

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
 Data File : BF095322.D
 Acq On : 22 May 2017 19:30
 Operator : SJ/MA
 Sample : I3235-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW1-TW2

Quant Time: May 23 04:06:26 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

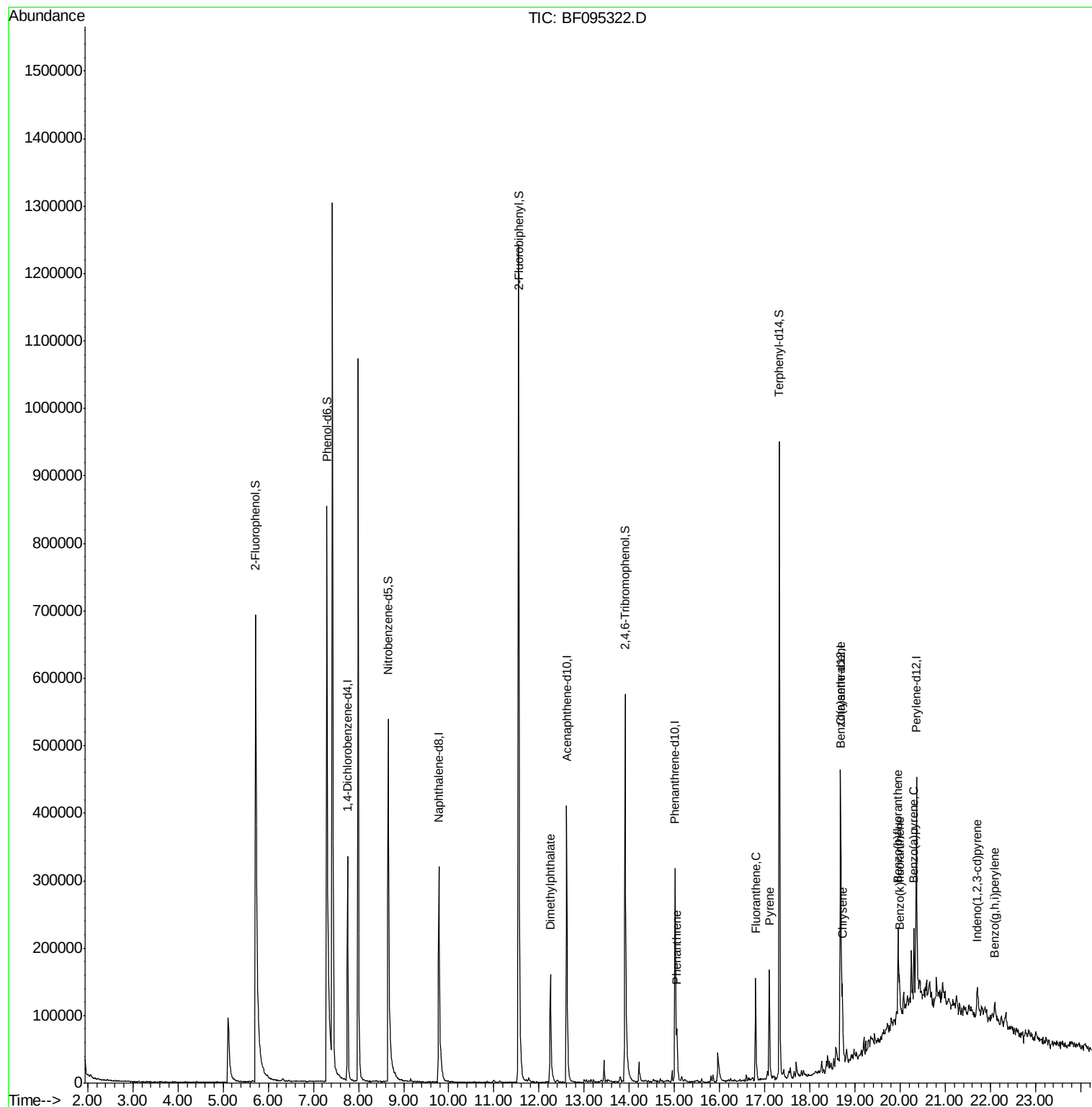
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	80325	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	332978	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	149374	20.00	ng	0.00
63) Phenanthrene-d10	15.01	188	214582	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	189926	20.00	ng	-0.01
86) Perylene-d12	20.36	264	157807	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	558396	115.90	ng	-0.02
7) Phenol-d6	7.30	99	708520	122.57	ng	-0.02
23) Nitrobenzene-d5	8.66	82	382643	72.46	ng	-0.01
41) 2,4,6-Tribromophenol	13.91	330	123864	101.25	ng	-0.01
44) 2-Fluorobiphenyl	11.55	172	702167	67.66	ng	-0.01
78) Terphenyl-d14	17.32	244	374439	43.42	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	12.25	163	139075	11.34	ng	99
70) Phenanthrene	15.05	178	45009	3.65	ng	# 94
74) Fluoranthene	16.79	202	100371	7.94	ng	99
77) Pyrene	17.10	202	87228	6.14	ng	# 95
80) Benzo(a)anthracene	18.67	228	49959	4.52	ng	97
82) Chrysene	18.72	228	57932	5.42	ng	96
85) Indeno(1,2,3-cd)pyrene	21.71	276	22260	2.56	ng	95
87) Benzo(b)fluoranthene	19.96	252	65176m	6.68	ng	
88) Benzo(k)fluoranthene	19.98	252	28911m	3.07	ng	
89) Benzo(a)pyrene	20.31	252	43560	4.84	ng	95
91) Benzo(g,h,i)perylene	22.09	276	26781	3.67	ng	96

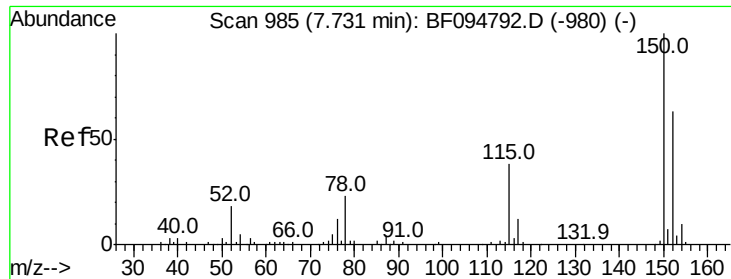
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.76 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF095322.D

Acq: 22 May 2017 19:30

Instrument :

BNA_F

ClientSampleId :

TW1-TW2

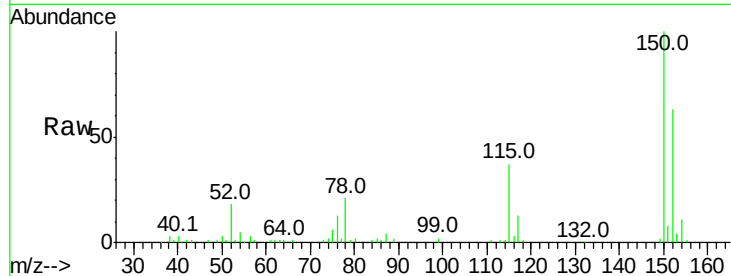
Tot Ion:152 Resp: 80325

Ion Ratio Lower Upper

152 100

150 157.5 126.2 189.2

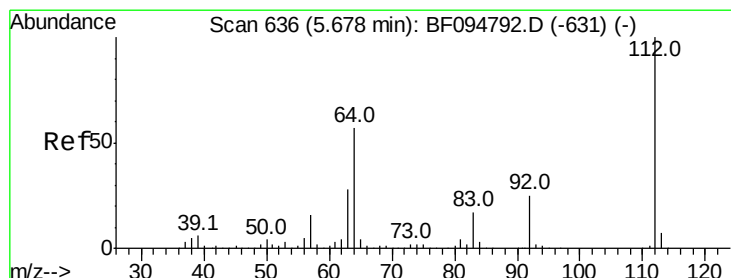
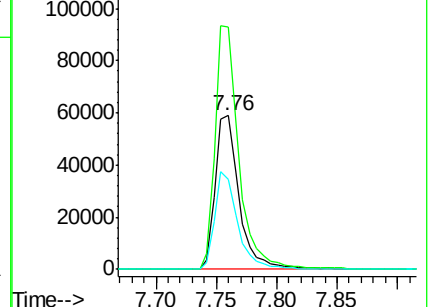
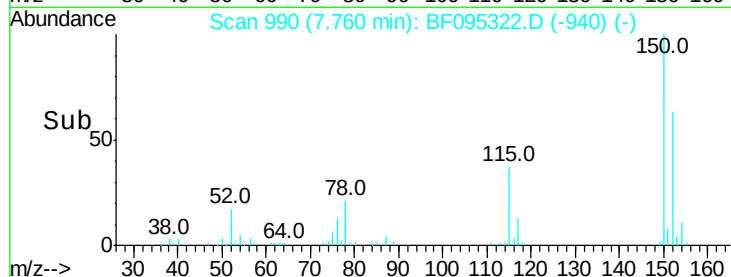
115 58.3 52.2 78.2



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: 115.90 ng

RT: 5.72 min Scan# 643

Delta R.T. -0.02 min

Lab File: BF095322.D

Acq: 22 May 2017 19:30

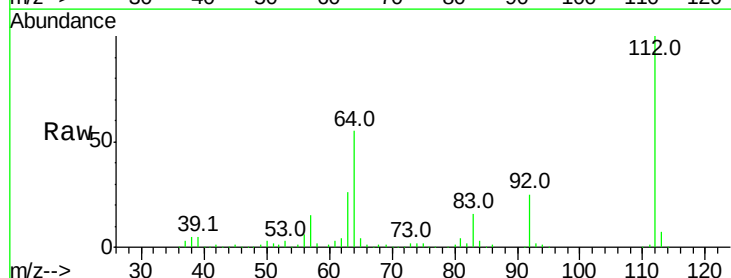
Tgt Ion:112 Resp: 558396

Ion Ratio Lower Upper

112 100

64 55.4 46.0 69.0

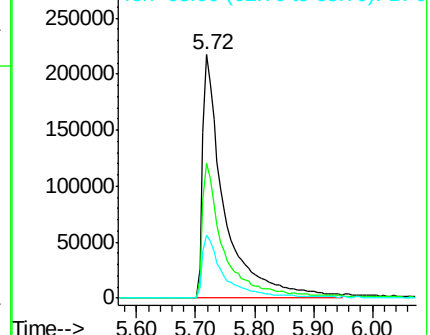
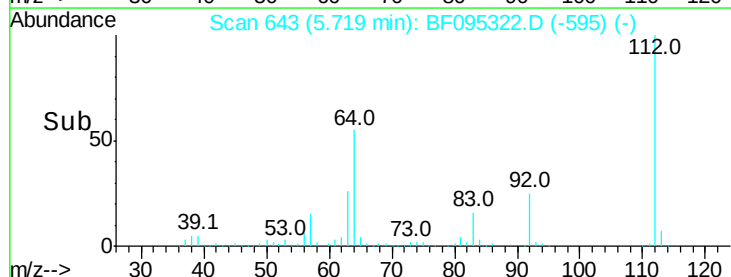
63 25.7 23.4 35.0

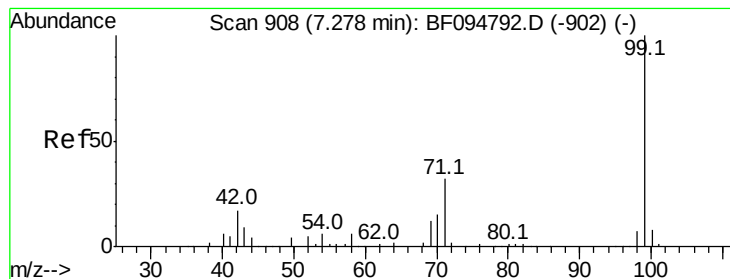


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.57 ng

RT: 7.30 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF095322.D

Acq: 22 May 2017 19:30

Instrument :

BNA_F

ClientSampleId :

TW1-TW2

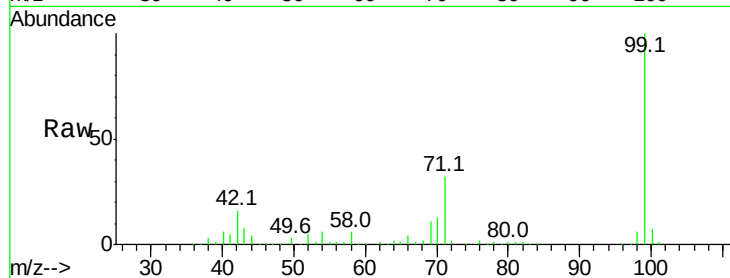
Tot Ion: 99 Resp: 708520

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

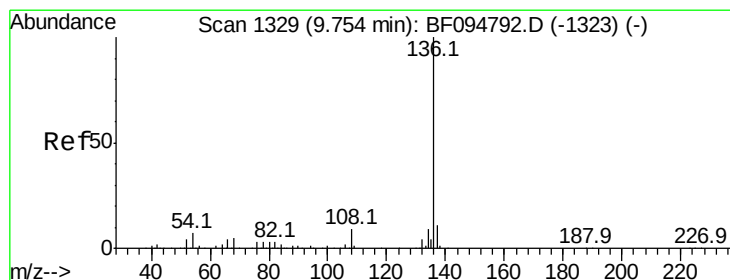
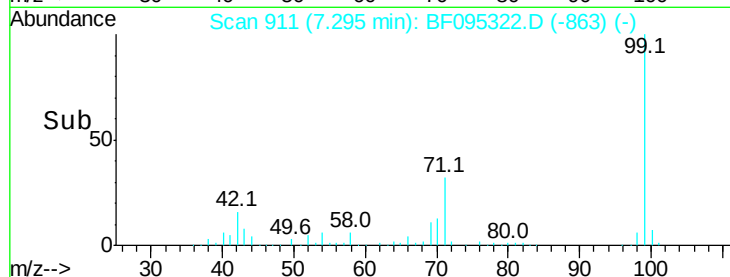
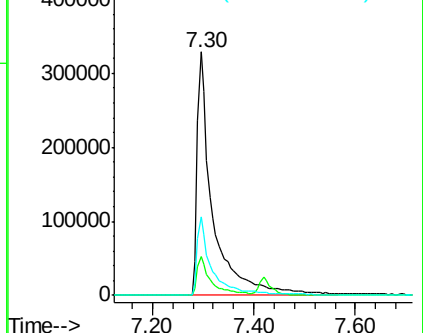
71 32.1 24.5 36.7



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: 9.78 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF095322.D

Acq: 22 May 2017 19:30

Tgt Ion: 136 Resp: 332978

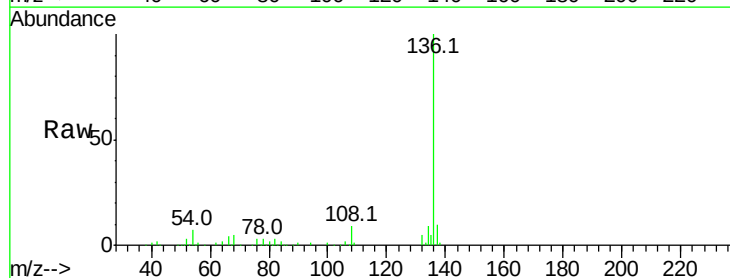
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.7 4.9 7.3

68 5.4 4.1 6.1

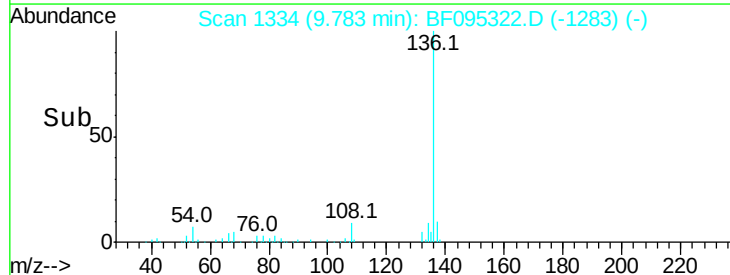
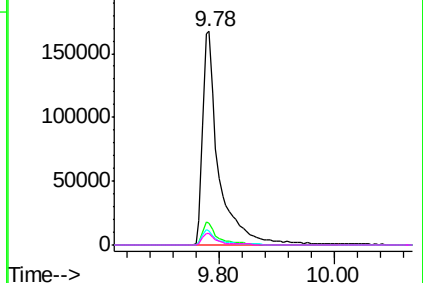


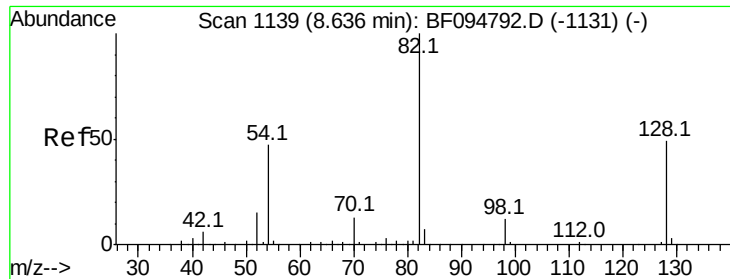
Abundance Ion 136.00 (135.70 to 136.70): E

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

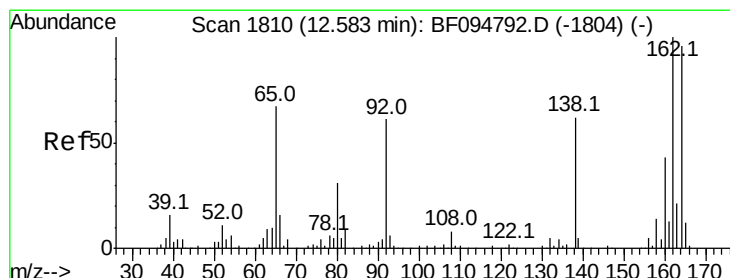
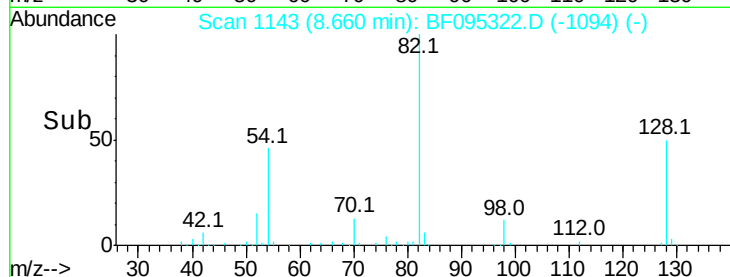
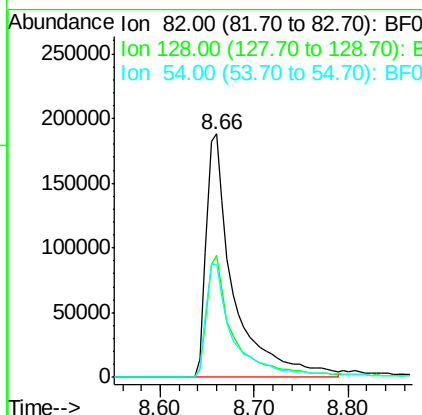
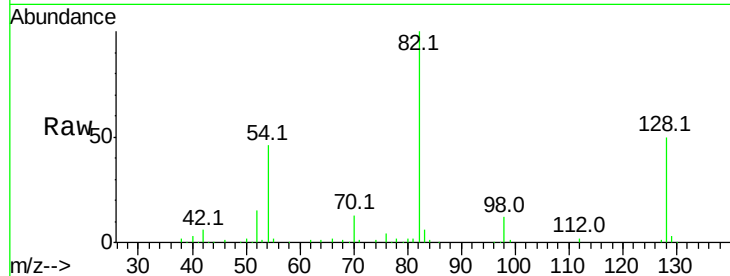




#23
 Nitrobenzene-d5
 Concen: 72.46 ng
 RT: 8.66 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF095322.D
 Acq: 22 May 2017 19:30

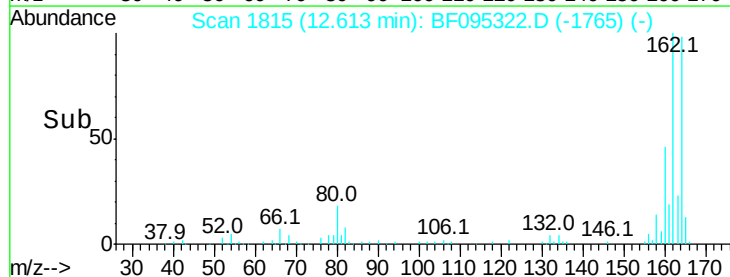
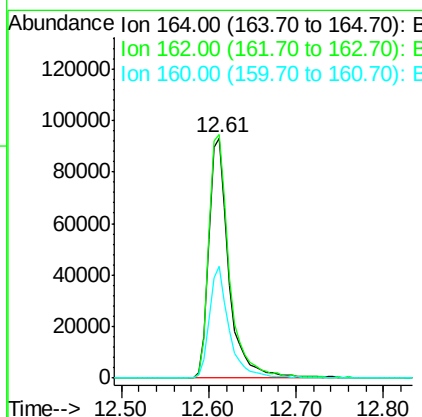
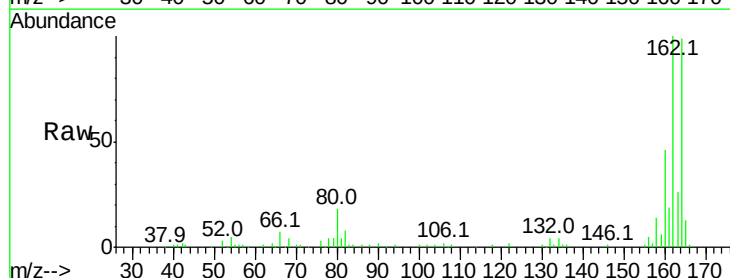
Instrument :
 BNA_F
 ClientSampleID :
 TW1-TW2

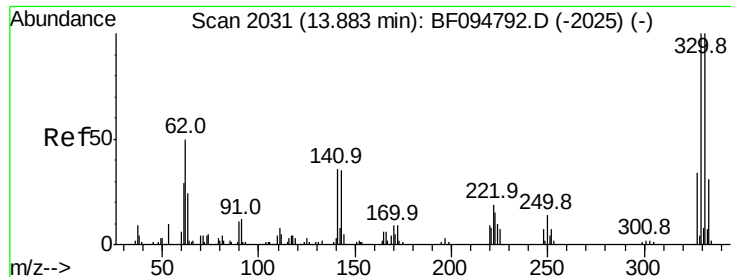
Tot Ion: 82 Resp: 382643
 Ion Ratio Lower Upper
 82 100
 128 50.0 34.0 51.0
 54 46.4 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF095322.D
 Acq: 22 May 2017 19:30

Tgt Ion: 164 Resp: 149374
 Ion Ratio Lower Upper
 164 100
 162 101.3 82.6 123.8
 160 46.5 36.2 54.2

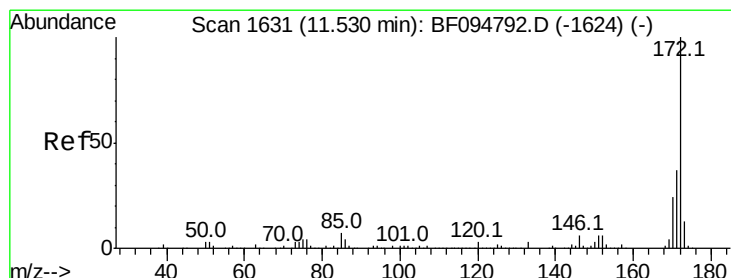
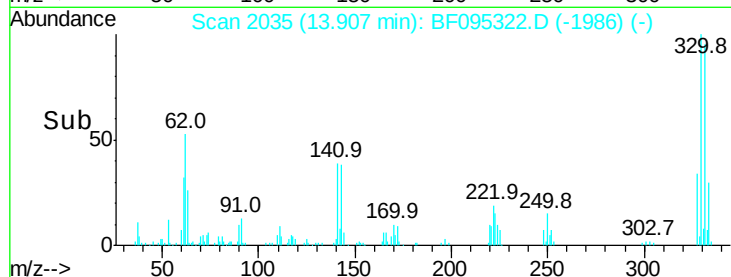
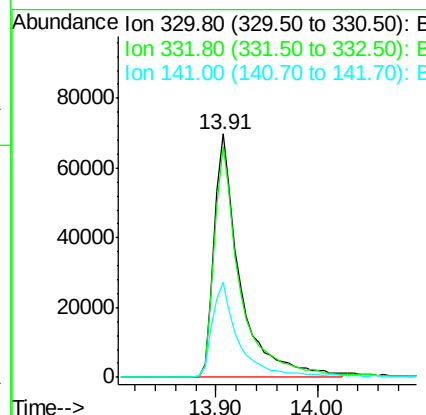
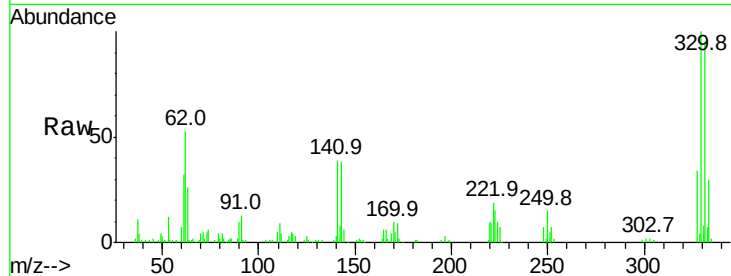




#41
 2,4,6-Tribromophenol
 Concen: 101.25 ng
 RT: 13.91 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF095322.D
 Acq: 22 May 2017 19:30

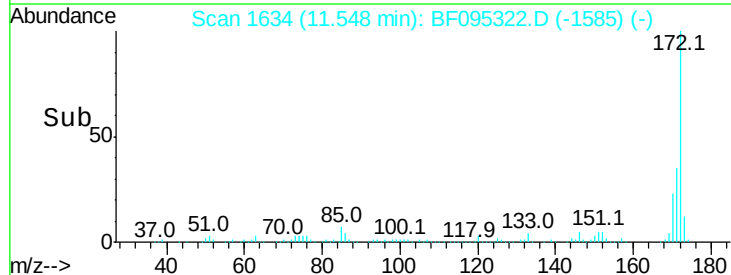
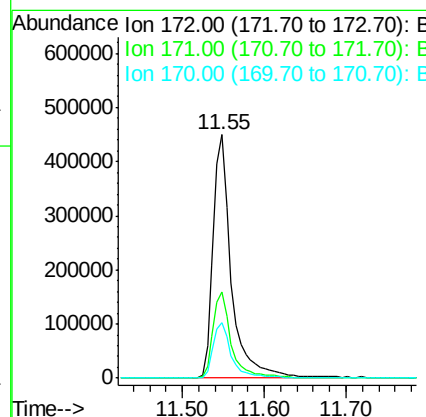
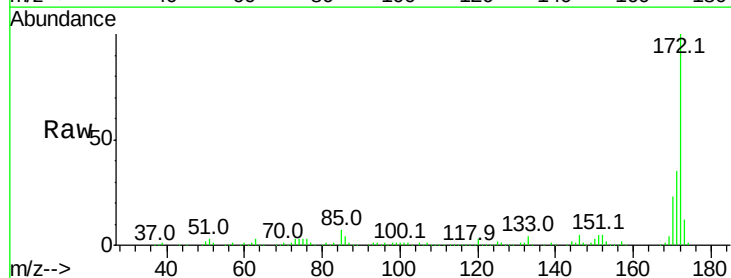
Instrument :
 BNA_F
 ClientSampleId :
 TW1-TW2

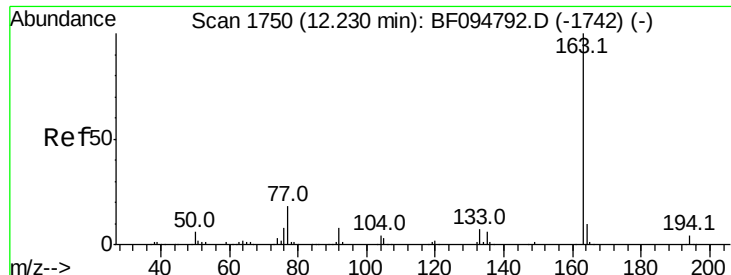
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	115.0
141	40.0	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 67.66 ng
 RT: 11.55 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF095322.D
 Acq: 22 May 2017 19:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.0	19.8	29.8





#49

Dimethylphthalate

Concen: 11.34 ng

RT: 12.25 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BF095322.D

Acq: 22 May 2017 19:30

Instrument :

BNA_F

ClientSampleId :

TW1-TW2

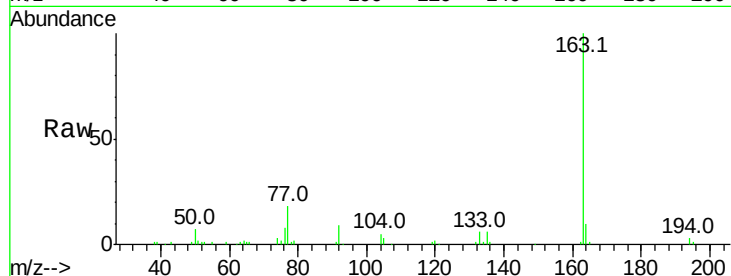
Tot Ion:163 Resp: 139075

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

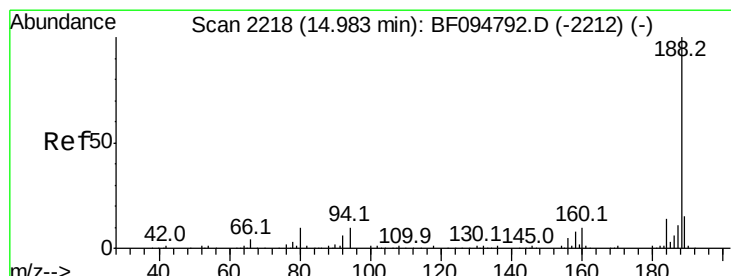
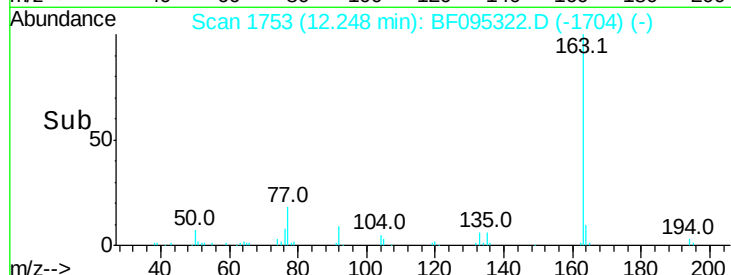
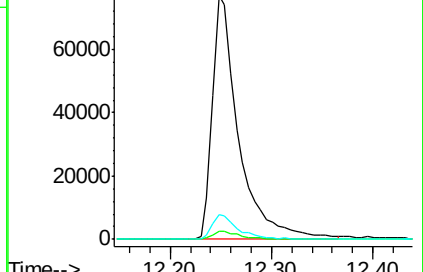
164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.01 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF095322.D

Acq: 22 May 2017 19:30

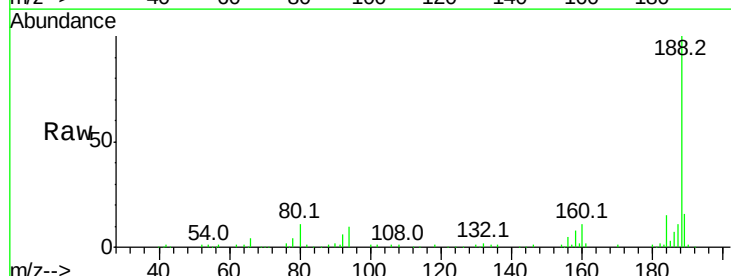
Tgt Ion:188 Resp: 214582

Ion Ratio Lower Upper

188 100

94 9.6 9.4 14.2

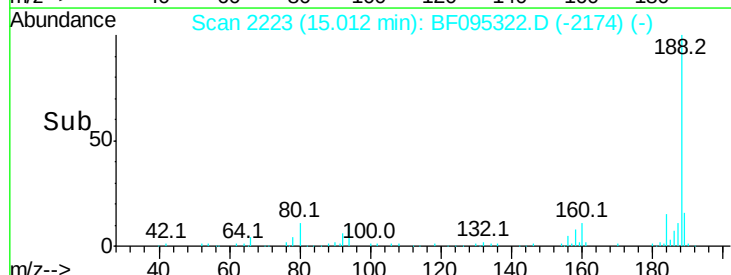
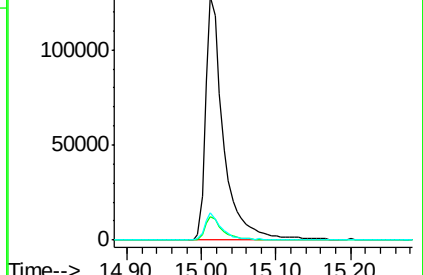
80 11.3 10.2 15.2

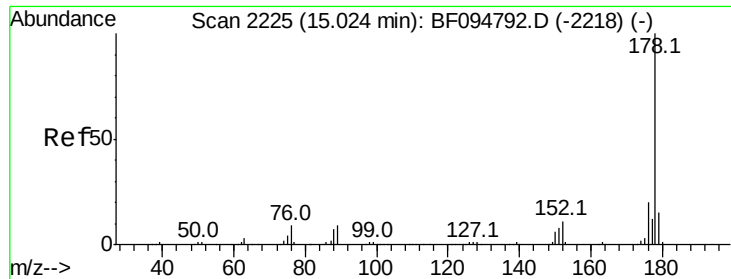


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

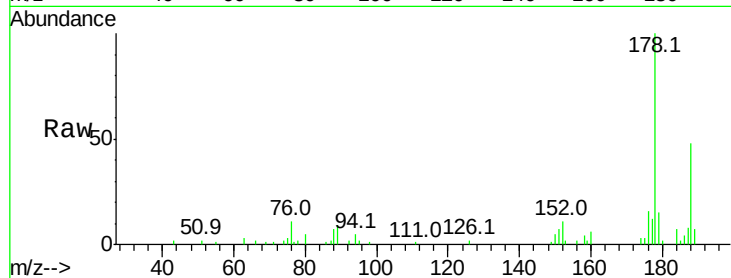




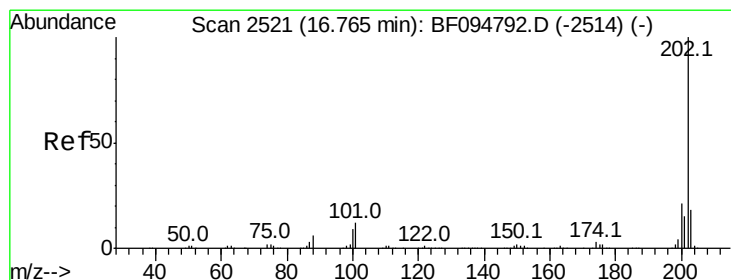
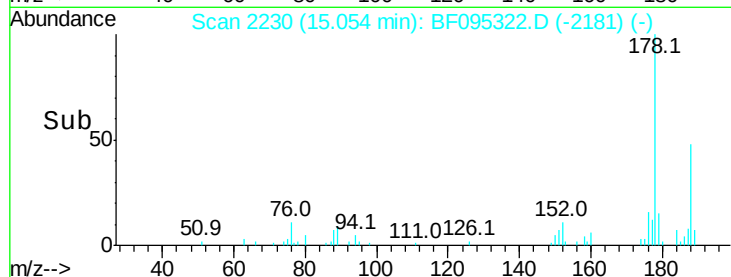
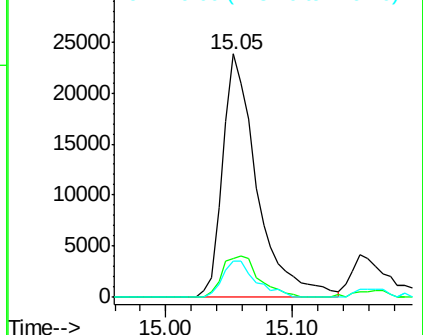
#70
Phenanthrene
Concen: 3.65 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095322.D
Acq: 22 May 2017 19:30

Instrument :
BNA_F
ClientSampleId :
TW1-TW2

Tot Ion:178 Resp: 45009
Ion Ratio Lower Upper
178 100
176 16.1 16.2 24.4#
179 15.1 12.6 19.0

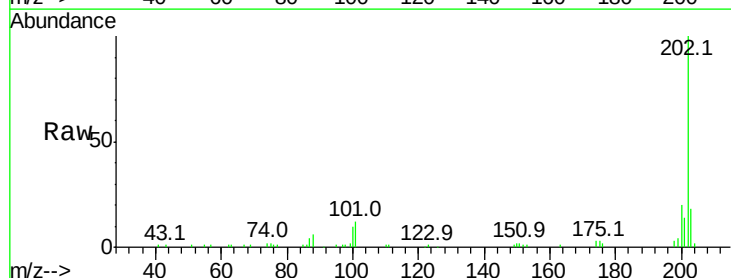


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

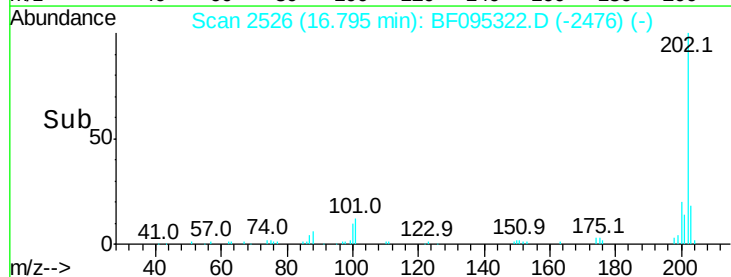
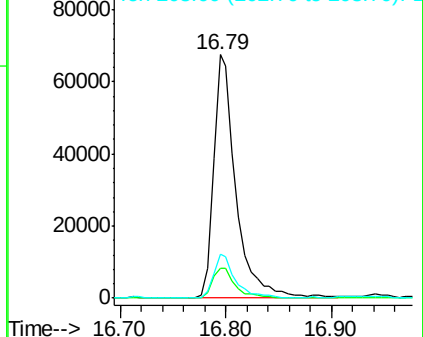


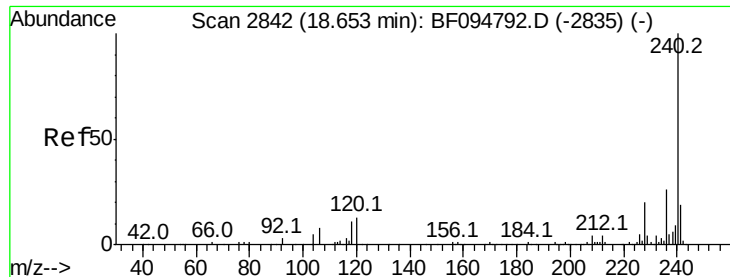
#74
Fluoranthene
Concen: 7.94 ng
RT: 16.79 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF095322.D
Acq: 22 May 2017 19:30

Tgt Ion:202 Resp: 100371
Ion Ratio Lower Upper
202 100
101 12.4 0.0 33.2
203 18.2 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

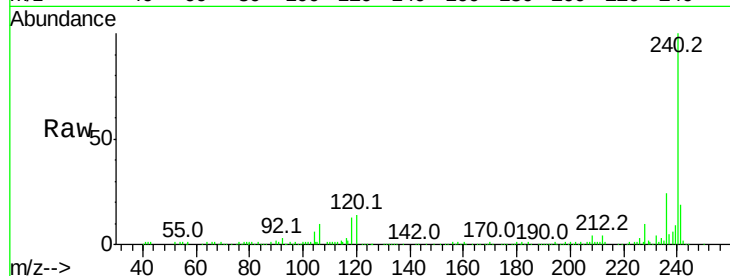




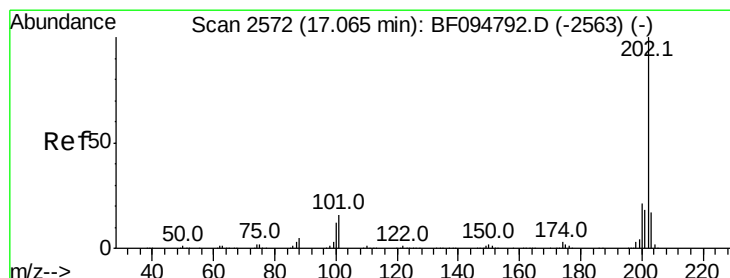
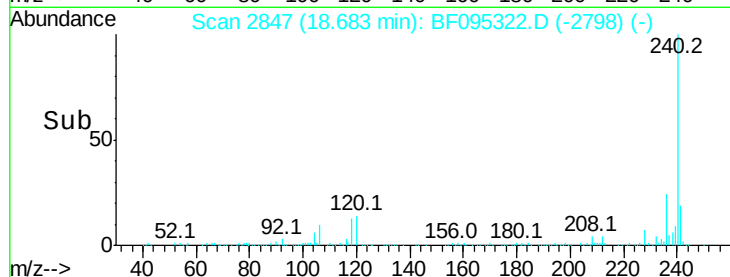
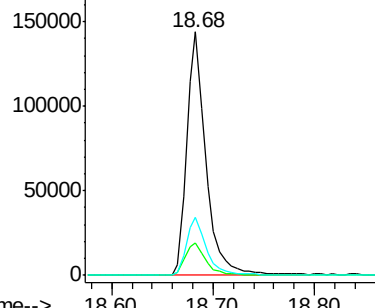
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095322.D
 Acq: 22 May 2017 19:30

Instrument :
 BNA_F
 ClientSampleId :
 TW1-TW2

Tot Ion:240 Resp: 189926
 Ion Ratio Lower Upper
 240 100
 120 13.5 5.8 8.8#
 236 24.0 20.5 30.7

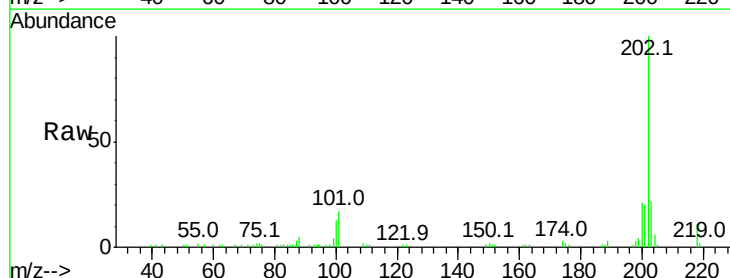


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

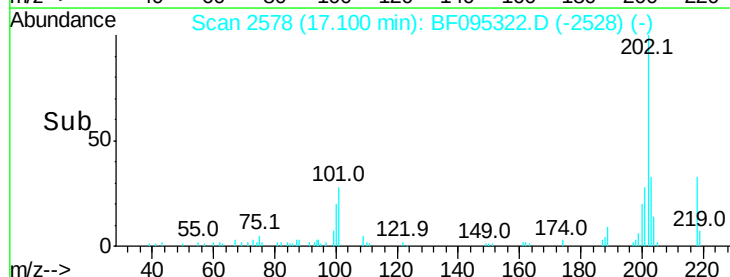
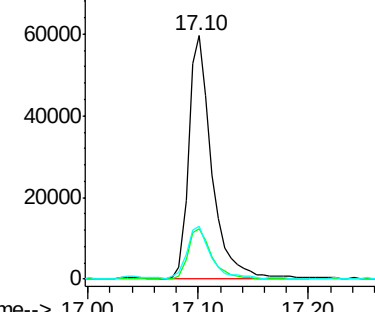


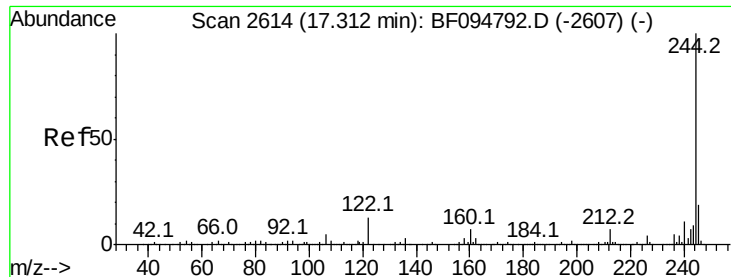
#77
 Pyrene
 Concen: 6.14 ng
 RT: 17.10 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: BF095322.D
 Acq: 22 May 2017 19:30

Tgt Ion:202 Resp: 87228
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.6 26.4
 203 21.6 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

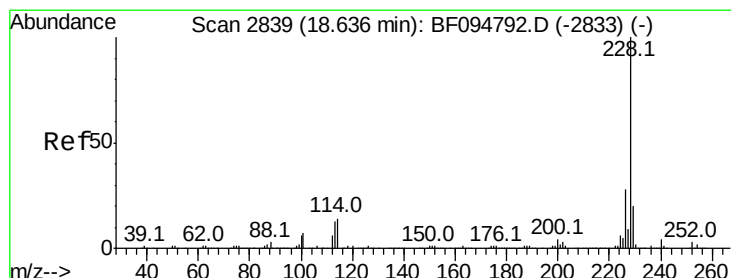
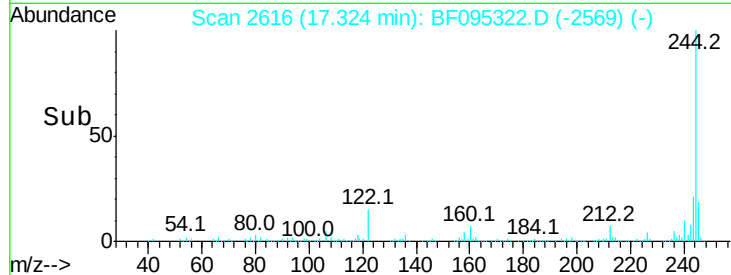
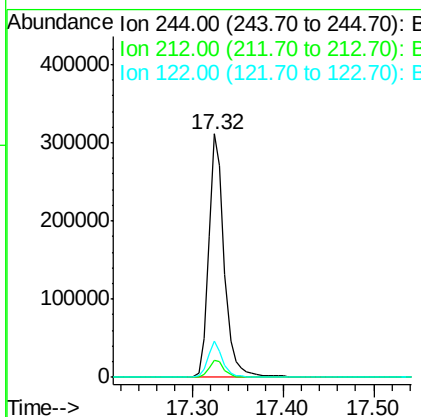
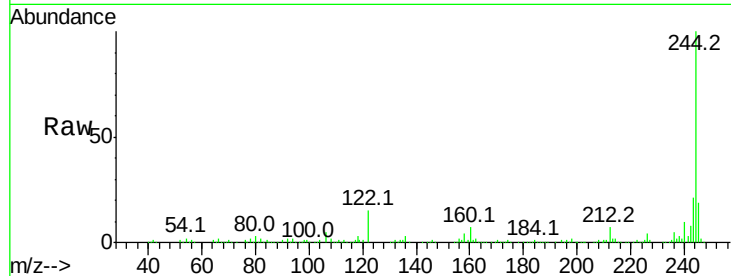




#78
 Terphenyl-d14
 Concen: 43.42 ng
 RT: 17.32 min Scan# 2616
 Delta R.T. -0.02 min
 Lab File: BF095322.D
 Acq: 22 May 2017 19:30

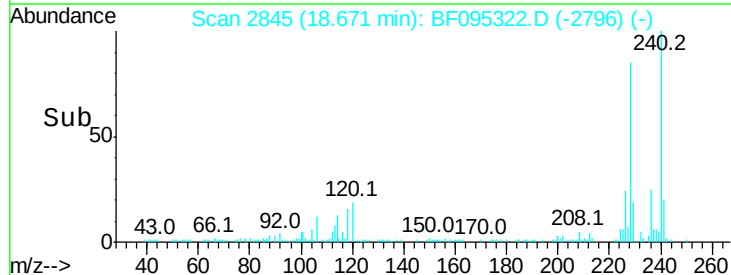
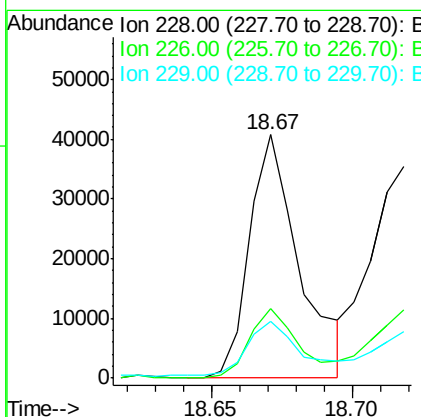
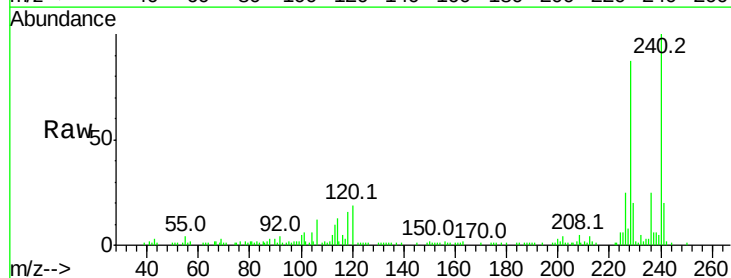
Instrument :
 BNA_F
 ClientSampleId :
 TW1-TW2

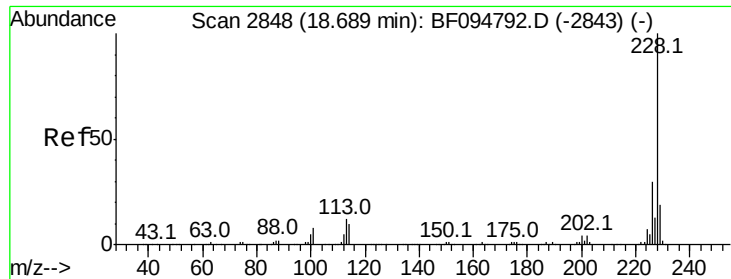
Tot Ion:244 Resp: 374439
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 14.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.52 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. -0.01 min
 Lab File: BF095322.D
 Acq: 22 May 2017 19:30

Tgt Ion:228 Resp: 49959
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.6 33.8
 229 23.3 16.3 24.5





#82

Chrysene

Concen: 5.42 ng

RT: 18.72 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF095322.D

Acq: 22 May 2017 19:30

Instrument :

BNA_F

ClientSampleId :

TW1-TW2

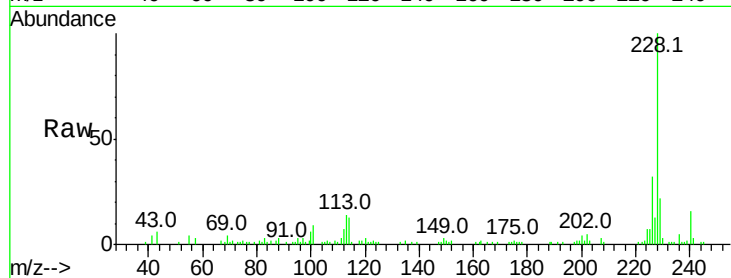
Tot Ion:228 Resp: 57932

Ion Ratio Lower Upper

228 100

226 32.4 24.9 37.3

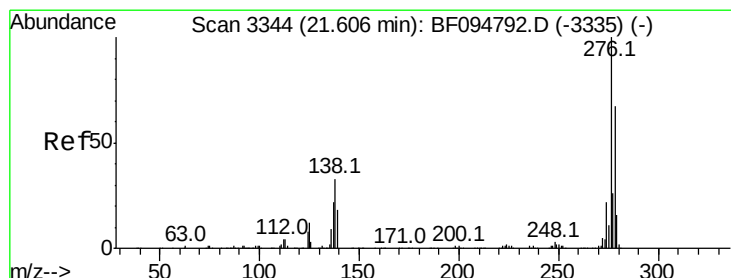
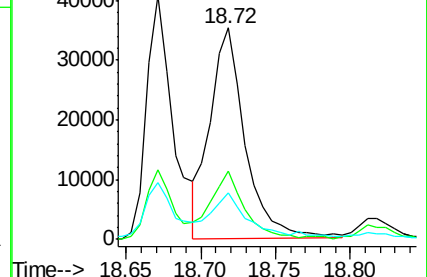
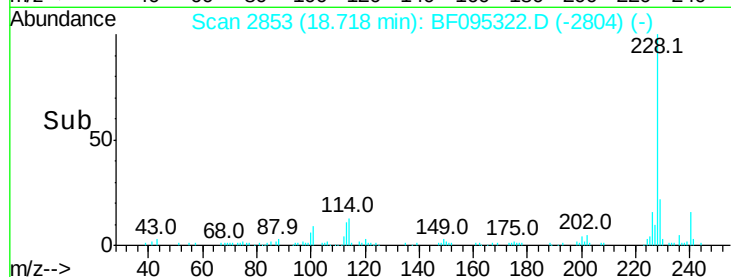
229 22.2 15.8 23.6



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: 2.56 ng

RT: 21.71 min Scan# 3362

Delta R.T. 0.01 min

Lab File: BF095322.D

Acq: 22 May 2017 19:30

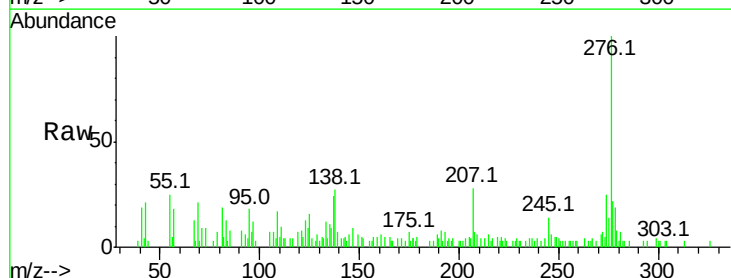
Tgt Ion:276 Resp: 22260

Ion Ratio Lower Upper

276 100

138 32.5 27.8 41.6

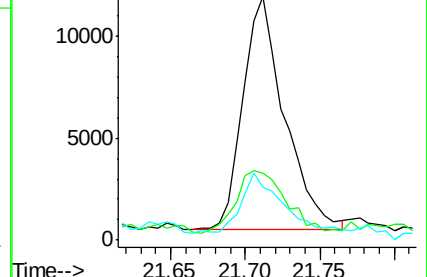
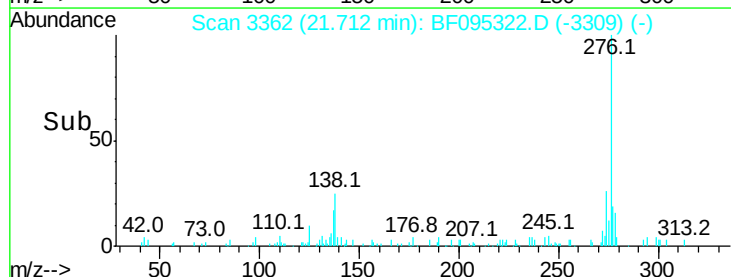
277 28.8 20.2 30.4

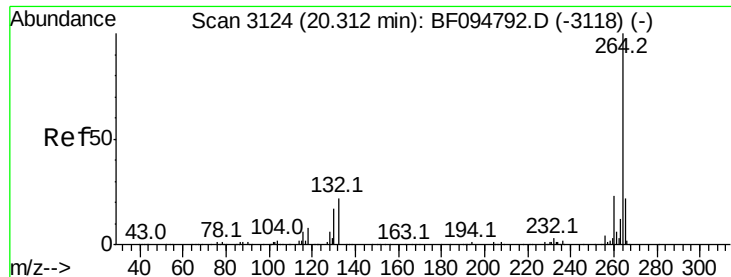


Abundance Ion 276.00 (275.70 to 276.70): E

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: 20.36 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095322.D

Acq: 22 May 2017 19:30

Instrument :

BNA_F

ClientSampleId :

TW1-TW2

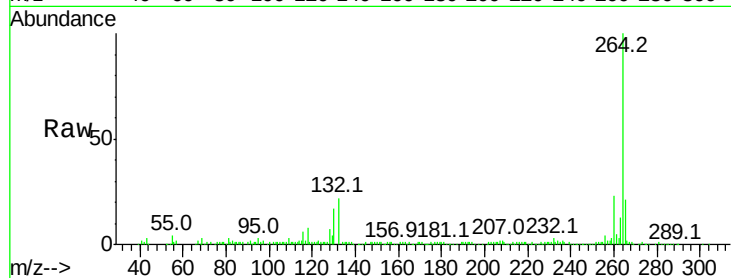
Tot Ion:264 Resp: 157807

Ion Ratio Lower Upper

264 100

260 23.0 19.5 29.3

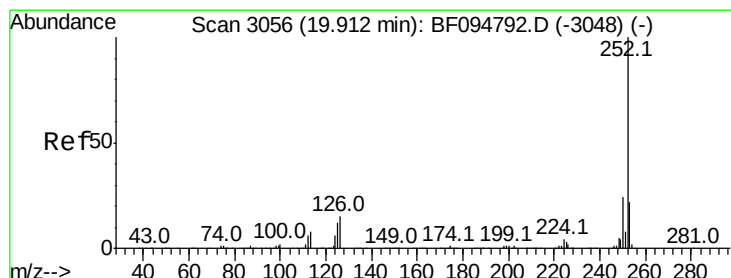
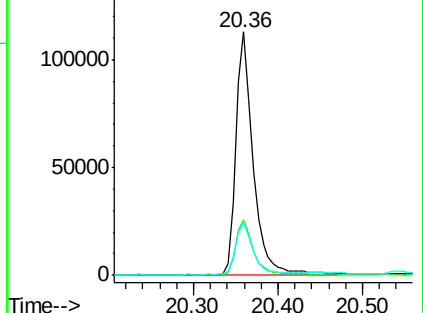
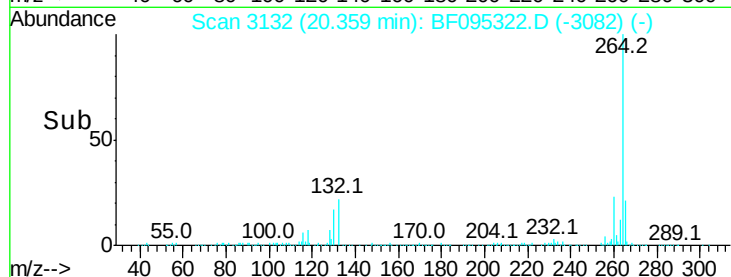
265 21.5 17.2 25.8



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: 6.68 ng m

RT: 19.96 min Scan# 3064

Delta R.T. -0.00 min

Lab File: BF095322.D

Acq: 22 May 2017 19:30

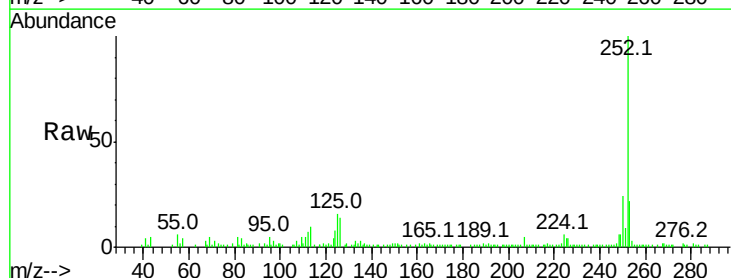
Tgt Ion:252 Resp: 65176

Ion Ratio Lower Upper

252 100

253 21.5 18.1 27.1

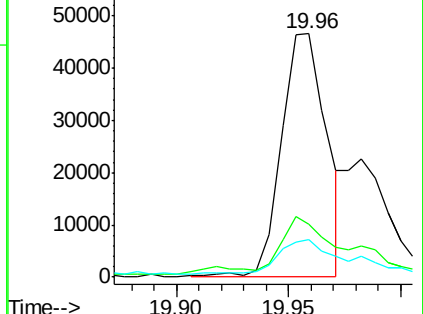
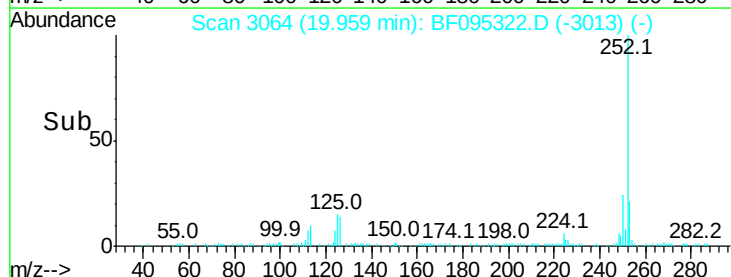
125 15.6 9.8 14.8#

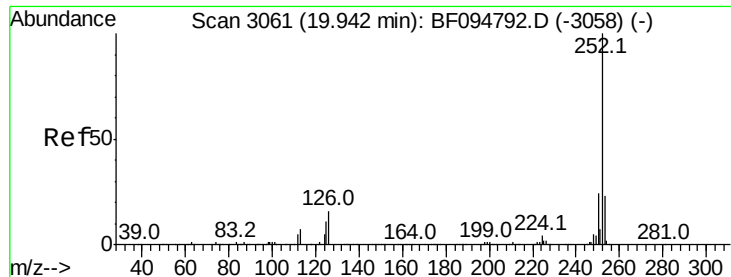


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.07 ng/mL

RT: 19.98 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BF095322.D

Acq: 22 May 2017 19:30

Instrument :

BNA_F

ClientSampleId :

TW1-TW2

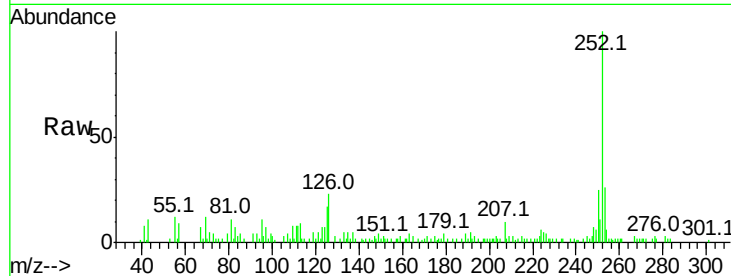
Tot Ion:252 Resp: 28911

Ion Ratio Lower Upper

252 100

253 26.4 18.4 27.6

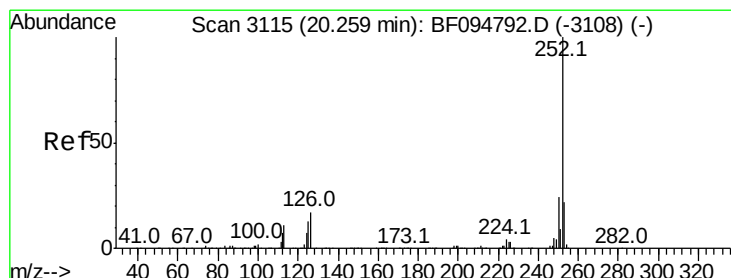
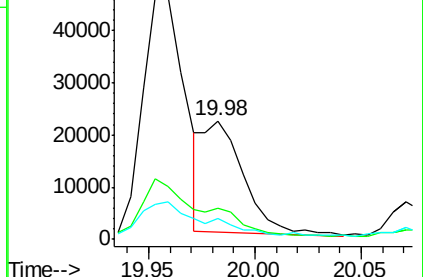
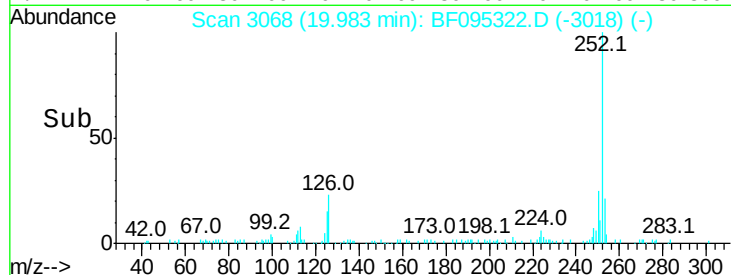
125 17.3 13.1 19.7



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: 4.84 ng/mL

RT: 20.31 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BF095322.D

Acq: 22 May 2017 19:30

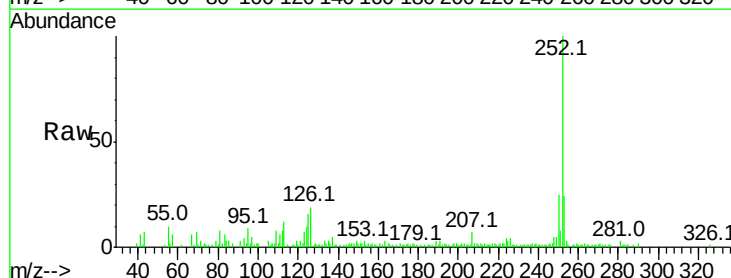
Tgt Ion:252 Resp: 43560

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

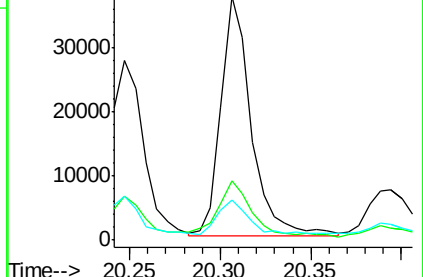
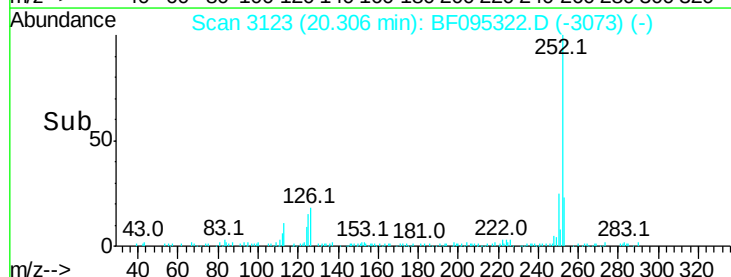
125 16.2 11.0 16.4

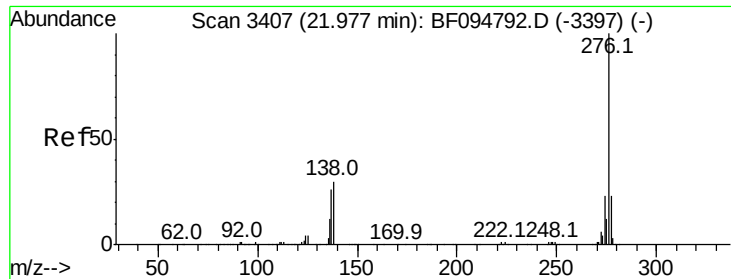


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.67 ng

RT: 22.09 min Scan# 3427

Delta R.T. 0.01 min

Lab File: BF095322.D

Acq: 22 May 2017 19:30

Instrument :

BNA_F

ClientSampleId :

TW1-TW2

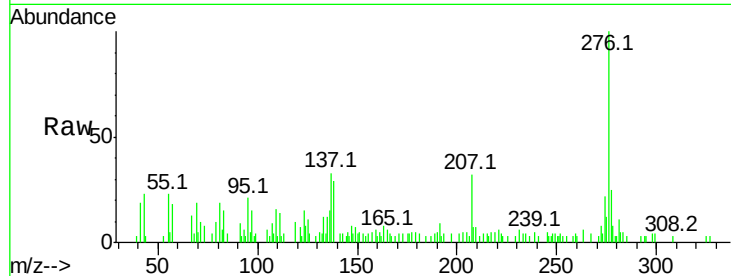
Tot Ion: 276 Resp: 26781

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 28.8 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

