

Data File : BF095819.D
Acq On : 9 Jun 2017 13:51
Operator : SJ/MA
Sample : I3457-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-9

Quant Time: Jun 10 01:21:57 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	7.37	152	71142	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	293037	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	128366	20.00	ng	-0.04
63) Phenanthrene-d10	14.61	188	221488	20.00	ng	-0.04
75) Chrysene-d12	18.33	240	146190	20.00	ng	-0.03
86) Perylene-d12	20.00	264	135668	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	627565	140.56	ng	-0.02
7) Phenol-d6	6.93	99	770945	144.24	ng	-0.02
23) Nitrobenzene-d5	8.29	82	429761	91.08	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	149116	131.29	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	720376	78.09	ng	-0.04
78) Terphenyl-d14	16.99	244	429726	72.95	ng	-0.03
Target Compounds						
10) Phenol	6.95	94	11865	2.14	ng	# 63
19) n-Nitroso-di-n-propylamine	8.29	70	54061	15.96	ng	# 74
49) Dimethylphthalate	11.87	163	117416	12.05	ng	100
55) 4-Nitrophenol	12.57	139	2547	6.29	ng	# 25
70) Phenanthrene	14.65	178	136090	10.65	ng	98
71) Anthracene	14.74	178	38719	2.90	ng	98
74) Fluoranthene	16.43	202	161390	12.76	ng	98
77) Pyrene	16.73	202	136422	12.51	ng	96
80) Benzo(a)anthracene	18.32	228	58484	6.88	ng	96
82) Chrysene	18.36	228	53032	6.24	ng	100
87) Benzo(b)fluoranthene	19.60	252	83046	9.78	ng	# 95
88) Benzo(k)fluoranthene	19.60	252	83046	10.23	ng	98
89) Benzo(a)pyrene	19.94	252	45688	5.85	ng	97
91) Benzo(g,h,i)perylene	21.51	276	21921	3.25	ng	98

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

Data File : BF095819.D

Acq On : 9 Jun 2017 13:51

Operator : SJ/MA

Sample : I3457-14

Misc :

ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

S-9

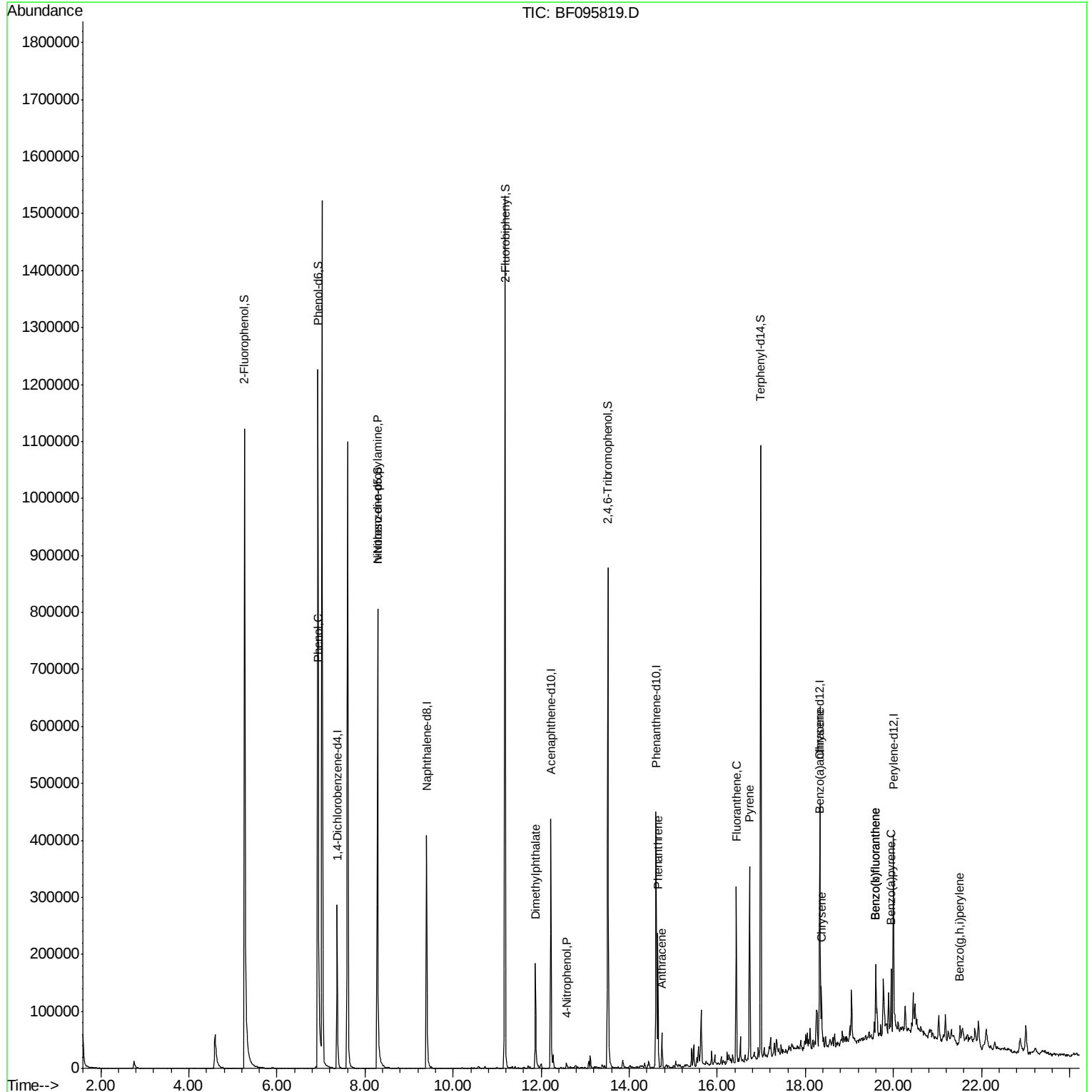
Quant Time: Jun 10 01:21:57 2017

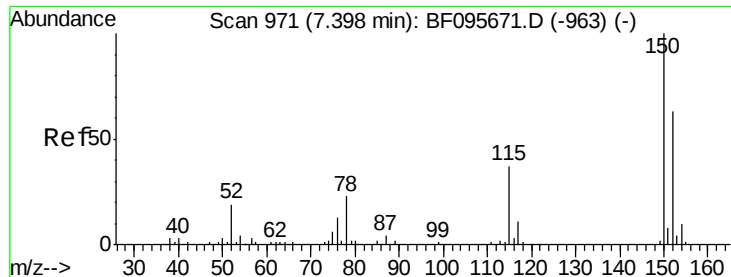
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 05 16:15:31 2017

Response via : Initial Calibration



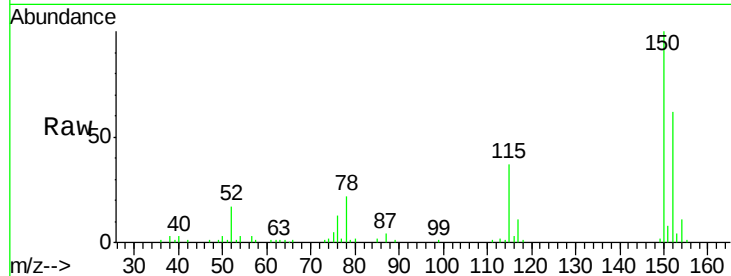


#1

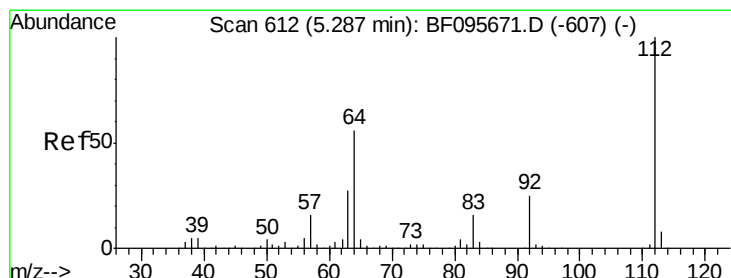
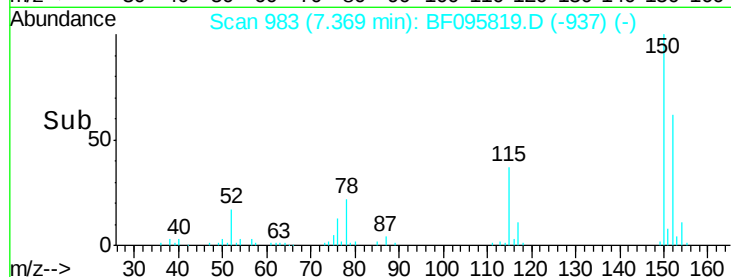
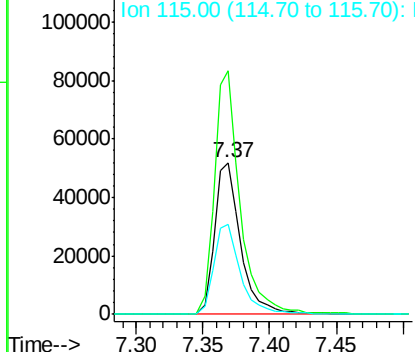
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095819.D
Acq: 9 Jun 2017 13:51

Instrument :
BNA_F
ClientSampled :
S-9

Tgt Ion:152 Resp: 71142
Ion Ratio Lower Upper
152 100
150 160.3 126.2 189.2
115 59.4 52.2 78.2



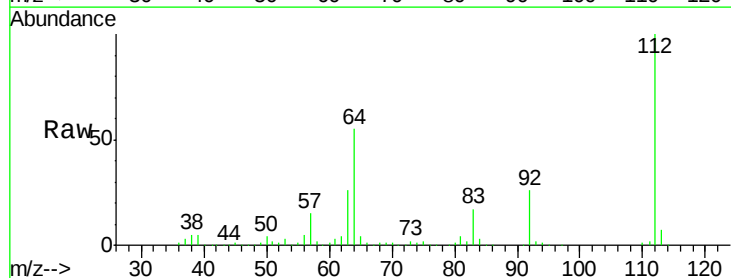
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



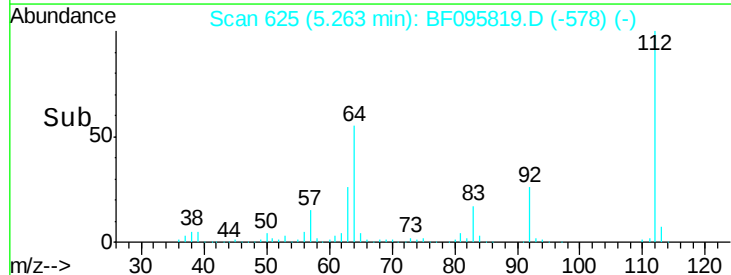
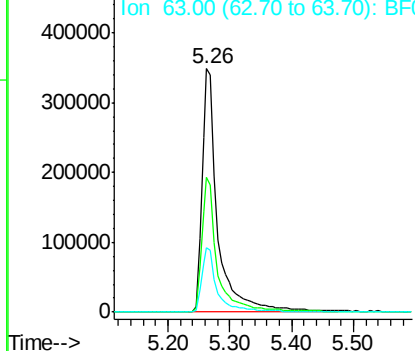
#5

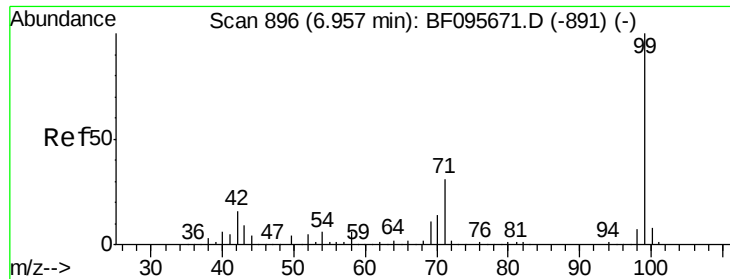
2-Fluorophenol
Concen: 140.56 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095819.D
Acq: 9 Jun 2017 13:51

Tgt Ion:112 Resp: 627565
Ion Ratio Lower Upper
112 100
64 55.2 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: 144.24 ng

RT: 6.93 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF095819.D

Acq: 9 Jun 2017 13:51

Instrument :

BNA_F

ClientSampleId :

S-9

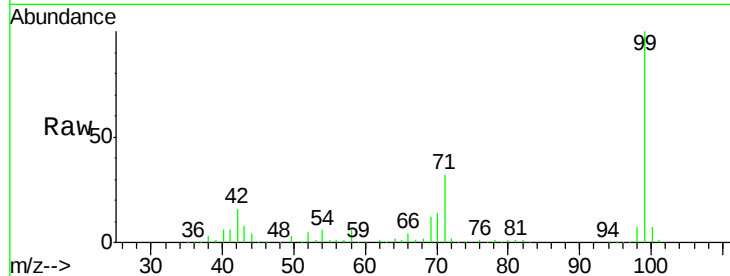
Tgt Ion: 99 Resp: 770945

Ion Ratio Lower Upper

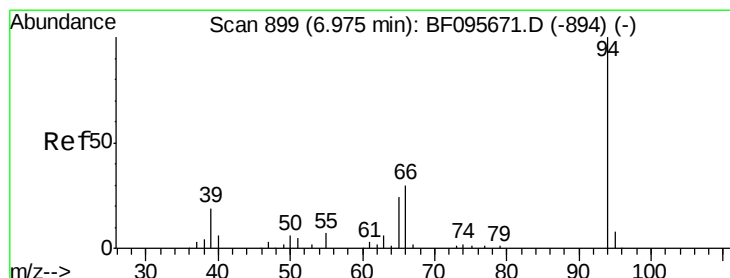
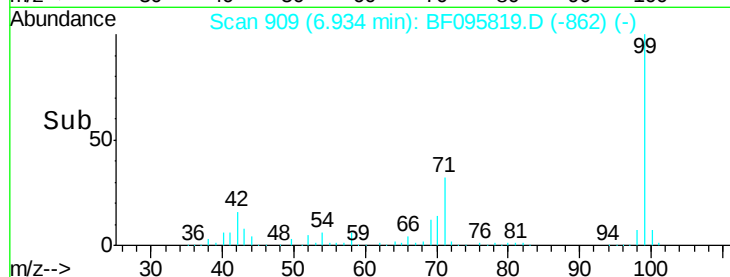
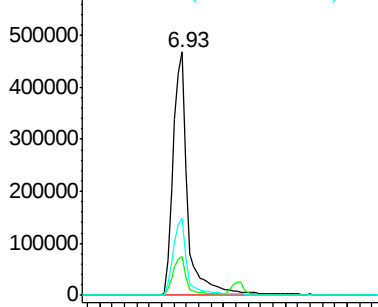
99 100

42 15.9 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: 2.14 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF095819.D

Acq: 9 Jun 2017 13:51

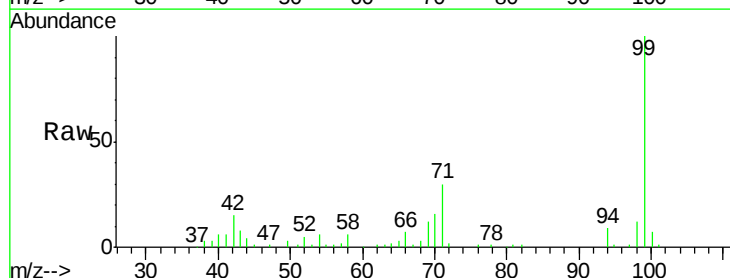
Tgt Ion: 94 Resp: 11865

Ion Ratio Lower Upper

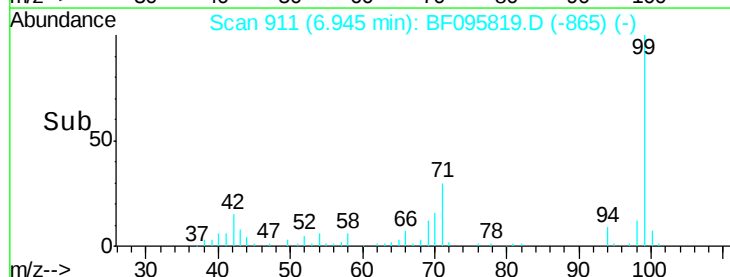
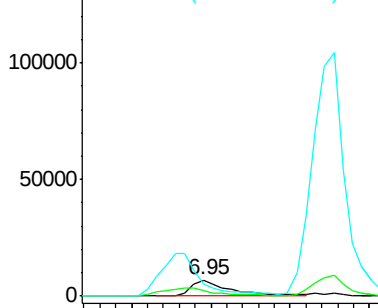
94 100

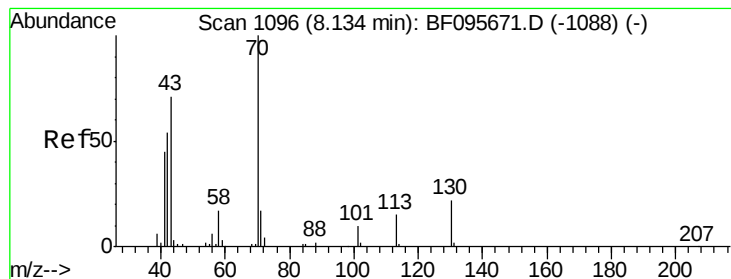
65 38.0 9.9 49.9

66 76.5 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: 15.96 ng

RT: 8.29 min Scan# 1139

Delta R.T. 0.15 min

Lab File: BF095819.D

Acq: 9 Jun 2017 13:51

Instrument :

BNA_F

ClientSampleId :

S-9

Tgt Ion: 70 Resp: 54061

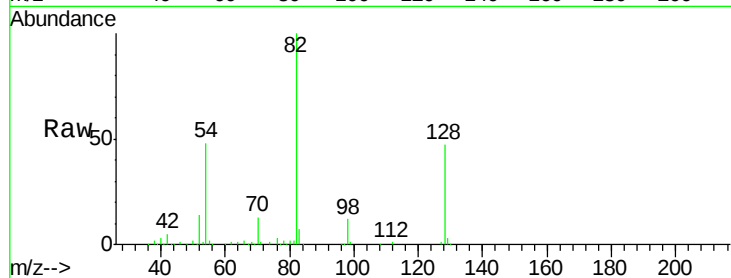
Ion Ratio Lower Upper

70 100

42 42.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

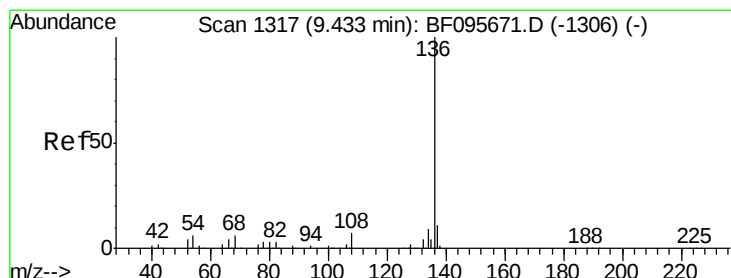
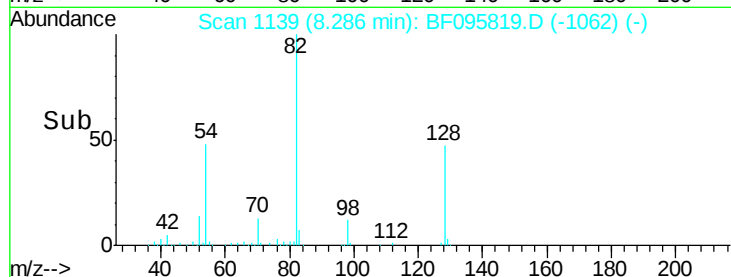
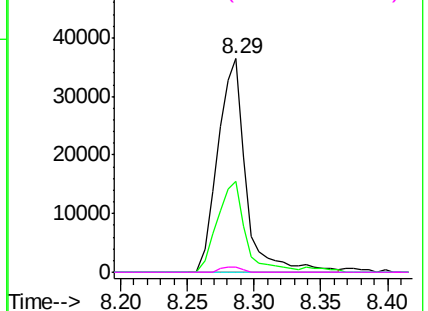


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095819.D

Acq: 9 Jun 2017 13:51

Tgt Ion: 136 Resp: 293037

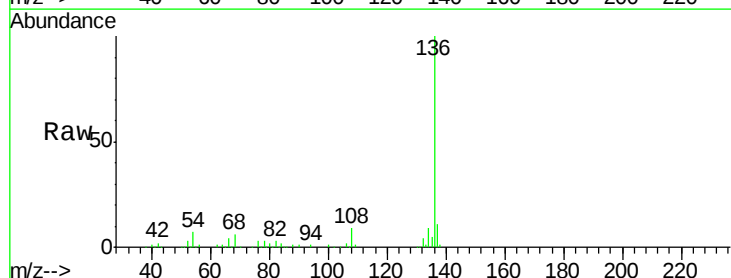
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 7.0 4.9 7.3

68 5.8 4.1 6.1

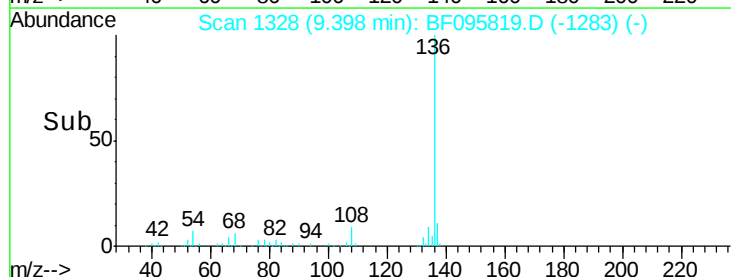
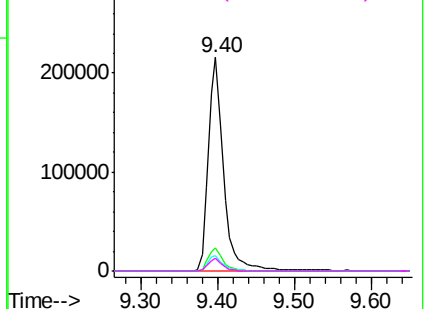


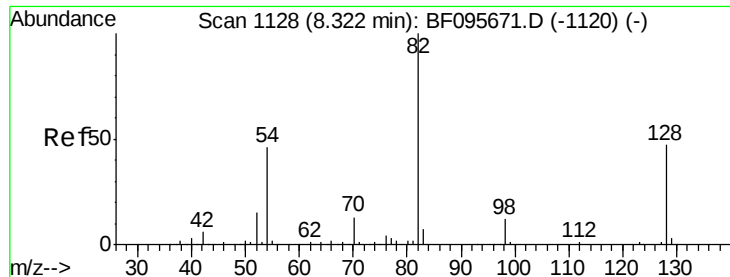
Abundance Ion 136.00 (135.70 to 136.70): E

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

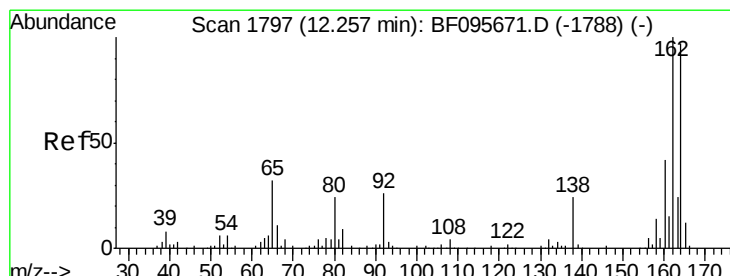
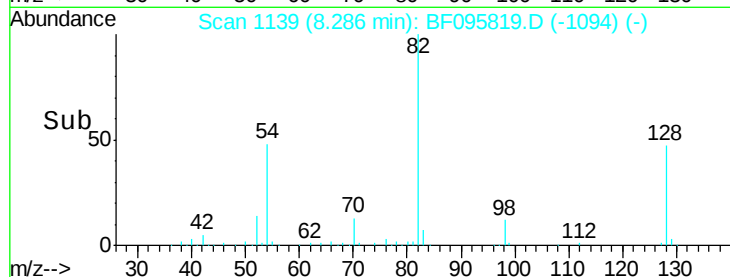
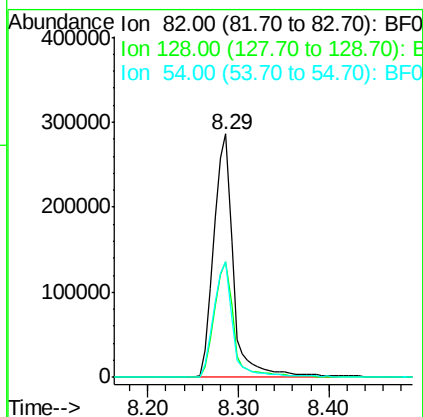
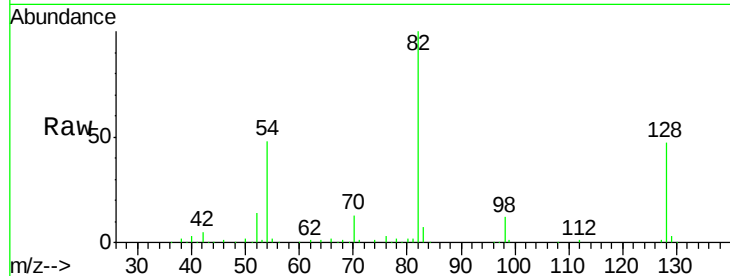




#23
 Nitrobenzene-d5
 Concen: 91.08 ng
 RT: 8.29 min Scan# 1139
 Delta R.T. -0.04 min
 Lab File: BF095819.D
 Acq: 9 Jun 2017 13:51

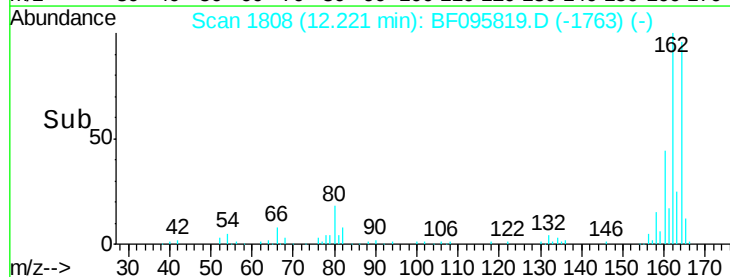
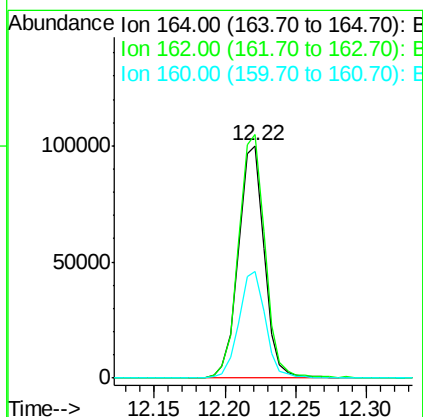
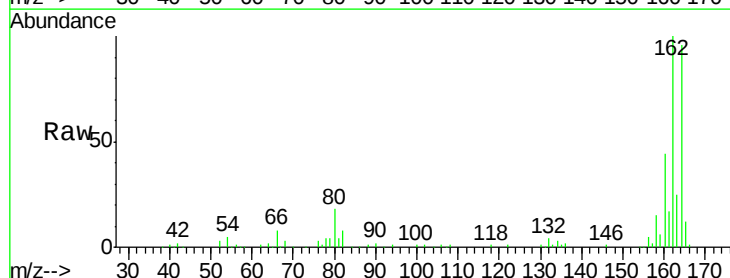
Instrument :
 BNA_F
 ClientSampled :
 S-9

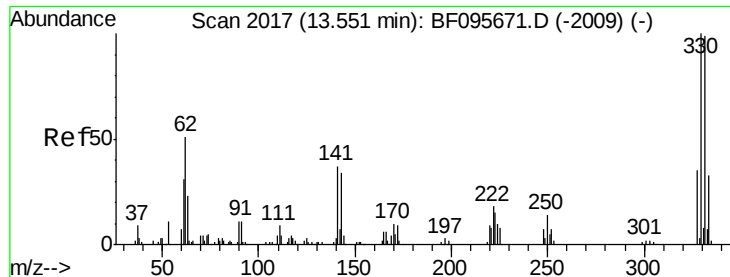
Tgt Ion: 82 Resp: 429761
 Ion Ratio Lower Upper
 82 100
 128 47.5 34.0 51.0
 54 47.5 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.22 min Scan# 1808
 Delta R.T. -0.04 min
 Lab File: BF095819.D
 Acq: 9 Jun 2017 13:51

Tgt Ion: 164 Resp: 128366
 Ion Ratio Lower Upper
 164 100
 162 104.7 82.6 123.8
 160 45.6 36.2 54.2

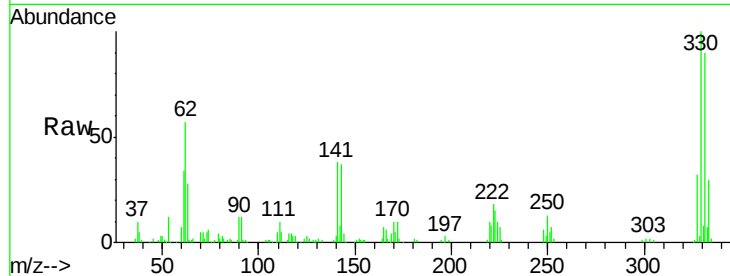




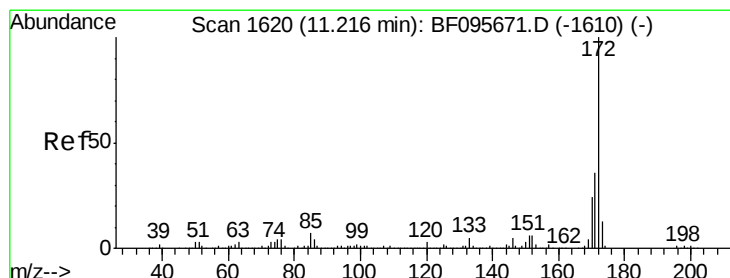
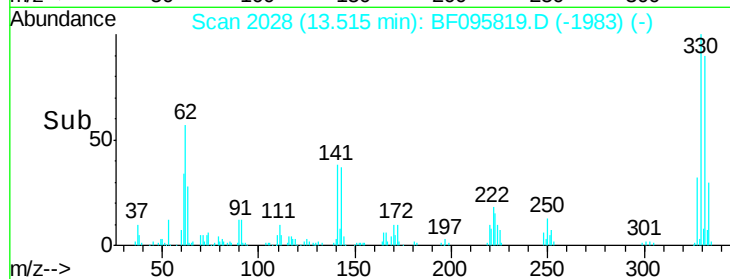
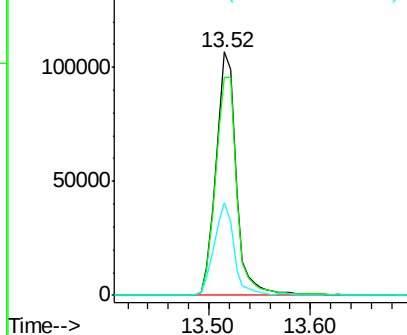
#41
 2,4,6-Tribromophenol
 Concen: 131.29 ng
 RT: 13.52 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF095819.D
 Acq: 9 Jun 2017 13:51

Instrument :
 BNA_F
 ClientSampleId :
 S-9

Tgt Ion:330 Resp: 149116
 Ion Ratio Lower Upper
 330 100
 332 93.7 76.6 115.0
 141 37.2 31.4 47.2

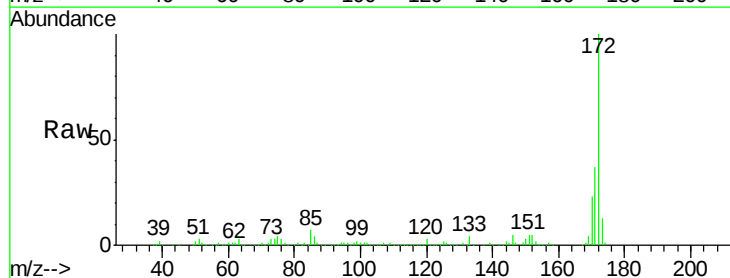


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

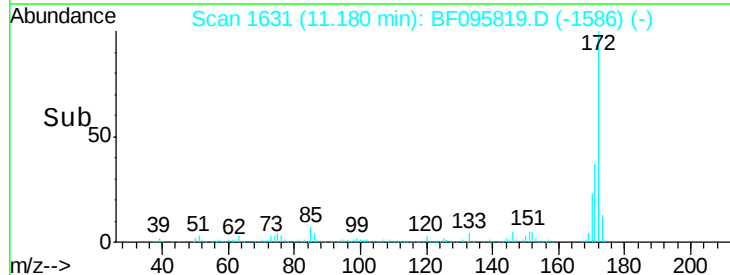
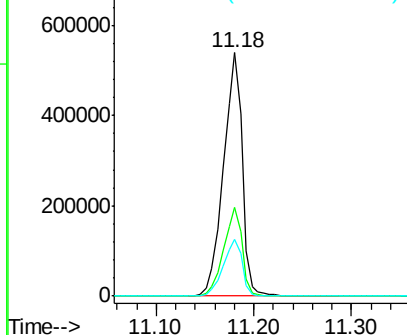


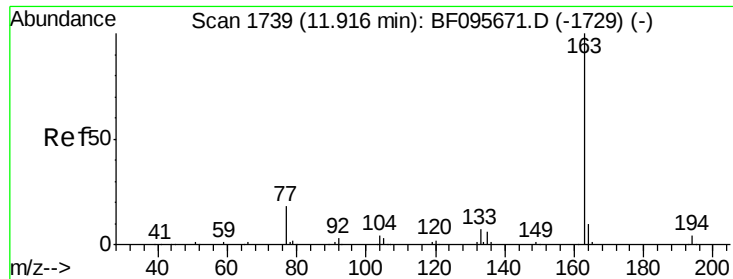
#44
 2-Fluorobiphenyl
 Concen: 78.09 ng
 RT: 11.18 min Scan# 1631
 Delta R.T. -0.04 min
 Lab File: BF095819.D
 Acq: 9 Jun 2017 13:51

Tgt Ion:172 Resp: 720376
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 23.4 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

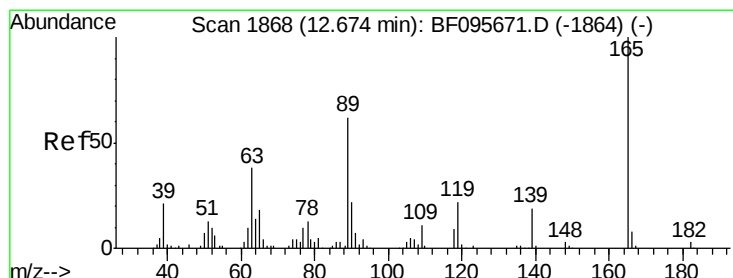
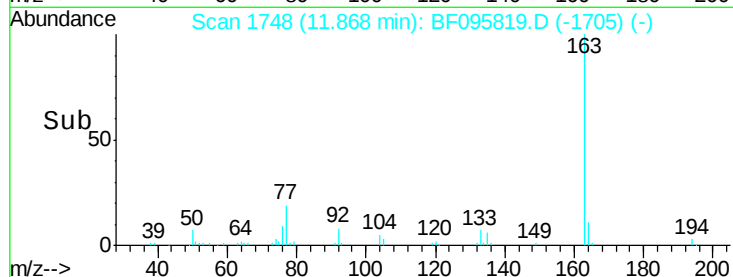
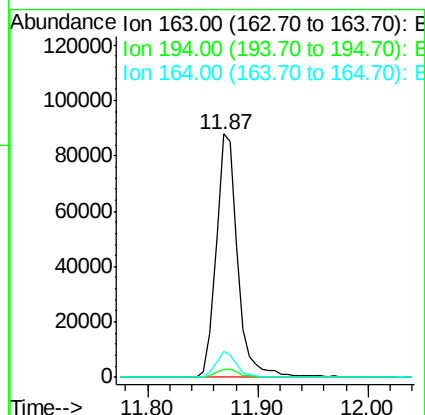
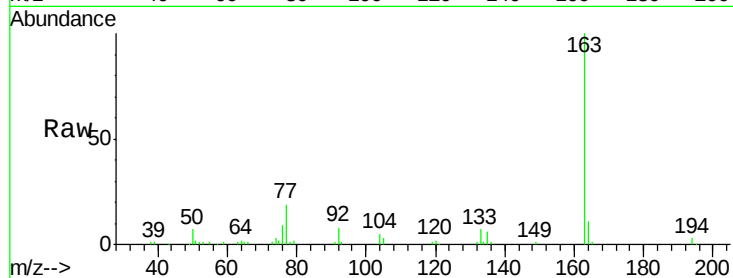




#49
Dimethylphthalate
Concen: 12.05 ng
RT: 11.87 min Scan# 1748
Delta R.T. -0.05 min
Lab File: BF095819.D
Acq: 9 Jun 2017 13:51

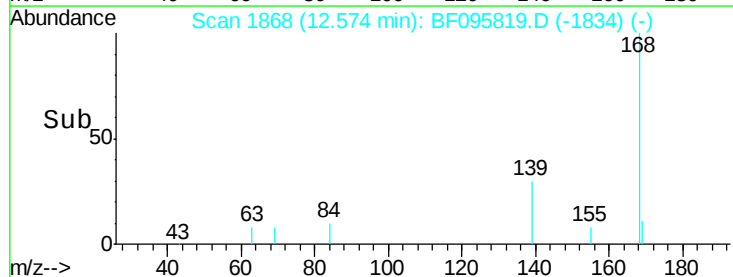
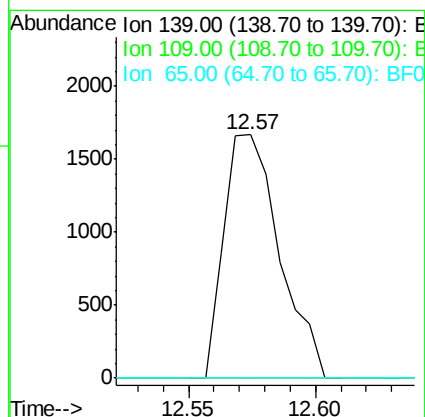
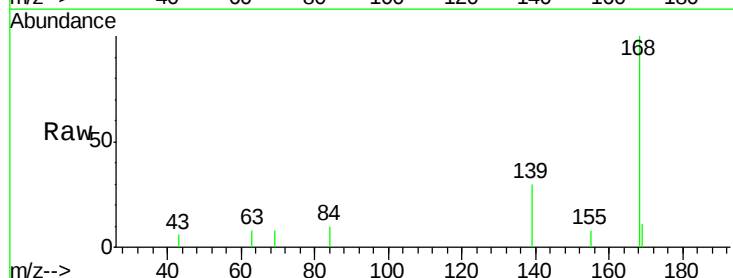
Instrument :
BNA_F
ClientSampleId :
S-9

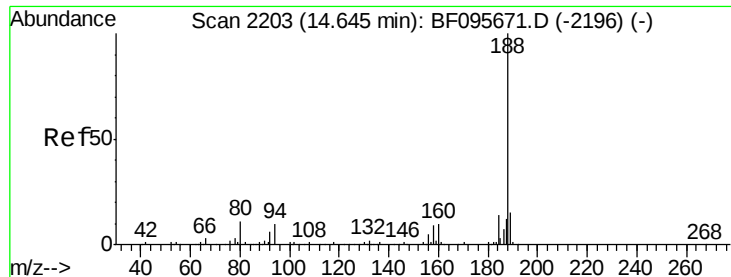
Tgt Ion:163 Resp: 117416
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.6 8.4 12.6



#55
4-Nitrophenol
Concen: 6.29 ng
RT: 12.57 min Scan# 1868
Delta R.T. -0.10 min
Lab File: BF095819.D
Acq: 9 Jun 2017 13:51

Tgt Ion:139 Resp: 2547
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

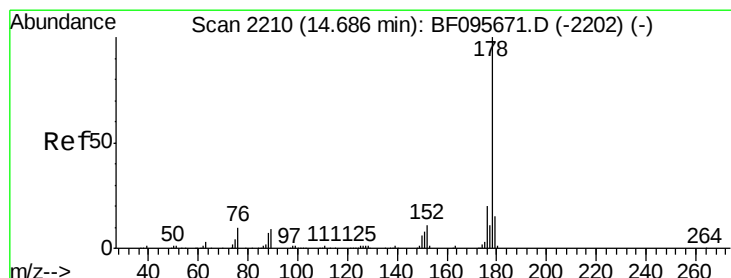
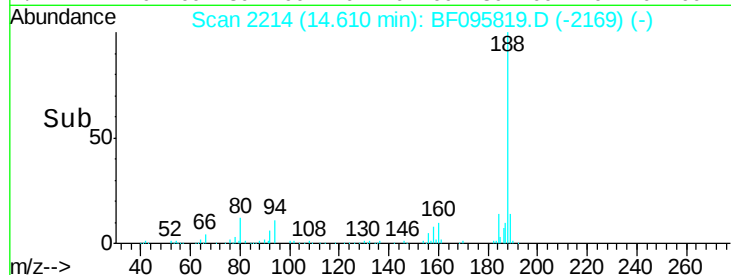
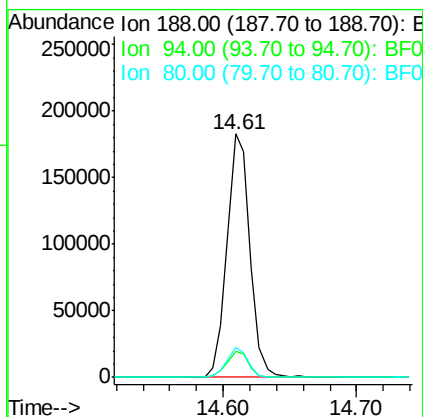
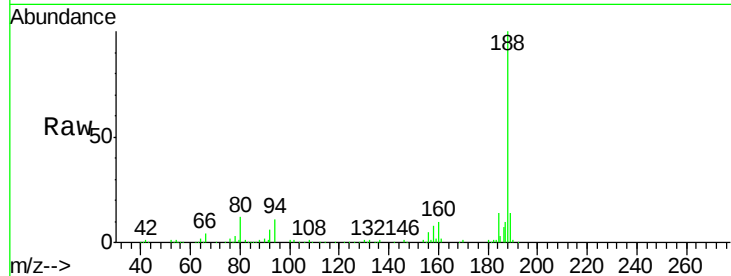




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.61 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF095819.D
Acq: 9 Jun 2017 13:51

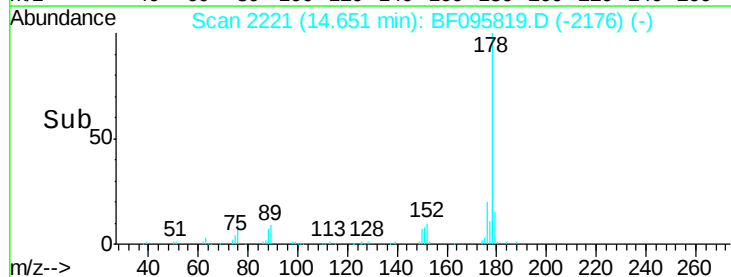
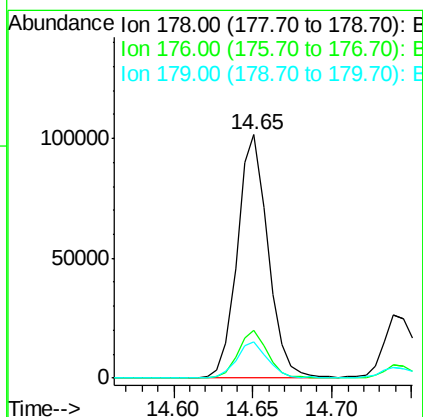
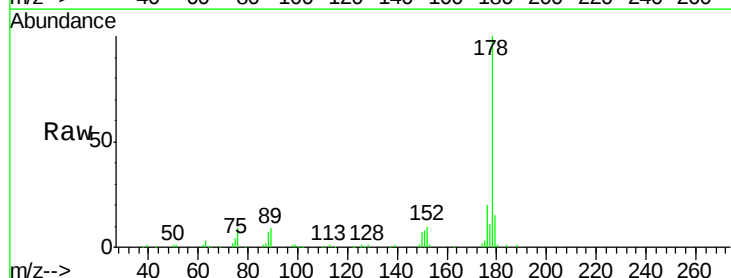
Instrument :
BNA_F
ClientSampleId :
S-9

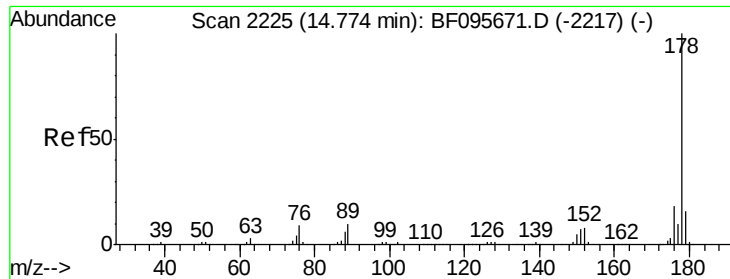
Tgt Ion:188 Resp: 221488
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 12.1 10.2 15.2



#70
Phenanthrene
Concen: 10.65 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095819.D
Acq: 9 Jun 2017 13:51

Tgt Ion:178 Resp: 136090
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.1 12.6 19.0

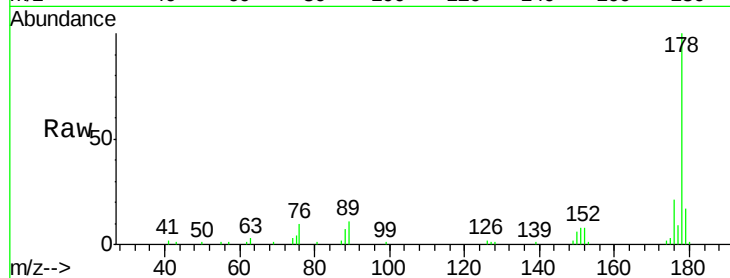




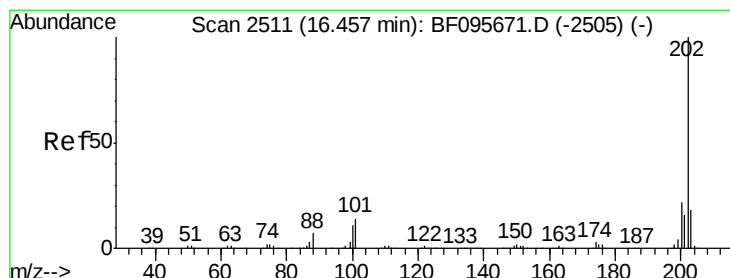
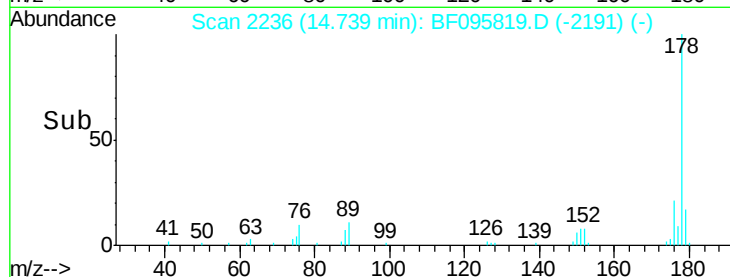
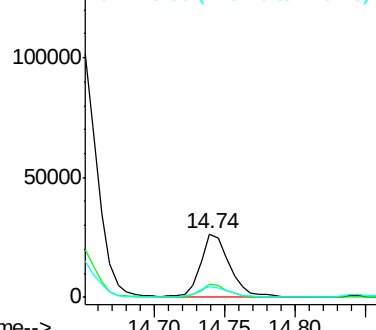
#71
 Anthracene
 Concen: 2.90 ng
 RT: 14.74 min Scan# 2236
 Delta R.T. -0.04 min
 Lab File: BF095819.D
 Acq: 9 Jun 2017 13:51

Instrument :
 BNA_F
 ClientSampled :
 S-9

Tgt Ion:178 Resp: 38719
 Ion Ratio Lower Upper
 178 100
 176 20.8 15.8 23.8
 179 16.8 12.7 19.1

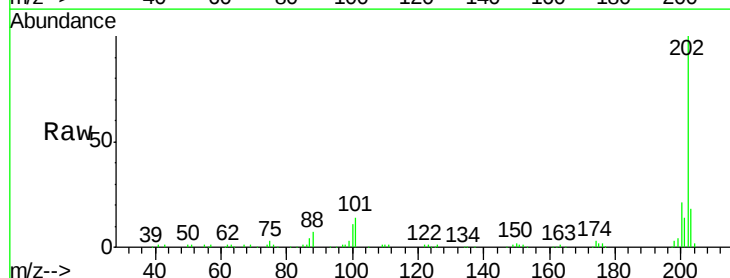


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

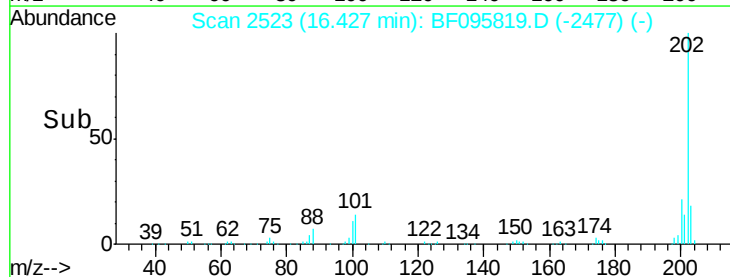
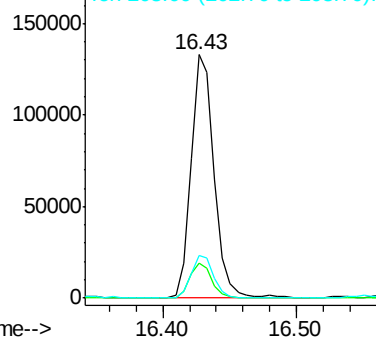


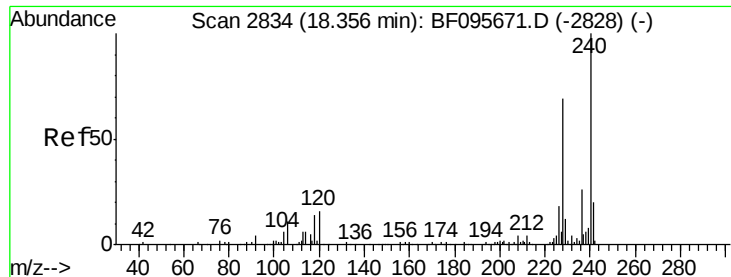
#74
 Fluoranthene
 Concen: 12.76 ng
 RT: 16.43 min Scan# 2523
 Delta R.T. -0.03 min
 Lab File: BF095819.D
 Acq: 9 Jun 2017 13:51

Tgt Ion:202 Resp: 161390
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 33.2
 203 17.5 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: 18.33 min Scan# 2846

Delta R.T. -0.03 min

Lab File: BF095819.D

Acq: 9 Jun 2017 13:51

Instrument :

BNA_F

ClientSampleId :

S-9

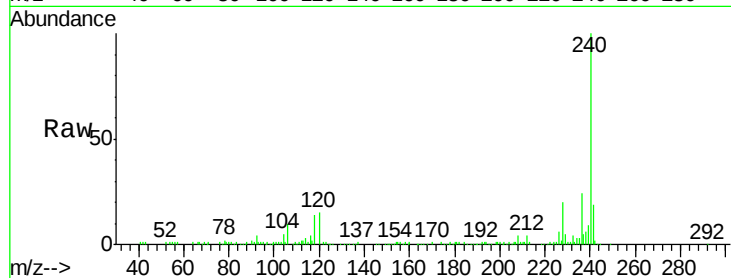
Tgt Ion:240 Resp: 146190

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

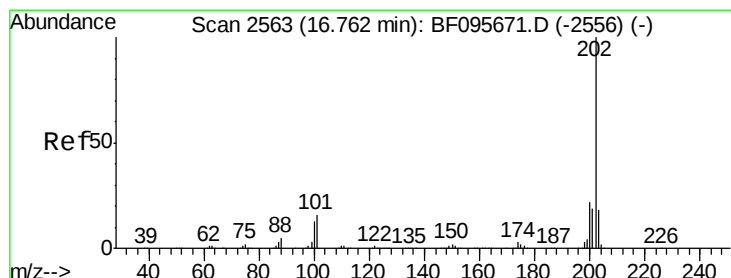
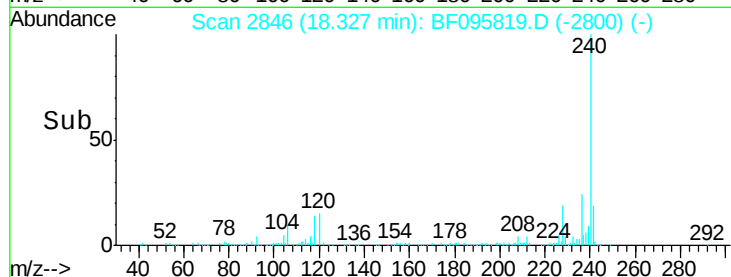
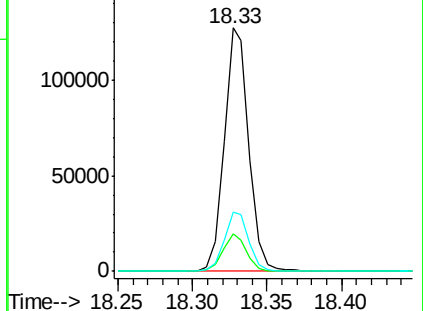
236 24.2 20.5 30.7



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: 12.51 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095819.D

Acq: 9 Jun 2017 13:51

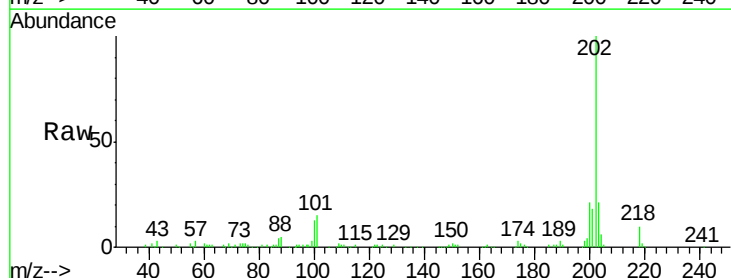
Tgt Ion:202 Resp: 136422

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

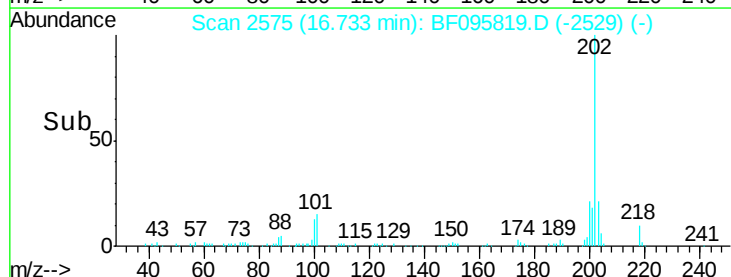
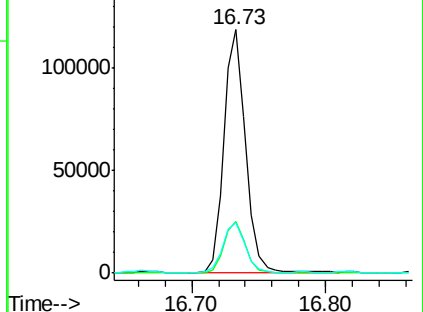
203 20.8 14.4 21.6

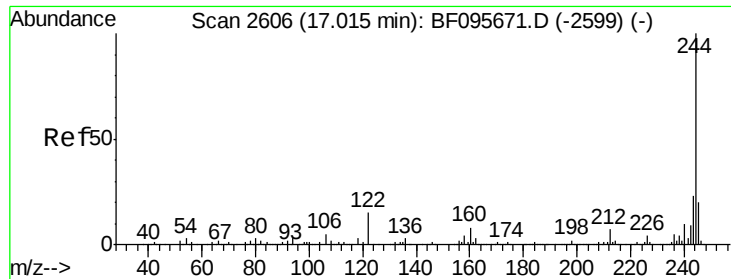


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

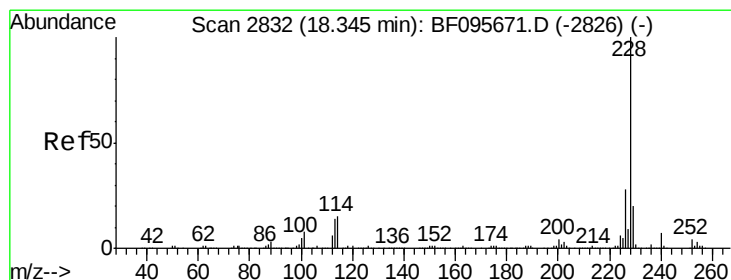
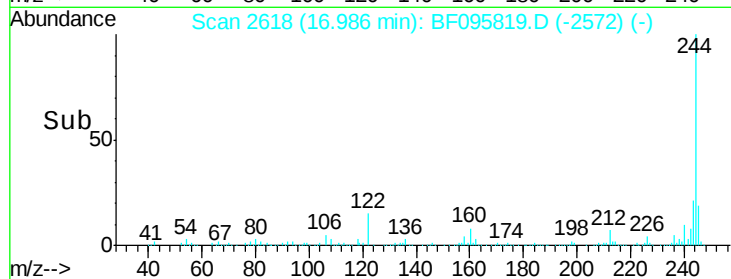
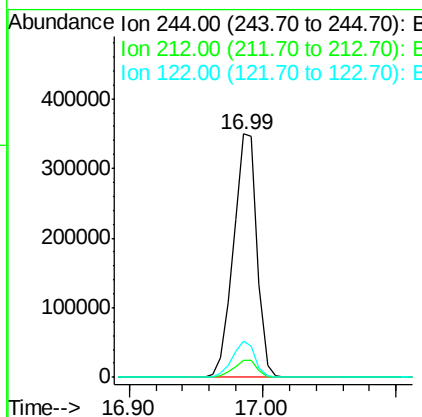
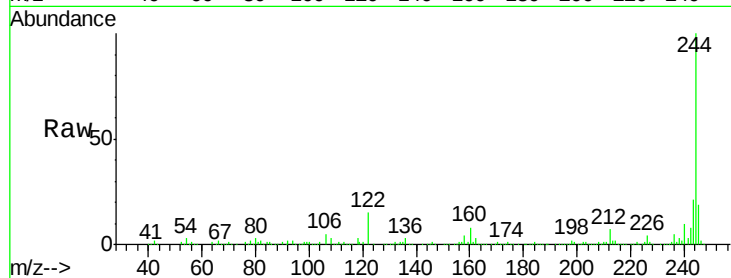




#78
 Terphenyl-d14
 Concen: 72.95 ng
 RT: 16.99 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BF095819.D
 Acq: 9 Jun 2017 13:51

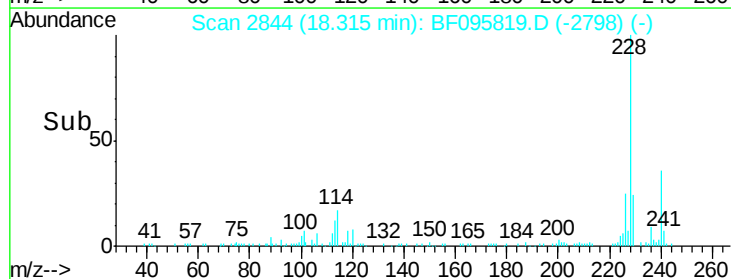
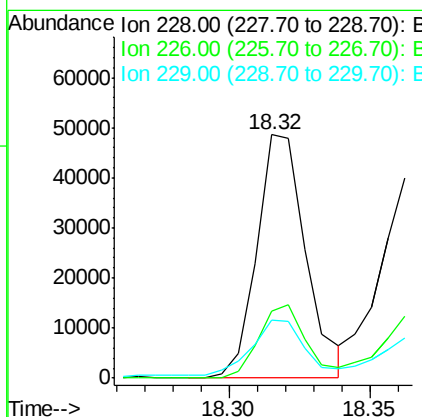
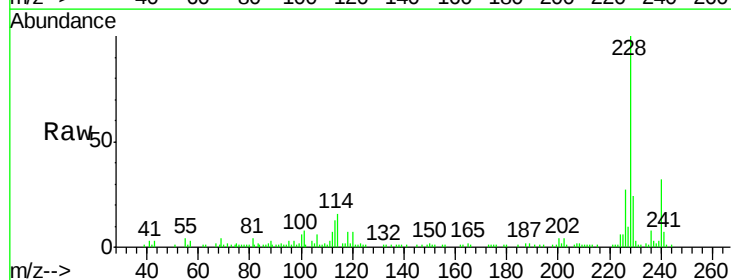
Instrument :
 BNA_F
 ClientSampleId :
 S-9

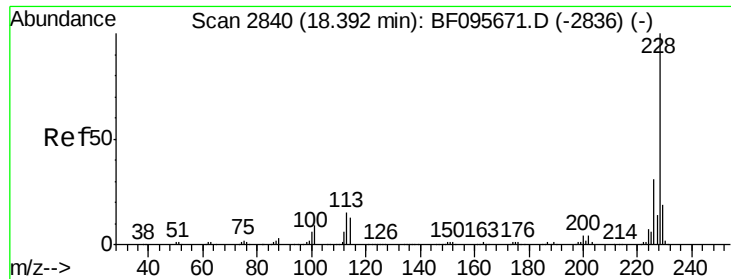
Tgt Ion:244 Resp: 429726
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.7 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 6.88 ng
 RT: 18.32 min Scan# 2844
 Delta R.T. -0.03 min
 Lab File: BF095819.D
 Acq: 9 Jun 2017 13:51

Tgt Ion:228 Resp: 58484
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.6 33.8
 229 23.7 16.3 24.5

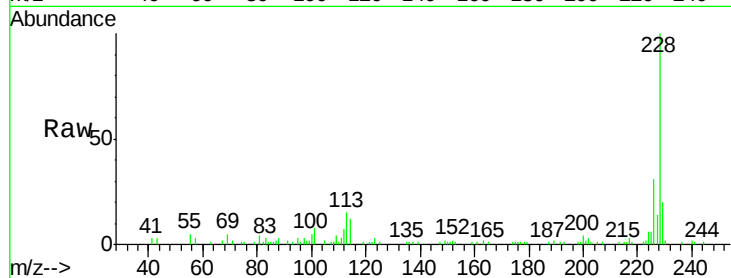




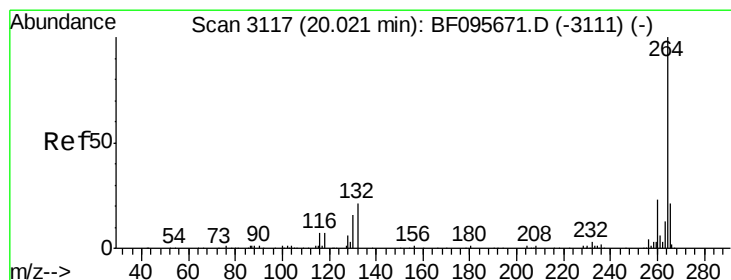
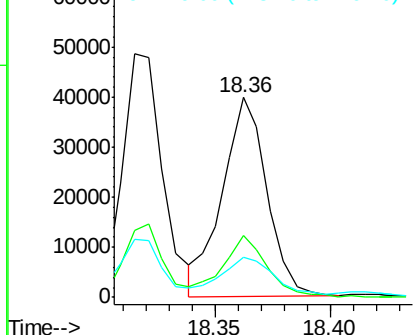
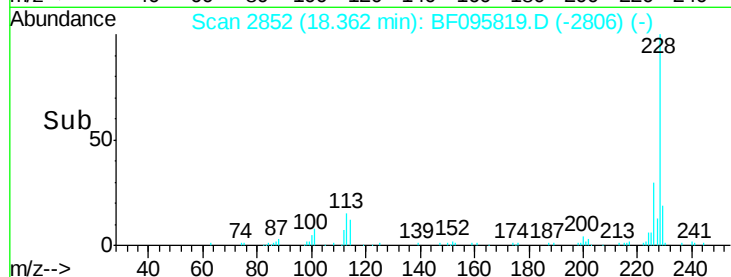
#82
Chrysene
Concen: 6.24 ng
RT: 18.36 min Scan# 2852
Delta R.T. -0.03 min
Lab File: BF095819.D
Acq: 9 Jun 2017 13:51

Instrument :
BNA_F
ClientSampleId :
S-9

Tgt Ion: 228 Resp: 53032
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 19.8 15.8 23.6

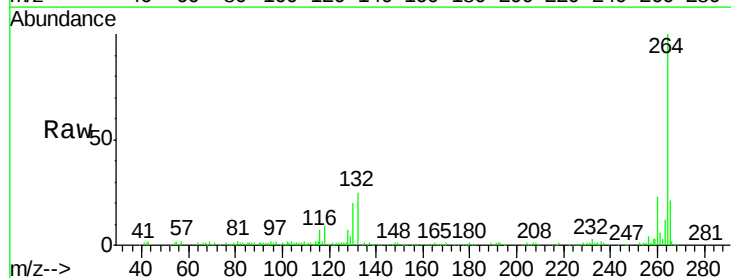


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

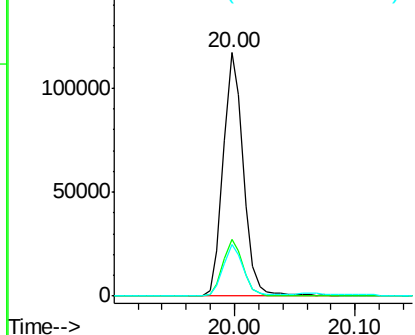
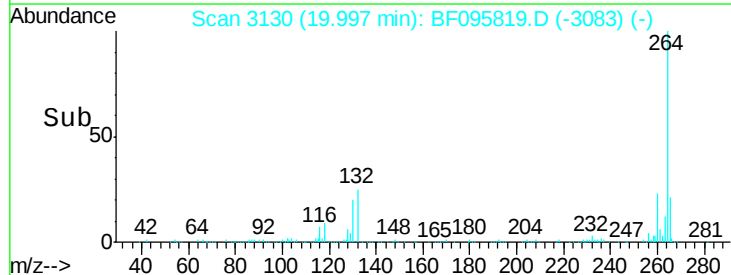


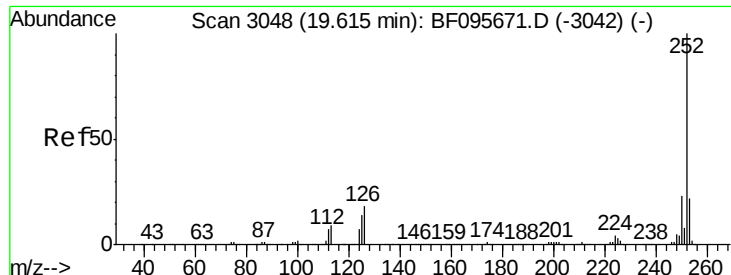
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BF095819.D
Acq: 9 Jun 2017 13:51

Tgt Ion: 264 Resp: 135668
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 21.0 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

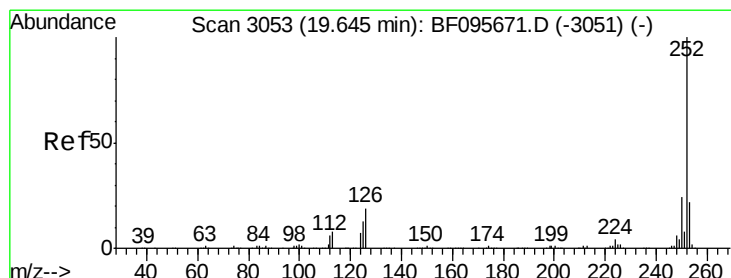
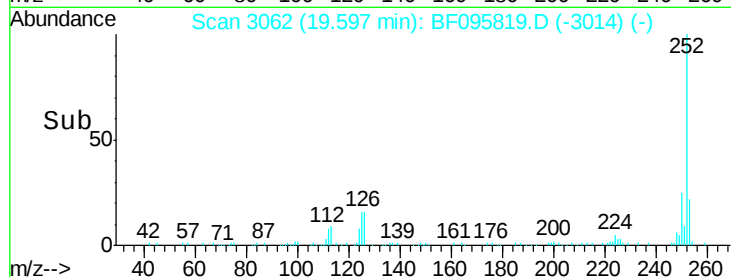
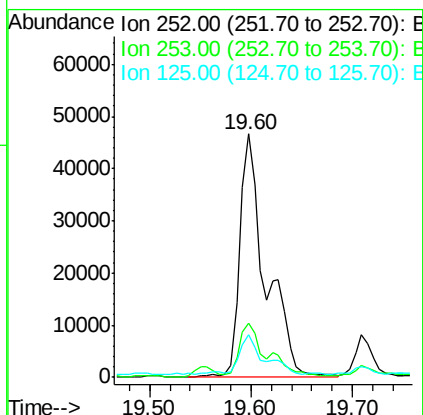
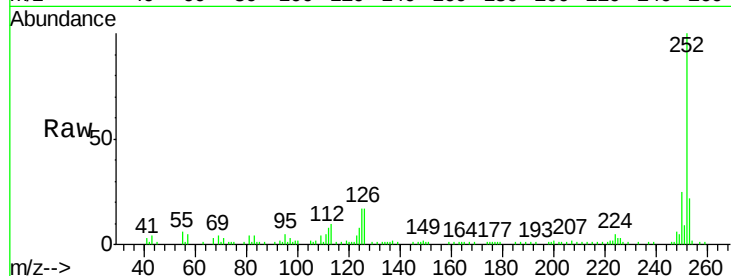




#87
Benzo(b)fluoranthene
Concen: 9.78 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095819.D
Acq: 9 Jun 2017 13:51

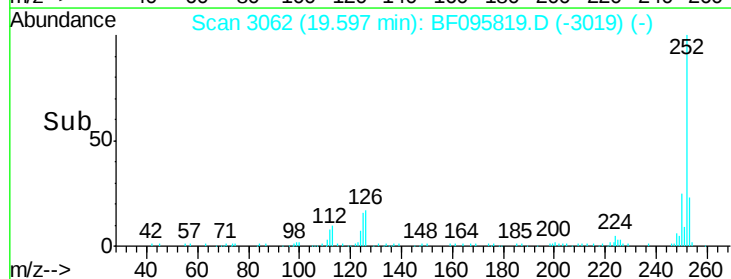
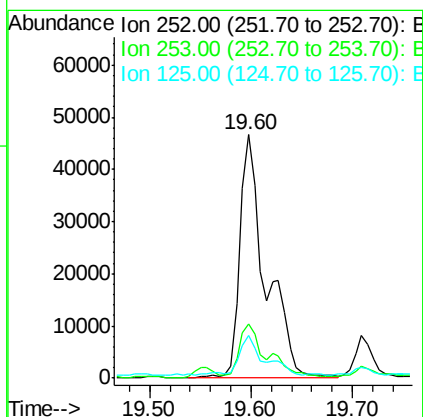
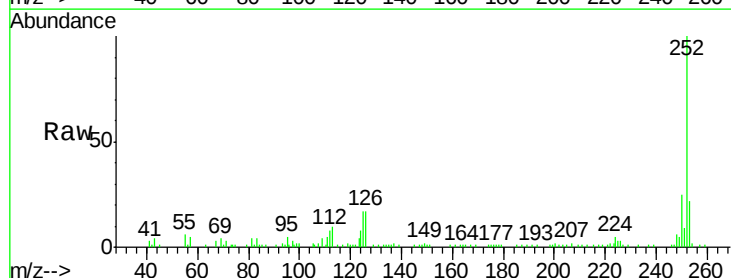
Instrument :
BNA_F
ClientSampleId :
S-9

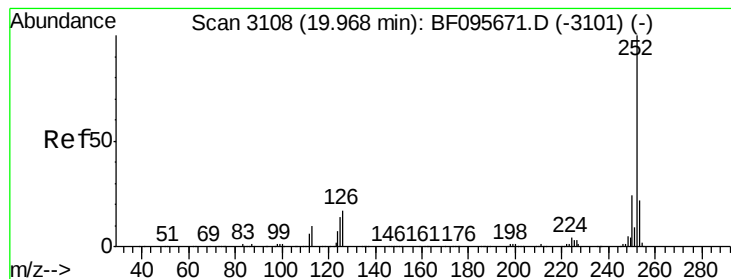
Tgt Ion:252 Resp: 83046
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 17.3 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 10.23 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.05 min
Lab File: BF095819.D
Acq: 9 Jun 2017 13:51

Tgt Ion:252 Resp: 83046
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 17.3 13.1 19.7





#89

Benzo(a)pyrene

Concen: 5.85 ng

RT: 19.94 min Scan# 3121

Delta R.T. -0.02 min

Lab File: BF095819.D

Acq: 9 Jun 2017 13:51

Instrument :

BNA_F

ClientSampled :

S-9

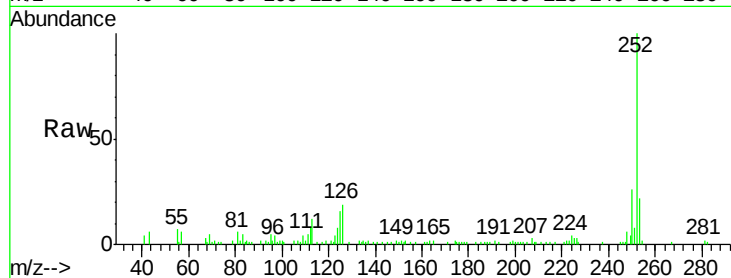
Tgt Ion: 252 Resp: 45688

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

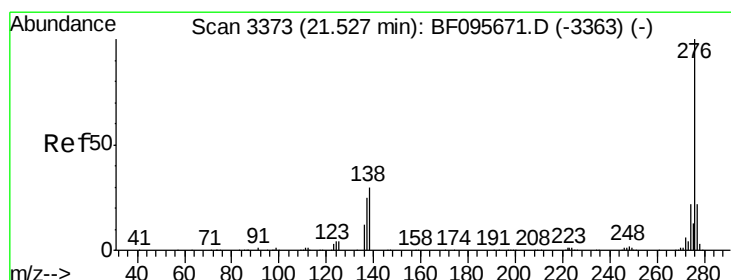
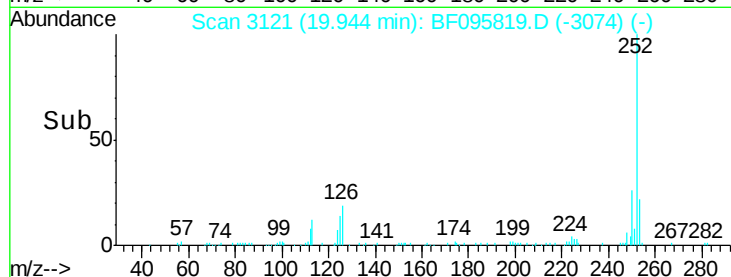
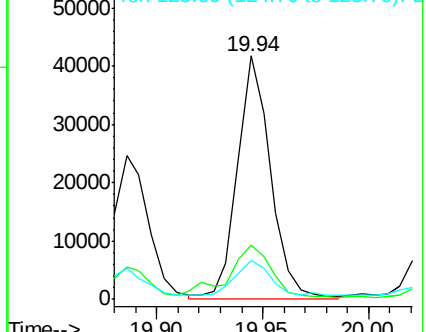
125 16.0 11.0 16.4



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: 3.25 ng

RT: 21.51 min Scan# 3388

Delta R.T. -0.01 min

Lab File: BF095819.D

Acq: 9 Jun 2017 13:51

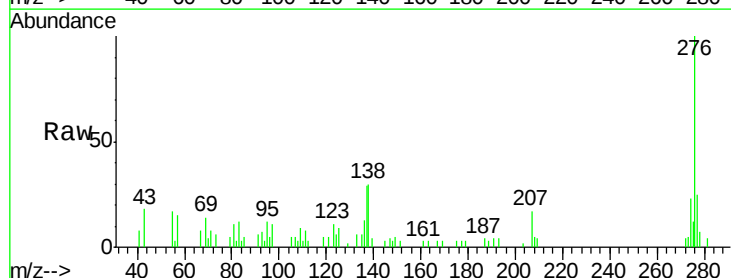
Tgt Ion: 276 Resp: 21921

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 30.4 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

