

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095173.D
 Acq On : 17 May 2017 00:15
 Operator : SJ/MA
 Sample : I3170-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 17 05:59:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

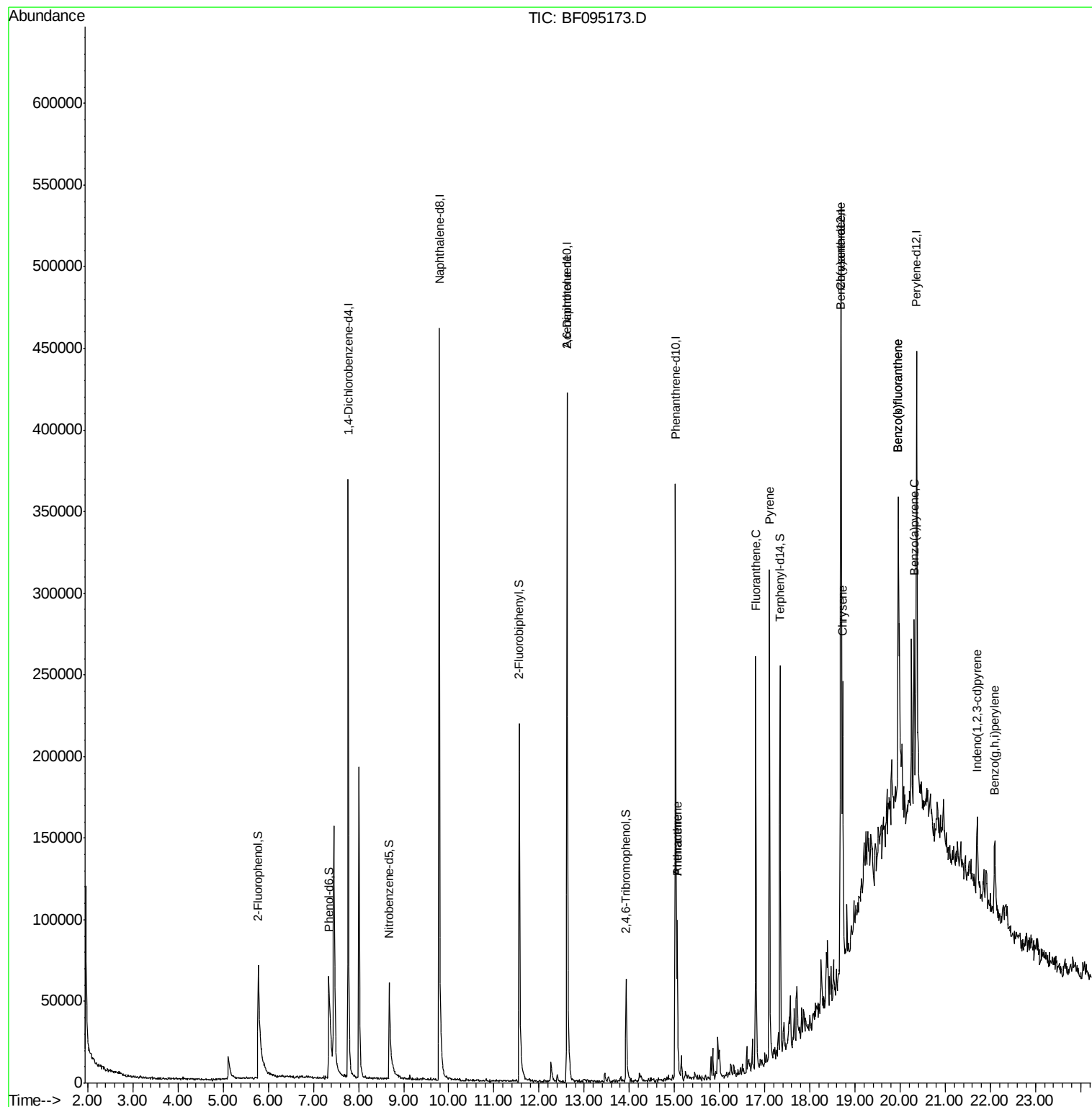
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	87036	20.00	ng	0.04
21) Naphthalene-d8	9.79	136	361237	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	142136	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	213759	20.00	ng	0.04
75) Chrysene-d12	18.69	240	178847	20.00	ng	0.04
86) Perylene-d12	20.36	264	124368	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	84721	16.23	ng	0.10
7) Phenol-d6	7.34	99	93609	14.94	ng	0.06
23) Nitrobenzene-d5	8.68	82	59438	10.38	ng	0.05
41) 2,4,6-Tribromophenol	13.93	330	16181	13.90	ng	0.05
44) 2-Fluorobiphenyl	11.56	172	143426	14.52	ng	0.03
78) Terphenyl-d14	17.34	244	92807	11.43	ng	0.02
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	12.62	165	12863	5.40	ng	# 31
70) Phenanthrene	15.06	178	57084	4.65	ng	97
71) Anthracene	15.06	178	57084	4.55	ng	98
74) Fluoranthene	16.80	202	140964	11.19	ng	98
77) Pyrene	17.11	202	151416	11.32	ng	95
80) Benzo(a)anthracene	18.68	228	69247	6.65	ng	95
82) Chrysene	18.72	228	83372	8.28	ng	97
85) Indeno(1,2,3-cd)pyrene	21.71	276	31437	3.85	ng	92
87) Benzo(b)fluoranthene	19.96	252	132486	17.24	ng	# 94
88) Benzo(k)fluoranthene	19.96	252	132486	17.87	ng	98
89) Benzo(a)pyrene	20.31	252	50574	7.13	ng	# 92
91) Benzo(a,h,i)perylene	22.10	276	30980	5.39	ng	96

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

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Misc :
ALS Vial : 17 Sample Multiplier: 1

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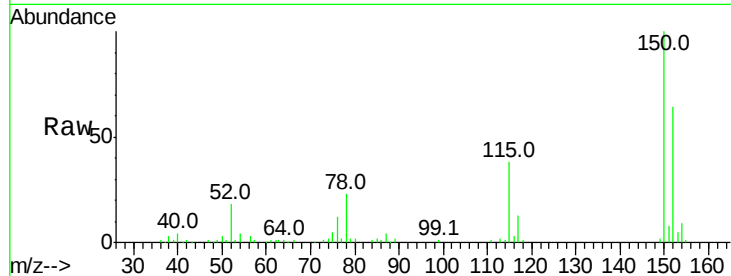


#1

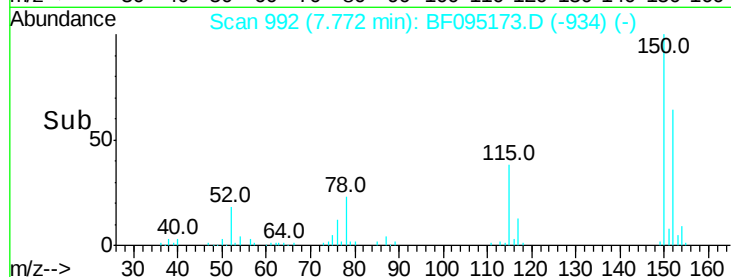
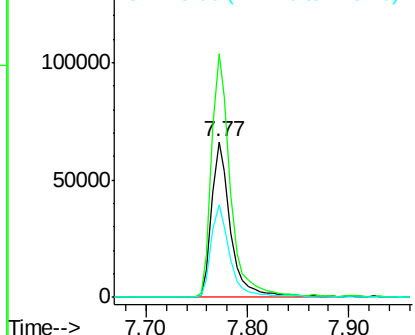
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.04 min
Lab File: BF095173.D
Acq: 17 May 2017 00:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 87036
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.2
115 59.2 52.2 78.2



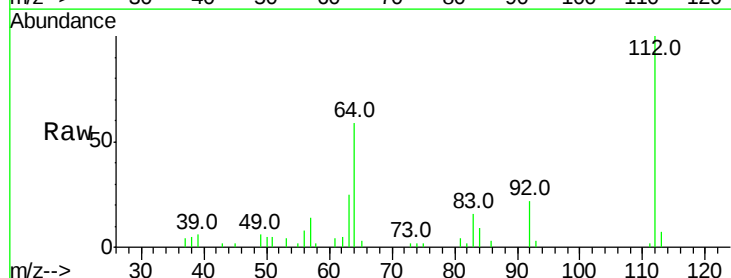
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



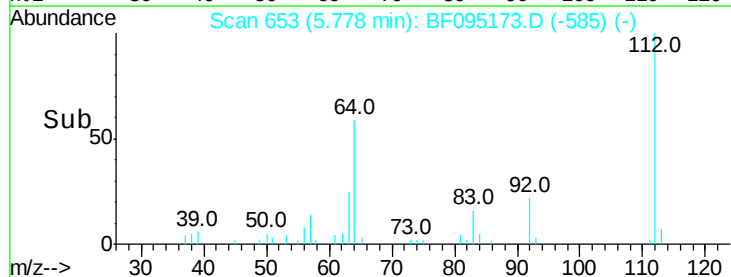
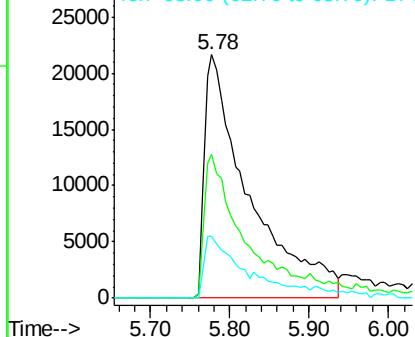
#5

2-Fluorophenol
Concen: 16.23 ng
RT: 5.78 min Scan# 653
Delta R.T. 0.10 min
Lab File: BF095173.D
Acq: 17 May 2017 00:15

Tgt Ion:112 Resp: 84721
Ion Ratio Lower Upper
112 100
64 59.0 46.0 69.0
63 25.2 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: 14.94 ng

RT: 7.34 min Scan# 919

Delta R.T. 0.06 min

Lab File: BF095173.D

Acq: 17 May 2017 00:15

Instrument :

BNA_F

ClientSampleId :

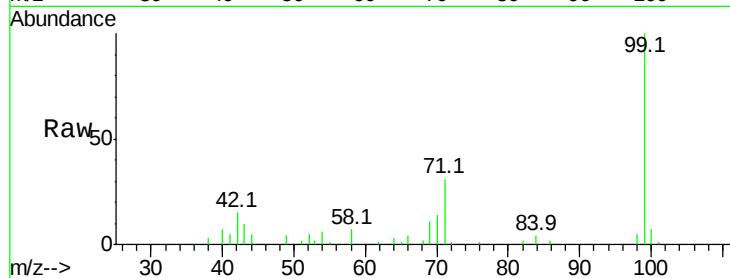
Tot Ion: 99 Resp: 93609

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

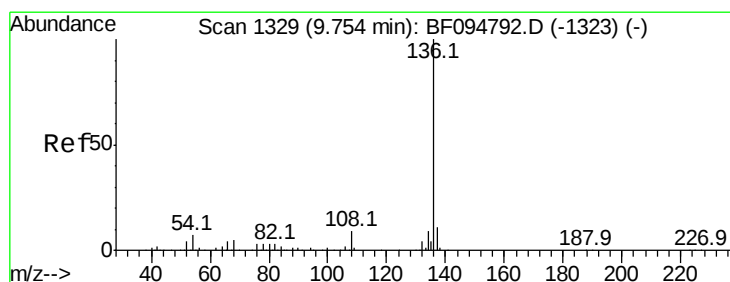
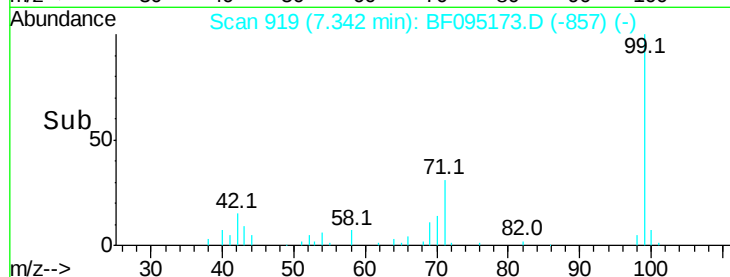
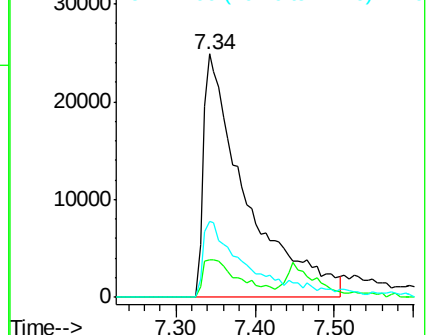
71 31.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. 0.04 min

Lab File: BF095173.D

Acq: 17 May 2017 00:15

Tgt Ion: 136 Resp: 361237

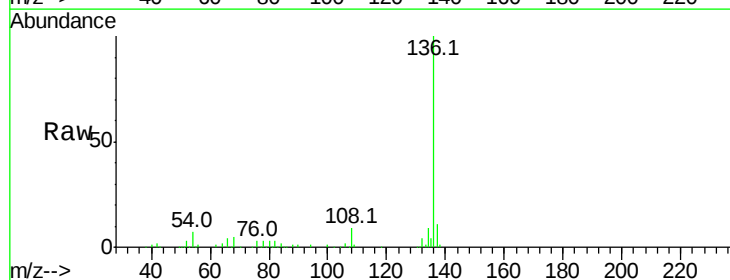
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 6.8 4.9 7.3

68 5.4 4.1 6.1

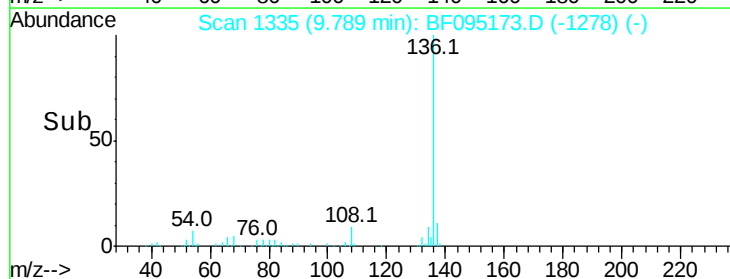
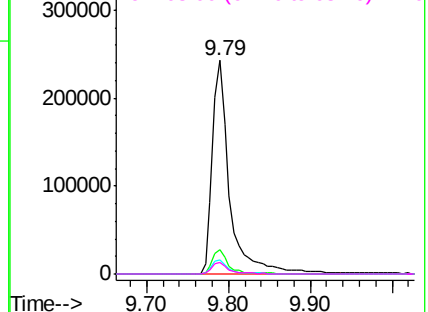


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

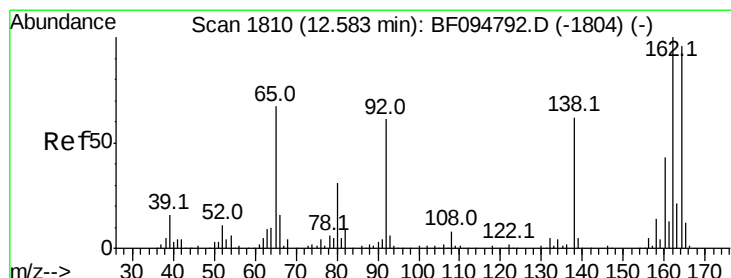
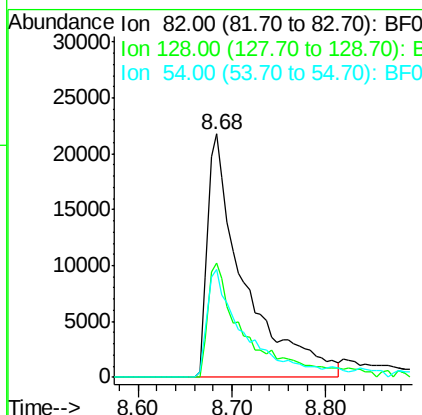
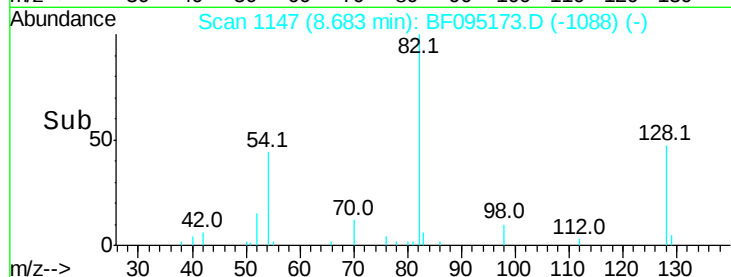
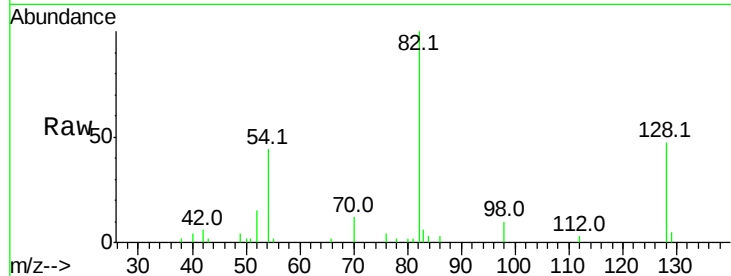




#23
 Nitrobenzene-d5
 Concen: 10.38 ng
 RT: 8.68 min Scan# 1147
 Delta R.T. 0.05 min
 Lab File: BF095173.D
 Acq: 17 May 2017 00:15

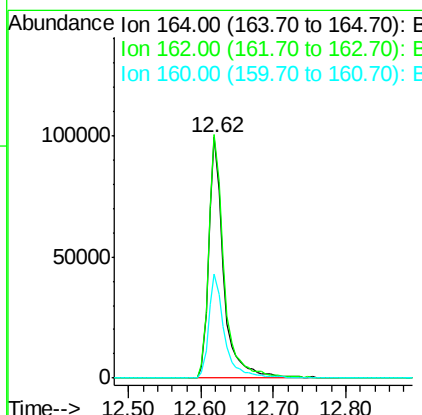
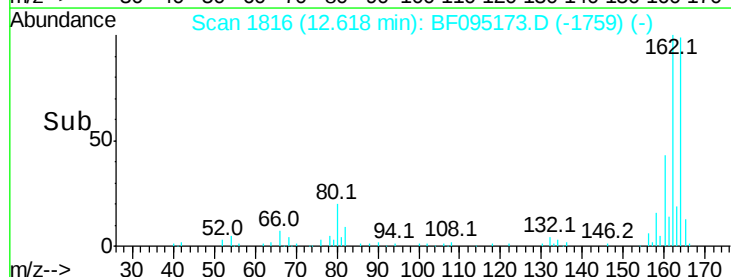
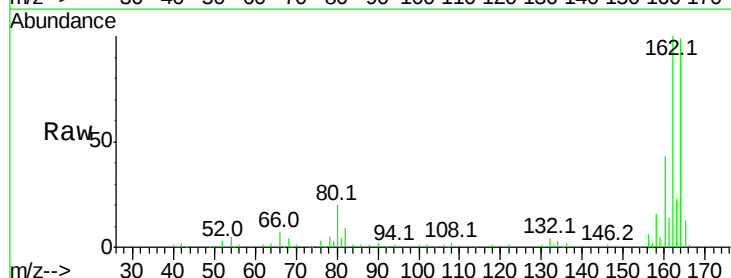
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	59438
Ion Ratio	Lower	Upper	
82	100		
128	46.7	34.0	51.0
54	44.3	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1816
 Delta R.T. 0.04 min
 Lab File: BF095173.D
 Acq: 17 May 2017 00:15

Tgt Ion	164	Resp	142136
Ion Ratio	Lower	Upper	
164	100		
162	101.0	82.6	123.8
160	43.3	36.2	54.2

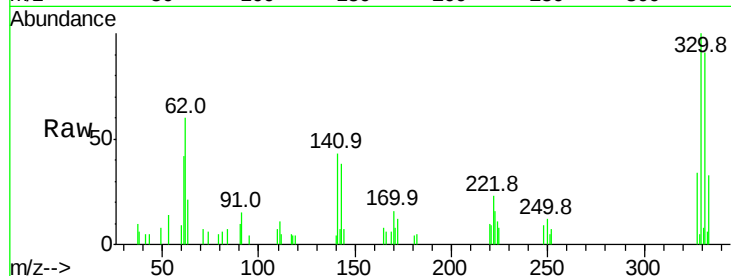




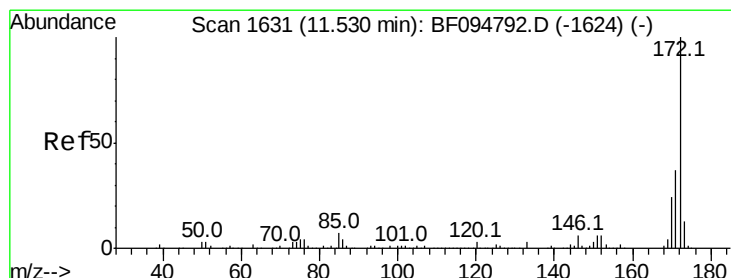
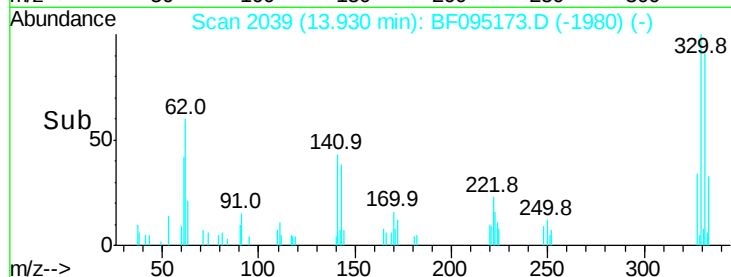
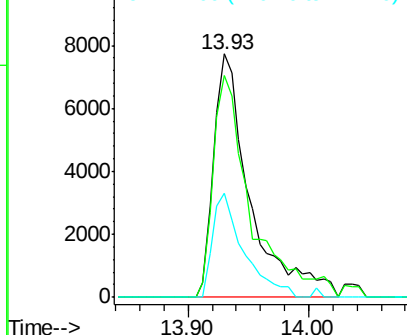
#41
 2,4,6-Tribromophenol
 Concen: 13.90 ng
 RT: 13.93 min Scan# 2039
 Delta R.T. 0.05 min
 Lab File: BF095173.D
 Acq: 17 May 2017 00:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 16181
 Ion Ratio Lower Upper
 330 100
 332 90.3 76.6 115.0
 141 36.0 31.4 47.2

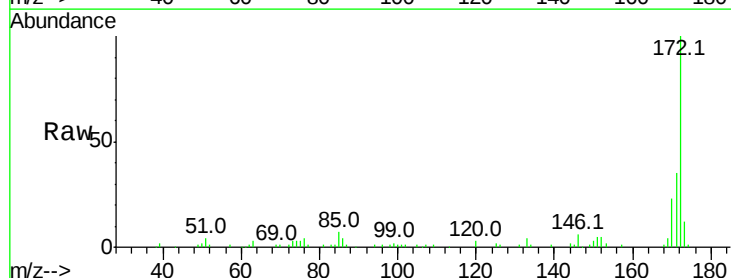


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

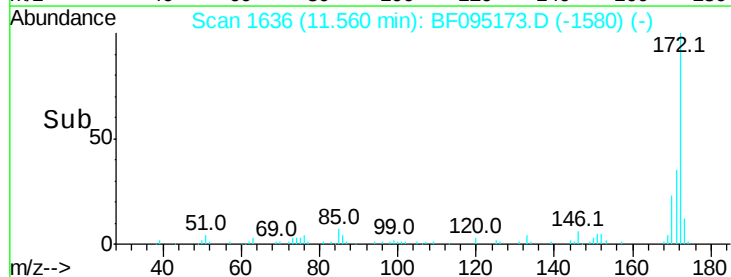
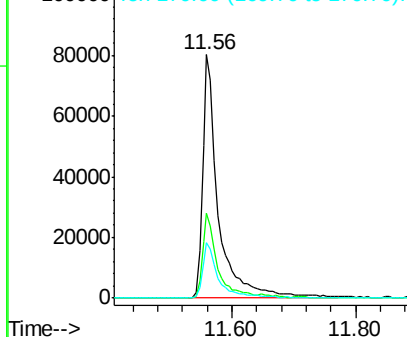


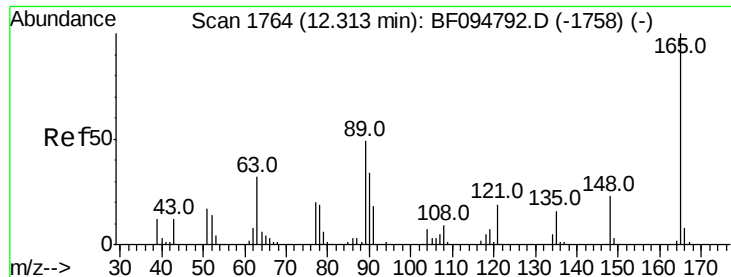
#44
 2-Fluorobiphenyl
 Concen: 14.52 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. 0.03 min
 Lab File: BF095173.D
 Acq: 17 May 2017 00:15

Tgt Ion:172 Resp: 143426
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.6 44.4
 170 22.9 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

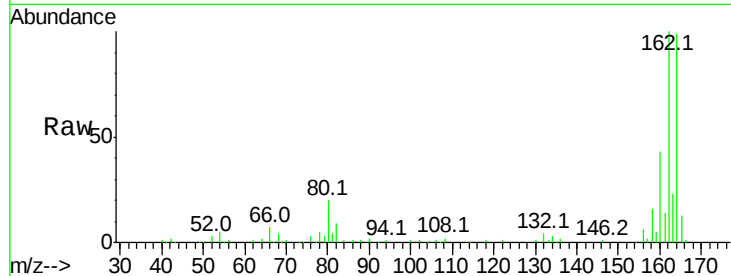




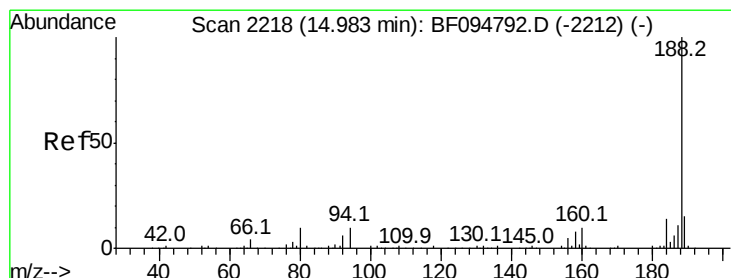
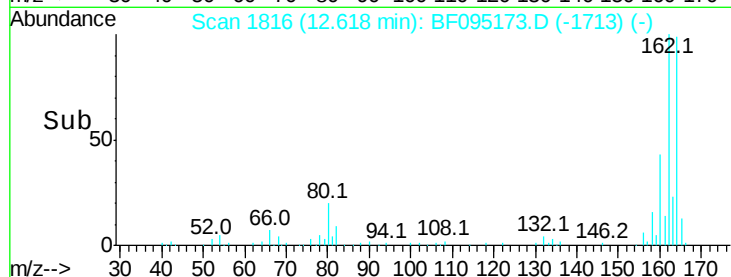
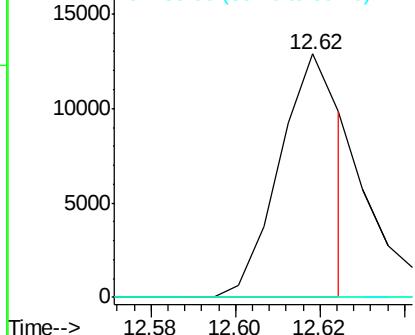
#50
 2,6-Dinitrotoluene
 Concen: 5.40 ng
 RT: 12.62 min Scan# 1816
 Delta R.T. 0.31 min
 Lab File: BF095173.D
 Acq: 17 May 2017 00:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 12863
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

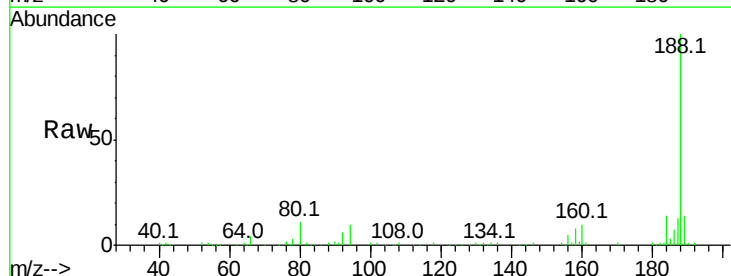


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

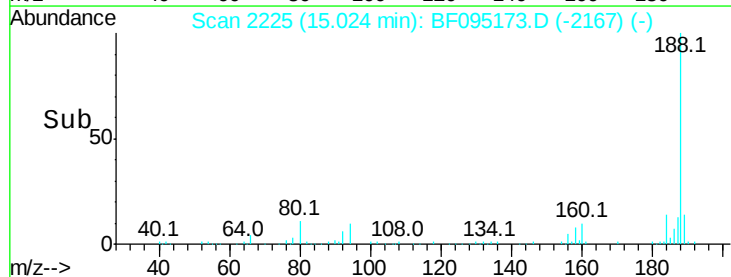
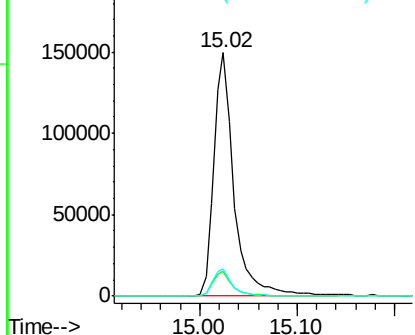


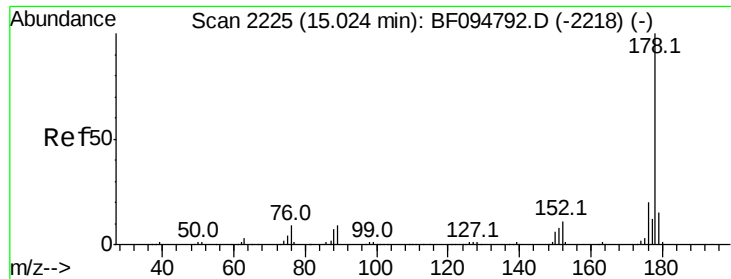
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2225
 Delta R.T. 0.04 min
 Lab File: BF095173.D
 Acq: 17 May 2017 00:15

Tgt Ion:188 Resp: 213759
 Ion Ratio Lower Upper
 188 100
 94 10.4 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

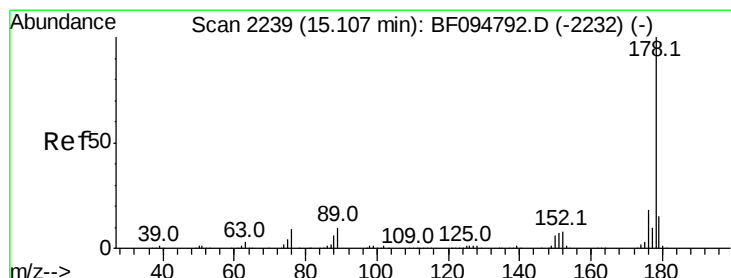
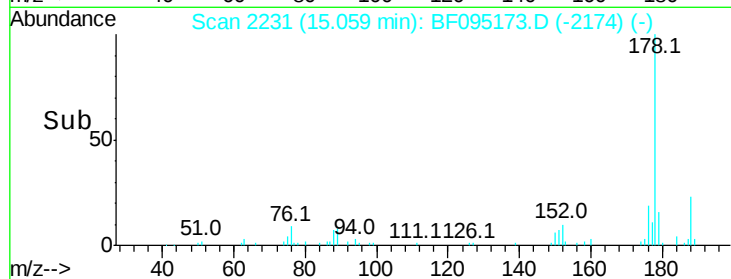
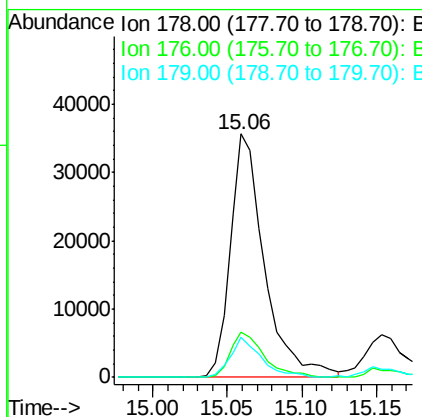
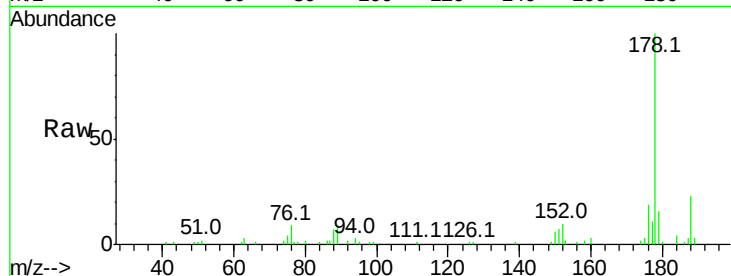




#70
Phenanthrene
Concen: 4.65 ng
RT: 15.06 min Scan# 2231
Delta R.T. 0.04 min
Lab File: BF095173.D
Acq: 17 May 2017 00:15

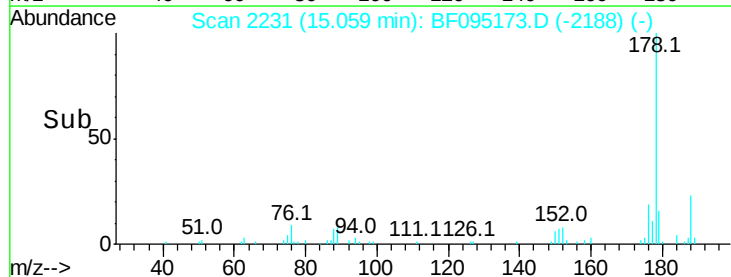
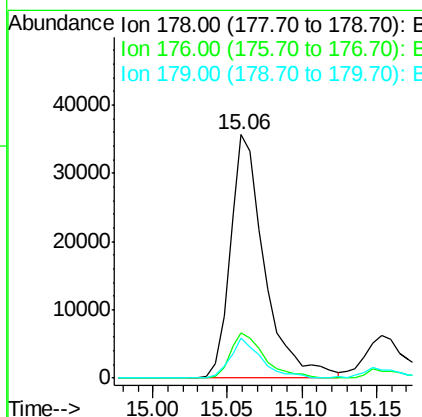
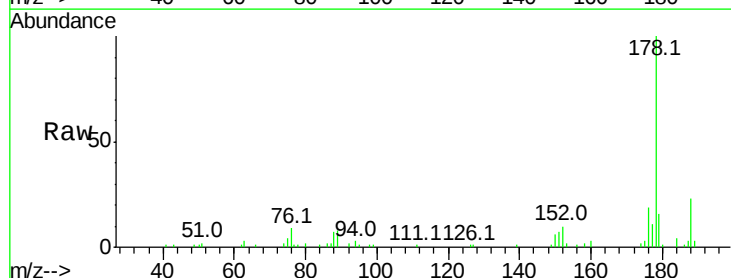
Instrument :
BNA_F
ClientSampled :

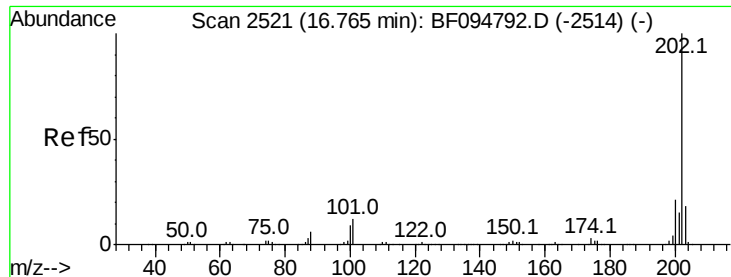
Tot Ion:178 Resp: 57084
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 16.4 12.6 19.0



#71
Anthracene
Concen: 4.55 ng
RT: 15.06 min Scan# 2231
Delta R.T. -0.05 min
Lab File: BF095173.D
Acq: 17 May 2017 00:15

Tgt Ion:178 Resp: 57084
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 16.4 12.7 19.1

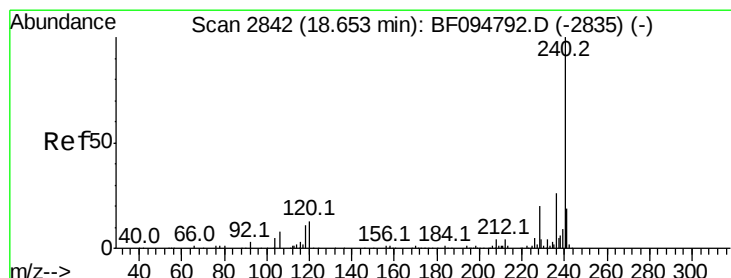
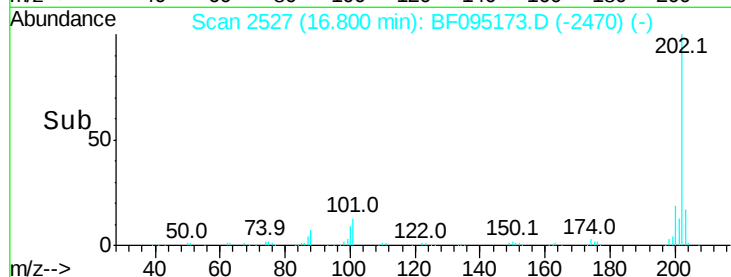
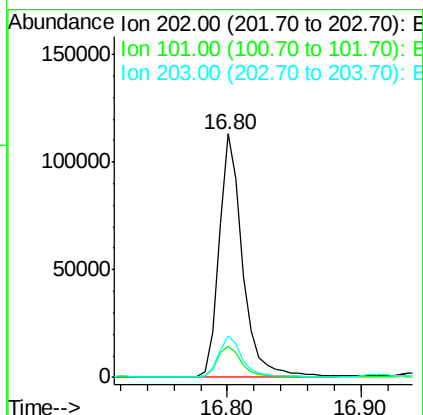
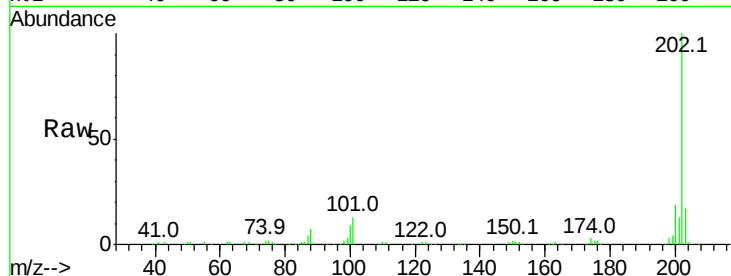




#74
 Fluoranthene
 Concen: 11.19 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. 0.04 min
 Lab File: BF095173.D
 Acq: 17 May 2017 00:15

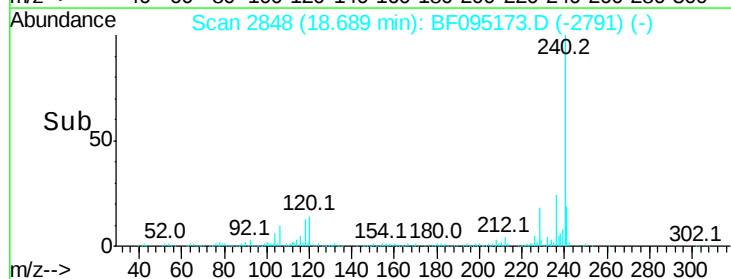
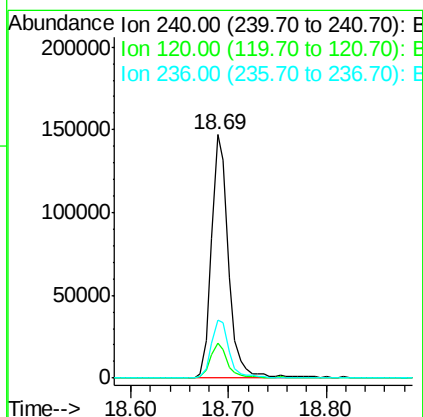
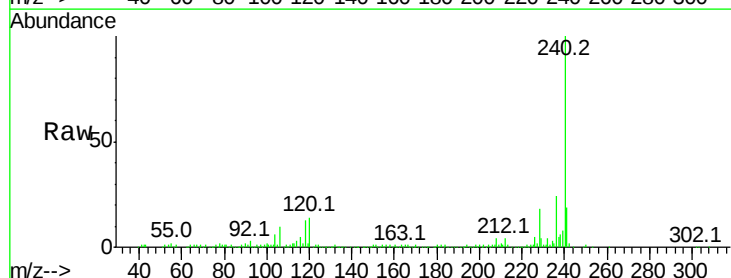
Instrument :
 BNA_F
 ClientSampleId :

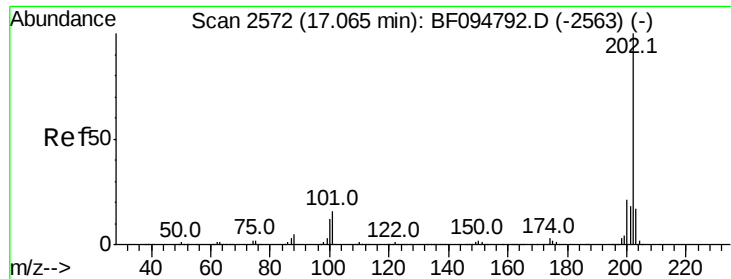
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	16.9	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. 0.04 min
 Lab File: BF095173.D
 Acq: 17 May 2017 00:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	24.0	20.5	30.7

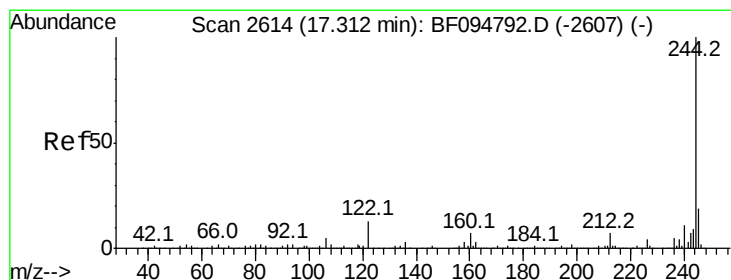
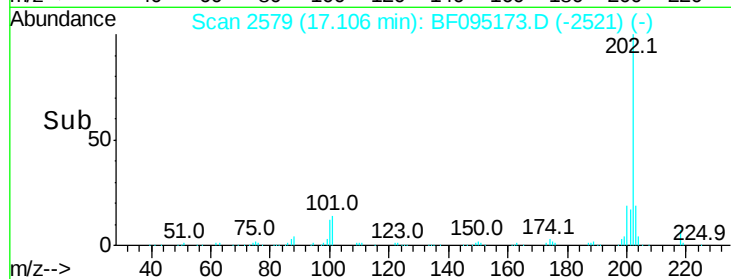
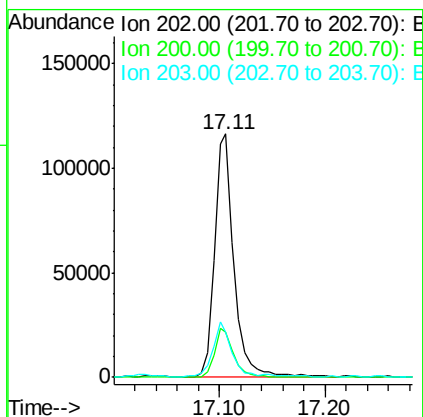
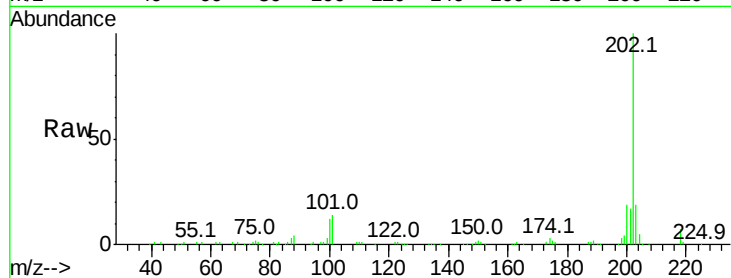




#77
Pvrene
Concen: 11.32 ng
RT: 17.11 min Scan# 2579
Delta R.T. 0.04 min
Lab File: BF095173.D
Acq: 17 May 2017 00:15

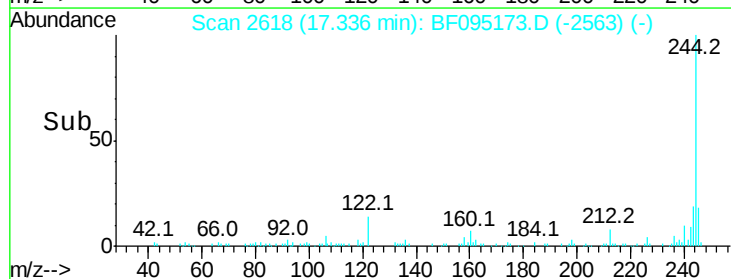
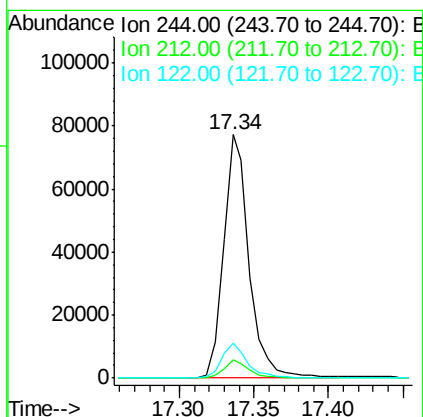
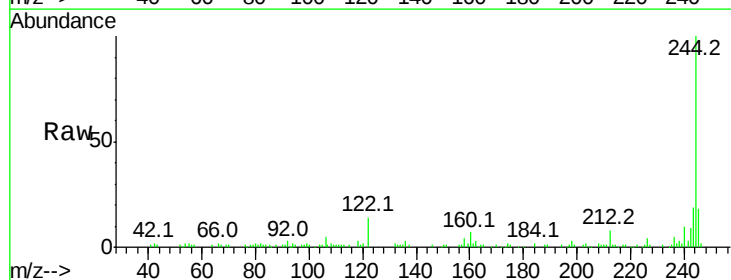
Instrument :
BNA_F
ClientSampleId :

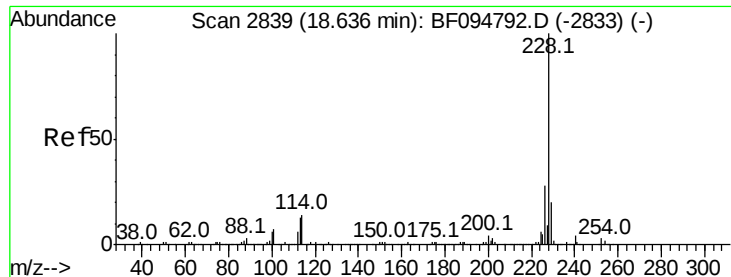
Tot Ion:202 Resp: 151416
Ion Ratio Lower Upper
202 100
200 18.5 17.6 26.4
203 18.8 14.4 21.6



#78
Terphenyl-d14
Concen: 11.43 ng
RT: 17.34 min Scan# 2618
Delta R.T. 0.02 min
Lab File: BF095173.D
Acq: 17 May 2017 00:15

Tgt Ion:244 Resp: 92807
Ion Ratio Lower Upper
244 100
212 7.6 6.0 9.0
122 14.4 10.3 15.5

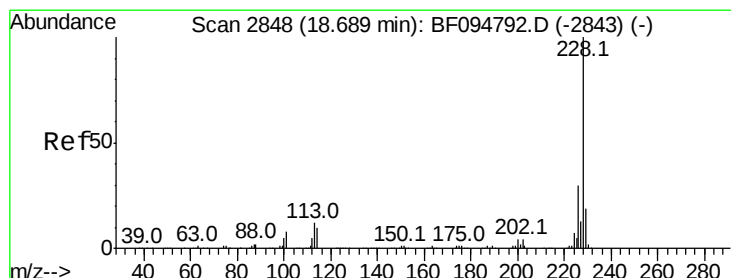
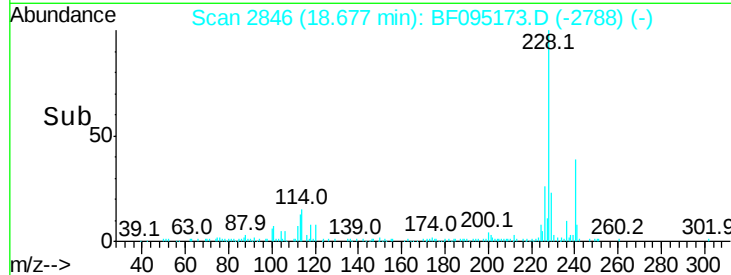
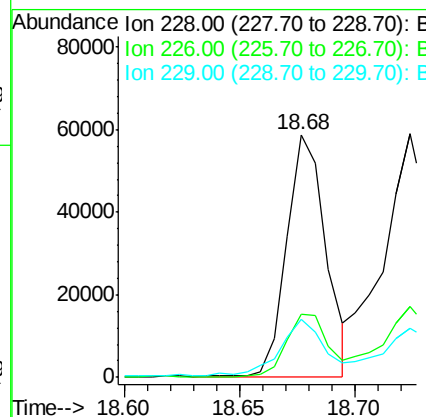
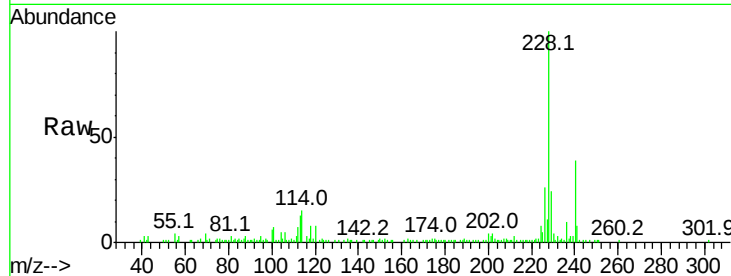




#80
Benzo(a)anthracene
Concen: 6.65 ng
RT: 18.68 min Scan# 2846
Delta R.T. 0.04 min
Lab File: BF095173.D
Acq: 17 May 2017 00:15

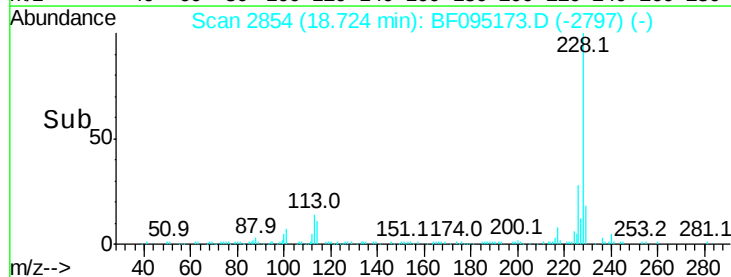
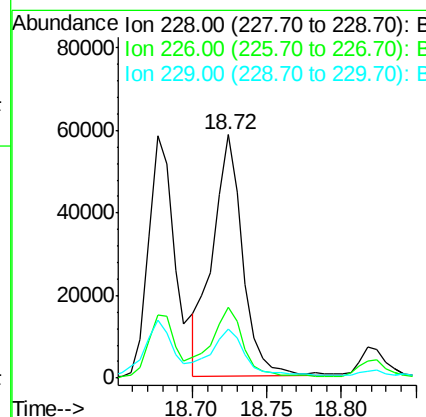
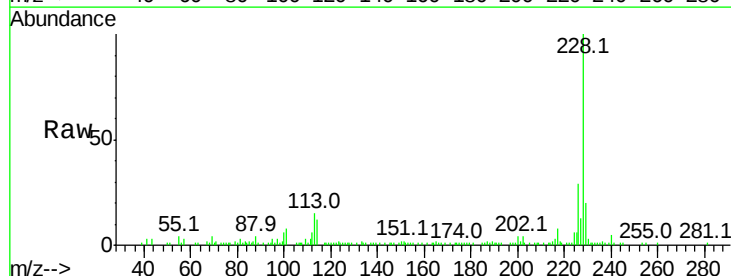
Instrument :
BNA_F
ClientSampleId :

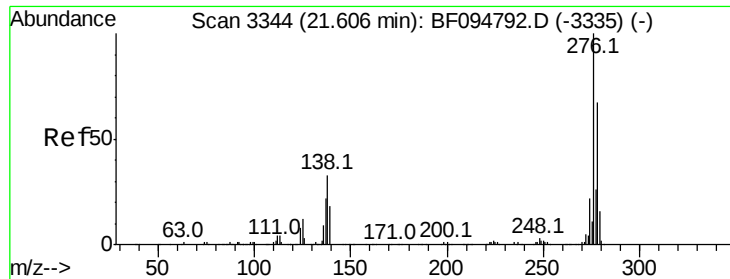
Tot Ion:228 Resp: 69247
Ion Ratio Lower Upper
228 100
226 26.2 22.6 33.8
229 23.7 16.3 24.5



#82
Chrysene
Concen: 8.28 ng
RT: 18.72 min Scan# 2854
Delta R.T. 0.04 min
Lab File: BF095173.D
Acq: 17 May 2017 00:15

Tgt Ion:228 Resp: 83372
Ion Ratio Lower Upper
228 100
226 28.9 24.9 37.3
229 20.1 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.85 ng

RT: 21.71 min Scan# 3361

Delta R.T. 0.10 min

Lab File: BF095173.D

Acq: 17 May 2017 00:15

Instrument :

BNA_F

ClientSampleId :

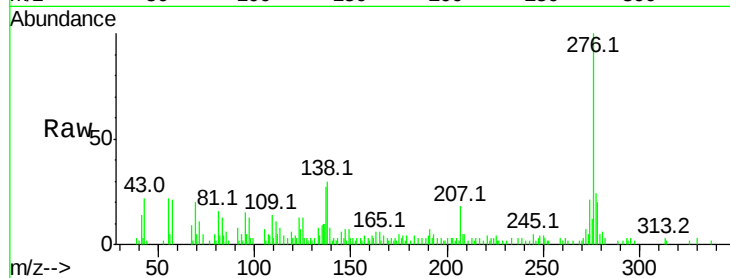
Tot Ion:276 Resp: 31437

Ion Ratio Lower Upper

276 100

138 27.8 27.8 41.6

277 23.9 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

21.71

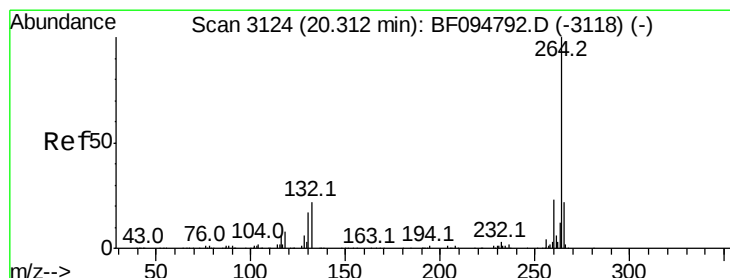
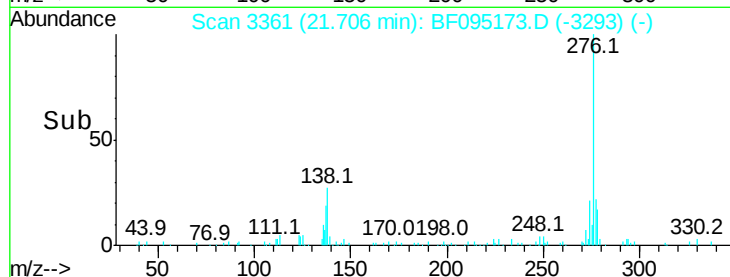
15000

10000

5000

0

Time--> 21.60 21.70 21.80



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.36 min Scan# 3133

Delta R.T. 0.05 min

Lab File: BF095173.D

Acq: 17 May 2017 00:15

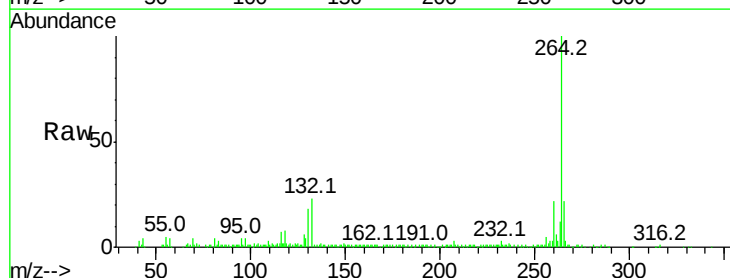
Tgt Ion:264 Resp: 124368

Ion Ratio Lower Upper

264 100

260 22.5 19.5 29.3

265 21.9 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

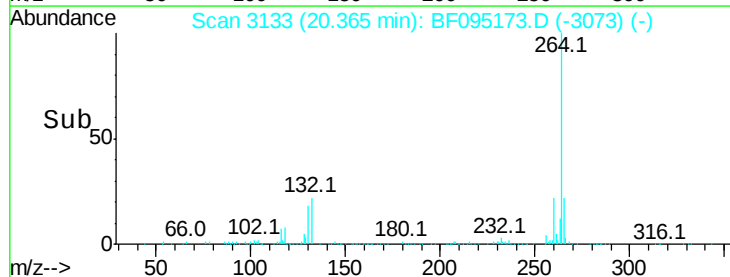
20.36

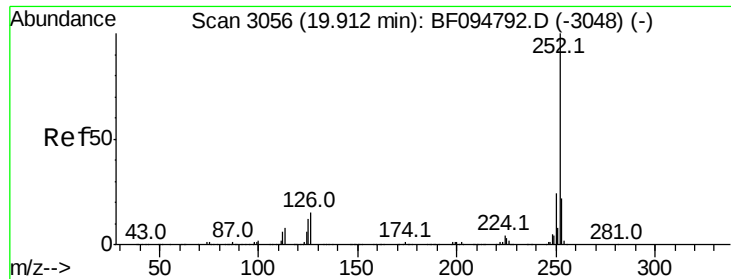
100000

50000

0

Time--> 20.30 20.40 20.50





#87

Benzo(b)fluoranthene

Concen: 17.24 ng

RT: 19.96 min Scan# 3064

Delta R.T. 0.05 min

Lab File: BF095173.D

Acq: 17 May 2017 00:15

Instrument :

BNA_F

ClientSampleId :

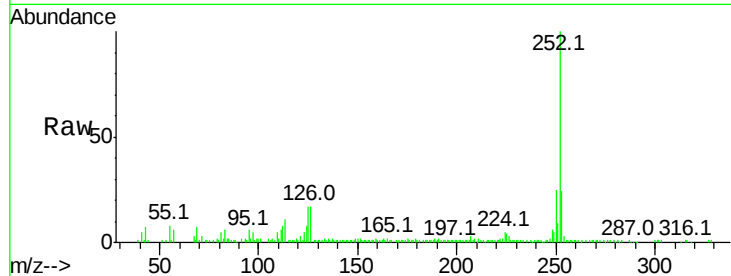
Tot Ion:252 Resp: 132486

Ion Ratio Lower Upper

252 100

253 24.1 18.1 27.1

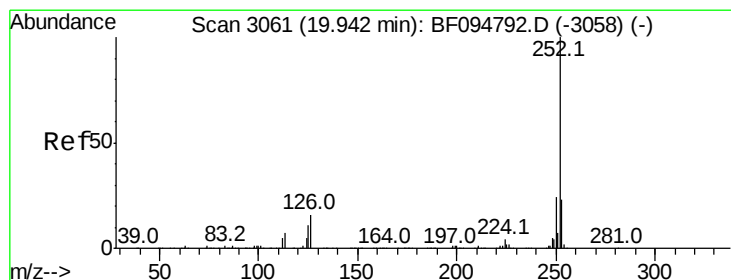
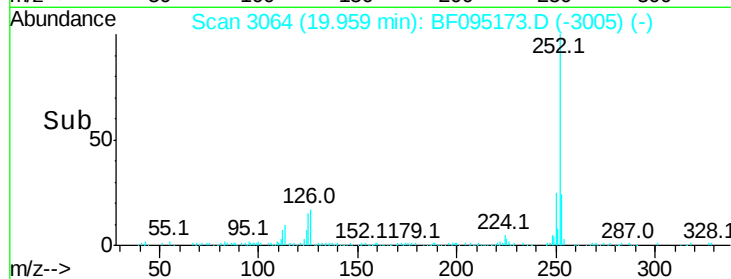
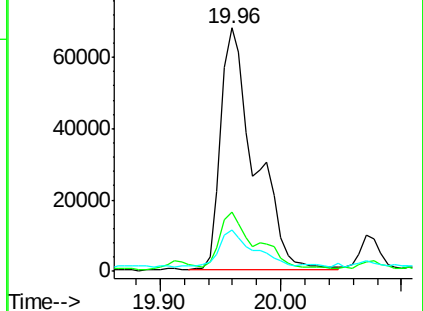
125 17.0 9.8 14.8#



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: 17.87 ng

RT: 19.96 min Scan# 3064

Delta R.T. 0.02 min

Lab File: BF095173.D

Acq: 17 May 2017 00:15

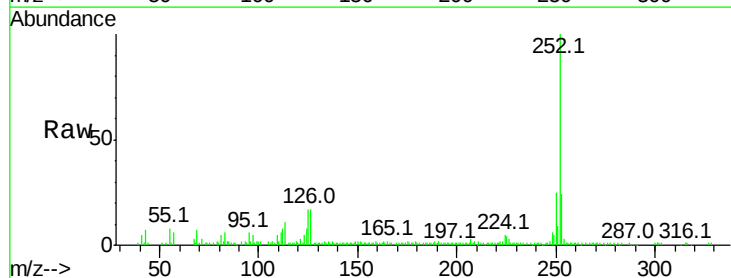
Tgt Ion:252 Resp: 132486

Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

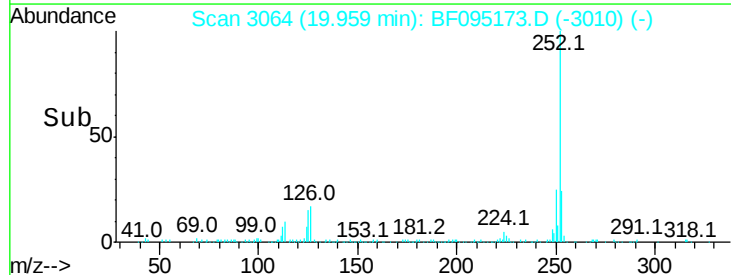
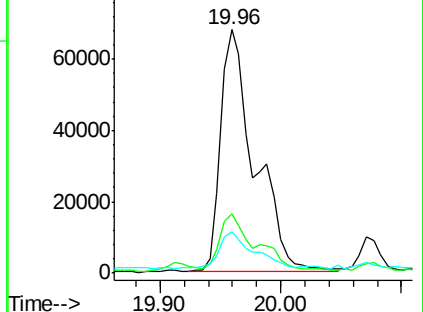
125 17.0 13.1 19.7

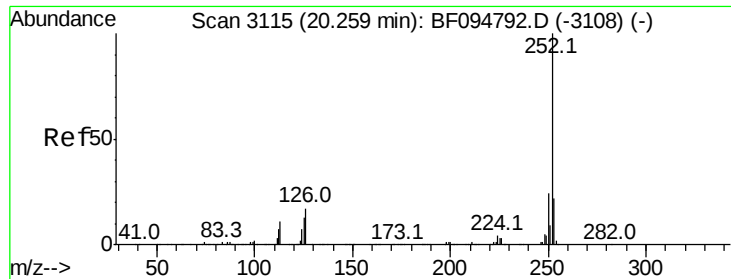


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

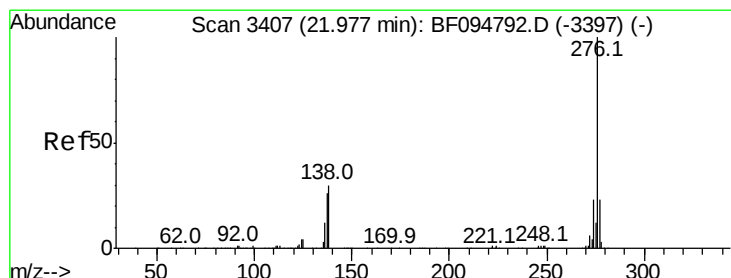
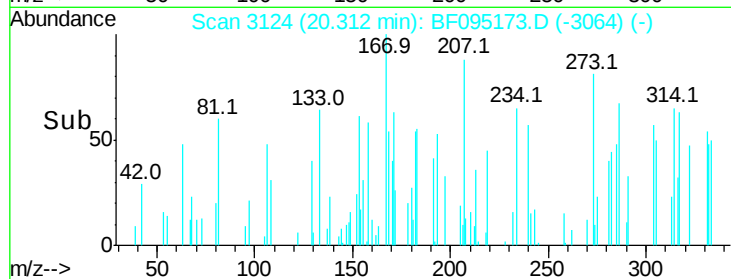
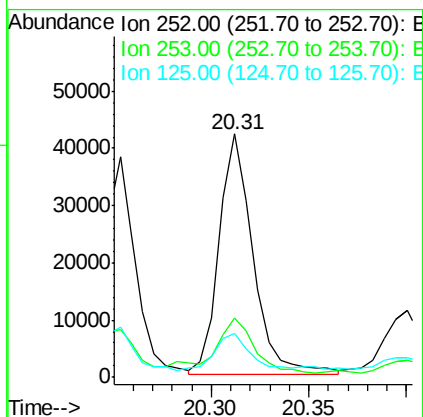
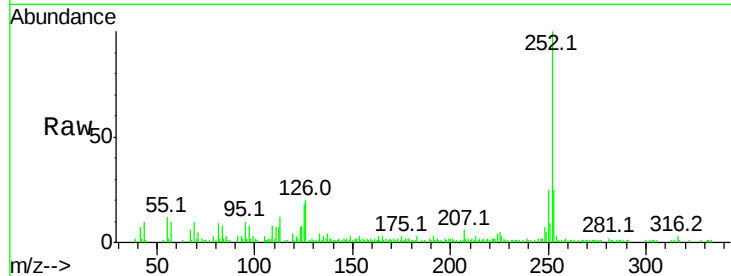




#89
Benzo(a)pyrene
Concen: 7.13 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.05 min
Lab File: BF095173.D
Acq: 17 May 2017 00:15

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	18.1	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 5.39 ng
RT: 22.10 min Scan# 3428
Delta R.T. 0.12 min
Lab File: BF095173.D
Acq: 17 May 2017 00:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.6	28.0
138	31.0	25.4	38.0

