

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101783.D
 Acq On : 28 Dec 2017 00:35
 Operator : SJ/JU
 Sample : I7064-13
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 04:13:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	163901	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	622131	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	247533	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	384739	20.00	ng	0.00
75) Chrysene-d12	13.97	240	304851	20.00	ng	0.00
86) Perylene-d12	15.44	264	263009	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1130874	102.78	ng	0.01
7) Phenol-d6	6.44	99	1326384	96.86	ng	0.00
23) Nitrobenzene-d5	7.36	82	815449	72.96	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	234361	98.26	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1124296	70.46	ng	0.00
78) Terphenyl-d14	12.90	244	748701	59.21	ng	0.00

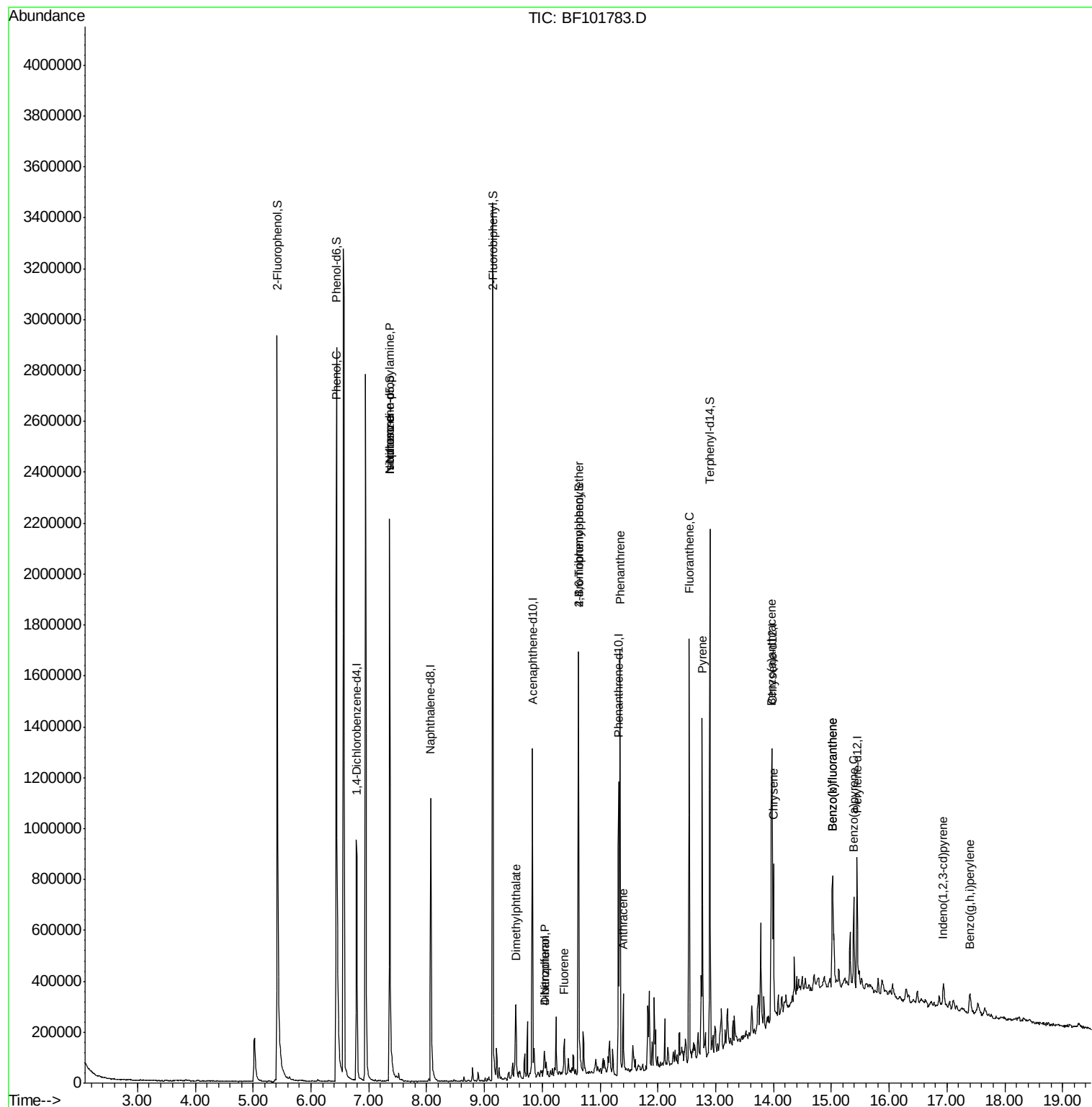
Target Compounds				Qvalue		
10) Phenol	6.45	94	71494	4.581	ng	# 73
19) n-Nitroso-di-n-propylamine	7.36	70	108971	12.117	ng	# 80
25) Isophorone	7.36	82	815449	36.371	ng	# 64
49) Dimethylphthalate	9.55	163	134675	6.764	ng	98
54) Dibenzofuran	10.04	168	42577	2.102	ng	98
55) 4-Nitrophenol	10.04	139	16352	7.433	ng	# 13
57) Fluorene	10.38	166	39398	2.299	ng	# 96
66) 4-Bromophenyl-phenylether	10.63	248	14676	3.395	ng	# 1
70) Phenanthrene	11.35	178	615840	28.783	ng	99
71) Anthracene	11.40	178	124903	5.715	ng	96
74) Fluoranthene	12.54	202	641187	28.550	ng	98
77) Pyrene	12.77	202	565297	24.708	ng	99
80) Benzo(a)anthracene	13.96	228	274166	13.620	ng	98
82) Chrysene	14.00	228	239904	12.622	ng	99
85) Indeno(1,2,3-cd)pyrene	16.94	276	73547	4.345	ng	# 89
87) Benzo(b)fluoranthene	15.02	252	301406	18.801	ng	96
88) Benzo(k)fluoranthene	15.02	252	301406	19.338	ng	99
89) Benzo(a)pyrene	15.39	252	154261	10.438	ng	96
91) Benzo(a,h,i)perylene	17.40	276	61159	4.868	ng	95

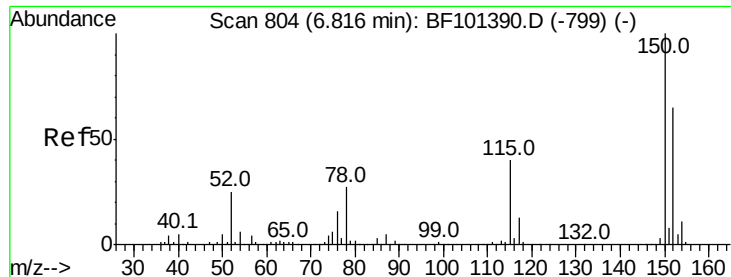
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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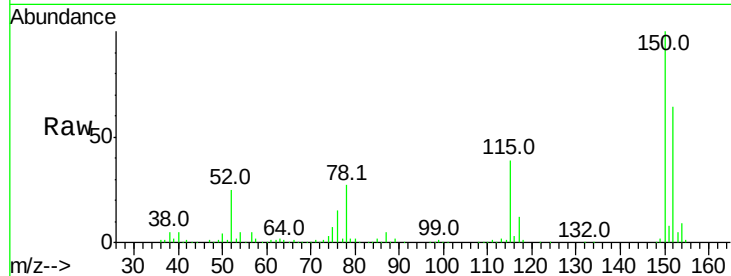


#1

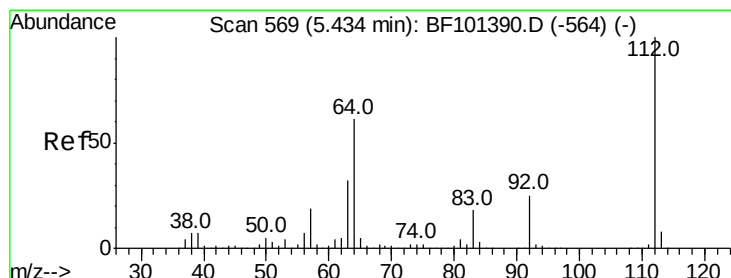
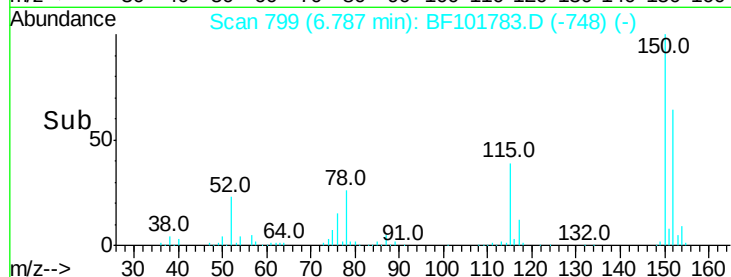
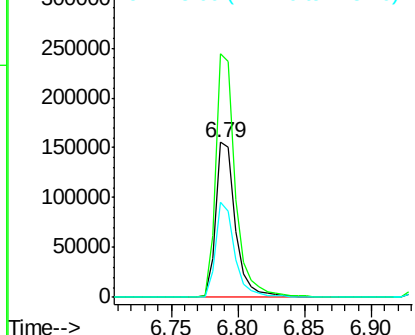
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 163901
 Ion Ratio Lower Upper
 152 100
 150 157.3 124.6 186.8
 115 61.7 50.1 75.1



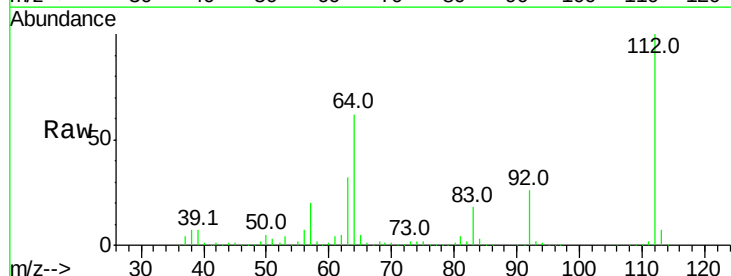
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



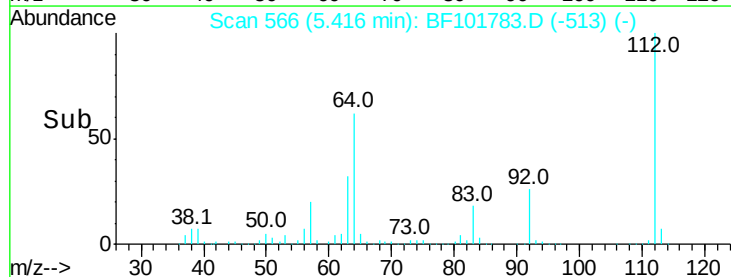
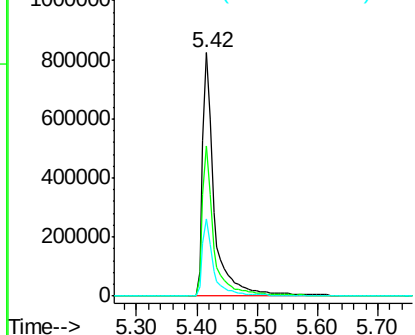
#5

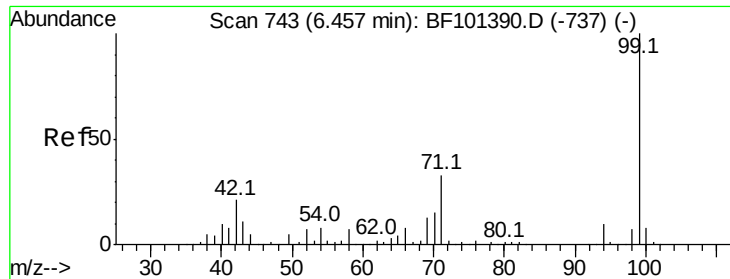
2-Fluorophenol
 Concen: 102.777 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Tgt Ion:112 Resp: 1130874
 Ion Ratio Lower Upper
 112 100
 64 61.9 47.9 71.9
 63 31.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 96.860 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

Instrument :

BNA_F

ClientSampleId :

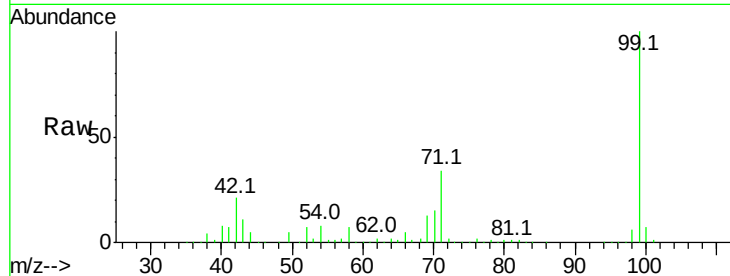
Tot Ion: 99 Resp: 1326384

Ion Ratio Lower Upper

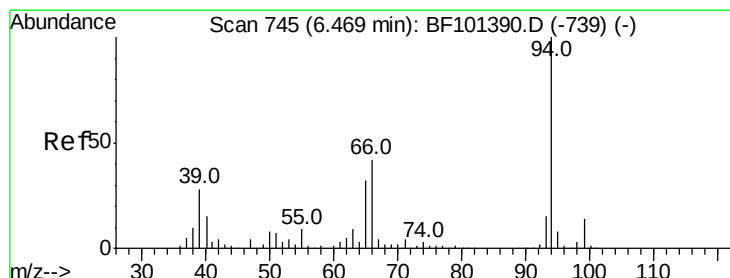
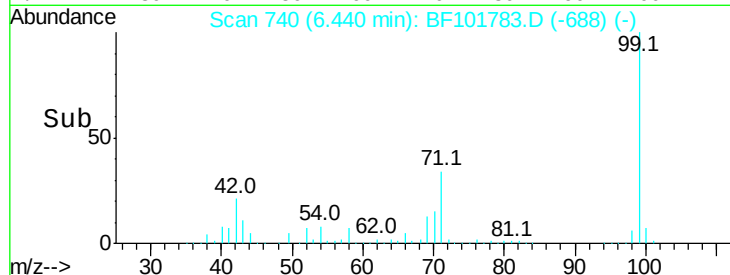
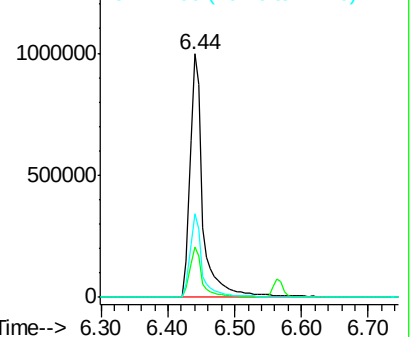
99 100

42 20.7 14.5 21.7

71 34.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.581 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

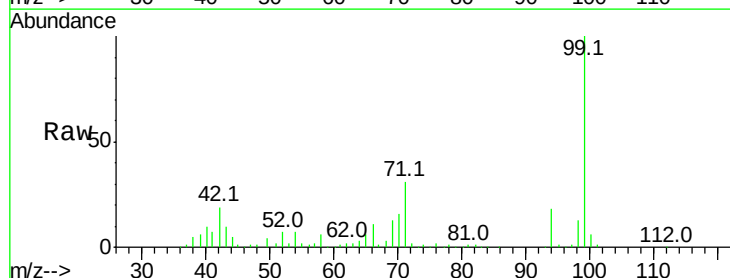
Tgt Ion: 94 Resp: 71494

Ion Ratio Lower Upper

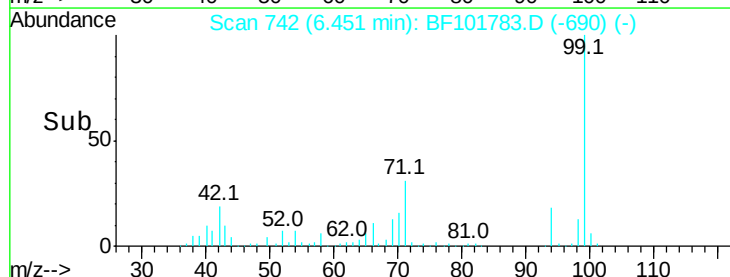
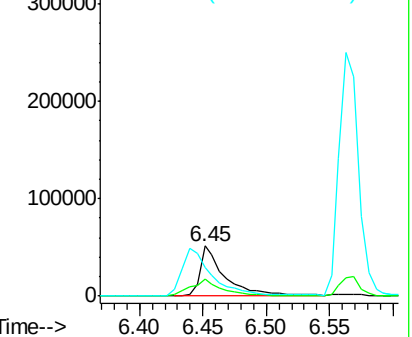
94 100

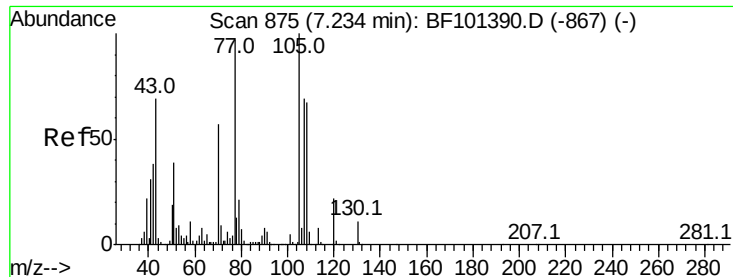
65 35.1 7.9 47.9

66 58.0 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

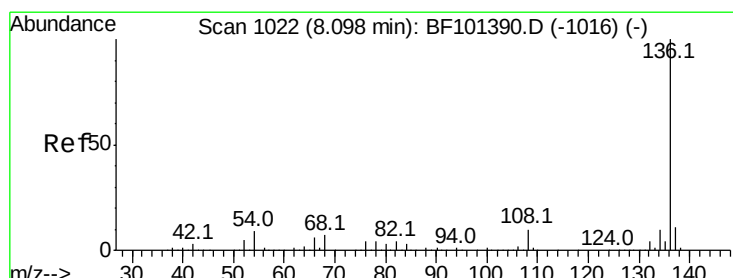
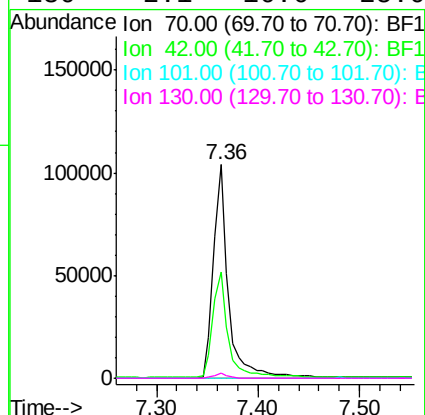
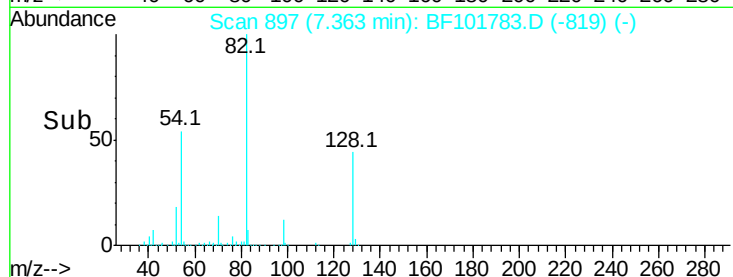
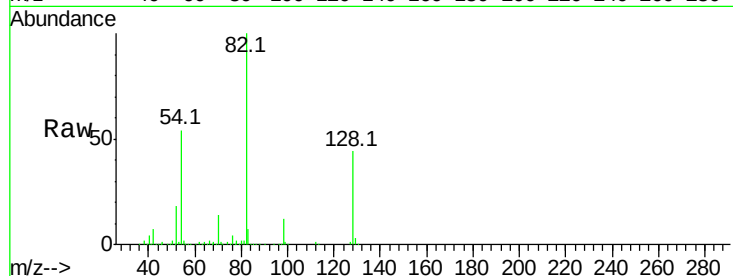




#19
n-Nitroso-di-n-propylamine
Concen: 12.117 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.16 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

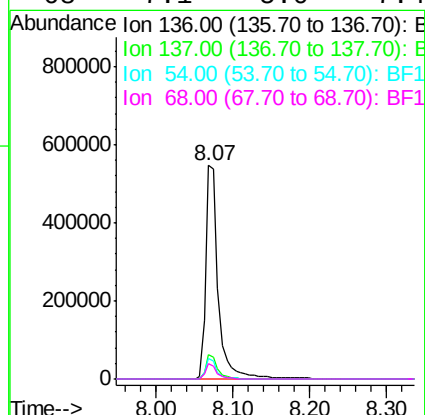
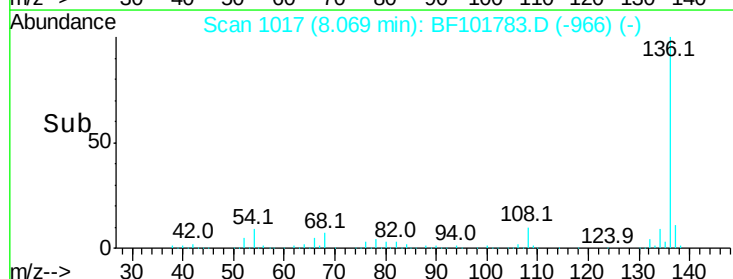
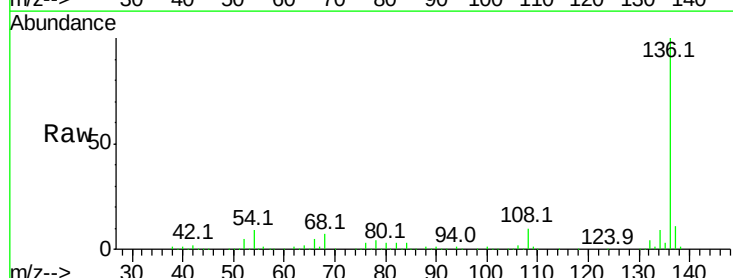
Instrument :
BNA_F
ClientSampleId :

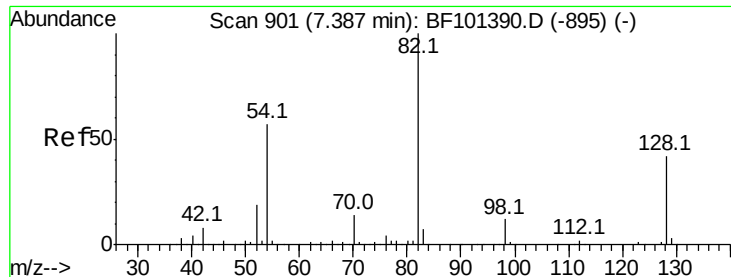
Tot Ion: 70 Resp: 108971
Ion Ratio Lower Upper
70 100
42 50.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Tgt Ion: 136 Resp: 622131
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 9.5 6.6 9.8
68 7.1 5.0 7.4

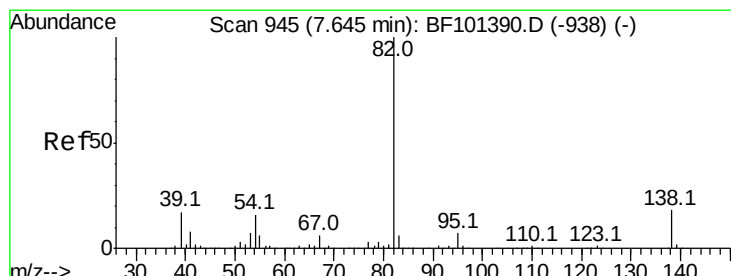
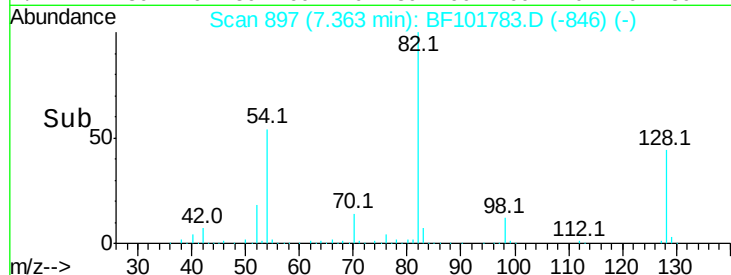
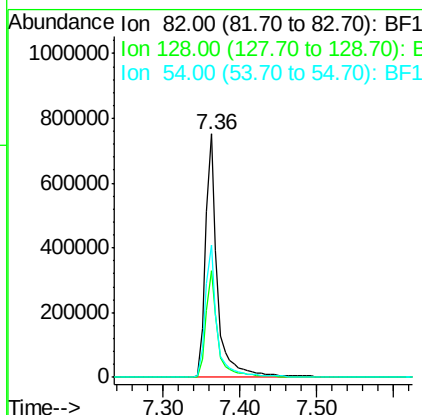
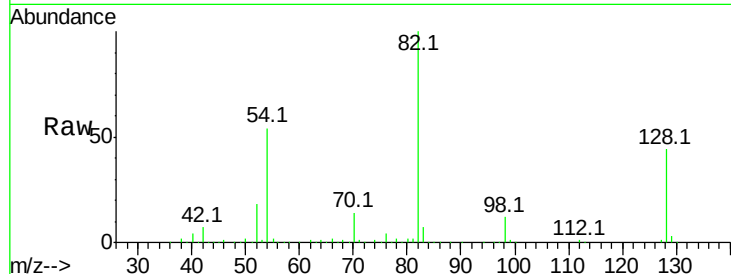




#23
 Nitrobenzene-d5
 Concen: 72.963 ng
 RT: 7.36 min Scan# 897
 Delta R.T. 0.00 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

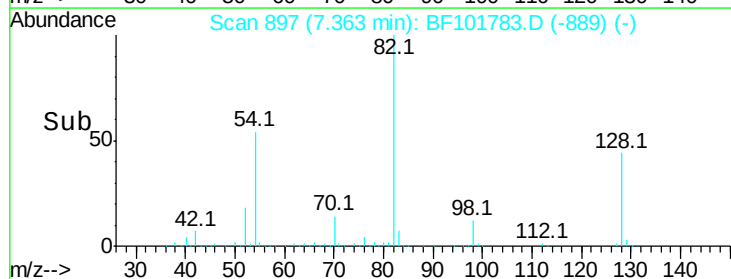
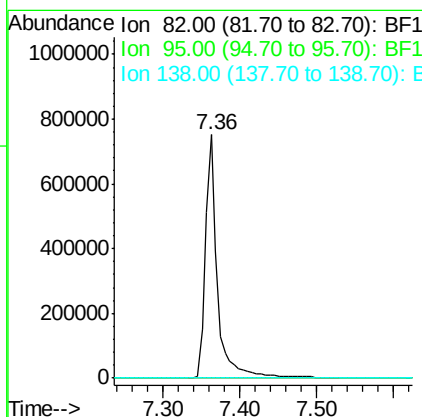
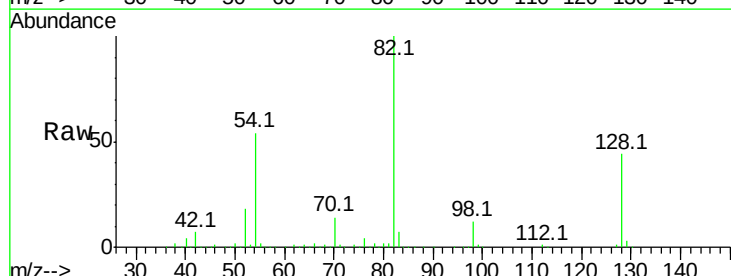
Instrument :
 BNA_F
 ClientSampleId :

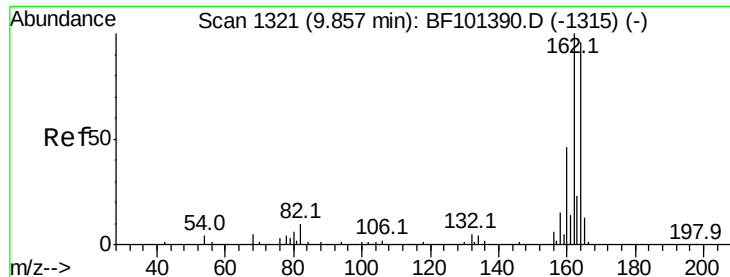
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.1	54.1
54	54.2	41.4	62.2



#25
 Isophorone
 Concen: 36.371 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.25 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

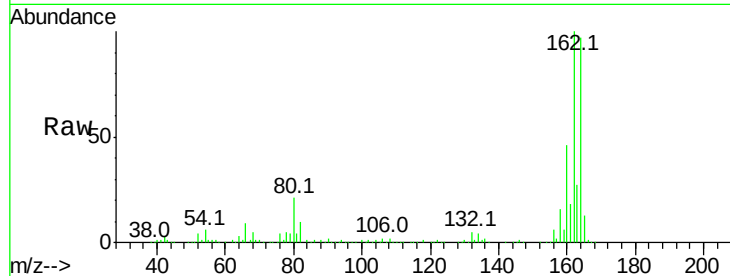




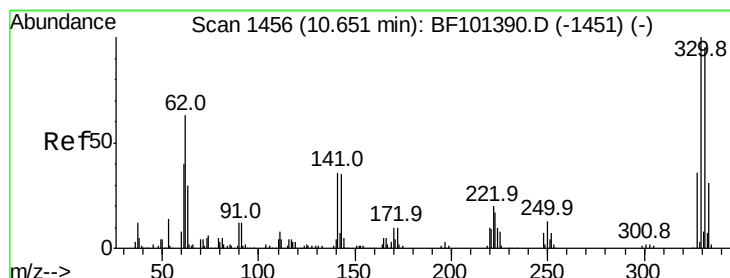
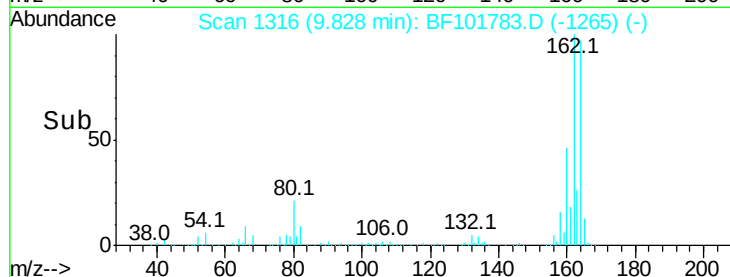
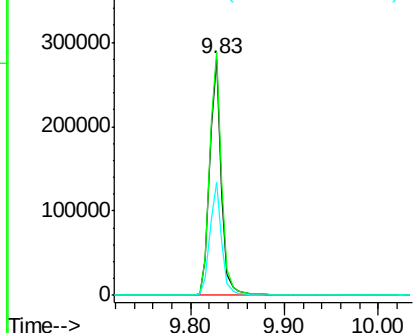
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	86.1	129.1
160	47.9	38.3	57.5

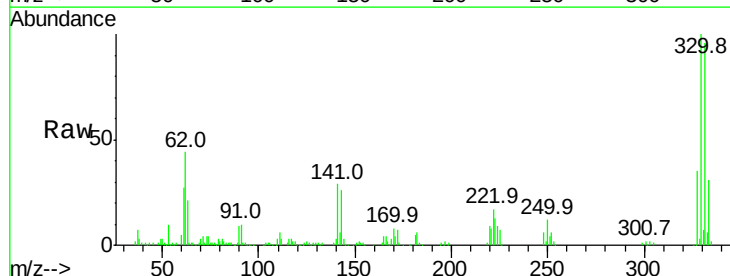


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

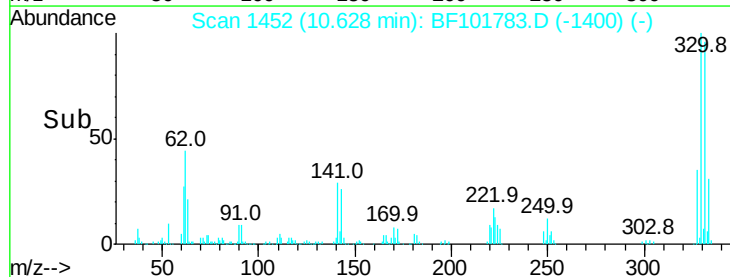
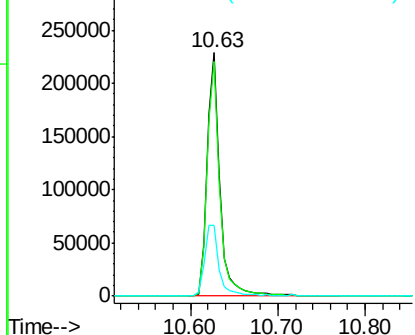


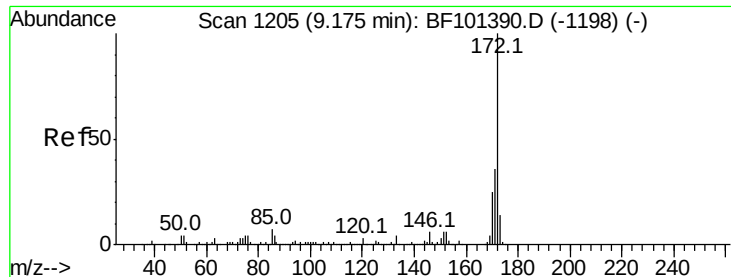
#41
 2,4,6-Tribromophenol
 Concen: 98.257 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	32.9	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

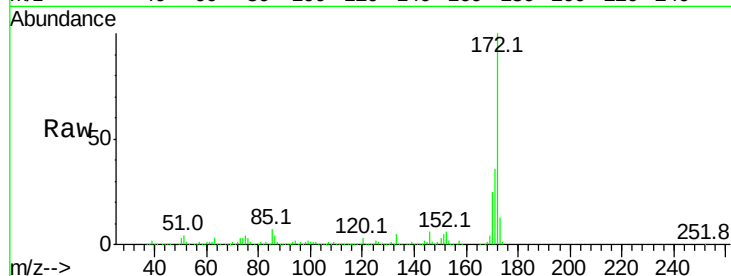




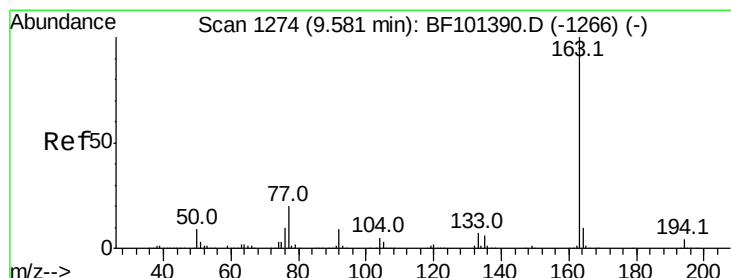
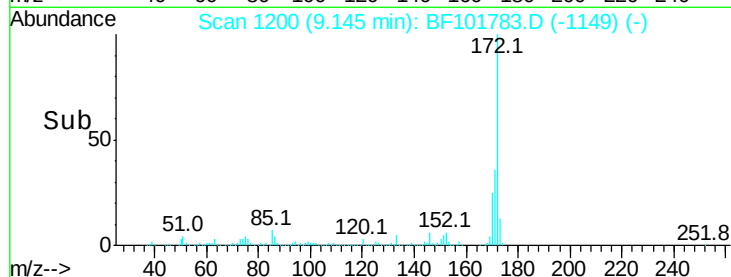
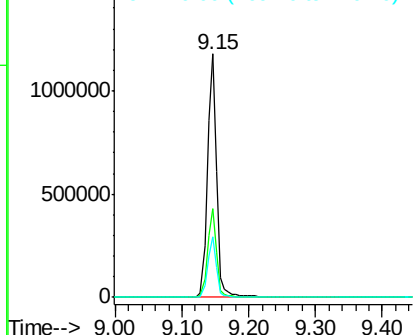
#44
2-Fluorobiphenyl
Concen: 70.457 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1124296
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 25.0 19.6 29.4

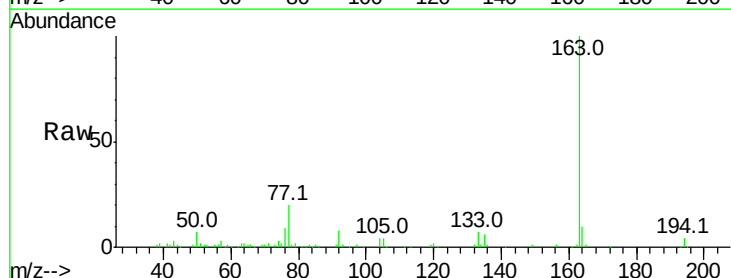


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

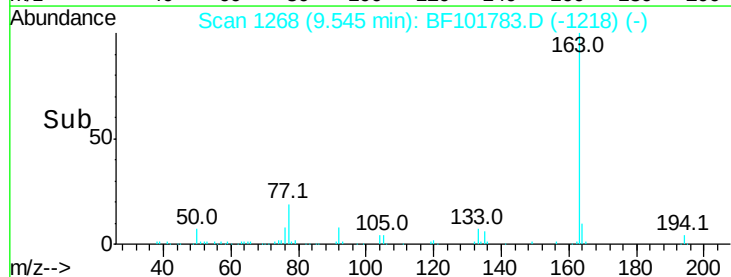
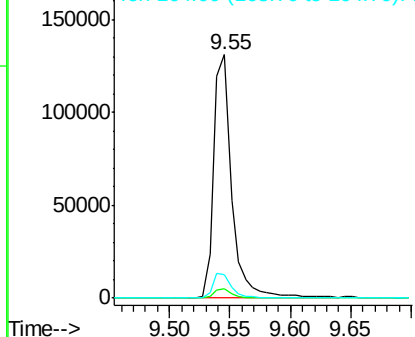


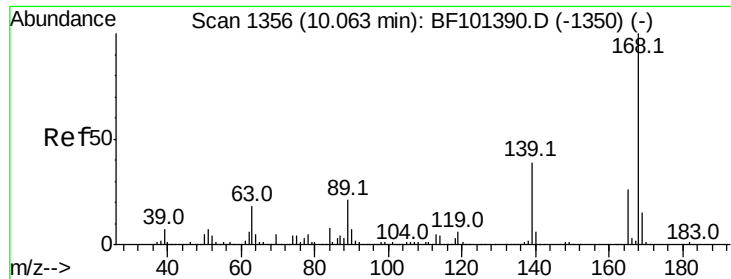
#49
Dimethylphthalate
Concen: 6.764 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Tgt Ion:163 Resp: 134675
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.6 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





#54

Dibenzofuran

Concen: 2.102 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

Instrument :

BNA_F

ClientSampleId :

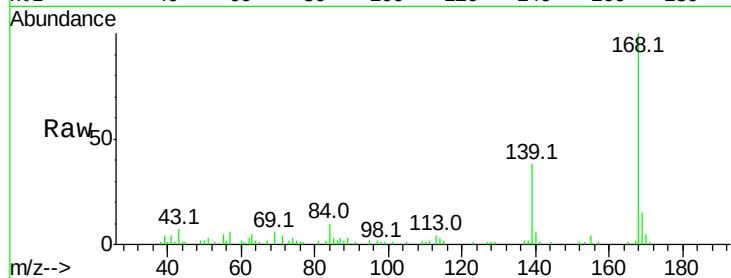
Tot Ion:168 Resp: 42577

Ion Ratio Lower Upper

168 100

139 37.9 30.1 45.1

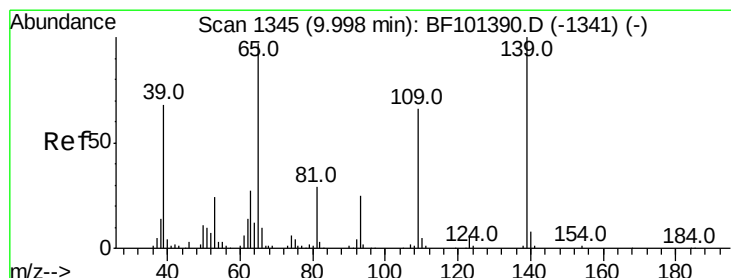
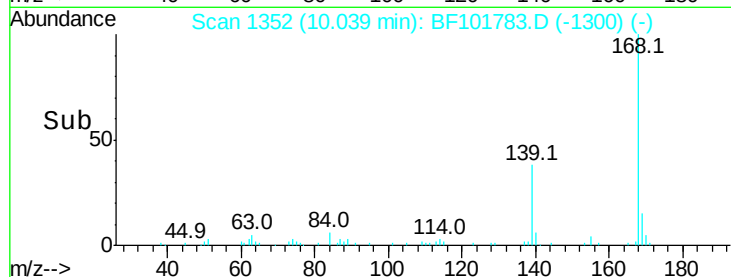
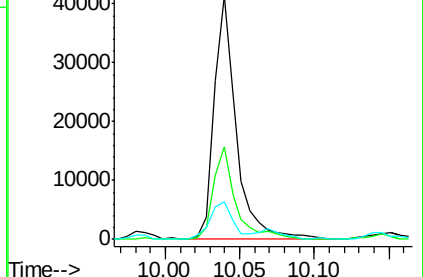
169 15.5 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 7.433 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.05 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

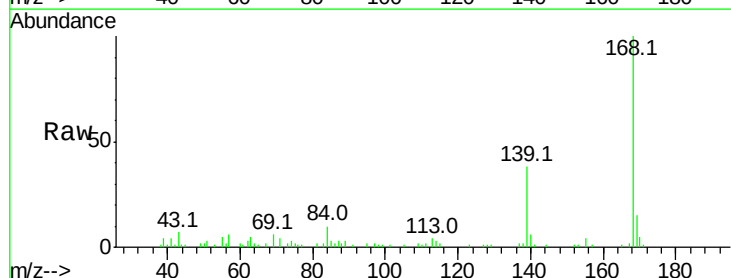
Tgt Ion:139 Resp: 16352

Ion Ratio Lower Upper

139 100

109 5.6 48.4 88.4#

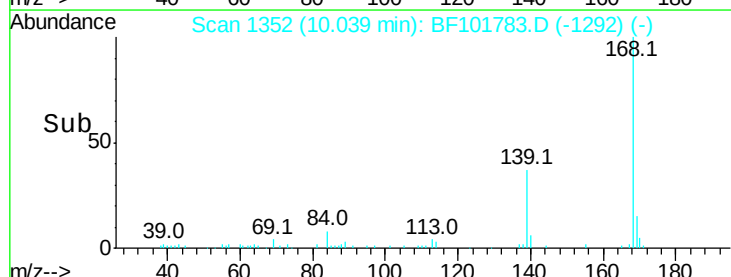
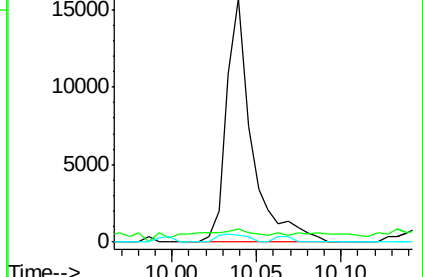
65 3.0 72.6 112.6#

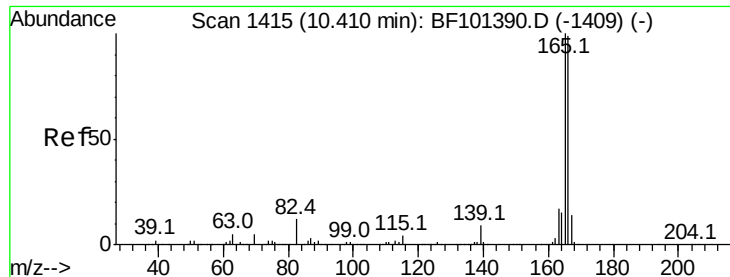


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

Fluorene

Concen: 2.299 ng

RT: 10.38 min Scan# 1410

Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

Instrument :

BNA_F

ClientSampleId :

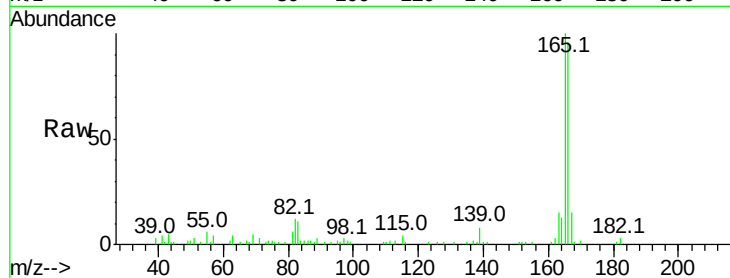
Tot Ion:166 Resp: 39398

Ion Ratio Lower Upper

166 100

165 103.8 79.8 119.8

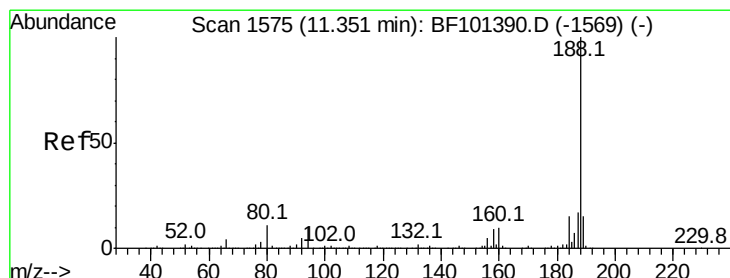
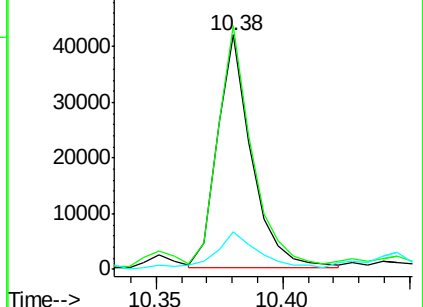
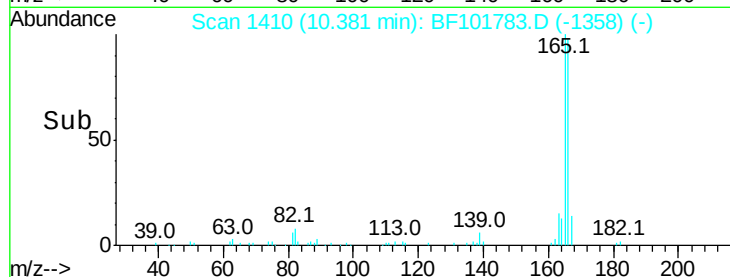
167 16.0 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

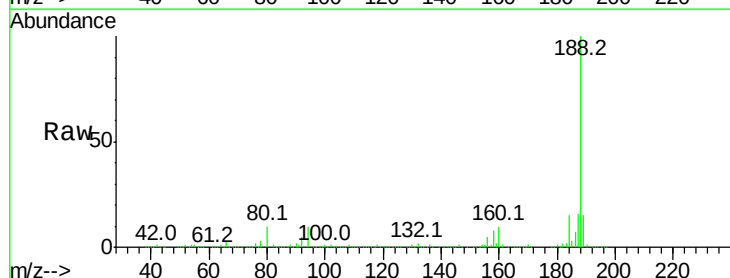
Tgt Ion:188 Resp: 384739

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

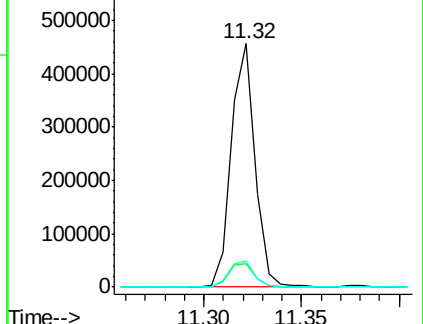
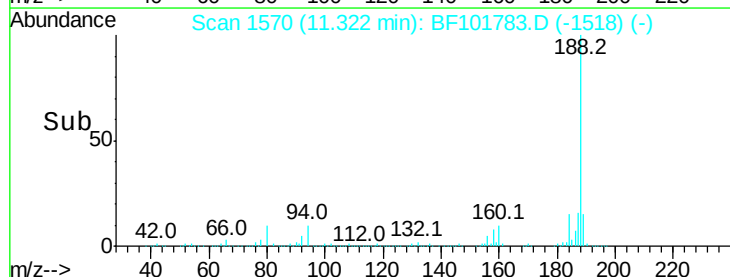
80 10.5 9.2 13.8

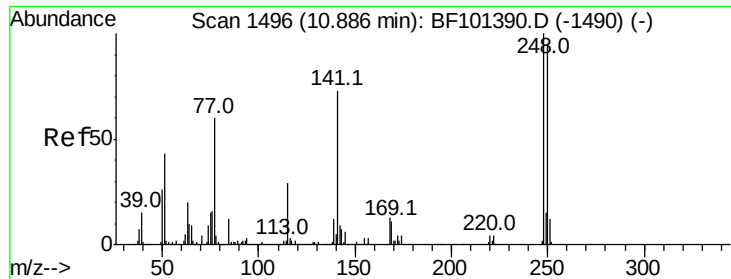


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

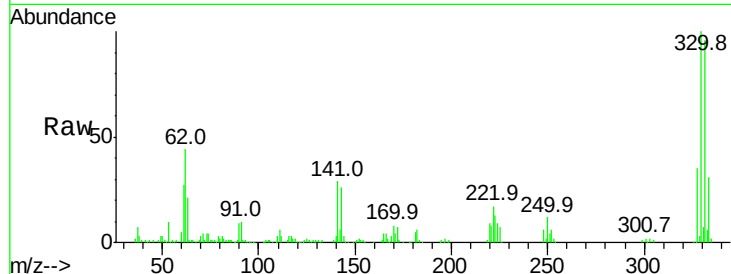




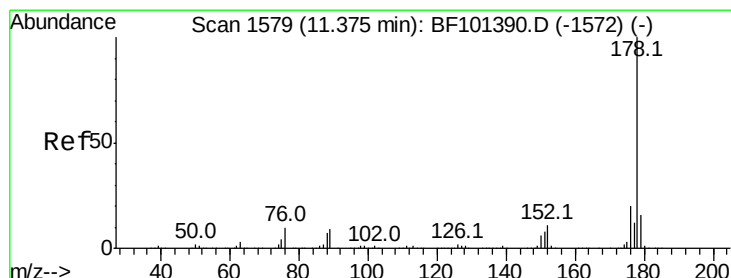
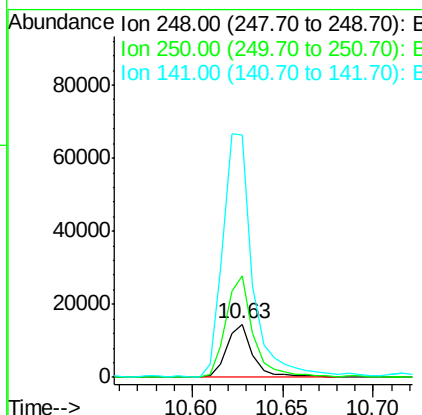
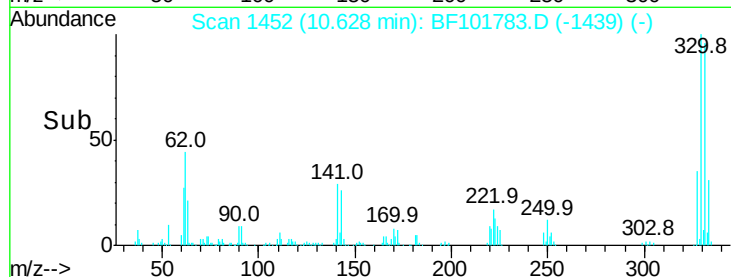
#66
 4-Bromophenyl-phenylether
 Concen: 3.395 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.22 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14676
 Ion Ratio Lower Upper
 248 100
 250 191.2 76.9 115.3#
 141 454.1 74.4 111.6#

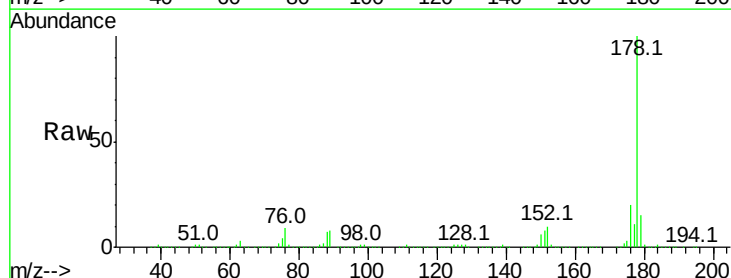


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

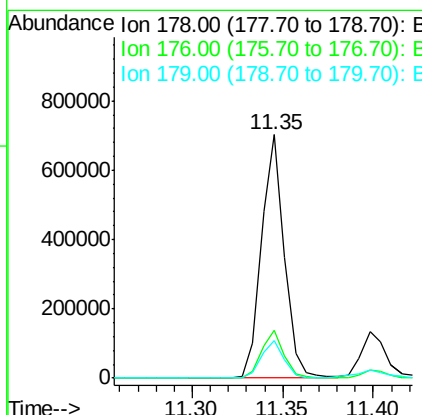
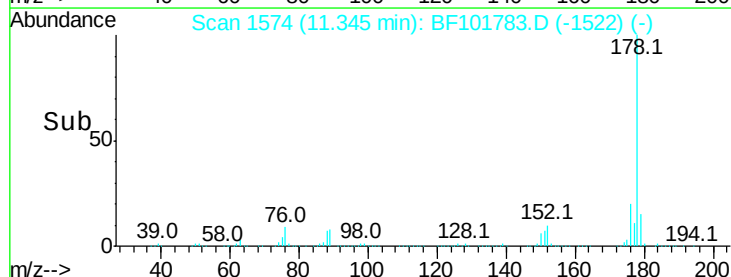


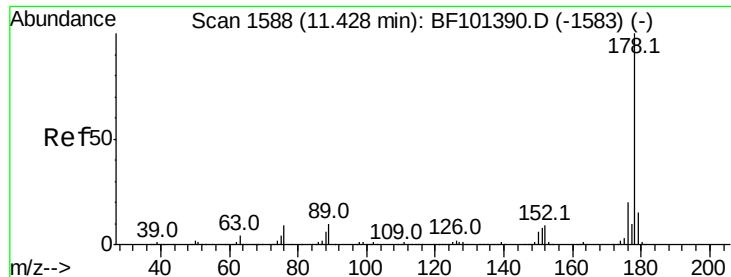
#70
 Phenanthrene
 Concen: 28.783 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Tgt Ion:178 Resp: 615840
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.3 13.0 19.6



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

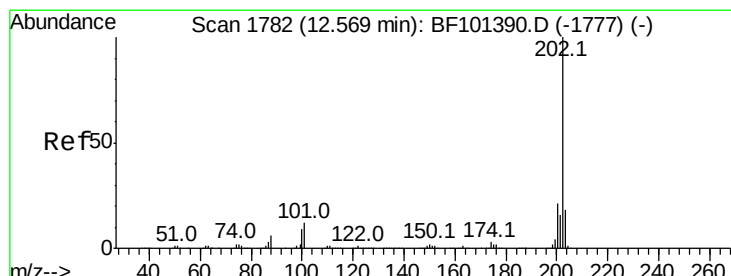
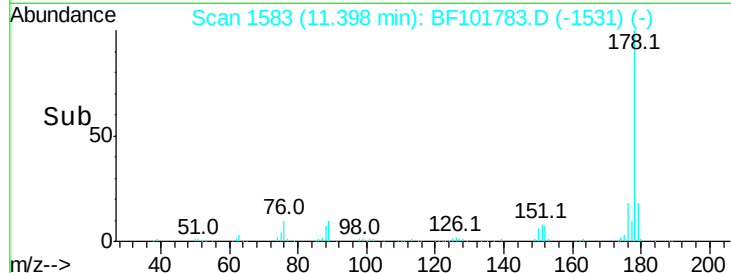
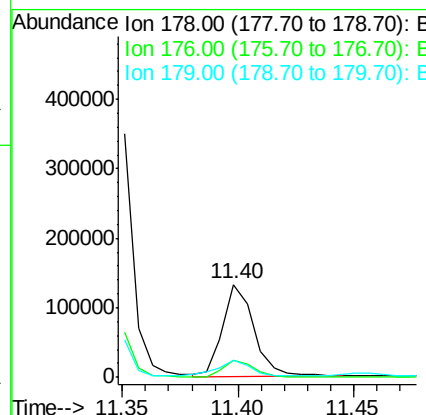
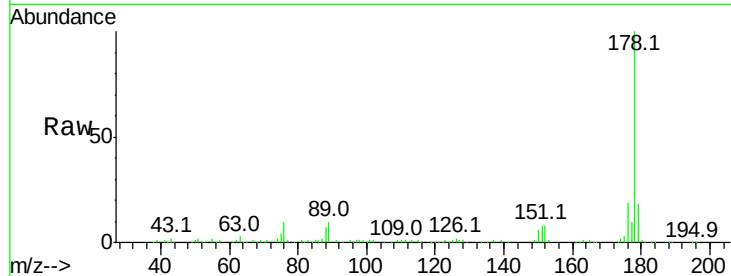




#71
 Anthracene
 Concen: 5.715 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

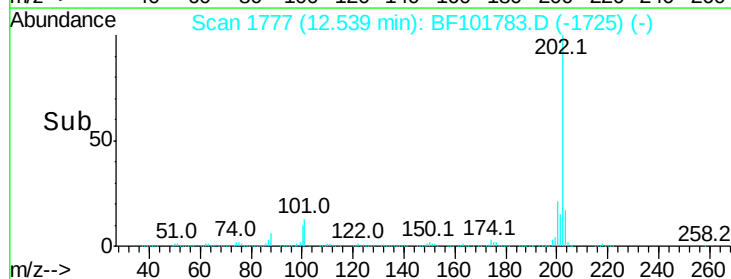
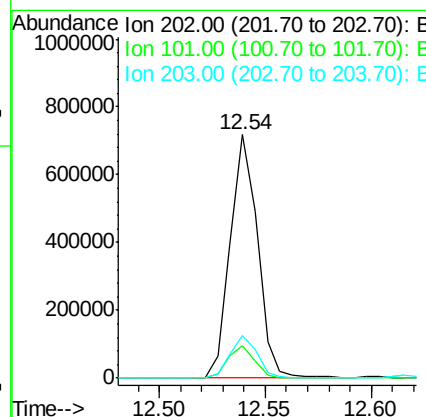
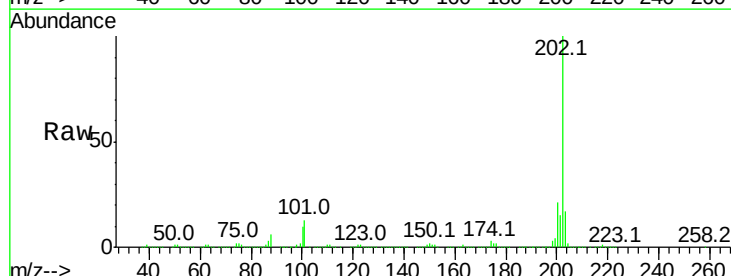
Instrument :
 BNA_F
 ClientSampled :

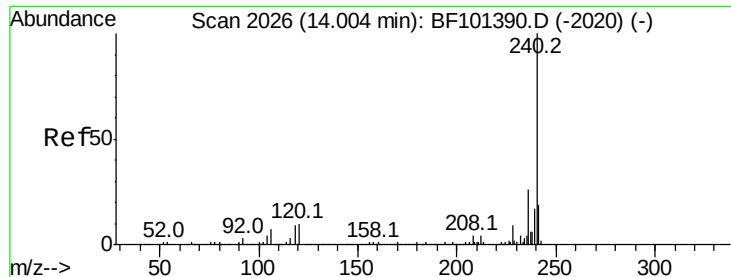
Tot Ion:178 Resp: 124903
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 18.2 12.6 19.0



#74
 Fluoranthene
 Concen: 28.550 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Tgt Ion:202 Resp: 641187
 Ion Ratio Lower Upper
 202 100
 101 13.5 0.0 34.1
 203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

Instrument :

BNA_F

ClientSampleId :

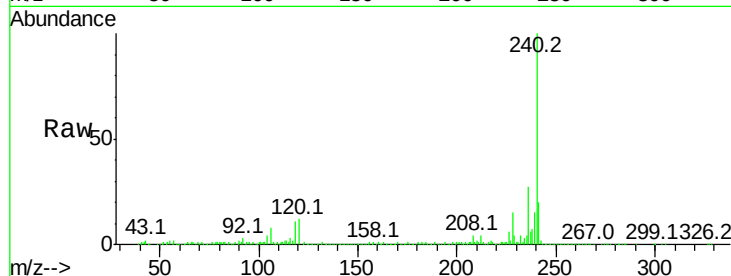
Tot Ion:240 Resp: 304851

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

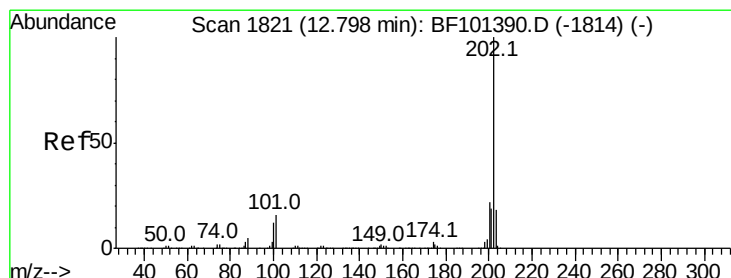
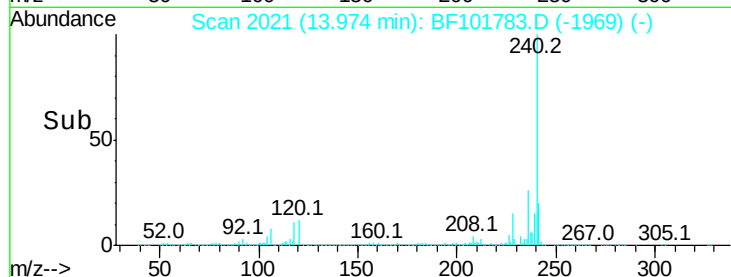
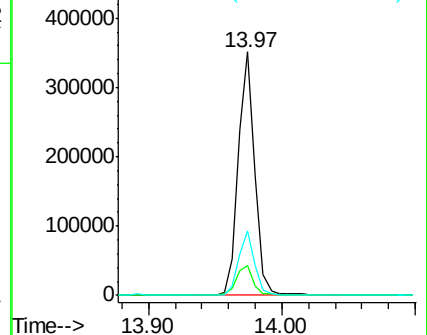
236 26.6 20.7 31.1



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: 24.708 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

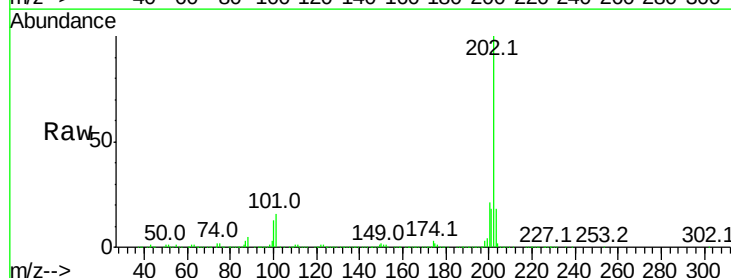
Tgt Ion:202 Resp: 565297

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

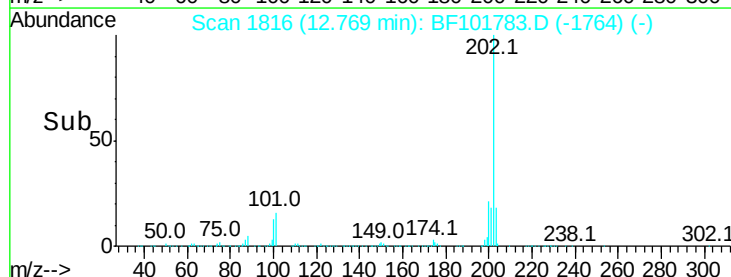
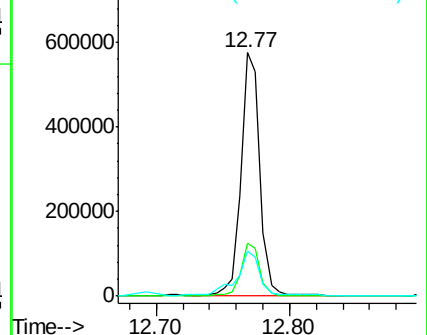
203 18.3 14.3 21.5

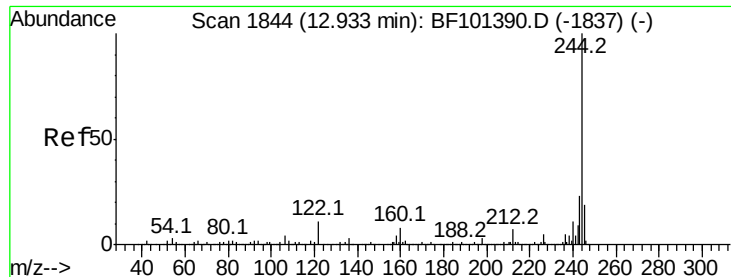


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 59.207 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

Instrument :

BNA_F

ClientSampleId :

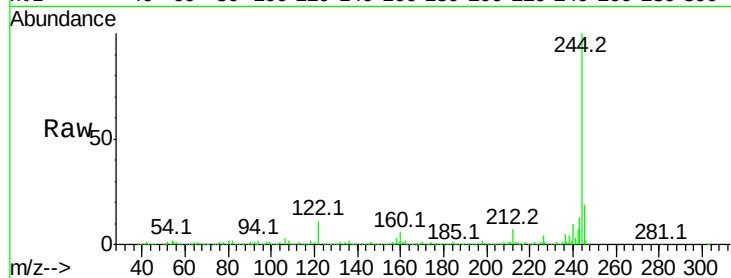
Tot Ion:244 Resp: 748701

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

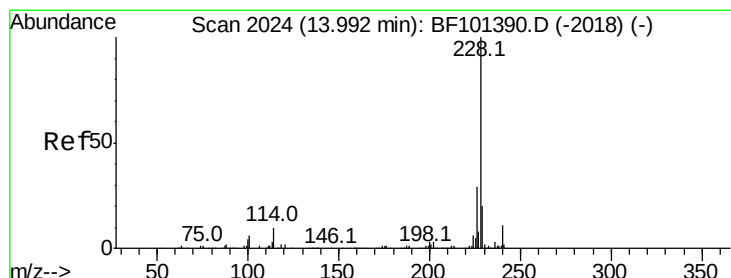
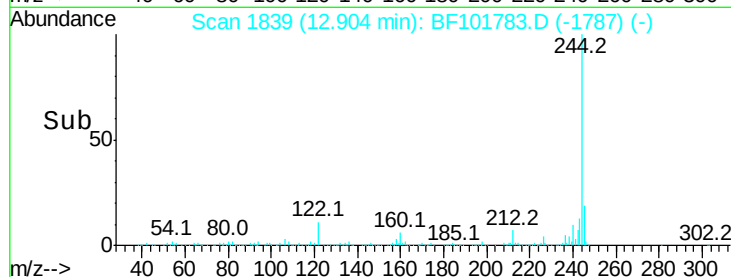
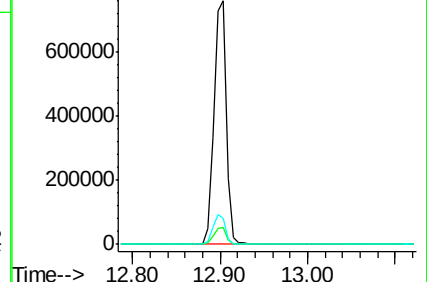
122 10.7 11.0 16.4#



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: 13.620 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

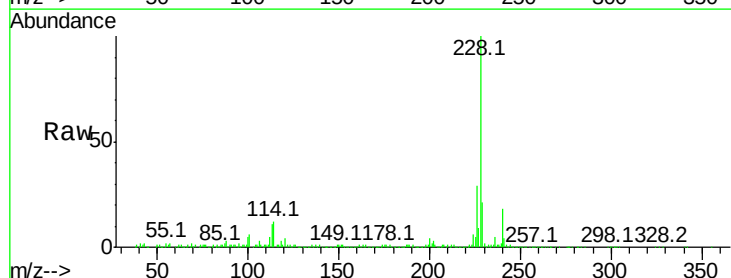
Tgt Ion:228 Resp: 274166

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

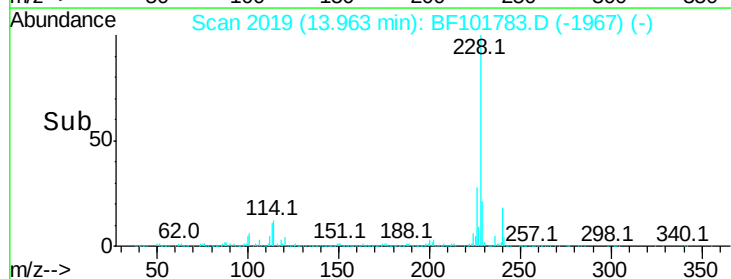
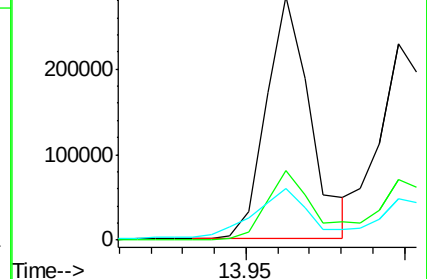
229 21.0 15.8 23.6

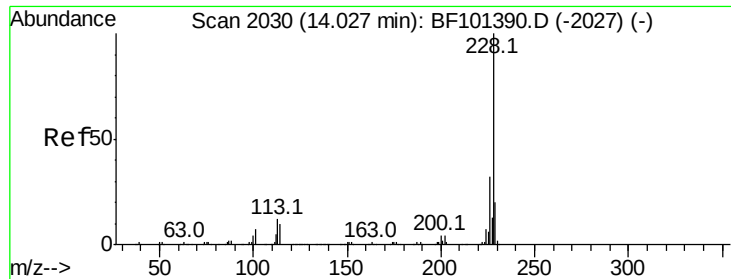


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.622 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

Instrument :

BNA_F

ClientSampleId :

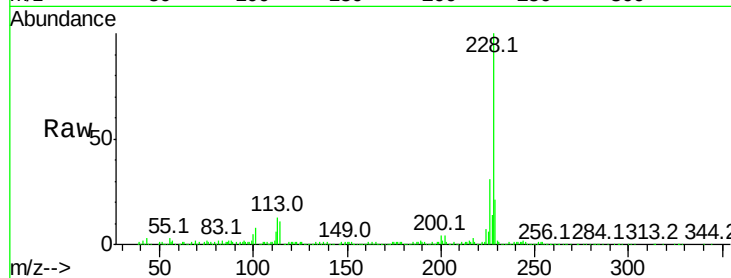
Tot Ion:228 Resp: 239904

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

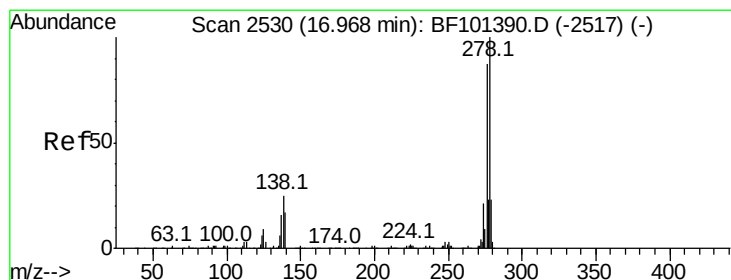
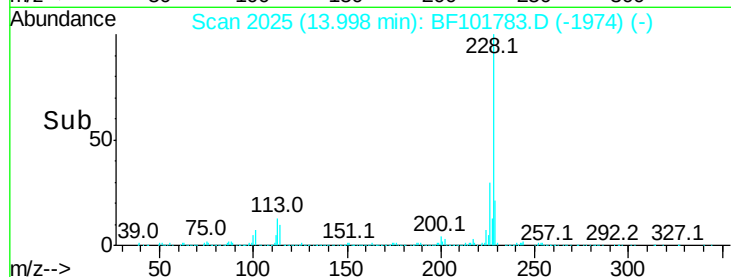
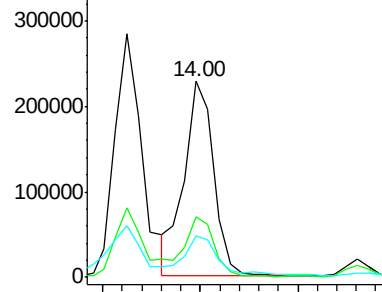
229 21.2 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.345 ng

RT: 16.94 min Scan# 2526

Delta R.T. 0.04 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

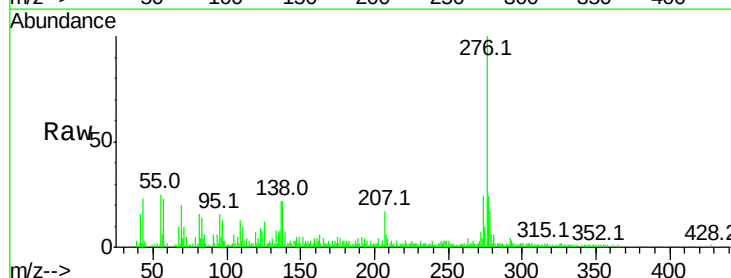
Tgt Ion:276 Resp: 73547

Ion Ratio Lower Upper

276 100

138 22.1 25.0 37.6#

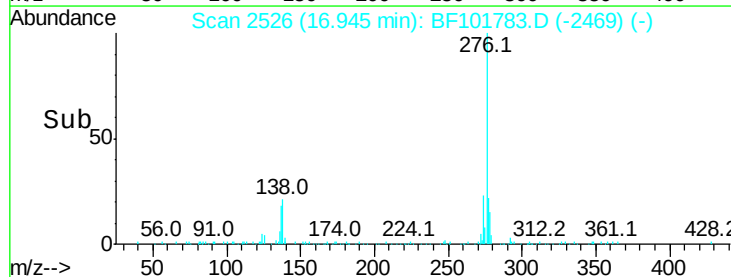
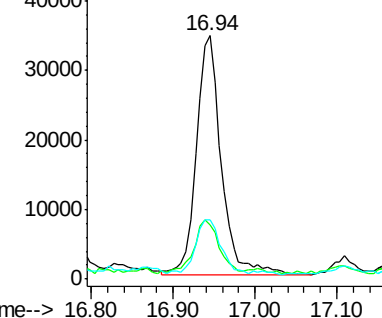
277 22.6 20.1 30.1

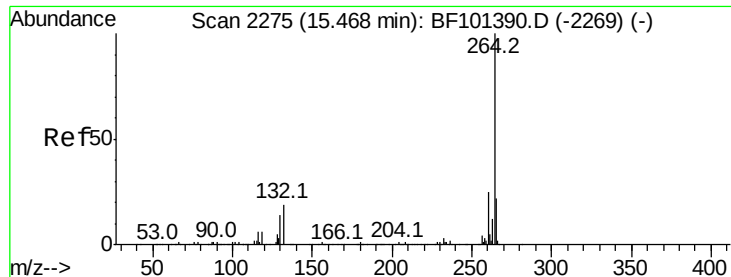


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



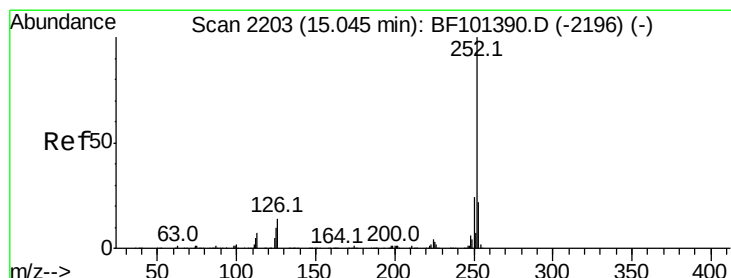
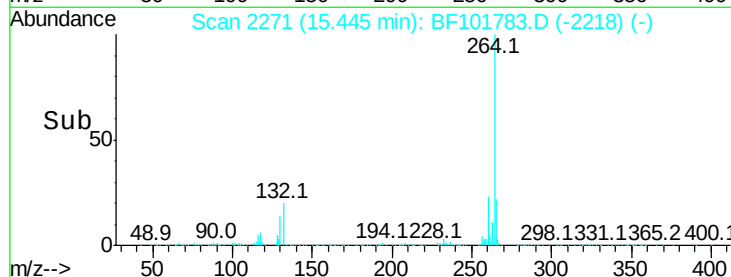
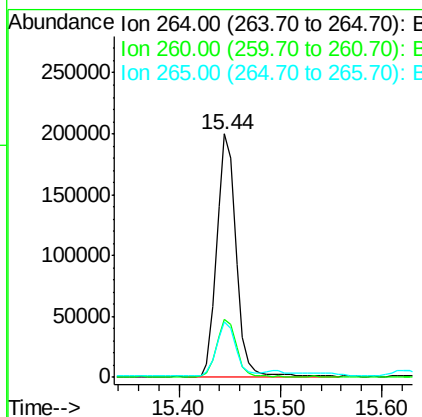
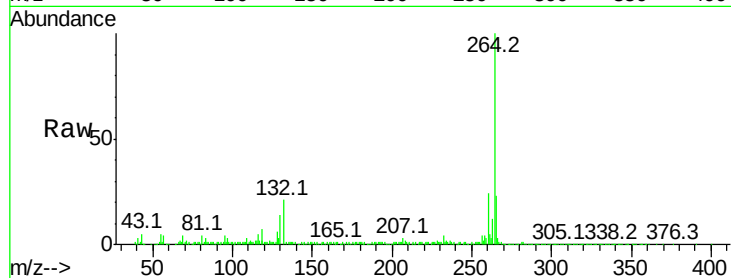


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 263009

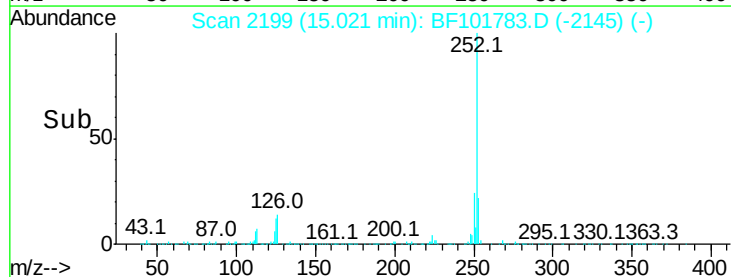
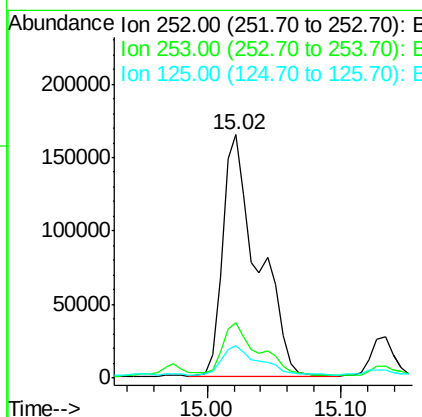
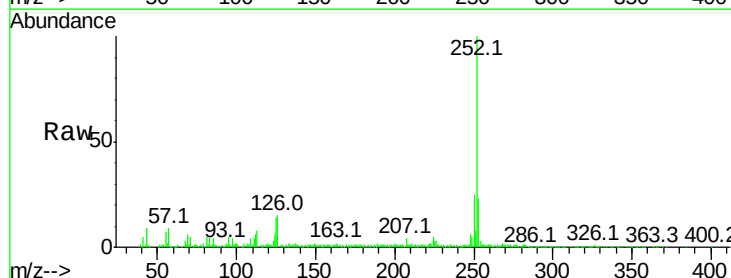
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.9	17.5	26.3

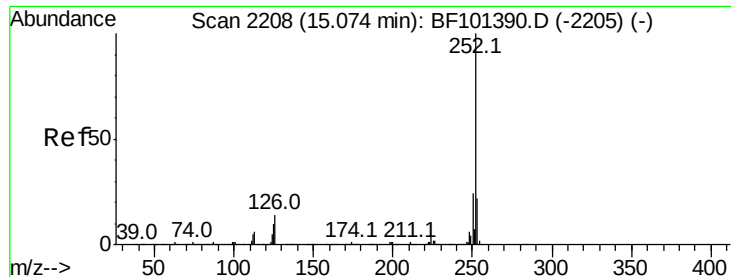


#87
Benzo(b)fluoranthene
Concen: 18.801 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.02 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Tgt Ion:252 Resp: 301406

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	13.6	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 19.338 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

Instrument :

BNA_F

ClientSampleId :

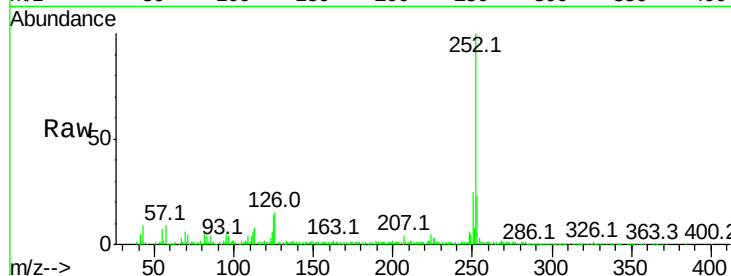
Tot Ion:252 Resp: 301406

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

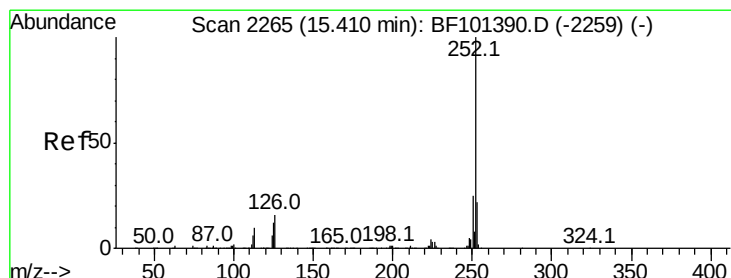
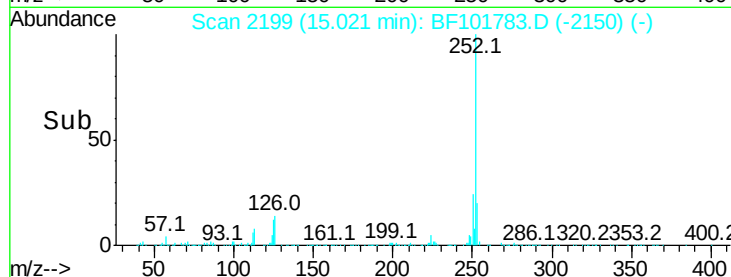
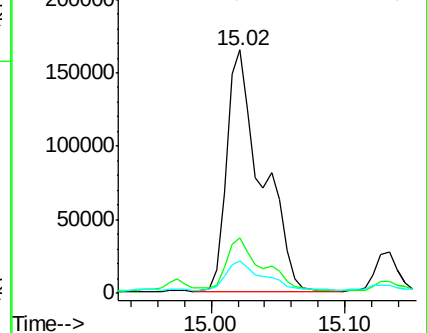
125 13.6 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 10.438 ng

RT: 15.39 min Scan# 2261

Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

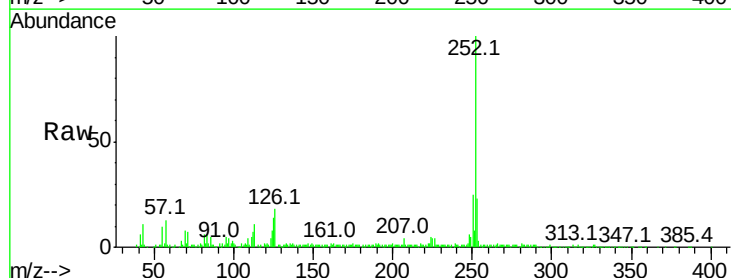
Tgt Ion:252 Resp: 154261

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

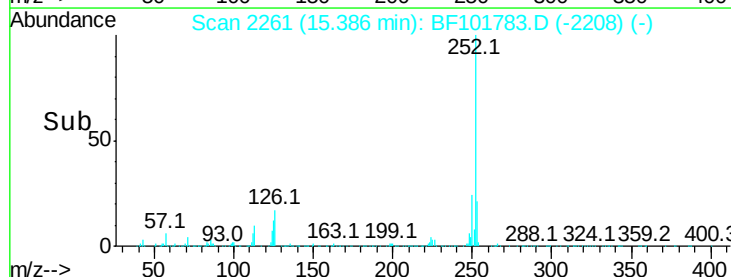
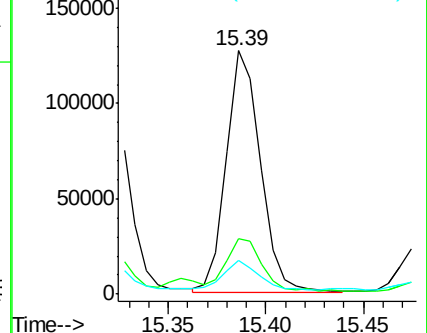
125 13.9 9.8 14.6

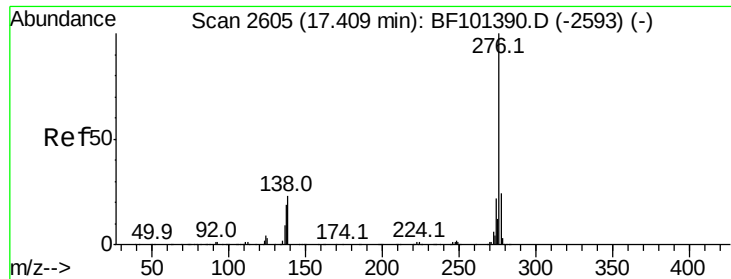


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

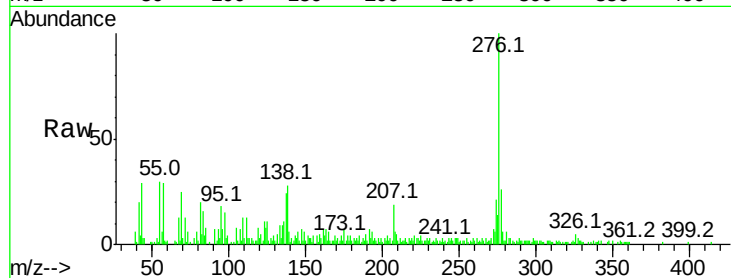




#91
 Benzo(a,h,i)perylene
 Concen: 4.868 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.05 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.2	17.9	26.9
138	28.3	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

