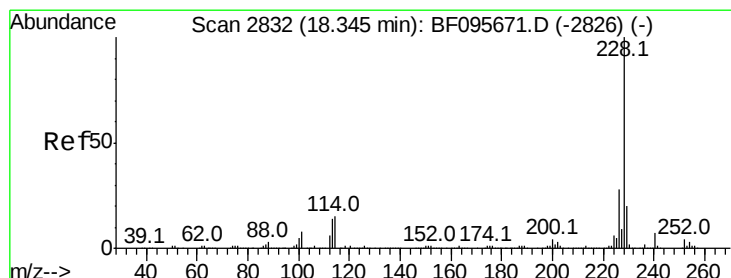
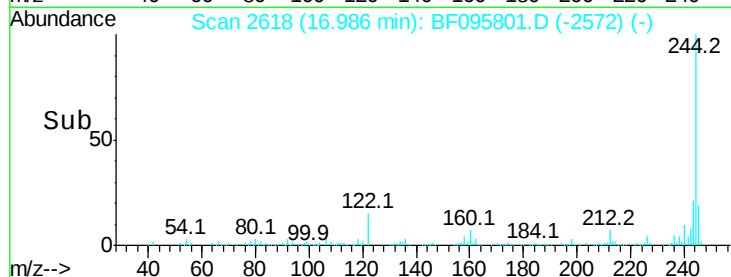
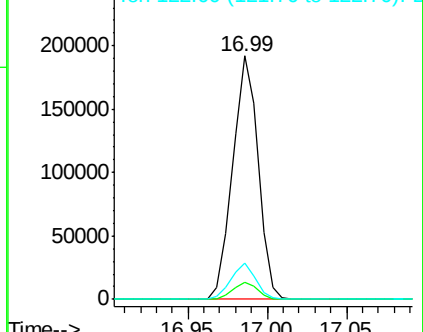
122 14.9 10.3 15.5



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: 6.00 ng

RT: 18.32 min Scan# 2844

Delta R.T. -0.03 min

Lab File: BF095801.D

Acq: 9 Jun 2017 00:46

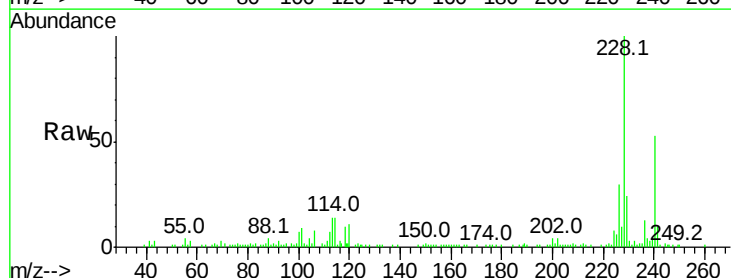
Tgt Ion:228 Resp: 54301

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

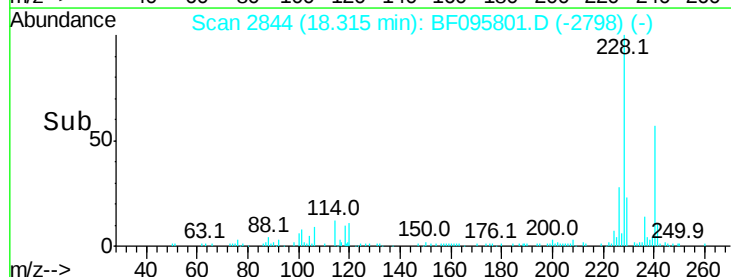
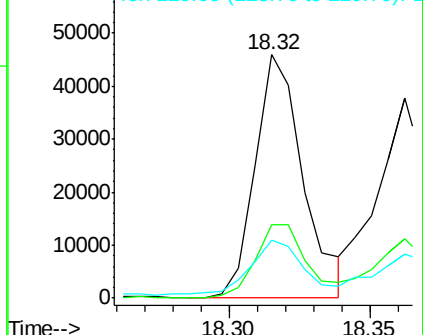
229 24.0 16.3 24.5

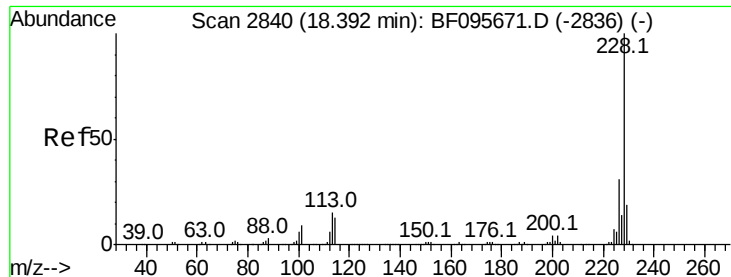


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.48 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095801.D

Acq: 9 Jun 2017 00:46

Instrument :

BNA_F

ClientSampleId :

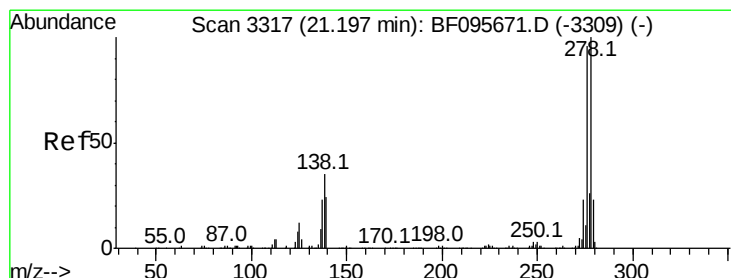
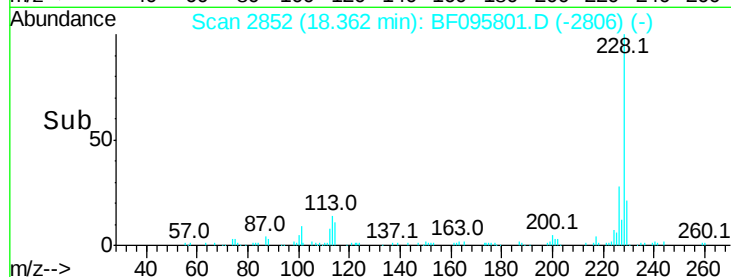
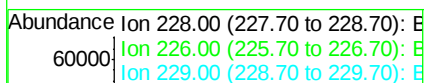
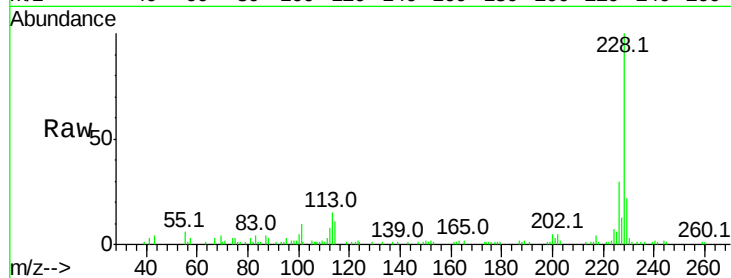
Tot Ion:228 Resp: 49570

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

229 22.0 15.8 23.6



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.65 ng

RT: 21.18 min Scan# 3331

Delta R.T. -0.02 min

Lab File: BF095801.D

Acq: 9 Jun 2017 00:46

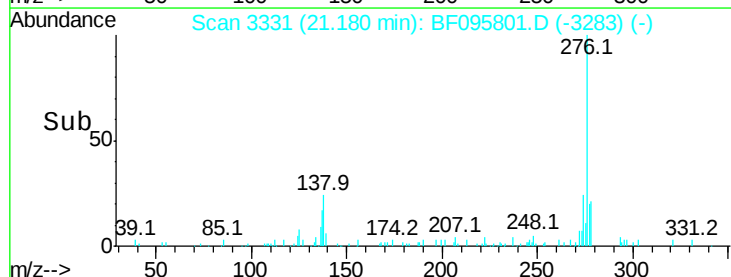
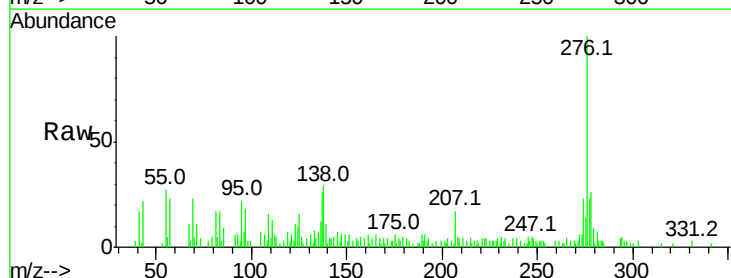
Tgt Ion:276 Resp: 20552

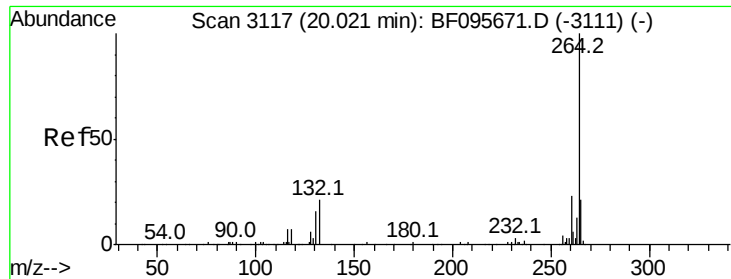
Ion Ratio Lower Upper

276 100

138 30.7 27.8 41.6

277 24.7 20.2 30.4

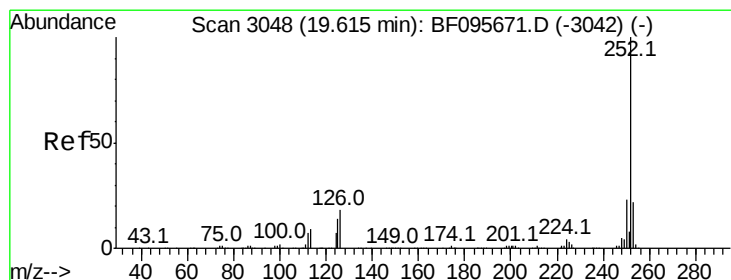
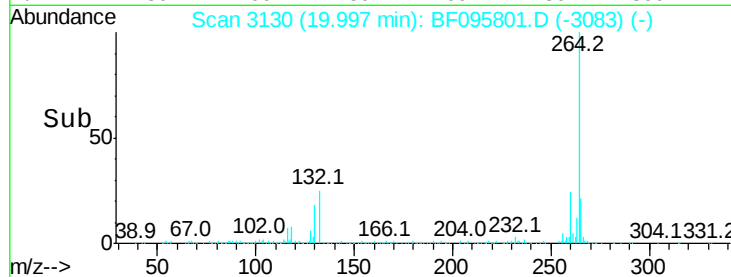
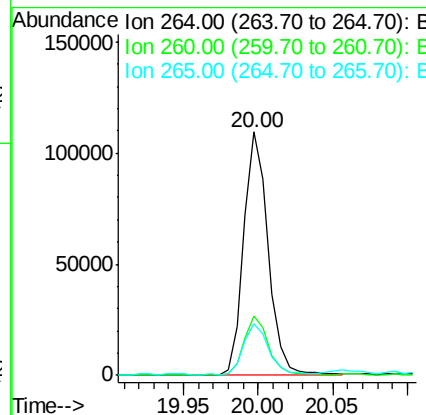
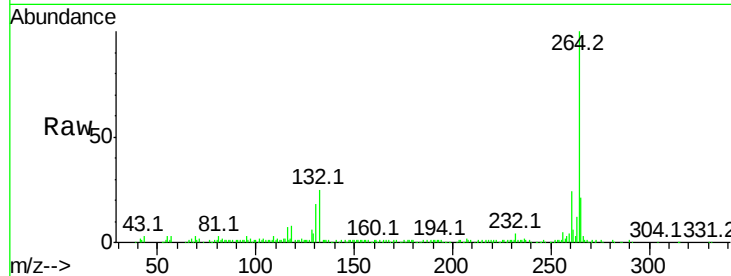




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

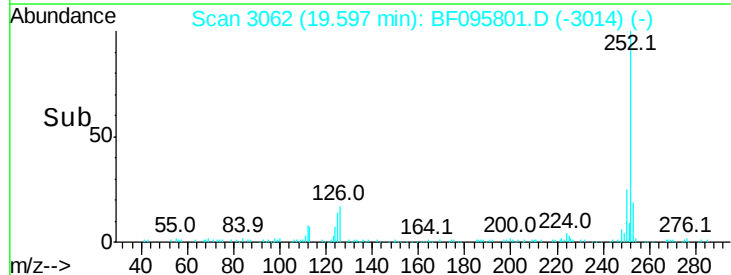
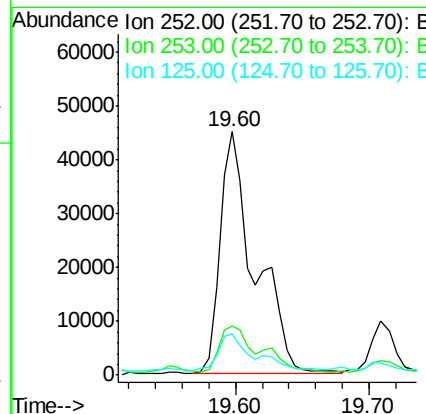
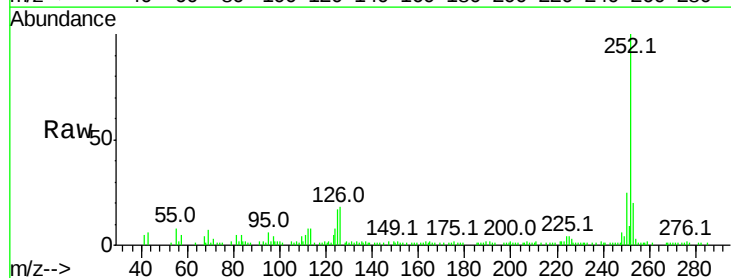
Instrument :
BNA_F
ClientSampled :

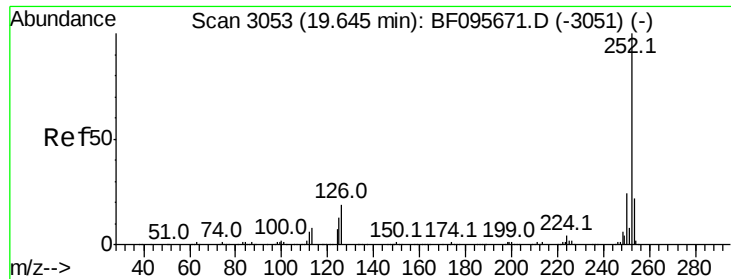
Tot Ion:264 Resp: 125627
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 10.38 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

Tgt Ion:252 Resp: 81646
Ion Ratio Lower Upper
252 100
253 20.1 18.1 27.1
125 16.8 9.8 14.8#

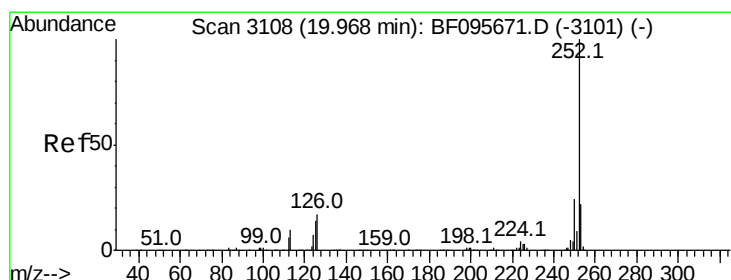
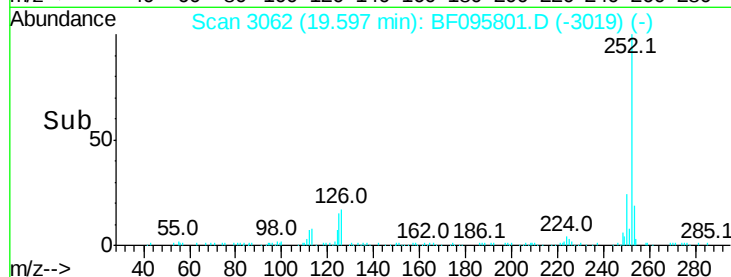
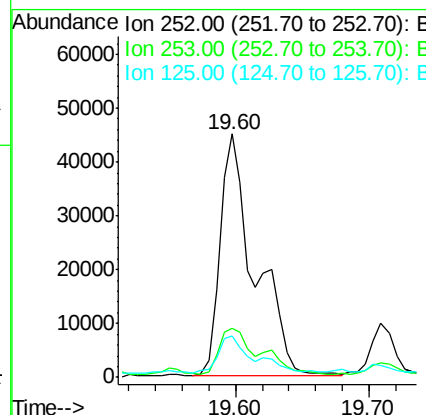
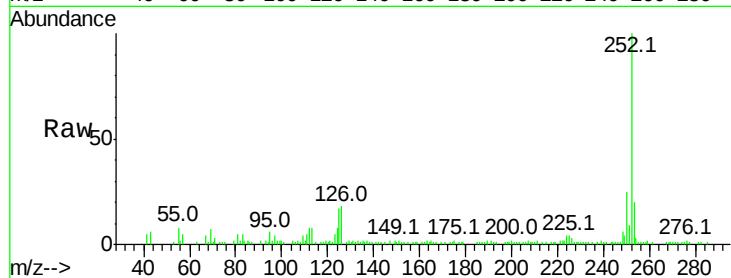




#88
Benzo(k)fluoranthene
Concen: 10.86 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.05 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

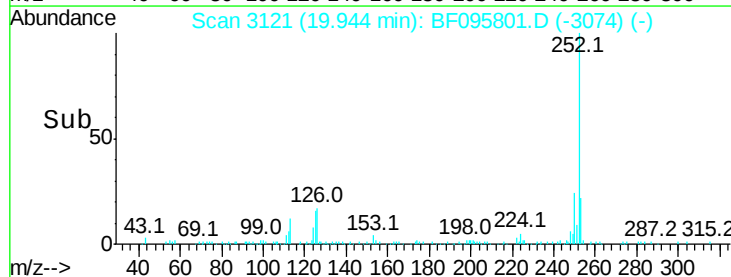
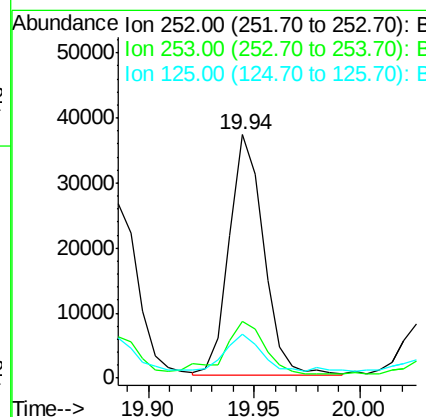
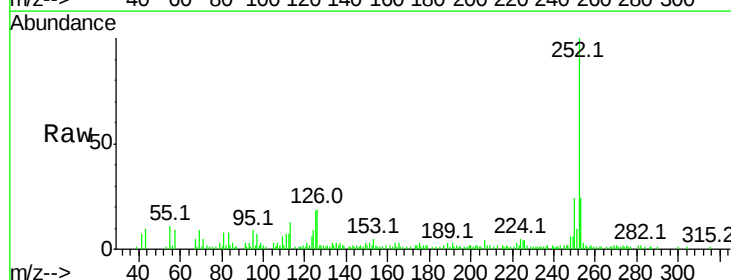
Instrument :
BNA_F
ClientSampleId :

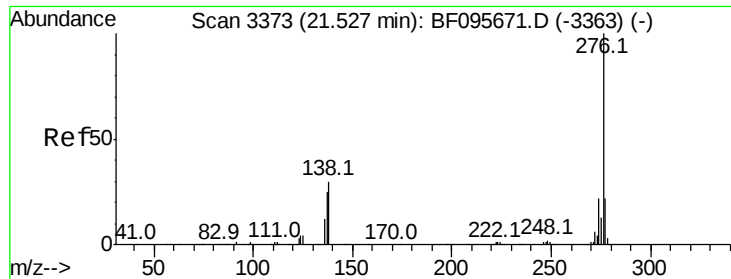
Tot Ion:252 Resp: 81646
Ion Ratio Lower Upper
252 100
253 20.1 18.4 27.6
125 16.8 13.1 19.7



#89
Benzo(a)pyrene
Concen: 5.77 ng
RT: 19.94 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095801.D
Acq: 9 Jun 2017 00:46

Tgt Ion:252 Resp: 41724
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 17.8 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.58 ng

RT: 21.51 min Scan# 3388

Delta R.T. -0.01 min

Lab File: BF095801.D

Acq: 9 Jun 2017 00:46

Instrument :

BNA_F

ClientSampleId :

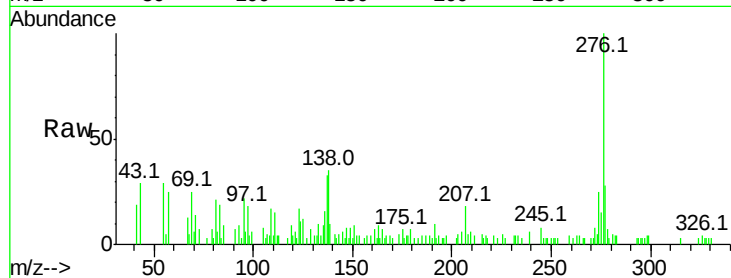
Tot Ion: 276 Resp: 22369

Ion Ratio Lower Upper

276 100

277 27.7 18.6 28.0

138 45.2 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

