

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101273.D
 Acq On : 9 Dec 2017 9:45
 Operator : SJ/JU
 Sample : I6744-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 23:43:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	45856	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	162169	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	65800	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	108625	20.00	ng	0.00
75) Chrysene-d12	14.01	240	84897	20.00	ng	0.00
86) Perylene-d12	15.49	264	63424	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	266926	96.19	ng	0.01
7) Phenol-d6	6.47	99	315992	93.79	ng	0.00
23) Nitrobenzene-d5	7.39	82	170457	62.70	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	61156	77.37	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	352234	73.24	ng	0.00
78) Terphenyl-d14	12.94	244	283502	73.04	ng	0.00

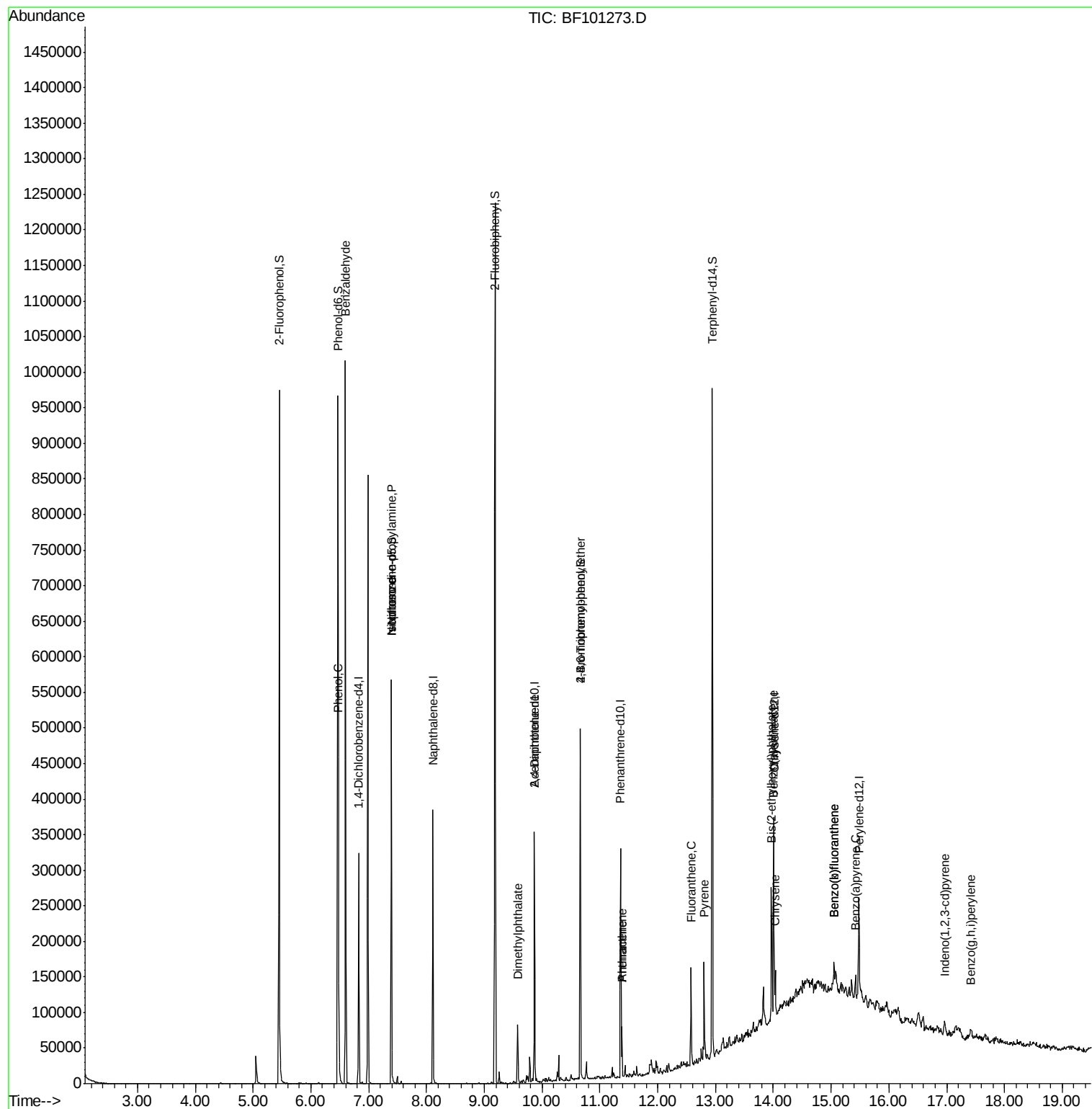
Target Compounds				Qvalue		
9) Benzaldehyde	6.60	77	5694	2.761	ng	90
10) Phenol	6.48	94	11752	3.137	ng	89
19) n-Nitroso-di-n-propylamine	7.39	70	22550	9.938	ng	# 80
25) Isophorone	7.39	82	170454	36.708	ng	# 64
49) Dimethylphthalate	9.58	163	32435	6.112	ng	98
56) 2,4-Dinitrotoluene	9.87	165	8004	5.343	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	3911	3.217	ng	# 1
70) Phenanthrene	11.38	178	23666	3.956	ng	97
71) Anthracene	11.38	178	23666	3.909	ng	98
74) Fluoranthene	12.57	202	51024	7.695	ng	94
77) Pyrene	12.80	202	51922	8.863	ng	97
80) Benzo(a)anthracene	14.00	228	23127	4.315	ng	97
82) Chrysene	14.03	228	20275	4.073	ng	97
83) Bis(2-ethylhexyl)phthalate	13.97	149	49019	13.311	ng	99
85) Indeno(1,2,3-cd)pyrene	16.97	276	9469	2.139	ng	# 88
87) Benzo(b)fluoranthene	15.05	252	26354	6.937	ng	# 93
88) Benzo(k)fluoranthene	15.05	252	26354	7.041	ng	# 96
89) Benzo(a)pyrene	15.42	252	14609	4.230	ng	# 89
91) Benzo(a,h,i)perylene	17.42	276	9722	3.388	ng	93

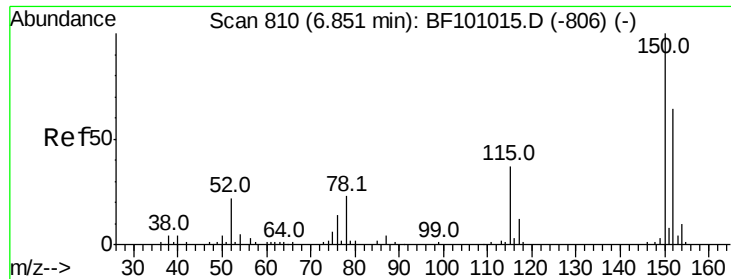
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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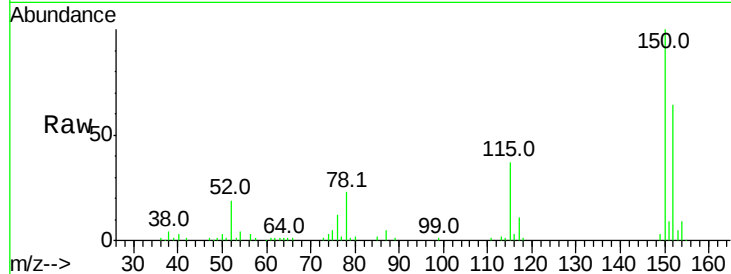


#1

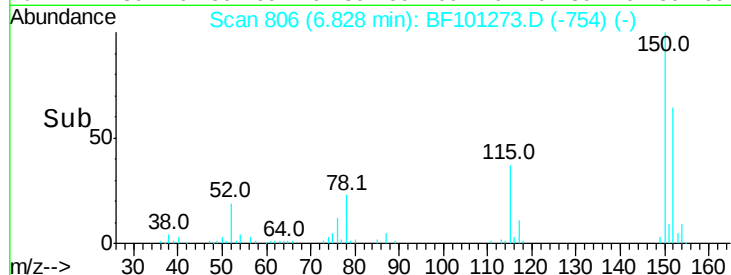
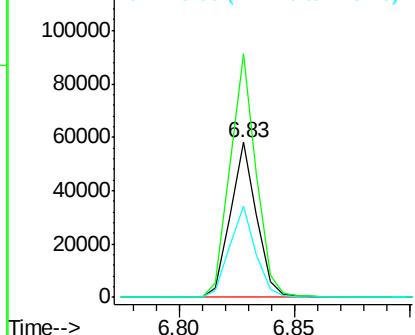
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 45856
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 58.6 50.1 75.1



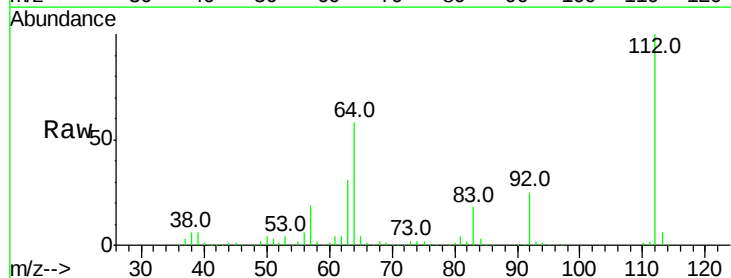
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



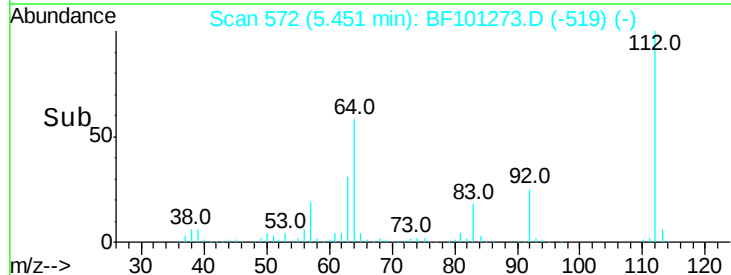
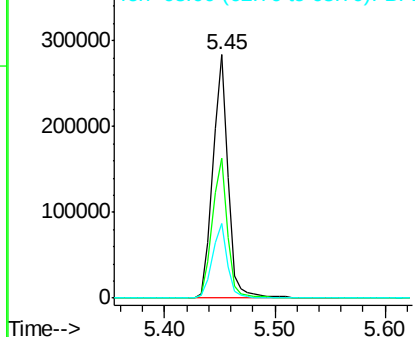
#5

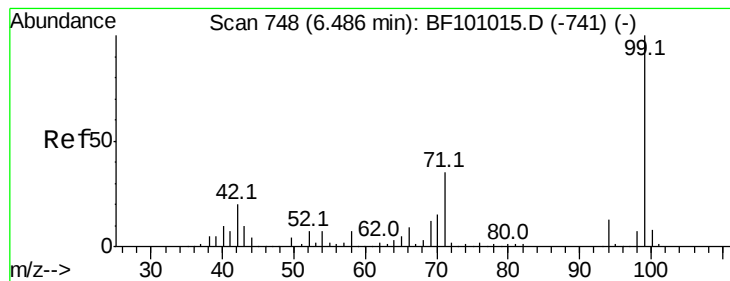
2-Fluorophenol
Concen: 96.188 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

Tgt Ion:112 Resp: 266926
Ion Ratio Lower Upper
112 100
64 57.7 47.9 71.9
63 30.6 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: 93.789 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101273.D

Acq: 9 Dec 2017 9:45

Instrument :

BNA_F

ClientSampleId :

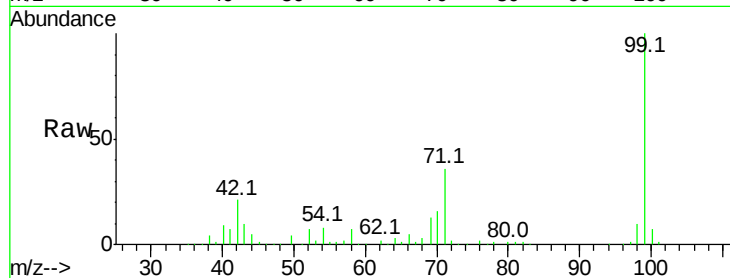
Tot Ion: 99 Resp: 315992

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

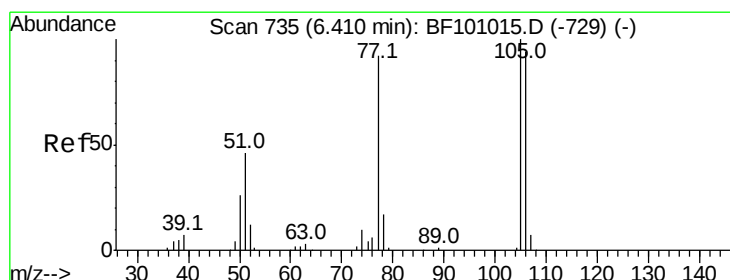
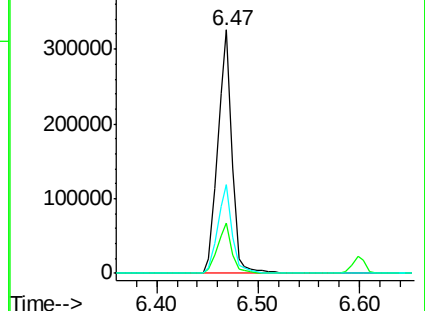
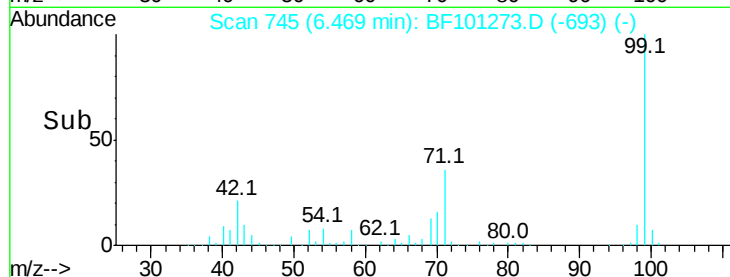
71 36.3 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.761 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF101273.D

Acq: 9 Dec 2017 9:45

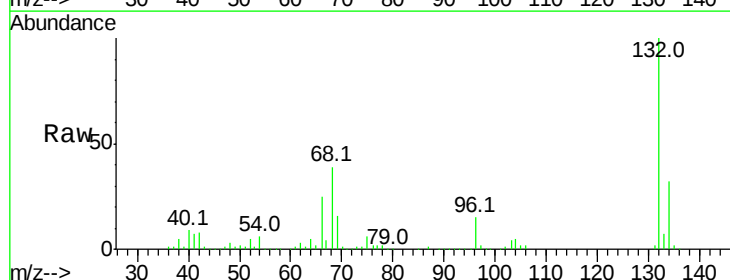
Tgt Ion: 77 Resp: 5694

Ion Ratio Lower Upper

77 100

105 91.7 81.1 121.1

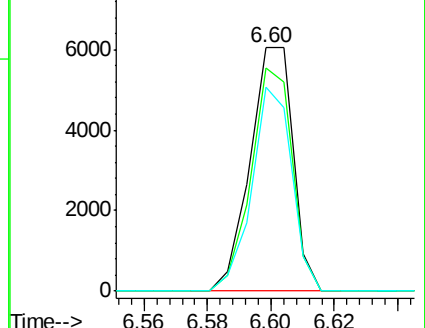
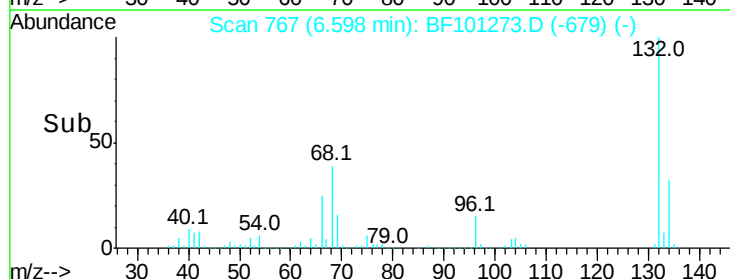
106 84.0 74.5 114.5

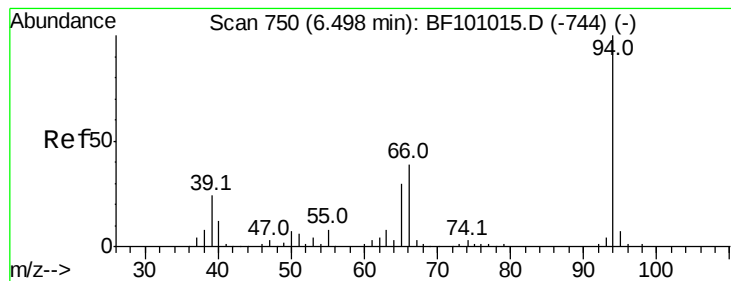


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.137 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF101273.D

Acq: 9 Dec 2017 9:45

Instrument :

BNA_F

ClientSampled :

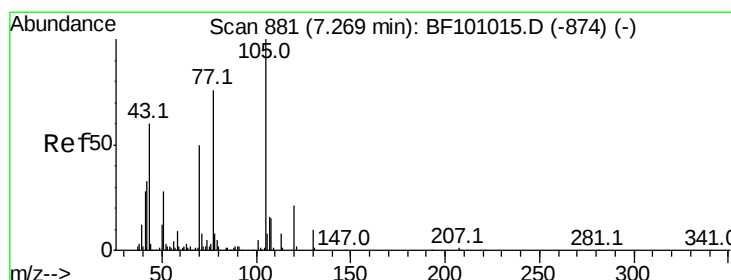
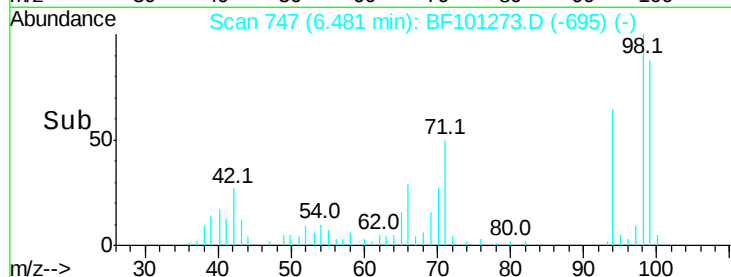
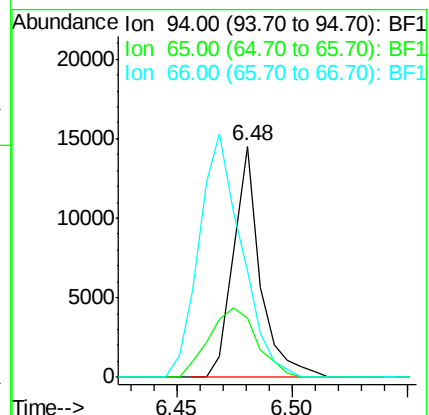
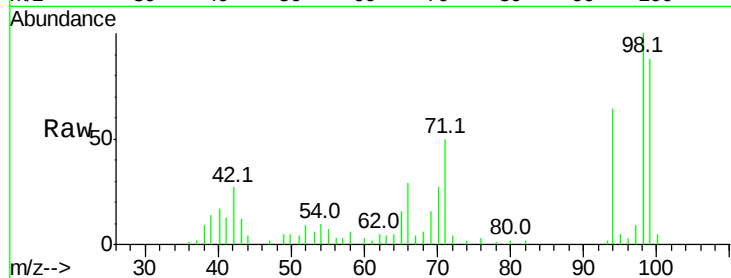
Tot Ion: 94 Resp: 11752

Ion Ratio Lower Upper

94 100

65 25.8 7.9 47.9

66 46.3 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 9.938 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF101273.D

Acq: 9 Dec 2017 9:45

Tgt Ion: 70 Resp: 22550

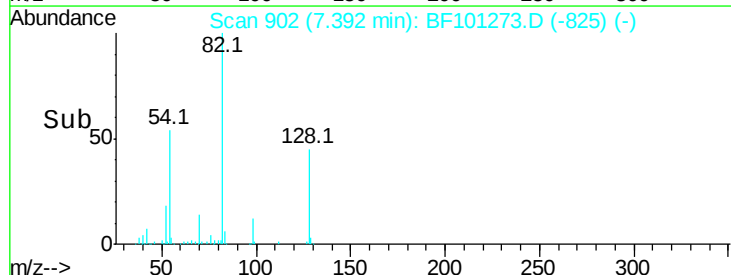
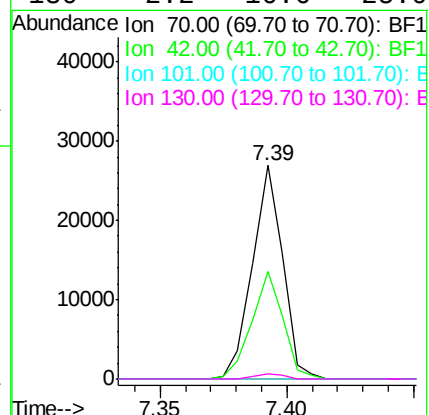
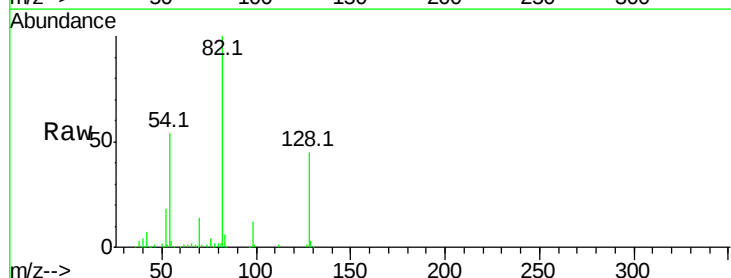
Ion Ratio Lower Upper

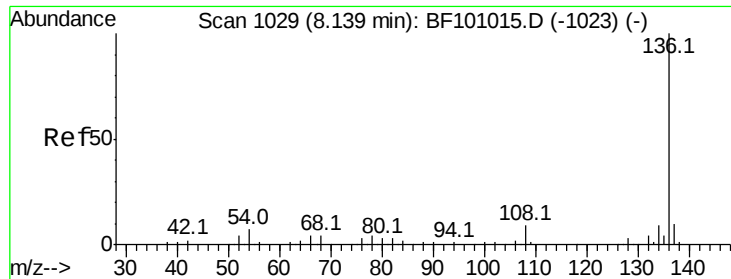
70 100

42 50.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

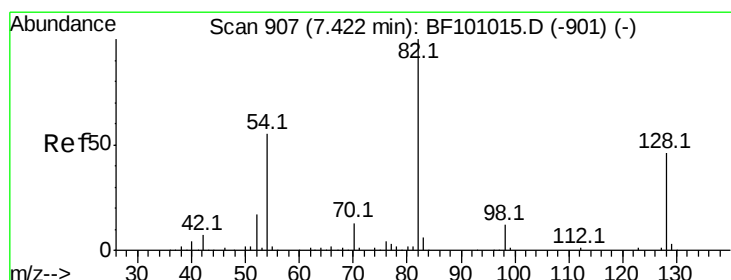
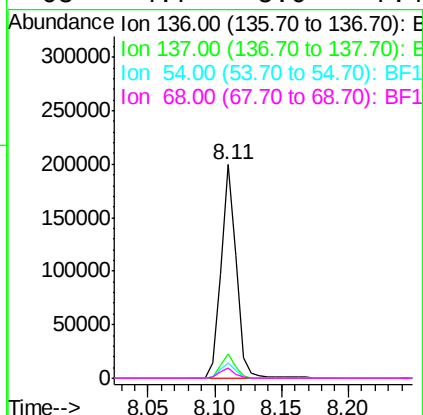
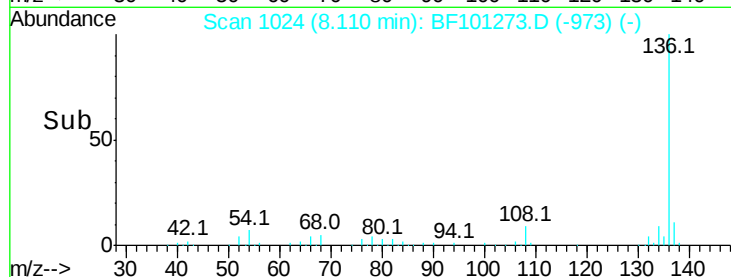
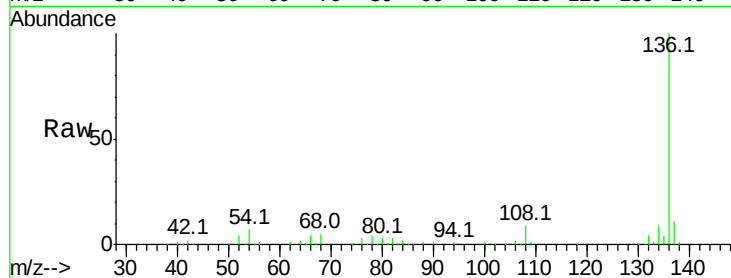




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

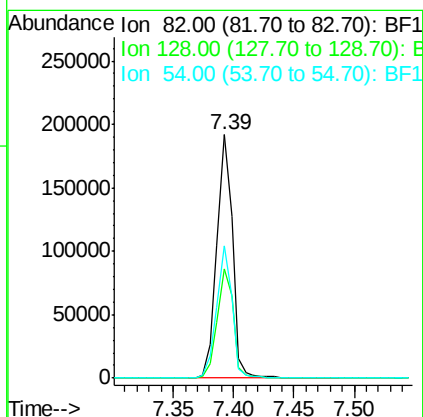
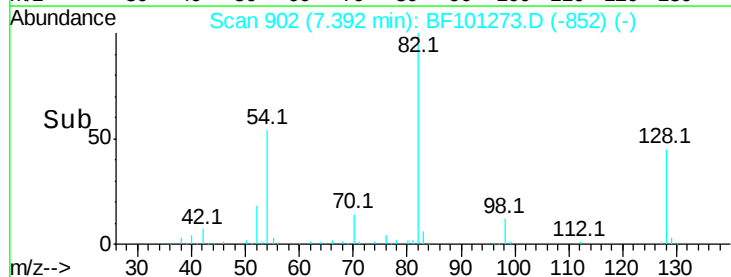
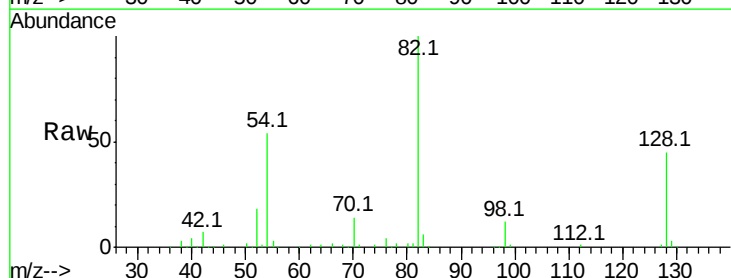
Instrument :
BNA_F
ClientSampleId :

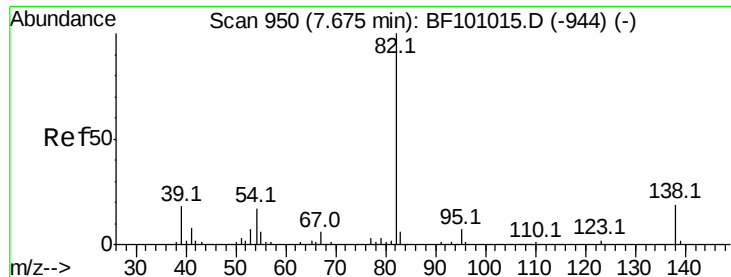
Tot Ion:	136	Resp:	162169
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.5	6.6	9.8
68	4.7	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 62.702 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

Tgt Ion:	82	Resp:	170457
Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	54.2	41.4	62.2





#25

Isophorone

Concen: 36.708 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF101273.D

Acq: 9 Dec 2017 9:45

Instrument :

BNA_F

ClientSampleId :

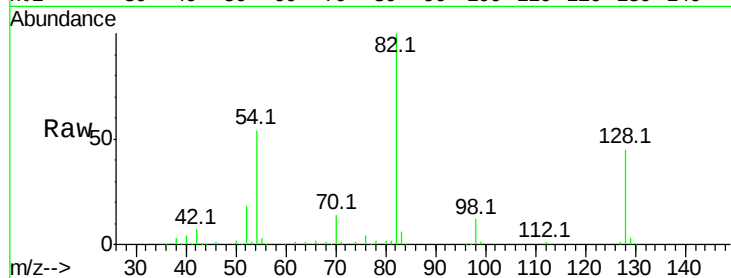
Tot Ion: 82 Resp: 170454

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

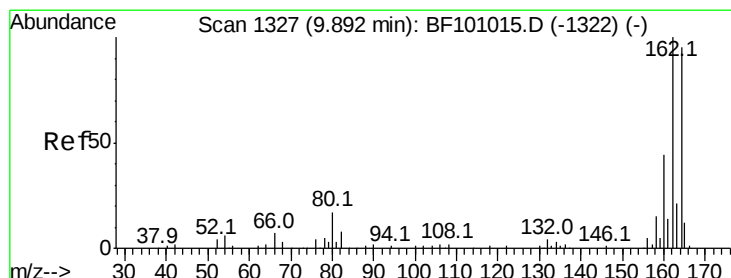
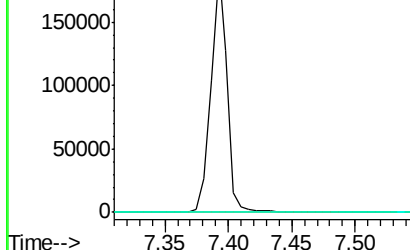
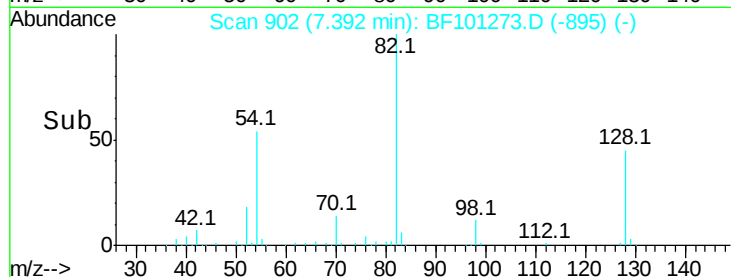
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF101273.D

Acq: 9 Dec 2017 9:45

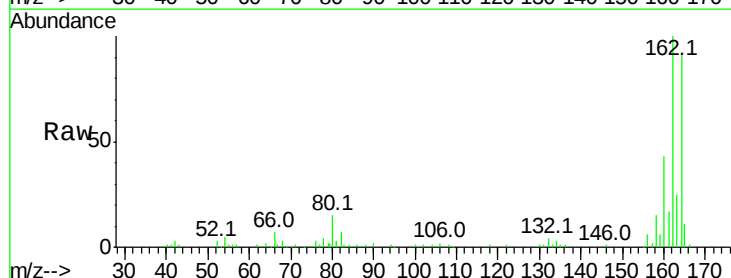
Tgt Ion:164 Resp: 65800

Ion Ratio Lower Upper

164 100

162 109.4 86.1 129.1

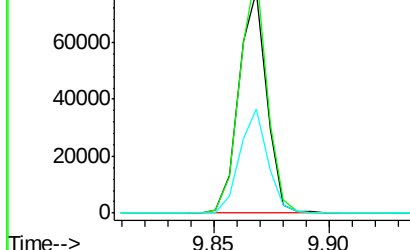
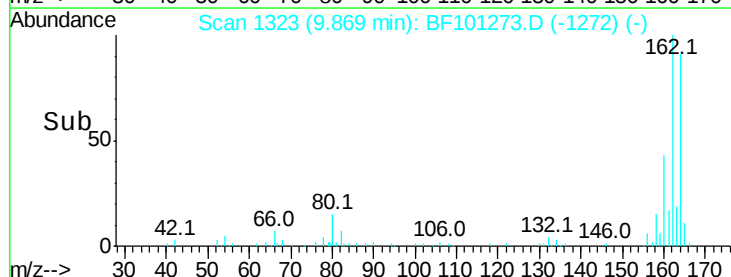
160 46.6 38.3 57.5

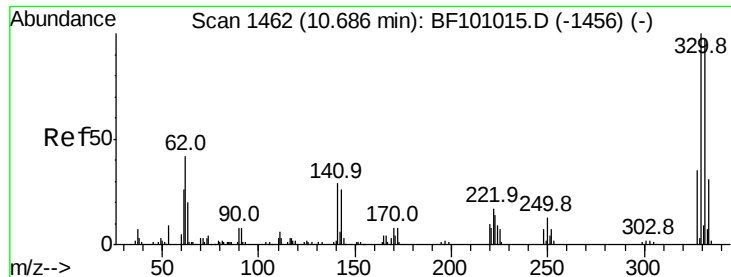


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 77.369 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.00 min

Lab File: BF101273.D

Acq: 9 Dec 2017 9:45

Instrument :

BNA_F

ClientSampleId :

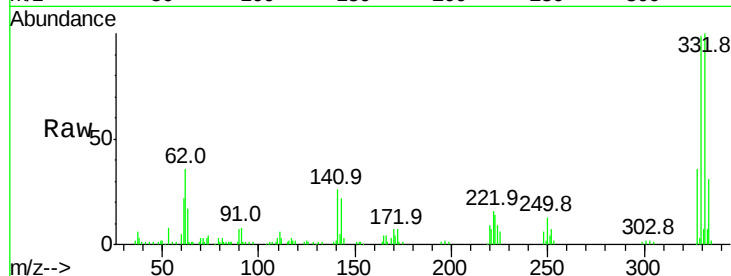
Tot Ion:330 Resp: 61156

Ion Ratio Lower Upper

330 100

332 98.5 77.0 115.6

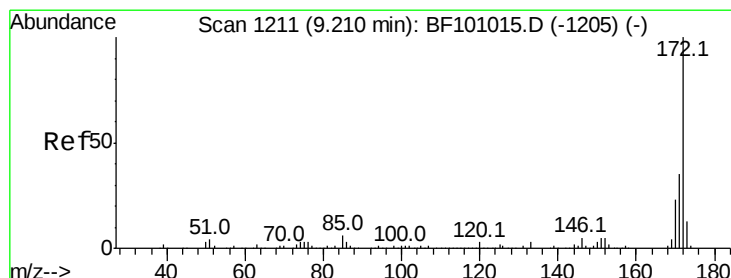
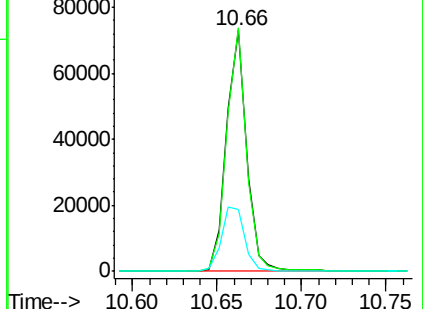
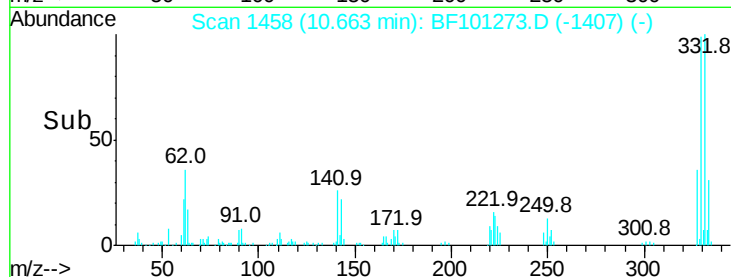
141 30.5 29.9 44.9



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: 73.241 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.00 min

Lab File: BF101273.D

Acq: 9 Dec 2017 9:45

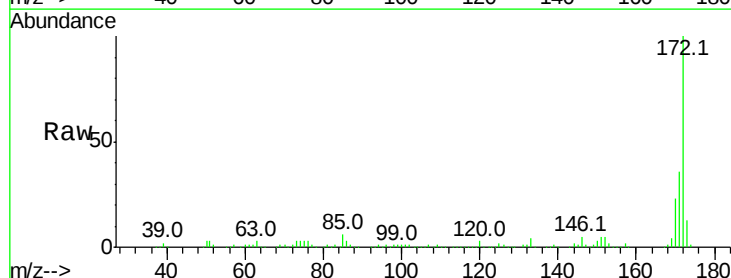
Tgt Ion:172 Resp: 352234

Ion Ratio Lower Upper

172 100

171 35.6 29.7 44.5

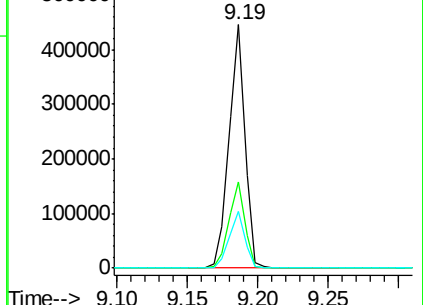
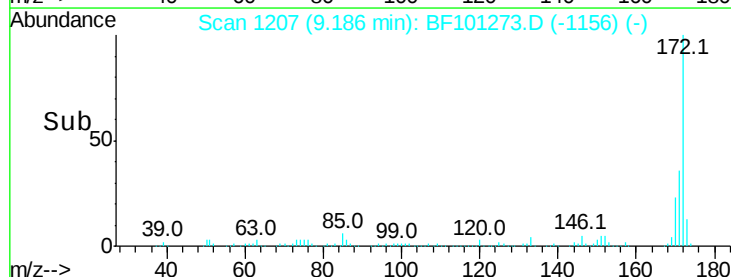
170 23.3 19.6 29.4

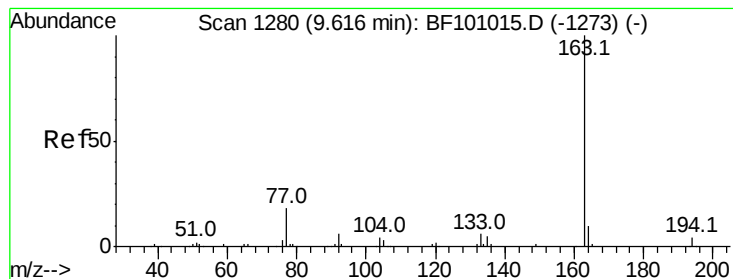


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.112 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF101273.D

Acq: 9 Dec 2017 9:45

Instrument :

BNA_F

ClientSampleId :

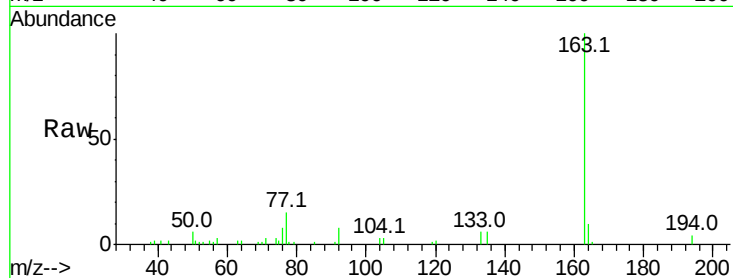
Tot Ion:163 Resp: 32435

Ion Ratio Lower Upper

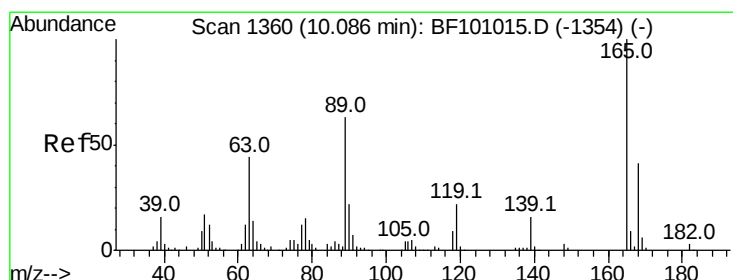
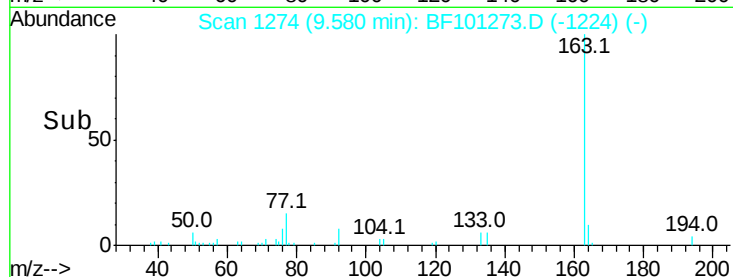
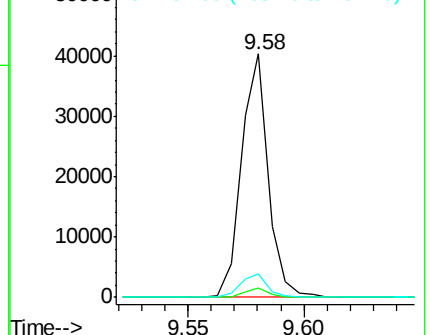
163 100

194 4.1 2.7 4.1

164 9.5 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



#56

2,4-Dinitrotoluene

Concen: 5.343 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.19 min

Lab File: BF101273.D

Acq: 9 Dec 2017 9:45

Tgt Ion:165 Resp: 8004

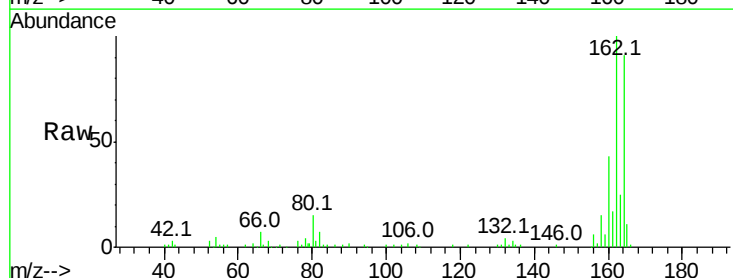
Ion Ratio Lower Upper

165 100

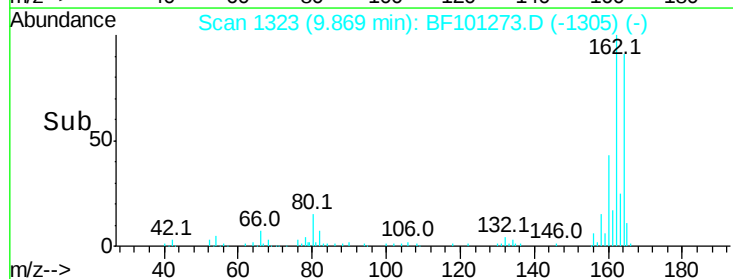
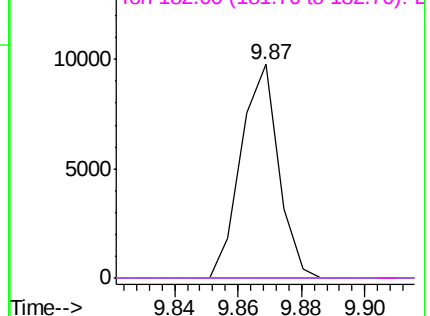
63 0.0 36.4 54.6#

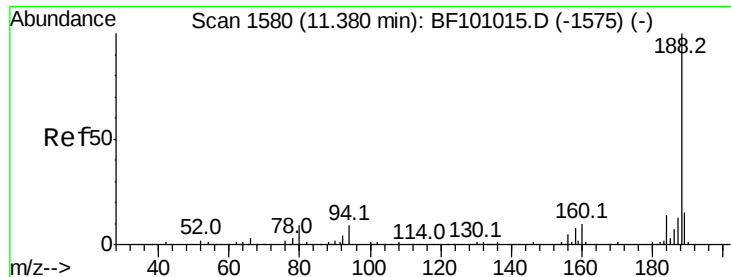
89 0.0 57.8 86.6#

182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

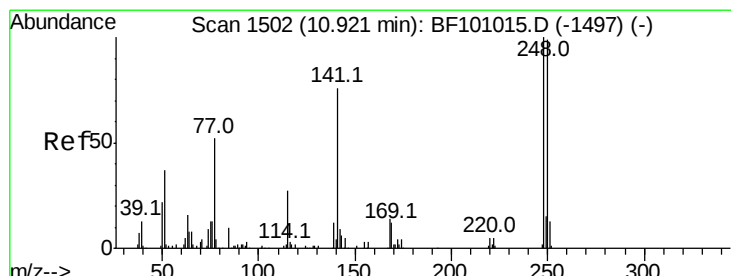
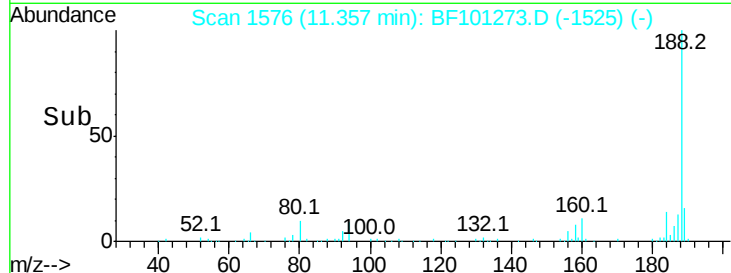
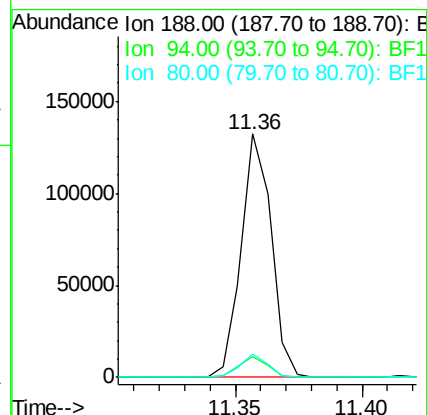
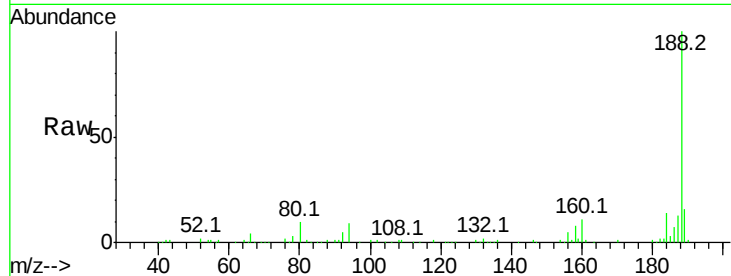




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

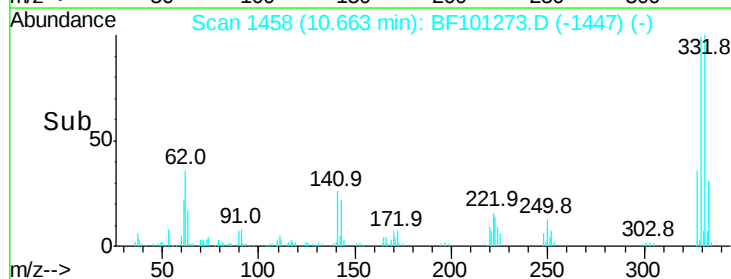
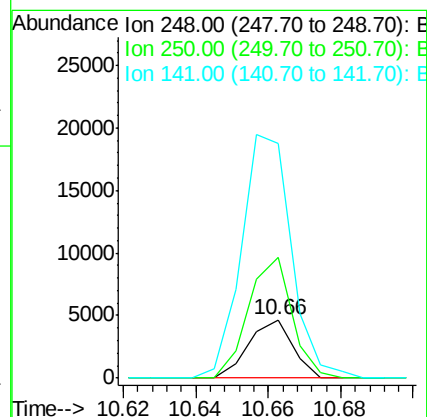
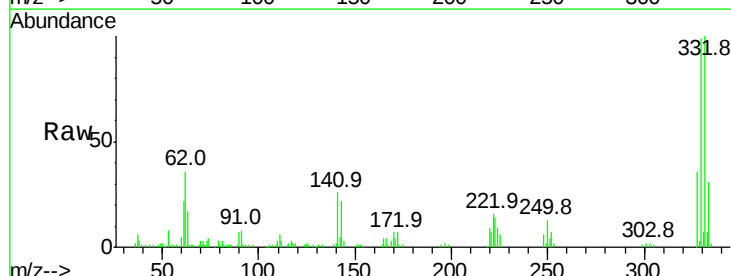
Instrument :
BNA_F
ClientSampleId :

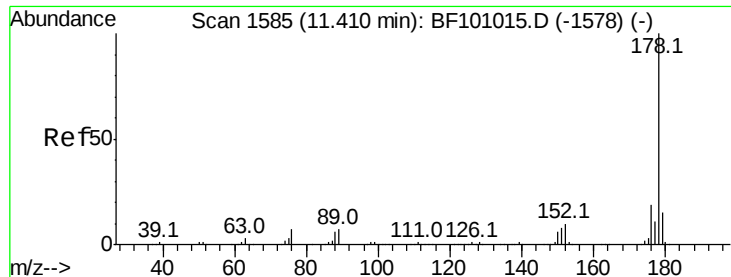
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.7	9.2	13.8



#66
4-Bromophenyl-phenylether
Concen: 3.217 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.24 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

Tgt Ion	Ratio	Lower	Upper
248	100		
250	207.9	76.9	115.3#
141	405.2	74.4	111.6#

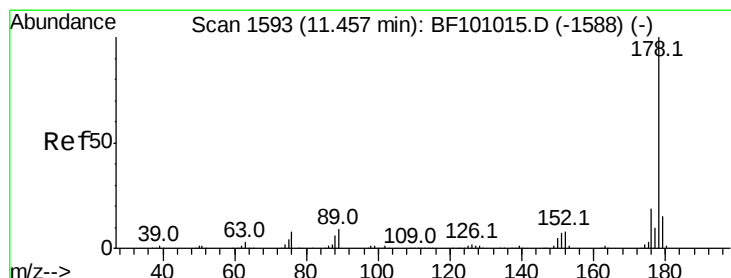
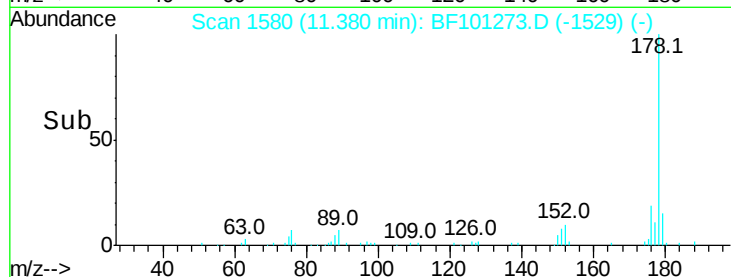
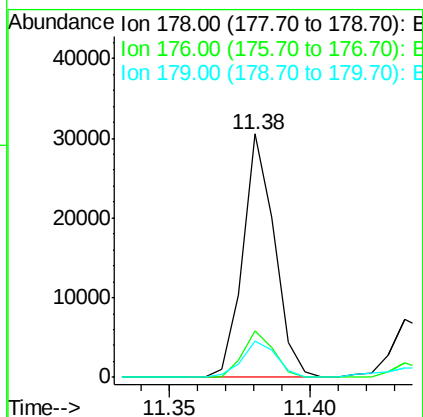
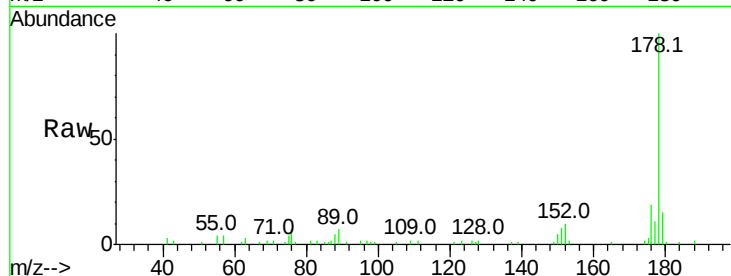




#70
Phenanthrene
Concen: 3.956 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

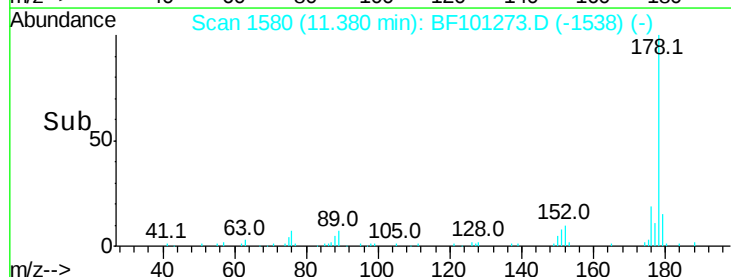
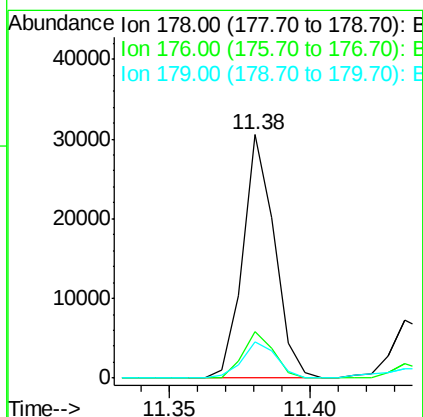
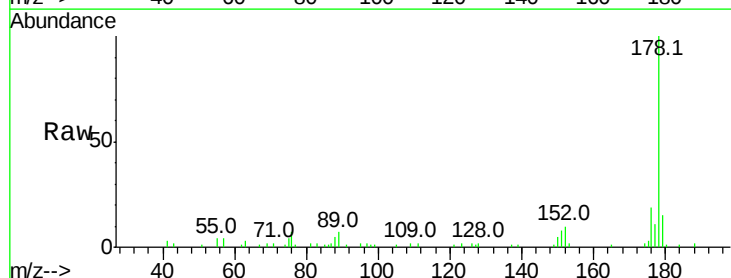
Instrument :
BNA_F
ClientSampleId :

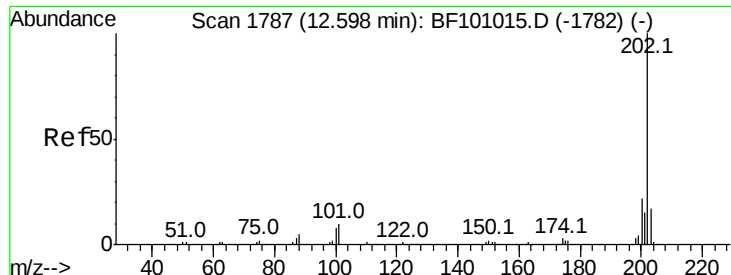
Tot Ion:178 Resp: 23666
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 14.6 13.0 19.6



#71
Anthracene
Concen: 3.909 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.05 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

Tgt Ion:178 Resp: 23666
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 14.6 12.6 19.0

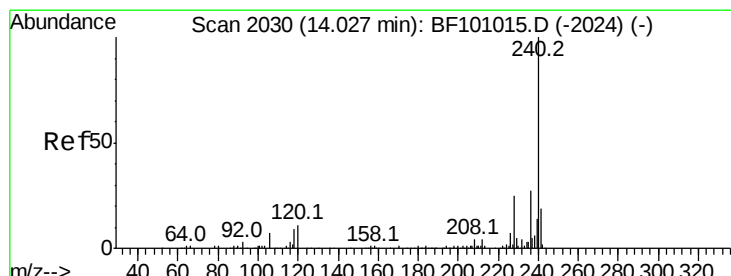
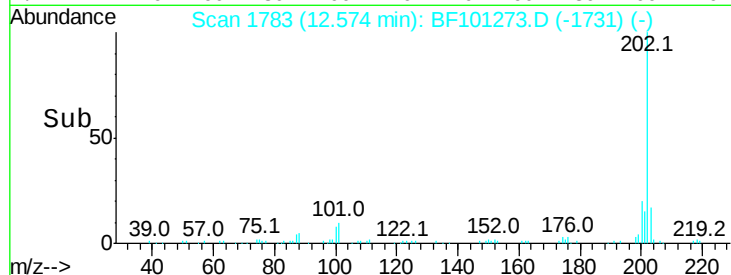
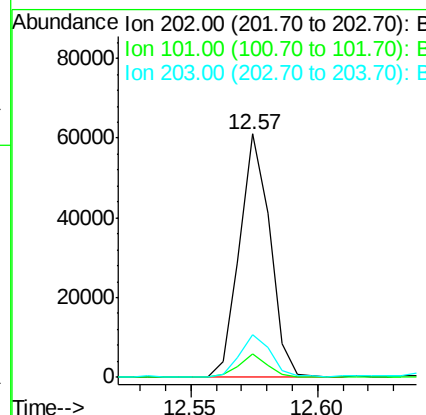
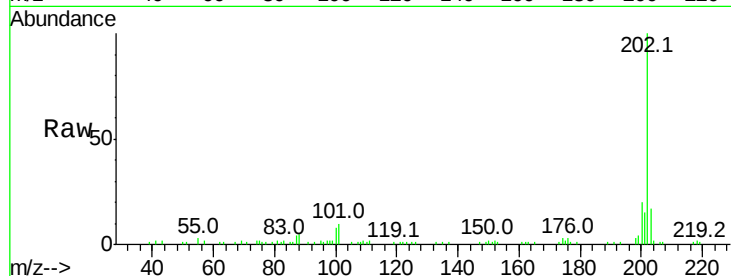




#74
Fluoranthene
Concen: 7.695 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

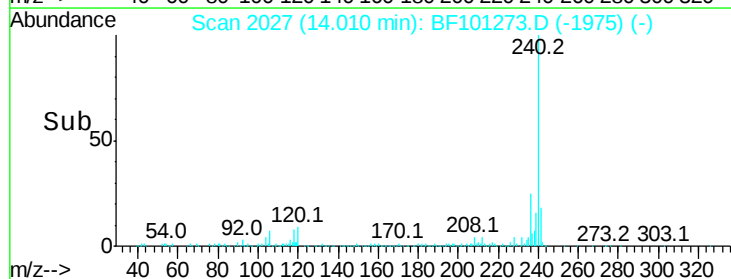
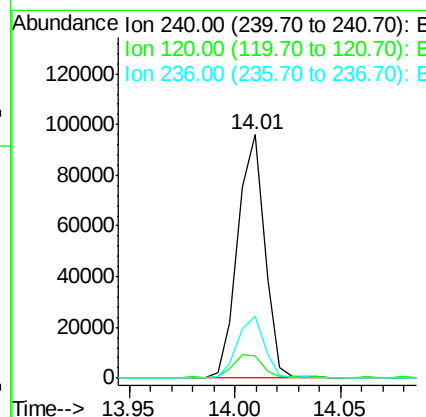
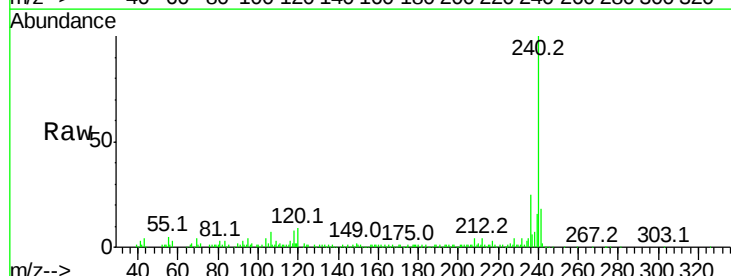
Instrument :
BNA_F
ClientSampleId :

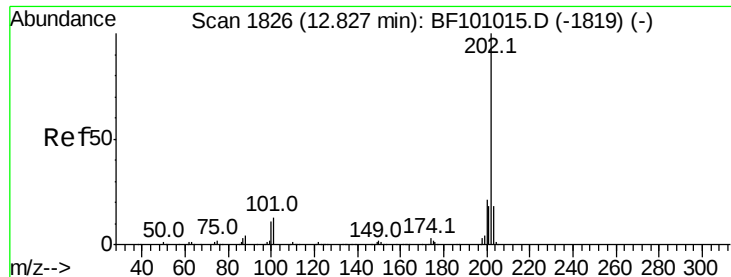
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	34.1
203	17.4	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.0	9.5	14.3#
236	25.2	20.7	31.1





#77

Pvrene

Concen: 8.863 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BF101273.D

Acq: 9 Dec 2017 9:45

Instrument :

BNA_F

ClientSampleId :

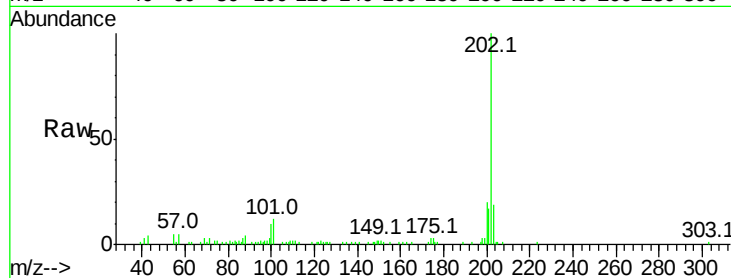
Tot Ion:202 Resp: 51922

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

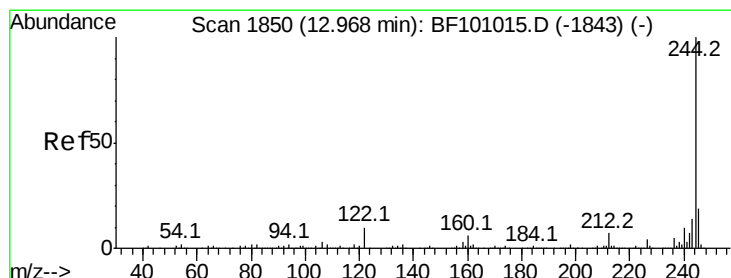
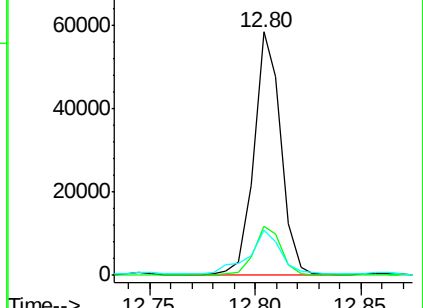
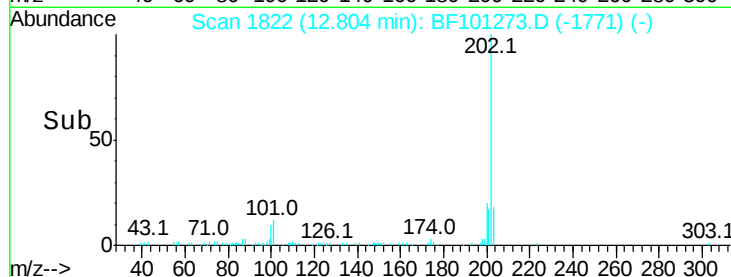
203 18.8 14.3 21.5



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: 73.041 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF101273.D

Acq: 9 Dec 2017 9:45

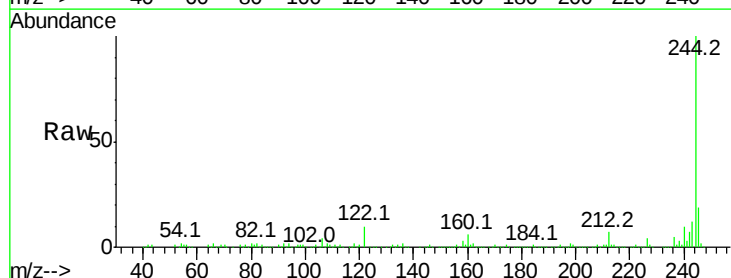
Tgt Ion:244 Resp: 283502

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

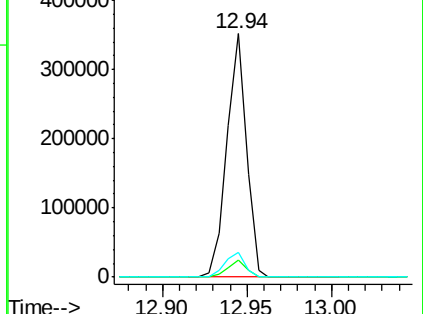
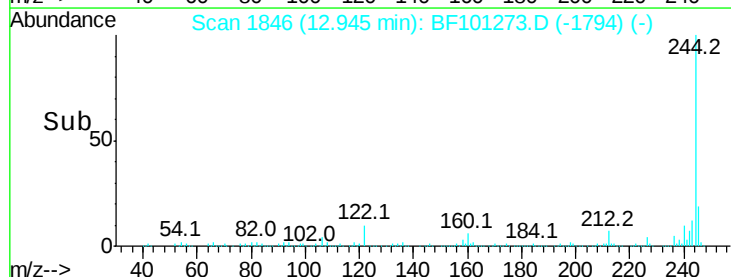
122 10.1 11.0 16.4#

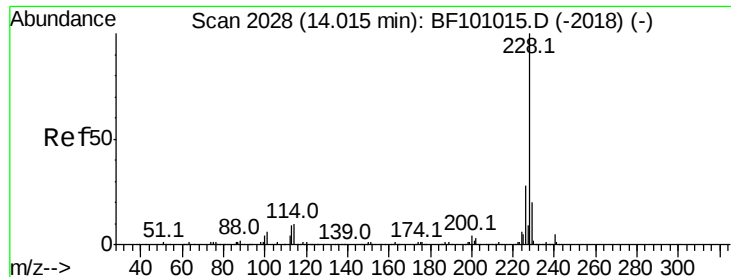


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

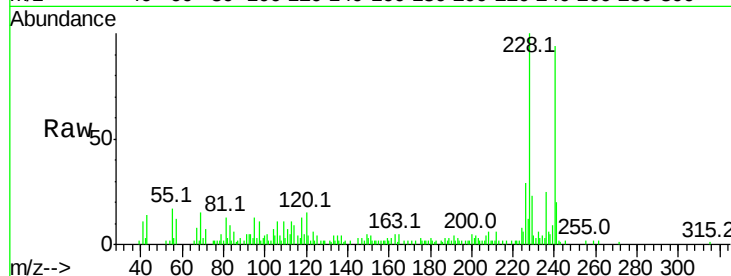




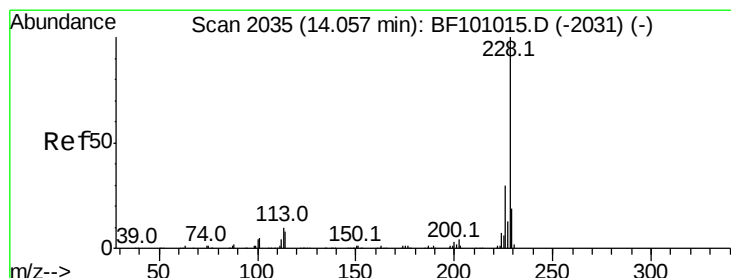
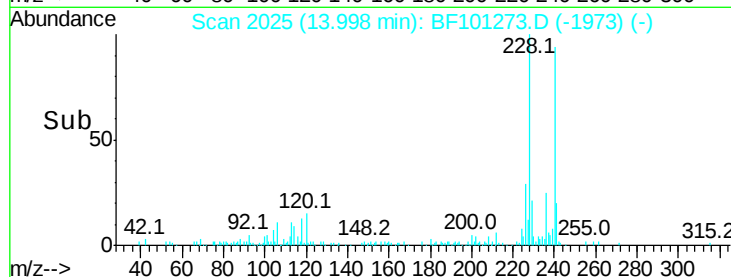
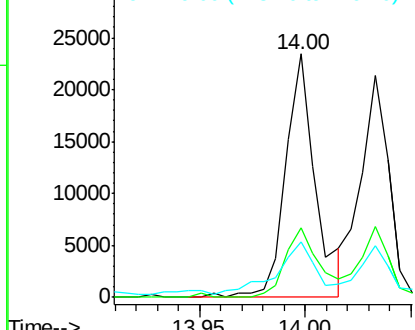
#80
Benzo(a)anthracene
Concen: 4.315 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 23127
Ion Ratio Lower Upper
228 100
226 28.8 22.6 33.8
229 22.5 15.8 23.6

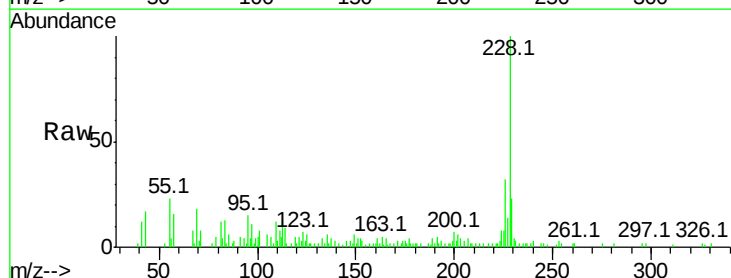


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

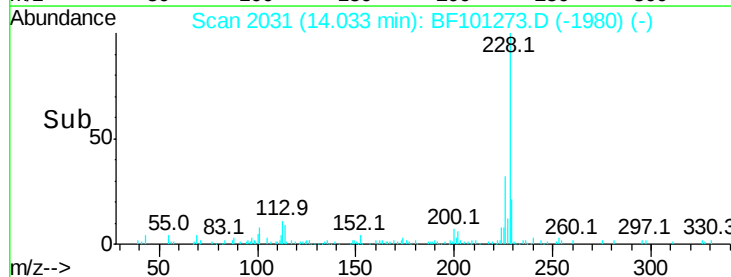
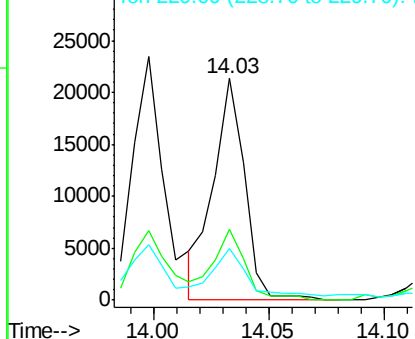


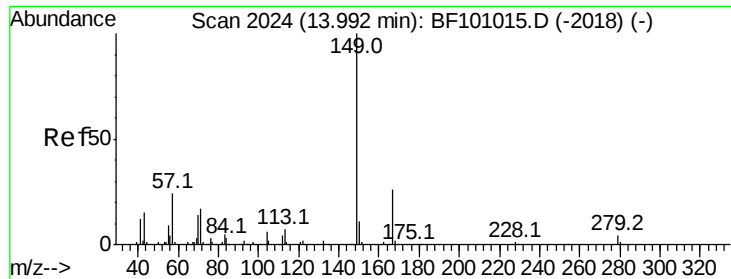
#82
Chrysene
Concen: 4.073 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

Tgt Ion:228 Resp: 20275
Ion Ratio Lower Upper
228 100
226 32.1 25.0 37.6
229 23.1 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

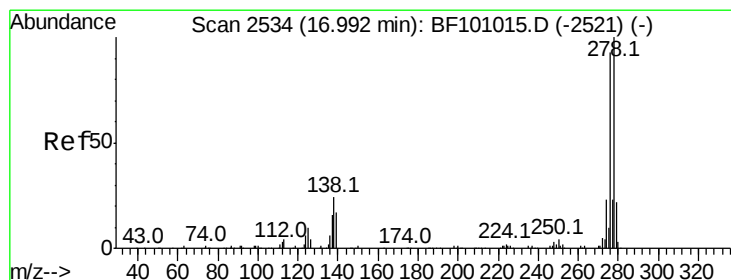
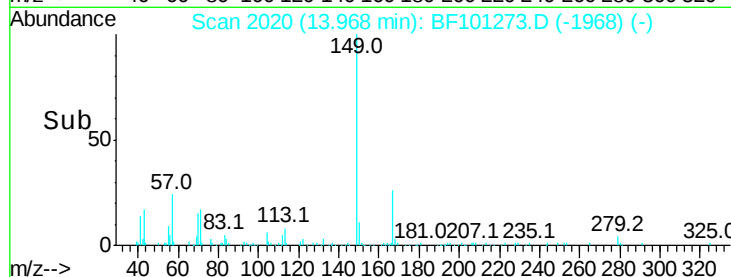
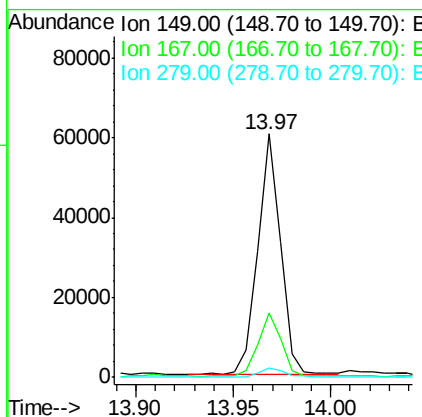
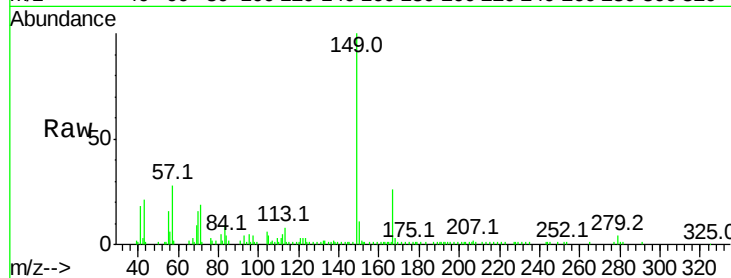




#83
Bis(2-ethylhexyl)phthalate
Concen: 13.311 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

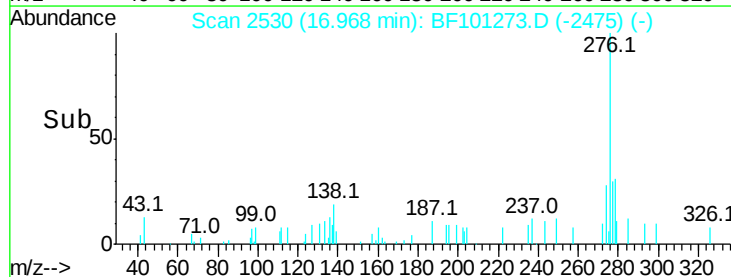
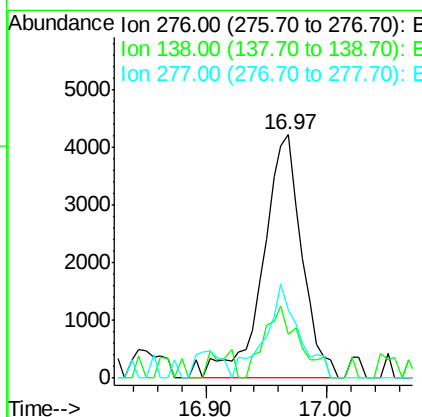
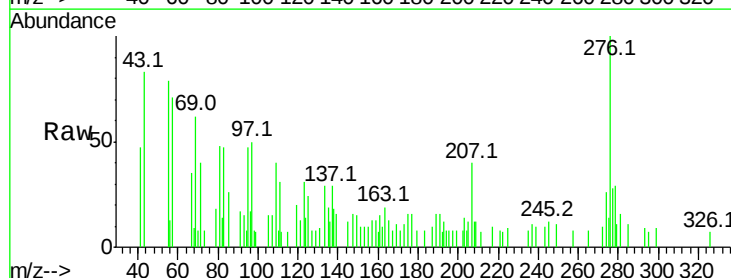
Instrument :
BNA_F
ClientSampleId :

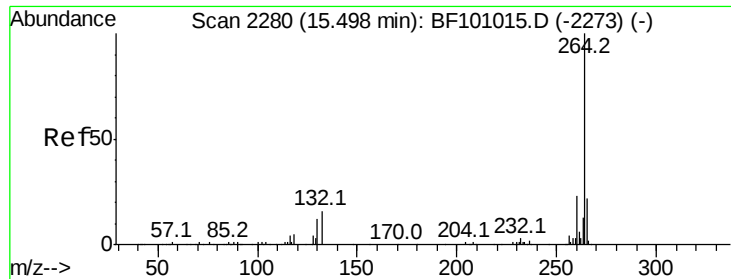
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.3	31.9
279	3.7	3.0	4.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.139 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.02 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.8	25.0	37.6
277	33.5	20.1	30.1#

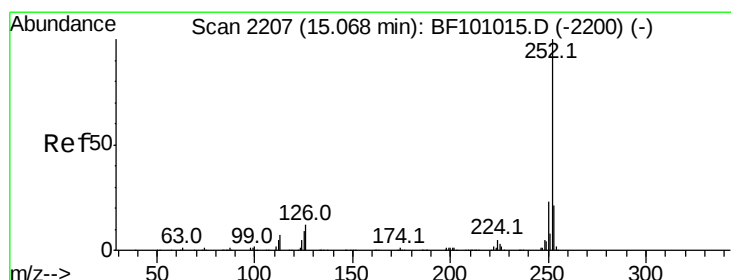
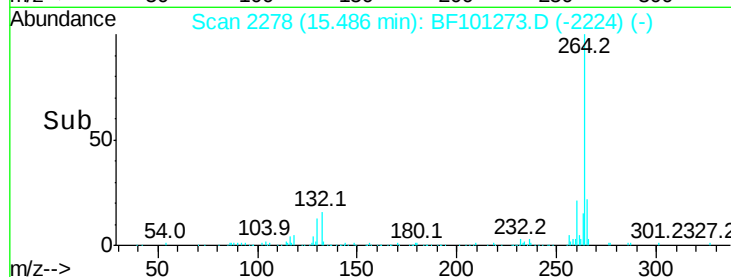
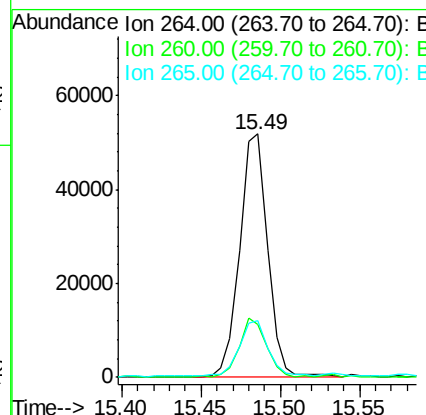
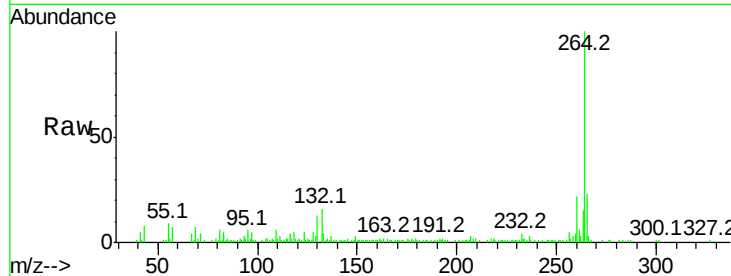




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

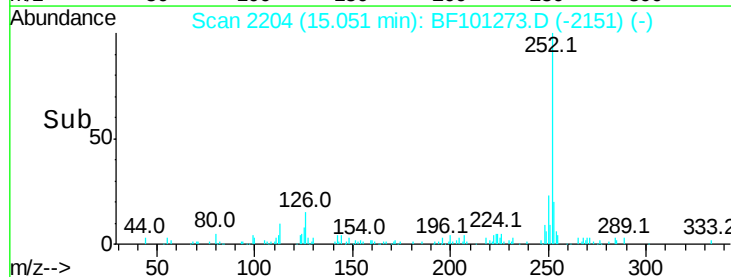
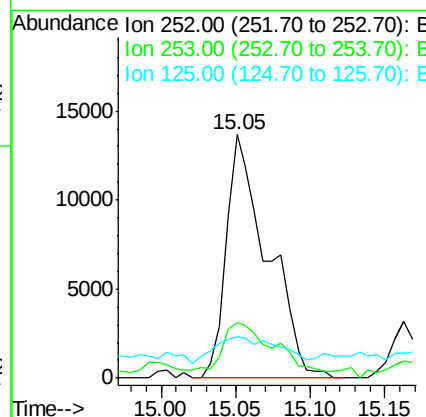
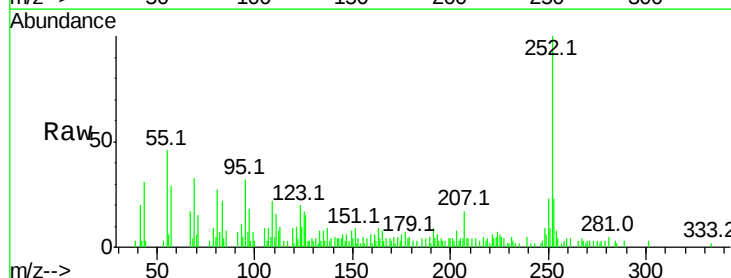
Instrument :
BNA_F
ClientSampleId :

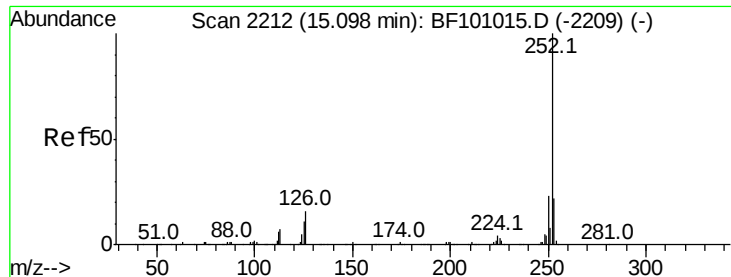
Tot Ion:264 Resp: 63424
Ion Ratio Lower Upper
264 100
260 21.9 19.2 28.8
265 23.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.937 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

Tgt Ion:252 Resp: 26354
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 16.7 9.0 13.6#

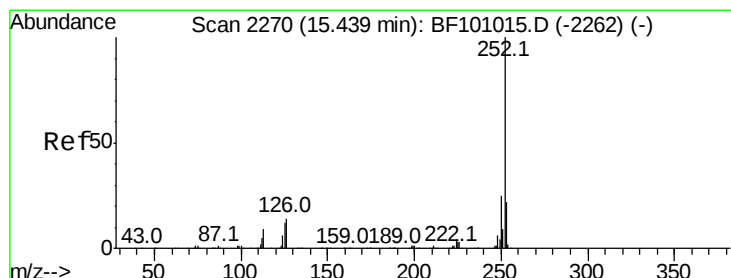
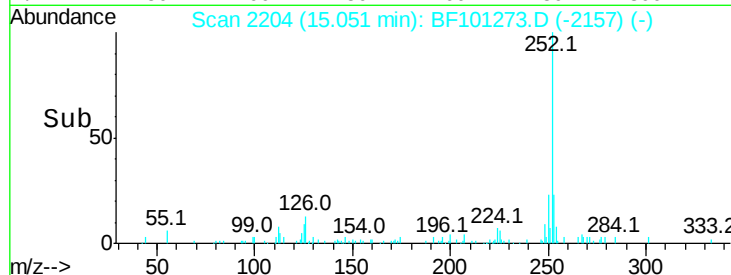
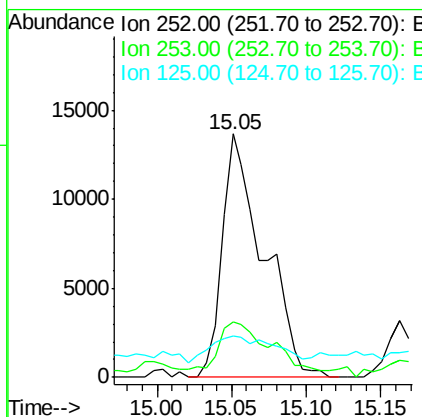
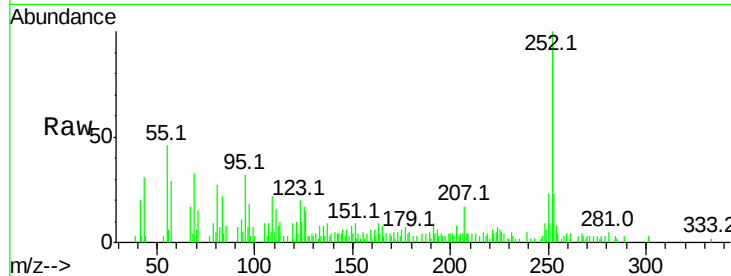




#88
Benzo(k)fluoranthene
Concen: 7.041 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

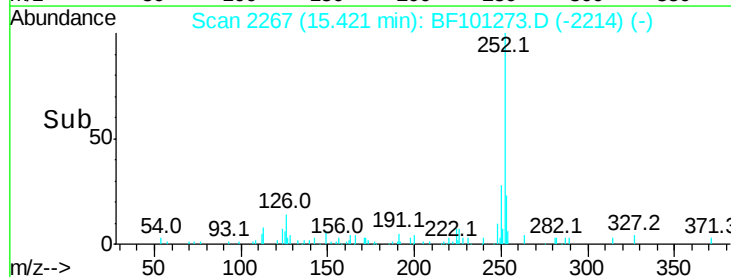
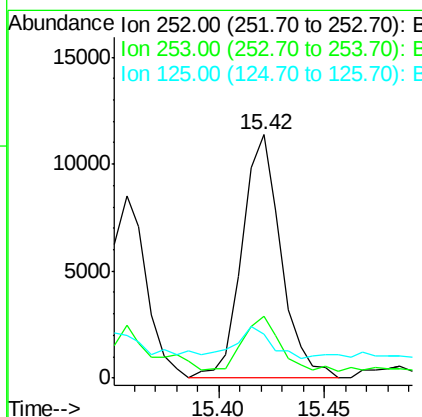
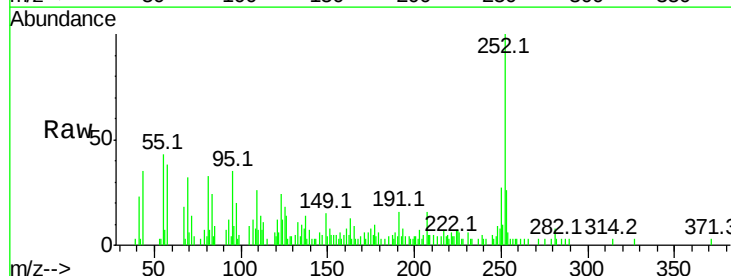
Instrument :
BNA_F
ClientSampleId :

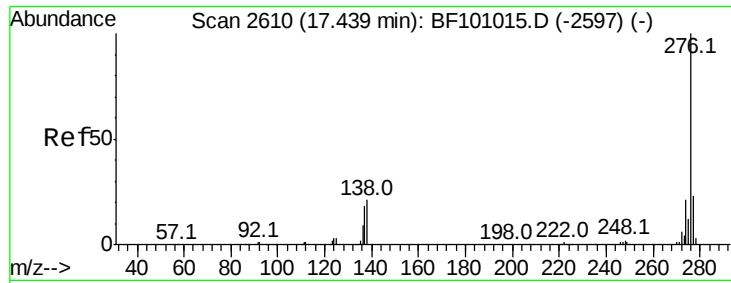
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	16.7	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.230 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101273.D
Acq: 9 Dec 2017 9:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.1	25.7
125	17.9	9.8	14.6

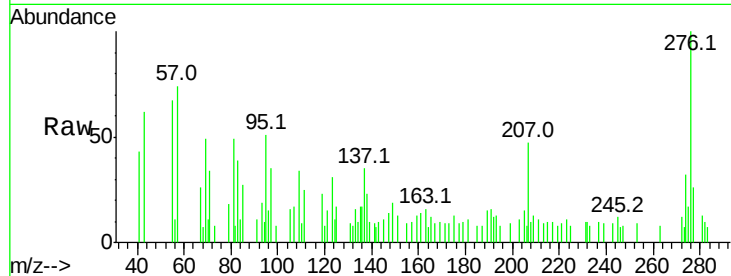




#91
 Benzo(a,h,i)perylene
 Concen: 3.388 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.02 min
 Lab File: BF101273.D
 Acq: 9 Dec 2017 9:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.5	17.9	26.9	
138	23.1	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

