

Data Path : U:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102649.D
 Acq On : 30 Jan 2018 19:42
 Operator : SJ/JU
 Sample : J1360-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

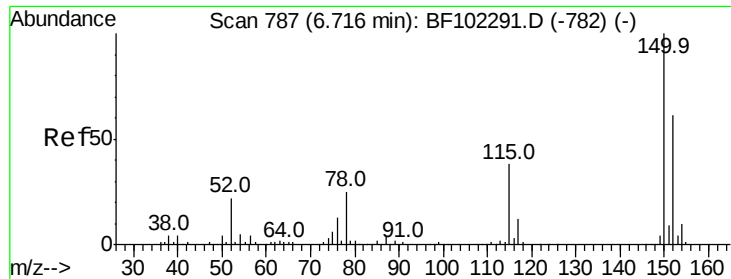
Quant Time: Jan 30 22:20:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	165097	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	693256	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	309349	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	537818	20.00	ng	0.00
75) Chrysene-d12	13.87	240	350362	20.00	ng	0.00
86) Perylene-d12	15.30	264	303170	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1080081	99.20	ng	0.00
7) Phenol-d6	6.36	99	1320975	100.63	ng	0.00
23) Nitrobenzene-d5	7.28	82	839920	69.62	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	240414	78.43	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1288199	61.23	ng	0.00
78) Terphenyl-d14	12.82	244	1055019	67.88	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.48	77	21705	2.404	ng	82
19) n-Nitroso-di-n-propylamine	7.28	70	111289	13.853	ng	# 76
25) Isophorone	7.28	82	839916	39.054	ng	# 64
49) Dimethylphthalate	9.46	163	159264	6.229	ng	99
56) 2,4-Dinitrotoluene	9.75	165	41348	6.099	ng	# 24
66) 4-Bromophenyl-phenylether	10.54	248	15812	2.731	ng	# 1
74) Fluoranthene	12.44	202	372216	11.647	ng	96
77) Pyrene	12.67	202	271927	10.038	ng	99
80) Benzo(a)anthracene	13.86	228	108781	5.043	ng	99
82) Chrysene	13.90	228	127413	5.817	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	75748	4.187	ng	94
87) Benzo(b)fluoranthene	14.89	252	200867	10.222	ng	# 94
88) Benzo(k)fluoranthene	14.89	252	200867	10.820	ng	# 97
89) Benzo(a)pyrene	15.24	252	95593	5.394	ng	# 95
91) Benzo(a,h,i)perylene	17.13	276	75898	5.354	ng	# 91

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

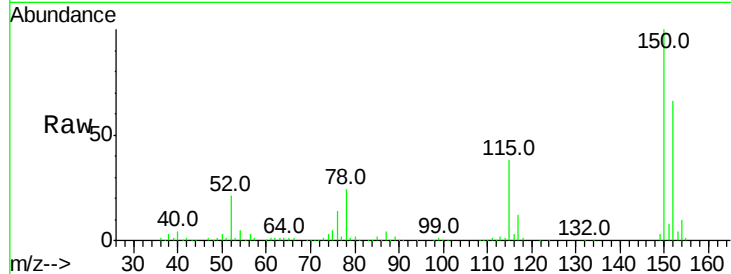


#1

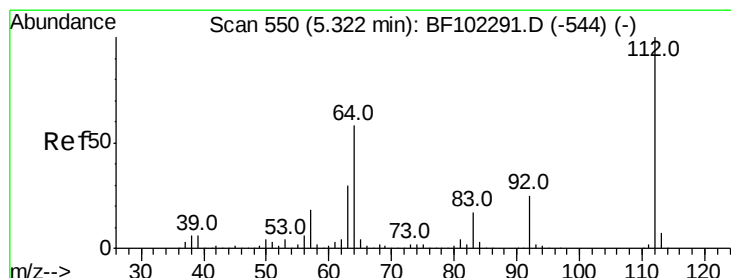
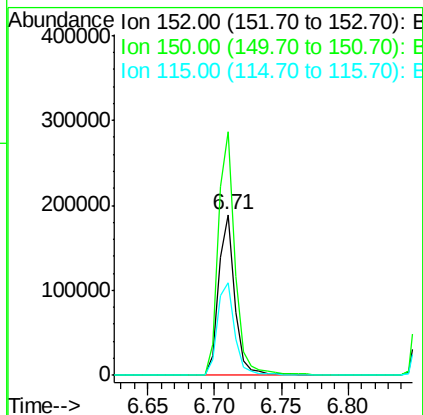
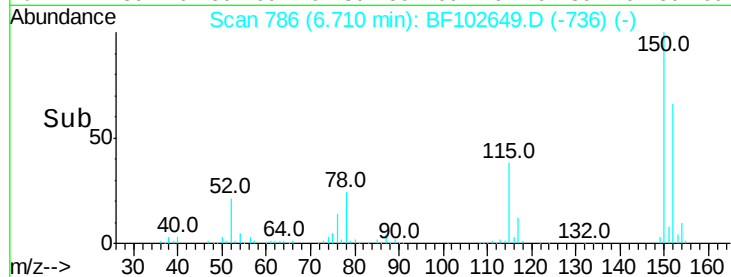
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 165097
Ion Ratio Lower Upper
152 100
150 151.6 124.6 186.8
115 58.0 50.1 75.1



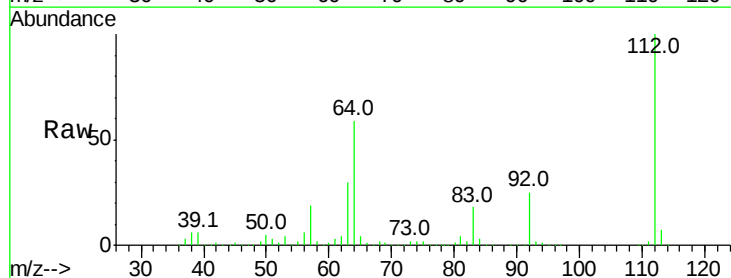
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



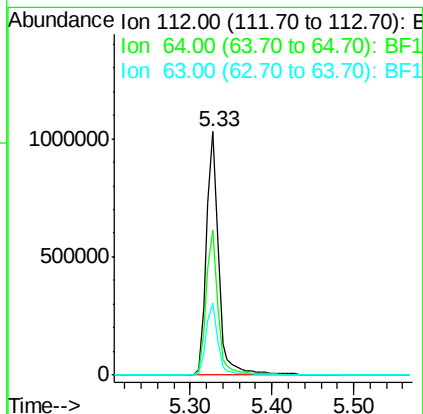
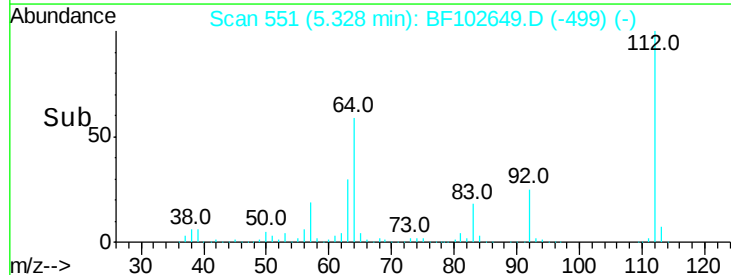
#5

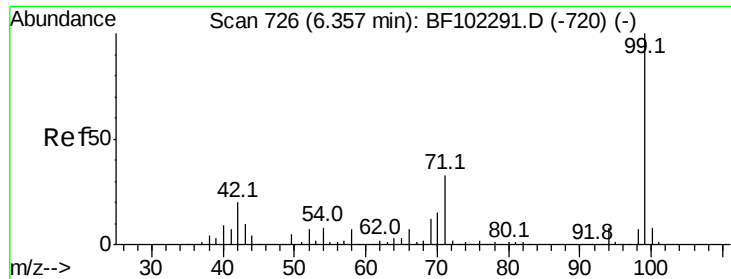
2-Fluorophenol
Concen: 99.195 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Tgt Ion:112 Resp: 1080081
Ion Ratio Lower Upper
112 100
64 59.4 47.9 71.9
63 29.8 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: 100.630 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102649.D

Acq: 30 Jan 2018 19:42

Instrument :

BNA_F

ClientSampled :

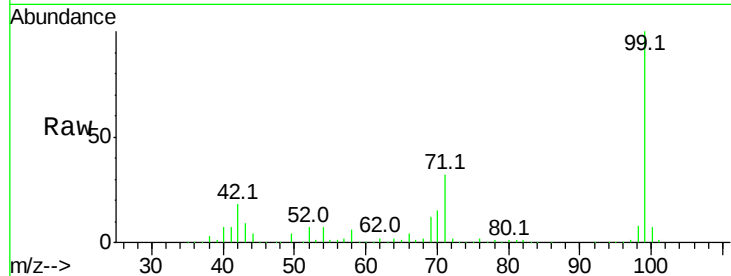
Tot Ion: 99 Resp: 1320975

Ion Ratio Lower Upper

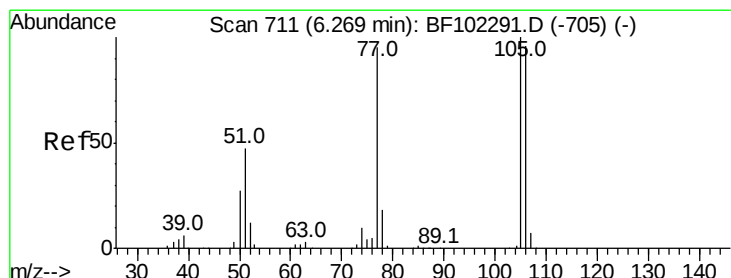
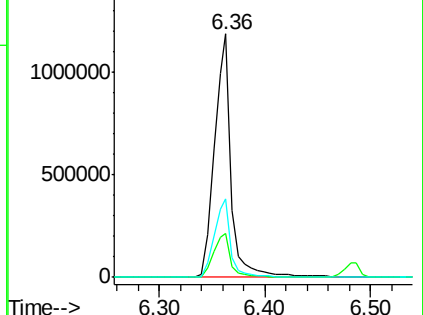
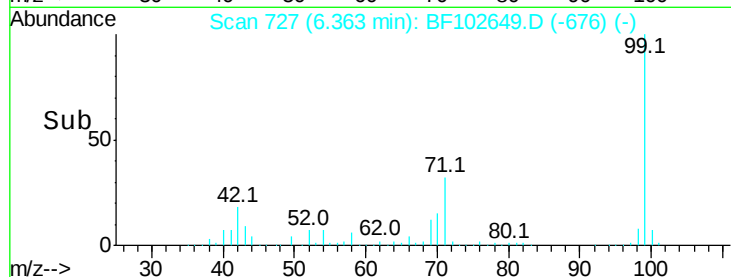
99 100

42 18.2 14.5 21.7

71 32.5 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: 2.404 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF102649.D

Acq: 30 Jan 2018 19:42

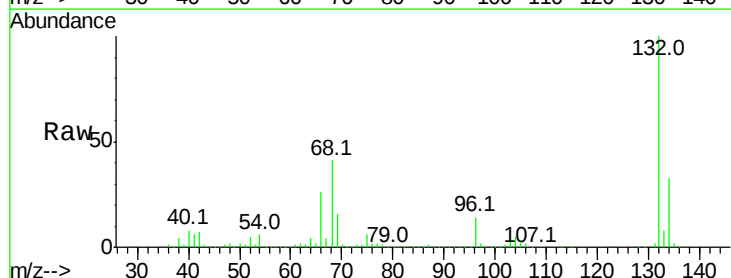
Tgt Ion: 77 Resp: 21705

Ion Ratio Lower Upper

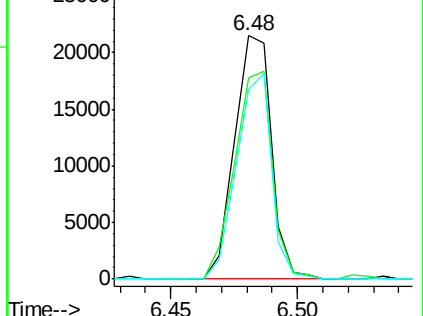
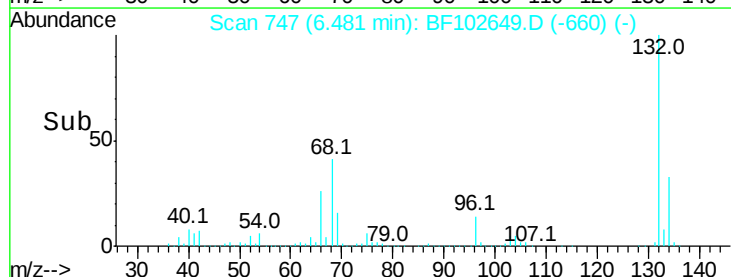
77 100

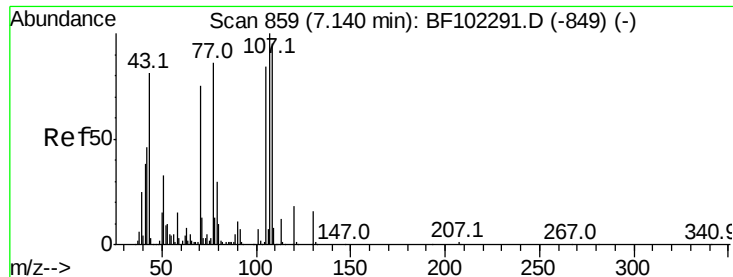
105 82.6 81.1 121.1

106 78.1 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

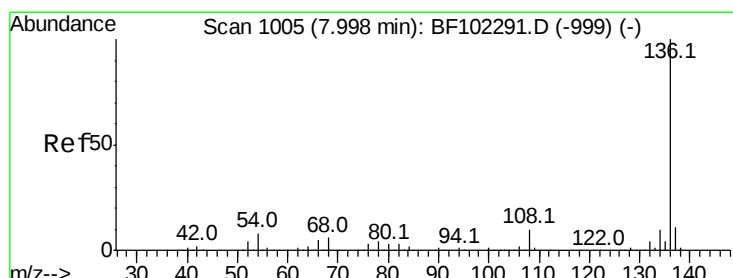
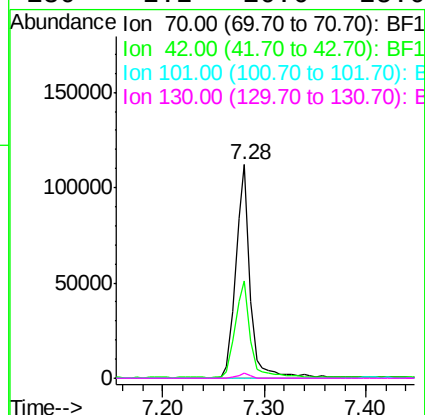
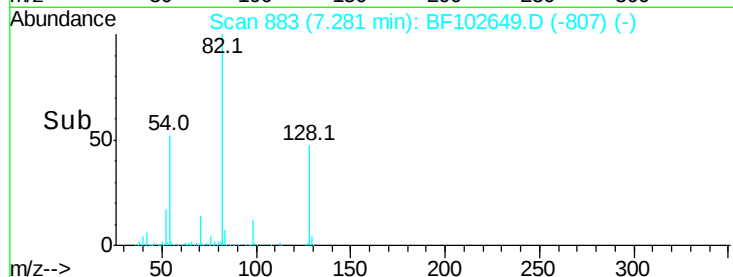
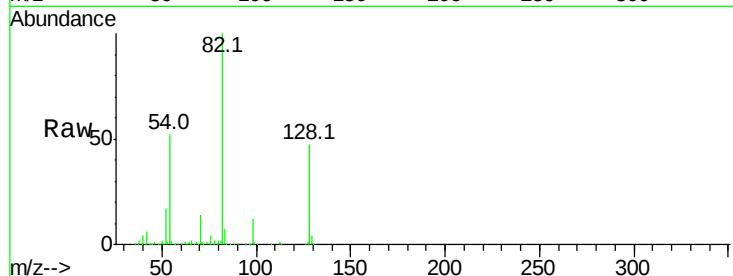




#19
n-Nitroso-di-n-propylamine
Concen: 13.853 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

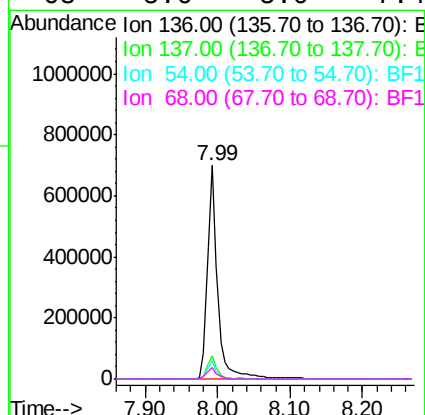
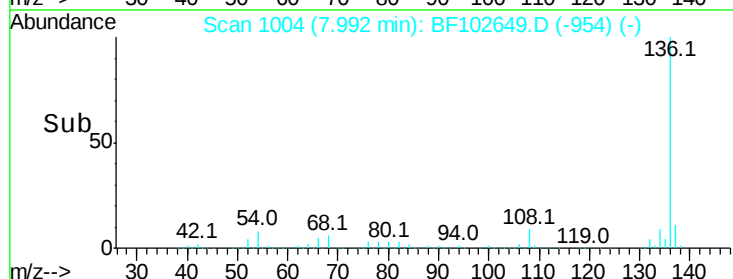
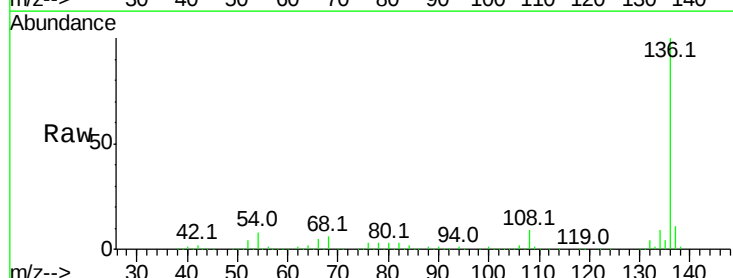
Instrument :
BNA_F
ClientSampleId :

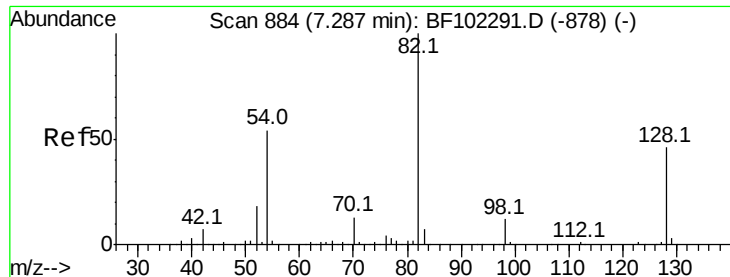
Tot Ion: 70 Resp: 111289
Ion Ratio Lower Upper
70 100
42 45.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Tgt Ion:136 Resp: 693256
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.5 6.6 9.8
68 5.6 5.0 7.4

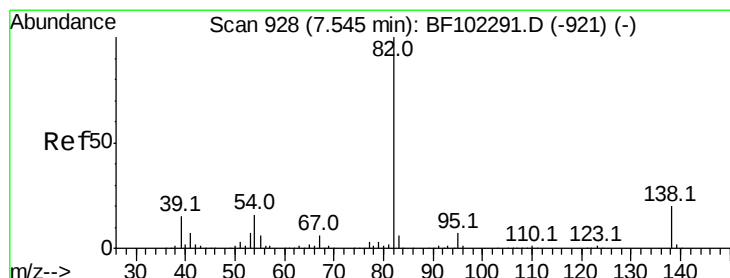
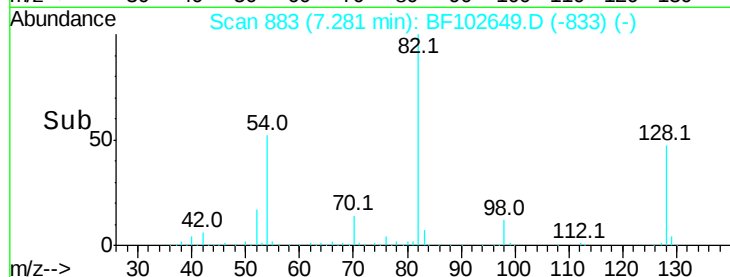
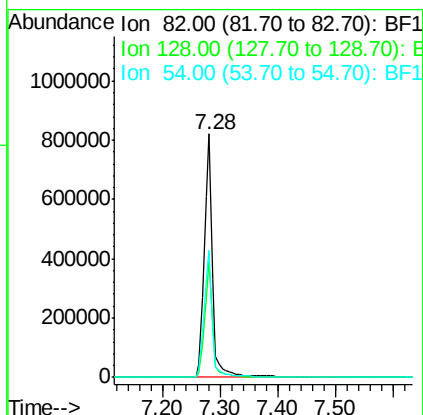
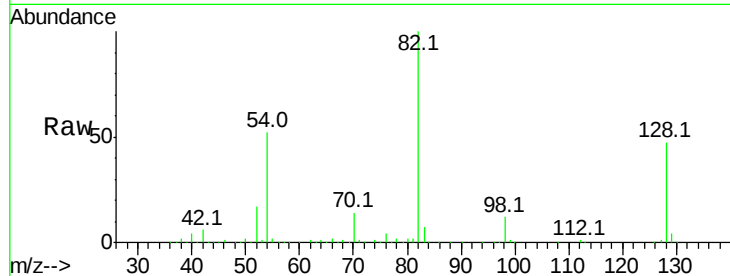




#23
 Nitrobenzene-d5
 Concen: 69.624 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

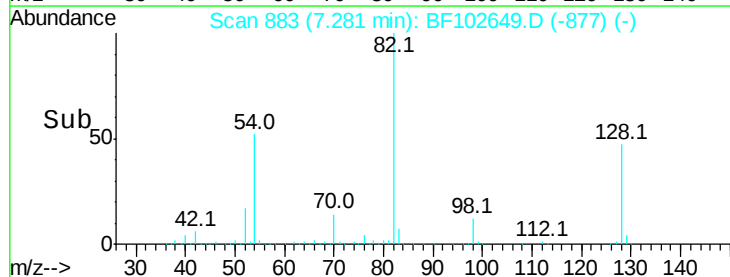
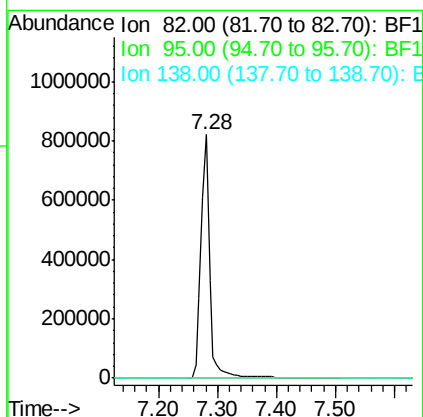
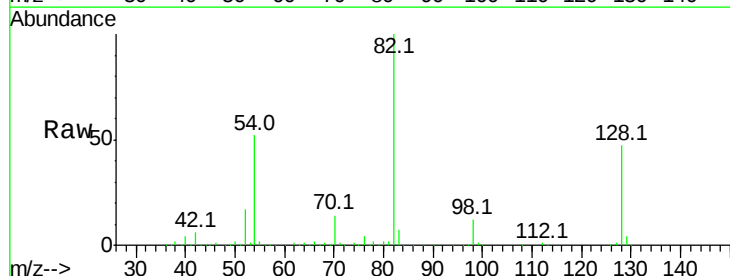
Instrument :
 BNA_F
 ClientSampleId :

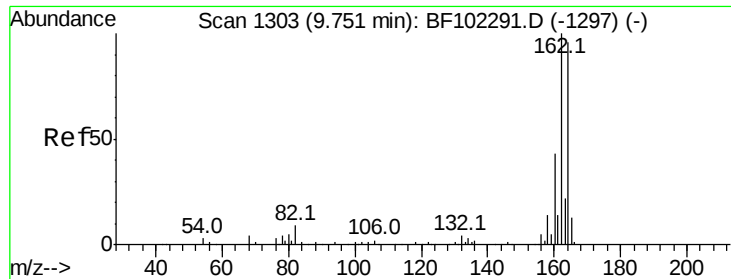
Tot Ion: 82 Resp: 839920
 Ion Ratio Lower Upper
 82 100
 128 47.4 36.1 54.1
 54 52.2 41.4 62.2



#25
 Isophorone
 Concen: 39.054 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Tgt Ion: 82 Resp: 839916
 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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102649.D

Acq: 30 Jan 2018 19:42

Instrument :

BNA_F

ClientSampleId :

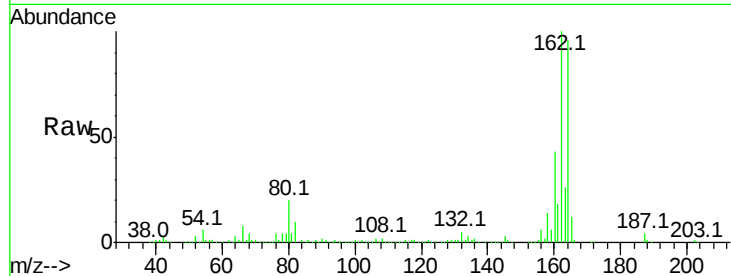
Tot Ion:164 Resp: 309349

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

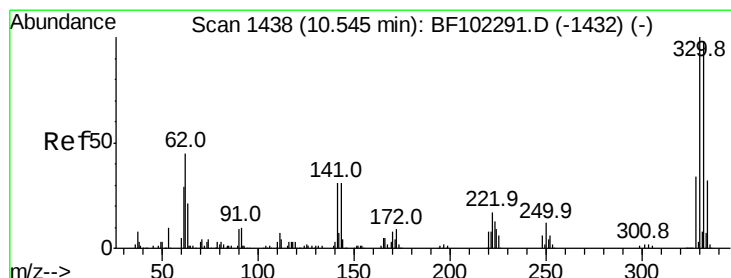
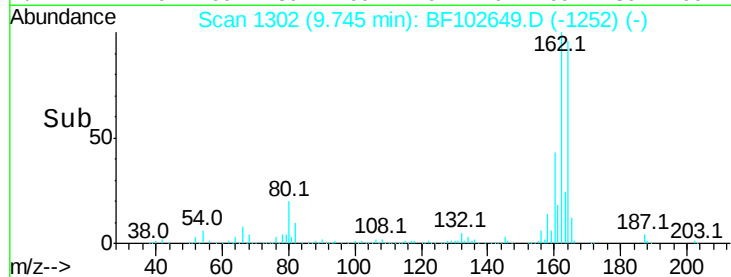
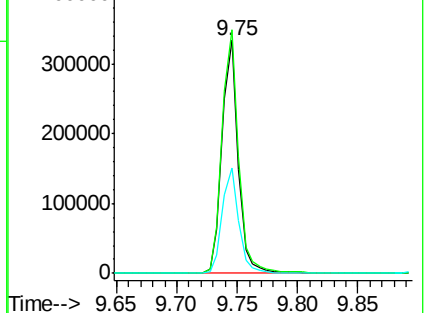
160 45.2 38.3 57.5



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: 78.433 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102649.D

Acq: 30 Jan 2018 19:42

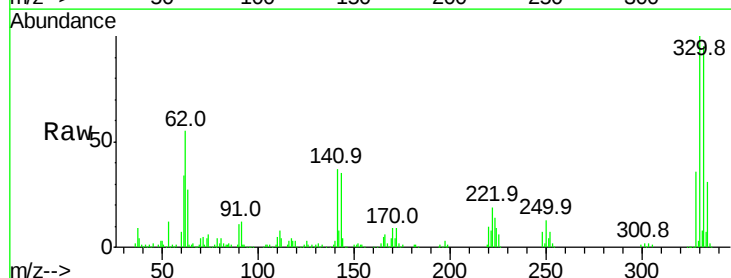
Tgt Ion:330 Resp: 240414

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

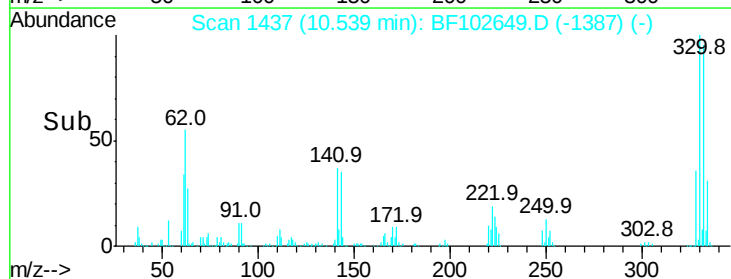
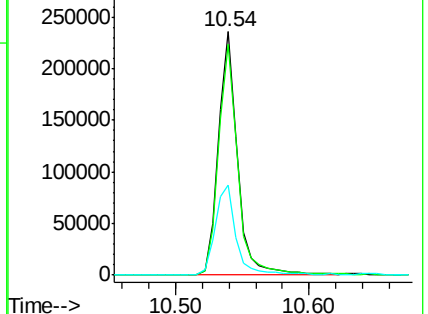
141 40.8 29.9 44.9

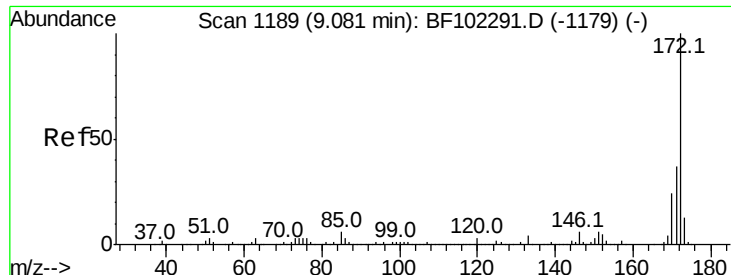


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

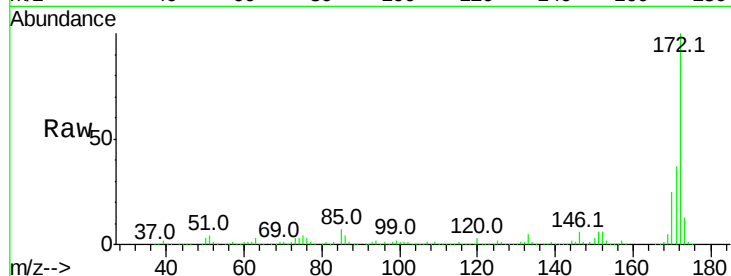




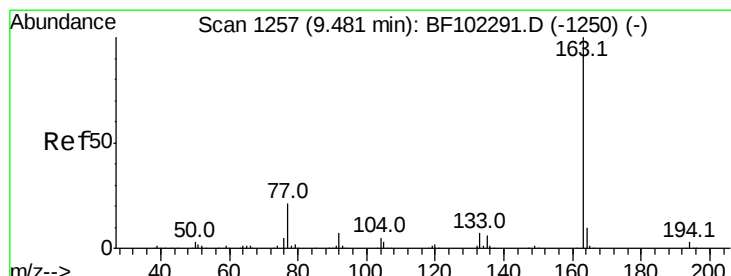
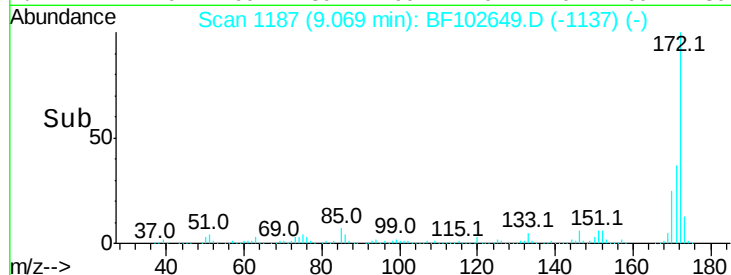
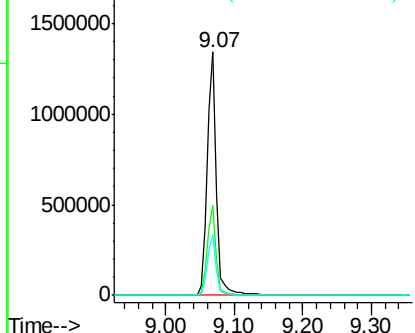
#44
2-Fluorobiphenyl
Concen: 61.229 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1288199
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 24.8 19.6 29.4

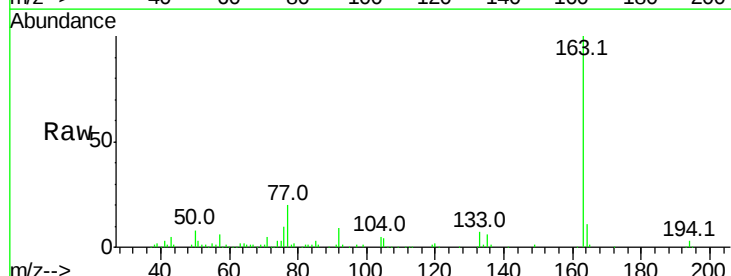


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

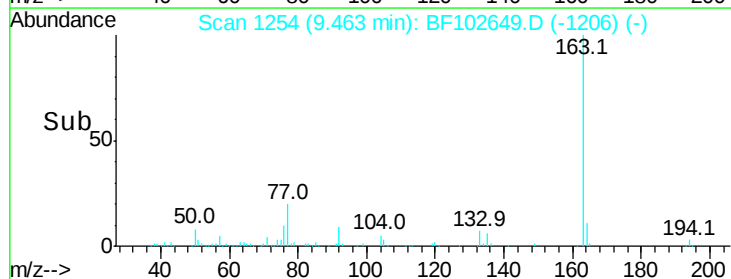
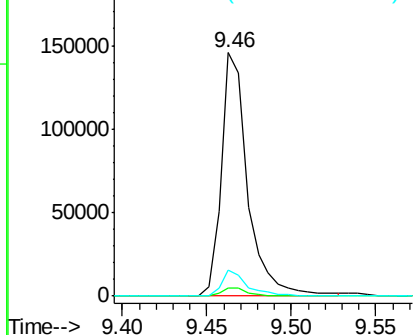


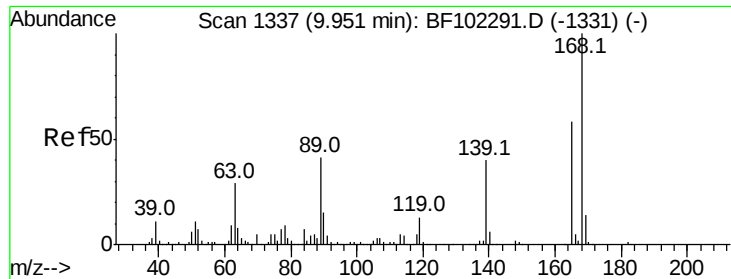
#49
Dimethylphthalate
Concen: 6.229 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Tgt Ion:163 Resp: 159264
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.8 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

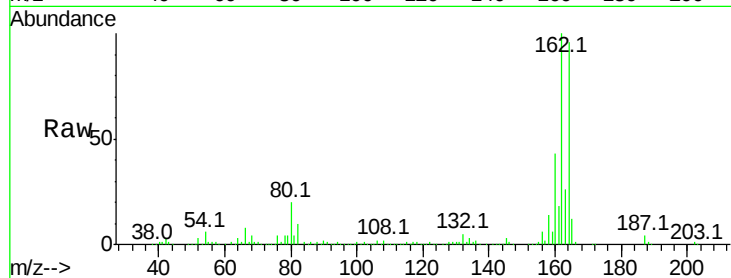




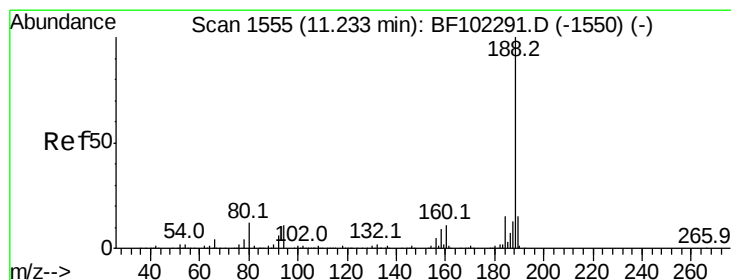
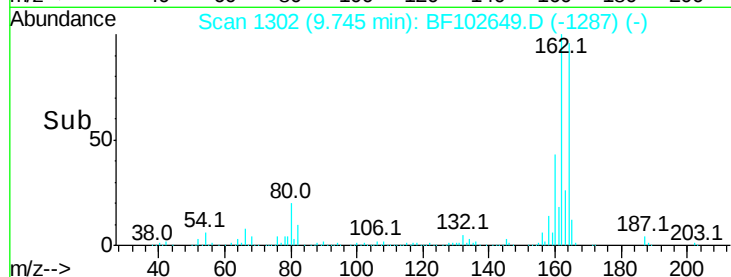
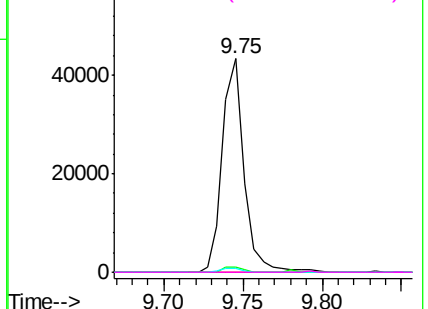
#56
 2,4-Dinitrotoluene
 Concen: 6.099 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 41348
 Ion Ratio Lower Upper
 165 100
 63 2.2 36.4 54.6#
 89 2.0 57.8 86.6#
 182 0.0 1.6 2.4#

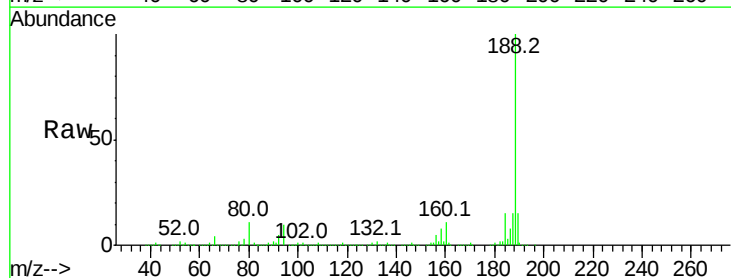


Abundance Ion 165.00 (164.70 to 165.70): E

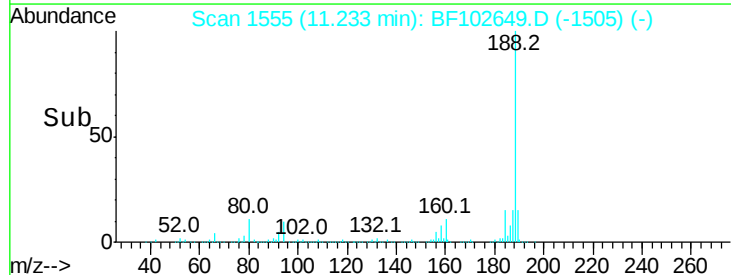
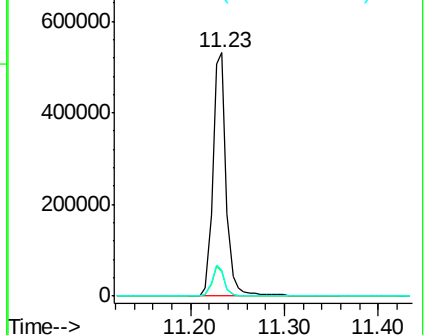


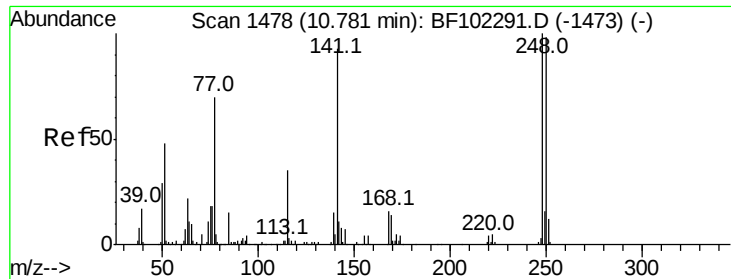
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Tgt Ion:188 Resp: 537818
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 10.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

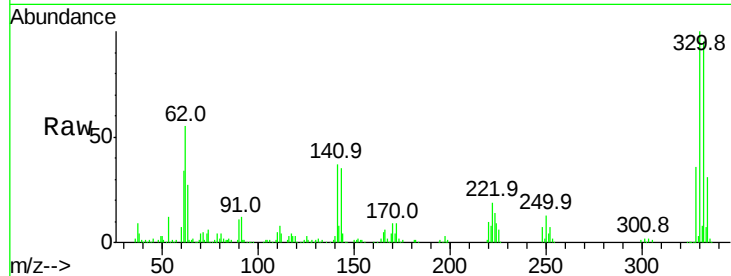




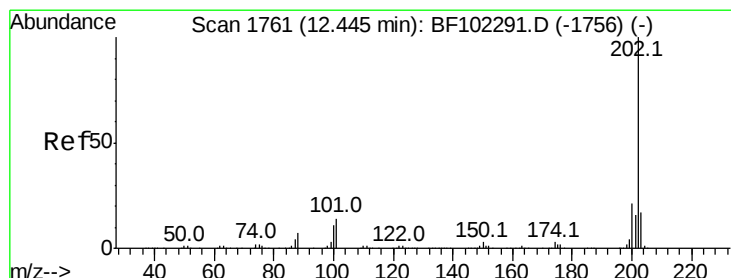
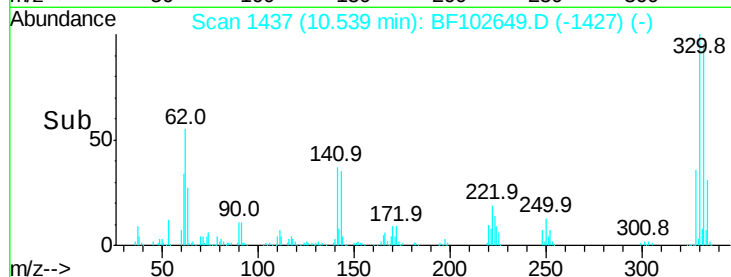
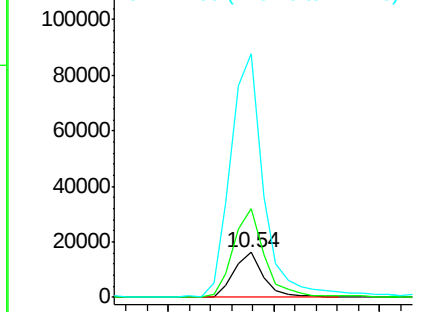
#66
 4-Bromophenyl-phenylether
 Concen: 2.731 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.24 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 15812
 Ion Ratio Lower Upper
 248 100
 250 196.1 76.9 115.3#
 141 540.8 74.4 111.6#

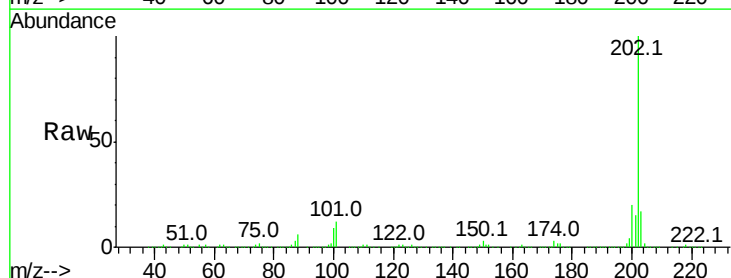


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

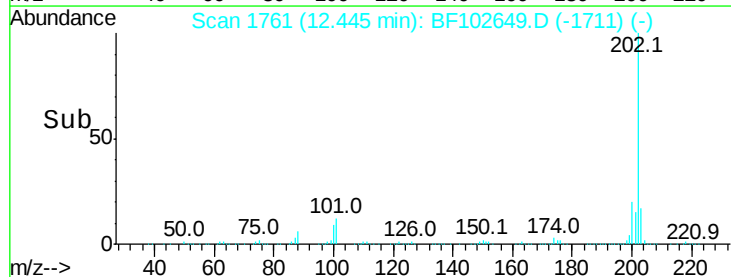
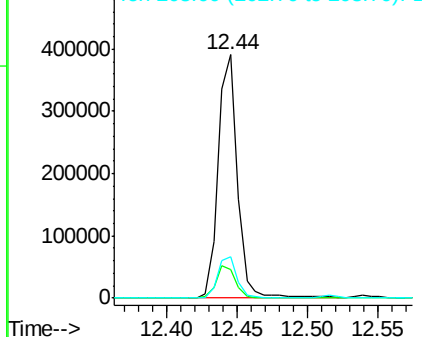


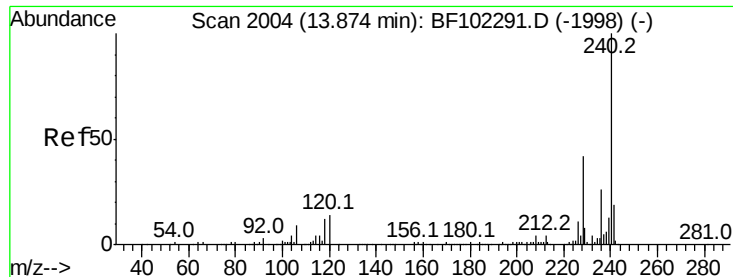
#74
 Fluoranthene
 Concen: 11.647 ng
 RT: 12.44 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Tgt Ion:202 Resp: 372216
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 34.1
 203 16.7 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: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102649.D

Acq: 30 Jan 2018 19:42

Instrument :

BNA_F

ClientSampleId :

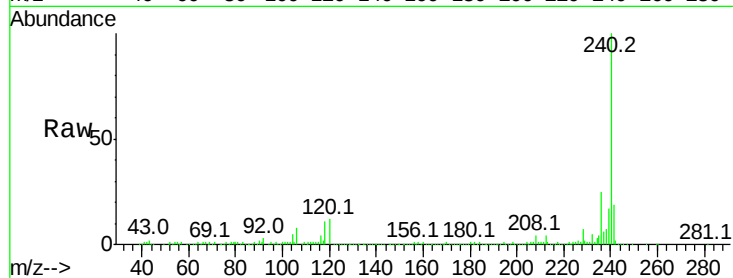
Tot Ion:240 Resp: 350362

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

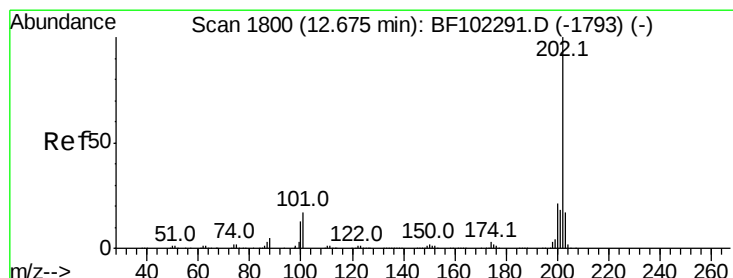
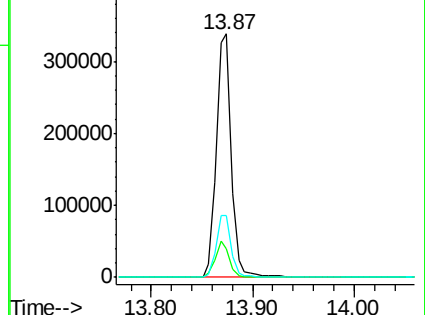
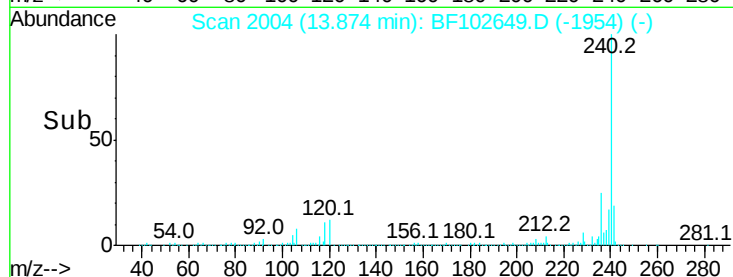
236 25.4 20.7 31.1



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



#77

Pyrene

Concen: 10.038 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102649.D

Acq: 30 Jan 2018 19:42

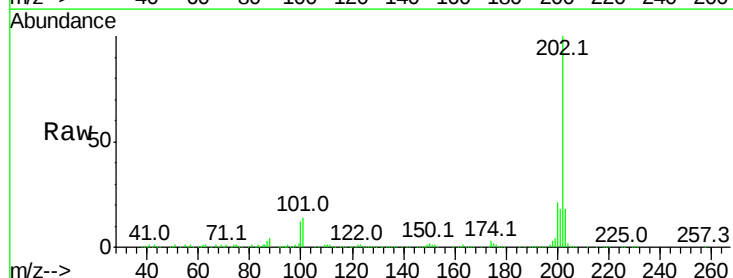
Tgt Ion:202 Resp: 271927

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

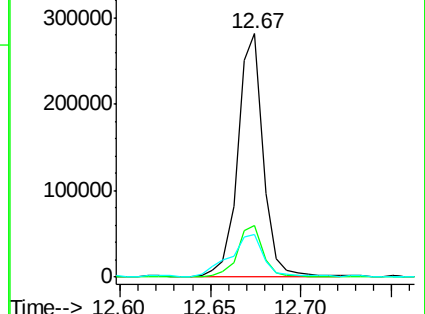
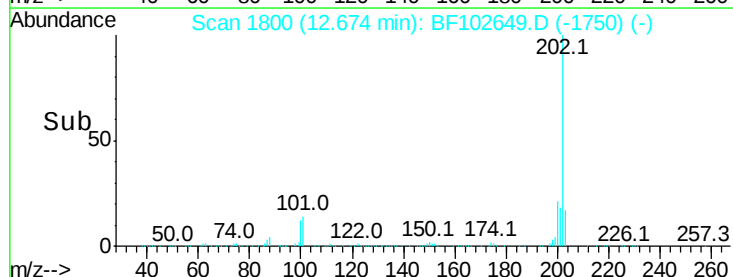
203 17.5 14.3 21.5

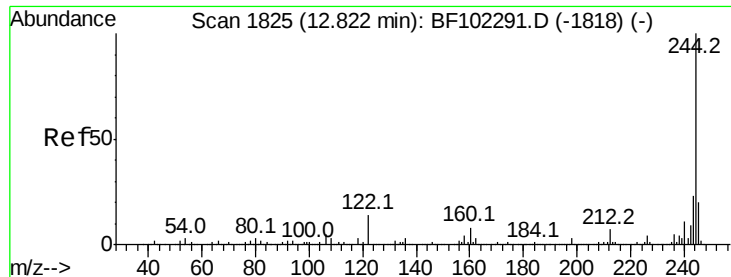


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

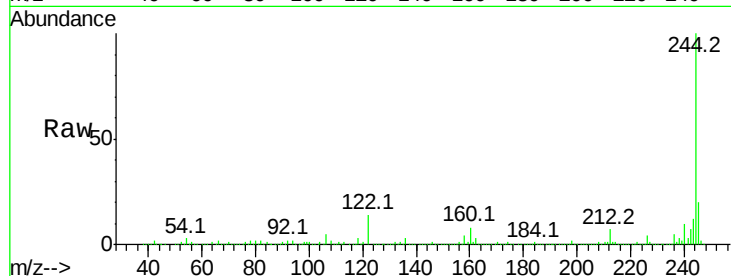




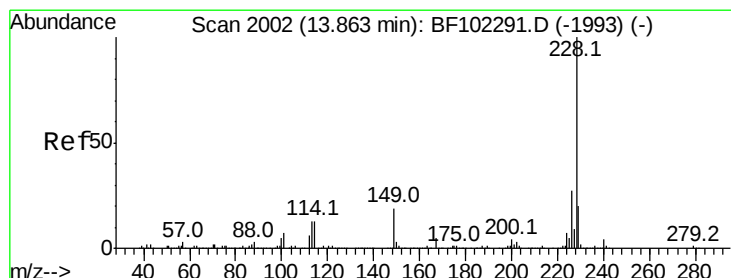
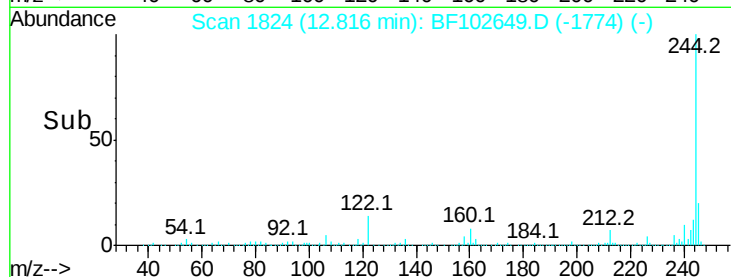
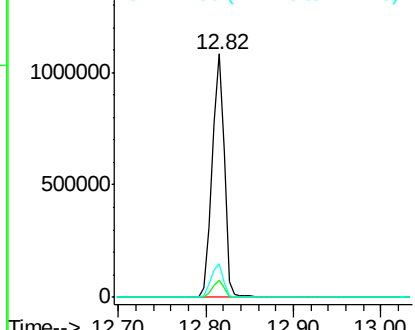
#78
 Terphenyl-d14
 Concen: 67.884 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1055019
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 14.1 11.0 16.4

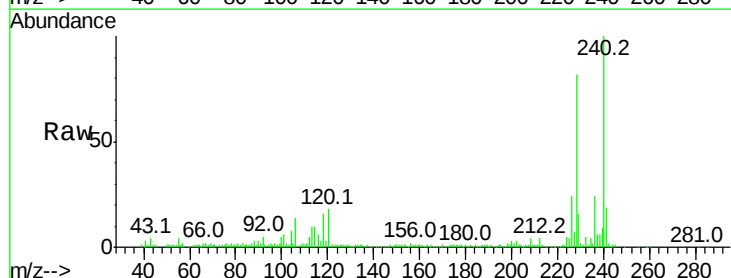


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

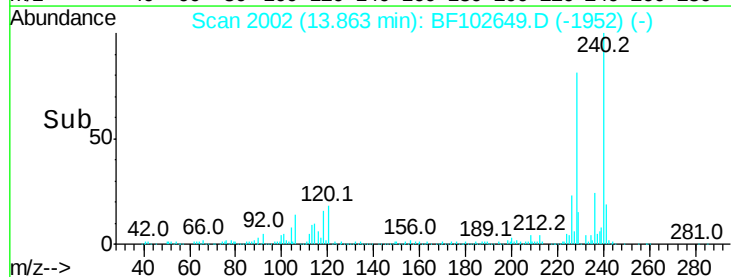
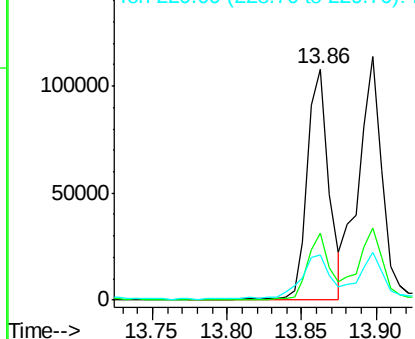


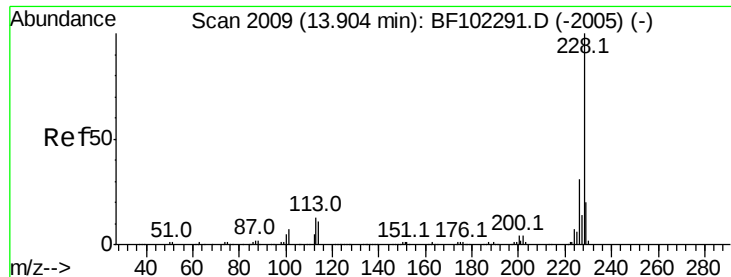
#80
 Benzo(a)anthracene
 Concen: 5.043 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Tgt Ion:228 Resp: 108781
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 19.7 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

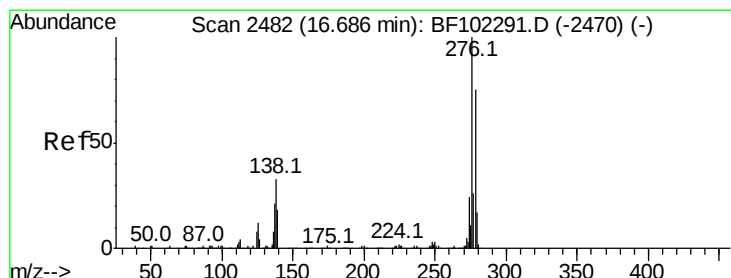
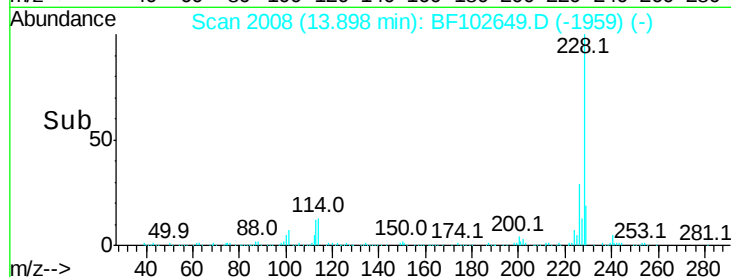
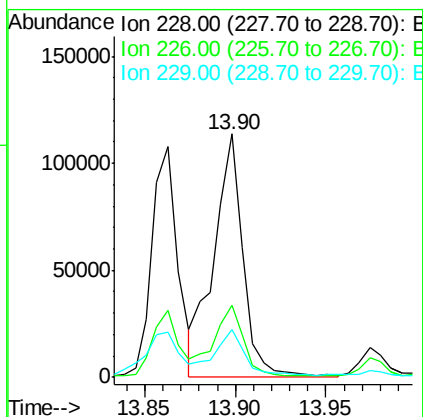
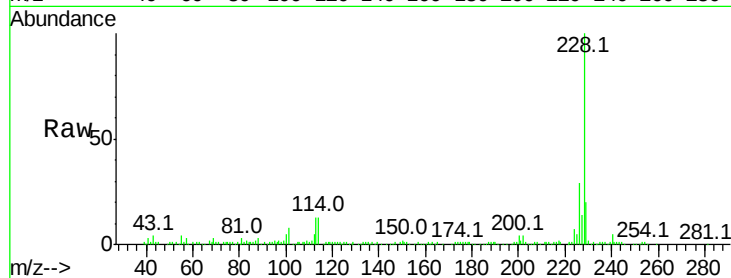




#82
Chrysene
Concen: 5.817 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

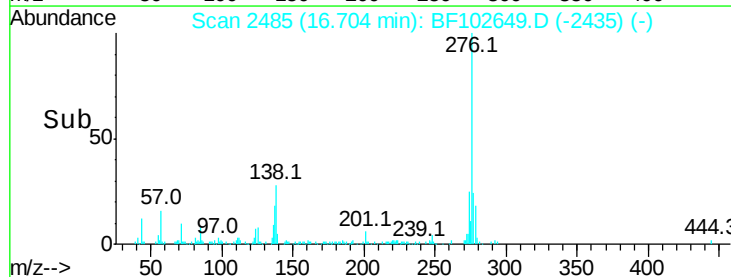
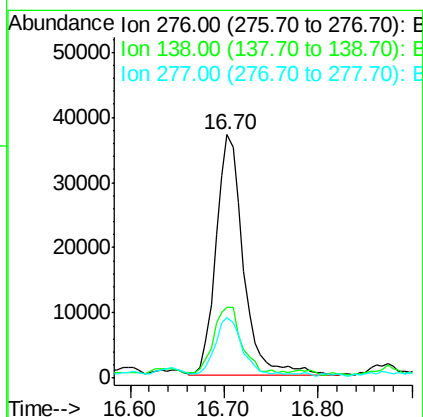
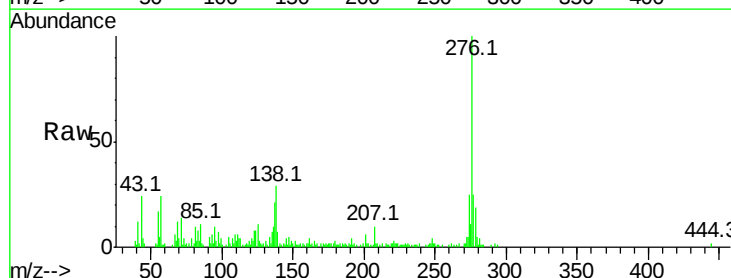
Instrument :
BNA_F
ClientSampleId :

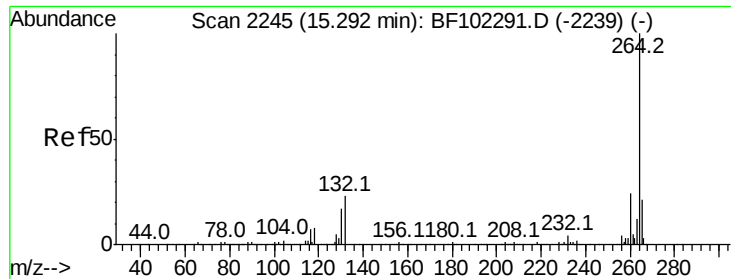
Tot Ion:228 Resp: 127413
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.6
229 19.7 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.187 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Tgt Ion:276 Resp: 75748
Ion Ratio Lower Upper
276 100
138 27.9 25.0 37.6
277 22.2 20.1 30.1



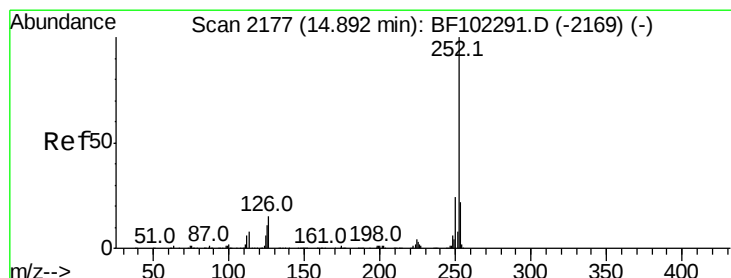
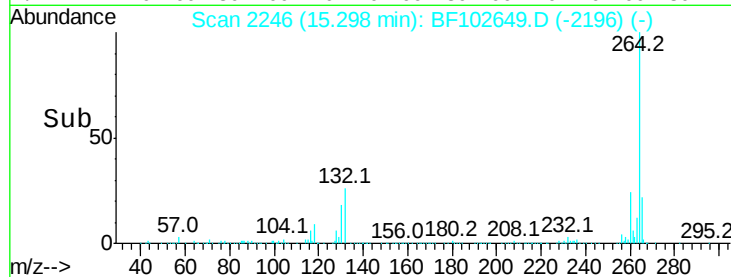
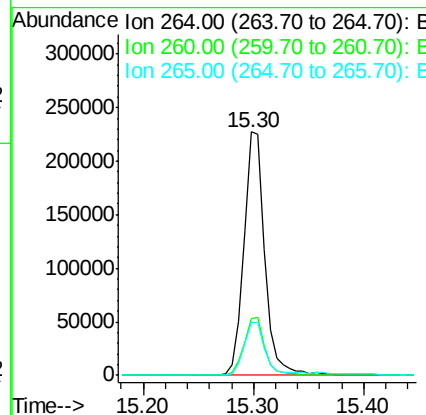
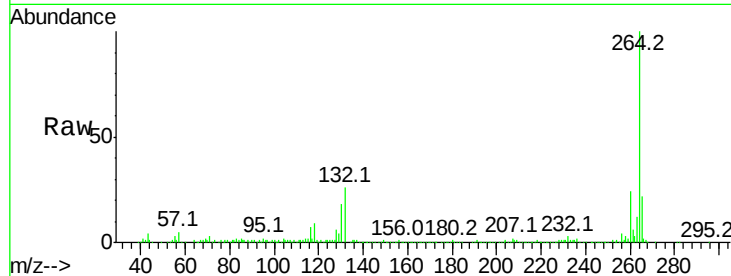


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 303170

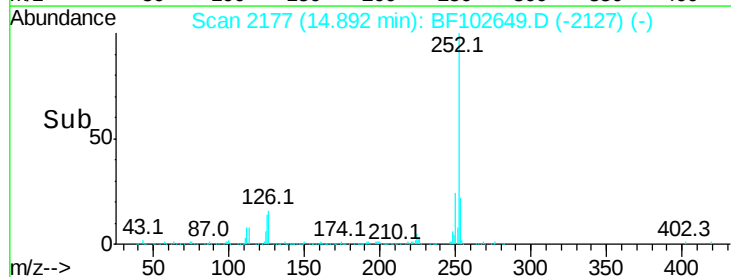
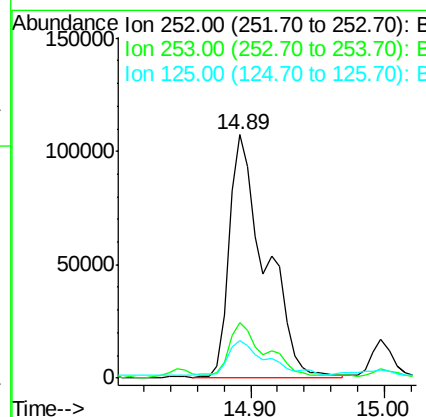
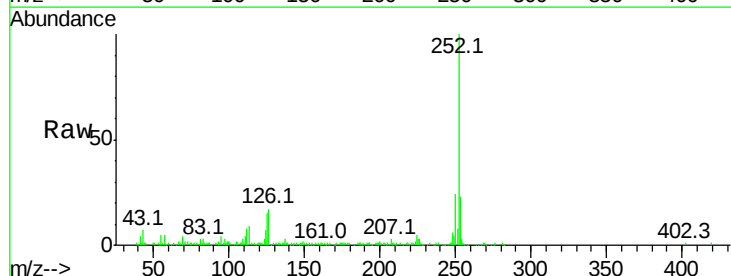
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.5	26.3

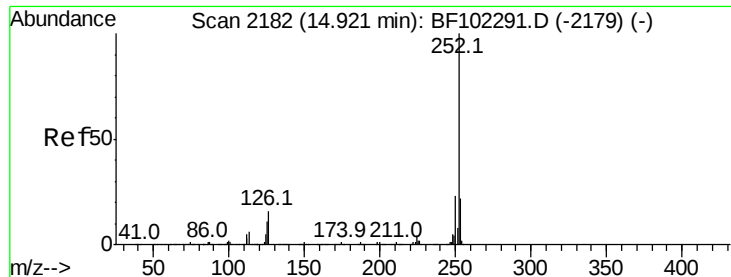


#87
Benzo(b)fluoranthene
Concen: 10.222 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Tgt Ion:252 Resp: 200867

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	15.3	9.0	13.6

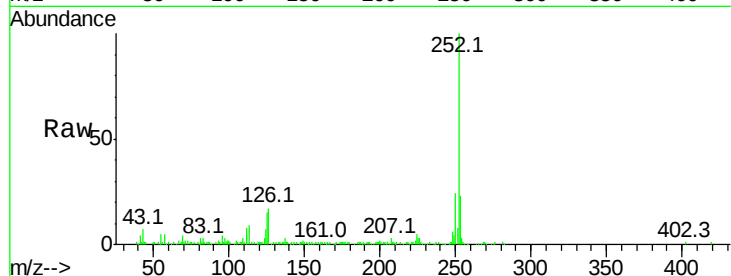




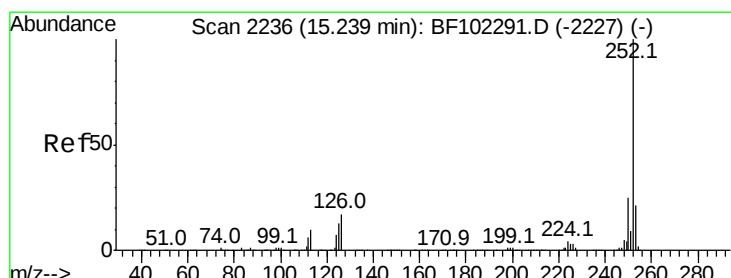
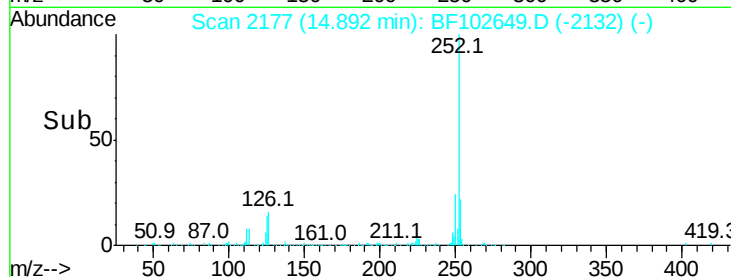
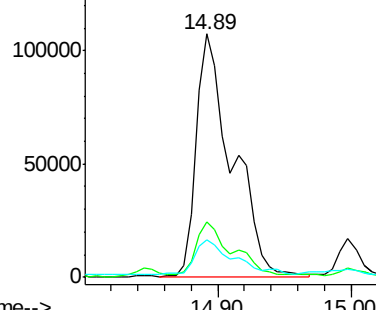
#88
Benzo(k)fluoranthene
Concen: 10.820 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.04 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	15.3	10.2	15.2#

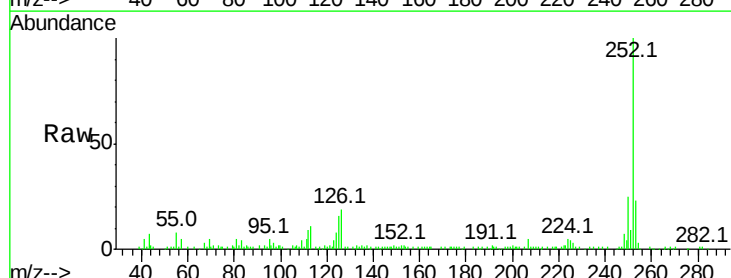


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

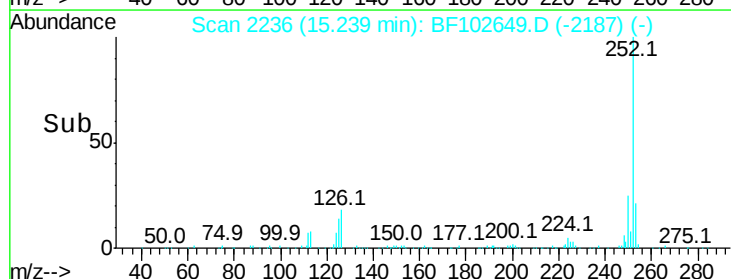
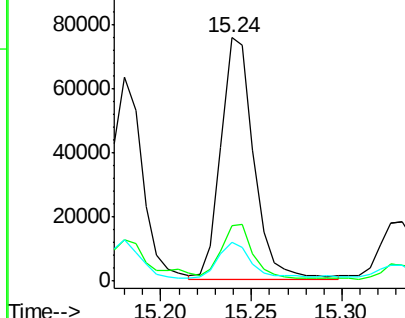


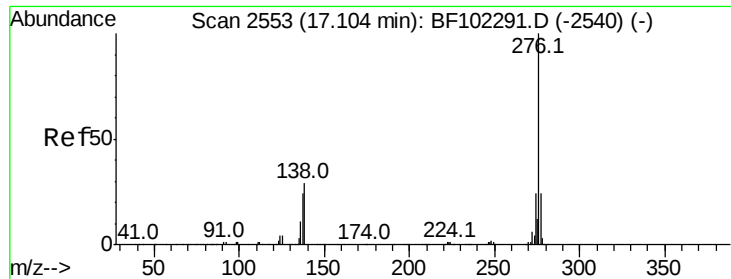
#89
Benzo(a)pyrene
Concen: 5.394 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	15.8	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: 5.354 ng
 RT: 17.13 min Scan# 2557
 Delta R.T. -0.01 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9#
138	31.0	21.8	32.8

