

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
 Data File : BF095320.D
 Acq On : 22 May 2017 18:26
 Operator : SJ/MA
 Sample : I3227-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 23 01:17:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	88076	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	370506	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	176363	20.00	ng	-0.01
63) Phenanthrene-d10	15.02	188	255380	20.00	ng	0.00
75) Chrysene-d12	18.69	240	170756	20.00	ng	0.00
86) Perylene-d12	20.37	264	183668	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	795580	150.60	ng	-0.02
7) Phenol-d6	7.30	99	983147	155.11	ng	-0.01
23) Nitrobenzene-d5	8.66	82	573347	97.58	ng	-0.01
41) 2,4,6-Tribromophenol	13.91	330	191326	132.46	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	1030855	84.13	ng	-0.01
78) Terphenyl-d14	17.34	244	523351	67.51	ng	0.00

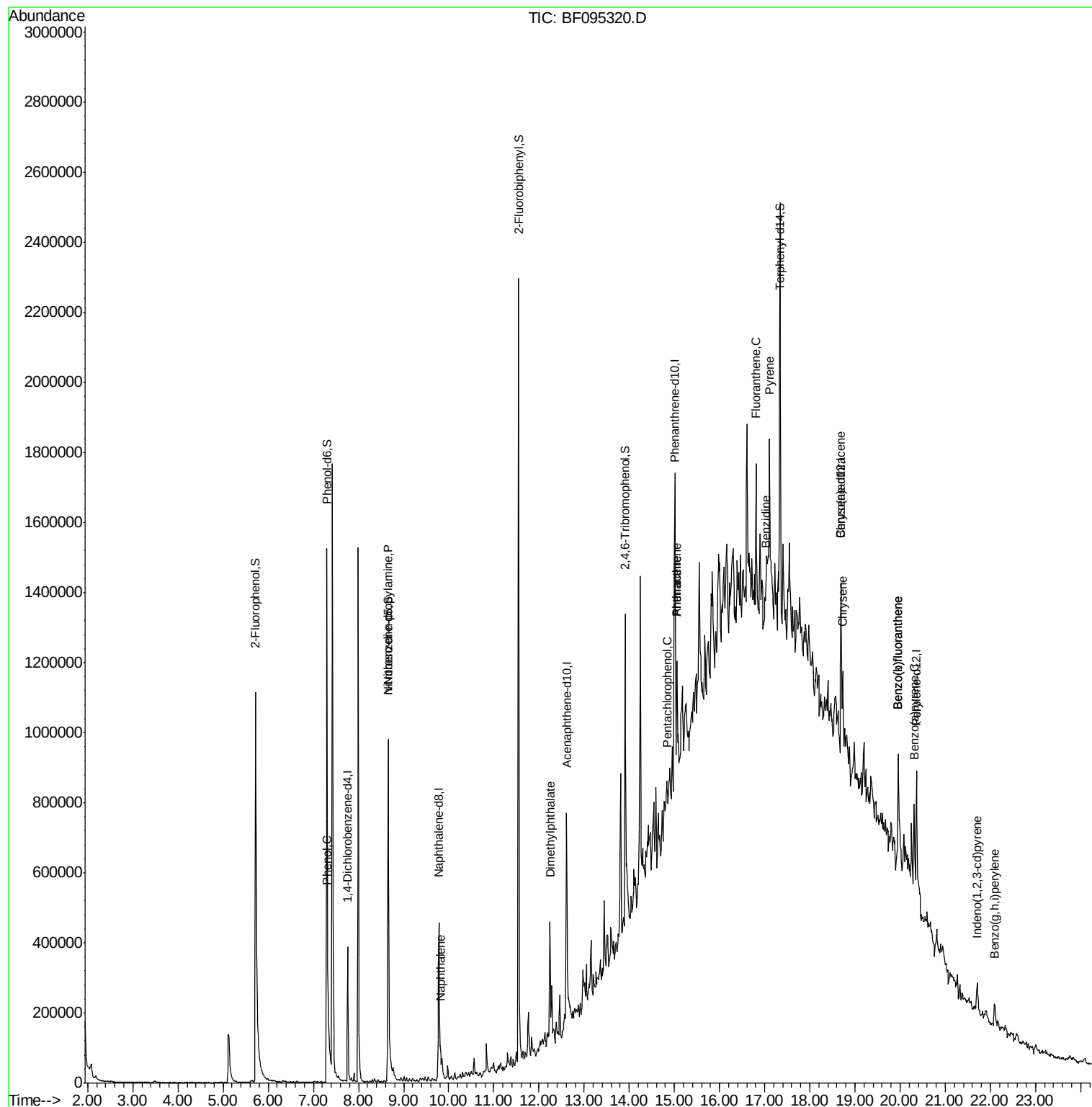
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.32	94	19448	2.91	ng	# 38
19) n-Nitroso-di-n-propylamine	8.66	70	69900	16.31	ng	# 74
31) Naphthalene	9.82	128	51712	2.78	ng	97
49) Dimethylphthalate	12.24	163	209592	14.48	ng	100
69) Pentachlorophenol	14.85	266	118	5.95	ng	# 18
70) Phenanthrene	15.05	178	198056	13.50	ng	97
71) Anthracene	15.05	178	198056	13.21	ng	98
74) Fluoranthene	16.81	202	265619	17.65	ng	100
76) Benzidine	17.02	184	1482	6.87	ng	# 1
77) Pyrene	17.11	202	258395	20.23	ng	# 95
80) Benzo(a)anthracene	18.68	228	110310	11.10	ng	# 95
82) Chrysene	18.72	228	116611	12.14	ng	# 95
85) Indeno(1,2,3-cd)pyrene	21.71	276	61089	7.83	ng	# 91
87) Benzo(b)fluoranthene	19.96	252	176500	15.55	ng	# 89
88) Benzo(k)fluoranthene	19.96	252	175581	16.04	ng	# 93
89) Benzo(a)pyrene	20.31	252	100490	9.60	ng	# 90
91) Benzo(a,h,i)perylene	22.09	276	59749	7.04	ng	97

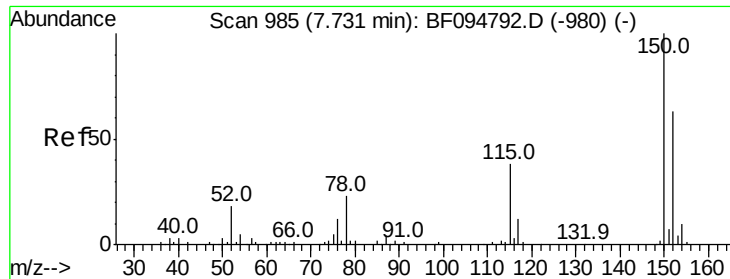
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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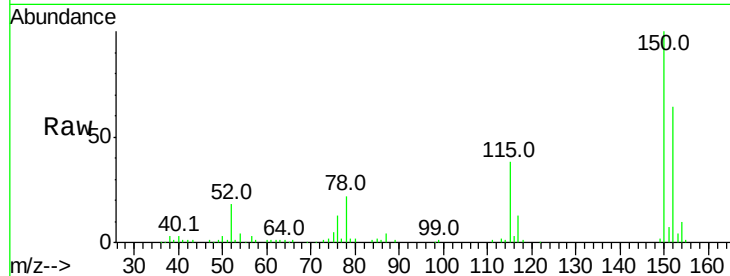


#1

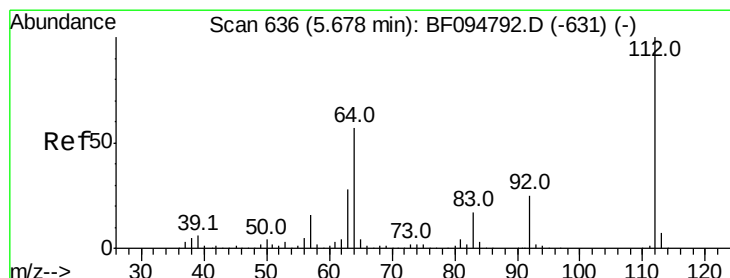
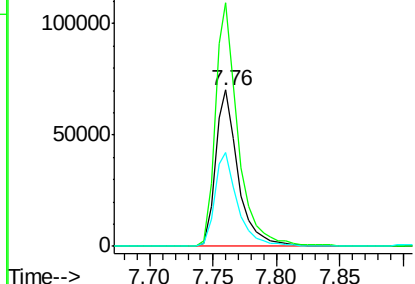
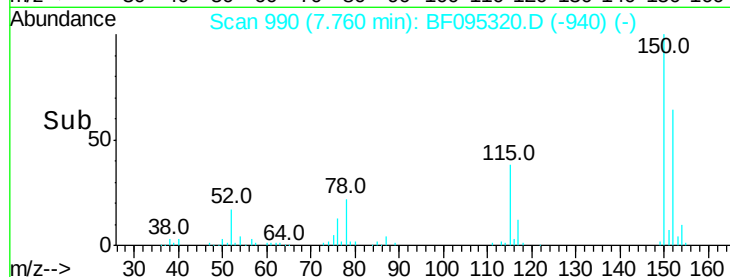
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 88076
Ion Ratio Lower Upper
152 100
150 156.1 126.2 189.2
115 59.9 52.2 78.2



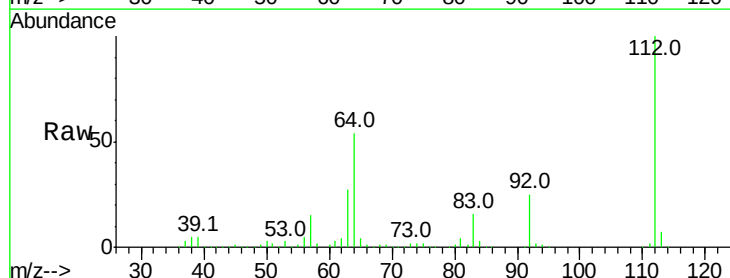
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



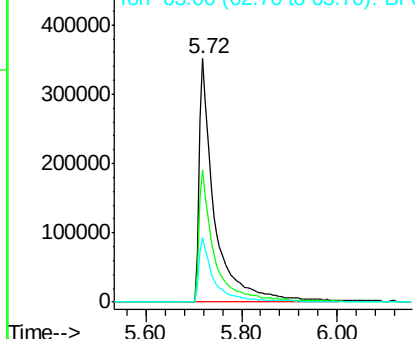
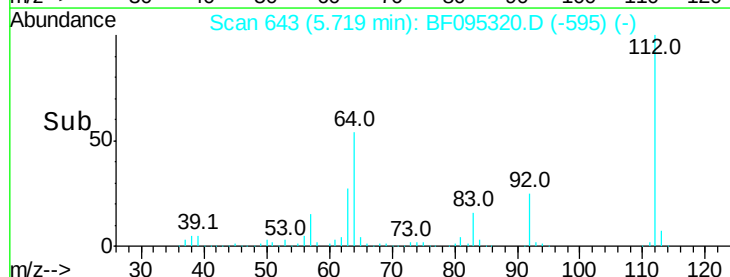
#5

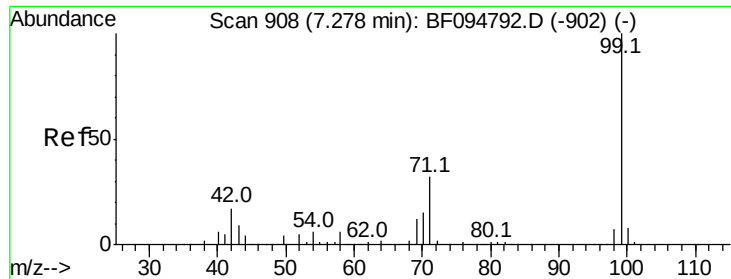
2-Fluorophenol
Concen: 150.60 ng
RT: 5.72 min Scan# 643
Delta R.T. -0.02 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:112 Resp: 795580
Ion Ratio Lower Upper
112 100
64 54.1 46.0 69.0
63 26.7 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: 155.11 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

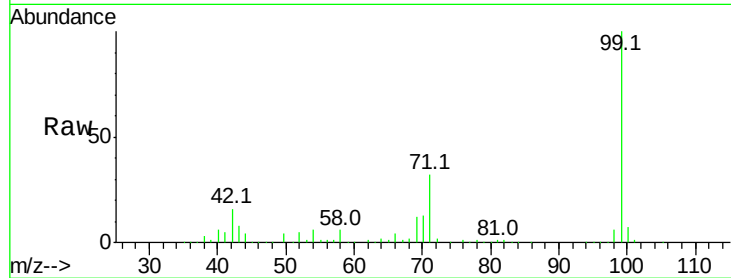
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 983147

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.5	20.3
71	32.0	24.5	36.7

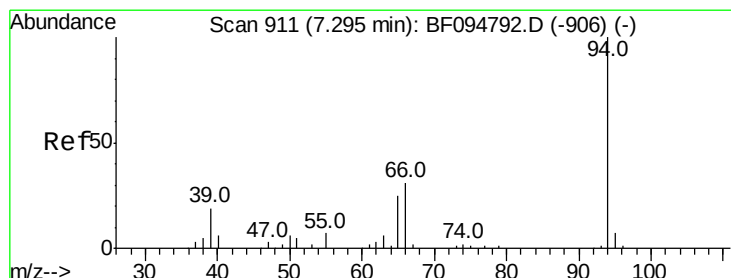
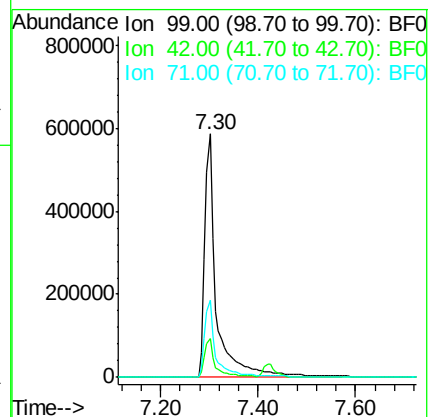
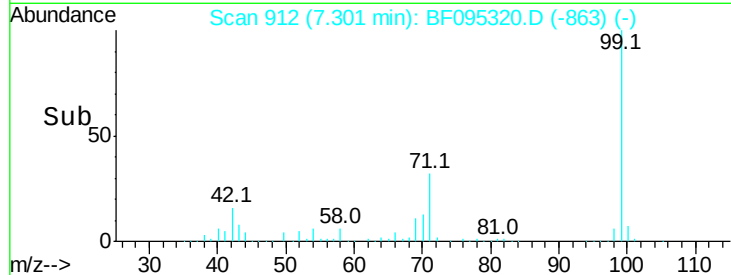


Abundance

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



#10

Phenol

Concen: 2.91 ng

RT: 7.32 min Scan# 915

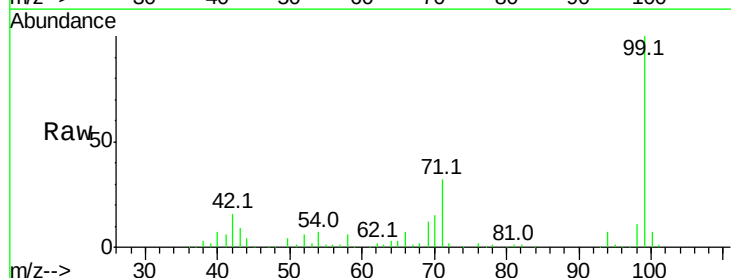
Delta R.T. -0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Tgt Ion: 94 Resp: 19448

Ion	Ratio	Lower	Upper
94	100		
65	39.7	9.9	49.9
66	102.7	23.1	63.1#

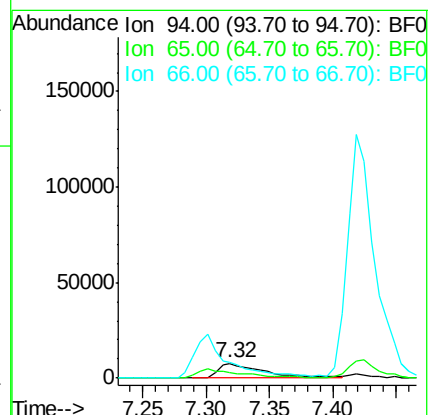
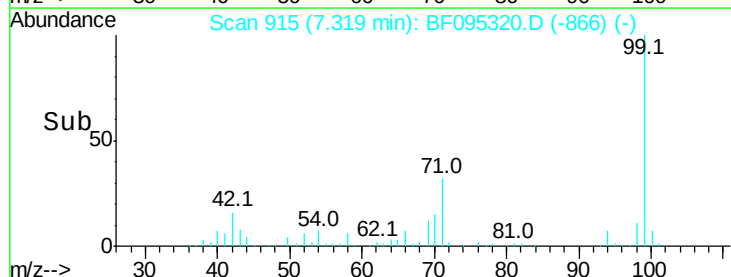


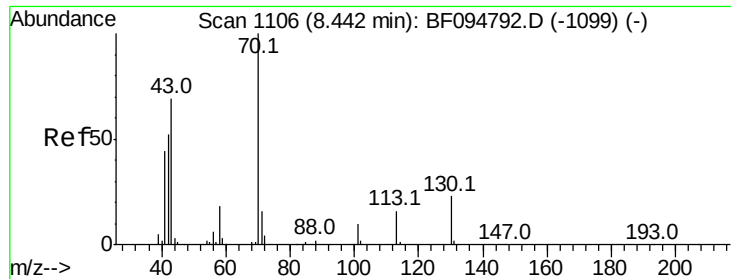
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

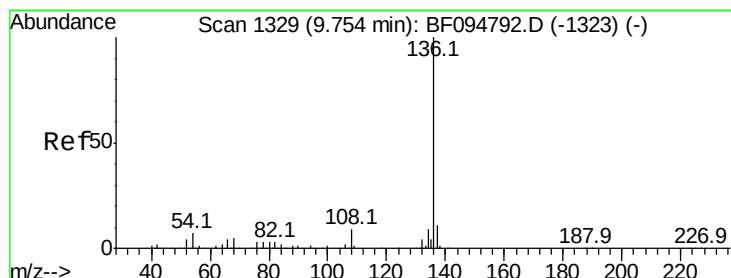
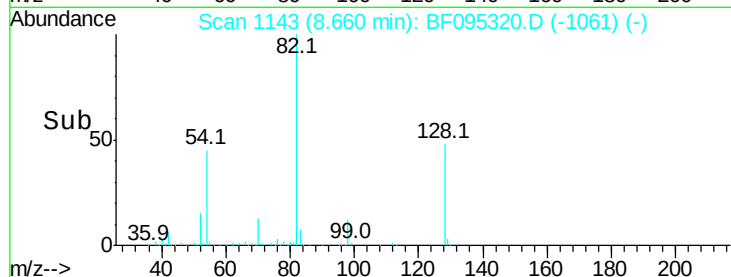
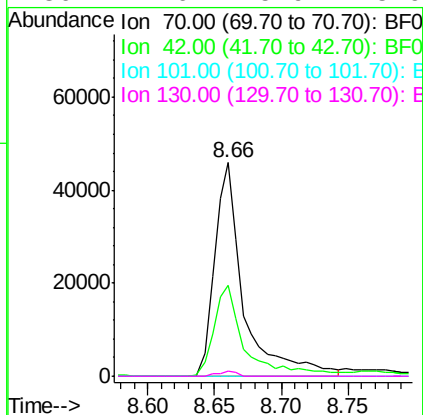
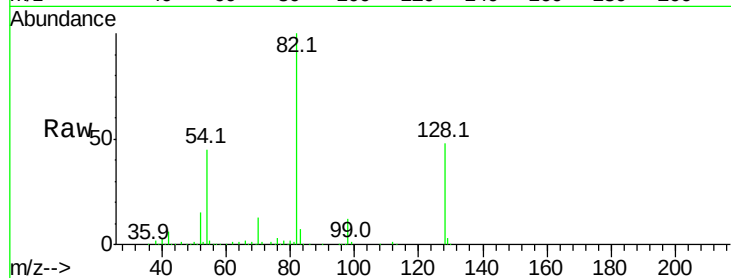




#19
n-Nitroso-di-n-propylamine
Concen: 16.31 ng
RT: 8.66 min Scan# 1143
Delta R.T. 0.18 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

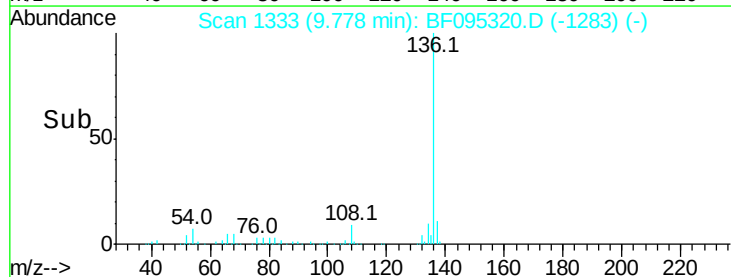
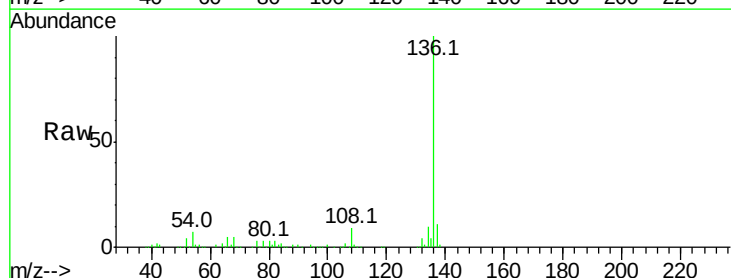
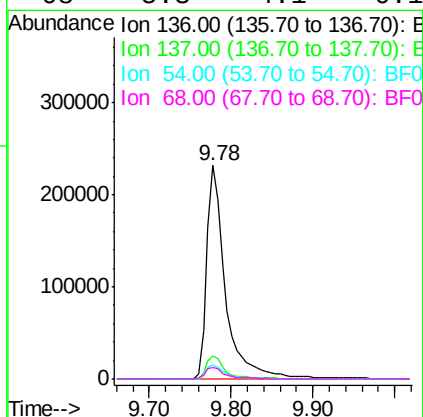
Instrument :
BNA_F
ClientSampleId :

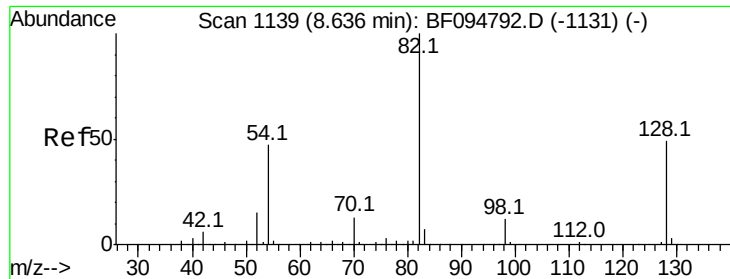
Tot Ion: 70 Resp: 69900
Ion Ratio Lower Upper
70 100
42 42.8 47.2 70.8#
101 0.0 7.2 10.8#
130 2.6 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.78 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion: 136 Resp: 370506
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 6.8 4.9 7.3
68 5.3 4.1 6.1

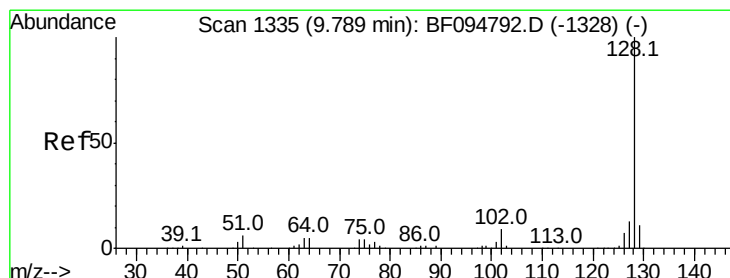
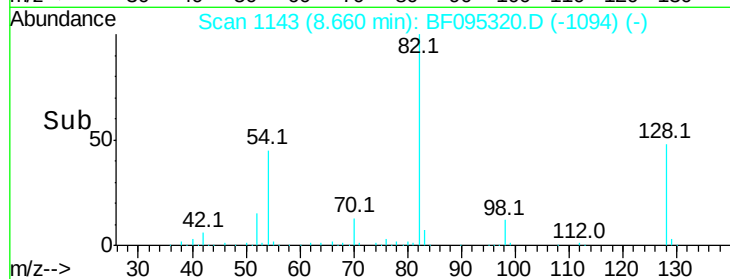
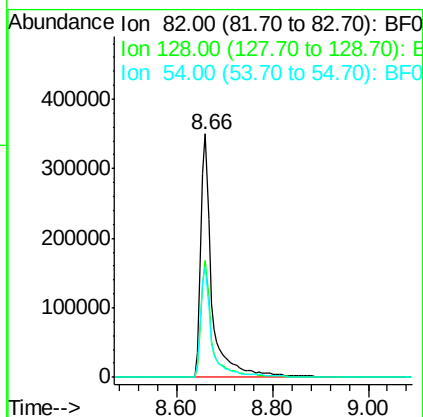
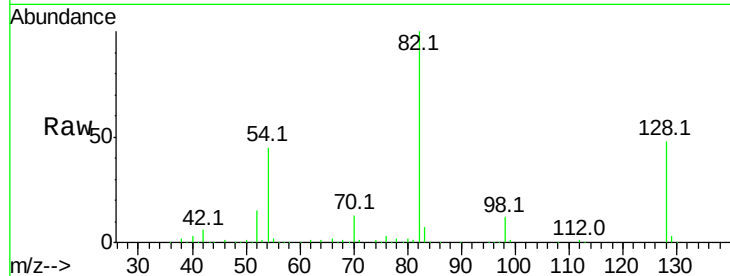




#23
 Nitrobenzene-d5
 Concen: 97.58 ng
 RT: 8.66 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF095320.D
 Acq: 22 May 2017 18:26

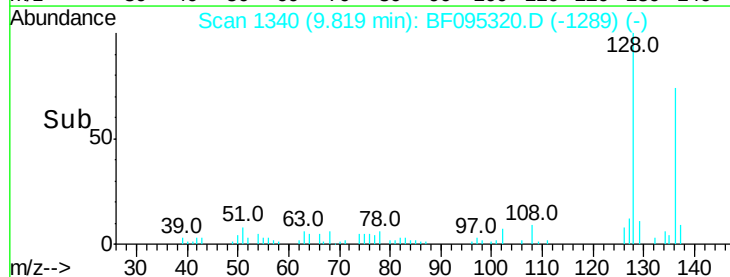
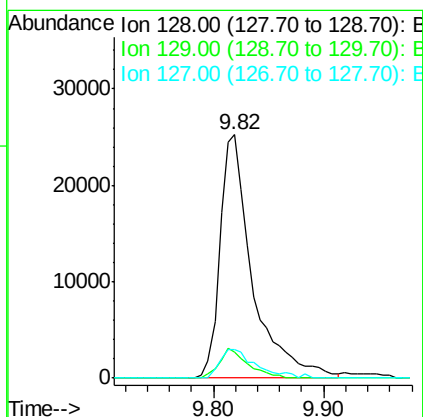
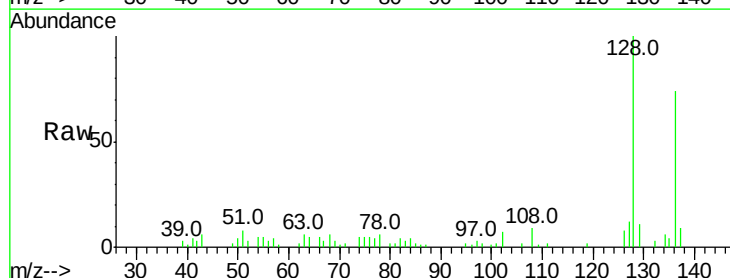
Instrument :
 BNA_F
 ClientSampleId :

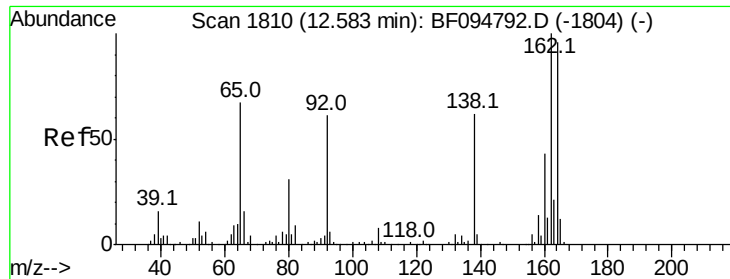
Tot Ion: 82 Resp: 573347
 Ion Ratio Lower Upper
 82 100
 128 47.8 34.0 51.0
 54 45.2 42.2 63.2



#31
 Naphthalene
 Concen: 2.78 ng
 RT: 9.82 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: BF095320.D
 Acq: 22 May 2017 18:26

Tgt Ion:128 Resp: 51712
 Ion Ratio Lower Upper
 128 100
 129 10.9 9.0 13.6
 127 11.8 10.8 16.2

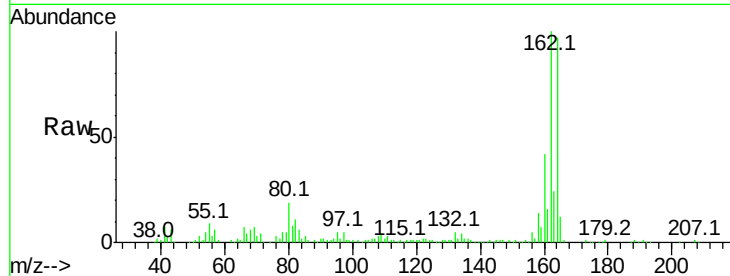




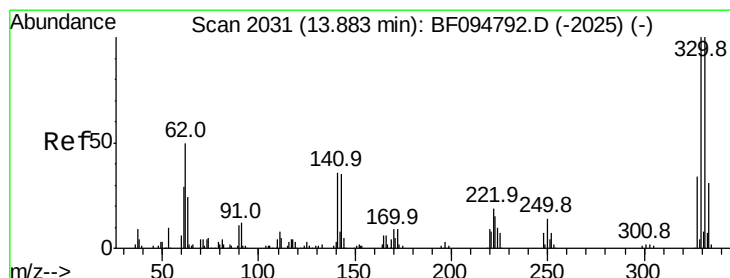
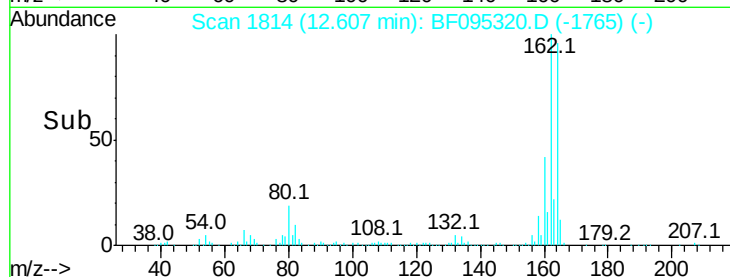
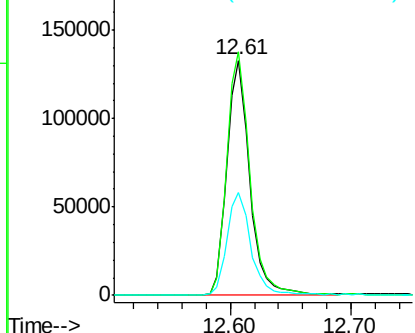
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 176363
Ion Ratio Lower Upper
164 100
162 103.5 82.6 123.8
160 43.9 36.2 54.2

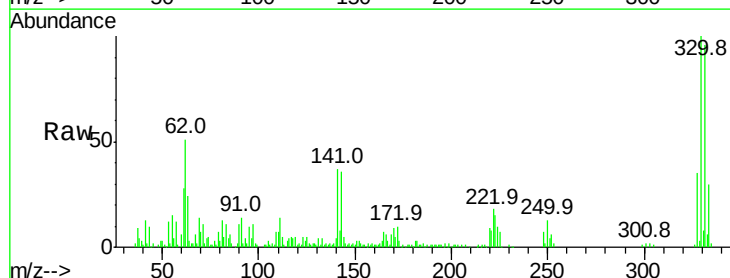


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

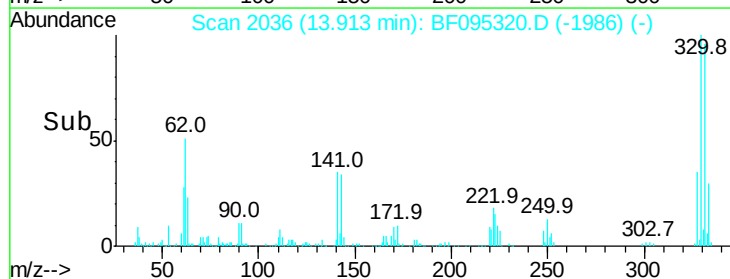
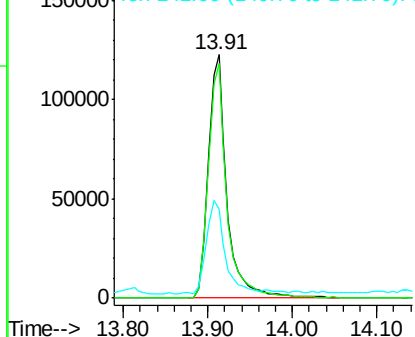


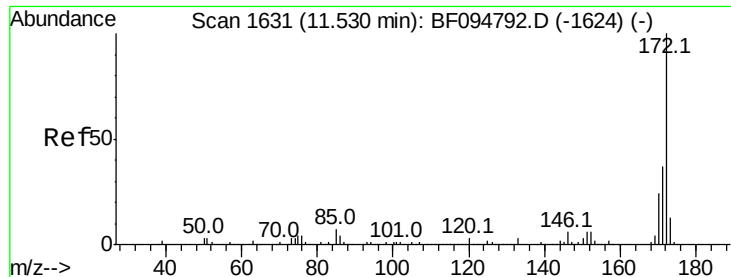
#41
2,4,6-Tribromophenol
Concen: 132.46 ng
RT: 13.91 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:330 Resp: 191326
Ion Ratio Lower Upper
330 100
332 95.9 76.6 115.0
141 40.0 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

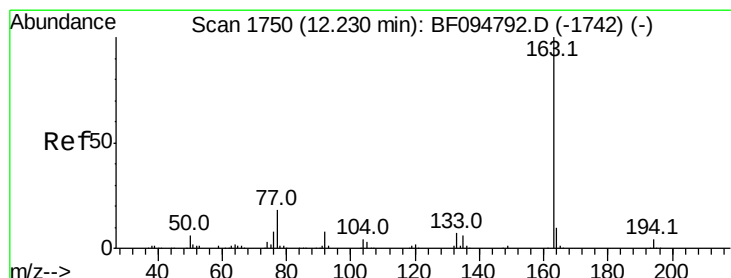
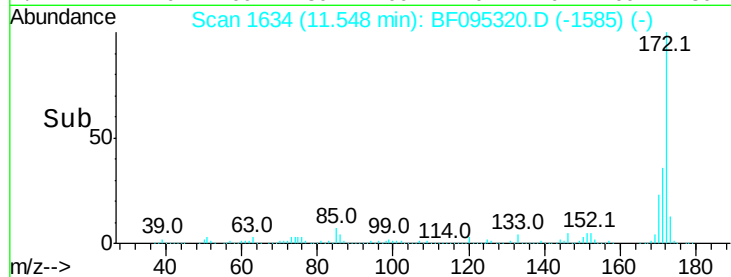
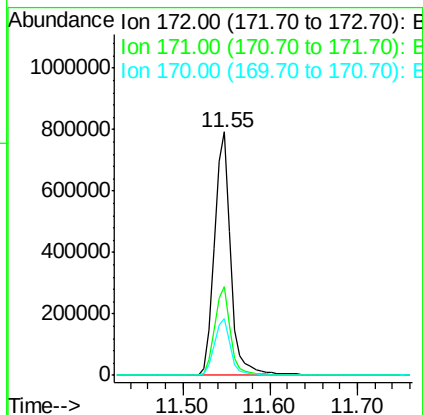
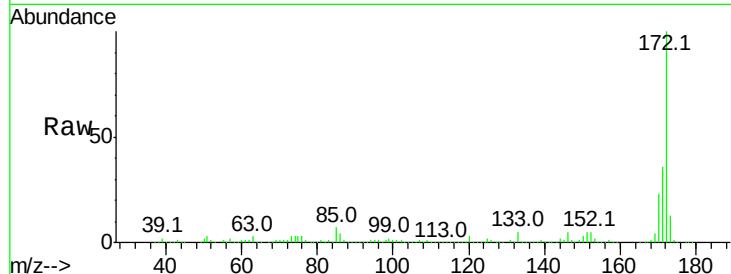




#44
2-Fluorobiphenyl
Concen: 84.13 ng
RT: 11.55 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

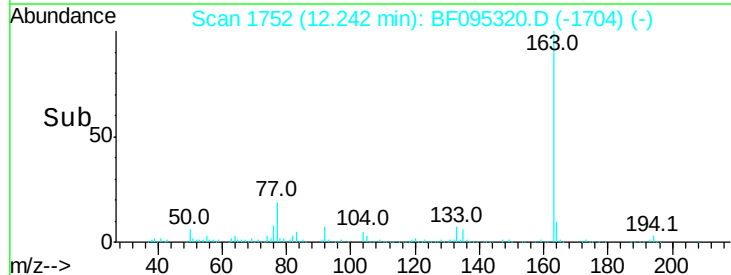
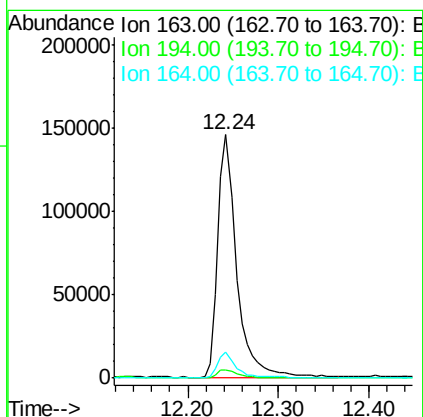
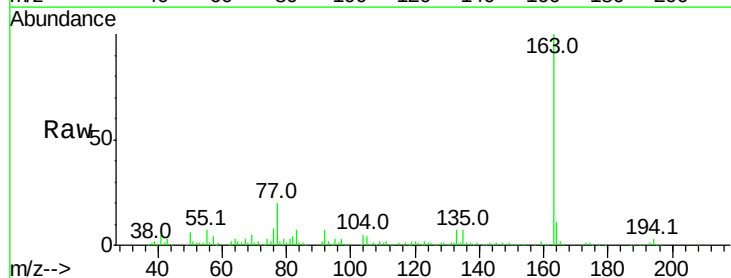
Instrument :
BNA_F
ClientSampleId :

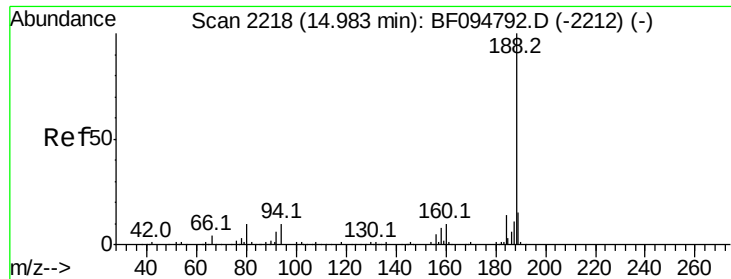
Tot Ion:172 Resp: 1030855
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.3 19.8 29.8



#49
Dimethylphthalate
Concen: 14.48 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:163 Resp: 209592
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.6 8.4 12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.02 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampled :

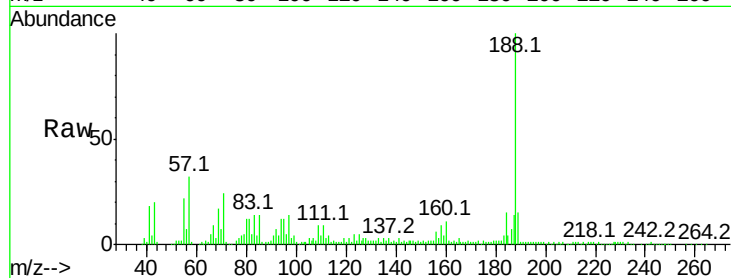
Tot Ion:188 Resp: 255380

Ion Ratio Lower Upper

188 100

94 12.0 9.4 14.2

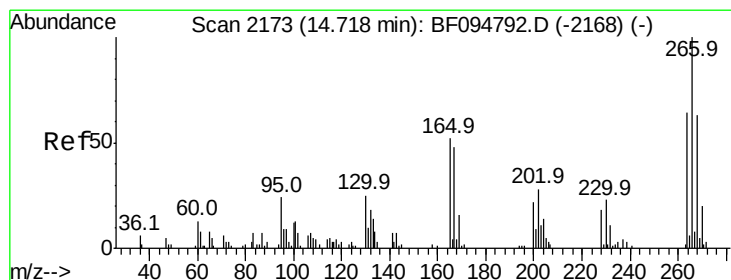
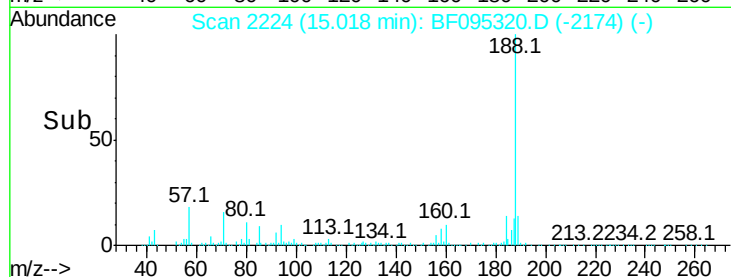
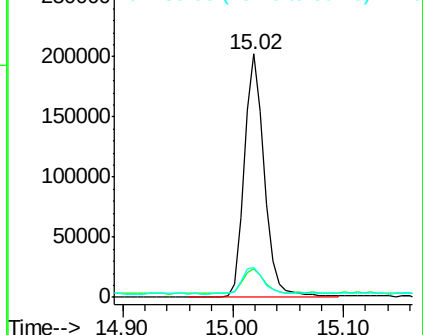
80 12.1 10.2 15.2



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



#69

Pentachlorophenol

Concen: 5.95 ng

RT: 14.85 min Scan# 2195

Delta R.T. 0.08 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

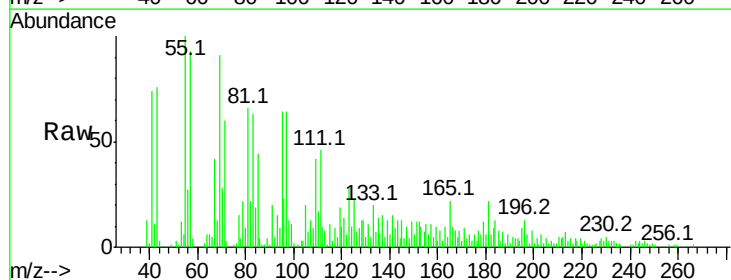
Tgt Ion:266 Resp: 118

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

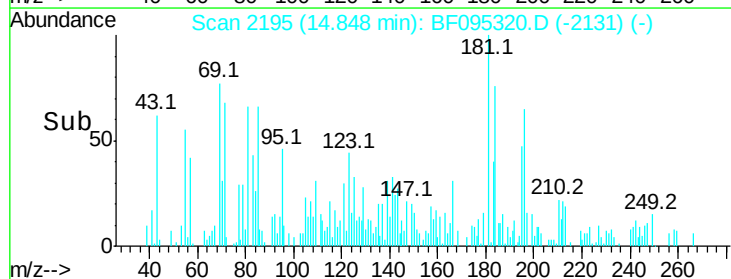
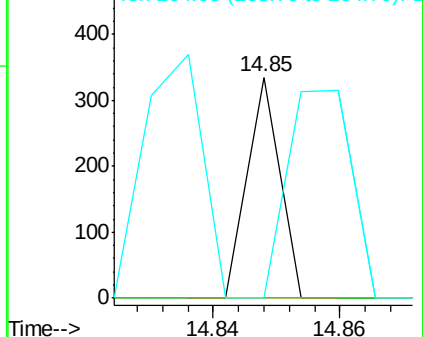
264 0.0 51.7 77.5#

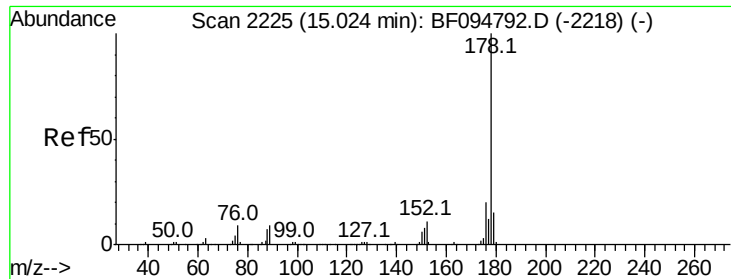


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 13.50 ng

RT: 15.05 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampleId :

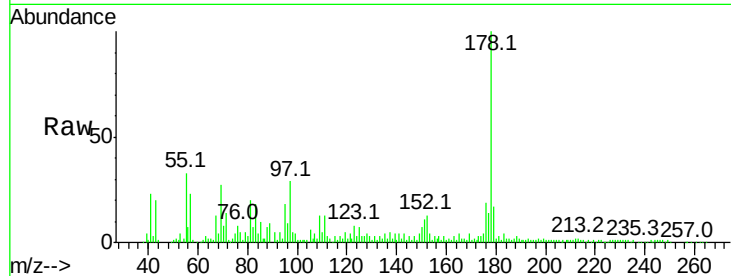
Tot Ion:178 Resp: 198056

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.4

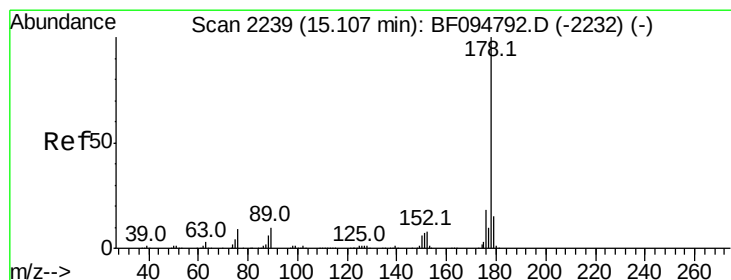
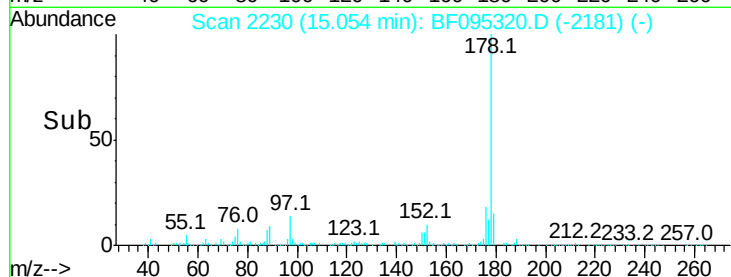
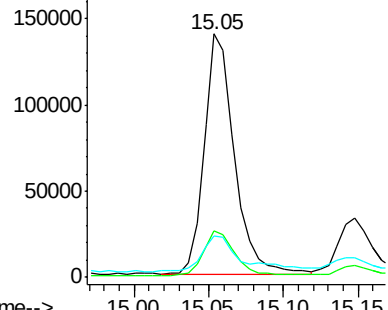
179 17.2 12.6 19.0



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: 13.21 ng

RT: 15.05 min Scan# 2230

Delta R.T. -0.09 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

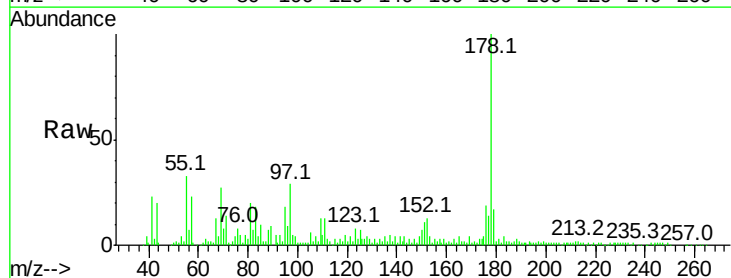
Tgt Ion:178 Resp: 198056

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

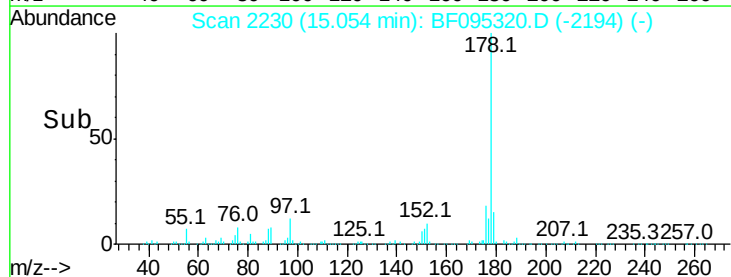
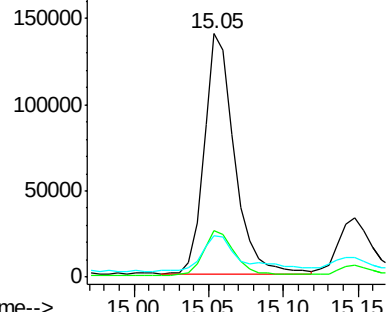
179 17.2 12.7 19.1

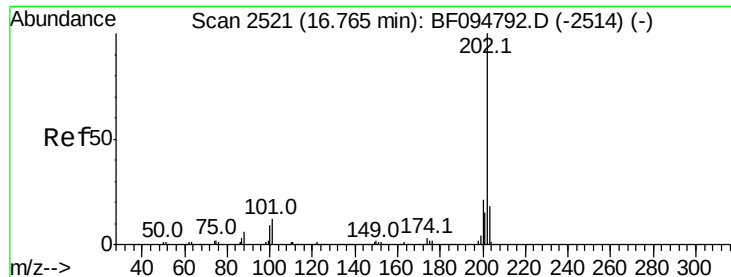


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.65 ng

RT: 16.81 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampleId :

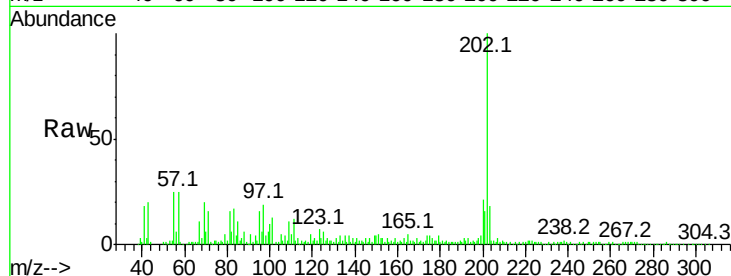
Tot Ion:202 Resp: 265619

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

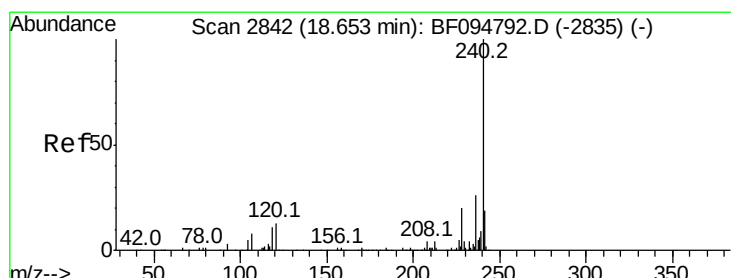
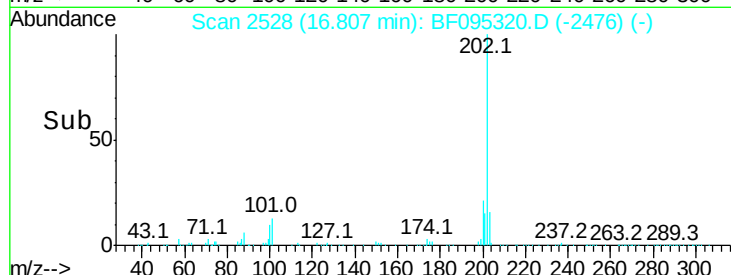
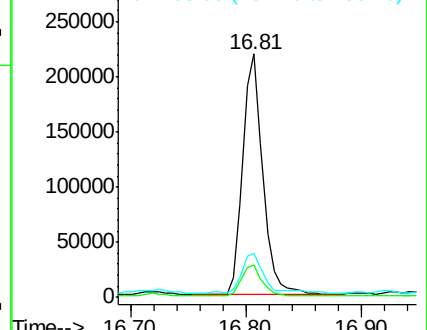
203 18.0 0.0 38.1



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# 2848

Delta R.T. -0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

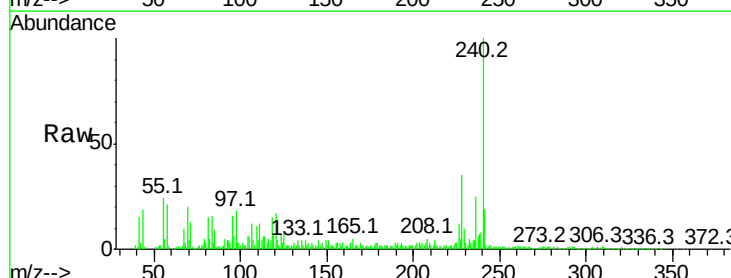
Tgt Ion:240 Resp: 170756

Ion Ratio Lower Upper

240 100

120 17.0 5.8 8.8#

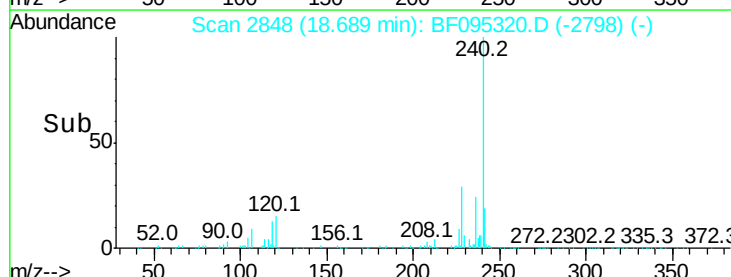
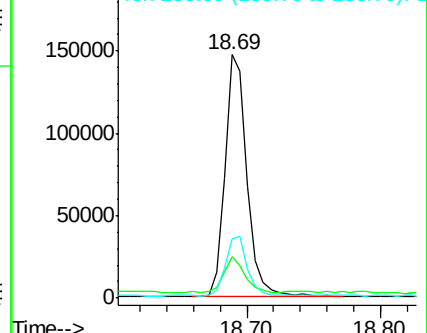
236 24.5 20.5 30.7

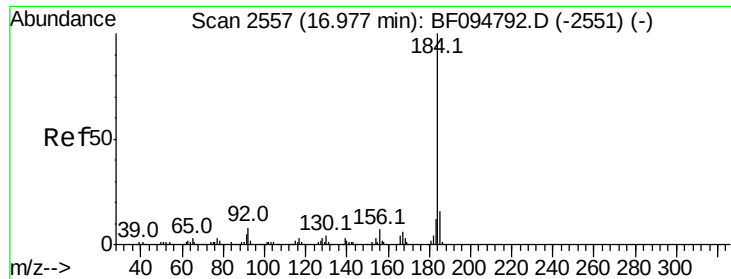


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.87 ng

RT: 17.02 min Scan# 2564

Delta R.T. 0.00 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampleId :

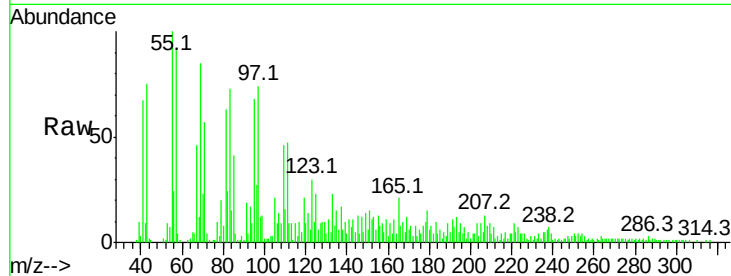
Tot Ion:184 Resp: 1482

Ion Ratio Lower Upper

184 100

185 131.4 15.5 23.3#

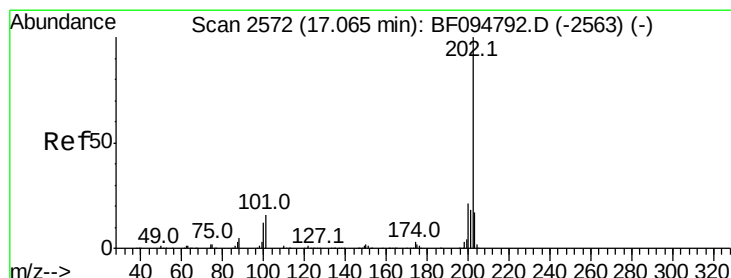
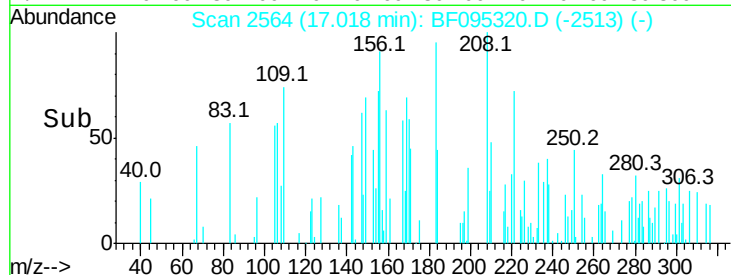
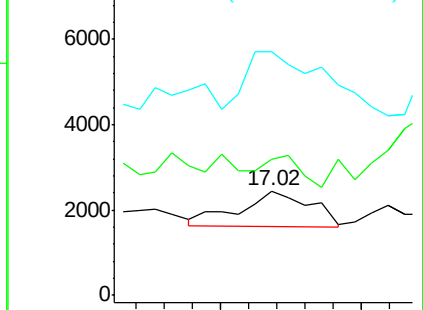
183 233.7 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 20.23 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

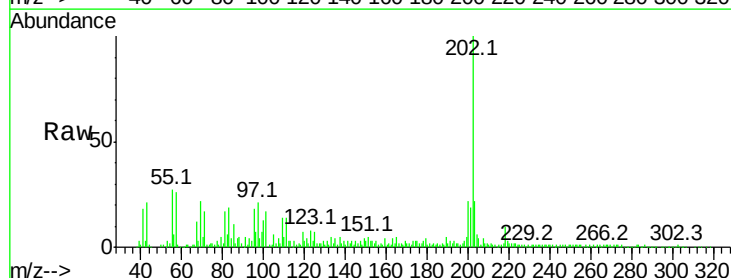
Tgt Ion:202 Resp: 258395

Ion Ratio Lower Upper

202 100

200 22.4 17.6 26.4

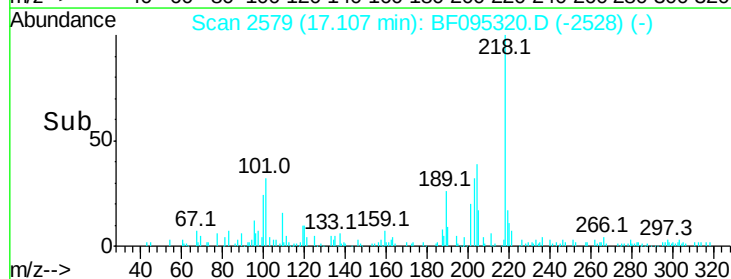
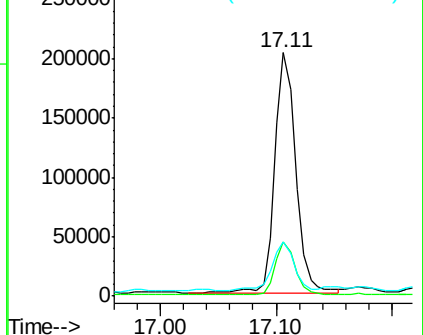
203 22.4 14.4 21.6#

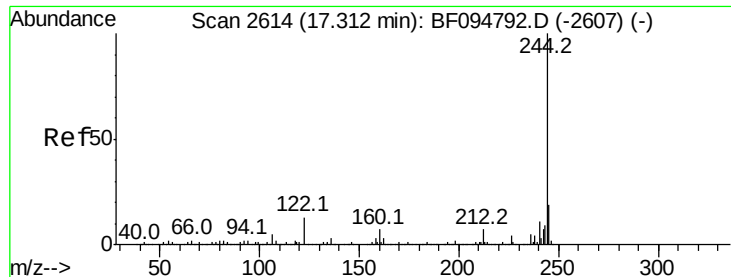


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.51 ng

RT: 17.34 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampled :

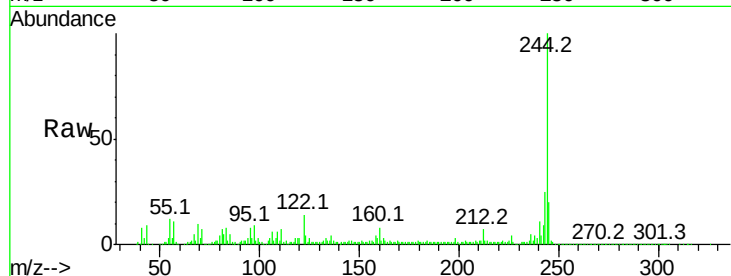
Tot Ion:244 Resp: 523351

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

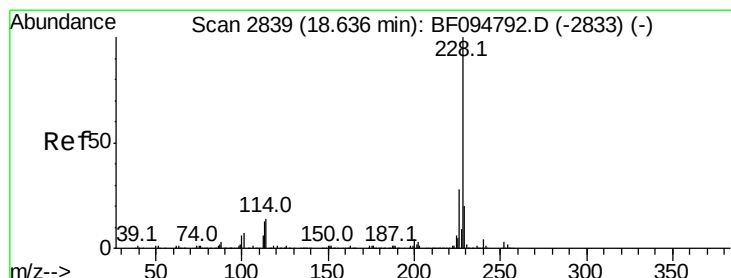
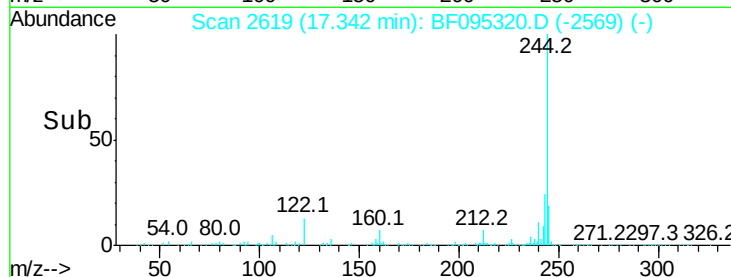
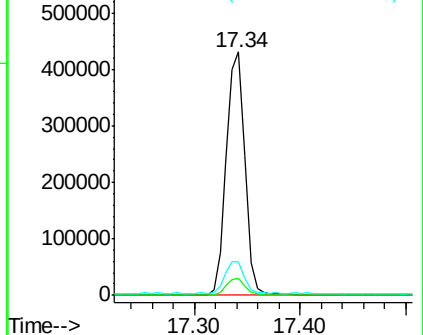
122 13.9 10.3 15.5



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: 11.10 ng

RT: 18.68 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

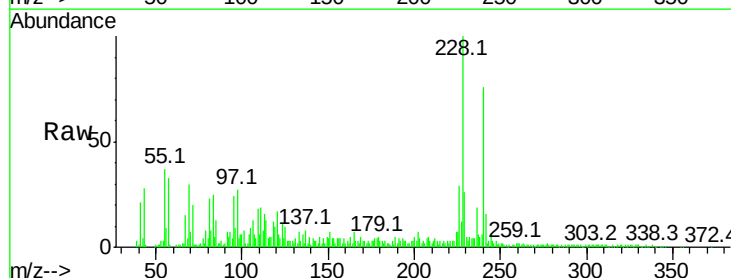
Tgt Ion:228 Resp: 110310

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

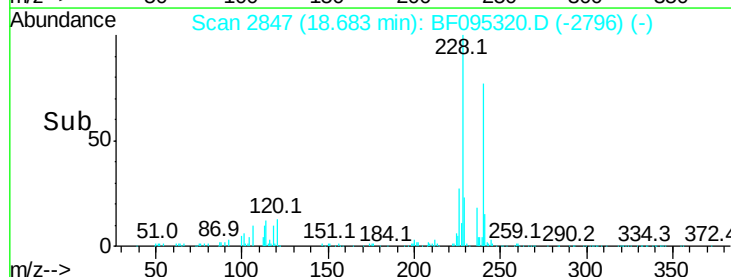
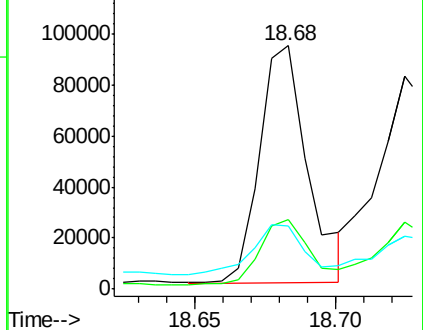
229 25.8 16.3 24.5#

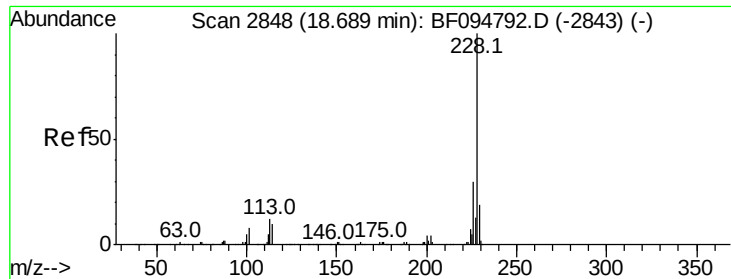


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.14 ng

RT: 18.72 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampleId :

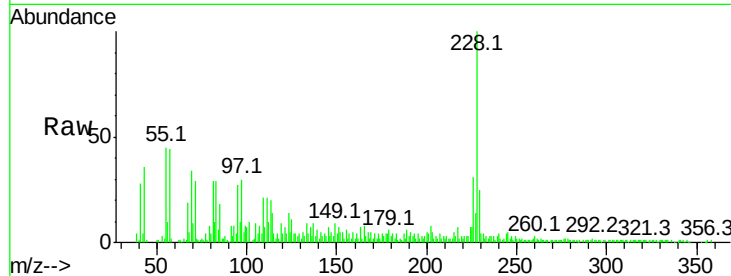
Tot Ion:228 Resp: 116611

Ion Ratio Lower Upper

228 100

226 31.3 24.9 37.3

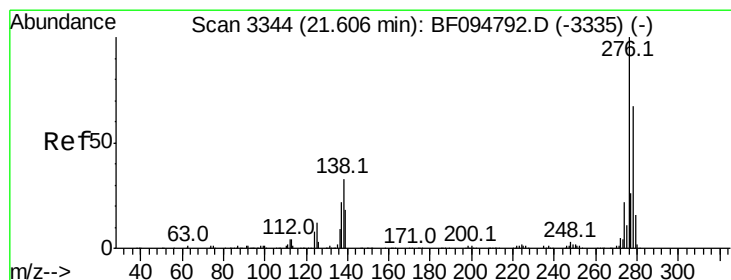
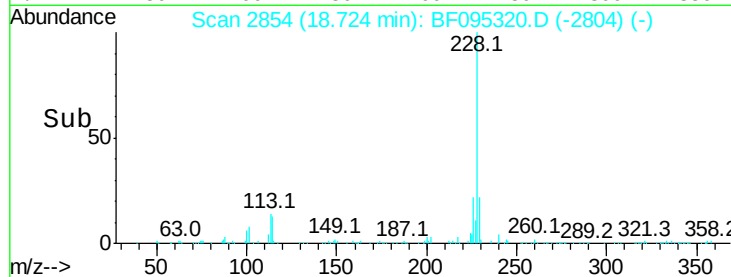
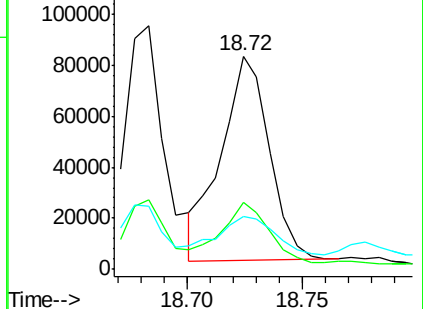
229 25.0 15.8 23.6#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.83 ng

RT: 21.71 min Scan# 3361

Delta R.T. 0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

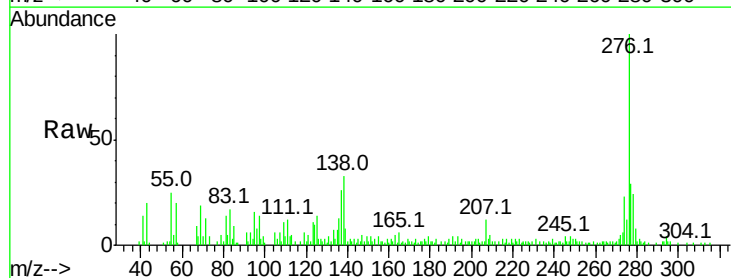
Tgt Ion:276 Resp: 61089

Ion Ratio Lower Upper

276 100

138 27.0 27.8 41.6#

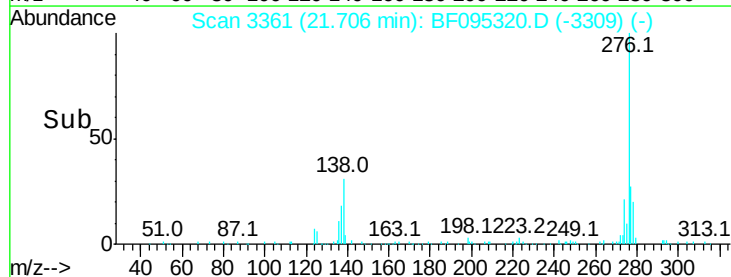
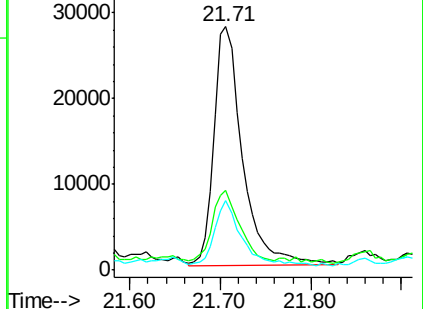
277 26.3 20.2 30.4

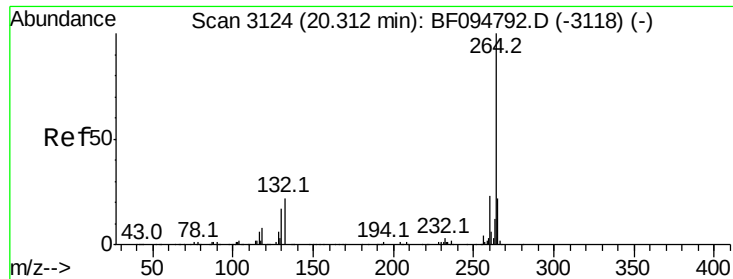


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

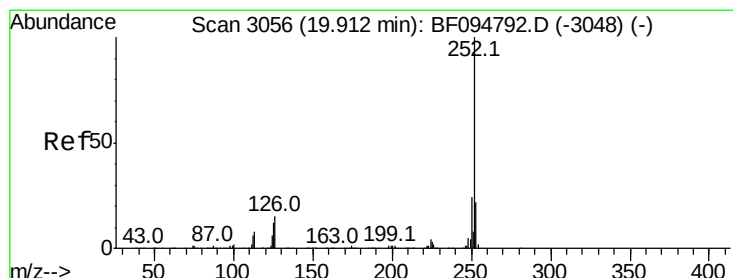
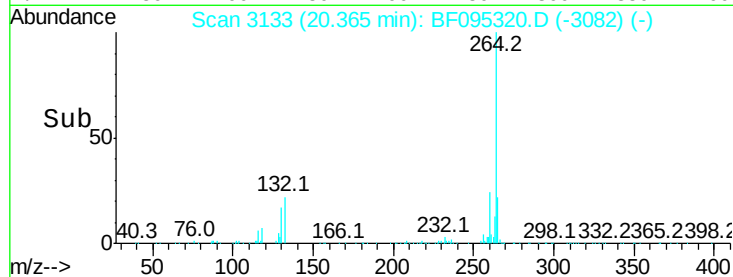
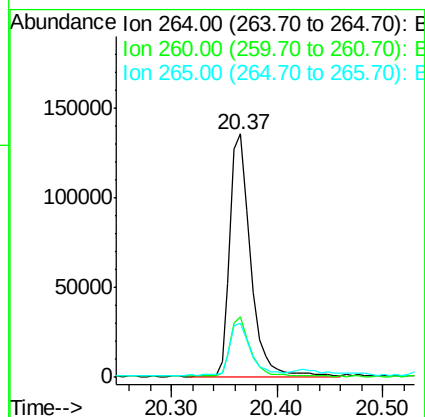
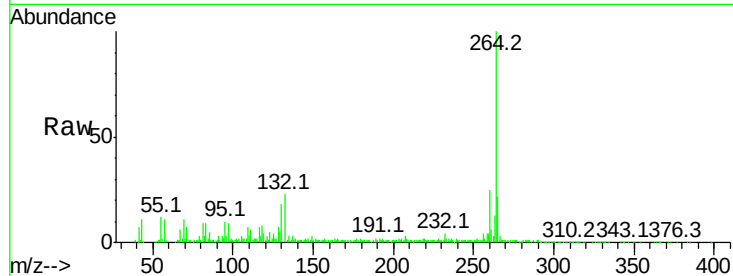




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

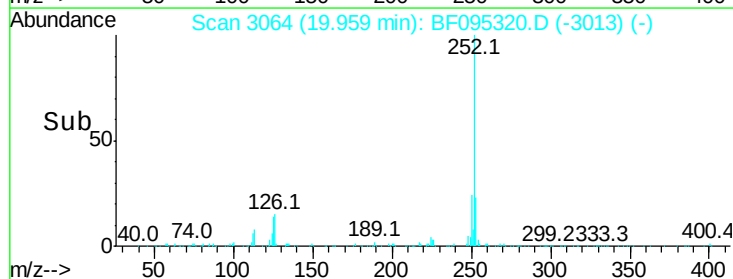
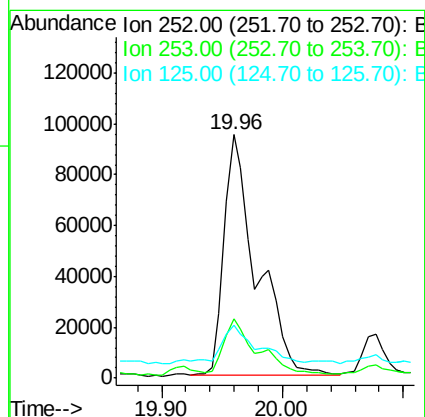
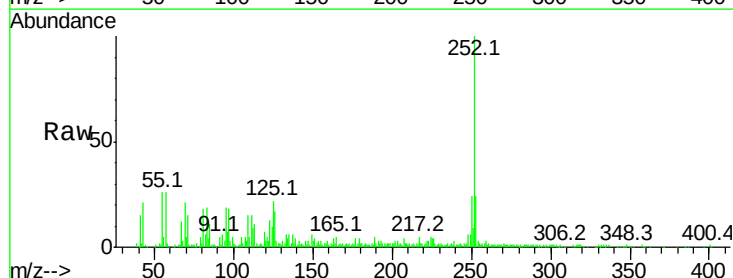
Instrument :
BNA_F
ClientSampleId :

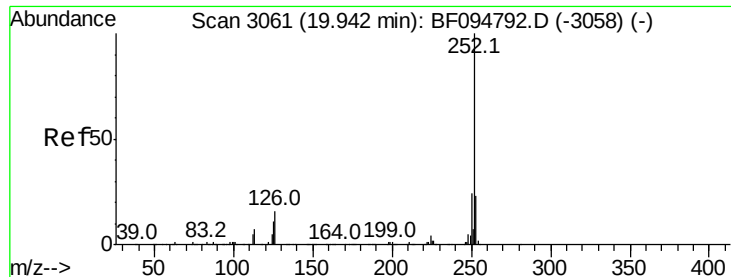
Tot Ion:264 Resp: 183668
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 22.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 15.55 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:252 Resp: 176500
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 21.8 9.8 14.8#

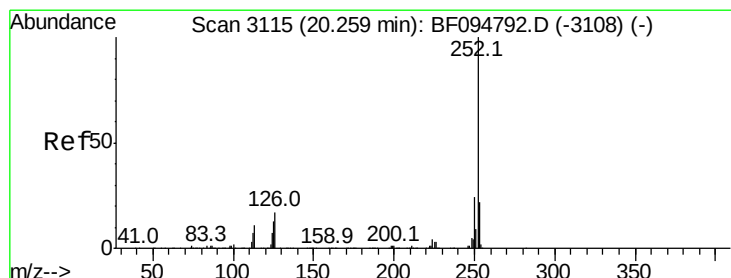
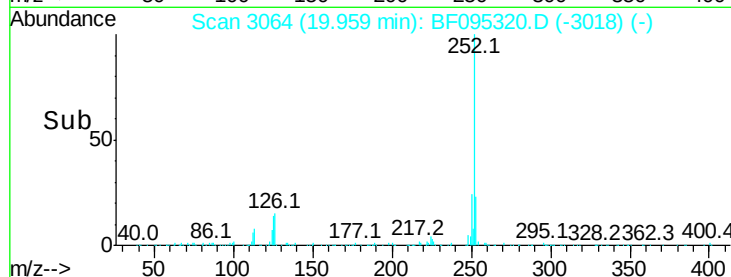
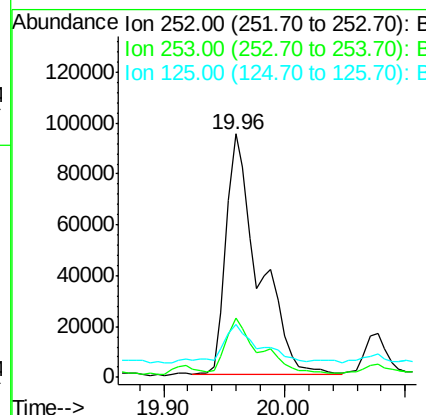
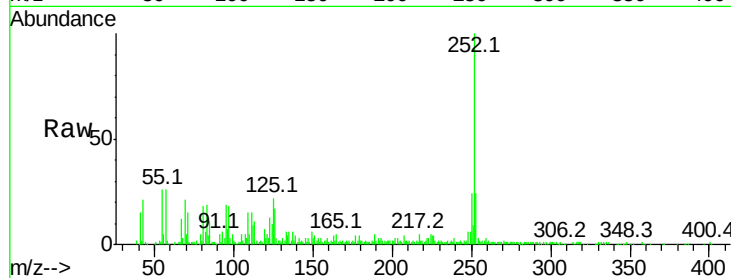




#88
Benzo(k)fluoranthene
Concen: 16.04 ng
RT: 19.96 min Scan# 3064
Delta R.T. -0.03 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

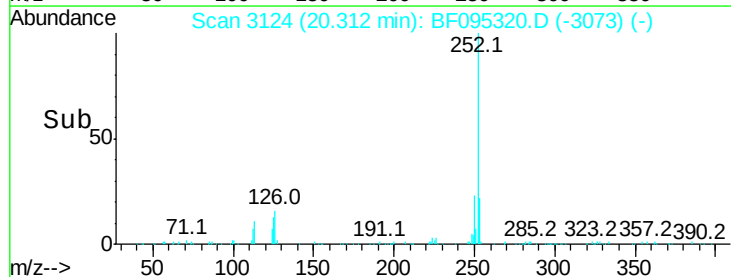
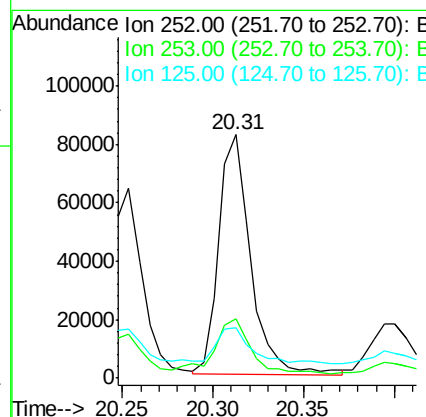
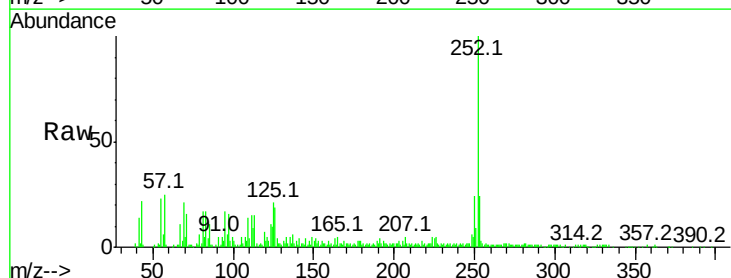
Instrument :
BNA_F
ClientSampleId :

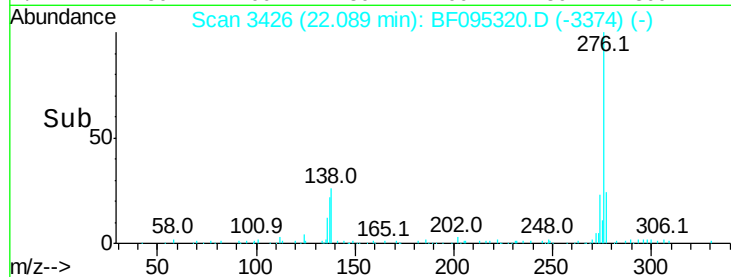
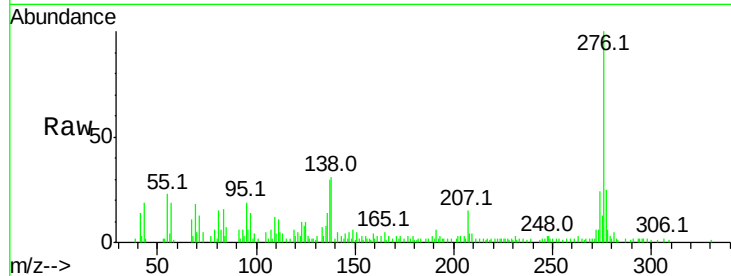
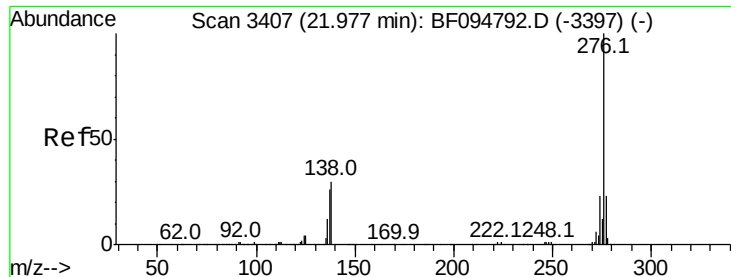
Tot Ion:252 Resp: 175581
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 21.8 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 9.60 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:252 Resp: 100490
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 20.5 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 7.04 ng

RT: 22.09 min Scan# 3426

Delta R.T. 0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 59749

Ion Ratio Lower Upper

276 100

277 25.4 18.6 28.0

138 30.8 25.4 38.0

