

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096190.D
 Acq On : 24 Jun 2017 15:04
 Operator : SJ/MA
 Sample : I3851-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 01:22:23 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	61428	20.00	ng	-0.03
21) Naphthalene-d8	9.30	136	248359	20.00	ng	-0.03
38) Acenaphthene-d10	12.12	164	95279	20.00	ng	-0.04
63) Phenanthrene-d10	14.51	188	146923	20.00	ng	-0.03
75) Chrysene-d12	18.25	240	133324	20.00	ng	-0.02
86) Perylene-d12	19.93	264	98464	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	440600	114.29	ng	-0.04
7) Phenol-d6	6.84	99	550731	119.33	ng	-0.04
23) Nitrobenzene-d5	8.19	82	308100	77.04	ng	-0.04
41) 2,4,6-Tribromophenol	13.42	330	80676	95.70	ng	-0.04
44) 2-Fluorobiphenyl	11.07	172	454650	66.40	ng	-0.04
78) Terphenyl-d14	16.90	244	305133	56.80	ng	-0.03

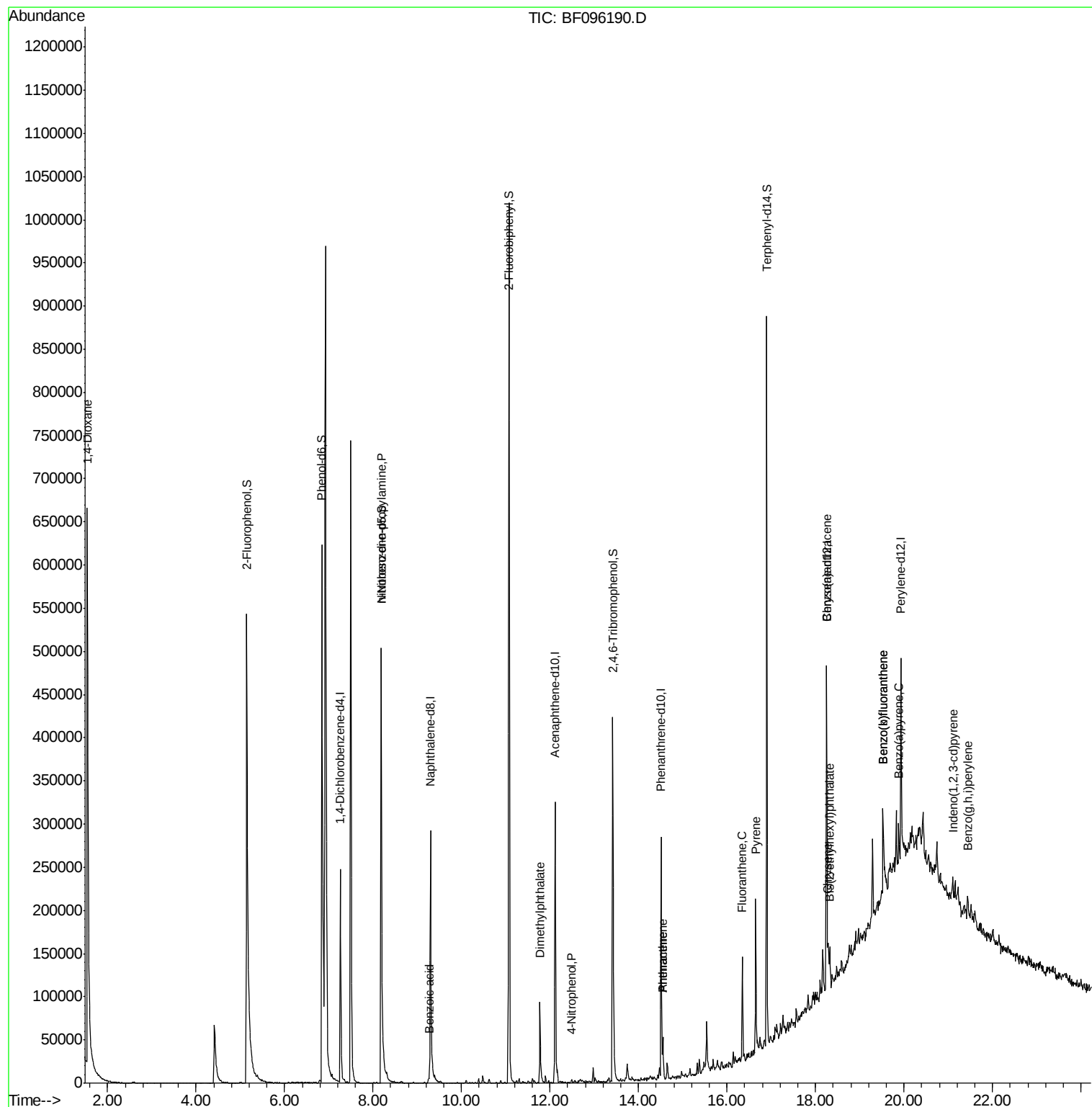
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.54	88	30059	16.39	ng	# 21
19) n-Nitroso-di-n-propylamine	8.19	70	38804	13.27	ng	# 76
32) Benzoic acid	9.27	122	3396	6.51	ng	86
49) Dimethylphthalate	11.77	163	65366	9.04	ng	99
55) 4-Nitrophenol	12.49	139	1276	5.75	ng	# 25
70) Phenanthrene	14.55	178	30879	3.64	ng	97
71) Anthracene	14.55	178	30879	3.49	ng	97
74) Fluoranthene	16.34	202	63095	7.52	ng	99
77) Pyrene	16.65	202	61346	6.17	ng	98
80) Benzo(a)anthracene	18.24	228	32599	4.21	ng	# 90
82) Chrysene	18.29	228	36306	4.69	ng	# 90
83) Bis(2-ethylhexyl)phthalate	18.32	149	13410	2.19	ng	95
85) Indeno(1,2,3-cd)pyrene	21.11	276	15121	2.28	ng	95
87) Benzo(b)fluoranthene	19.53	252	60052	9.74	ng	# 93
88) Benzo(k)fluoranthene	19.53	252	60052	10.19	ng	97
89) Benzo(a)pyrene	19.88	252	21494	3.79	ng	# 82
91) Benzo(a,h,i)perylene	21.43	276	15322	3.13	ng	# 94

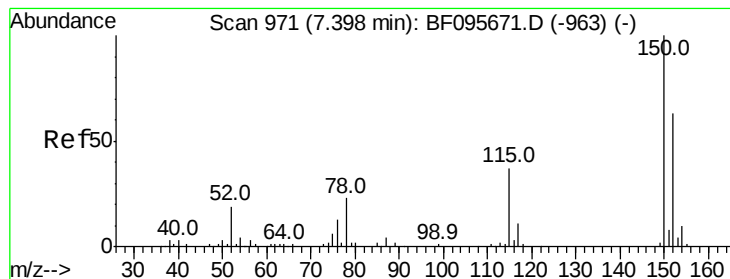
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF096190.D

Acq: 24 Jun 2017 15:04

Instrument :

BNA_F

ClientSampled :

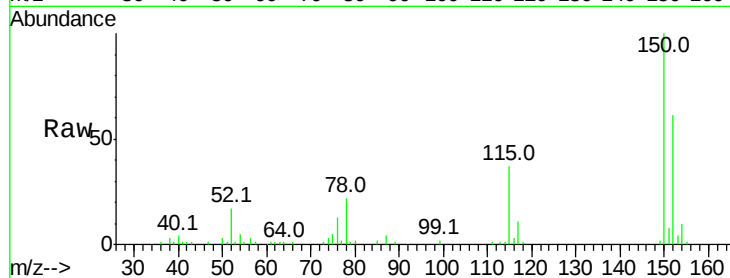
Tot Ion:152 Resp: 61428

Ion Ratio Lower Upper

152 100

150 163.1 126.2 189.2

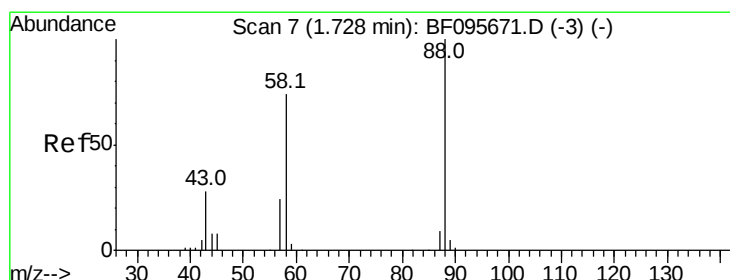
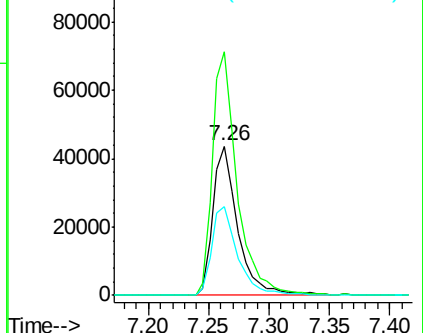
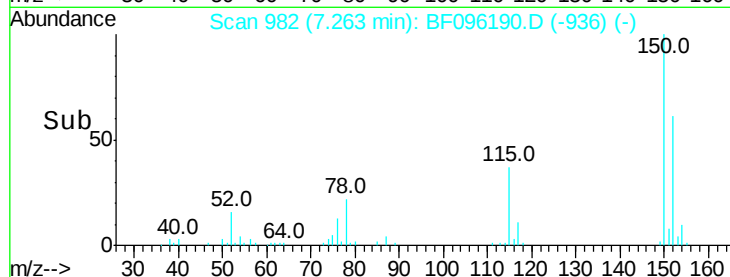
115 59.7 52.2 78.2



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



#2

1,4-Dioxane

Concen: 16.39 ng

RT: 1.54 min Scan# 9

Delta R.T. -0.07 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

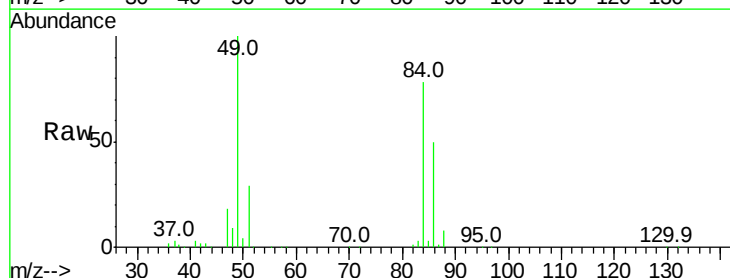
Tgt Ion: 88 Resp: 30059

Ion Ratio Lower Upper

88 100

58 0.0 61.4 92.0#

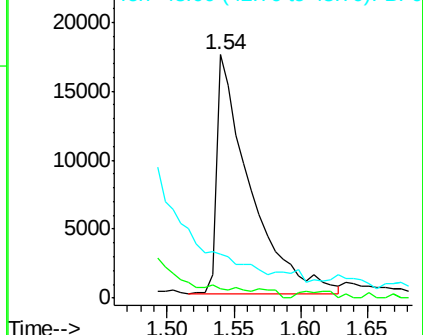
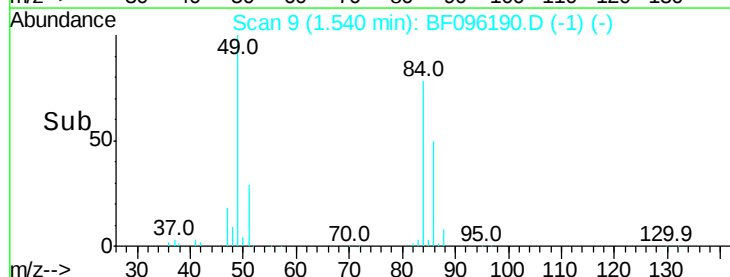
43 0.0 23.4 35.0#

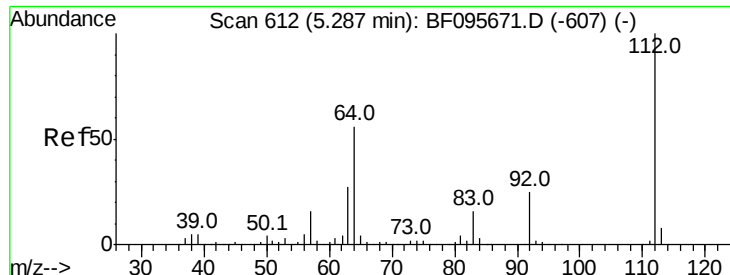


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 114.29 ng

RT: 5.15 min Scan# 622

Delta R.T. -0.04 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Instrument :

BNA_F

ClientSampled :

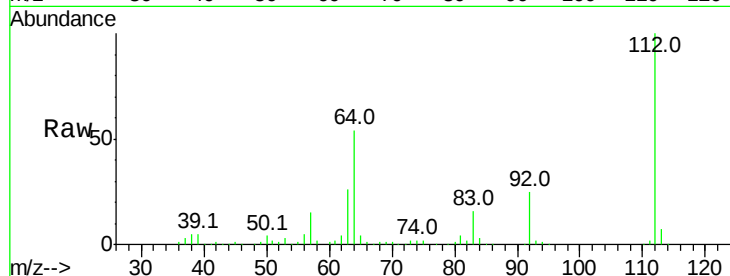
Tot Ion:112 Resp: 440600

Ion Ratio Lower Upper

112 100

64 53.9 46.0 69.0

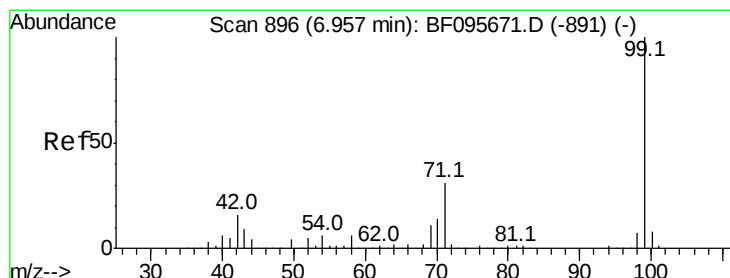
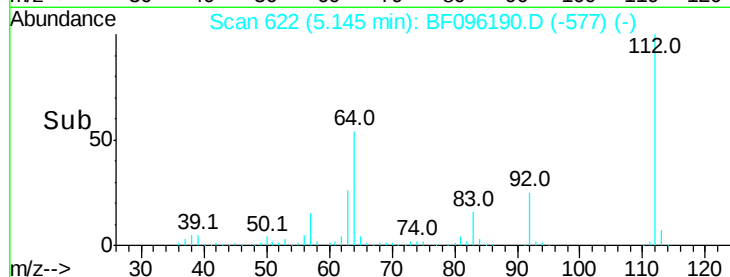
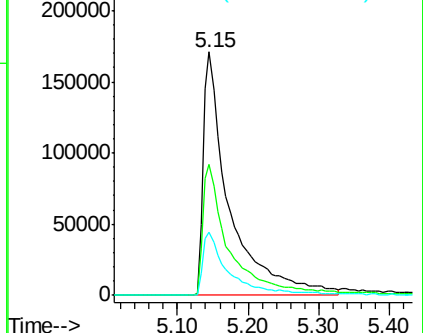
63 25.9 23.4 35.0



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: 119.33 ng

RT: 6.84 min Scan# 910

Delta R.T. -0.04 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

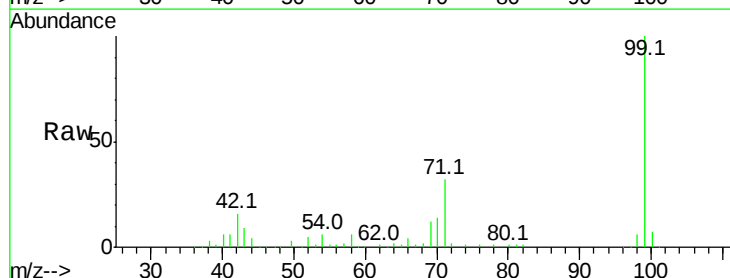
Tgt Ion: 99 Resp: 550731

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

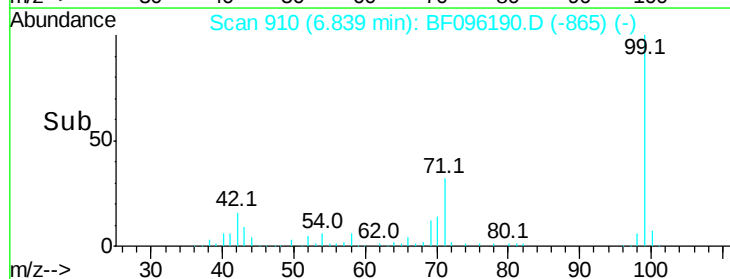
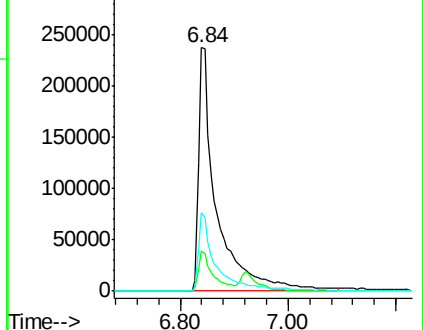
71 32.2 24.5 36.7

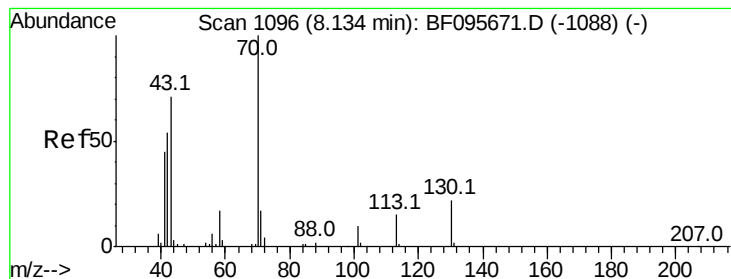


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 13.27 ng

RT: 8.19 min Scan# 1139

Delta R.T. 0.15 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 38804

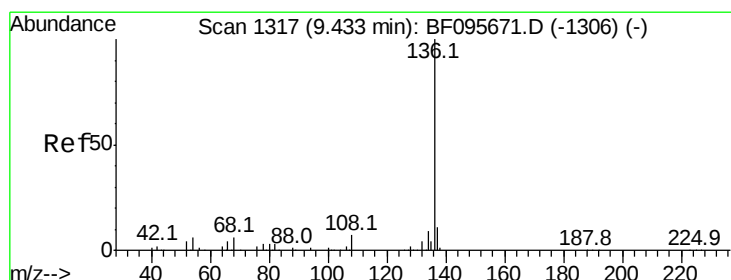
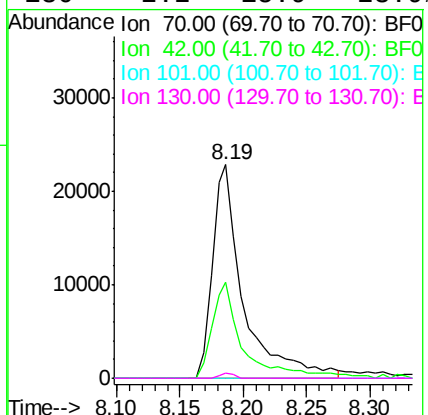
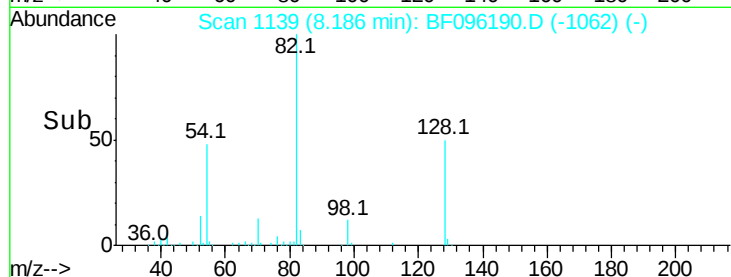
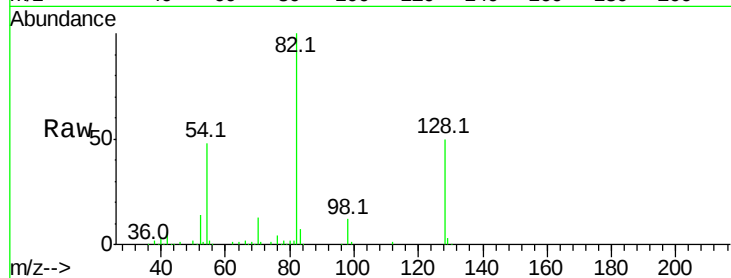
Ion Ratio Lower Upper

70 100

42 45.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 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: BF096190.D

Acq: 24 Jun 2017 15:04

Tgt Ion: 136 Resp: 248359

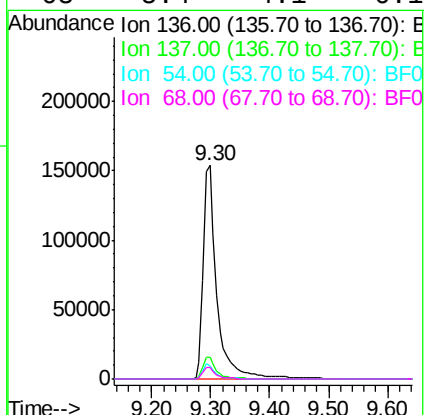
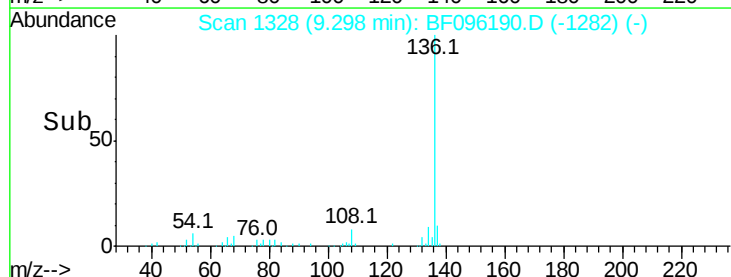
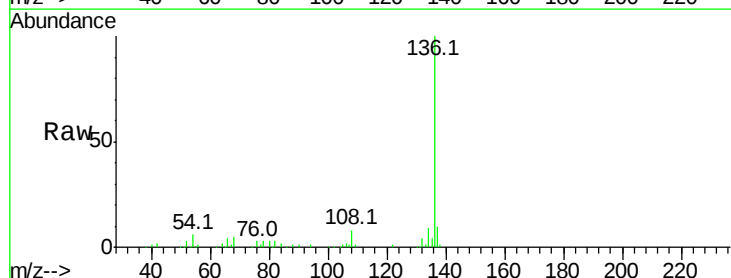
Ion Ratio Lower Upper

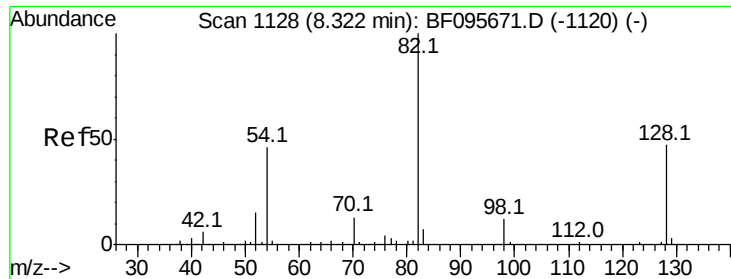
136 100

137 10.4 8.5 12.7

54 6.1 4.9 7.3

68 5.4 4.1 6.1

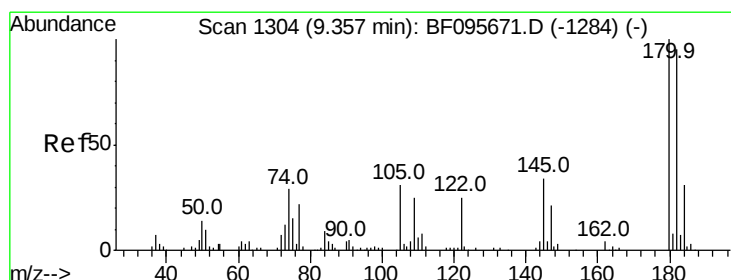
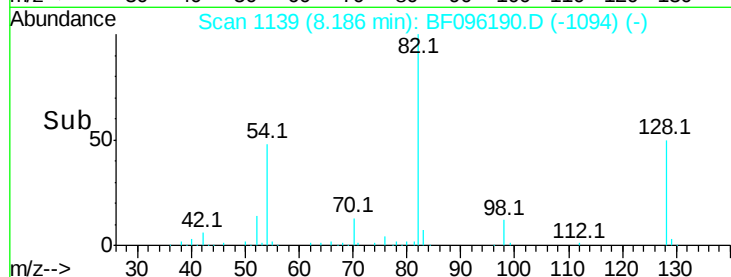
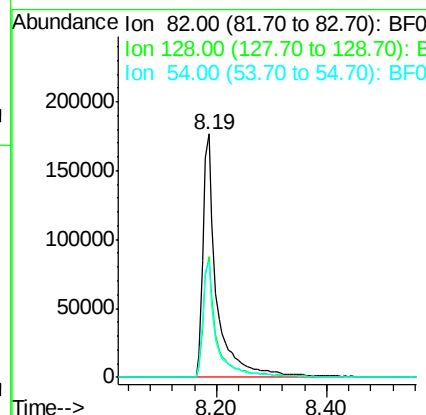
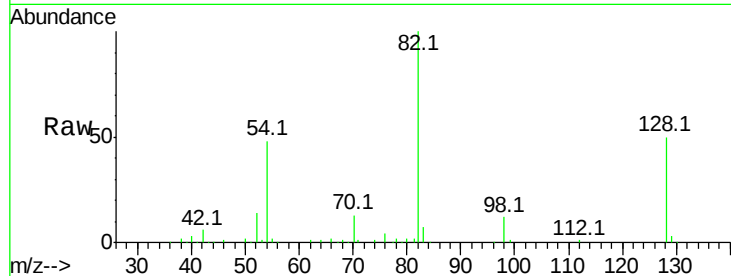




#23
 Nitrobenzene-d5
 Concen: 77.04 ng
 RT: 8.19 min Scan# 1139
 Delta R.T. -0.04 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

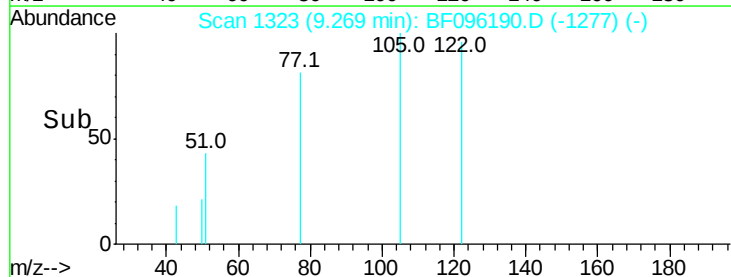
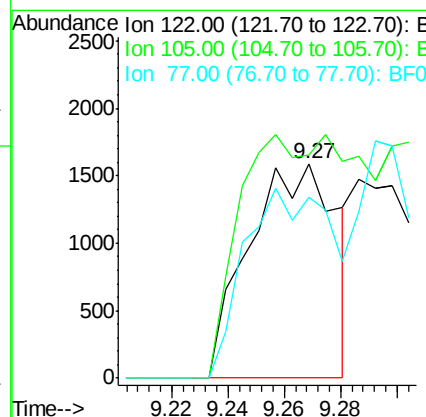
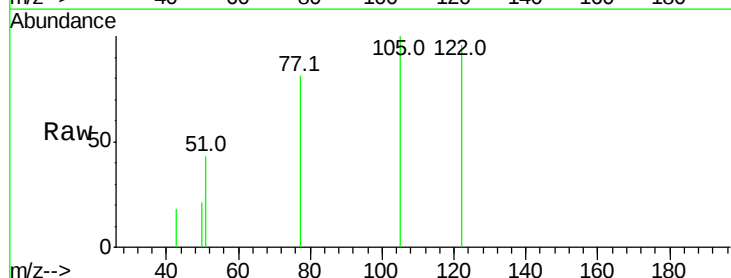
Instrument :
 BNA_F
 ClientSampled :

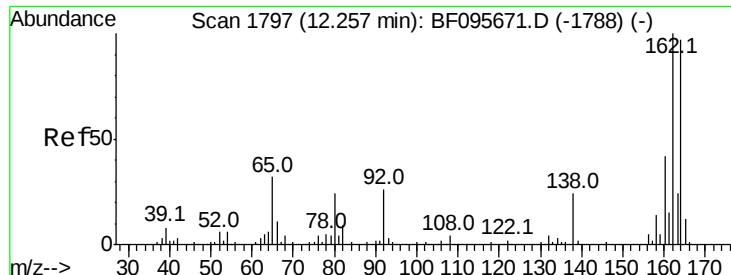
Tot Ion: 82 Resp: 308100
 Ion Ratio Lower Upper
 82 100
 128 49.6 34.0 51.0
 54 47.7 42.2 63.2



#32
 Benzoic acid
 Concen: 6.51 ng
 RT: 9.27 min Scan# 1323
 Delta R.T. -0.03 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

Tgt Ion:122 Resp: 3396
 Ion Ratio Lower Upper
 122 100
 105 103.9 103.3 143.3
 77 84.0 73.7 113.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.12 min Scan# 1807

Delta R.T. -0.04 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Instrument :

BNA_F

ClientSampled :

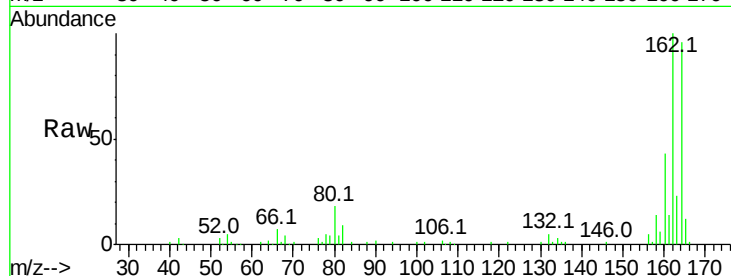
Tot Ion:164 Resp: 95279

Ion Ratio Lower Upper

164 100

162 103.8 82.6 123.8

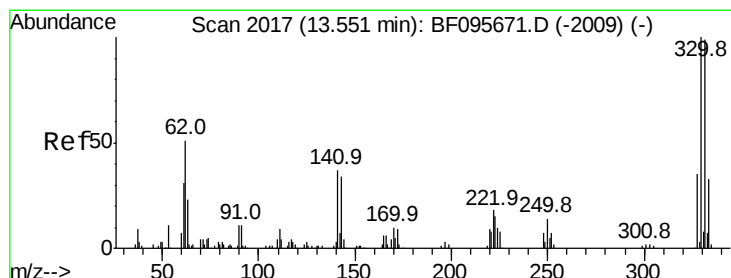
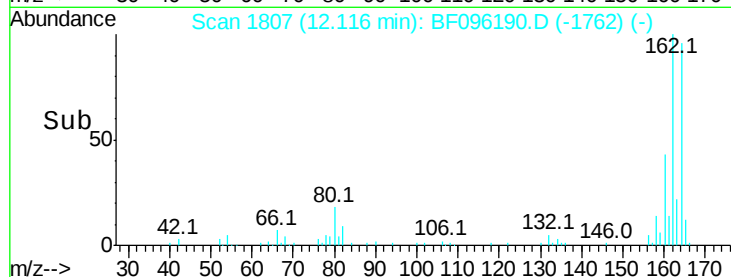
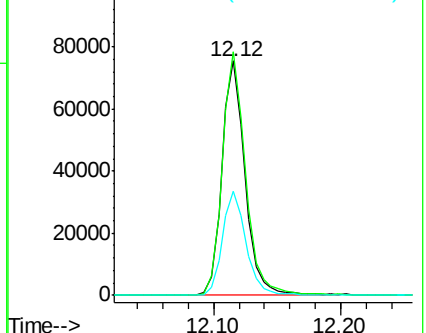
160 44.6 36.2 54.2



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: 95.70 ng

RT: 13.42 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

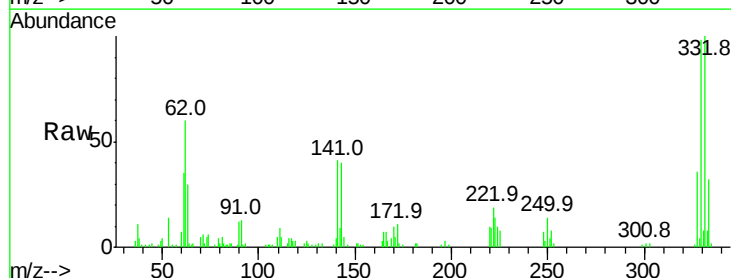
Tgt Ion:330 Resp: 80676

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

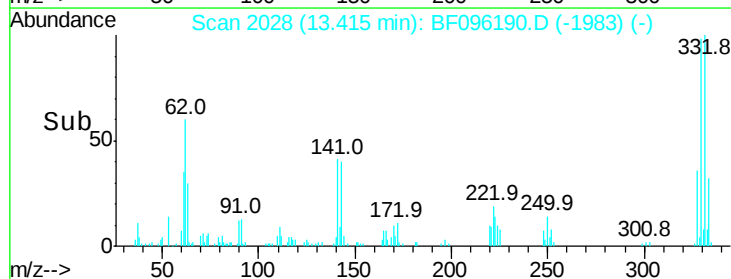
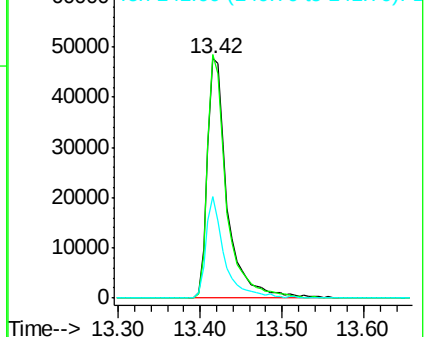
141 38.8 31.4 47.2

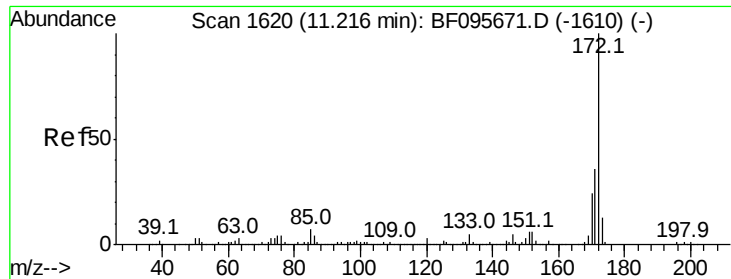


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

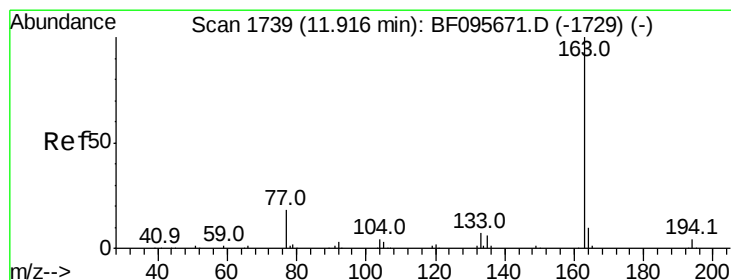
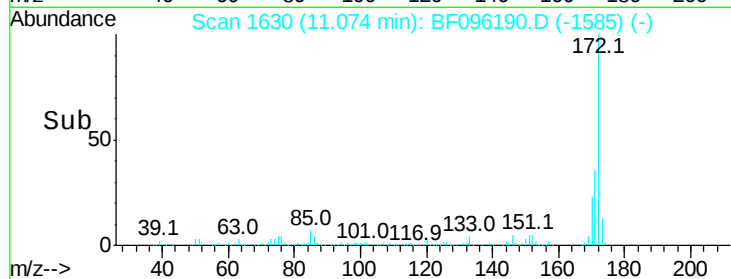
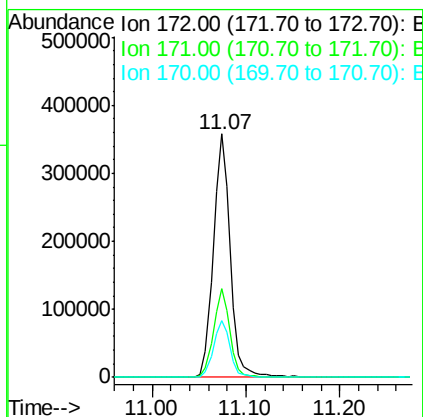
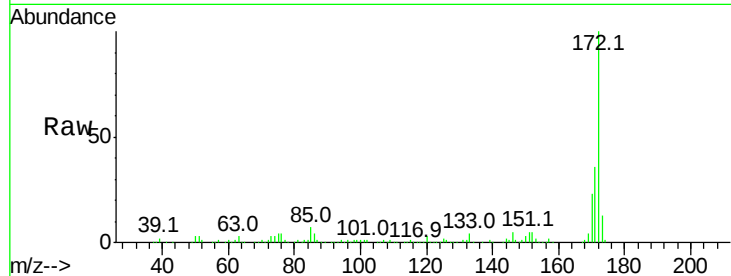




#44
2-Fluorobiphenyl
Concen: 66.40 ng
RT: 11.07 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

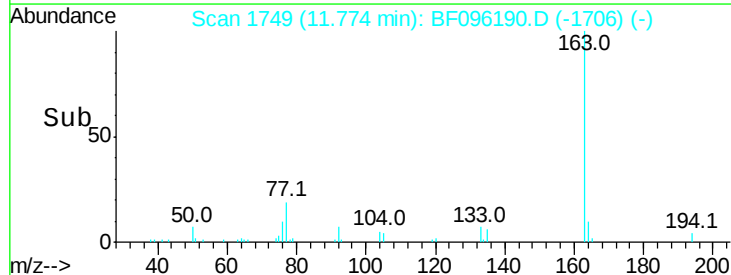
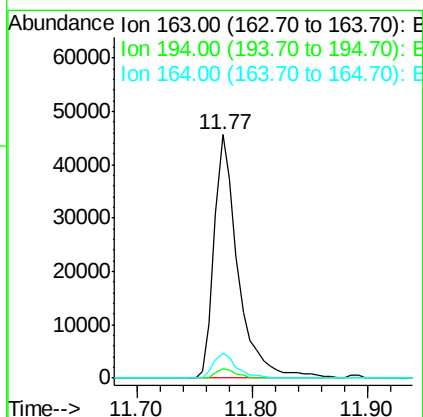
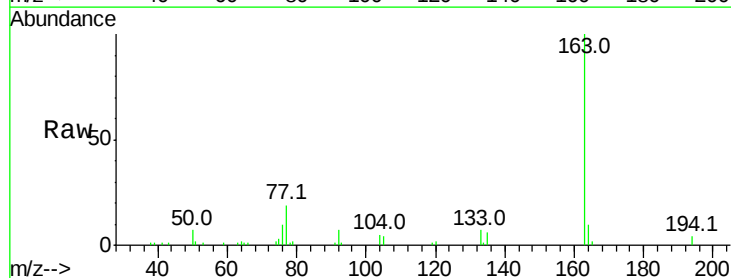
Instrument :
BNA_F
ClientSampled :

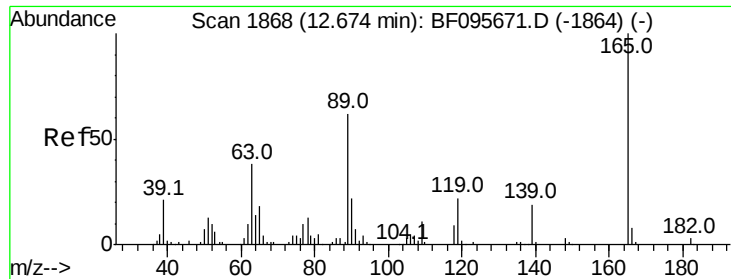
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.3	19.8	29.8



#49
Dimethylphthalate
Concen: 9.04 ng
RT: 11.77 min Scan# 1749
Delta R.T. -0.05 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	10.0	8.4	12.6

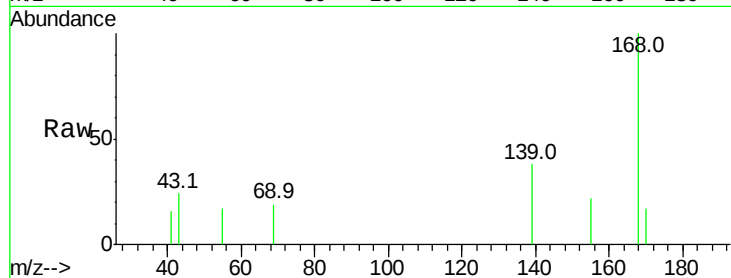




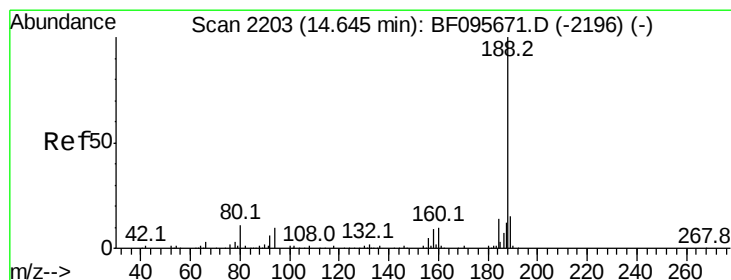
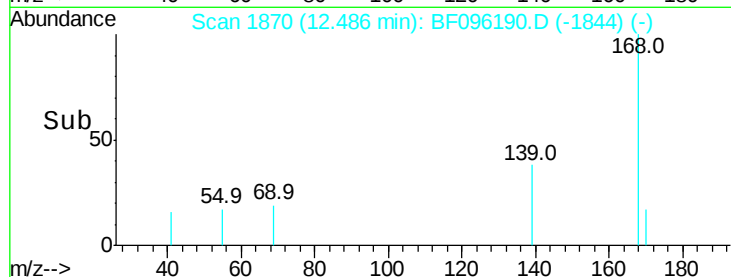
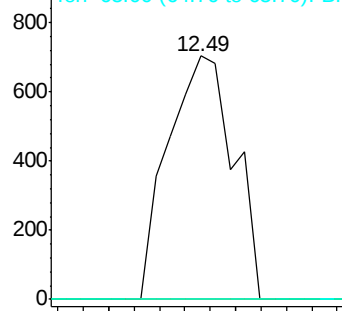
#55
4-Nitrophenol
Concen: 5.75 ng
RT: 12.49 min Scan# 1870
Delta R.T. -0.15 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 1276
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

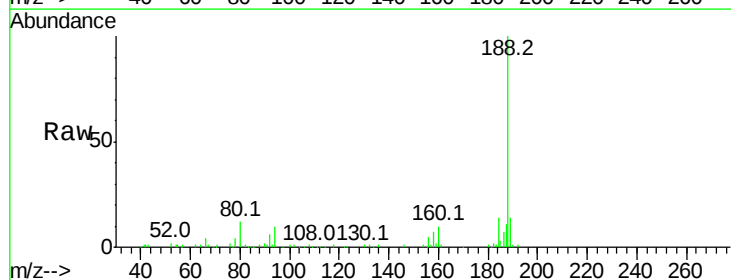


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

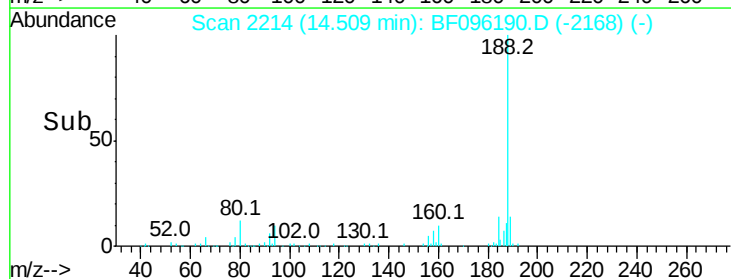
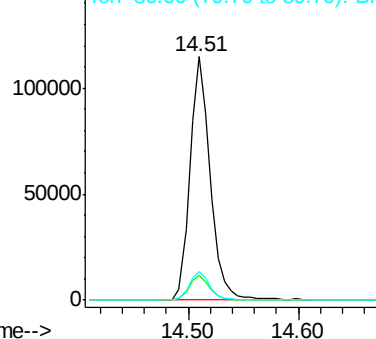


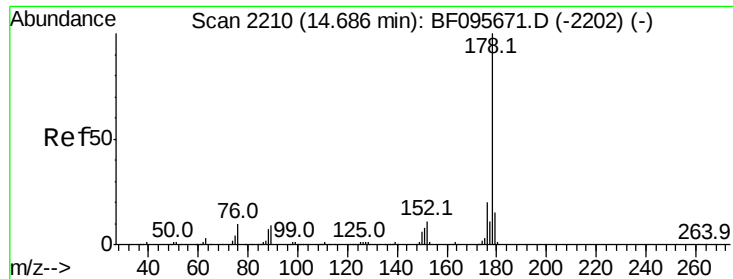
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.51 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Tgt Ion:188 Resp: 146923
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 11.5 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

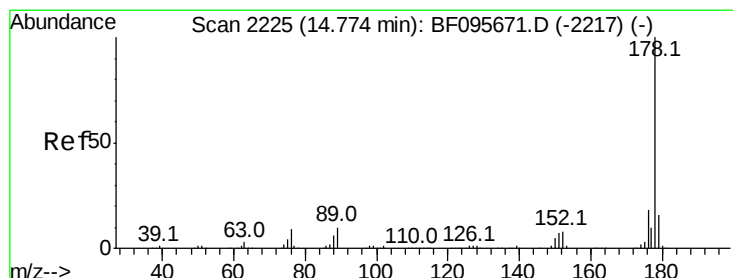
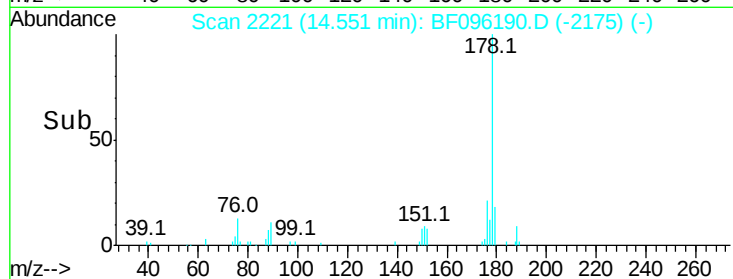
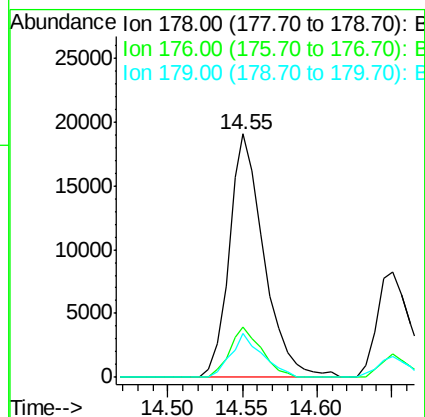
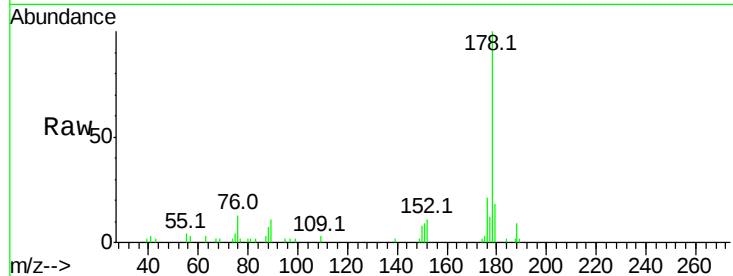




#70
Phenanthrene
Concen: 3.64 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.03 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

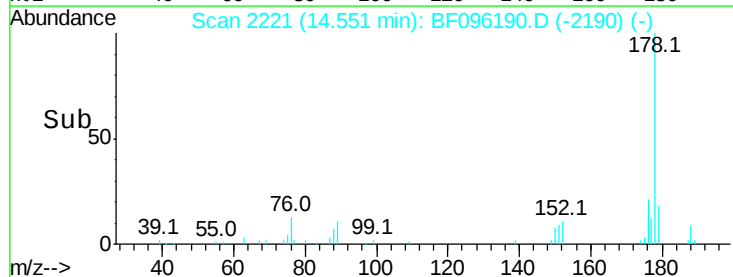
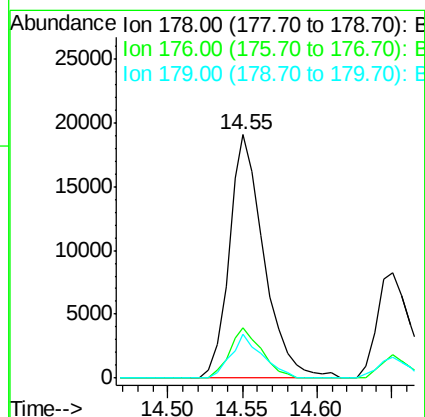
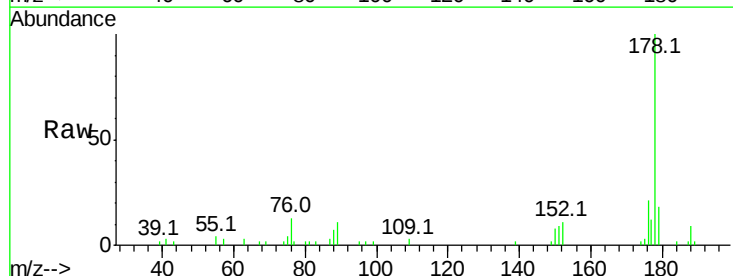
Instrument :
BNA_F
ClientSampleId :

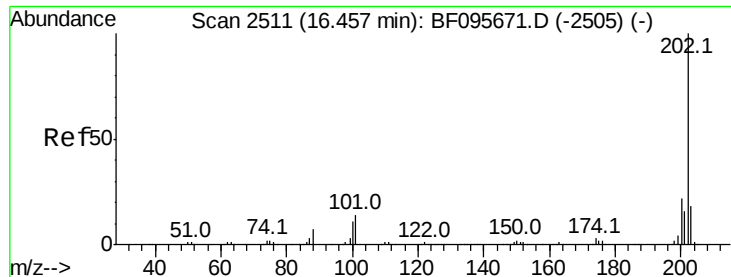
Tot Ion:178 Resp: 30879
Ion Ratio Lower Upper
178 100
176 20.8 16.2 24.4
179 17.9 12.6 19.0



#71
Anthracene
Concen: 3.49 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.12 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Tgt Ion:178 Resp: 30879
Ion Ratio Lower Upper
178 100
176 20.8 15.8 23.8
179 17.9 12.7 19.1

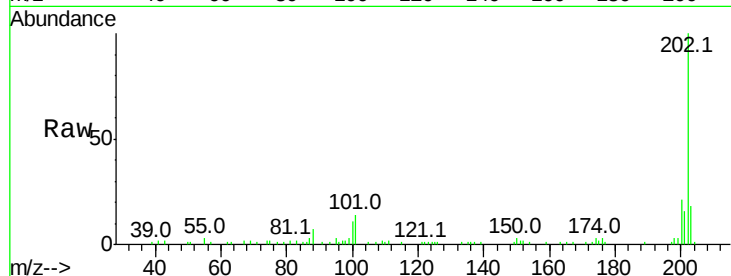




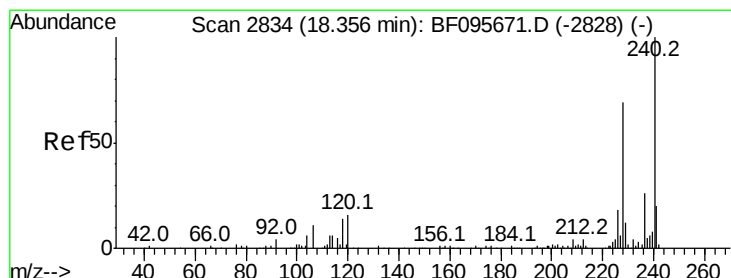
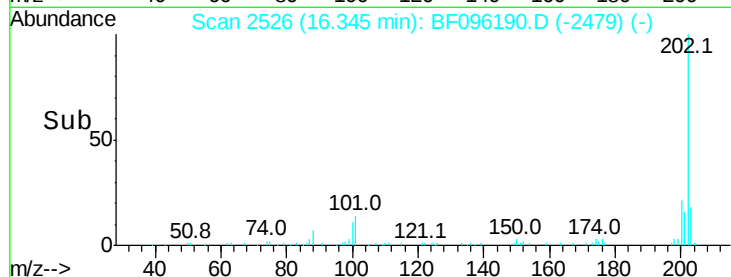
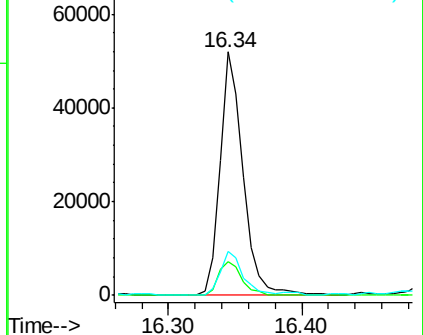
#74
 Fluoranthene
 Concen: 7.52 ng
 RT: 16.34 min Scan# 2526
 Delta R.T. -0.02 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 63095
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 33.2
 203 18.3 0.0 38.1

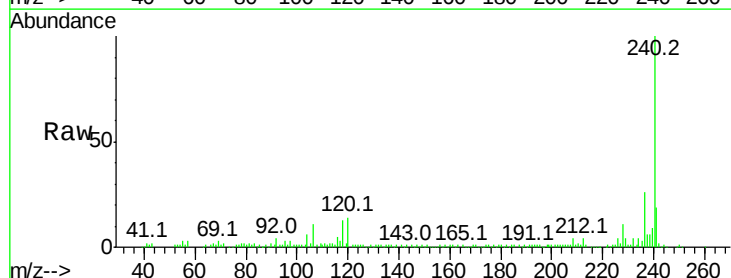


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

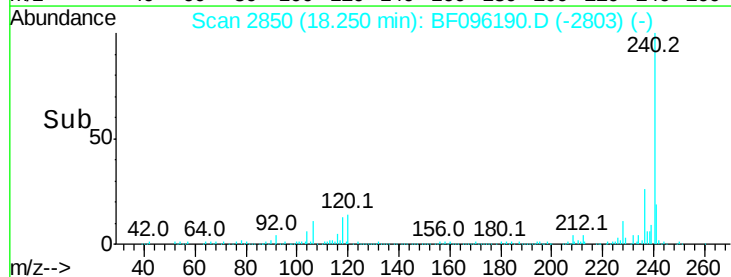
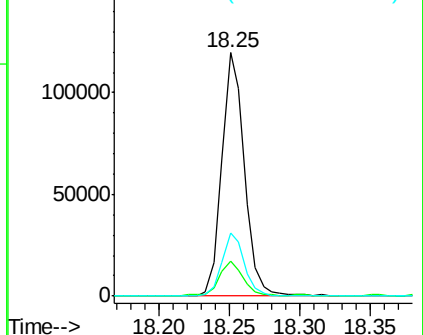


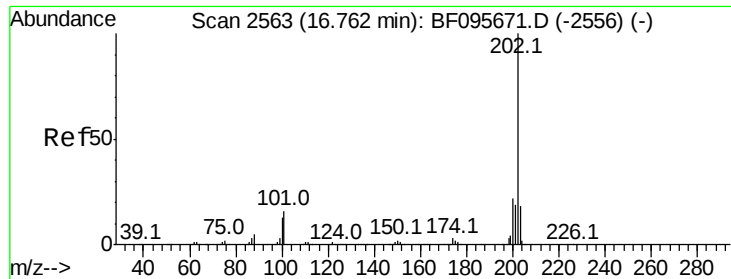
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.25 min Scan# 2850
 Delta R.T. -0.02 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

Tgt Ion:240 Resp: 133324
 Ion Ratio Lower Upper
 240 100
 120 14.4 5.8 8.8#
 236 25.8 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

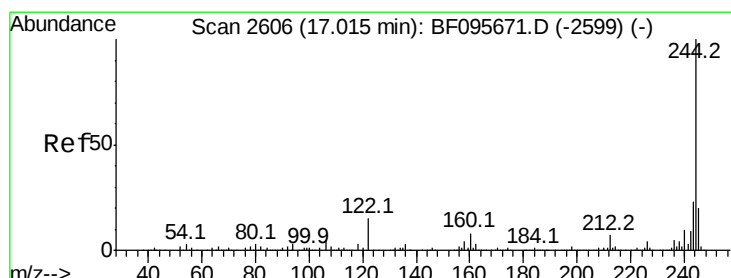
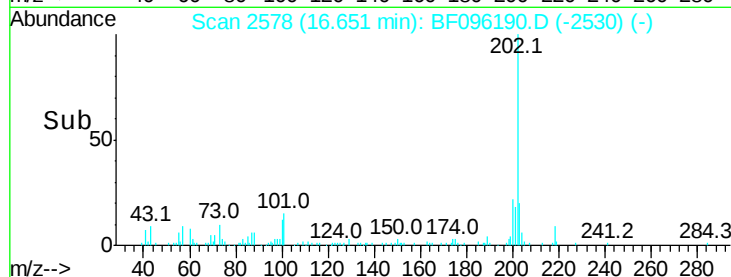
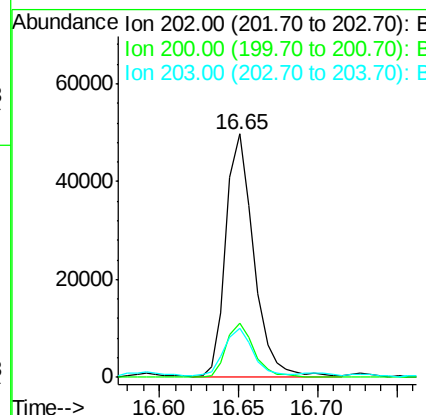
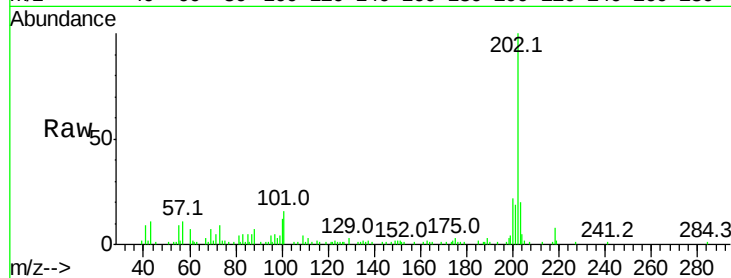




#77
 Pvrene
 Concen: 6.17 ng
 RT: 16.65 min Scan# 2578
 Delta R.T. -0.02 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

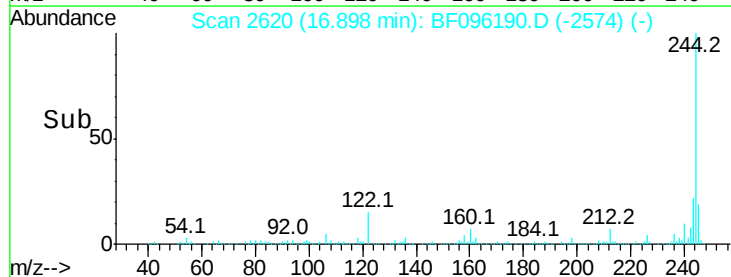
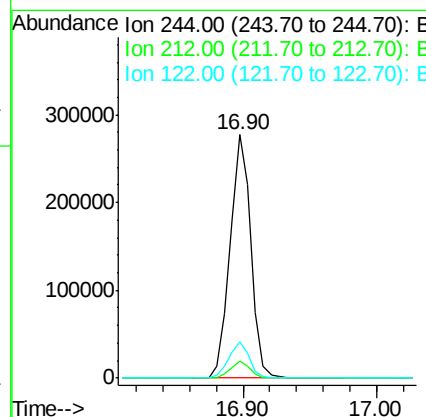
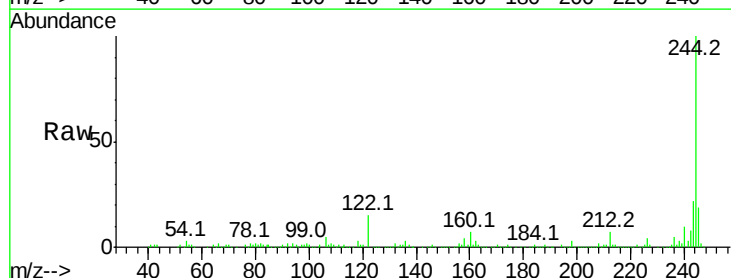
Instrument :
 BNA_F
 ClientSampleId :

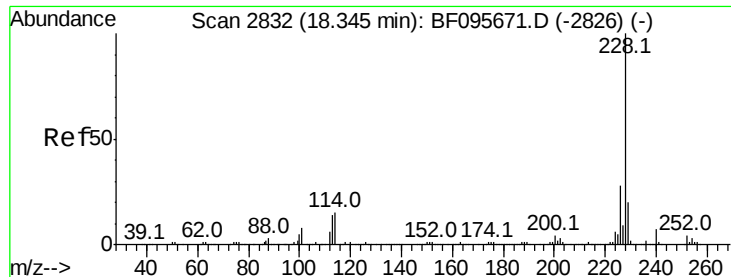
Tot Ion:202 Resp: 61346
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.6 26.4
 203 20.0 14.4 21.6



#78
 Terphenyl-d14
 Concen: 56.80 ng
 RT: 16.90 min Scan# 2620
 Delta R.T. -0.03 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

Tgt Ion:244 Resp: 305133
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 15.0 10.3 15.5





#80

Benzo(a)anthracene

Concen: 4.21 ng

RT: 18.24 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

Instrument :

BNA_F

ClientSampleId :

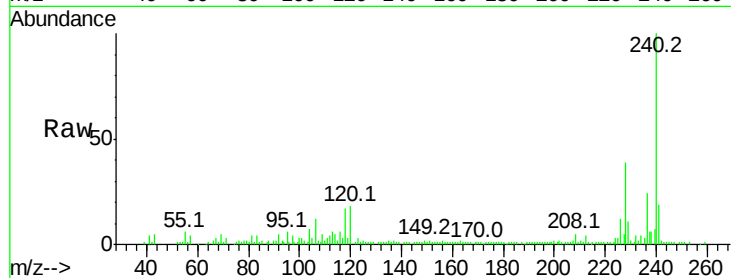
Tot Ion:228 Resp: 32599

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

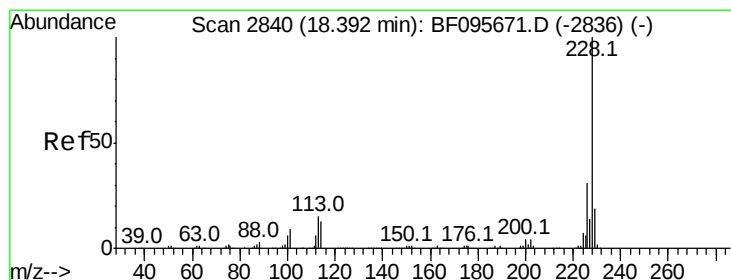
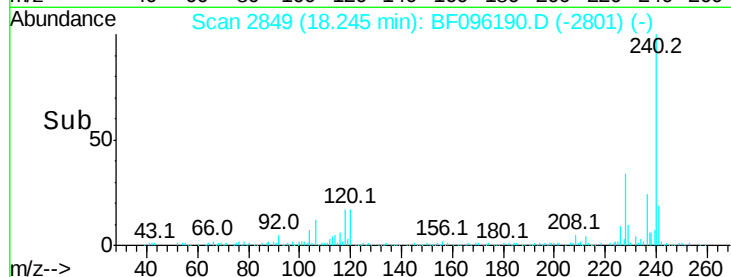
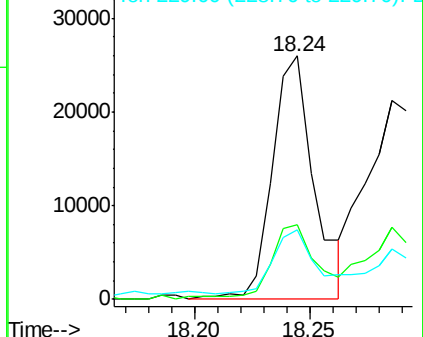
229 28.5 16.3 24.5#



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: 4.69 ng

RT: 18.29 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BF096190.D

Acq: 24 Jun 2017 15:04

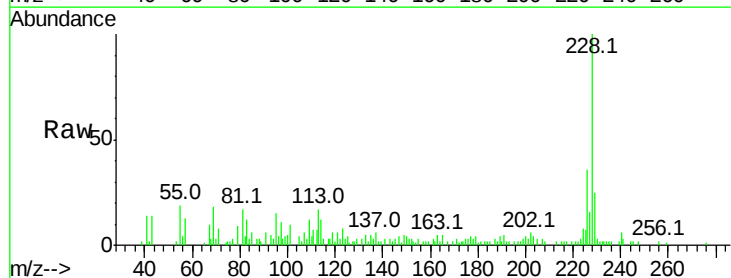
Tgt Ion:228 Resp: 36306

Ion Ratio Lower Upper

228 100

226 36.1 24.9 37.3

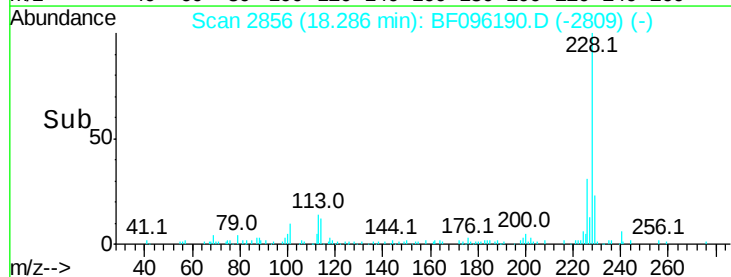
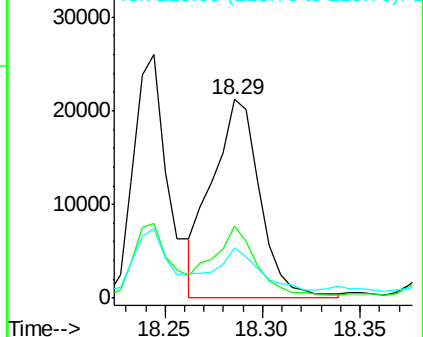
229 25.4 15.8 23.6#

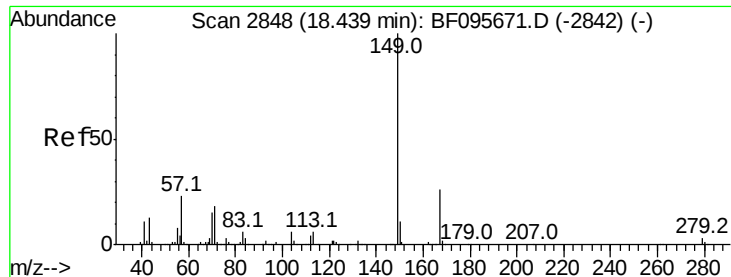


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

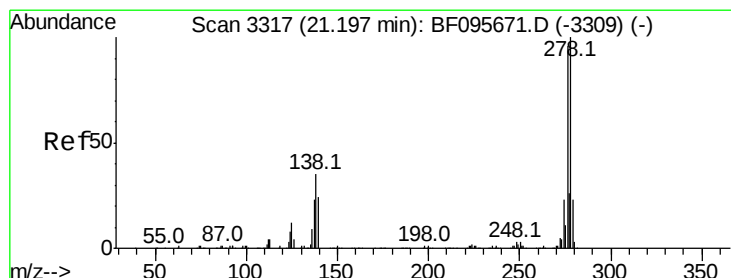
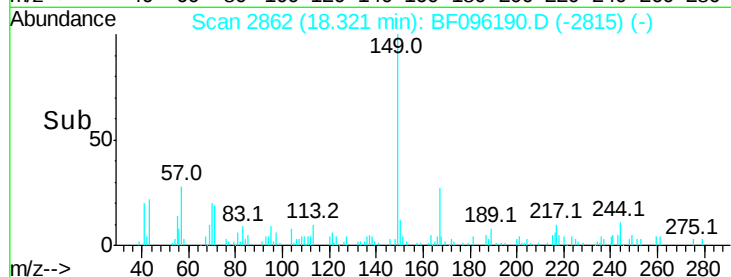
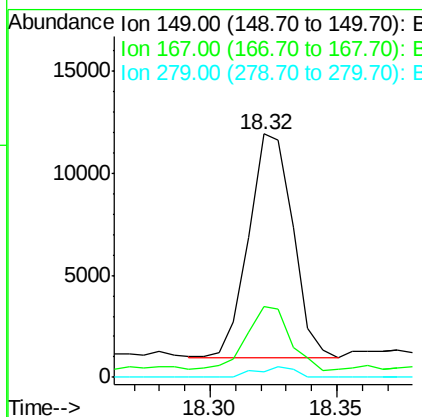
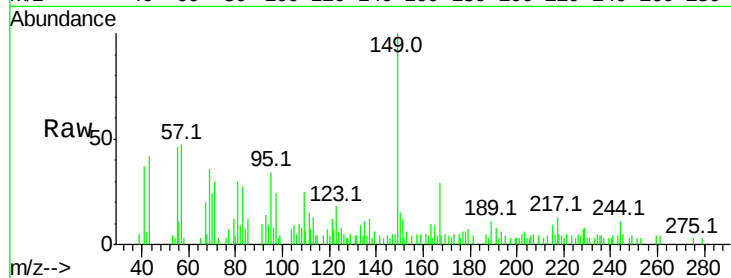




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.19 ng
 RT: 18.32 min Scan# 2862
 Delta R.T. -0.02 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

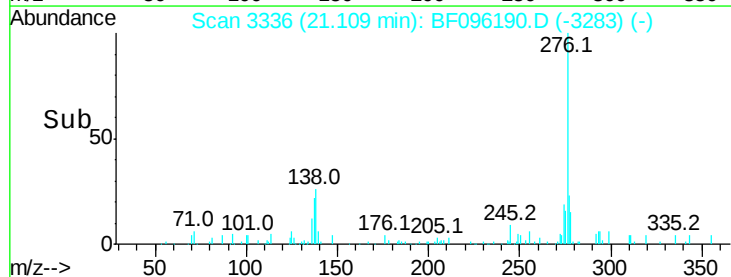
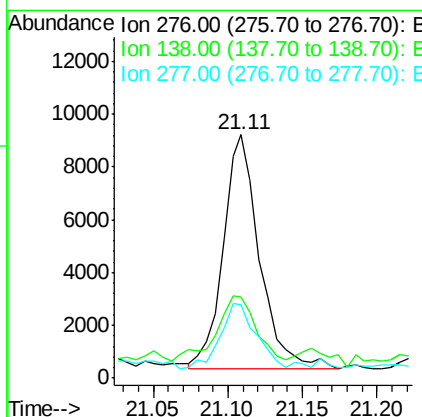
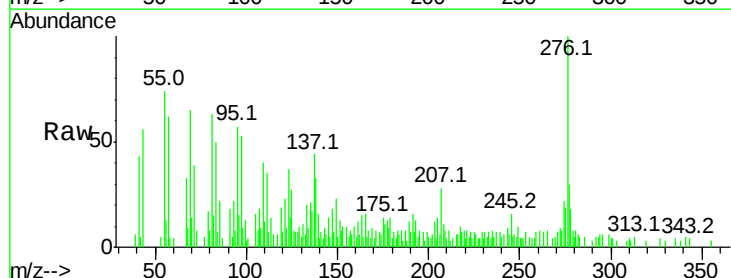
Instrument :
 BNA_F
 ClientSampleId :

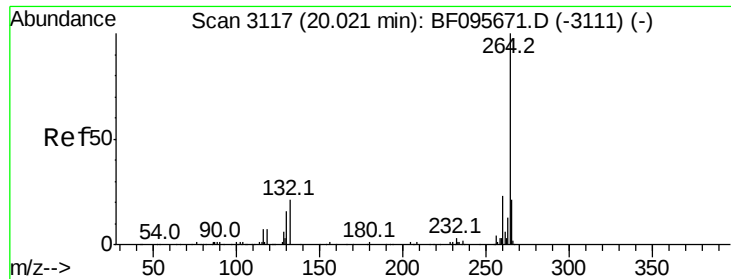
Tot Ion	149	Resp	13410
Ion Ratio	100	Lower	Upper
149	100		
167	29.0	21.0	31.4
279	2.5	1.9	2.9



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.28 ng
 RT: 21.11 min Scan# 3336
 Delta R.T. 0.01 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

Tgt Ion	276	Resp	15121
Ion Ratio	100	Lower	Upper
276	100		
138	31.1	27.8	41.6
277	27.4	20.2	30.4

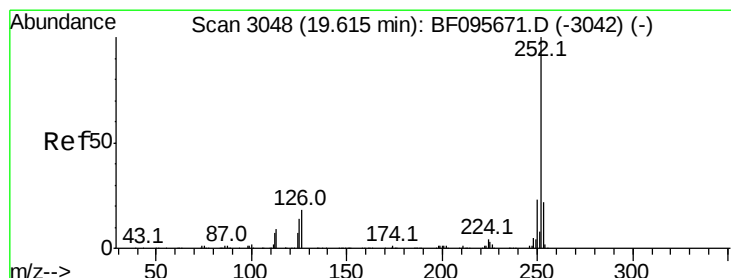
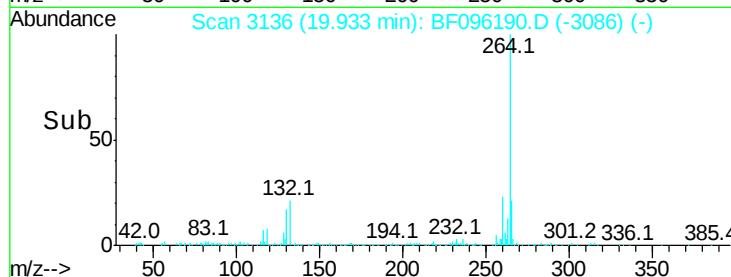
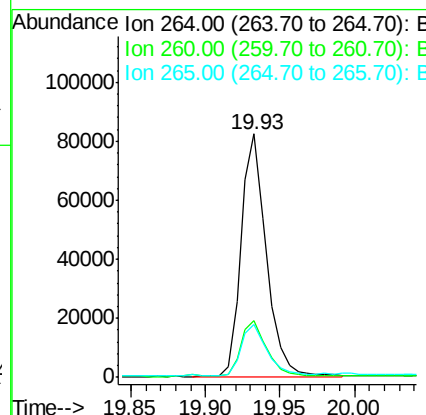
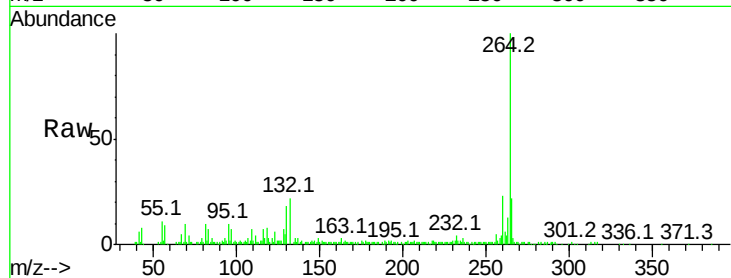




#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.93 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

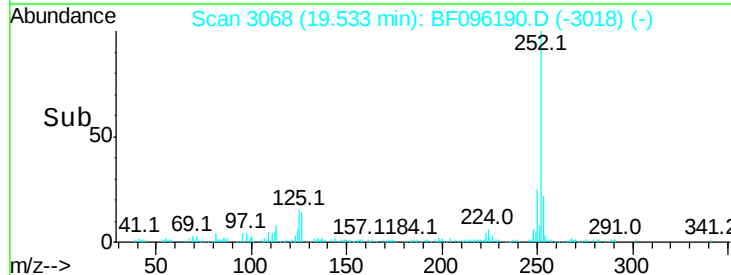
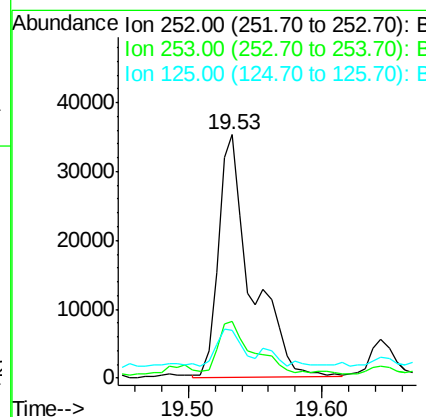
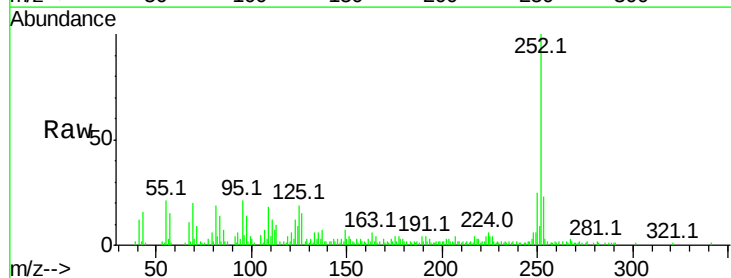
Instrument :
BNA_F
ClientSampled :

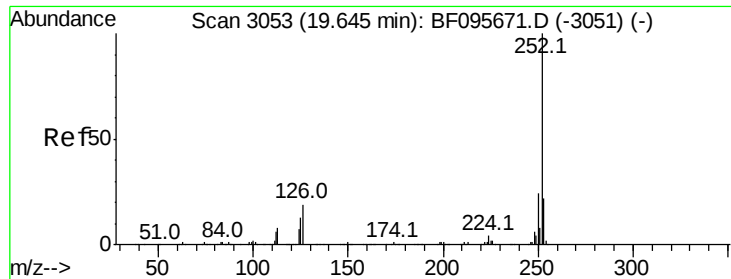
Tot Ion:264 Resp: 98464
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 21.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 9.74 ng
RT: 19.53 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Tgt Ion:252 Resp: 60052
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 19.5 9.8 14.8#

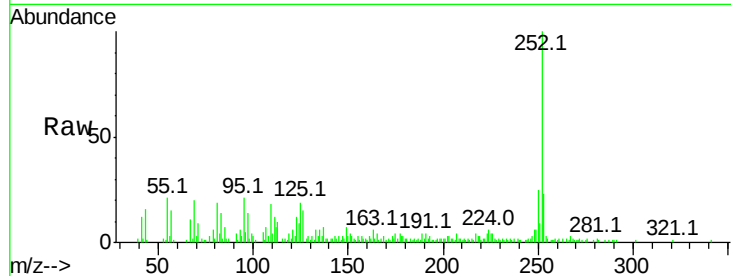




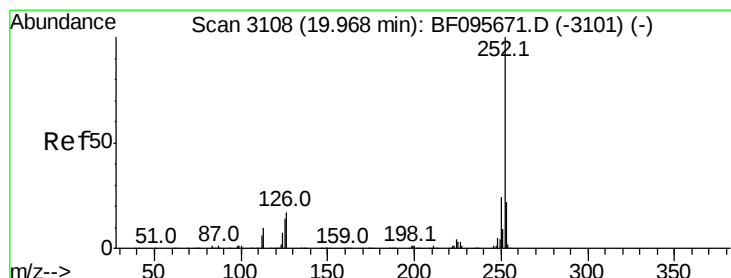
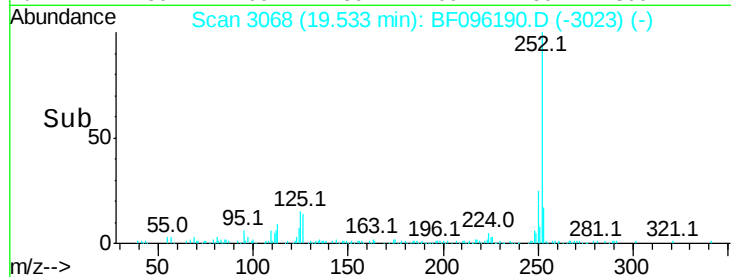
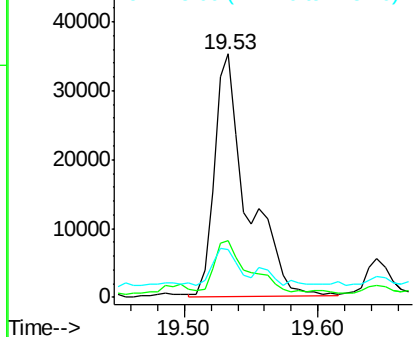
#88
Benzo(k)fluoranthene
Concen: 10.19 ng
RT: 19.53 min Scan# 3068
Delta R.T. -0.04 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 60052
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 19.5 13.1 19.7

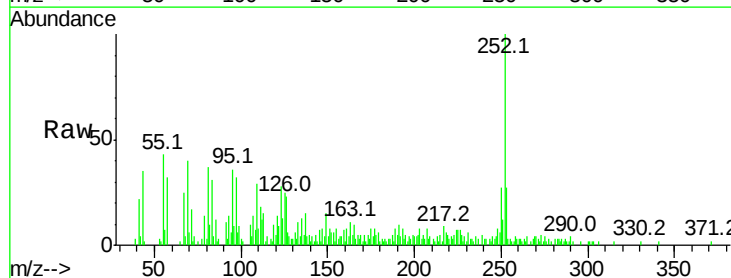


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

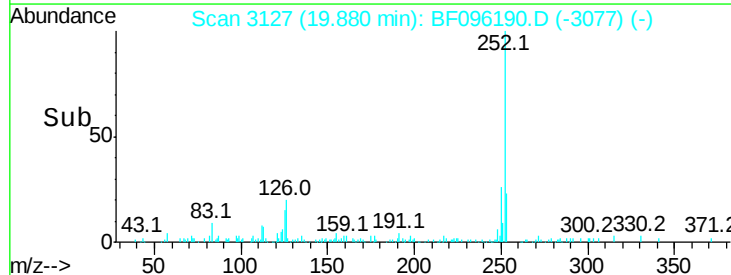
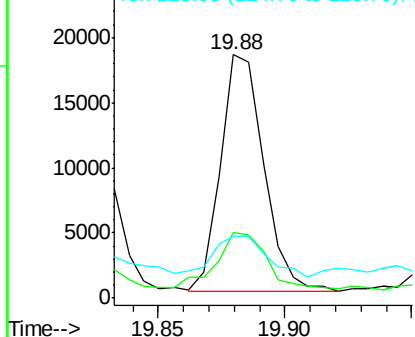


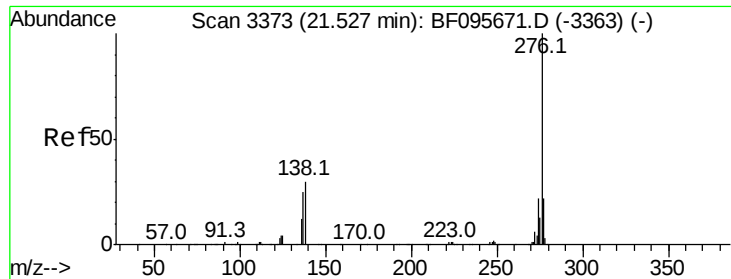
#89
Benzo(a)pyrene
Concen: 3.79 ng
RT: 19.88 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BF096190.D
Acq: 24 Jun 2017 15:04

Tgt Ion:252 Resp: 21494
Ion Ratio Lower Upper
252 100
253 27.0 17.5 26.3#
125 25.3 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: 3.13 ng
 RT: 21.43 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: BF096190.D
 Acq: 24 Jun 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 15322
 Ion Ratio Lower Upper
 276 100
 277 28.8 18.6 28.0#
 138 33.2 25.4 38.0

