

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051917\
 Data File : BF095299.D
 Acq On : 20 May 2017 12:02
 Operator : SJ/MA
 Sample : I3203-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 22 01:56:38 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

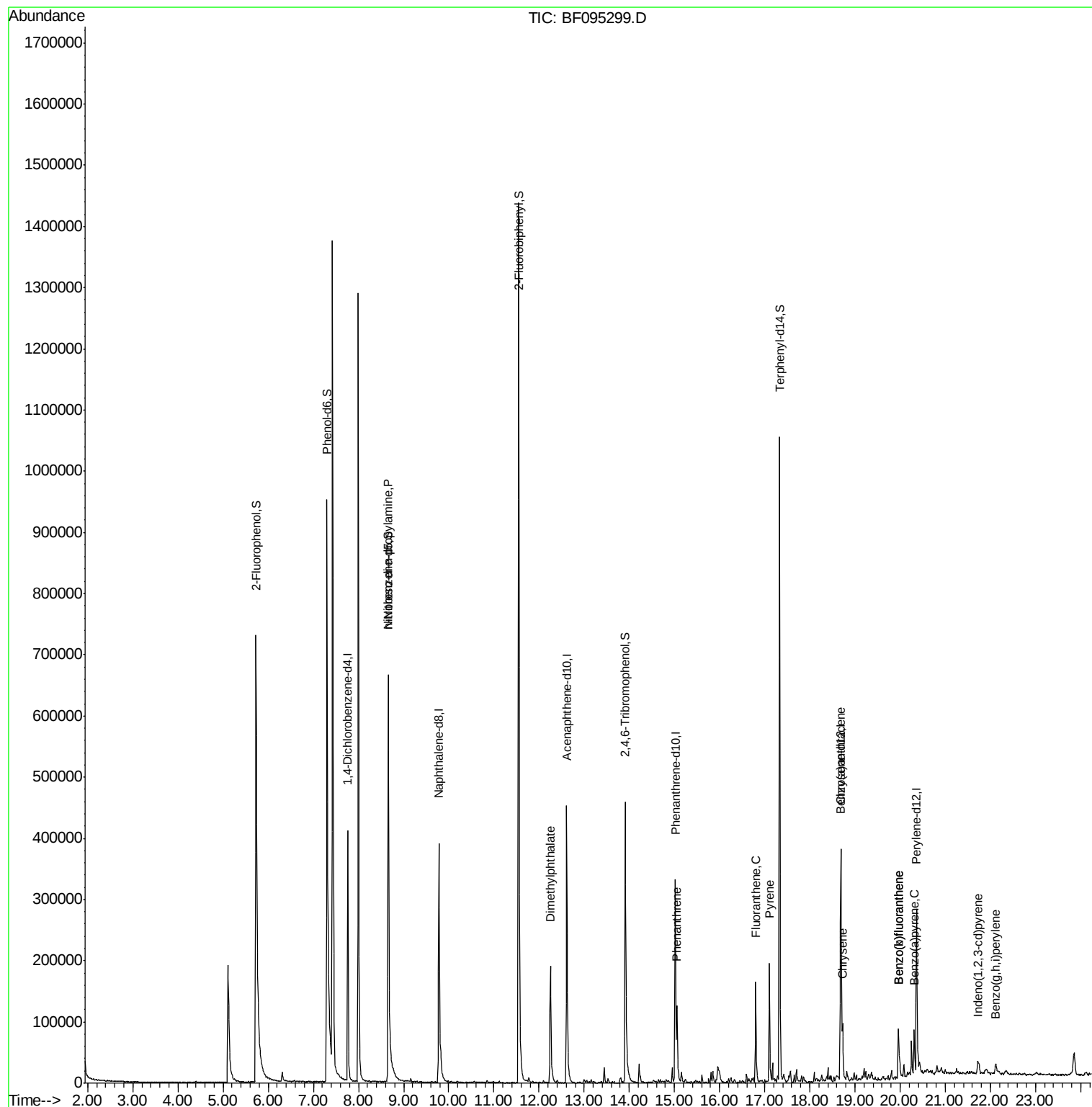
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	94859	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	375936	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	151050	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	208367	20.00	ng	0.00
75) Chrysene-d12	18.69	240	180274	20.00	ng	0.00
86) Perylene-d12	20.37	264	145172	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.73	112	577043	101.42	ng	0.00
7) Phenol-d6	7.30	99	749947	109.85	ng	-0.01
23) Nitrobenzene-d5	8.66	82	434140	72.82	ng	-0.01
41) 2,4,6-Tribromophenol	13.91	330	107092	86.57	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	756928	72.13	ng	-0.01
78) Terphenyl-d14	17.33	244	406592	49.68	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.66	70	51990	11.26	ng	# 73
49) Dimethylphthalate	12.25	163	174331	14.06	ng	98
70) Phenanthrene	15.06	178	79750	6.66	ng	97
74) Fluoranthene	16.80	202	109462	8.91	ng	97
77) Pyrene	17.10	202	103365	7.67	ng	97
80) Benzo(a)anthracene	18.68	228	45625	4.35	ng	96
82) Chrysene	18.72	228	54112	5.33	ng	95
85) Indeno(1,2,3-cd)pyrene	21.72	276	17526	2.13	ng	96
87) Benzo(b)fluoranthene	19.97	252	66083	7.37	ng	# 95
88) Benzo(k)fluoranthene	19.97	252	66083	7.64	ng	100
89) Benzo(a)pyrene	20.31	252	35588	4.30	ng	97
91) Benzo(a,h,i)perylene	22.12	276	16277	2.43	ng	# 91

(#) = 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: BF095299.D

Acq: 20 May 2017 12:02

Instrument :

BNA_F

ClientSampleId :

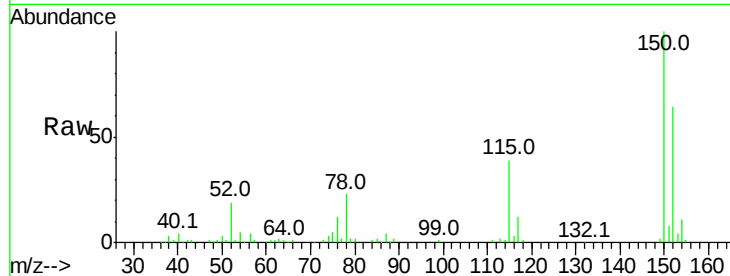
Tot Ion:152 Resp: 94859

Ion Ratio Lower Upper

152 100

150 156.0 126.2 189.2

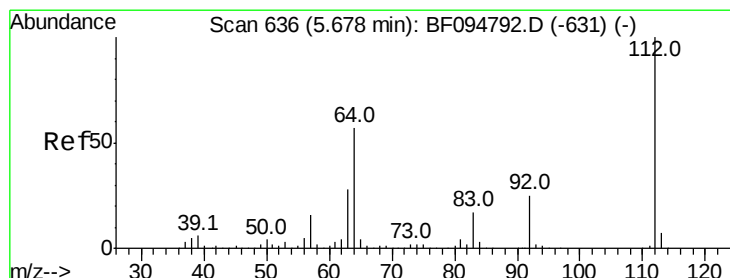
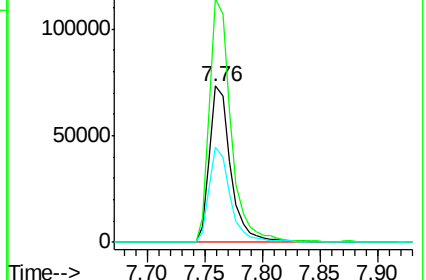
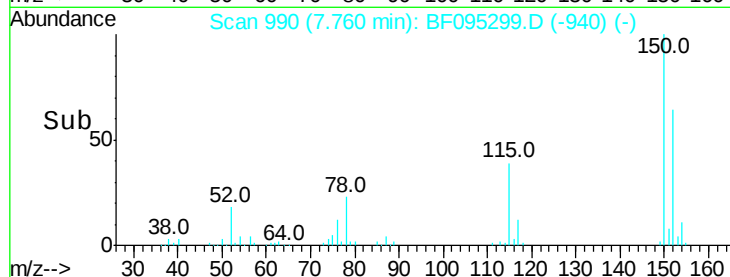
115 60.7 52.2 78.2



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: 101.42 ng

RT: 5.73 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF095299.D

Acq: 20 May 2017 12:02

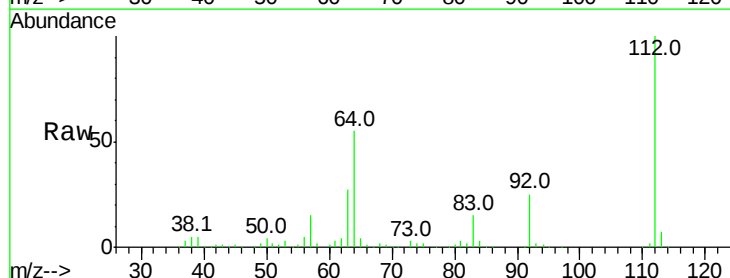
Tgt Ion:112 Resp: 577043

Ion Ratio Lower Upper

112 100

64 55.2 46.0 69.0

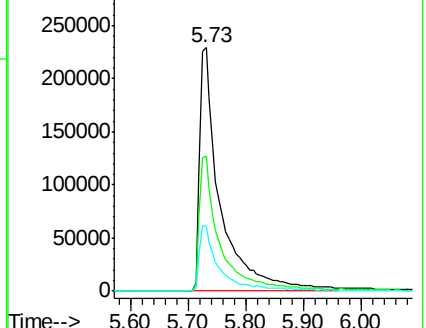
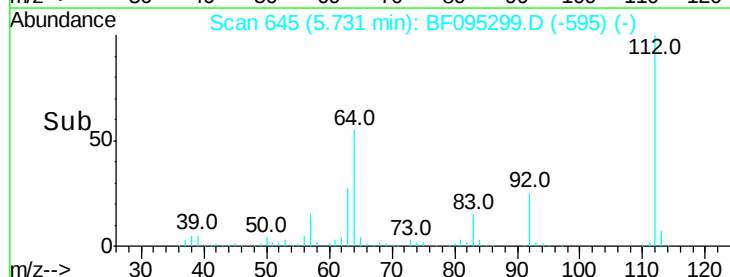
63 26.6 23.4 35.0



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: 109.85 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095299.D

Acq: 20 May 2017 12:02

Instrument :

BNA_F

ClientSampled :

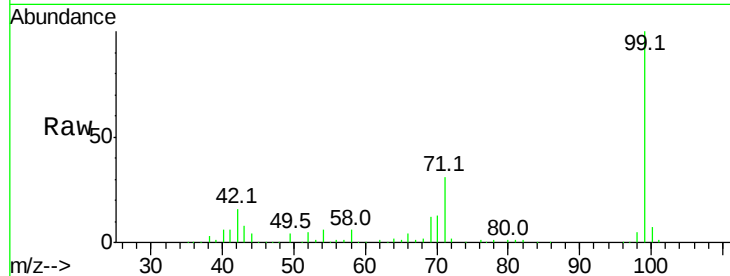
Tot Ion: 99 Resp: 749947

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

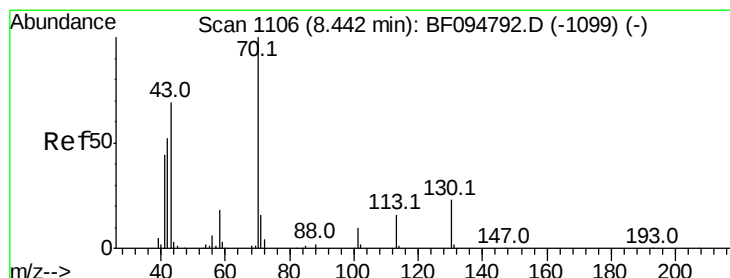
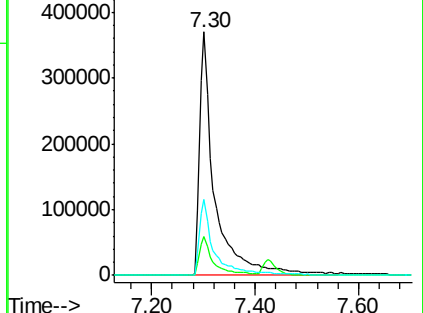
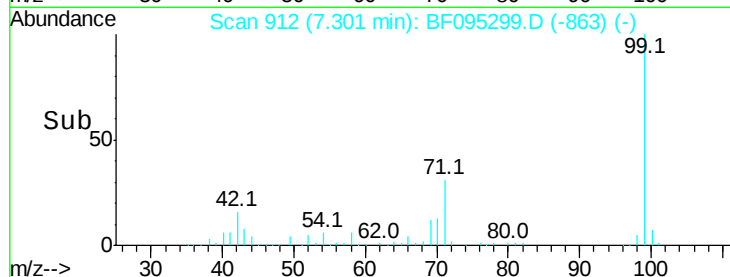
71 31.2 24.5 36.7



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: 11.26 ng

RT: 8.66 min Scan# 1143

Delta R.T. 0.18 min

Lab File: BF095299.D

Acq: 20 May 2017 12:02

Tgt Ion: 70 Resp: 51990

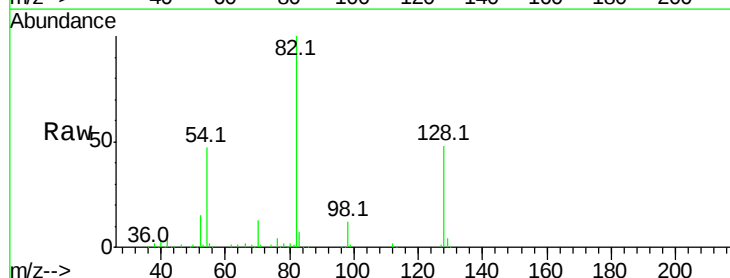
Ion Ratio Lower Upper

70 100

42 41.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

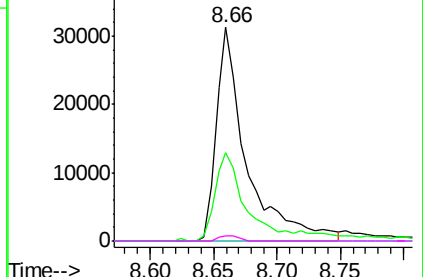
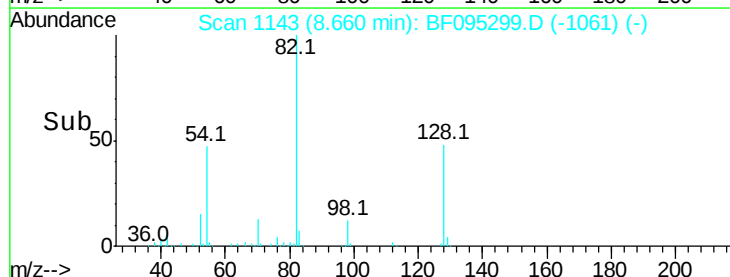


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.78 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF095299.D

Acq: 20 May 2017 12:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 375936

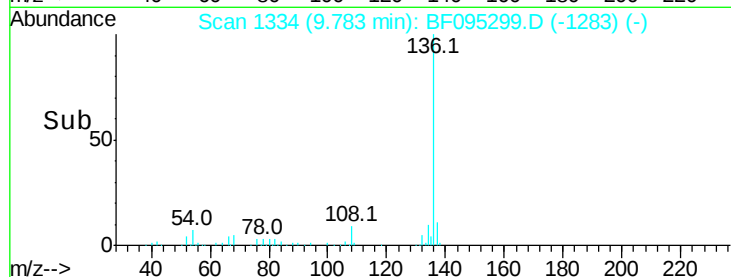
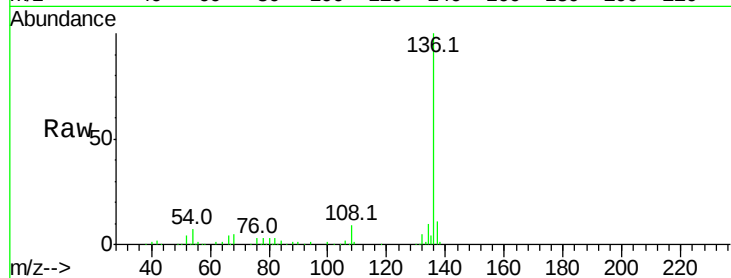
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.0 4.9 7.3

68 5.0 4.1 6.1



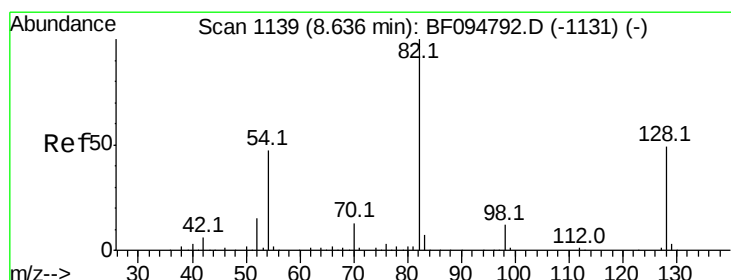
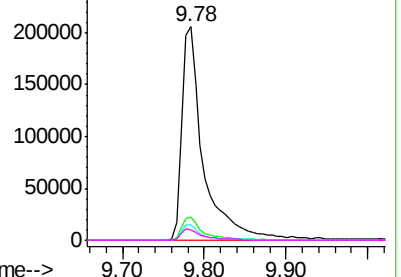
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time-->



#23

Nitrobenzene-d5

Concen: 72.82 ng

RT: 8.66 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF095299.D

Acq: 20 May 2017 12:02

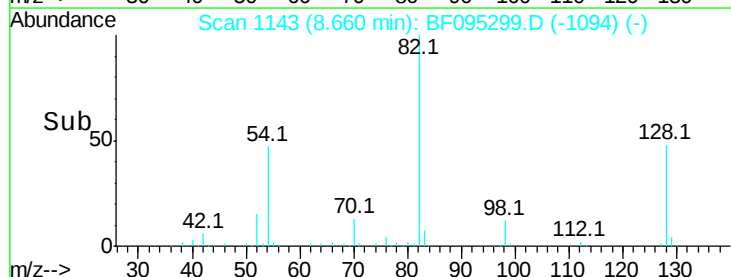
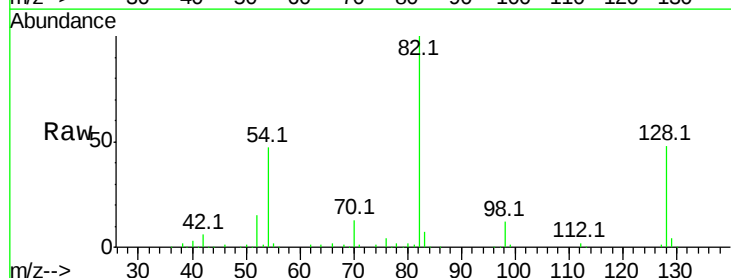
Tgt Ion: 82 Resp: 434140

Ion Ratio Lower Upper

82 100

128 48.2 34.0 51.0

54 47.2 42.2 63.2

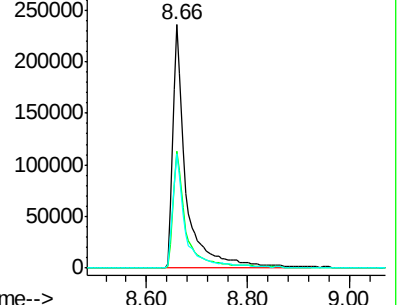


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.61 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF095299.D

Acq: 20 May 2017 12:02

Instrument :

BNA_F

ClientSampleId :

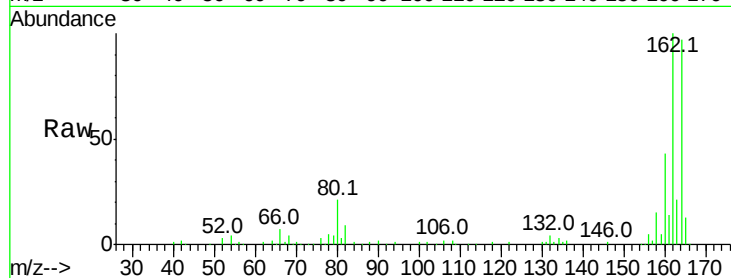
Tot Ion:164 Resp: 151050

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

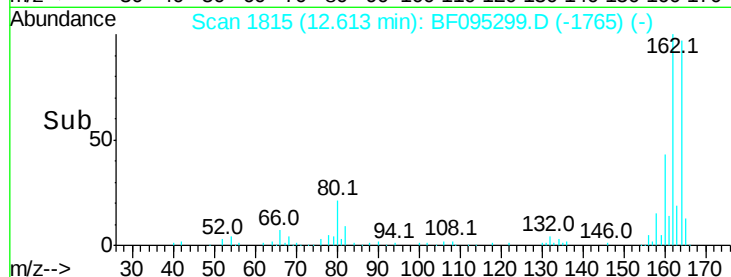
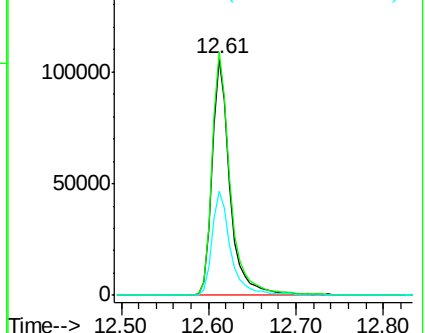
160 43.9 36.2 54.2



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: 86.57 ng

RT: 13.91 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF095299.D

Acq: 20 May 2017 12:02

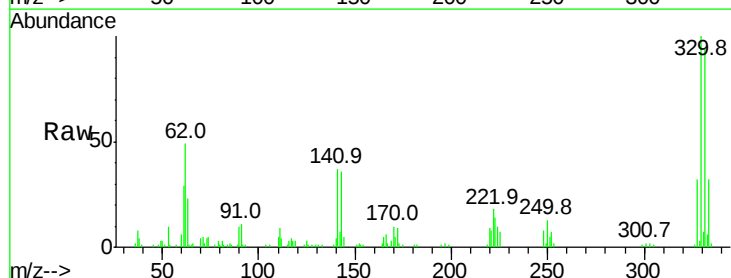
Tgt Ion:330 Resp: 107092

Ion Ratio Lower Upper

330 100

332 94.5 76.6 115.0

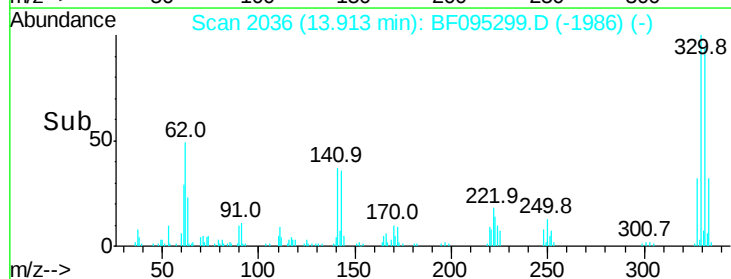
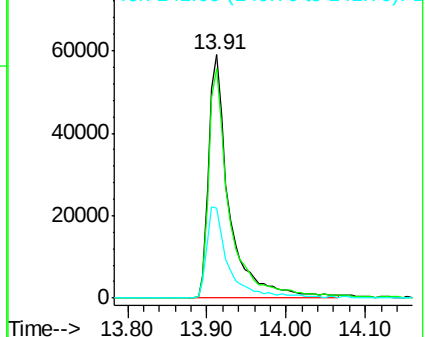
141 39.2 31.4 47.2



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

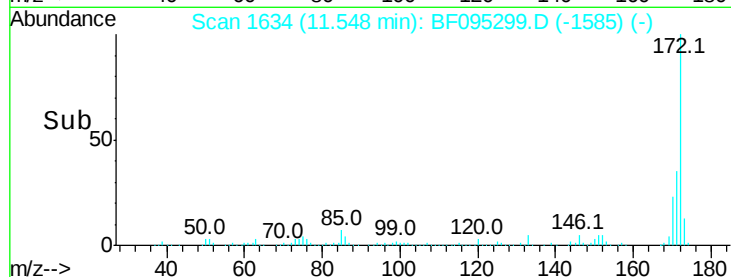
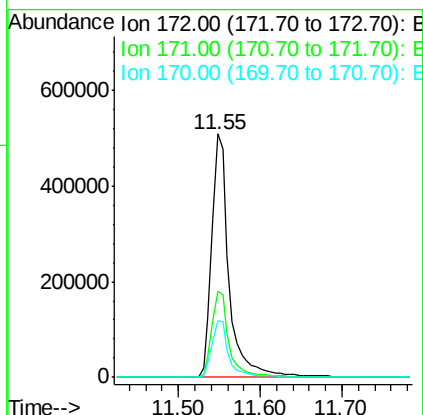
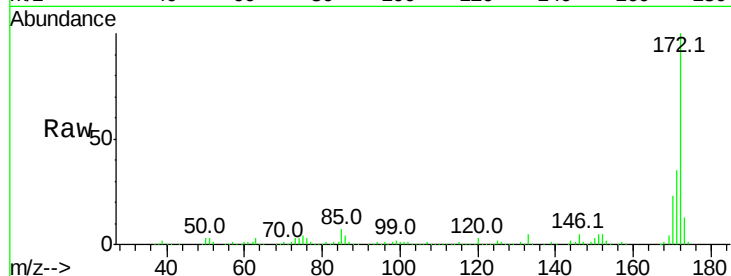




#44
2-Fluorobiphenyl
Concen: 72.13 ng
RT: 11.55 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BF095299.D
Acq: 20 May 2017 12:02

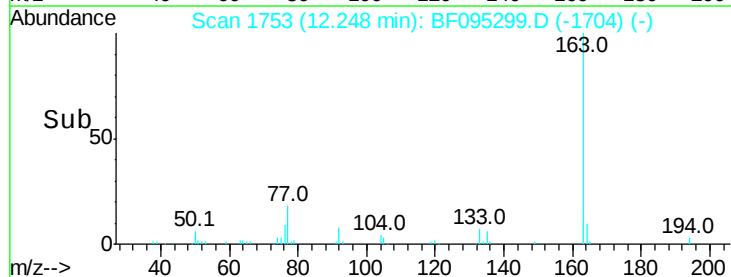
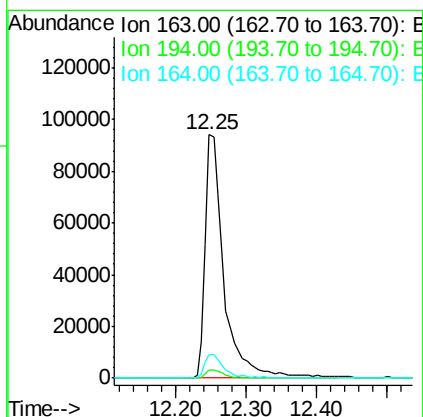
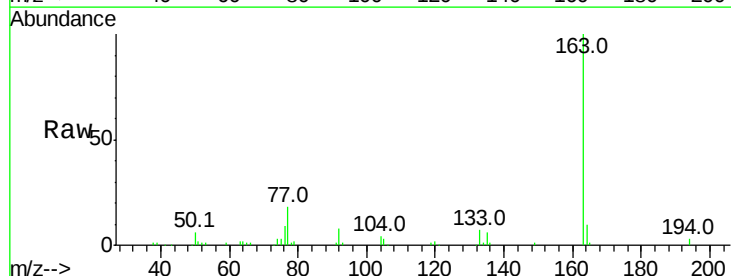
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 756928
Ion Ratio Lower Upper
172 100
171 35.3 29.6 44.4
170 23.1 19.8 29.8



#49
Dimethylphthalate
Concen: 14.06 ng
RT: 12.25 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF095299.D
Acq: 20 May 2017 12:02

Tgt Ion:163 Resp: 174331
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.8 8.4 12.6

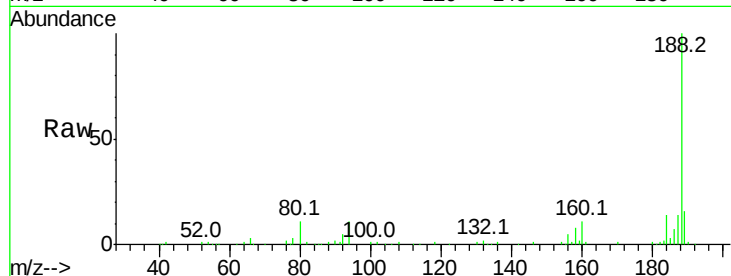




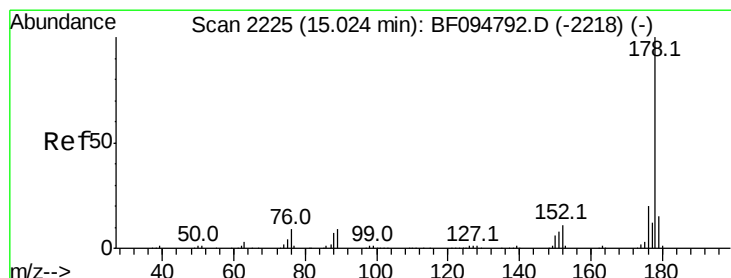
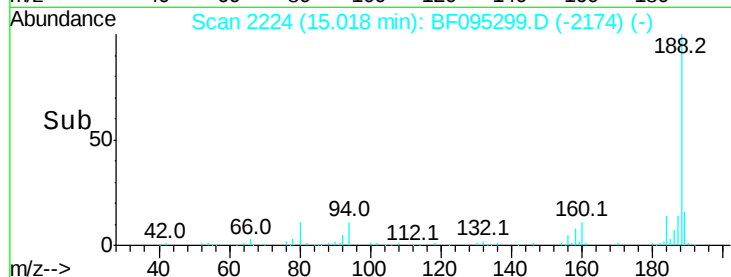
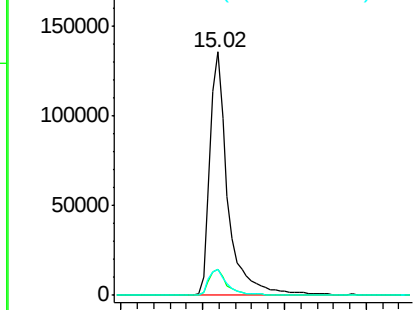
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF095299.D
 Acq: 20 May 2017 12:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 208367
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.4 14.2
 80 10.9 10.2 15.2

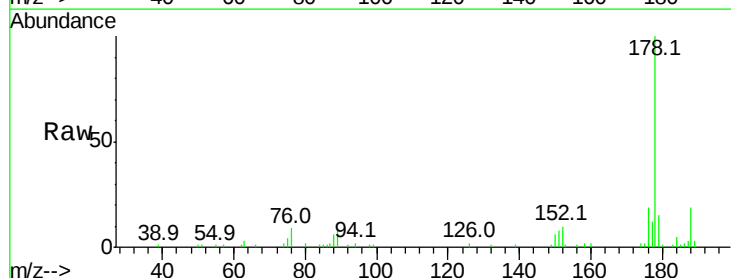


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

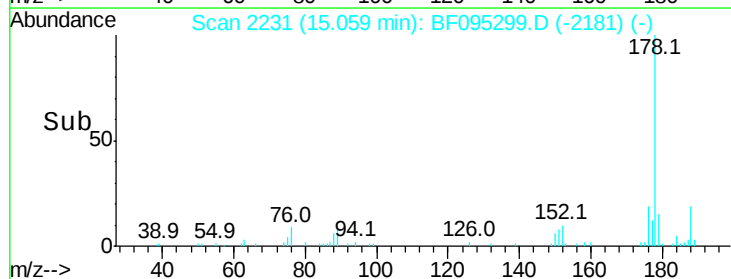
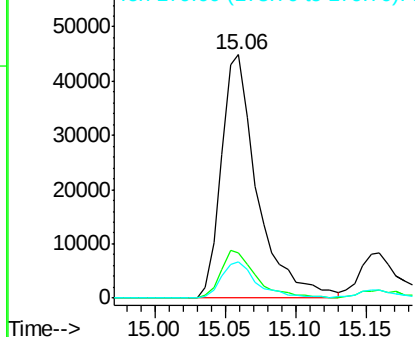


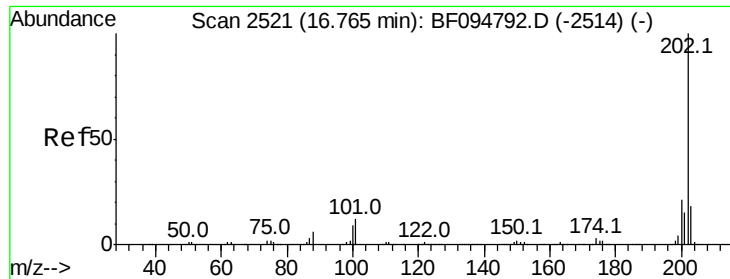
#70
 Phenanthrene
 Concen: 6.66 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. -0.01 min
 Lab File: BF095299.D
 Acq: 20 May 2017 12:02

Tgt Ion:178 Resp: 79750
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.2 24.4
 179 15.1 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

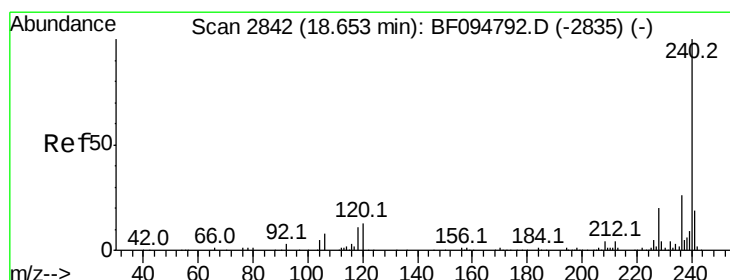
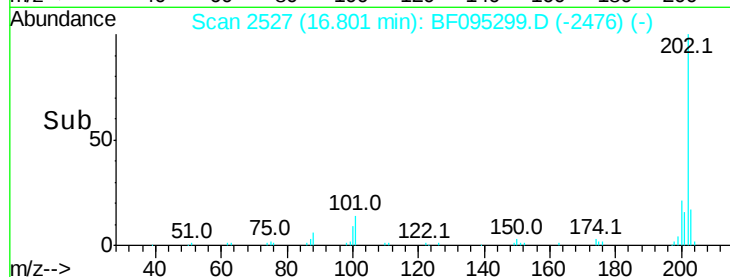
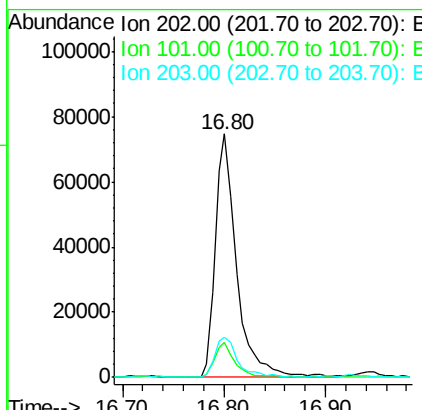
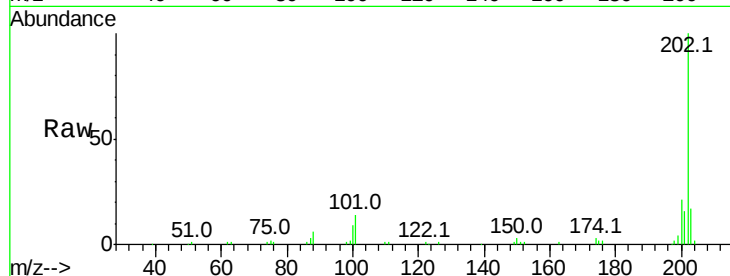




#74
 Fluoranthene
 Concen: 8.91 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BF095299.D
 Acq: 20 May 2017 12:02

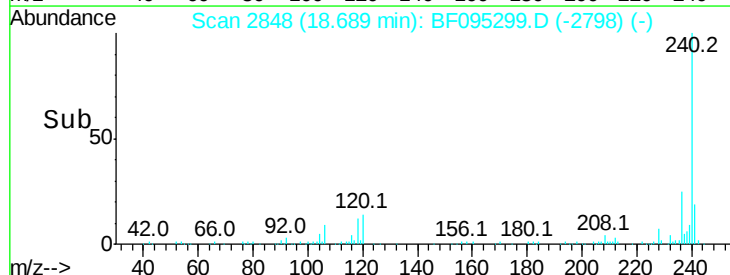
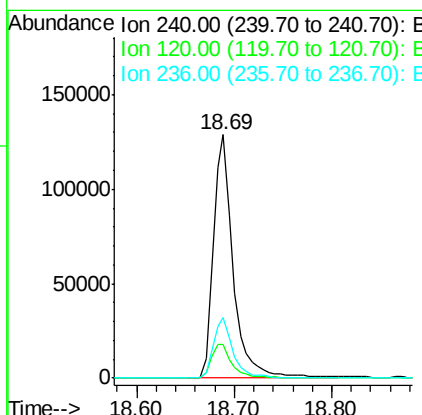
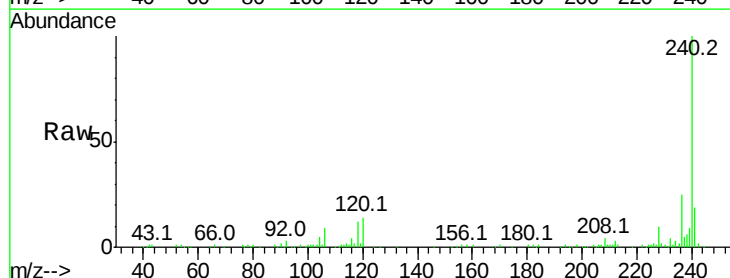
Instrument :
 BNA_F
 ClientSampleId :

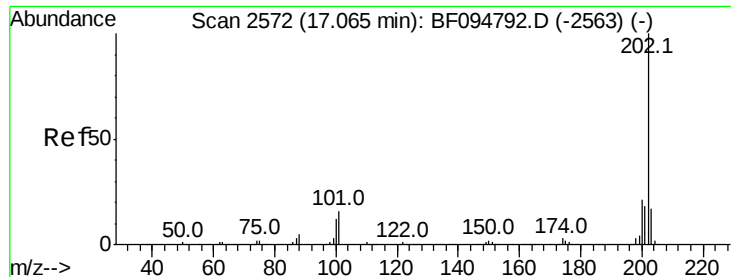
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.2
203	16.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF095299.D
 Acq: 20 May 2017 12:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.0	5.8	8.8#
236	25.1	20.5	30.7





#77

Pvrene

Concen: 7.67 ng

RT: 17.10 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095299.D

Acq: 20 May 2017 12:02

Instrument :

BNA_F

ClientSampled :

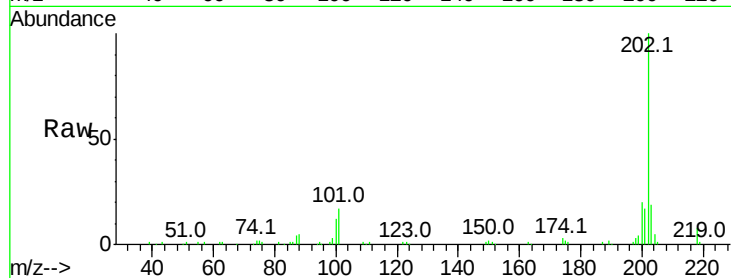
Tot Ion:202 Resp: 103365

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

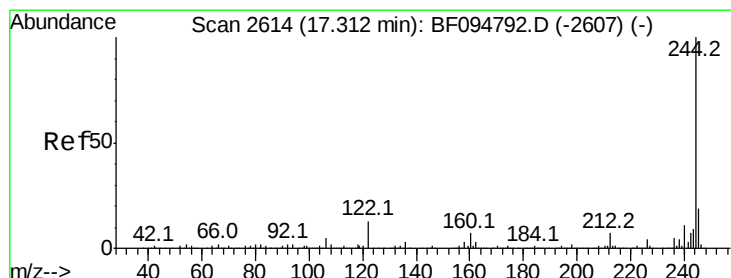
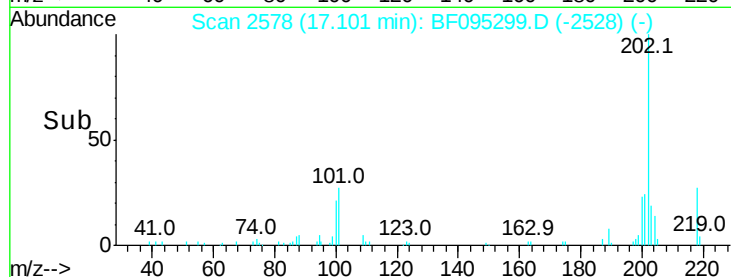
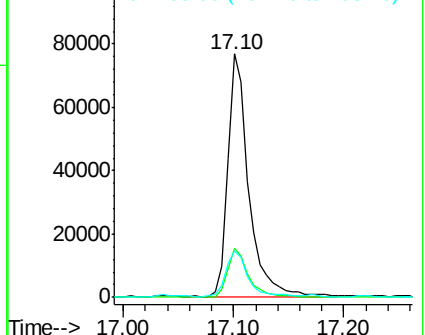
203 19.0 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 49.68 ng

RT: 17.33 min Scan# 2617

Delta R.T. -0.02 min

Lab File: BF095299.D

Acq: 20 May 2017 12:02

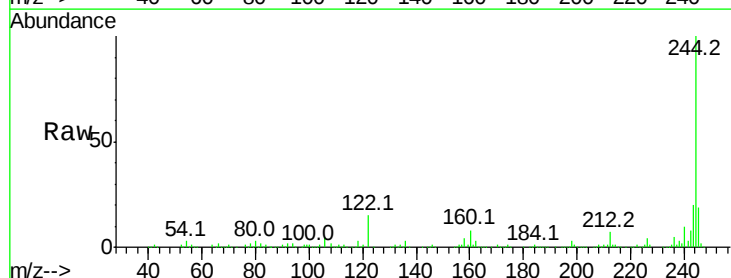
Tgt Ion:244 Resp: 406592

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

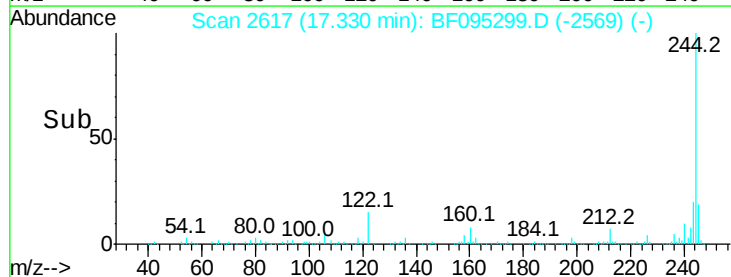
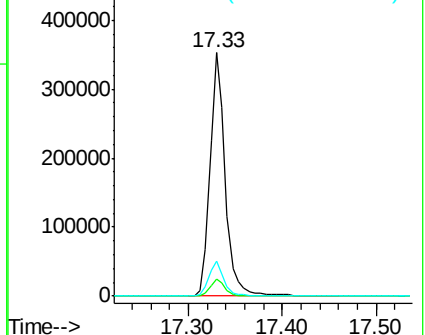
122 14.6 10.3 15.5

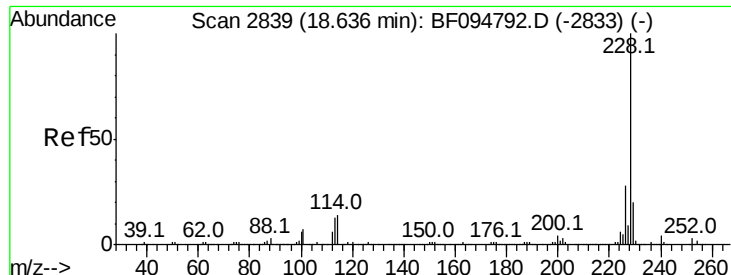


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

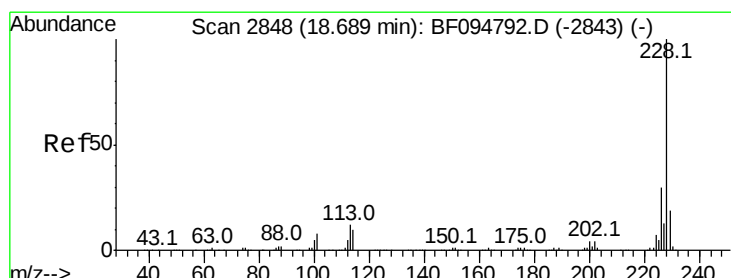
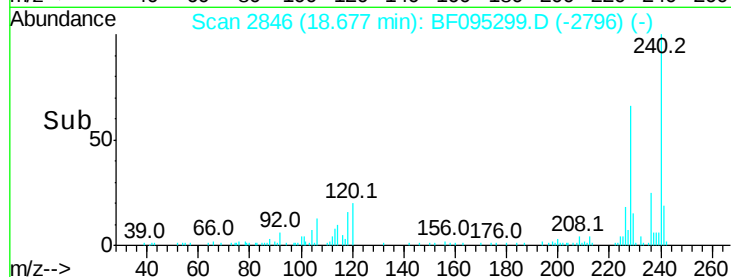
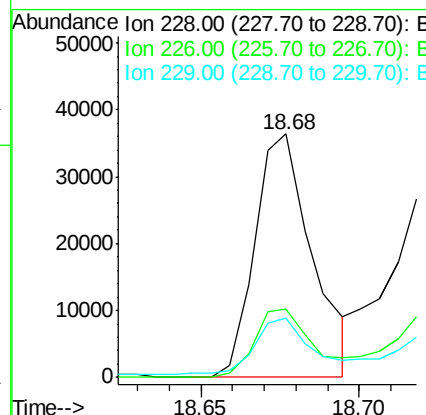
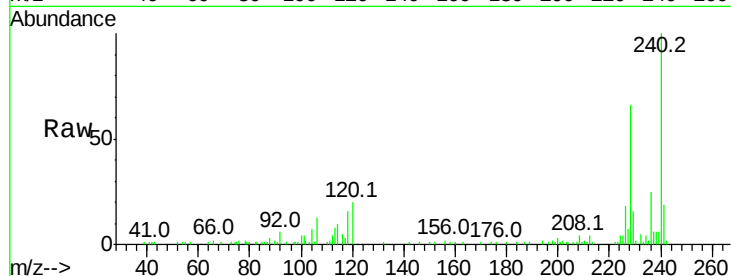




#80
Benzo(a)anthracene
Concen: 4.35 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BF095299.D
Acq: 20 May 2017 12:02

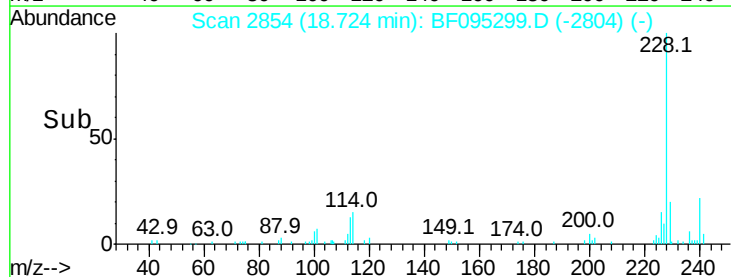
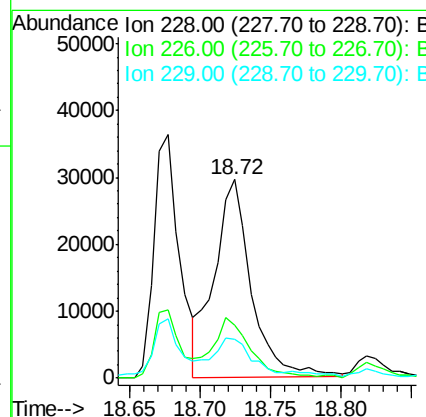
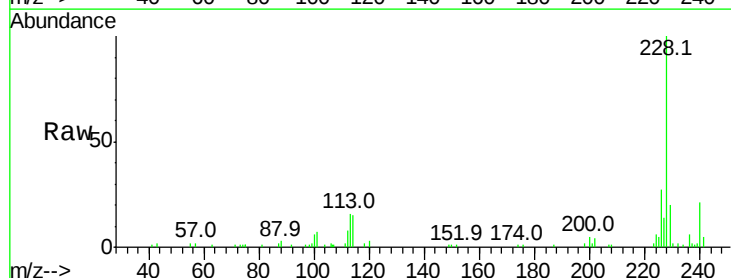
Instrument :
BNA_F
ClientSampled :

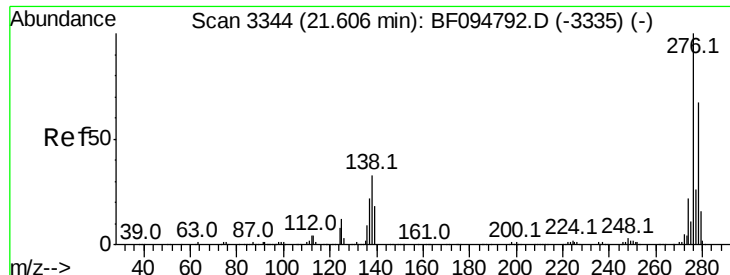
Tot Ion:228 Resp: 45625
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 24.3 16.3 24.5



#82
Chrysene
Concen: 5.33 ng
RT: 18.72 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BF095299.D
Acq: 20 May 2017 12:02

Tgt Ion:228 Resp: 54112
Ion Ratio Lower Upper
228 100
226 26.8 24.9 37.3
229 19.6 15.8 23.6

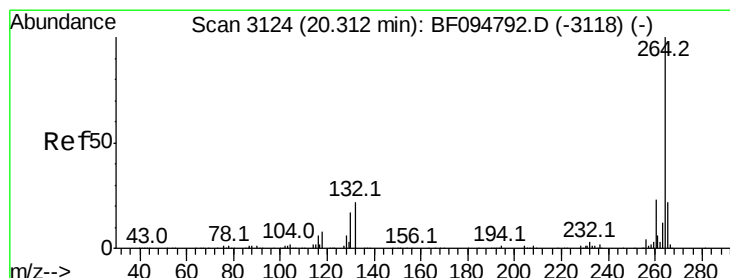
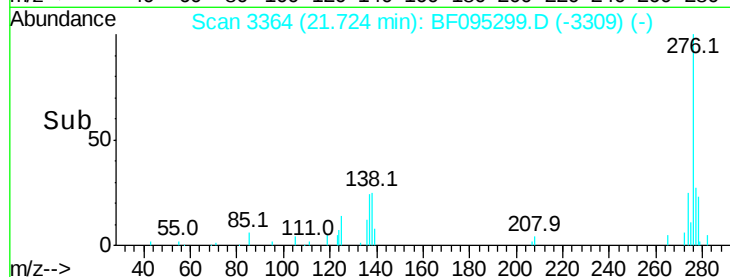
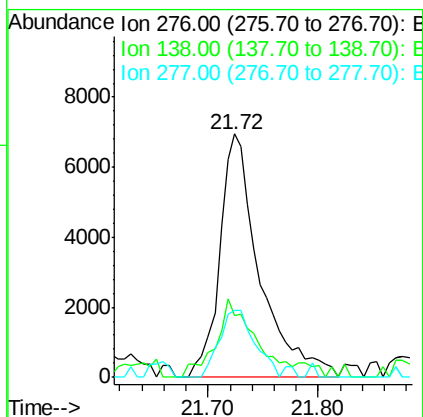
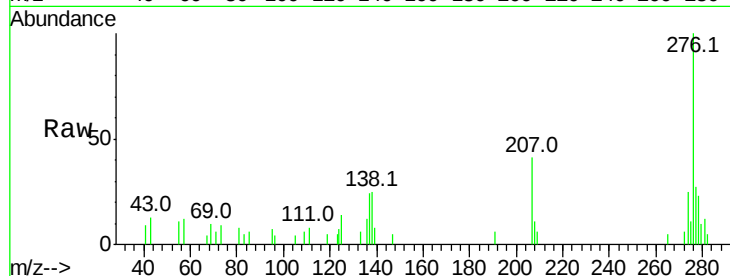




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.13 ng
RT: 21.72 min Scan# 3364
Delta R.T. 0.02 min
Lab File: BF095299.D
Acq: 20 May 2017 12:02

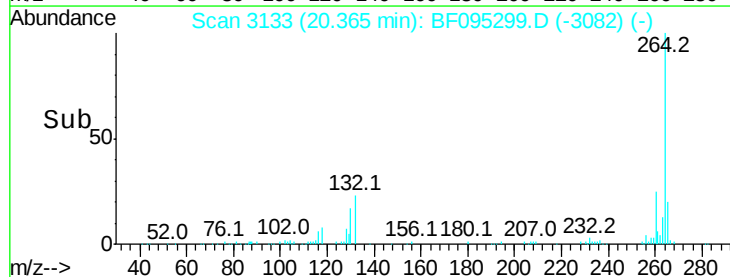
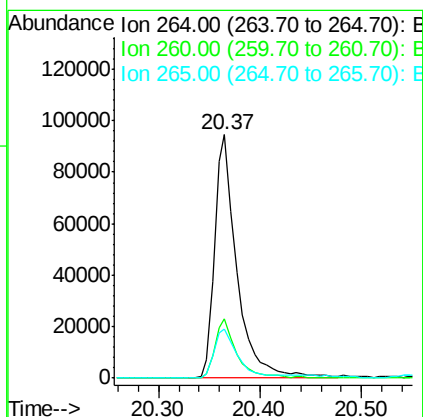
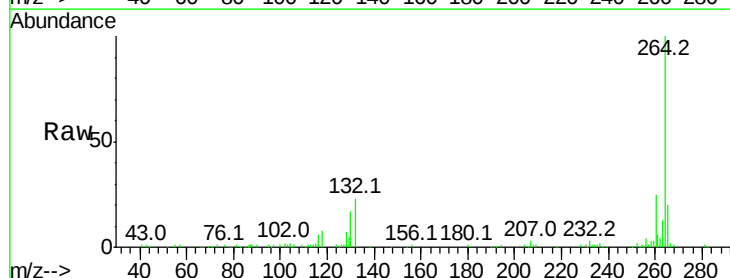
Instrument :
BNA_F
ClientSampleId :

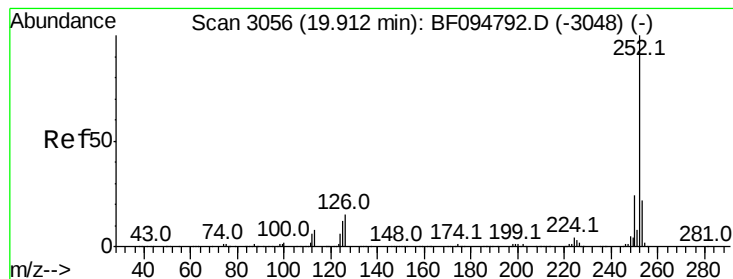
Tot Ion:276 Resp: 17526
Ion Ratio Lower Upper
276 100
138 31.6 27.8 41.6
277 24.4 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095299.D
Acq: 20 May 2017 12:02

Tgt Ion:264 Resp: 145172
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 20.2 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 7.37 ng

RT: 19.97 min Scan# 3065

Delta R.T. 0.01 min

Lab File: BF095299.D

Acq: 20 May 2017 12:02

Instrument :

BNA_F

ClientSampleId :

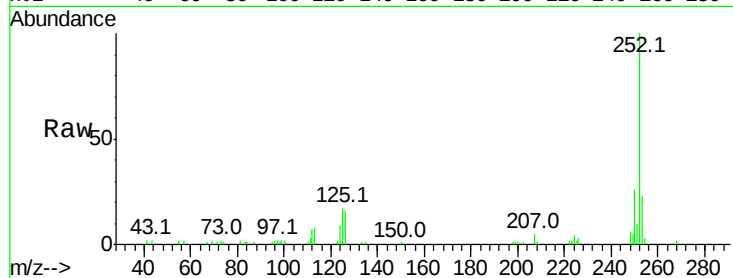
Tot Ion:252 Resp: 66083

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

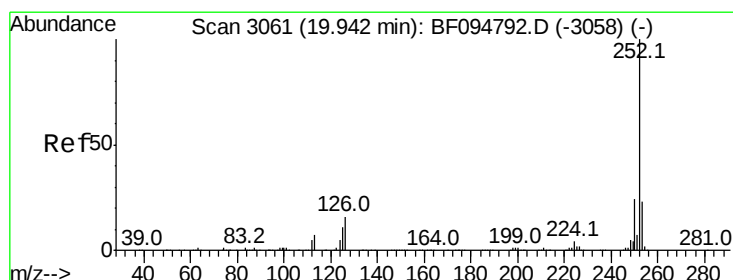
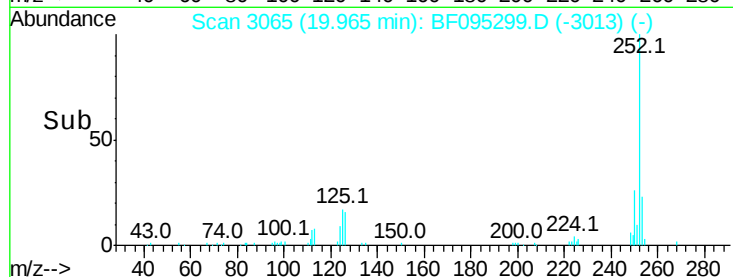
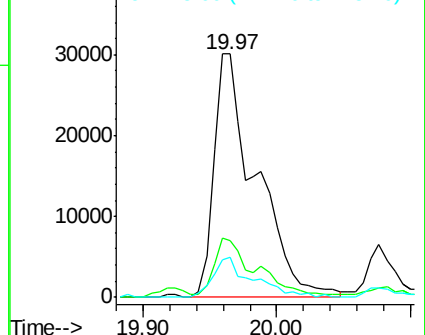
125 16.5 9.8 14.8#



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: 7.64 ng

RT: 19.97 min Scan# 3065

Delta R.T. -0.02 min

Lab File: BF095299.D

Acq: 20 May 2017 12:02

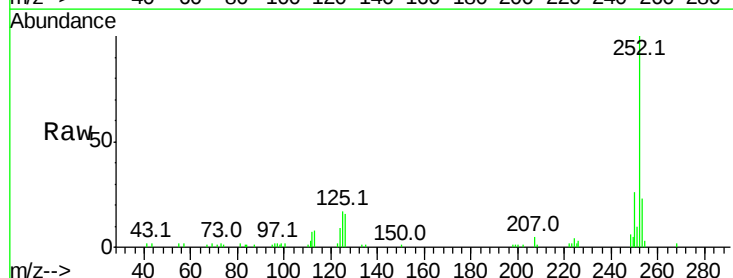
Tgt Ion:252 Resp: 66083

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

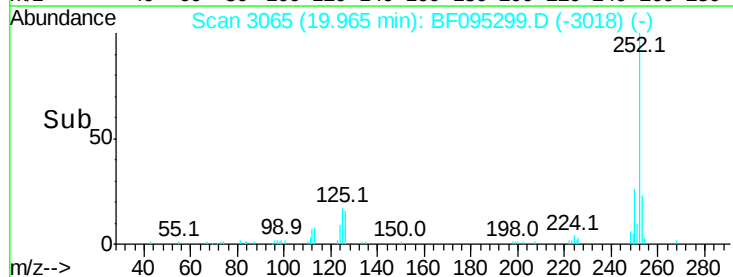
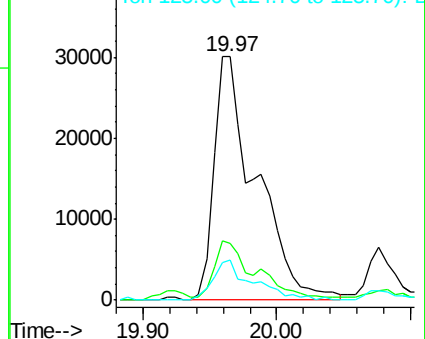
125 16.5 13.1 19.7

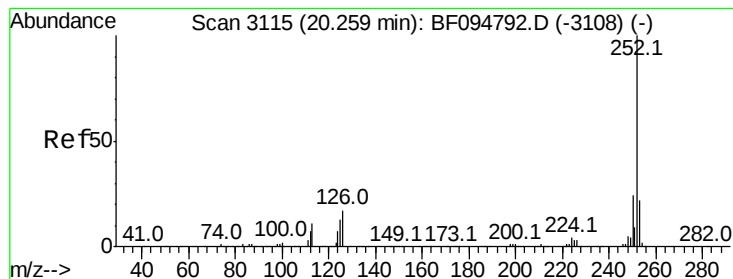


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.30 ng

RT: 20.31 min Scan# 3124

Delta R.T. 0.00 min

Lab File: BF095299.D

Acq: 20 May 2017 12:02

Instrument :

BNA_F

ClientSampleId :

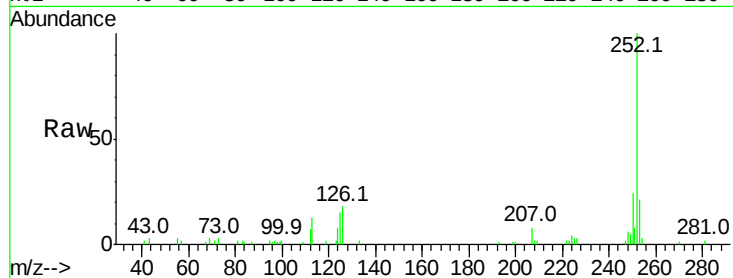
Tot Ion:252 Resp: 35588

Ion Ratio Lower Upper

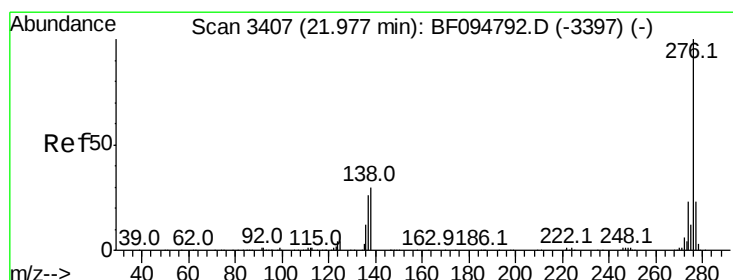
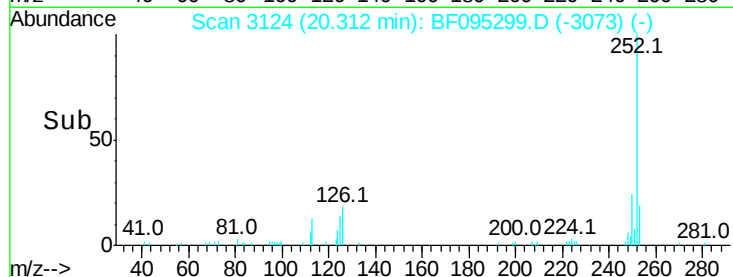
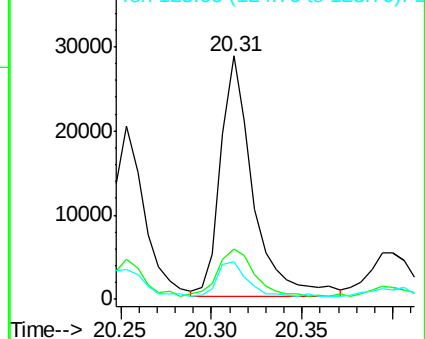
252 100

253 20.9 17.5 26.3

125 15.3 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.43 ng

RT: 22.12 min Scan# 3431

Delta R.T. 0.04 min

Lab File: BF095299.D

Acq: 20 May 2017 12:02

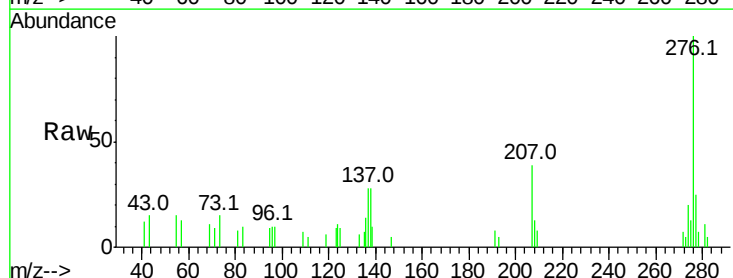
Tgt Ion:276 Resp: 16277

Ion Ratio Lower Upper

276 100

277 25.4 18.6 28.0

138 38.5 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

