

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051917\
 Data File : BF095303.D
 Acq On : 20 May 2017 14:10
 Operator : SJ/MA
 Sample : I3186-04 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 22 01:58:11 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	7.77	152	81829	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	339117	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	144969	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	204056	20.00	ng	0.00
75) Chrysene-d12	18.69	240	191625	20.00	ng	0.00
86) Perylene-d12	20.37	264	150498	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.81	112	33225	6.77	ng	0.07
7) Phenol-d6	7.37	99	54177	9.20	ng	0.06
23) Nitrobenzene-d5	8.70	82	35350	6.57	ng	0.03
41) 2,4,6-Tribromophenol	13.94	330	9883	8.32	ng	0.02
44) 2-Fluorobiphenyl	11.56	172	94555	9.39	ng	0.00
78) Terphenyl-d14	17.34	244	49635	5.71	ng	-0.01

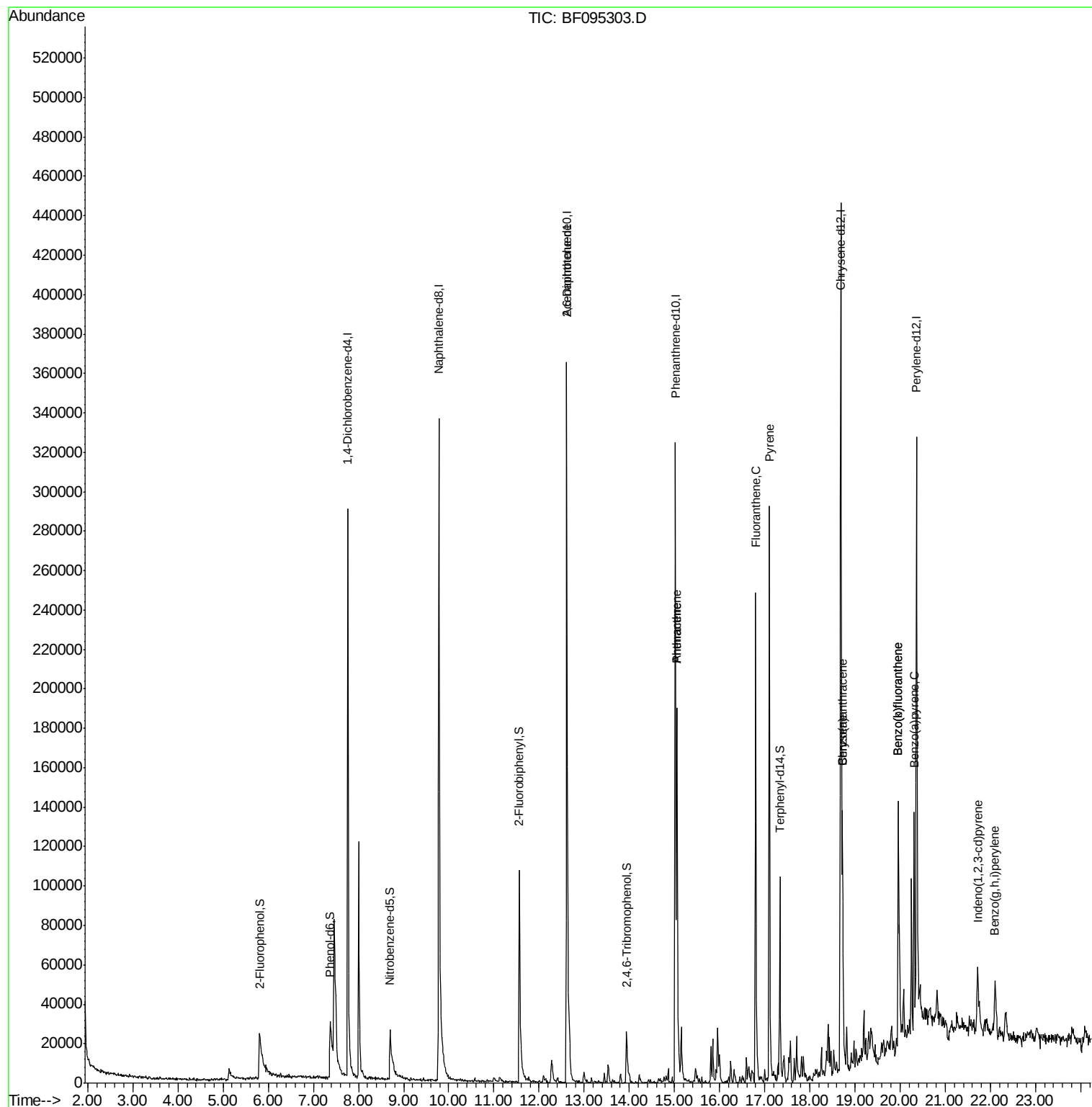
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) 2,6-Dinitrotoluene	12.61	165	14870	6.12	ng	# 31
70) Phenanthrene	15.05	178	123704	10.55	ng	99
71) Anthracene	15.05	178	123704	10.33	ng	99
74) Fluoranthene	16.80	202	164809	13.70	ng	96
77) Pyrene	17.10	202	158802	11.08	ng	94
80) Benzo(a)anthracene	18.72	228	69412	6.22	ng	97
82) Chrysene	18.72	228	69412	6.44	ng	98
85) Indeno(1,2,3-cd)pyrene	21.72	276	25943	2.96	ng	94
87) Benzo(b)fluoranthene	19.96	252	97820	10.52	ng	97
88) Benzo(k)fluoranthene	19.96	252	97820	10.90	ng	96
89) Benzo(a)pyrene	20.31	252	51864	6.04	ng	96
91) Benzo(a,h,i)perylene	22.11	276	25182	3.62	ng	# 83

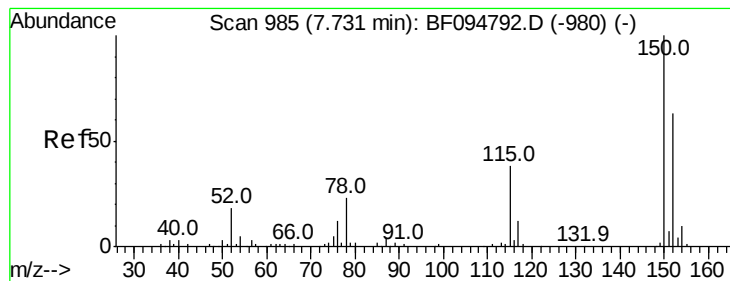
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051917\
Data File : BF095303.D
Acq On : 20 May 2017 14:10
Operator : SJ/MA
Sample : I3186-04 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: May 22 01:58:11 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



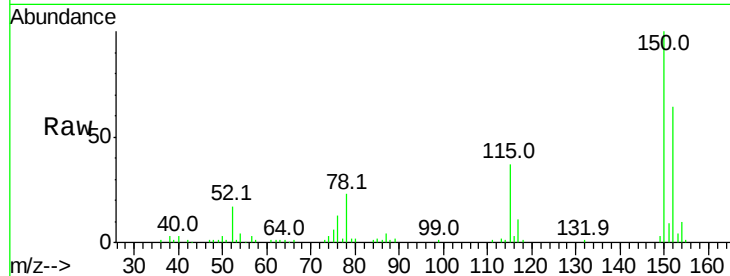


#1

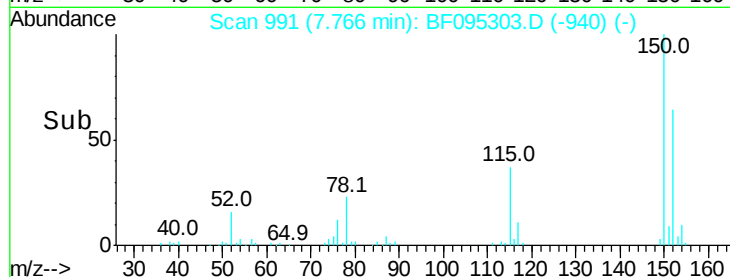
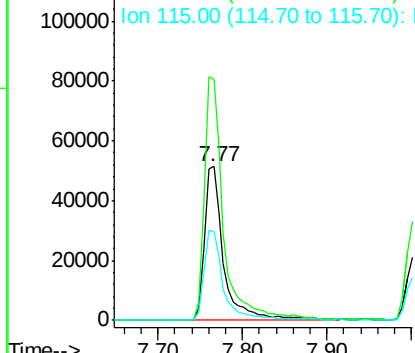
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 991
Delta R.T. 0.00 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 81829
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.2
115 58.1 52.2 78.2



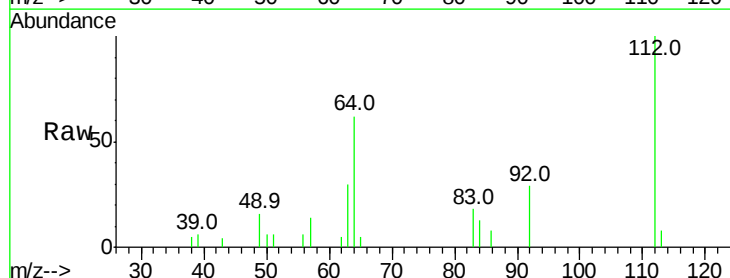
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



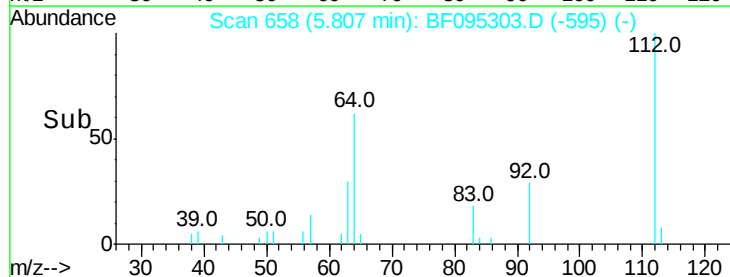
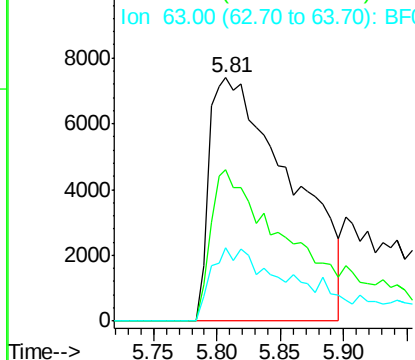
#5

2-Fluorophenol
Concen: 6.77 ng
RT: 5.81 min Scan# 658
Delta R.T. 0.07 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Tgt Ion:112 Resp: 33225
Ion Ratio Lower Upper
112 100
64 61.9 46.0 69.0
63 30.1 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: 9.20 ng

RT: 7.37 min Scan# 924

Delta R.T. 0.06 min

Lab File: BF095303.D

Acq: 20 May 2017 14:10

Instrument :

BNA_F

ClientSampled :

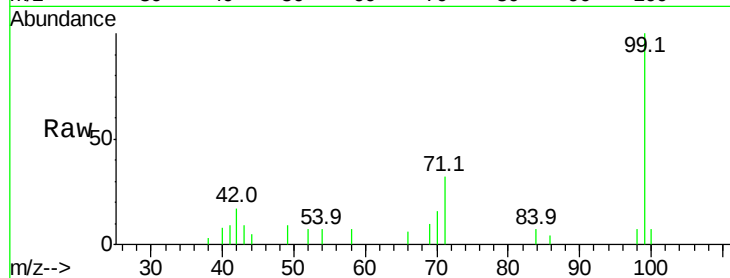
Tot Ion: 99 Resp: 54177

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

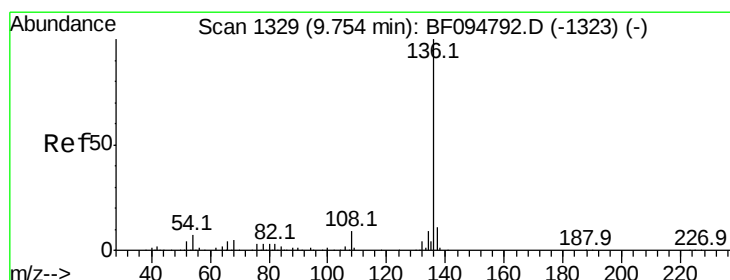
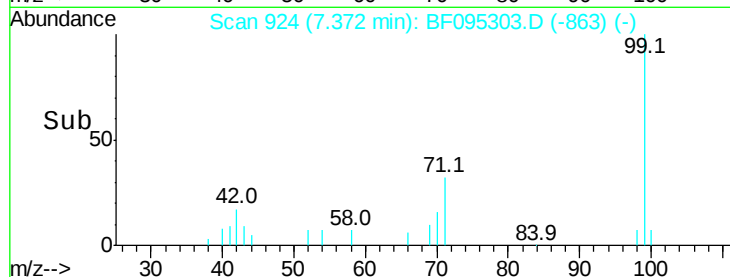
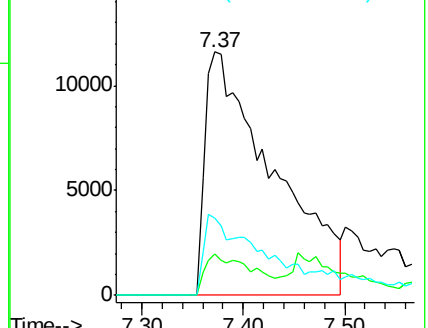
71 31.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF095303.D

Acq: 20 May 2017 14:10

Tgt Ion: 136 Resp: 339117

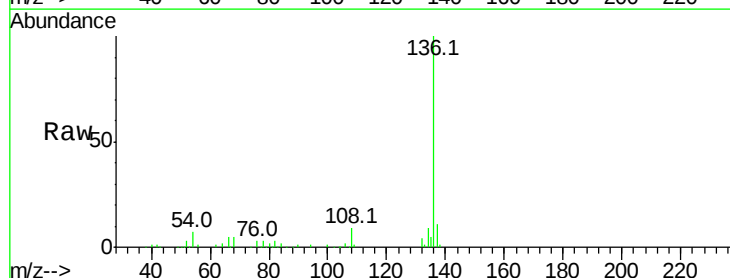
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.6 4.9 7.3

68 5.4 4.1 6.1

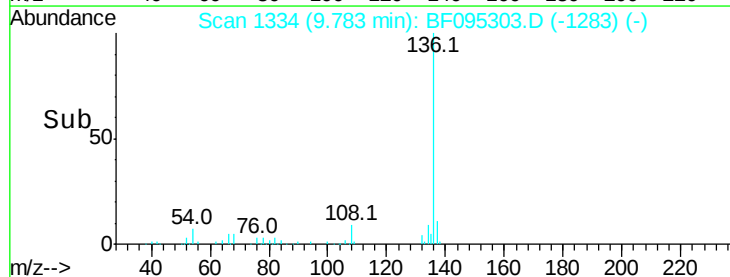
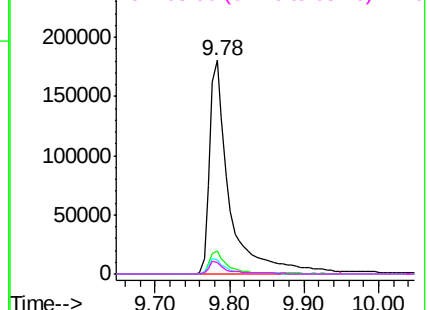


Abundance Ion 136.00 (135.70 to 136.70): E

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

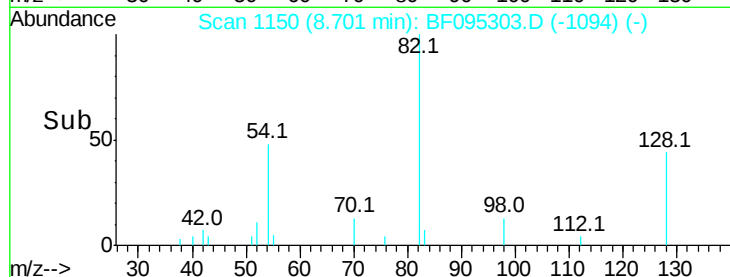
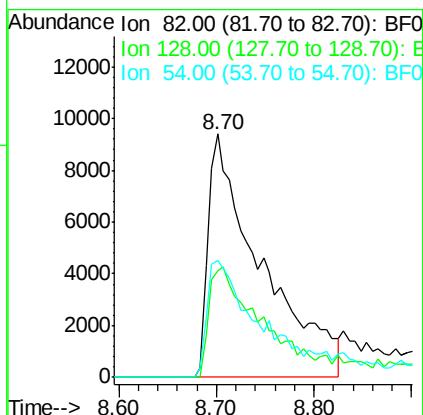
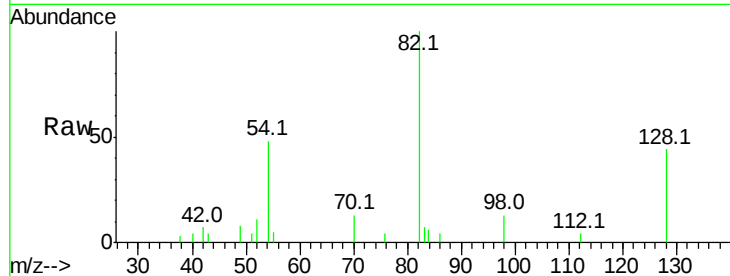




#23
Nitrobenzene-d5
Concen: 6.57 ng
RT: 8.70 min Scan# 1150
Delta R.T. 0.03 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

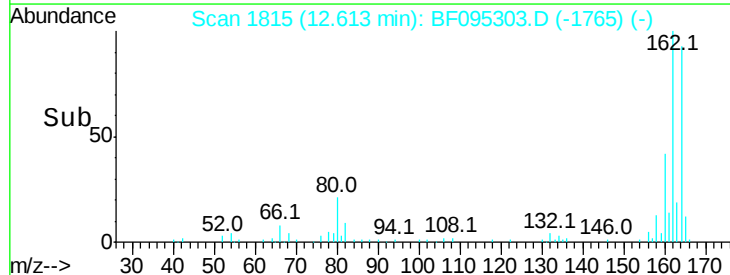
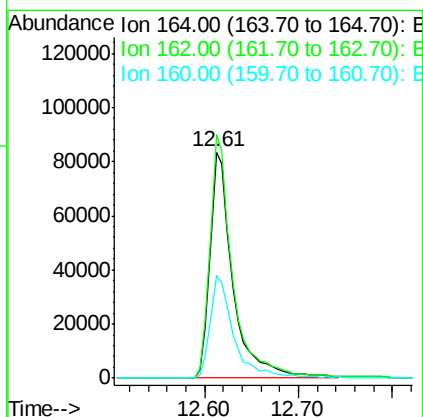
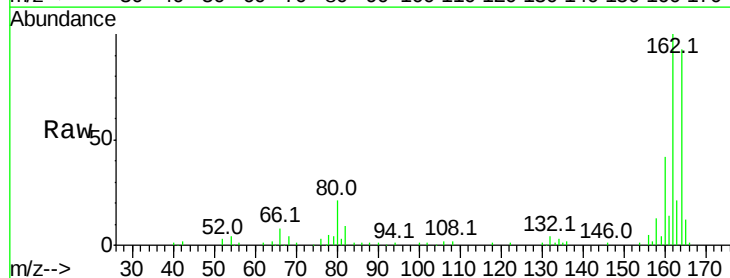
Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	35350
Ion Ratio	Lower	Upper	
82	100		
128	43.8	34.0	51.0
54	47.9	42.2	63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Tgt Ion	164	Resp	144969
Ion Ratio	Lower	Upper	
164	100		
162	107.7	82.6	123.8
160	45.6	36.2	54.2

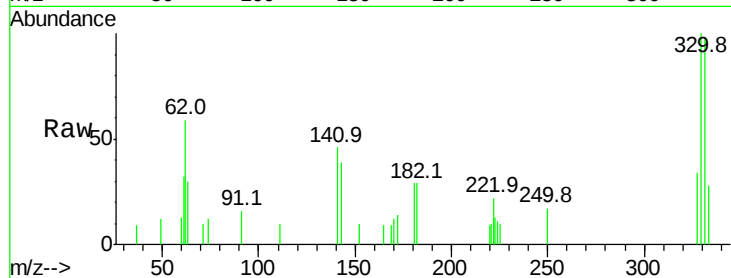




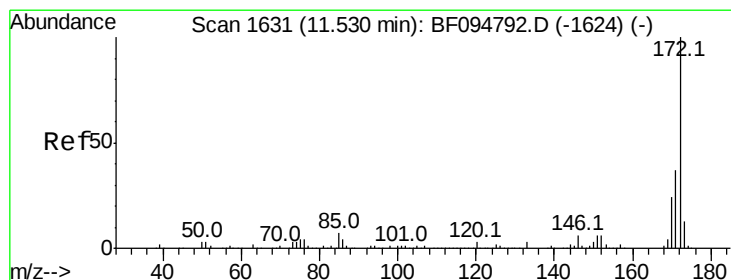
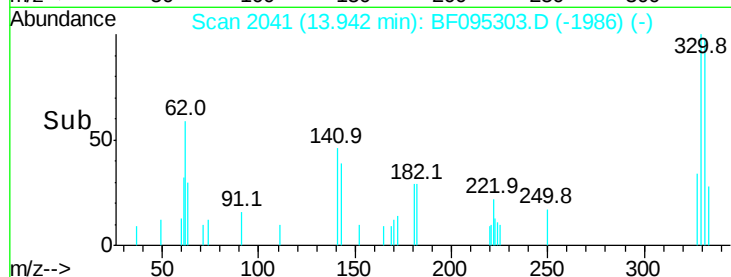
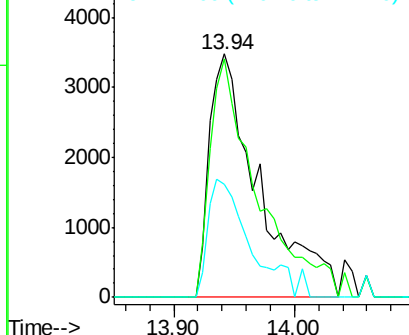
#41
 2,4,6-Tribromophenol
 Concen: 8.32 ng
 RT: 13.94 min Scan# 2041
 Delta R.T. 0.02 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 9883
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 115.0
 141 41.5 31.4 47.2

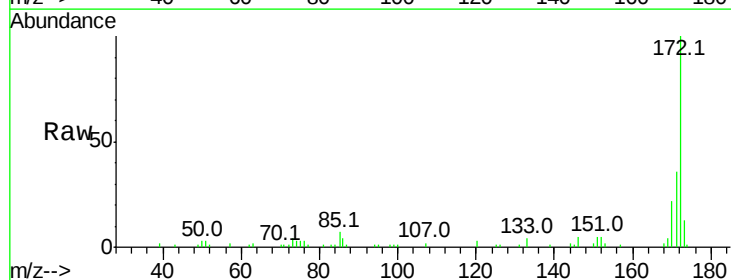


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

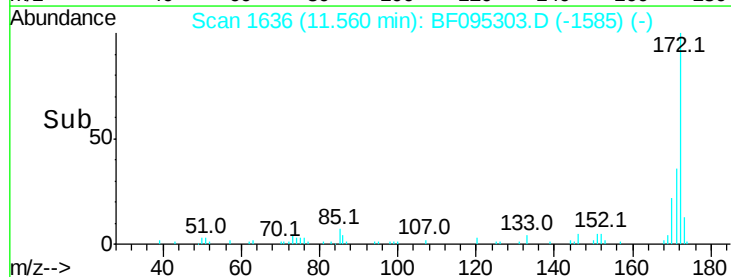
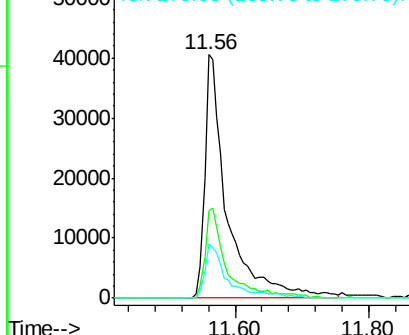


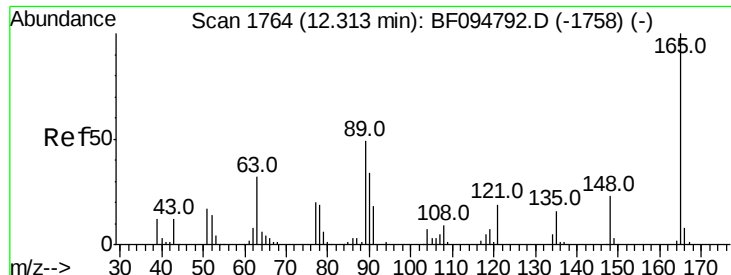
#44
 2-Fluorobiphenyl
 Concen: 9.39 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Tgt Ion:172 Resp: 94555
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 22.4 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

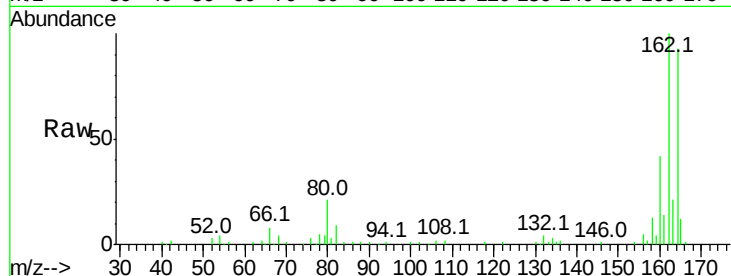




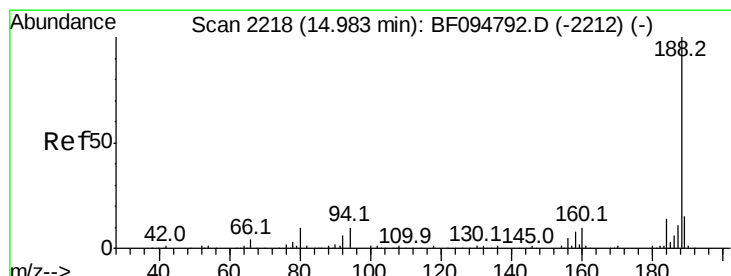
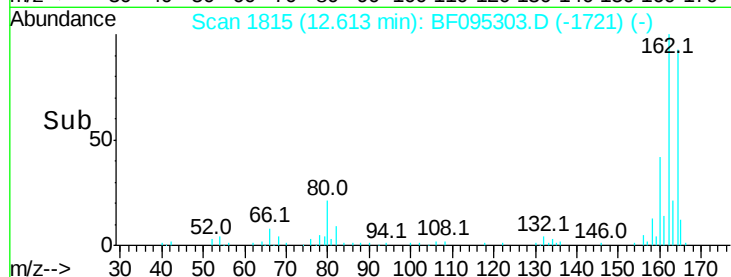
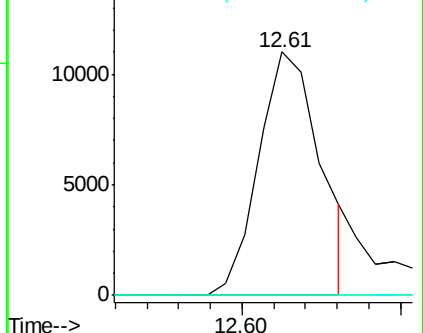
#50
 2,6-Dinitrotoluene
 Concen: 6.12 ng
 RT: 12.61 min Scan# 1815
 Delta R.T. 0.25 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Instrument :
 BNA_F
 ClientSampleId :

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

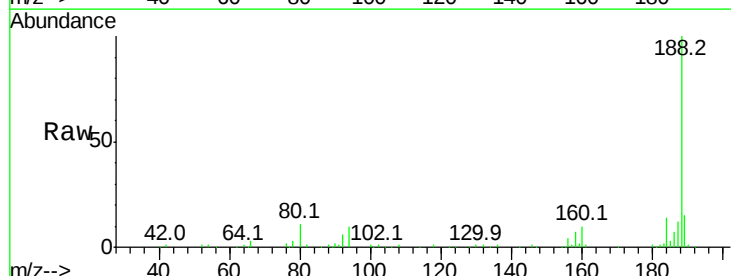


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

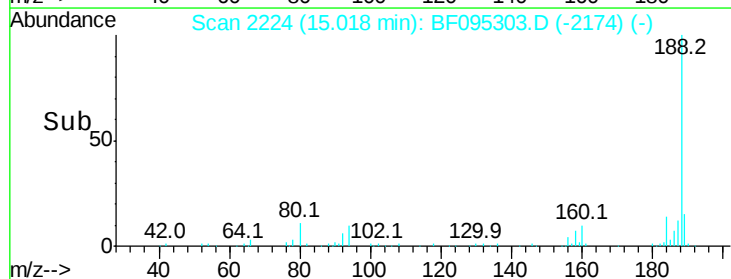
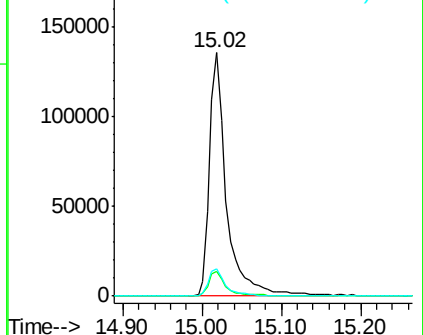


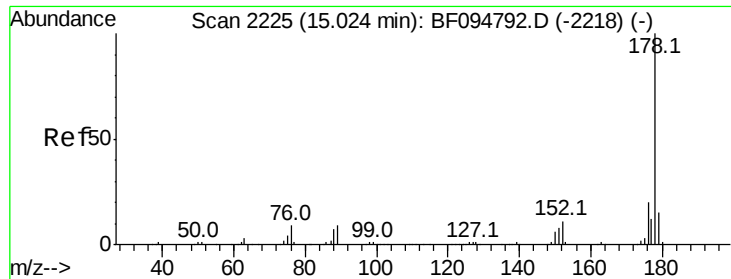
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	11.2	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

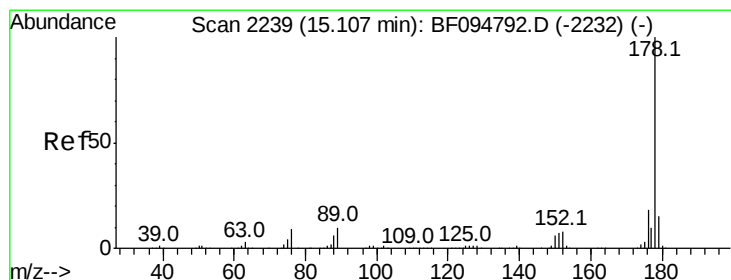
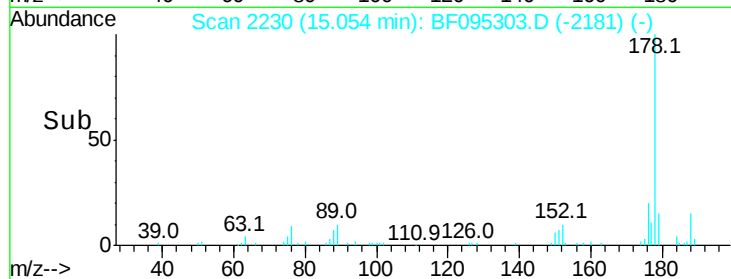
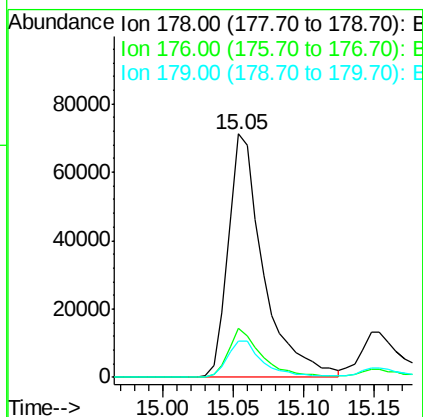
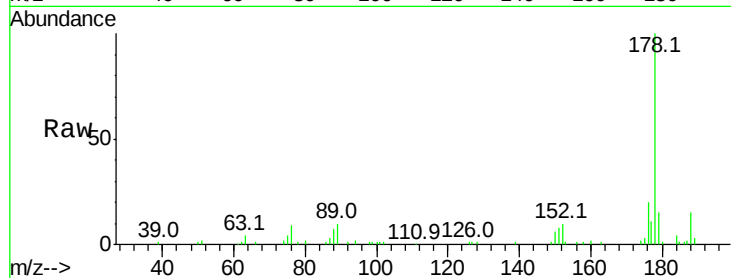




#70
Phenanthrene
Concen: 10.55 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

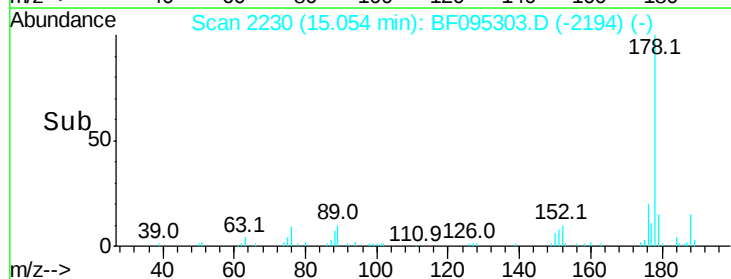
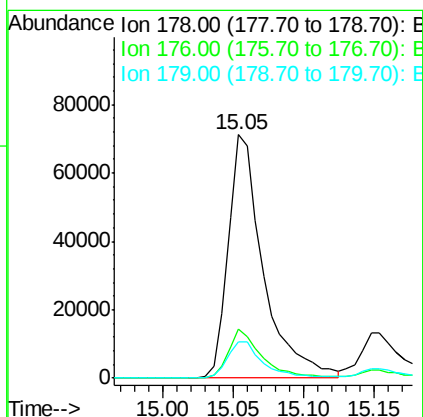
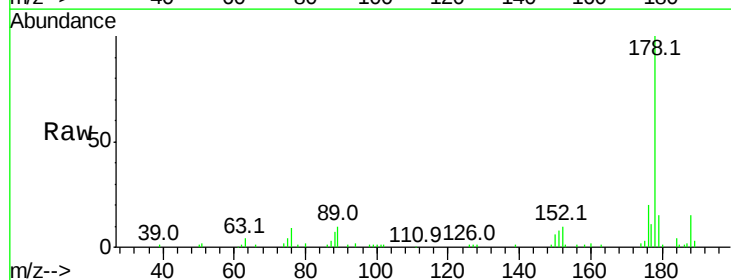
Instrument :
BNA_F
ClientSampled :

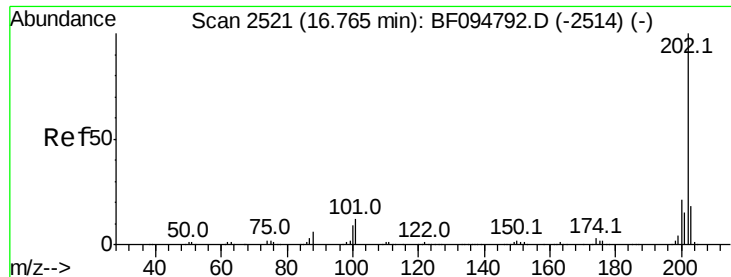
Tot Ion:178 Resp: 123704
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 15.0 12.6 19.0



#71
Anthracene
Concen: 10.33 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.09 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Tgt Ion:178 Resp: 123704
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.0 12.7 19.1

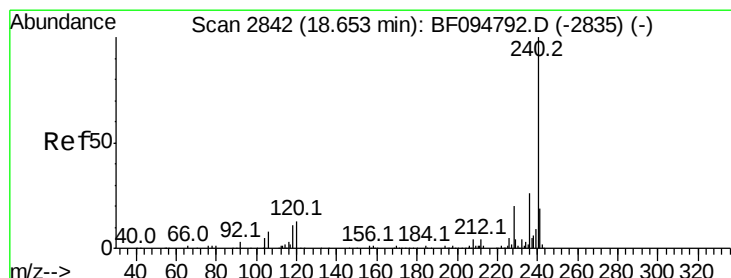
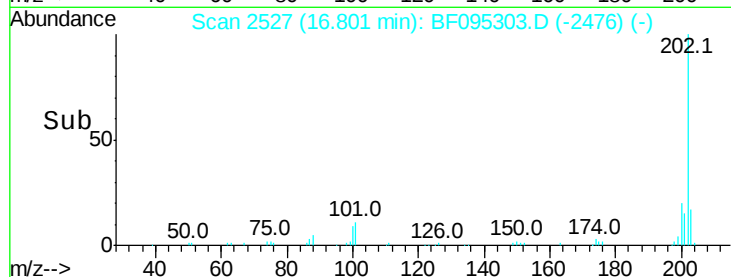
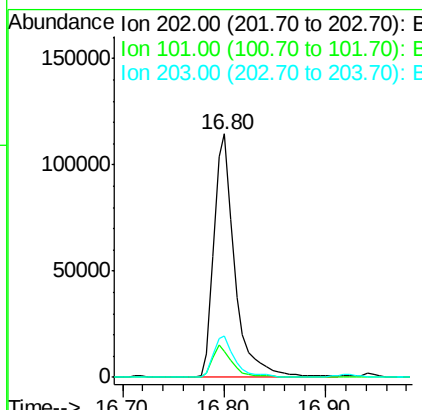
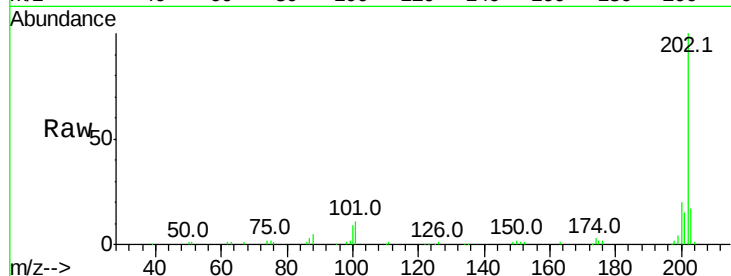




#74
Fluoranthene
 Concen: 13.70 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

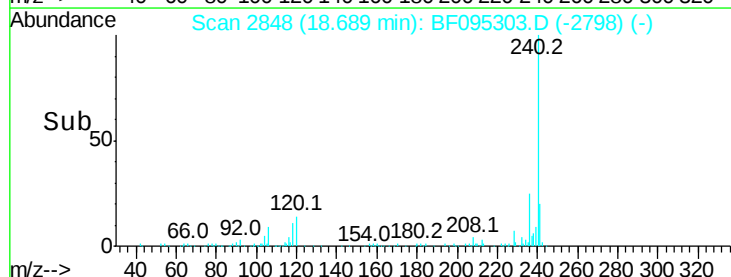
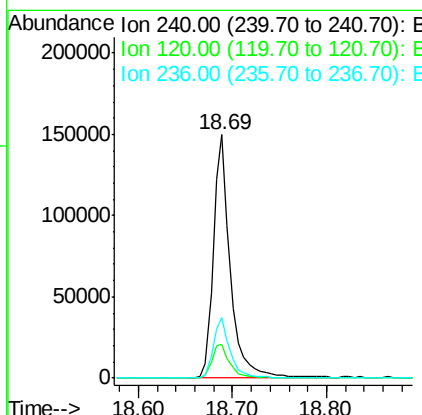
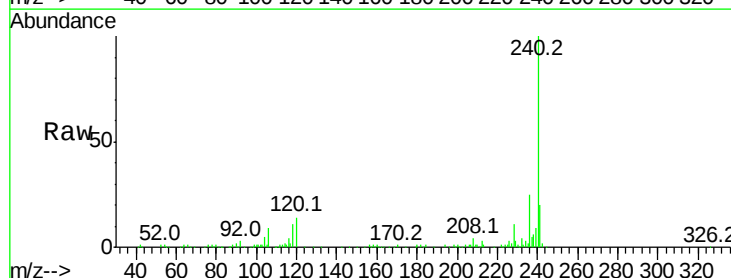
Instrument :
 BNA_F
 ClientSampleId :

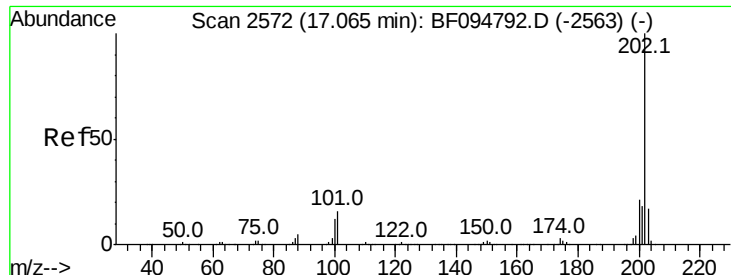
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	33.2
203	16.9	0.0	38.1



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	24.6	20.5	30.7





#77

Pvrene

Concen: 11.08 ng

RT: 17.10 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095303.D

Acq: 20 May 2017 14:10

Instrument :

BNA_F

ClientSampleId :

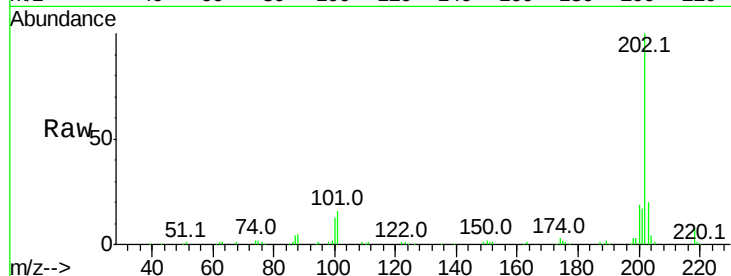
Tot Ion:202 Resp: 158802

Ion Ratio Lower Upper

202 100

200 19.2 17.6 26.4

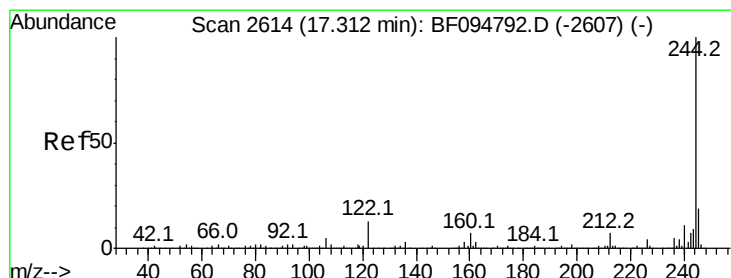
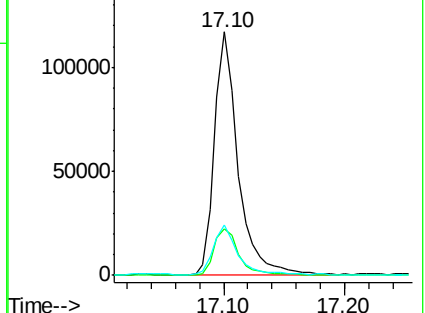
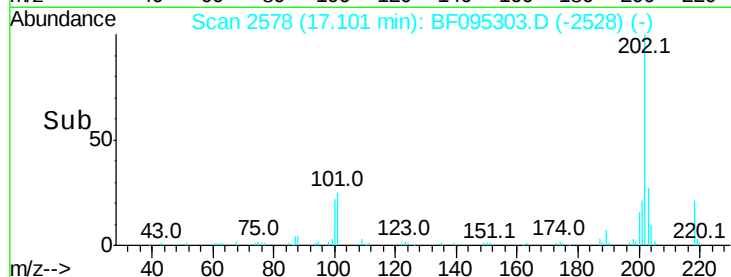
203 20.4 14.4 21.6



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: 5.71 ng

RT: 17.34 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BF095303.D

Acq: 20 May 2017 14:10

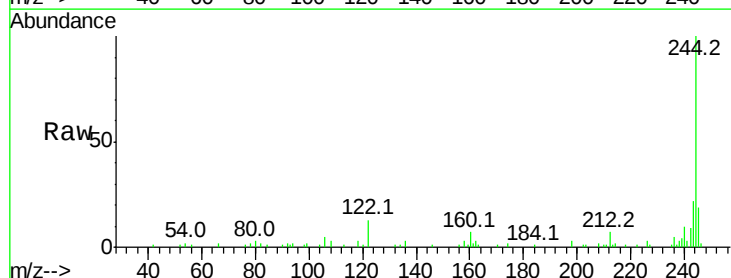
Tgt Ion:244 Resp: 49635

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

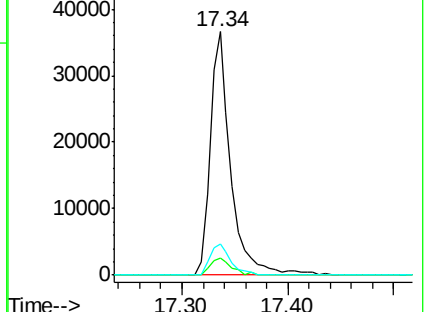
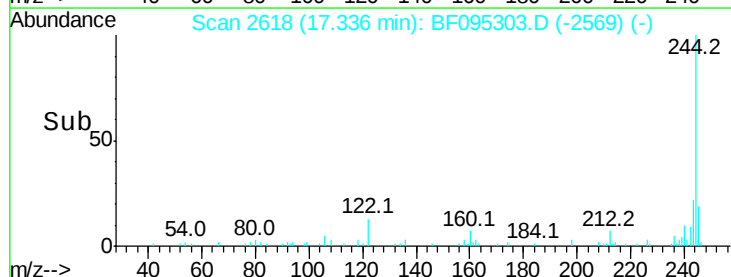
122 12.9 10.3 15.5

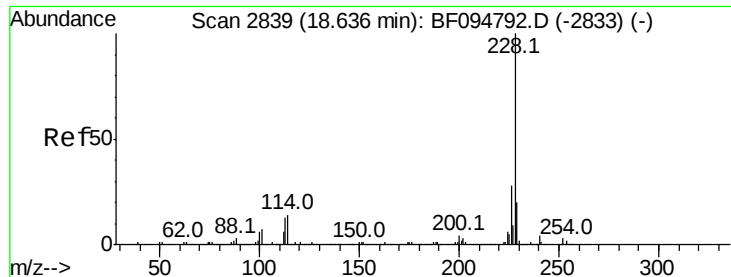


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.22 ng

RT: 18.72 min Scan# 2853

Delta R.T. 0.04 min

Lab File: BF095303.D

Acq: 20 May 2017 14:10

Instrument :

BNA_F

ClientSampleId :

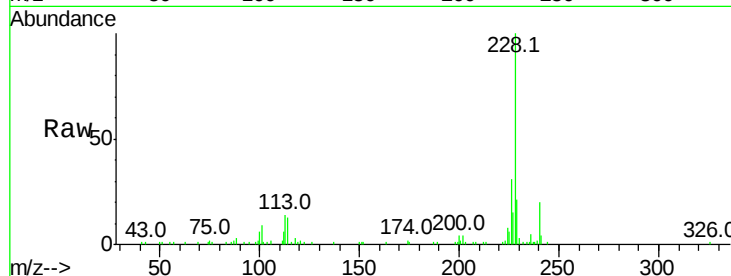
Tot Ion:228 Resp: 69412

Ion Ratio Lower Upper

228 100

226 30.7 22.6 33.8

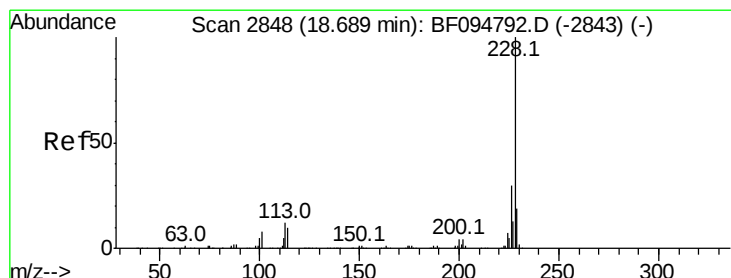
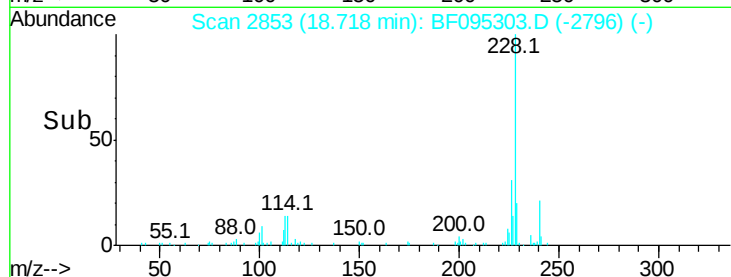
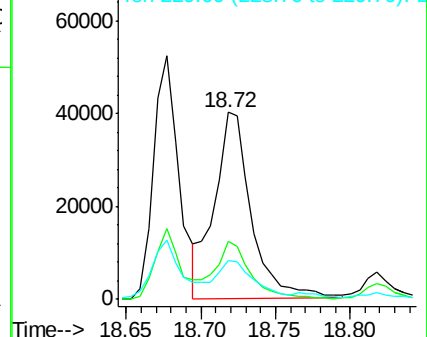
229 21.0 16.3 24.5



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: 6.44 ng

RT: 18.72 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF095303.D

Acq: 20 May 2017 14:10

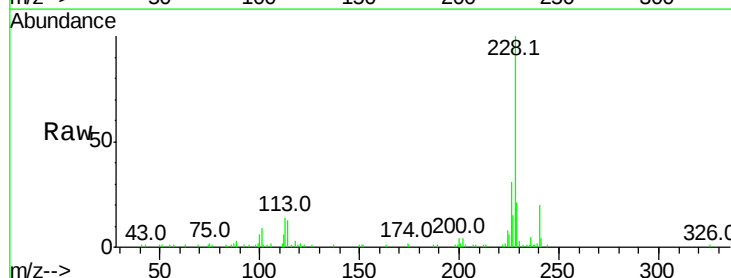
Tgt Ion:228 Resp: 69412

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

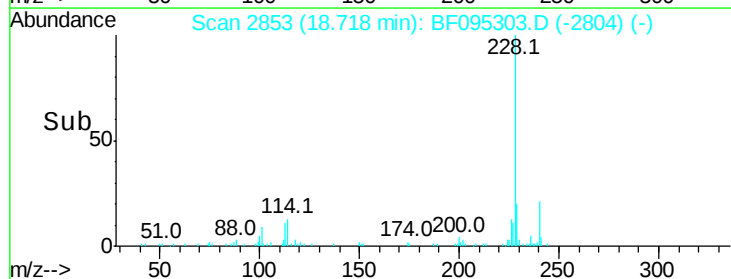
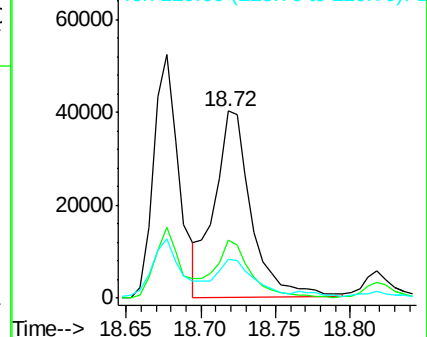
229 21.0 15.8 23.6

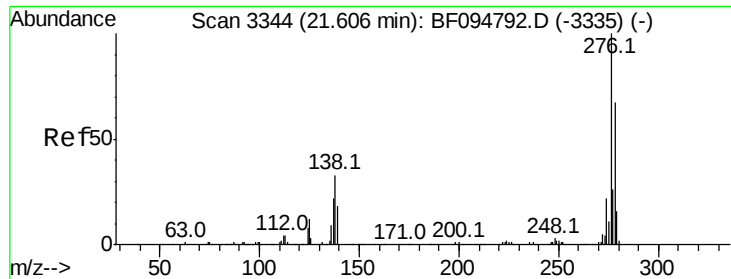


Abundance Ion 228.00 (227.70 to 228.70): E

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: 2.96 ng

RT: 21.72 min Scan# 3363

Delta R.T. 0.02 min

Lab File: BF095303.D

Acq: 20 May 2017 14:10

Instrument :

BNA_F

ClientSampleId :

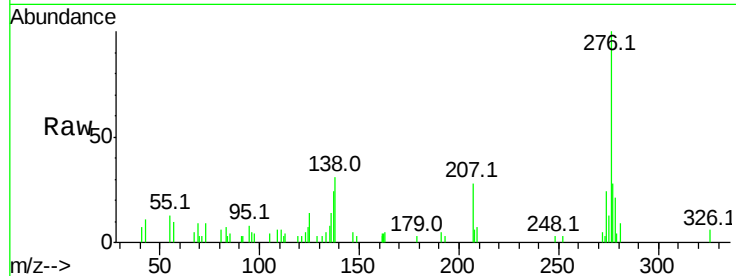
Tot Ion:276 Resp: 25943

Ion Ratio Lower Upper

276 100

138 39.5 27.8 41.6

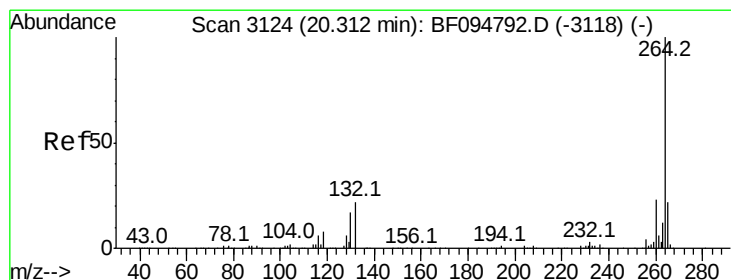
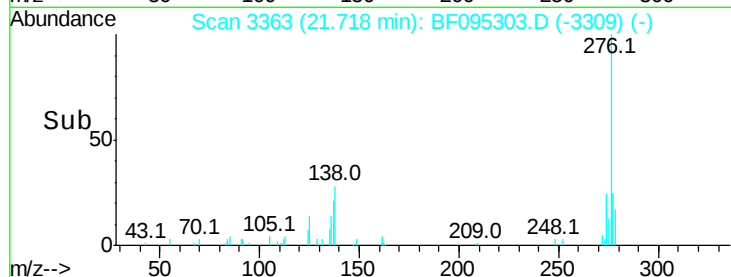
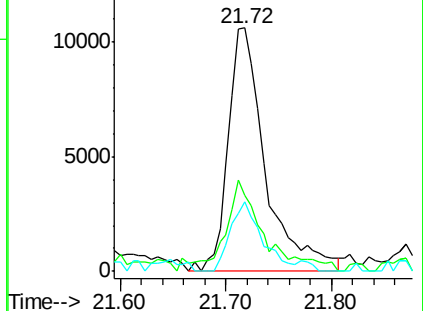
277 24.2 20.2 30.4



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: 20.37 min Scan# 3133

Delta R.T. 0.00 min

Lab File: BF095303.D

Acq: 20 May 2017 14:10

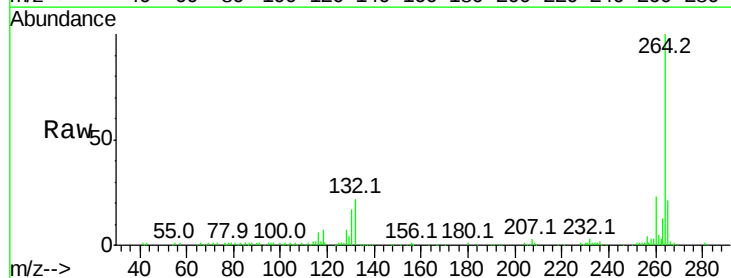
Tgt Ion:264 Resp: 150498

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

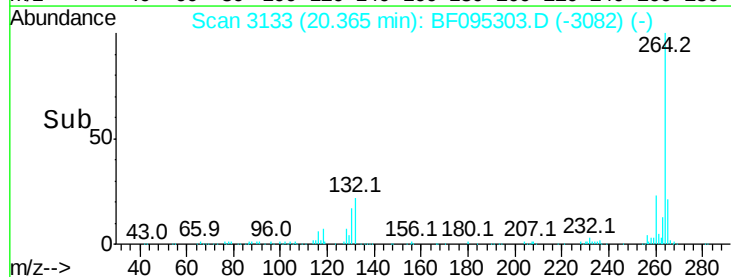
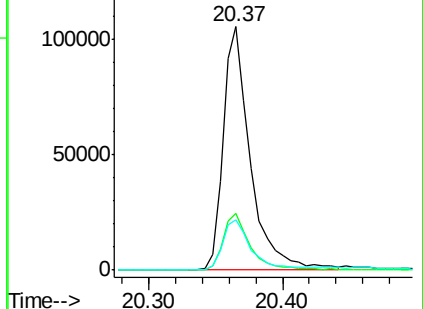
265 20.6 17.2 25.8

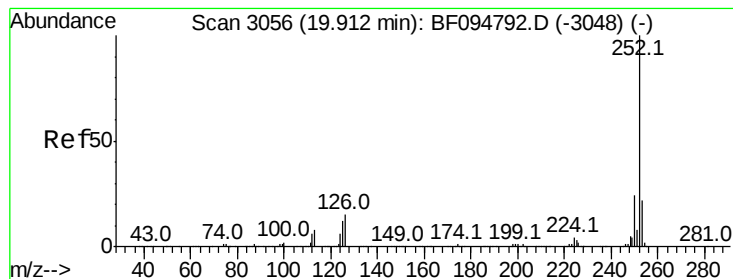


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.52 ng

RT: 19.96 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BF095303.D

Acq: 20 May 2017 14:10

Instrument :

BNA_F

ClientSampleId :

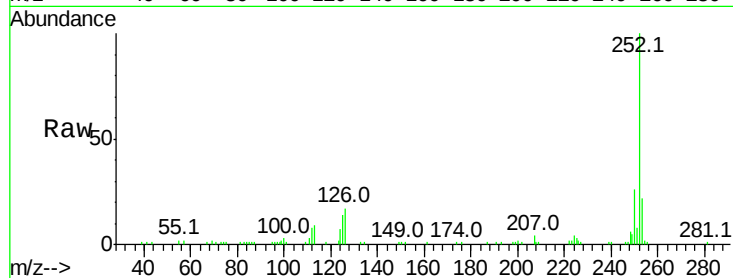
Tot Ion:252 Resp: 97820

Ion Ratio Lower Upper

252 100

253 21.5 18.1 27.1

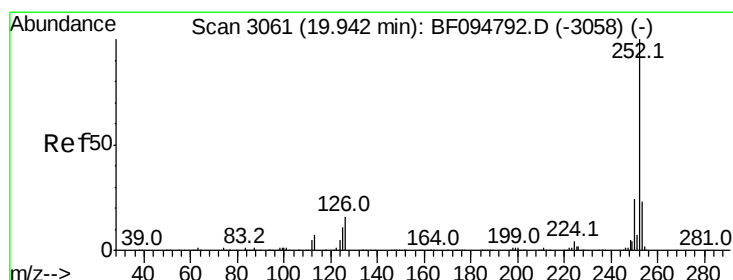
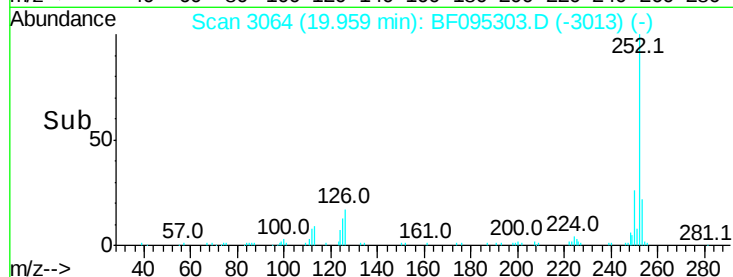
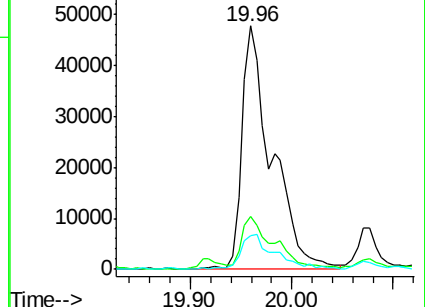
125 13.8 9.8 14.8



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: 10.90 ng

RT: 19.96 min Scan# 3064

Delta R.T. -0.03 min

Lab File: BF095303.D

Acq: 20 May 2017 14:10

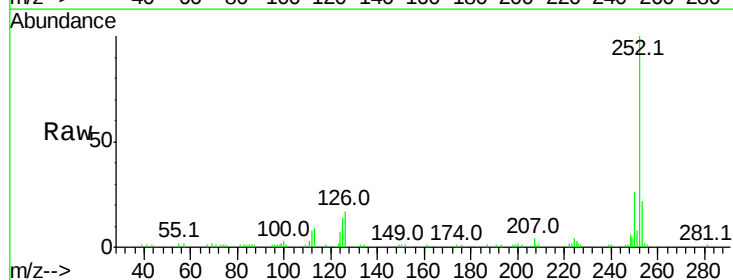
Tgt Ion:252 Resp: 97820

Ion Ratio Lower Upper

252 100

253 21.5 18.4 27.6

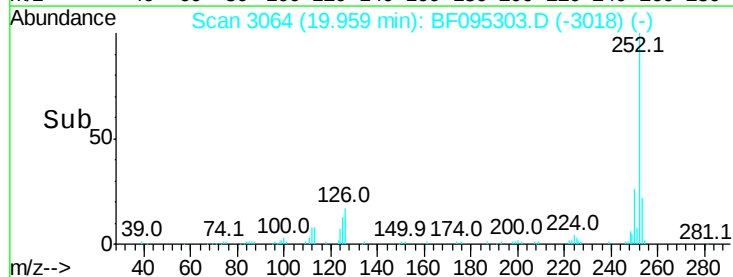
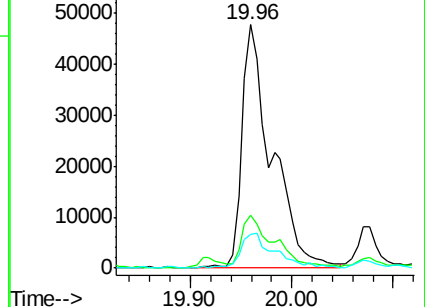
125 13.8 13.1 19.7

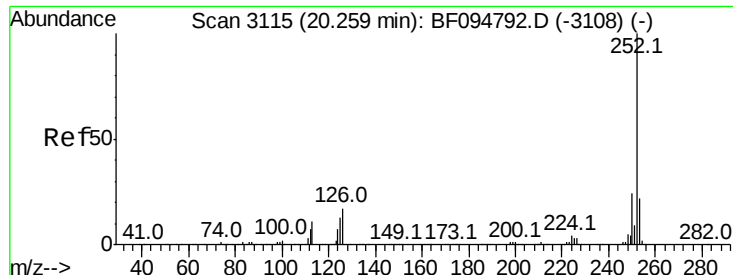


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

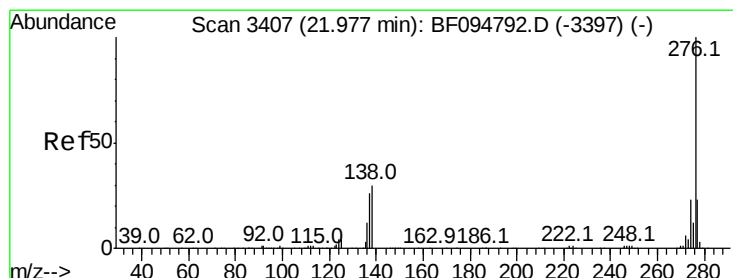
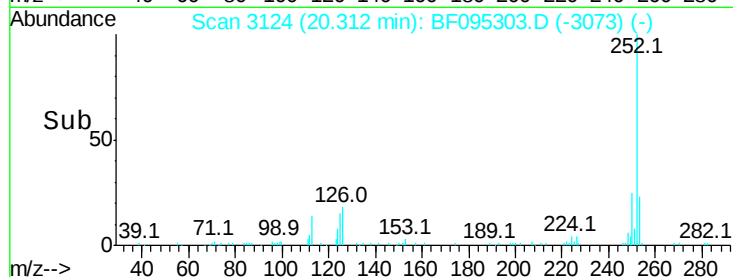
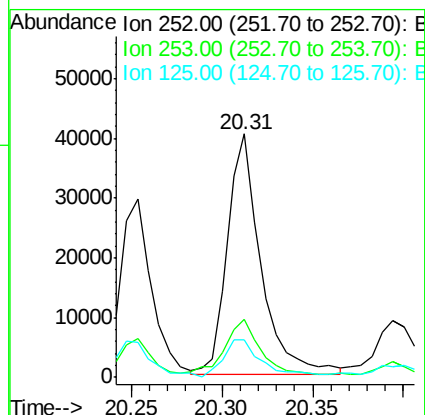
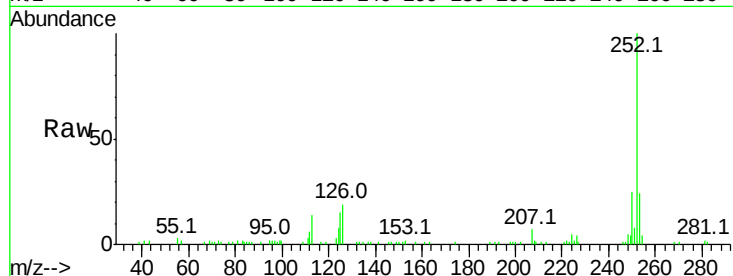




#89
Benzo(a)pyrene
Concen: 6.04 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 51864
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 15.4 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 3.62 ng
RT: 22.11 min Scan# 3429
Delta R.T. 0.02 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Tgt Ion:276 Resp: 25182
Ion Ratio Lower Upper
276 100
277 24.5 18.6 28.0
138 46.6 25.4 38.0#

