

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099881.D
 Acq On : 27 Oct 2017 17:00
 Operator : SJ/JU
 Sample : I6112-21 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 27 17:30:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	91893	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	378066	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	171616	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	288535	20.00	ng	0.00
75) Chrysene-d12	13.99	240	172279	20.00	ng	0.00
86) Perylene-d12	15.46	264	185049	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	262029	44.77	ng	0.00
7) Phenol-d6	6.43	99	328263	47.30	ng	0.00
23) Nitrobenzene-d5	7.36	82	183871	31.31	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	71299	45.59	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	404191	36.34	ng	0.00
78) Terphenyl-d14	12.92	244	283851	36.01	ng	0.00

Target Compounds

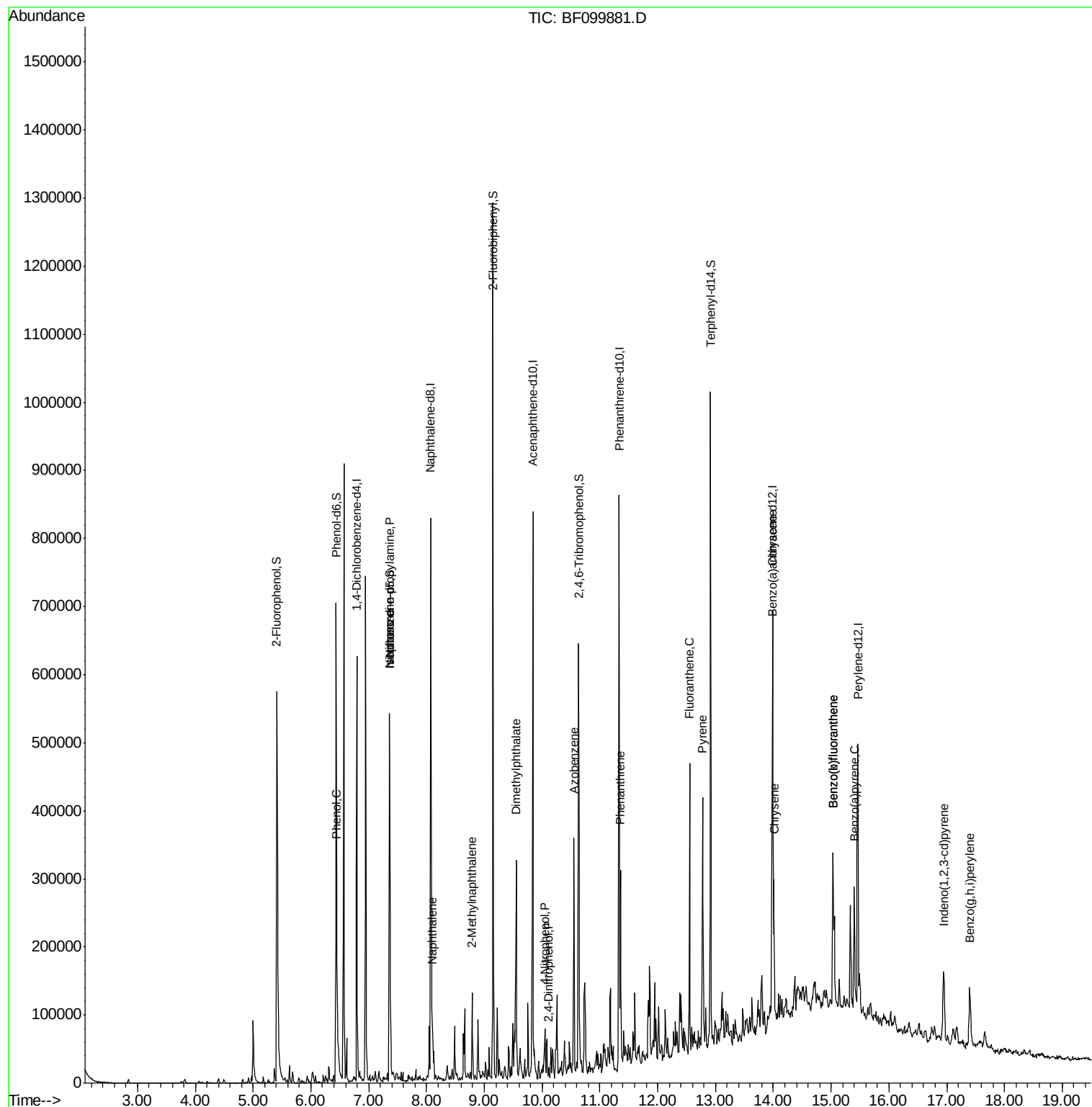
						Qvalue
10) Phenol	6.45	94	18684	2.452	ng	87
19) n-Nitroso-di-n-propylamine	7.36	70	23751	5.840	ng	# 71
25) Isophorone	7.36	82	183871	17.255	ng	# 64
31) Naphthalene	8.10	128	41317	2.264	ng	99
37) 2-Methylnaphthalene	8.79	142	36353	2.972	ng	98
49) Dimethylphthalate	9.55	163	119065	8.761	ng	100
53) 2,4-Dinitrophenol	10.12	184	552	6.215	ng	# 52
55) 4-Nitrophenol	10.05	139	7177	4.080	ng	# 14
62) Azobenzene	10.55	77	49945	4.489	ng	# 1
70) Phenanthrene	11.36	178	109876	6.748	ng	98
74) Fluoranthene	12.55	202	144485	8.538	ng	98
77) Pyrene	12.78	202	130527	9.964	ng	98
80) Benzo(a)anthracene	13.97	228	78390	7.178	ng	98
82) Chrysene	14.01	228	78462	7.642	ng	96
85) Indeno(1,2,3-cd)pyrene	16.95	276	63161	6.701	ng	98
87) Benzo(b)fluoranthene	15.03	252	166360	14.237	ng	# 94
88) Benzo(k)fluoranthene	15.03	252	166360	15.098	ng	97
89) Benzo(a)pyrene	15.40	252	87771	8.362	ng	# 93
91) Benzo(a,h,i)perylene	17.40	276	66760	7.316	ng	# 90

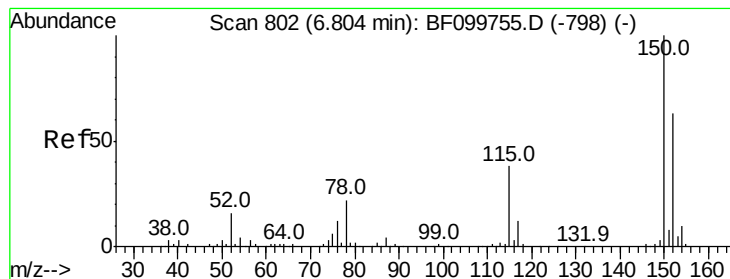
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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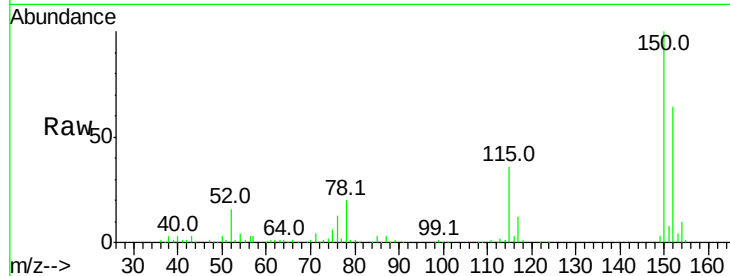


#1

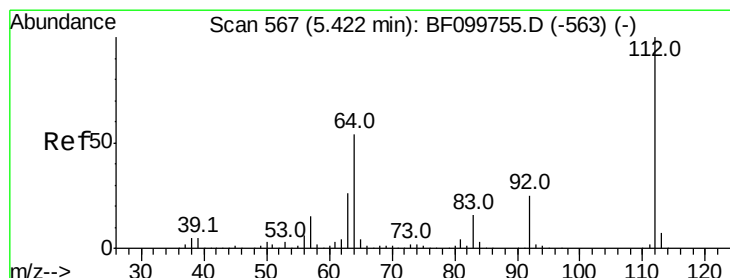
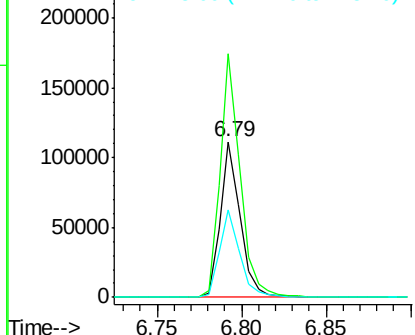
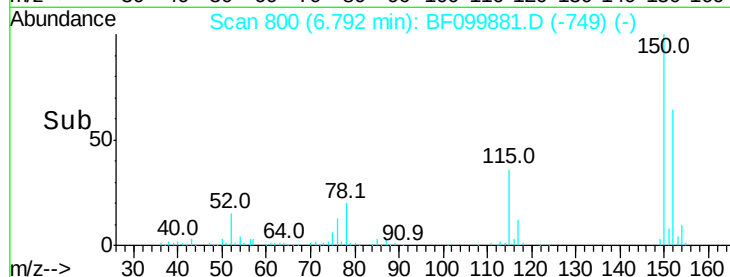
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91893
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 56.3 50.1 75.1



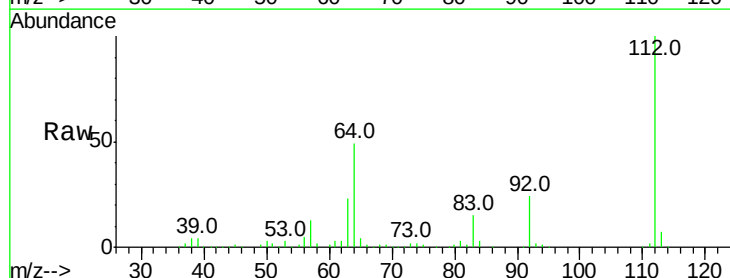
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



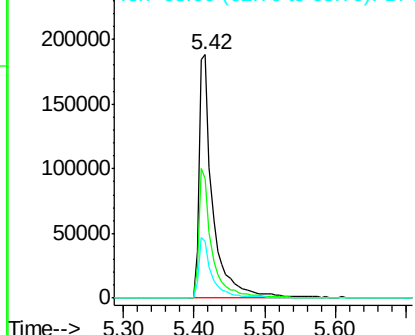
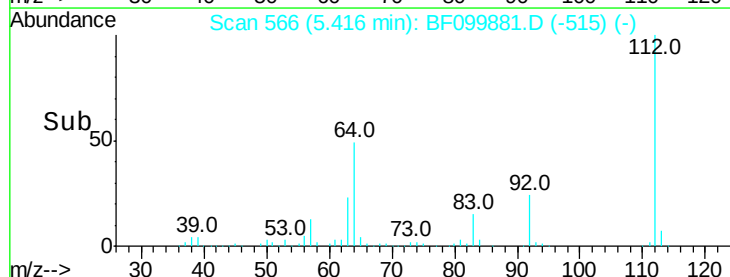
#5

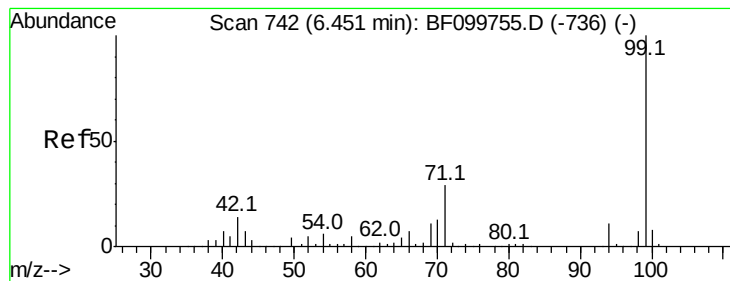
2-Fluorophenol
Concen: 44.767 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

Tgt Ion:112 Resp: 262029
Ion Ratio Lower Upper
112 100
64 49.0 47.9 71.9
63 23.2 23.7 35.5#



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: 47.299 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099881.D

Acq: 27 Oct 2017 17:00

Instrument :

BNA_F

ClientSampleId :

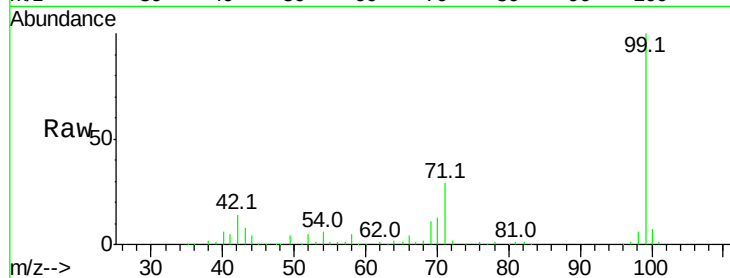
Tot Ion: 99 Resp: 328263

Ion Ratio Lower Upper

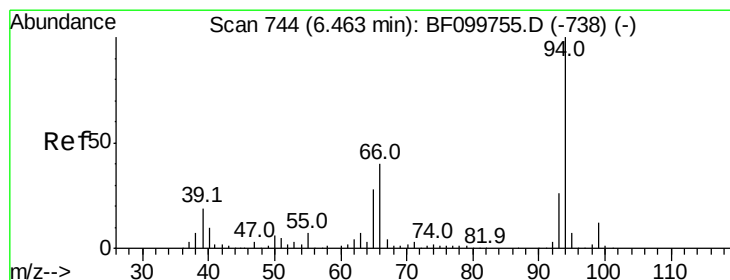
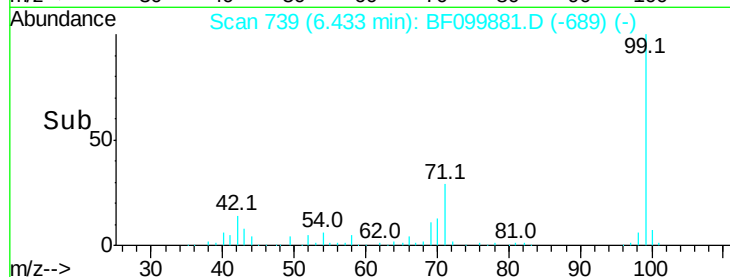
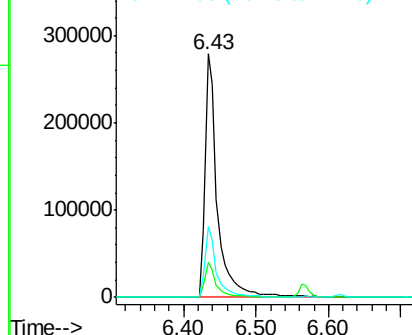
99 100

42 14.3 14.5 21.7#

71 29.2 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: 2.452 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099881.D

Acq: 27 Oct 2017 17:00

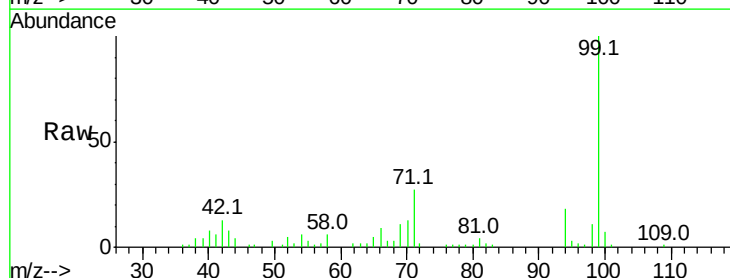
Tgt Ion: 94 Resp: 18684

Ion Ratio Lower Upper

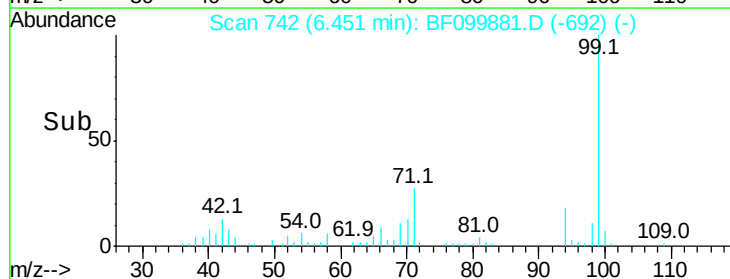
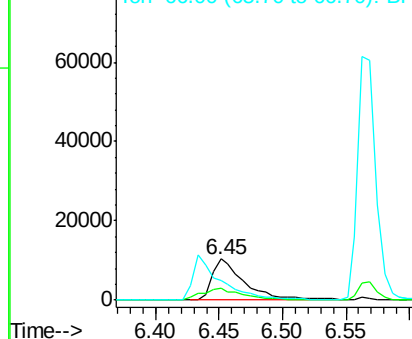
94 100

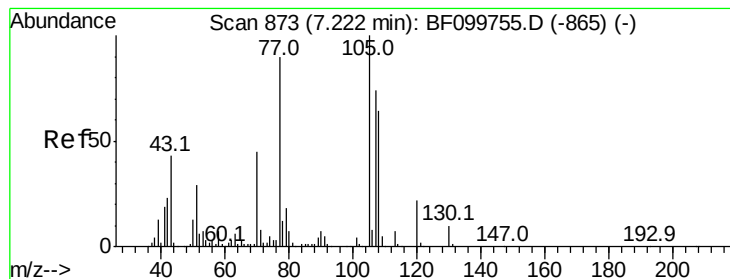
65 29.2 7.9 47.9

66 49.0 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





#19

n-Nitroso-di-n-propylamine

Concen: 5.840 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099881.D

Acq: 27 Oct 2017 17:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 23751

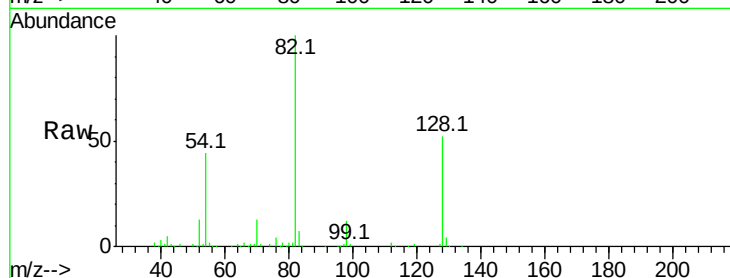
Ion Ratio Lower Upper

70 100

42 39.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

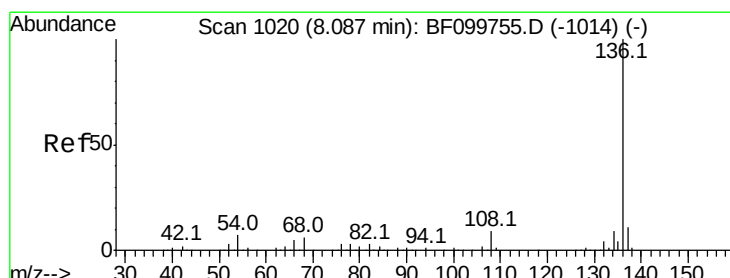
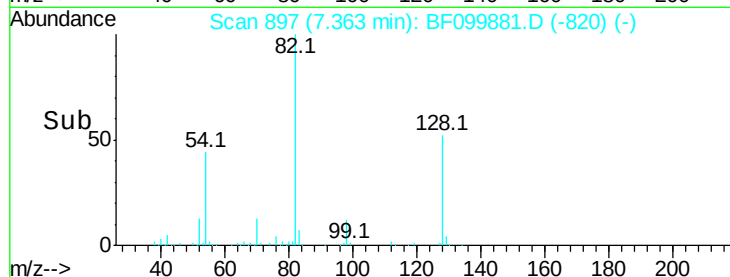
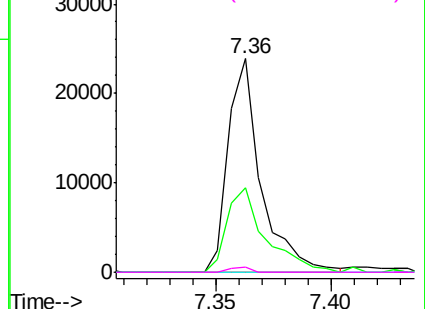


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF099881.D

Acq: 27 Oct 2017 17:00

Tgt Ion: 136 Resp: 378066

Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.7 6.6 9.8

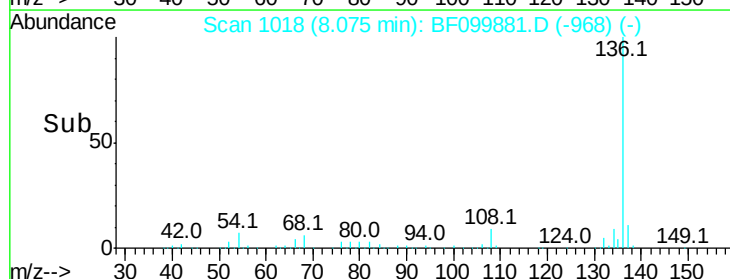
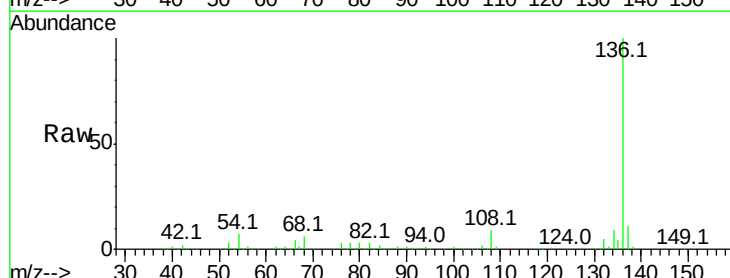
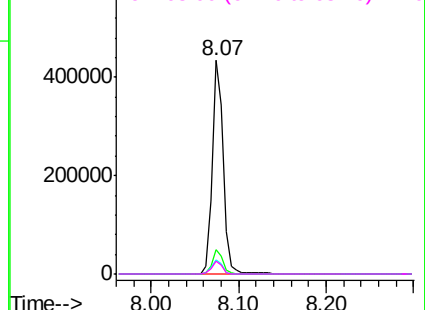
68 5.9 5.0 7.4

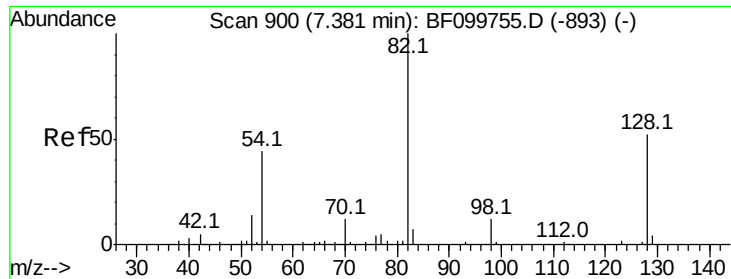
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

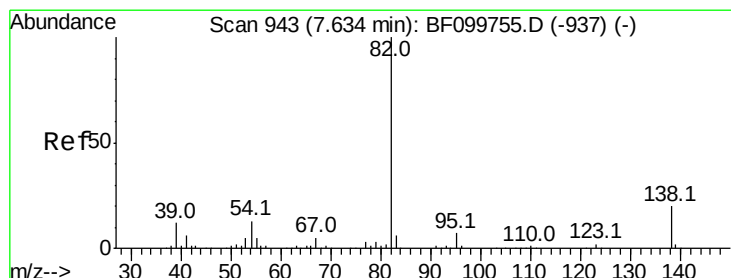
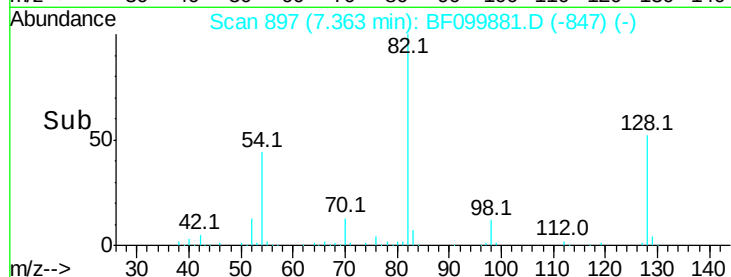
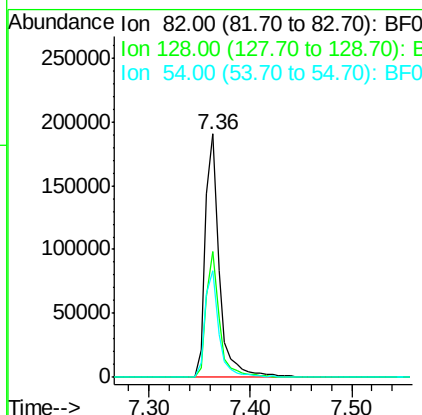
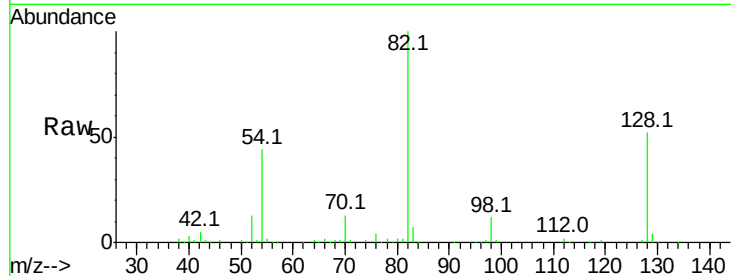




#23
Nitrobenzene-d5
Concen: 31.311 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

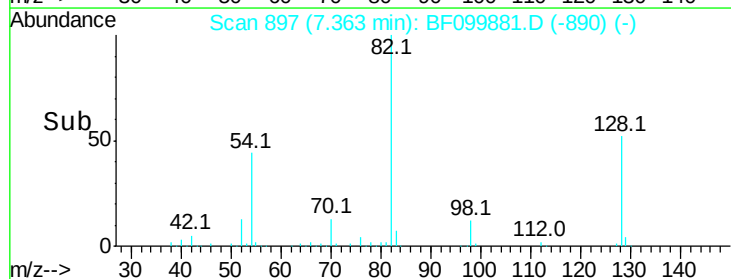
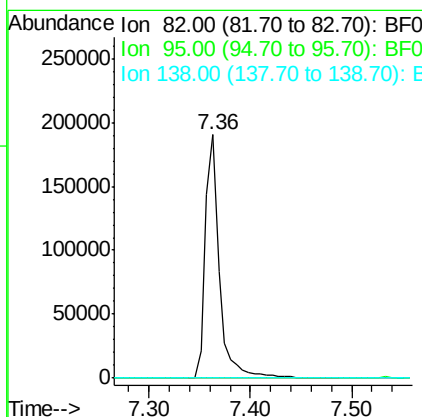
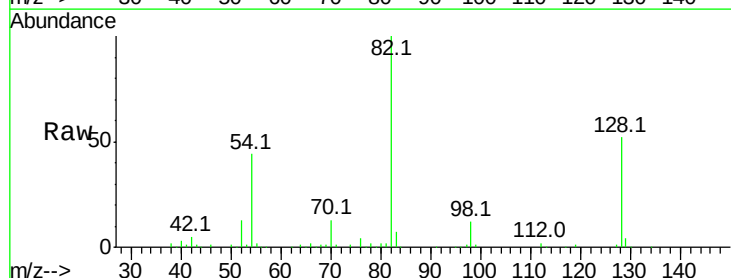
Instrument :
BNA_F
ClientSampleId :

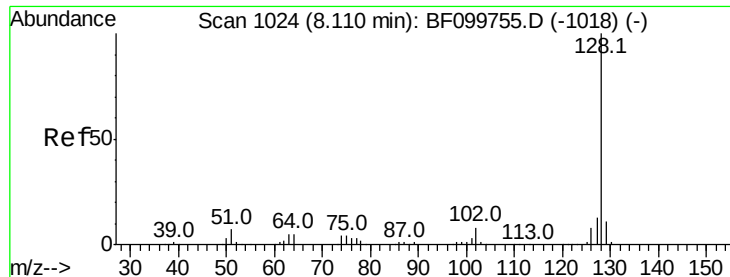
Tot Ion: 82 Resp: 183871
Ion Ratio Lower Upper
82 100
128 51.8 36.1 54.1
54 43.8 41.4 62.2



#25
Isophorone
Concen: 17.255 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

Tgt Ion: 82 Resp: 183871
Ion Ratio Lower Upper
82 100
95 0.2 5.2 7.8#
138 0.0 14.9 22.3#

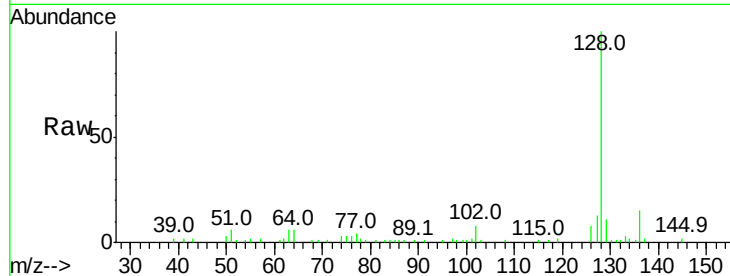




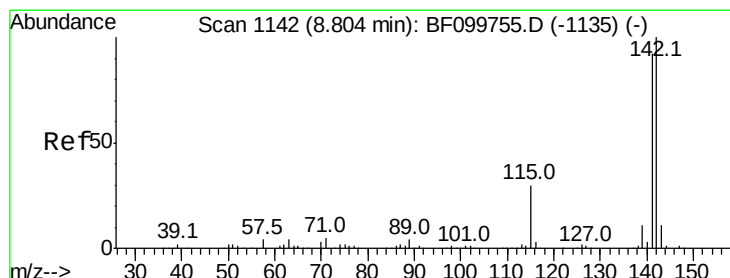
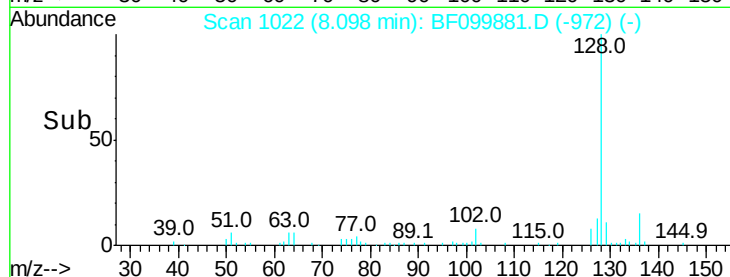
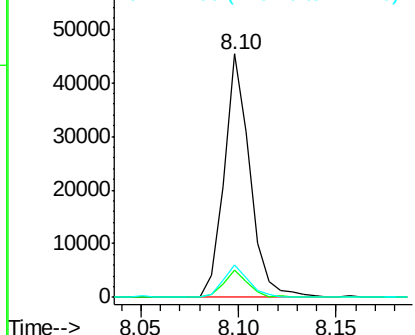
#31
Naphthalene
Concen: 2.264 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 41317
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.1 10.9 16.3

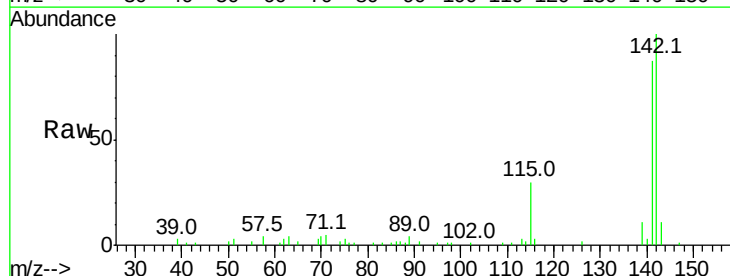


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

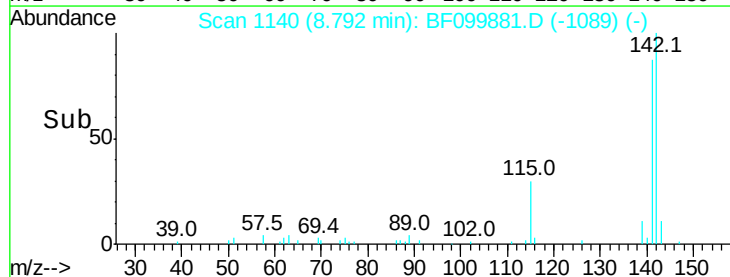
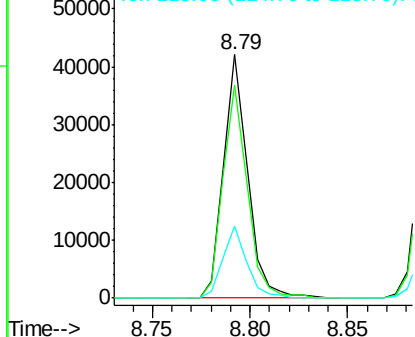


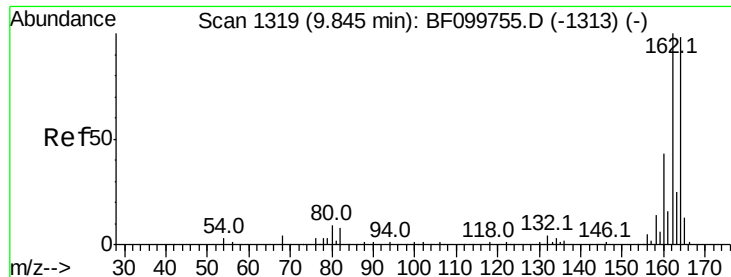
#37
2-Methylnaphthalene
Concen: 2.972 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

Tgt Ion:142 Resp: 36353
Ion Ratio Lower Upper
142 100
141 87.2 70.8 106.2
115 29.7 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

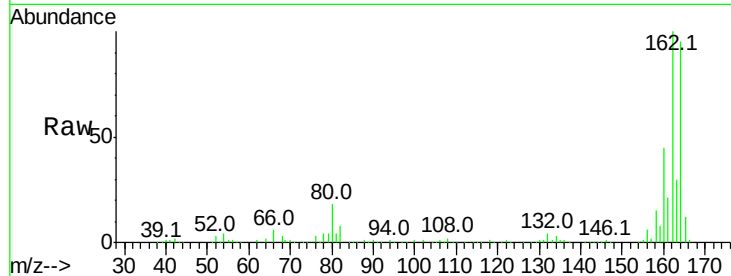




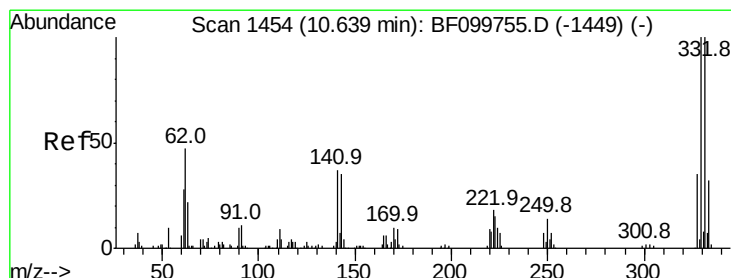
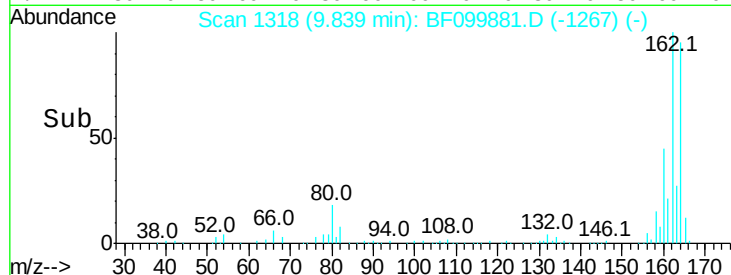
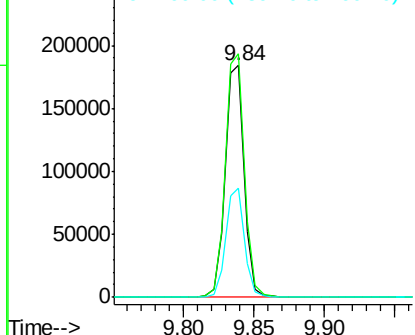
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 171616
Ion Ratio Lower Upper
164 100
162 105.0 86.1 129.1
160 47.0 38.3 57.5

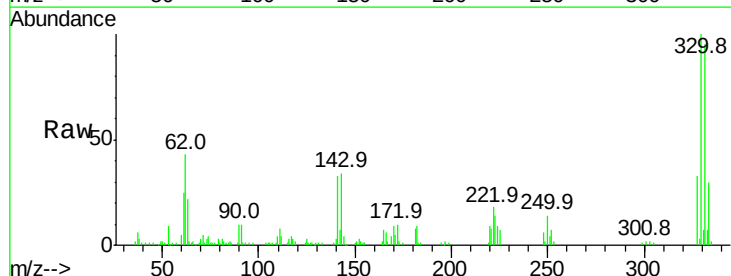


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

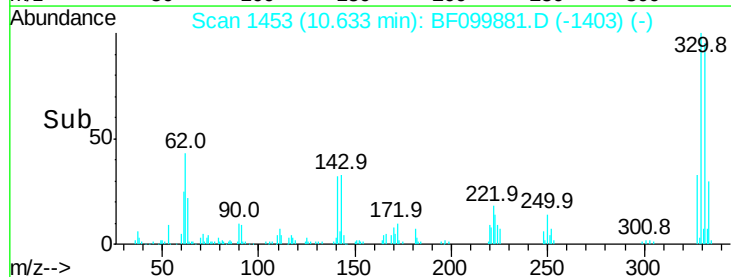
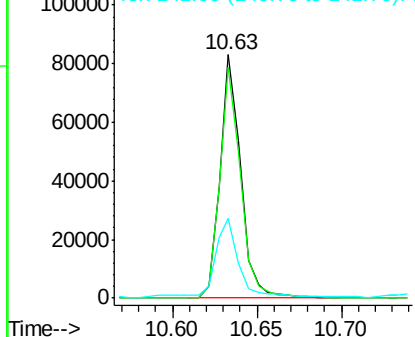


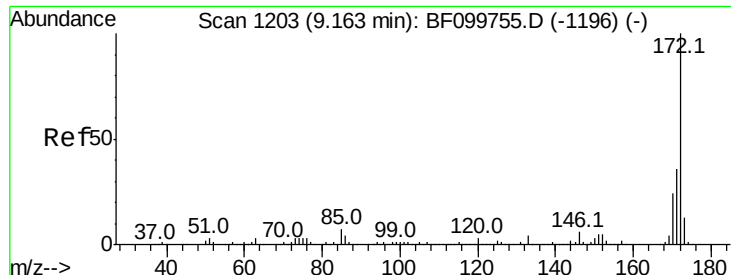
#41
2,4,6-Tribromophenol
Concen: 45.589 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

Tgt Ion:330 Resp: 71299
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.6
141 38.8 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

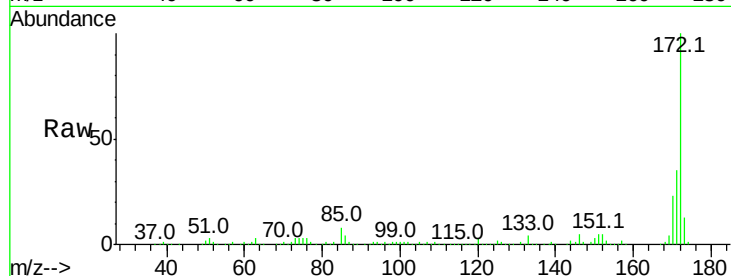




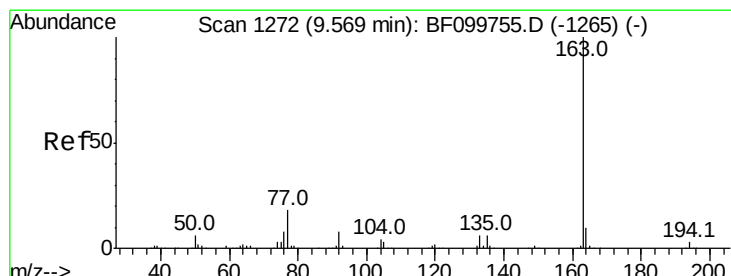
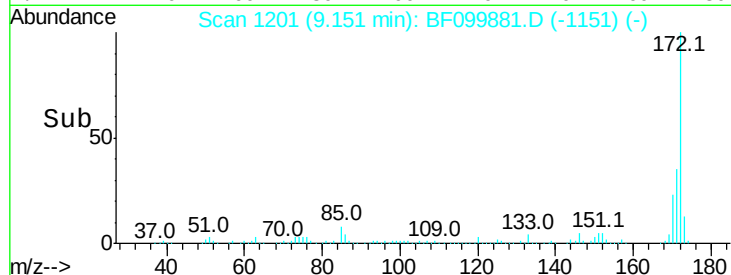
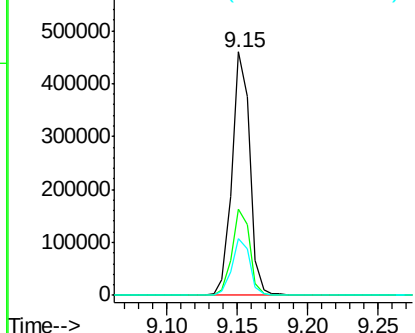
#44
2-Fluorobiphenyl
Concen: 36.337 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.4	19.6	29.4

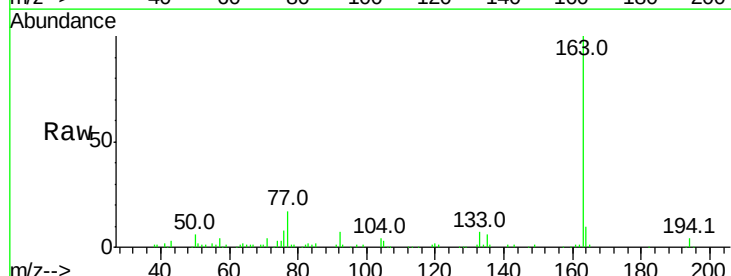


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

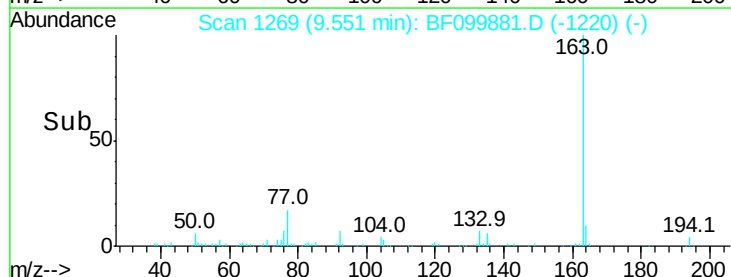
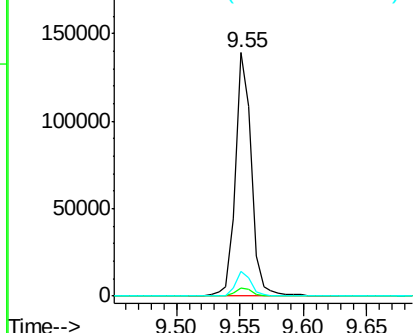


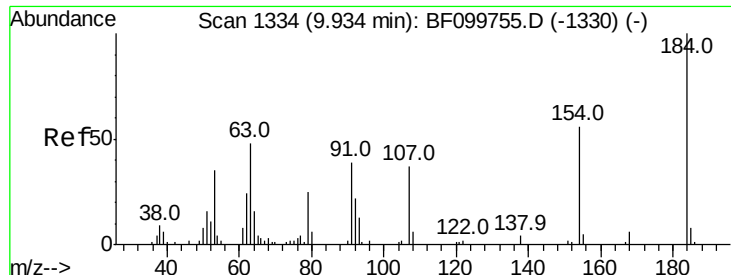
#49
Dimethylphthalate
Concen: 8.761 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.4	8.2	12.2



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

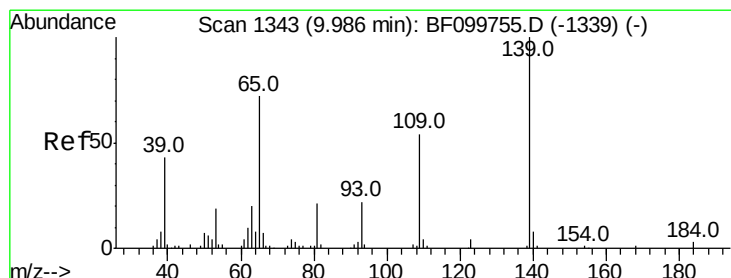
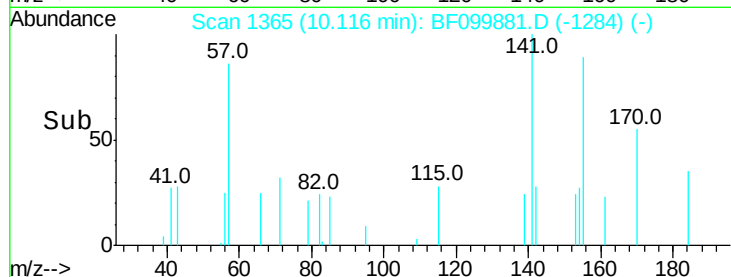
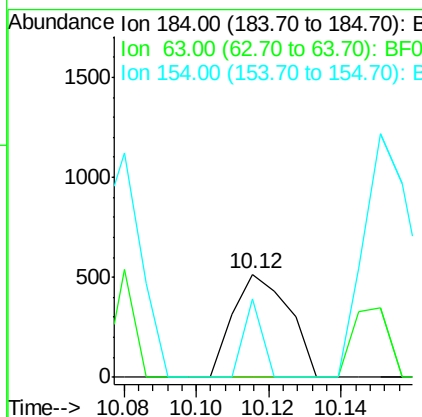
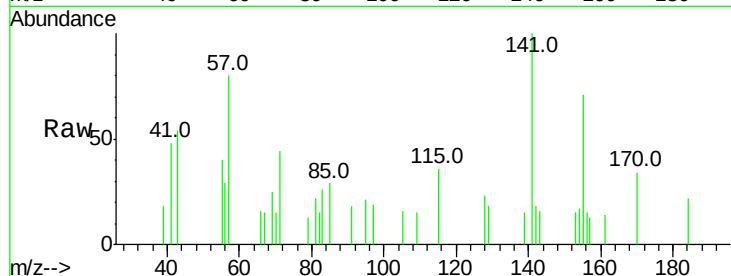




#53
 2,4-Dinitrophenol
 Concen: 6.215 ng
 RT: 10.12 min Scan# 1365
 Delta R.T. 0.18 min
 Lab File: BF099881.D
 Acq: 27 Oct 2017 17:00

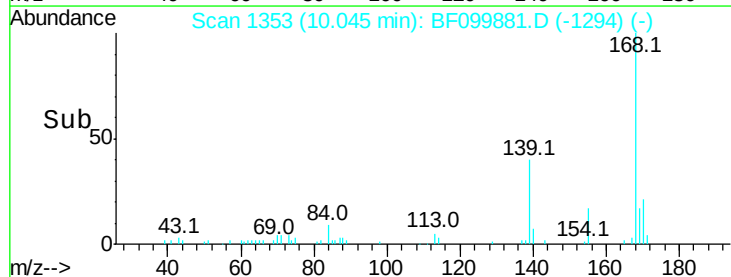
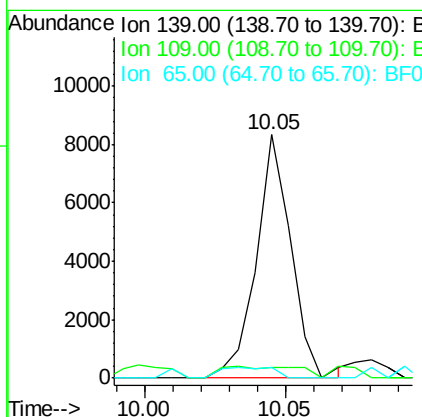
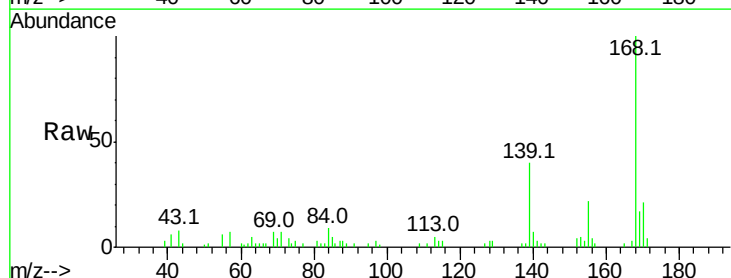
Instrument :
 BNA_F
 ClientSampled :

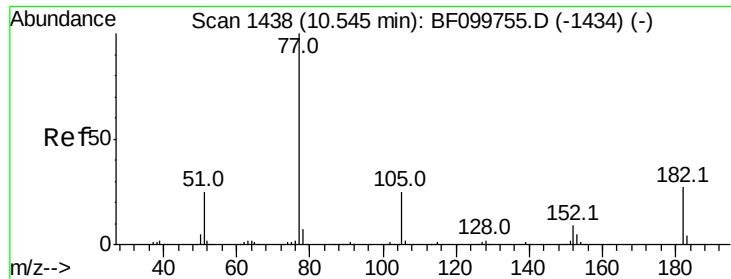
Tot Ion:184 Resp: 552
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 76.5 53.5 80.3



#55
 4-Nitrophenol
 Concen: 4.080 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. 0.05 min
 Lab File: BF099881.D
 Acq: 27 Oct 2017 17:00

Tgt Ion:139 Resp: 7177
 Ion Ratio Lower Upper
 139 100
 109 4.5 48.4 88.4#
 65 4.5 72.6 112.6#





#62

Azobenzene

Concen: 4.489 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF099881.D

Acq: 27 Oct 2017 17:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 49945

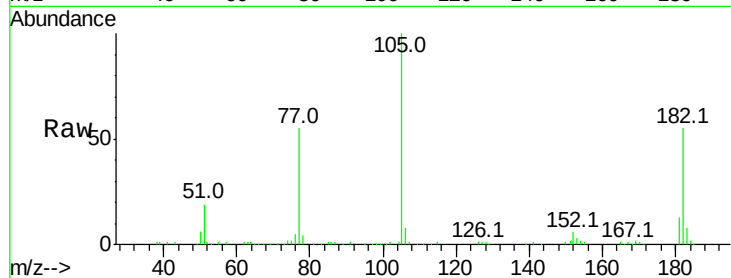
Ion Ratio Lower Upper

77 100

182 100.5 1.7 41.7#

105 181.1 3.0 43.0#

51 33.5 9.9 49.9

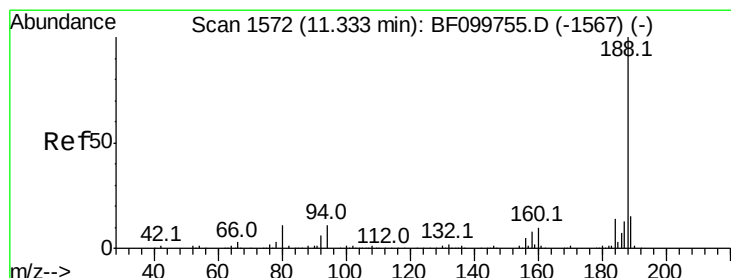
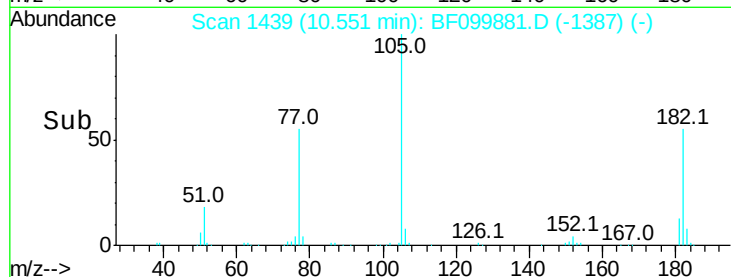
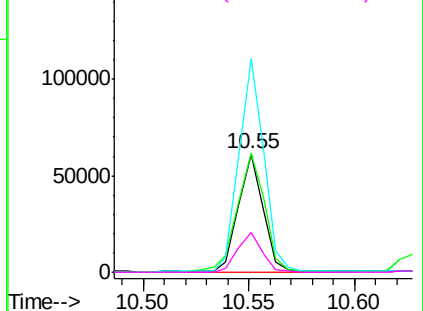


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF099881.D

Acq: 27 Oct 2017 17:00

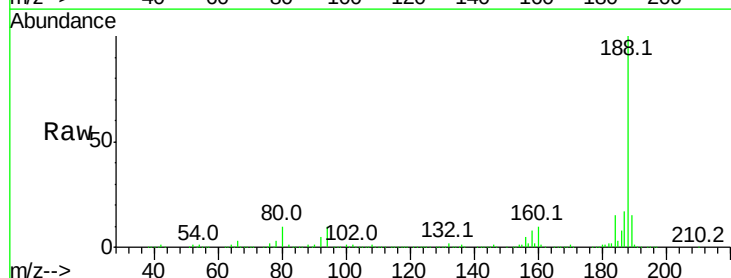
Tgt Ion: 188 Resp: 288535

Ion Ratio Lower Upper

188 100

94 9.6 8.5 12.7

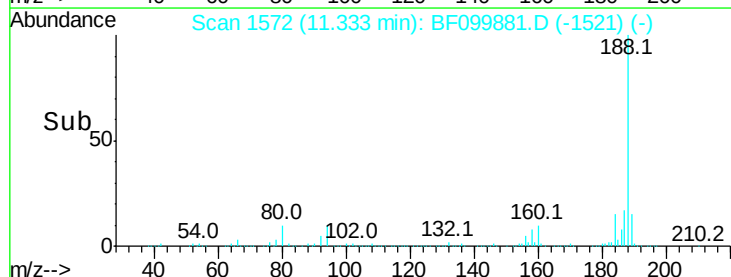
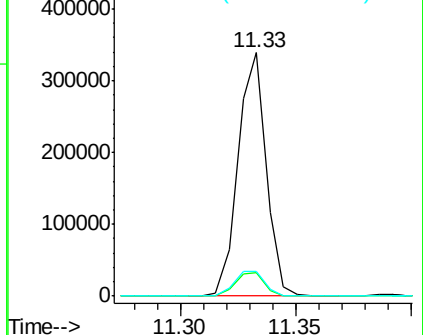
80 10.0 9.2 13.8

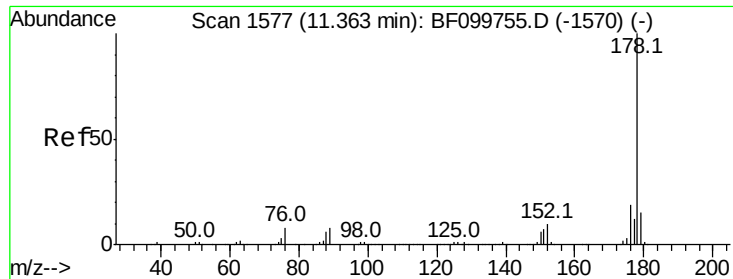


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

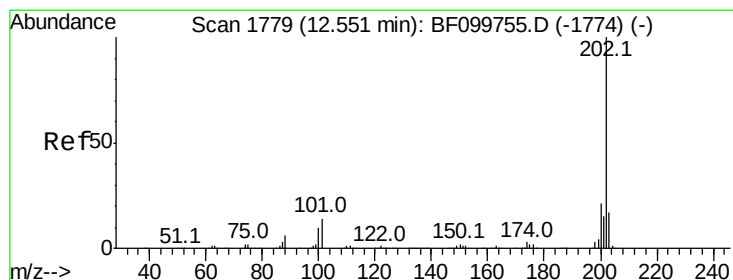
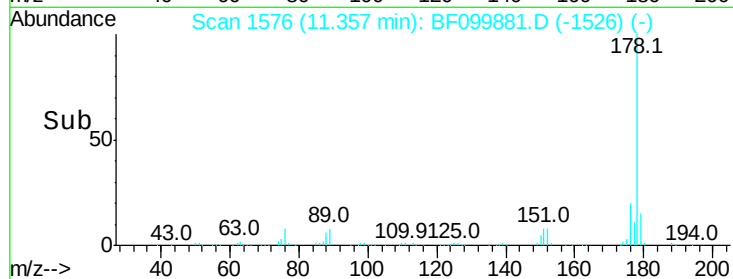
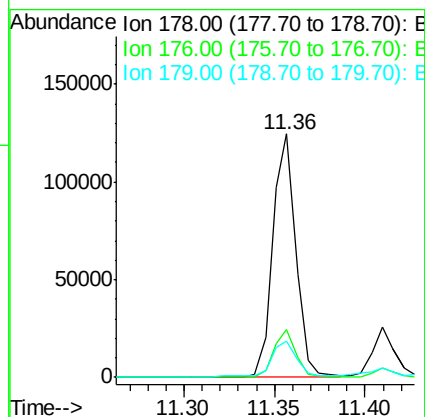
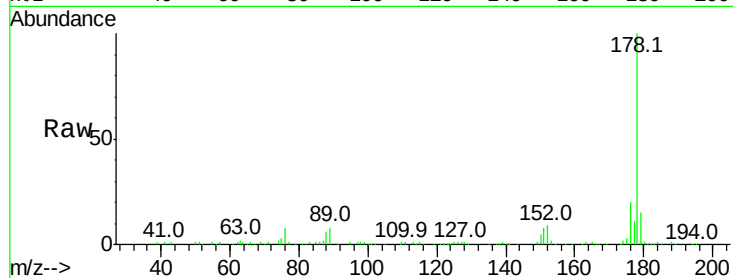




#70
Phenanthrene
Concen: 6.748 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

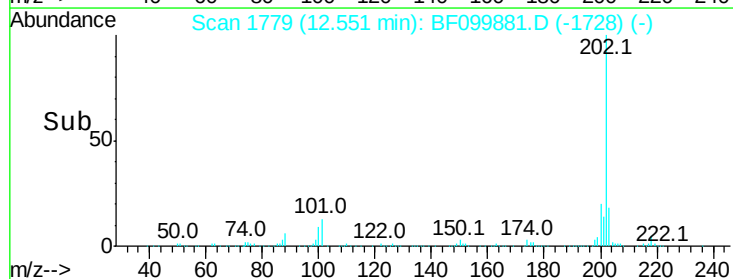
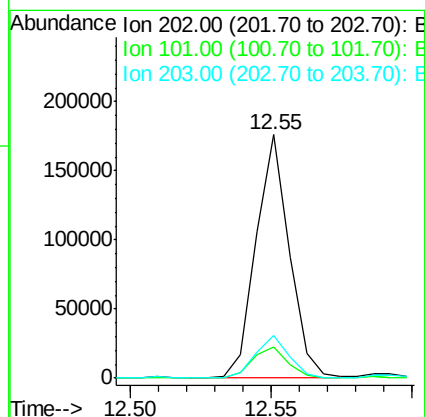
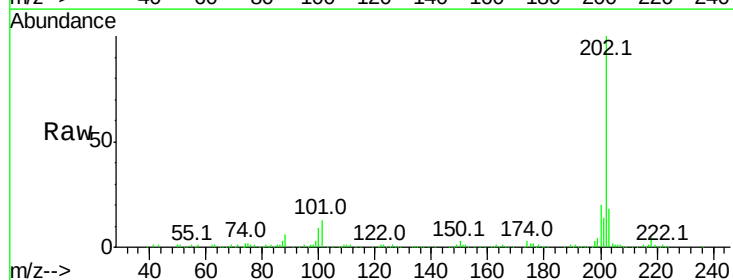
Instrument :
BNA_F
ClientSampleId :

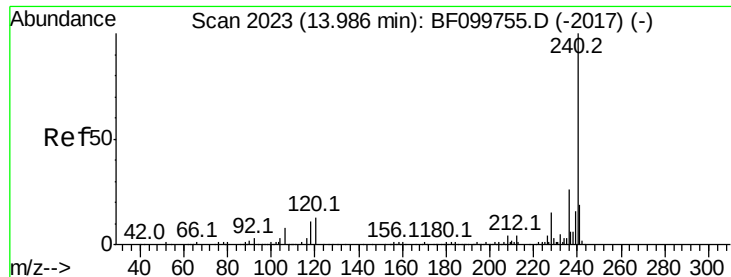
Tot Ion:178 Resp: 109876
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.1 13.0 19.6



#74
Fluoranthene
Concen: 8.538 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.00 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

Tgt Ion:202 Resp: 144485
Ion Ratio Lower Upper
202 100
101 12.6 0.0 34.1
203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF099881.D

Acq: 27 Oct 2017 17:00

Instrument :

BNA_F

ClientSampleId :

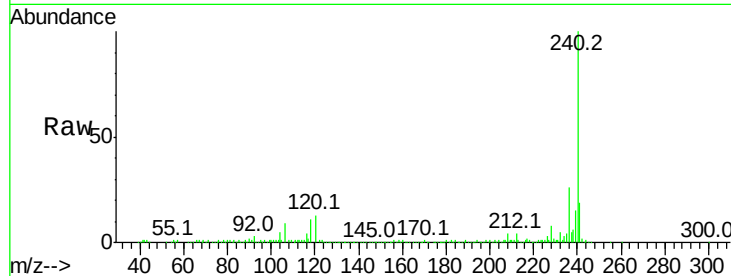
Tot Ion:240 Resp: 172279

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

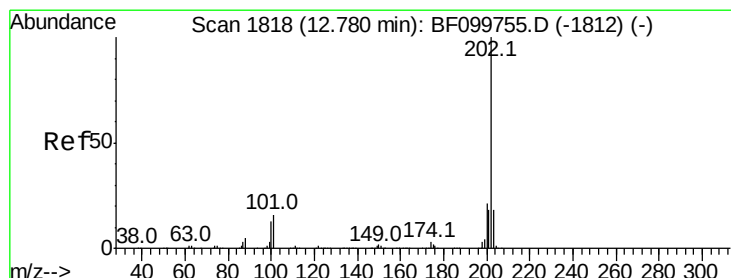
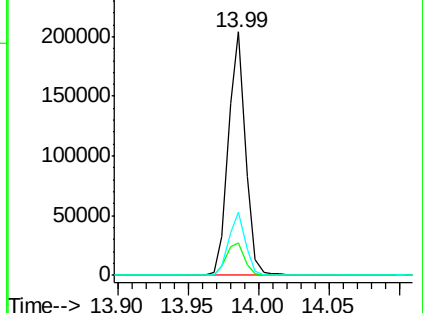
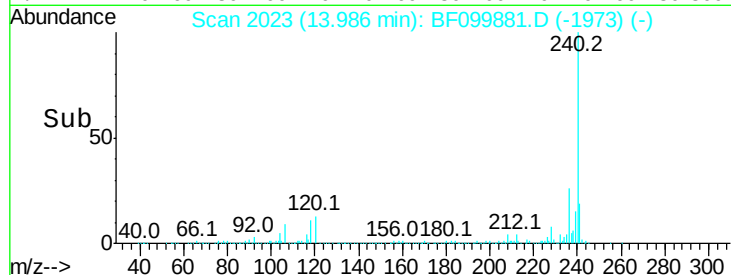
236 25.7 20.7 31.1



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: 9.964 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF099881.D

Acq: 27 Oct 2017 17:00

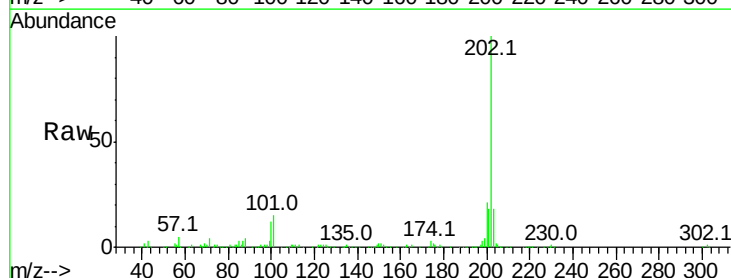
Tgt Ion:202 Resp: 130527

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

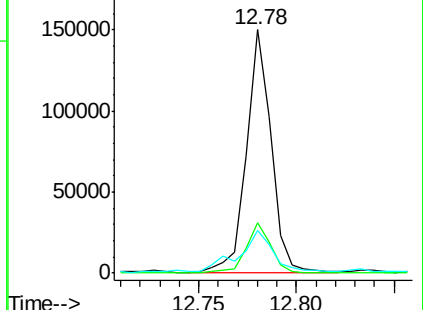
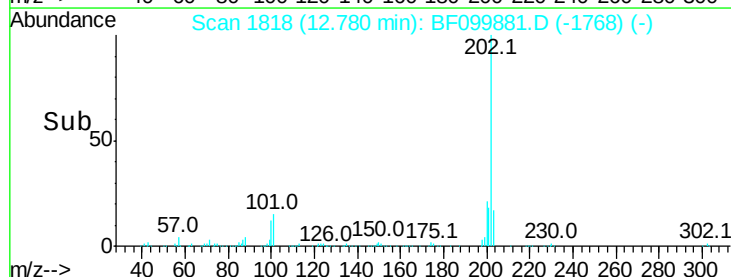
203 17.6 14.3 21.5

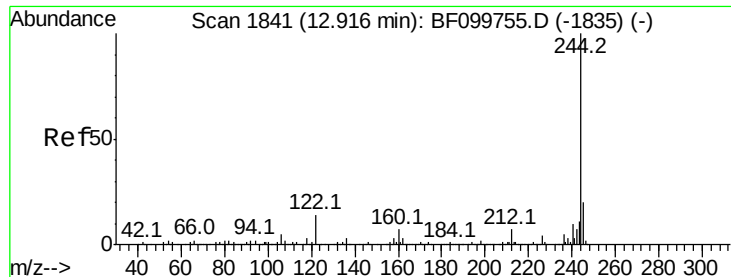


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 36.007 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099881.D

Acq: 27 Oct 2017 17:00

Instrument :

BNA_F

ClientSampleId :

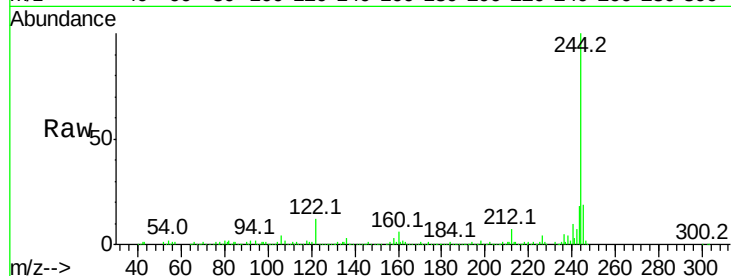
Tot Ion:244 Resp: 283851

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

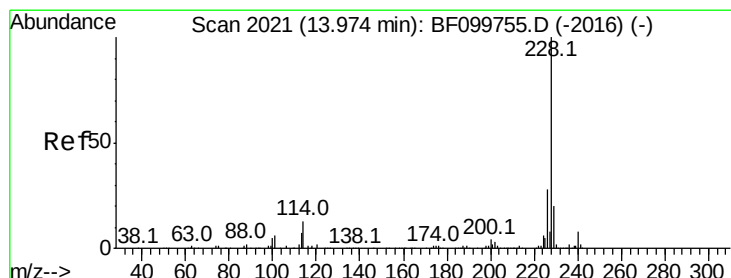
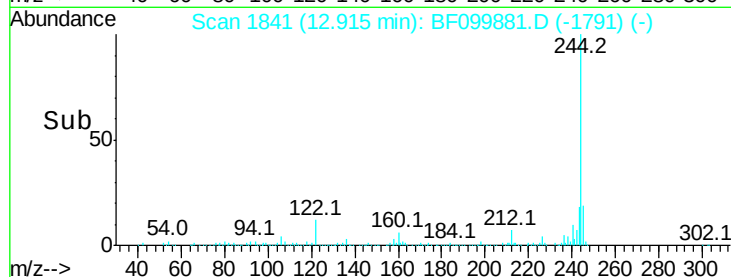
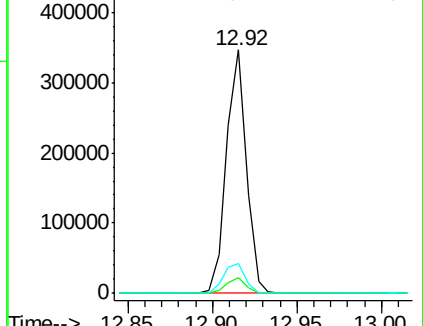
122 12.4 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 7.178 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF099881.D

Acq: 27 Oct 2017 17:00

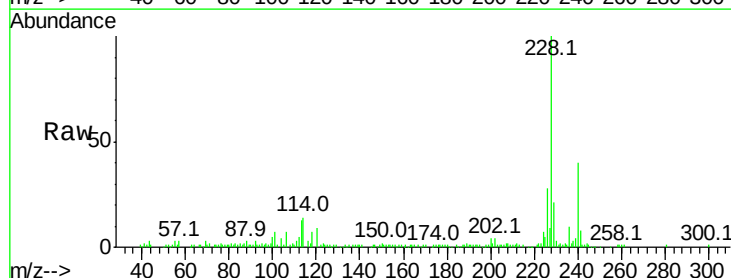
Tgt Ion:228 Resp: 78390

Ion Ratio Lower Upper

228 100

226 27.8 22.6 33.8

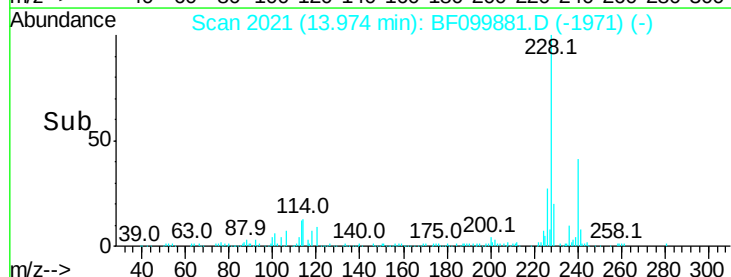
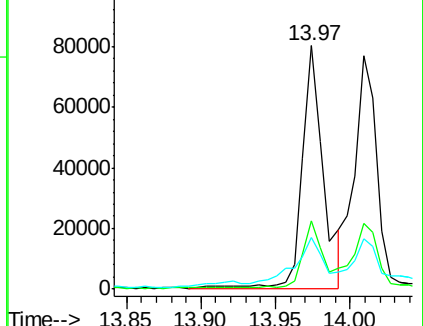
229 21.3 15.8 23.6

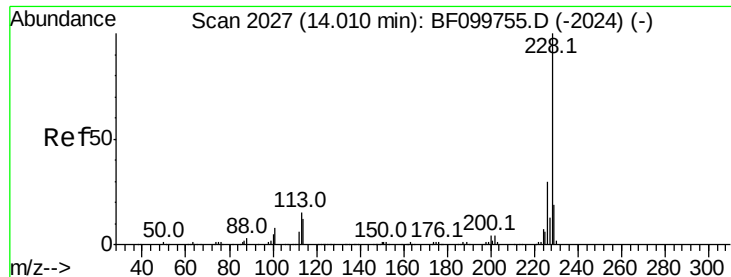


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

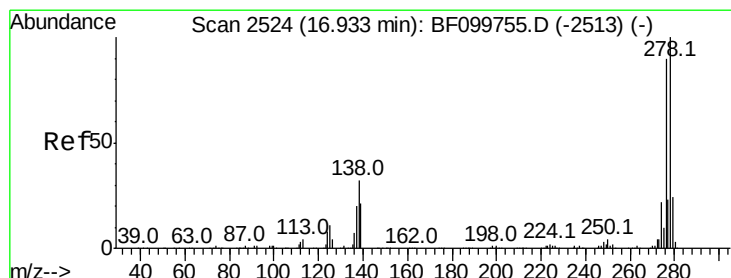
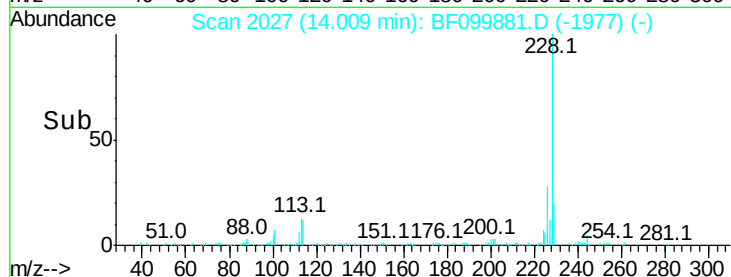
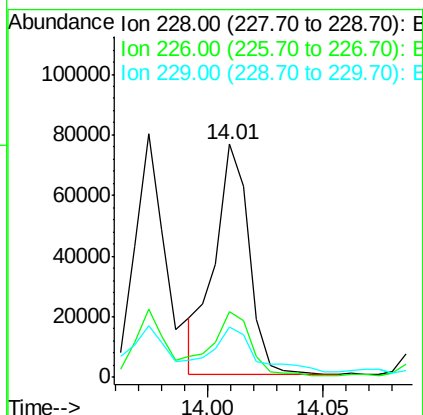
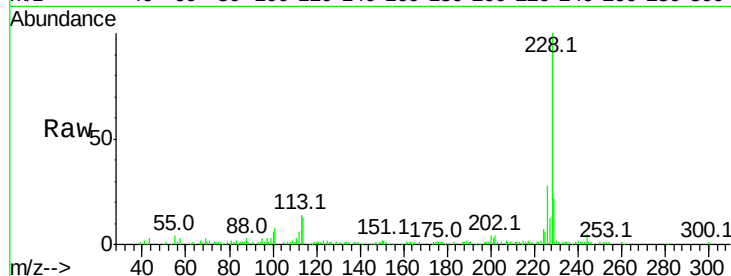




#82
Chrysene
Concen: 7.642 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

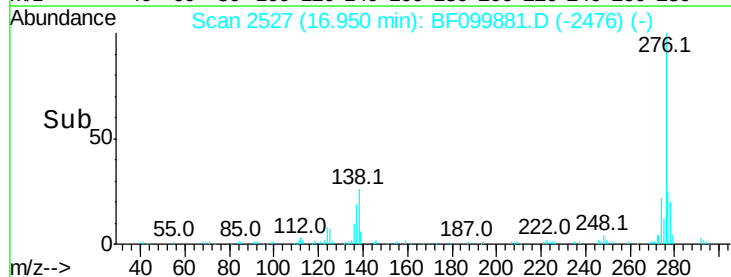
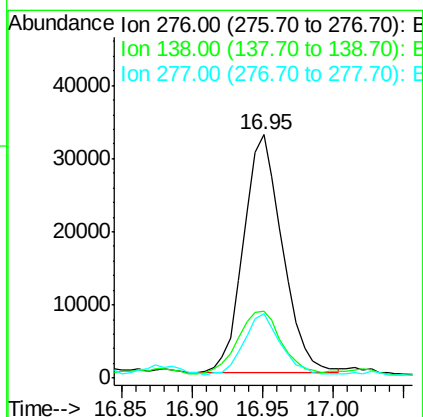
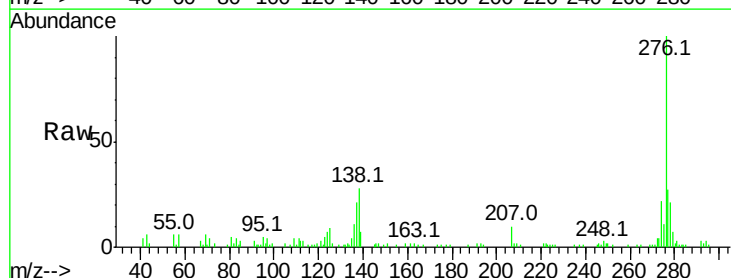
Instrument :
BNA_F
ClientSampleId :

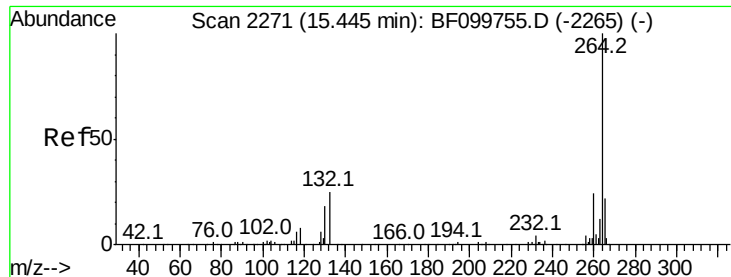
Tot Ion:228 Resp: 78462
Ion Ratio Lower Upper
228 100
226 28.3 25.0 37.6
229 21.7 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.701 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.00 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

Tgt Ion:276 Resp: 63161
Ion Ratio Lower Upper
276 100
138 29.2 25.0 37.6
277 25.0 20.1 30.1

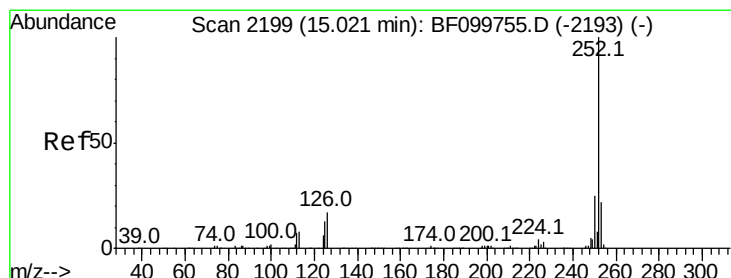
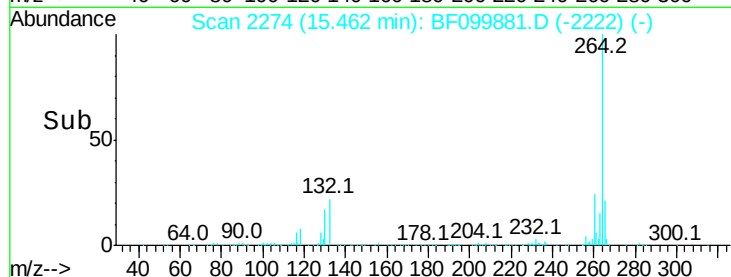
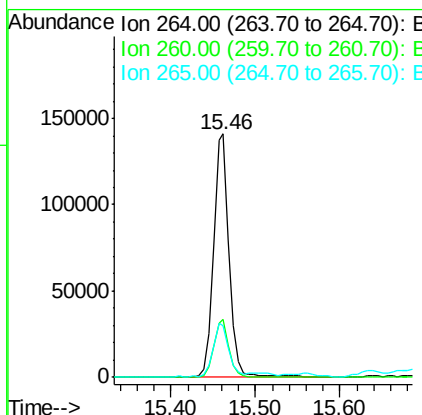
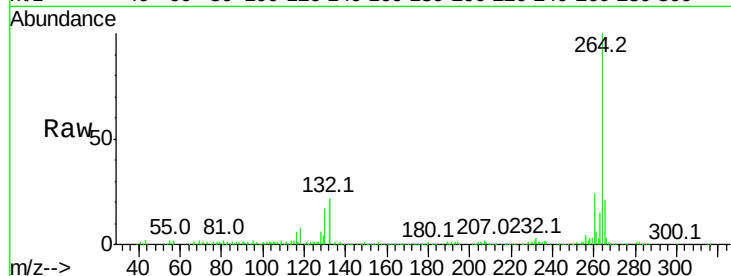




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

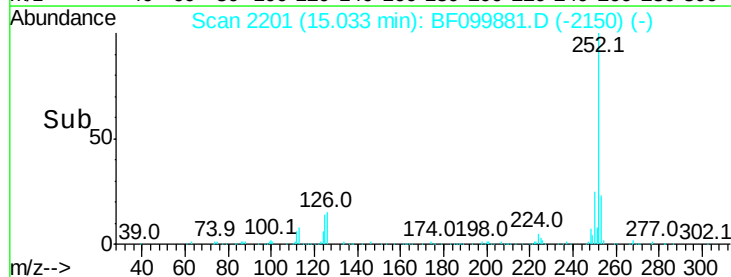
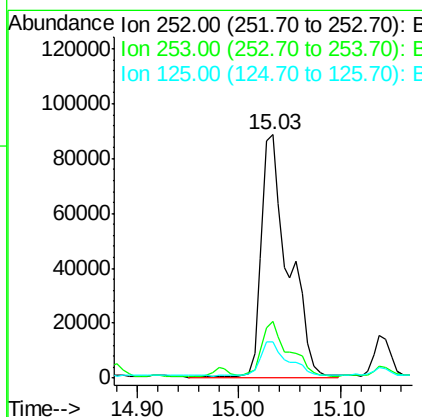
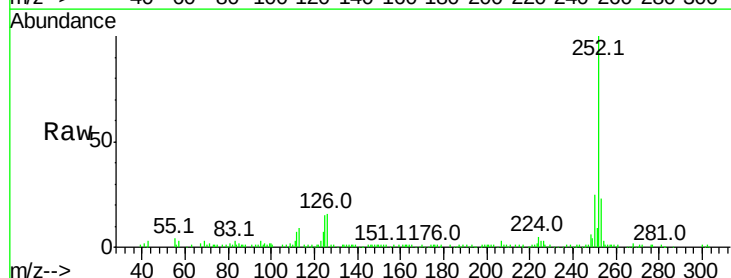
Instrument :
BNA_F
ClientSampleId :

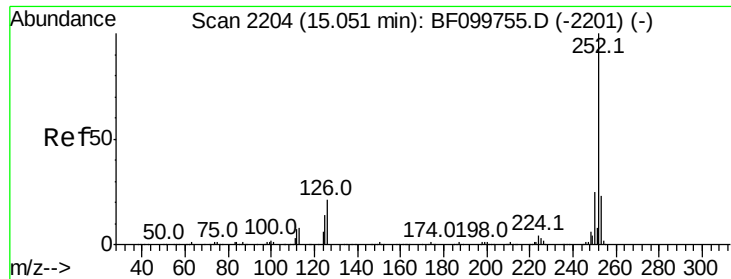
Tot Ion:264 Resp: 185049
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 14.237 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

Tgt Ion:252 Resp: 166360
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 14.7 9.0 13.6#

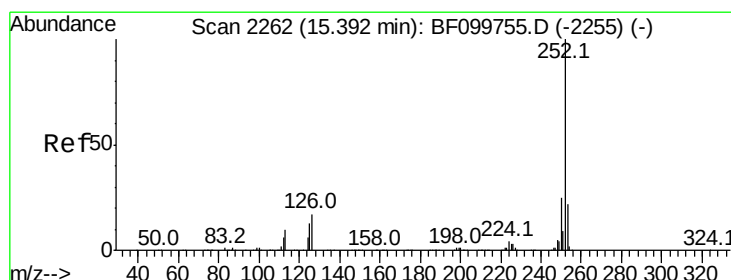
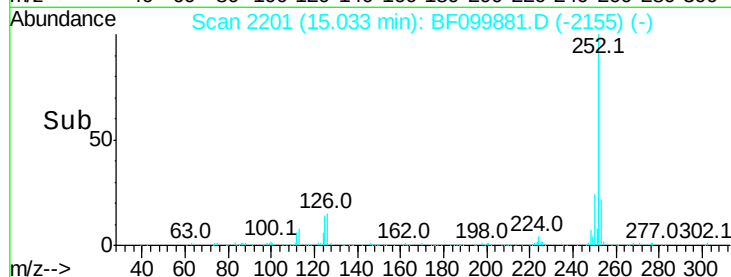
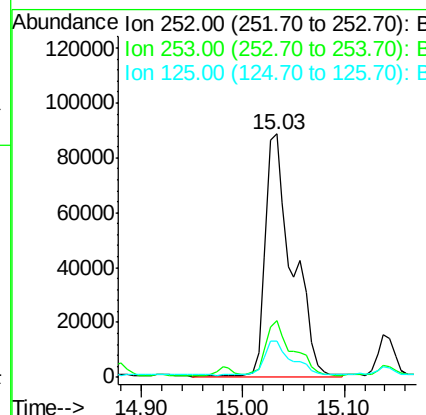
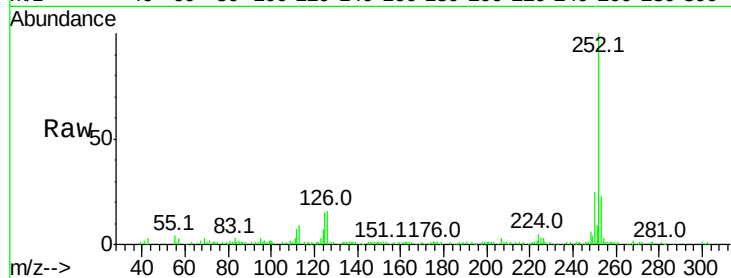




#88
Benzo(k)fluoranthene
Concen: 15.098 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

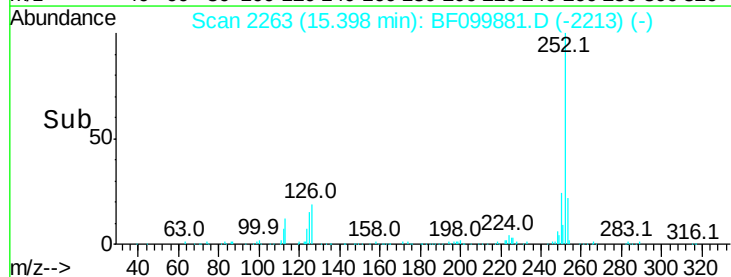
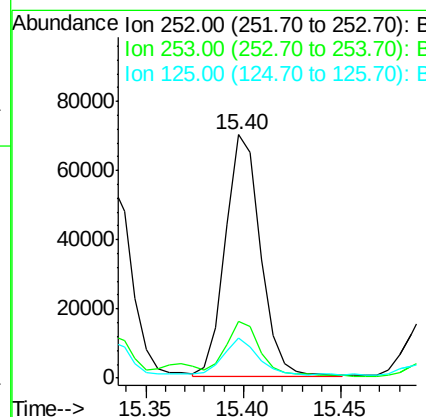
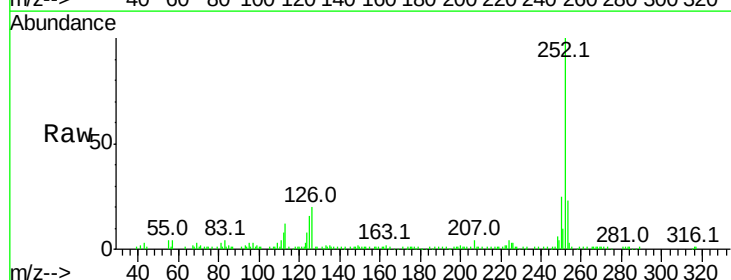
Instrument :
BNA_F
ClientSampled :

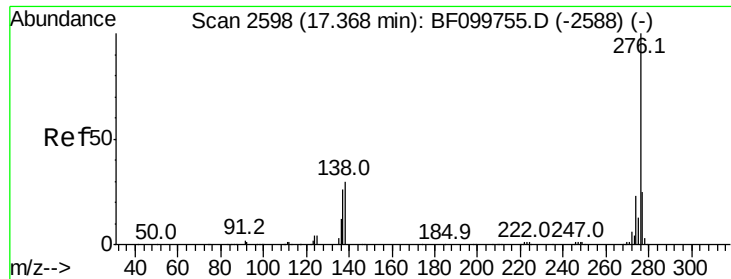
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	14.7	10.2	15.2



#89
Benzo(a)pyrene
Concen: 8.362 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF099881.D
Acq: 27 Oct 2017 17:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	16.3	9.8	14.6

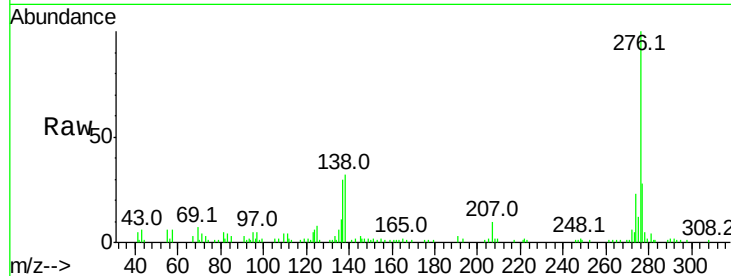




#91
 Benzo(a,h,i)perylene
 Concen: 7.316 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: BF099881.D
 Acq: 27 Oct 2017 17:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9#
138	32.2	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

