

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\
 Data File : BF095728.D
 Acq On : 7 Jun 2017 1:20
 Operator : SJ/MA
 Sample : I3481-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 07 02:50:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

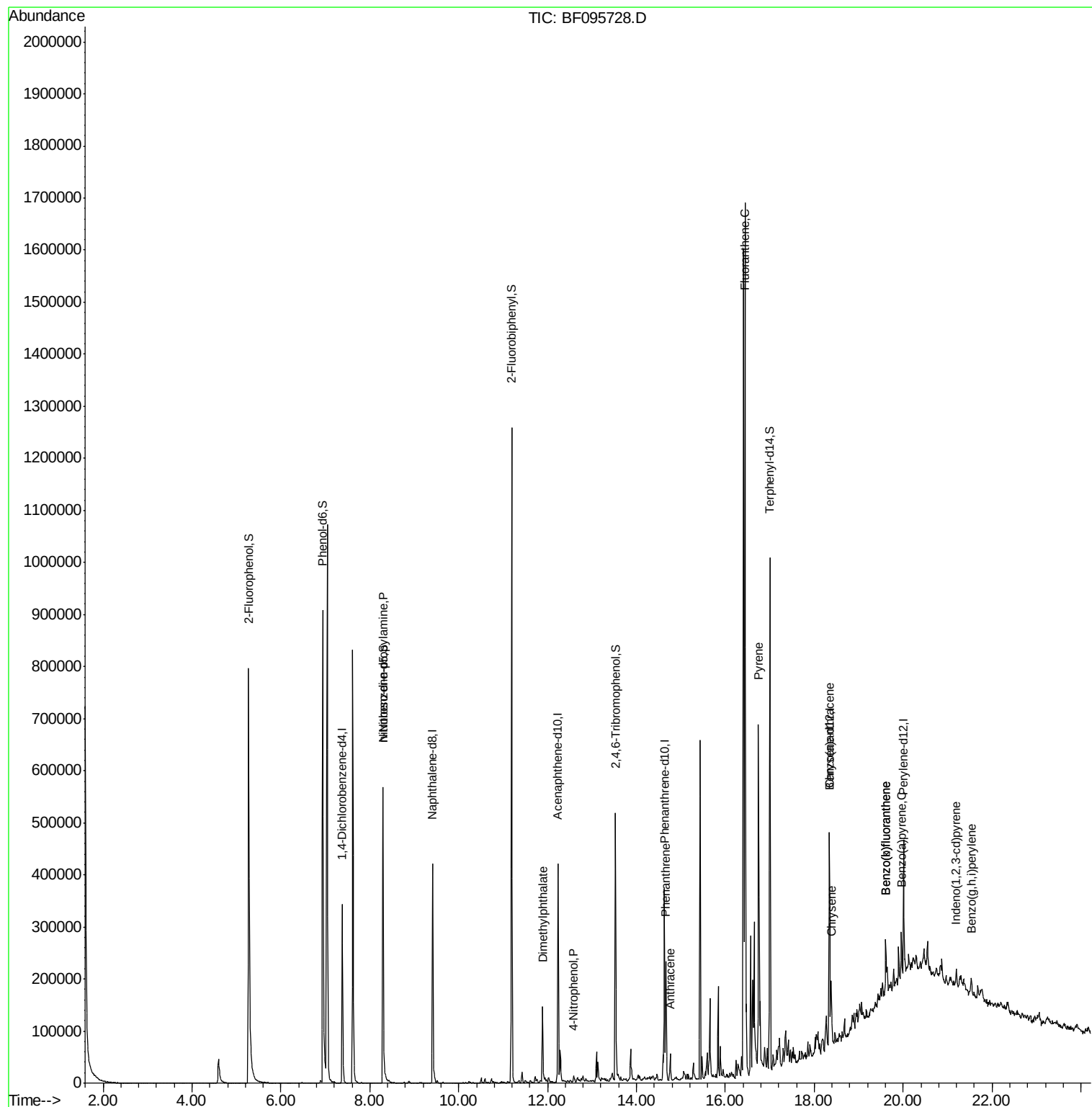
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	76582	20.00	ng	-0.02
21) Naphthalene-d8	9.41	136	292721	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	117439	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	173346	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	144787	20.00	ng	-0.01
86) Perylene-d12	20.02	264	104180	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	442907	92.16	ng	-0.01
7) Phenol-d6	6.94	99	515052	89.52	ng	-0.02
23) Nitrobenzene-d5	8.29	82	292952	62.15	ng	-0.03
41) 2,4,6-Tribromophenol	13.53	330	81394	78.33	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	543597	64.41	ng	-0.02
78) Terphenyl-d14	17.00	244	342253	58.66	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.30	70	37627	10.32	ng	# 73
49) Dimethylphthalate	11.89	163	82115	9.21	ng	98
55) 4-Nitrophenol	12.59	139	3023	6.78	ng	# 25
70) Phenanthrene	14.66	178	127970	12.79	ng	97
71) Anthracene	14.76	178	31615	3.03	ng	94
74) Fluoranthene	16.44	202	161972	16.36	ng	94
77) Pyrene	16.74	202	166252	15.39	ng	96
80) Benzo(a)anthracene	18.33	228	63133	7.50	ng	97
82) Chrysene	18.37	228	61435	7.30	ng	97
85) Indeno(1,2,3-cd)pyrene	21.20	276	19972	2.77	ng	98
87) Benzo(b)fluoranthene	19.61	252	76508	11.73	ng	# 92
88) Benzo(k)fluoranthene	19.61	252	76508	12.27	ng	96
89) Benzo(a)pyrene	19.96	252	39431	6.58	ng	# 93
91) Benzo(a,h,i)perylene	21.53	276	19621	3.78	ng	93

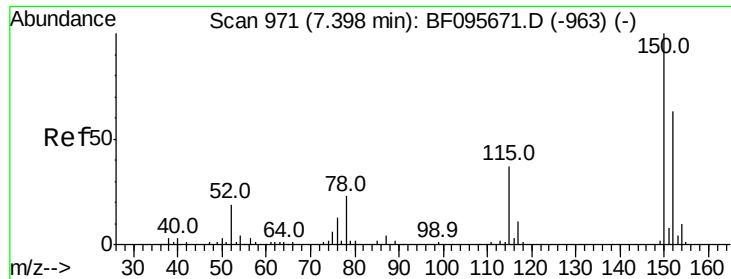
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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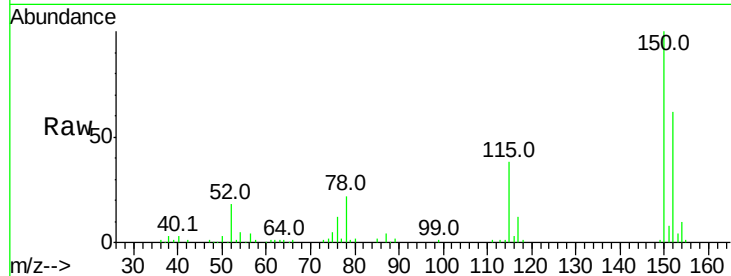


#1

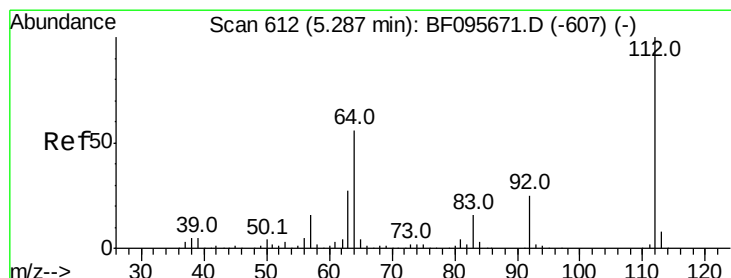
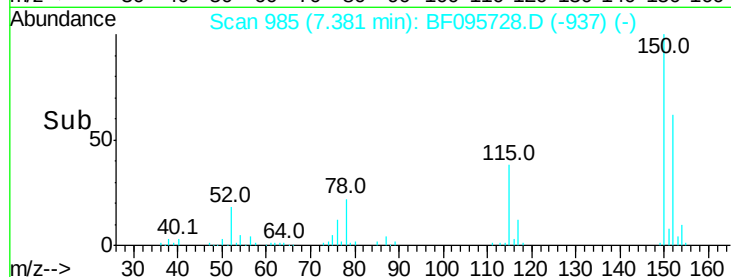
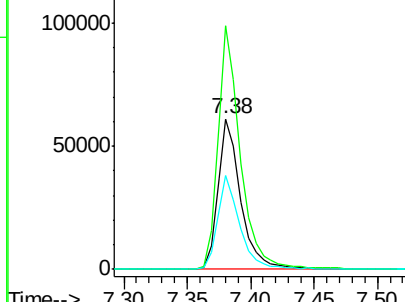
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 76582
Ion Ratio Lower Upper
152 100
150 161.8 126.2 189.2
115 62.3 52.2 78.2



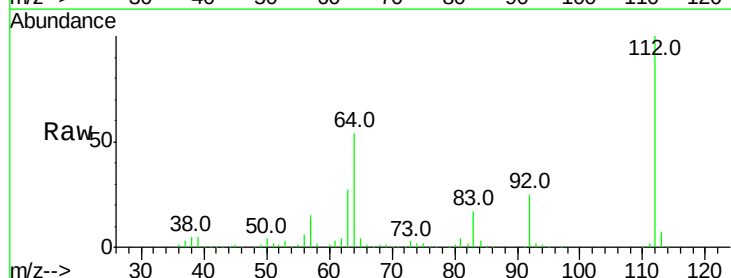
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



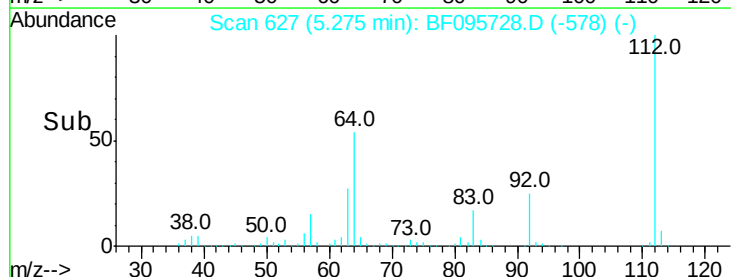
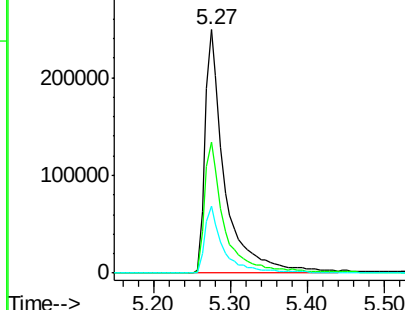
#5

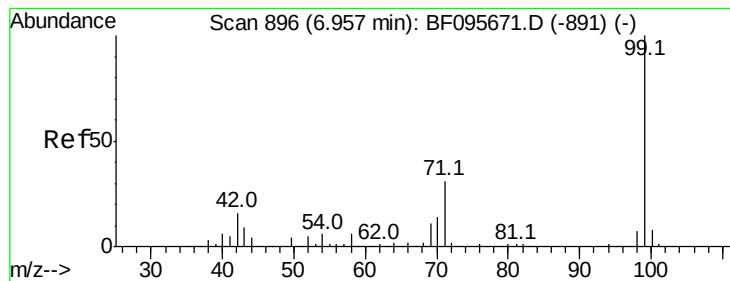
2-Fluorophenol
Concen: 92.16 ng
RT: 5.27 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Tgt Ion:112 Resp: 442907
Ion Ratio Lower Upper
112 100
64 53.9 46.0 69.0
63 27.3 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: 89.52 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

Instrument :

BNA_F

ClientSampleId :

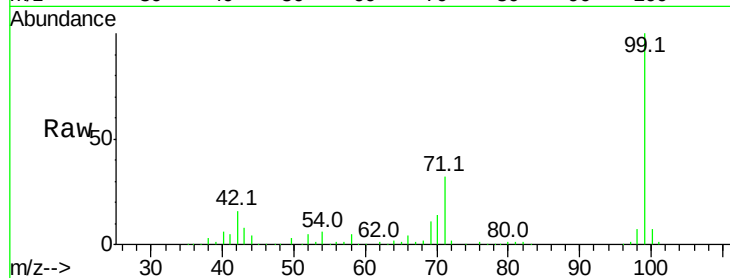
Tot Ion: 99 Resp: 515052

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

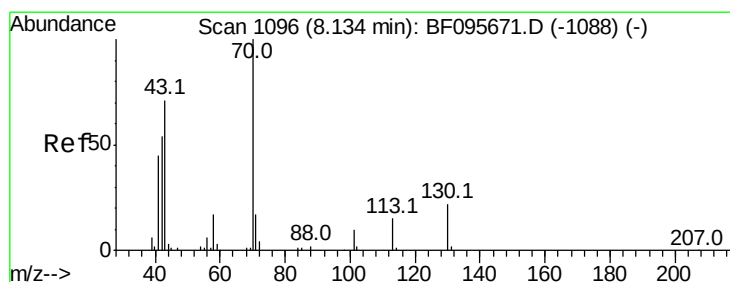
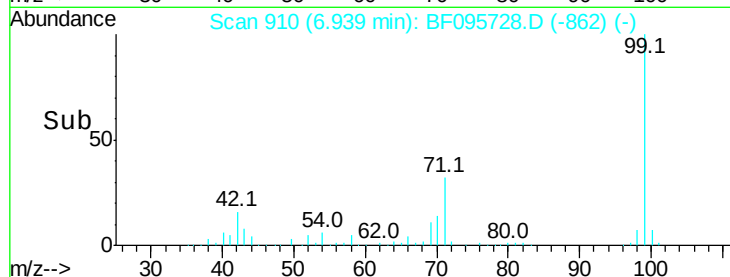
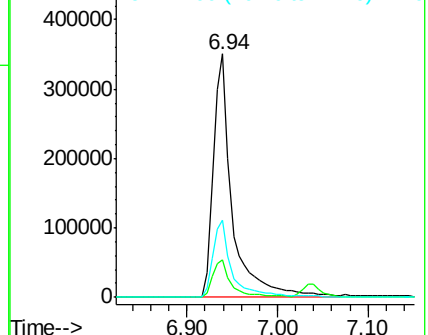
71 31.9 24.5 36.7



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: 10.32 ng

RT: 8.30 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

Tgt Ion: 70 Resp: 37627

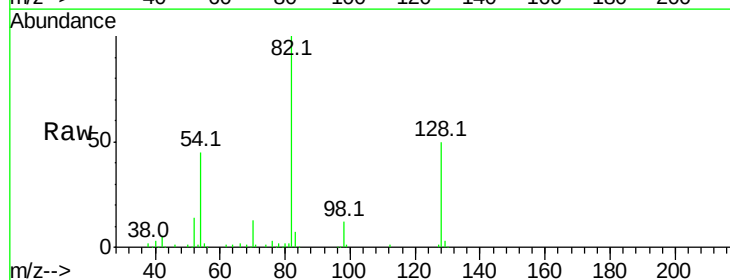
Ion Ratio Lower Upper

70 100

42 41.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

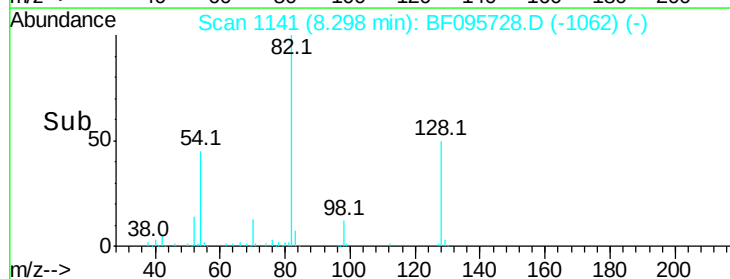
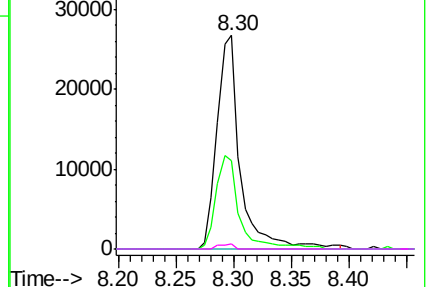


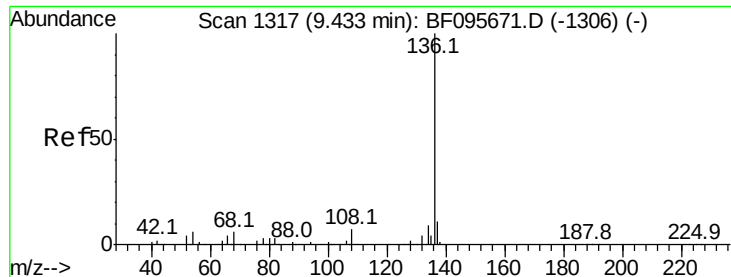
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.41 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 292721

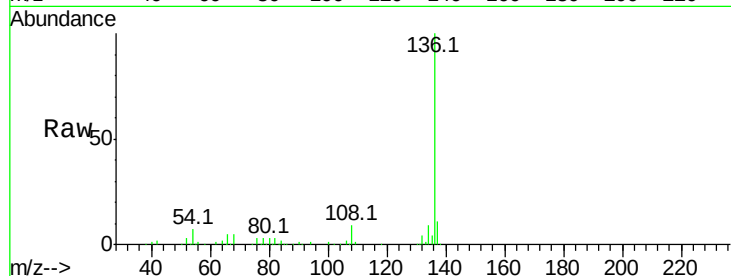
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.9 4.9 7.3

68 5.3 4.1 6.1

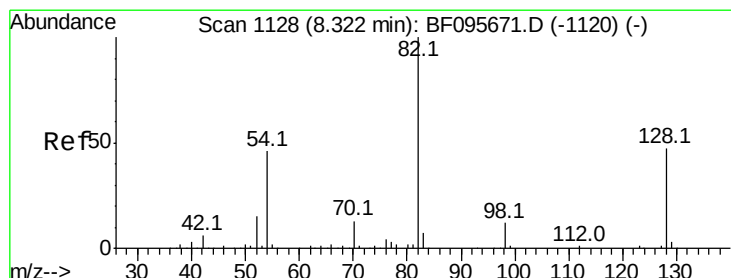
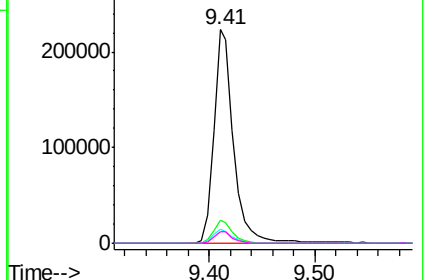
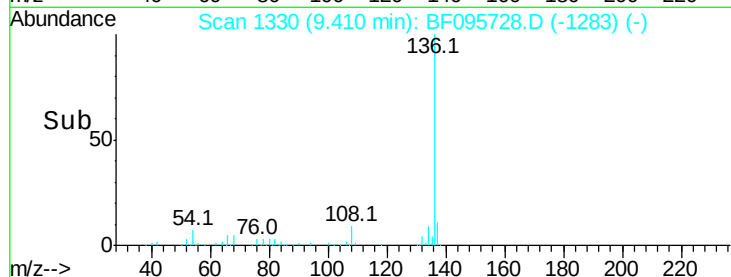


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.15 ng

RT: 8.29 min Scan# 1140

Delta R.T. -0.03 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

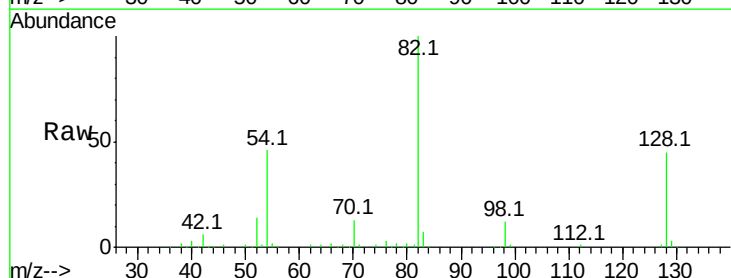
Tgt Ion: 82 Resp: 292952

Ion Ratio Lower Upper

82 100

128 45.2 34.0 51.0

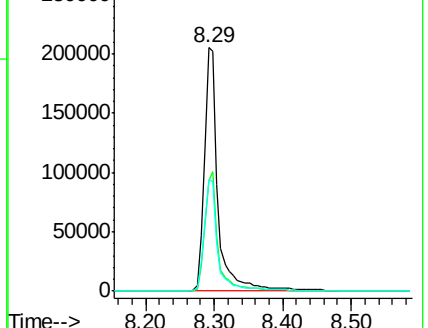
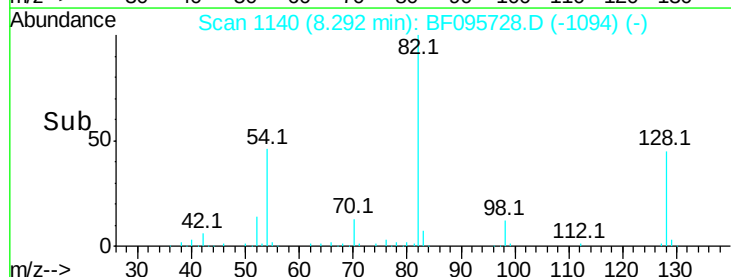
54 45.8 42.2 63.2

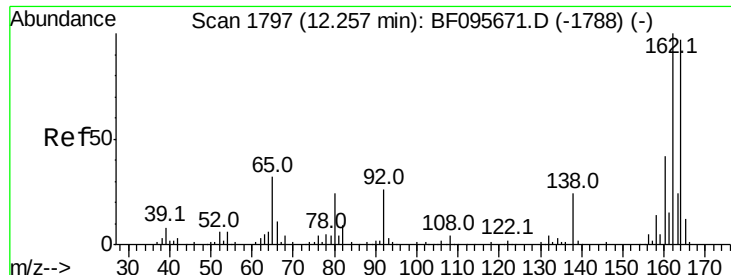


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.23 min Scan# 1810

Delta R.T. -0.02 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

Instrument :

BNA_F

ClientSampleId :

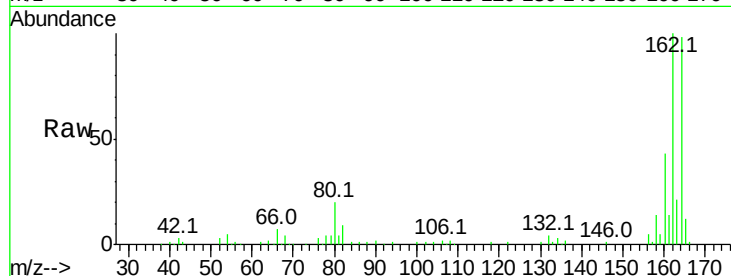
Tot Ion:164 Resp: 117439

Ion Ratio Lower Upper

164 100

162 101.7 82.6 123.8

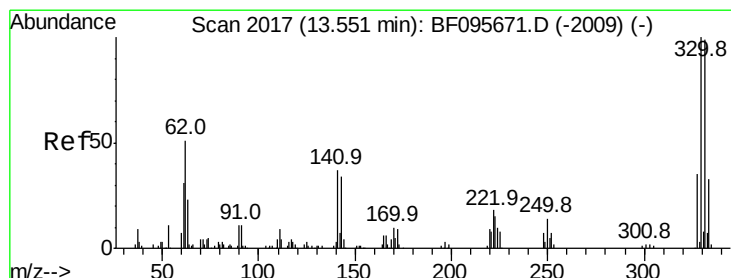
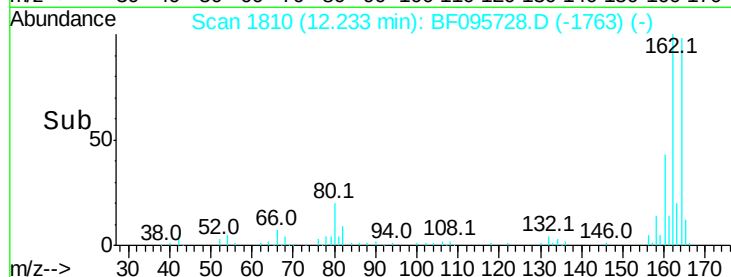
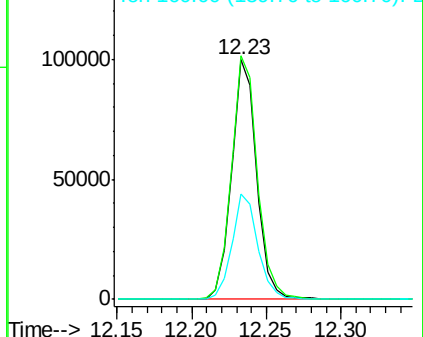
160 44.0 36.2 54.2



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: 78.33 ng

RT: 13.53 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

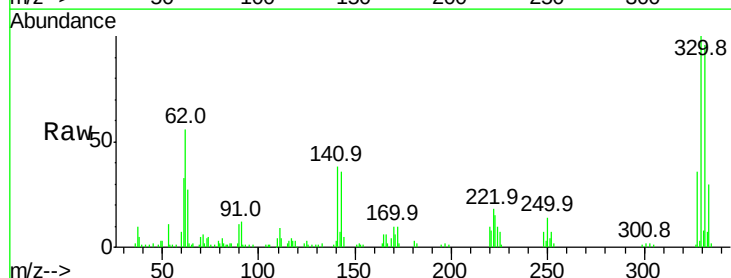
Tgt Ion:330 Resp: 81394

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

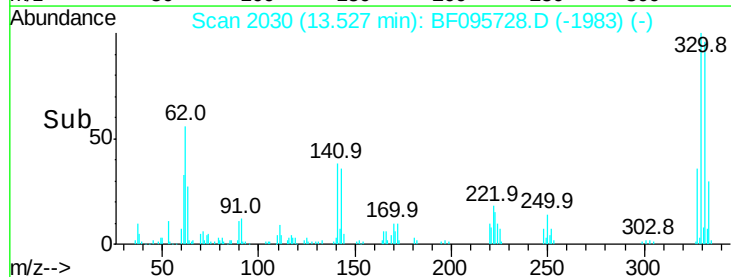
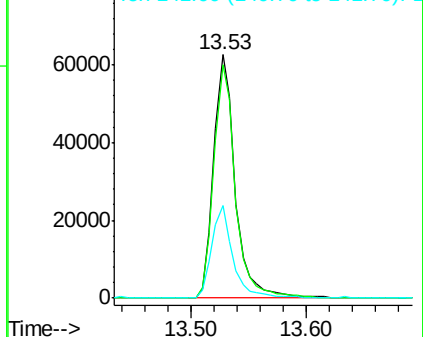
141 37.5 31.4 47.2

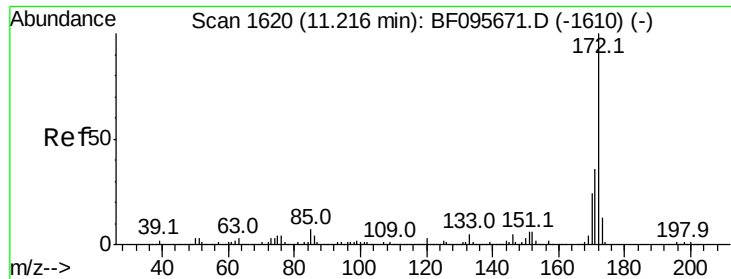


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

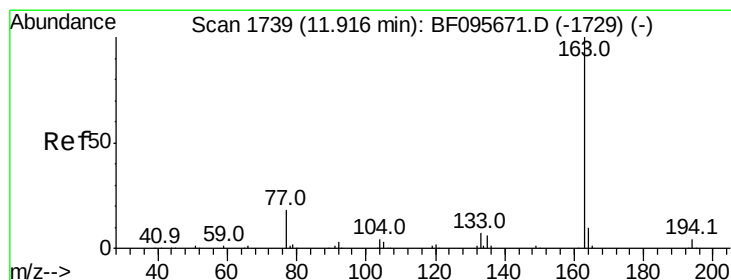
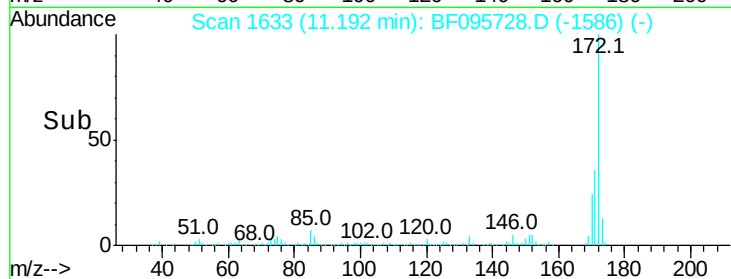
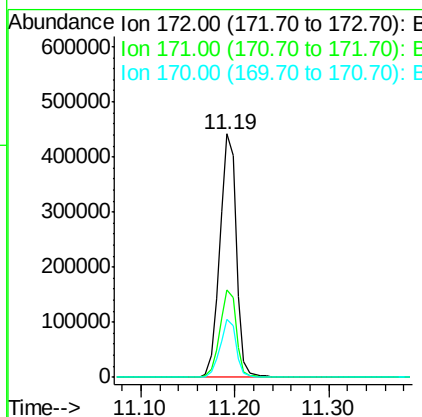
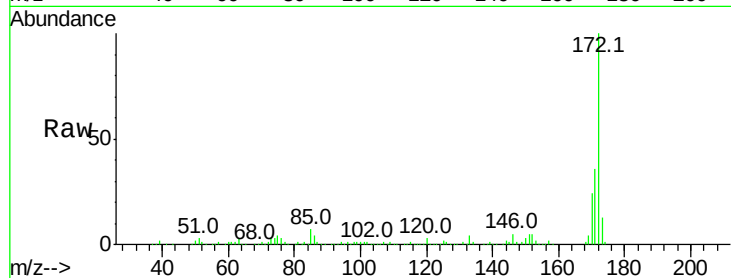




#44
2-Fluorobiphenyl
Concen: 64.41 ng
RT: 11.19 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

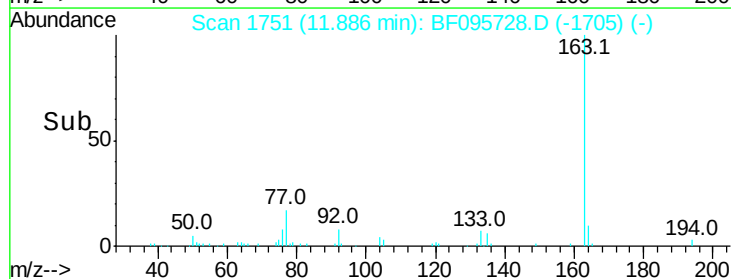
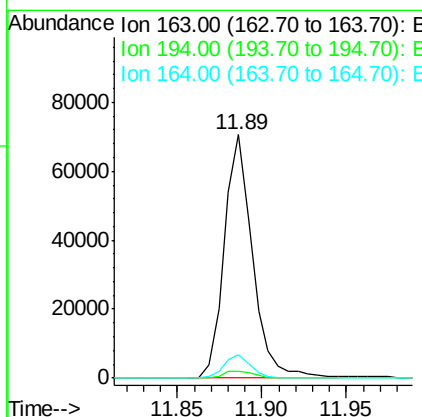
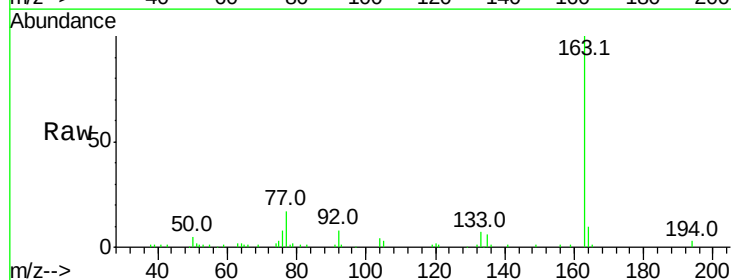
Instrument :
BNA_F
ClientSampleId :

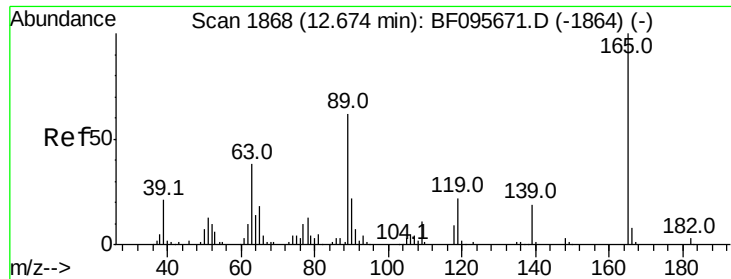
Tot Ion:172 Resp: 543597
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.7 19.8 29.8



#49
Dimethylphthalate
Concen: 9.21 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Tgt Ion:163 Resp: 82115
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 9.6 8.4 12.6

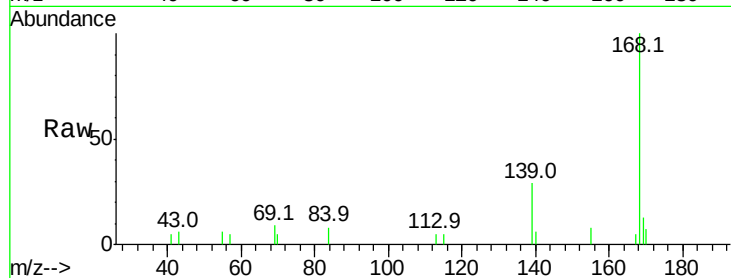




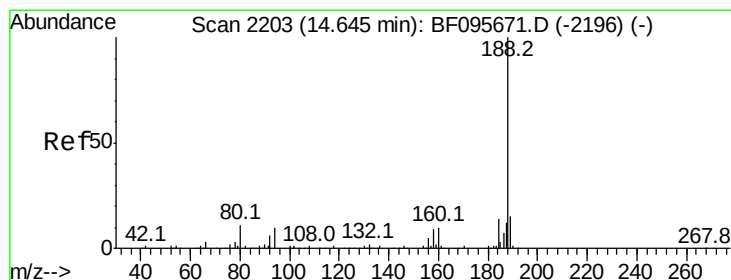
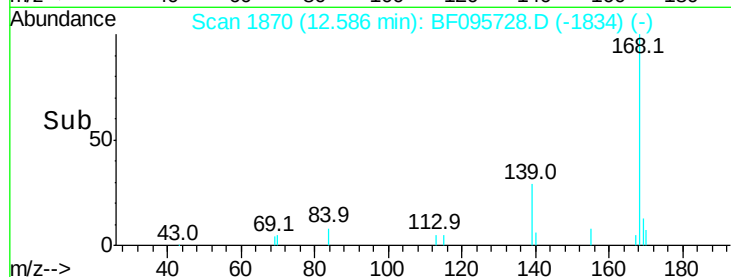
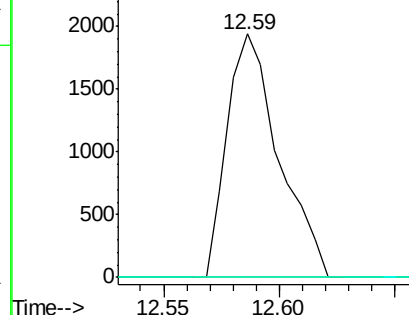
#55
4-Nitrophenol
Concen: 6.78 ng
RT: 12.59 min Scan# 1870
Delta R.T. -0.09 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 3023
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

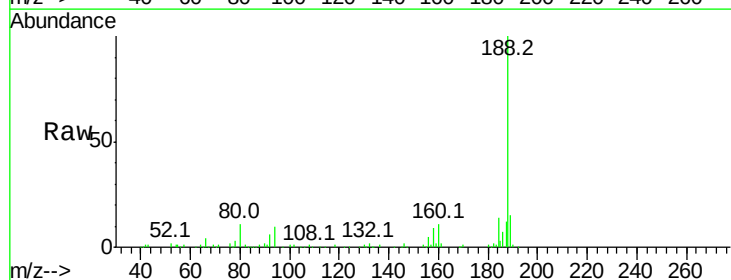


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

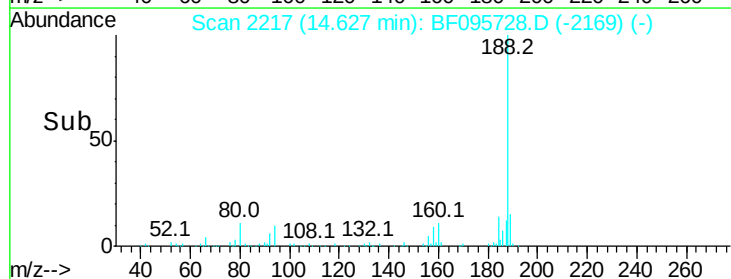
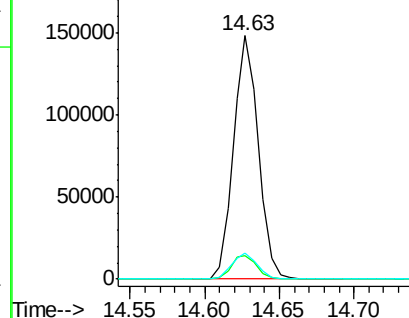


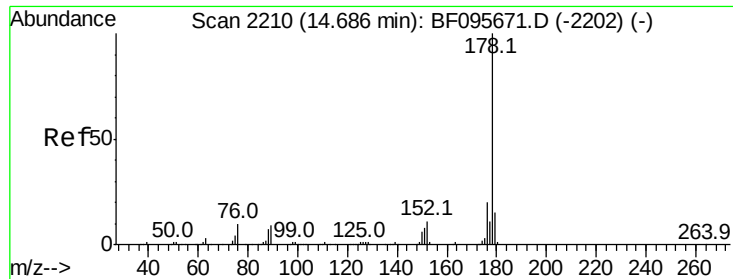
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Tgt Ion:188 Resp: 173346
Ion Ratio Lower Upper
188 100
94 9.6 9.4 14.2
80 10.6 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

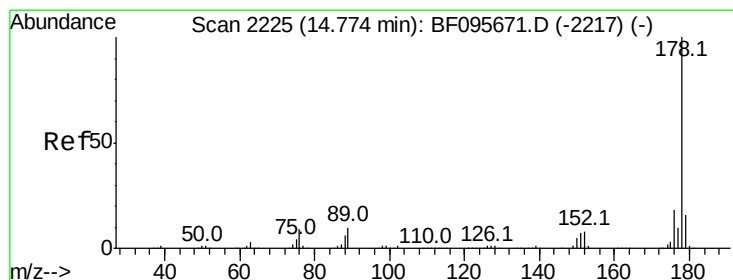
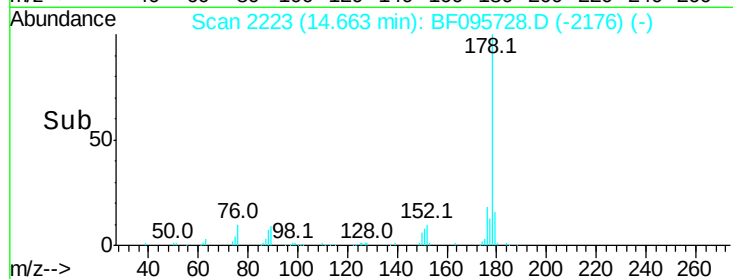
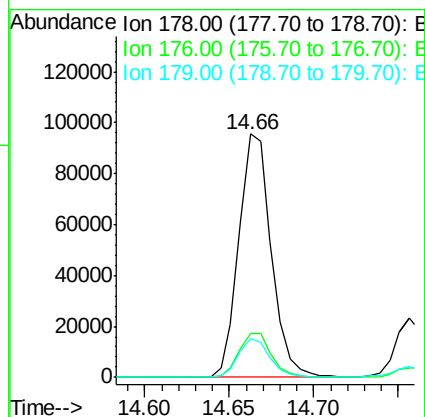
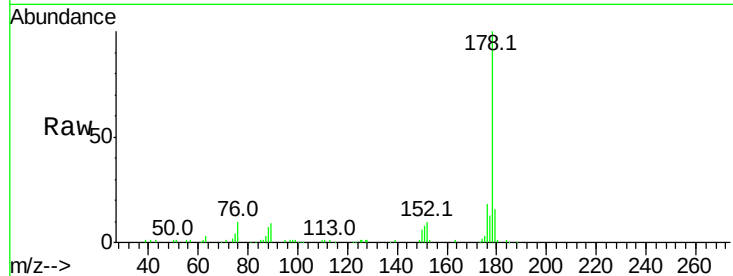




#70
 Phenanthrene
 Concen: 12.79 ng
 RT: 14.66 min Scan# 2223
 Delta R.T. -0.02 min
 Lab File: BF095728.D
 Acq: 7 Jun 2017 1:20

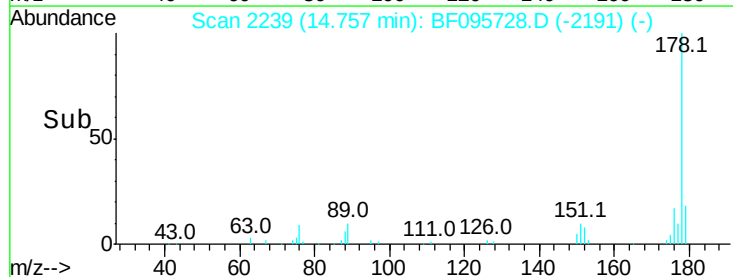
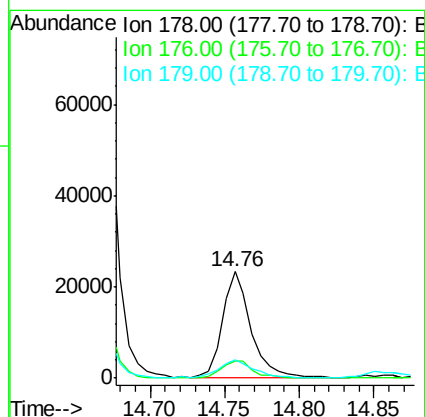
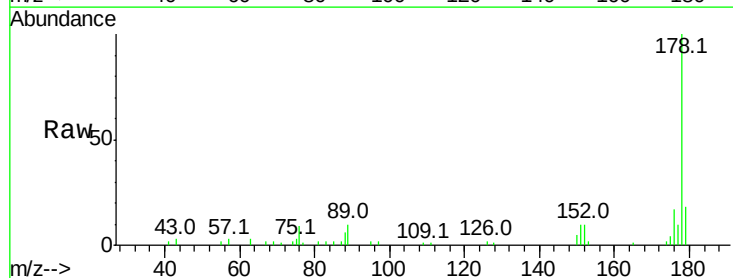
Instrument :
 BNA_F
 ClientSampleId :

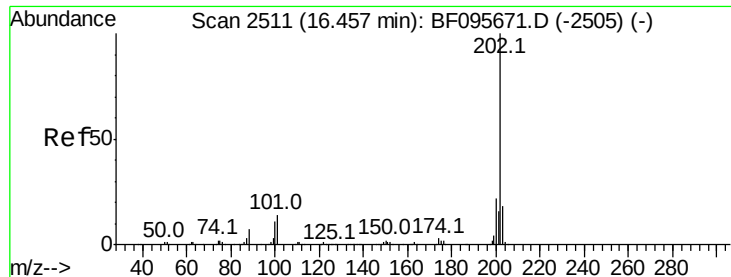
Tot Ion:178 Resp: 127970
 Ion Ratio Lower Upper
 178 100
 176 18.1 16.2 24.4
 179 16.0 12.6 19.0



#71
 Anthracene
 Concen: 3.03 ng
 RT: 14.76 min Scan# 2239
 Delta R.T. -0.02 min
 Lab File: BF095728.D
 Acq: 7 Jun 2017 1:20

Tgt Ion:178 Resp: 31615
 Ion Ratio Lower Upper
 178 100
 176 16.6 15.8 23.8
 179 17.8 12.7 19.1





#74

Fluoranthene

Concen: 16.36 ng

RT: 16.44 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

Instrument :

BNA_F

ClientSampleId :

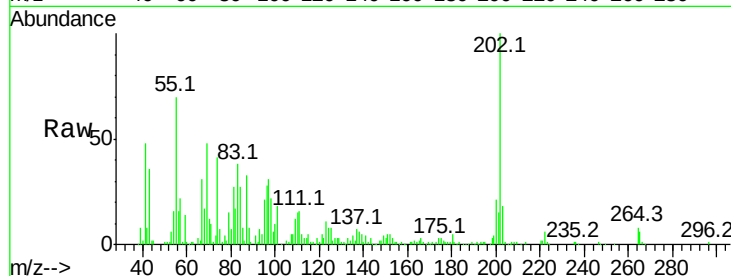
Tot Ion:202 Resp: 161972

Ion Ratio Lower Upper

202 100

101 17.9 0.0 33.2

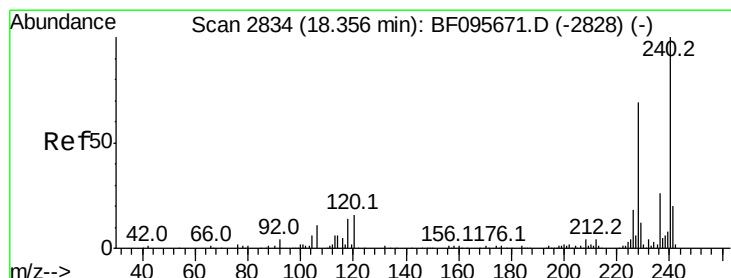
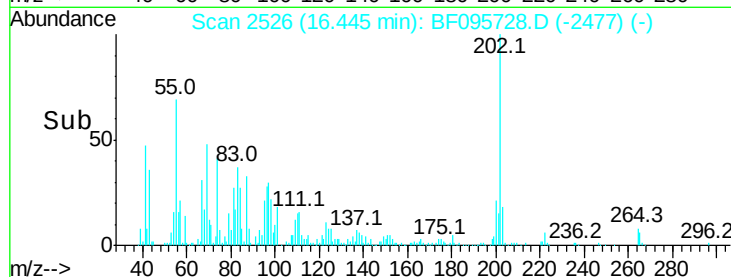
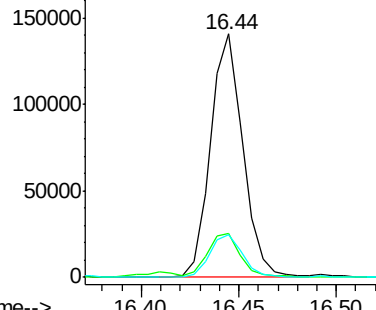
203 17.6 0.0 38.1



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: 18.34 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

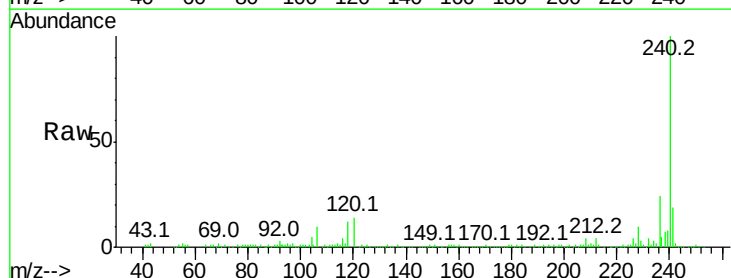
Tgt Ion:240 Resp: 144787

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

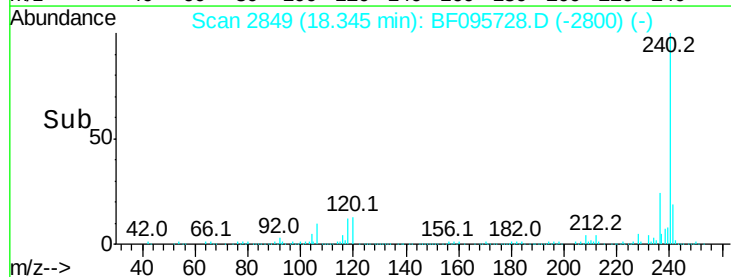
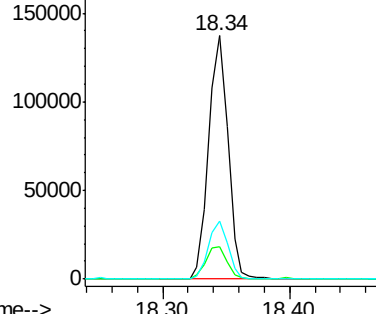
236 23.6 20.5 30.7

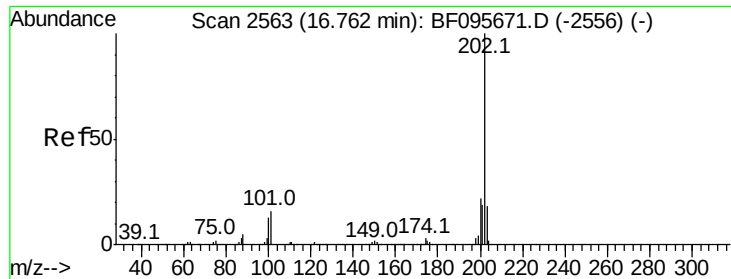


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

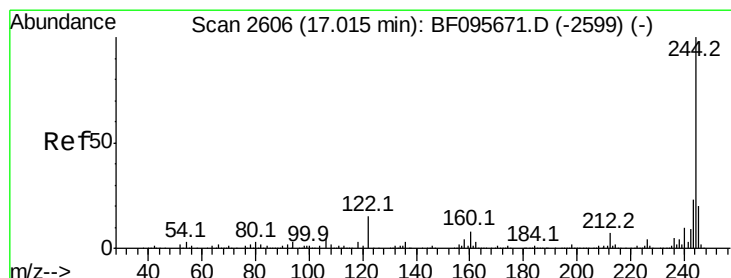
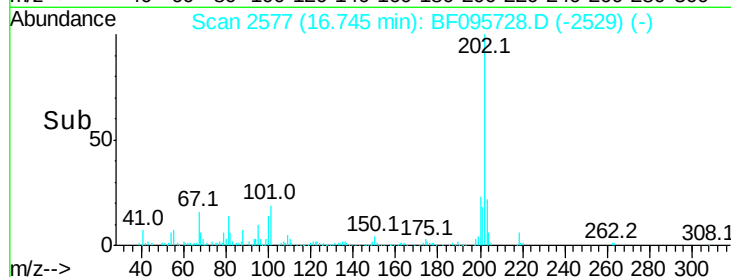
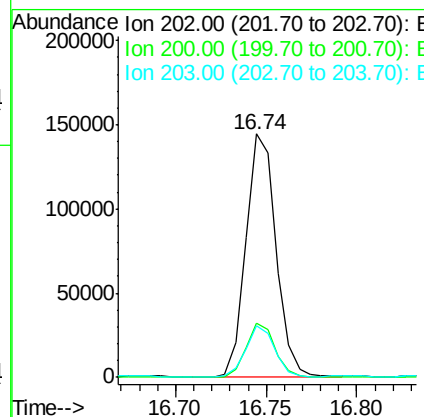
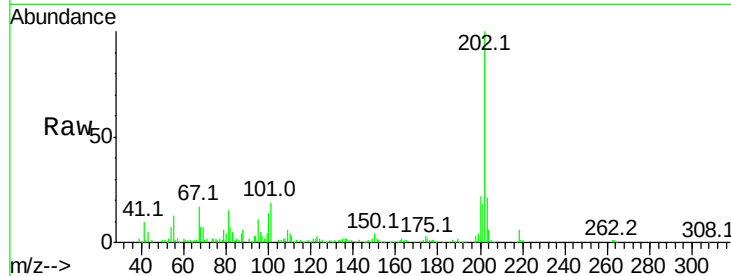




#77
Pvrene
Concen: 15.39 ng
RT: 16.74 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

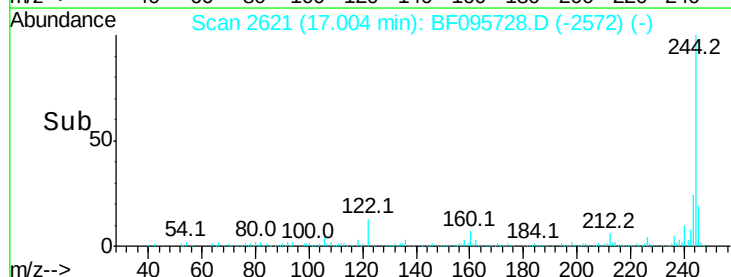
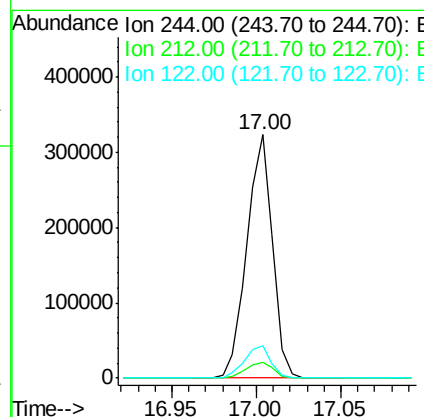
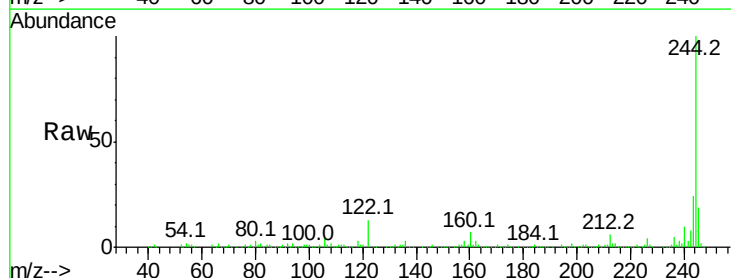
Instrument :
BNA_F
ClientSampleId :

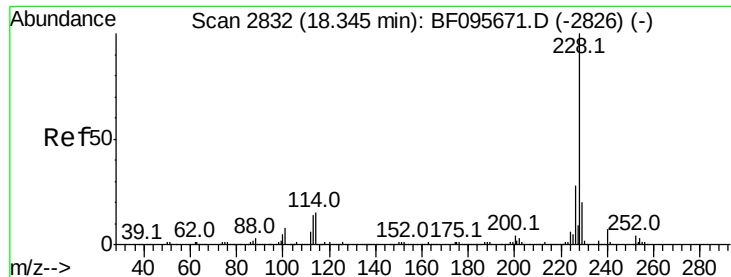
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.6	26.4
203	21.4	14.4	21.6



#78
Terphenyl-d14
Concen: 58.66 ng
RT: 17.00 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	13.1	10.3	15.5





#80

Benzo(a)anthracene

Concen: 7.50 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

Instrument :

BNA_F

ClientSampleId :

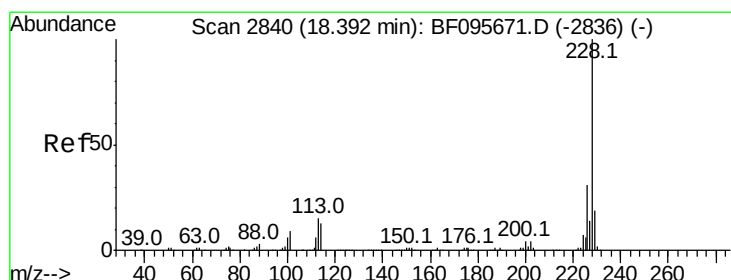
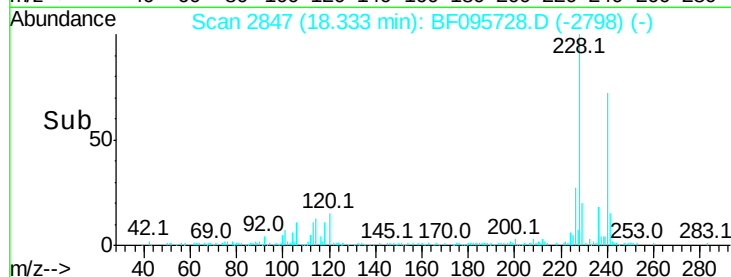
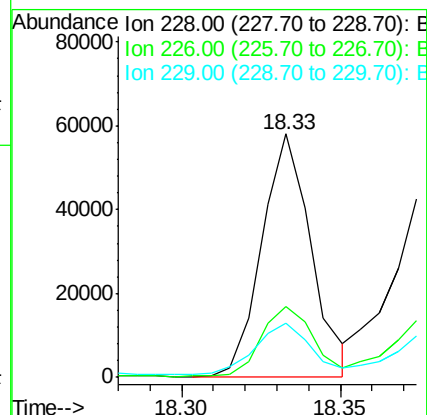
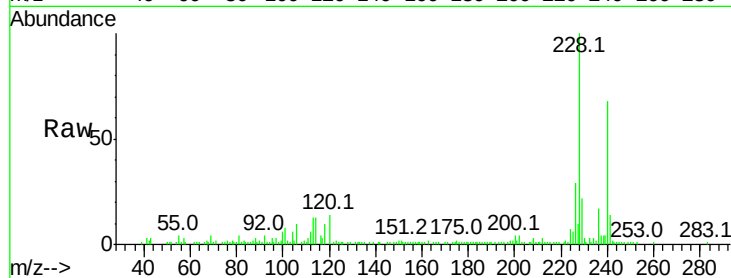
Tot Ion:228 Resp: 63133

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

229 22.4 16.3 24.5



#82

Chrysene

Concen: 7.30 ng

RT: 18.37 min Scan# 2854

Delta R.T. -0.02 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

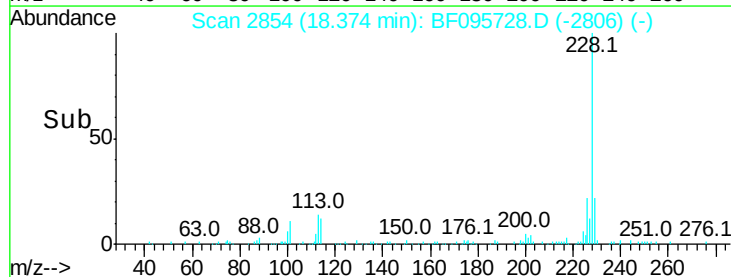
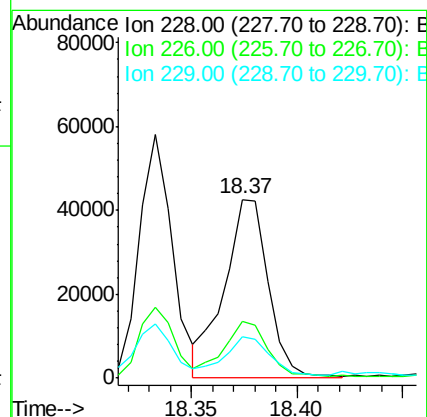
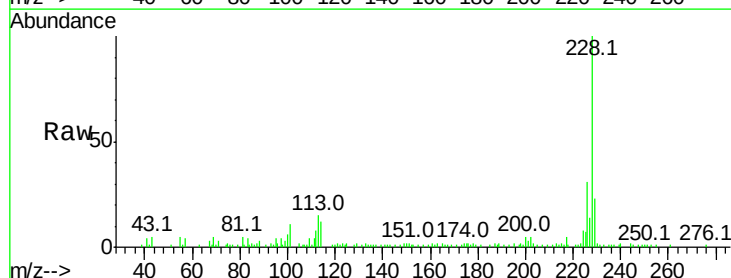
Tgt Ion:228 Resp: 61435

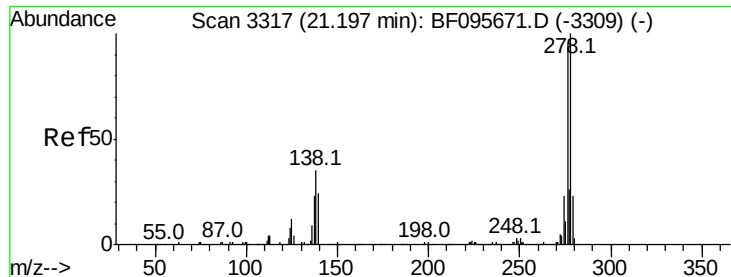
Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

229 23.2 15.8 23.6

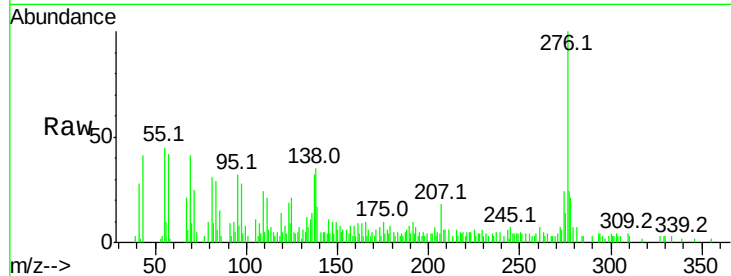




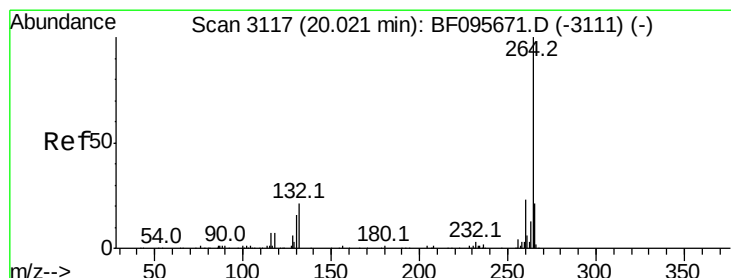
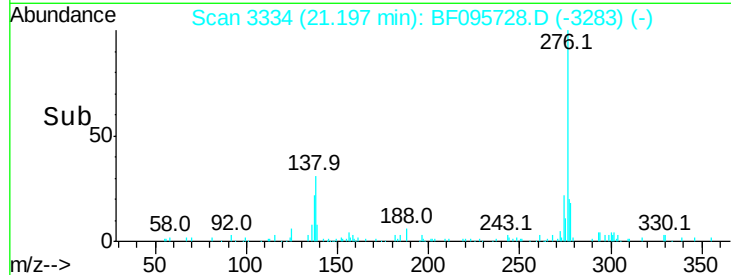
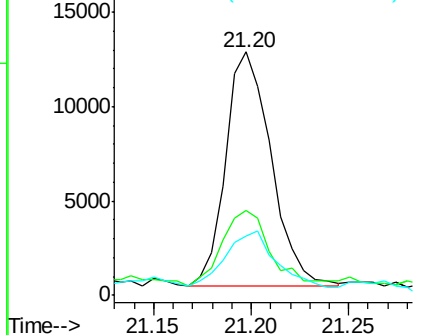
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.77 ng
RT: 21.20 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 19972
Ion Ratio Lower Upper
276 100
138 33.4 27.8 41.6
277 26.0 20.2 30.4

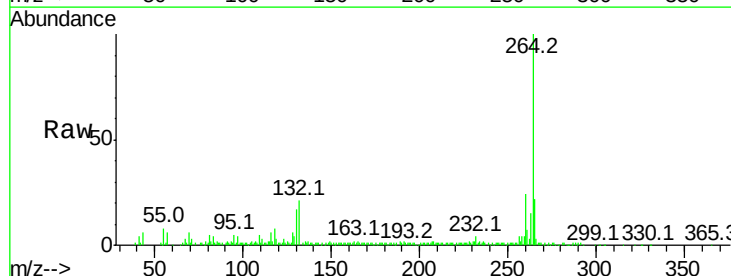


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

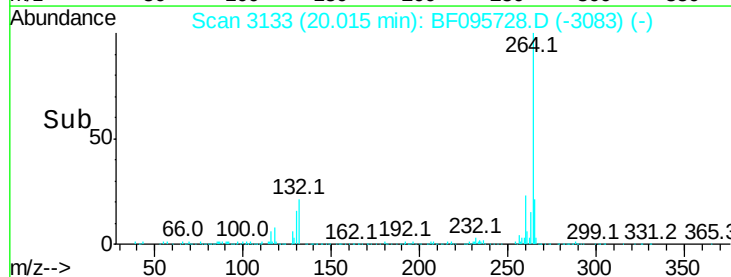
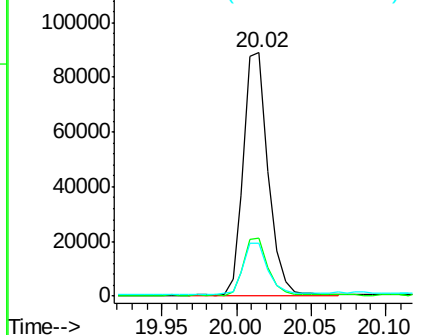


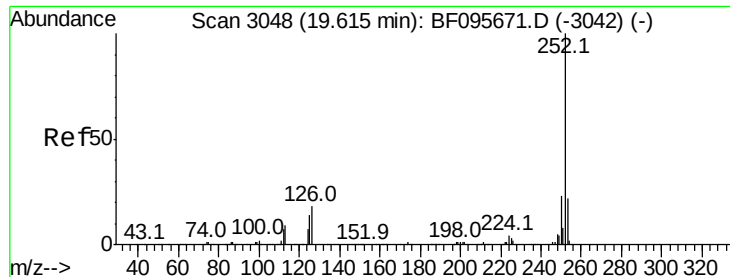
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Tgt Ion:264 Resp: 104180
Ion Ratio Lower Upper
264 100
260 23.8 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

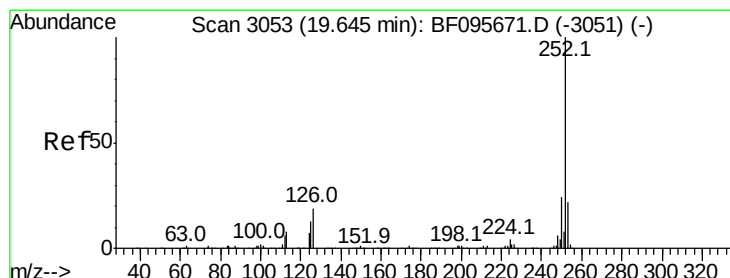
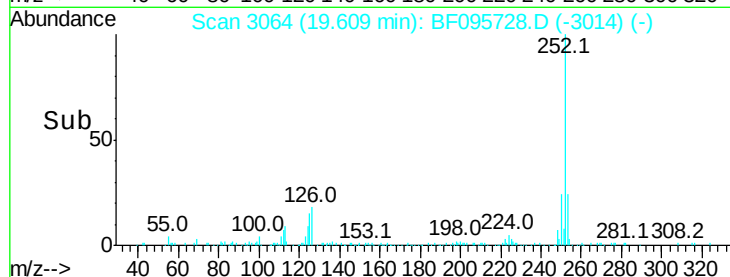
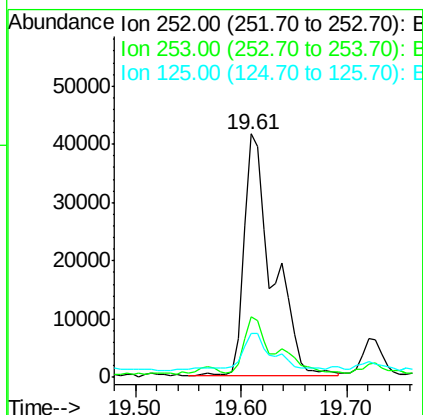
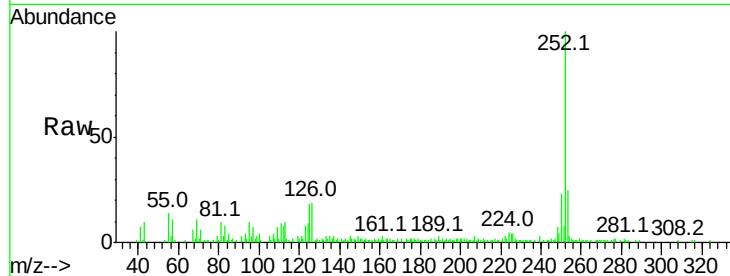




#87
Benzo(b)fluoranthene
Concen: 11.73 ng
RT: 19.61 min Scan# 3064
Delta R.T. -0.01 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

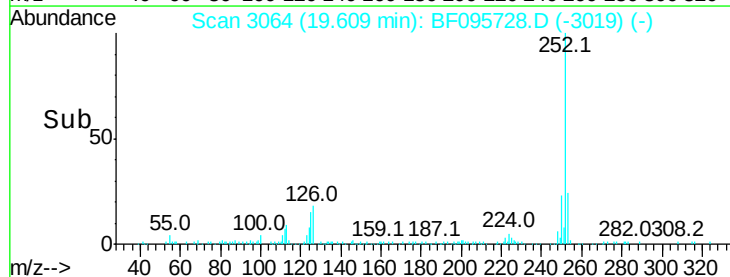
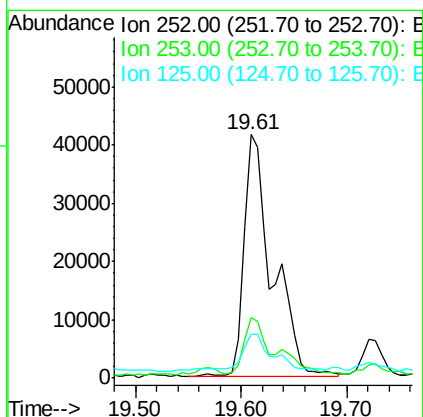
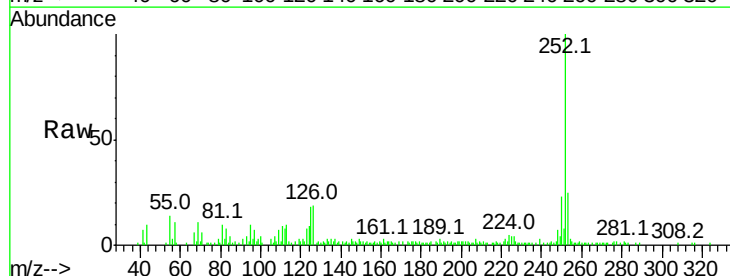
Instrument :
BNA_F
ClientSampleId :

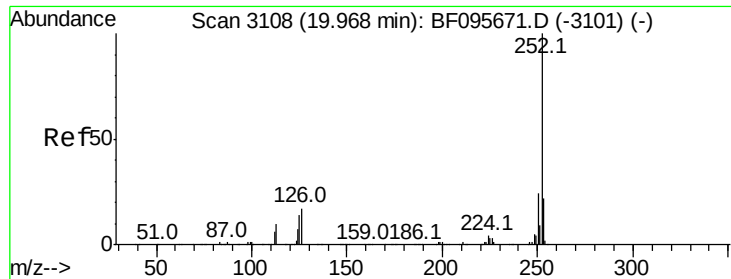
Tot Ion:252 Resp: 76508
Ion Ratio Lower Upper
252 100
253 24.8 18.1 27.1
125 18.1 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 12.27 ng
RT: 19.61 min Scan# 3064
Delta R.T. -0.04 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Tgt Ion:252 Resp: 76508
Ion Ratio Lower Upper
252 100
253 24.8 18.4 27.6
125 18.1 13.1 19.7

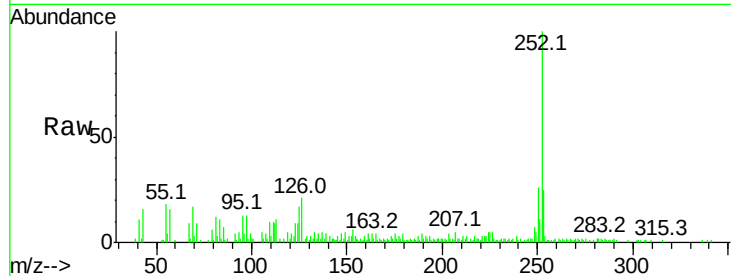




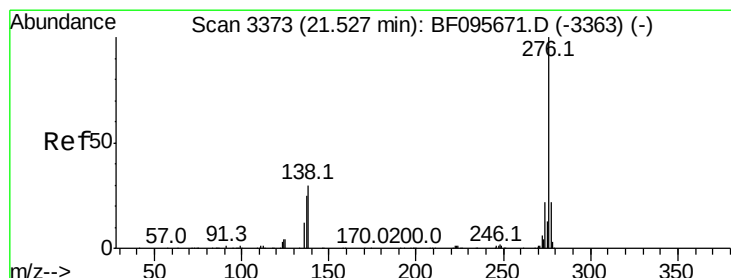
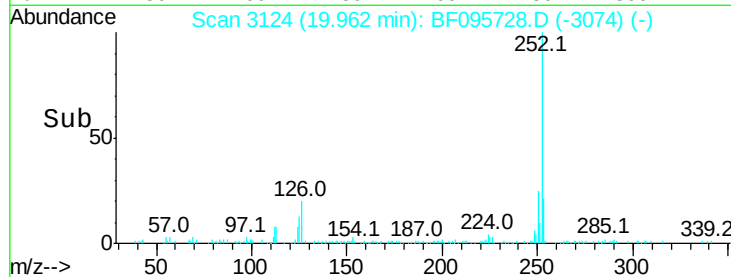
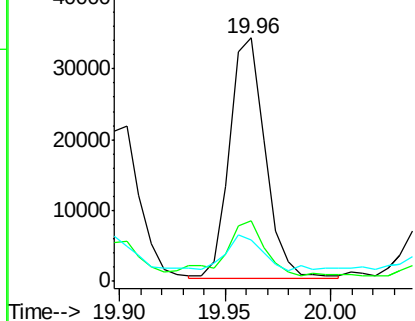
#89
Benzo(a)pyrene
Concen: 6.58 ng
RT: 19.96 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	17.1	11.0	16.4

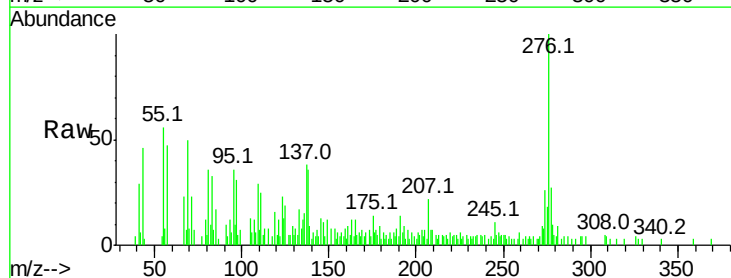


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.78 ng
RT: 21.53 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.6	28.0
138	35.6	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

