

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\
 Data File : BF095985.D
 Acq On : 17 Jun 2017 8:12
 Operator : SJ/MA
 Sample : I3688-16
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 19 01:07:53 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

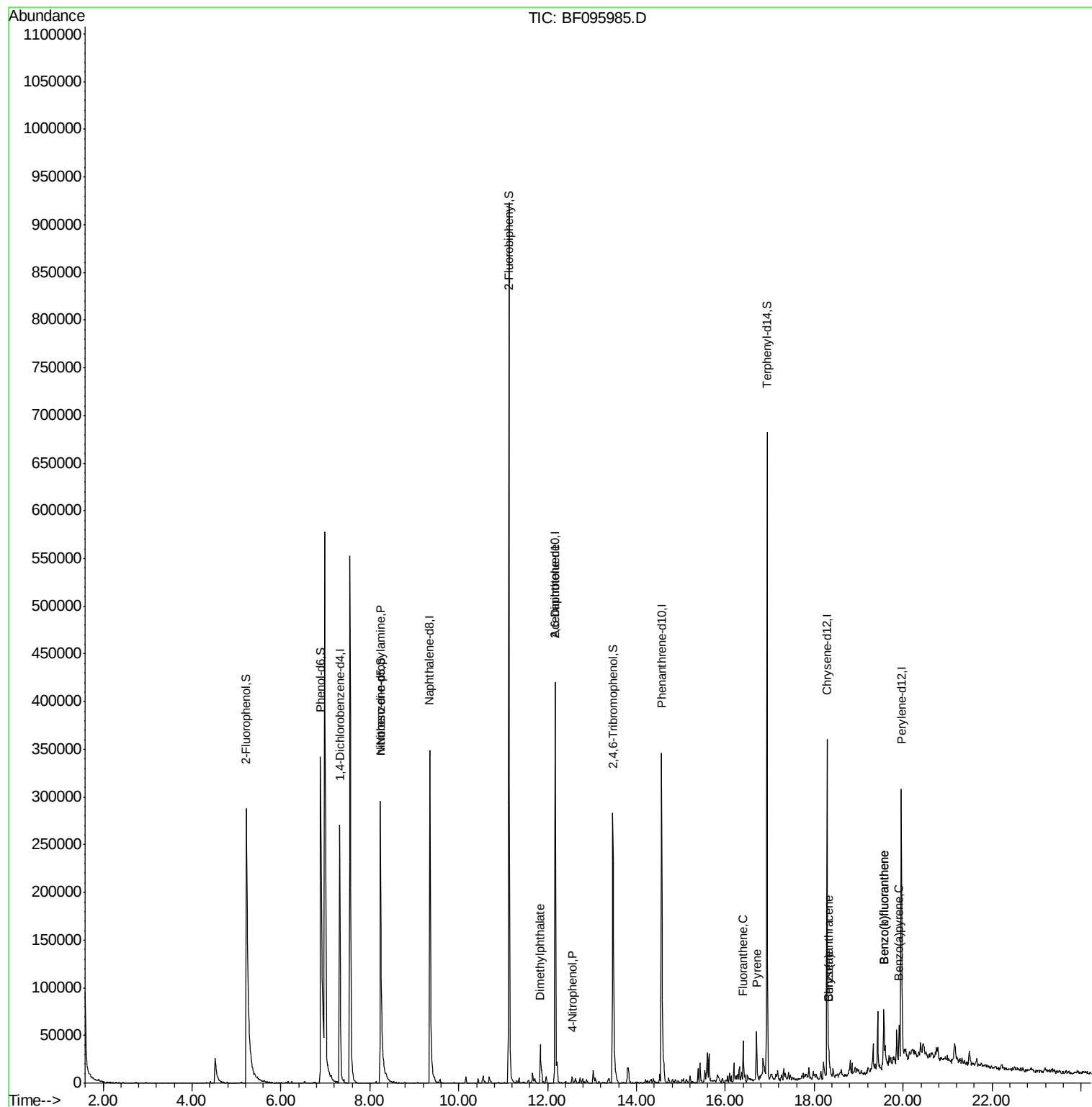
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	69266	20.00	ng	0.00
21) Naphthalene-d8	9.35	136	280486	20.00	ng	0.00
38) Acenaphthene-d10	12.17	164	124067	20.00	ng	-0.01
63) Phenanthrene-d10	14.56	188	194713	20.00	ng	0.00
75) Chrysene-d12	18.29	240	144011	20.00	ng	-0.01
86) Perylene-d12	19.96	264	134481	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	273489	62.92	ng	0.00
7) Phenol-d6	6.89	99	360143	69.21	ng	-0.02
23) Nitrobenzene-d5	8.24	82	209207	46.32	ng	-0.01
41) 2,4,6-Tribromophenol	13.47	330	60862	55.44	ng	-0.01
44) 2-Fluorobiphenyl	11.13	172	425037	47.67	ng	-0.01
78) Terphenyl-d14	16.94	244	242904	41.86	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.24	70	24858	7.54	ng	# 80
49) Dimethylphthalate	11.83	163	33100	3.51	ng	100
50) 2,6-Dinitrotoluene	12.17	165	15630	7.61	ng	# 31
55) 4-Nitrophenol	12.55	139	1019	5.31	ng	# 25
74) Fluoranthene	16.40	202	25964	2.33	ng	96
77) Pyrene	16.70	202	26794	2.49	ng	96
80) Benzo(a)anthracene	18.33	228	22944	2.74	ng	95
82) Chrysene	18.33	228	22944	2.74	ng	97
87) Benzo(b)fluoranthene	19.56	252	31063	3.69	ng	# 93
88) Benzo(k)fluoranthene	19.56	252	31063	3.86	ng	96
89) Benzo(a)pyrene	19.91	252	15550	2.01	ng	# 93

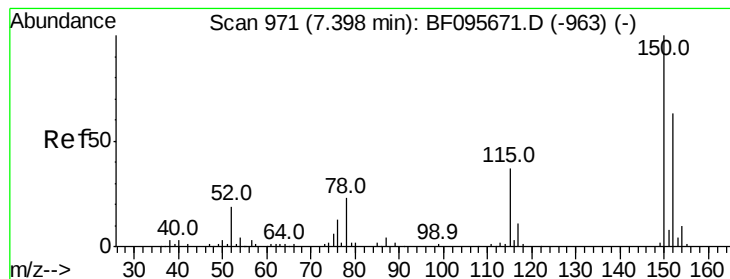
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF095985.D

Acq: 17 Jun 2017 8:12

Instrument :

BNA_F

ClientSampled :

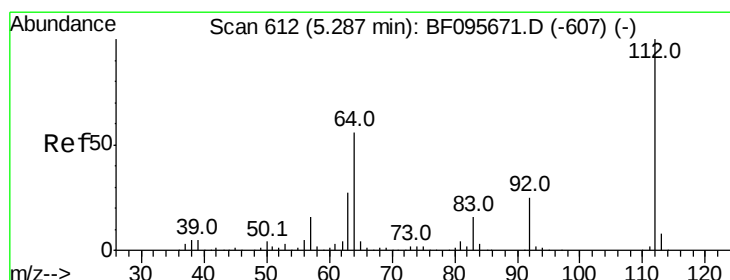
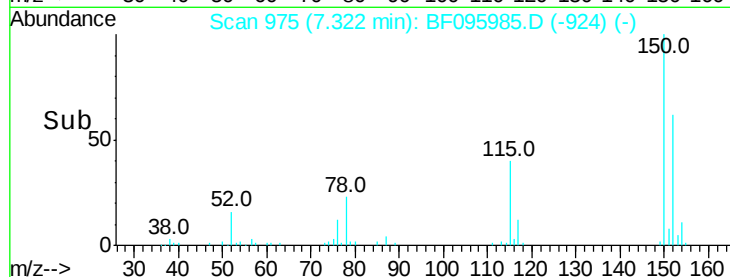
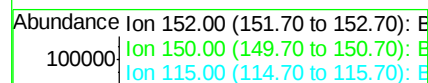
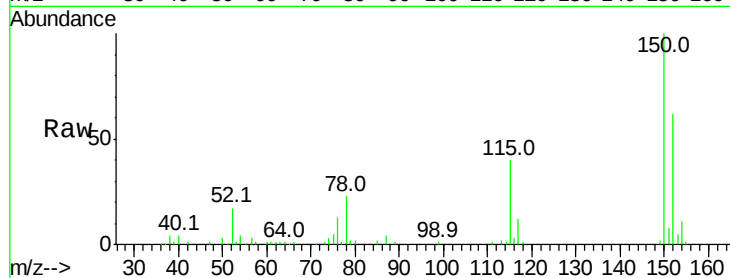
Tot Ion:152 Resp: 69266

Ion Ratio Lower Upper

152 100

150 161.2 126.2 189.2

115 63.8 52.2 78.2



#5

2-Fluorophenol

Concen: 62.92 ng

RT: 5.22 min Scan# 618

Delta R.T. 0.01 min

Lab File: BF095985.D

Acq: 17 Jun 2017 8:12

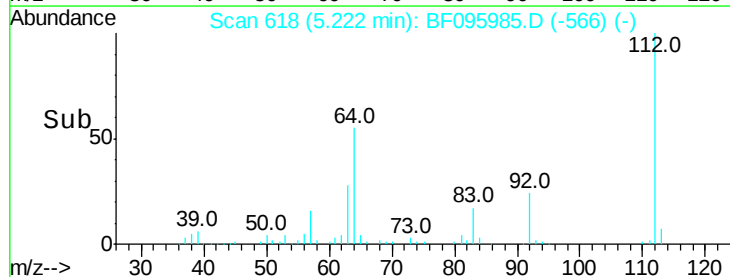
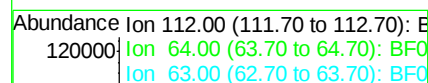
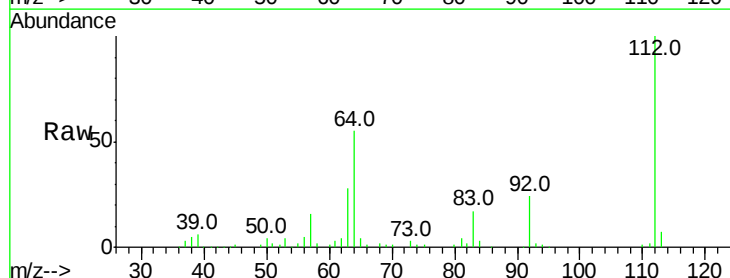
Tgt Ion:112 Resp: 273489

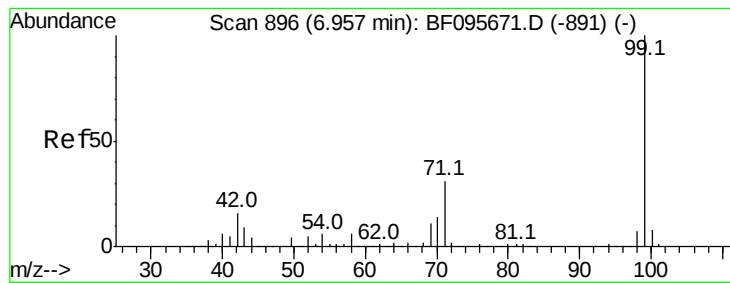
Ion Ratio Lower Upper

112 100

64 55.0 46.0 69.0

63 27.6 23.4 35.0





#7

Phenol-d6

Concen: 69.21 ng

RT: 6.89 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF095985.D

Acq: 17 Jun 2017 8:12

Instrument :

BNA_F

ClientSampleId :

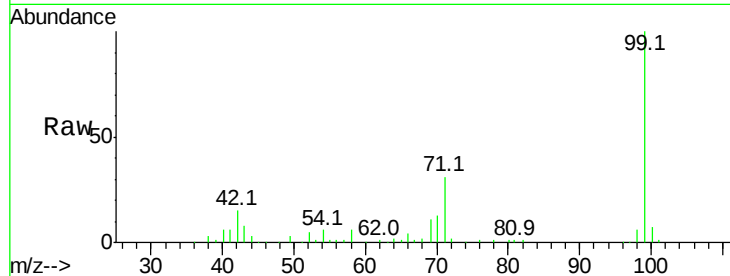
Tot Ion: 99 Resp: 360143

Ion Ratio Lower Upper

99 100

42 15.1 13.5 20.3

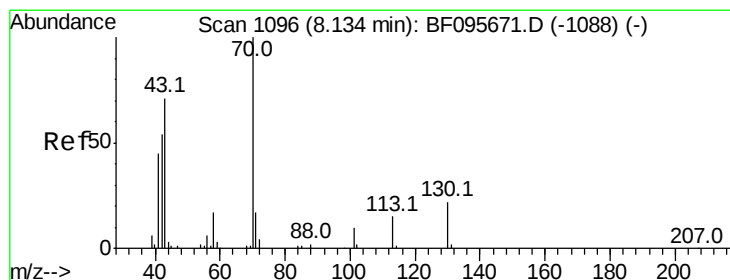
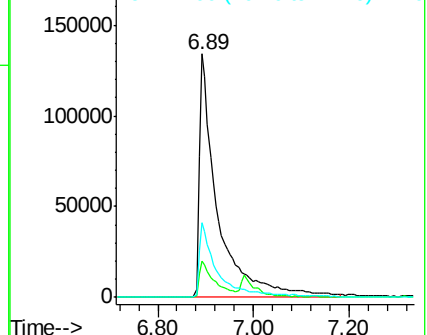
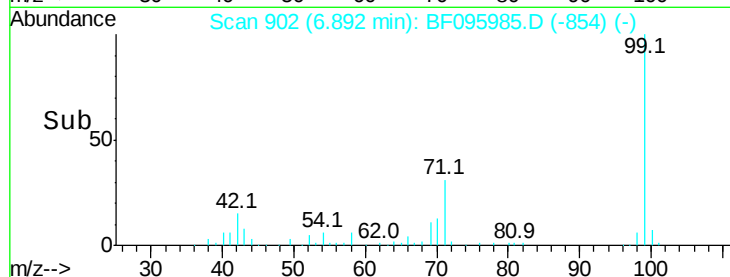
71 30.6 24.5 36.7



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: 7.54 ng

RT: 8.24 min Scan# 1131

Delta R.T. 0.17 min

Lab File: BF095985.D

Acq: 17 Jun 2017 8:12

Tgt Ion: 70 Resp: 24858

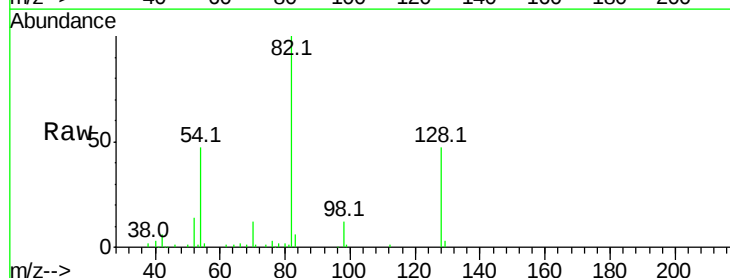
Ion Ratio Lower Upper

70 100

42 50.6 47.2 70.8

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

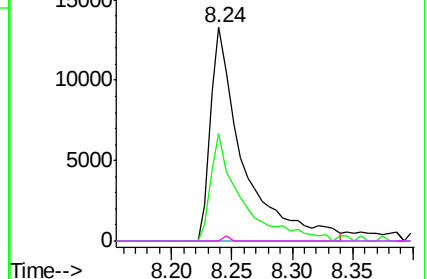
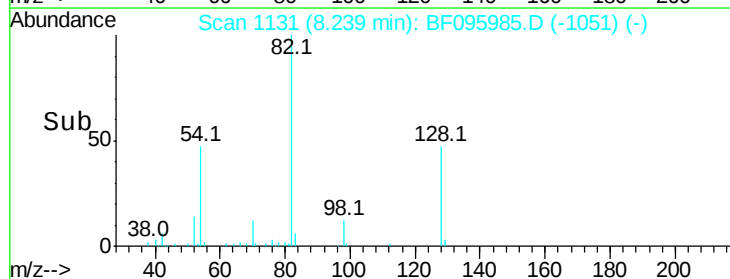


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

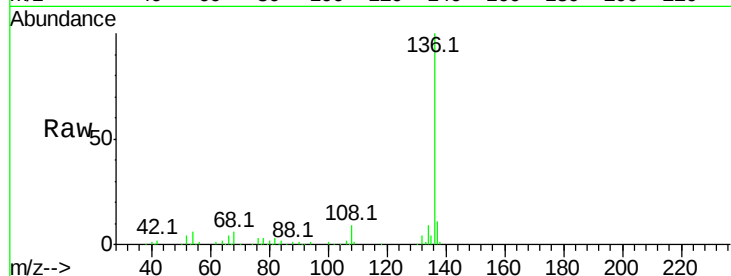




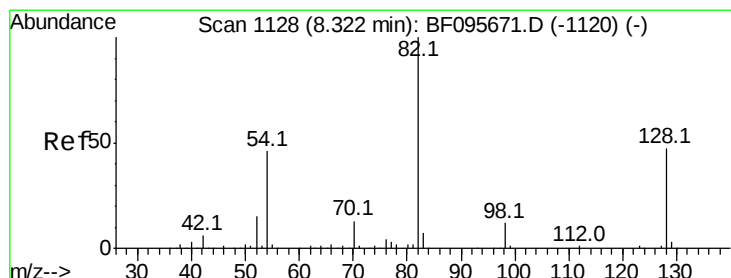
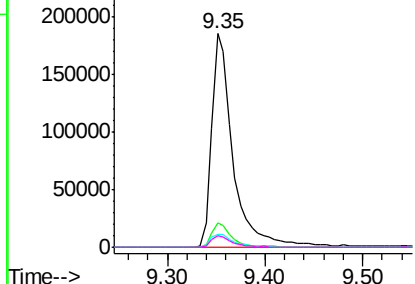
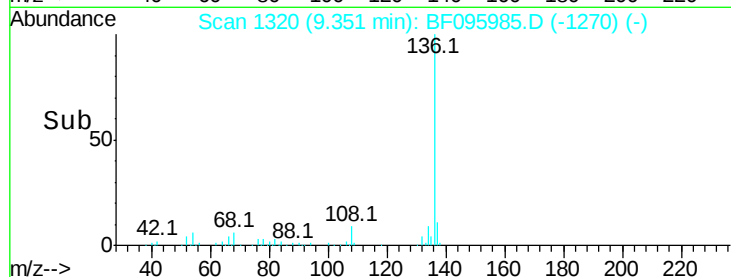
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.35 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF095985.D
Acq: 17 Jun 2017 8:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	280486
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.5 12.7
54	6.3	4.9 7.3
68	5.7	4.1 6.1

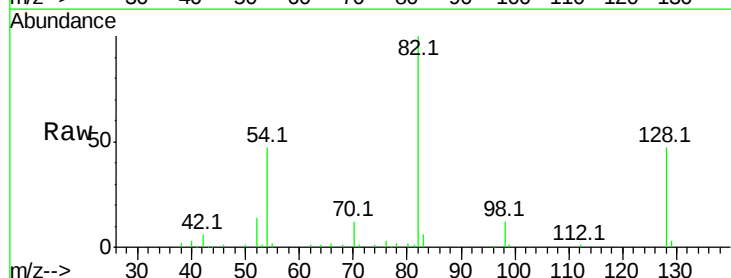


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

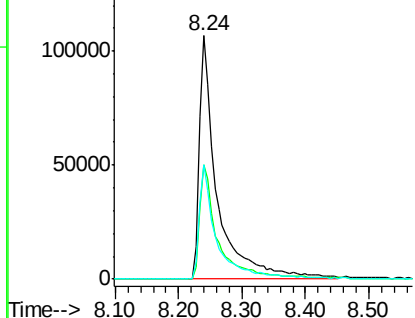
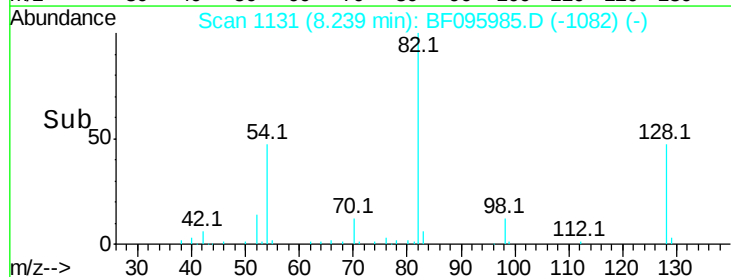


#23
Nitrobenzene-d5
Concen: 46.32 ng
RT: 8.24 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF095985.D
Acq: 17 Jun 2017 8:12

Tgt Ion: 82	Resp:	209207
Ion Ratio	Lower	Upper
82	100	
128	46.7	34.0 51.0
54	47.1	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: BF095985.D

Acq: 17 Jun 2017 8:12

Instrument :

BNA_F

ClientSampleId :

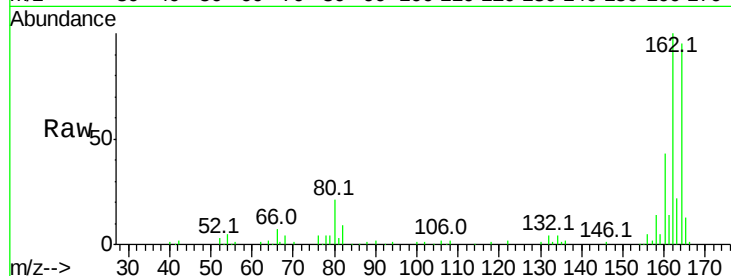
Tot Ion:164 Resp: 124067

Ion Ratio Lower Upper

164 100

162 105.1 82.6 123.8

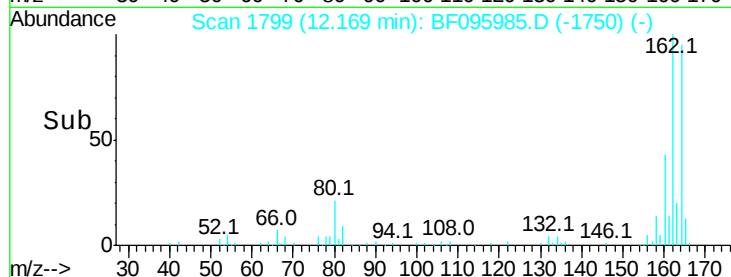
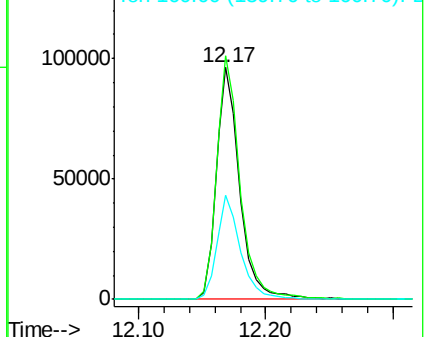
160 44.8 36.2 54.2



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: 55.44 ng

RT: 13.47 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF095985.D

Acq: 17 Jun 2017 8:12

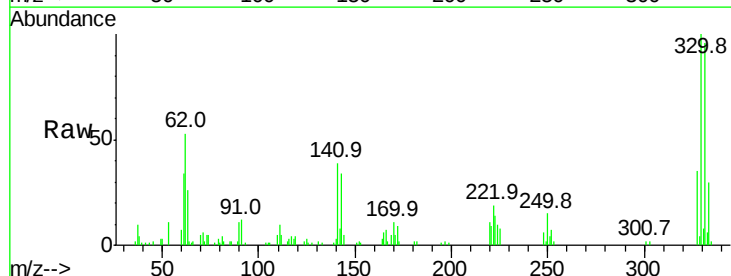
Tgt Ion:330 Resp: 60862

Ion Ratio Lower Upper

330 100

332 97.2 76.6 115.0

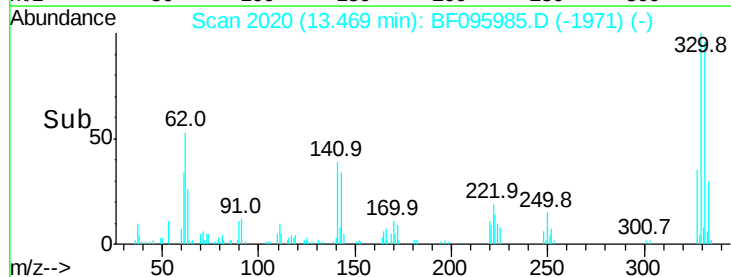
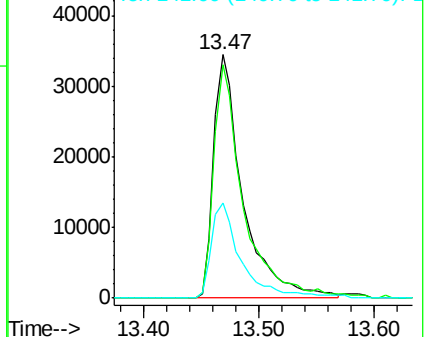
141 40.0 31.4 47.2

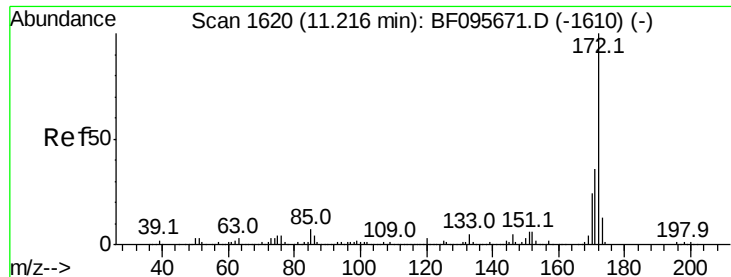


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

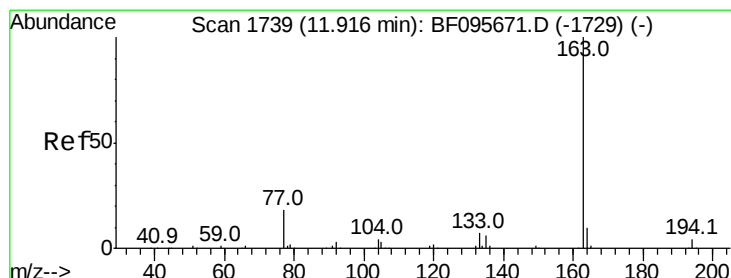
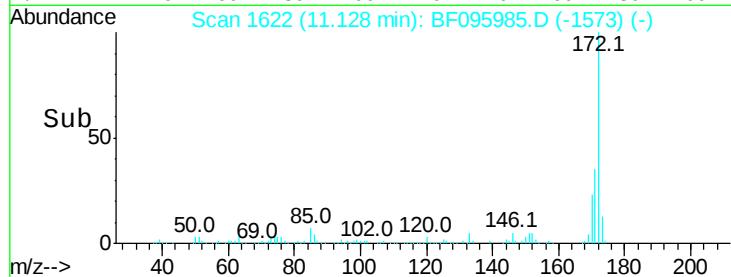
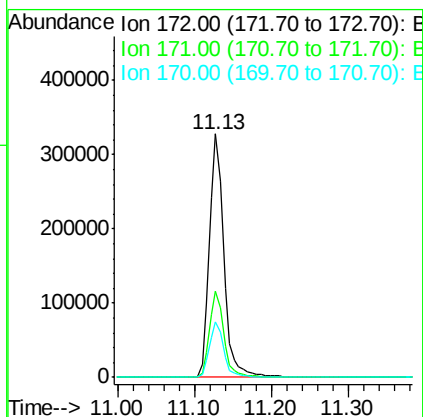
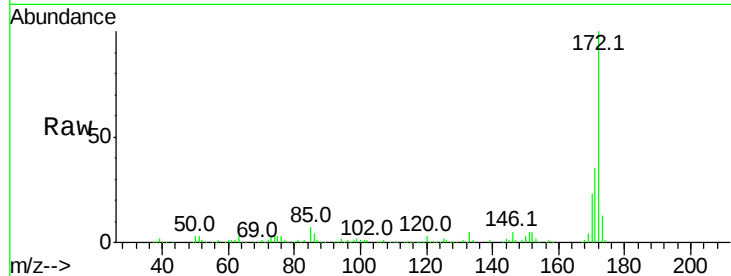




#44
2-Fluorobiphenyl
Concen: 47.67 ng
RT: 11.13 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BF095985.D
Acq: 17 Jun 2017 8:12

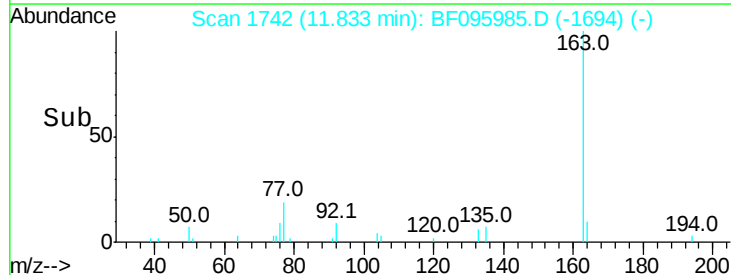
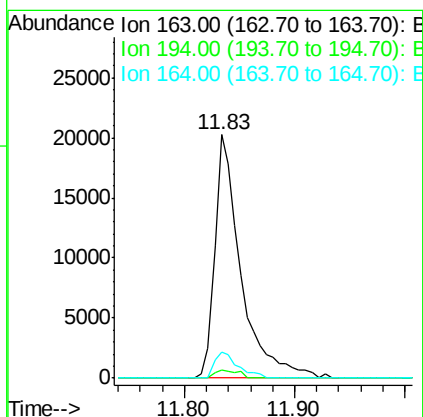
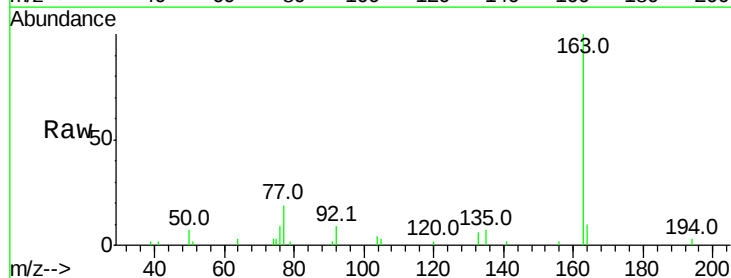
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 425037
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 22.6 19.8 29.8



#49
Dimethylphthalate
Concen: 3.51 ng
RT: 11.83 min Scan# 1742
Delta R.T. -0.02 min
Lab File: BF095985.D
Acq: 17 Jun 2017 8:12

Tgt Ion:163 Resp: 33100
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.4 8.4 12.6

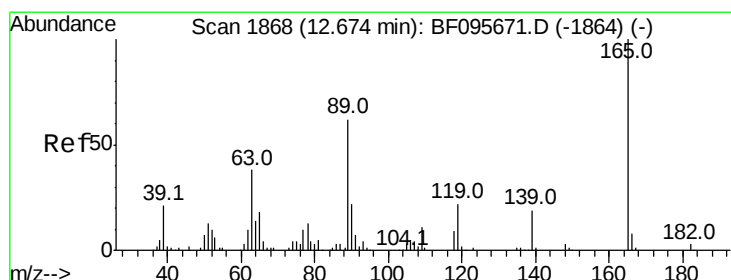
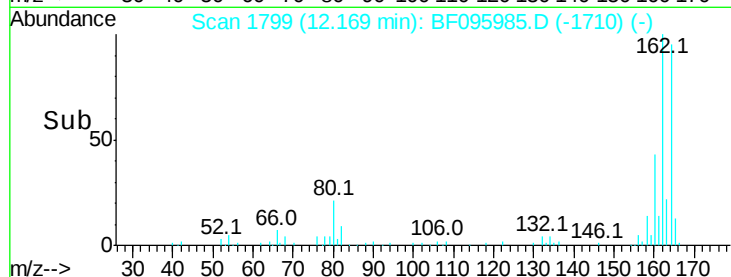
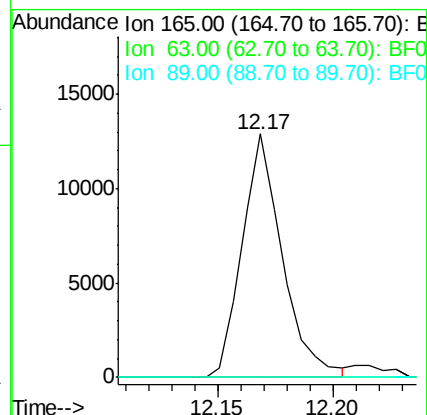
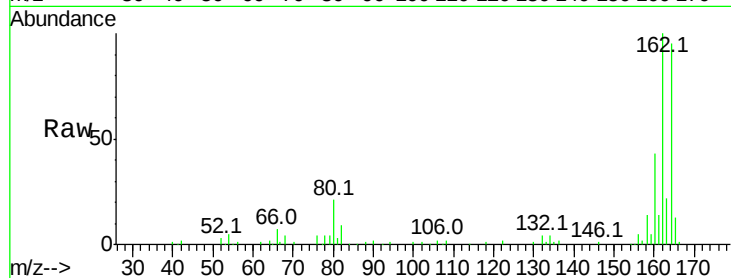




#50
 2,6-Dinitrotoluene
 Concen: 7.61 ng
 RT: 12.17 min Scan# 1799
 Delta R.T. 0.22 min
 Lab File: BF095985.D
 Acq: 17 Jun 2017 8:12

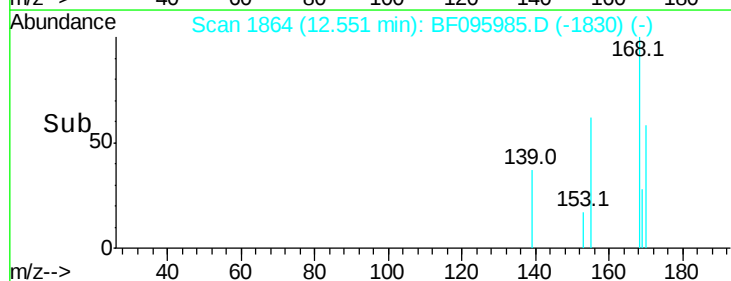
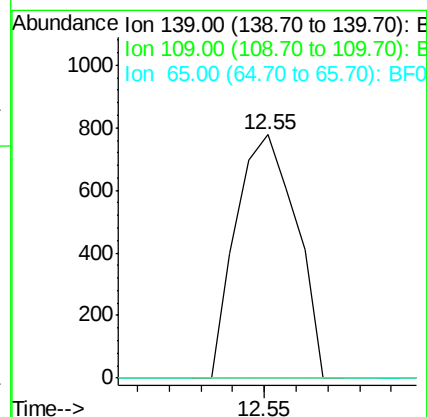
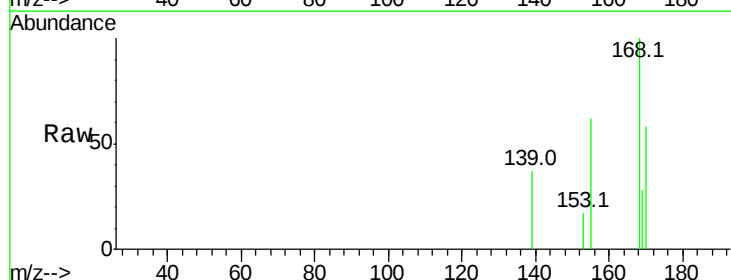
Instrument :
 BNA_F
 ClientSampleId :

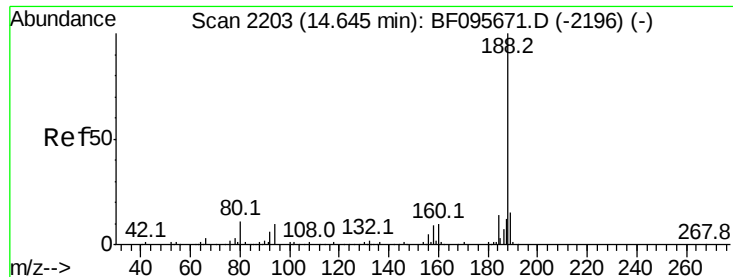
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



#55
 4-Nitrophenol
 Concen: 5.31 ng
 RT: 12.55 min Scan# 1864
 Delta R.T. -0.10 min
 Lab File: BF095985.D
 Acq: 17 Jun 2017 8:12

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

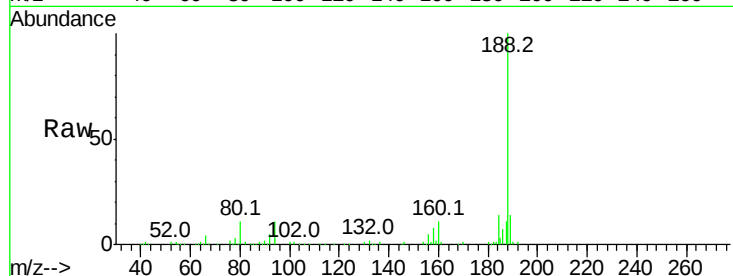




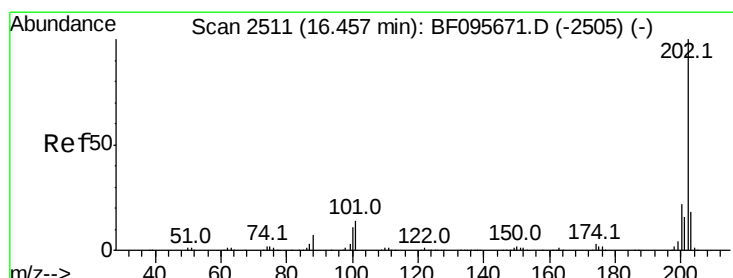
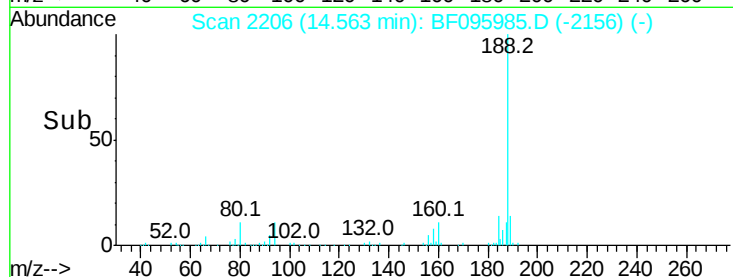
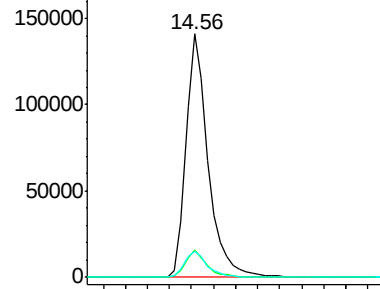
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.56 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF095985.D
Acq: 17 Jun 2017 8:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 194713
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 10.9 10.2 15.2

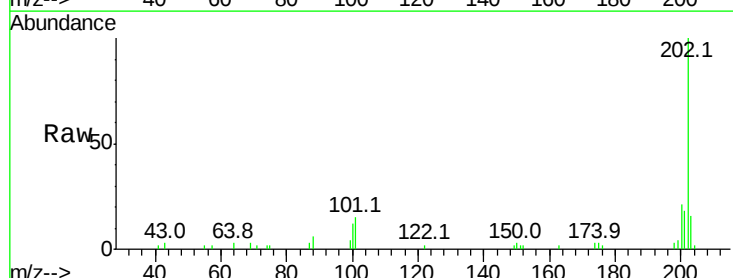


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

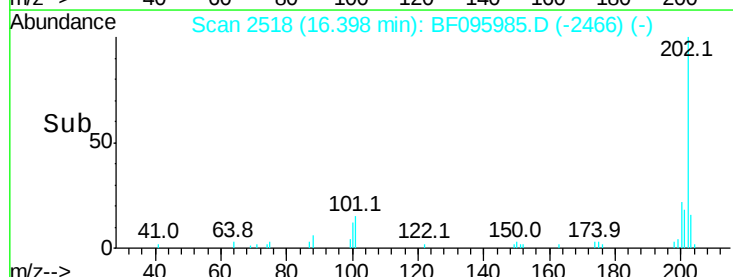
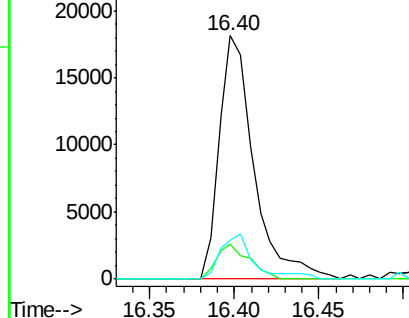


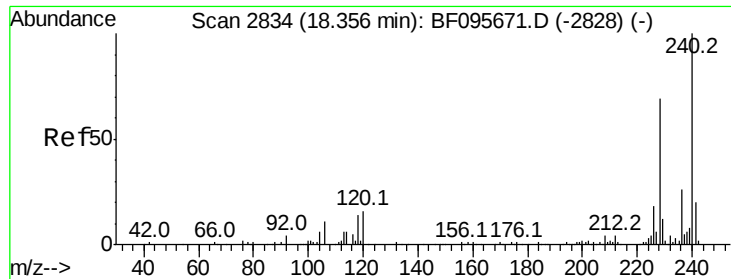
#74
Fluoranthene
Concen: 2.33 ng
RT: 16.40 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF095985.D
Acq: 17 Jun 2017 8:12

Tgt Ion:202 Resp: 25964
Ion Ratio Lower Upper
202 100
101 14.5 0.0 33.2
203 16.0 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

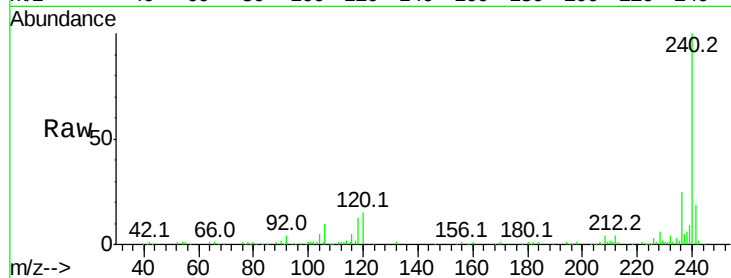




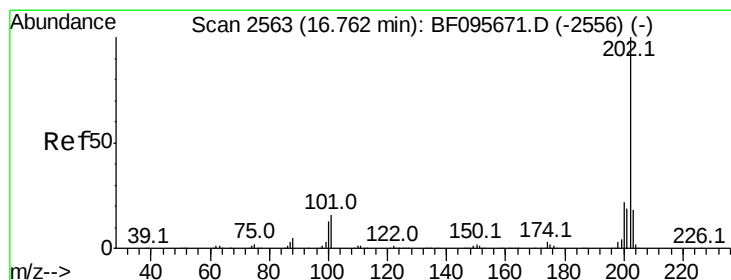
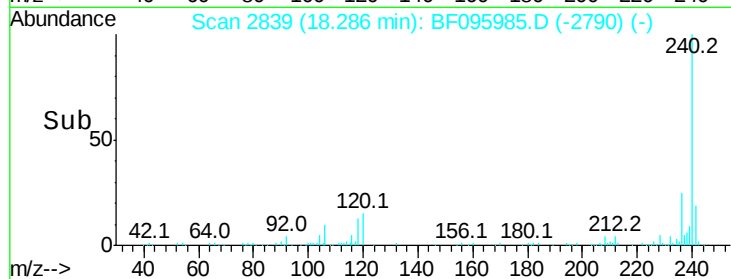
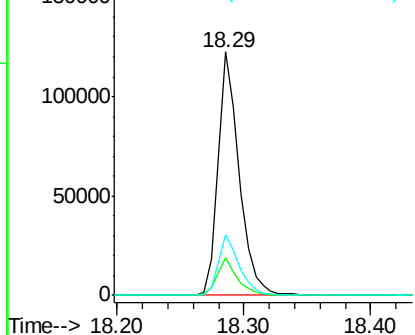
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.29 min Scan# 2839
 Delta R.T. -0.01 min
 Lab File: BF095985.D
 Acq: 17 Jun 2017 8:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 144011
 Ion Ratio Lower Upper
 240 100
 120 15.2 5.8 8.8#
 236 24.6 20.5 30.7

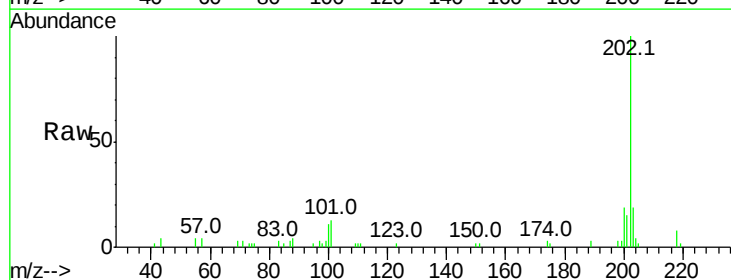


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

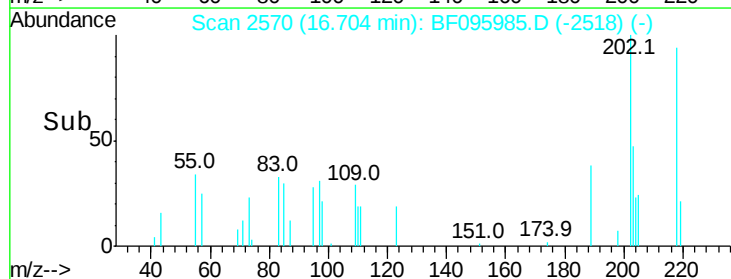
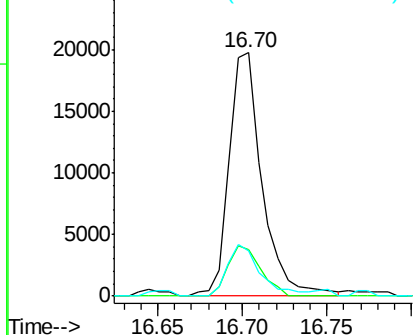


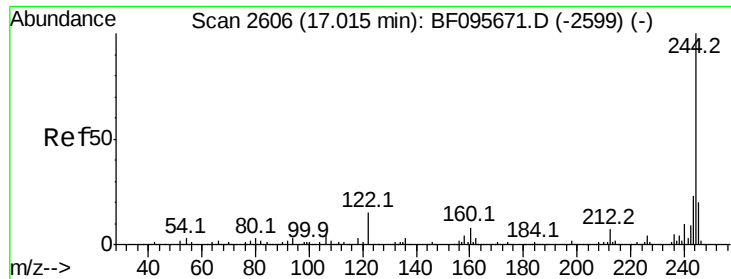
#77
 Pyrene
 Concen: 2.49 ng
 RT: 16.70 min Scan# 2570
 Delta R.T. 0.01 min
 Lab File: BF095985.D
 Acq: 17 Jun 2017 8:12

Tgt Ion:202 Resp: 26794
 Ion Ratio Lower Upper
 202 100
 200 19.1 17.6 26.4
 203 18.5 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

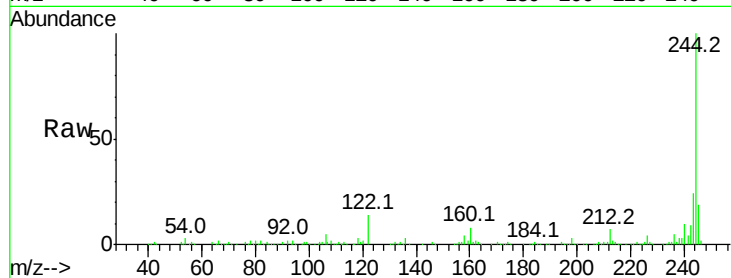




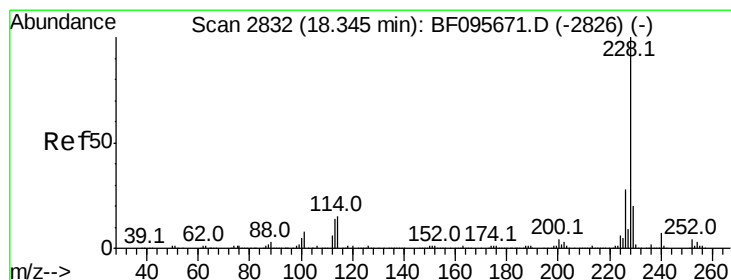
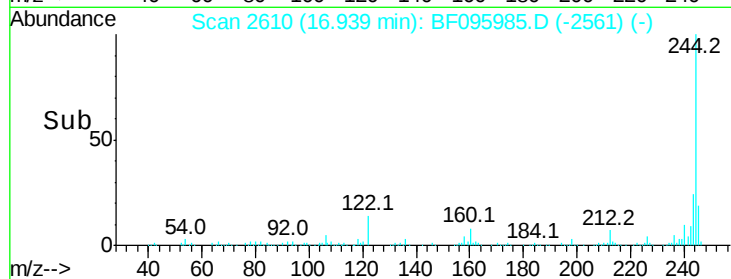
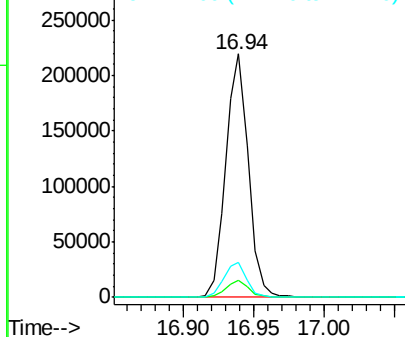
#78
 Terphenyl-d14
 Concen: 41.86 ng
 RT: 16.94 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF095985.D
 Acq: 17 Jun 2017 8:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 242904
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 14.3 10.3 15.5

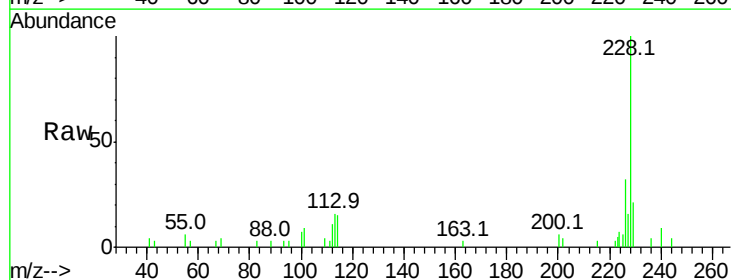


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

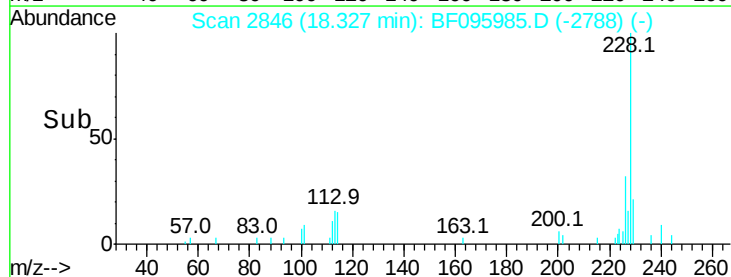
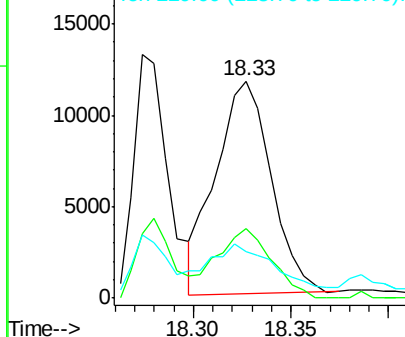


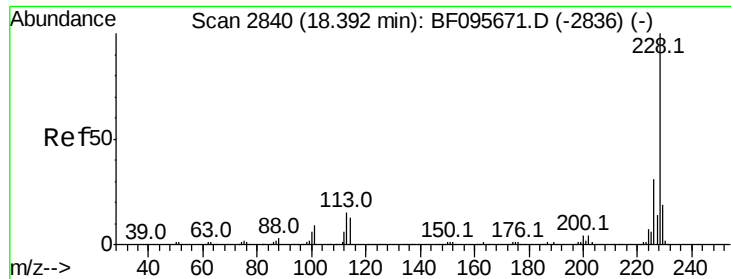
#80
 Benzo(a)anthracene
 Concen: 2.74 ng
 RT: 18.33 min Scan# 2846
 Delta R.T. 0.04 min
 Lab File: BF095985.D
 Acq: 17 Jun 2017 8:12

Tgt Ion:228 Resp: 22944
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.6 33.8
 229 21.3 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

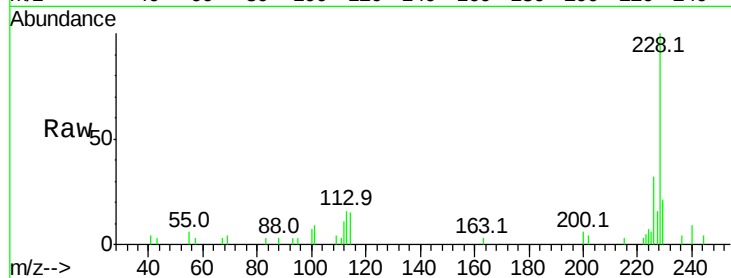




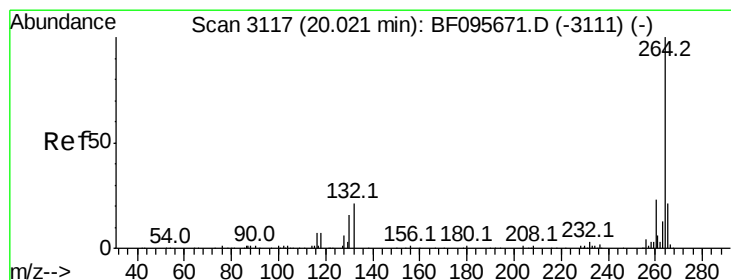
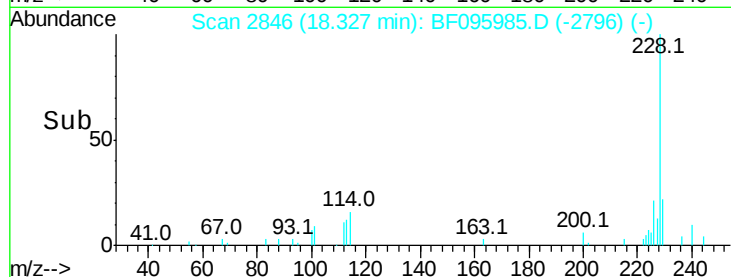
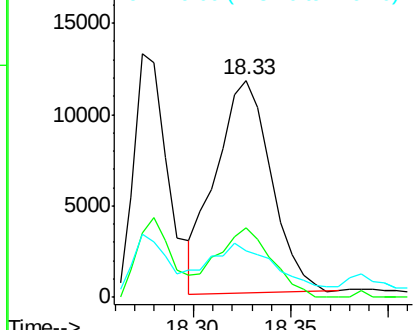
#82
Chrysene
Concen: 2.74 ng
RT: 18.33 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BF095985.D
Acq: 17 Jun 2017 8:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 22944
Ion Ratio Lower Upper
228 100
226 32.2 24.9 37.3
229 21.3 15.8 23.6

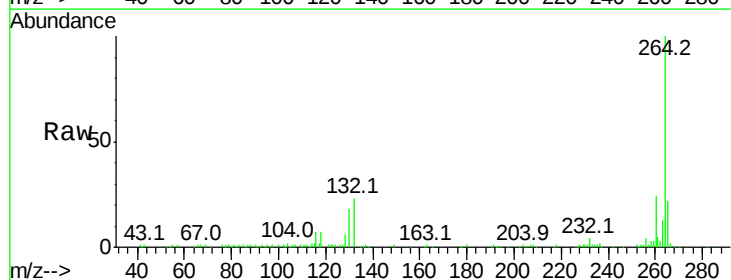


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

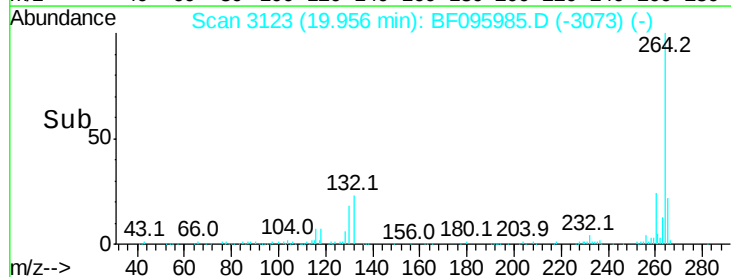
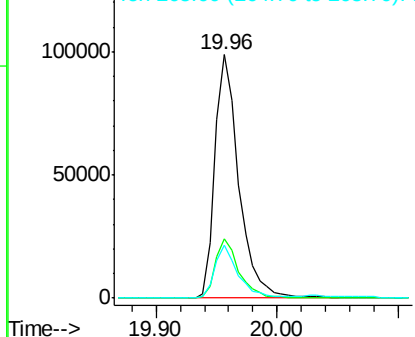


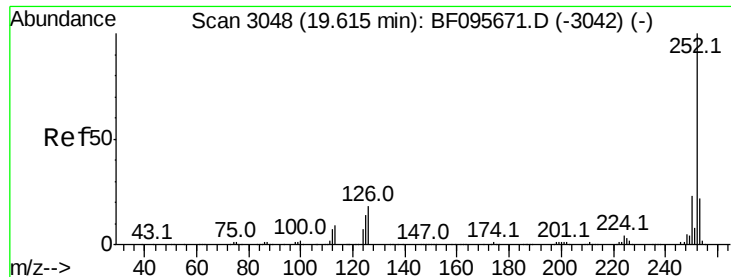
#86
Perylene-d12
Concen: 20.00 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095985.D
Acq: 17 Jun 2017 8:12

Tgt Ion:264 Resp: 134481
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 21.7 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: 3.69 ng

RT: 19.56 min Scan# 3056

Delta R.T. 0.01 min

Lab File: BF095985.D

Acq: 17 Jun 2017 8:12

Instrument :

BNA_F

ClientSampleId :

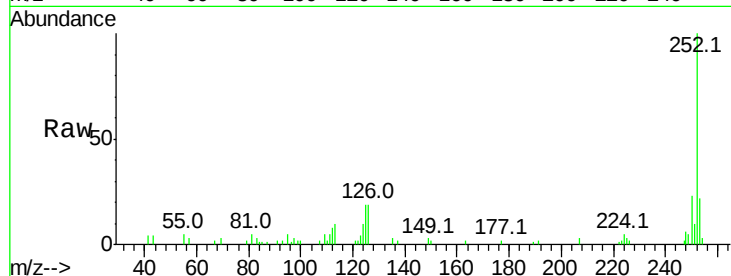
Tot Ion:252 Resp: 31063

Ion Ratio Lower Upper

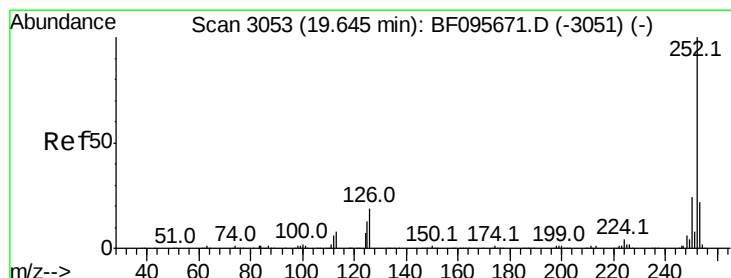
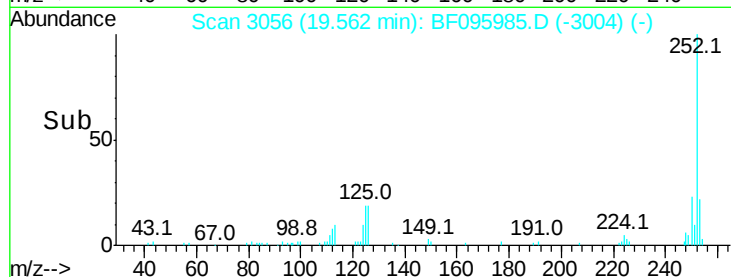
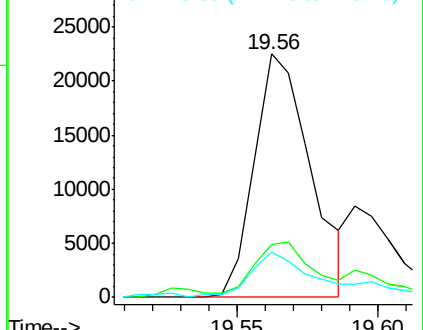
252 100

253 21.8 18.1 27.1

125 18.7 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 3.86 ng

RT: 19.56 min Scan# 3056

Delta R.T. -0.03 min

Lab File: BF095985.D

Acq: 17 Jun 2017 8:12

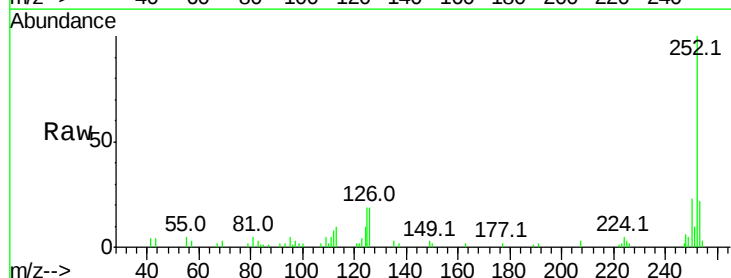
Tgt Ion:252 Resp: 31063

Ion Ratio Lower Upper

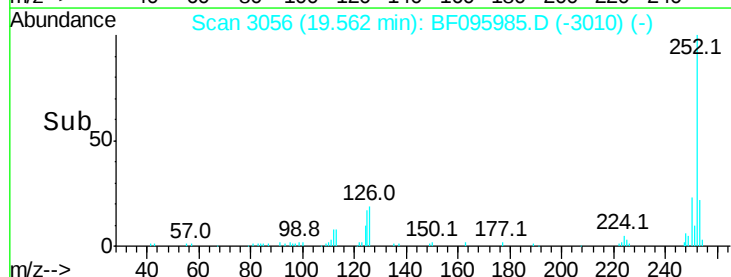
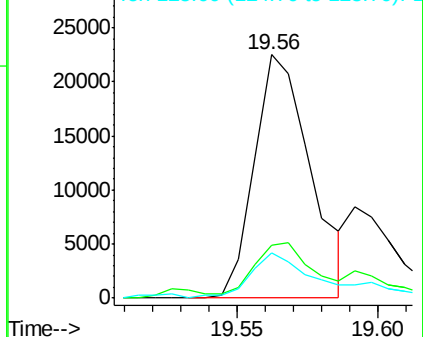
252 100

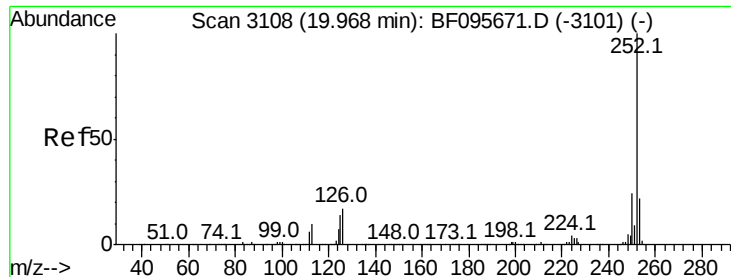
253 21.8 18.4 27.6

125 18.7 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: 2.01 ng

RT: 19.91 min Scan# 3115

Delta R.T. 0.00 min

Lab File: BF095985.D

Acq: 17 Jun 2017 8:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 15550

Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

125 17.5 11.0 16.4

