

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\
 Data File : BF095986.D
 Acq On : 17 Jun 2017 8:45
 Operator : SJ/MA
 Sample : I3688-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 19 01:08:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

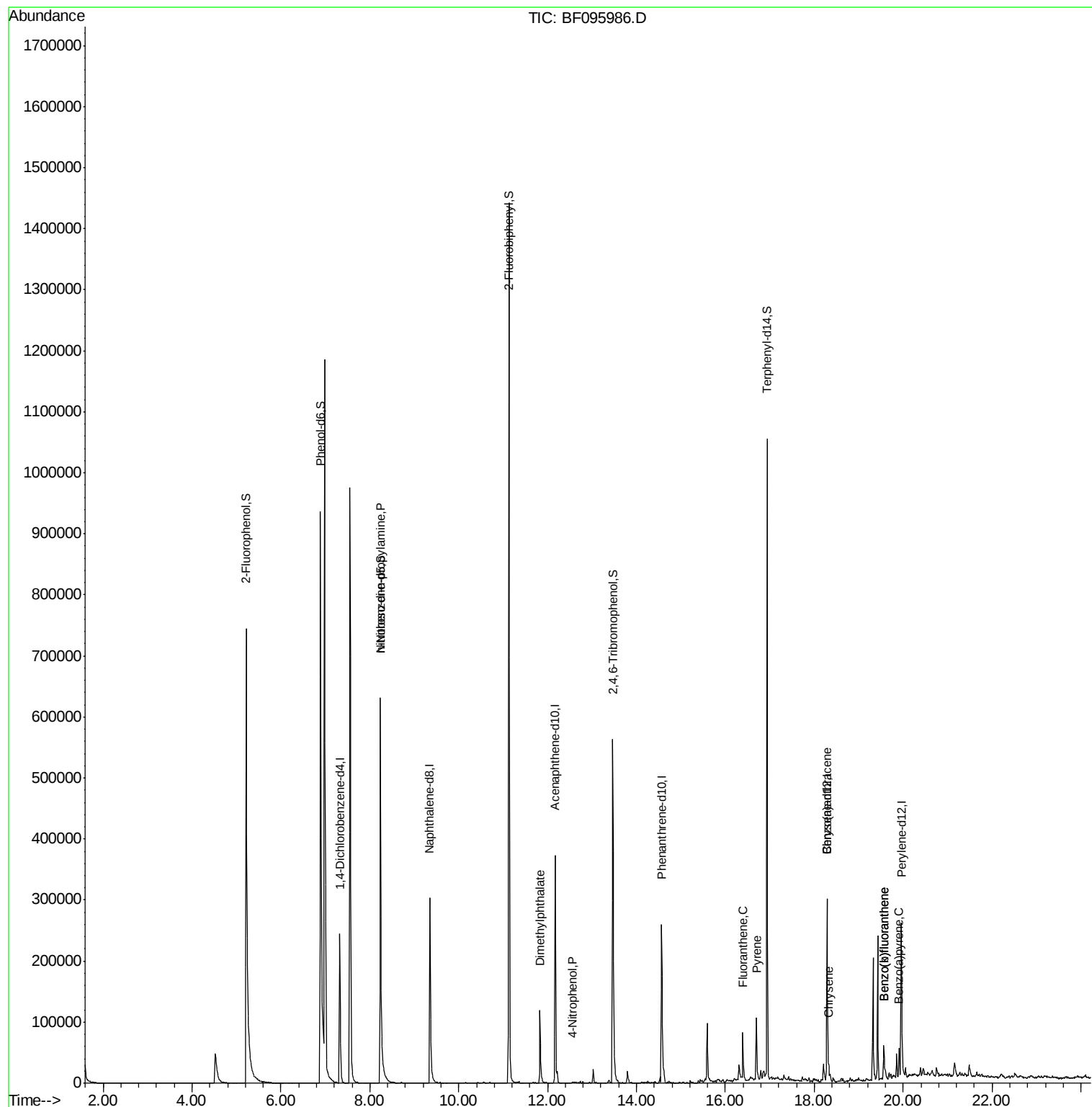
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	64316	20.00	ng	0.00
21) Naphthalene-d8	9.35	136	256936	20.00	ng	0.00
38) Acenaphthene-d10	12.17	164	109651	20.00	ng	-0.01
63) Phenanthrene-d10	14.57	188	164391	20.00	ng	0.00
75) Chrysene-d12	18.29	240	129183	20.00	ng	-0.01
86) Perylene-d12	19.96	264	124708	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	524656	129.99	ng	0.00
7) Phenol-d6	6.89	99	632338	130.86	ng	-0.02
23) Nitrobenzene-d5	8.24	82	368321	89.03	ng	-0.01
41) 2,4,6-Tribromophenol	13.47	330	111179	114.60	ng	-0.01
44) 2-Fluorobiphenyl	11.13	172	687173	87.21	ng	0.00
78) Terphenyl-d14	16.94	244	392785	75.46	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.24	70	44749	14.61	ng	# 76
49) Dimethylphthalate	11.83	163	92046	11.06	ng	99
55) 4-Nitrophenol	12.57	139	242	4.81	ng	# 25
74) Fluoranthene	16.40	202	49850	5.31	ng	100
77) Pyrene	16.70	202	46075	4.78	ng	96
80) Benzo(a)anthracene	18.28	228	20608	2.74	ng	97
82) Chrysene	18.33	228	22019	2.93	ng	95
87) Benzo(b)fluoranthene	19.56	252	30479	3.90	ng	# 94
88) Benzo(k)fluoranthene	19.56	252	30479	4.08	ng	97
89) Benzo(a)pyrene	19.91	252	21848	3.04	ng	# 93

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

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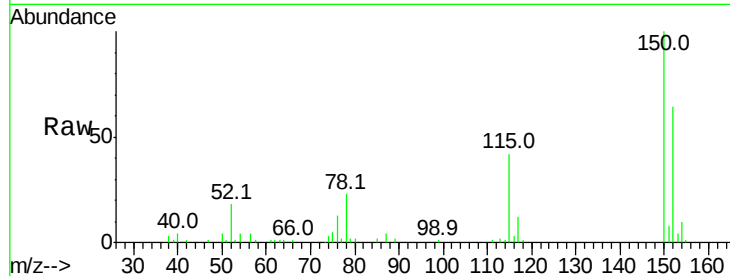


#1

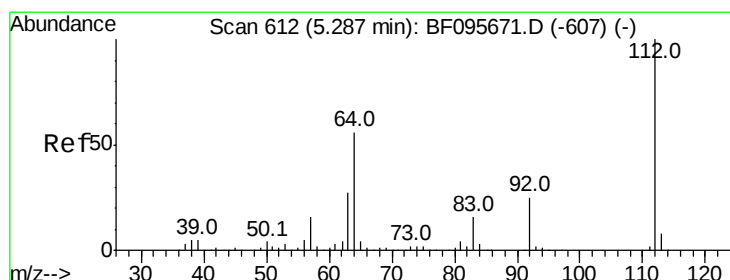
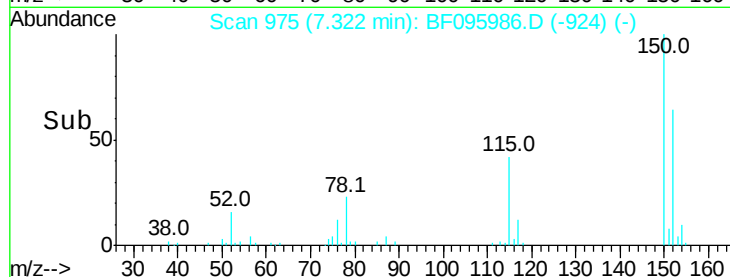
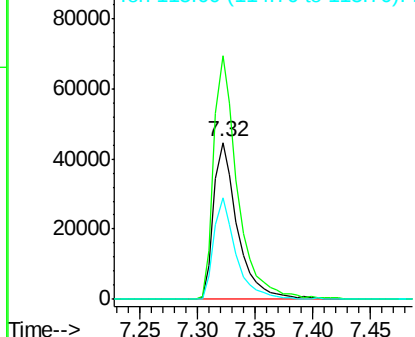
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.32 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF095986.D
Acq: 17 Jun 2017 8:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 64316
Ion Ratio Lower Upper
152 100
150 155.1 126.2 189.2
115 64.4 52.2 78.2



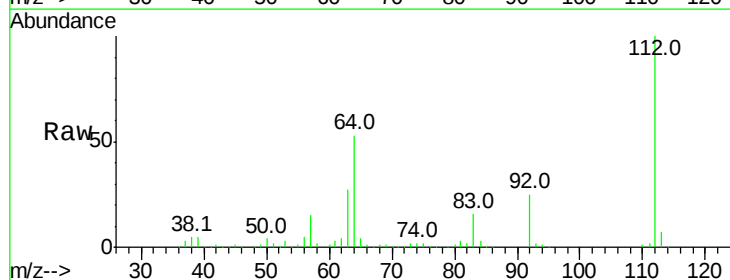
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



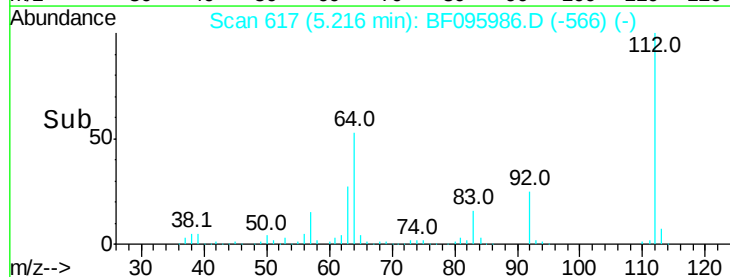
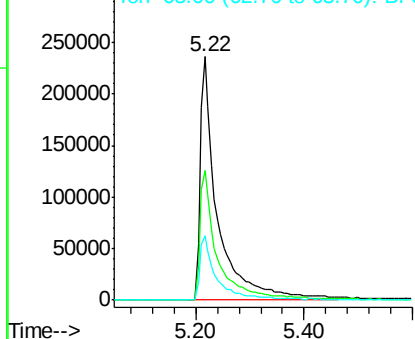
#5

2-Fluorophenol
Concen: 129.99 ng
RT: 5.22 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF095986.D
Acq: 17 Jun 2017 8:45

Tgt Ion:112 Resp: 524656
Ion Ratio Lower Upper
112 100
64 53.4 46.0 69.0
63 26.7 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: 130.86 ng

RT: 6.89 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF095986.D

Acq: 17 Jun 2017 8:45

Instrument :

BNA_F

ClientSampled :

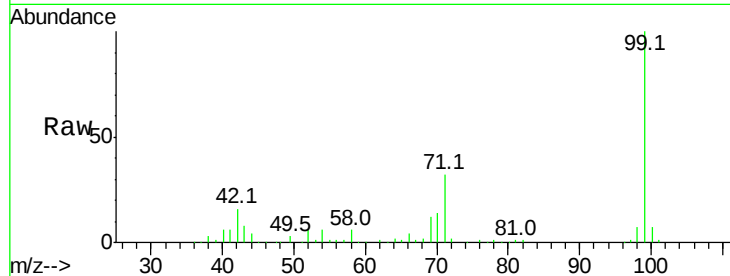
Tot Ion: 99 Resp: 632338

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

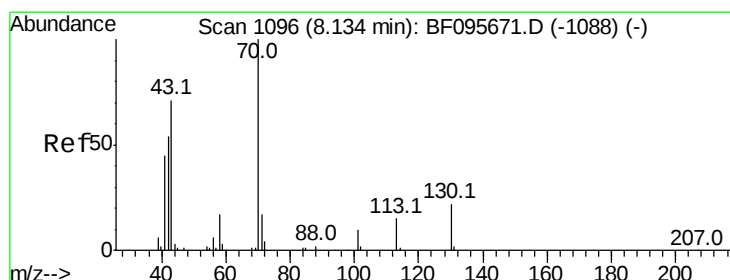
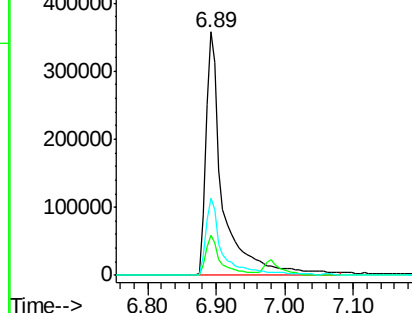
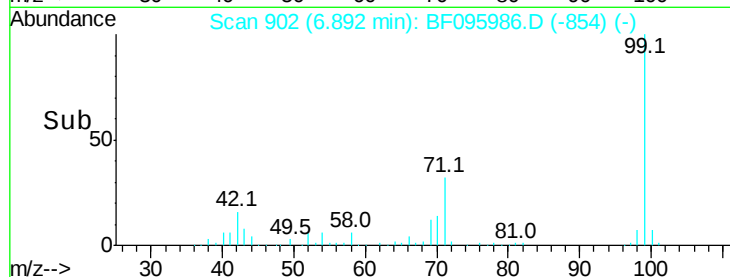
71 31.9 24.5 36.7



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: 14.61 ng

RT: 8.24 min Scan# 1131

Delta R.T. 0.17 min

Lab File: BF095986.D

Acq: 17 Jun 2017 8:45

Tgt Ion: 70 Resp: 44749

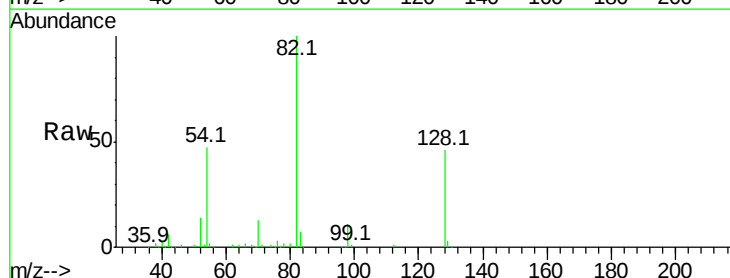
Ion Ratio Lower Upper

70 100

42 44.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

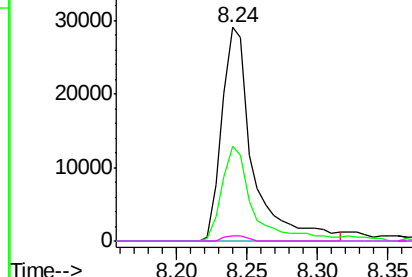
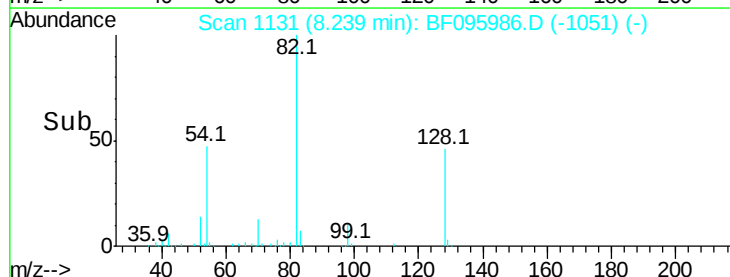


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.35 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF095986.D

Acq: 17 Jun 2017 8:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 256936

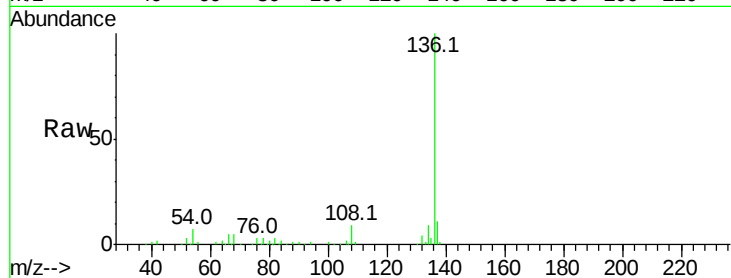
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.6 4.9 7.3

68 5.1 4.1 6.1

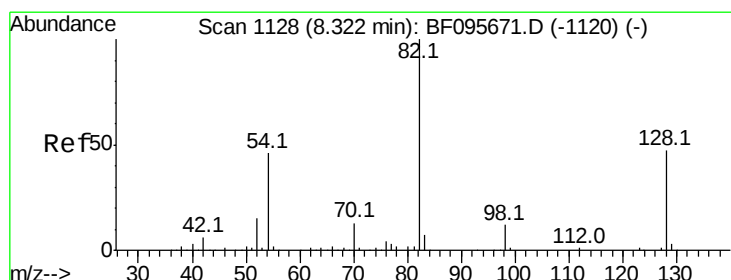
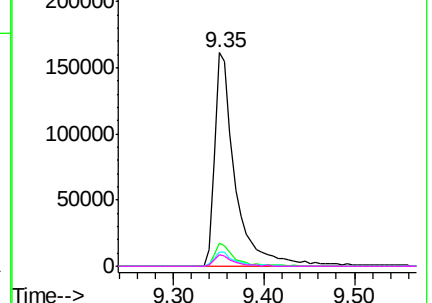
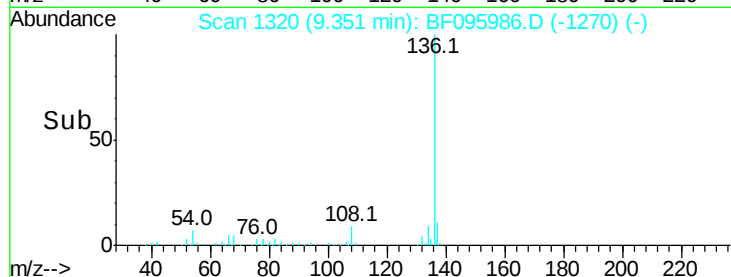


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.03 ng

RT: 8.24 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF095986.D

Acq: 17 Jun 2017 8:45

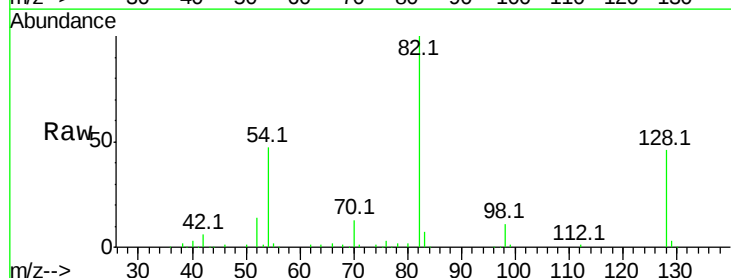
Tgt Ion: 82 Resp: 368321

Ion Ratio Lower Upper

82 100

128 45.7 34.0 51.0

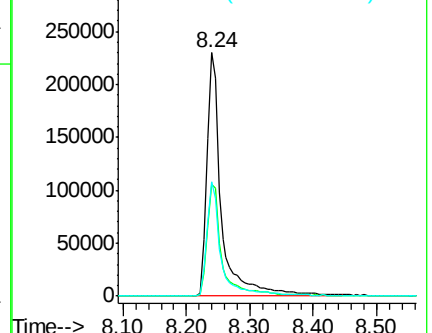
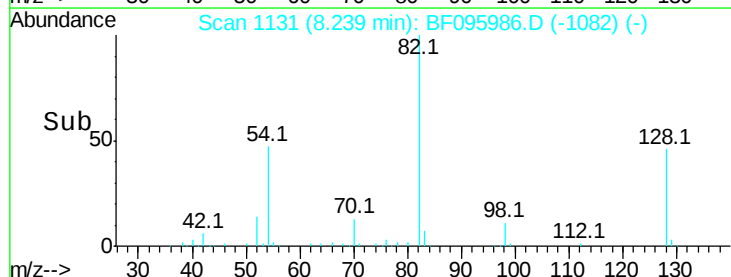
54 46.8 42.2 63.2



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

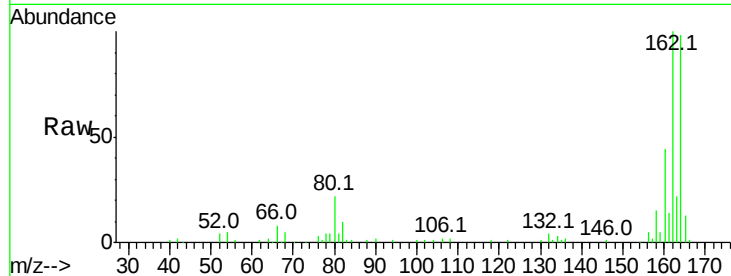




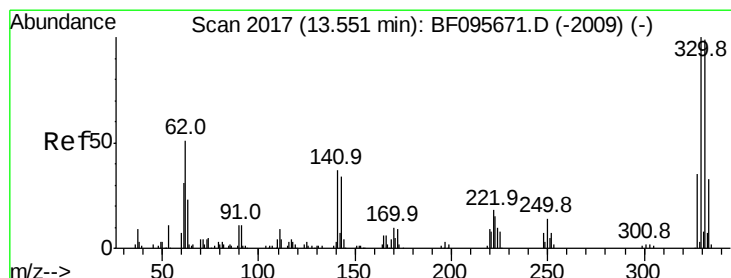
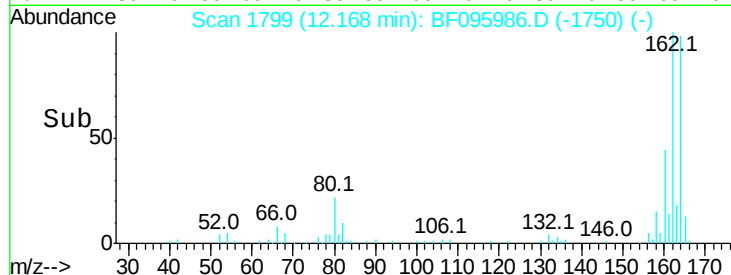
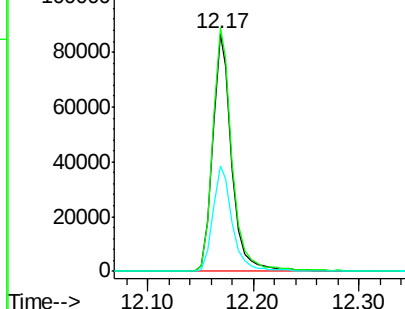
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.17 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BF095986.D
 Acq: 17 Jun 2017 8:45

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	44.5	36.2	54.2

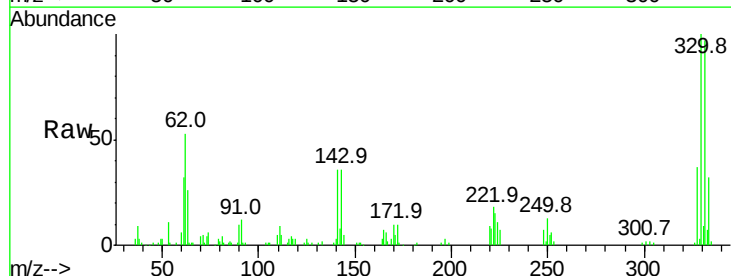


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

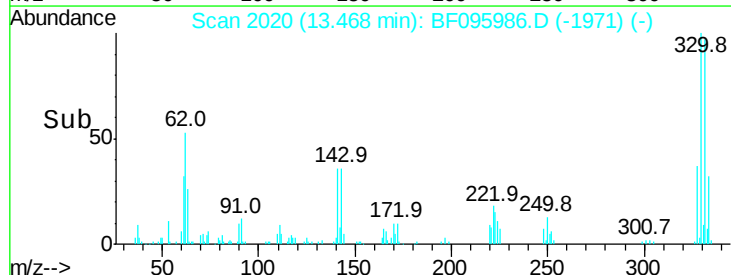
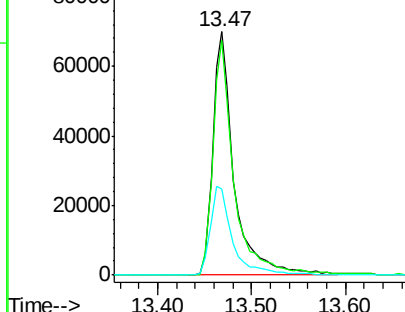


#41
 2,4,6-Tribromophenol
 Concen: 114.60 ng
 RT: 13.47 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF095986.D
 Acq: 17 Jun 2017 8:45

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	115.0
141	38.1	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

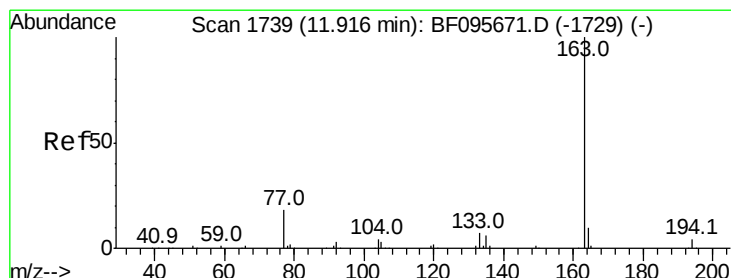
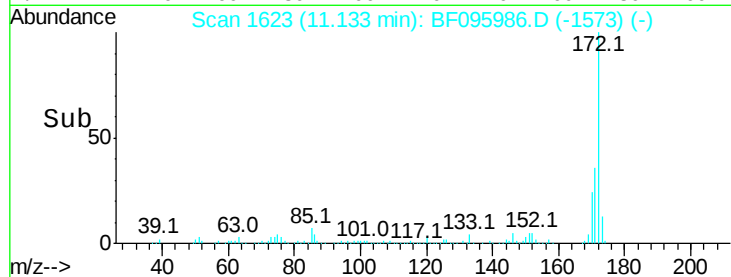
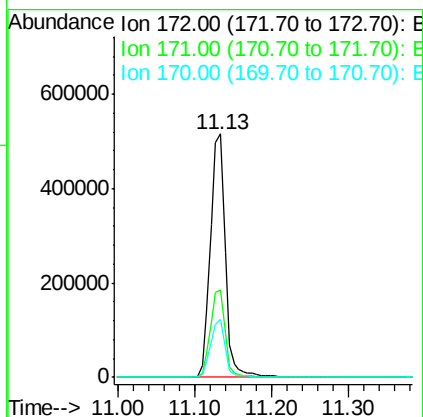
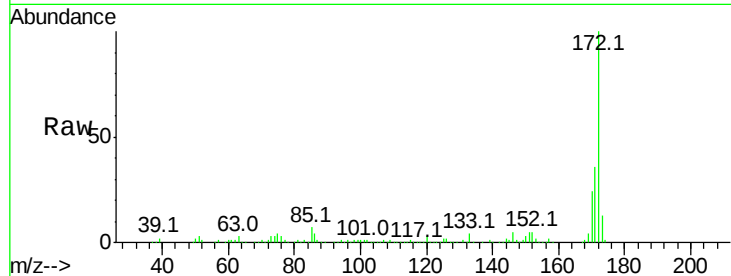




#44
2-Fluorobiphenyl
Concen: 87.21 ng
RT: 11.13 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BF095986.D
Acq: 17 Jun 2017 8:45

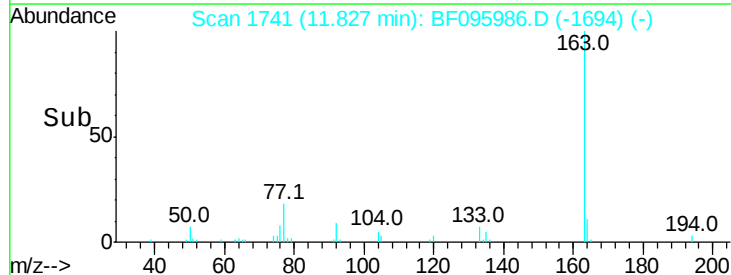
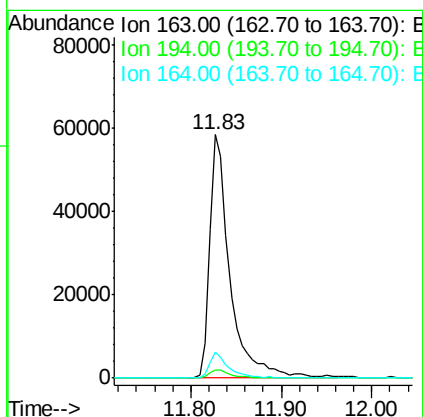
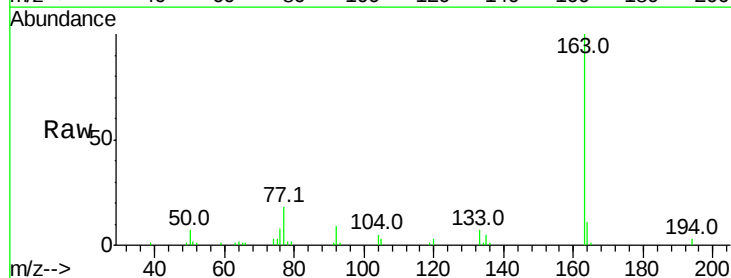
Instrument :
BNA_F
ClientSampleId :

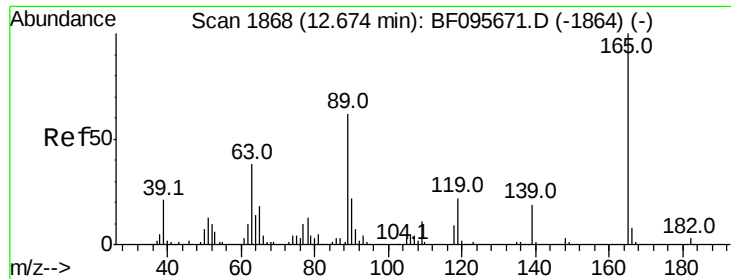
Tot Ion:172 Resp: 687173
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.6 19.8 29.8



#49
Dimethylphthalate
Concen: 11.06 ng
RT: 11.83 min Scan# 1741
Delta R.T. -0.02 min
Lab File: BF095986.D
Acq: 17 Jun 2017 8:45

Tgt Ion:163 Resp: 92046
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.8 8.4 12.6

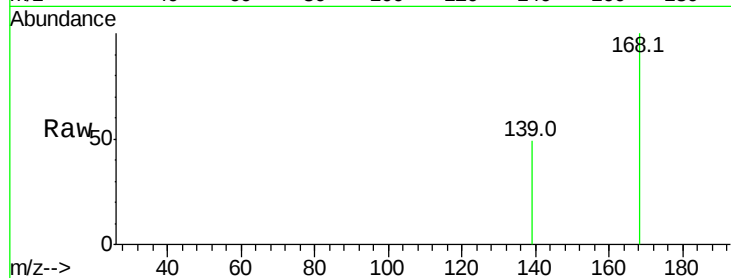




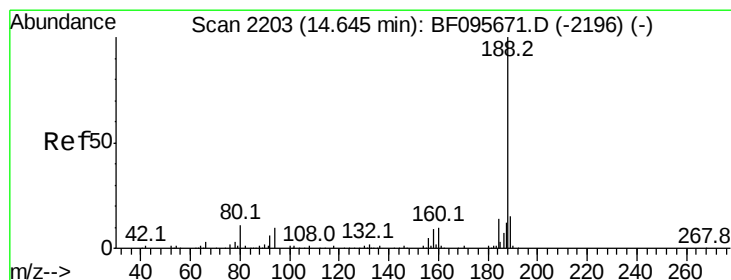
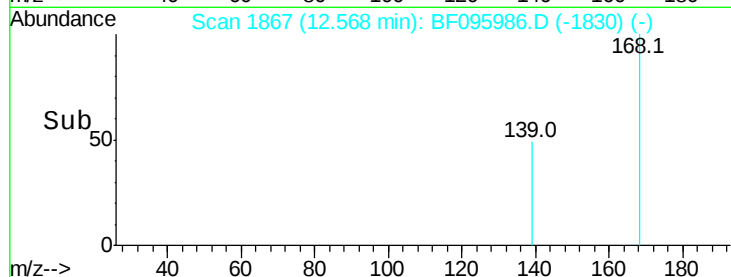
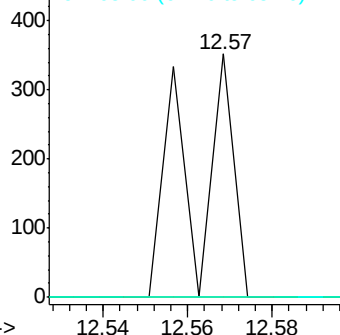
#55
4-Nitrophenol
Concen: 4.81 ng
RT: 12.57 min Scan# 1867
Delta R.T. -0.08 min
Lab File: BF095986.D
Acq: 17 Jun 2017 8:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 242
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

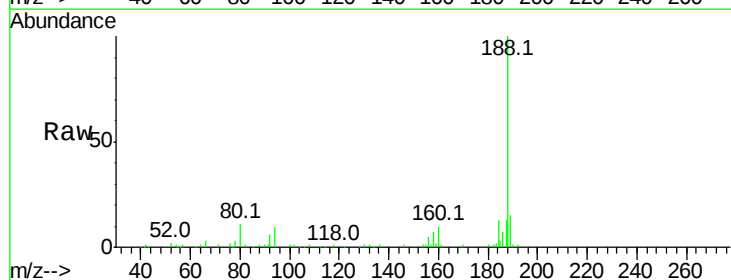


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

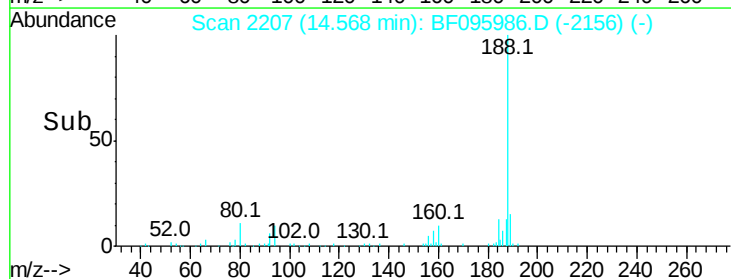
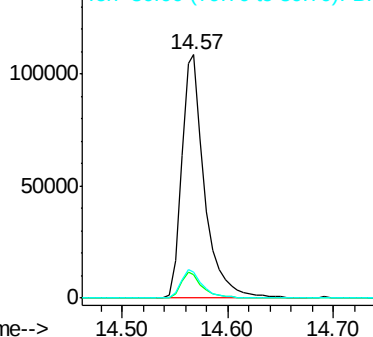


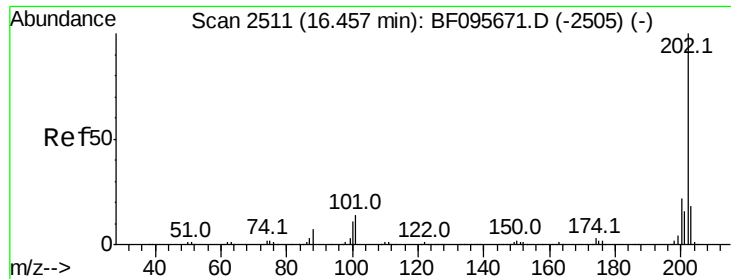
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.57 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF095986.D
Acq: 17 Jun 2017 8:45

Tgt Ion:188 Resp: 164391
Ion Ratio Lower Upper
188 100
94 9.8 9.4 14.2
80 10.7 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

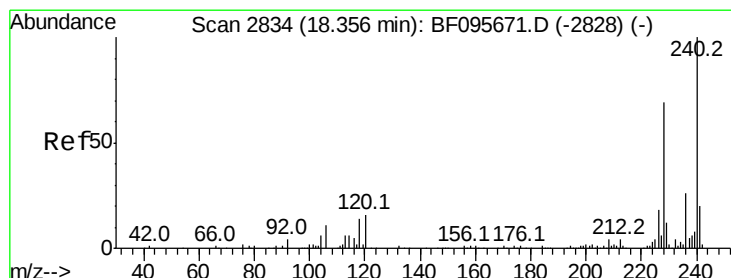
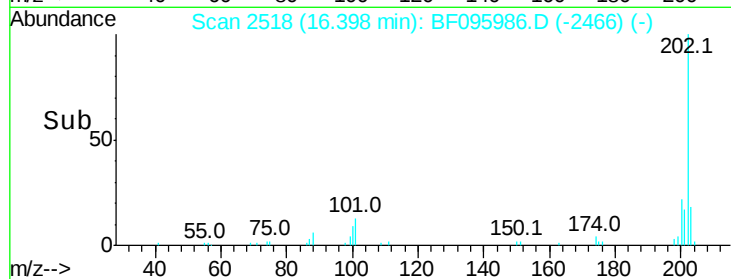
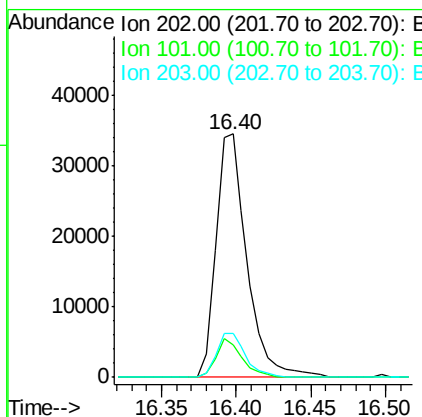
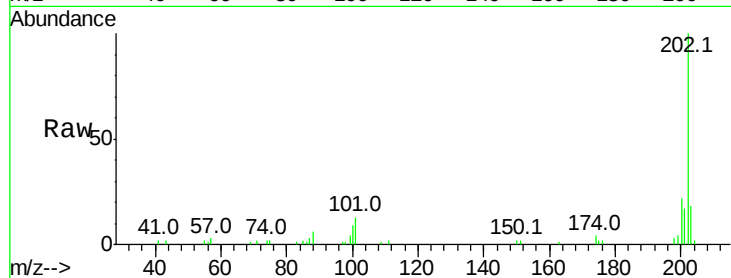




#74
 Fluoranthene
 Concen: 5.31 ng
 RT: 16.40 min Scan# 2518
 Delta R.T. 0.01 min
 Lab File: BF095986.D
 Acq: 17 Jun 2017 8:45

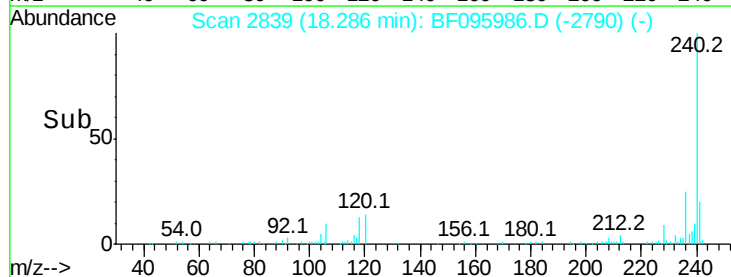
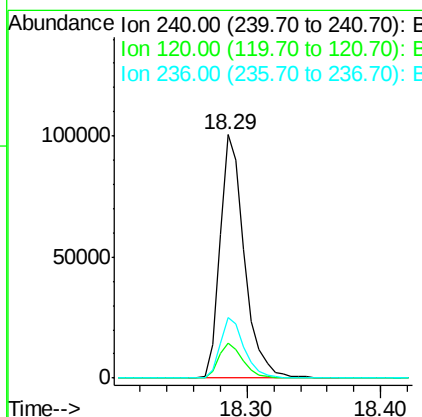
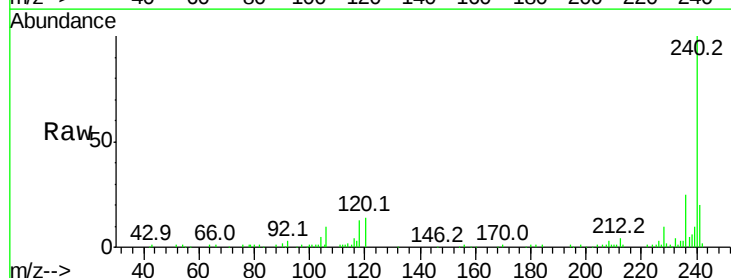
Instrument :
 BNA_F
 ClientSampleId :

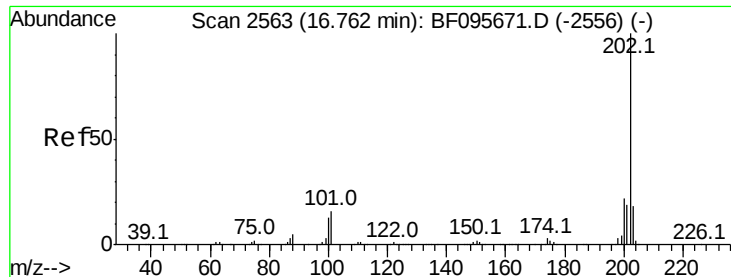
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	18.2	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.29 min Scan# 2839
 Delta R.T. -0.01 min
 Lab File: BF095986.D
 Acq: 17 Jun 2017 8:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	24.7	20.5	30.7

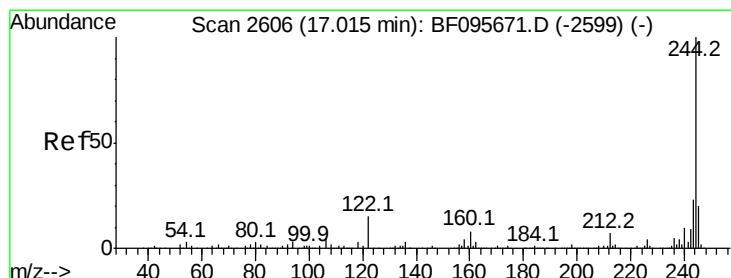
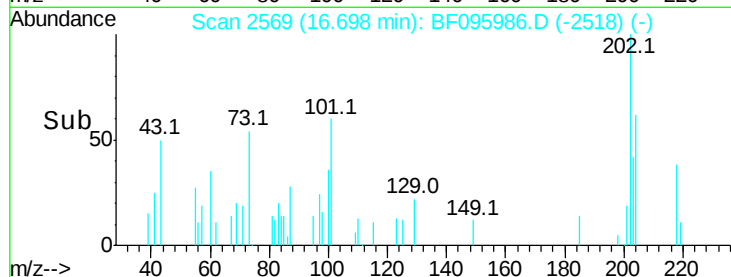
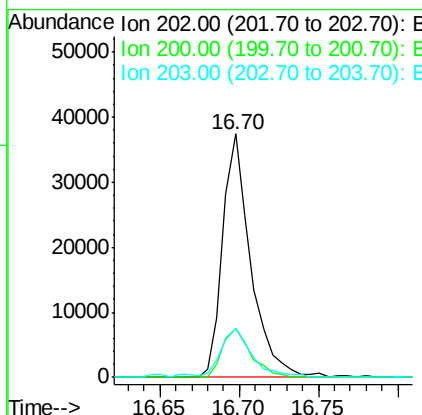
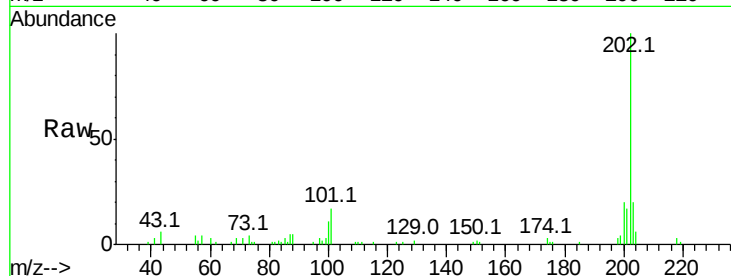




#77
Pvrene
Concen: 4.78 ng
RT: 16.70 min Scan# 2569
Delta R.T. 0.00 min
Lab File: BF095986.D
Acq: 17 Jun 2017 8:45

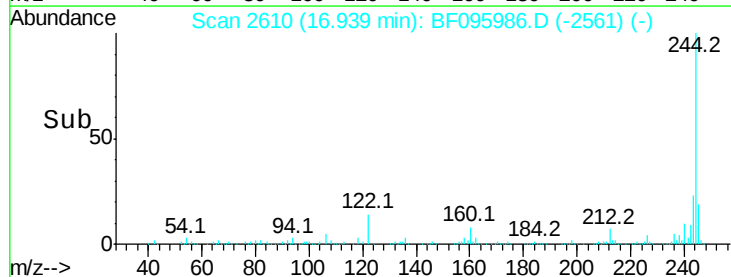
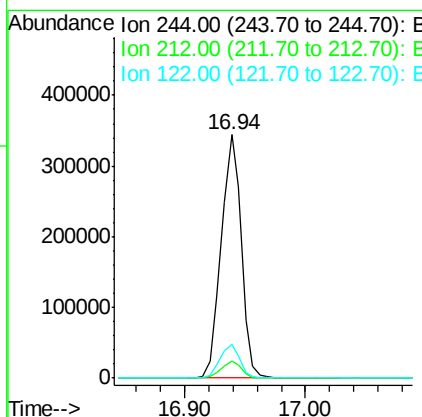
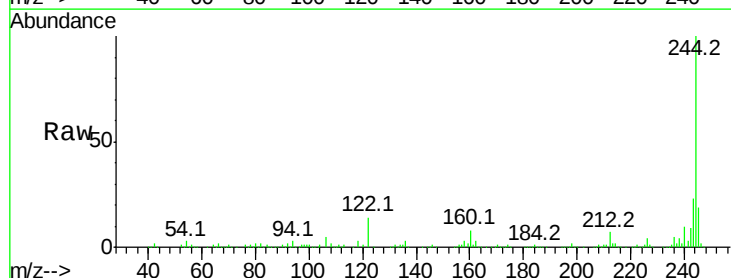
Instrument :
BNA_F
ClientSampleId :

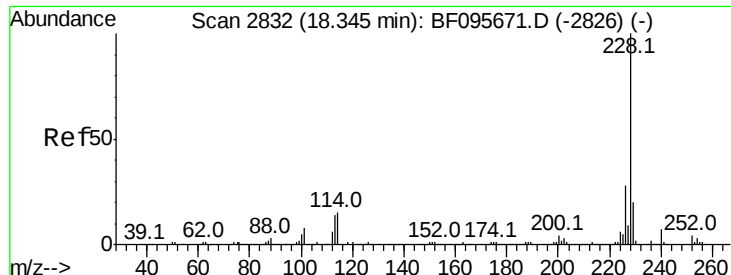
Tot Ion:202 Resp: 46075
Ion Ratio Lower Upper
202 100
200 20.4 17.6 26.4
203 20.0 14.4 21.6



#78
Terphenyl-d14
Concen: 75.46 ng
RT: 16.94 min Scan# 2610
Delta R.T. -0.01 min
Lab File: BF095986.D
Acq: 17 Jun 2017 8:45

Tgt Ion:244 Resp: 392785
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 13.9 10.3 15.5





#80

Benzo(a)anthracene

Concen: 2.74 ng

RT: 18.28 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BF095986.D

Acq: 17 Jun 2017 8:45

Instrument :

BNA_F

ClientSampled :

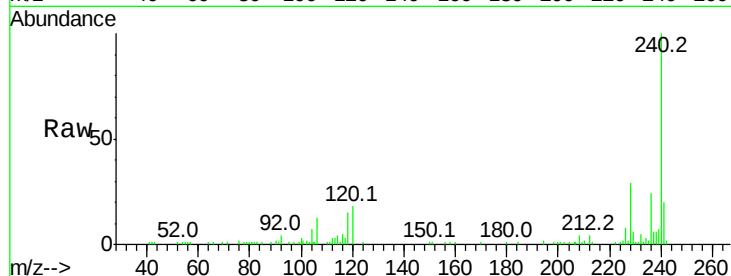
Tot Ion:228 Resp: 20608

Ion Ratio Lower Upper

228 100

226 26.7 22.6 33.8

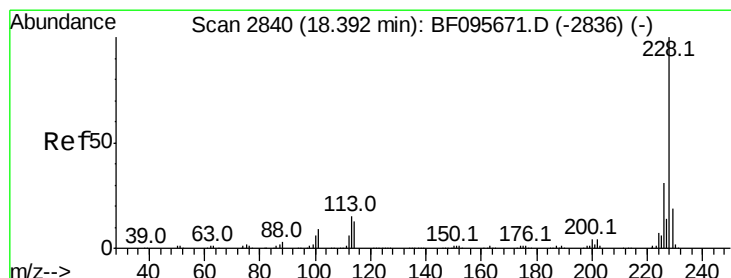
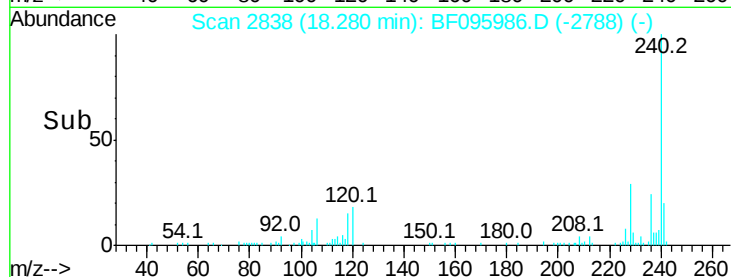
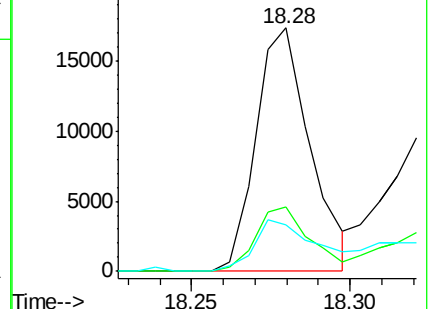
229 19.2 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.93 ng

RT: 18.33 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BF095986.D

Acq: 17 Jun 2017 8:45

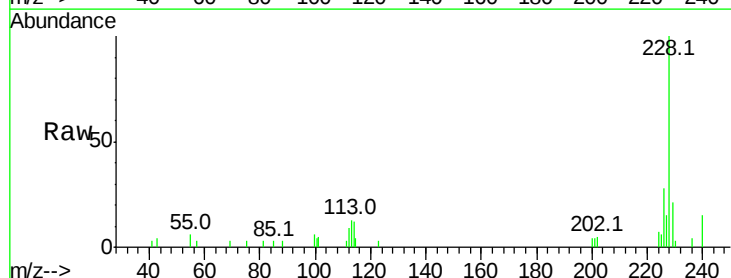
Tgt Ion:228 Resp: 22019

Ion Ratio Lower Upper

228 100

226 27.8 24.9 37.3

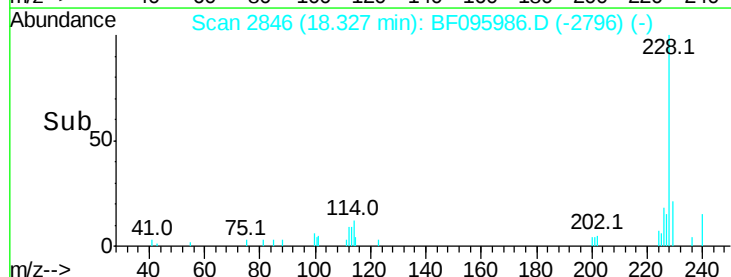
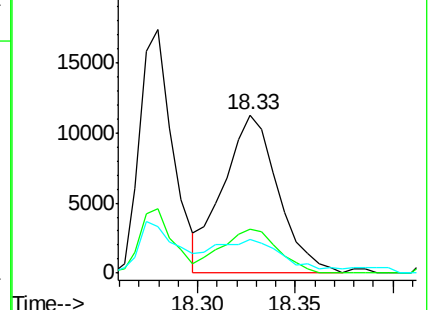
229 21.3 15.8 23.6

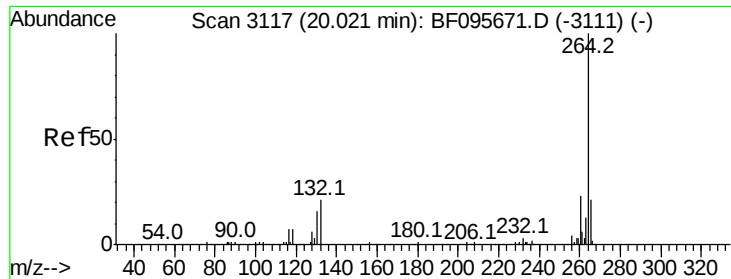


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

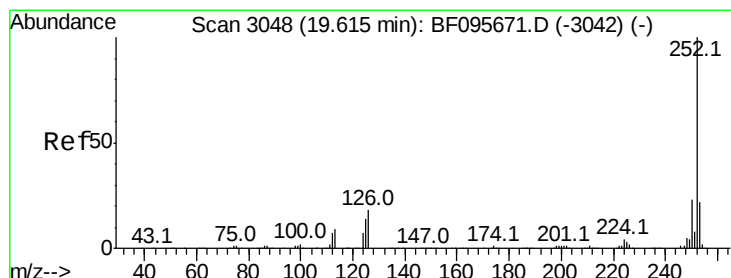
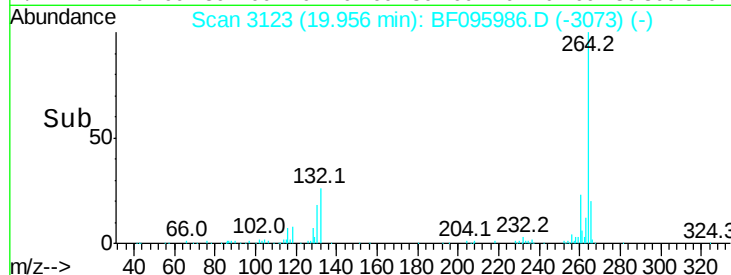
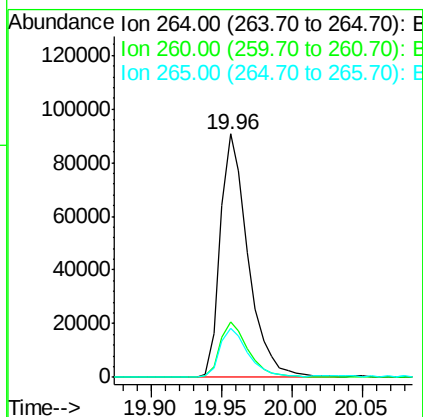
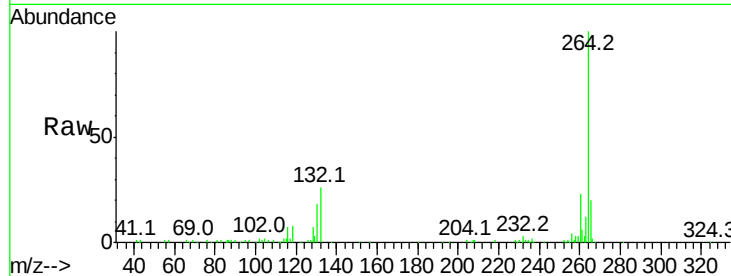




#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095986.D
Acq: 17 Jun 2017 8:45

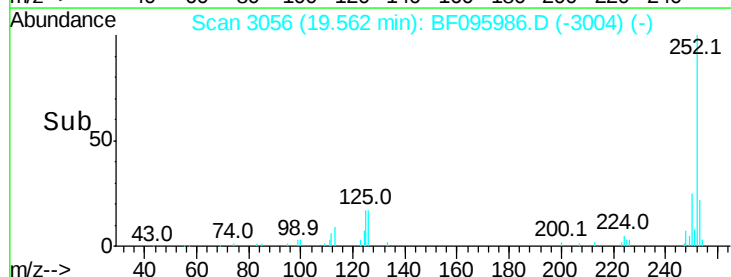
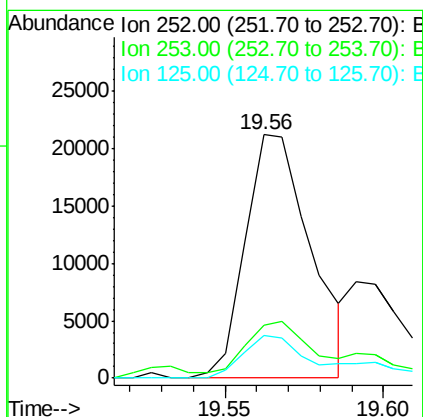
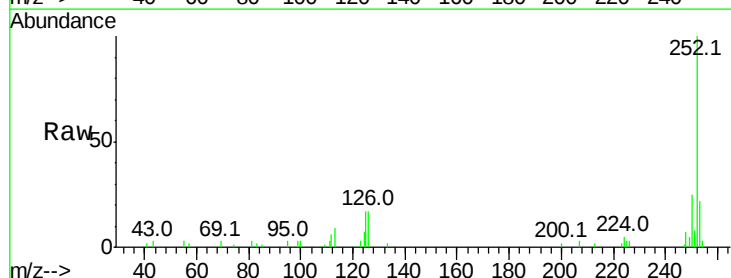
Instrument :
BNA_F
ClientSampleId :

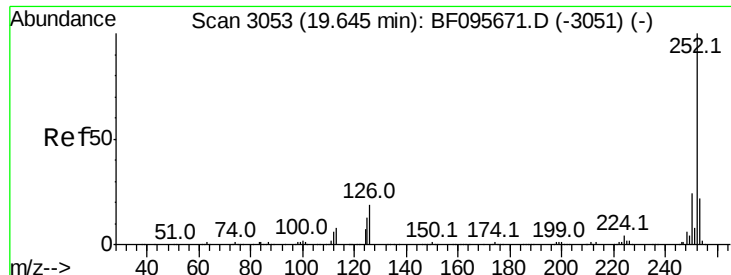
Tot Ion:264 Resp: 124708
Ion Ratio Lower Upper
264 100
260 22.7 19.5 29.3
265 20.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.90 ng
RT: 19.56 min Scan# 3056
Delta R.T. 0.01 min
Lab File: BF095986.D
Acq: 17 Jun 2017 8:45

Tgt Ion:252 Resp: 30479
Ion Ratio Lower Upper
252 100
253 21.5 18.1 27.1
125 17.4 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 4.08 ng

RT: 19.56 min Scan# 3056

Delta R.T. -0.03 min

Lab File: BF095986.D

Acq: 17 Jun 2017 8:45

Instrument :

BNA_F

ClientSampleId :

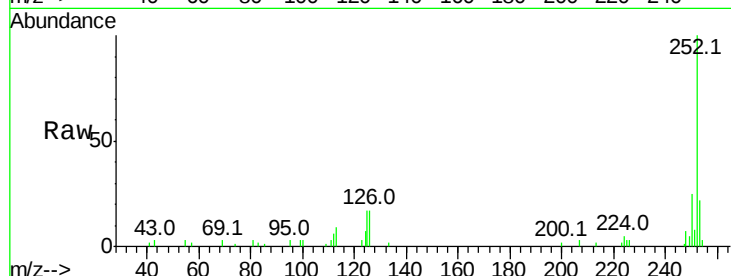
Tot Ion:252 Resp: 30479

Ion Ratio Lower Upper

252 100

253 21.5 18.4 27.6

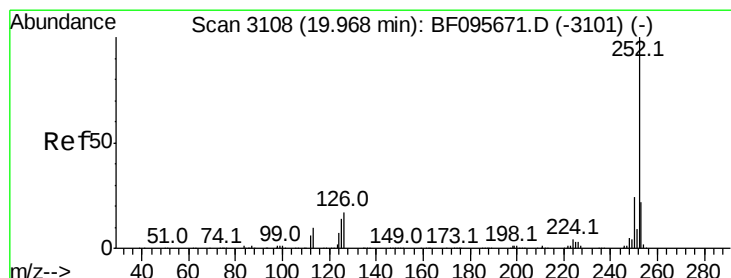
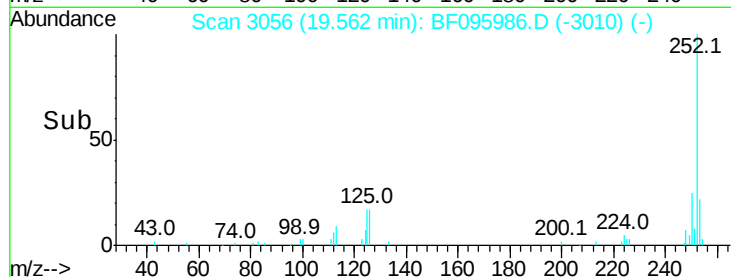
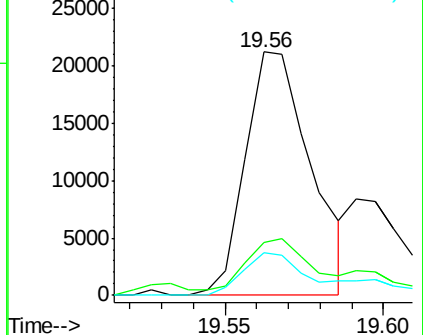
125 17.4 13.1 19.7



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: 3.04 ng

RT: 19.91 min Scan# 3115

Delta R.T. 0.00 min

Lab File: BF095986.D

Acq: 17 Jun 2017 8:45

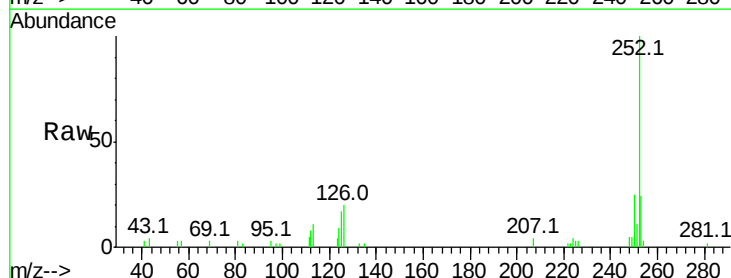
Tgt Ion:252 Resp: 21848

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 17.2 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

