

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
 Data File : BF095551.D
 Acq On : 30 May 2017 23:37
 Operator : SJ/MA
 Sample : I3302-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 01:44:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

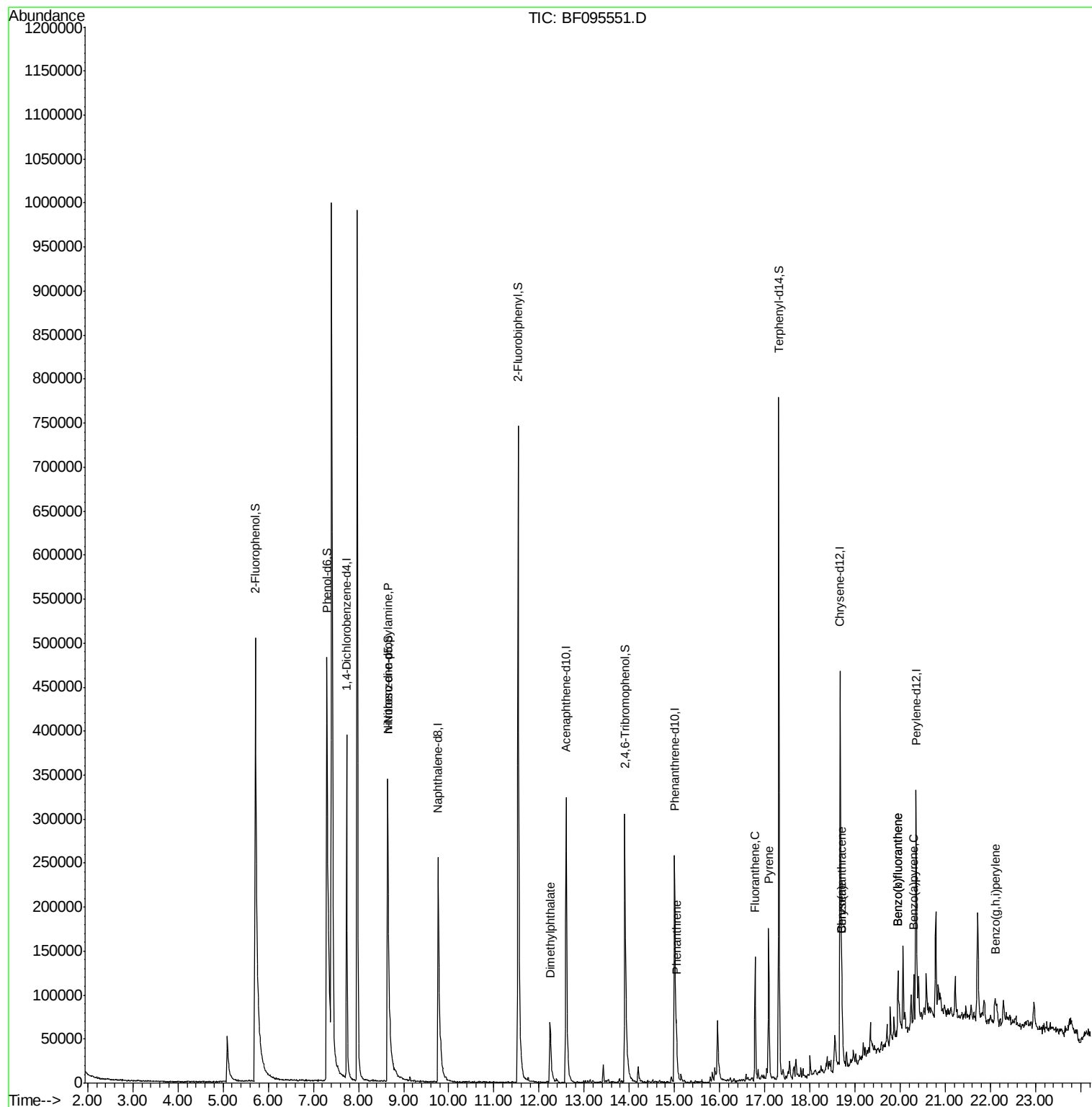
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	92586	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	346779	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	134092	20.00	ng	0.00
63) Phenanthrene-d10	15.01	188	200483	20.00	ng	0.00
75) Chrysene-d12	18.67	240	206238	20.00	ng	0.00
86) Perylene-d12	20.35	264	125218	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	508178	91.51	ng	0.00
7) Phenol-d6	7.30	99	599677	90.00	ng	0.00
23) Nitrobenzene-d5	8.65	82	307800	55.97	ng	0.00
41) 2,4,6-Tribromophenol	13.91	330	81540	74.25	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	534192	57.34	ng	0.00
78) Terphenyl-d14	17.31	244	324192	34.62	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.65	70	34274	7.61	ng	Qvalue # 84
49) Dimethylphthalate	12.24	163	84864	7.71	ng	98
70) Phenanthrene	15.04	178	33980	2.95	ng	98
74) Fluoranthene	16.79	202	90170	7.63	ng	98
77) Pyrene	17.09	202	87317	5.66	ng	98
80) Benzo(a)anthracene	18.71	228	43878	3.66	ng	95
82) Chrysene	18.71	228	43878	3.78	ng	97
87) Benzo(b)fluoranthene	19.95	252	58391	7.55	ng	# 96
88) Benzo(k)fluoranthene	19.95	252	58391	7.82	ng	97
89) Benzo(a)pyrene	20.30	252	25814	3.62	ng	# 88
91) Benzo(g,h,i)perylene	22.10	276	15783	2.73	ng	# 88

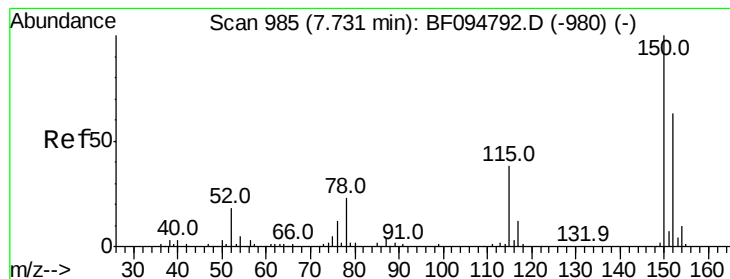
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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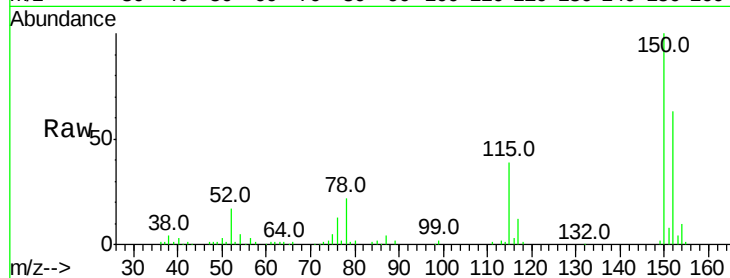


#1

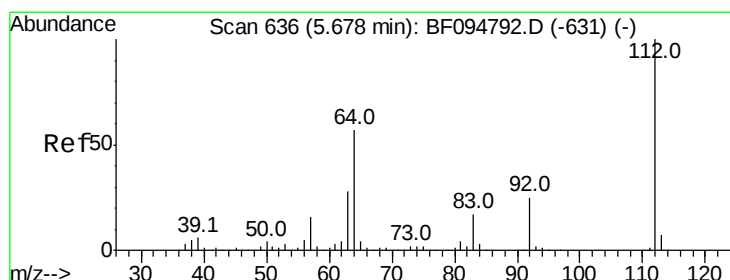
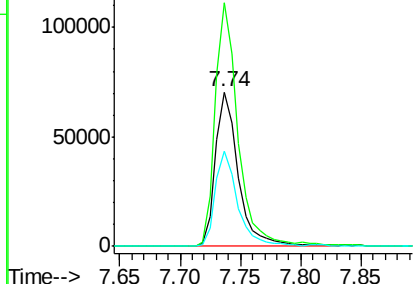
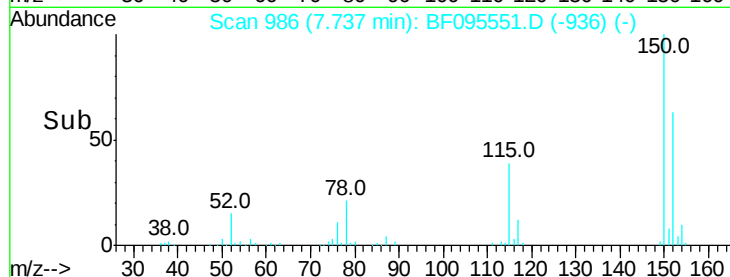
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095551.D
Acq: 30 May 2017 23:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 92586
Ion Ratio Lower Upper
152 100
150 157.9 126.2 189.2
115 61.7 52.2 78.2



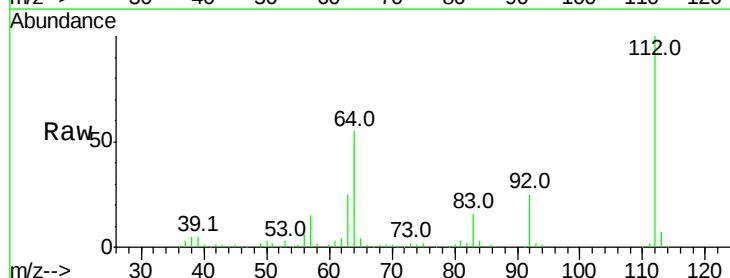
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



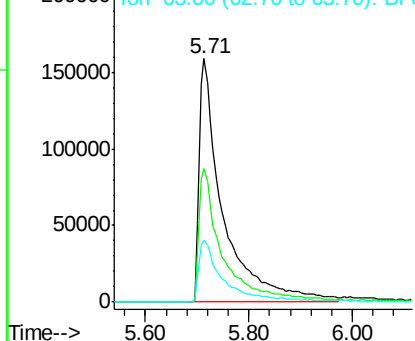
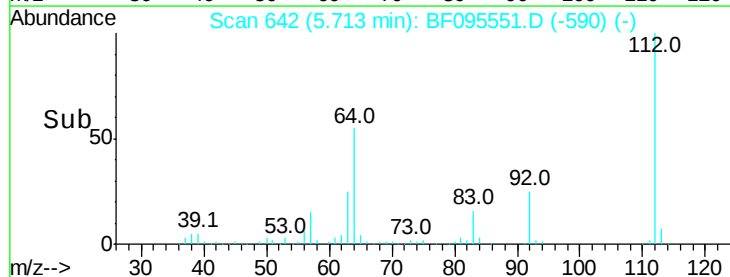
#5

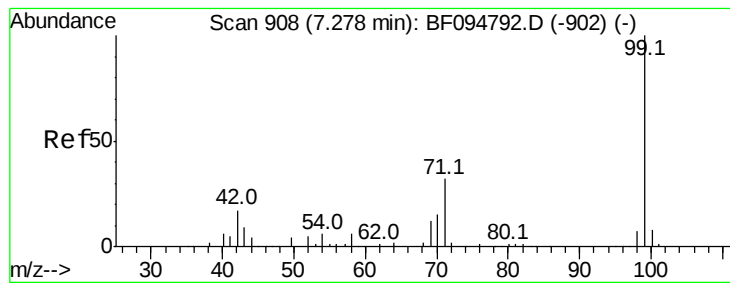
2-Fluorophenol
Concen: 91.51 ng
RT: 5.71 min Scan# 642
Delta R.T. 0.01 min
Lab File: BF095551.D
Acq: 30 May 2017 23:37

Tgt Ion:112 Resp: 508178
Ion Ratio Lower Upper
112 100
64 54.7 46.0 69.0
63 25.4 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: 90.00 ng

RT: 7.30 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF095551.D

Acq: 30 May 2017 23:37

Instrument :

BNA_F

ClientSampled :

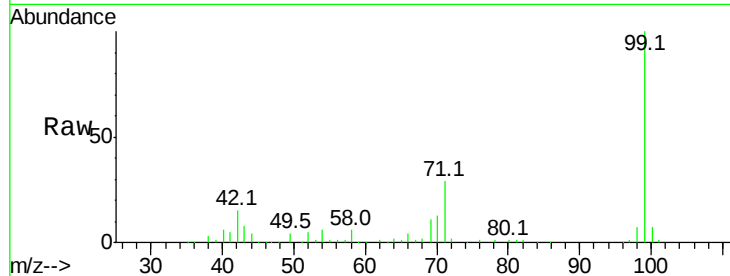
Tot Ion: 99 Resp: 599677

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

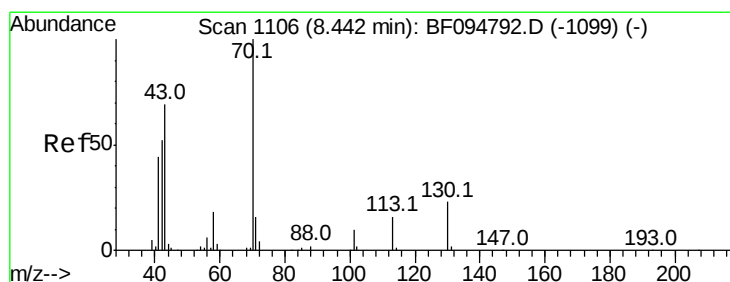
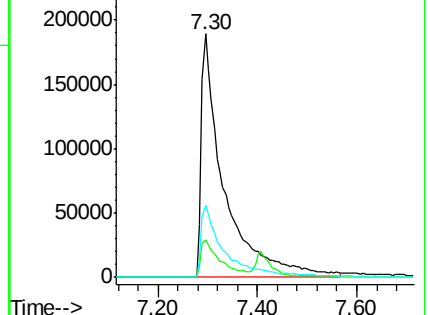
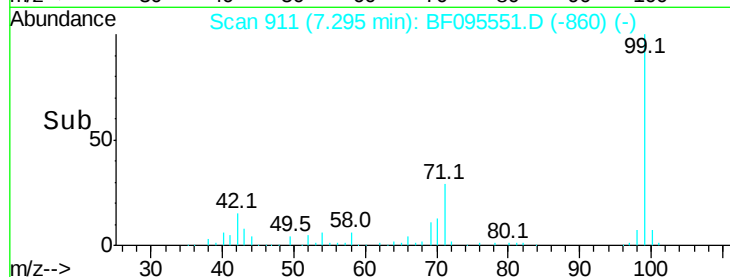
71 29.5 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 7.61 ng

RT: 8.65 min Scan# 1141

Delta R.T. 0.19 min

Lab File: BF095551.D

Acq: 30 May 2017 23:37

Tgt Ion: 70 Resp: 34274

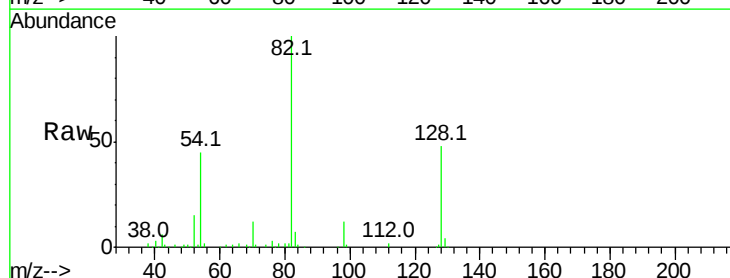
Ion Ratio Lower Upper

70 100

42 53.4 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

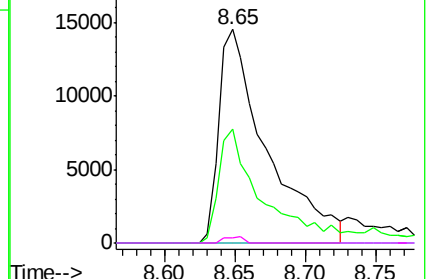
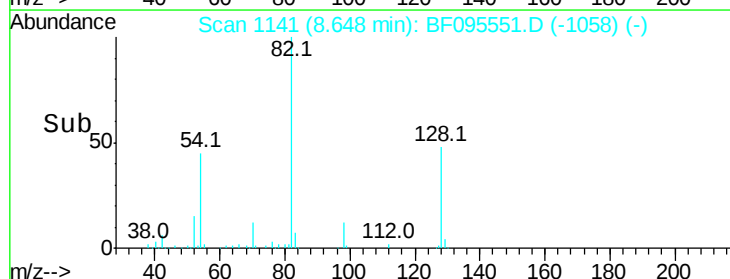


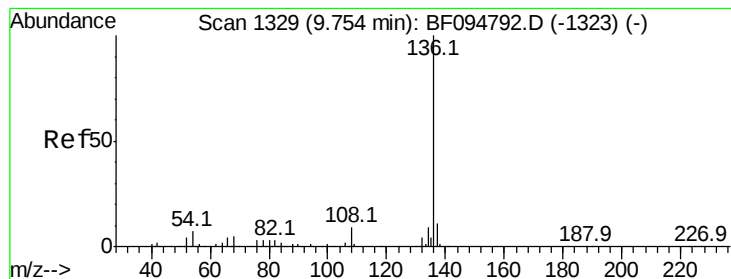
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.77 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF095551.D

Acq: 30 May 2017 23:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 346779

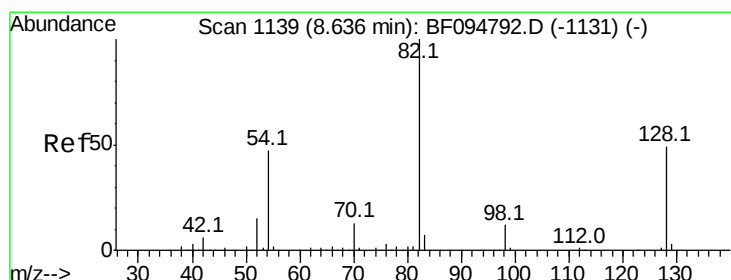
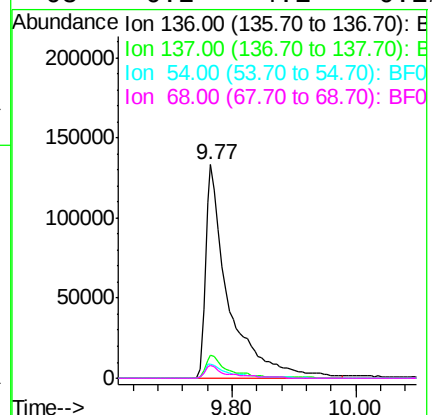
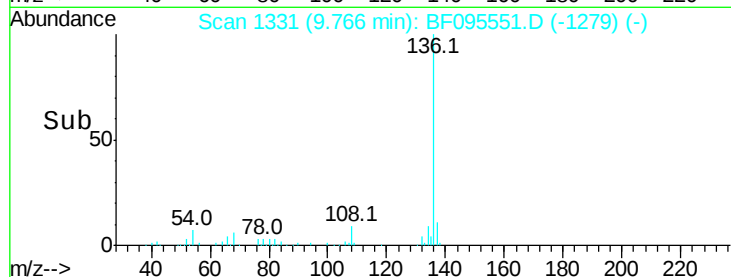
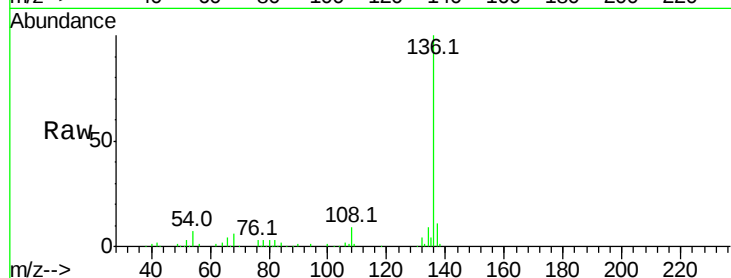
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.6 4.9 7.3

68 6.2 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 55.97 ng

RT: 8.65 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF095551.D

Acq: 30 May 2017 23:37

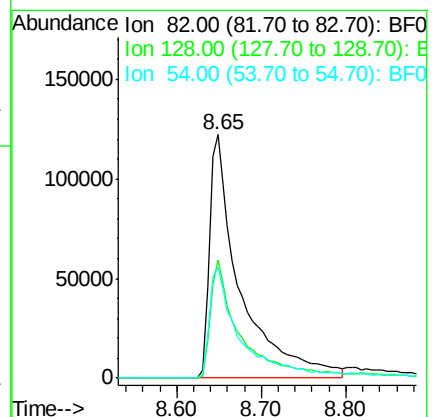
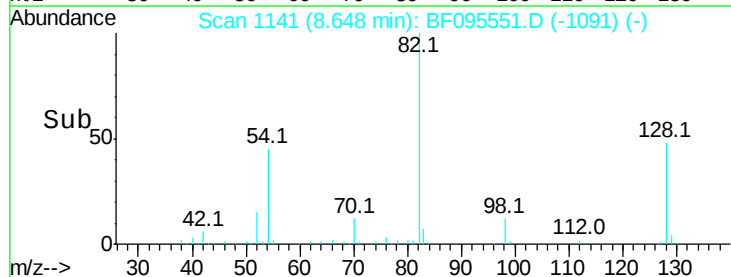
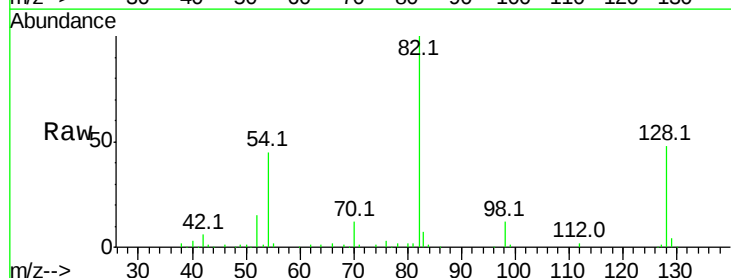
Tgt Ion: 82 Resp: 307800

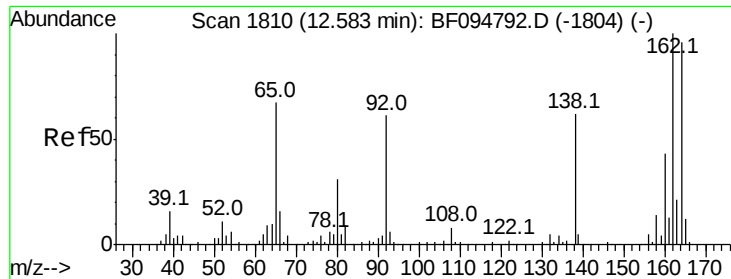
Ion Ratio Lower Upper

82 100

128 48.4 34.0 51.0

54 45.1 42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.60 min Scan# 1813

Delta R.T. 0.01 min

Lab File: BF095551.D

Acq: 30 May 2017 23:37

Instrument :

BNA_F

ClientSampleId :

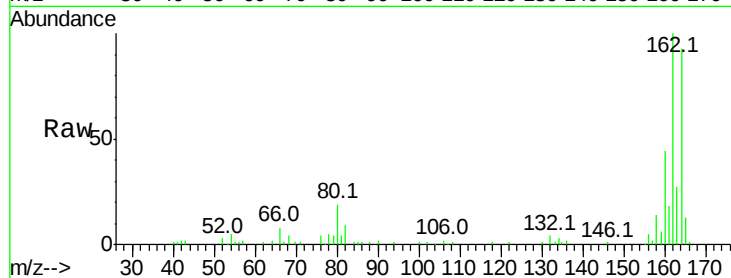
Tot Ion:164 Resp: 134092

Ion Ratio Lower Upper

164 100

162 107.4 82.6 123.8

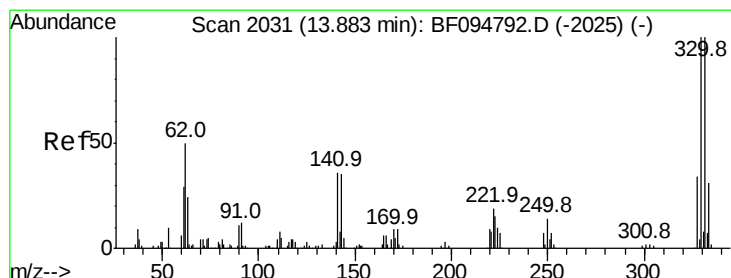
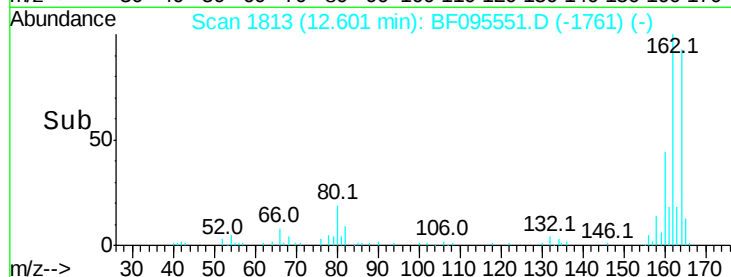
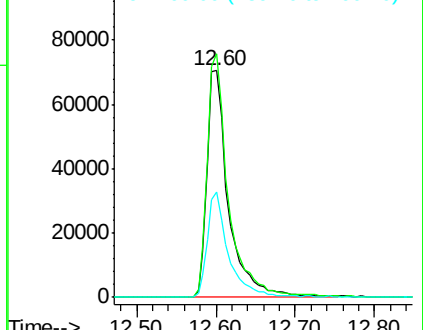
160 46.7 36.2 54.2



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: 74.25 ng

RT: 13.91 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF095551.D

Acq: 30 May 2017 23:37

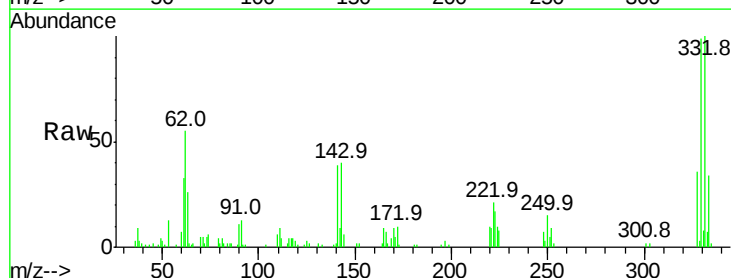
Tgt Ion:330 Resp: 81540

Ion Ratio Lower Upper

330 100

332 98.9 76.6 115.0

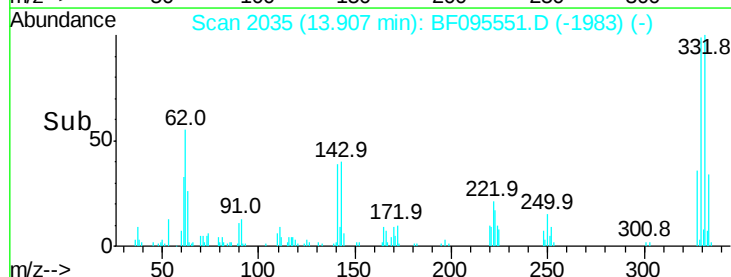
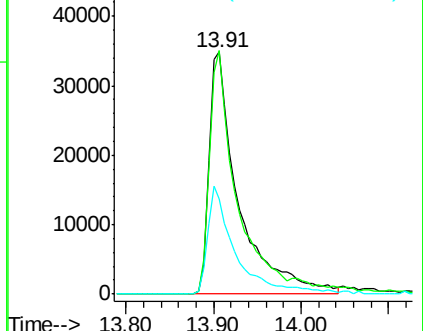
141 41.2 31.4 47.2

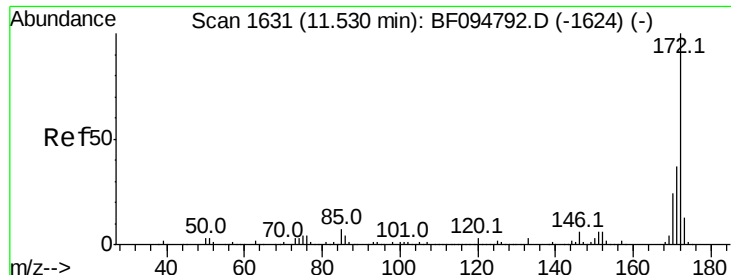


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

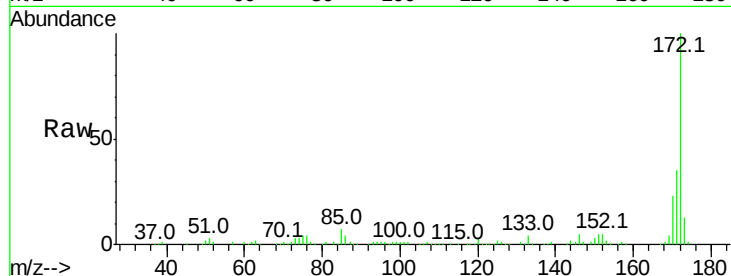




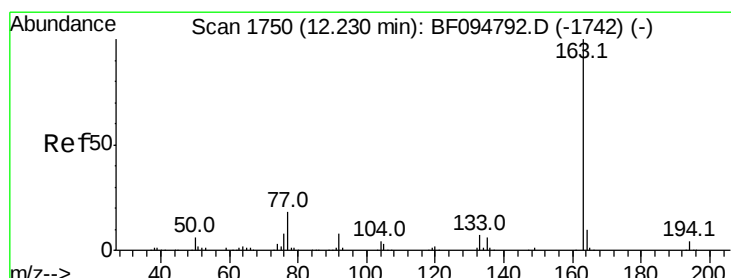
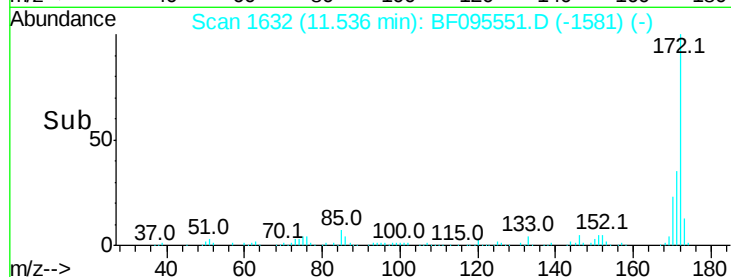
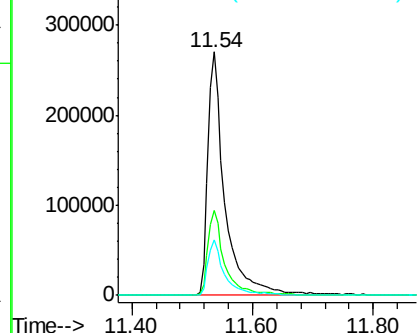
#44
 2-Fluorobiphenyl
 Concen: 57.34 ng
 RT: 11.54 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: BF095551.D
 Acq: 30 May 2017 23:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 534192
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.6 44.4
 170 22.9 19.8 29.8

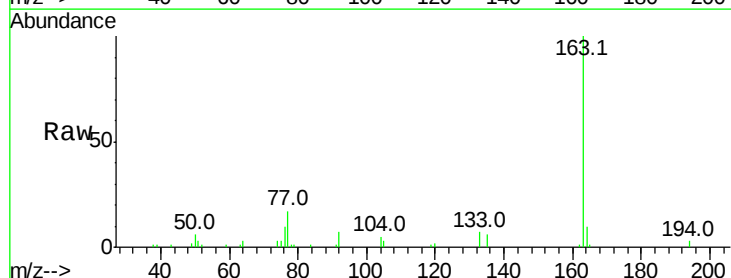


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

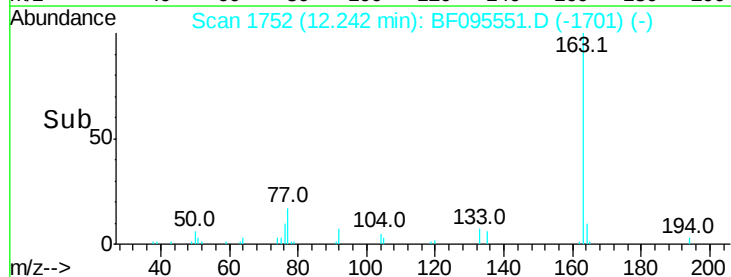
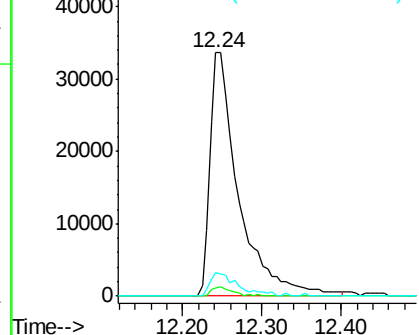


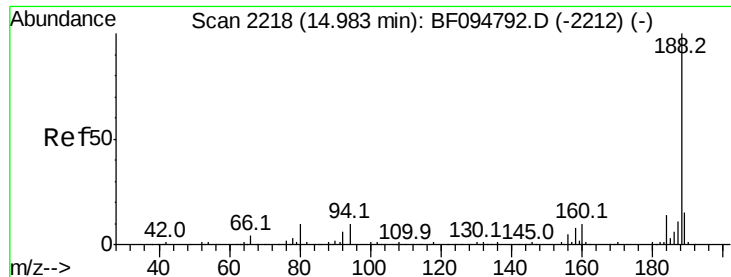
#49
 Dimethylphthalate
 Concen: 7.71 ng
 RT: 12.24 min Scan# 1752
 Delta R.T. 0.00 min
 Lab File: BF095551.D
 Acq: 30 May 2017 23:37

Tgt Ion:163 Resp: 84864
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 9.6 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

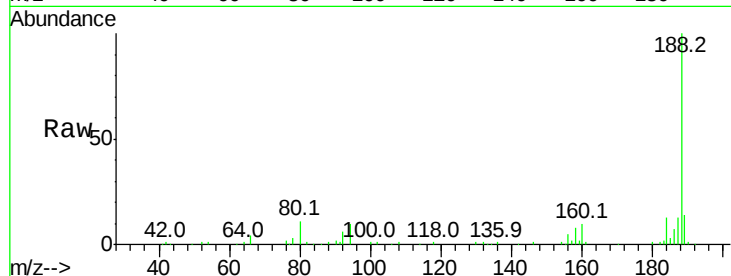




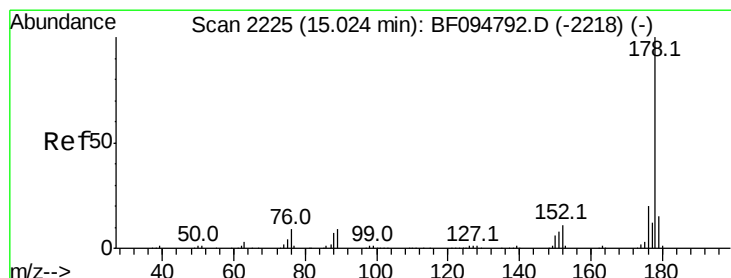
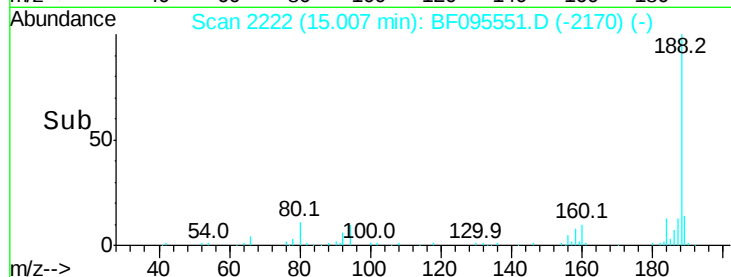
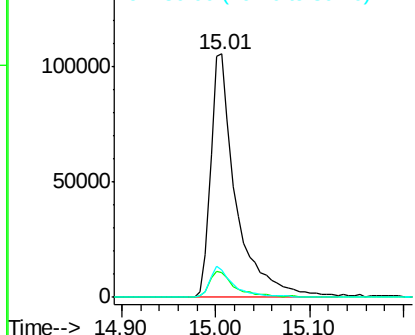
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF095551.D
Acq: 30 May 2017 23:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 200483
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 11.1 10.2 15.2

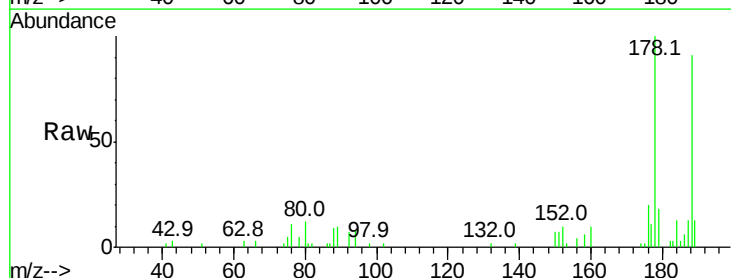


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

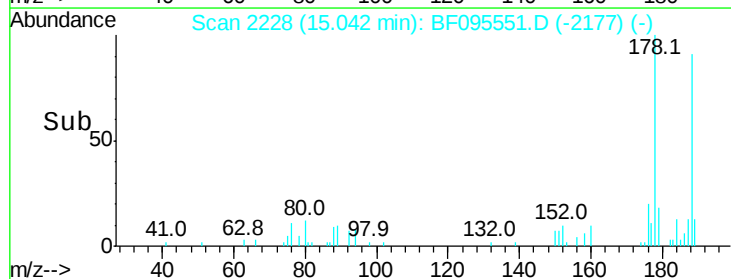
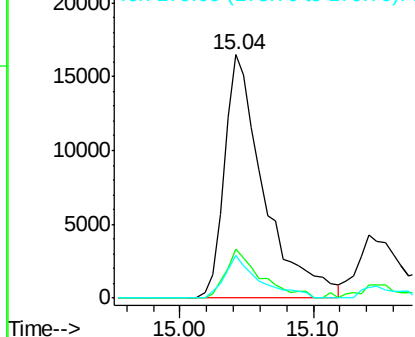


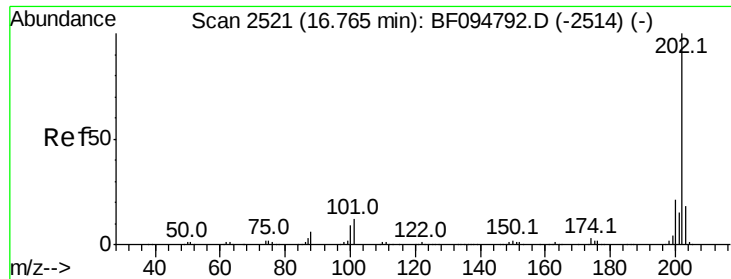
#70
Phenanthrene
Concen: 2.95 ng
RT: 15.04 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BF095551.D
Acq: 30 May 2017 23:37

Tgt Ion:178 Resp: 33980
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 17.6 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

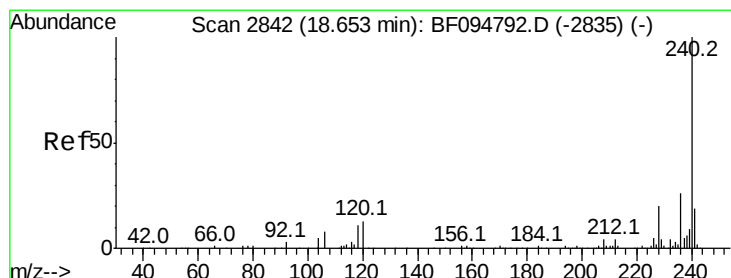
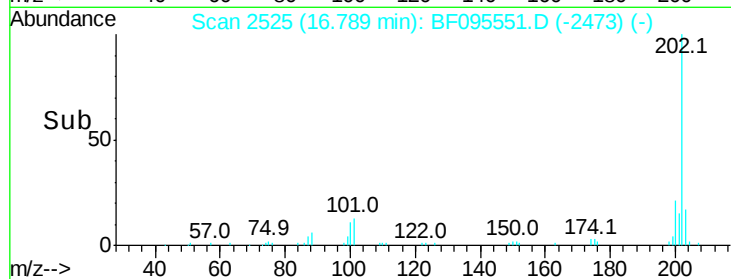
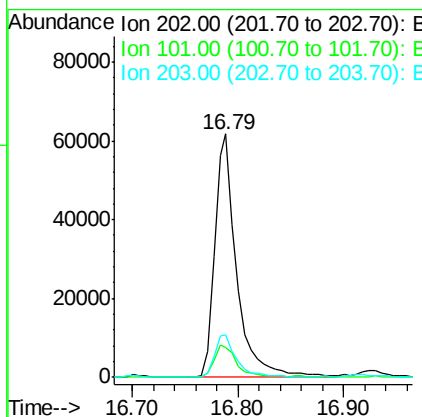
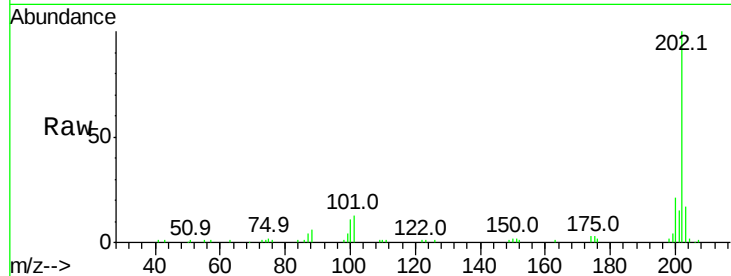




#74
 Fluoranthene
 Concen: 7.63 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. 0.01 min
 Lab File: BF095551.D
 Acq: 30 May 2017 23:37

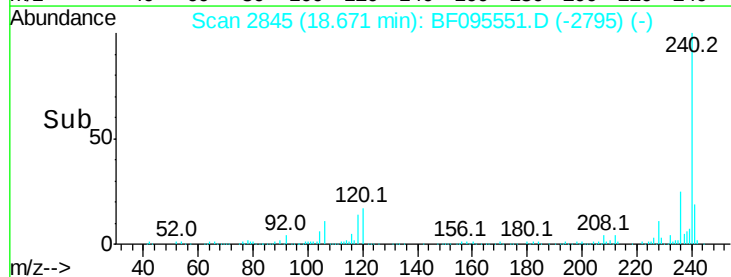
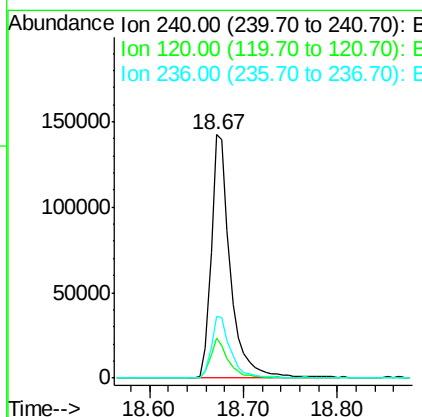
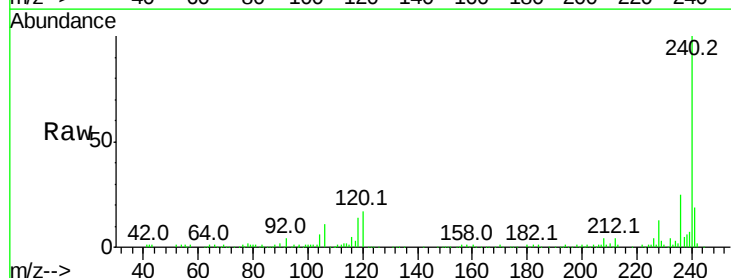
Instrument :
 BNA_F
 ClientSampleId :

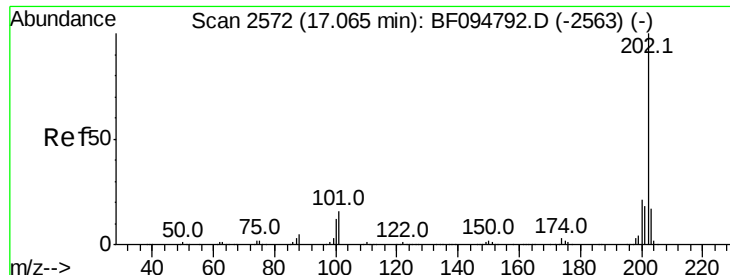
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. -0.01 min
 Lab File: BF095551.D
 Acq: 30 May 2017 23:37

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.6	5.8	8.8#
236	25.3	20.5	30.7

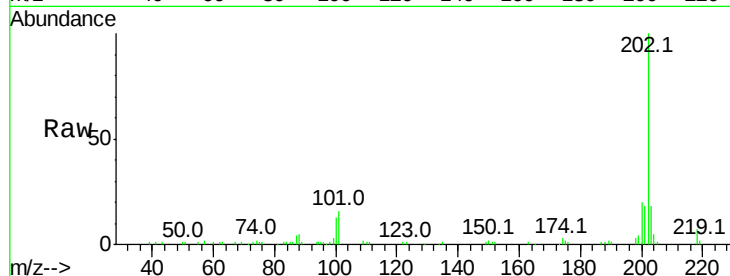




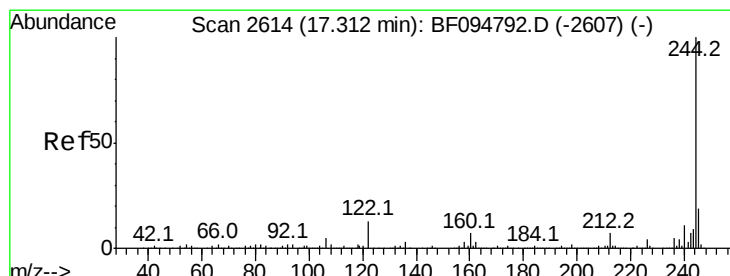
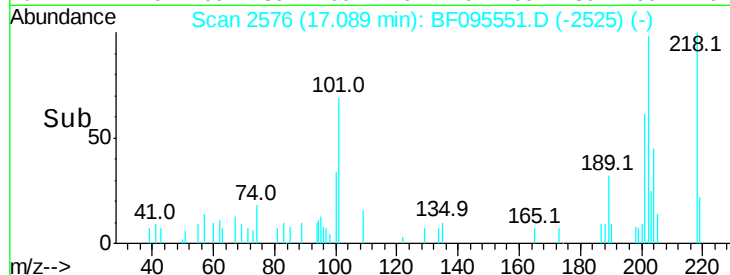
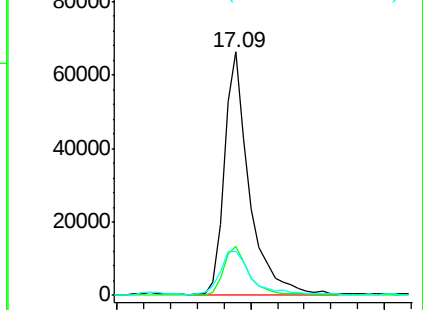
#77
Pvrene
Concen: 5.66 ng
RT: 17.09 min Scan# 2576
Delta R.T. 0.00 min
Lab File: BF095551.D
Acq: 30 May 2017 23:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 87317
Ion Ratio Lower Upper
202 100
200 20.3 17.6 26.4
203 18.0 14.4 21.6

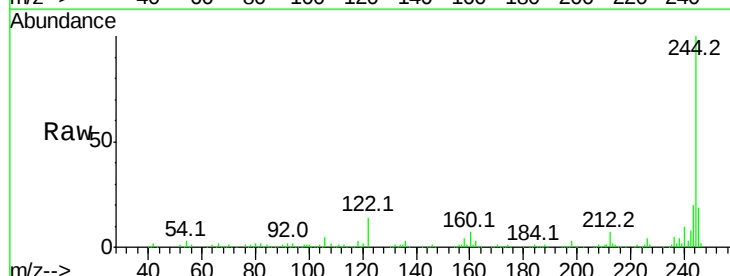


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

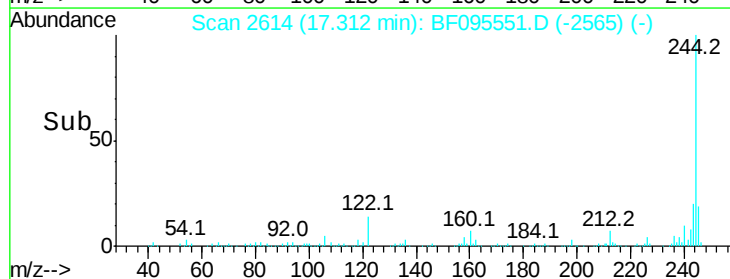
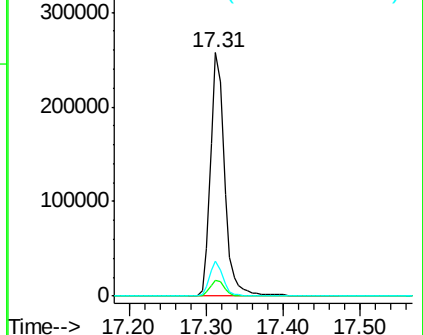


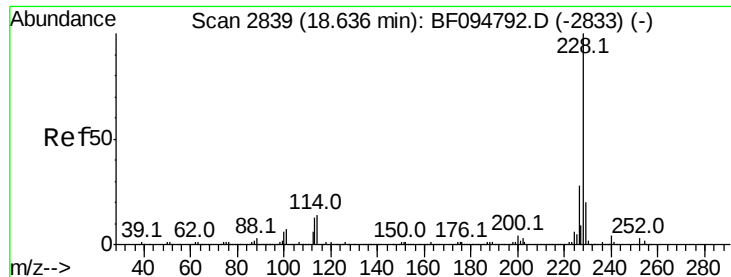
#78
Terphenyl-d14
Concen: 34.62 ng
RT: 17.31 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BF095551.D
Acq: 30 May 2017 23:37

Tgt Ion:244 Resp: 324192
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 14.4 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: 3.66 ng

RT: 18.71 min Scan# 2851

Delta R.T. 0.04 min

Lab File: BF095551.D

Acq: 30 May 2017 23:37

Instrument :

BNA_F

ClientSampleId :

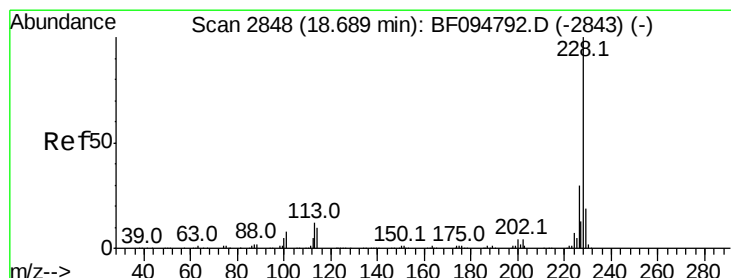
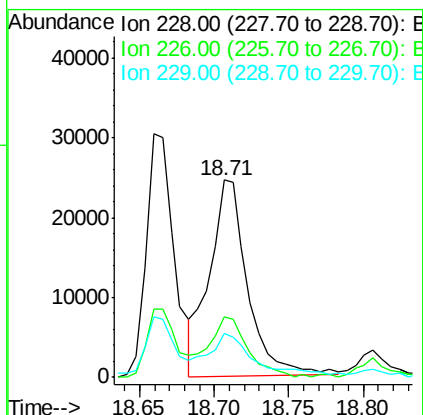
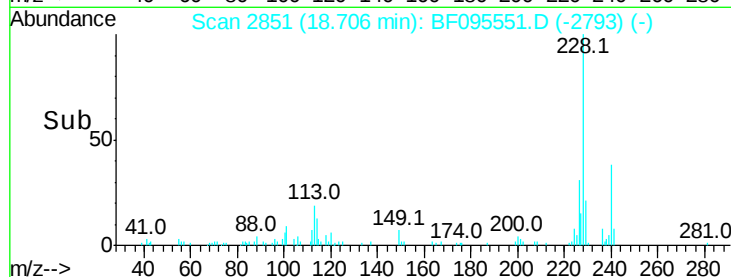
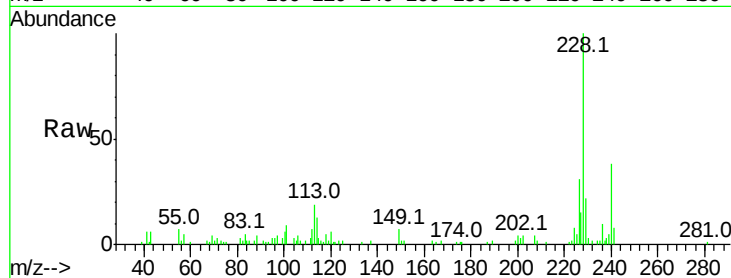
Tot Ion:228 Resp: 43878

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

229 22.3 16.3 24.5



#82

Chrysene

Concen: 3.78 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF095551.D

Acq: 30 May 2017 23:37

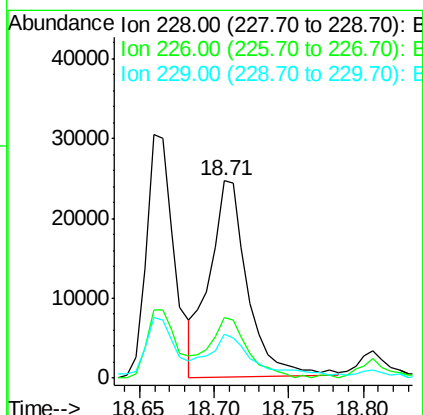
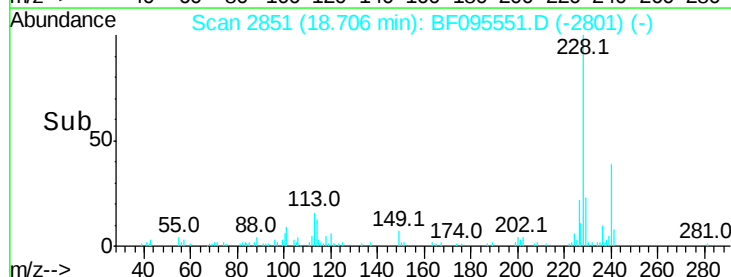
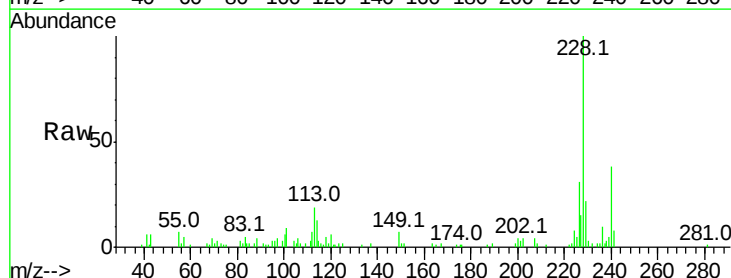
Tgt Ion:228 Resp: 43878

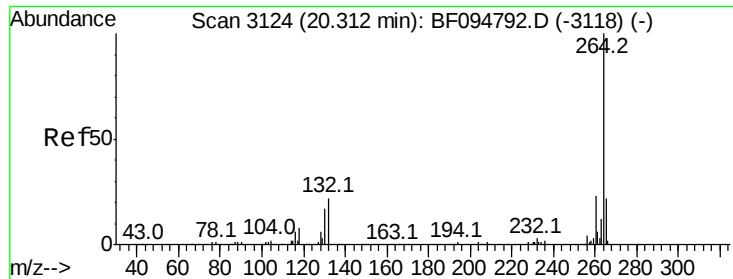
Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

229 22.3 15.8 23.6

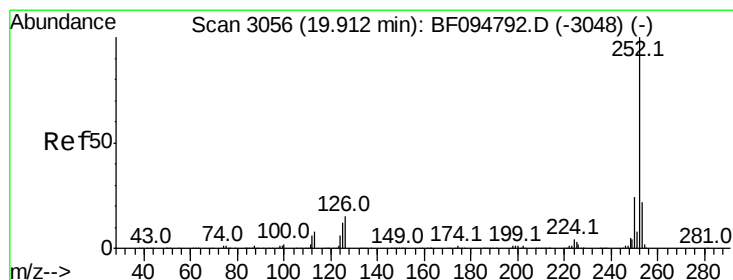
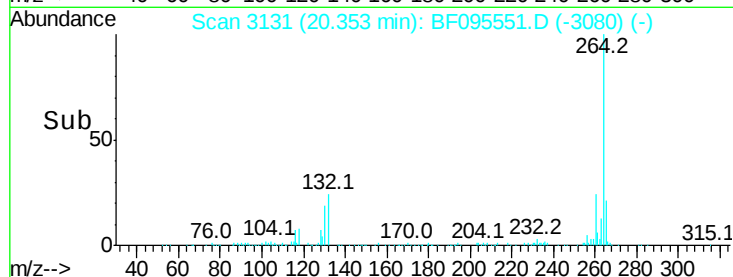
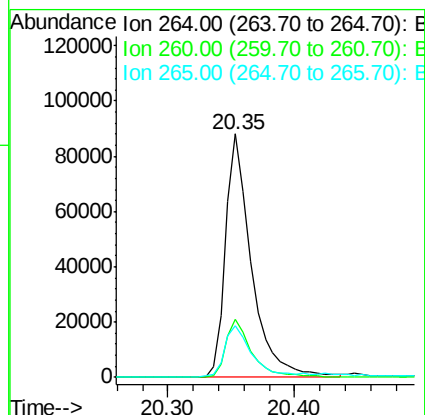
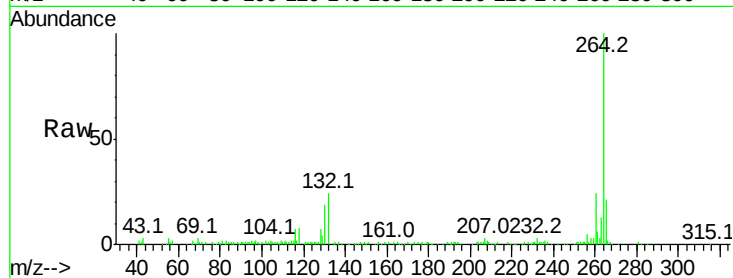




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095551.D
Acq: 30 May 2017 23:37

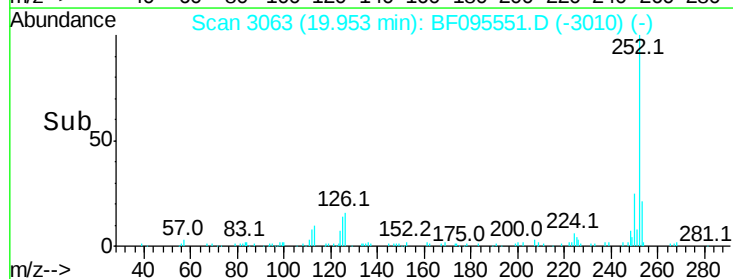
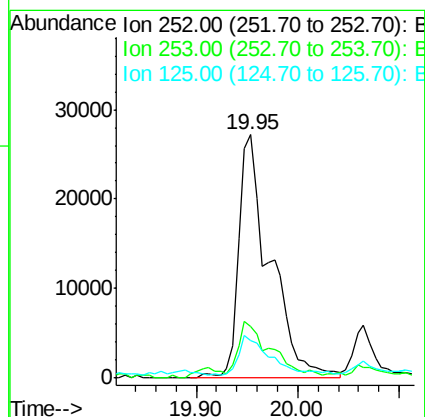
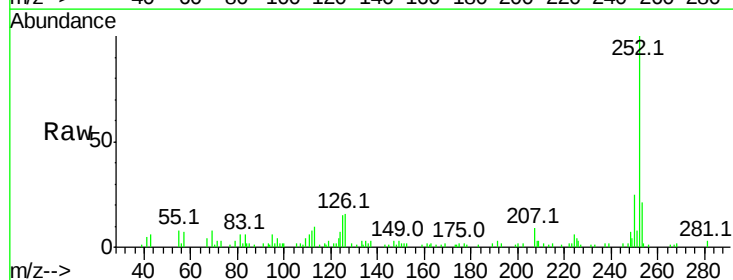
Instrument :
BNA_F
ClientSampleId :

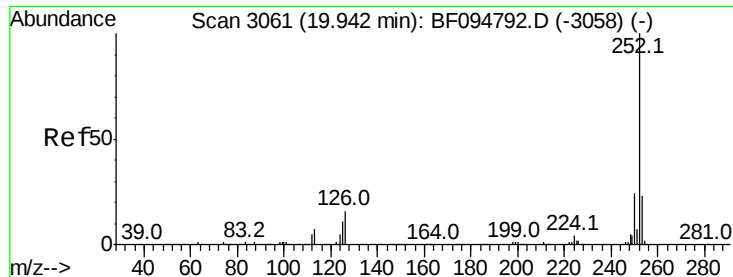
Tot Ion:264 Resp: 125218
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 21.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.55 ng
RT: 19.95 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BF095551.D
Acq: 30 May 2017 23:37

Tgt Ion:252 Resp: 58391
Ion Ratio Lower Upper
252 100
253 21.3 18.1 27.1
125 15.2 9.8 14.8#

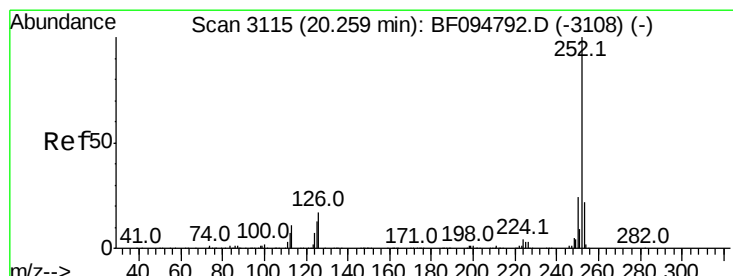
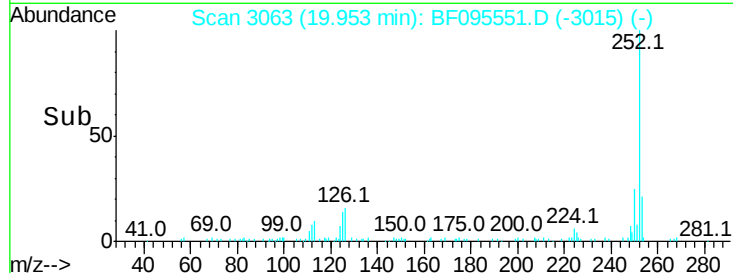
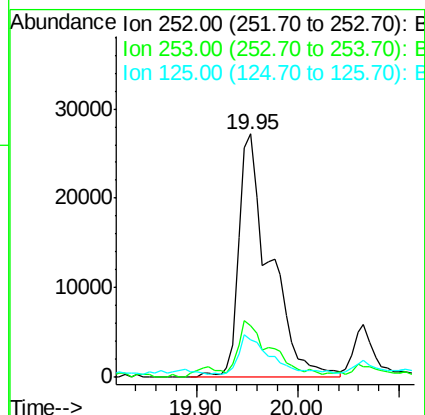
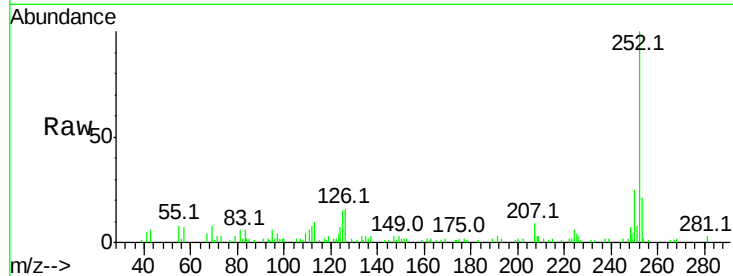




#88
Benzo(k)fluoranthene
Concen: 7.82 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.02 min
Lab File: BF095551.D
Acq: 30 May 2017 23:37

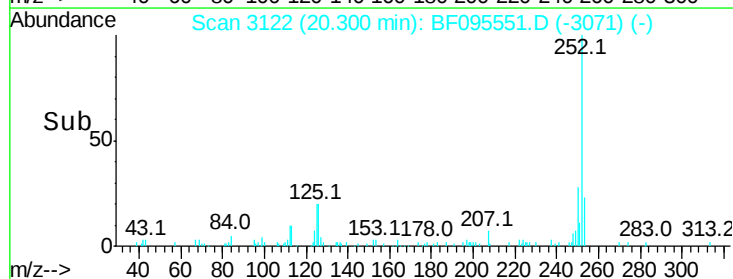
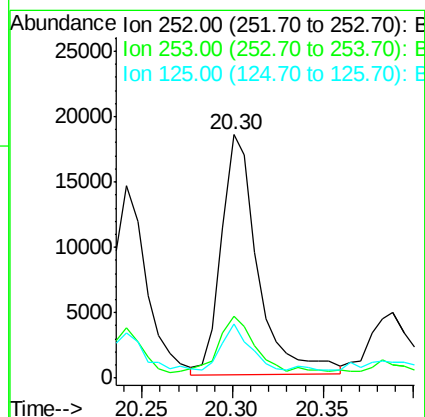
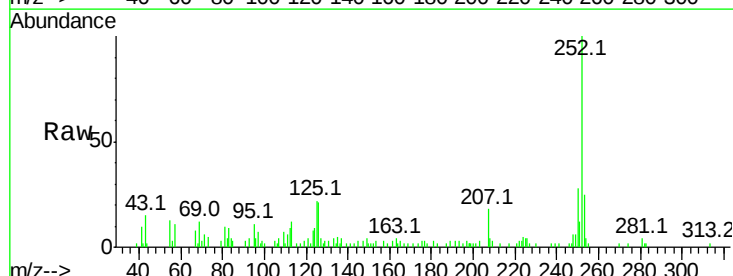
Instrument :
BNA_F
ClientSampleId :

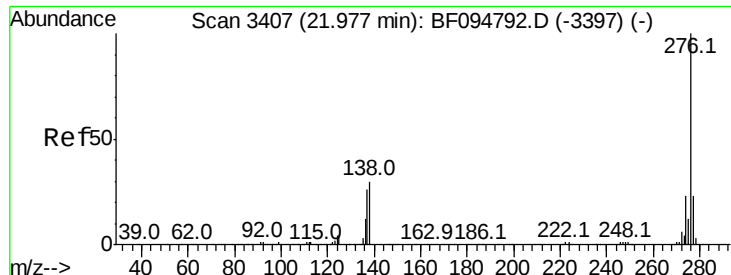
Tot Ion:252 Resp: 58391
Ion Ratio Lower Upper
252 100
253 21.3 18.4 27.6
125 15.2 13.1 19.7



#89
Benzo(a)pyrene
Concen: 3.62 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095551.D
Acq: 30 May 2017 23:37

Tgt Ion:252 Resp: 25814
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 22.1 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.73 ng

RT: 22.10 min Scan# 3428

Delta R.T. 0.03 min

Lab File: BF095551.D

Acq: 30 May 2017 23:37

Instrument :

BNA_F

ClientSampleId :

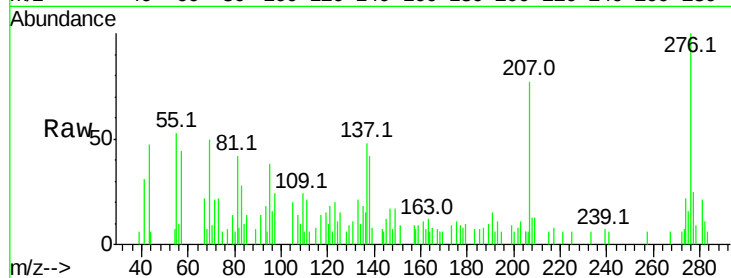
Tot Ion:276 Resp: 15783

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 41.9 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

