

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096189.D
 Acq On : 24 Jun 2017 14:32
 Operator : SJ/MA
 Sample : I3851-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 01:22:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	65692	20.00	ng	-0.03
21) Naphthalene-d8	9.30	136	260893	20.00	ng	-0.03
38) Acenaphthene-d10	12.12	164	103147	20.00	ng	-0.04
63) Phenanthrene-d10	14.51	188	155118	20.00	ng	-0.03
75) Chrysene-d12	18.25	240	140875	20.00	ng	-0.02
86) Perylene-d12	19.93	264	103616	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	407516	98.85	ng	-0.04
7) Phenol-d6	6.84	99	513209	103.98	ng	-0.04
23) Nitrobenzene-d5	8.19	82	290790	69.22	ng	-0.04
41) 2,4,6-Tribromophenol	13.42	330	73788	80.85	ng	-0.04
44) 2-Fluorobiphenyl	11.07	172	547233	73.83	ng	-0.04
78) Terphenyl-d14	16.90	244	350314	61.71	ng	-0.03

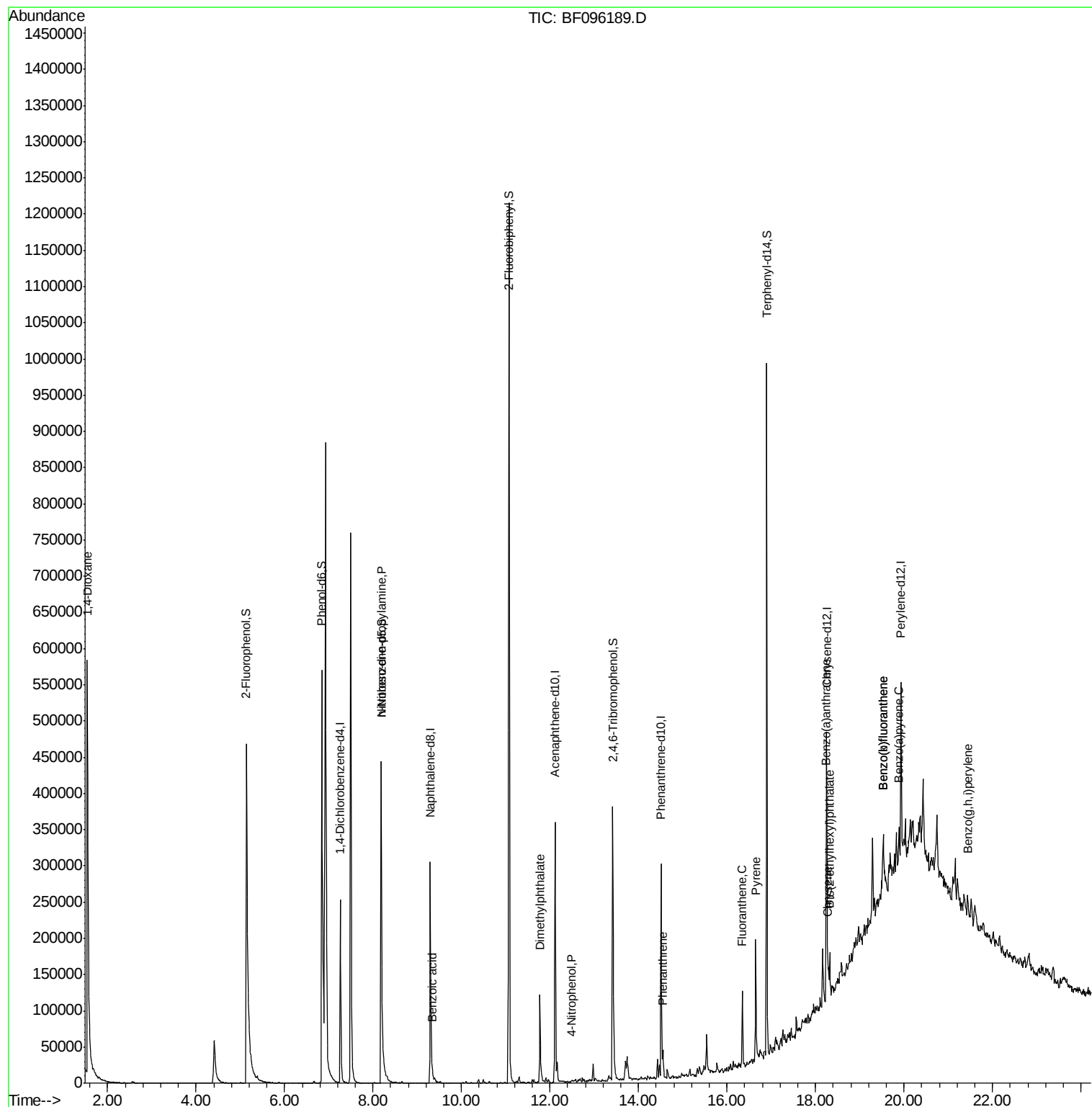
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.54	88	27196	13.87	ng	# 21
19) n-Nitroso-di-n-propylamine	8.19	70	34068	10.89	ng	# 73
32) Benzoic acid	9.35	122	408	5.28	ng	# 68
49) Dimethylphthalate	11.77	163	85737	10.95	ng	99
55) 4-Nitrophenol	12.48	139	568	5.09	ng	# 25
70) Phenanthrene	14.55	178	26860	3.00	ng	98
74) Fluoranthene	16.34	202	56543	6.38	ng	98
77) Pyrene	16.65	202	59317	5.64	ng	96
80) Benzo(a)anthracene	18.24	228	30019	3.67	ng	95
82) Chrysene	18.29	228	29885	3.65	ng	93
83) Bis(2-ethylhexyl)phthalate	18.32	149	19112	2.95	ng	# 94
87) Benzo(b)fluoranthene	19.53	252	48117	7.42	ng	# 86
88) Benzo(k)fluoranthene	19.53	252	48117	7.76	ng	# 91
89) Benzo(a)pyrene	19.89	252	21064	3.53	ng	# 87
91) Benzo(a,h,i)perylene	21.44	276	11654	2.26	ng	# 87

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

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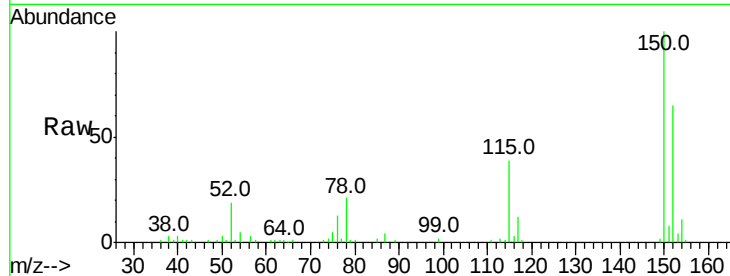


#1

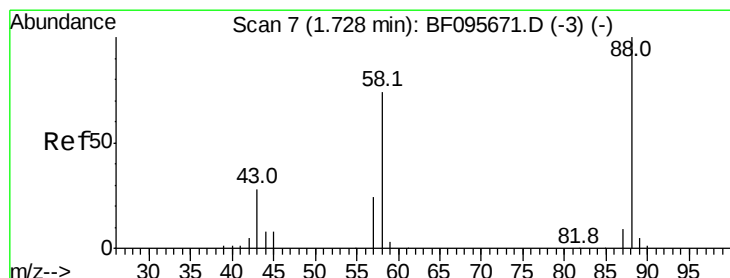
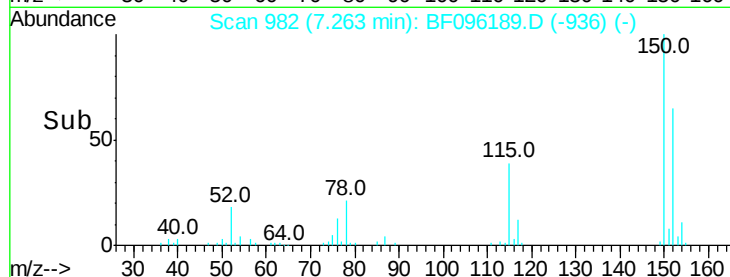
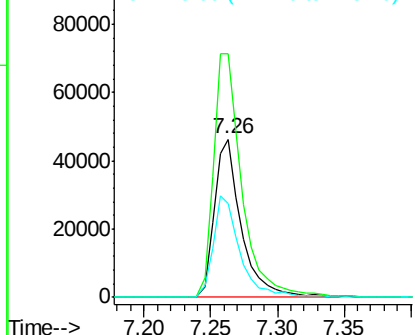
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096189.D
Acq: 24 Jun 2017 14:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 65692
Ion Ratio Lower Upper
152 100
150 153.8 126.2 189.2
115 59.7 52.2 78.2



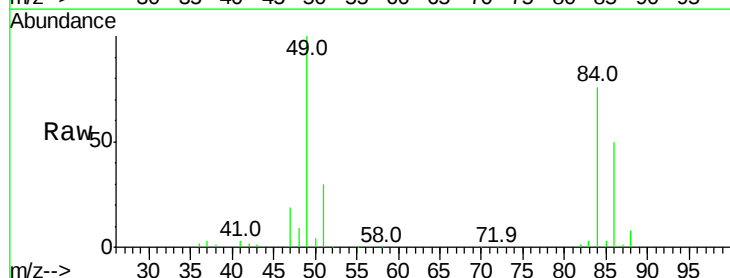
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



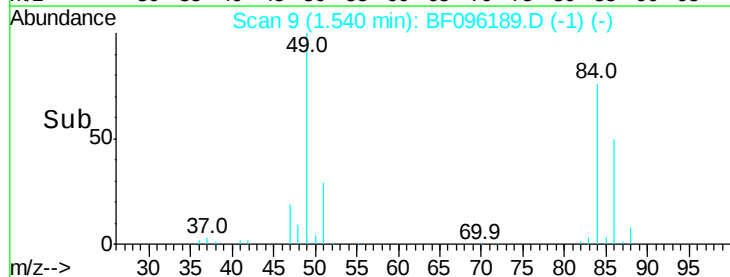
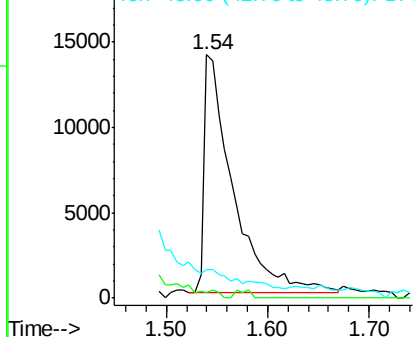
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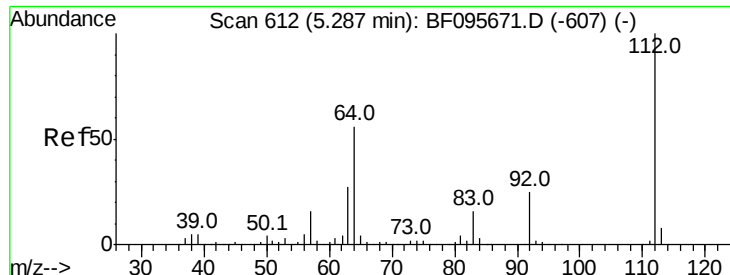
1,4-Dioxane
Concen: 13.87 ng
RT: 1.54 min Scan# 9
Delta R.T. -0.07 min
Lab File: BF096189.D
Acq: 24 Jun 2017 14:32

Tgt Ion: 88 Resp: 27196
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 0.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 98.85 ng

RT: 5.14 min Scan# 621

Delta R.T. -0.04 min

Lab File: BF096189.D

Acq: 24 Jun 2017 14:32

Instrument :

BNA_F

ClientSampled :

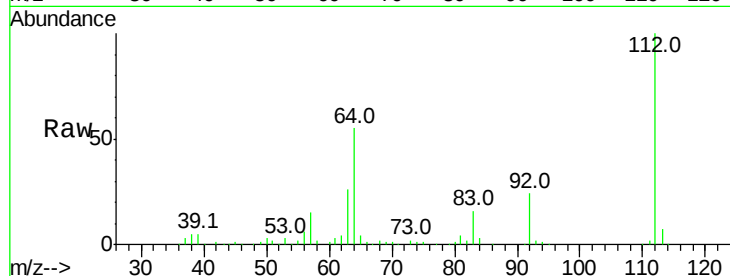
Tot Ion:112 Resp: 407516

Ion Ratio Lower Upper

112 100

64 55.3 46.0 69.0

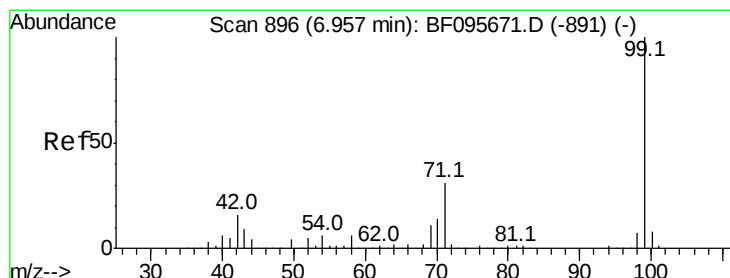
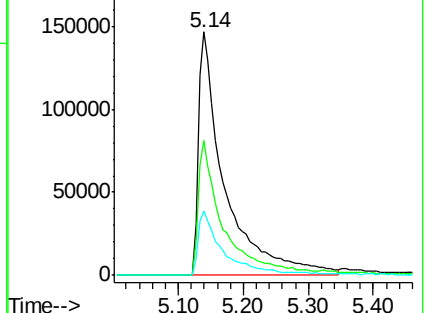
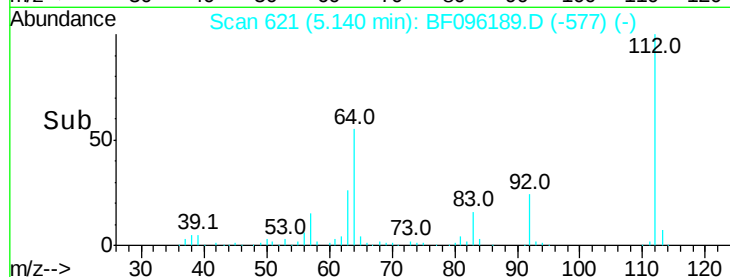
63 26.4 23.4 35.0



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: 103.98 ng

RT: 6.84 min Scan# 910

Delta R.T. -0.04 min

Lab File: BF096189.D

Acq: 24 Jun 2017 14:32

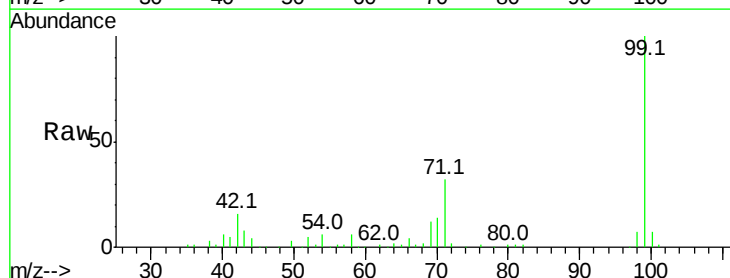
Tgt Ion: 99 Resp: 513209

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

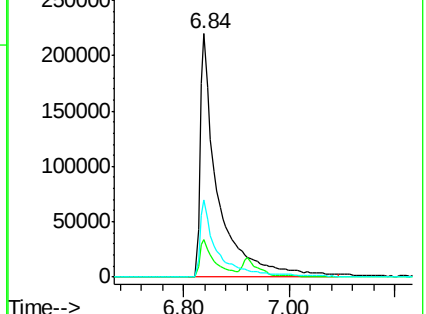
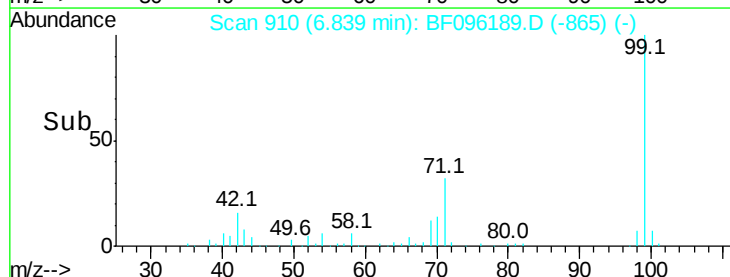
71 31.7 24.5 36.7

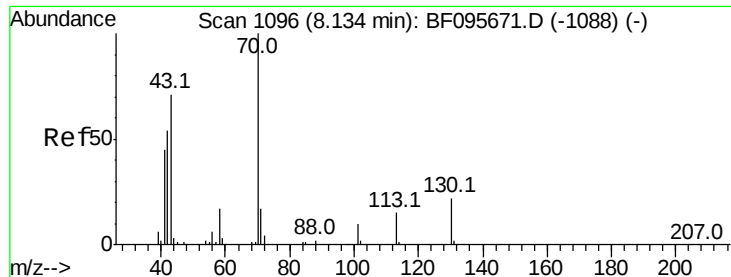


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

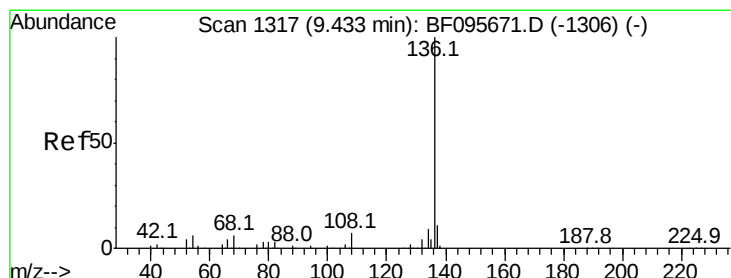
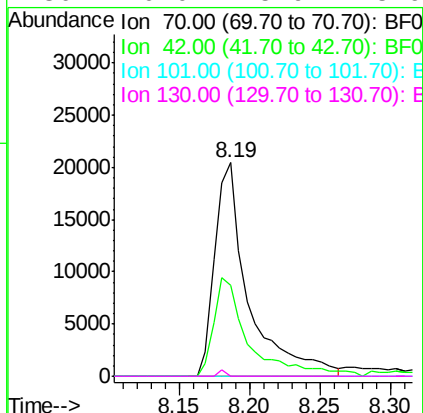
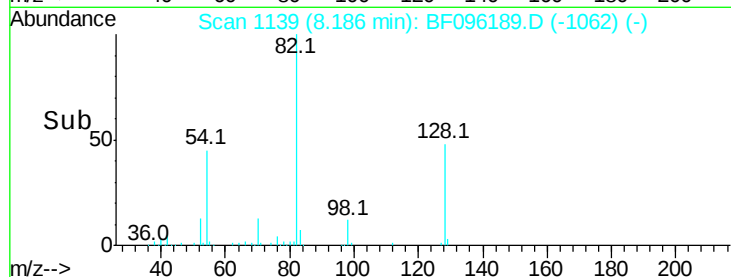
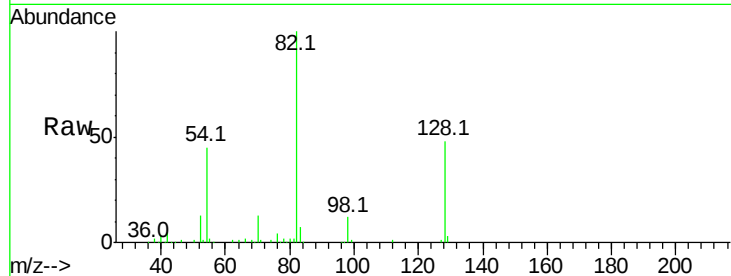




#19
n-Nitroso-di-n-propylamine
Concen: 10.89 ng
RT: 8.19 min Scan# 1139
Delta R.T. 0.15 min
Lab File: BF096189.D
Acq: 24 Jun 2017 14:32

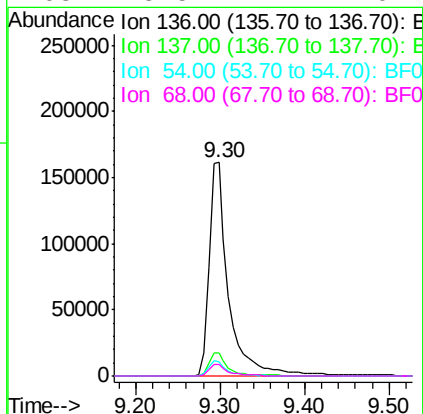
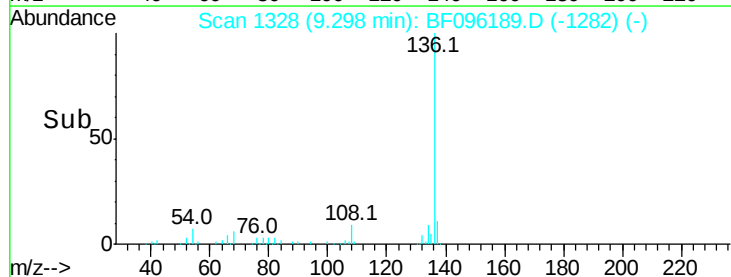
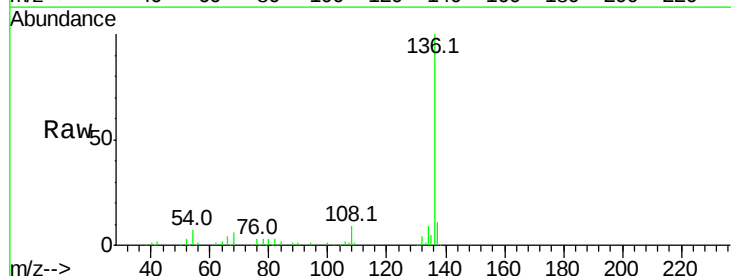
Instrument :
BNA_F
ClientSampleId :

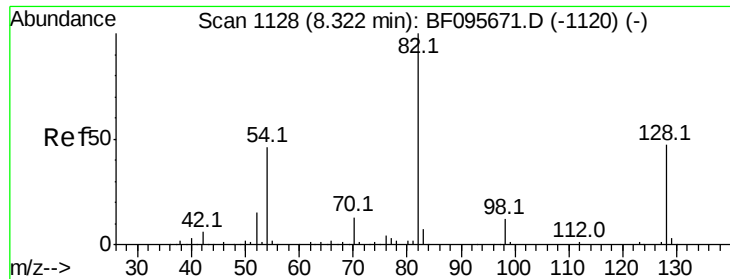
Tot Ion: 70 Resp: 34068
Ion Ratio Lower Upper
70 100
42 42.4 47.2 70.8#
101 0.0 7.2 10.8#
130 0.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.30 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF096189.D
Acq: 24 Jun 2017 14:32

Tgt Ion: 136 Resp: 260893
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 6.6 4.9 7.3
68 5.5 4.1 6.1

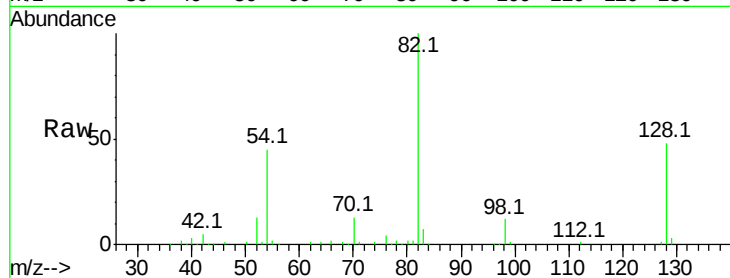




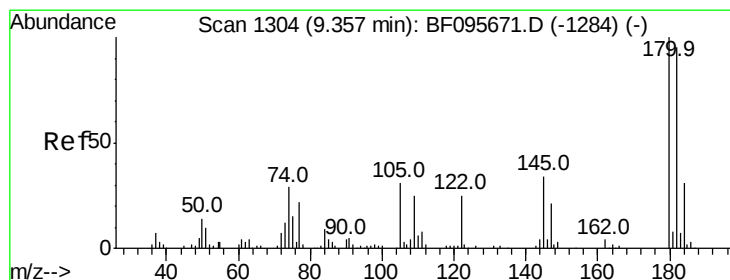
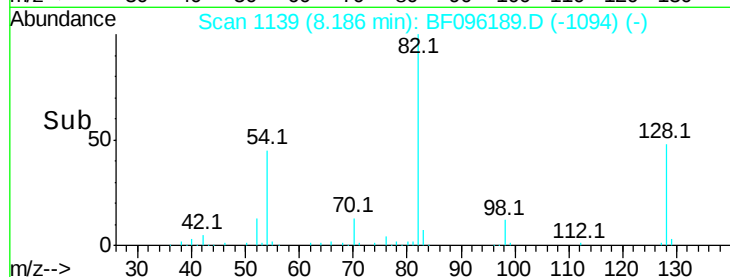
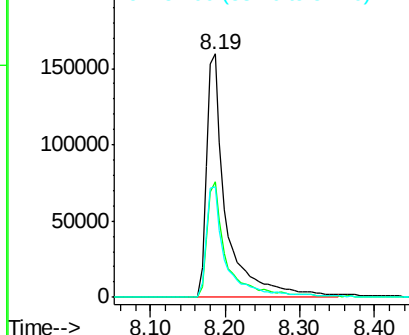
#23
 Nitrobenzene-d5
 Concen: 69.22 ng
 RT: 8.19 min Scan# 1139
 Delta R.T. -0.04 min
 Lab File: BF096189.D
 Acq: 24 Jun 2017 14:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 290790
 Ion Ratio Lower Upper
 82 100
 128 47.6 34.0 51.0
 54 45.3 42.2 63.2

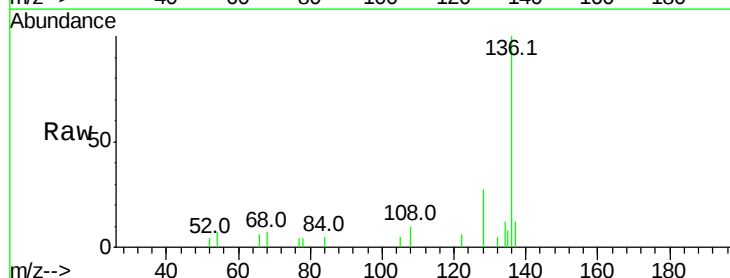


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

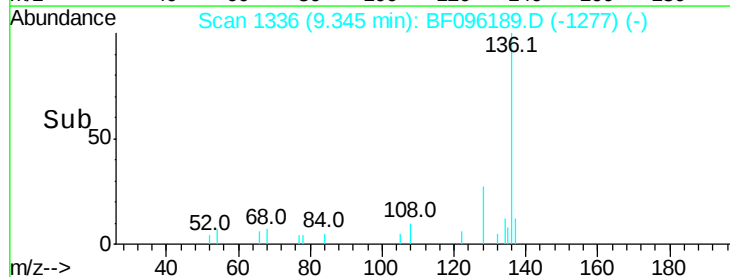
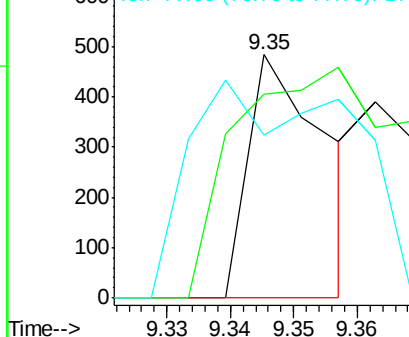


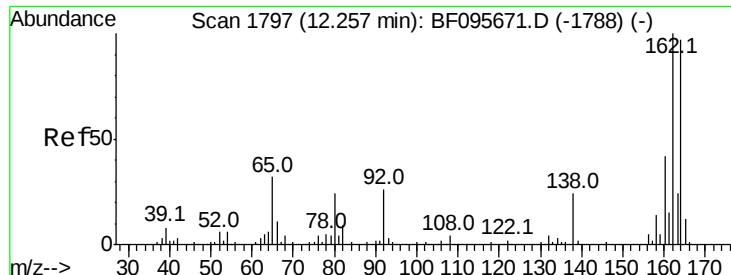
#32
 Benzoic acid
 Concen: 5.28 ng
 RT: 9.35 min Scan# 1336
 Delta R.T. 0.05 min
 Lab File: BF096189.D
 Acq: 24 Jun 2017 14:32

Tgt Ion:122 Resp: 408
 Ion Ratio Lower Upper
 122 100
 105 83.7 103.3 143.3#
 77 66.9 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.12 min Scan# 1807

Delta R.T. -0.04 min

Lab File: BF096189.D

Acq: 24 Jun 2017 14:32

Instrument :

BNA_F

ClientSampleId :

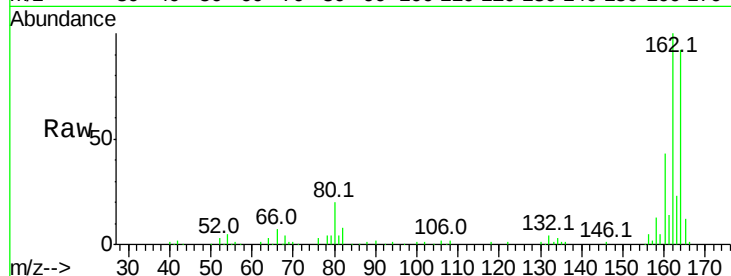
Tot Ion:164 Resp: 103147

Ion Ratio Lower Upper

164 100

162 109.2 82.6 123.8

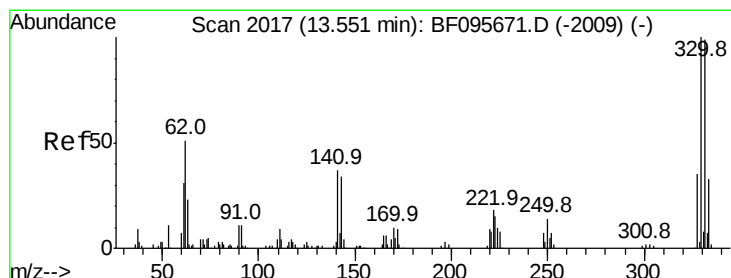
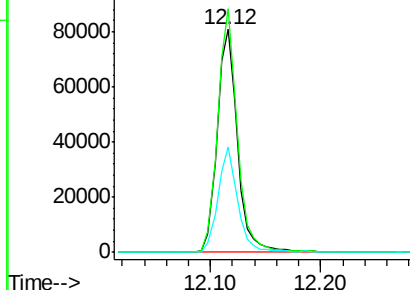
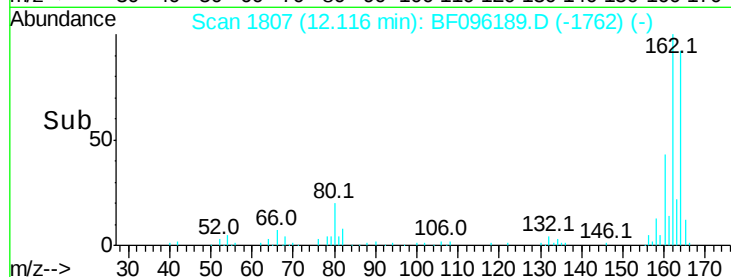
160 47.3 36.2 54.2



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: 80.85 ng

RT: 13.42 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF096189.D

Acq: 24 Jun 2017 14:32

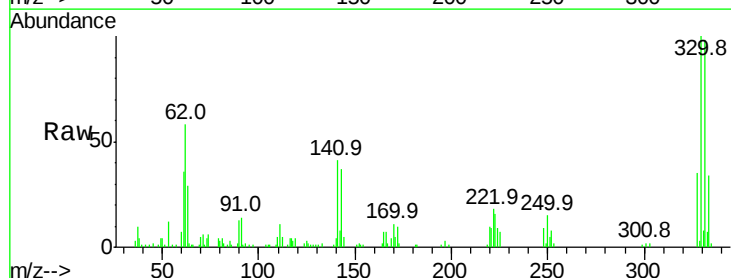
Tgt Ion:330 Resp: 73788

Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

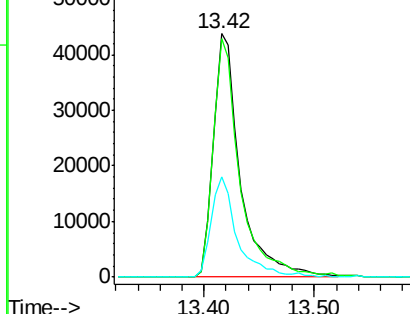
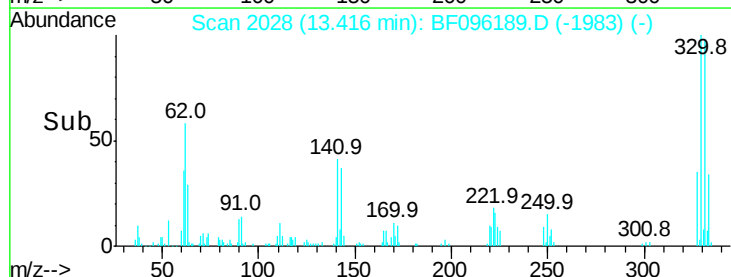
141 40.0 31.4 47.2

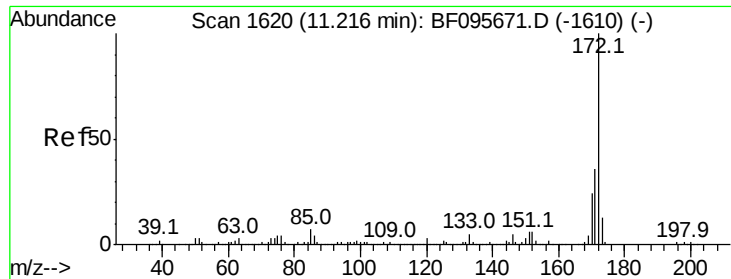


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

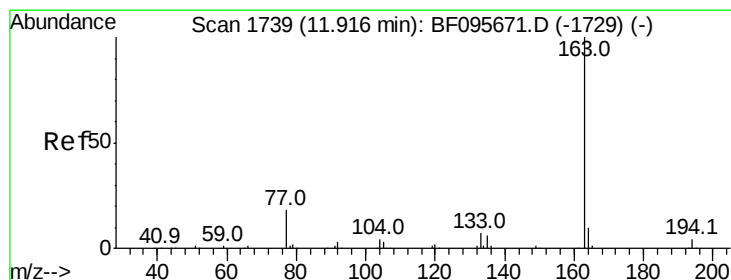
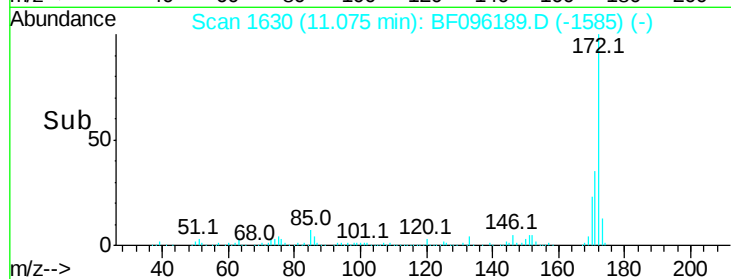
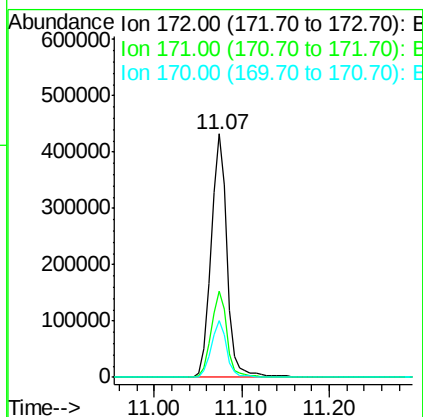
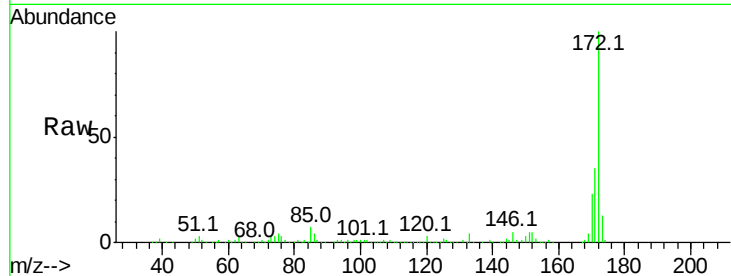




#44
2-Fluorobiphenyl
Concen: 73.83 ng
RT: 11.07 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF096189.D
Acq: 24 Jun 2017 14:32

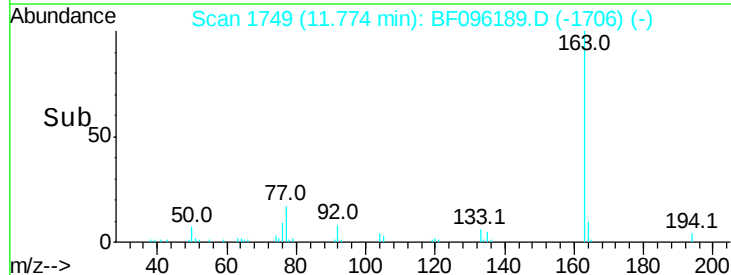
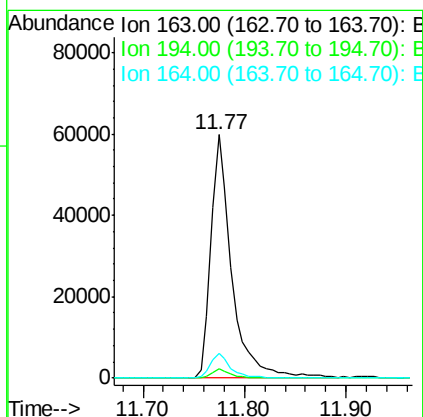
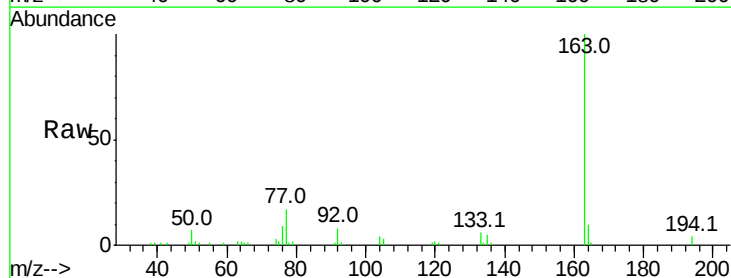
Instrument :
BNA_F
ClientSampled :

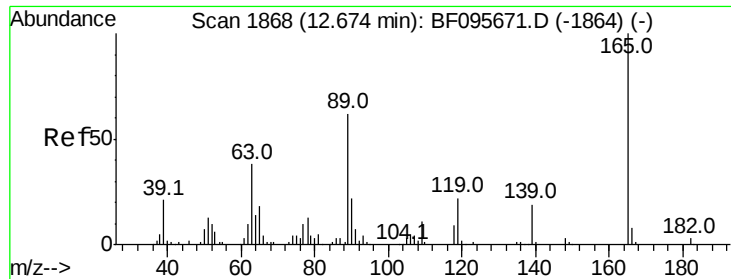
Tot Ion:172 Resp: 547233
Ion Ratio Lower Upper
172 100
171 35.3 29.6 44.4
170 23.2 19.8 29.8



#49
Dimethylphthalate
Concen: 10.95 ng
RT: 11.77 min Scan# 1749
Delta R.T. -0.05 min
Lab File: BF096189.D
Acq: 24 Jun 2017 14:32

Tgt Ion:163 Resp: 85737
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 10.2 8.4 12.6

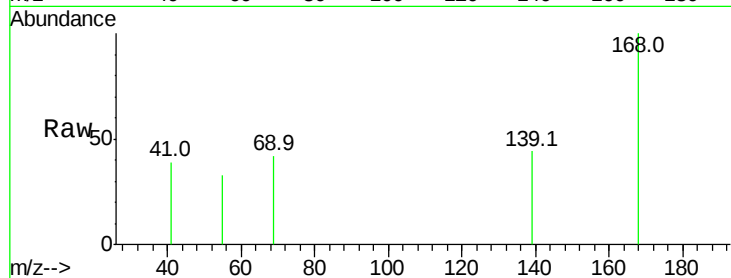




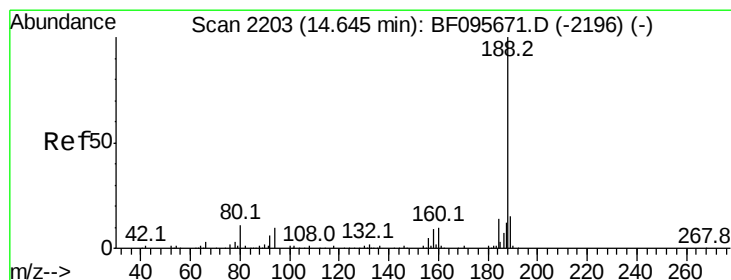
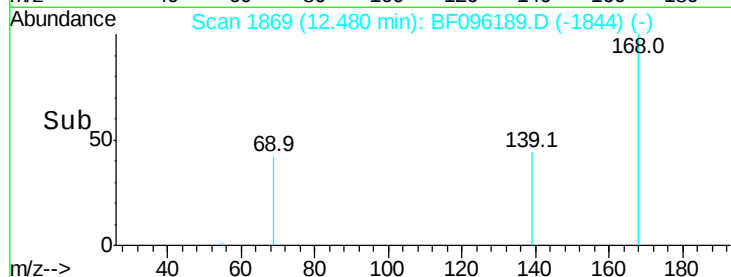
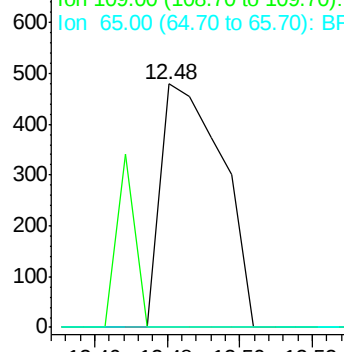
#55
4-Nitrophenol
Concen: 5.09 ng
RT: 12.48 min Scan# 1869
Delta R.T. -0.15 min
Lab File: BF096189.D
Acq: 24 Jun 2017 14:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 568
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

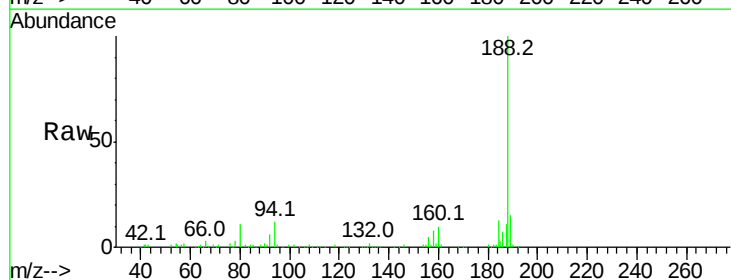


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

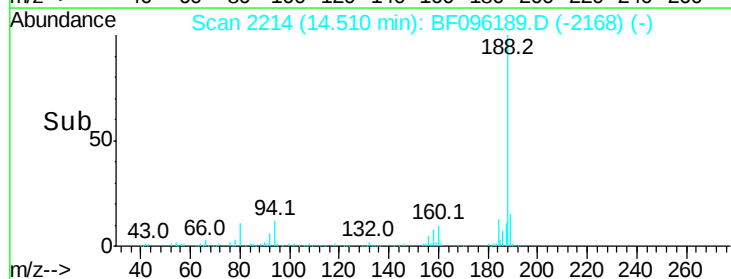
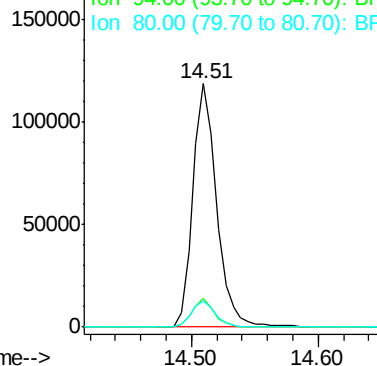


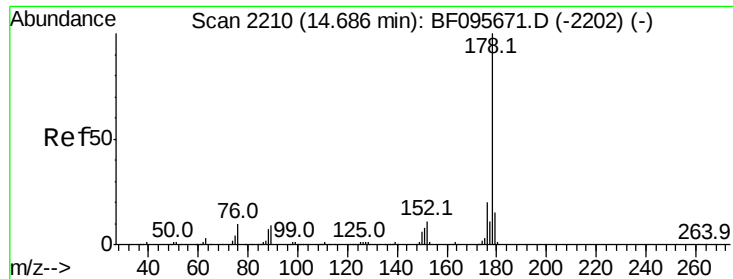
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.51 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF096189.D
Acq: 24 Jun 2017 14:32

Tgt Ion:188 Resp: 155118
Ion Ratio Lower Upper
188 100
94 11.5 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





#70

Phenanthrene

Concen: 3.00 ng

RT: 14.55 min Scan# 2221

Delta R.T. -0.03 min

Lab File: BF096189.D

Acq: 24 Jun 2017 14:32

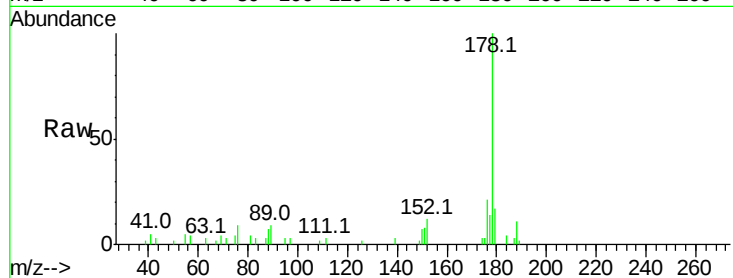
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 26860

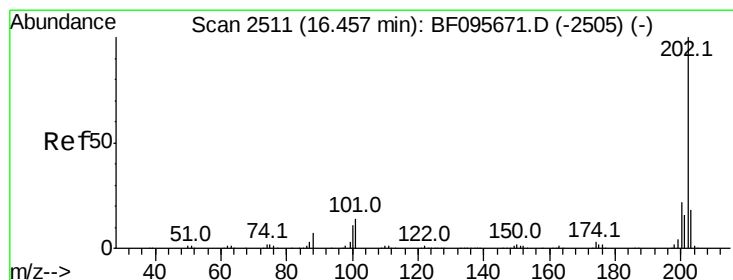
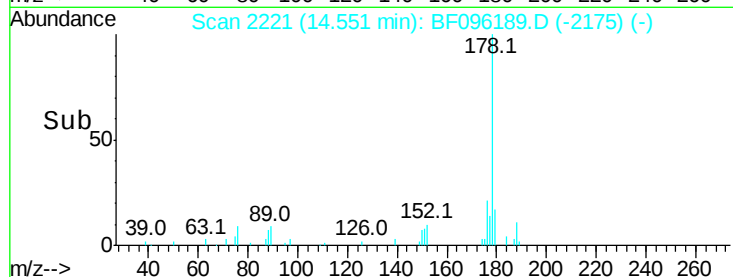
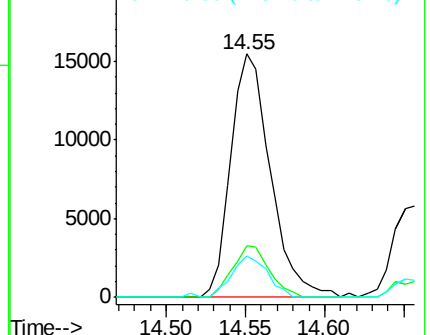
Ion	Ratio	Lower	Upper
178	100		
176	21.4	16.2	24.4
179	16.8	12.6	19.0



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: 6.38 ng

RT: 16.34 min Scan# 2526

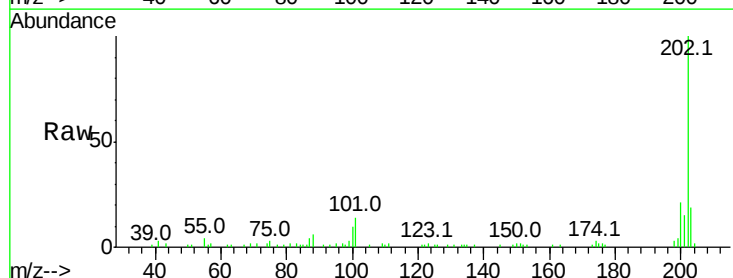
Delta R.T. -0.02 min

Lab File: BF096189.D

Acq: 24 Jun 2017 14:32

Tgt Ion:202 Resp: 56543

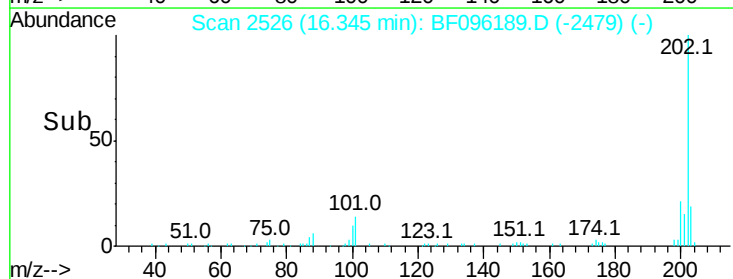
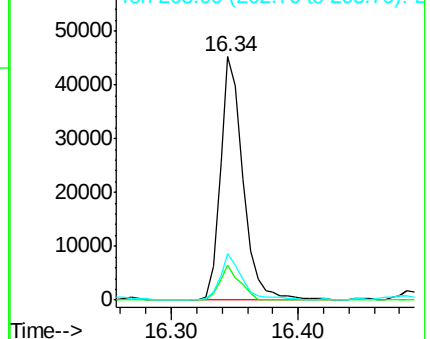
Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	33.2
203	19.0	0.0	38.1

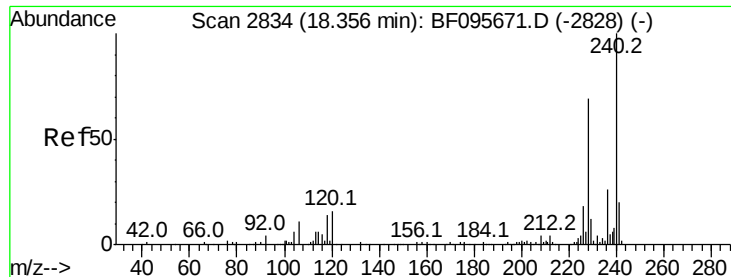


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.25 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BF096189.D

Acq: 24 Jun 2017 14:32

Instrument :

BNA_F

ClientSampleId :

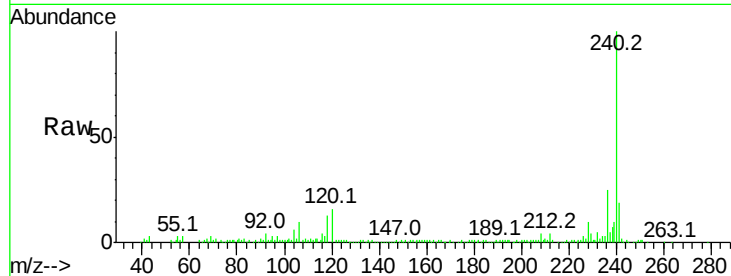
Tot Ion:240 Resp: 140875

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

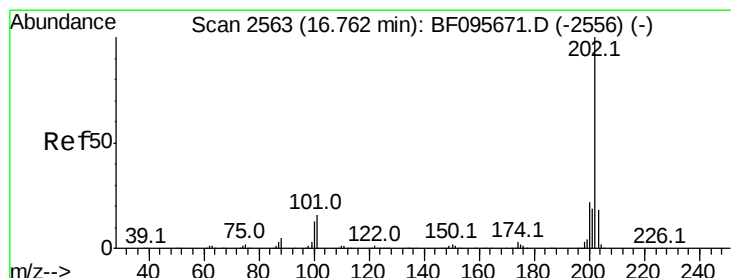
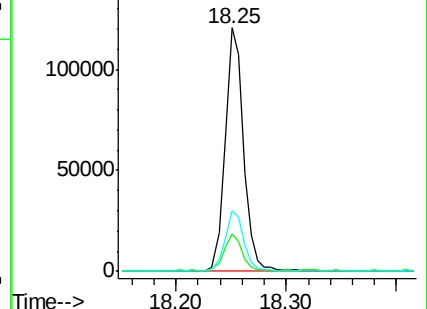
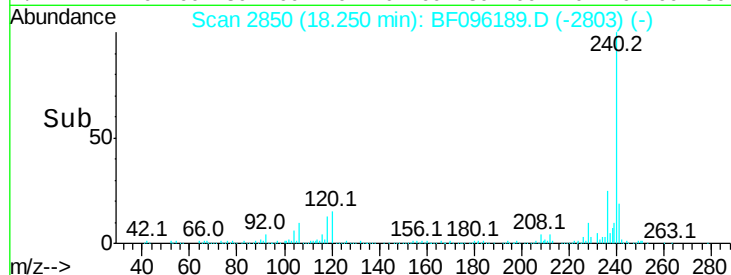
236 24.8 20.5 30.7



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: 5.64 ng

RT: 16.65 min Scan# 2578

Delta R.T. -0.02 min

Lab File: BF096189.D

Acq: 24 Jun 2017 14:32

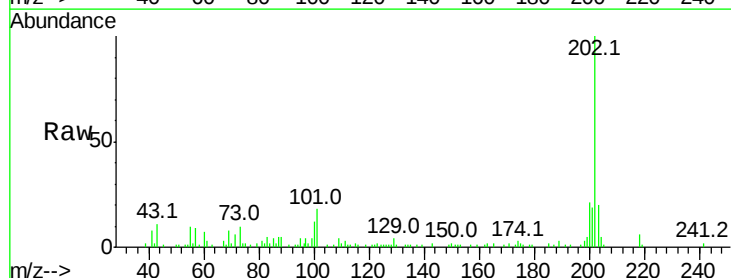
Tgt Ion:202 Resp: 59317

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

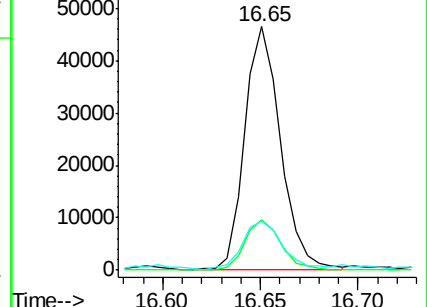
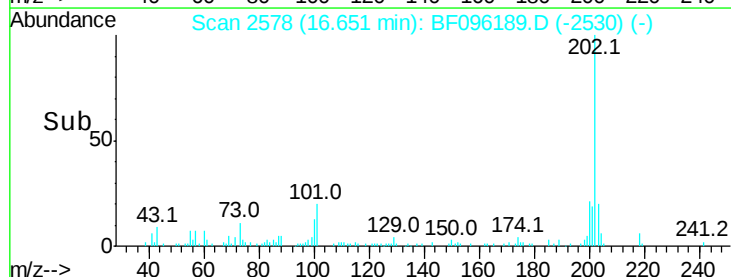
203 20.2 14.4 21.6

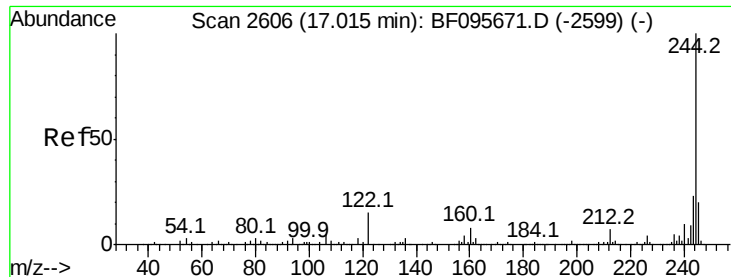


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

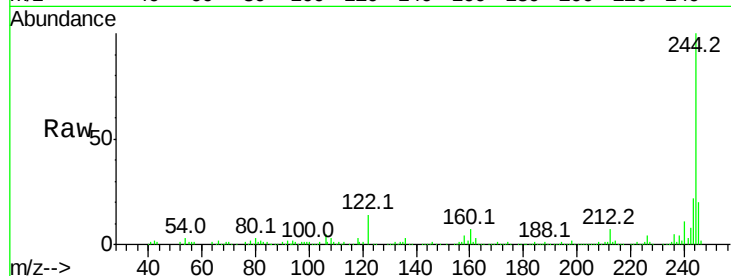




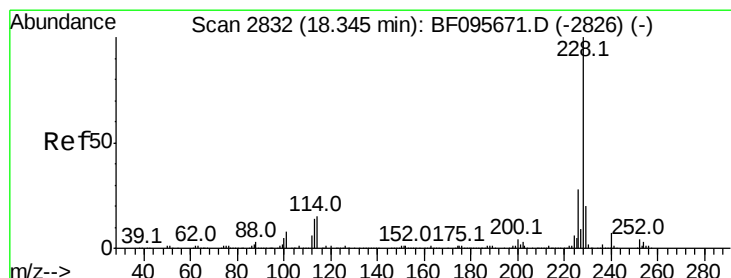
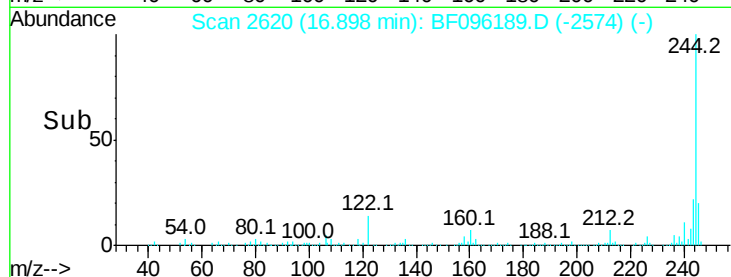
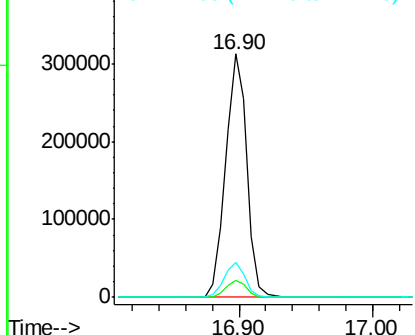
#78
 Terphenyl-d14
 Concen: 61.71 ng
 RT: 16.90 min Scan# 2620
 Delta R.T. -0.03 min
 Lab File: BF096189.D
 Acq: 24 Jun 2017 14:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 350314
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 14.4 10.3 15.5

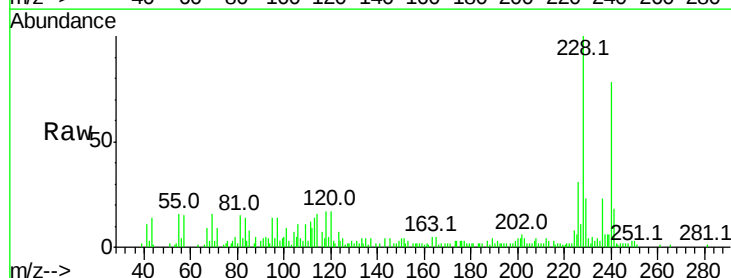


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

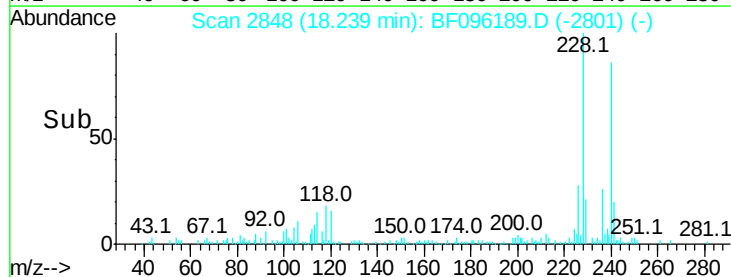
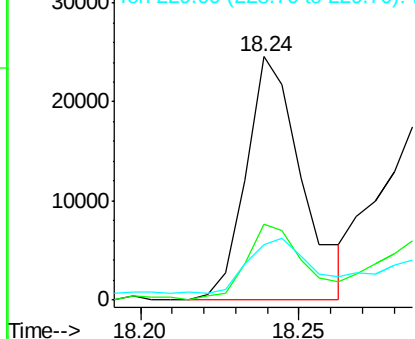


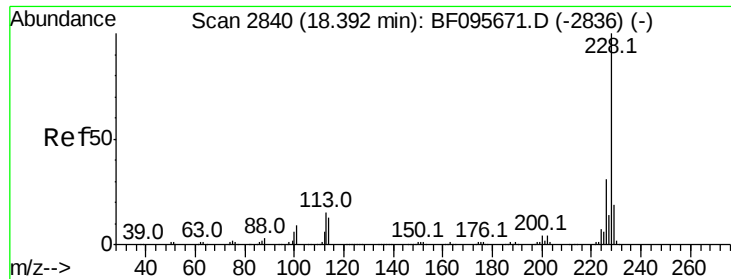
#80
 Benzo(a)anthracene
 Concen: 3.67 ng
 RT: 18.24 min Scan# 2848
 Delta R.T. -0.02 min
 Lab File: BF096189.D
 Acq: 24 Jun 2017 14:32

Tgt Ion:228 Resp: 30019
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.6 33.8
 229 22.6 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: 3.65 ng

RT: 18.29 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BF096189.D

Acq: 24 Jun 2017 14:32

Instrument :

BNA_F

ClientSampleId :

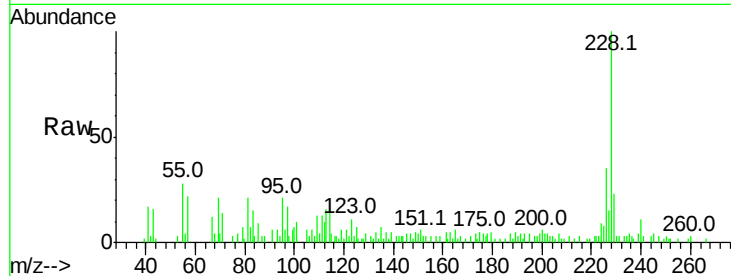
Tot Ion:228 Resp: 29885

Ion Ratio Lower Upper

228 100

226 34.6 24.9 37.3

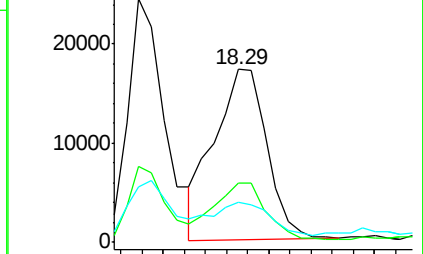
229 23.4 15.8 23.6



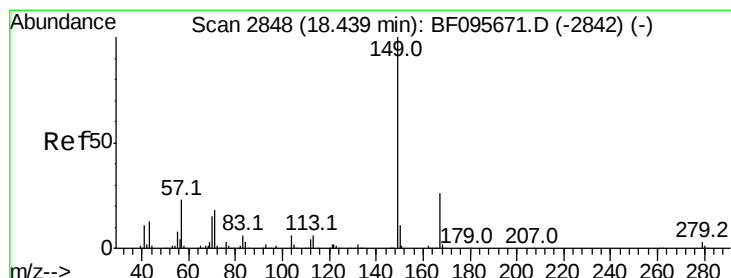
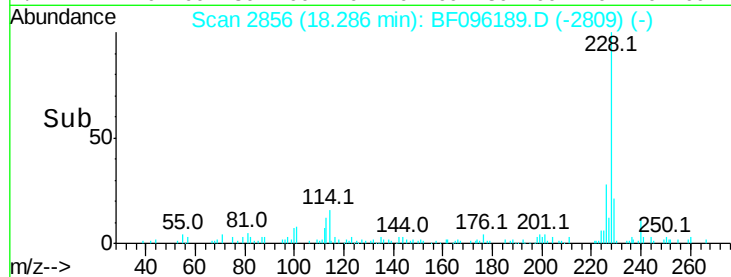
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.95 ng

RT: 18.32 min Scan# 2862

Delta R.T. -0.02 min

Lab File: BF096189.D

Acq: 24 Jun 2017 14:32

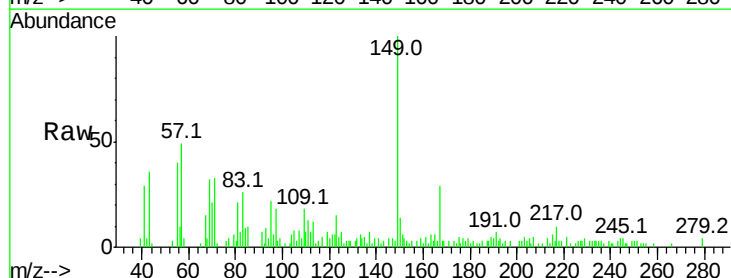
Tgt Ion:149 Resp: 19112

Ion Ratio Lower Upper

149 100

167 29.0 21.0 31.4

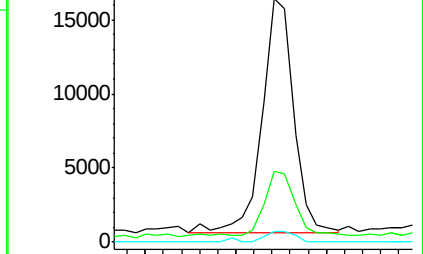
279 4.2 1.9 2.9#



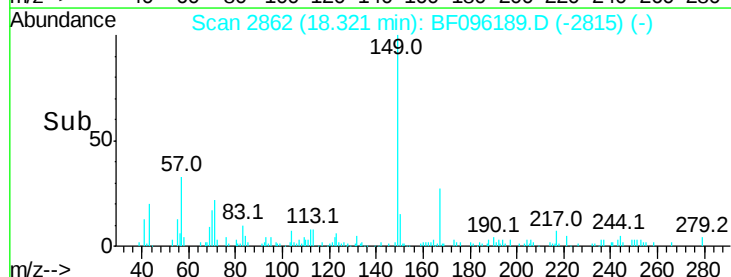
Abundance Ion 149.00 (148.70 to 149.70): E

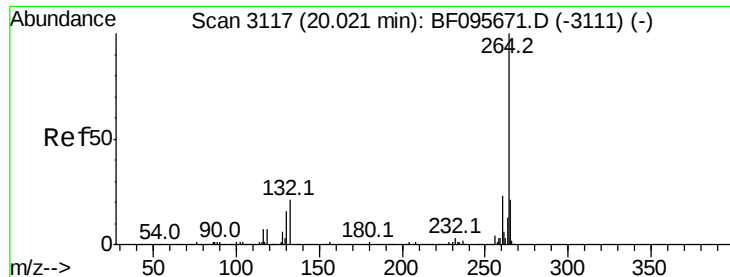
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

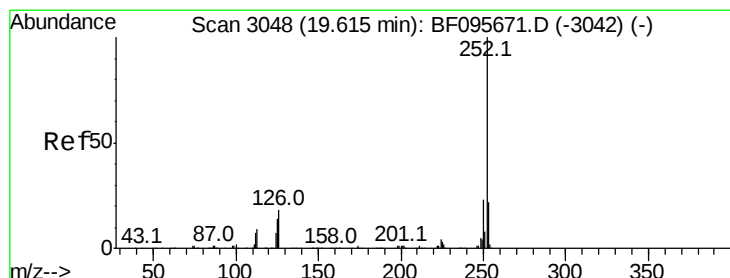
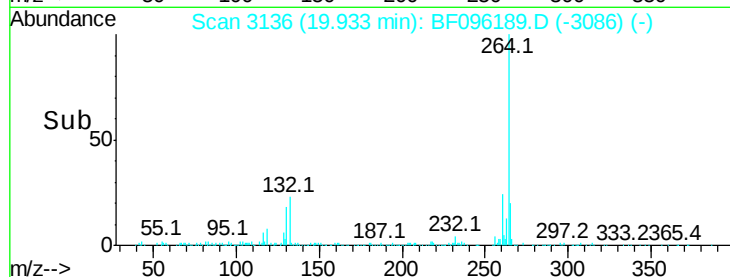
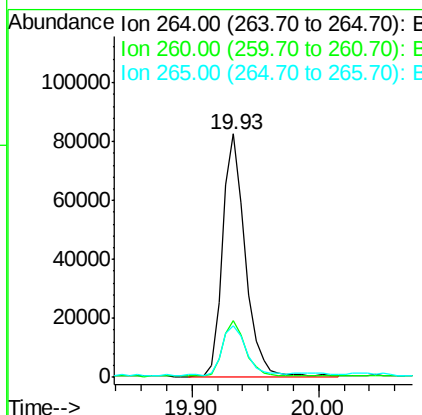
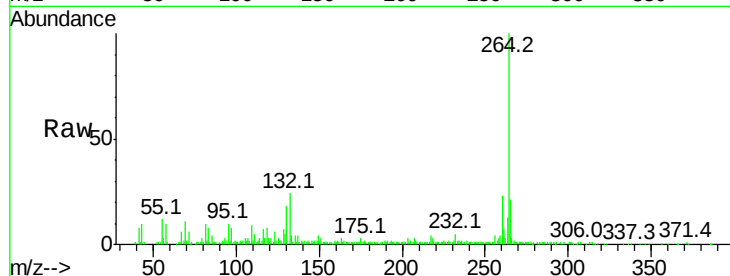




#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.93 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BF096189.D
Acq: 24 Jun 2017 14:32

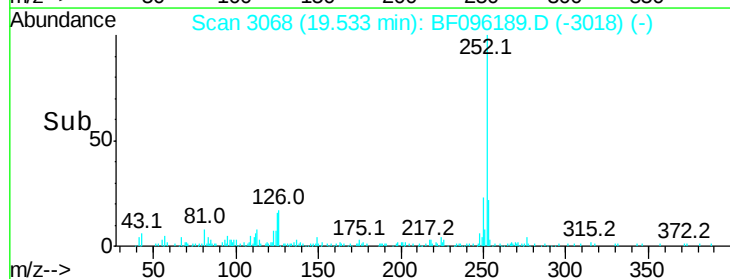
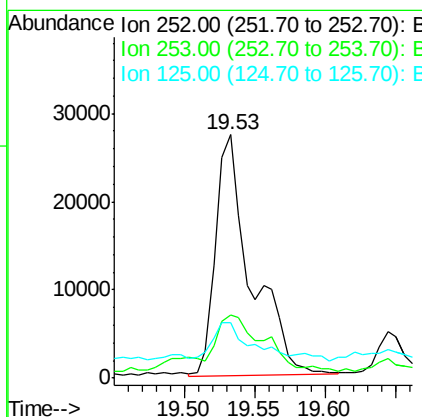
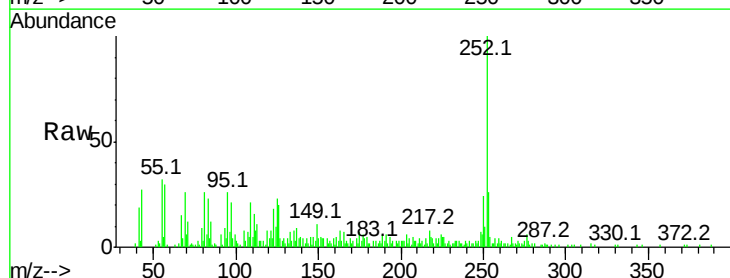
Instrument :
BNA_F
ClientSampleId :

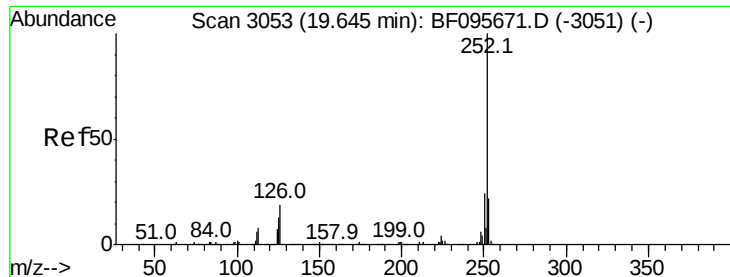
Tot Ion:264 Resp: 103616
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.42 ng
RT: 19.53 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF096189.D
Acq: 24 Jun 2017 14:32

Tgt Ion:252 Resp: 48117
Ion Ratio Lower Upper
252 100
253 25.8 18.1 27.1
125 22.6 9.8 14.8#

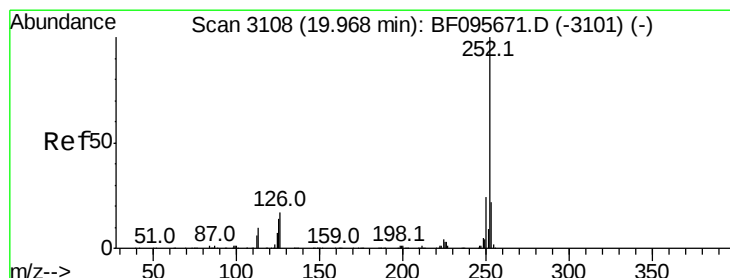
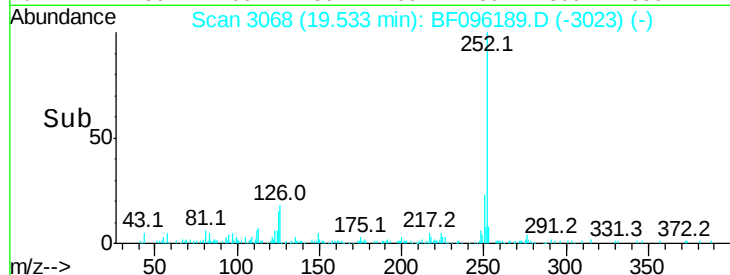
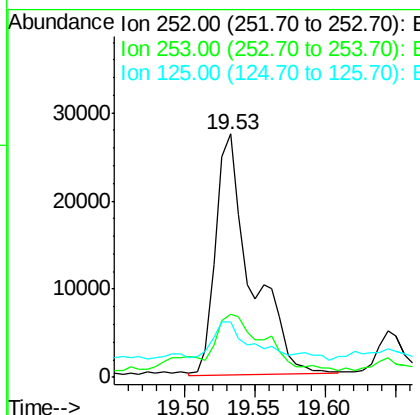
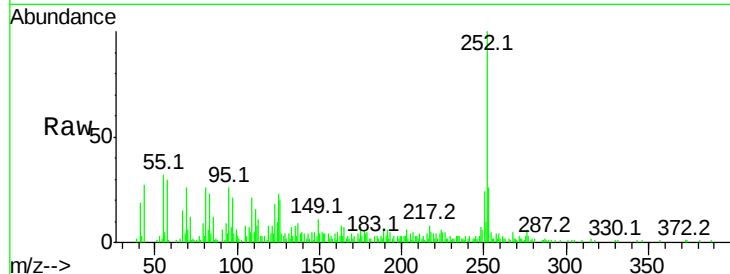




#88
Benzo(k)fluoranthene
Concen: 7.76 ng
RT: 19.53 min Scan# 3068
Delta R.T. -0.04 min
Lab File: BF096189.D
Acq: 24 Jun 2017 14:32

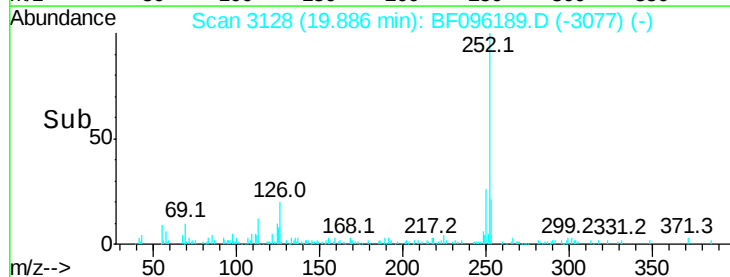
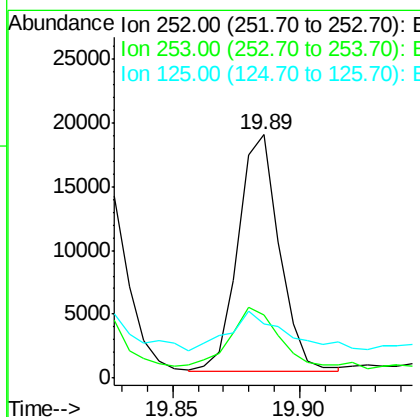
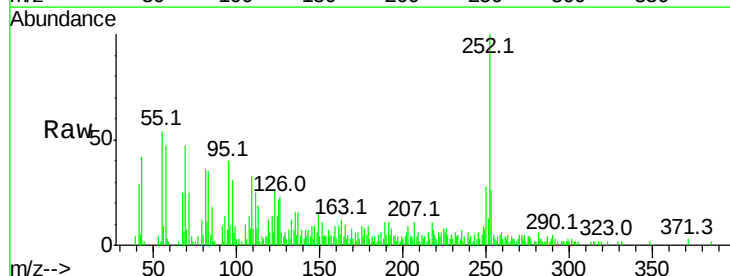
Instrument :
BNA_F
ClientSampleId :

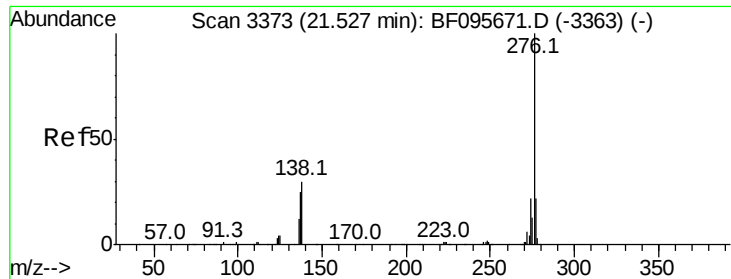
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.4	27.6
125	22.6	13.1	19.7



#89
Benzo(a)pyrene
Concen: 3.53 ng
RT: 19.89 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BF096189.D
Acq: 24 Jun 2017 14:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.5	26.3
125	22.3	11.0	16.4

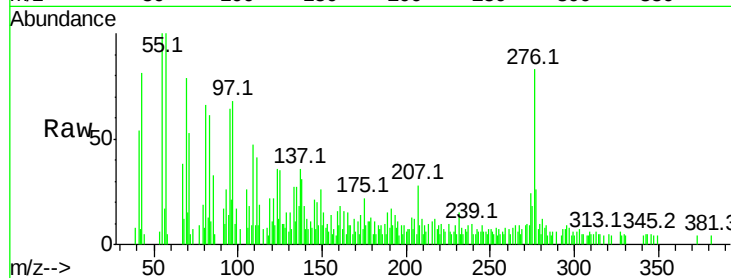




#91
 Benzo(a,h,i)perylene
 Concen: 2.26 ng
 RT: 21.44 min Scan# 3393
 Delta R.T. 0.02 min
 Lab File: BF096189.D
 Acq: 24 Jun 2017 14:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 11654
 Ion Ratio Lower Upper
 276 100
 277 30.9 18.6 28.0#
 138 37.5 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

