

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\
 Data File : BF095992.D
 Acq On : 17 Jun 2017 11:59
 Operator : SJ/MA
 Sample : I3686-04
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 19 01:10:13 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

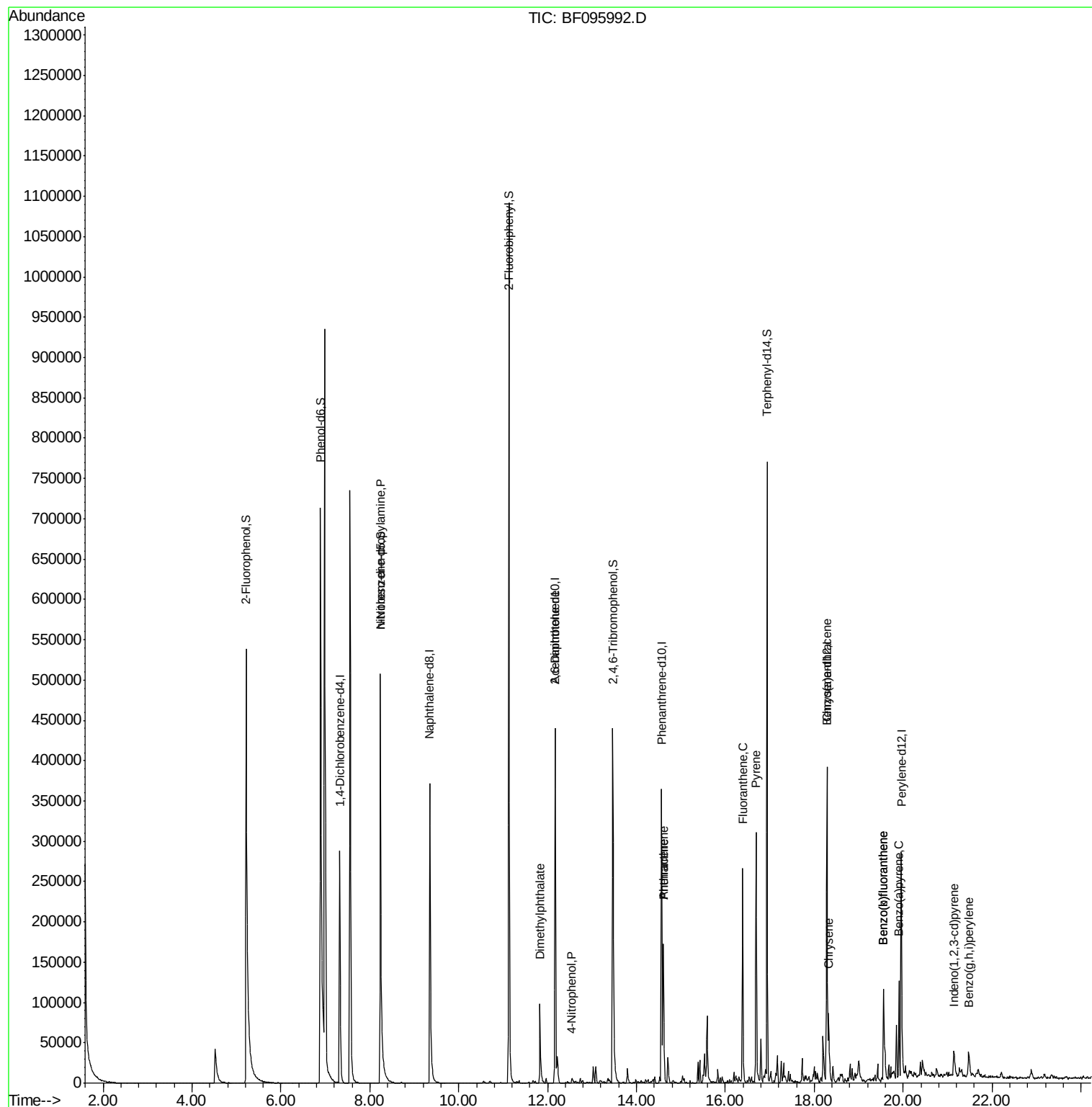
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	75330	20.00	ng	0.00
21) Naphthalene-d8	9.35	136	302237	20.00	ng	0.00
38) Acenaphthene-d10	12.17	164	127759	20.00	ng	-0.01
63) Phenanthrene-d10	14.56	188	190936	20.00	ng	0.00
75) Chrysene-d12	18.29	240	148054	20.00	ng	-0.01
86) Perylene-d12	19.96	264	139685	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	436191	92.27	ng	0.00
7) Phenol-d6	6.89	99	550023	97.18	ng	-0.02
23) Nitrobenzene-d5	8.24	82	308528	63.40	ng	-0.01
41) 2,4,6-Tribromophenol	13.47	330	90299	79.88	ng	-0.01
44) 2-Fluorobiphenyl	11.13	172	483266	52.64	ng	-0.01
78) Terphenyl-d14	16.94	244	282597	47.37	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.24	70	37185	10.37	ng	# 76
49) Dimethylphthalate	11.83	163	75120	7.74	ng	100
50) 2,6-Dinitrotoluene	12.17	165	16420	7.76	ng	# 31
55) 4-Nitrophenol	12.55	139	1757	5.78	ng	# 25
70) Phenanthrene	14.60	178	119182	10.82	ng	97
71) Anthracene	14.60	178	119182	10.36	ng	97
74) Fluoranthene	16.39	202	147759	13.55	ng	98
77) Pyrene	16.69	202	136643	12.37	ng	96
80) Benzo(a)anthracene	18.27	228	57283	6.65	ng	98
82) Chrysene	18.32	228	54557	6.34	ng	98
85) Indeno(1,2,3-cd)pyrene	21.14	276	22661	3.08	ng	96
87) Benzo(b)fluoranthene	19.56	252	64045	7.32	ng	# 96
88) Benzo(k)fluoranthene	19.56	252	64045	7.66	ng	100
89) Benzo(a)pyrene	19.90	252	50805	6.32	ng	98
91) Benzo(a,h,i)perylene	21.47	276	19800	2.85	ng	97

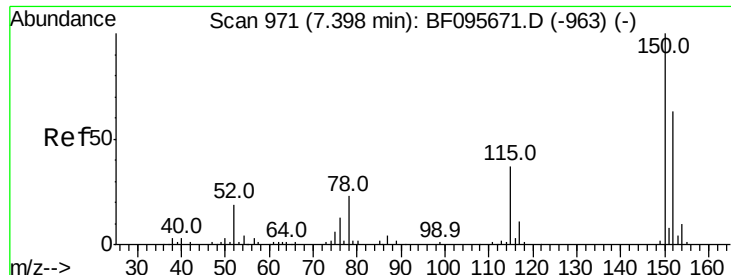
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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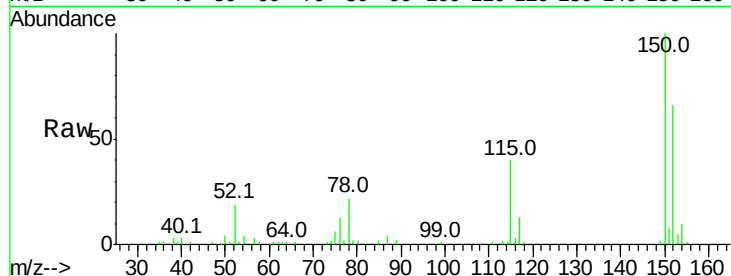


#1

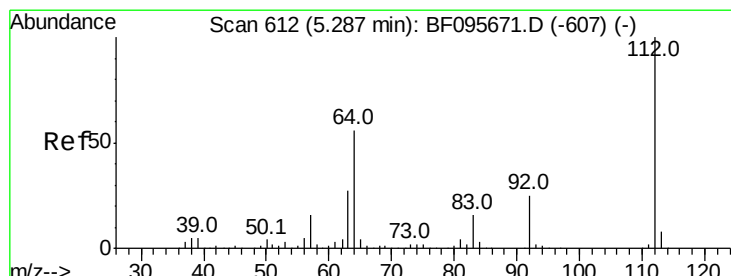
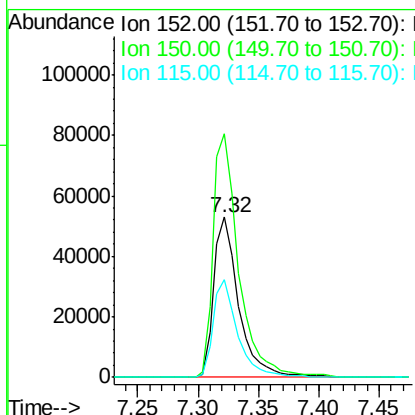
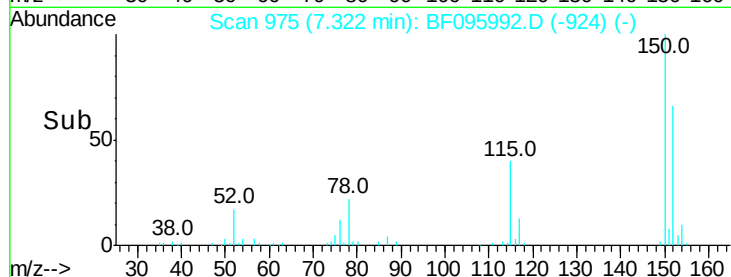
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.32 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 75330
Ion Ratio Lower Upper
152 100
150 152.2 126.2 189.2
115 61.0 52.2 78.2



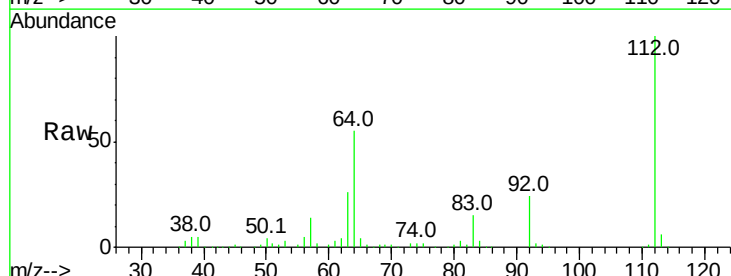
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



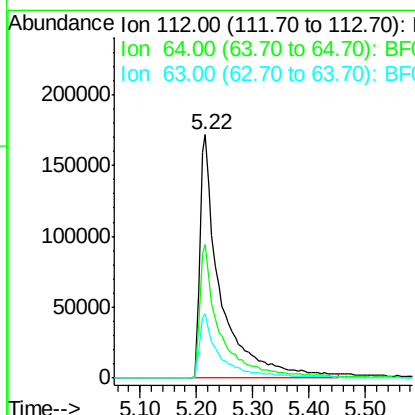
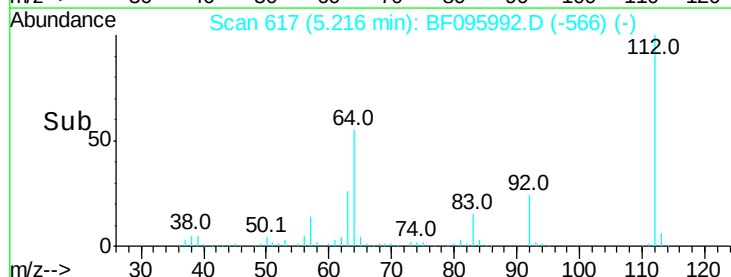
#5

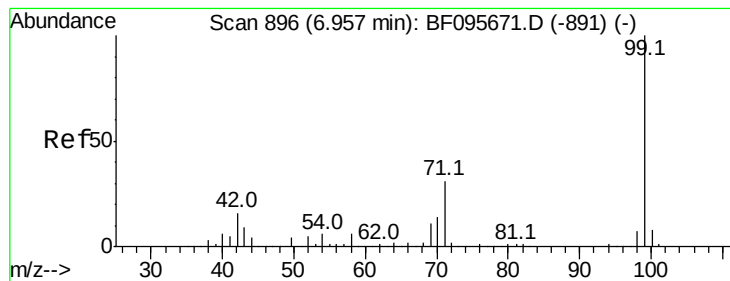
2-Fluorophenol
Concen: 92.27 ng
RT: 5.22 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

Tgt Ion:112 Resp: 436191
Ion Ratio Lower Upper
112 100
64 54.7 46.0 69.0
63 26.2 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: 97.18 ng

RT: 6.89 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF095992.D

Acq: 17 Jun 2017 11:59

Instrument :

BNA_F

ClientSampled :

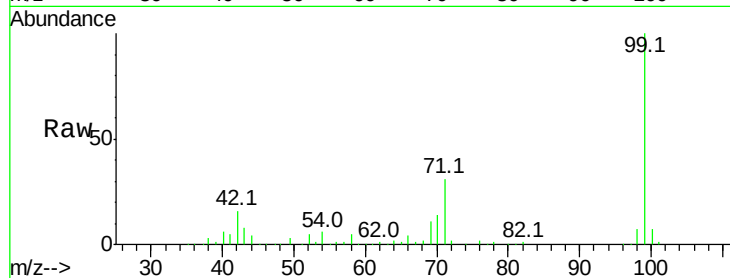
Tot Ion: 99 Resp: 550023

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

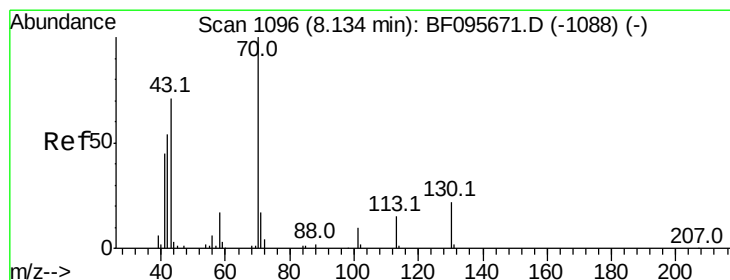
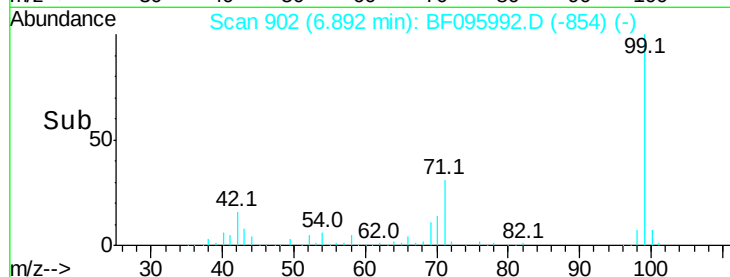
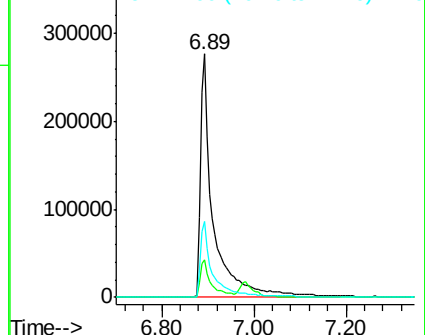
71 31.4 24.5 36.7



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: 10.37 ng

RT: 8.24 min Scan# 1131

Delta R.T. 0.17 min

Lab File: BF095992.D

Acq: 17 Jun 2017 11:59

Tgt Ion: 70 Resp: 37185

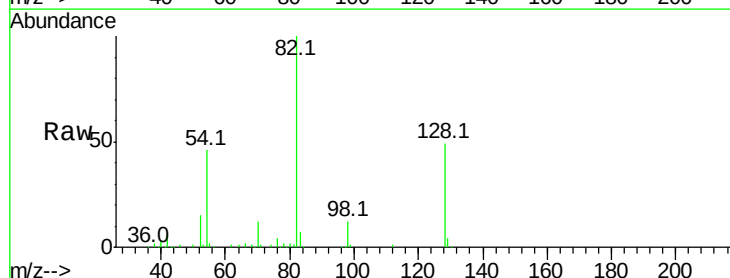
Ion Ratio Lower Upper

70 100

42 44.9 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

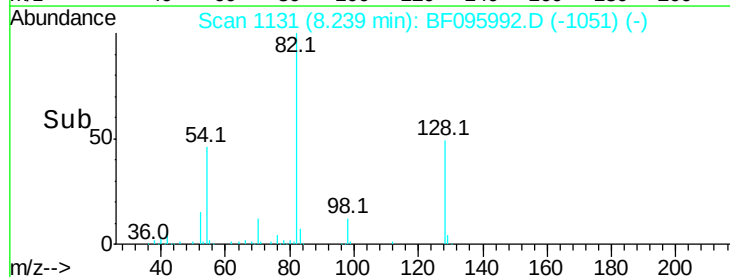
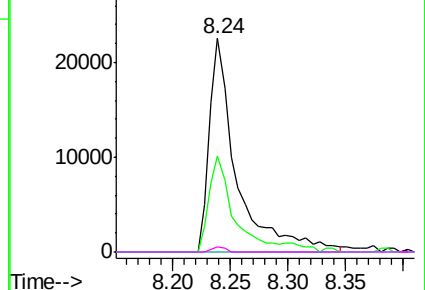


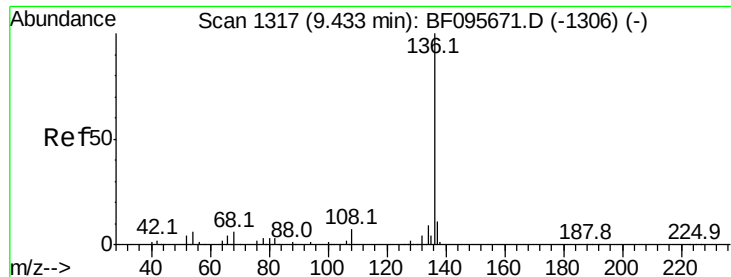
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

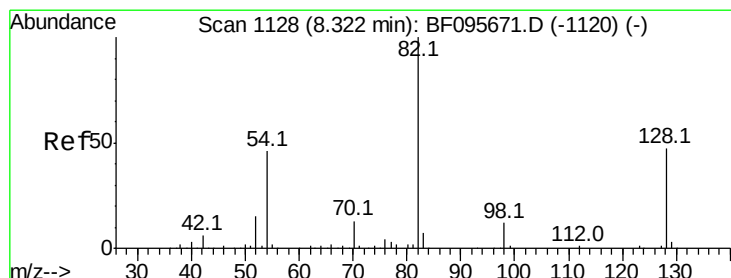
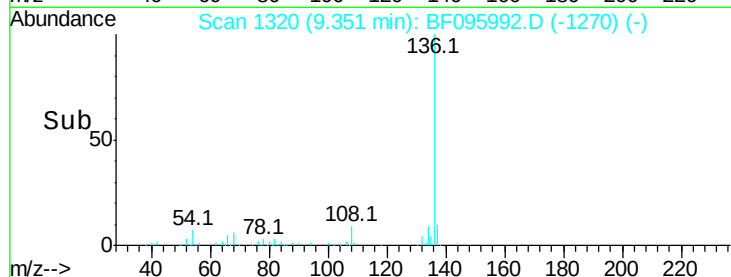
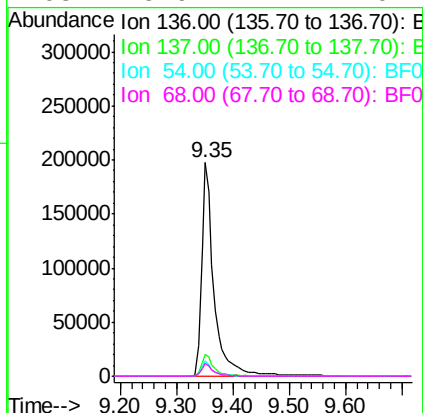
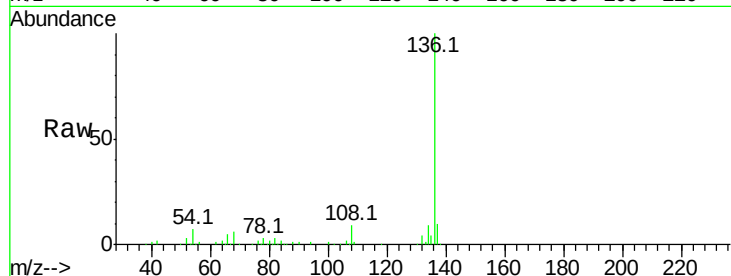




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.35 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

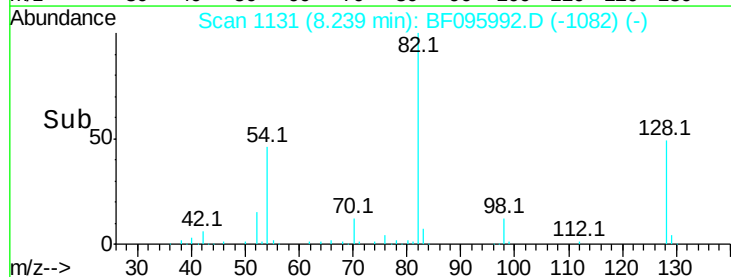
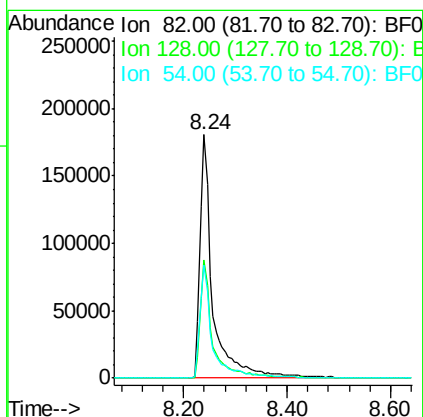
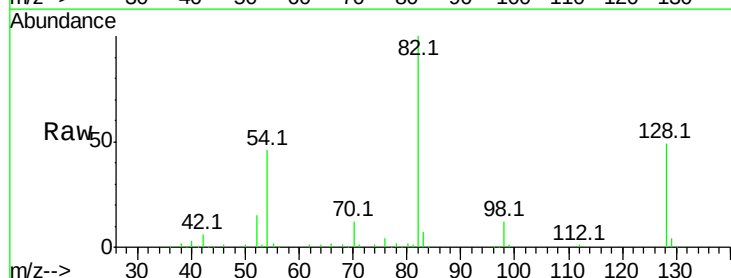
Instrument :
BNA_F
ClientSampleId :

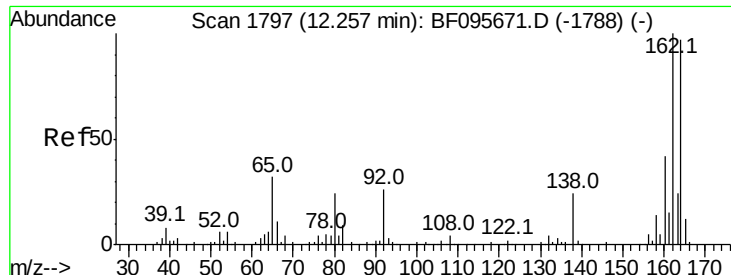
Tot Ion:136	Resp:	302237
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.5	12.7
54 6.9	4.9	7.3
68 5.9	4.1	6.1



#23
Nitrobenzene-d5
Concen: 63.40 ng
RT: 8.24 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

Tgt Ion: 82	Resp: 308528
Ion Ratio	Lower Upper
82 100	
128 48.8	34.0 51.0
54 46.4	42.2 63.2

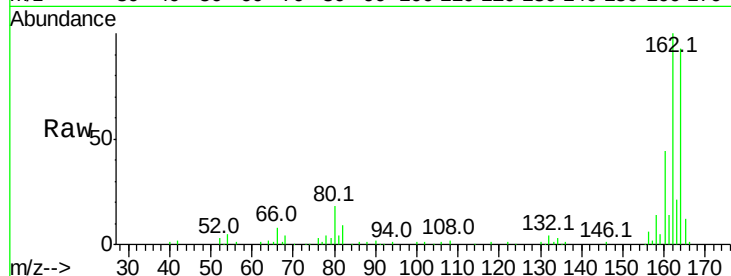




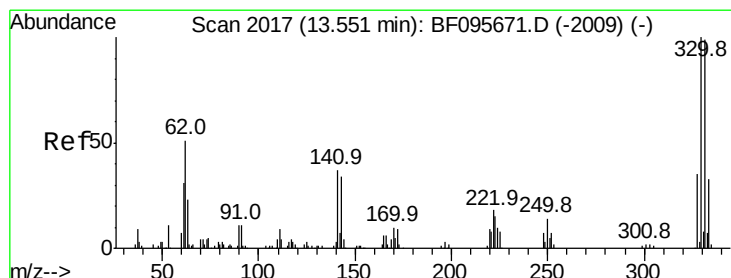
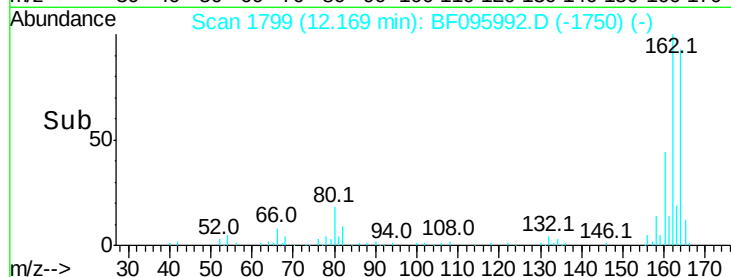
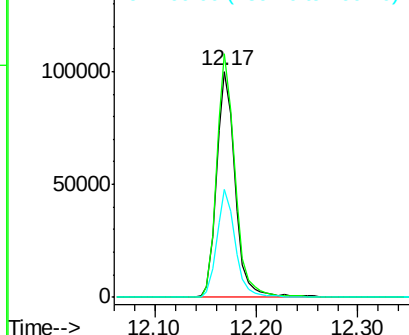
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.17 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 127759
Ion Ratio Lower Upper
164 100
162 107.7 82.6 123.8
160 47.7 36.2 54.2

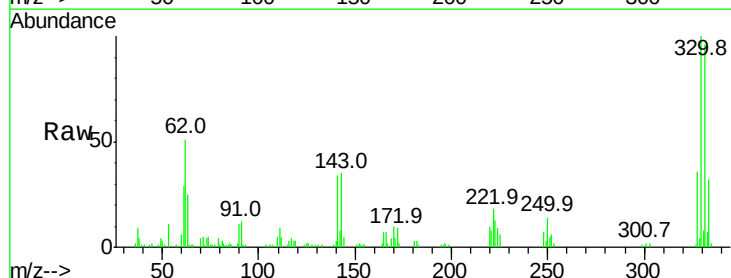


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

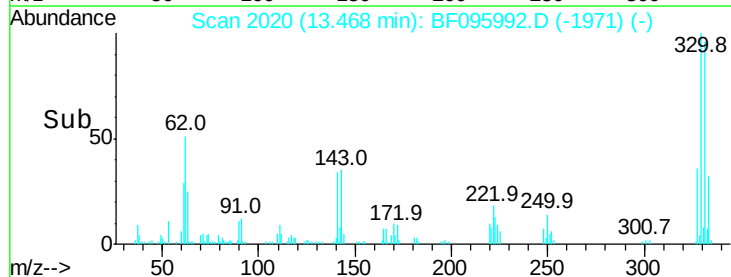
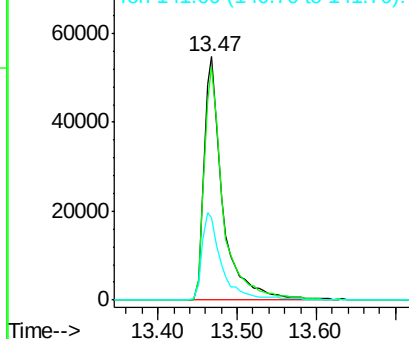


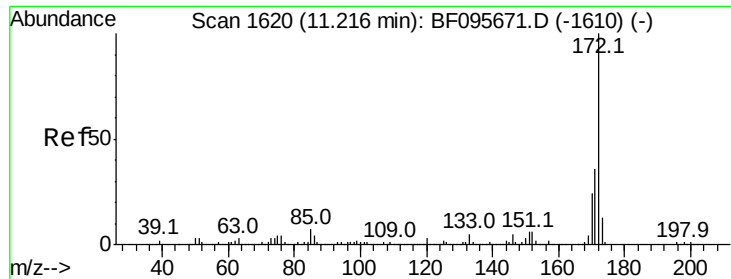
#41
2,4,6-Tribromophenol
Concen: 79.88 ng
RT: 13.47 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

Tgt Ion:330 Resp: 90299
Ion Ratio Lower Upper
330 100
332 97.3 76.6 115.0
141 38.2 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

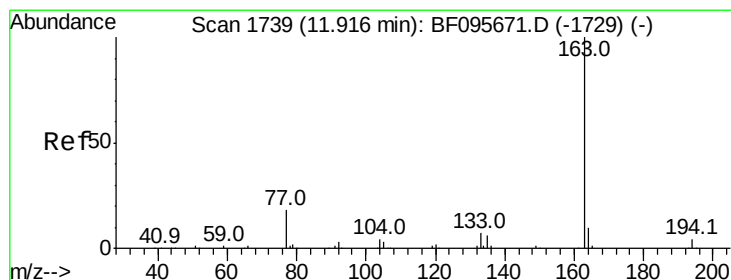
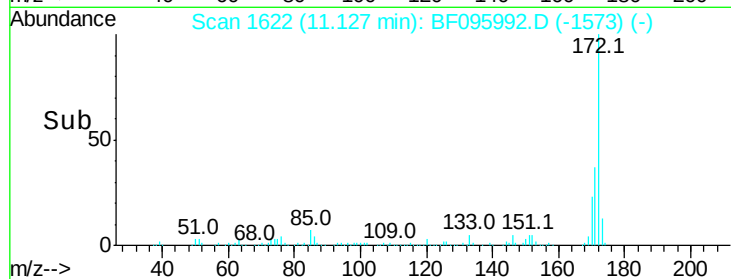
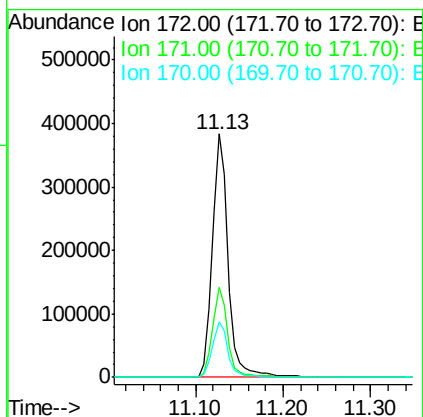
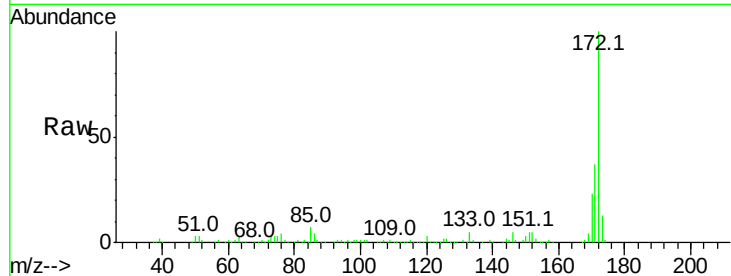




#44
2-Fluorobiphenyl
Concen: 52.64 ng
RT: 11.13 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

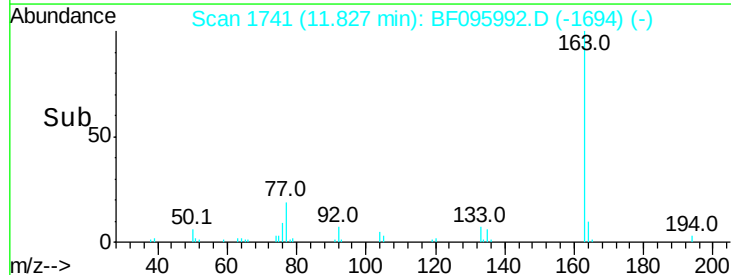
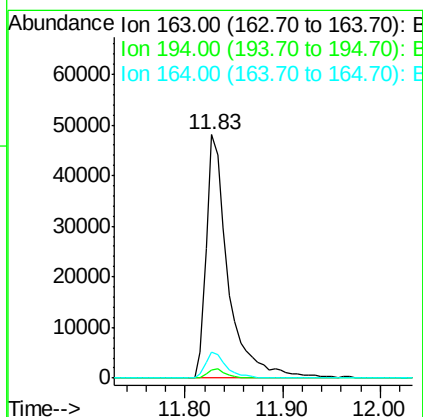
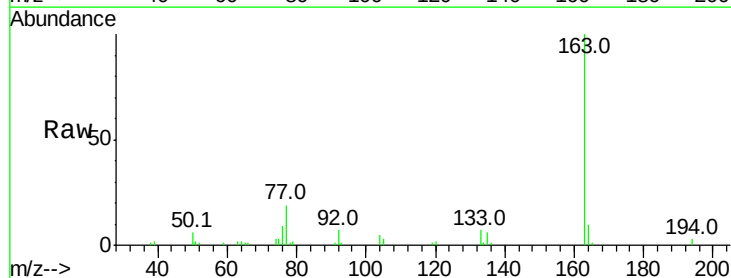
Instrument :
BNA_F
ClientSampleId :

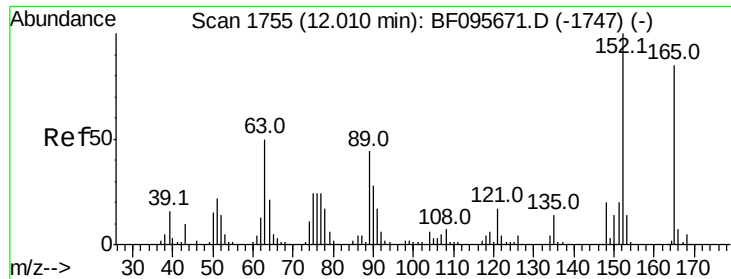
Tot Ion:172 Resp: 483266
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 23.0 19.8 29.8



#49
Dimethylphthalate
Concen: 7.74 ng
RT: 11.83 min Scan# 1741
Delta R.T. -0.02 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

Tgt Ion:163 Resp: 75120
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.5 8.4 12.6

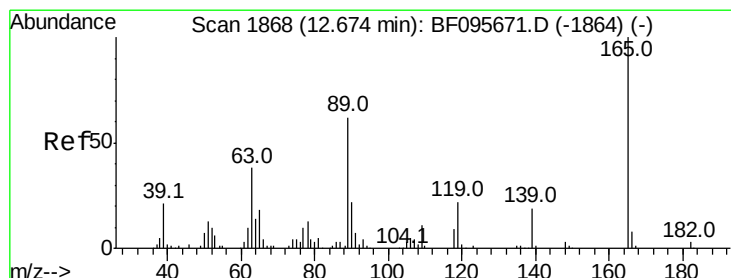
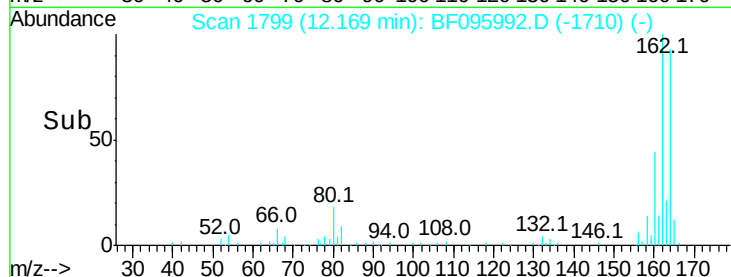
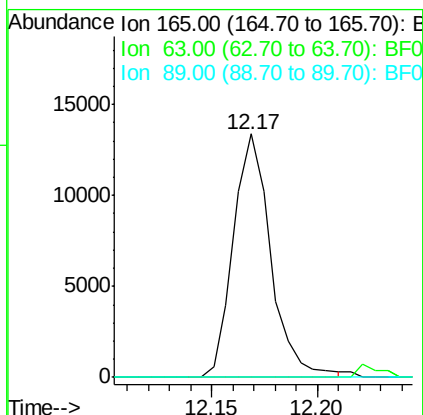
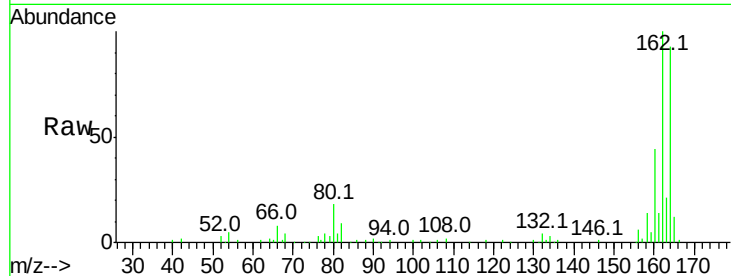




#50
 2,6-Dinitrotoluene
 Concen: 7.76 ng
 RT: 12.17 min Scan# 1799
 Delta R.T. 0.22 min
 Lab File: BF095992.D
 Acq: 17 Jun 2017 11:59

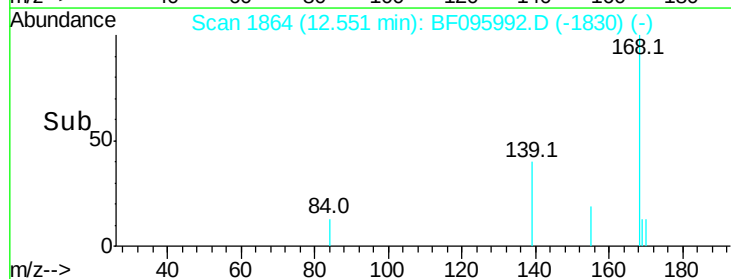
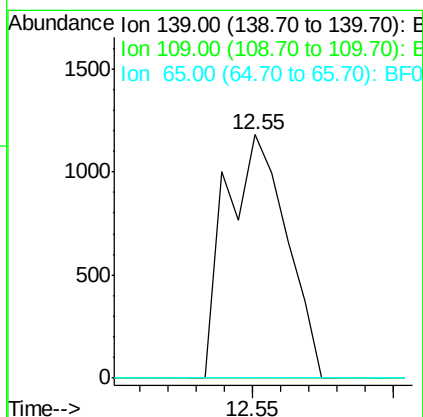
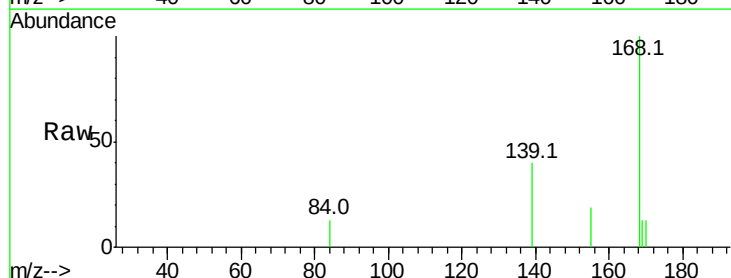
Instrument :
 BNA_F
 ClientSampleId :

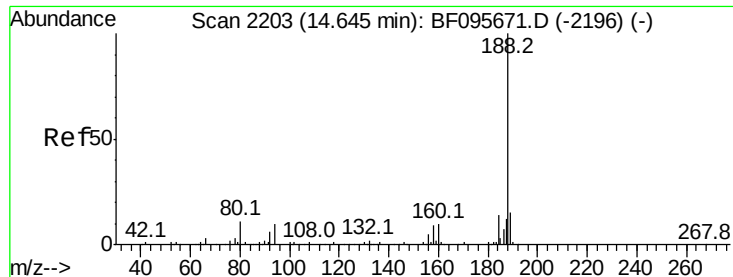
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



#55
 4-Nitrophenol
 Concen: 5.78 ng
 RT: 12.55 min Scan# 1864
 Delta R.T. -0.10 min
 Lab File: BF095992.D
 Acq: 17 Jun 2017 11:59

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

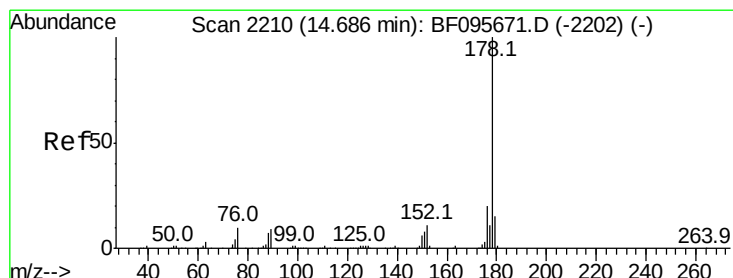
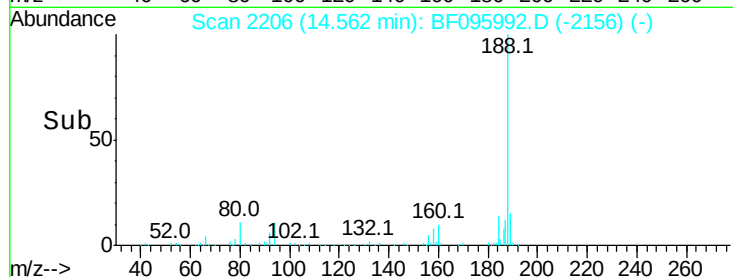
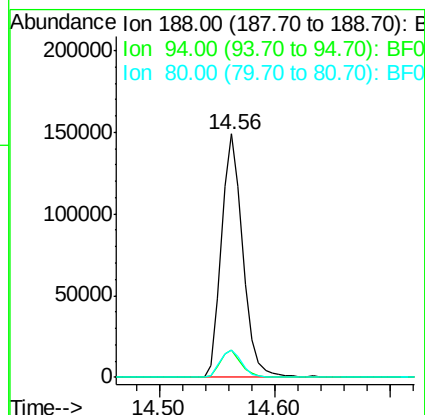
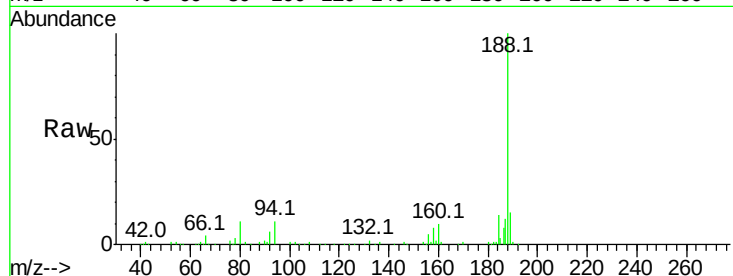




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.56 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

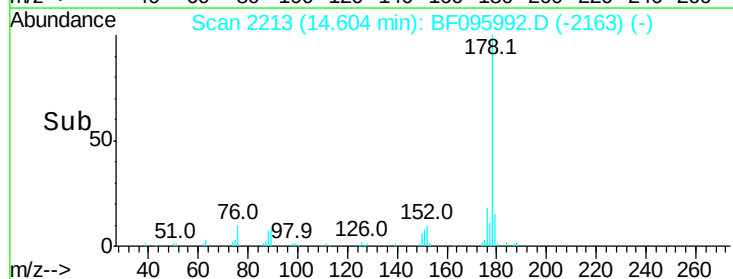
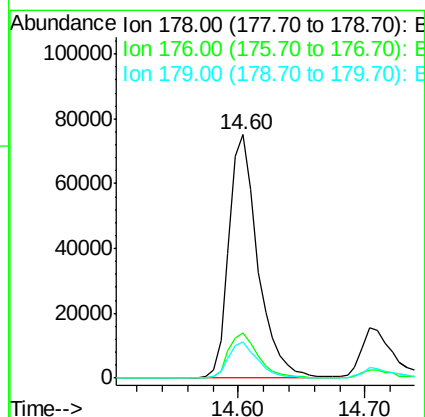
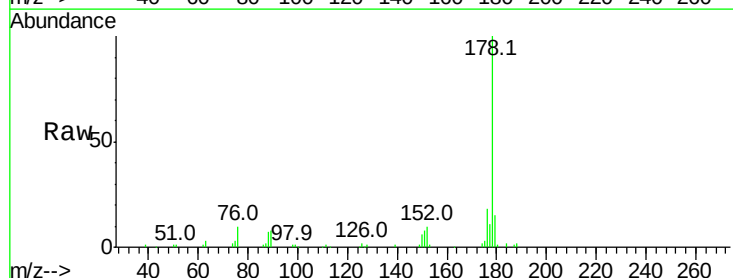
Instrument :
BNA_F
ClientSampleId :

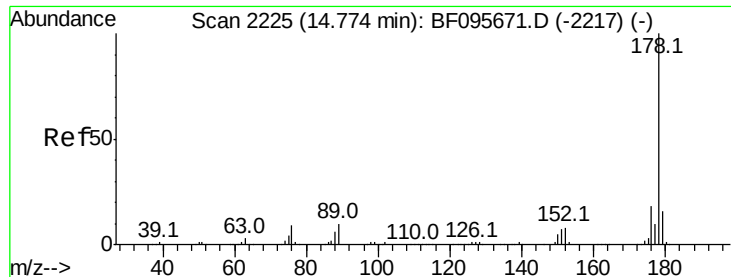
Tot Ion:188 Resp: 190936
Ion Ratio Lower Upper
188 100
94 11.1 9.4 14.2
80 11.0 10.2 15.2



#70
Phenanthrene
Concen: 10.82 ng
RT: 14.60 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

Tgt Ion:178 Resp: 119182
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 15.0 12.6 19.0

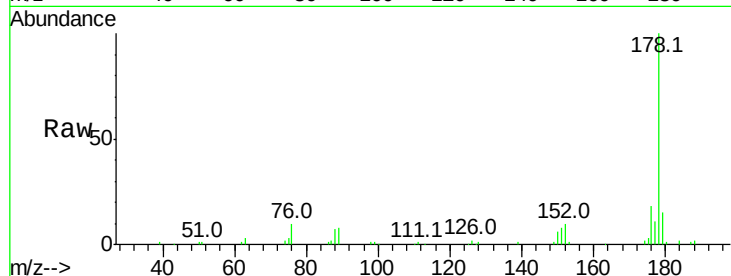




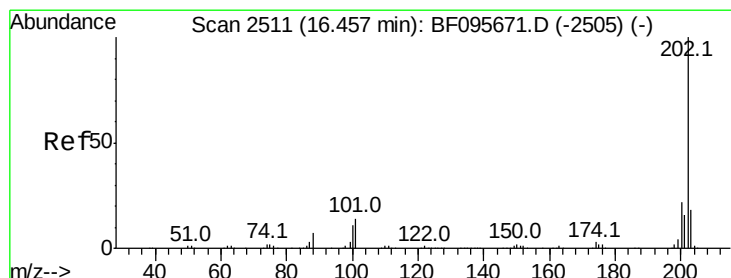
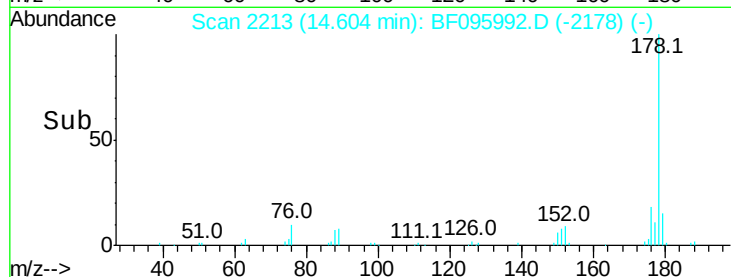
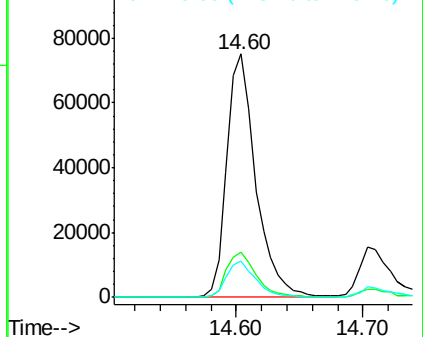
#71
 Anthracene
 Concen: 10.36 ng
 RT: 14.60 min Scan# 2213
 Delta R.T. -0.09 min
 Lab File: BF095992.D
 Acq: 17 Jun 2017 11:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 119182
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 15.0 12.7 19.1

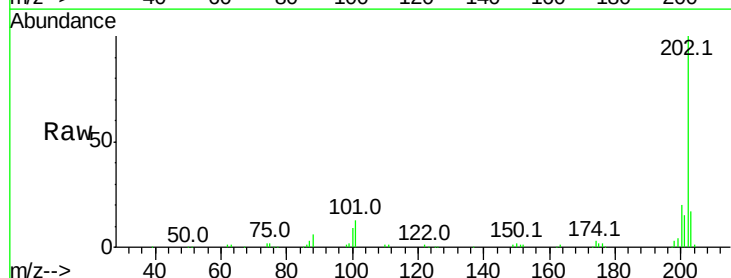


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

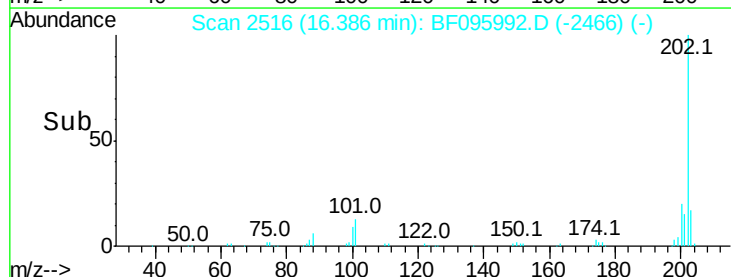
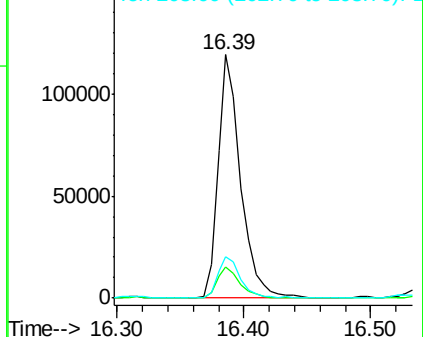


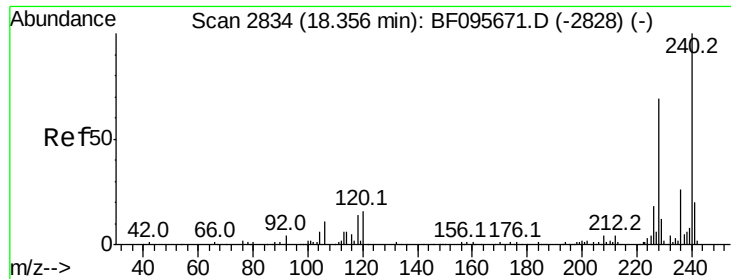
#74
 Fluoranthene
 Concen: 13.55 ng
 RT: 16.39 min Scan# 2516
 Delta R.T. -0.01 min
 Lab File: BF095992.D
 Acq: 17 Jun 2017 11:59

Tgt Ion:202 Resp: 147759
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 33.2
 203 17.0 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

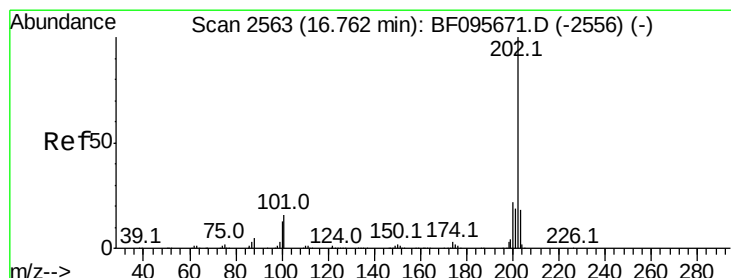
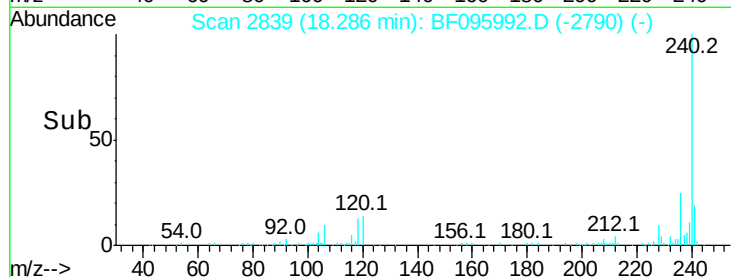
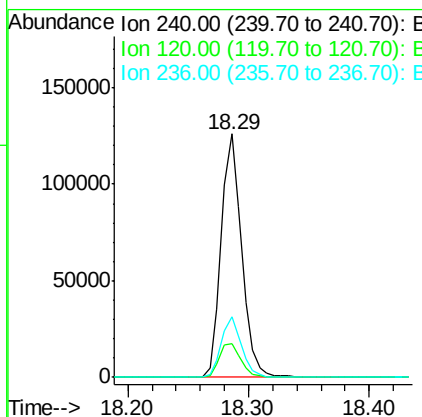
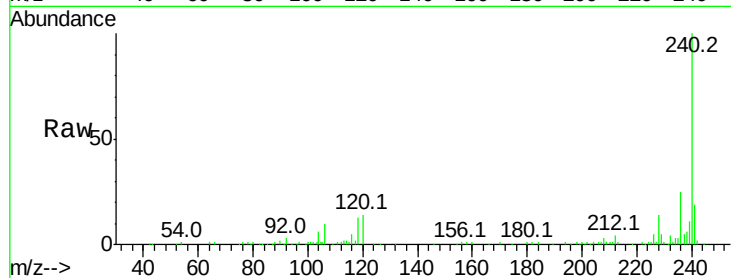




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.29 min Scan# 2839
Delta R.T. -0.01 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

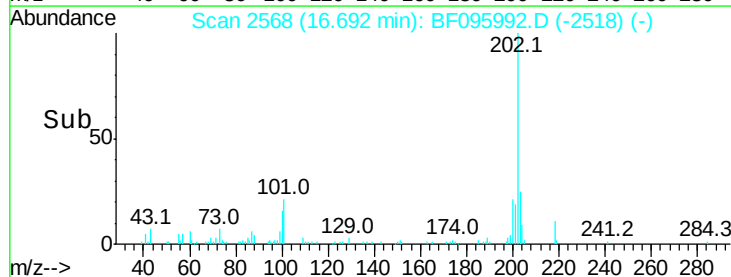
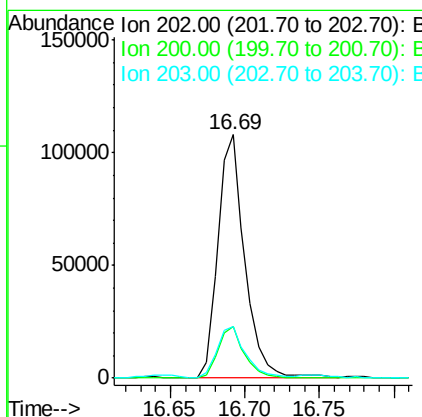
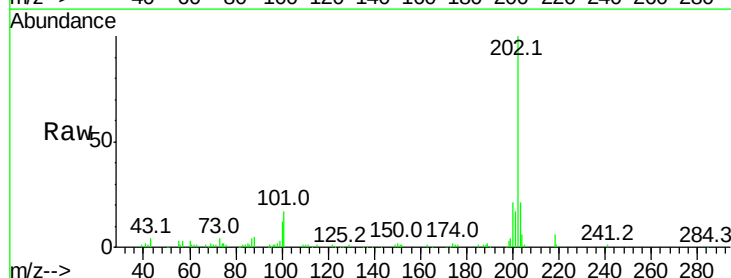
Instrument :
BNA_F
ClientSampleId :

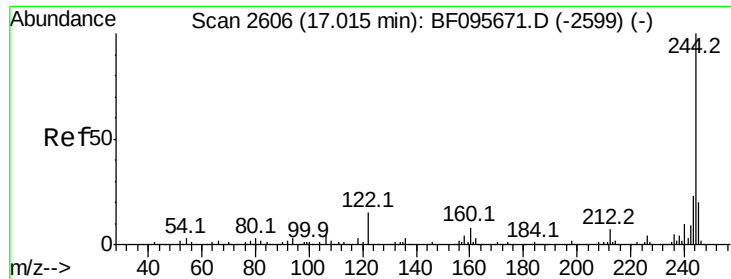
Tot Ion:240 Resp: 148054
Ion Ratio Lower Upper
240 100
120 13.6 5.8 8.8#
236 24.9 20.5 30.7



#77
Pyrene
Concen: 12.37 ng
RT: 16.69 min Scan# 2568
Delta R.T. -0.01 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

Tgt Ion:202 Resp: 136643
Ion Ratio Lower Upper
202 100
200 21.4 17.6 26.4
203 21.1 14.4 21.6

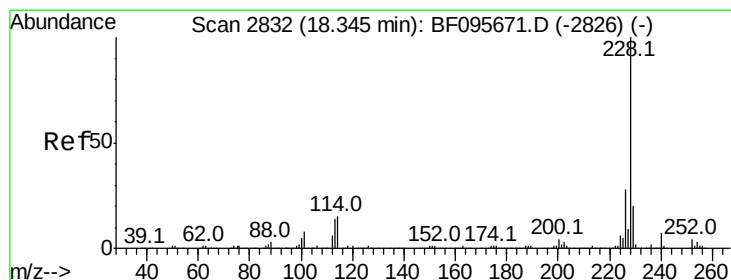
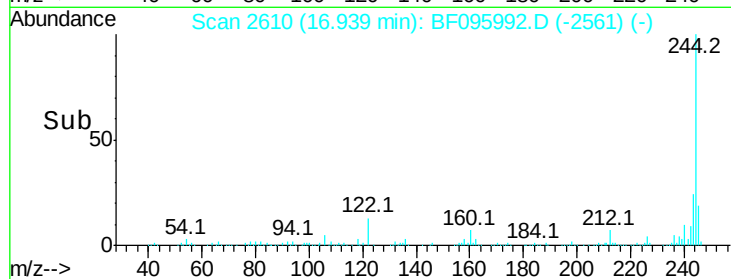
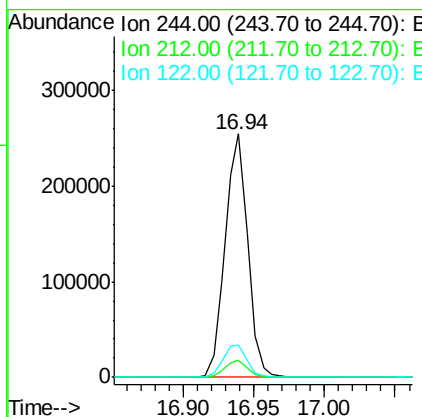
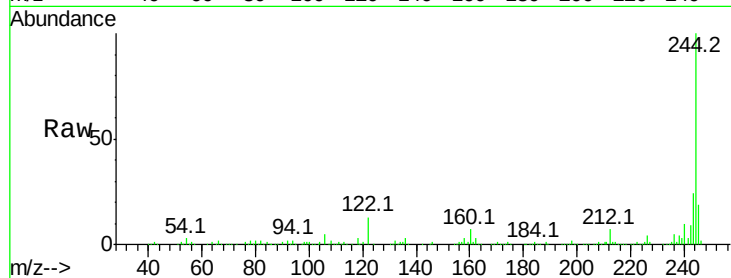




#78
 Terphenyl-d14
 Concen: 47.37 ng
 RT: 16.94 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF095992.D
 Acq: 17 Jun 2017 11:59

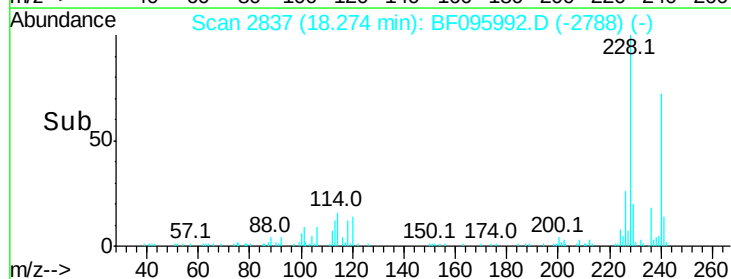
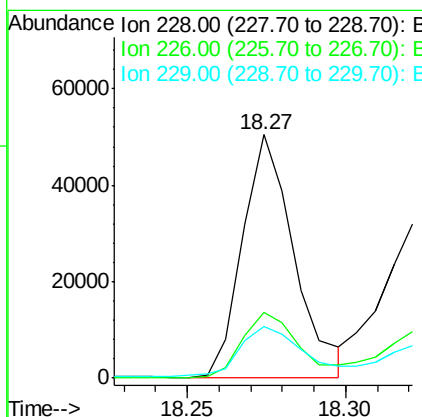
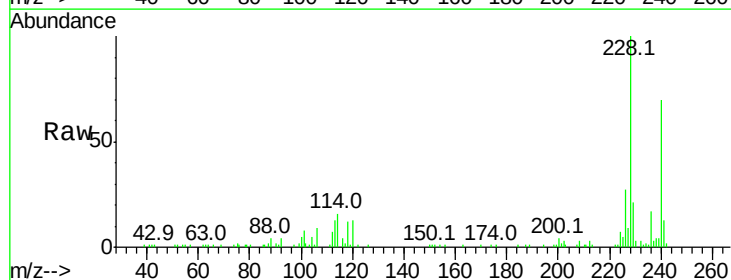
Instrument :
 BNA_F
 ClientSampleId :

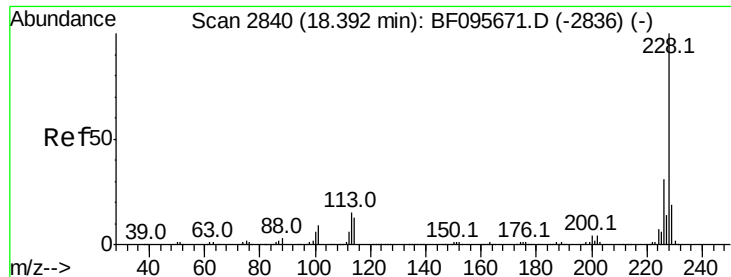
Tot Ion:244 Resp: 282597
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 6.65 ng
 RT: 18.27 min Scan# 2837
 Delta R.T. -0.01 min
 Lab File: BF095992.D
 Acq: 17 Jun 2017 11:59

Tgt Ion:228 Resp: 57283
 Ion Ratio Lower Upper
 228 100
 226 27.0 22.6 33.8
 229 21.4 16.3 24.5





#82

Chrysene

Concen: 6.34 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095992.D

Acq: 17 Jun 2017 11:59

Instrument :

BNA_F

ClientSampleId :

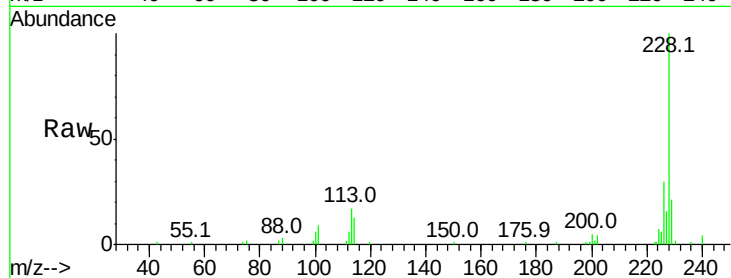
Tot Ion:228 Resp: 54557

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

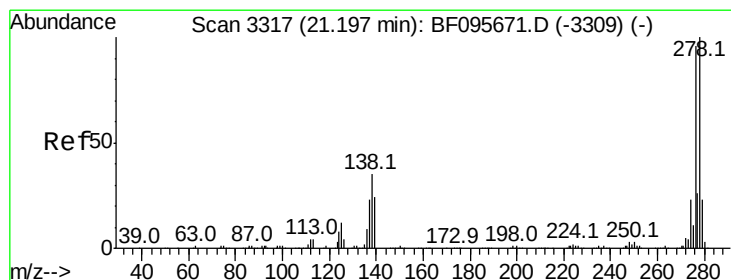
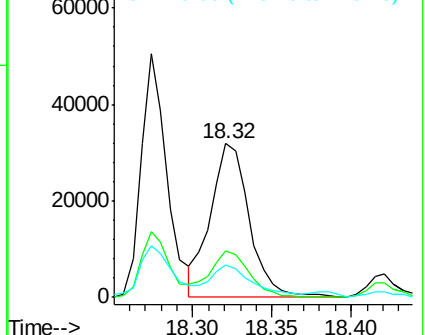
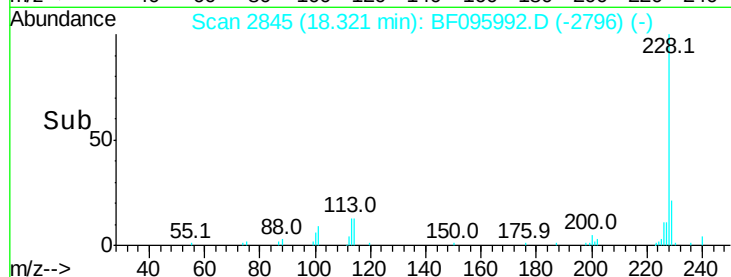
229 21.0 15.8 23.6



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: 3.08 ng

RT: 21.14 min Scan# 3324

Delta R.T. 0.01 min

Lab File: BF095992.D

Acq: 17 Jun 2017 11:59

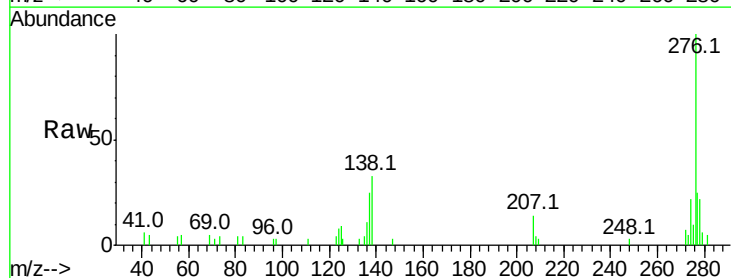
Tgt Ion:276 Resp: 22661

Ion Ratio Lower Upper

276 100

138 33.2 27.8 41.6

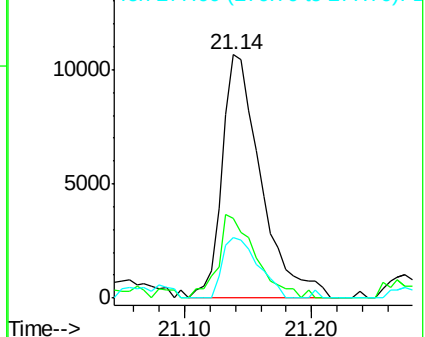
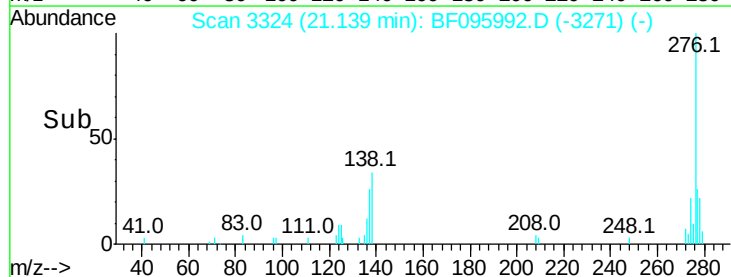
277 22.9 20.2 30.4

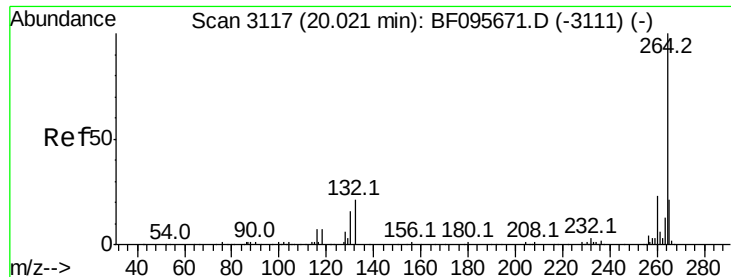


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

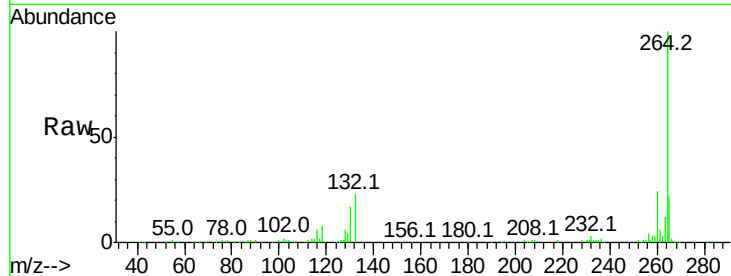




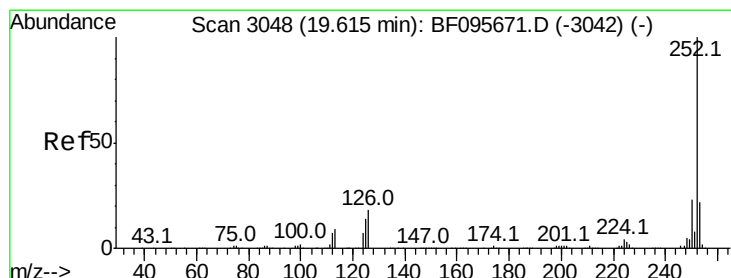
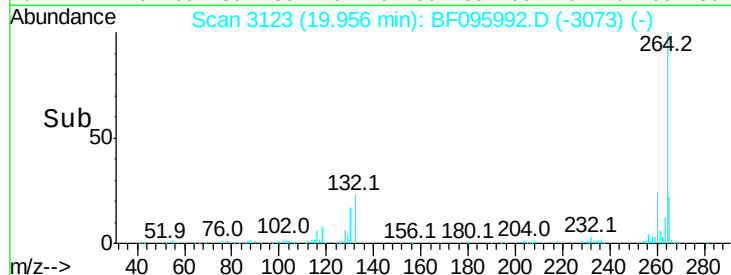
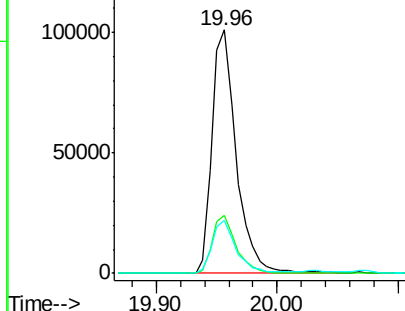
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 139685
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 21.6 17.2 25.8

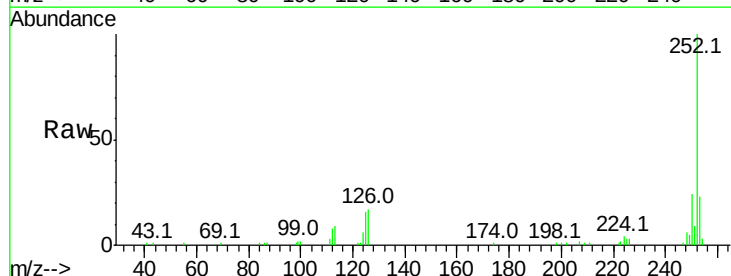


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

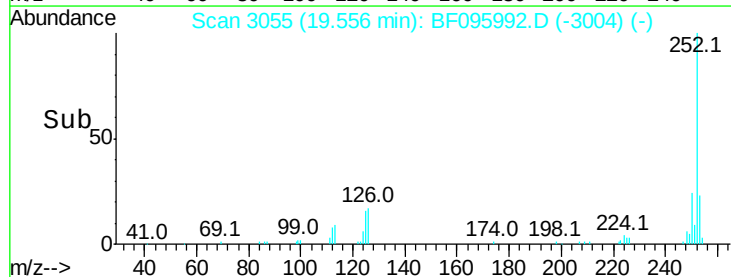
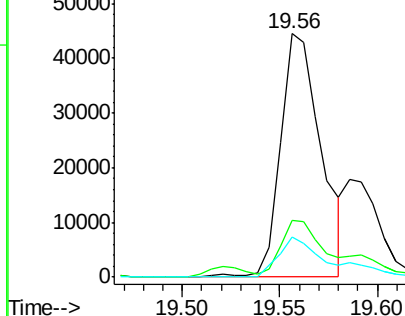


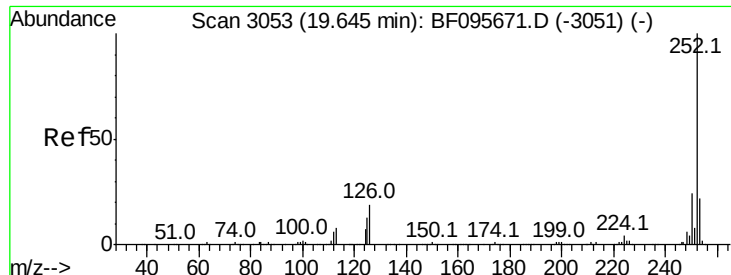
#87
Benzo(b)fluoranthene
Concen: 7.32 ng
RT: 19.56 min Scan# 3055
Delta R.T. 0.00 min
Lab File: BF095992.D
Acq: 17 Jun 2017 11:59

Tgt Ion:252 Resp: 64045
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 16.5 9.8 14.8#



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





#88

Benzo(k)fluoranthene

Concen: 7.66 ng

RT: 19.56 min Scan# 3055

Delta R.T. -0.04 min

Lab File: BF095992.D

Acq: 17 Jun 2017 11:59

Instrument :

BNA_F

ClientSampleId :

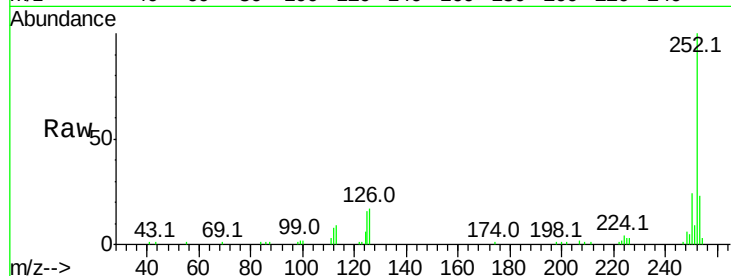
Tot Ion:252 Resp: 64045

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

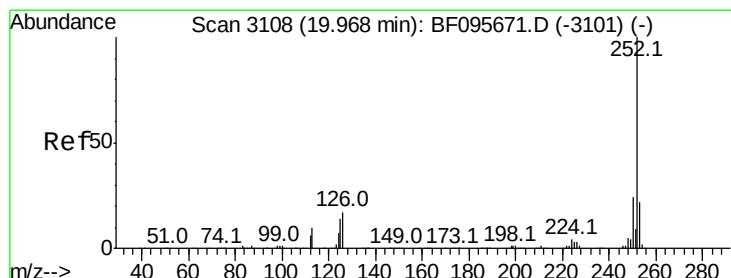
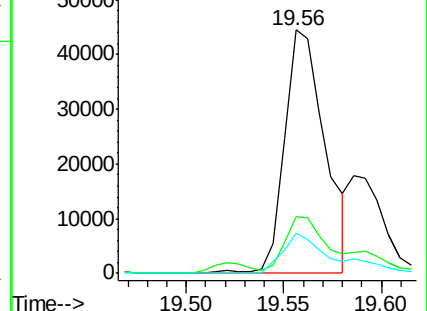
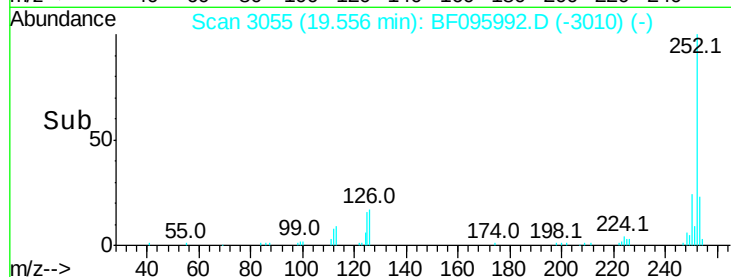
125 16.5 13.1 19.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 6.32 ng

RT: 19.90 min Scan# 3114

Delta R.T. -0.01 min

Lab File: BF095992.D

Acq: 17 Jun 2017 11:59

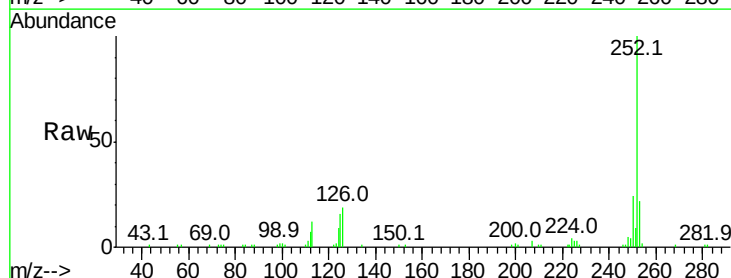
Tgt Ion:252 Resp: 50805

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

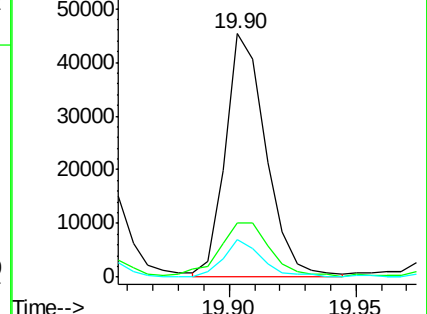
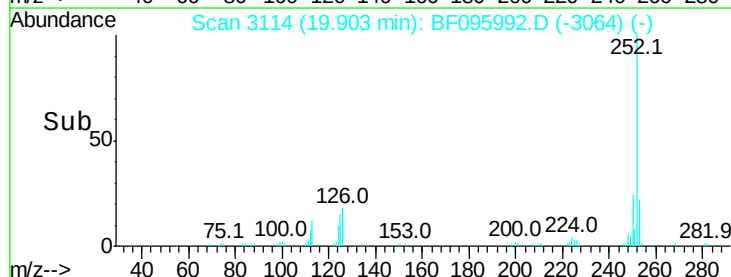
125 15.6 11.0 16.4

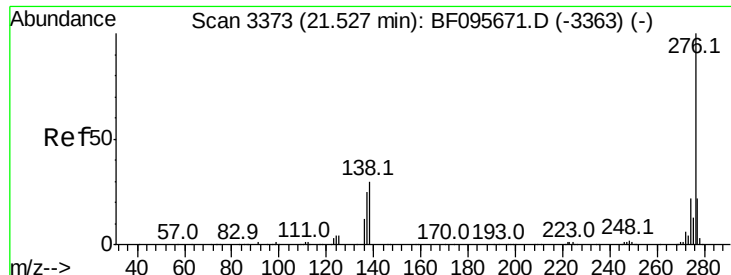


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.85 ng

RT: 21.47 min Scan# 3381

Delta R.T. 0.03 min

Lab File: BF095992.D

Acq: 17 Jun 2017 11:59

Instrument :

BNA_F

ClientSampleId :

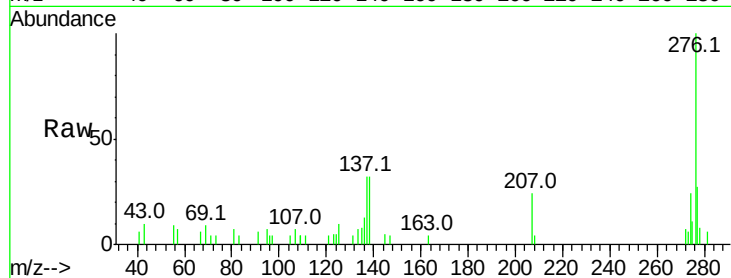
Tot Ion: 276 Resp: 19800

Ion Ratio Lower Upper

276 100

277 26.6 18.6 28.0

138 31.6 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

