

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061217\
 Data File : BF095890.D
 Acq On : 13 Jun 2017 00:58
 Operator : SJ/MA
 Sample : I3591-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 13 05:37:46 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

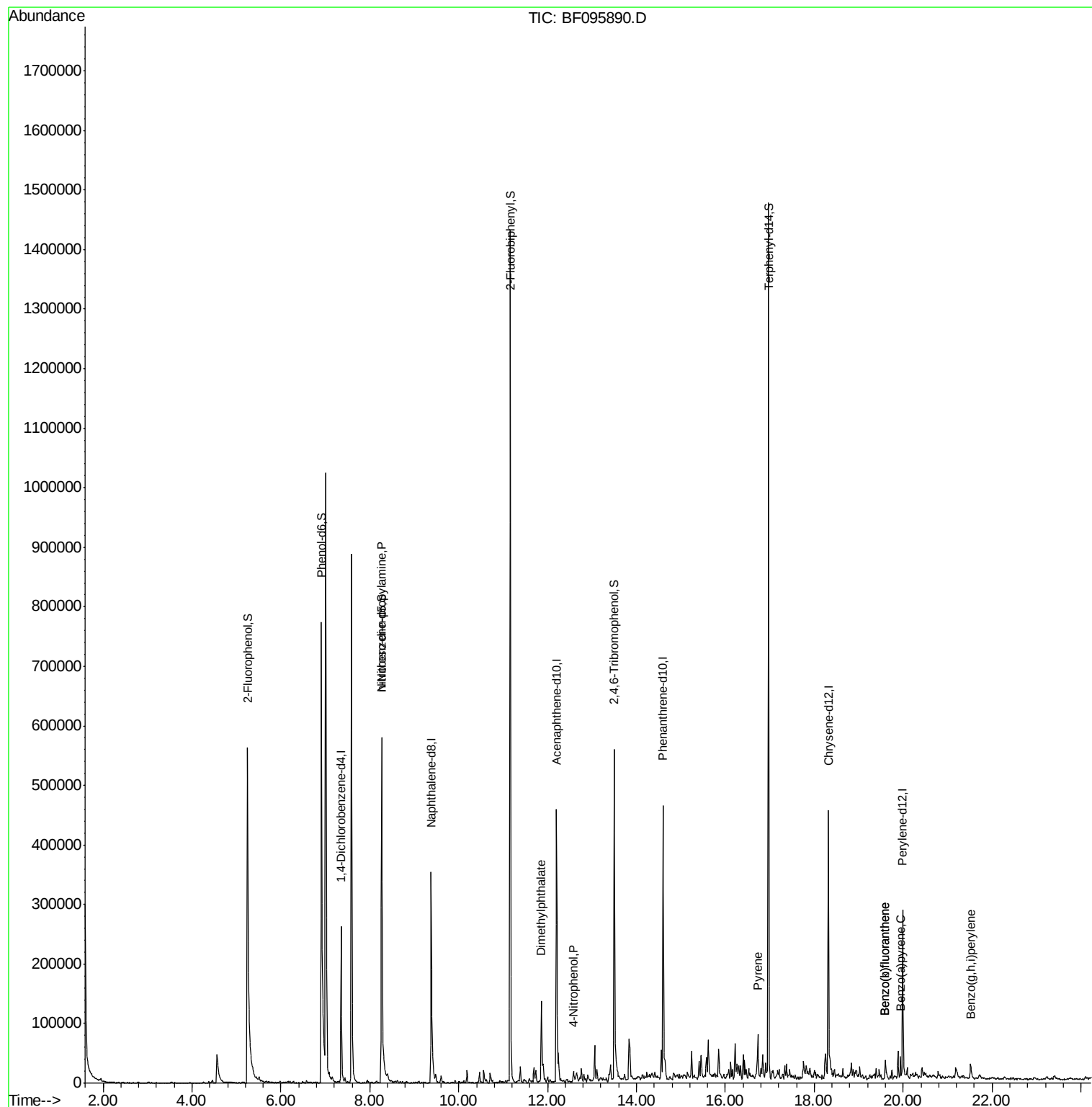
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	67790	20.00	ng	-0.05
21) Naphthalene-d8	9.38	136	290474	20.00	ng	-0.05
38) Acenaphthene-d10	12.20	164	136858	20.00	ng	-0.05
63) Phenanthrene-d10	14.60	188	255599	20.00	ng	-0.05
75) Chrysene-d12	18.32	240	185170	20.00	ng	-0.04
86) Perylene-d12	19.99	264	134904	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	410236	96.43	ng	-0.04
7) Phenol-d6	6.91	99	539389	105.91	ng	-0.05
23) Nitrobenzene-d5	8.27	82	340381	72.78	ng	-0.05
41) 2,4,6-Tribromophenol	13.50	330	103450	85.43	ng	-0.05
44) 2-Fluorobiphenyl	11.16	172	677583	68.90	ng	-0.05
78) Terphenyl-d14	16.97	244	554371	74.30	ng	-0.04
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.27	70	41071	12.72	ng	# 79
49) Dimethylphthalate	11.86	163	90755	8.73	ng	99
55) 4-Nitrophenol	12.58	139	1720	5.68	ng	# 25
77) Pyrene	16.73	202	30182	2.18	ng	97
87) Benzo(b)fluoranthene	19.60	252	22530	2.67	ng	# 89
88) Benzo(k)fluoranthene	19.60	252	22530	2.79	ng	# 92
89) Benzo(a)pyrene	19.94	252	15811	2.04	ng	# 94
91) Benzo(g,h,i)perylene	21.51	276	20267	3.02	ng	96

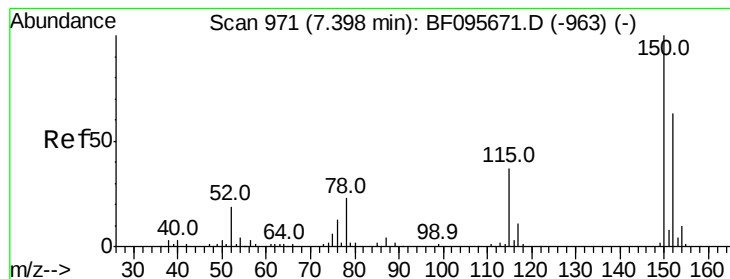
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.35 min Scan# 980

Delta R.T. -0.05 min

Lab File: BF095890.D

Acq: 13 Jun 2017 00:58

Instrument :

BNA_F

ClientSampleId :

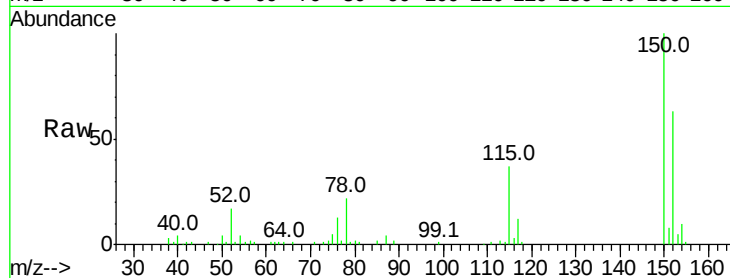
Tot Ion:152 Resp: 67790

Ion Ratio Lower Upper

152 100

150 159.1 126.2 189.2

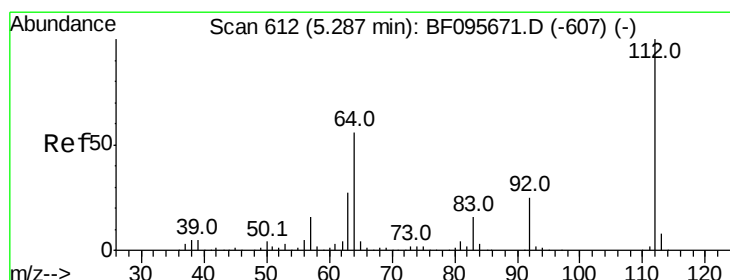
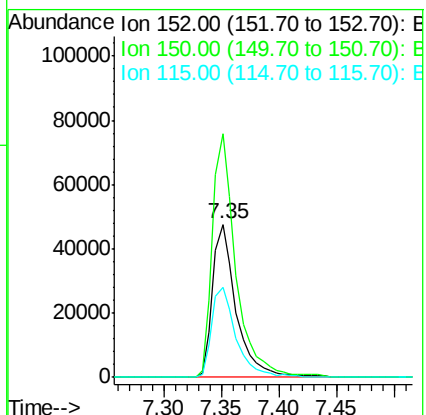
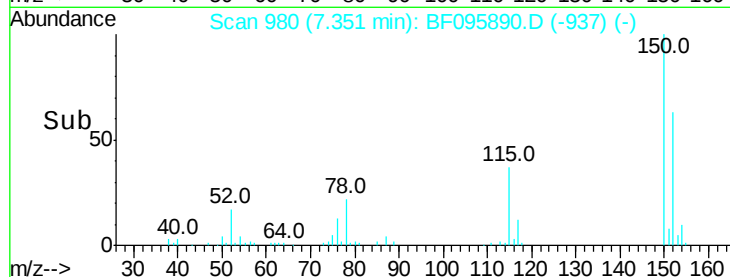
115 58.9 52.2 78.2



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: 96.43 ng

RT: 5.25 min Scan# 622

Delta R.T. -0.04 min

Lab File: BF095890.D

Acq: 13 Jun 2017 00:58

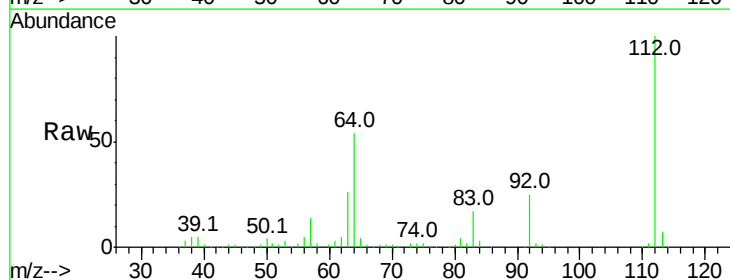
Tgt Ion:112 Resp: 410236

Ion Ratio Lower Upper

112 100

64 53.7 46.0 69.0

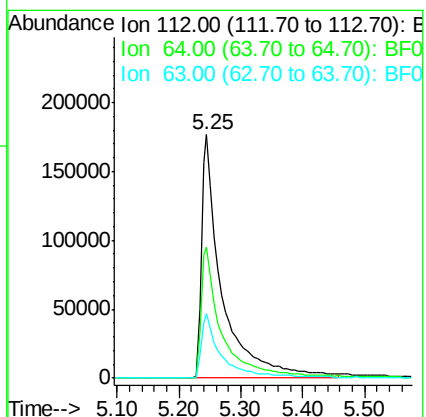
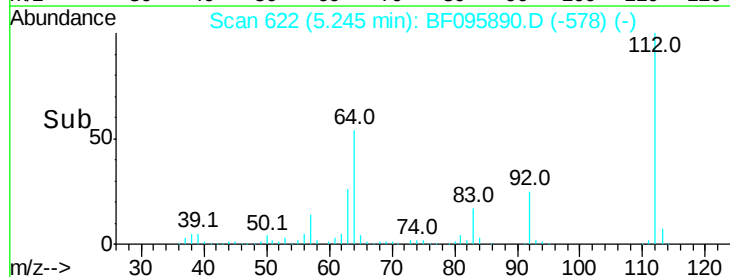
63 26.3 23.4 35.0

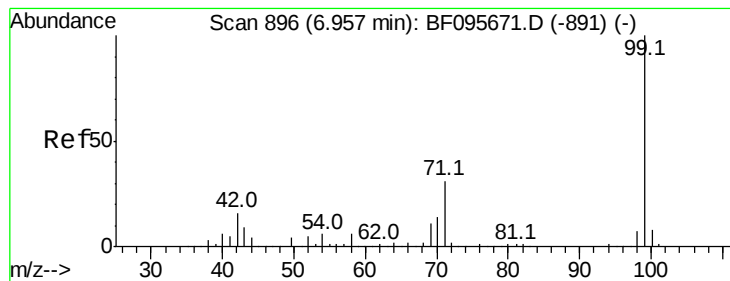


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.91 ng

RT: 6.91 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF095890.D

Acq: 13 Jun 2017 00:58

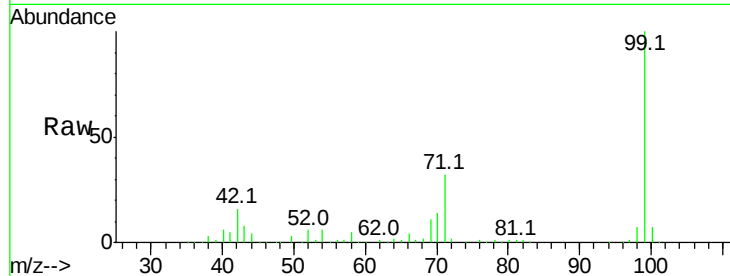
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 539389

Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.5	20.3
71	32.5	24.5	36.7



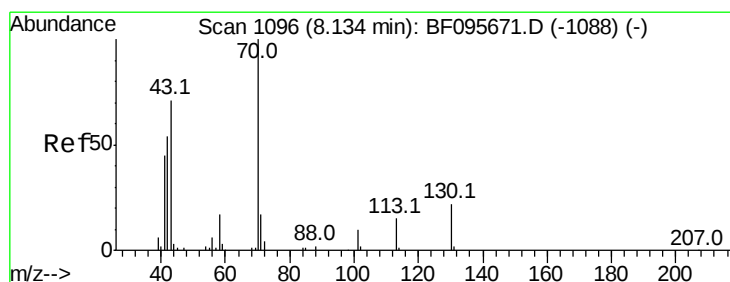
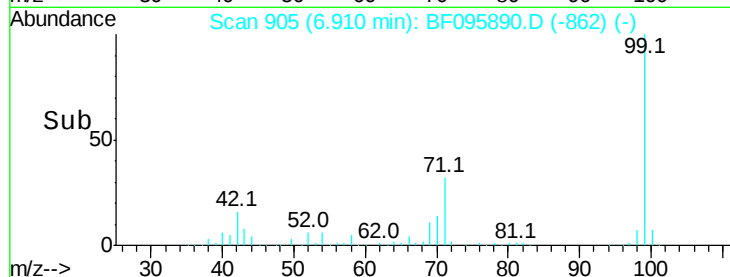
Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 12.72 ng

RT: 8.27 min Scan# 1136

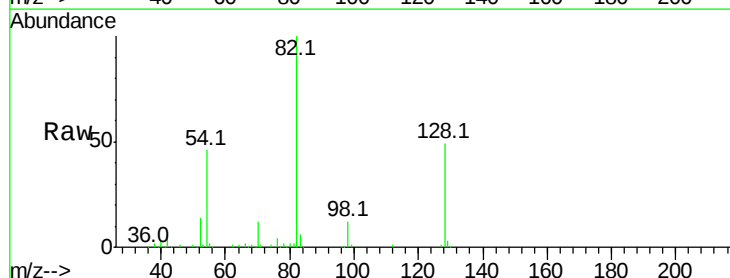
Delta R.T. 0.14 min

Lab File: BF095890.D

Acq: 13 Jun 2017 00:58

Tgt Ion: 70 Resp: 41071

Ion	Ratio	Lower	Upper
70	100		
42	47.3	47.2	70.8
101	0.0	7.2	10.8#
130	3.1	15.9	23.9#



Abundance

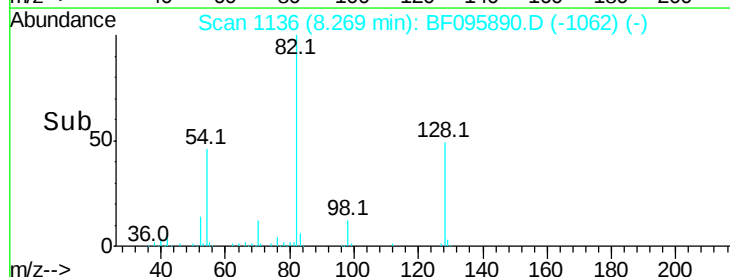
Ion 70.00 (69.70 to 70.70): BF0

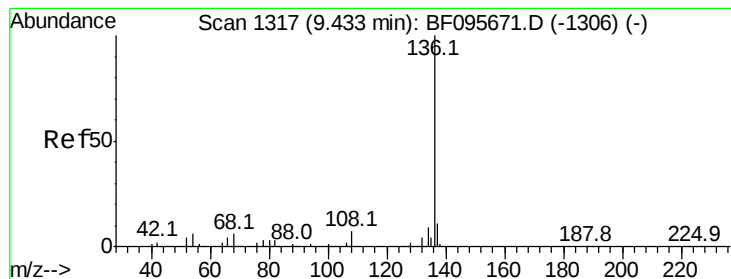
Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.38 min Scan# 1325

Delta R.T. -0.05 min

Lab File: BF095890.D

Acq: 13 Jun 2017 00:58

Instrument :

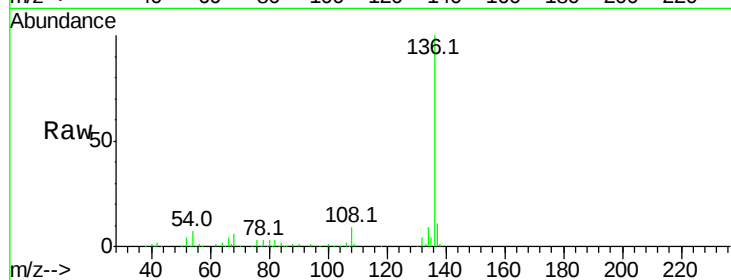
BNA_F

ClientSampleId :

Tot Ion:136 Resp: 290474

Ion Ratio Lower Upper

136	100		
137	11.2	8.5	12.7
54	7.4	4.9	7.3#
68	5.7	4.1	6.1

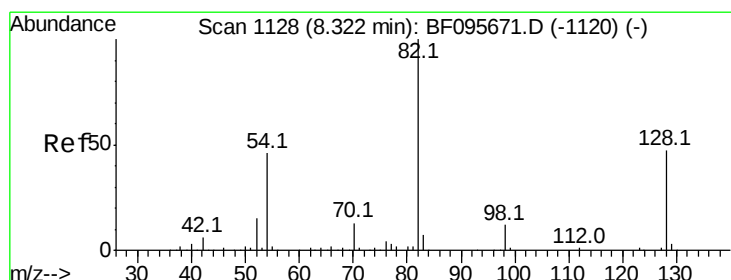
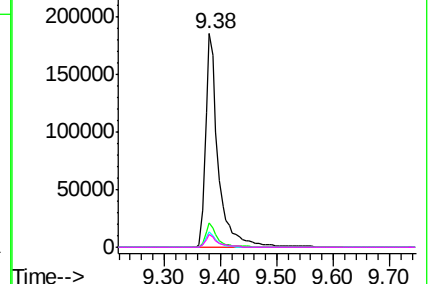
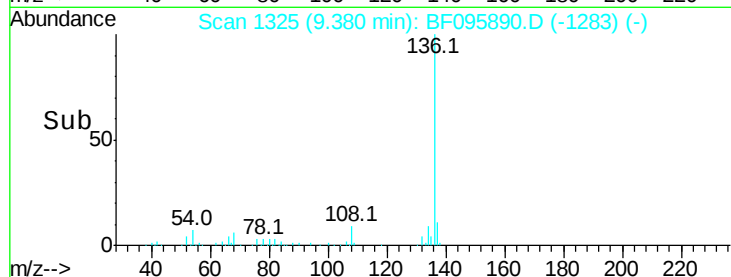


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.78 ng

RT: 8.27 min Scan# 1136

Delta R.T. -0.05 min

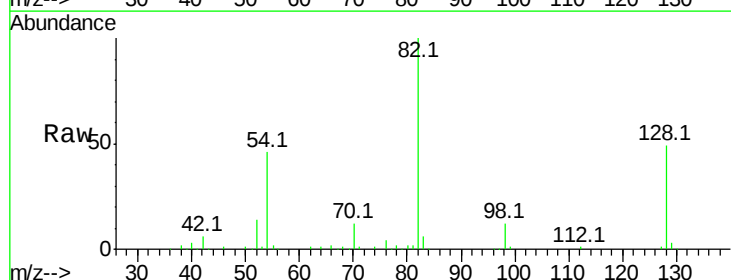
Lab File: BF095890.D

Acq: 13 Jun 2017 00:58

Tgt Ion: 82 Resp: 340381

Ion Ratio Lower Upper

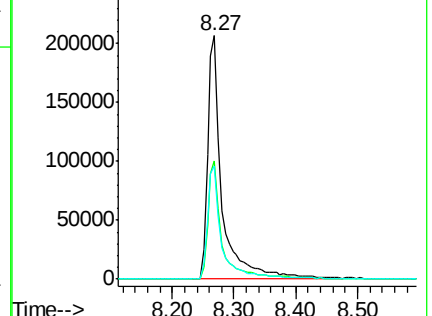
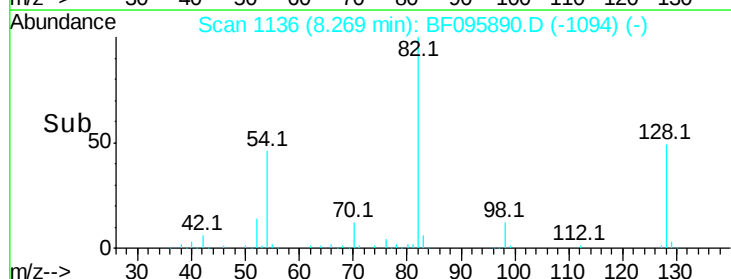
82	100		
128	48.8	34.0	51.0
54	46.3	42.2	63.2

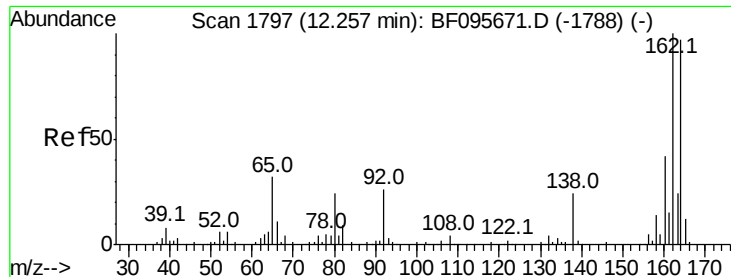


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.20 min Scan# 1805

Delta R.T. -0.05 min

Lab File: BF095890.D

Acq: 13 Jun 2017 00:58

Instrument :

BNA_F

ClientSampleId :

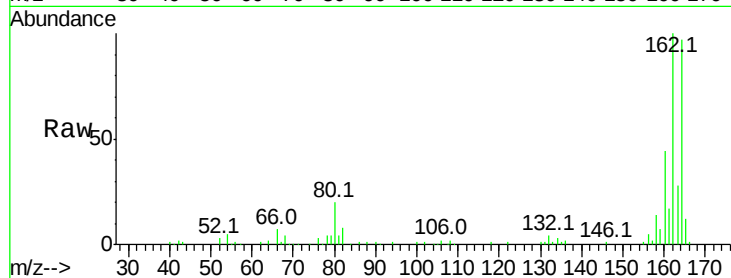
Tot Ion:164 Resp: 136858

Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

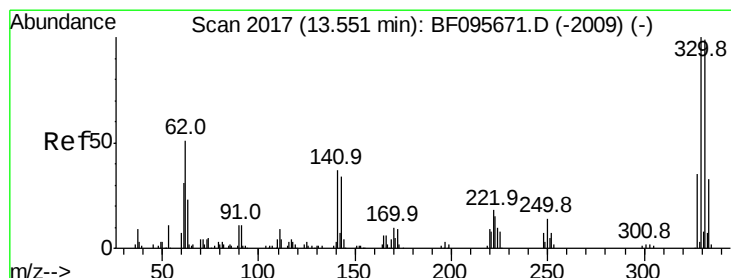
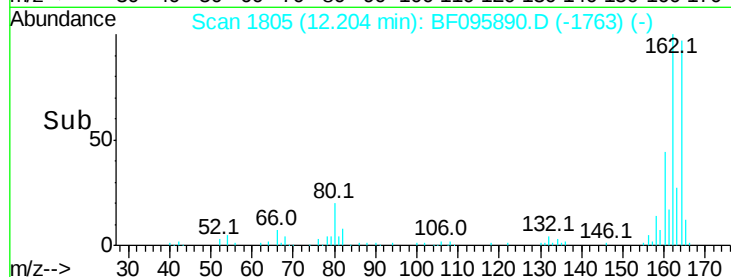
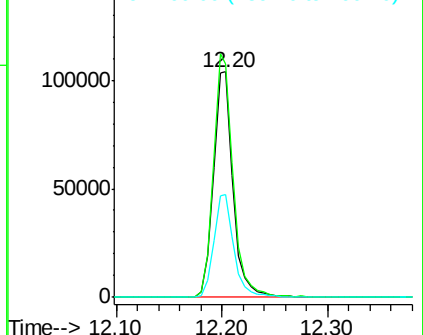
160 45.8 36.2 54.2



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: 85.43 ng

RT: 13.50 min Scan# 2025

Delta R.T. -0.05 min

Lab File: BF095890.D

Acq: 13 Jun 2017 00:58

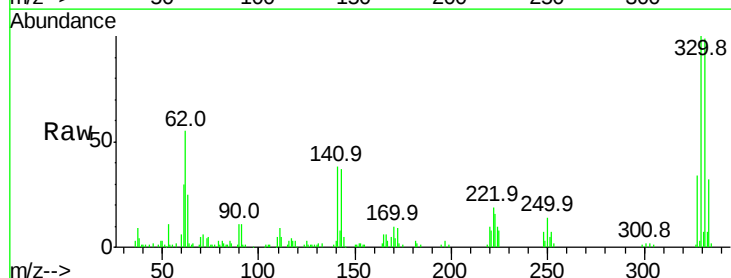
Tgt Ion:330 Resp: 103450

Ion Ratio Lower Upper

330 100

332 98.7 76.6 115.0

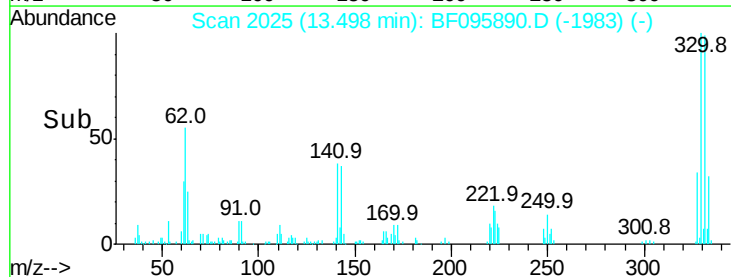
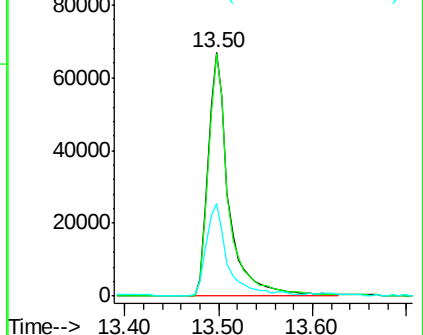
141 39.6 31.4 47.2

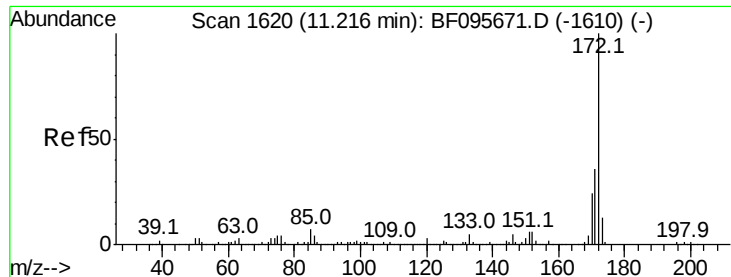


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

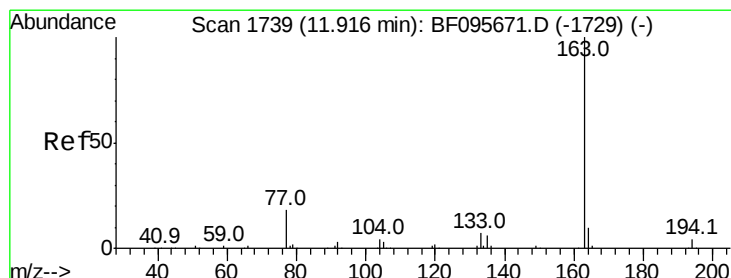
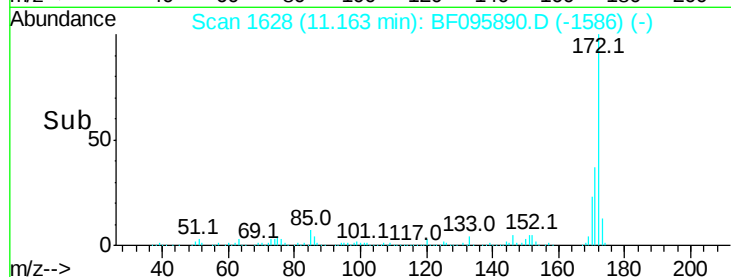
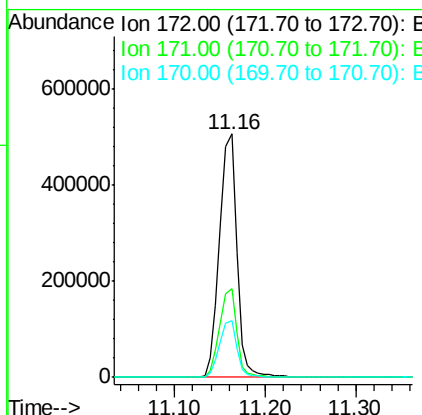
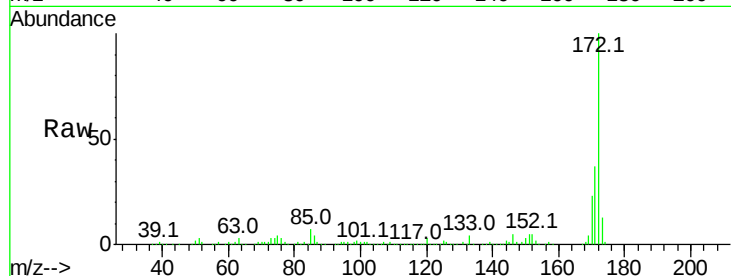




#44
2-Fluorobiphenyl
Concen: 68.90 ng
RT: 11.16 min Scan# 1628
Delta R.T. -0.05 min
Lab File: BF095890.D
Acq: 13 Jun 2017 00:58

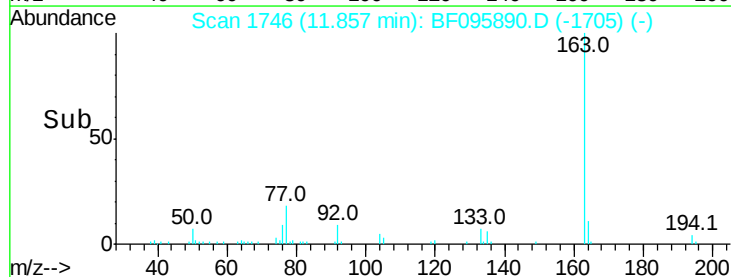
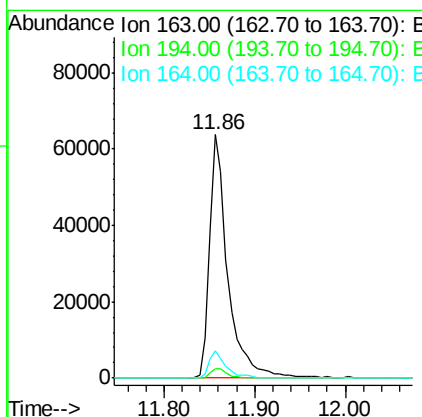
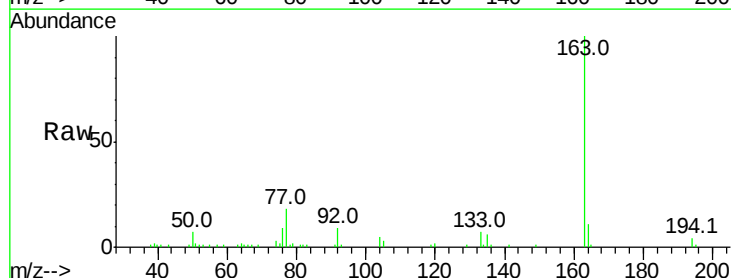
Instrument :
BNA_F
ClientSampleId :

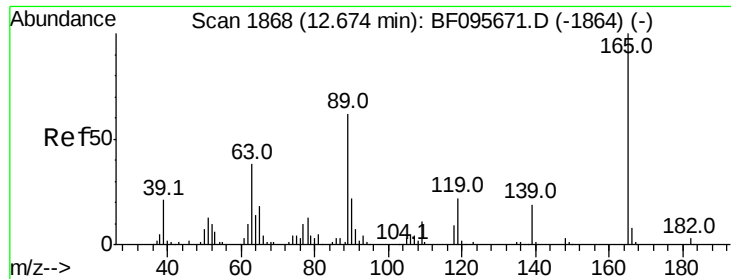
Tot Ion:172 Resp: 677583
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 23.3 19.8 29.8



#49
Dimethylphthalate
Concen: 8.73 ng
RT: 11.86 min Scan# 1746
Delta R.T. -0.06 min
Lab File: BF095890.D
Acq: 13 Jun 2017 00:58

Tgt Ion:163 Resp: 90755
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 11.0 8.4 12.6

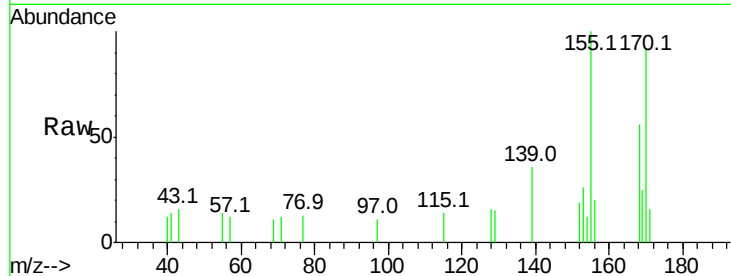




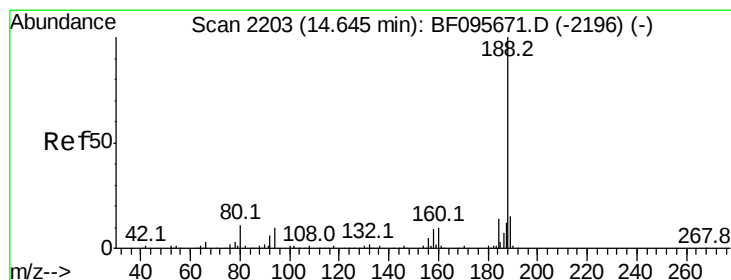
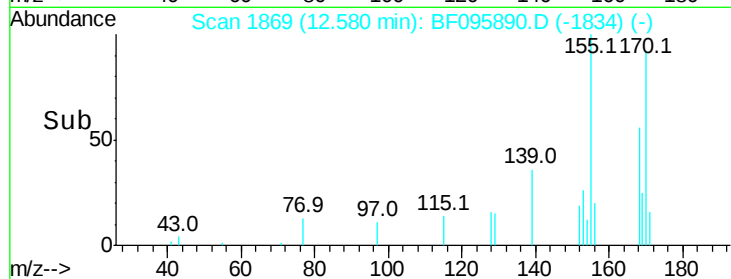
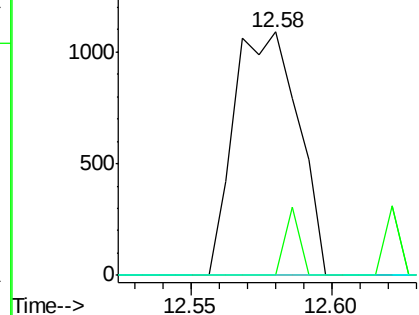
#55
4-Nitrophenol
Concen: 5.68 ng
RT: 12.58 min Scan# 1869
Delta R.T. -0.09 min
Lab File: BF095890.D
Acq: 13 Jun 2017 00:58

Instrument :
BNA_F
ClientSampled :

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

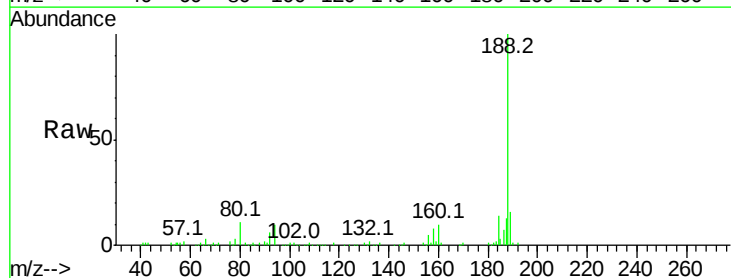


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

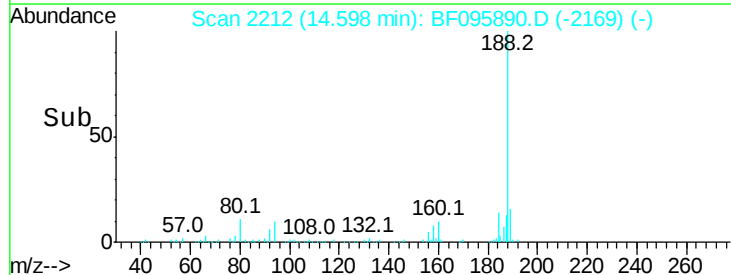
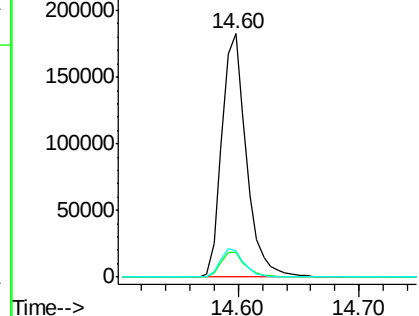


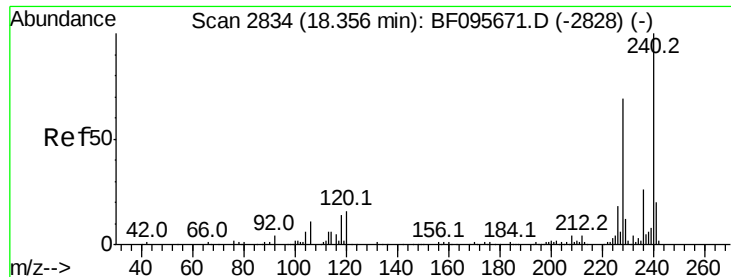
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.60 min Scan# 2212
Delta R.T. -0.05 min
Lab File: BF095890.D
Acq: 13 Jun 2017 00:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	10.8	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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.32 min Scan# 2844

Delta R.T. -0.04 min

Lab File: BF095890.D

Acq: 13 Jun 2017 00:58

Instrument :

BNA_F

ClientSampleId :

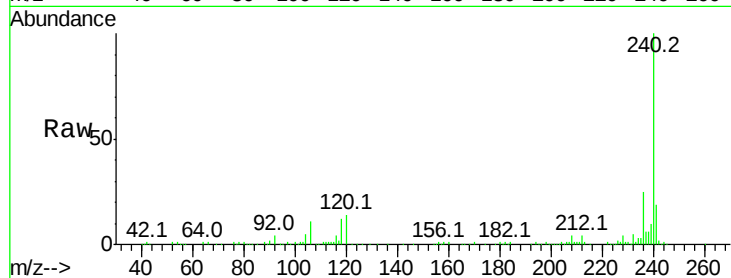
Tot Ion:240 Resp: 185170

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

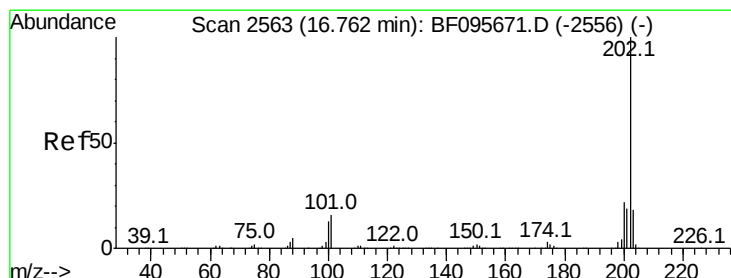
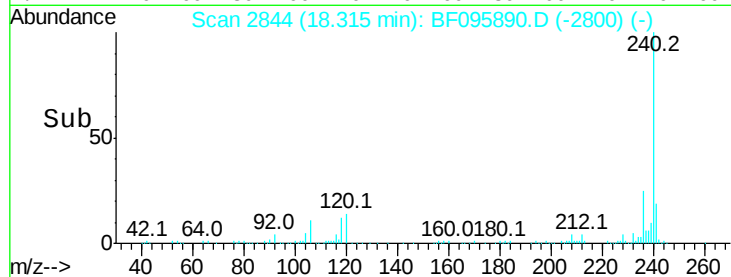
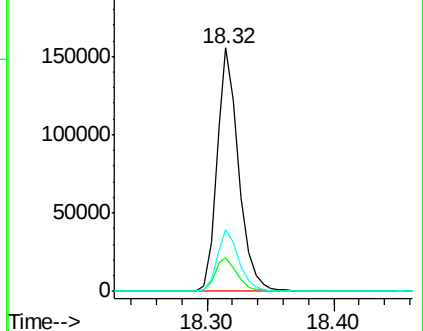
236 25.3 20.5 30.7



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: 2.18 ng

RT: 16.73 min Scan# 2574

Delta R.T. -0.04 min

Lab File: BF095890.D

Acq: 13 Jun 2017 00:58

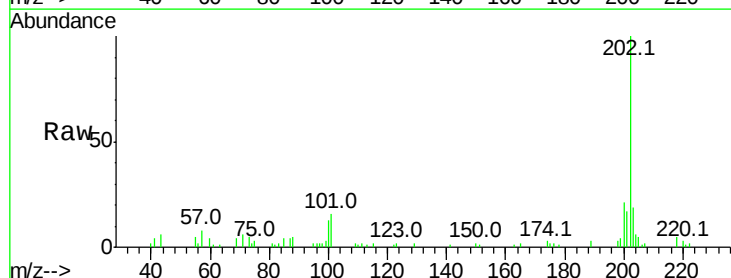
Tgt Ion:202 Resp: 30182

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

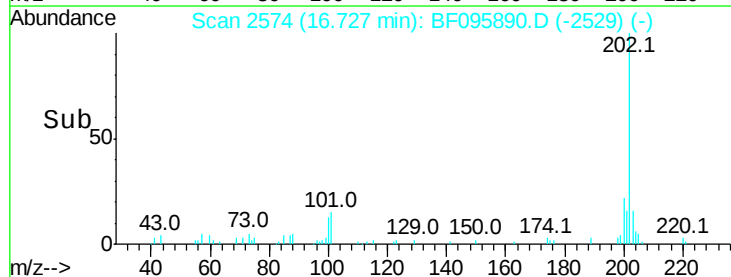
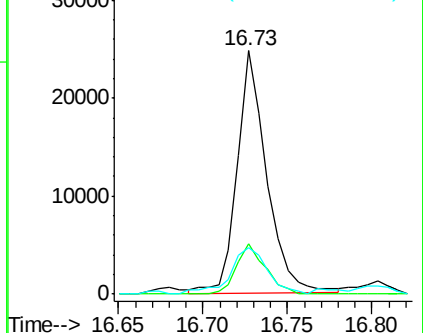
203 19.1 14.4 21.6

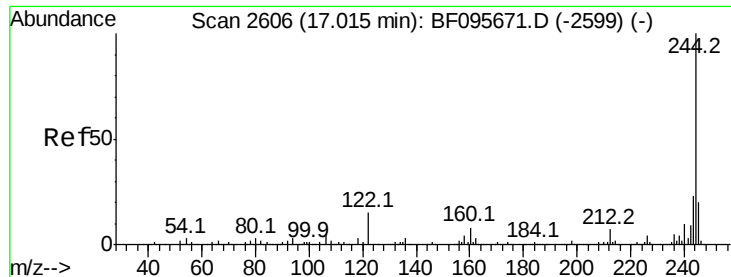


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.30 ng

RT: 16.97 min Scan# 2616

Delta R.T. -0.04 min

Lab File: BF095890.D

Acq: 13 Jun 2017 00:58

Instrument :

BNA_F

ClientSampleId :

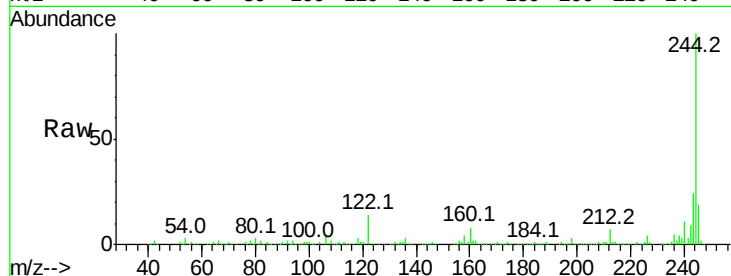
Tot Ion:244 Resp: 554371

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

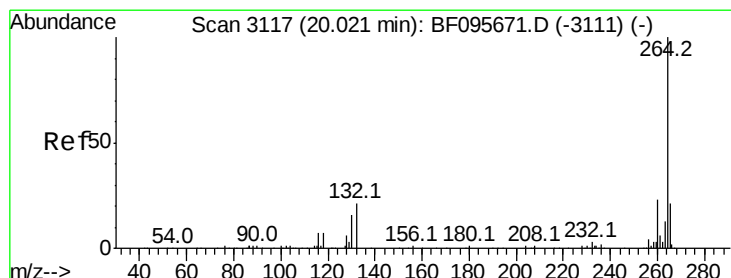
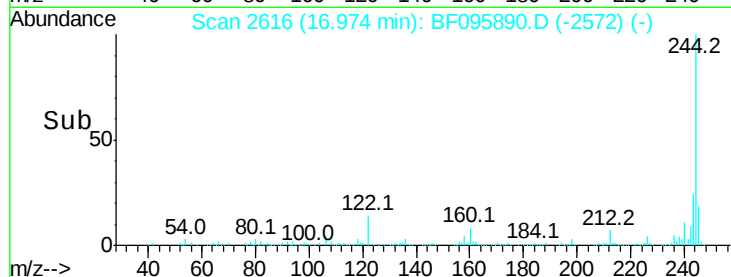
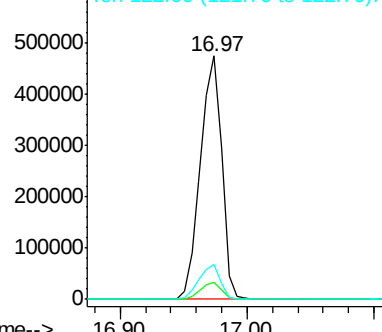
122 14.3 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 19.99 min Scan# 3128

Delta R.T. -0.04 min

Lab File: BF095890.D

Acq: 13 Jun 2017 00:58

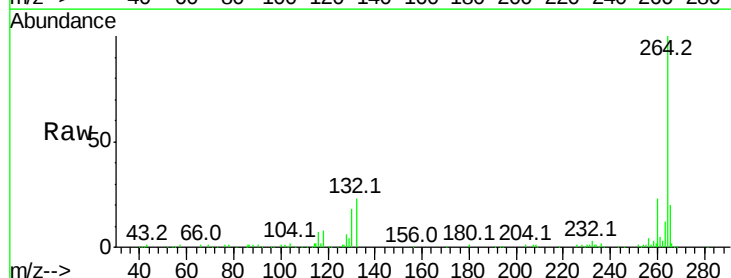
Tgt Ion:264 Resp: 134904

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

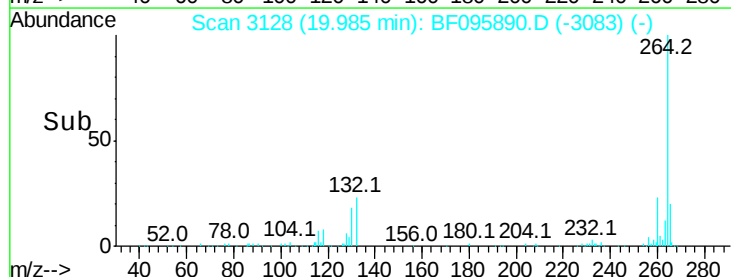
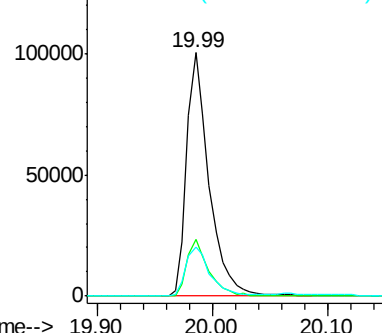
265 20.2 17.2 25.8

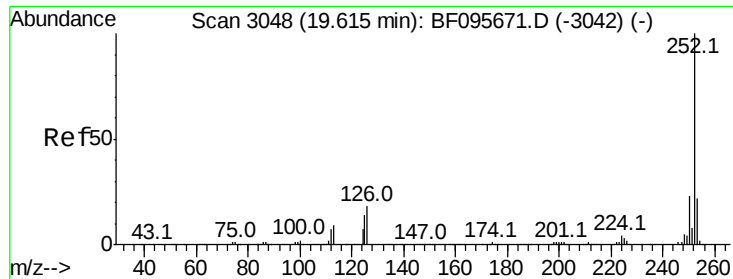


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

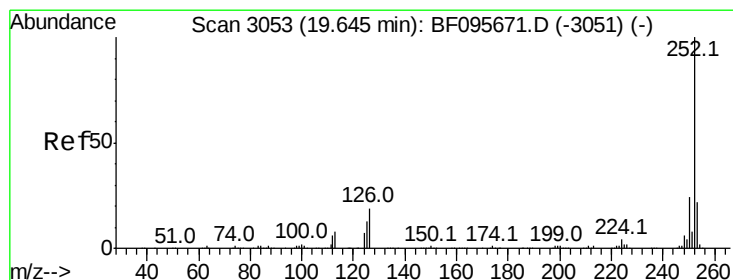
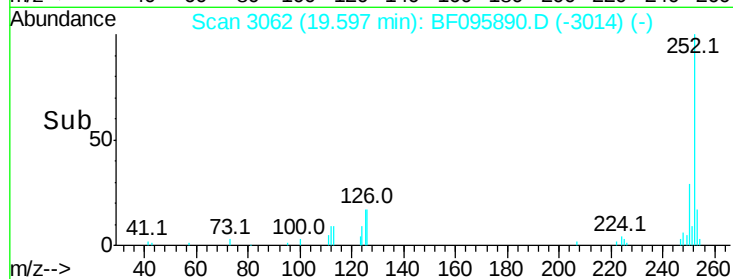
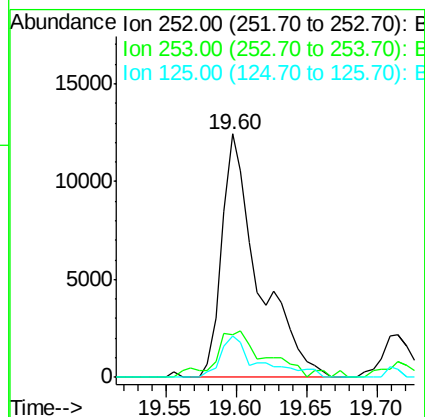
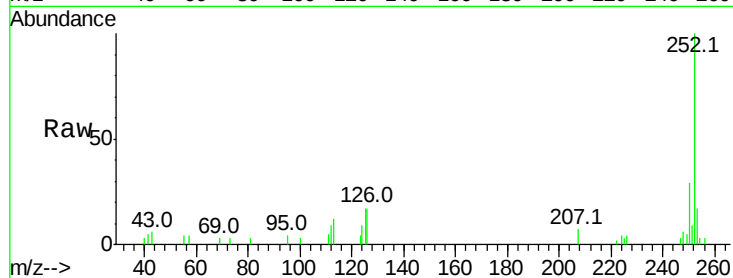




#87
Benzo(b)fluoranthene
Concen: 2.67 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095890.D
Acq: 13 Jun 2017 00:58

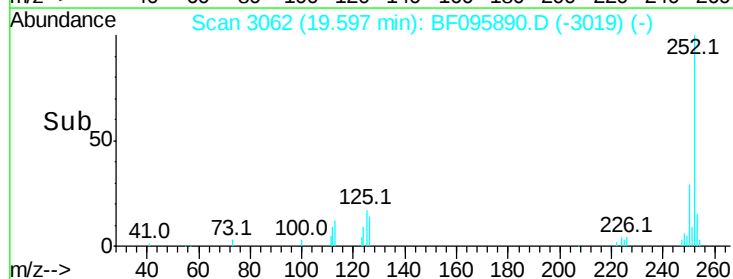
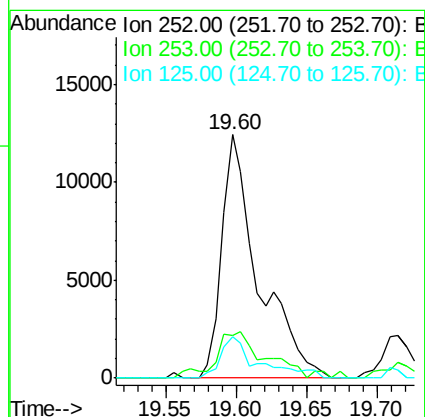
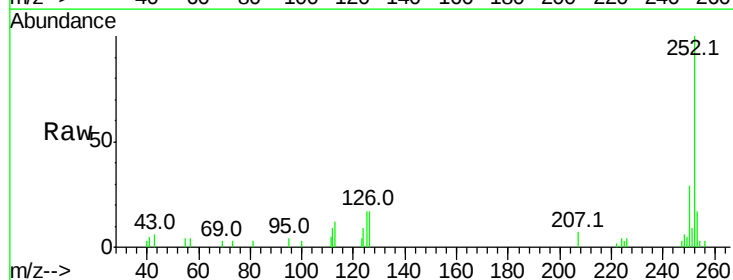
Instrument :
BNA_F
ClientSampleId :

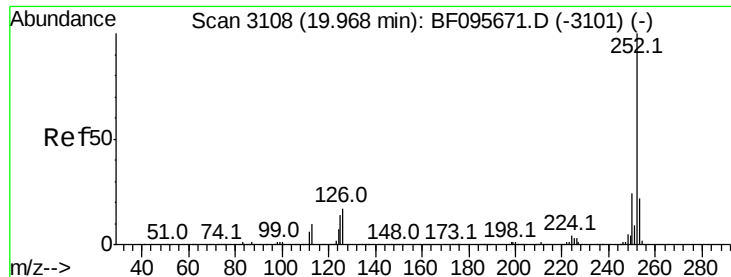
Tot Ion	Ratio	Lower	Upper
252	100		
253	17.4	18.1	27.1#
125	17.3	9.8	14.8#



#88
Benzo(k)fluoranthene
Concen: 2.79 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.05 min
Lab File: BF095890.D
Acq: 13 Jun 2017 00:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	17.4	18.4	27.6#
125	17.3	13.1	19.7

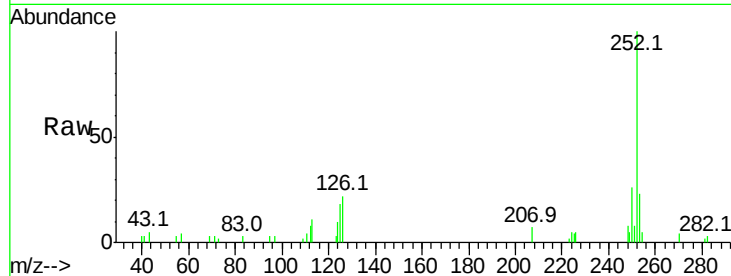




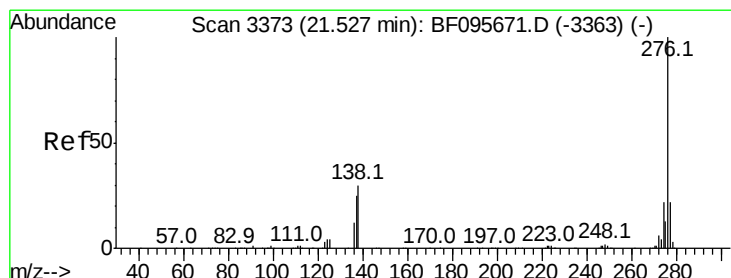
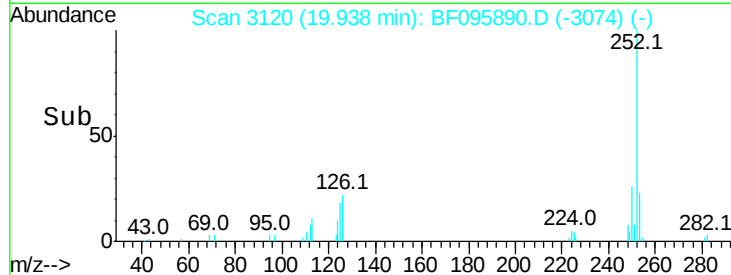
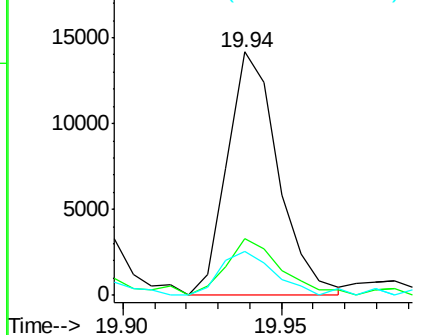
#89
Benzo(a)pyrene
Concen: 2.04 ng
RT: 19.94 min Scan# 3120
Delta R.T. -0.03 min
Lab File: BF095890.D
Acq: 13 Jun 2017 00:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	18.1	11.0	16.4

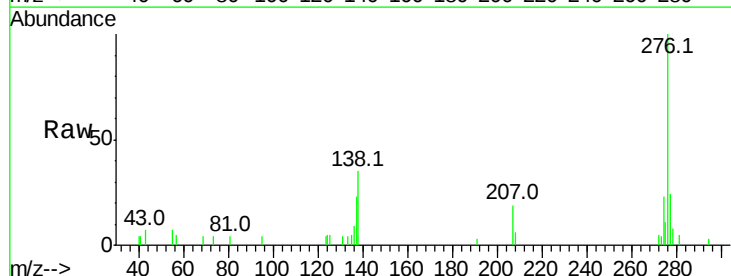


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.02 ng
RT: 21.51 min Scan# 3388
Delta R.T. -0.01 min
Lab File: BF095890.D
Acq: 13 Jun 2017 00:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	35.3	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

