

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101638.D
 Acq On : 22 Dec 2017 6:41
 Operator : SJ/JU
 Sample : I6966-05
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 08:06:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	137901	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	521480	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	199236	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	300356	20.00	ng	0.00
75) Chrysene-d12	13.98	240	247951	20.00	ng	0.00
86) Perylene-d12	15.46	264	202280	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	308473	33.32	ng	0.00
7) Phenol-d6	6.44	99	597459	51.86	ng	0.00
23) Nitrobenzene-d5	7.36	82	356416	38.05	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	155809	81.16	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	769443	59.91	ng	0.00
78) Terphenyl-d14	12.91	244	655870	63.77	ng	0.00

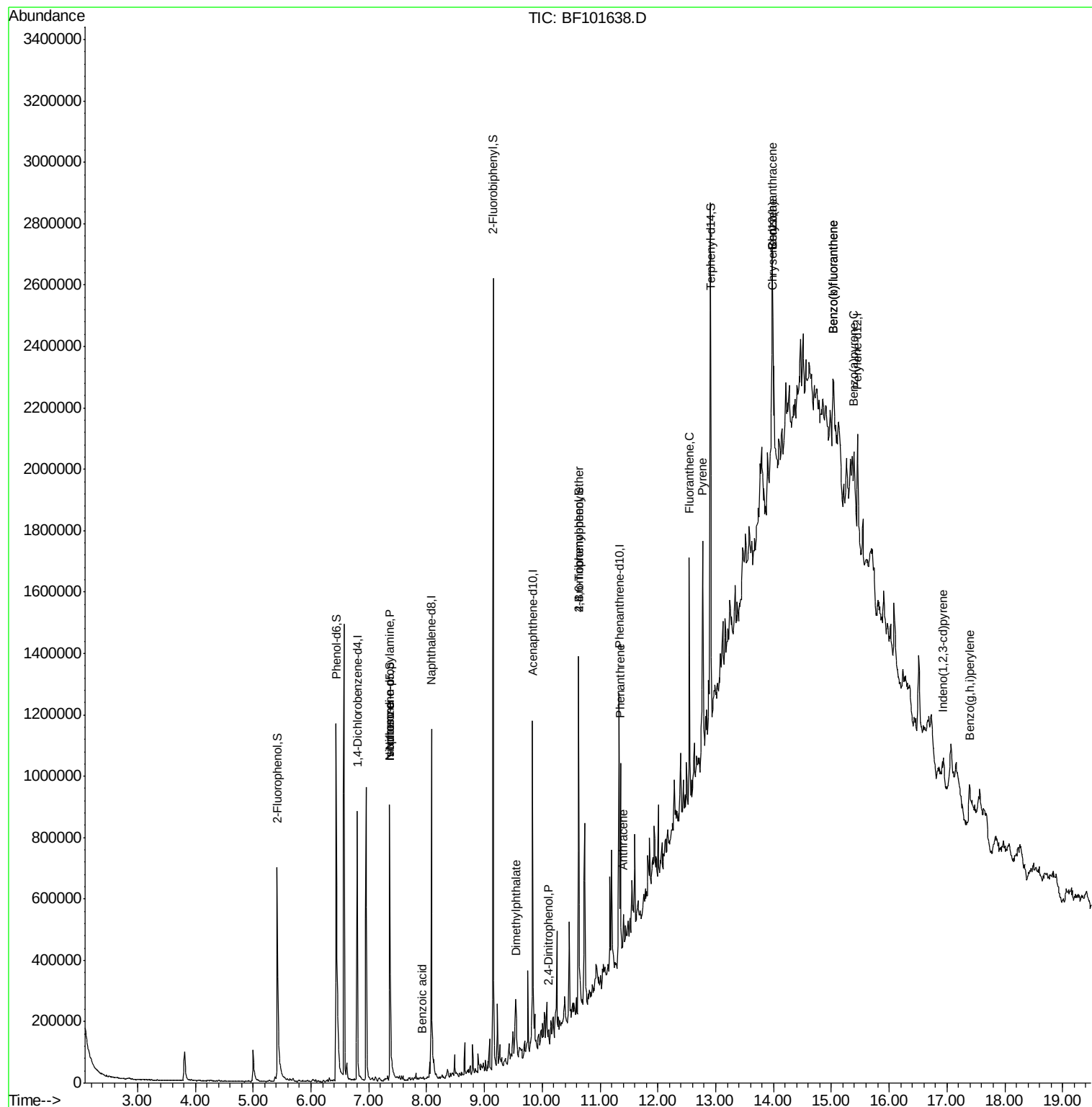
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	49038	6.481	ng	# 85
25) Isophorone	7.36	82	356416	18.965	ng	# 64
32) Benzoic acid	7.92	122	2247	8.328	ng	# 41
49) Dimethylphthalate	9.55	163	41037	2.561	ng	98
53) 2,4-Dinitrophenol	10.12	184	300	10.551	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	9644	2.858	ng	# 1
70) Phenanthrene	11.35	178	233095	13.955	ng	99
71) Anthracene	11.40	178	54372	3.187	ng	96
74) Fluoranthene	12.54	202	323581	18.456	ng	98
77) Pyrene	12.77	202	301667	16.211	ng	99
80) Benzo(a)anthracene	13.97	228	148052	9.043	ng	96
82) Chrysene	13.97	228	148052	9.577	ng	95
85) Indeno(1,2,3-cd)pyrene	16.94	276	55907	4.061	ng	92
87) Benzo(b)fluoranthene	15.03	252	203844	16.533	ng	# 81
88) Benzo(k)fluoranthene	15.03	252	203844	17.005	ng	# 84
89) Benzo(a)pyrene	15.39	252	98618	8.677	ng	# 69
91) Benzo(a,h,i)perylene	17.39	276	54018	5.590	ng	# 91

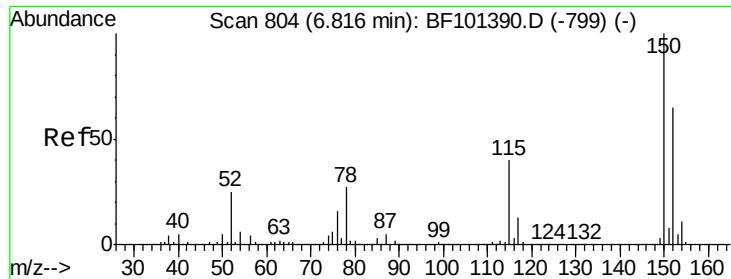
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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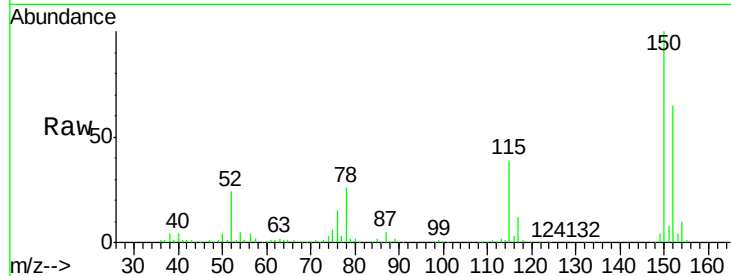


#1

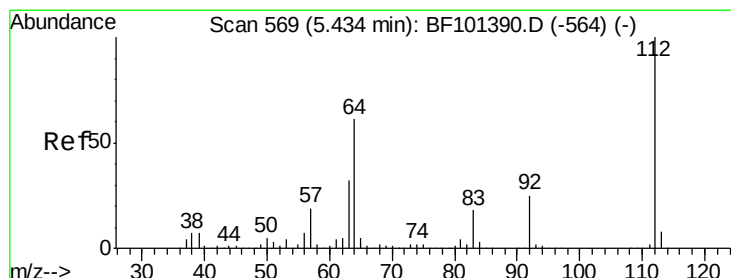
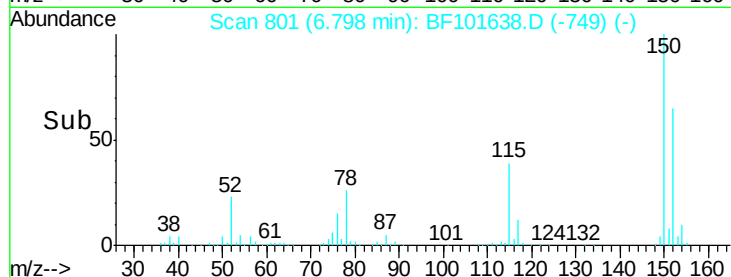
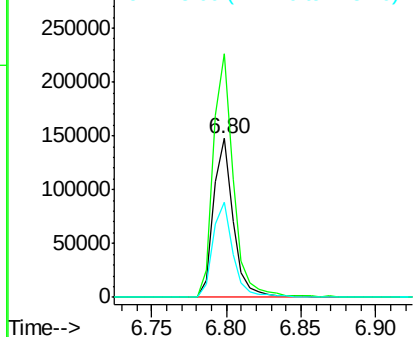
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137901
Ion Ratio Lower Upper
152 100
150 153.1 124.6 186.8
115 60.0 50.1 75.1



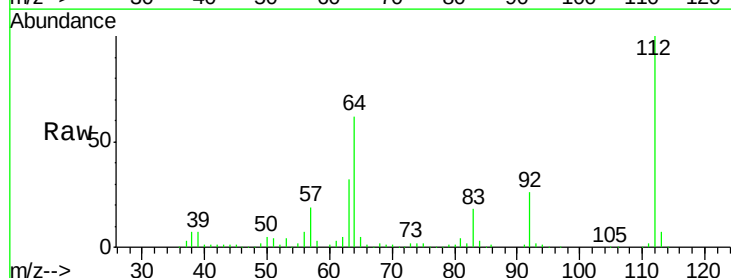
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



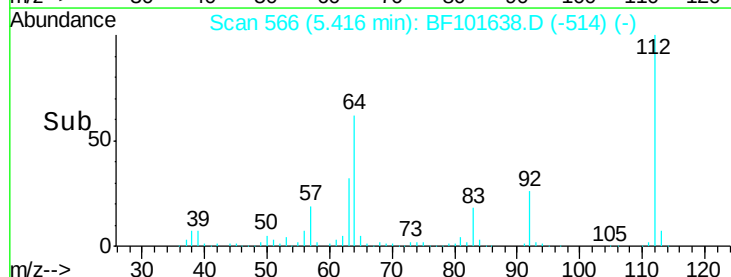
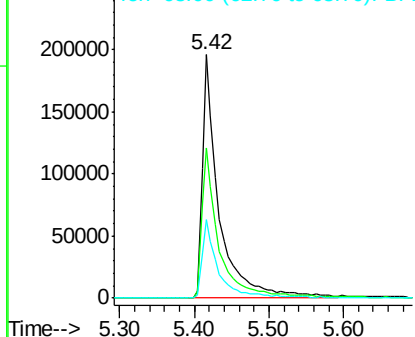
#5

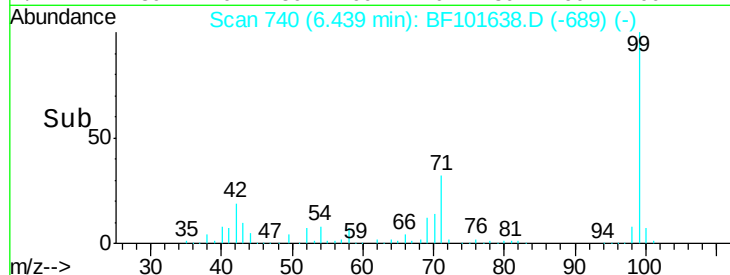
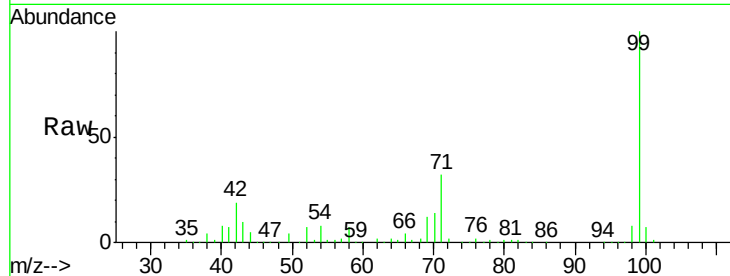
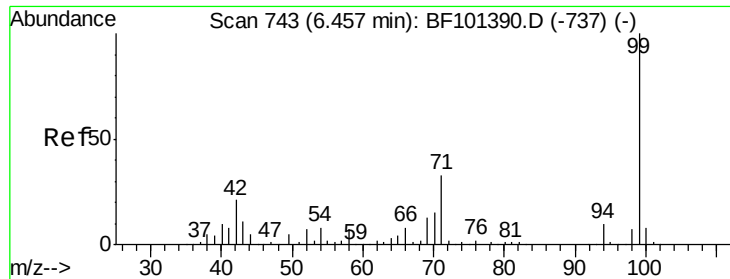
2-Fluorophenol
Concen: 33.321 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Tgt Ion:112 Resp: 308473
Ion Ratio Lower Upper
112 100
64 61.6 47.9 71.9
63 32.4 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: 51.856 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Instrument :

BNA_F

ClientSampled :

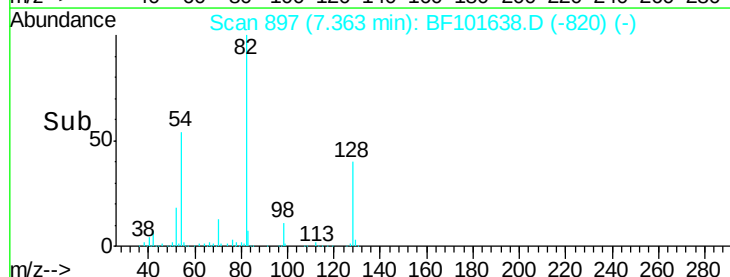
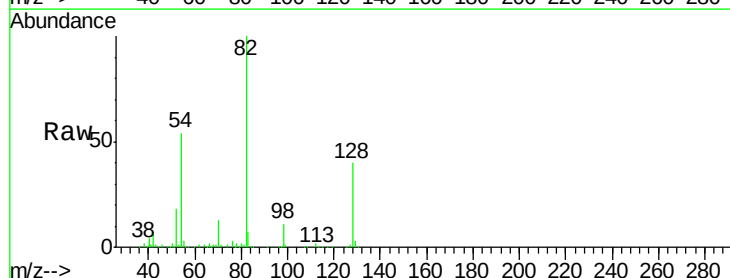
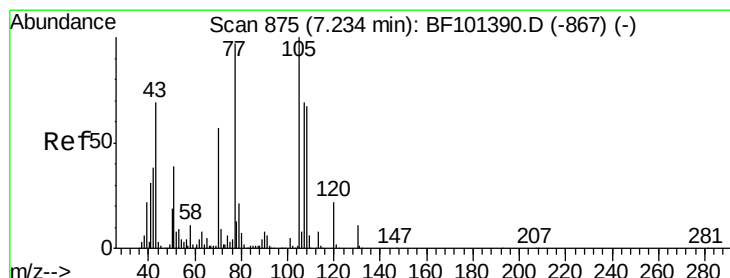
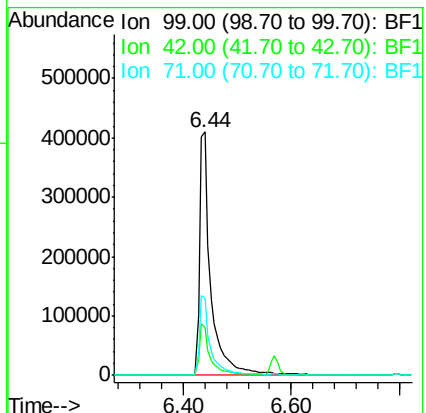
Tot Ion: 99 Resp: 597459

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 31.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 6.481 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Tgt Ion: 70 Resp: 49038

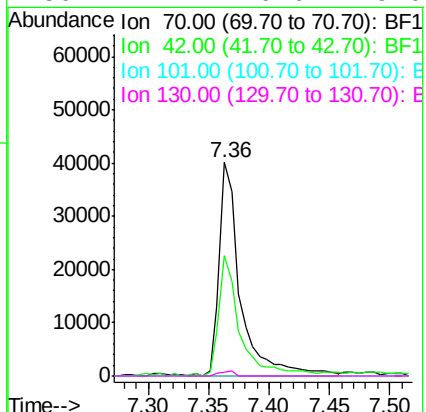
Ion Ratio Lower Upper

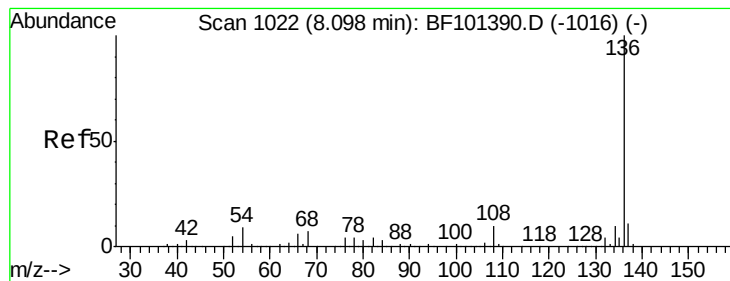
70 100

42 56.2 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: 8.08 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 521480

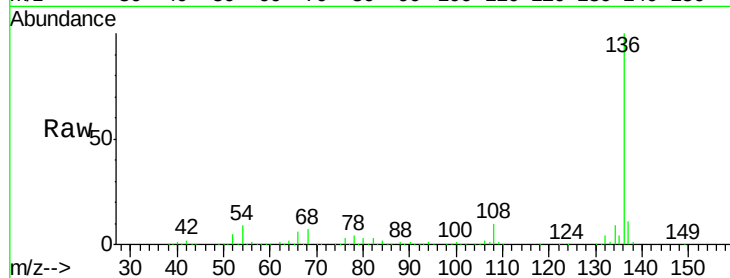
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.2 6.6 9.8

68 6.5 5.0 7.4

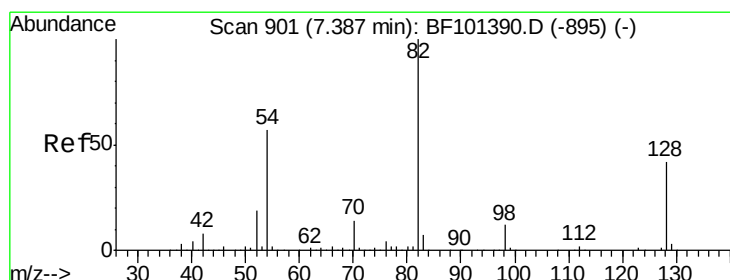
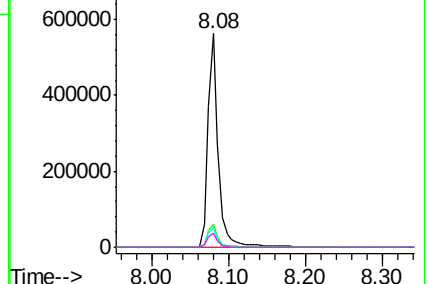
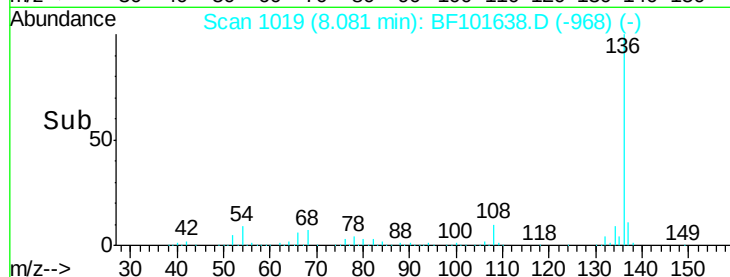


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 38.046 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

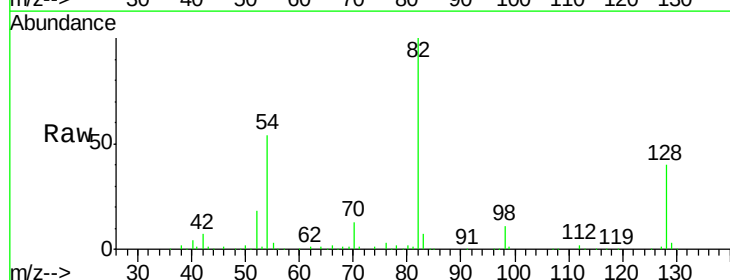
Tgt Ion: 82 Resp: 356416

Ion Ratio Lower Upper

82 100

128 40.2 36.1 54.1

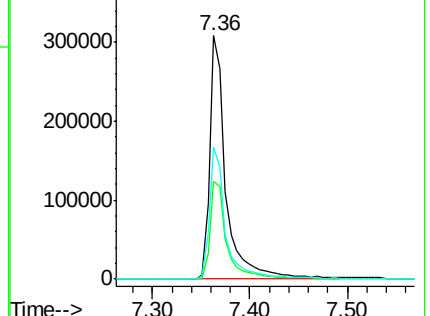
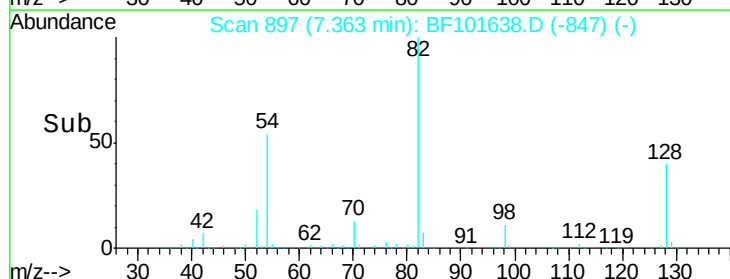
54 54.4 41.4 62.2

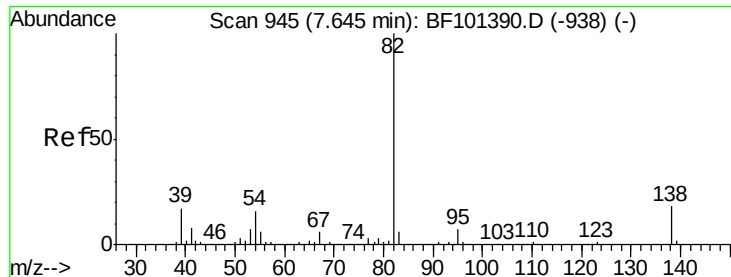


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.965 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Instrument :

BNA_F

ClientSampleId :

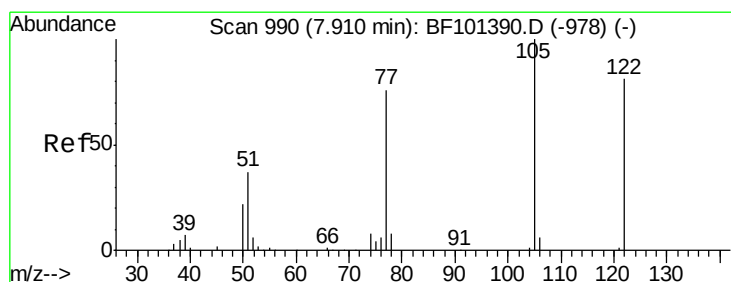
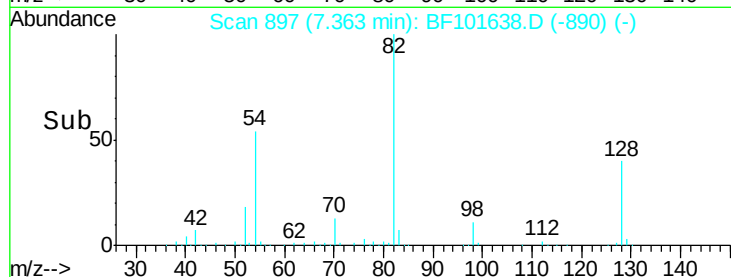
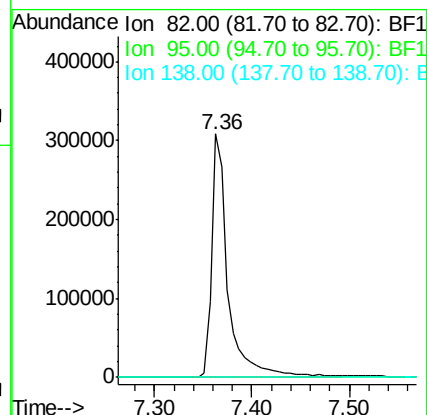
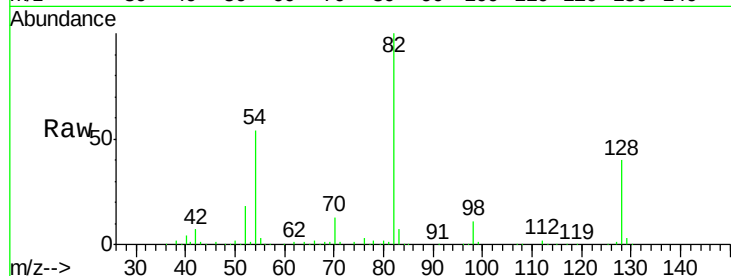
Tot Ion: 82 Resp: 356416

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 8.328 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.02 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

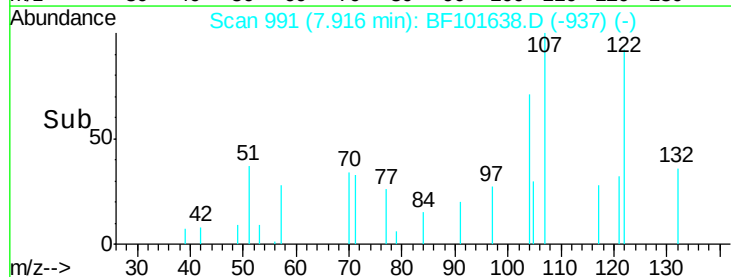
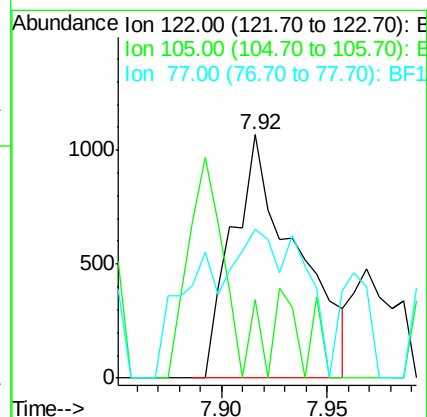
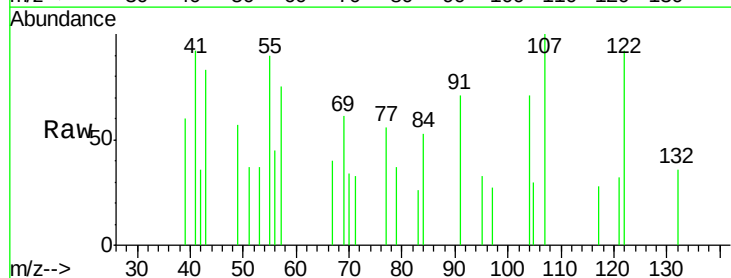
Tgt Ion: 122 Resp: 2247

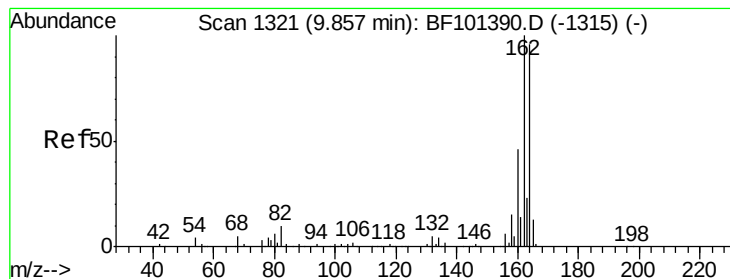
Ion Ratio Lower Upper

122 100

105 32.3 101.1 141.1#

77 61.3 70.7 110.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Instrument :

BNA_F

ClientSampleId :

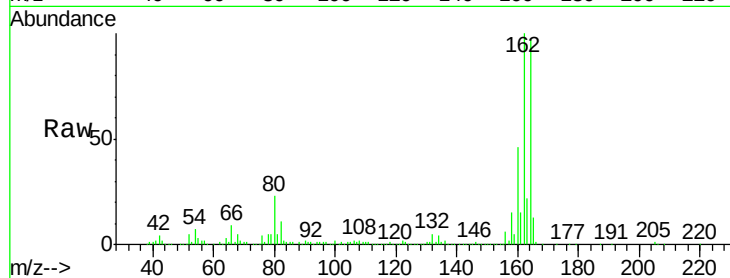
Tot Ion:164 Resp: 199236

Ion Ratio Lower Upper

164 100

162 102.7 86.1 129.1

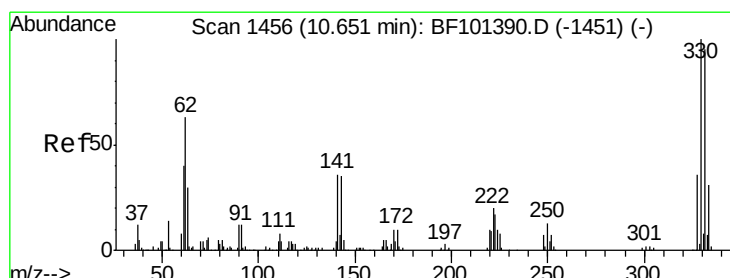
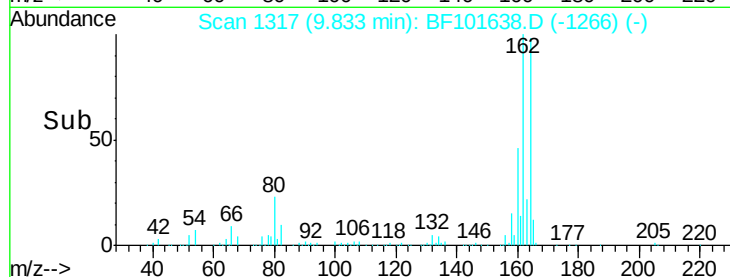
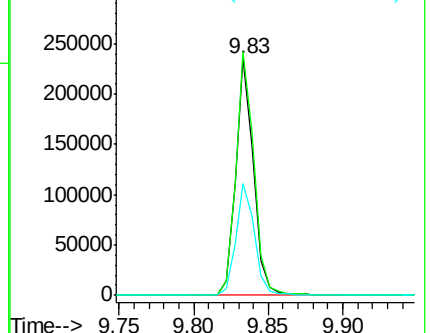
160 47.4 38.3 57.5



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: 81.159 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

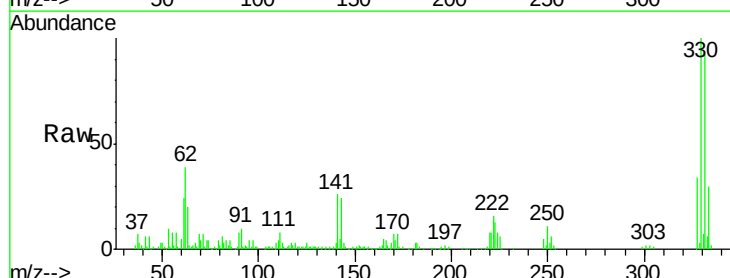
Tgt Ion:330 Resp: 155809

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

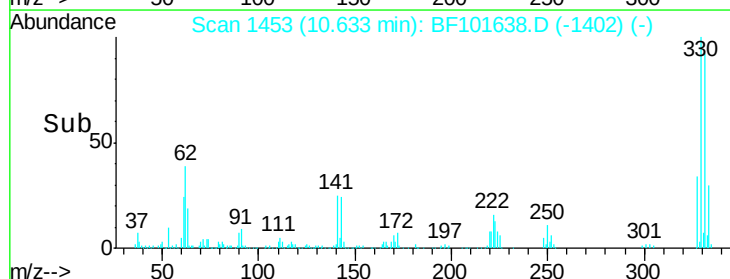
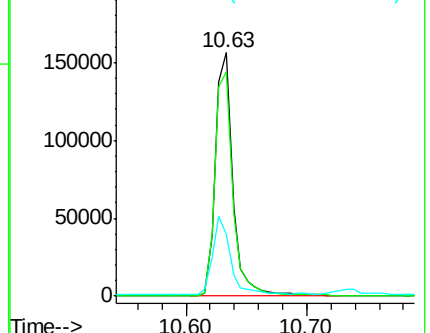
141 32.0 29.9 44.9

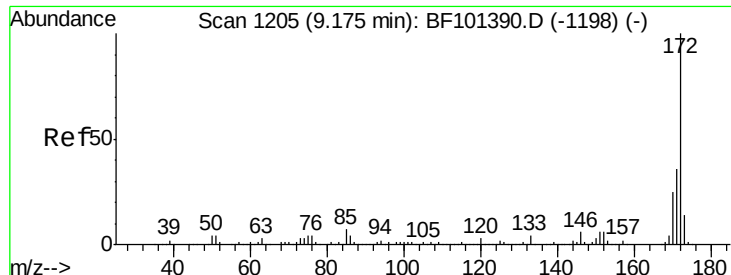


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

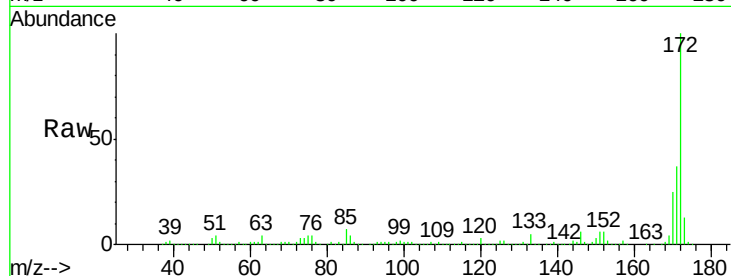




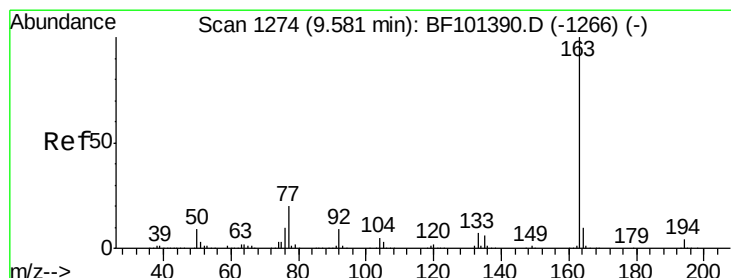
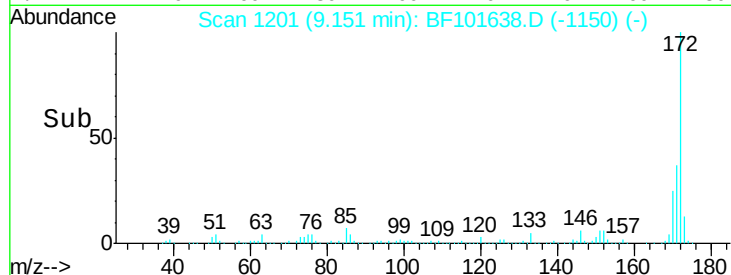
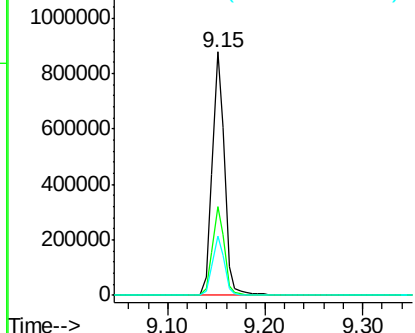
#44
2-Fluorobiphenyl
Concen: 59.908 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 769443
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.5 19.6 29.4

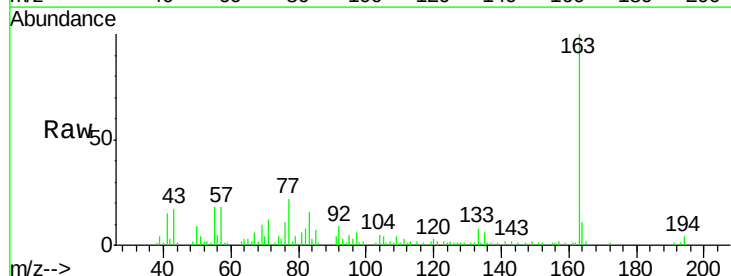


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

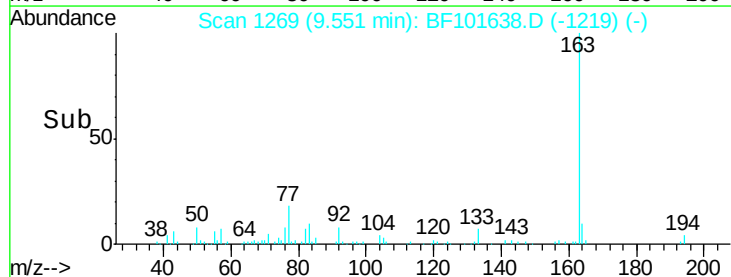
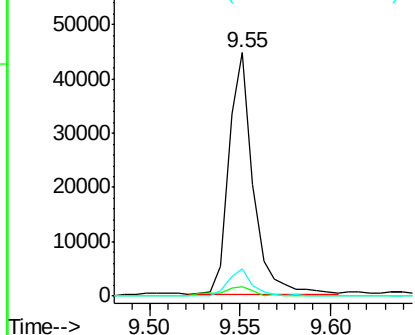


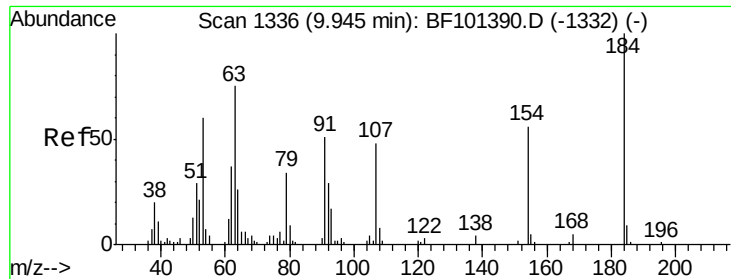
#49
Dimethylphthalate
Concen: 2.561 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Tgt Ion:163 Resp: 41037
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 11.0 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

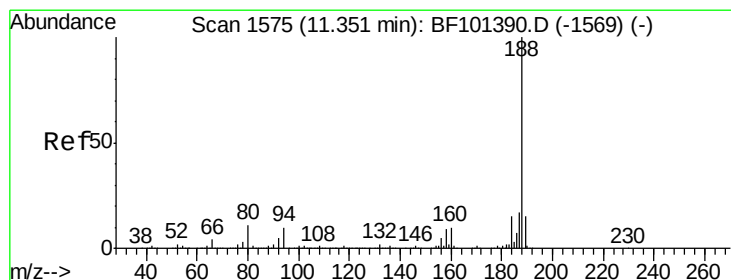
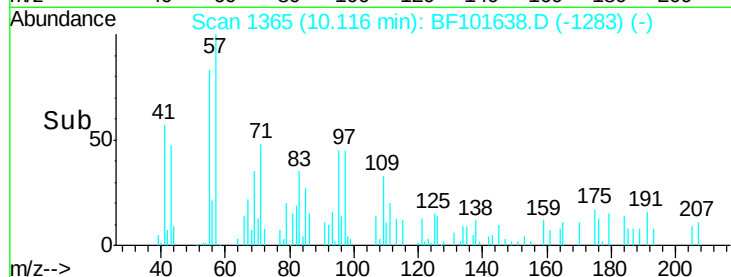
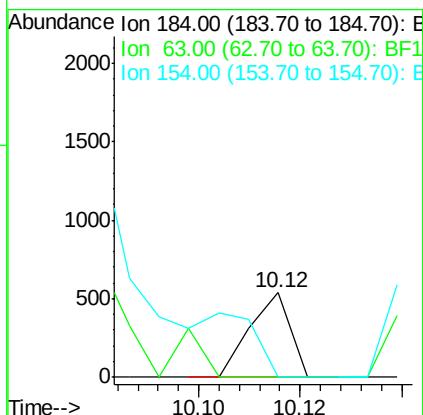
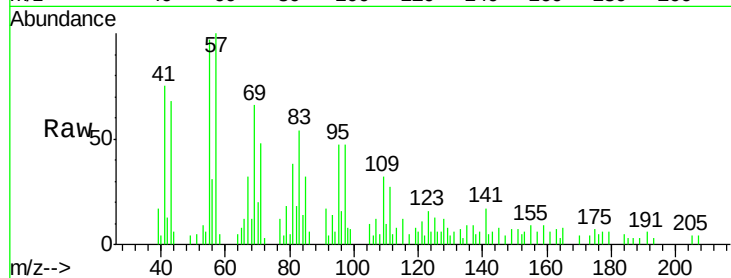




#53
 2,4-Dinitrophenol
 Concen: 10.551 ng
 RT: 10.12 min Scan# 1365
 Delta R.T. 0.18 min
 Lab File: BF101638.D
 Acq: 22 Dec 2017 6:41

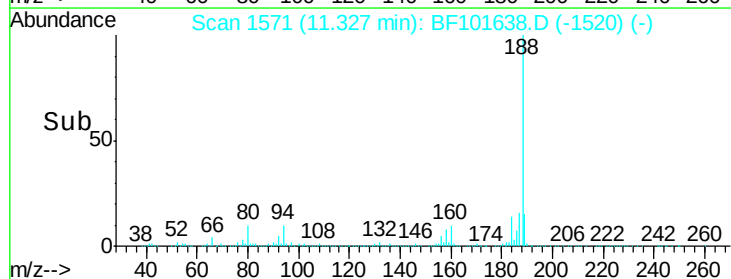
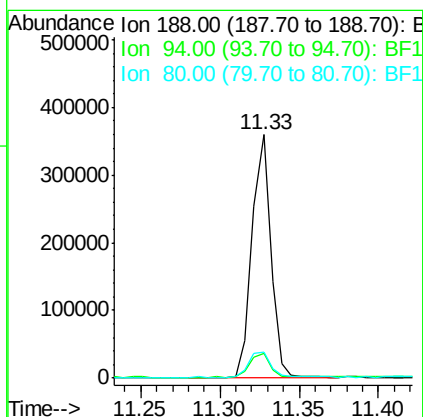
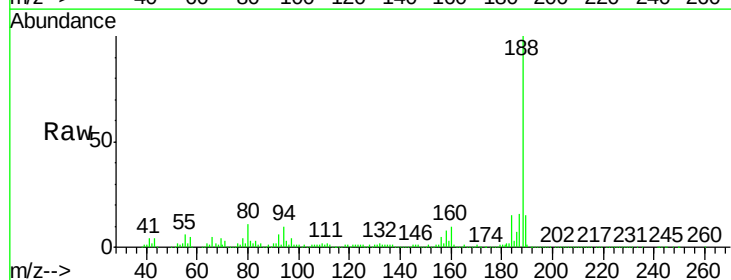
Instrument :
 BNA_F
 ClientSampleId :

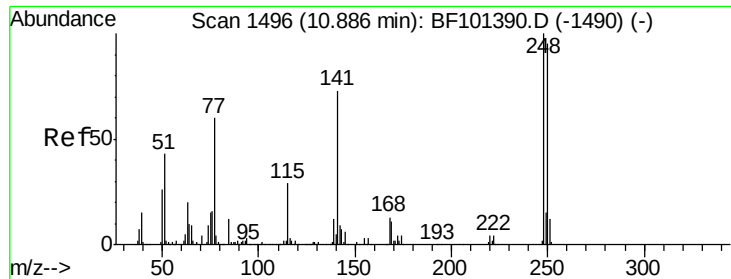
Tot Ion:184 Resp: 300
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 0.0 184.0 276.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF101638.D
 Acq: 22 Dec 2017 6:41

Tgt Ion:188 Resp: 300356
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.5 12.7
 80 10.8 9.2 13.8

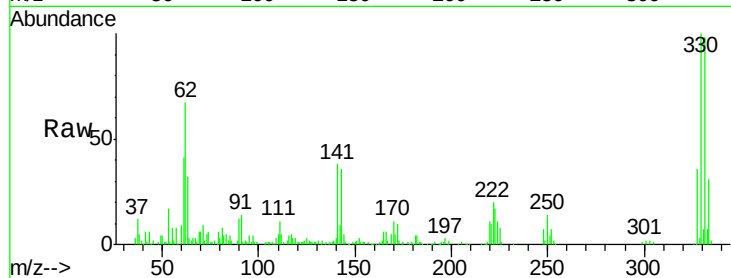




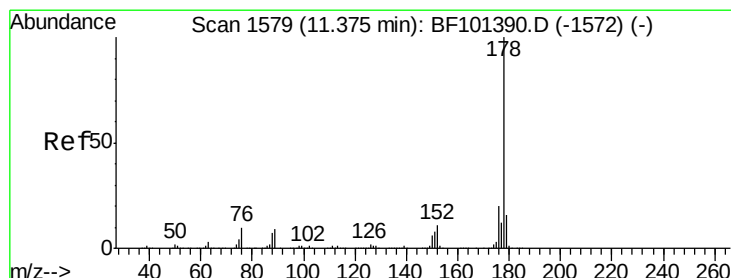
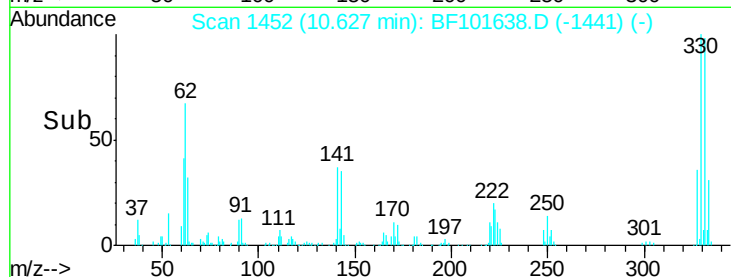
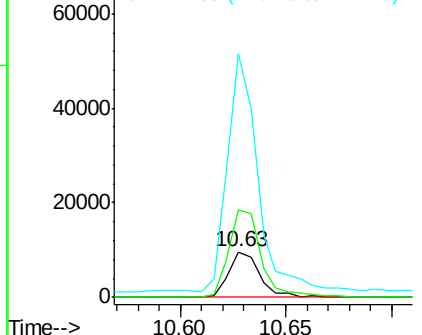
#66
 4-Bromophenyl-phenylether
 Concen: 2.858 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF101638.D
 Acq: 22 Dec 2017 6:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9644
 Ion Ratio Lower Upper
 248 100
 250 194.1 76.9 115.3#
 141 537.6 74.4 111.6#

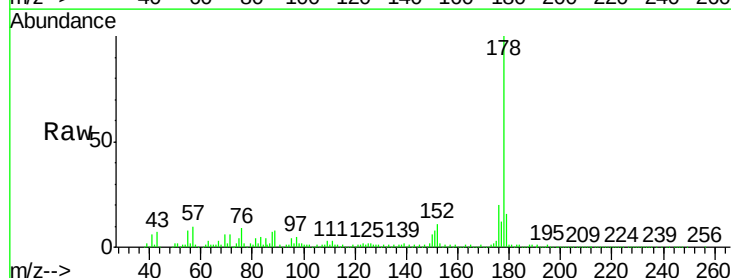


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

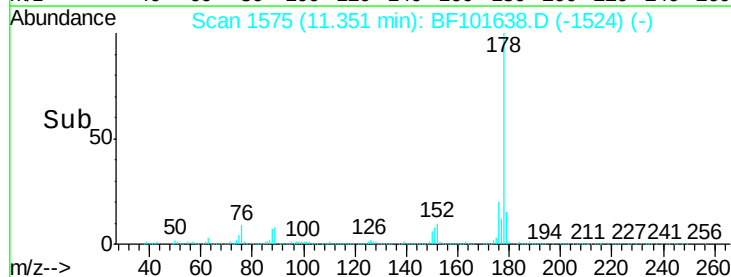
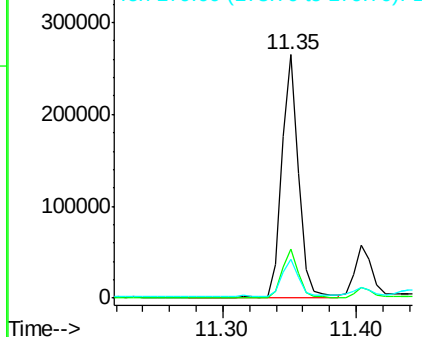


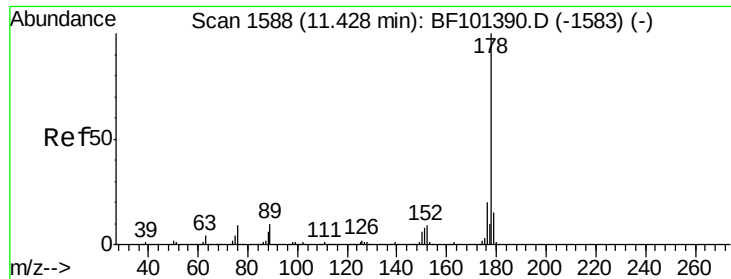
#70
 Phenanthrene
 Concen: 13.955 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: BF101638.D
 Acq: 22 Dec 2017 6:41

Tgt Ion:178 Resp: 233095
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 15.9 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

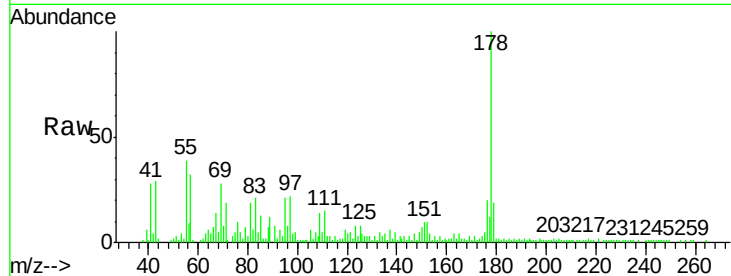




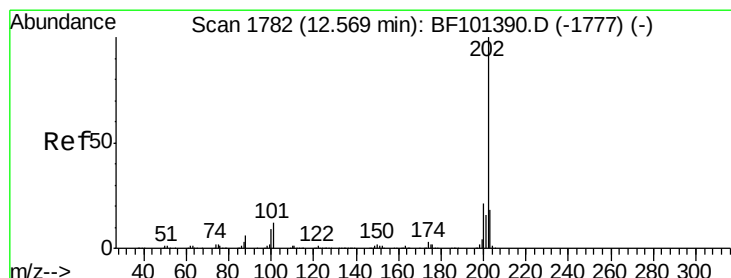
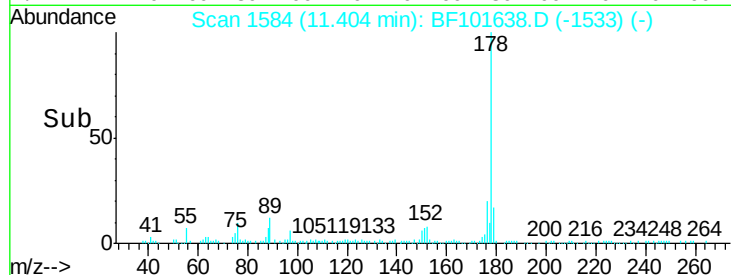
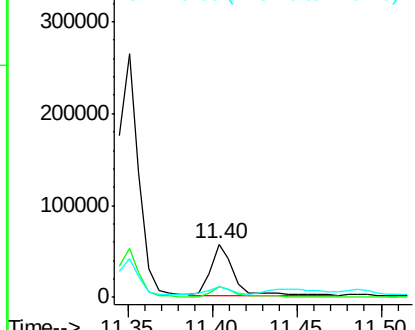
#71
 Anthracene
 Concen: 3.187 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF101638.D
 Acq: 22 Dec 2017 6:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 54372
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.4 23.2
 179 18.9 12.6 19.0

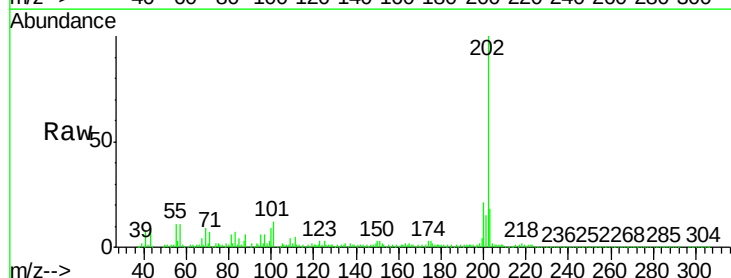


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

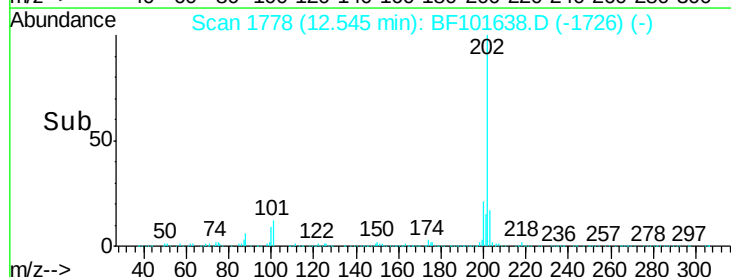
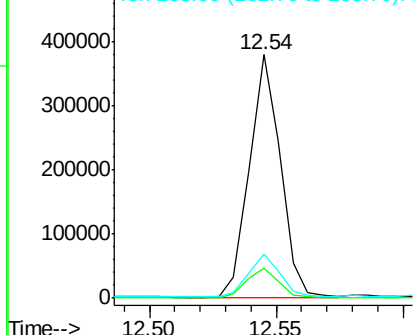


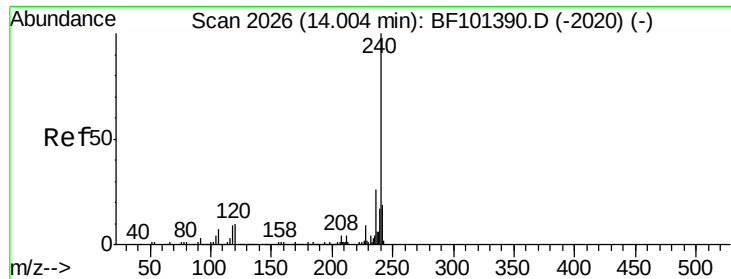
#74
 Fluoranthene
 Concen: 18.456 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: BF101638.D
 Acq: 22 Dec 2017 6:41

Tgt Ion:202 Resp: 323581
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 34.1
 203 17.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Instrument :

BNA_F

ClientSampleId :

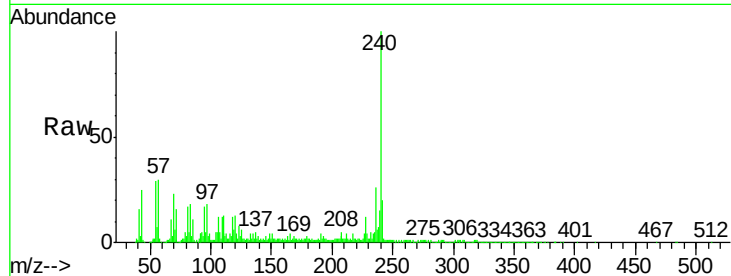
Tot Ion:240 Resp: 247951

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

236 26.4 20.7 31.1

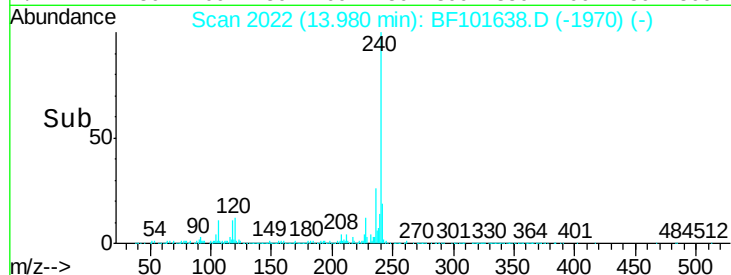


Abundance Ion 240.00 (239.70 to 240.70): E

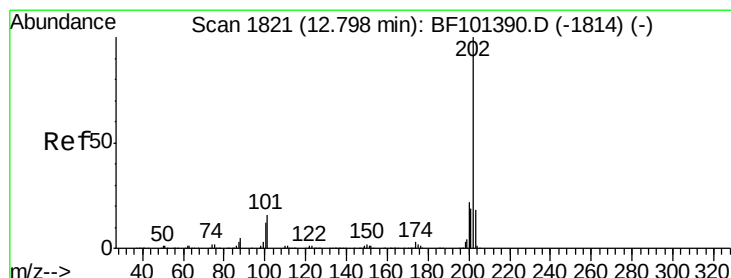
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.98



Time-->



#77

Pyrene

Concen: 16.211 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

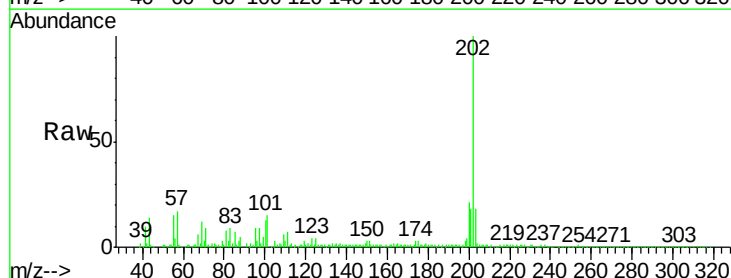
Tgt Ion:202 Resp: 301667

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

203 18.2 14.3 21.5

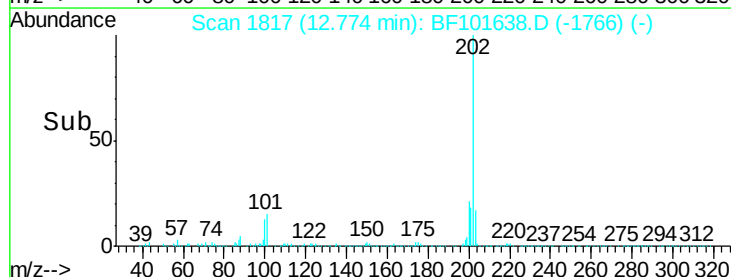


Abundance Ion 202.00 (201.70 to 202.70): E

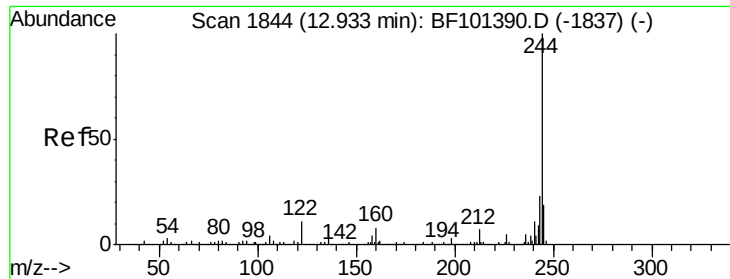
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.77



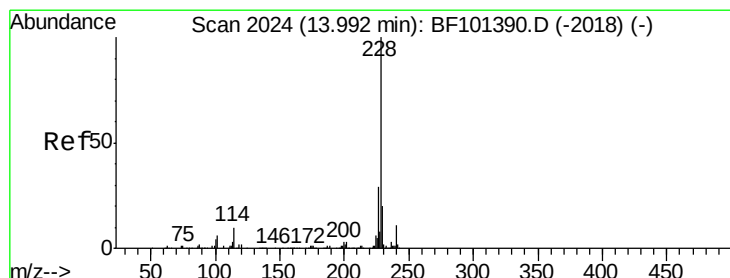
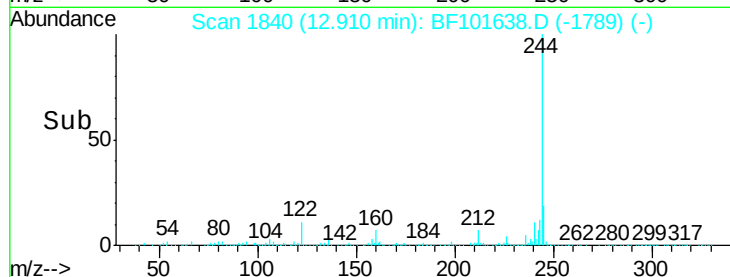
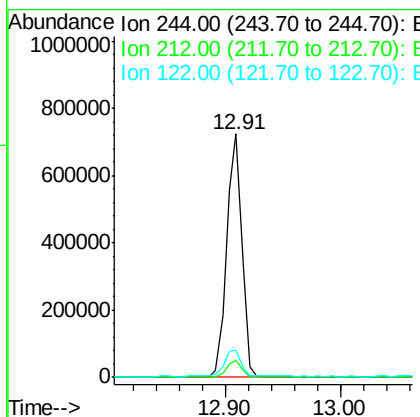
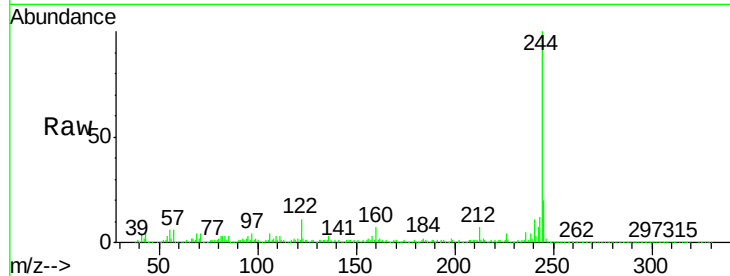
Time-->



#78
 Terphenyl-d14
 Concen: 63.769 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF101638.D
 Acq: 22 Dec 2017 6:41

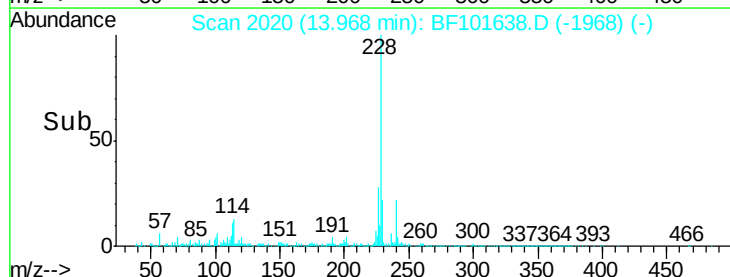
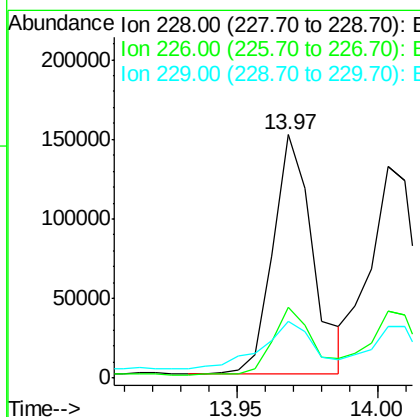
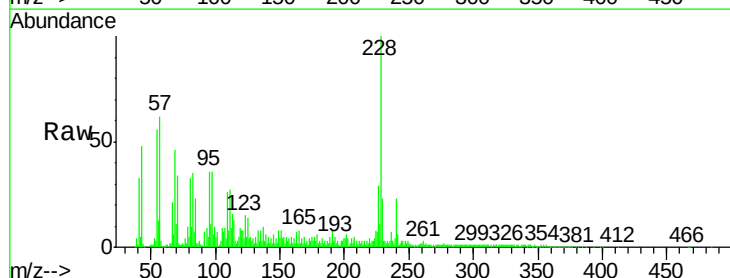
Instrument :
 BNA_F
 ClientSampled :

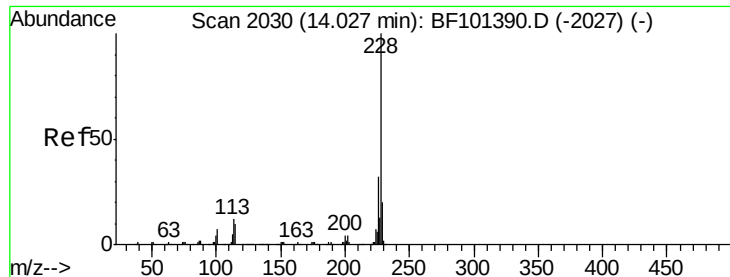
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.4	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 9.043 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: BF101638.D
 Acq: 22 Dec 2017 6:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	23.3	15.8	23.6





#82

Chrysene

Concen: 9.577 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.04 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Instrument :

BNA_F

ClientSampleId :

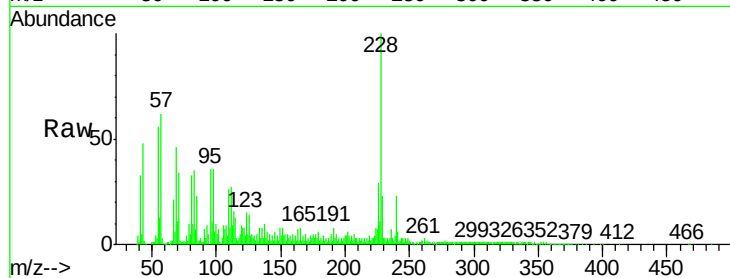
Tot Ion:228 Resp: 148052

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.6

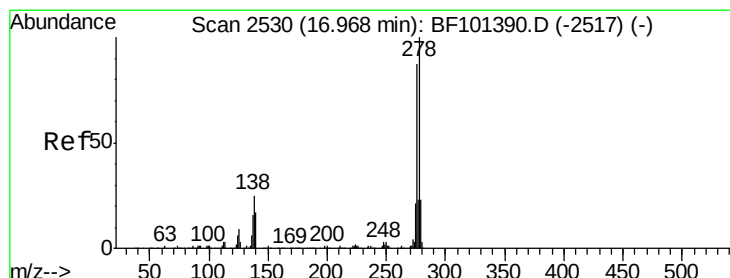
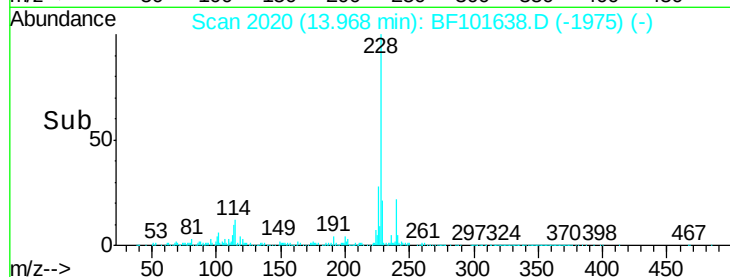
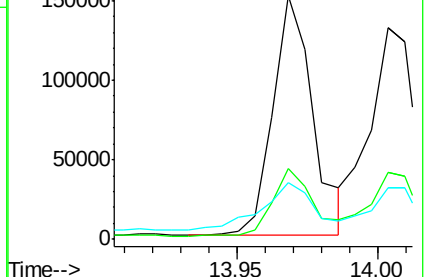
229 23.3 16.2 24.4



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: 4.061 ng

RT: 16.94 min Scan# 2525

Delta R.T. 0.02 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

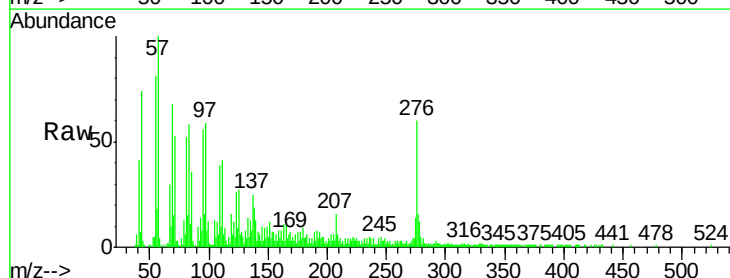
Tgt Ion:276 Resp: 55907

Ion Ratio Lower Upper

276 100

138 25.1 25.0 37.6

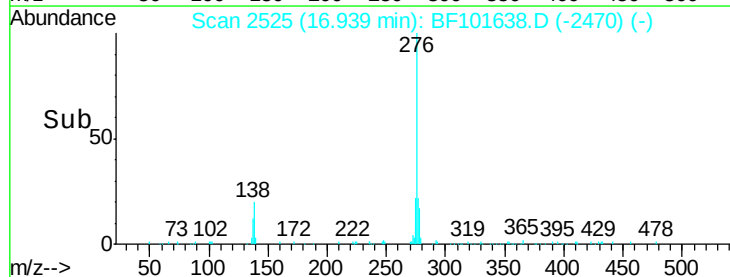
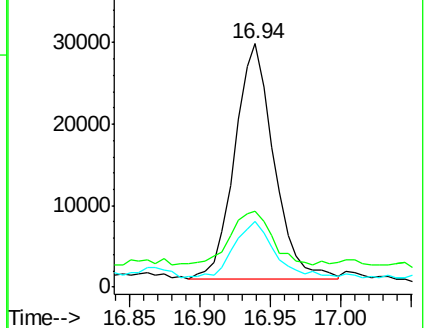
277 22.8 20.1 30.1

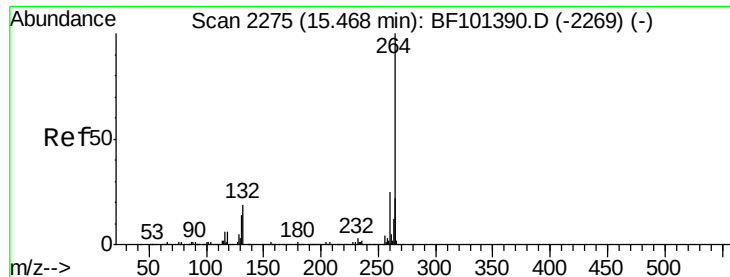


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

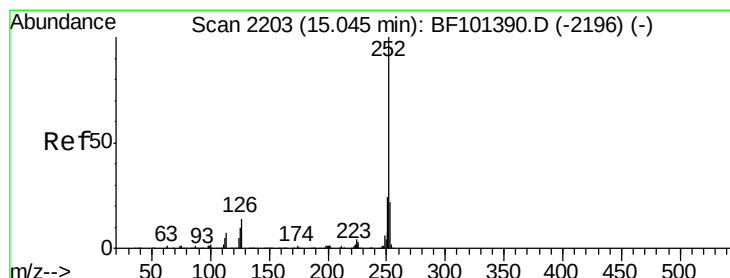
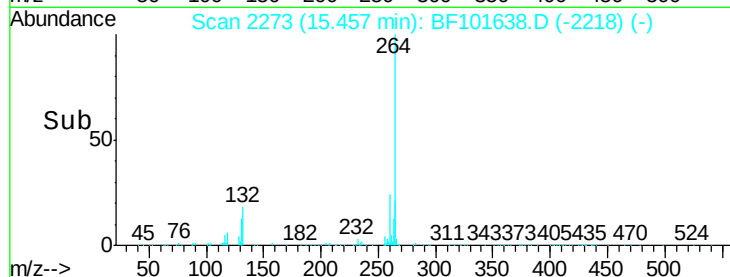
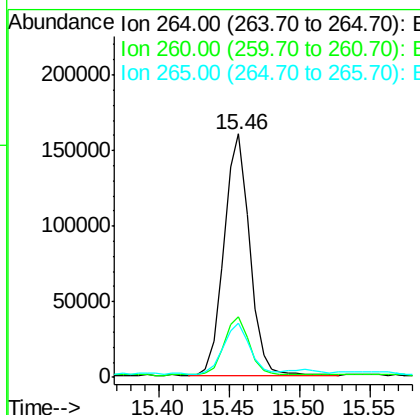
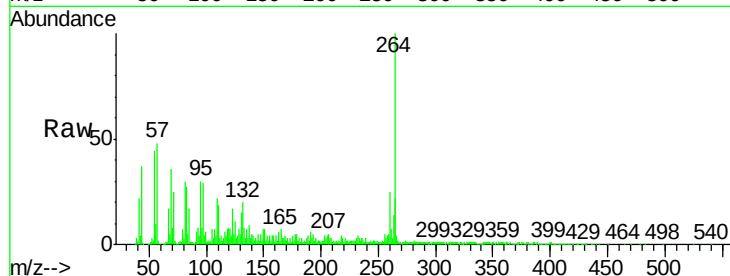




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.02 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

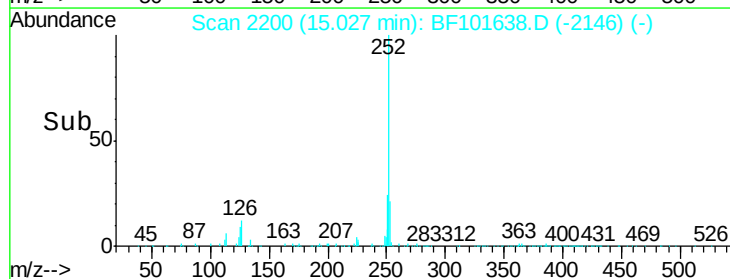
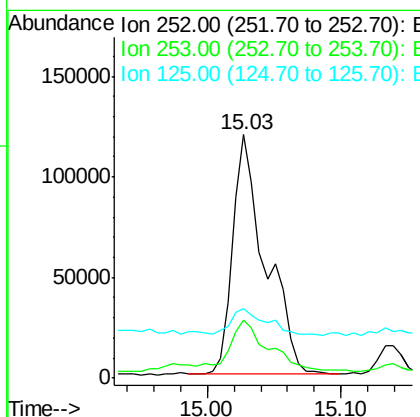
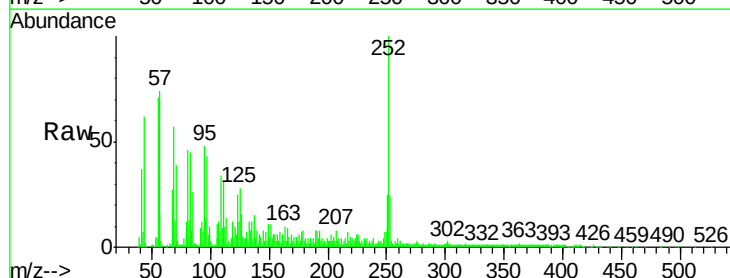
Instrument :
BNA_F
ClientSampleId :

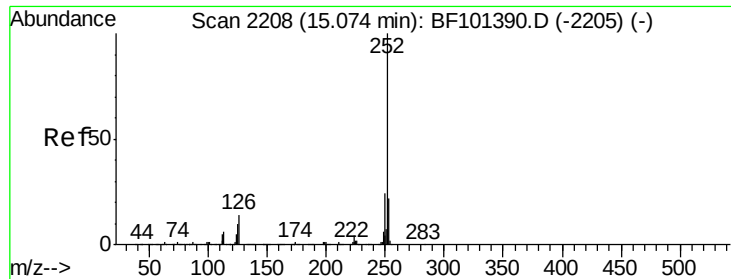
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 16.533 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.02 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	28.3	9.0	13.6

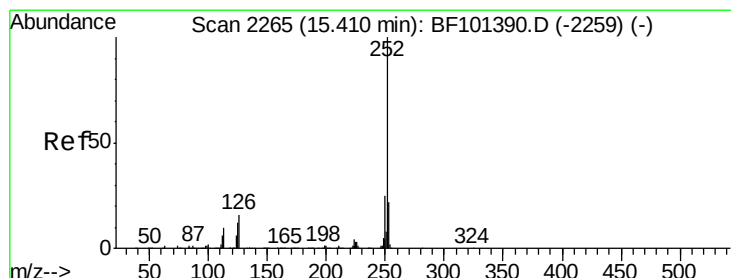
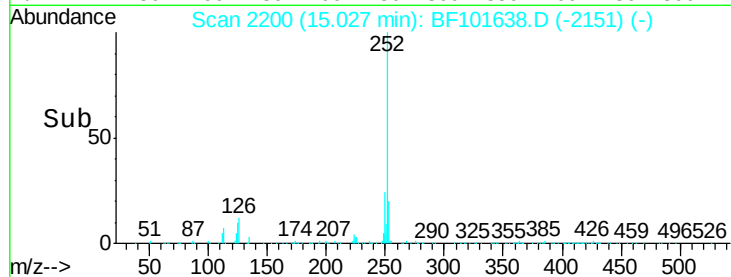
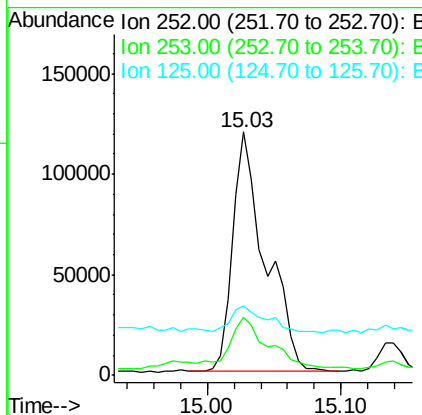
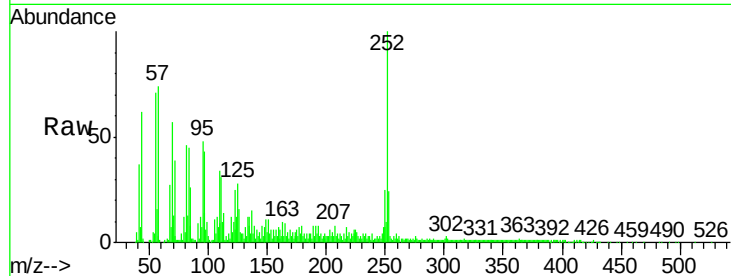




#88
Benzo(k)fluoranthene
Concen: 17.005 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

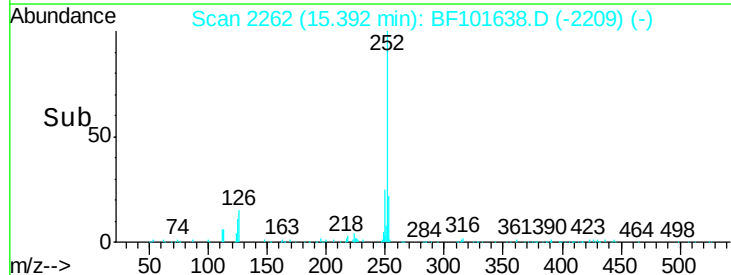
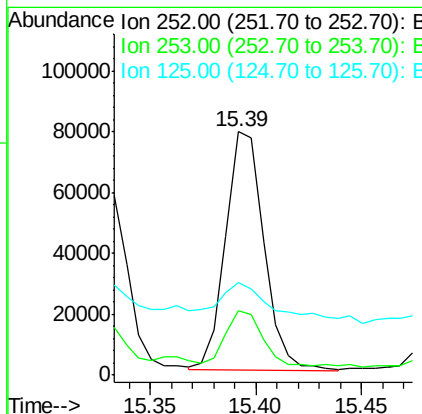
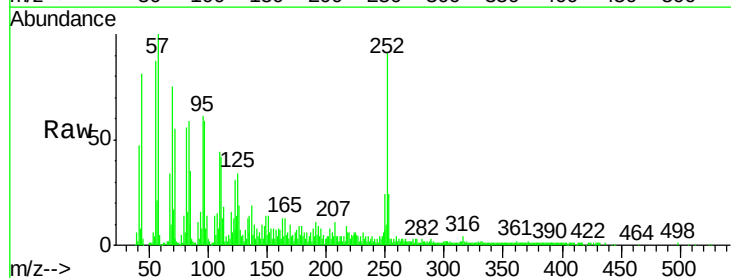
Instrument :
BNA_F
ClientSampleId :

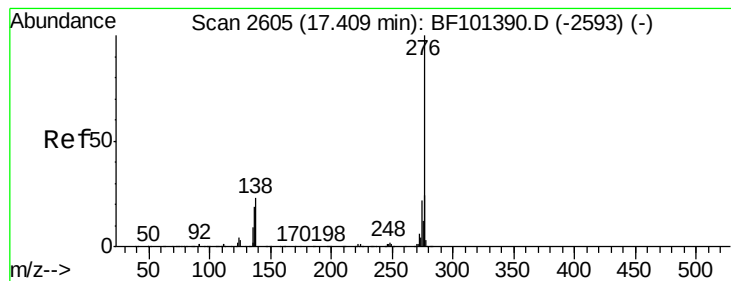
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	28.3	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 8.677 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF101638.D
Acq: 22 Dec 2017 6:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.1	25.7#
125	37.9	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 5.590 ng

RT: 17.39 min Scan# 2601

Delta R.T. 0.04 min

Lab File: BF101638.D

Acq: 22 Dec 2017 6:41

Instrument :

BNA_F

ClientSampleId :

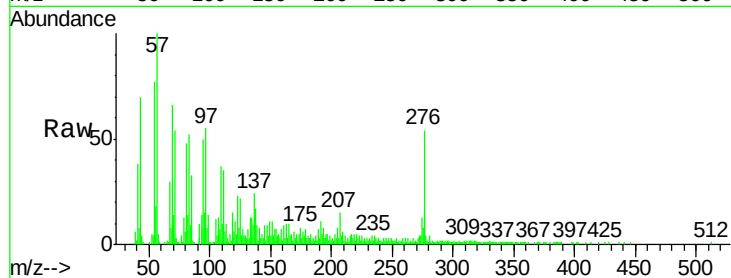
Tot Ion:276 Resp: 54018

Ion Ratio Lower Upper

276 100

277 28.3 17.9 26.9#

138 31.0 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

