

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
 Data File : BF099866.D
 Acq On : 26 Oct 2017 17:25
 Operator : SJ/JU
 Sample : I6078-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 19:01:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 16:31:52 2017
 Response via : Initial Calibration

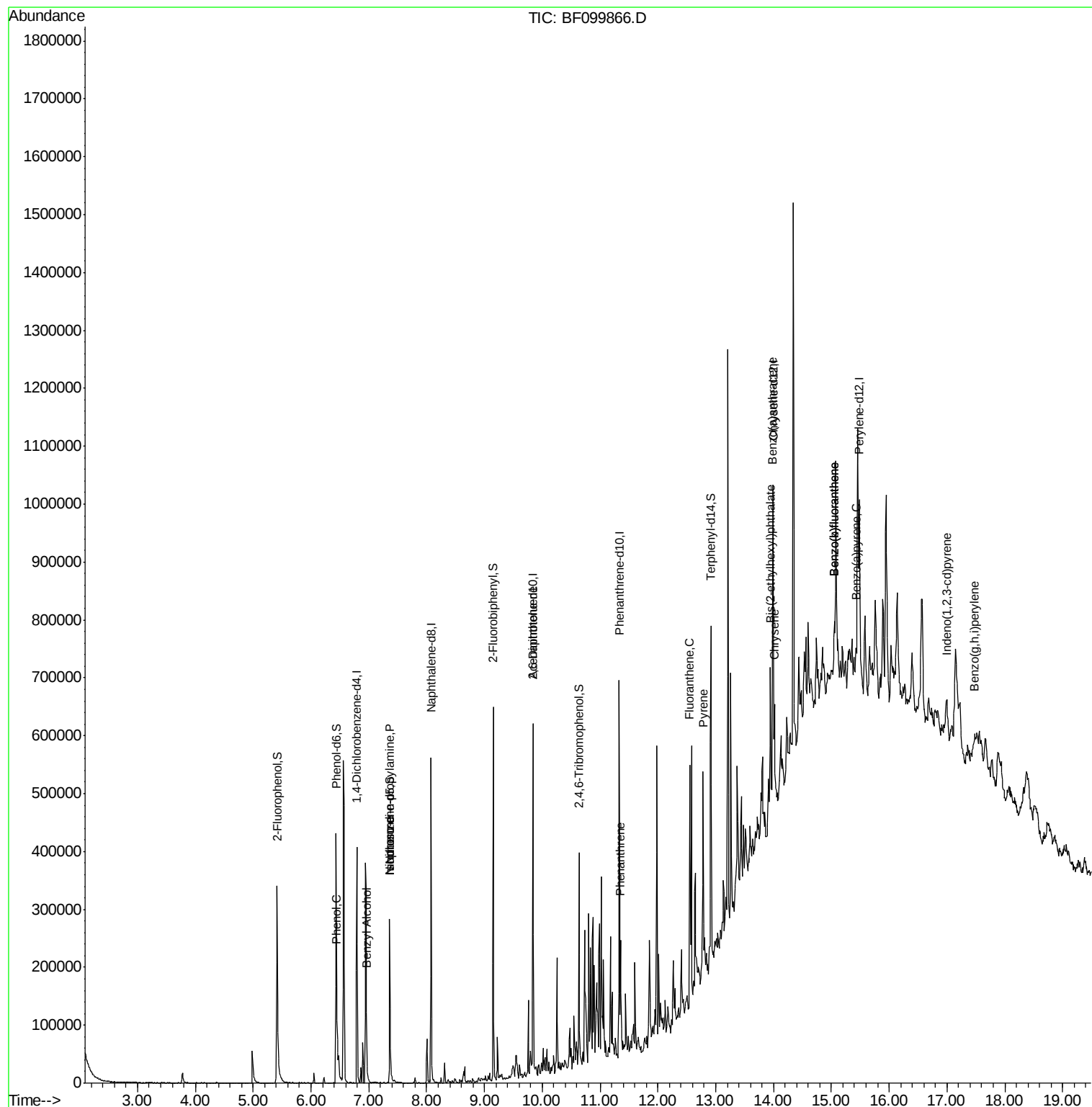
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	64193	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	260663	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	118785	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	212521	20.00	ng	0.00
75) Chrysene-d12	13.99	240	186922	20.00	ng	0.00
86) Perylene-d12	15.49	264	167122	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	156377	38.25	ng	0.00
7) Phenol-d6	6.43	99	200700	41.40	ng	0.00
23) Nitrobenzene-d5	7.36	82	105258	26.00	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	40427	37.35	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	193712	25.16	ng	0.00
78) Terphenyl-d14	12.92	244	166628	19.48	ng	0.00
Target Compounds						
10) Phenol	6.45	94	11412	2.144	ng	83
15) Benzyl Alcohol	6.96	79	9066	2.940	ng	90
19) n-Nitroso-di-n-propylamine	7.36	70	13229	4.656	ng	# 69
25) Isophorone	7.36	82	105258	14.327	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	15633	7.905	ng	# 26
70) Phenanthrene	11.36	178	62702	5.228	ng	99
74) Fluoranthene	12.55	202	148115	11.883	ng	99
77) Pyrene	12.78	202	115620	8.135	ng	98
80) Benzo(a)anthracene	13.98	228	44710	3.773	ng	96
82) Chrysene	14.02	228	62104	5.575	ng	98
83) Bis(2-ethylhexyl)phthalate	13.94	149	78933	8.031	ng	100
85) Indeno(1,2,3-cd)pyrene	17.00	276	22374	2.188	ng	# 93
87) Benzo(b)fluoranthene	15.05	252	91500	8.671	ng	# 76
88) Benzo(k)fluoranthene	15.05	252	91500	9.195	ng	# 79
89) Benzo(a)pyrene	15.43	252	40897	4.314	ng	# 65
91) Benzo(g,h,i)perylene	17.47	276	23711	2.877	ng	# 80

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

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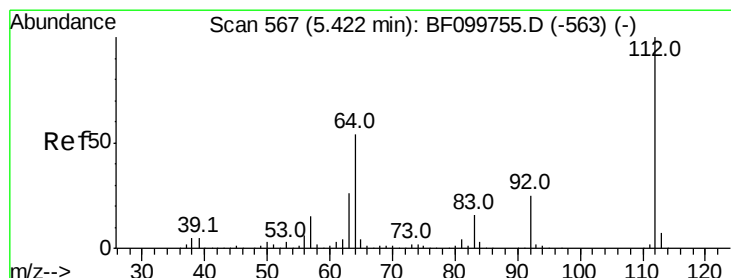
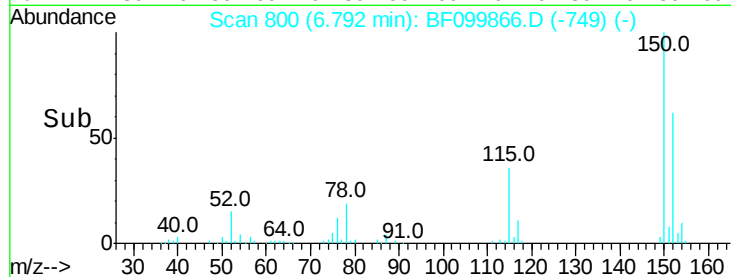
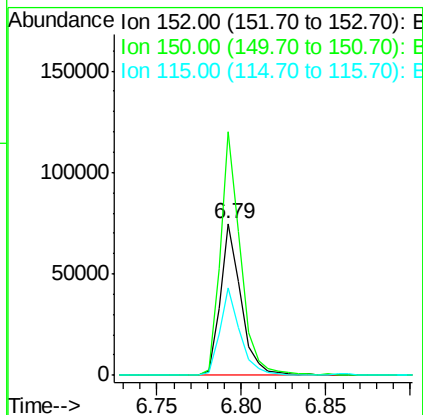
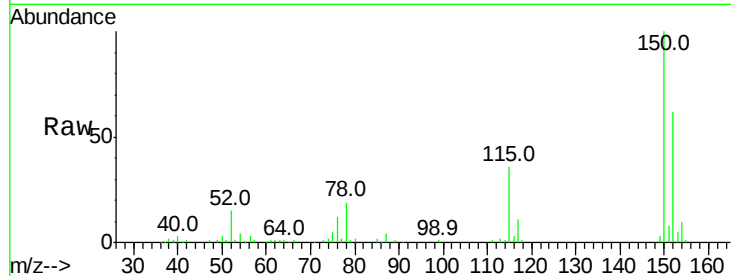


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF099866.D
 Acq: 26 Oct 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :

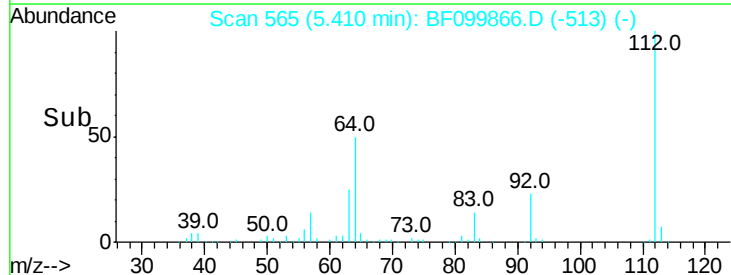
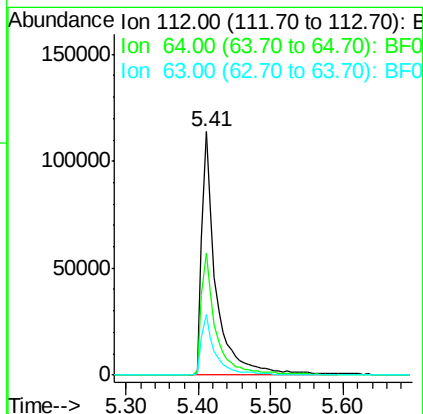
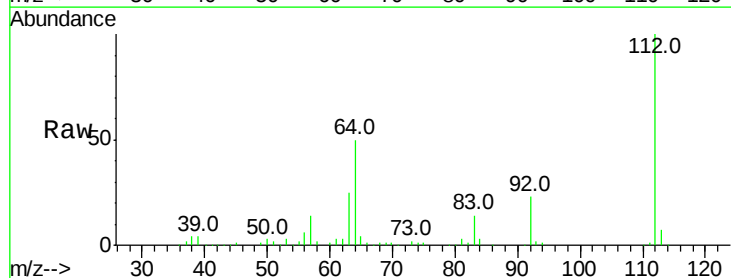
Tot Ion:152 Resp: 64193
 Ion Ratio Lower Upper
 152 100
 150 160.4 124.6 186.8
 115 57.9 50.1 75.1



#5

2-Fluorophenol
 Concen: 38.245 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF099866.D
 Acq: 26 Oct 2017 17:25

Tgt Ion:112 Resp: 156377
 Ion Ratio Lower Upper
 112 100
 64 50.1 47.9 71.9
 63 24.8 23.7 35.5





#7

Phenol-d6

Concen: 41.397 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

Instrument :

BNA_F

ClientSampleId :

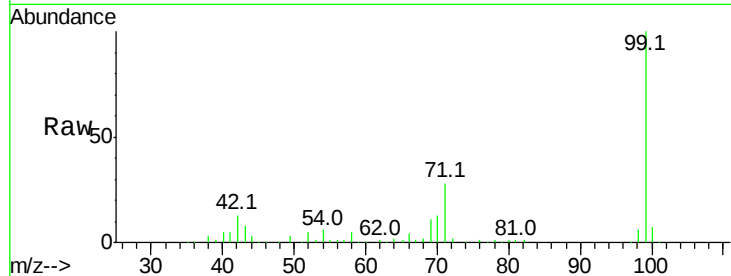
Tot Ion: 99 Resp: 200700

Ion Ratio Lower Upper

99 100

42 13.5 14.5 21.7#

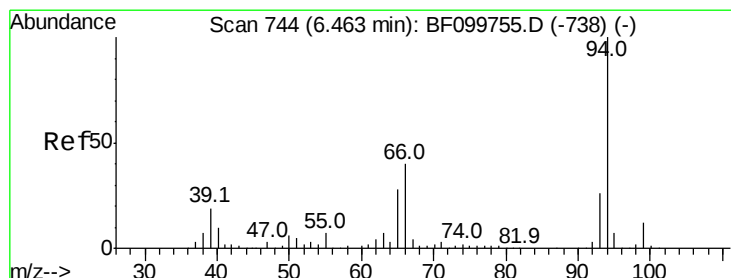
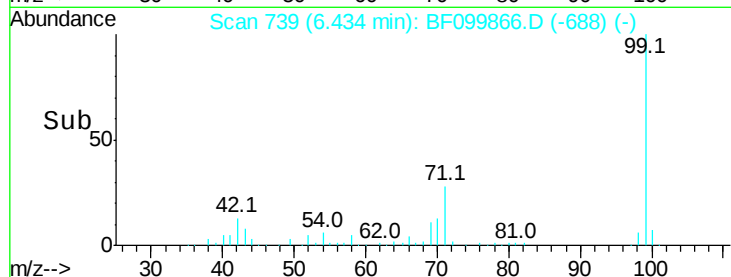
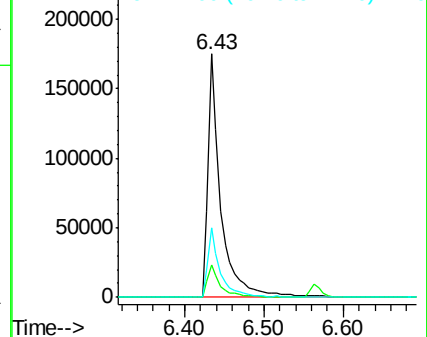
71 28.4 25.4 38.0



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: 2.144 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

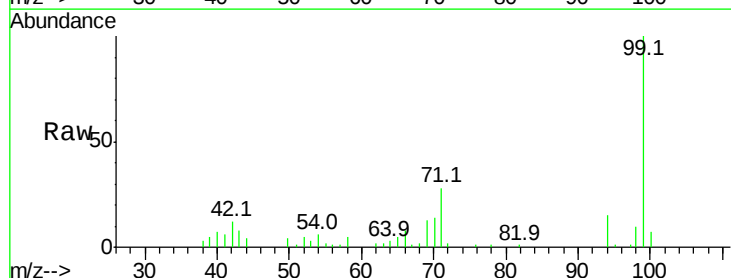
Tgt Ion: 94 Resp: 11412

Ion Ratio Lower Upper

94 100

65 30.7 7.9 47.9

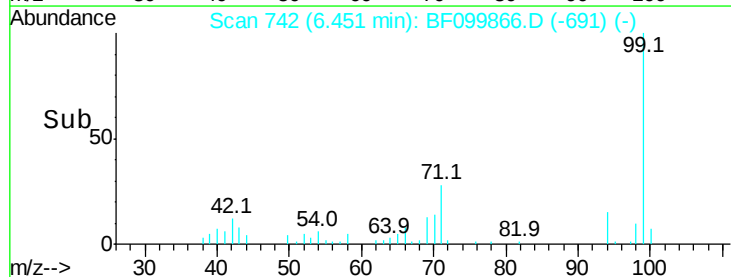
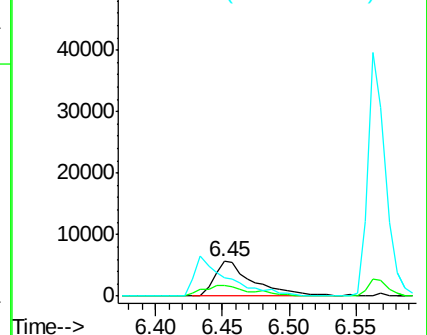
66 51.5 16.2 56.2

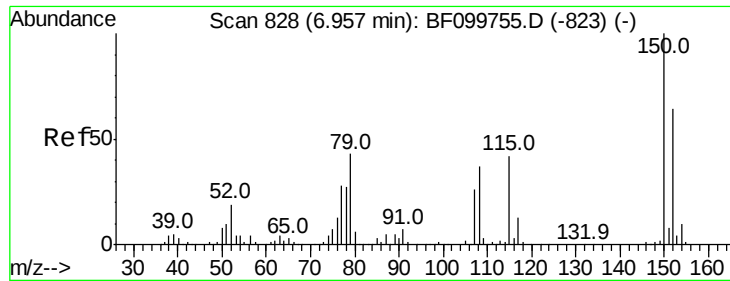


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

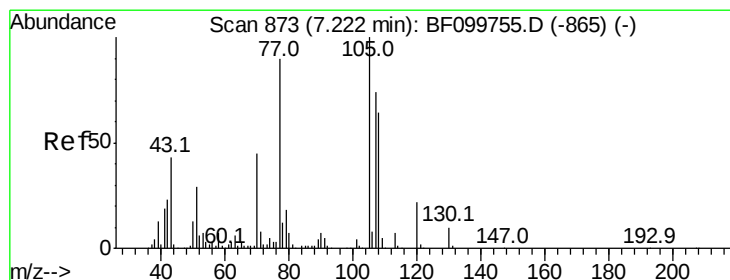
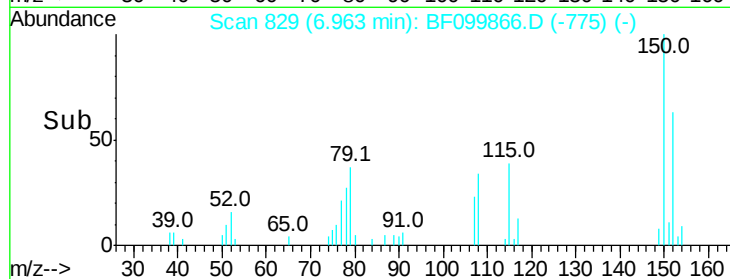
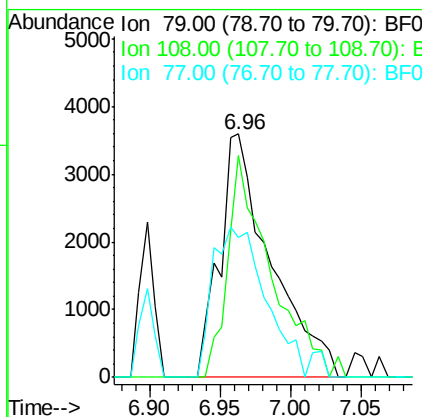
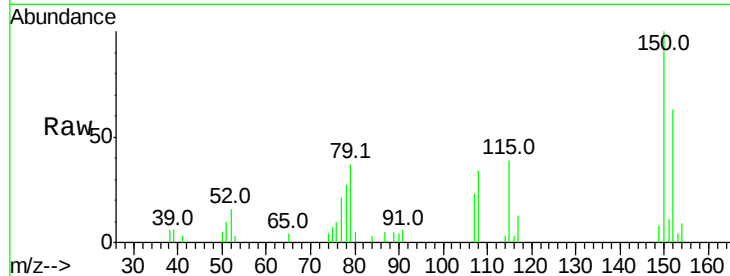




#15
Benzyl Alcohol
Concen: 2.940 ng
RT: 6.96 min Scan# 829
Delta R.T. 0.02 min
Lab File: BF099866.D
Acq: 26 Oct 2017 17:25

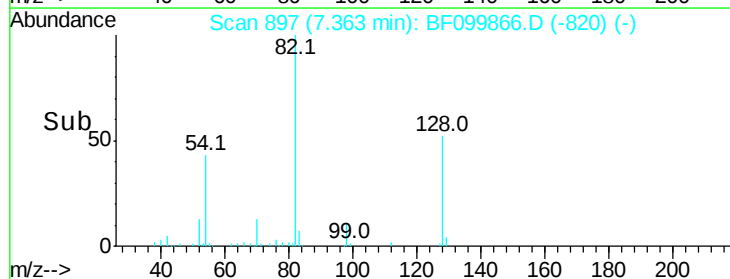
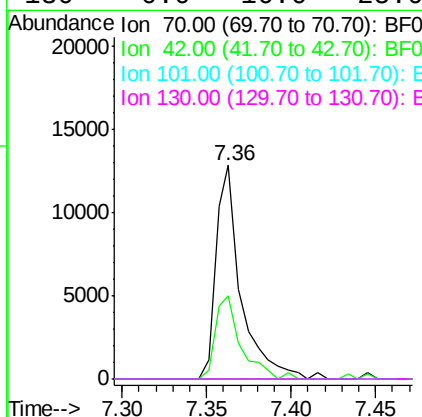
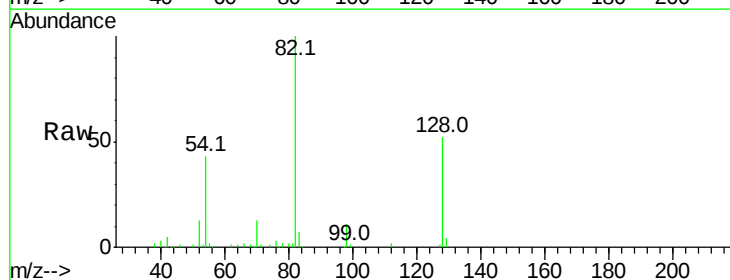
Instrument :
BNA_F
ClientSampleID :

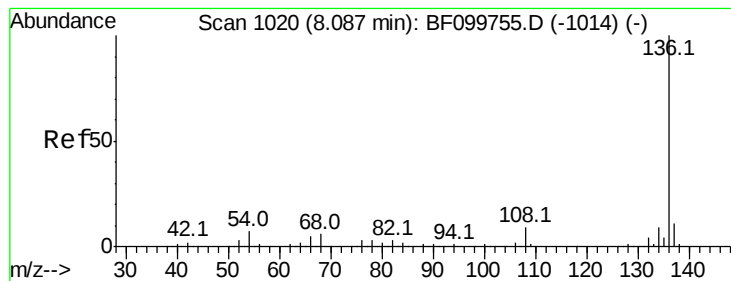
Tot Ion: 79 Resp: 9066
Ion Ratio Lower Upper
79 100
108 91.3 65.1 97.7
77 57.3 50.6 75.8



#19
n-Nitroso-di-n-propylamine
Concen: 4.656 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.15 min
Lab File: BF099866.D
Acq: 26 Oct 2017 17:25

Tgt Ion: 70 Resp: 13229
Ion Ratio Lower Upper
70 100
42 38.9 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 260663

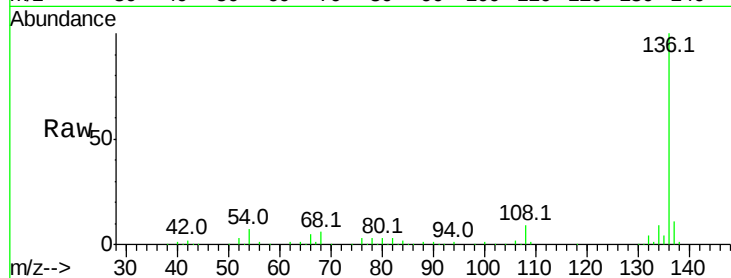
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.8 6.6 9.8

68 5.9 5.0 7.4

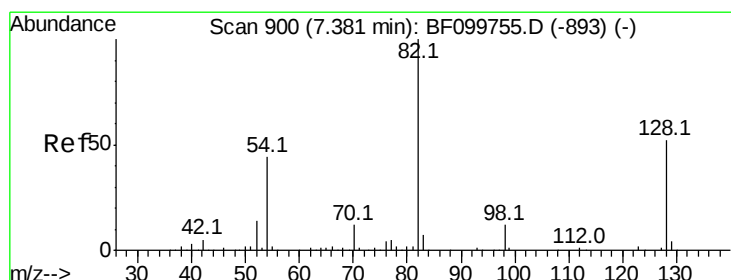
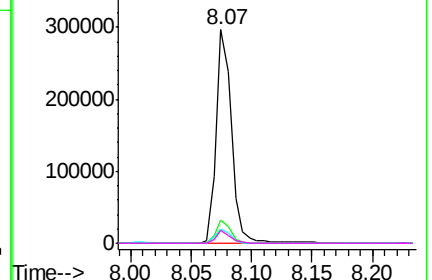
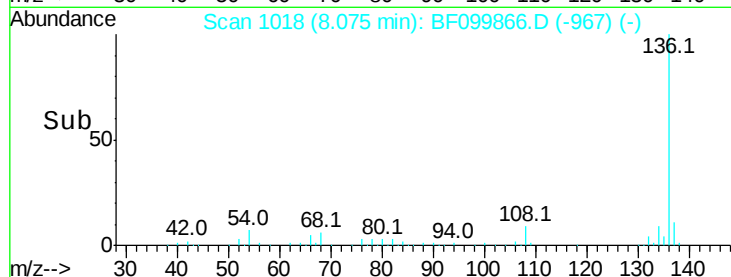


Abundance Ion 136.00 (135.70 to 136.70): E

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: 25.997 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

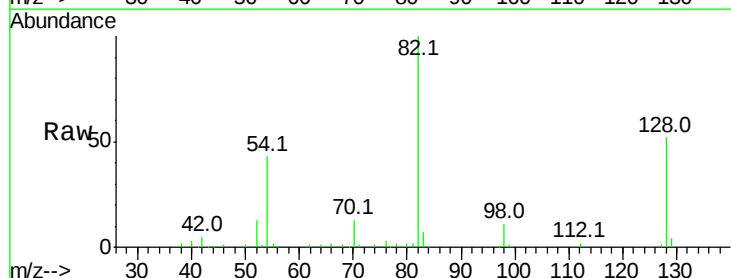
Tgt Ion: 82 Resp: 105258

Ion Ratio Lower Upper

82 100

128 51.9 36.1 54.1

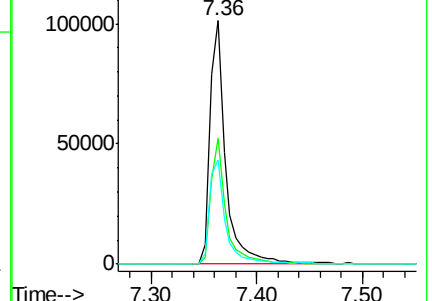
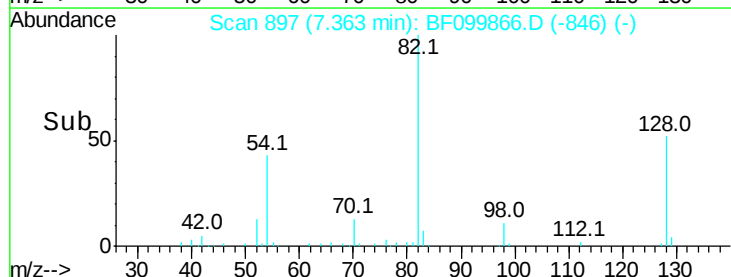
54 43.0 41.4 62.2

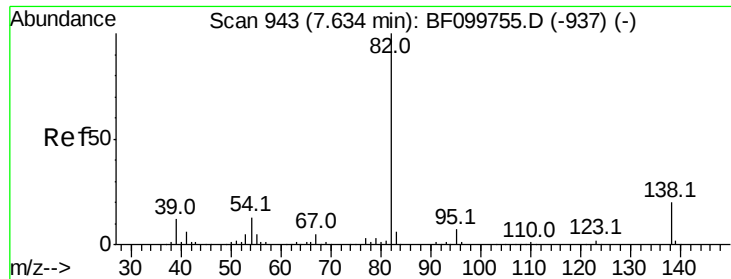


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 14.327 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

Instrument :

BNA_F

ClientSampled :

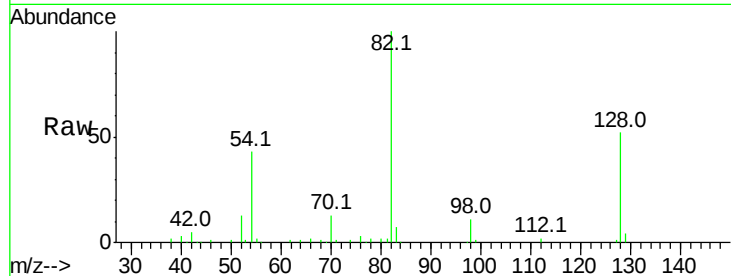
Tot Ion: 82 Resp: 105258

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

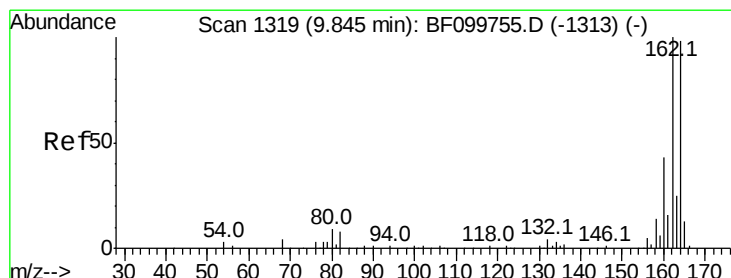
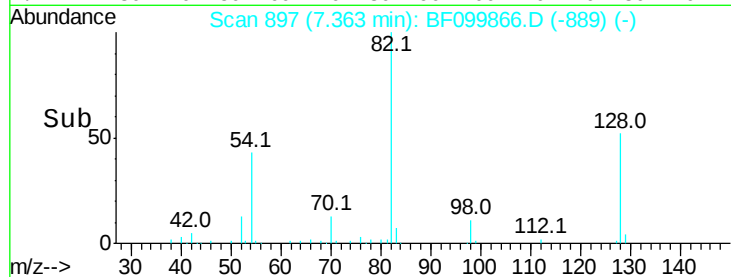
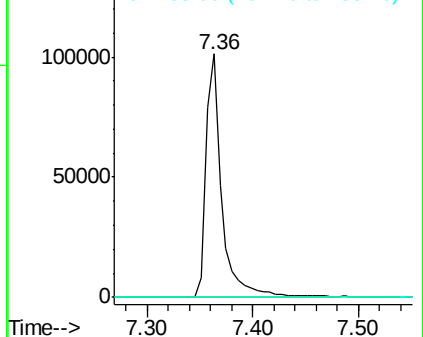
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

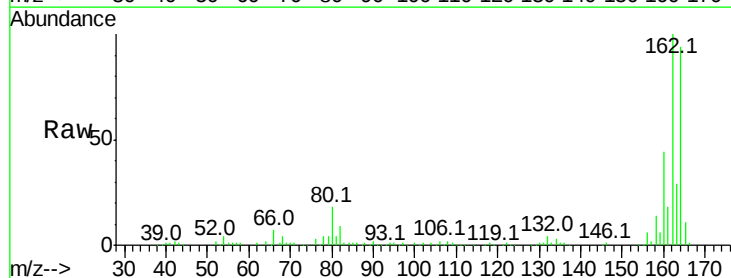
Tgt Ion:164 Resp: 118785

Ion Ratio Lower Upper

164 100

162 106.1 86.1 129.1

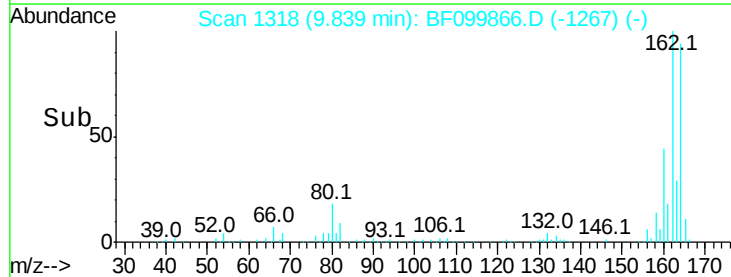
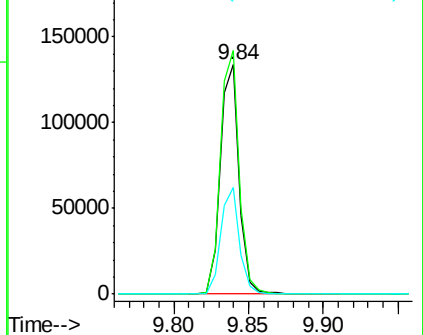
160 46.6 38.3 57.5

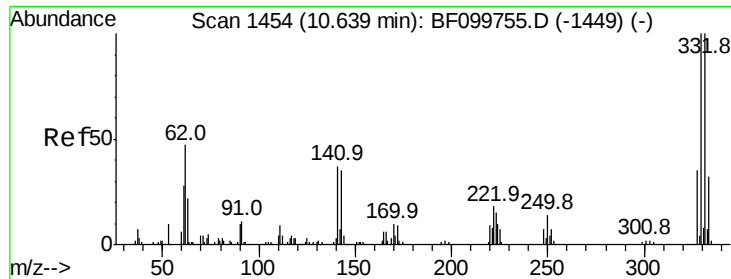


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

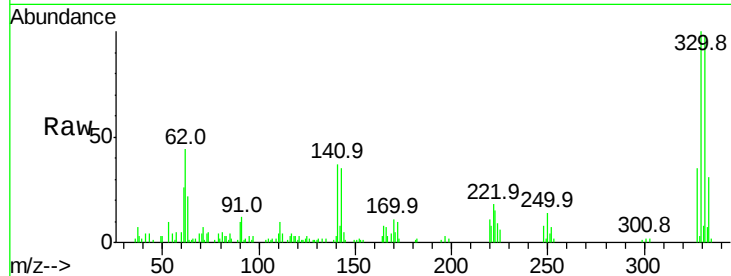




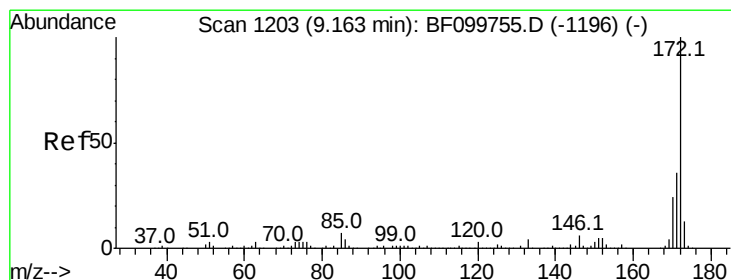
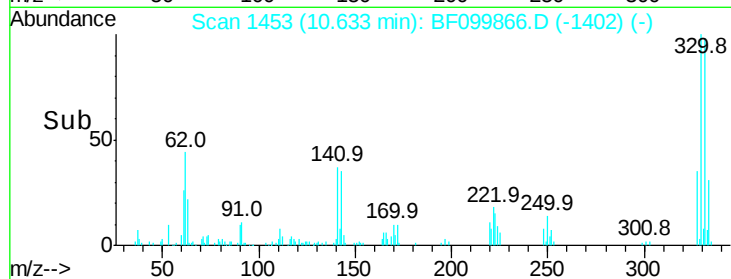
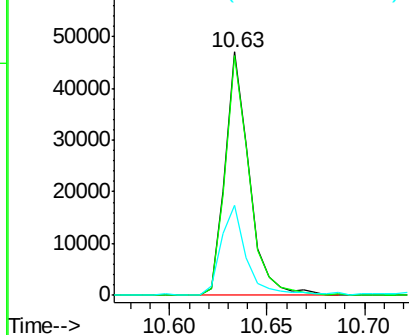
#41
 2,4,6-Tribromophenol
 Concen: 37.346 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF099866.D
 Acq: 26 Oct 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 40427
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.0 115.6
 141 39.3 29.9 44.9

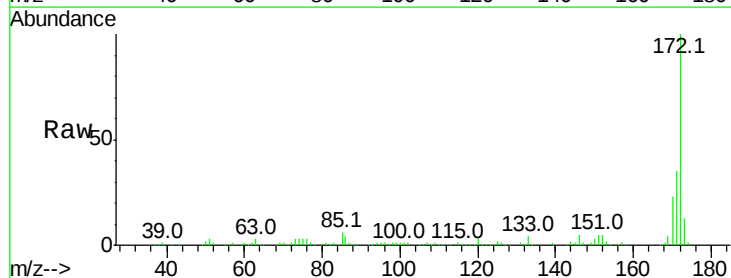


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

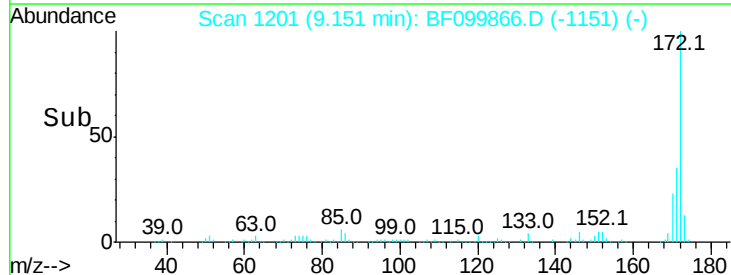
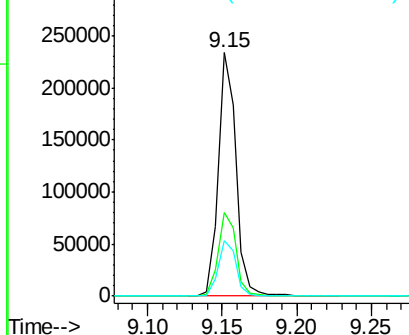


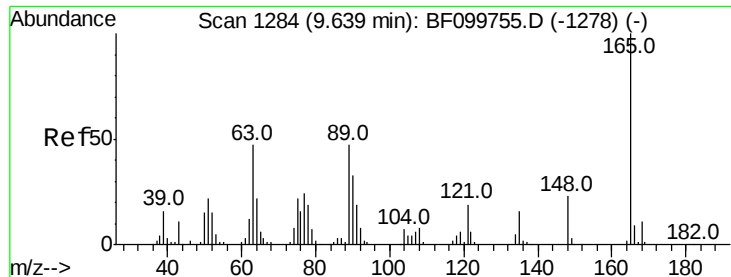
#44
 2-Fluorobiphenyl
 Concen: 25.160 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF099866.D
 Acq: 26 Oct 2017 17:25

Tgt Ion:172 Resp: 193712
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.7 44.5
 170 22.8 19.6 29.4



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





#50

2,6-Dinitrotoluene

Concen: 7.905 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

Instrument :

BNA_F

ClientSampleId :

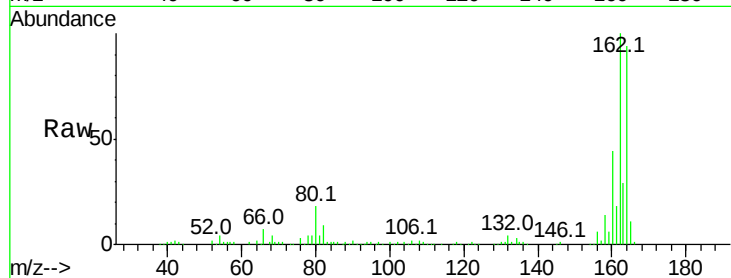
Tot Ion:165 Resp: 15633

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

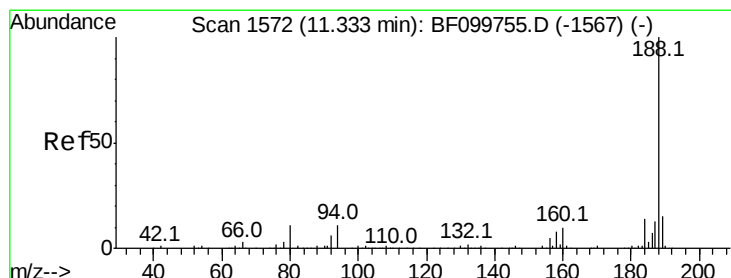
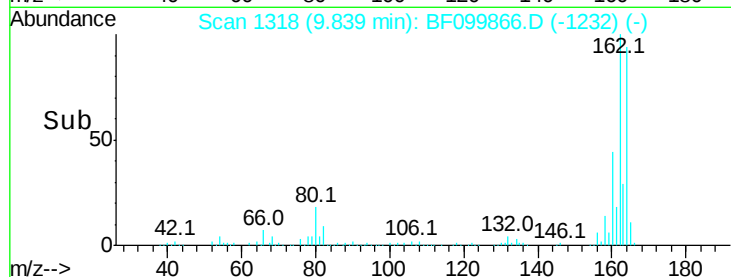
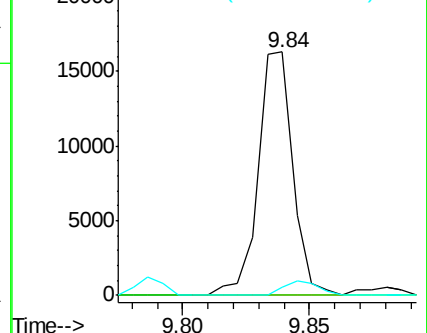
89 3.2 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

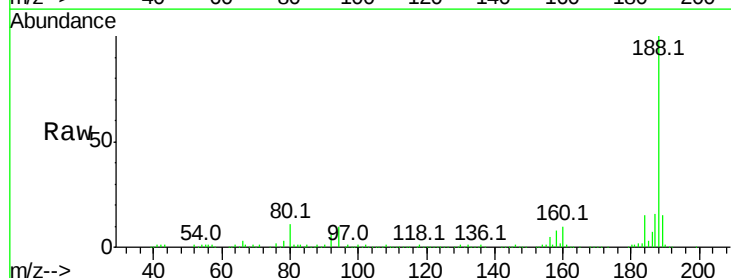
Tgt Ion:188 Resp: 212521

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

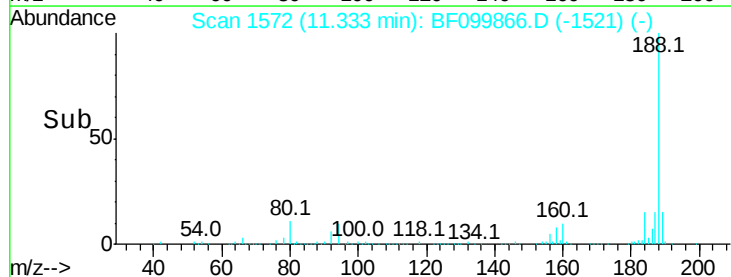
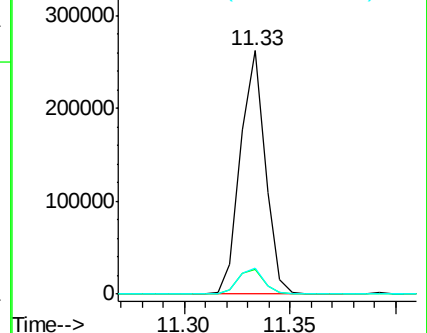
80 10.5 9.2 13.8

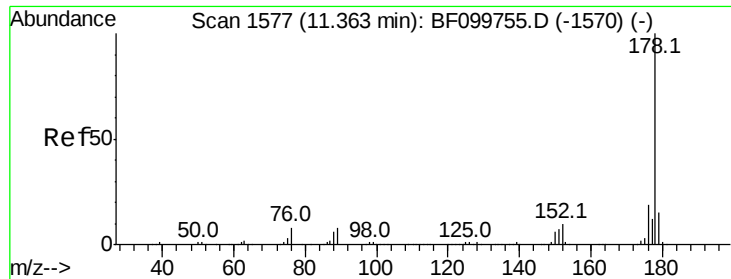


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

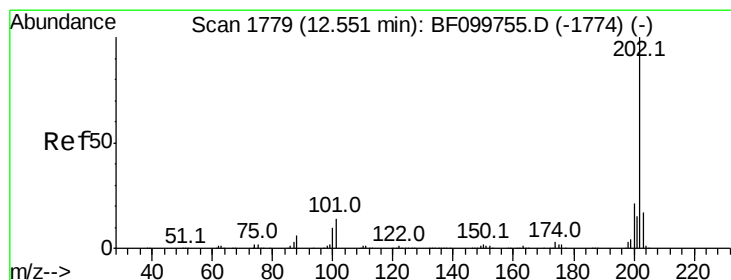
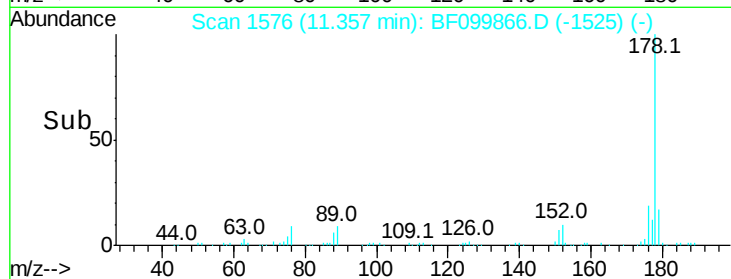
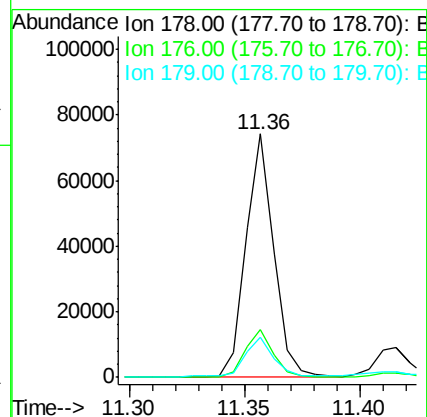
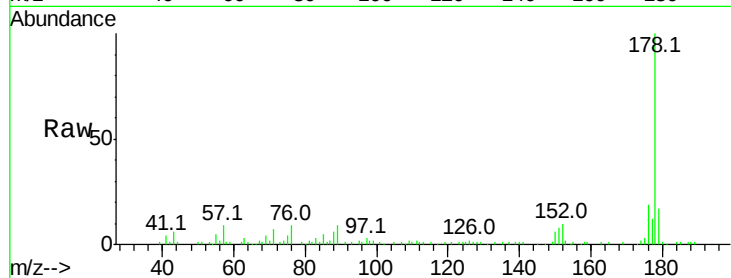




#70
Phenanthrene
Concen: 5.228 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF099866.D
Acq: 26 Oct 2017 17:25

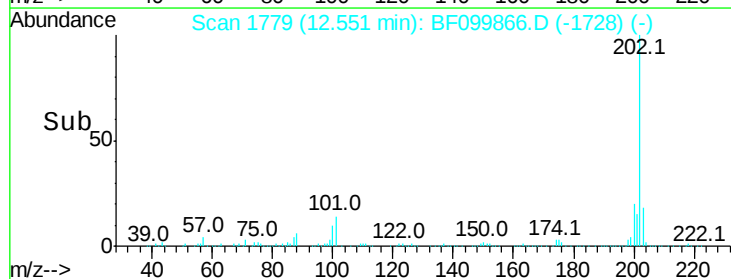
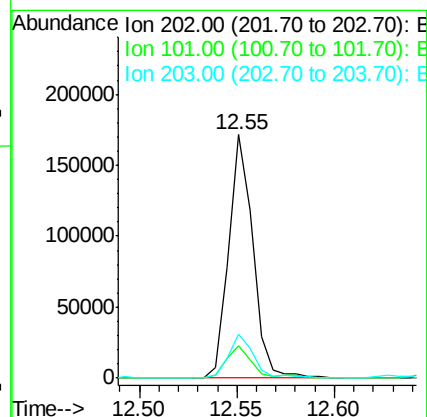
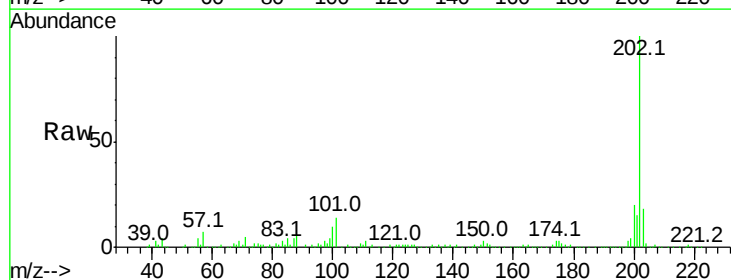
Instrument :
BNA_F
ClientSampleId :

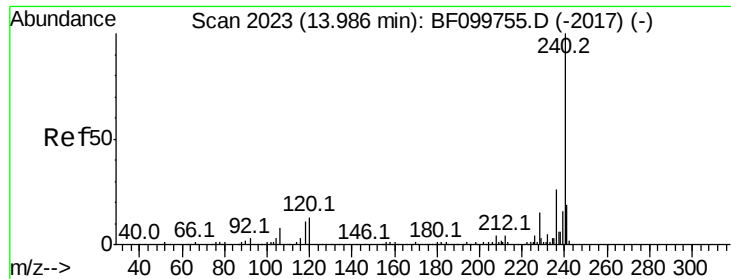
Tot Ion:178 Resp: 62702
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 16.7 13.0 19.6



#74
Fluoranthene
Concen: 11.883 ng
RT: 12.55 min Scan# 1779
Delta R.T. 0.00 min
Lab File: BF099866.D
Acq: 26 Oct 2017 17:25

Tgt Ion:202 Resp: 148115
Ion Ratio Lower Upper
202 100
101 13.6 0.0 34.1
203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

Instrument :

BNA_F

ClientSampled :

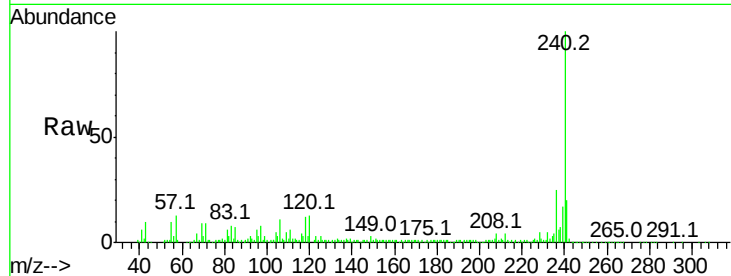
Tot Ion:240 Resp: 186922

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

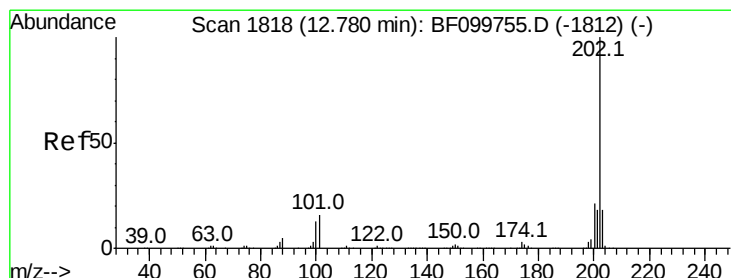
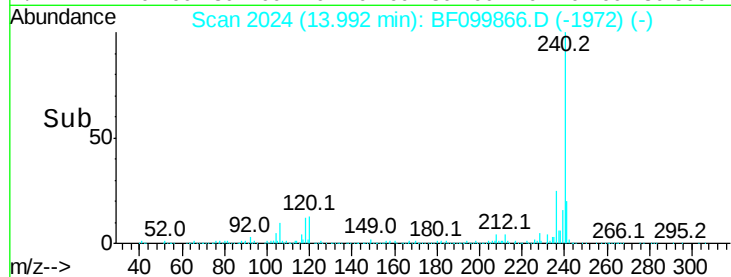
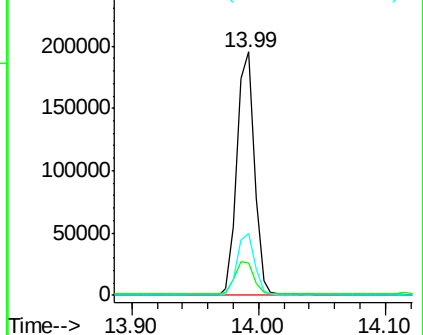
236 25.2 20.7 31.1



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: 8.135 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

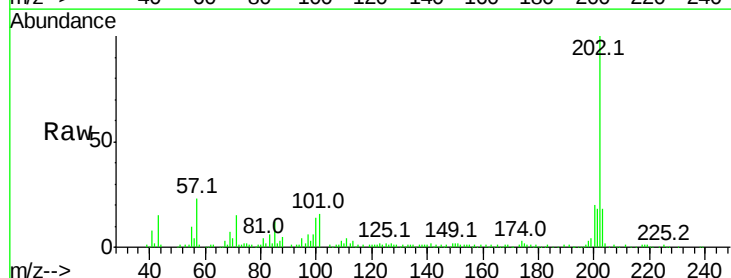
Tgt Ion:202 Resp: 115620

Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

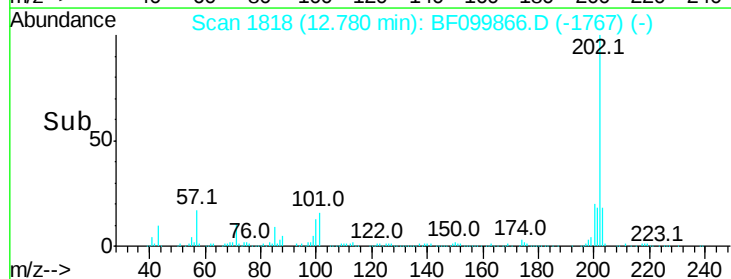
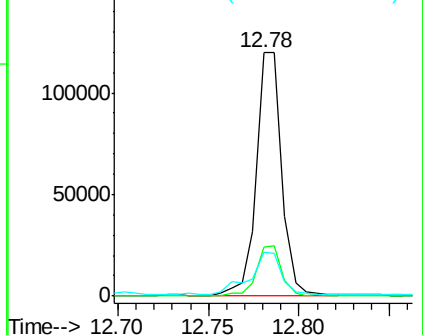
203 17.9 14.3 21.5

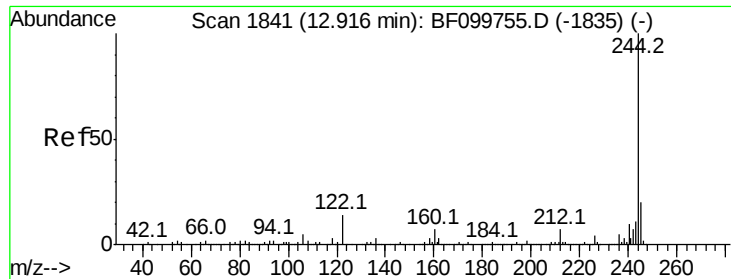


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 19.481 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

Instrument :

BNA_F

ClientSampled :

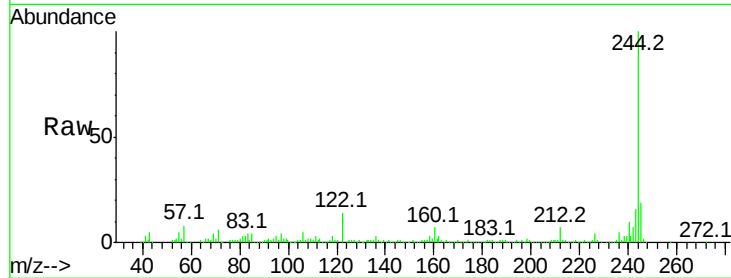
Tot Ion:244 Resp: 166628

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 13.5 11.0 16.4

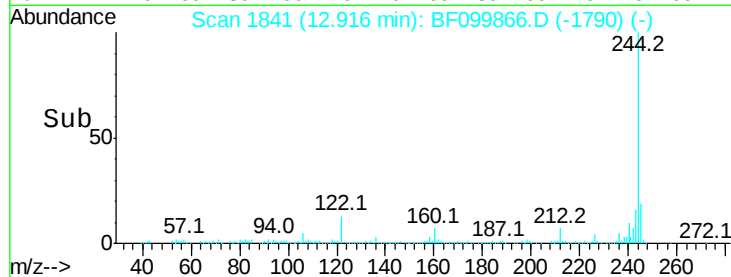


Abundance Ion 244.00 (243.70 to 244.70): E

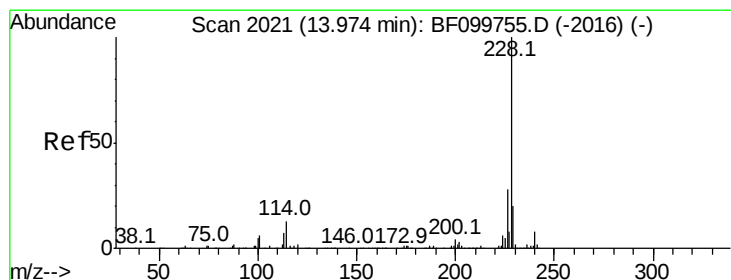
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time--> 12.85 12.90 12.95



Time--> 12.85 12.90 12.95



#80

Benzo(a)anthracene

Concen: 3.773 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

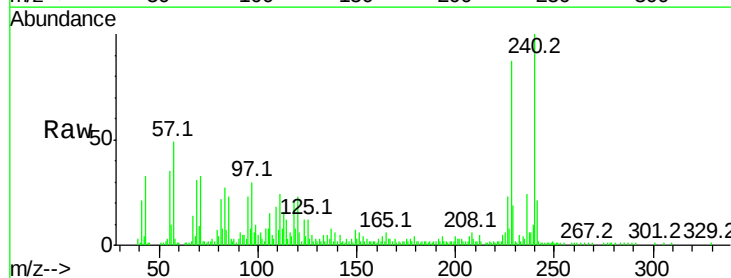
Tgt Ion:228 Resp: 44710

Ion Ratio Lower Upper

228 100

226 26.0 22.6 33.8

229 21.6 15.8 23.6

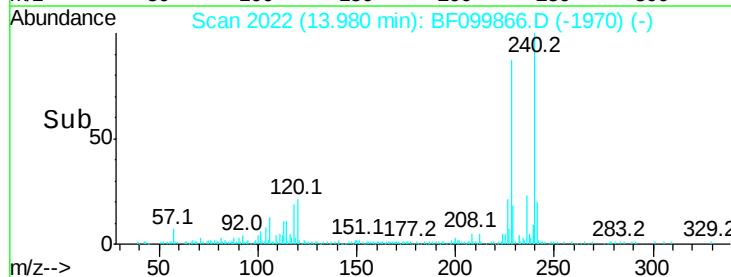


Abundance Ion 228.00 (227.70 to 228.70): E

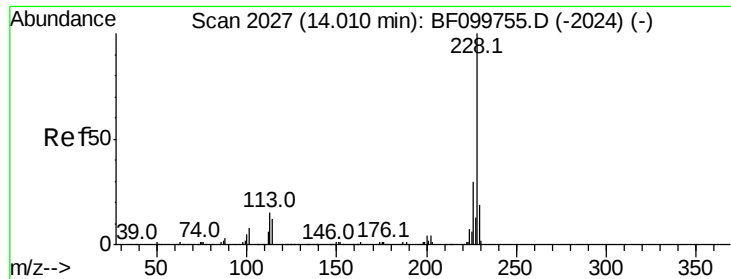
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time--> 13.90 13.95 14.00



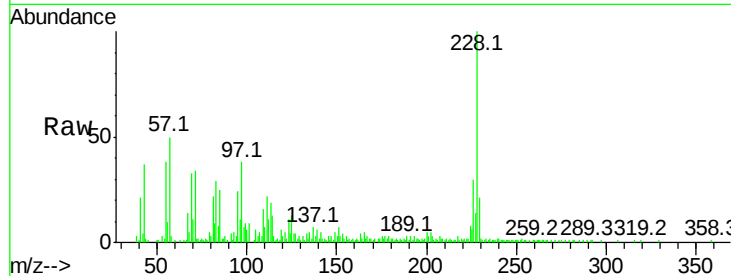
Time--> 13.90 13.95 14.00



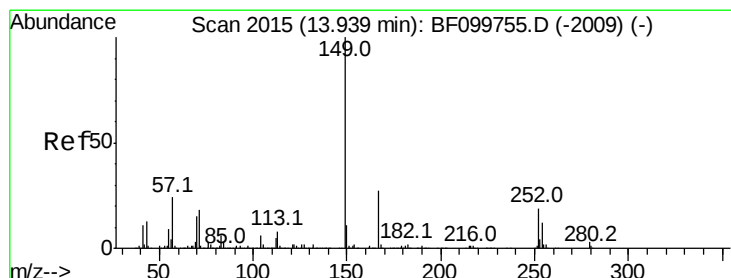
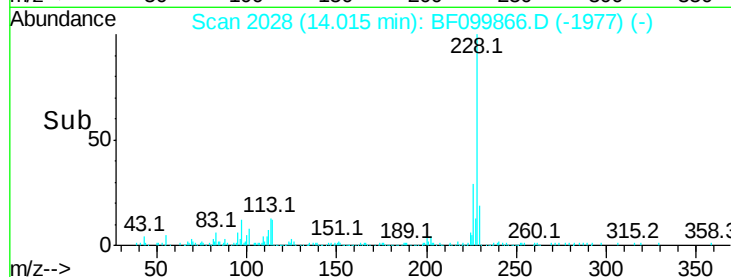
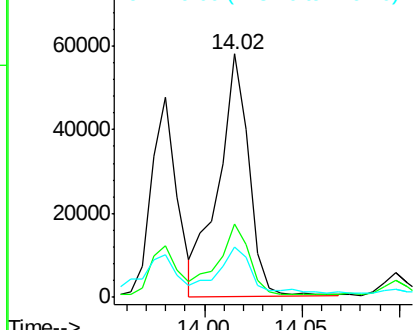
#82
 Chrysene
 Concen: 5.575 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF099866.D
 Acq: 26 Oct 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:228 Resp: 62104
 Ion Ratio Lower Upper
 228 100
 226 30.1 25.0 37.6
 229 20.6 16.2 24.4

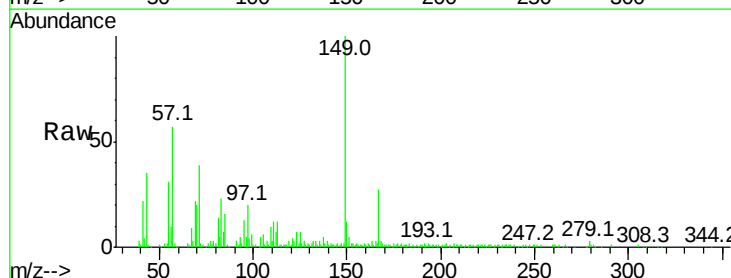


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

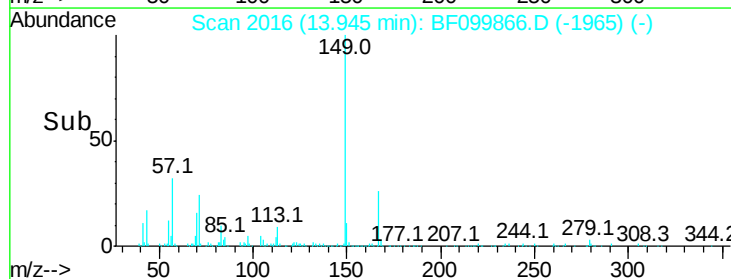
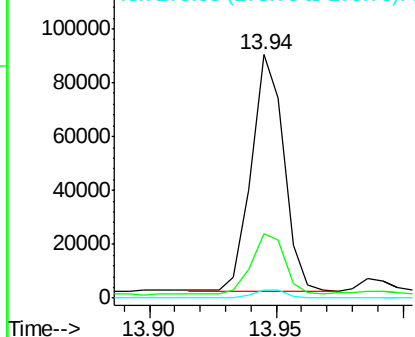


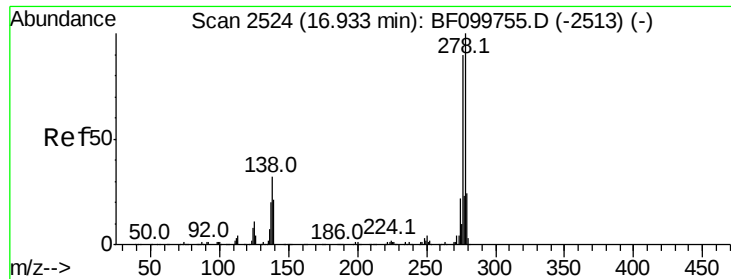
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.031 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BF099866.D
 Acq: 26 Oct 2017 17:25

Tgt Ion:149 Resp: 78933
 Ion Ratio Lower Upper
 149 100
 167 26.7 21.3 31.9
 279 3.3 3.0 4.4



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: 2.188 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.05 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

Instrument :

BNA_F

ClientSampleId :

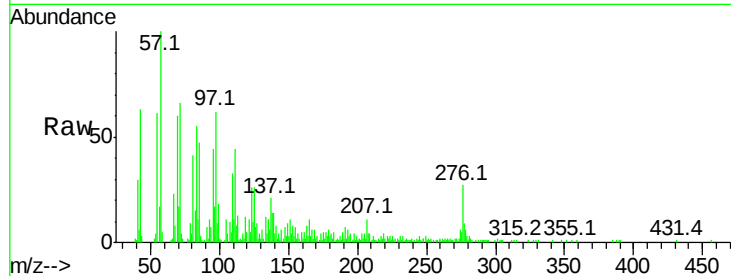
Tot Ion:276 Resp: 22374

Ion Ratio Lower Upper

276 100

138 37.9 25.0 37.6#

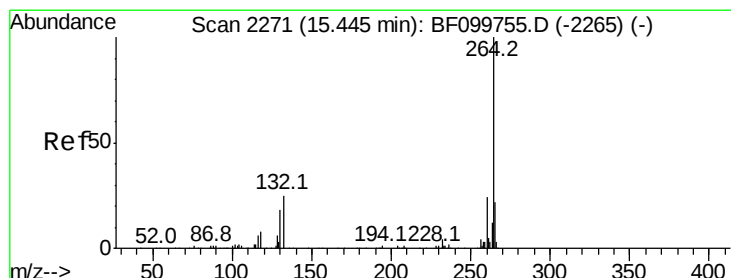
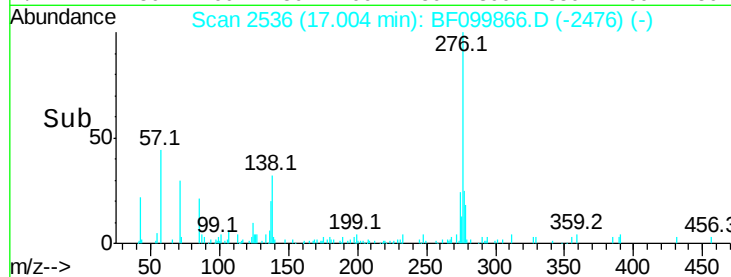
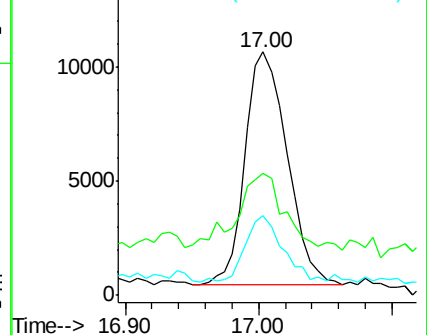
277 24.7 20.1 30.1



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: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.03 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

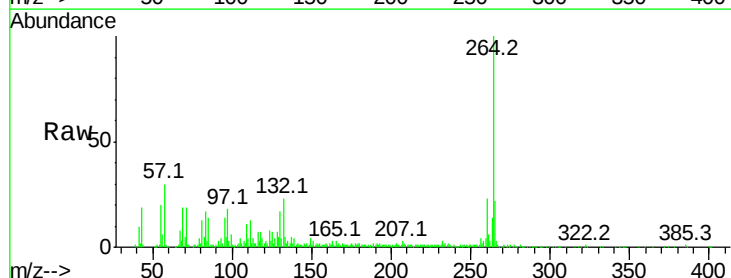
Tgt Ion:264 Resp: 167122

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

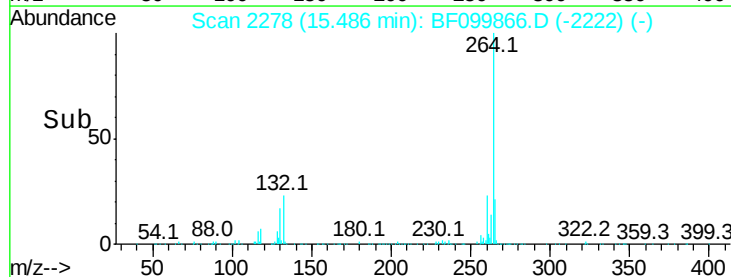
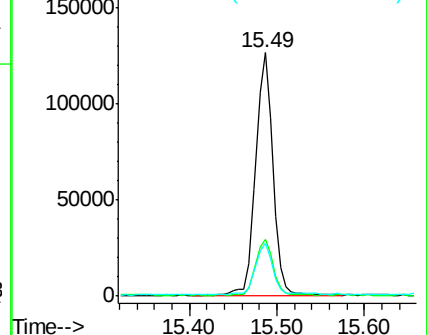
265 21.7 17.5 26.3

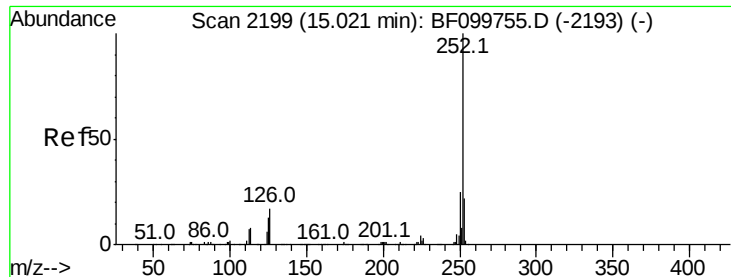


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

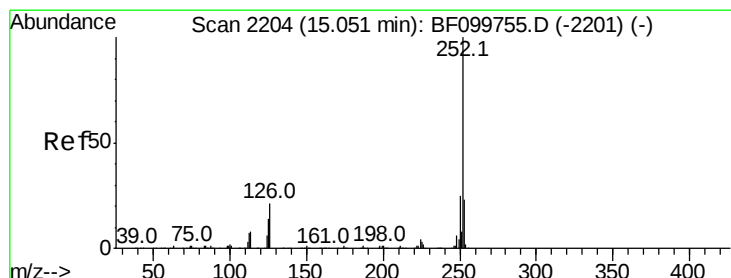
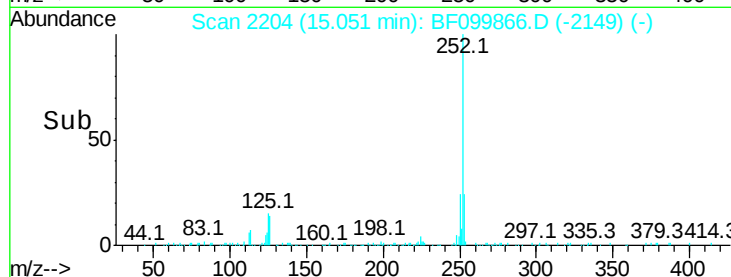
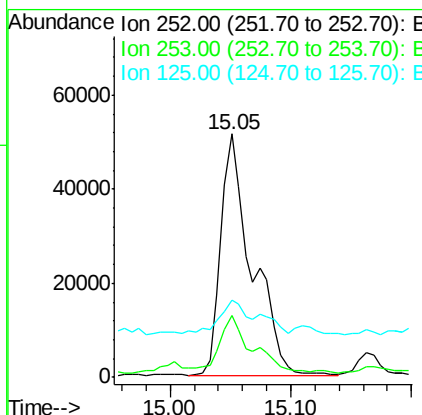
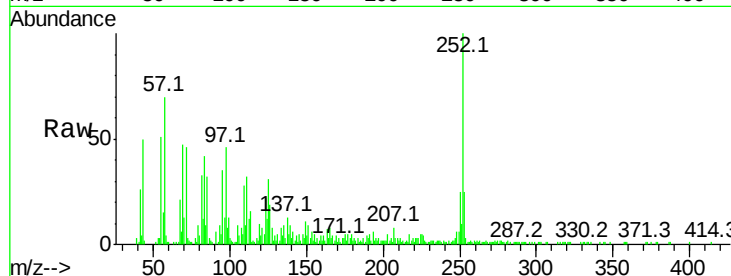




#87
Benzo(b)fluoranthene
Concen: 8.671 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.02 min
Lab File: BF099866.D
Acq: 26 Oct 2017 17:25

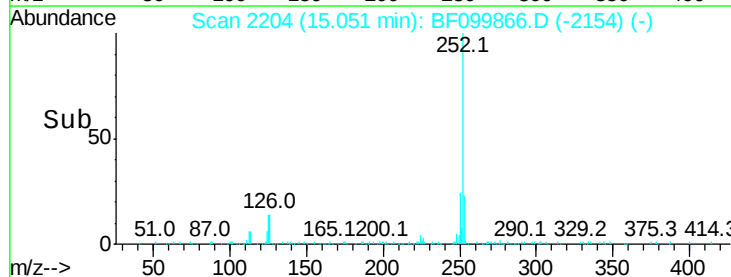
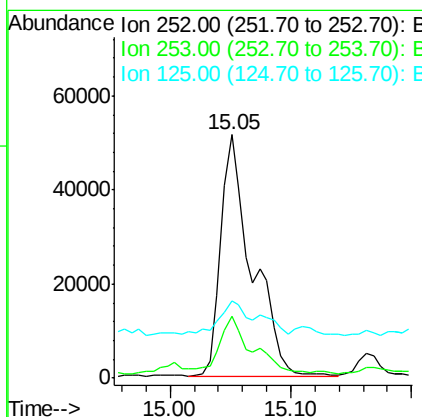
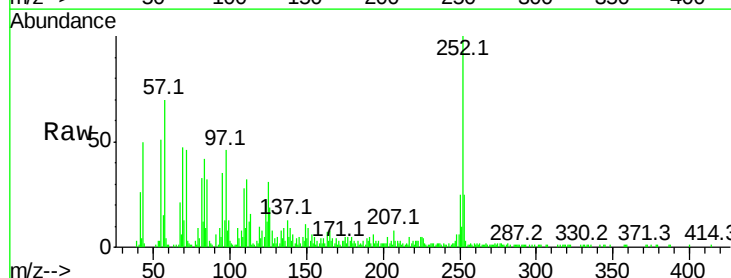
Instrument :
BNA_F
ClientSampleId :

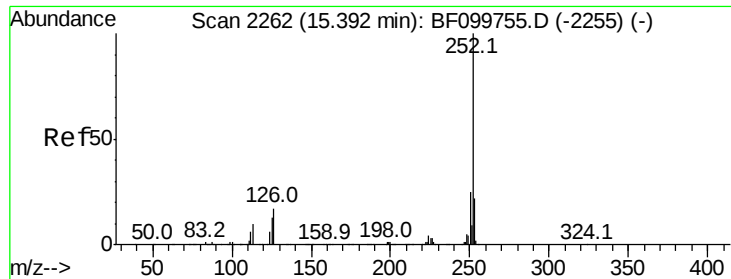
Tot Ion:252 Resp: 91500
Ion Ratio Lower Upper
252 100
253 25.3 17.0 25.6
125 31.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 9.195 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF099866.D
Acq: 26 Oct 2017 17:25

Tgt Ion:252 Resp: 91500
Ion Ratio Lower Upper
252 100
253 25.3 17.9 26.9
125 31.5 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 4.314 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.03 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

Instrument :

BNA_F

ClientSampled :

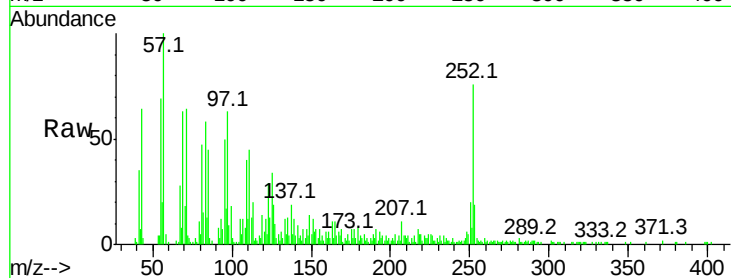
Tot Ion:252 Resp: 40897

Ion Ratio Lower Upper

252 100

253 24.7 17.1 25.7

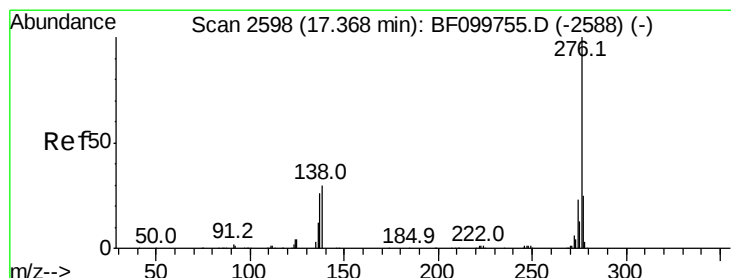
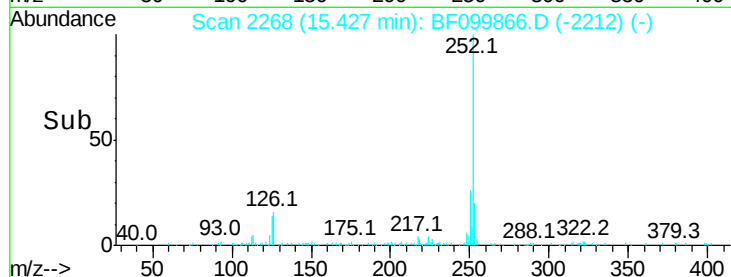
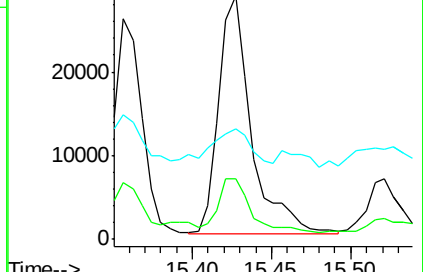
125 45.2 9.8 14.6#



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: 2.877 ng

RT: 17.47 min Scan# 2615

Delta R.T. 0.08 min

Lab File: BF099866.D

Acq: 26 Oct 2017 17:25

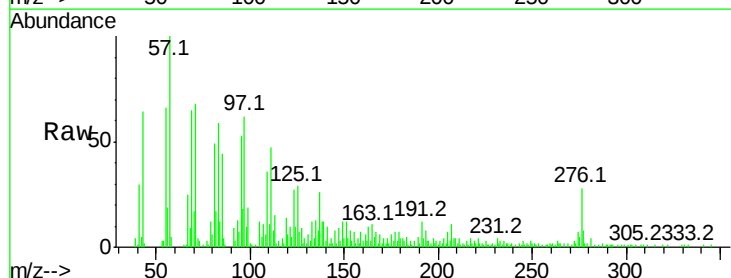
Tgt Ion:276 Resp: 23711

Ion Ratio Lower Upper

276 100

277 28.4 17.9 26.9#

138 41.2 21.8 32.8#



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

