

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
 Data File : BF111838.D
 Acq On : 3 Jan 2019 23:05
 Operator : JU/SJ
 Sample : K1019-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 01:35:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	240893	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	889266	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	412337	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	601419	20.00	ng	0.01
76) Chrysene-d12	14.07	240	458319	20.00	ng	0.02
87) Perylene-d12	15.56	264	315509	20.00	ng	0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	1338481	94.71	ng	0.02
7) Phenol-d6	6.55	99	1790013	99.52	ng	0.02
23) Nitrobenzene-d5	7.46	82	1089360	71.31	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	347907	71.41	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	2018113	71.34	ng	0.00
79) Terphenyl-d14	13.01	244	1483031	61.36	ng	0.01

Target Compounds

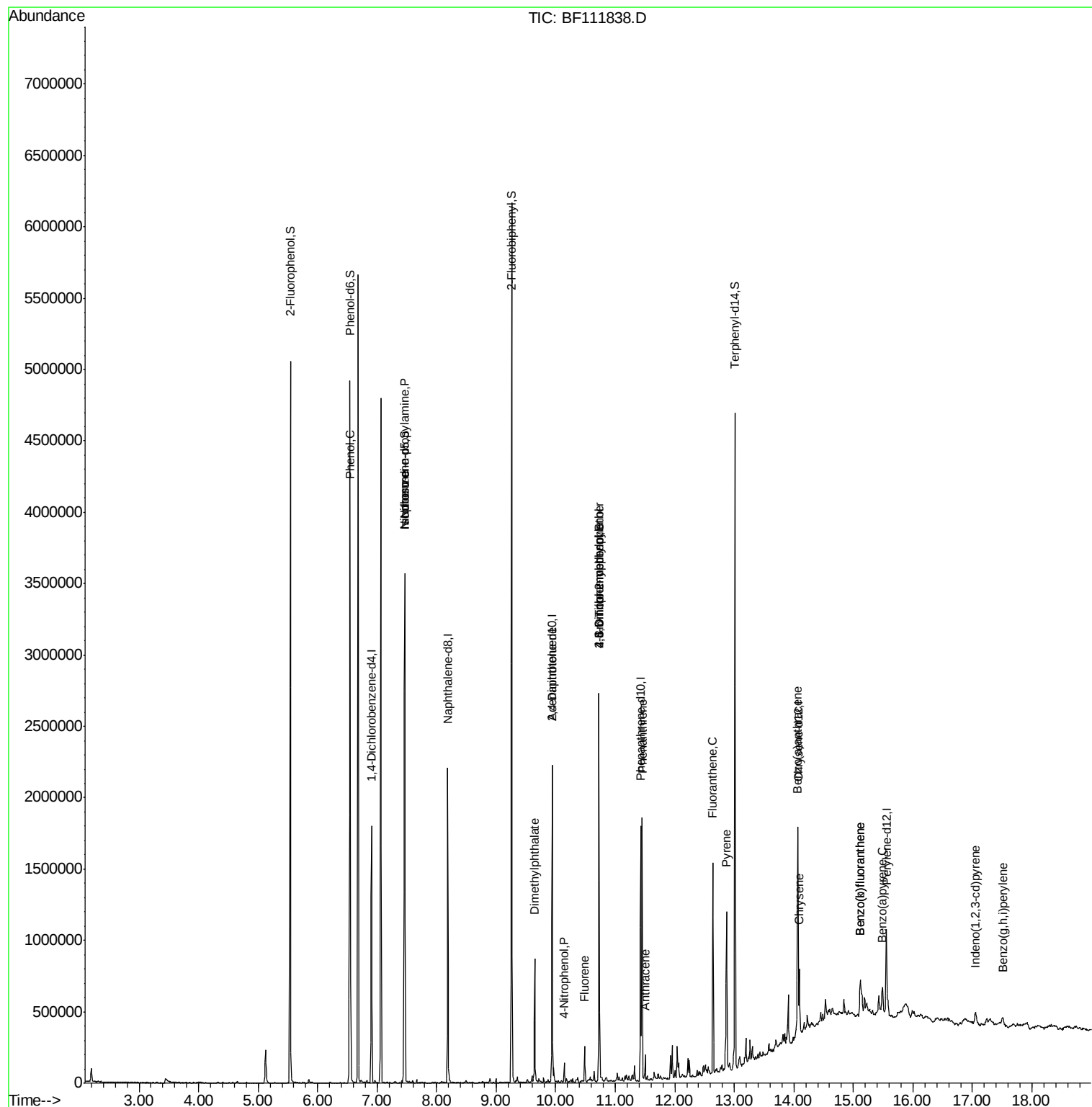
						Qvalue
10) Phenol	6.56	94	82102	4.046	ng	96
19) n-Nitroso-di-n-propylamine	7.46	70	149208	12.492	ng	# 77
25) Isophorone	7.46	82	1085840	40.036	ng	# 64
50) Dimethylphthalate	9.65	163	329553	10.929	ng	98
56) 4-Nitrophenol	10.15	139	16331	3.337	ng	# 9
57) 2,4-Dinitrotoluene	9.94	165	54318	7.517	ng	# 25
58) Fluorene	10.49	166	62988	2.330	ng	100
65) 4,6-Dinitro-2-methylphenol	10.73	198	732	6.946	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	21326	2.859	ng	# 1
71) Phenanthrene	11.45	178	614823	19.276	ng	94
72) Anthracene	11.50	178	73225	2.287	ng	93
75) Fluoranthene	12.64	202	551474	17.074	ng	96
78) Pvrene	12.87	202	434573	13.427	ng	95
81) Benzo(a)anthracene	14.06	228	172807	6.607	ng	97
83) Chrysene	14.09	228	158280	6.157	ng	99
86) Indeno(1,2,3-cd)pyrene	17.05	276	46944	2.148	ng	# 87
88) Benzo(b)fluoranthene	15.12	252	185014	10.033	ng	96
89) Benzo(k)fluoranthene	15.12	252	185014	10.539	ng	# 95
90) Benzo(a)pvrene	15.49	252	89536	5.345	ng	97
92) Benzo(a,h,i)perylene	17.50	276	42845	2.991	ng	# 91

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

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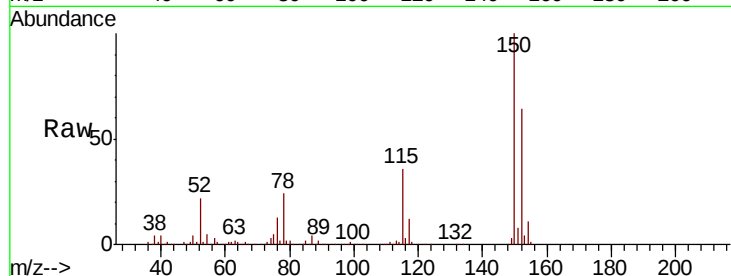


#1

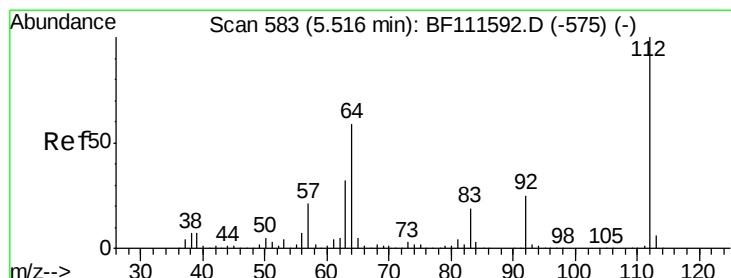
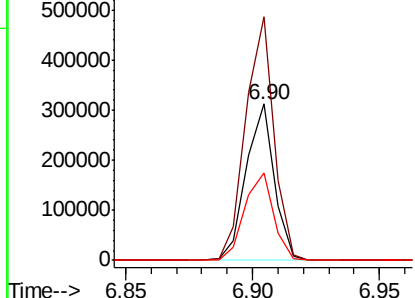
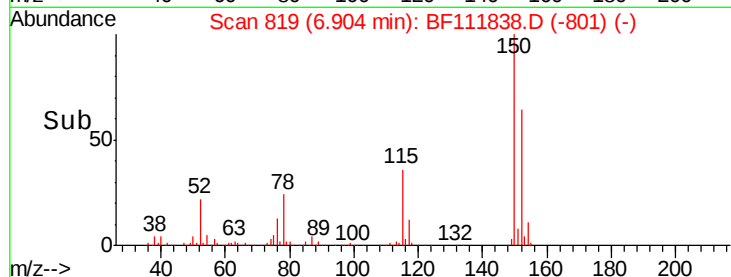
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 240893
Ion Ratio Lower Upper
152 100
150 155.7 126.6 189.8
115 55.6 50.7 76.1



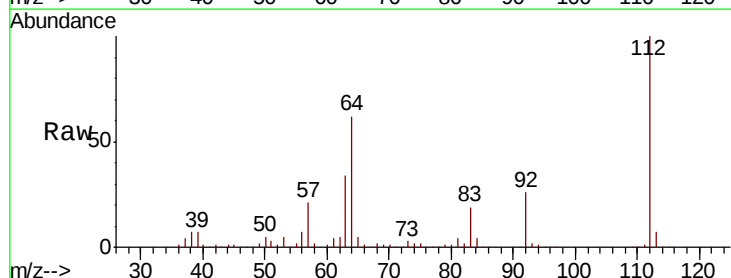
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



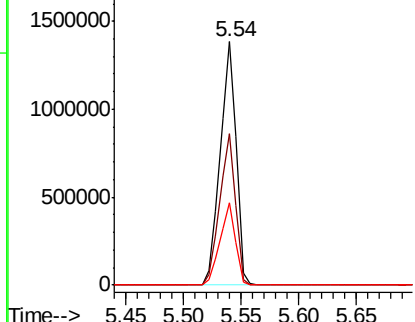
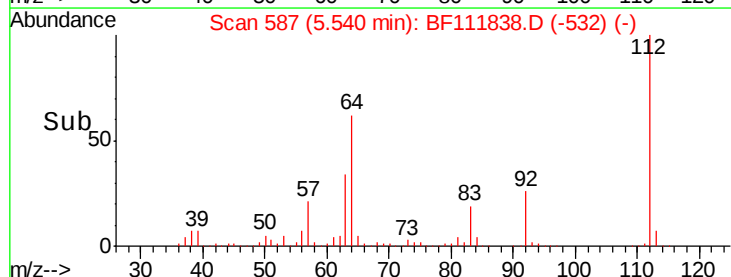
#5

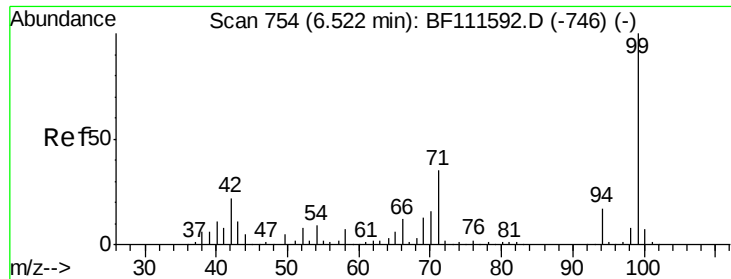
2-Fluorophenol
Concen: 94.709 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

Tgt Ion:112 Resp: 1338481
Ion Ratio Lower Upper
112 100
64 62.1 51.8 77.6
63 33.9 26.8 40.2



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: 99.524 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111838.D

Acq: 3 Jan 2019 23:05

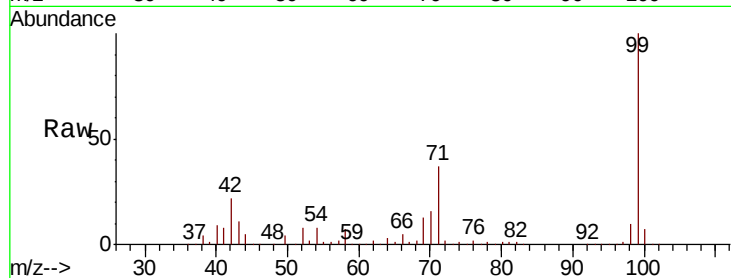
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1790013

Ion	Ratio	Lower	Upper
99	100		
42	22.0	17.4	26.0
71	36.7	26.1	39.1

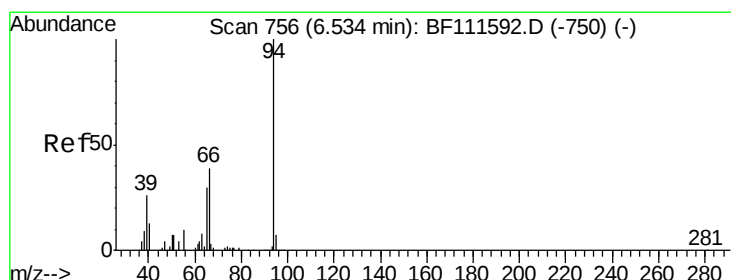
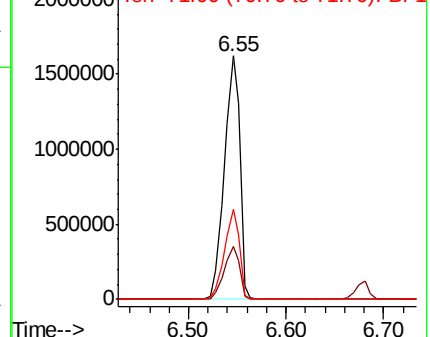
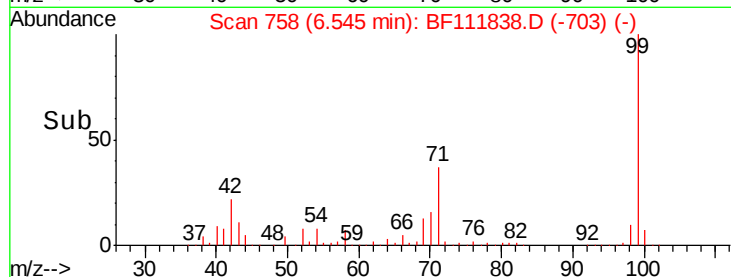


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.046 ng

RT: 6.56 min Scan# 760

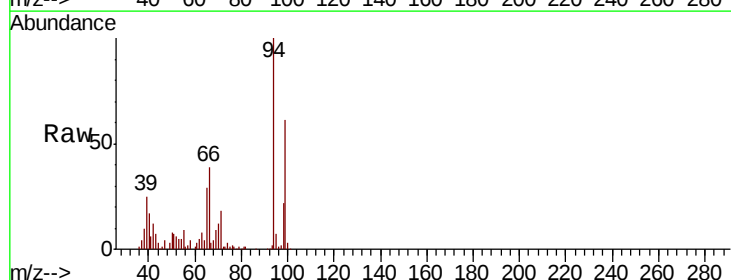
Delta R.T. 0.02 min

Lab File: BF111838.D

Acq: 3 Jan 2019 23:05

Tgt Ion: 94 Resp: 82102

Ion	Ratio	Lower	Upper
94	100		
65	28.8	11.7	51.7
66	39.4	21.0	61.0

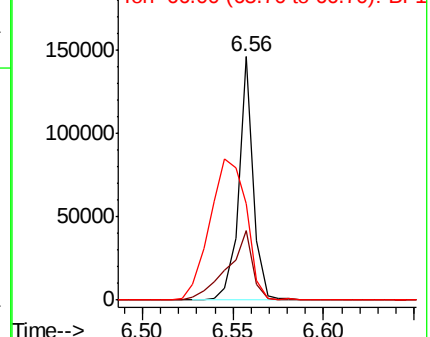
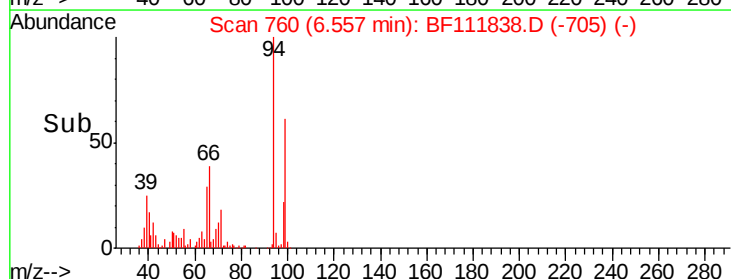


Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

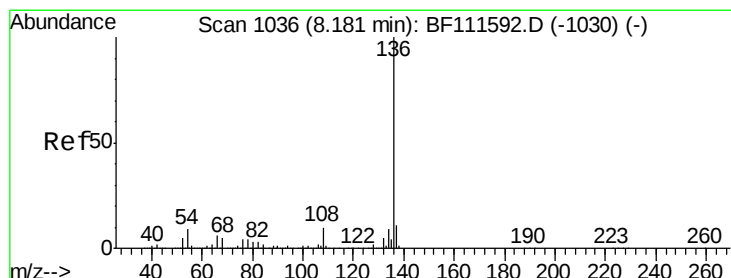
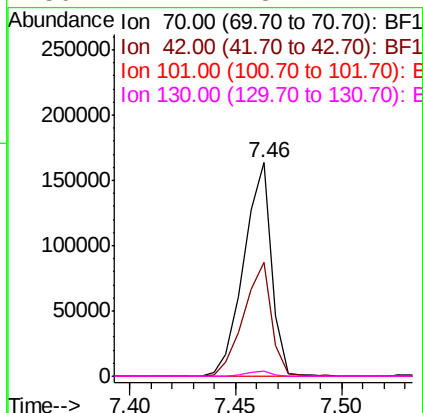
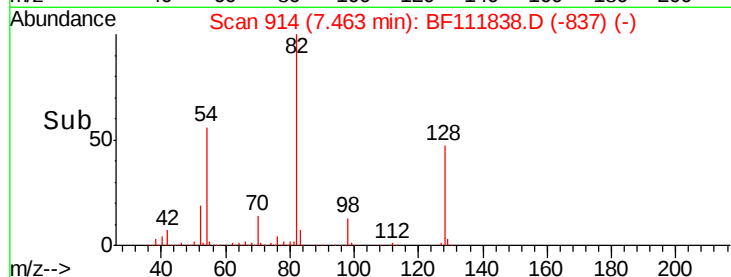
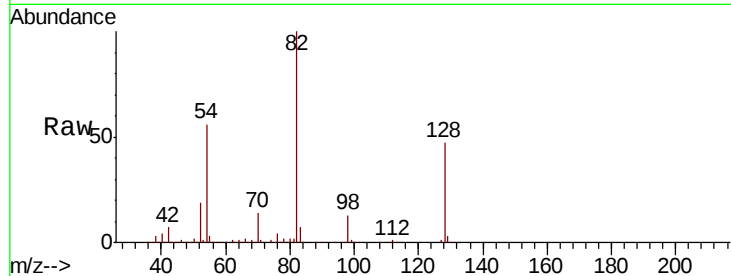




#19
n-Nitroso-di-n-propylamine
Concen: 12.492 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.15 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

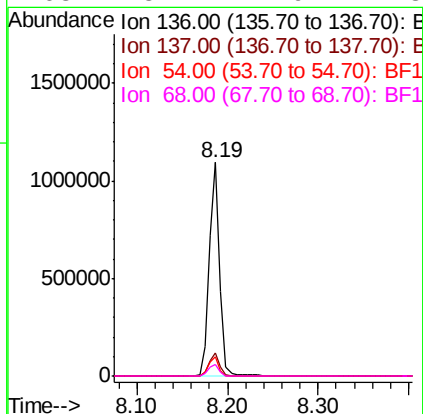
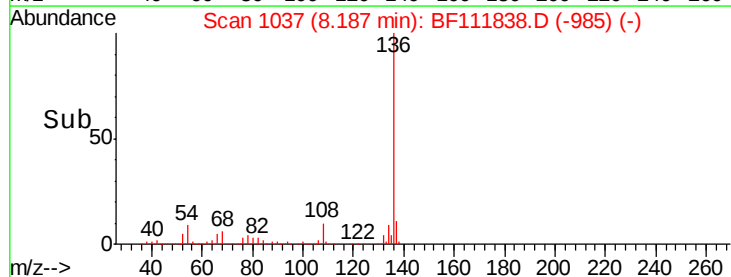
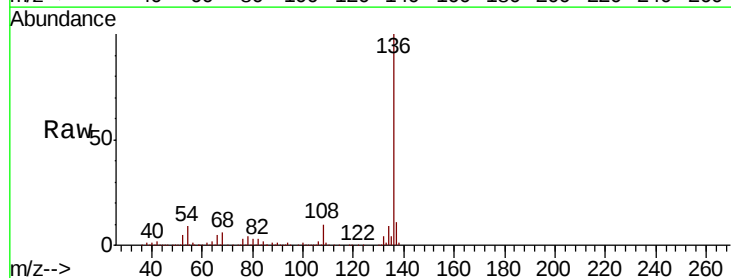
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 149208
Ion Ratio Lower Upper
70 100
42 53.5 53.2 79.8
101 0.0 8.2 12.4#
130 2.1 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

Tgt Ion:136 Resp: 889266
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 8.8 7.7 11.5
68 5.7 4.9 7.3

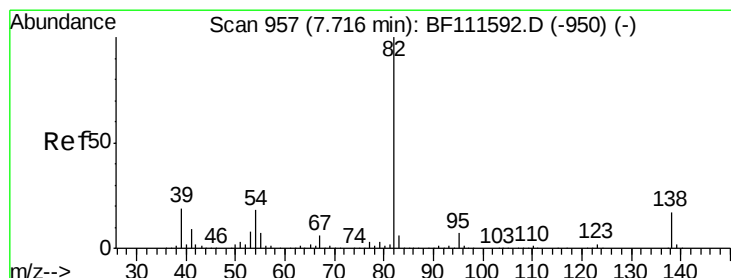
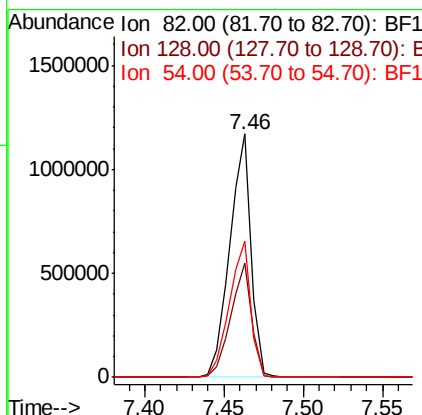
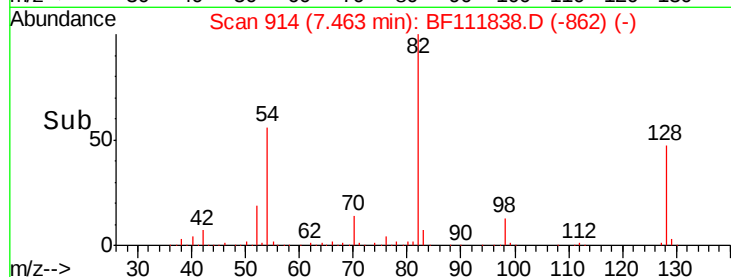
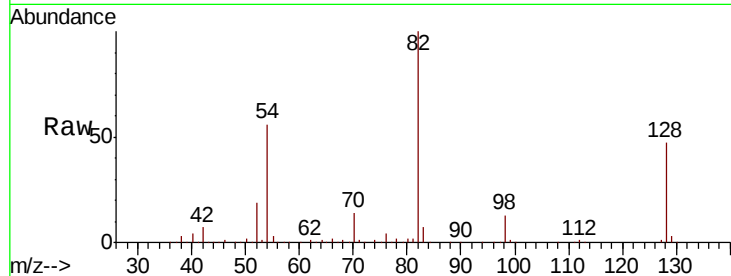




#23
 Nitrobenzene-d5
 Concen: 71.305 ng
 RT: 7.46 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: BF111838.D
 Acq: 3 Jan 2019 23:05

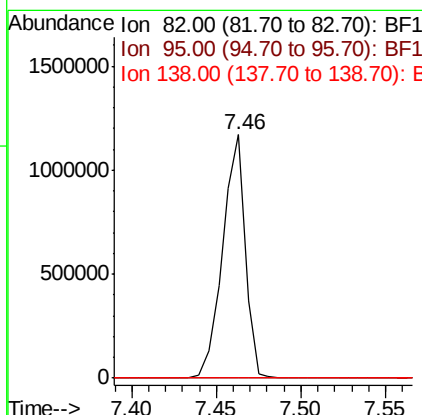
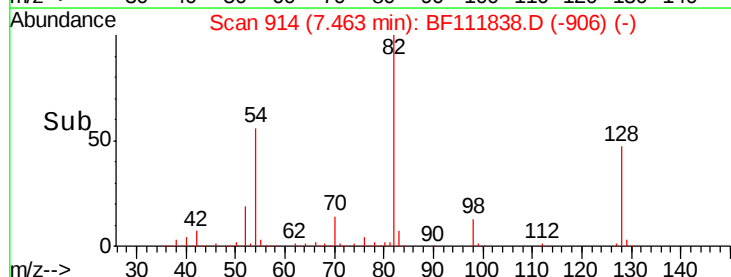
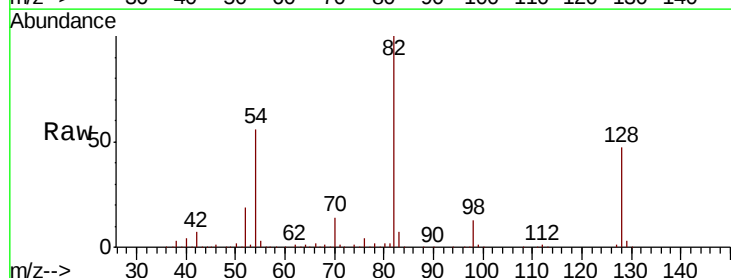
Instrument :
 BNA_F
 ClientSampleID :

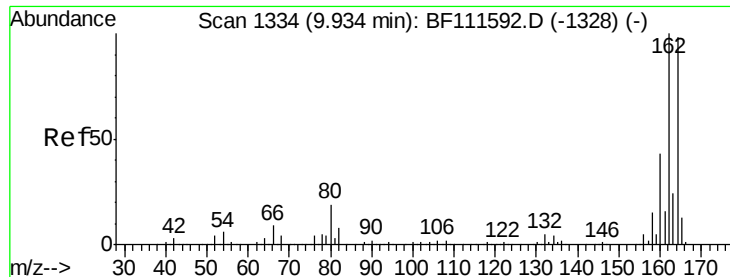
Tot Ion: 82 Resp: 1089360
 Ion Ratio Lower Upper
 82 100
 128 46.8 37.4 56.2
 54 56.2 47.6 71.4



#25
 Isophorone
 Concen: 40.036 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.25 min
 Lab File: BF111838.D
 Acq: 3 Jan 2019 23:05

Tgt Ion: 82 Resp: 1085840
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF111838.D

Acq: 3 Jan 2019 23:05

Instrument :

BNA_F

ClientSampleId :

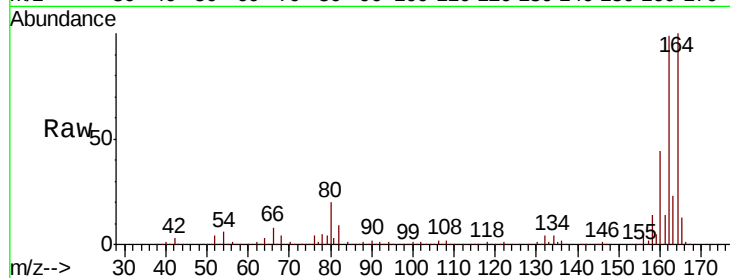
Tot Ion:164 Resp: 412337

Ion Ratio Lower Upper

164 100

162 99.3 81.4 122.0

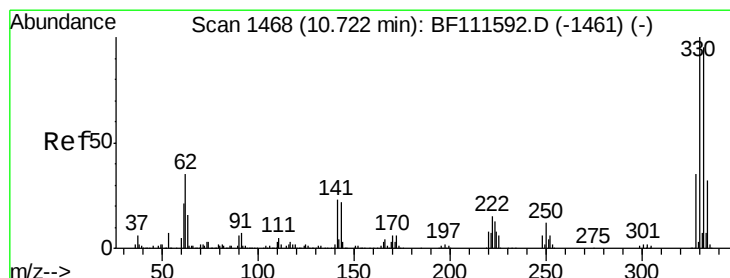
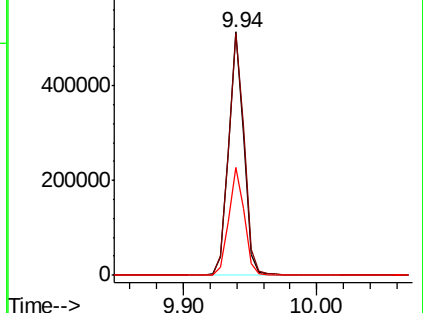
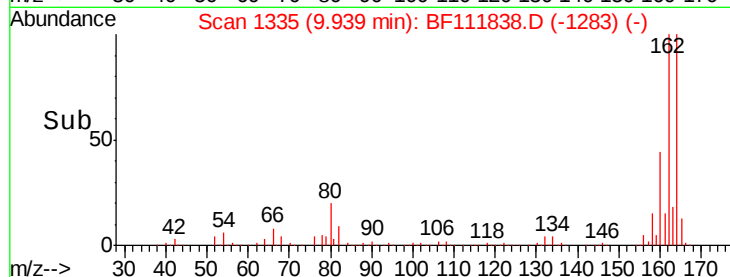
160 44.2 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 71.408 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.01 min

Lab File: BF111838.D

Acq: 3 Jan 2019 23:05

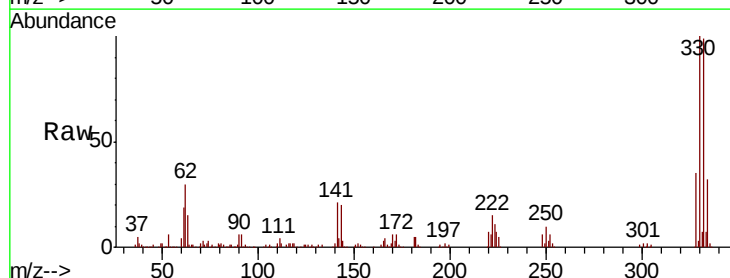
Tgt Ion:330 Resp: 347907

Ion Ratio Lower Upper

330 100

332 97.0 76.0 114.0

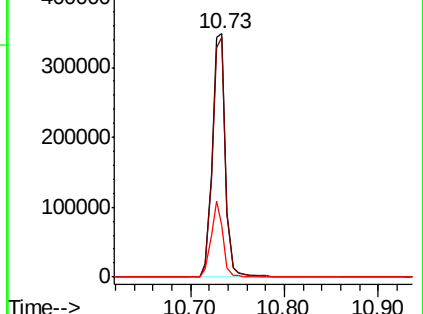
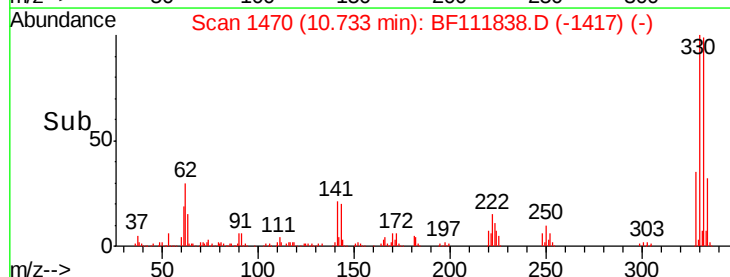
141 28.1 31.0 46.6#

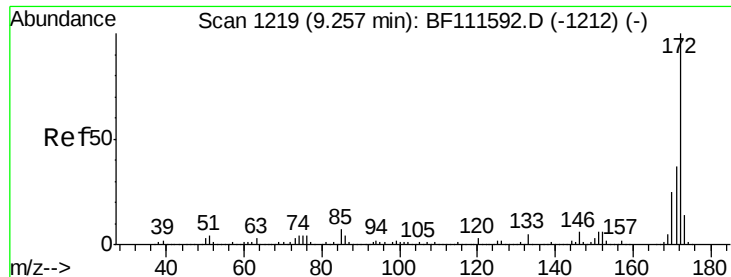


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

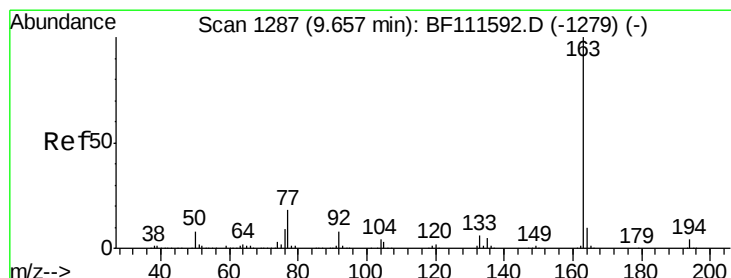
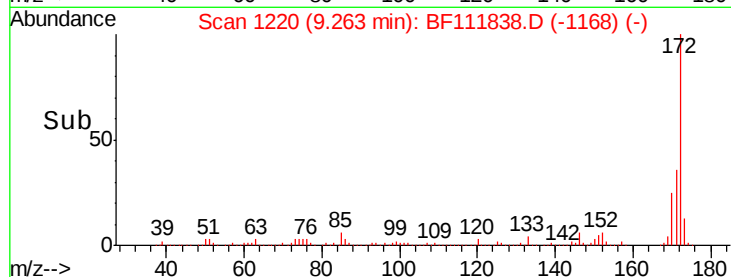
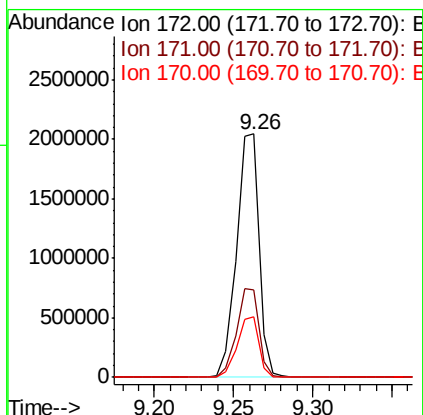
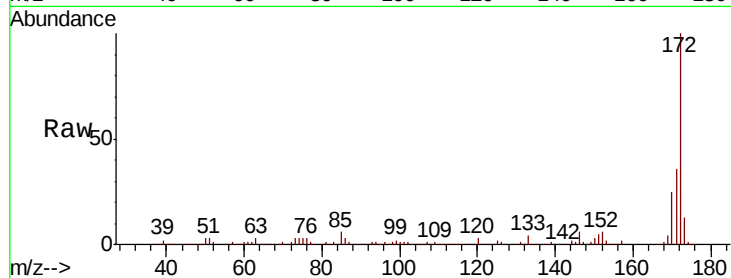




#45
2-Fluorobiphenyl
Concen: 71.339 ng
RT: 9.26 min Scan# 1220
Delta R.T. 0.01 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

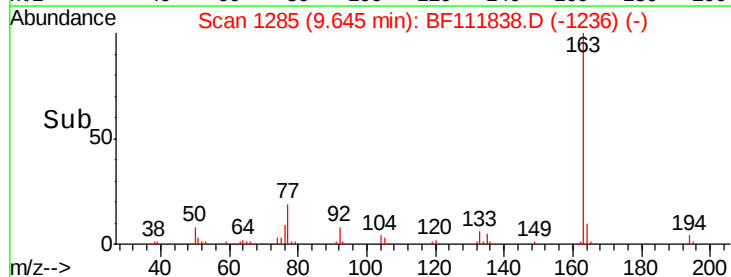
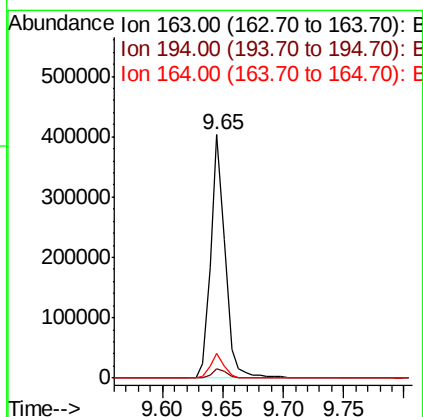
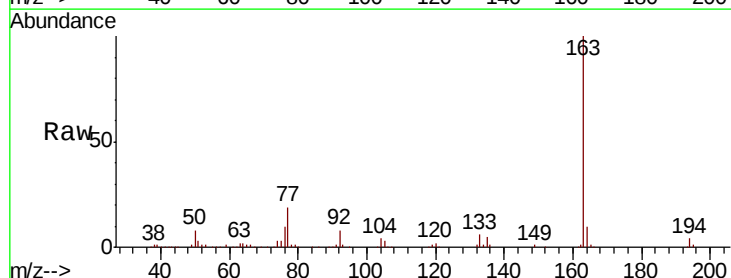
Instrument :
BNA_F
ClientSampled :

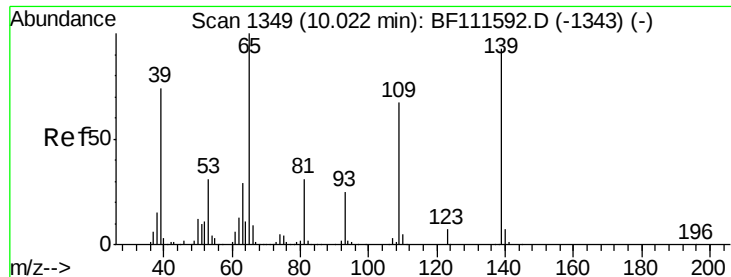
Tot Ion:172 Resp: 2018113
Ion Ratio Lower Upper
172 100
171 36.1 33.0 49.4
170 24.8 22.3 33.5



#50
Dimethylphthalate
Concen: 10.929 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

Tgt Ion:163 Resp: 329553
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 9.9 8.9 13.3

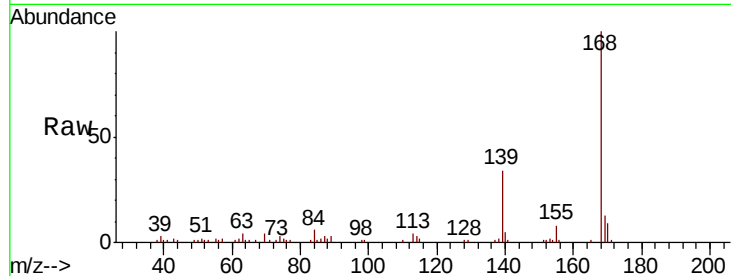




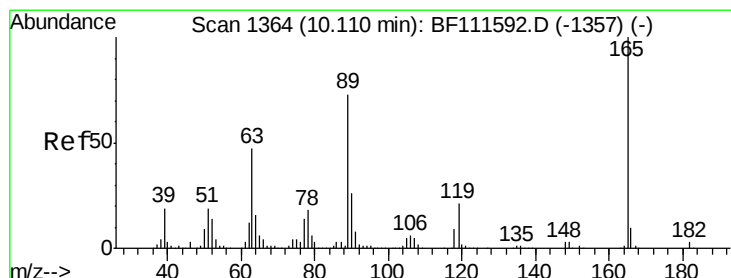
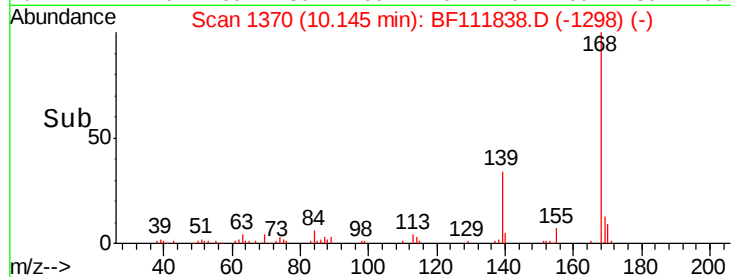
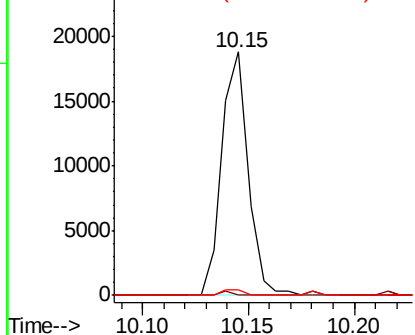
#56
4-Nitrophenol
Concen: 3.337 ng
RT: 10.15 min Scan# 1370
Delta R.T. 0.12 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 16331
Ion Ratio Lower Upper
139 100
109 0.0 41.8 81.8#
65 2.5 79.6 119.6#

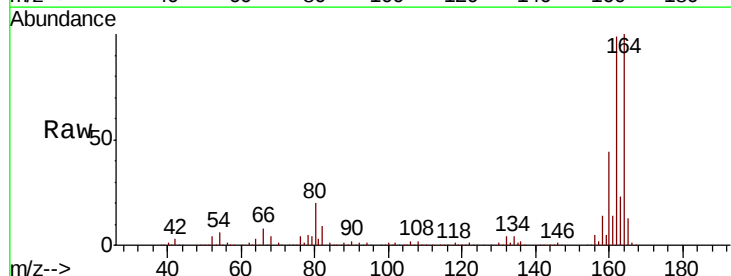


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

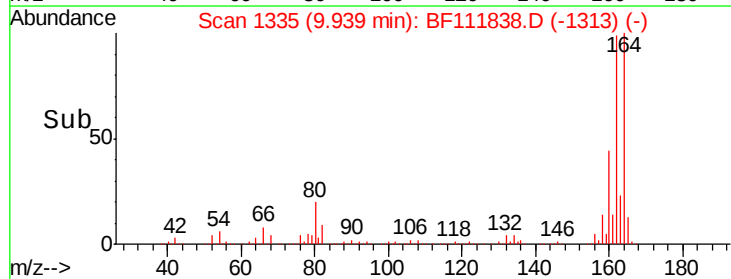
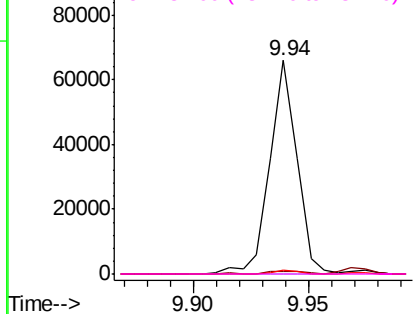


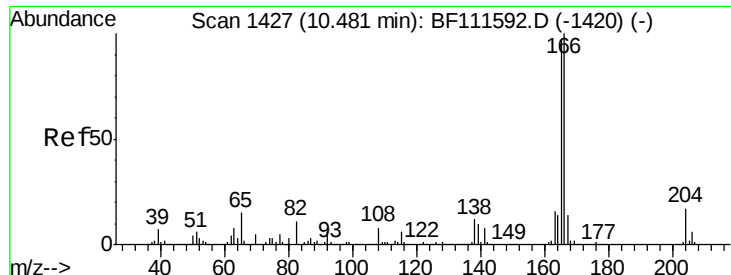
#57
2,4-Dinitrotoluene
Concen: 7.517 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.17 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

Tgt Ion:165 Resp: 54318
Ion Ratio Lower Upper
165 100
63 1.2 34.6 52.0#
89 1.7 56.2 84.4#
182 0.0 1.8 2.6#



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

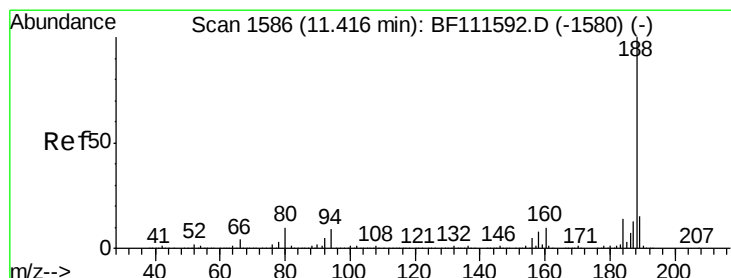
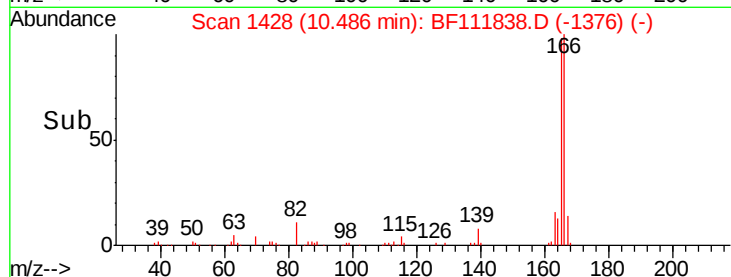
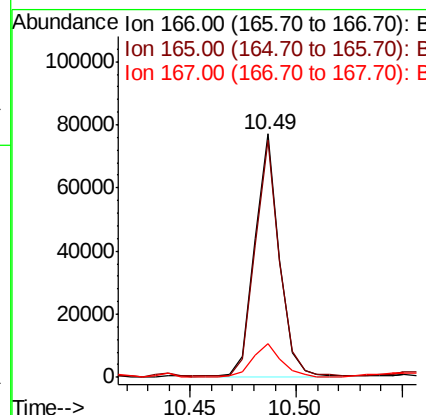
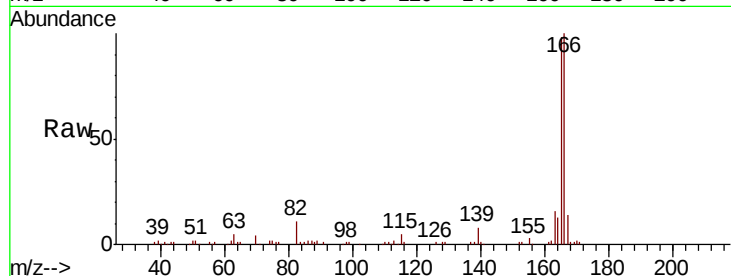




#58
 Fluorene
 Concen: 2.330 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: BF111838.D
 Acq: 3 Jan 2019 23:05

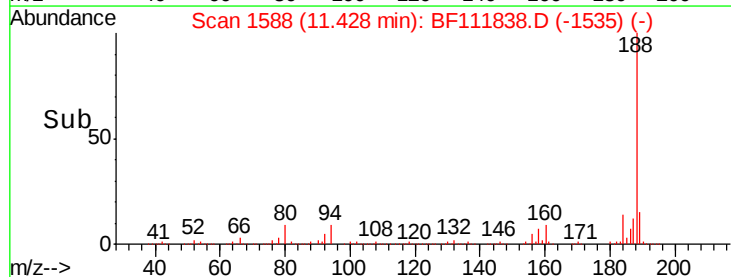
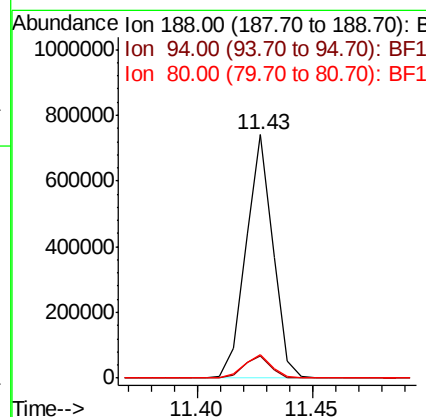
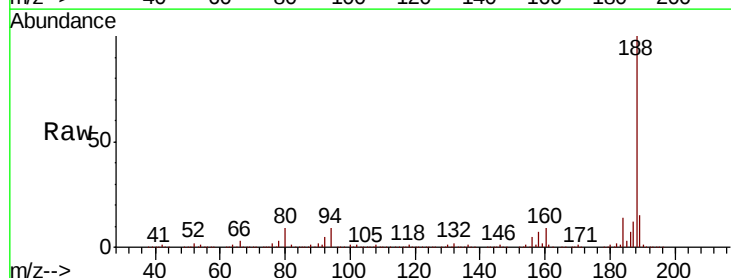
Instrument :
 BNA_F
 ClientSampleId :

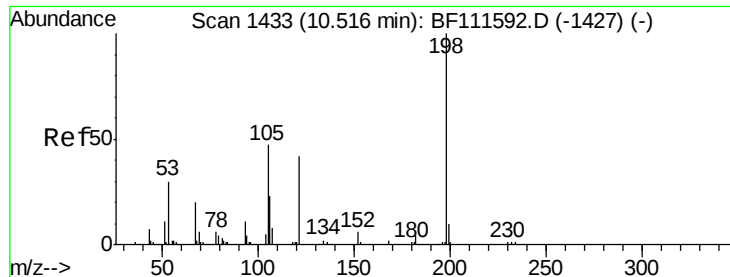
Tot Ion:166 Resp: 62988
 Ion Ratio Lower Upper
 166 100
 165 97.6 78.4 117.6
 167 13.7 11.2 16.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF111838.D
 Acq: 3 Jan 2019 23:05

Tgt Ion:188 Resp: 601419
 Ion Ratio Lower Upper
 188 100
 94 9.0 9.6 14.4#
 80 9.4 9.8 14.6#





#65

4,6-Dinitro-2-methylphenol

Concen: 6.946 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.21 min

Lab File: BF111838.D

Acq: 3 Jan 2019 23:05

Instrument :

BNA_F

ClientSampleId :

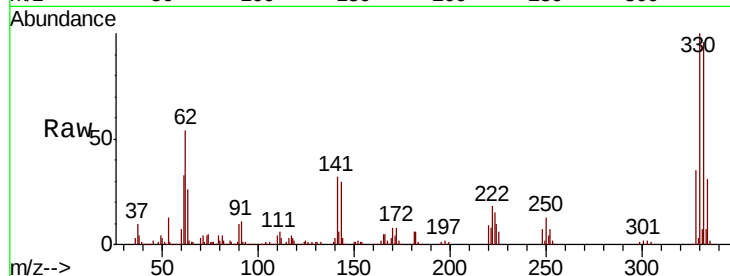
Tot Ion:198 Resp: 732

Ion Ratio Lower Upper

198 100

51 247.1 48.0 88.0#

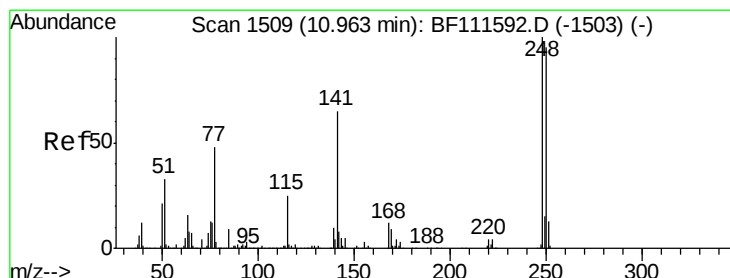
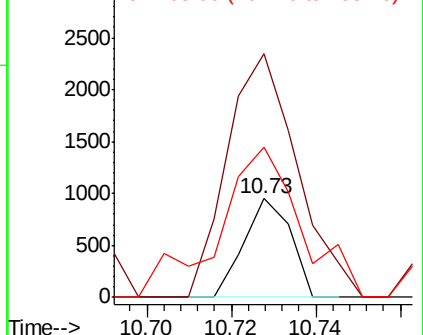
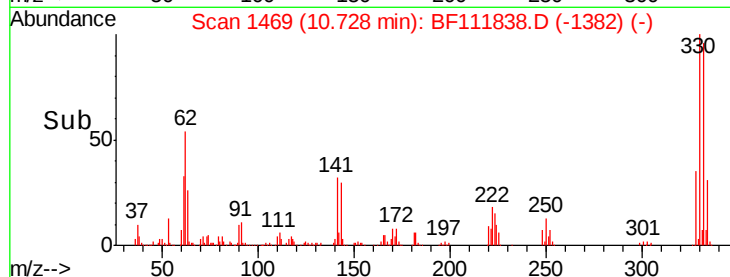
105 151.8 34.0 74.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.859 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.24 min

Lab File: BF111838.D

Acq: 3 Jan 2019 23:05

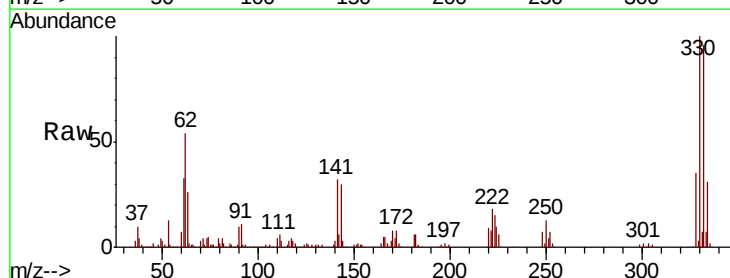
Tgt Ion:248 Resp: 21326

Ion Ratio Lower Upper

248 100

250 203.9 77.0 115.4#

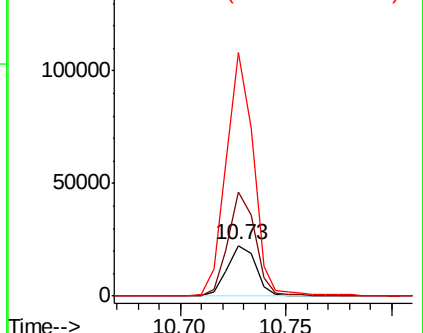
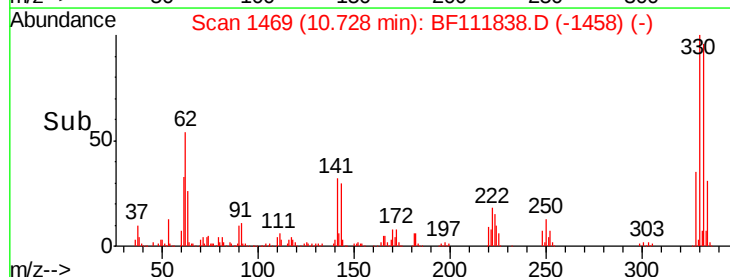
141 477.7 63.0 94.6#

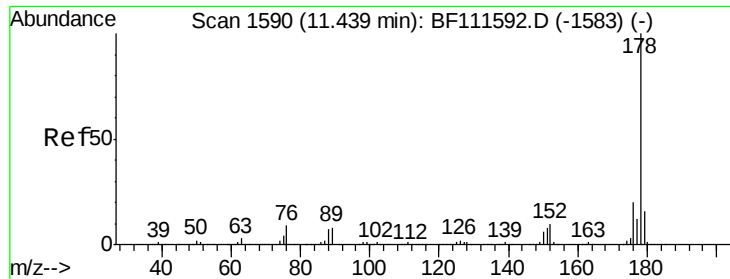


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

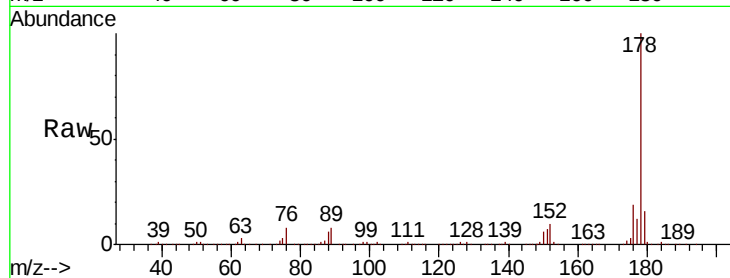




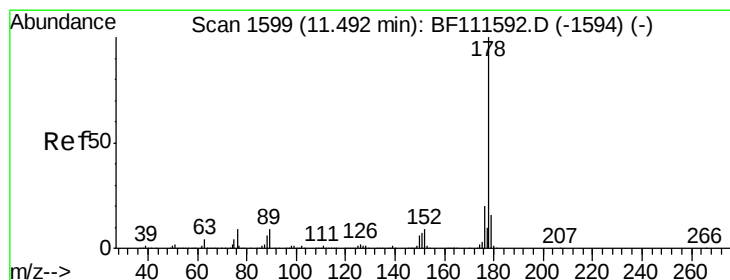
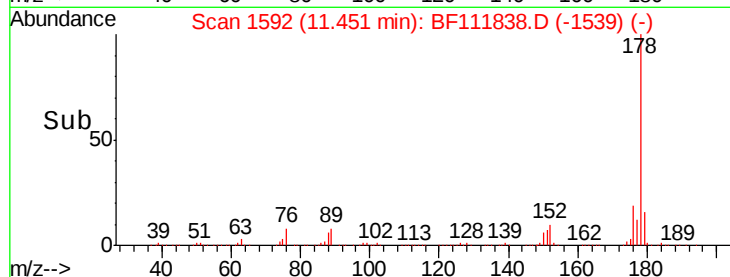
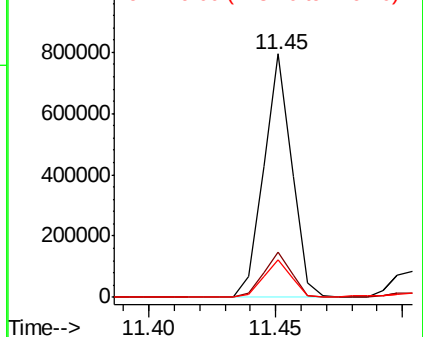
#71
Phenanthrene
Concen: 19.276 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 614823
Ion Ratio Lower Upper
178 100
176 18.7 18.1 27.1
179 15.6 14.0 21.0

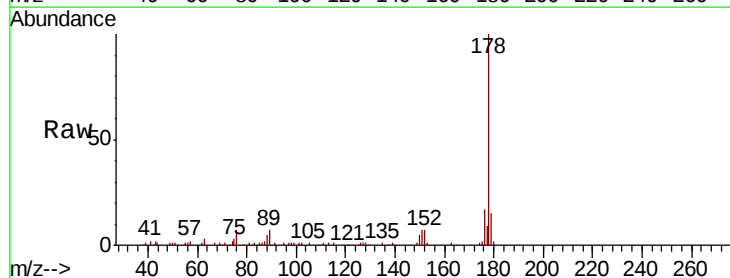


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

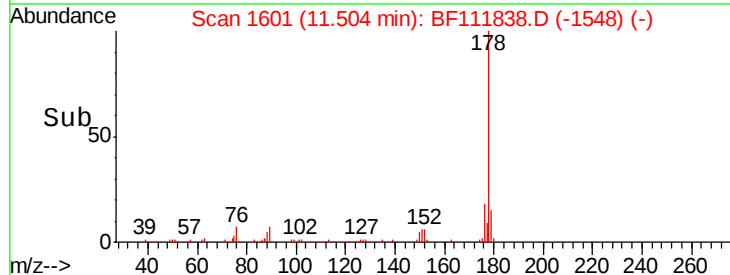
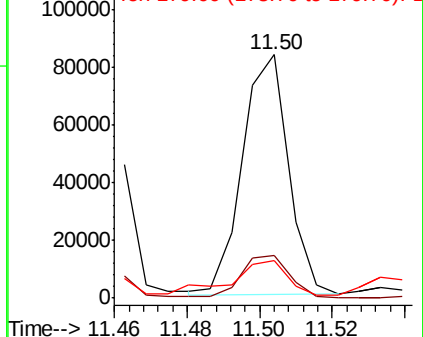


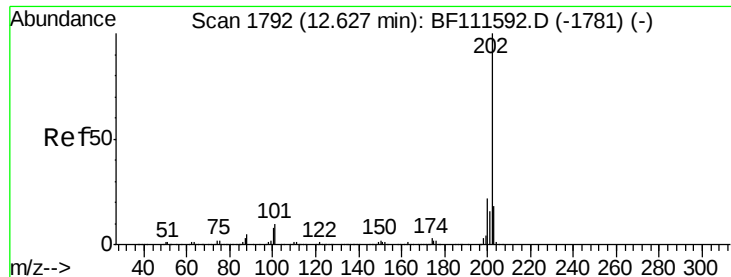
#72
Anthracene
Concen: 2.287 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

Tgt Ion:178 Resp: 73225
Ion Ratio Lower Upper
178 100
176 17.5 17.2 25.8
179 15.2 13.8 20.8



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





#75

Fluoranthene

Concen: 17.074 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111838.D

Acq: 3 Jan 2019 23:05

Instrument :

BNA_F

ClientSampleId :

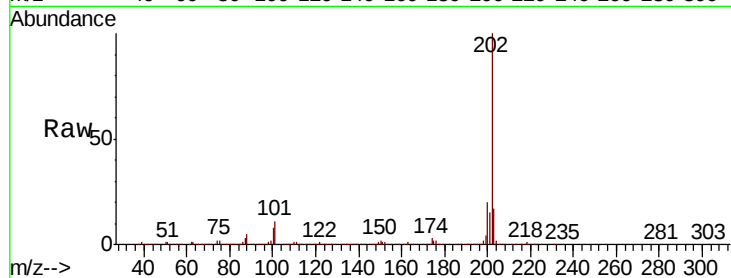
Tot Ion:202 Resp: 551474

Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.8

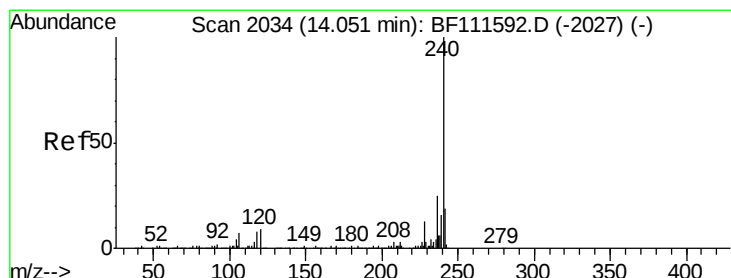
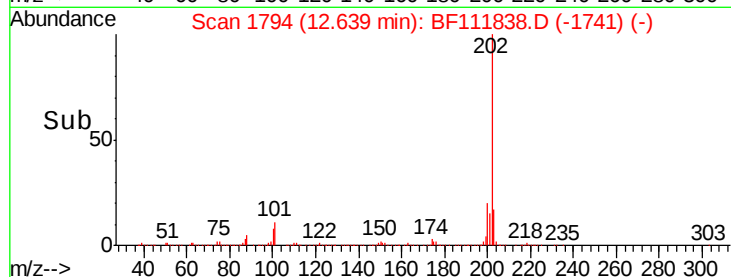
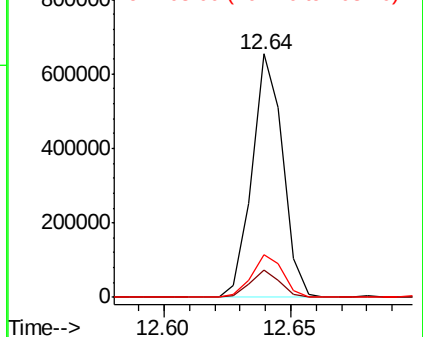
203 17.4 0.0 38.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BF111838.D

Acq: 3 Jan 2019 23:05

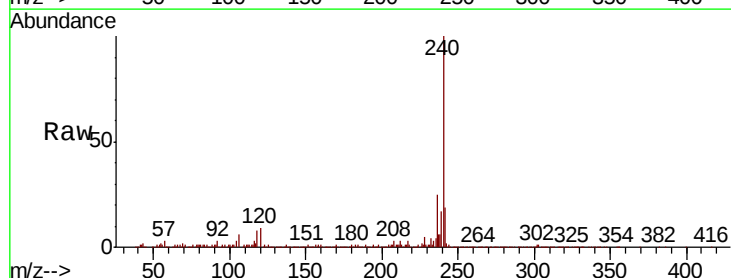
Tgt Ion:240 Resp: 458319

Ion Ratio Lower Upper

240 100

120 9.0 12.2 18.2#

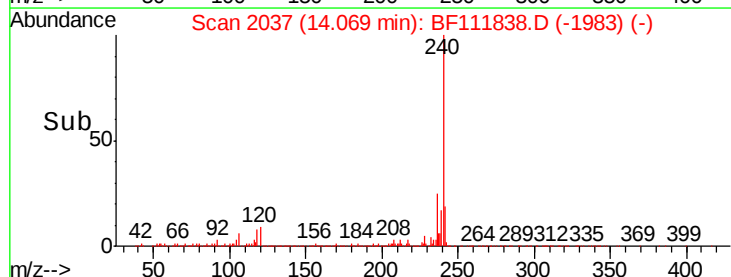
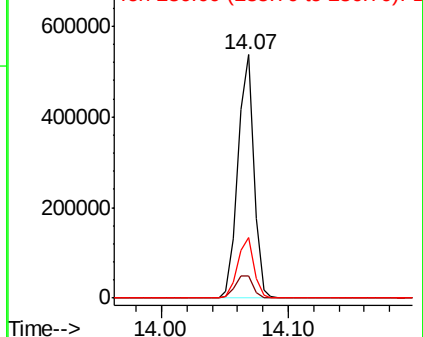
236 25.0 20.2 30.2

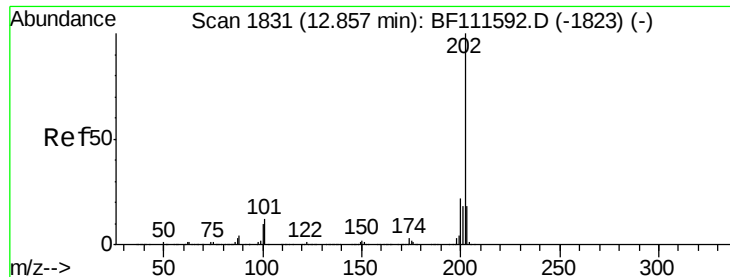


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

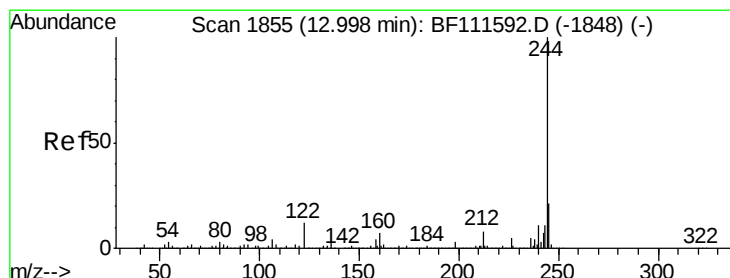
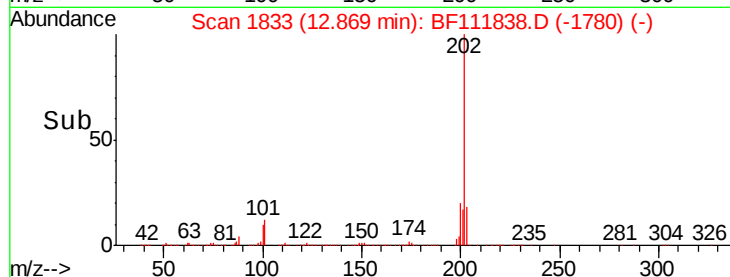
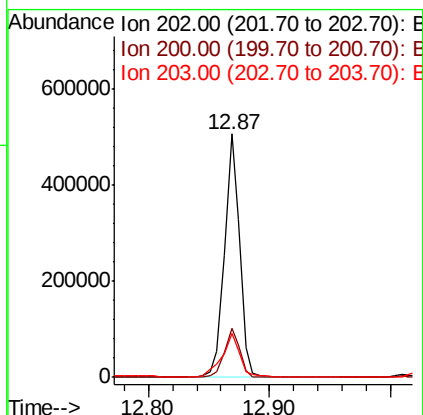
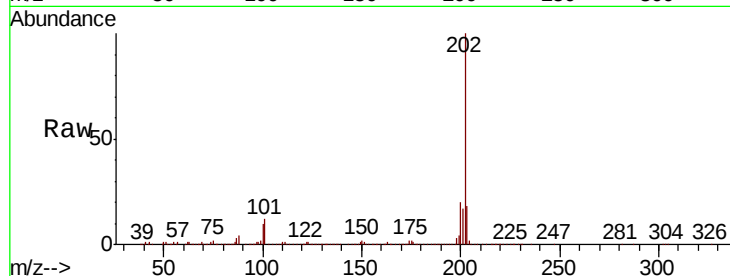




#78
Pvrene
Concen: 13.427 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

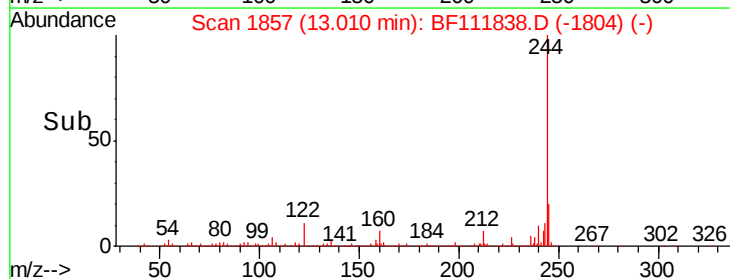
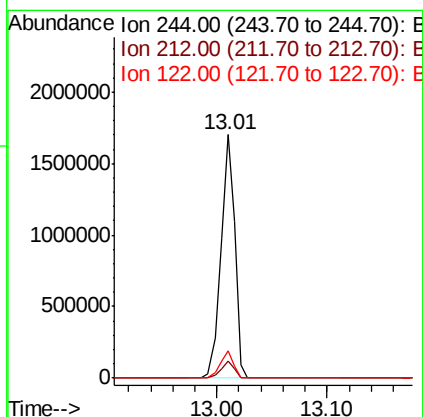
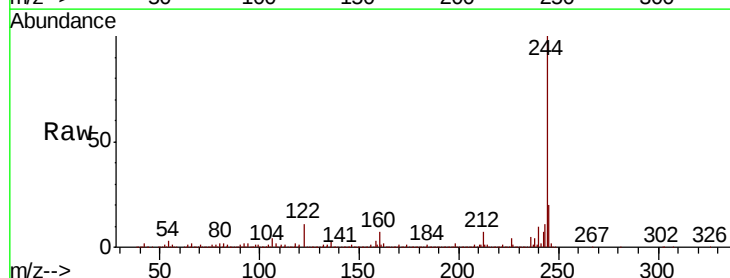
Instrument :
BNA_F
ClientSampleId :

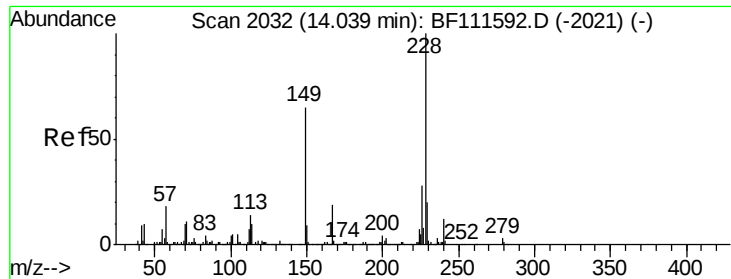
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	19.0	28.4
203	17.8	15.2	22.8



#79
Terphenyl-d14
Concen: 61.364 ng
RT: 13.01 min Scan# 1857
Delta R.T. 0.01 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.0	13.1	19.7





#81

Benzo(a)anthracene

Concen: 6.607 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BF111838.D

Acq: 3 Jan 2019 23:05

Instrument :

BNA_F

ClientSampleId :

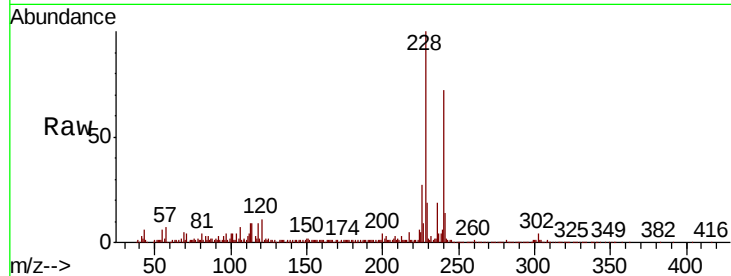
Tot Ion:228 Resp: 172807

Ion Ratio Lower Upper

228 100

226 26.6 22.6 34.0

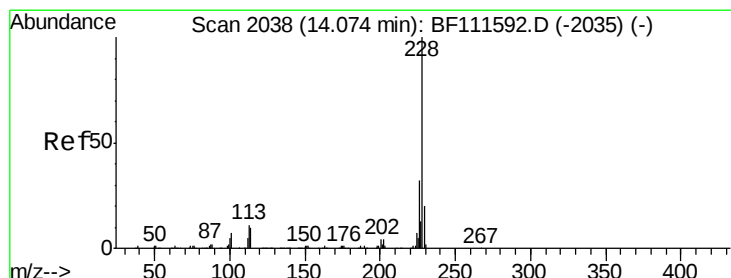
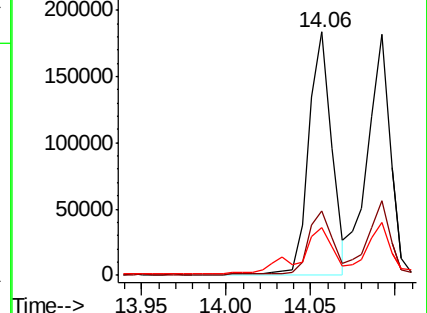
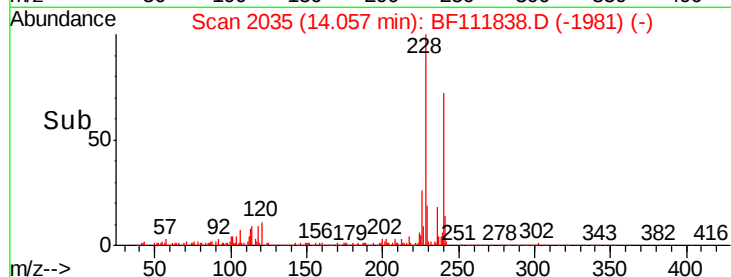
229 19.4 16.3 24.5



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

Chrysene

Concen: 6.157 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.02 min

Lab File: BF111838.D

Acq: 3 Jan 2019 23:05

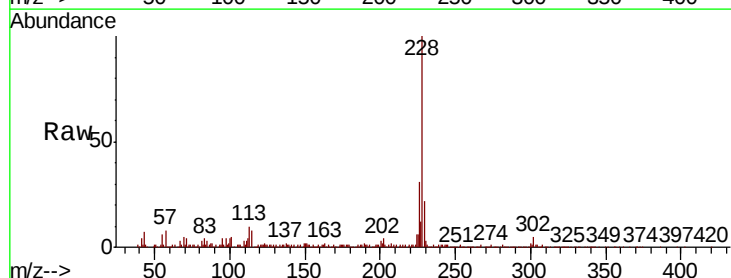
Tgt Ion:228 Resp: 158280

Ion Ratio Lower Upper

228 100

226 31.0 25.3 37.9

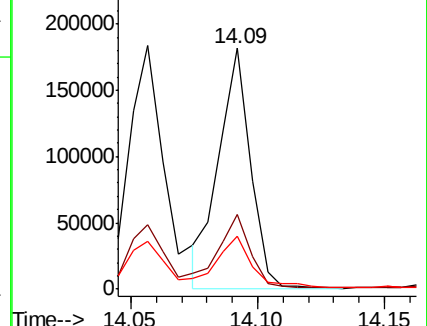
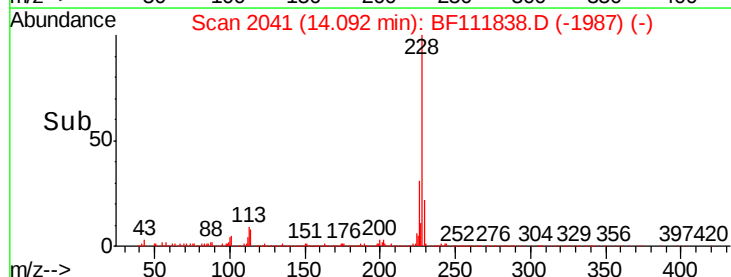
229 22.0 17.2 25.8

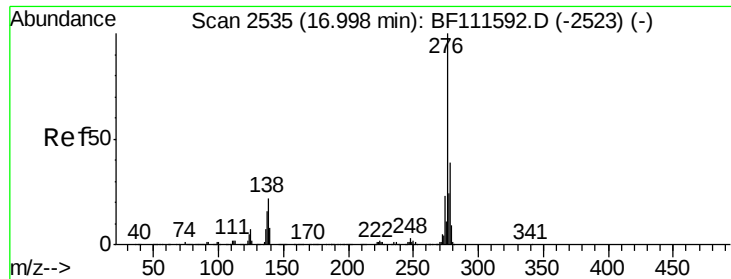


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

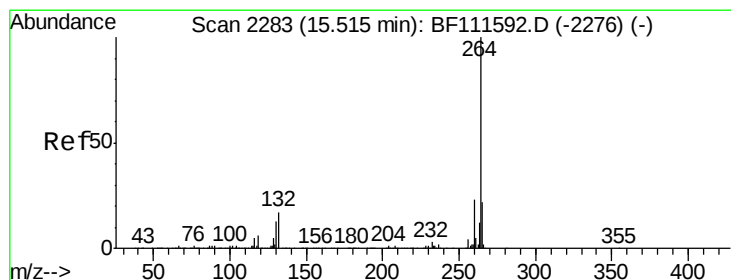
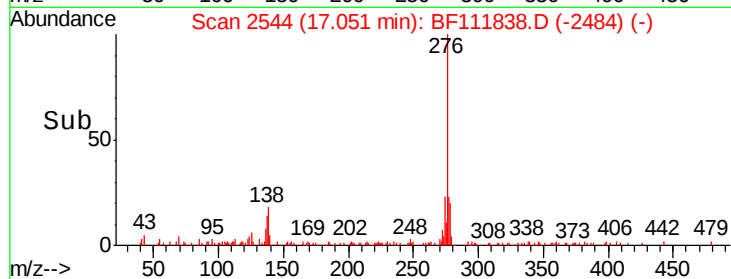
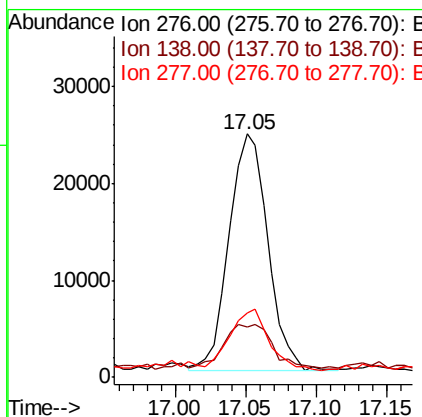
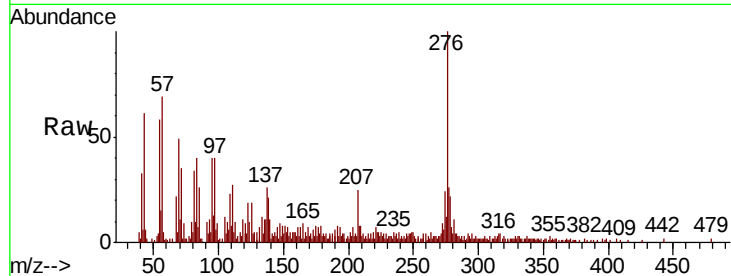




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.148 ng
 RT: 17.05 min Scan# 2544
 Delta R.T. 0.05 min
 Lab File: BF111838.D
 Acq: 3 Jan 2019 23:05

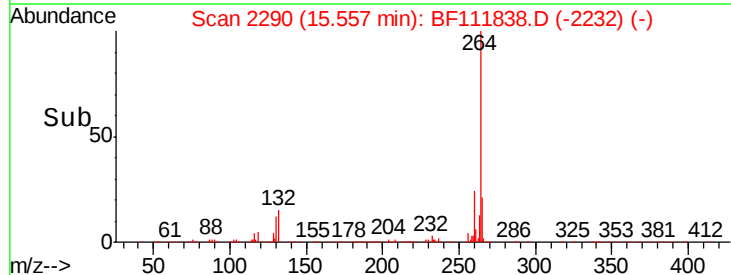
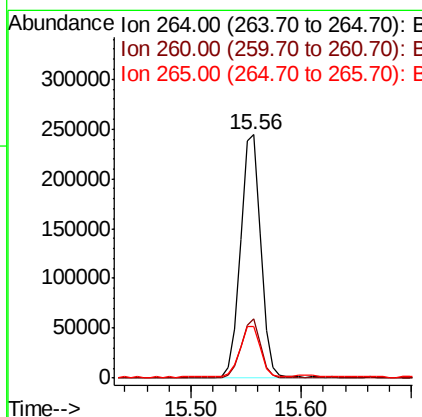
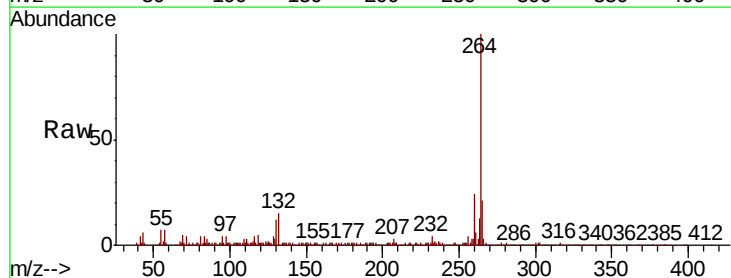
Instrument :
 BNA_F
 ClientSampleId :

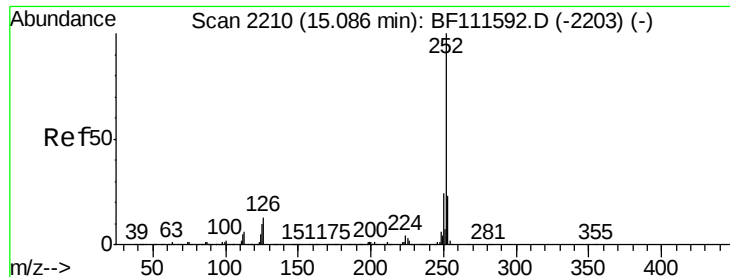
Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	23.1	27.8	41.6	
277	26.3	20.1	30.1	



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2290
 Delta R.T. 0.04 min
 Lab File: BF111838.D
 Acq: 3 Jan 2019 23:05

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.3	18.3	27.5	
265	21.4	17.7	26.5	

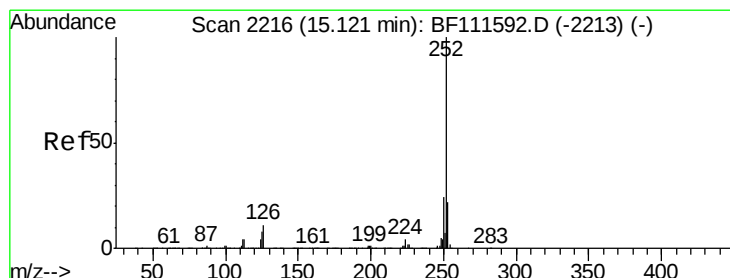
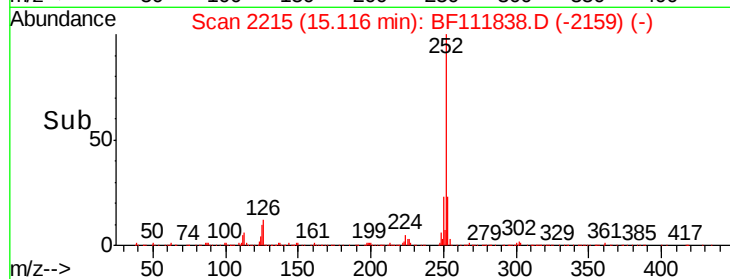
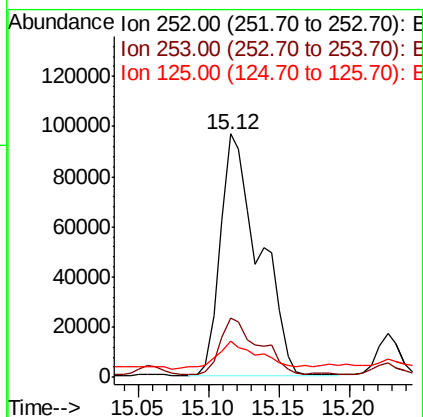
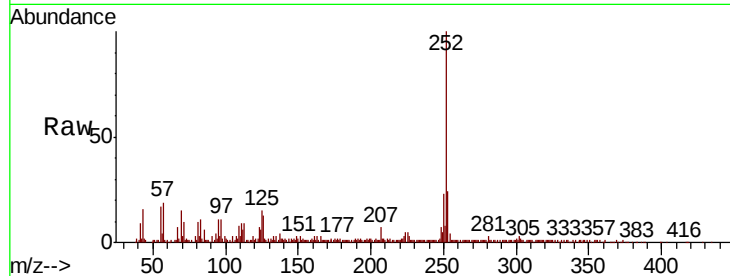




#88
Benzo(b)fluoranthene
Concen: 10.033 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.03 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

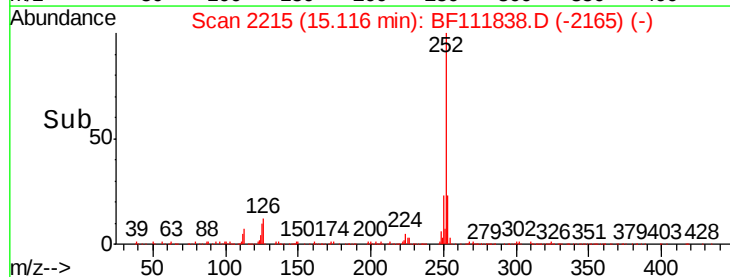
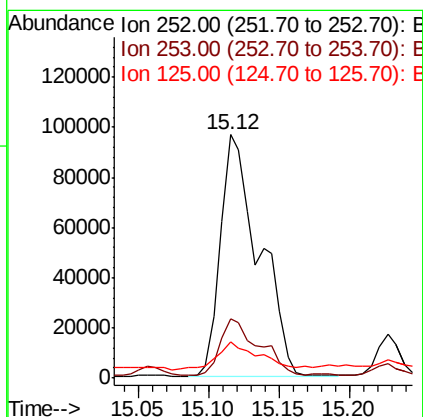
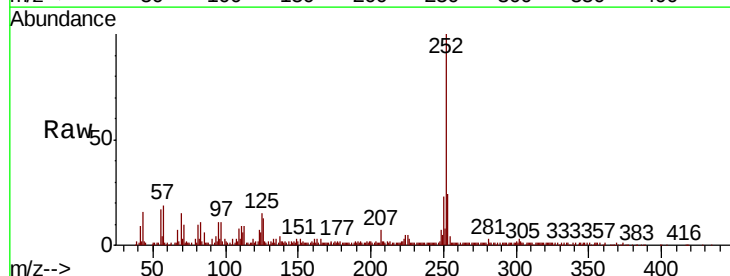
Instrument :
BNA_F
ClientSampleId :

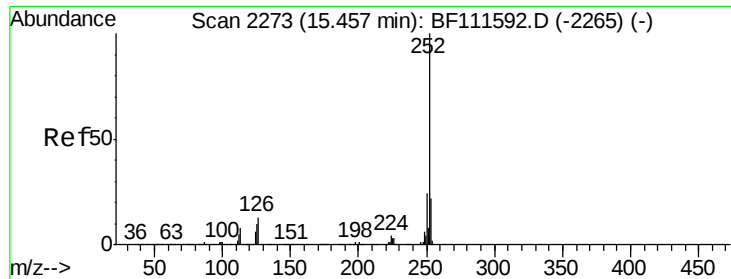
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	14.8	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 10.539 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	14.8	9.8	14.8#

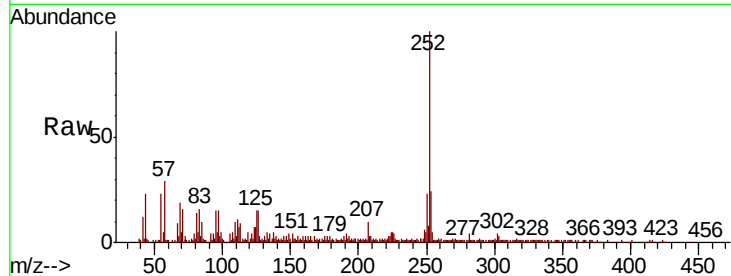




#90
Benzo(a)pyrene
Concen: 5.345 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.03 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	15.1	12.3	18.5

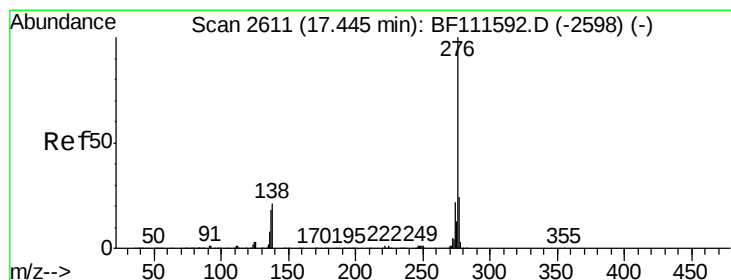
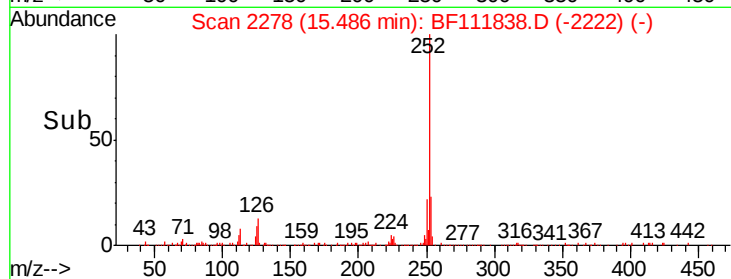
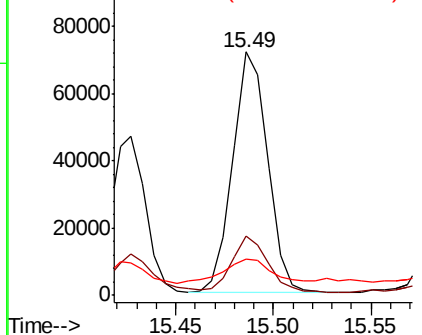


Abundance

Ion 252.00 (251.70 to 252.70): E

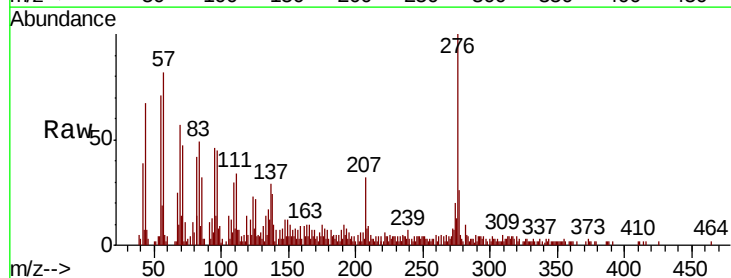
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.991 ng
RT: 17.50 min Scan# 2621
Delta R.T. 0.06 min
Lab File: BF111838.D
Acq: 3 Jan 2019 23:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.2	28.8
138	24.0	24.9	37.3



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

