

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
 Data File : BF095902.D
 Acq On : 13 Jun 2017 19:39
 Operator : SJ/MA
 Sample : I3643-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 04:11:36 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	70116	20.00	ng	-0.05
21) Naphthalene-d8	9.38	136	294662	20.00	ng	-0.05
38) Acenaphthene-d10	12.20	164	133939	20.00	ng	-0.06
63) Phenanthrene-d10	14.60	188	233277	20.00	ng	-0.05
75) Chrysene-d12	18.32	240	144116	20.00	ng	-0.04
86) Perylene-d12	19.99	264	121440	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	464528	105.57	ng	-0.04
7) Phenol-d6	6.91	99	573700	108.91	ng	-0.05
23) Nitrobenzene-d5	8.27	82	332967	70.18	ng	-0.05
41) 2,4,6-Tribromophenol	13.50	330	119382	100.74	ng	-0.05
44) 2-Fluorobiphenyl	11.16	172	654477	68.00	ng	-0.05
78) Terphenyl-d14	16.97	244	476420	82.04	ng	-0.04

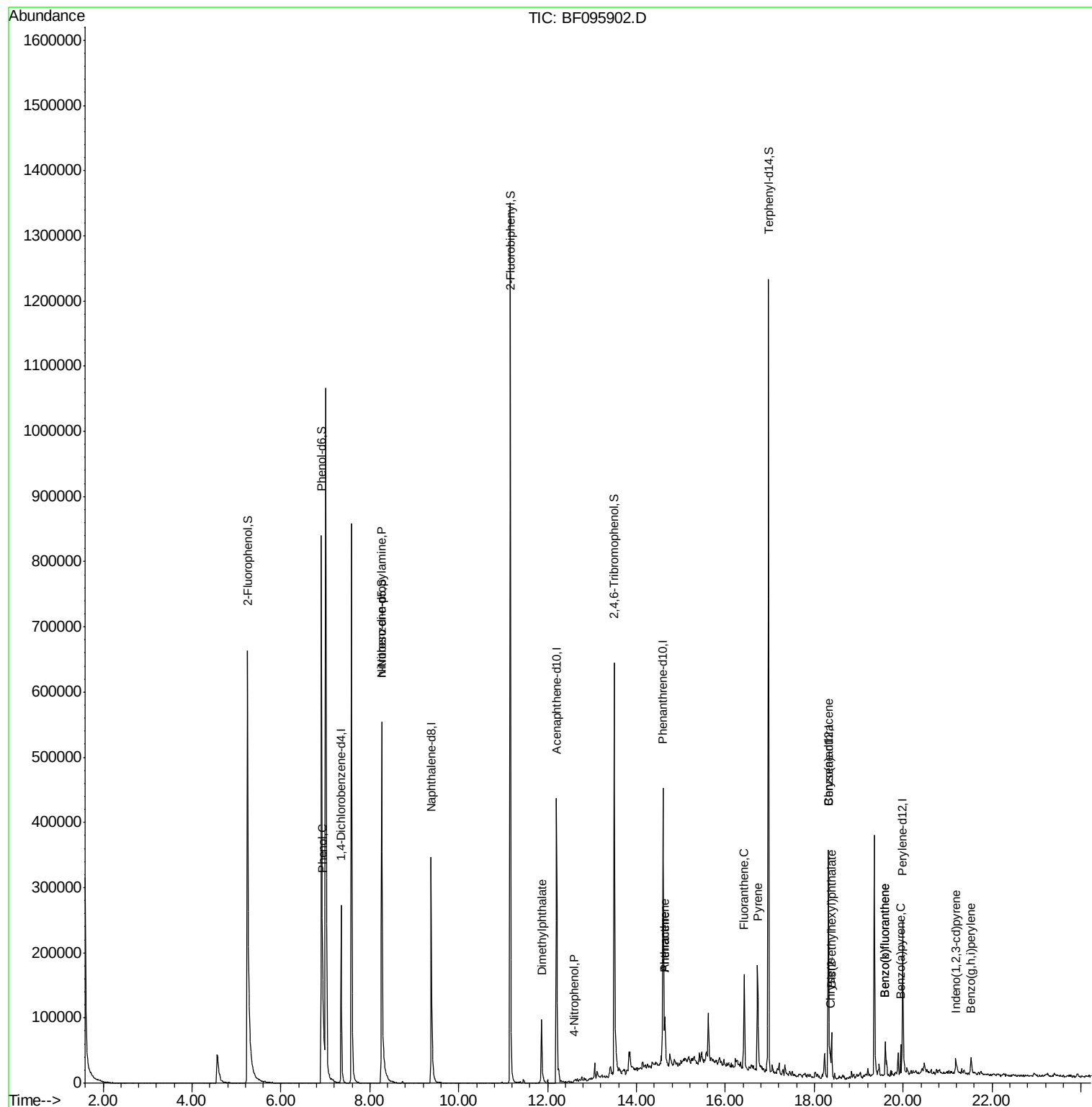
Target Compounds						Qvalue
10) Phenol	6.93	94	11777	2.16	ng	# 46
19) n-Nitroso-di-n-propylamine	8.27	70	39405	11.80	ng	# 77
49) Dimethylphthalate	11.86	163	78094	7.68	ng	99
55) 4-Nitrophenol	12.60	139	120	4.70	ng	# 25
70) Phenanthrene	14.64	178	48184	3.58	ng	97
71) Anthracene	14.64	178	48184	3.43	ng	97
74) Fluoranthene	16.42	202	86273	6.48	ng	100
77) Pyrene	16.73	202	75881	7.06	ng	96
80) Benzo(a)anthracene	18.31	228	25089	2.99	ng	99
82) Chrysene	18.36	228	26831	3.20	ng	98
83) Bis(2-ethylhexyl)phthalate	18.39	149	24878	3.76	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.19	276	16374	2.29	ng	97
87) Benzo(b)fluoranthene	19.60	252	30056	3.95	ng	# 96
88) Benzo(k)fluoranthene	19.60	252	30056	4.14	ng	99
89) Benzo(a)pyrene	19.94	252	20784	2.97	ng	# 92
91) Benzo(g,h,i)perylene	21.52	276	16459	2.72	ng	# 92

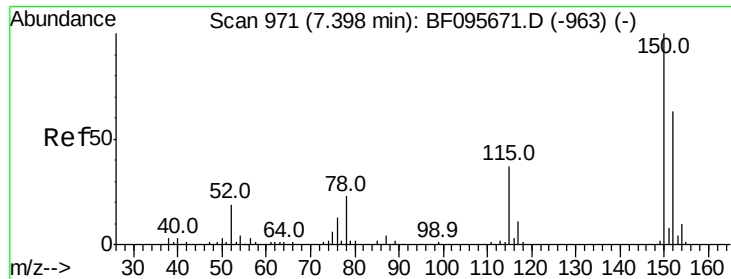
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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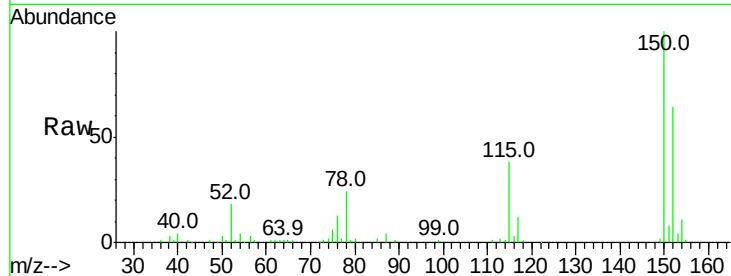


#1

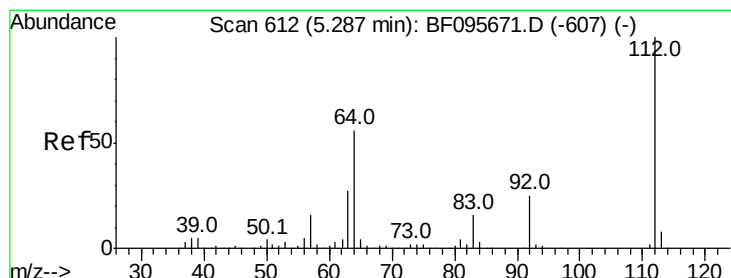
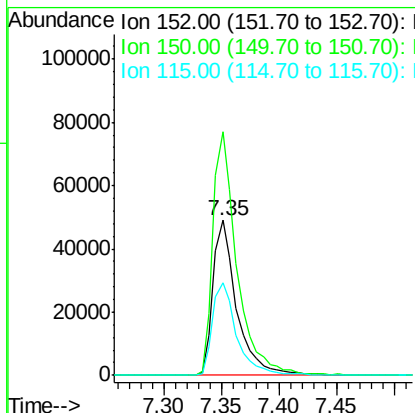
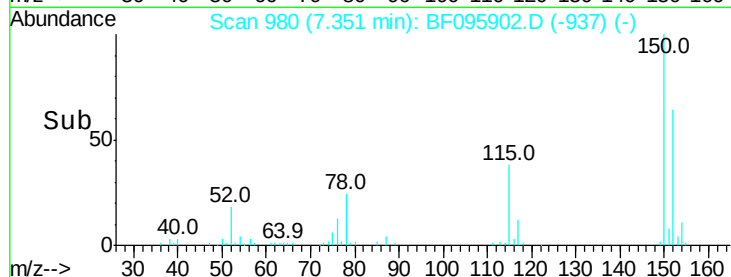
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 980
Delta R.T. -0.05 min
Lab File: BF095902.D
Acq: 13 Jun 2017 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 70116
Ion Ratio Lower Upper
152 100
150 157.1 126.2 189.2
115 59.6 52.2 78.2



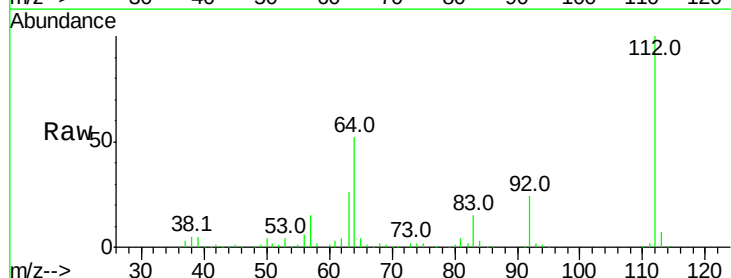
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



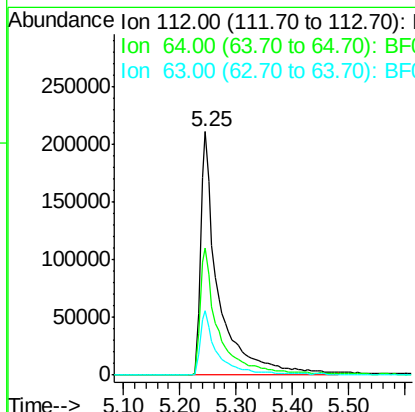
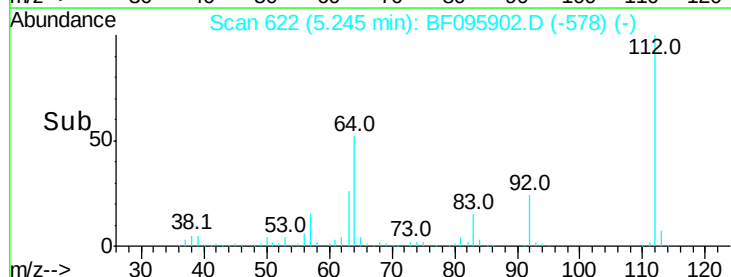
#5

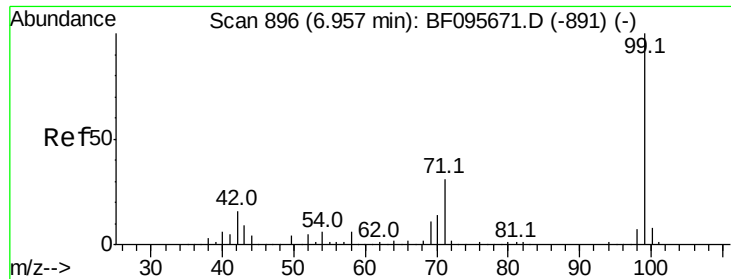
2-Fluorophenol
Concen: 105.57 ng
RT: 5.25 min Scan# 622
Delta R.T. -0.04 min
Lab File: BF095902.D
Acq: 13 Jun 2017 19:39

Tgt Ion:112 Resp: 464528
Ion Ratio Lower Upper
112 100
64 52.4 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: 108.91 ng

RT: 6.91 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF095902.D

Acq: 13 Jun 2017 19:39

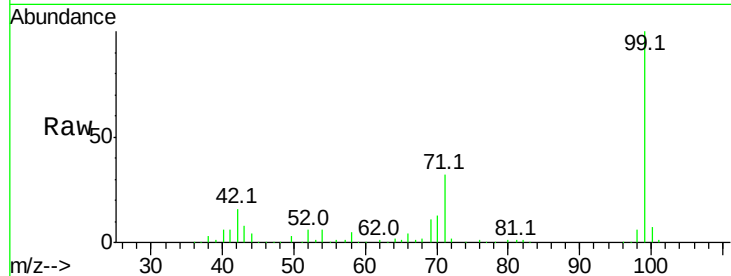
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 573700

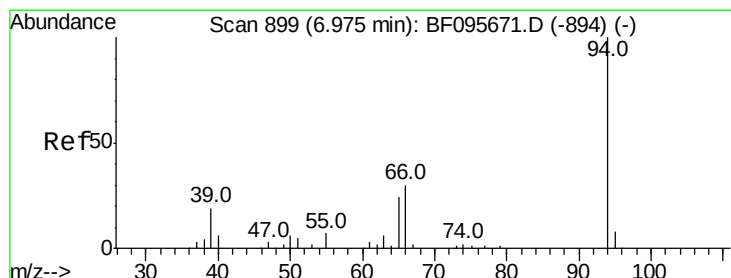
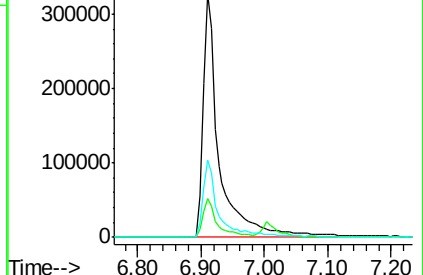
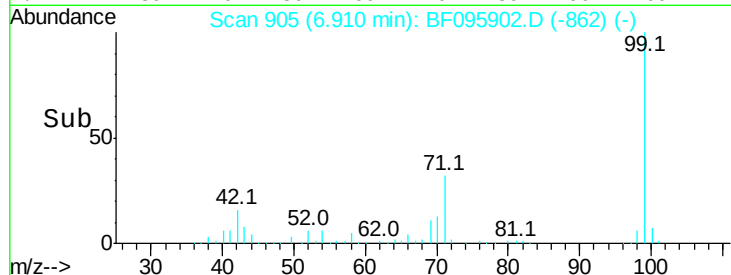
Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.5	20.3
71	31.6	24.5	36.7



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



#10

Phenol

Concen: 2.16 ng

RT: 6.93 min Scan# 909

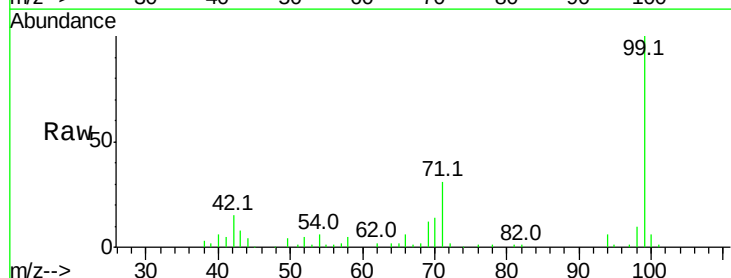
Delta R.T. -0.04 min

Lab File: BF095902.D

Acq: 13 Jun 2017 19:39

Tgt Ion: 94 Resp: 11777

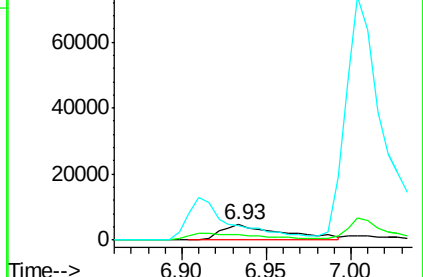
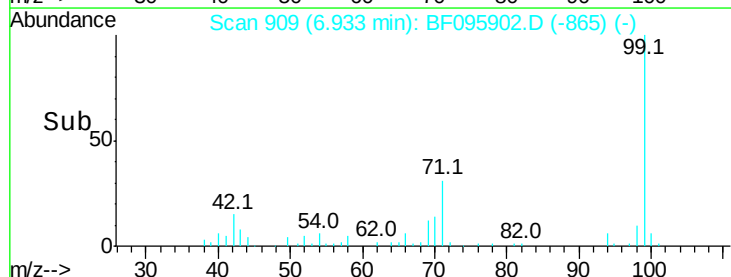
Ion	Ratio	Lower	Upper
94	100		
65	36.4	9.9	49.9
66	96.6	23.1	63.1

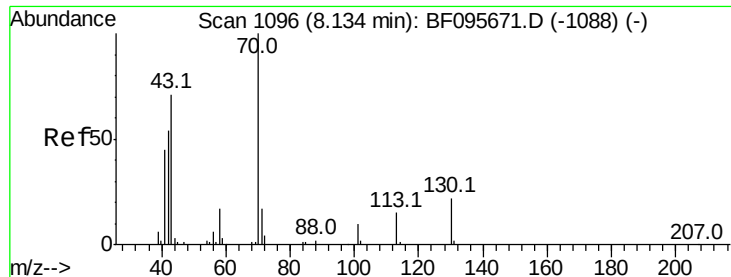


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 11.80 ng

RT: 8.27 min Scan# 1136

Delta R.T. 0.14 min

Lab File: BF095902.D

Acq: 13 Jun 2017 19:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 39405

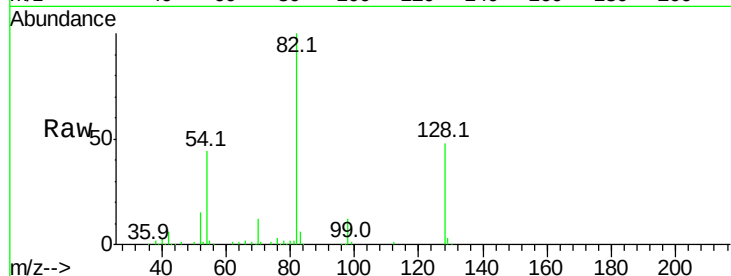
Ion Ratio Lower Upper

70 100

42 45.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

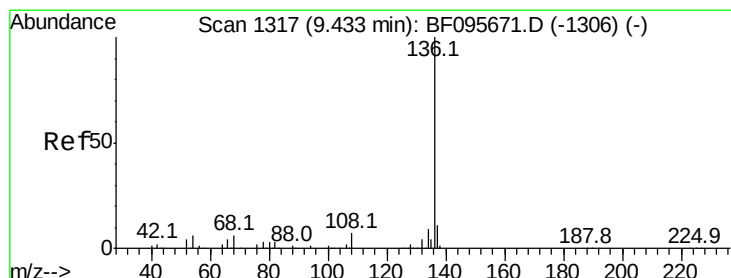
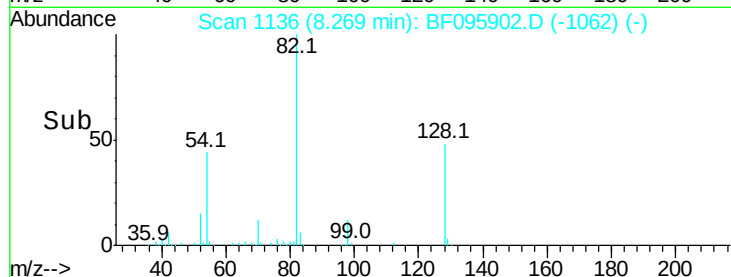
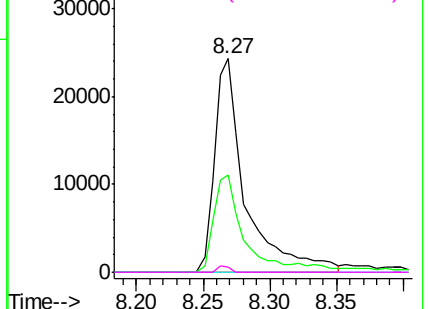


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.38 min Scan# 1325

Delta R.T. -0.05 min

Lab File: BF095902.D

Acq: 13 Jun 2017 19:39

Tgt Ion:136 Resp: 294662

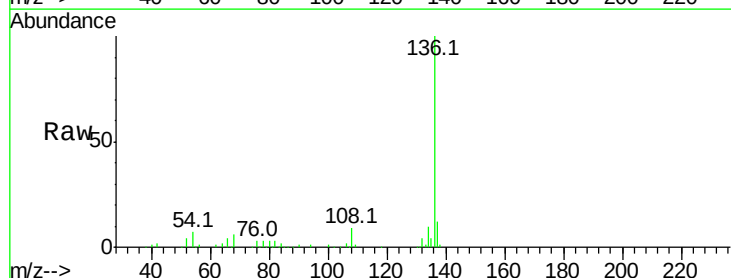
Ion Ratio Lower Upper

136 100

137 11.6 8.5 12.7

54 6.7 4.9 7.3

68 5.6 4.1 6.1

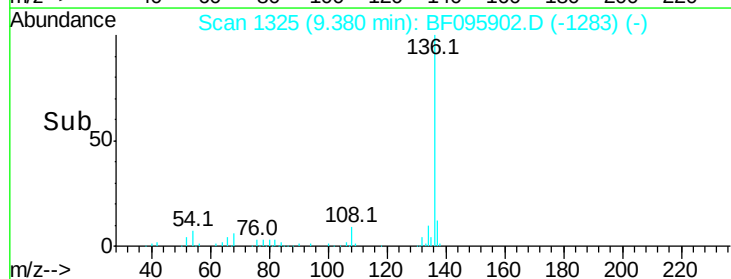
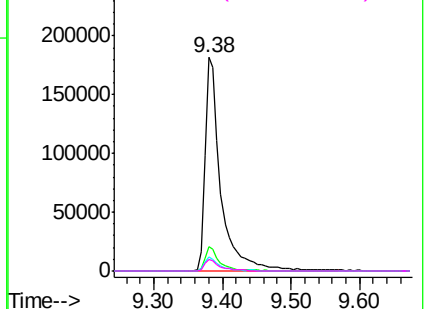


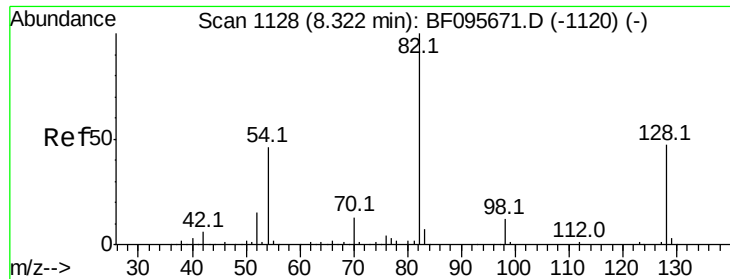
Abundance Ion 136.00 (135.70 to 136.70): E

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

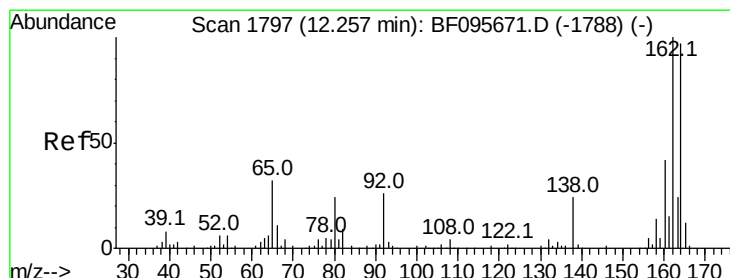
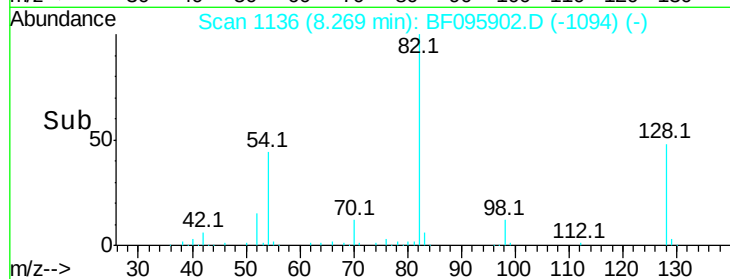
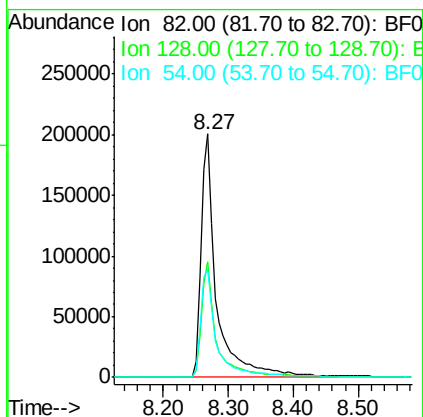
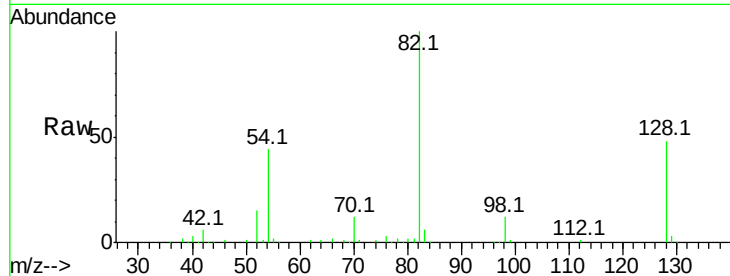




#23
Nitrobenzene-d5
Concen: 70.18 ng
RT: 8.27 min Scan# 1136
Delta R.T. -0.05 min
Lab File: BF095902.D
Acq: 13 Jun 2017 19:39

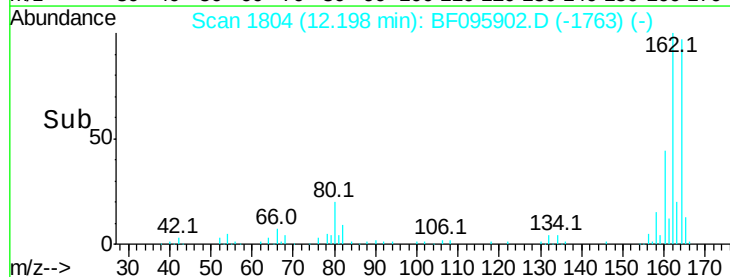
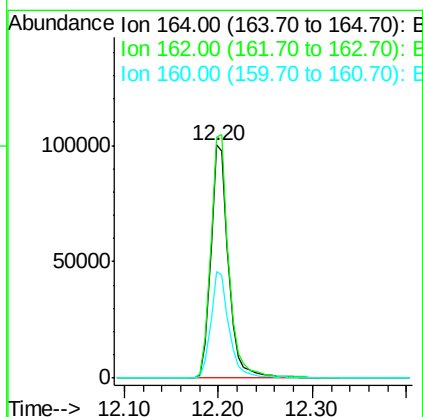
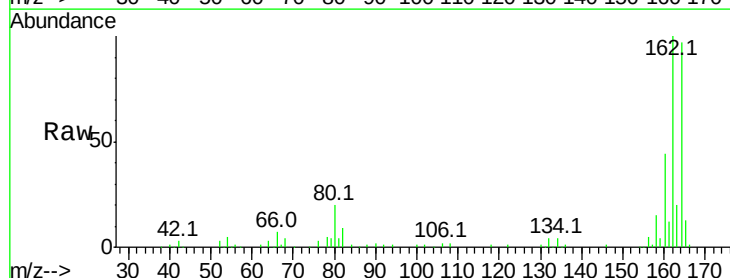
Instrument :
BNA_F
ClientSampled :

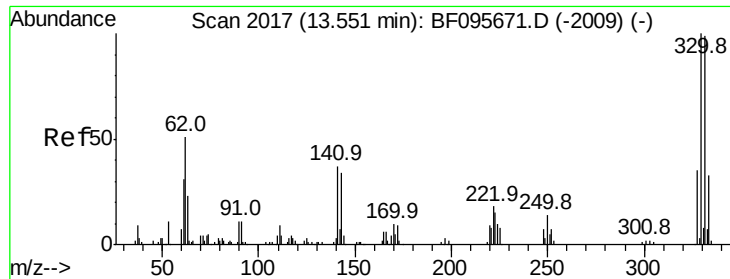
Tot Ion: 82 Resp: 332967
Ion Ratio Lower Upper
82 100
128 47.5 34.0 51.0
54 44.4 42.2 63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.20 min Scan# 1804
Delta R.T. -0.06 min
Lab File: BF095902.D
Acq: 13 Jun 2017 19:39

Tgt Ion:164 Resp: 133939
Ion Ratio Lower Upper
164 100
162 103.5 82.6 123.8
160 45.7 36.2 54.2

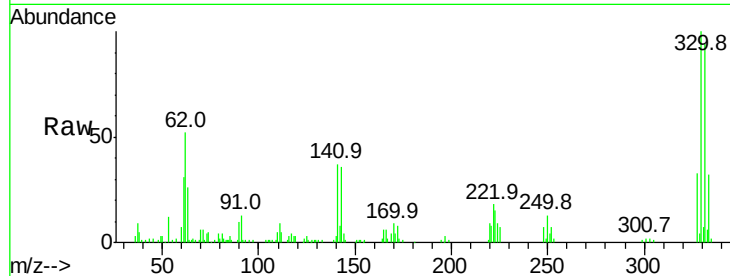




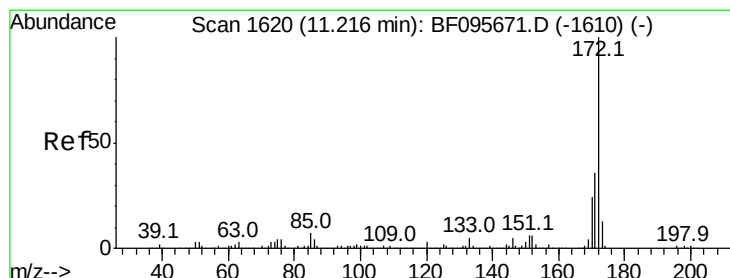
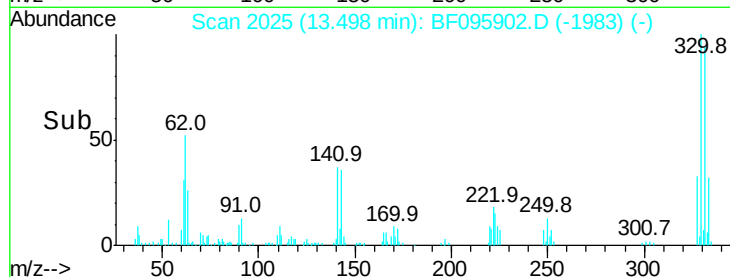
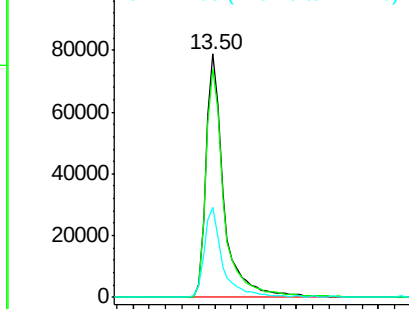
#41
 2,4,6-Tribromophenol
 Concen: 100.74 ng
 RT: 13.50 min Scan# 2025
 Delta R.T. -0.05 min
 Lab File: BF095902.D
 Acq: 13 Jun 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 119382
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 38.2 31.4 47.2

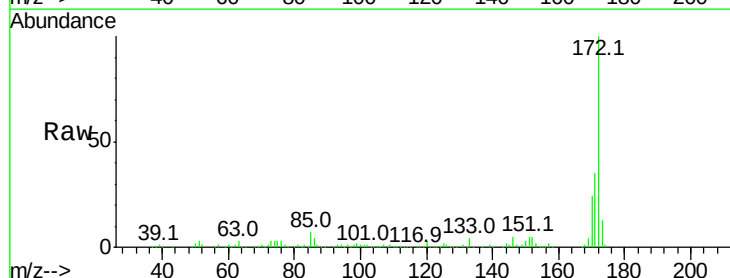


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

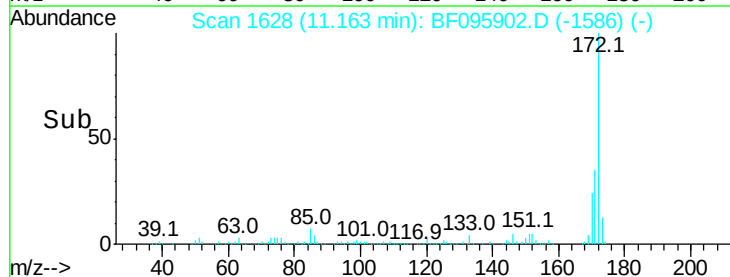
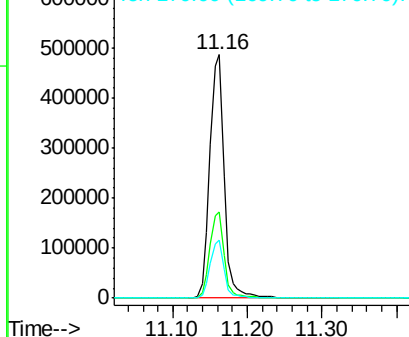


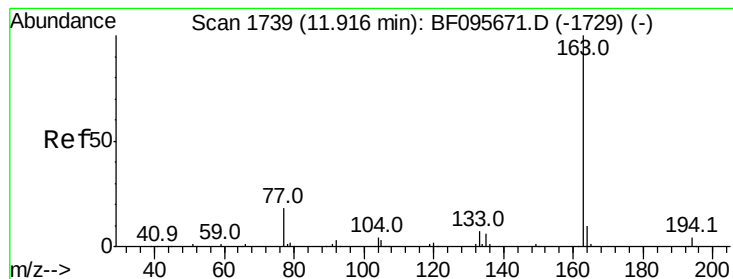
#44
 2-Fluorobiphenyl
 Concen: 68.00 ng
 RT: 11.16 min Scan# 1628
 Delta R.T. -0.05 min
 Lab File: BF095902.D
 Acq: 13 Jun 2017 19:39

Tgt Ion:172 Resp: 654477
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 23.9 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.68 ng

RT: 11.86 min Scan# 1747

Delta R.T. -0.05 min

Lab File: BF095902.D

Acq: 13 Jun 2017 19:39

Instrument :

BNA_F

ClientSampleId :

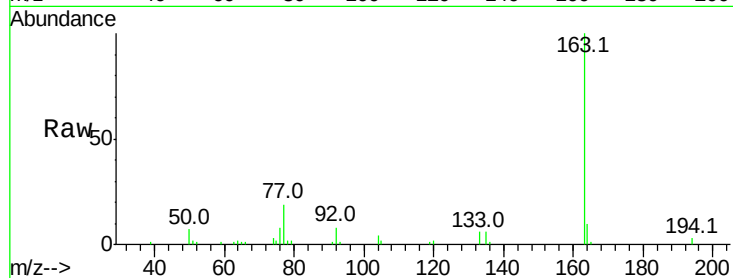
Tot Ion:163 Resp: 78094

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

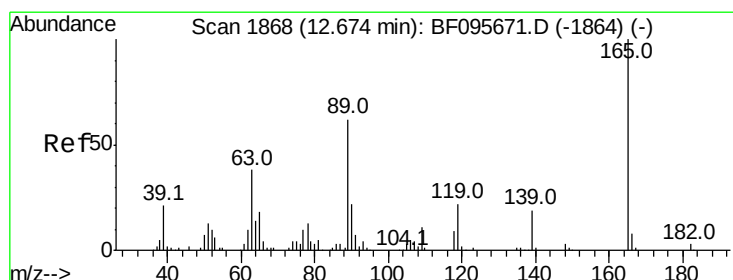
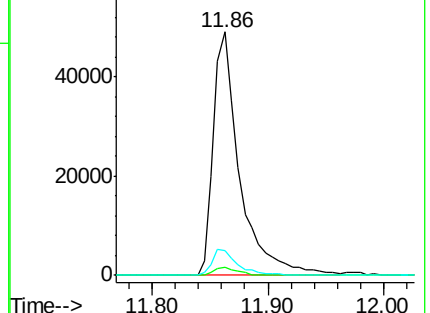
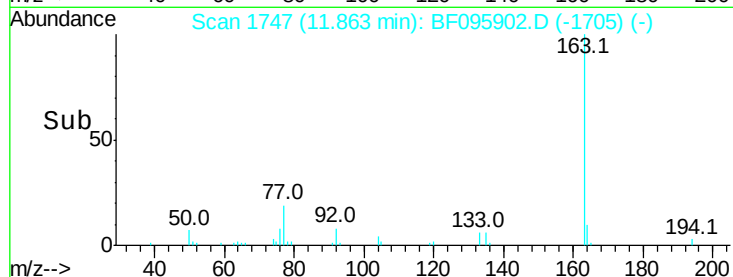
164 10.1 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#55

4-Nitrophenol

Concen: 4.70 ng

RT: 12.60 min Scan# 1872

Delta R.T. -0.08 min

Lab File: BF095902.D

Acq: 13 Jun 2017 19:39

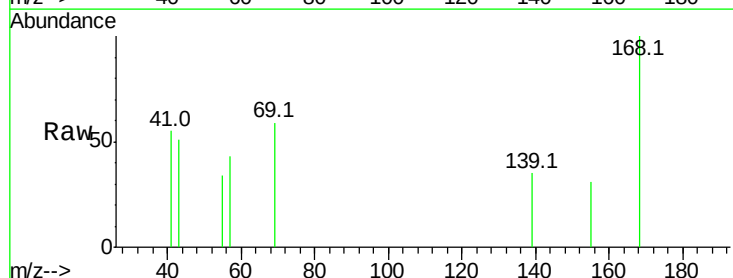
Tgt Ion:139 Resp: 120

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

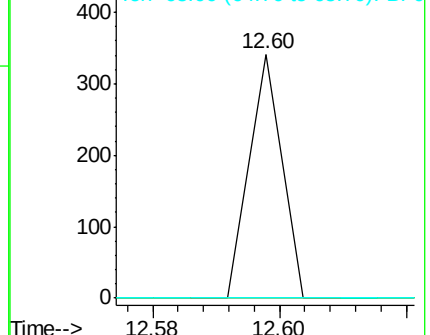
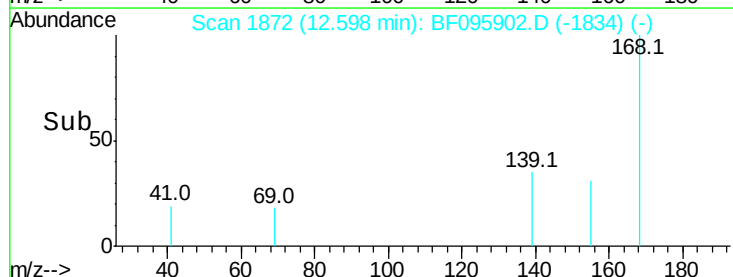
65 0.0 31.4 71.4#

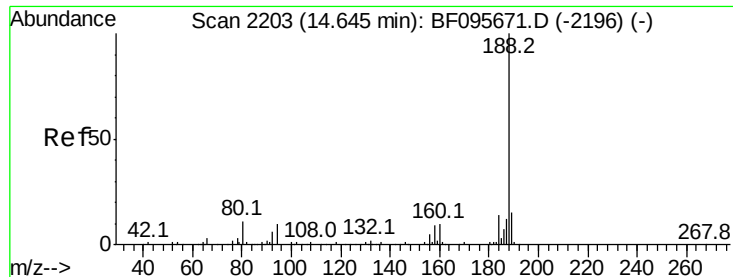


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

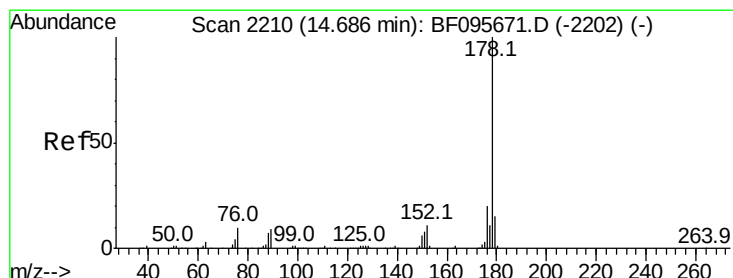
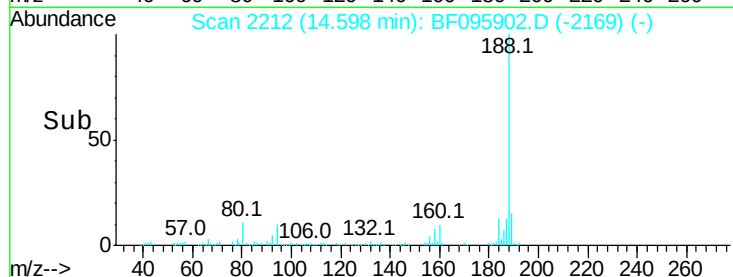
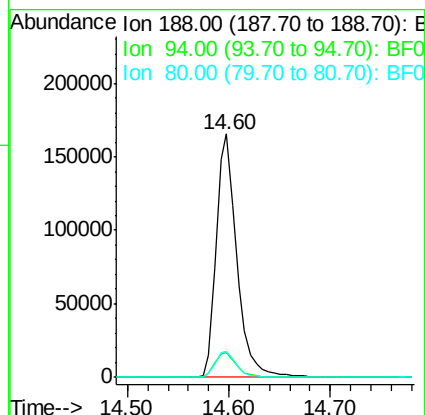
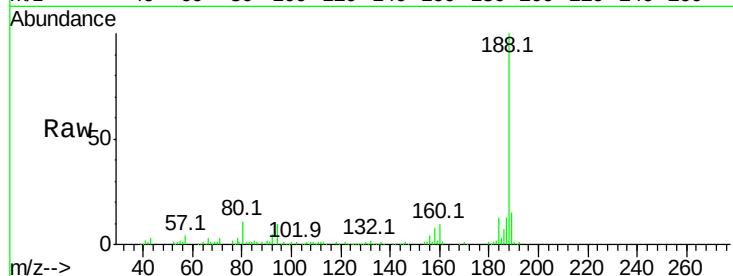




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.60 min Scan# 2212
Delta R.T. -0.05 min
Lab File: BF095902.D
Acq: 13 Jun 2017 19:39

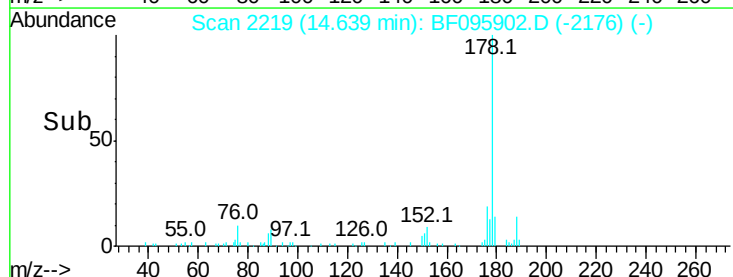
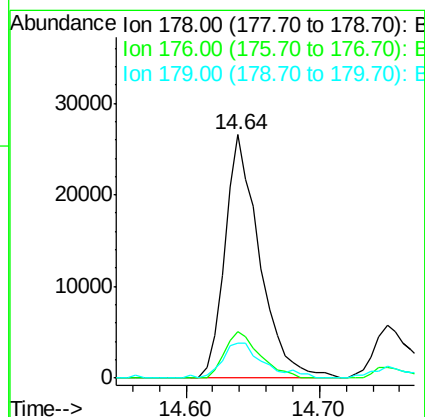
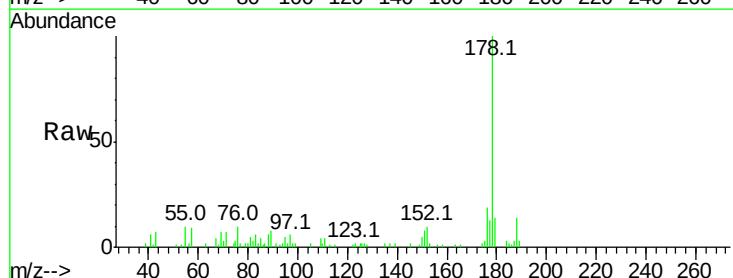
Instrument :
BNA_F
ClientSampleId :

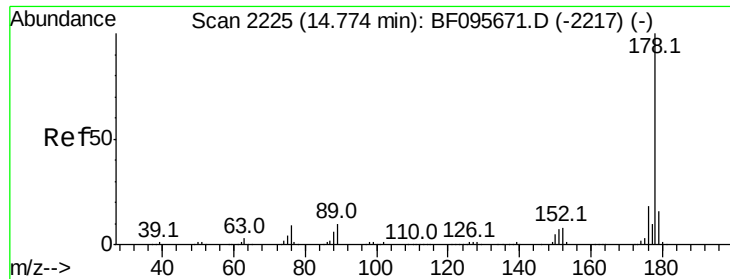
Tot Ion:188 Resp: 233277
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 10.6 10.2 15.2



#70
Phenanthrene
Concen: 3.58 ng
RT: 14.64 min Scan# 2219
Delta R.T. -0.05 min
Lab File: BF095902.D
Acq: 13 Jun 2017 19:39

Tgt Ion:178 Resp: 48184
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 14.1 12.6 19.0

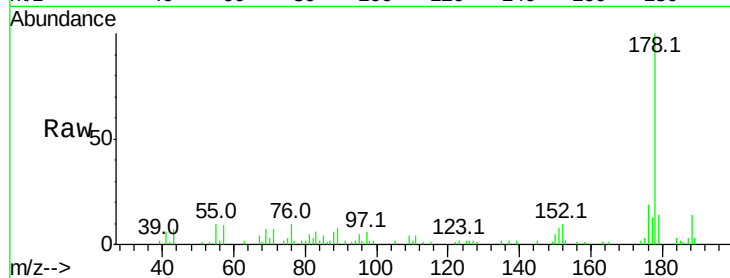




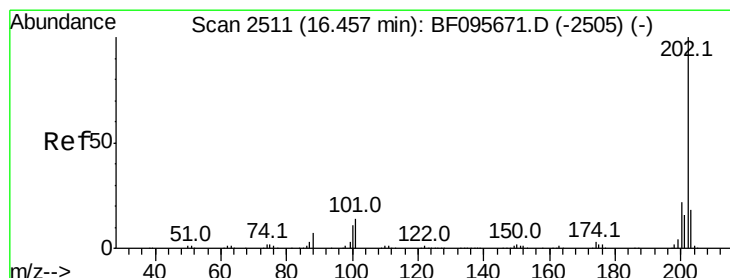
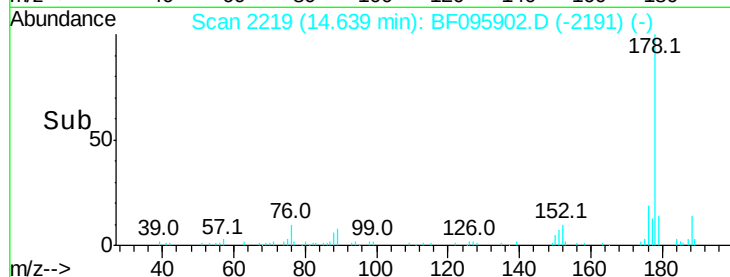
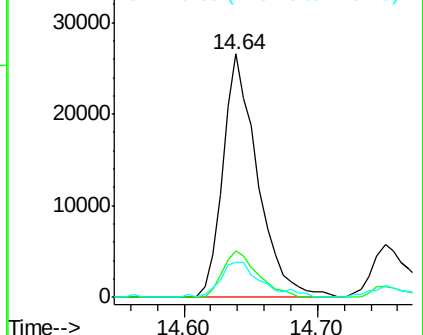
#71
 Anthracene
 Concen: 3.43 ng
 RT: 14.64 min Scan# 2219
 Delta R.T. -0.14 min
 Lab File: BF095902.D
 Acq: 13 Jun 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 48184
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 14.1 12.7 19.1

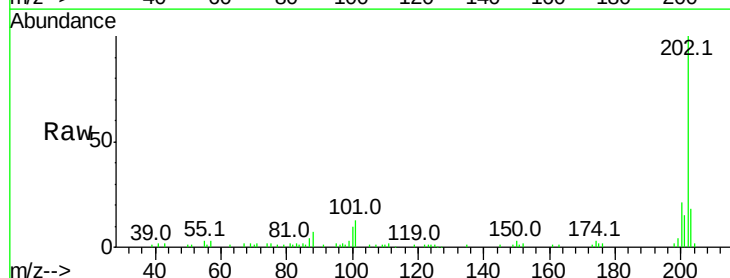


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

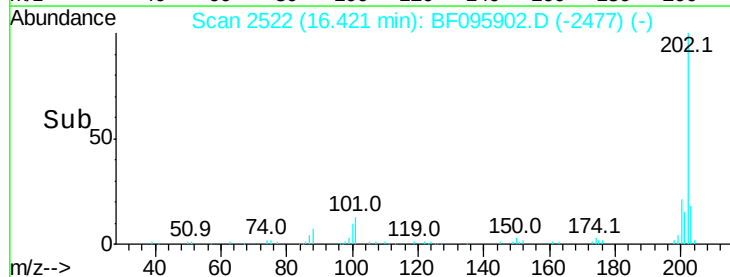
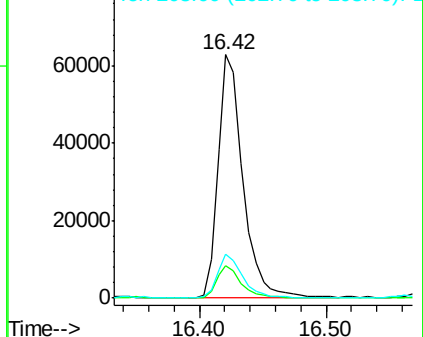


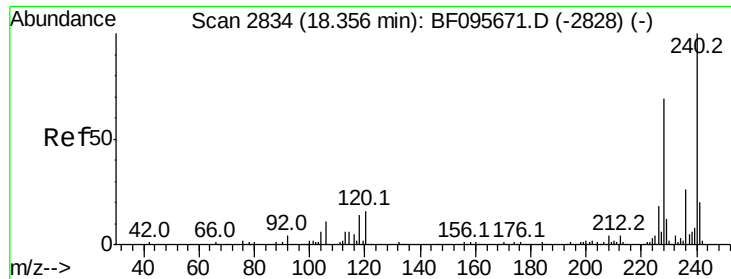
#74
 Fluoranthene
 Concen: 6.48 ng
 RT: 16.42 min Scan# 2522
 Delta R.T. -0.04 min
 Lab File: BF095902.D
 Acq: 13 Jun 2017 19:39

Tgt Ion:202 Resp: 86273
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 33.2
 203 18.0 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: 18.32 min Scan# 2844

Delta R.T. -0.04 min

Lab File: BF095902.D

Acq: 13 Jun 2017 19:39

Instrument :

BNA_F

ClientSampleId :

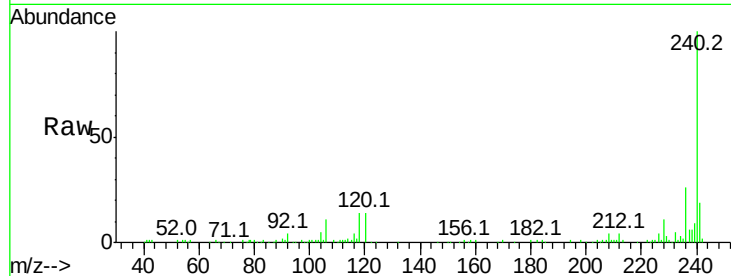
Tot Ion:240 Resp: 144116

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

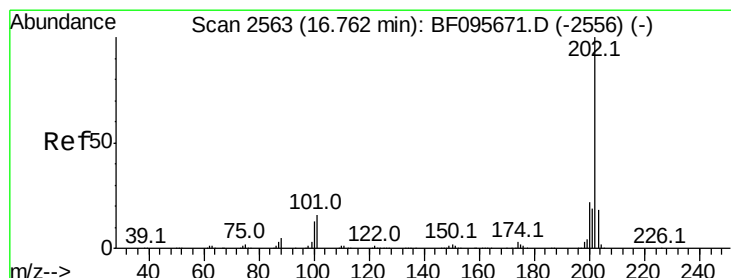
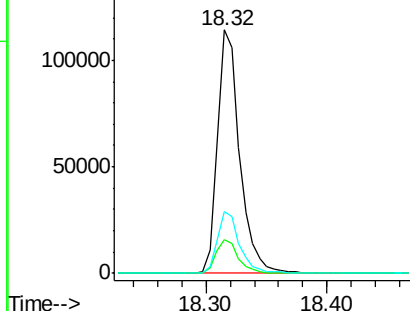
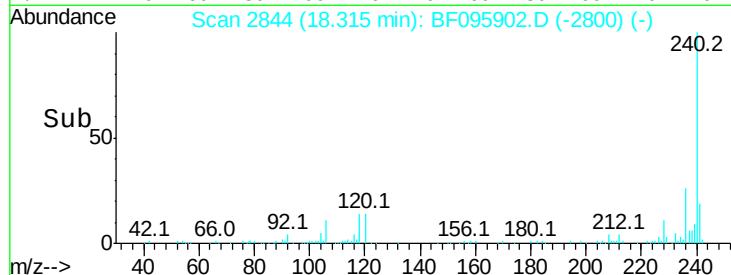
236 25.6 20.5 30.7



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: 7.06 ng

RT: 16.73 min Scan# 2574

Delta R.T. -0.04 min

Lab File: BF095902.D

Acq: 13 Jun 2017 19:39

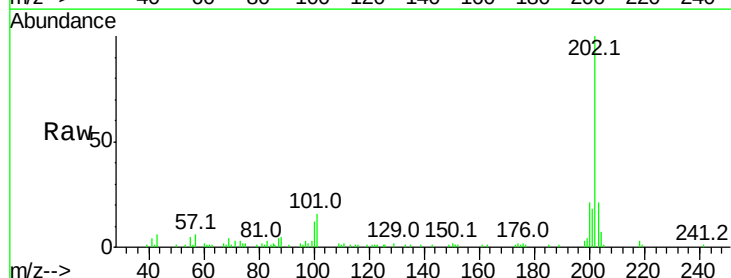
Tgt Ion:202 Resp: 75881

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

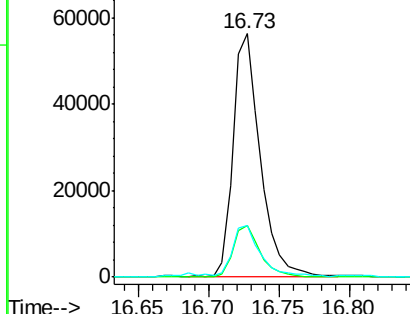
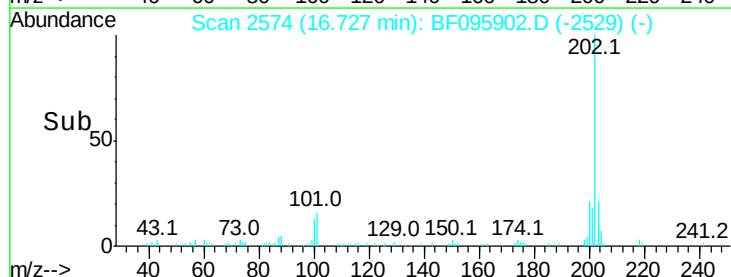
203 21.0 14.4 21.6

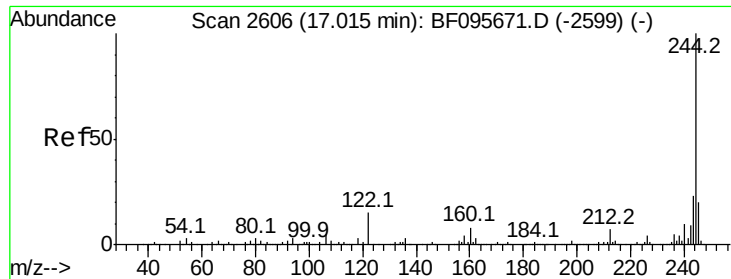


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

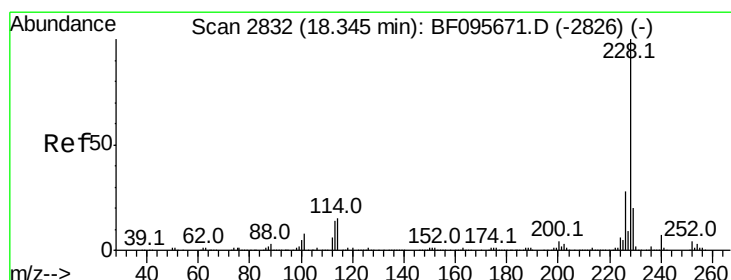
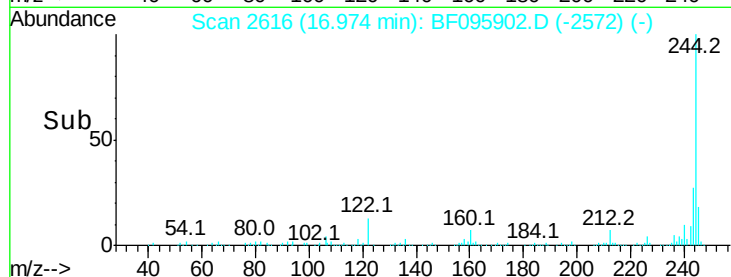
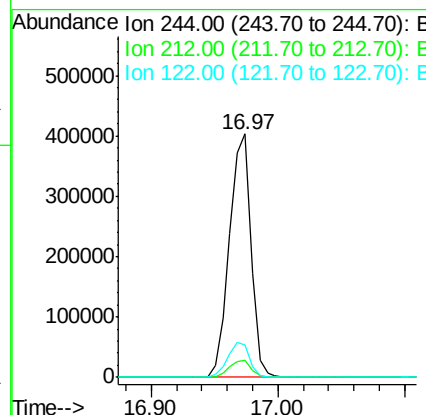
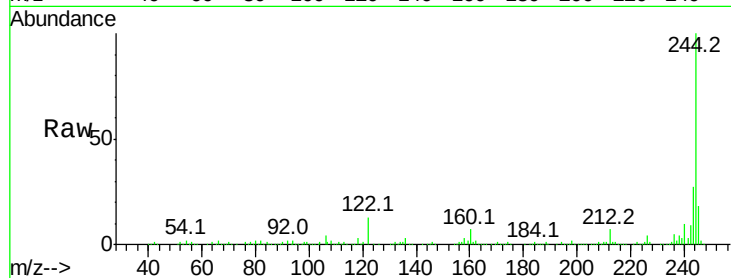




#78
 Terphenyl-d14
 Concen: 82.04 ng
 RT: 16.97 min Scan# 2616
 Delta R.T. -0.04 min
 Lab File: BF095902.D
 Acq: 13 Jun 2017 19:39

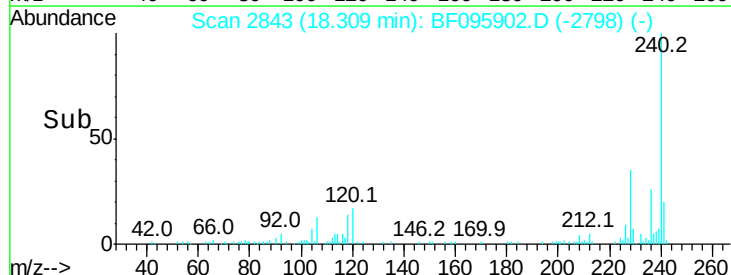
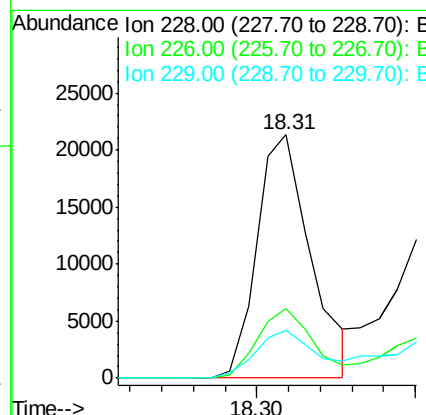
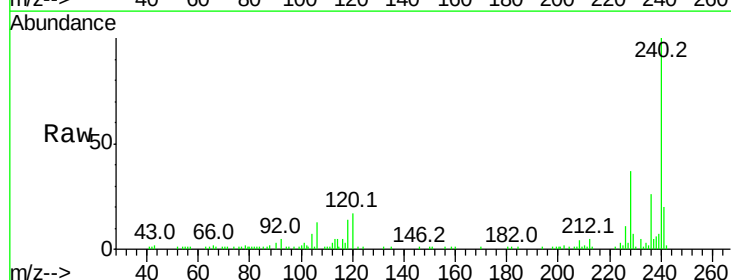
Instrument :
 BNA_F
 ClientSampleID :

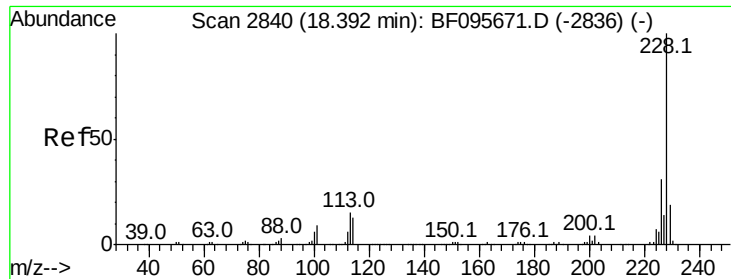
Tot Ion:244 Resp: 476420
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.99 ng
 RT: 18.31 min Scan# 2843
 Delta R.T. -0.04 min
 Lab File: BF095902.D
 Acq: 13 Jun 2017 19:39

Tgt Ion:228 Resp: 25089
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.6 33.8
 229 19.9 16.3 24.5

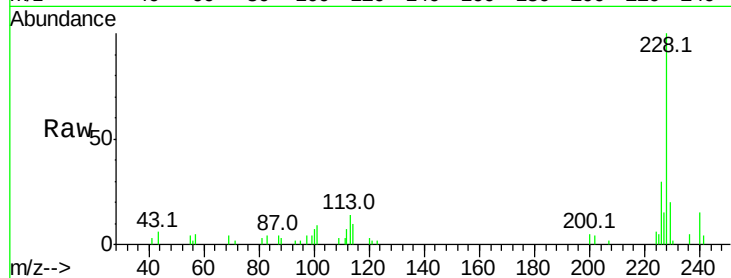




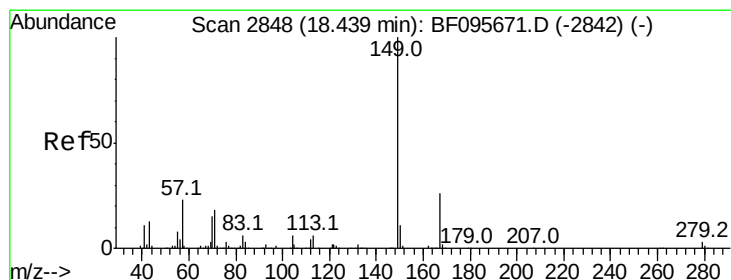
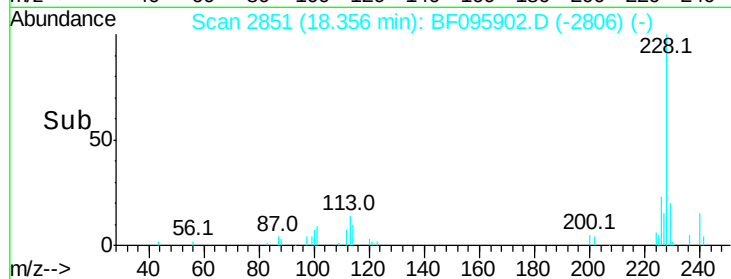
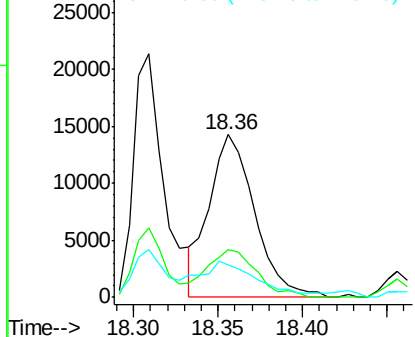
#82
Chrysene
Concen: 3.20 ng
RT: 18.36 min Scan# 2851
Delta R.T. -0.04 min
Lab File: BF095902.D
Acq: 13 Jun 2017 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 26831
Ion Ratio Lower Upper
228 100
226 29.6 24.9 37.3
229 19.8 15.8 23.6

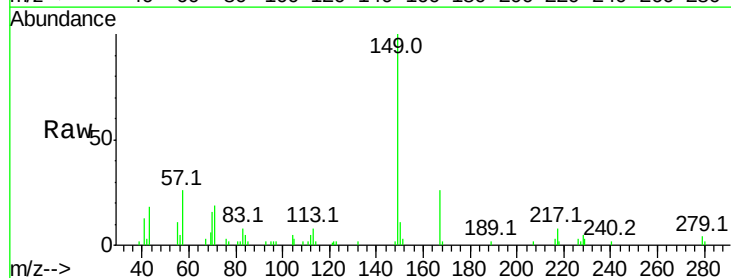


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

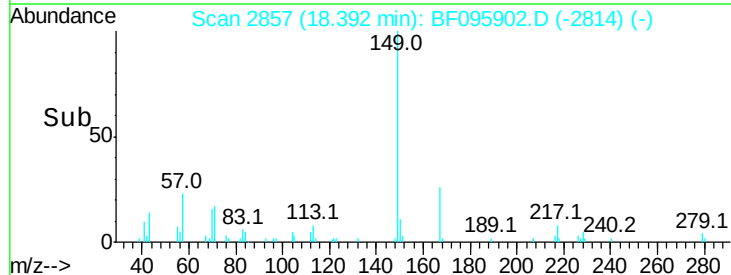
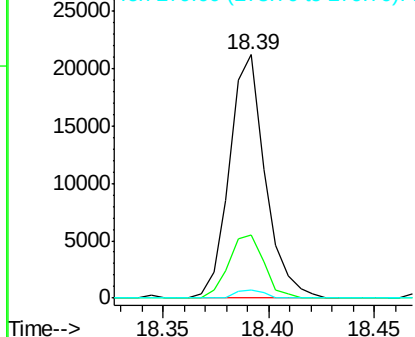


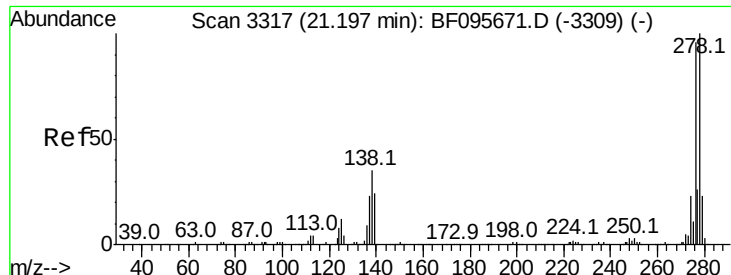
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.76 ng
RT: 18.39 min Scan# 2857
Delta R.T. -0.05 min
Lab File: BF095902.D
Acq: 13 Jun 2017 19:39

Tgt Ion:149 Resp: 24878
Ion Ratio Lower Upper
149 100
167 26.0 21.0 31.4
279 3.5 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





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.29 ng

RT: 21.19 min Scan# 3332

Delta R.T. -0.01 min

Lab File: BF095902.D

Acq: 13 Jun 2017 19:39

Instrument :

BNA_F

ClientSampleId :

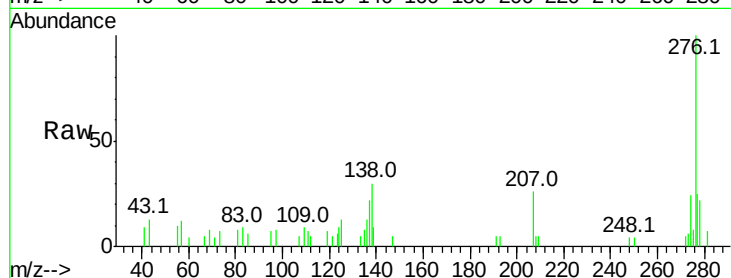
Tot Ion:276 Resp: 16374

Ion Ratio Lower Upper

276 100

138 34.2 27.8 41.6

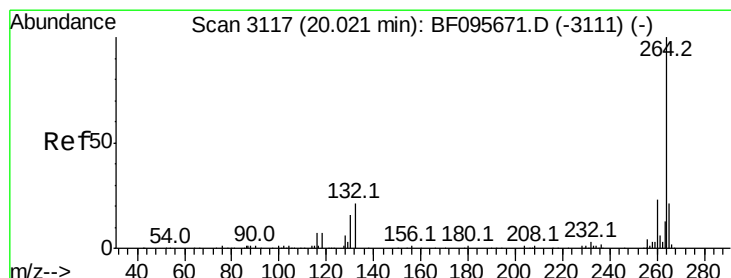
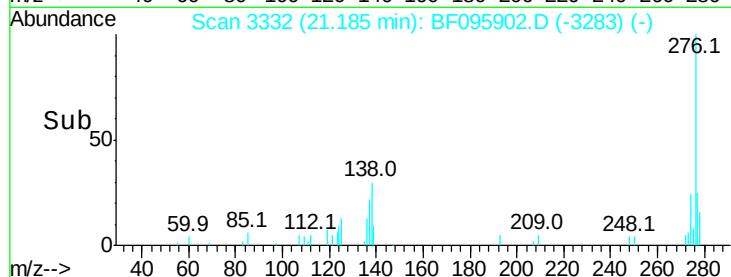
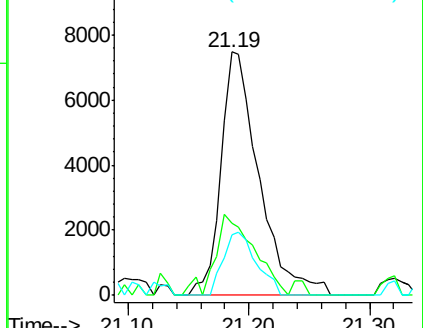
277 22.4 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 19.99 min Scan# 3128

Delta R.T. -0.04 min

Lab File: BF095902.D

Acq: 13 Jun 2017 19:39

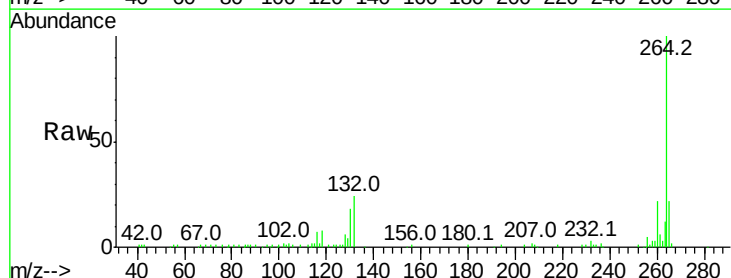
Tgt Ion:264 Resp: 121440

Ion Ratio Lower Upper

264 100

260 22.3 19.5 29.3

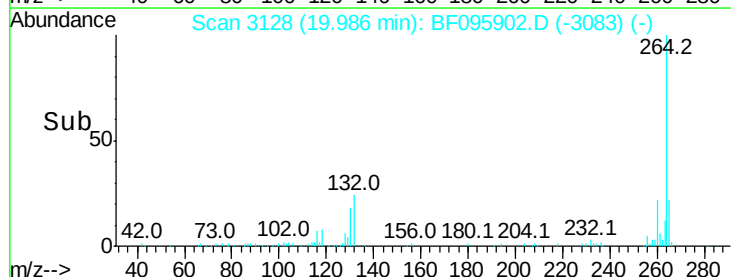
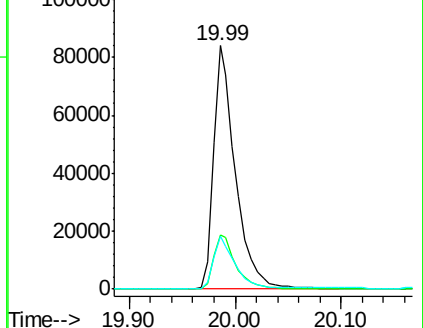
265 21.7 17.2 25.8

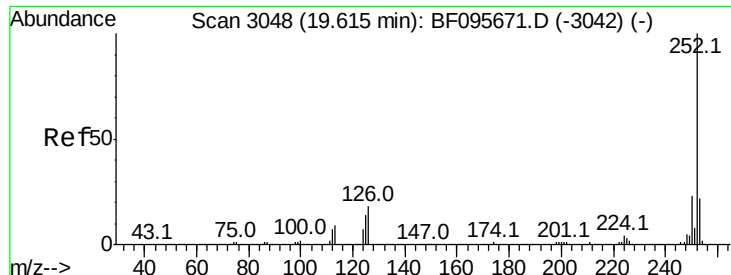


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

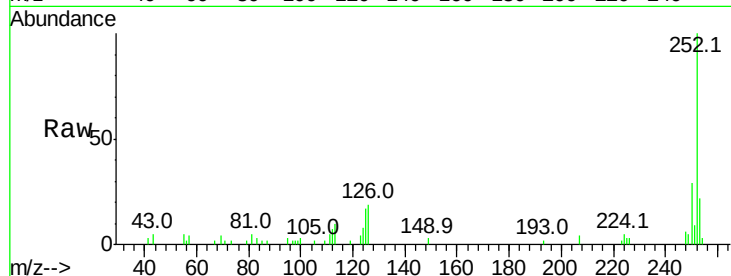




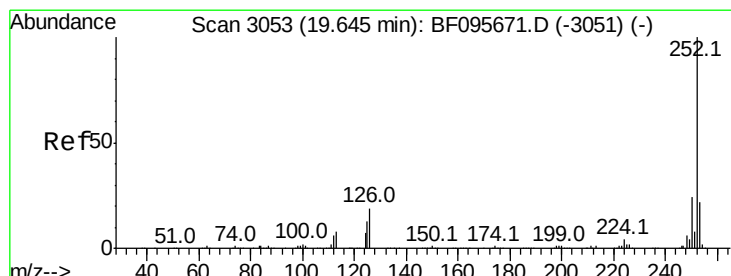
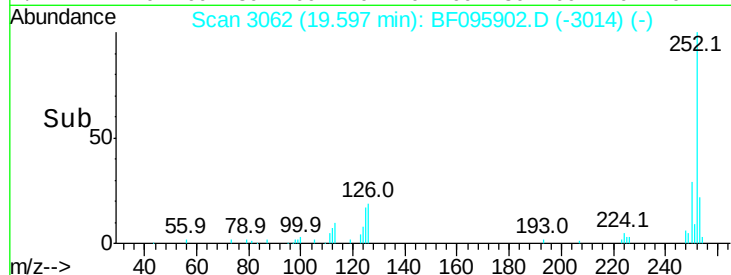
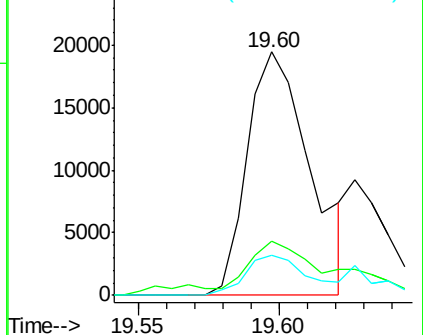
#87
Benzo(b)fluoranthene
Concen: 3.95 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095902.D
Acq: 13 Jun 2017 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 30056
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 16.6 9.8 14.8#

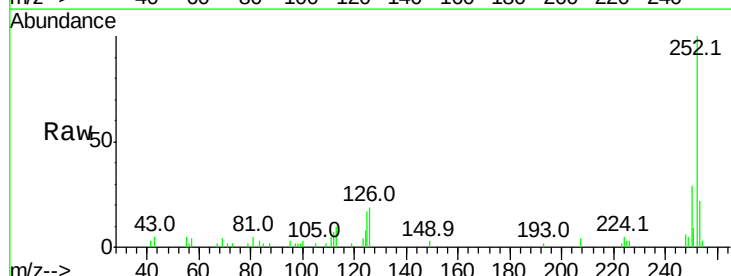


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

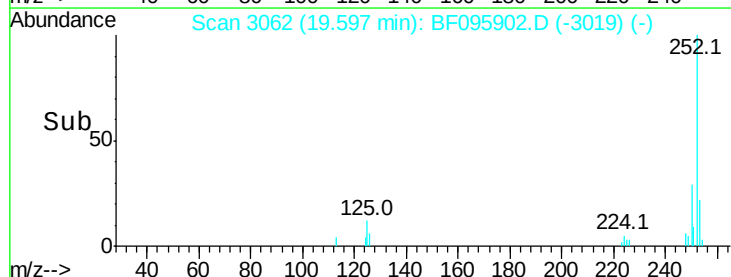
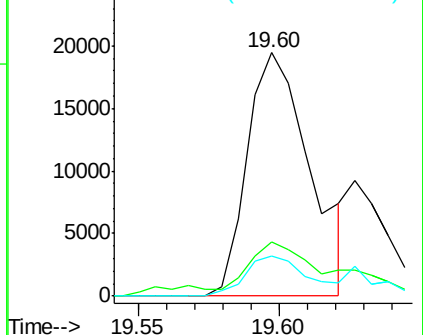


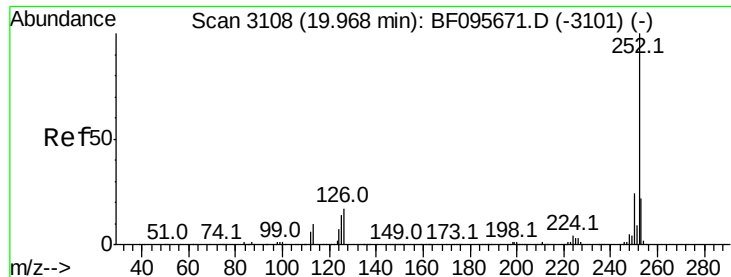
#88
Benzo(k)fluoranthene
Concen: 4.14 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.05 min
Lab File: BF095902.D
Acq: 13 Jun 2017 19:39

Tgt Ion:252 Resp: 30056
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 16.6 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

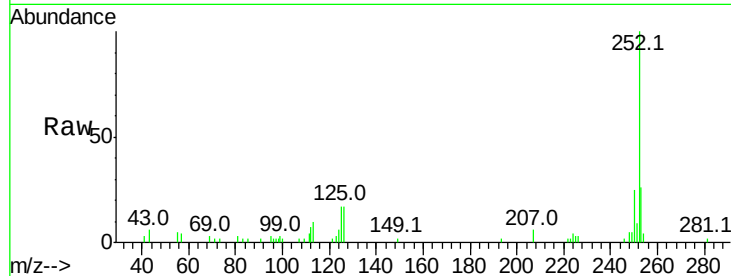




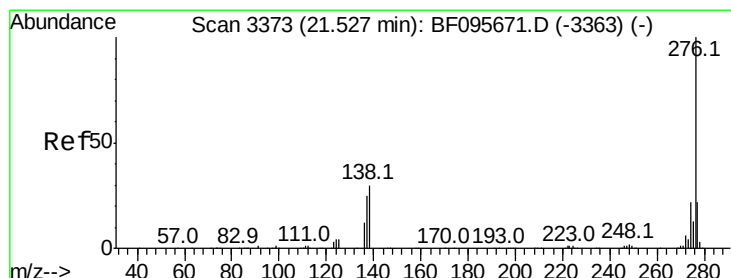
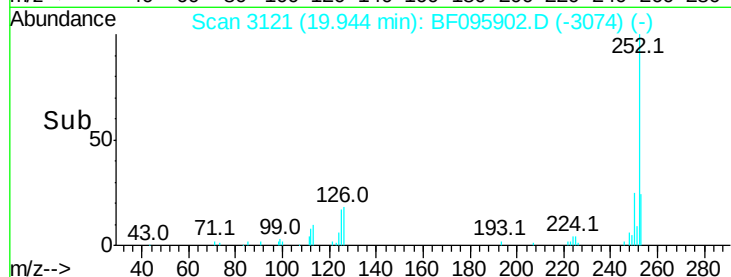
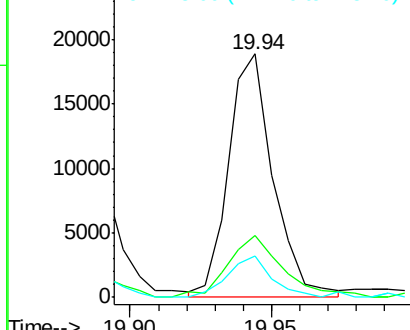
#89
Benzo(a)pyrene
Concen: 2.97 ng
RT: 19.94 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095902.D
Acq: 13 Jun 2017 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 20784
Ion Ratio Lower Upper
252 100
253 25.6 17.5 26.3
125 17.0 11.0 16.4#

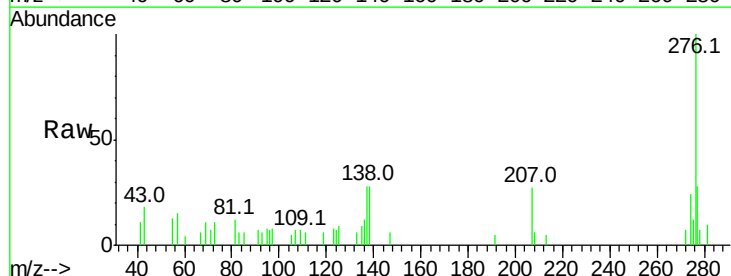


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.72 ng
RT: 21.52 min Scan# 3389
Delta R.T. -0.01 min
Lab File: BF095902.D
Acq: 13 Jun 2017 19:39

Tgt Ion:276 Resp: 16459
Ion Ratio Lower Upper
276 100
277 28.0 18.6 28.0#
138 28.0 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

