

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
 Data File : BF111831.D
 Acq On : 3 Jan 2019 19:54
 Operator : JU/SJ
 Sample : K1019-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 01:33:53 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	274360	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1004773	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	437422	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	651220	20.00	ng	0.01
76) Chrysene-d12	14.08	240	419859	20.00	ng	0.03
87) Perylene-d12	15.59	264	308608	20.00	ng	0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	1344897	83.56	ng	0.02
7) Phenol-d6	6.55	99	1758596	85.85	ng	0.02
23) Nitrobenzene-d5	7.46	82	1094371	63.40	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	396590	76.73	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	1793531	59.76	ng	0.00
79) Terphenyl-d14	13.02	244	1245124	56.24	ng	0.02

Target Compounds

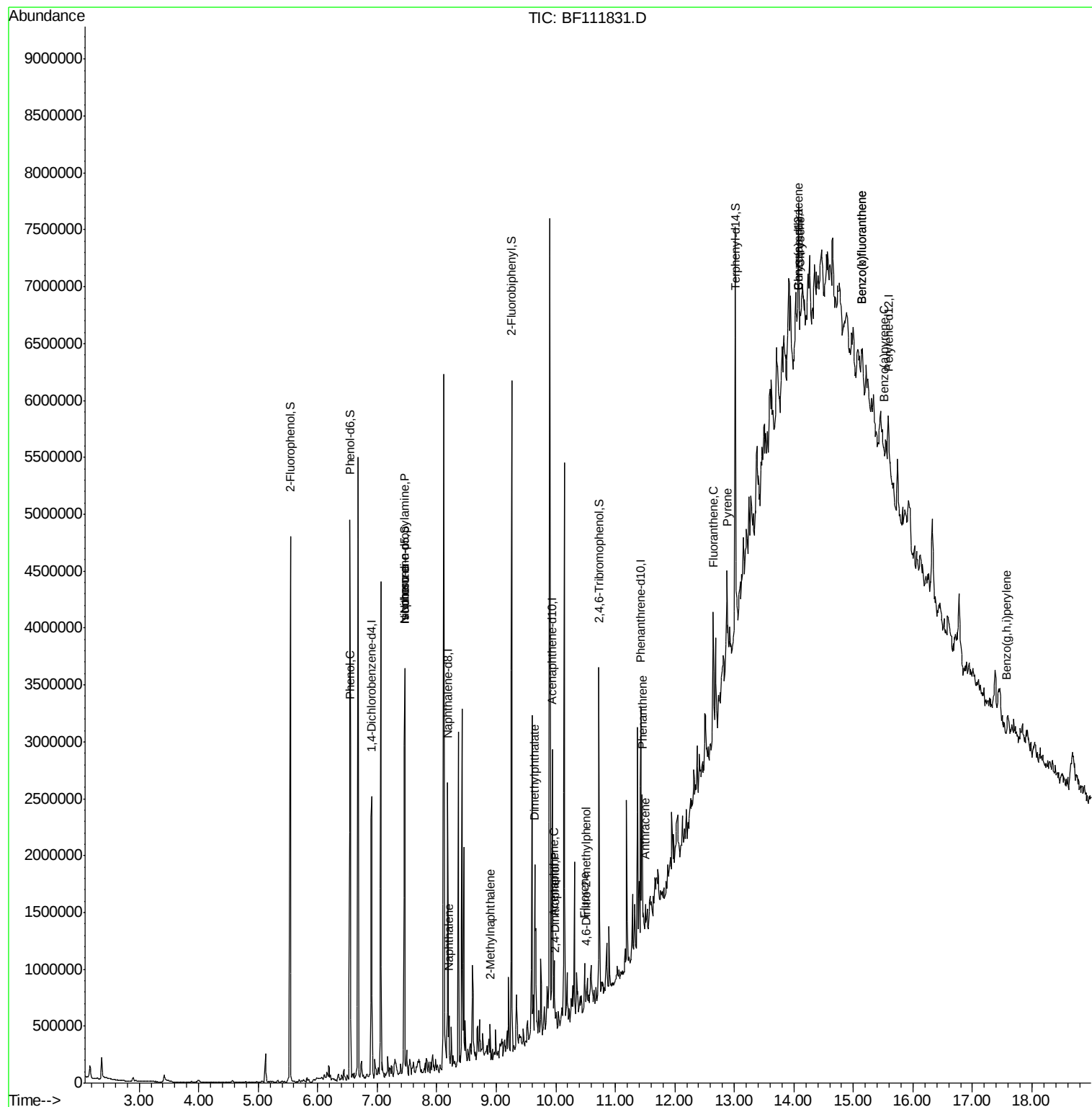
						Qvalue
10) Phenol	6.56	94	80511	3.483	ng	96
19) n-Nitroso-di-n-propylamine	7.46	70	161215	11.851	ng	# 74
25) Isophorone	7.46	82	1084493	35.389	ng	# 64
31) Naphthalene	8.20	128	163353	3.384	ng	95
37) 2-Methylnaphthalene	8.90	142	87886	2.798	ng	98
50) Dimethylphthalate	9.65	163	385059	12.038	ng	# 95
52) Acenaphthene	9.97	154	103424	3.926	ng	99
54) 2,4-Dinitrophenol	9.99	184	801	7.663	ng	# 1
58) Fluorene	10.49	166	97116	3.386	ng	100
65) 4,6-Dinitro-2-methylphenol	10.51	198	833	6.959	ng	# 1
71) Phenanthrene	11.45	178	453392	13.128	ng	96
72) Anthracene	11.50	178	85356	2.462	ng	96
75) Fluoranthene	12.64	202	464466	13.281	ng	96
78) Pyrene	12.87	202	396424	13.370	ng	96
81) Benzo(a)anthracene	14.07	228	114229	4.767	ng	# 91
83) Chrysene	14.10	228	104742	4.448	ng	# 92
88) Benzo(b)fluoranthene	15.14	252	127480	7.068	ng	# 1
89) Benzo(k)fluoranthene	15.14	252	127480	7.424	ng	# 1
90) Benzo(a)pyrene	15.52	252	60104	3.668	ng	# 1
92) Benzo(a,h,i)perylene	17.56	276	43177	3.082	ng	# 57

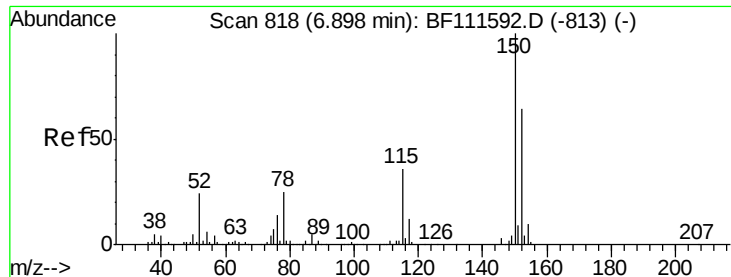
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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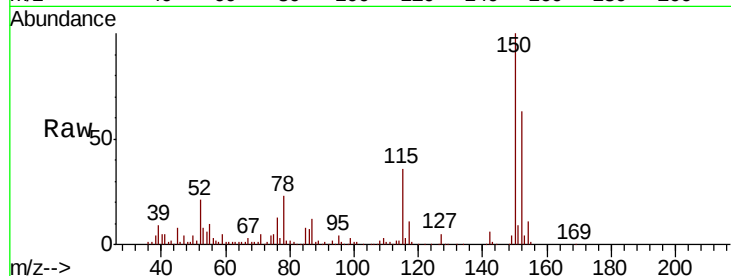


#1

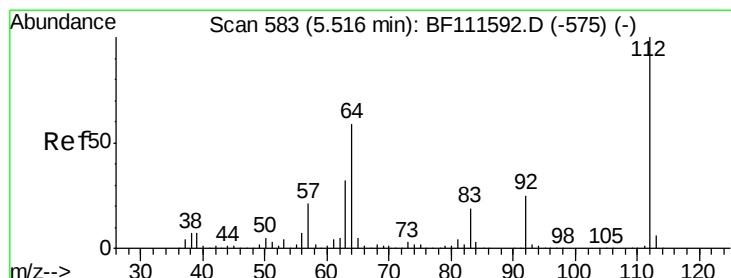
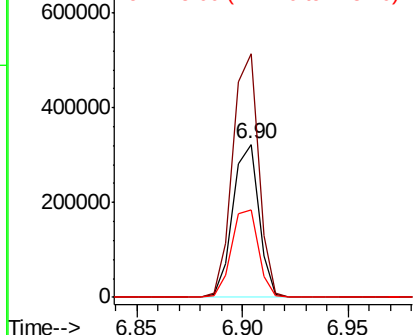
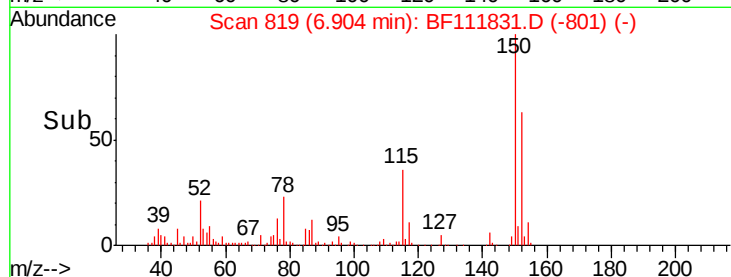
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 274360
Ion Ratio Lower Upper
152 100
150 158.9 126.6 189.8
115 57.1 50.7 76.1



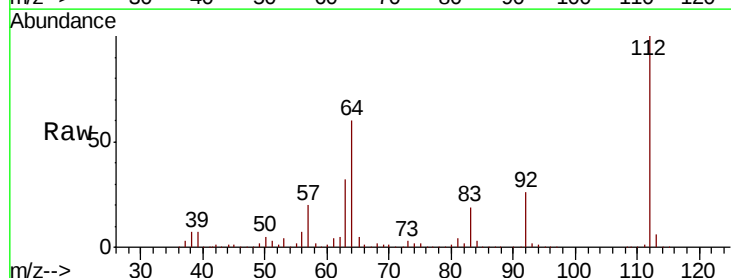
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



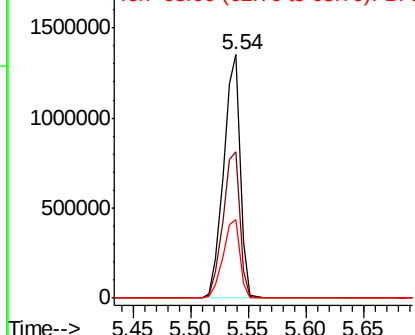
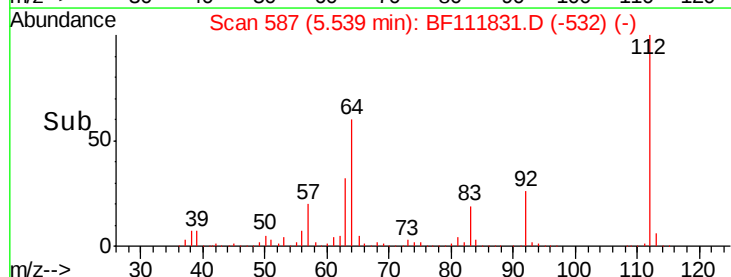
#5

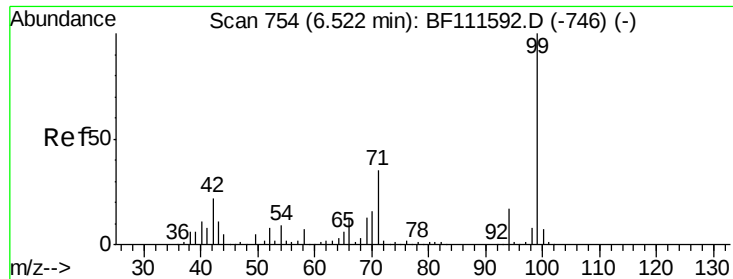
2-Fluorophenol
Concen: 83.555 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion:112 Resp: 1344897
Ion Ratio Lower Upper
112 100
64 60.1 51.8 77.6
63 32.4 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: 85.850 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

Instrument :

BNA_F

ClientSampleId :

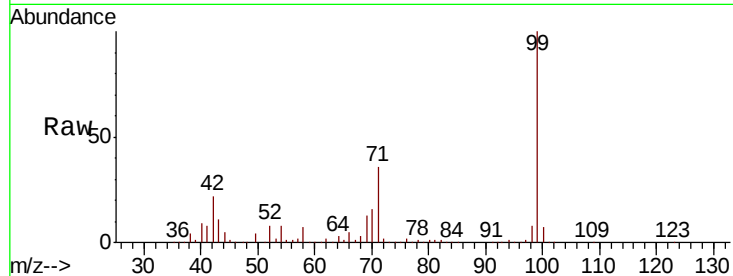
Tot Ion: 99 Resp: 1758596

Ion Ratio Lower Upper

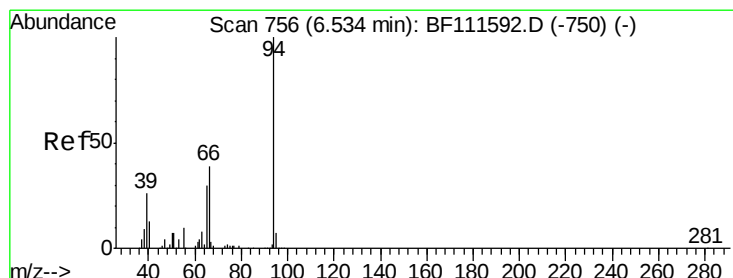
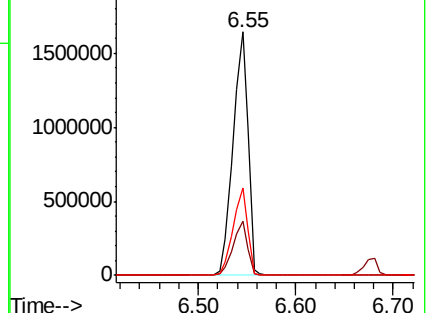
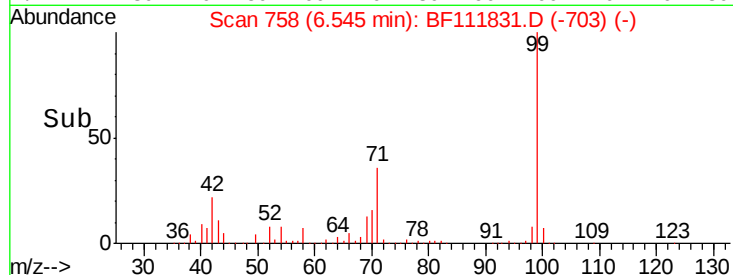
99 100

42 22.0 17.4 26.0

71 36.0 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: 3.483 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.02 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

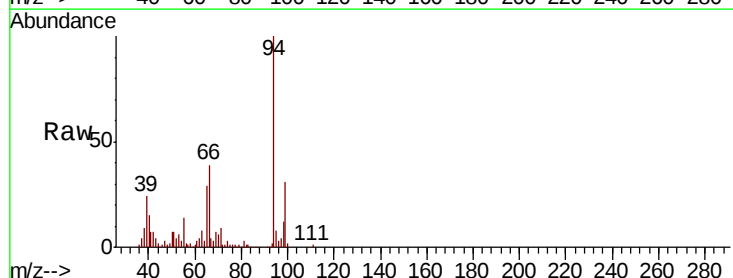
Tgt Ion: 94 Resp: 80511

Ion Ratio Lower Upper

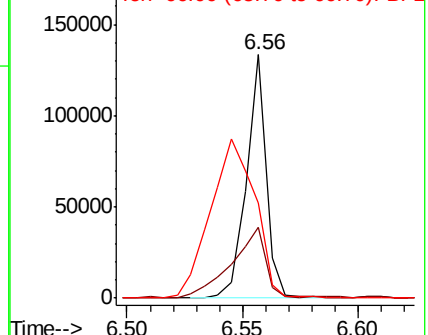
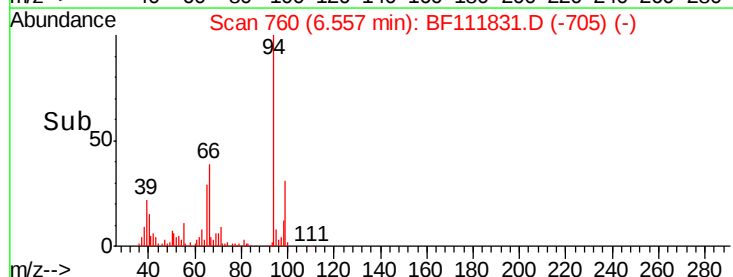
94 100

65 29.2 11.7 51.7

66 38.9 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

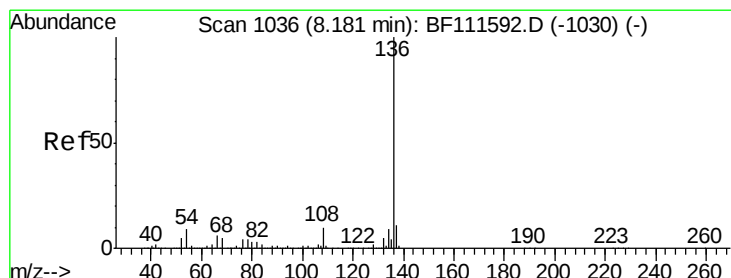
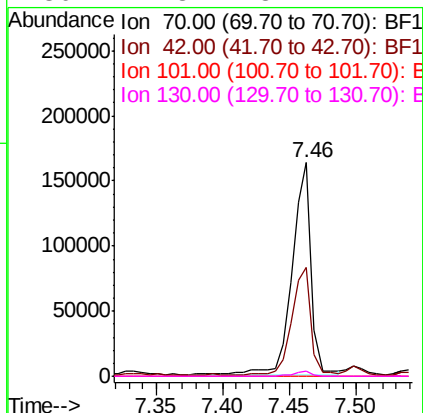
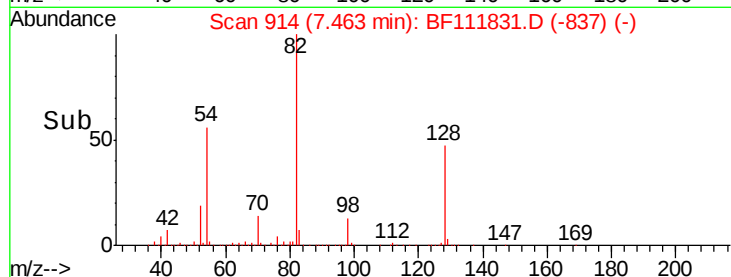
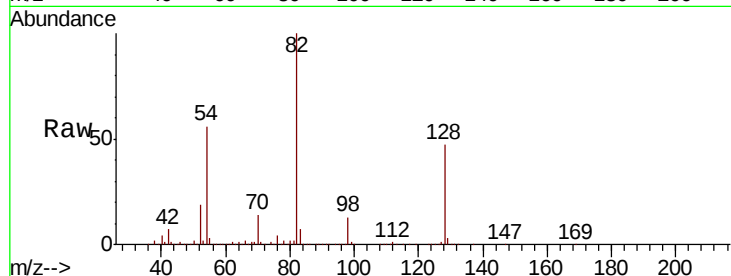




#19
n-Nitroso-di-n-propylamine
Concen: 11.851 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.15 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

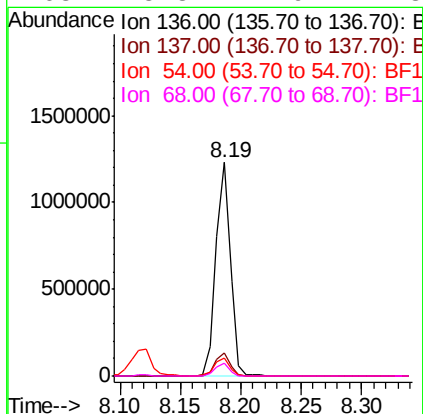
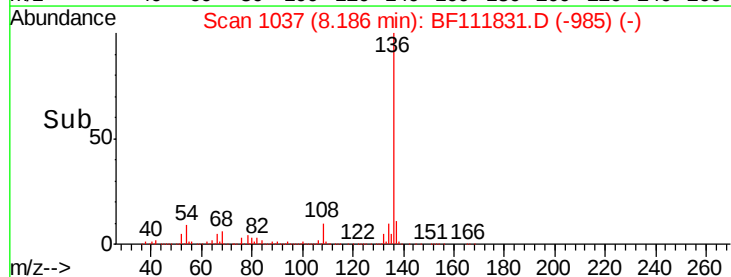
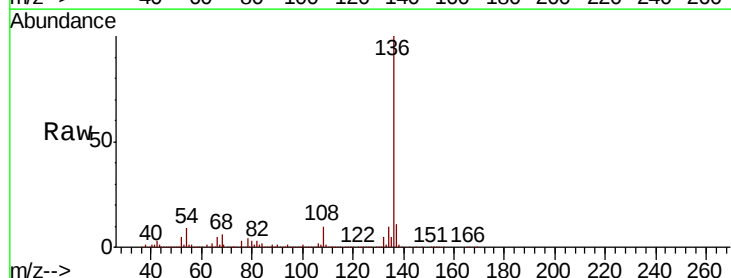
Instrument :
BNA_F
ClientSampleId :

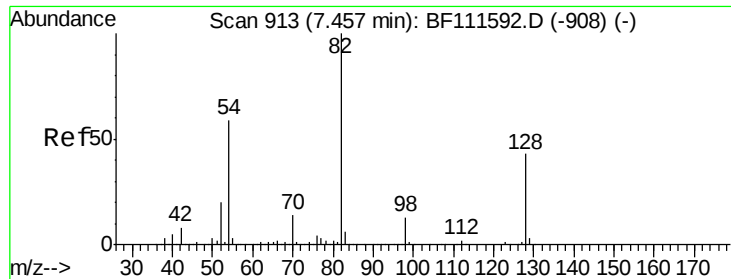
Tot Ion: 70 Resp: 161215
Ion Ratio Lower Upper
70 100
42 50.9 53.2 79.8#
101 0.0 8.2 12.4#
130 2.3 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion:136 Resp: 1004773
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 8.7 7.7 11.5
68 5.8 4.9 7.3

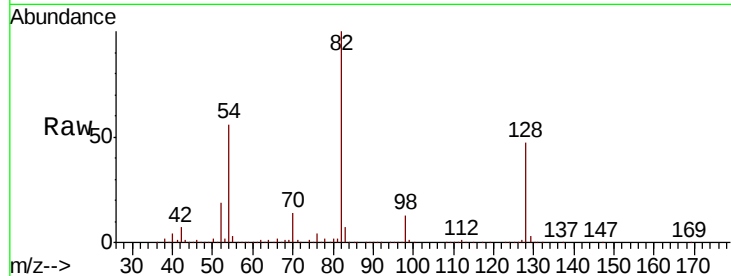




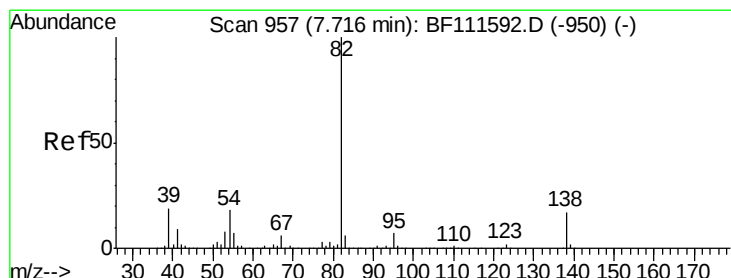
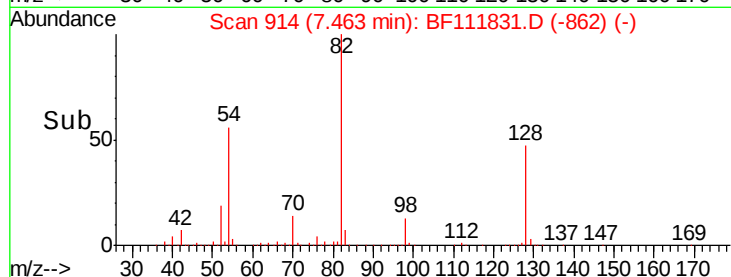
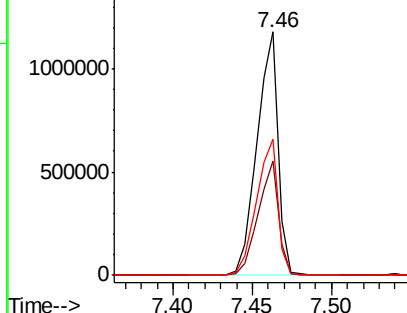
#23
 Nitrobenzene-d5
 Concen: 63.398 ng
 RT: 7.46 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: BF111831.D
 Acq: 3 Jan 2019 19:54

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 1094371
 Ion Ratio Lower Upper
 82 100
 128 47.0 37.4 56.2
 54 55.8 47.6 71.4

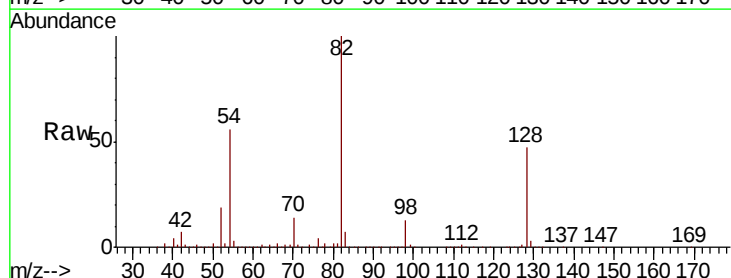


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

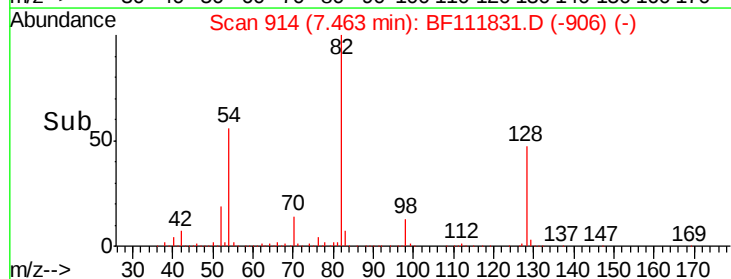
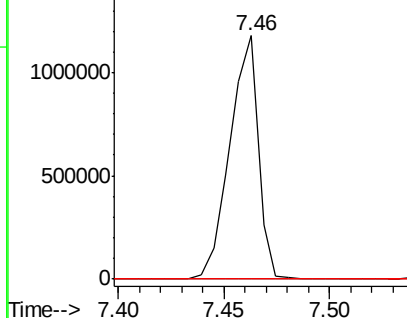


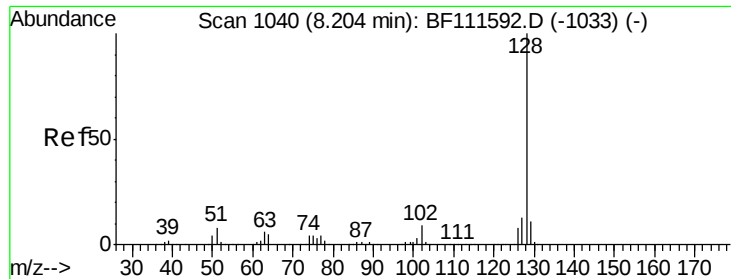
#25
 Isophorone
 Concen: 35.389 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.25 min
 Lab File: BF111831.D
 Acq: 3 Jan 2019 19:54

Tgt Ion: 82 Resp: 1084493
 Ion Ratio Lower Upper
 82 100
 95 0.2 5.4 8.2#
 138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

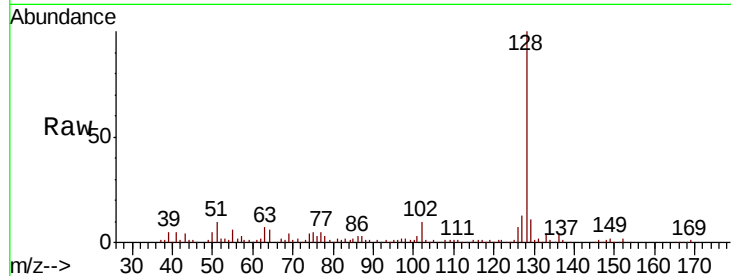




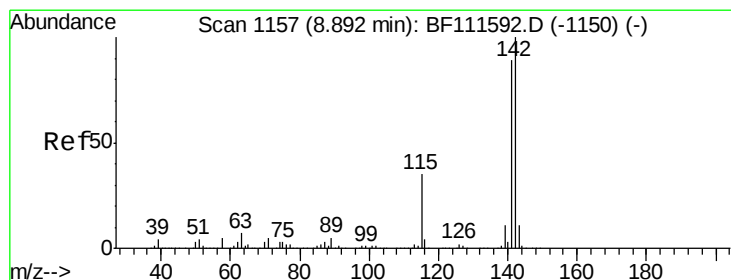
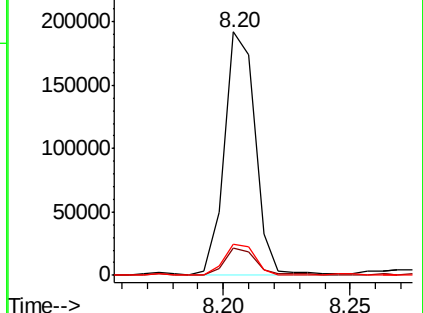
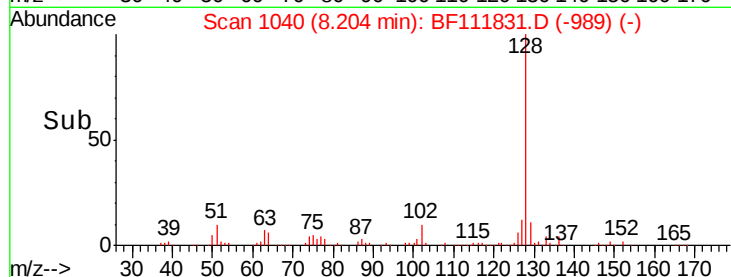
#31
Naphthalene
Concen: 3.384 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 163353
Ion Ratio Lower Upper
128 100
129 11.0 9.8 14.8
127 12.5 12.0 18.0

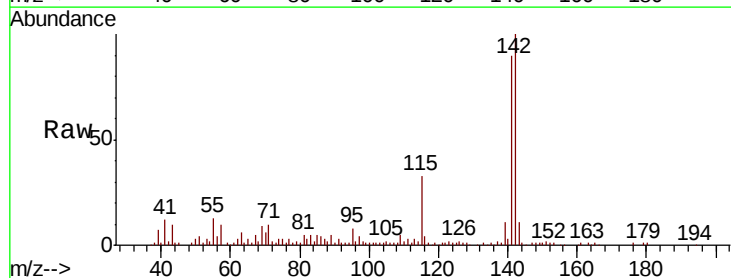


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

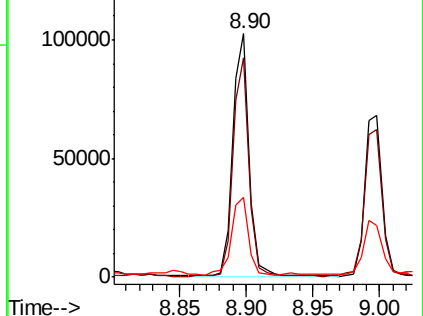
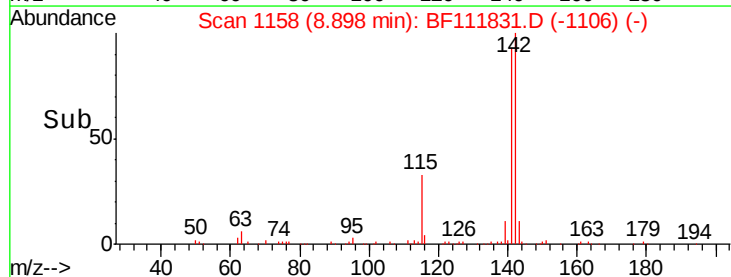


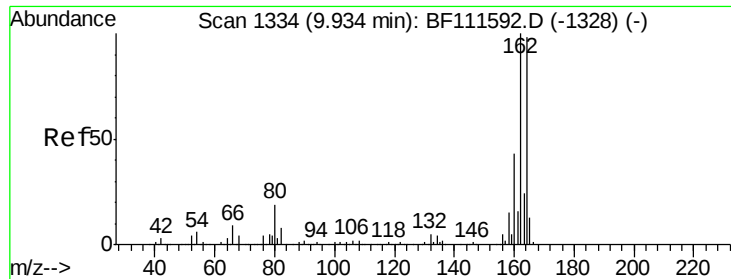
#37
2-Methylnaphthalene
Concen: 2.798 ng
RT: 8.90 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion:142 Resp: 87886
Ion Ratio Lower Upper
142 100
141 89.9 70.6 105.8
115 32.7 27.0 40.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

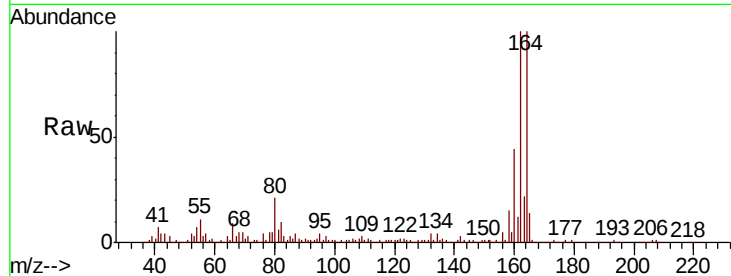




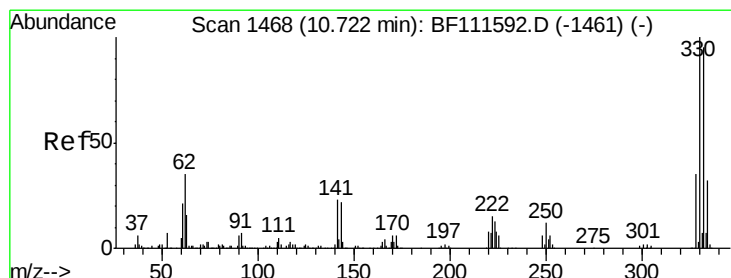
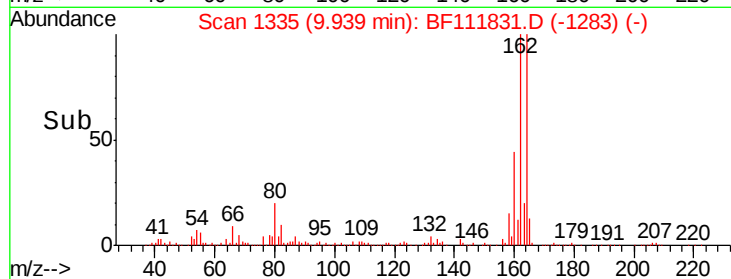
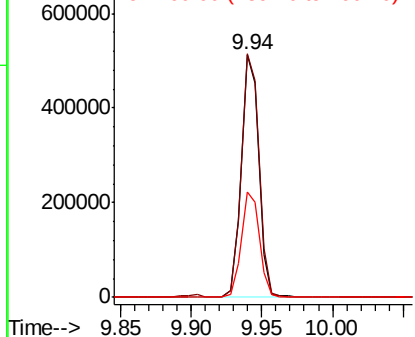
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF111831.D
 Acq: 3 Jan 2019 19:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 437422
 Ion Ratio Lower Upper
 164 100
 162 100.4 81.4 122.0
 160 43.7 35.7 53.5

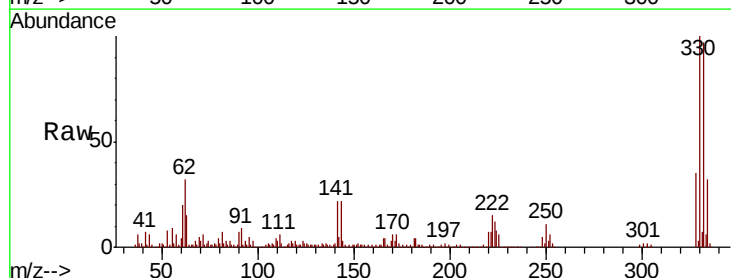


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

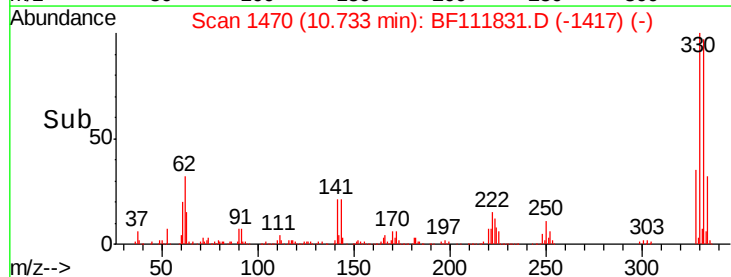
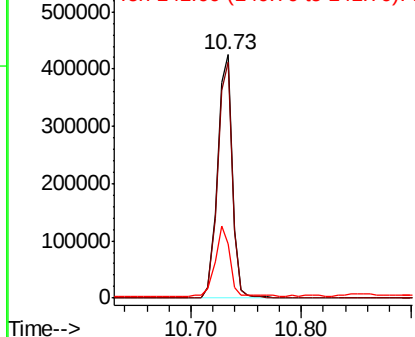


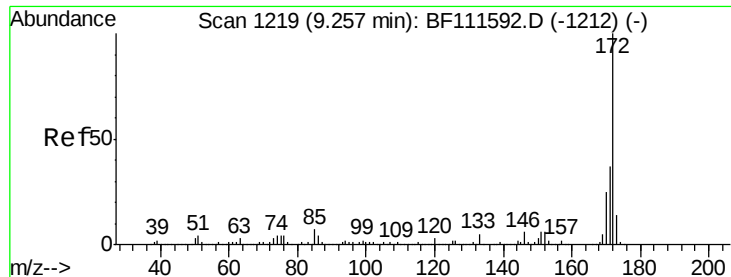
#42
 2,4,6-Tribromophenol
 Concen: 76.732 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: BF111831.D
 Acq: 3 Jan 2019 19:54

Tgt Ion:330 Resp: 396590
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.0 114.0
 141 27.1 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

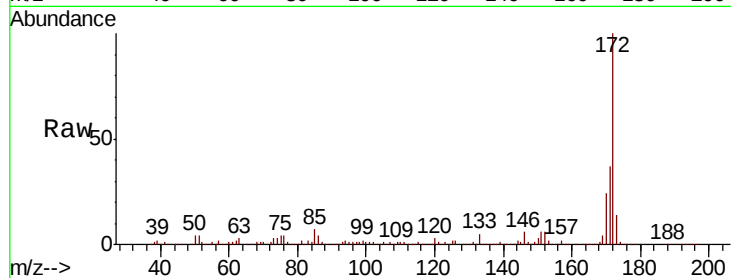




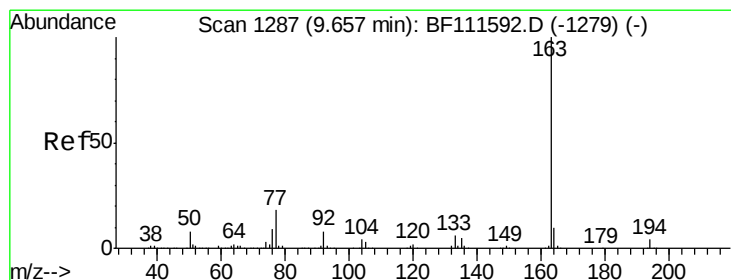
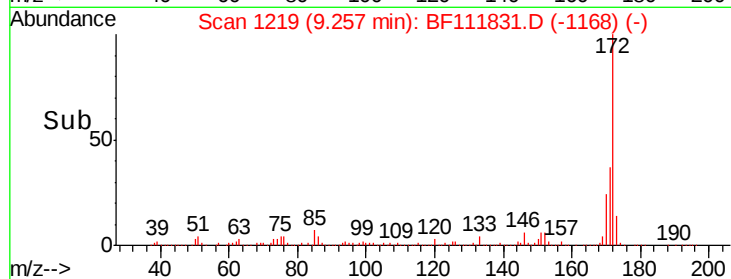
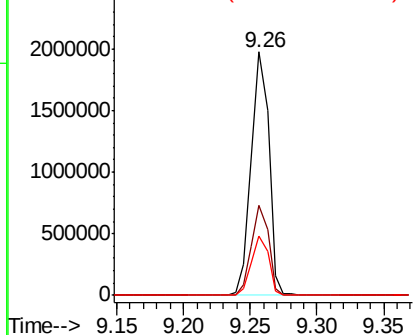
#45
2-Fluorobiphenyl
Concen: 59.764 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1793531
Ion Ratio Lower Upper
172 100
171 37.0 33.0 49.4
170 24.1 22.3 33.5

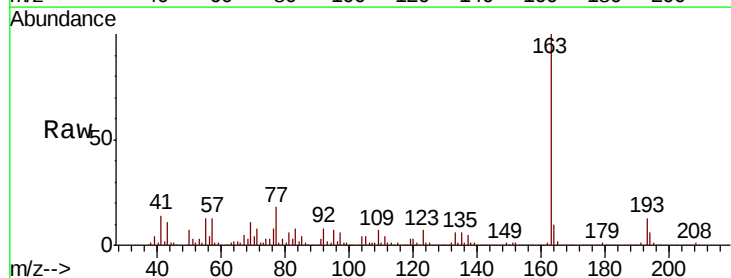


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

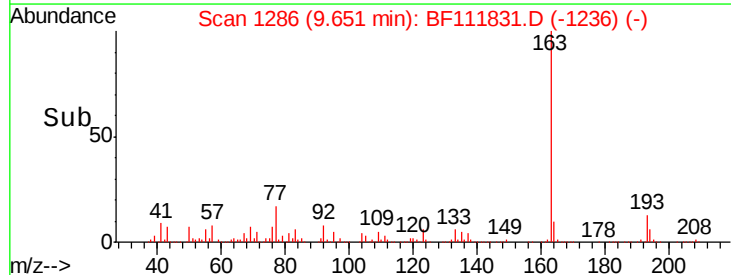
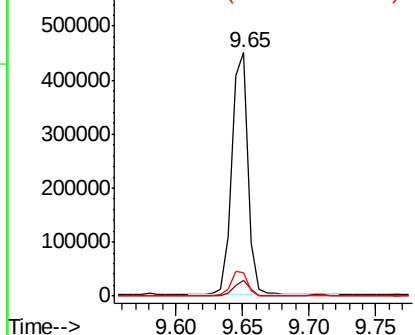


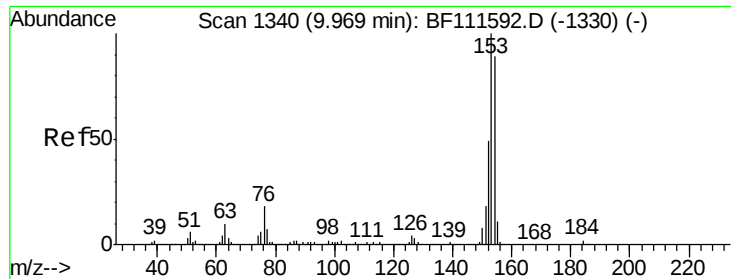
#50
Dimethylphthalate
Concen: 12.038 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion:163 Resp: 385059
Ion Ratio Lower Upper
163 100
194 6.3 3.0 4.6#
164 9.6 8.9 13.3



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





#52

Acenaphthene

Concen: 3.926 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

Instrument :

BNA_F

ClientSampleId :

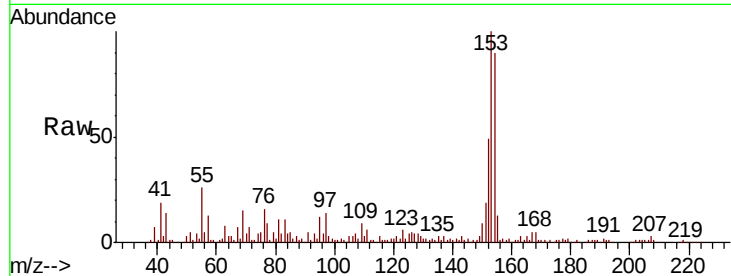
Tot Ion:154 Resp: 103424

Ion Ratio Lower Upper

154 100

153 111.4 87.8 131.8

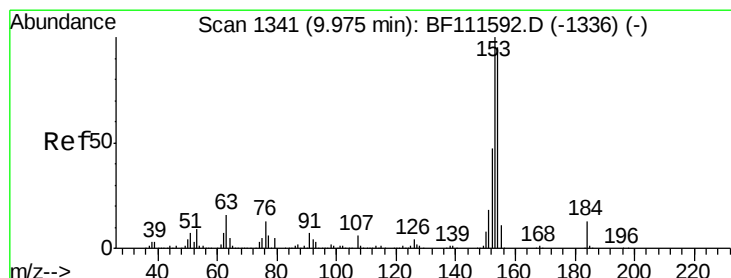
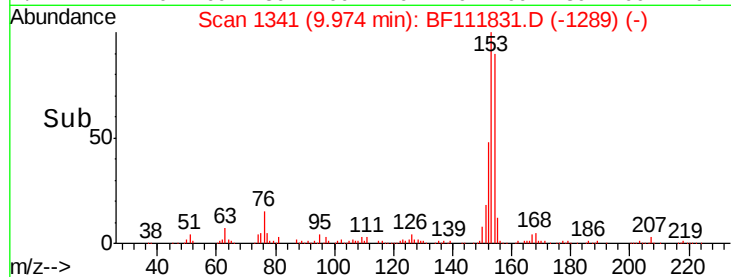
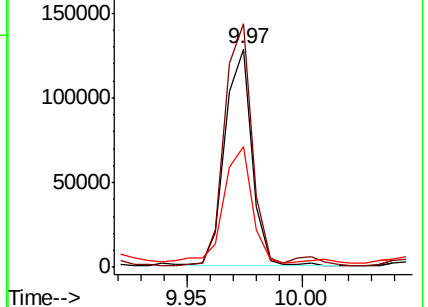
152 55.1 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

2,4-Dinitrophenol

Concen: 7.663 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

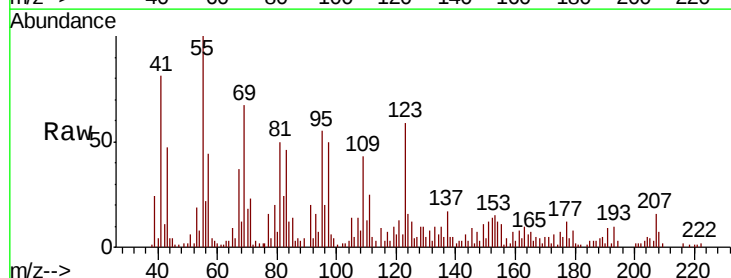
Tgt Ion:184 Resp: 801

Ion Ratio Lower Upper

184 100

63 217.0 62.3 93.5#

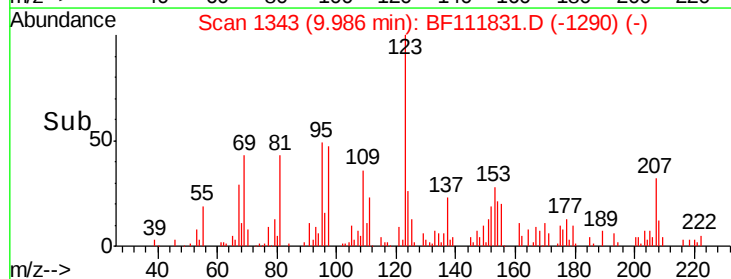
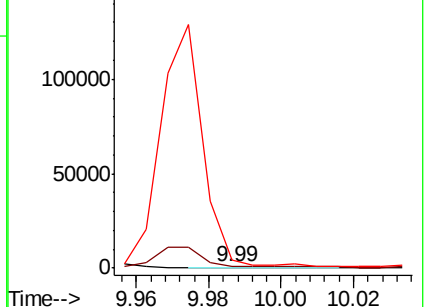
154 940.5 56.2 84.2#

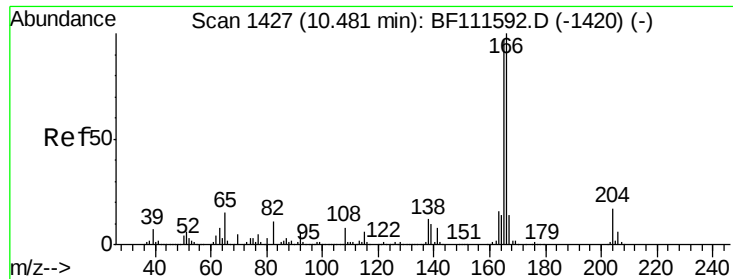


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

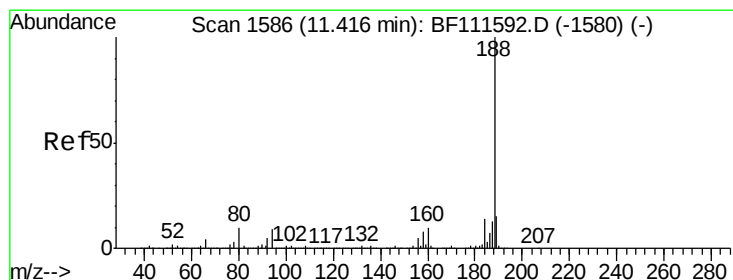
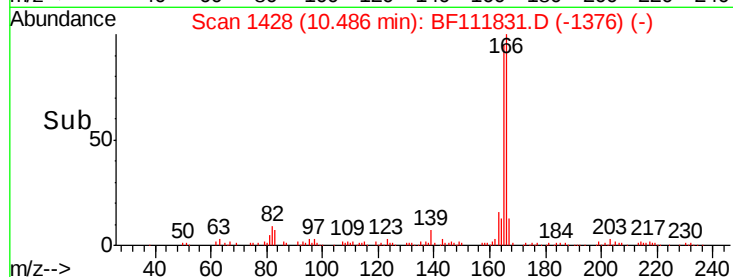
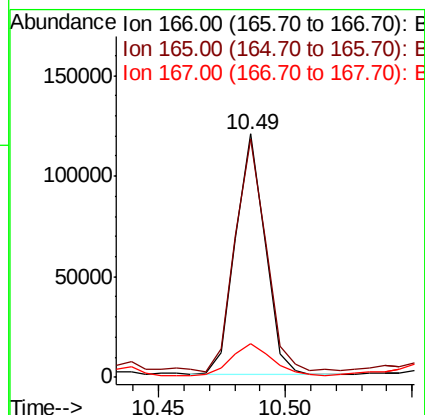
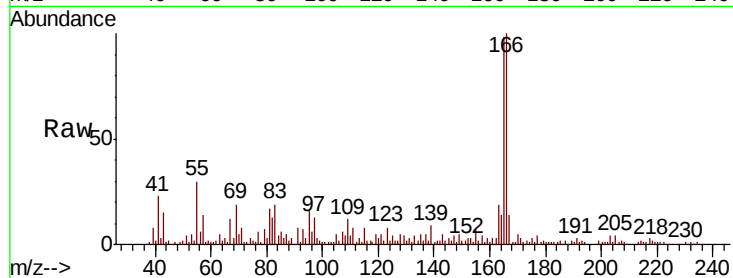




#58
 Fluorene
 Concen: 3.386 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: BF111831.D
 Acq: 3 Jan 2019 19:54

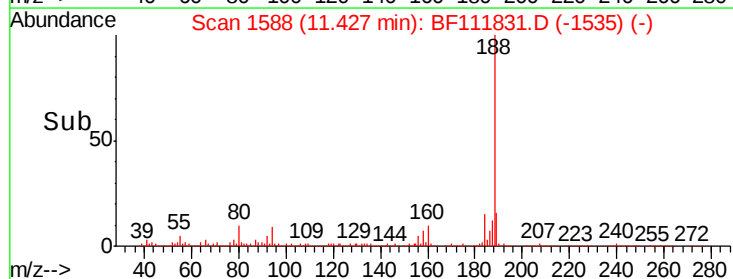
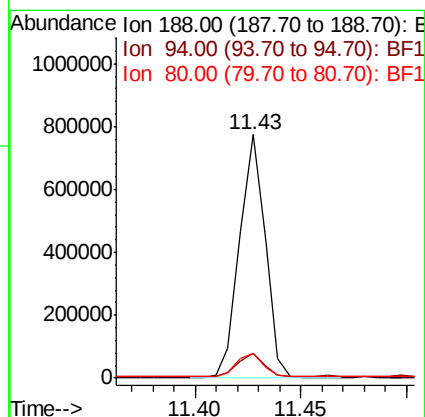
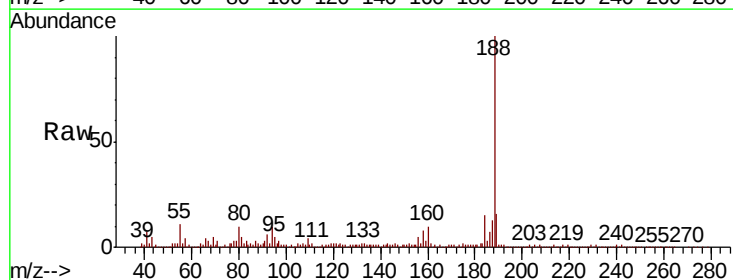
Instrument :
 BNA_F
 ClientSampleId :

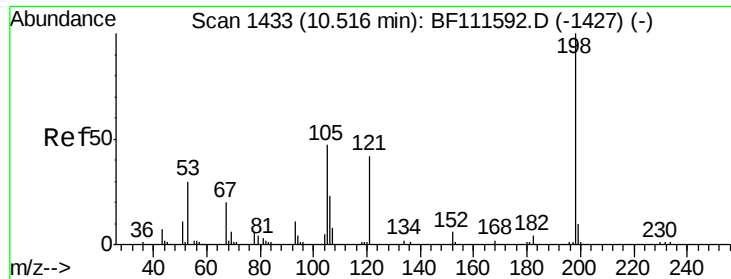
Tot Ion:166 Resp: 97116
 Ion Ratio Lower Upper
 166 100
 165 97.9 78.4 117.6
 167 13.7 11.2 16.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF111831.D
 Acq: 3 Jan 2019 19:54

Tgt Ion:188 Resp: 651220
 Ion Ratio Lower Upper
 188 100
 94 9.9 9.6 14.4
 80 10.3 9.8 14.6

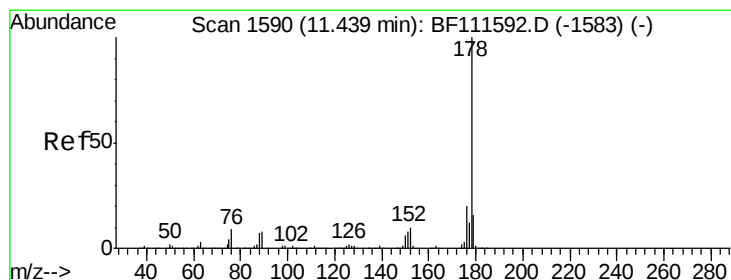
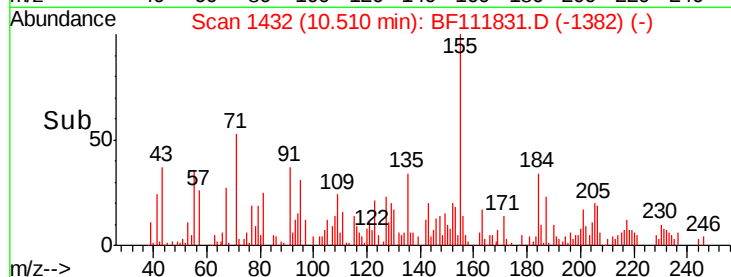
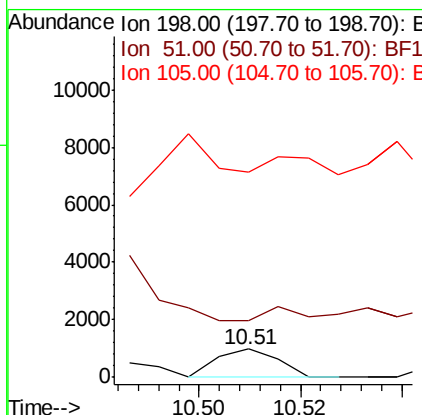
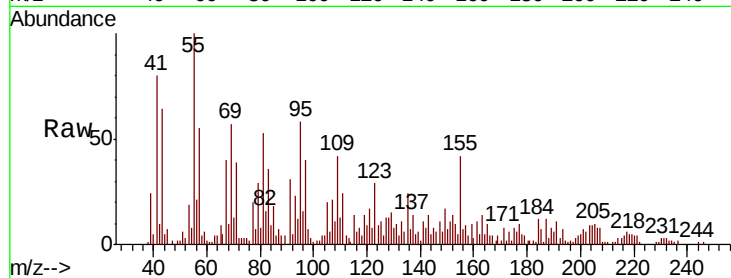




#65
4,6-Dinitro-2-methylphenol
Concen: 6.959 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

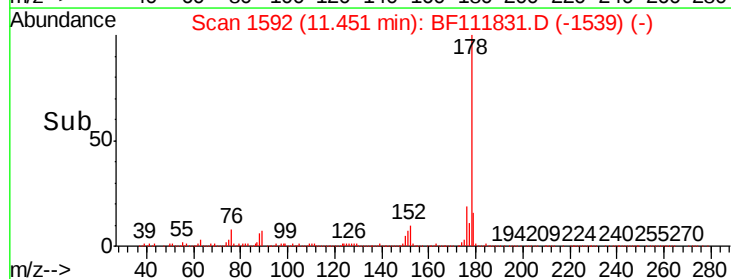
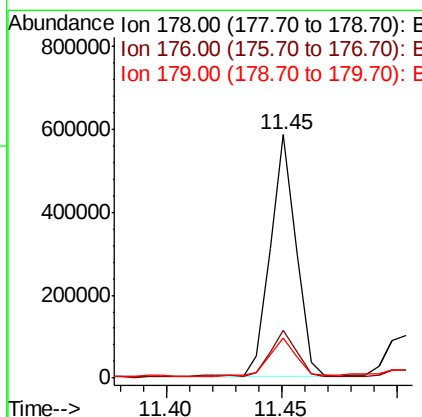
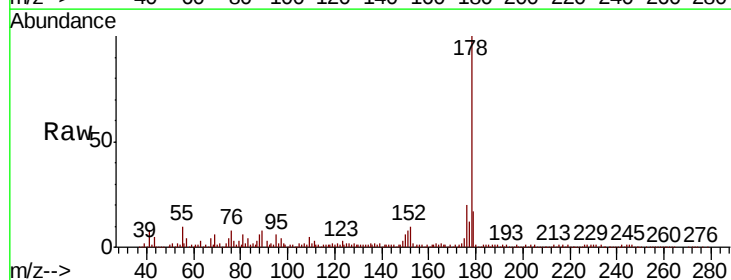
Instrument :
BNA_F
ClientSampleId :

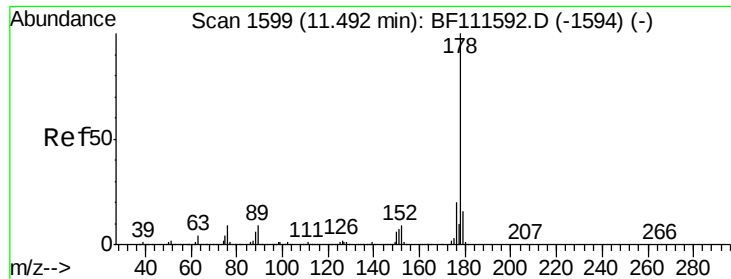
Tot Ion:198 Resp: 833
Ion Ratio Lower Upper
198 100
51 200.6 48.0 88.0#
105 720.4 34.0 74.0#



#71
Phenanthrene
Concen: 13.128 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion:178 Resp: 453392
Ion Ratio Lower Upper
178 100
176 19.8 18.1 27.1
179 16.6 14.0 21.0

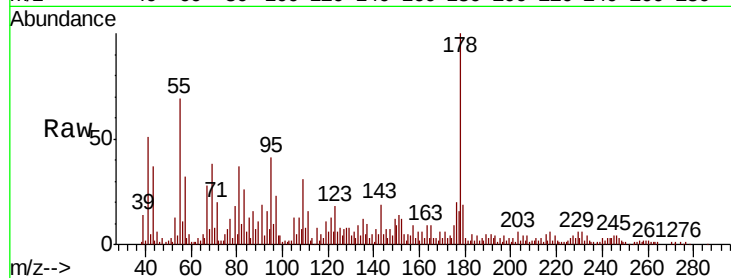




#72
 Anthracene
 Concen: 2.462 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF111831.D
 Acq: 3 Jan 2019 19:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	17.2	25.8
179	19.1	13.8	20.8

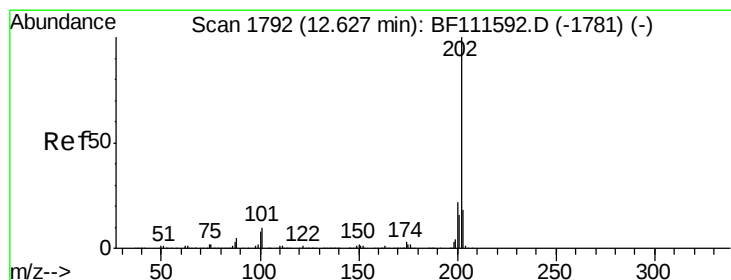
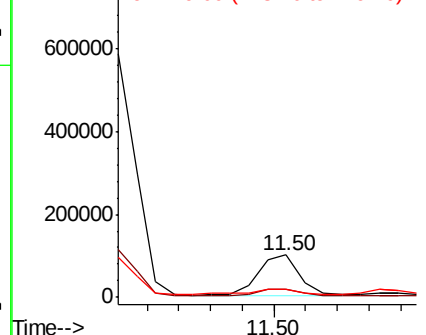
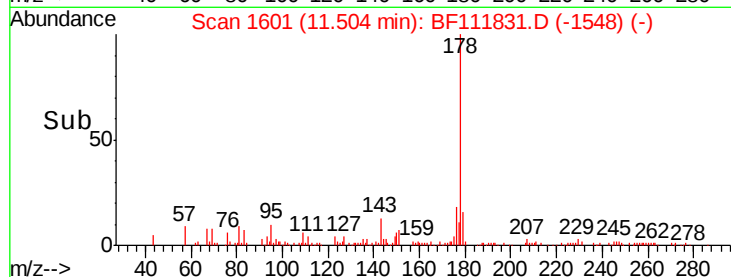


Abundance

Ion 178.00 (177.70 to 178.70): E

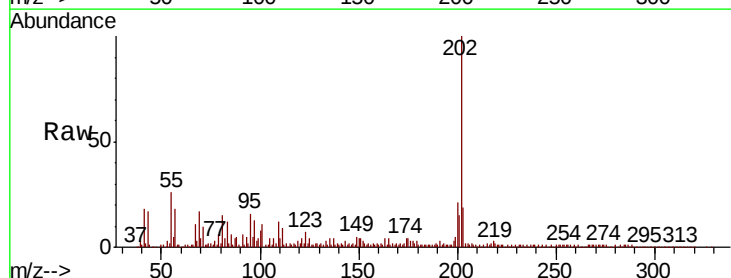
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
 Fluoranthene
 Concen: 13.281 ng
 RT: 12.64 min Scan# 1795
 Delta R.T. 0.02 min
 Lab File: BF111831.D
 Acq: 3 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	33.8
203	19.4	0.0	38.6

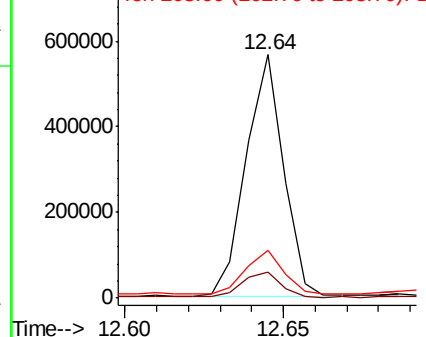
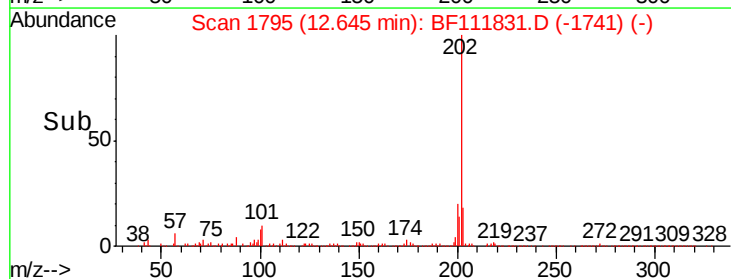


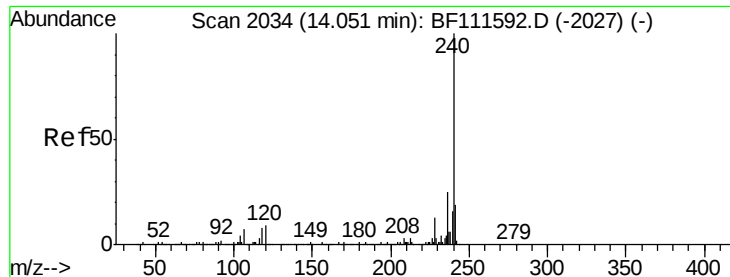
Abundance

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: 14.08 min Scan# 2039

Delta R.T. 0.03 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

Instrument :

BNA_F

ClientSampleId :

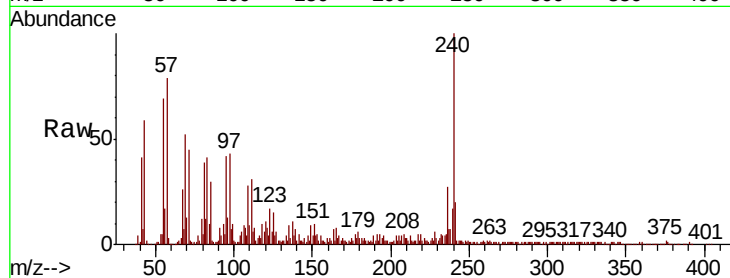
Tot Ion:240 Resp: 419859

Ion Ratio Lower Upper

240 100

120 11.4 12.2 18.2#

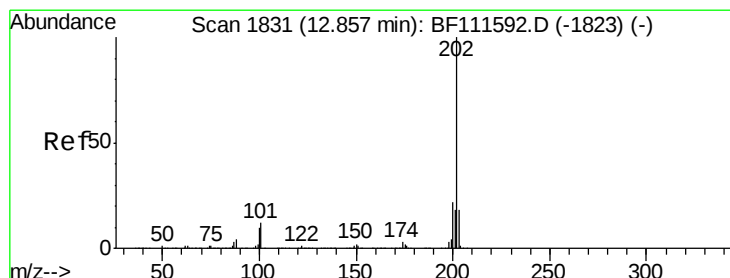
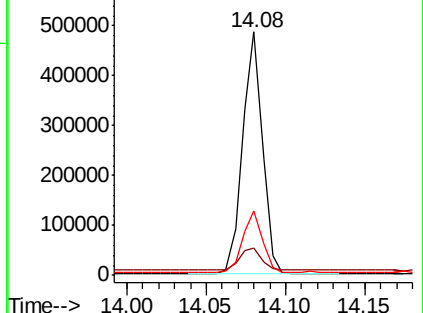
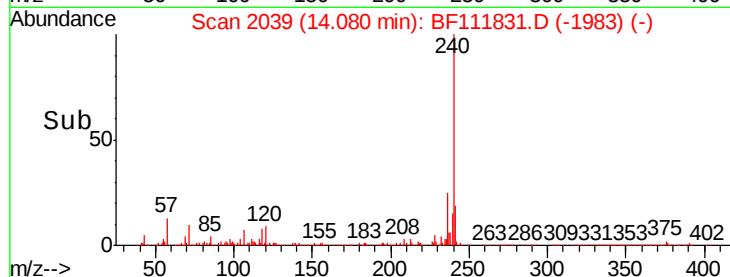
236 26.6 20.2 30.2



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

Pyrene

Concen: 13.370 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.02 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

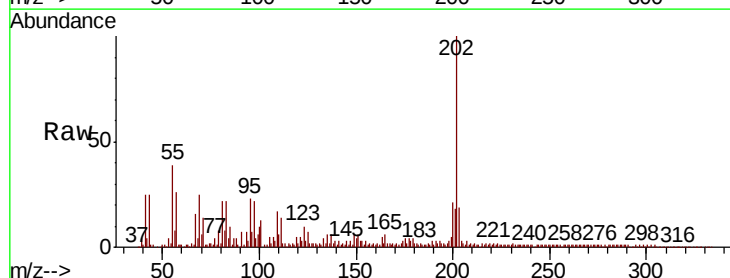
Tgt Ion:202 Resp: 396424

Ion Ratio Lower Upper

202 100

200 20.6 19.0 28.4

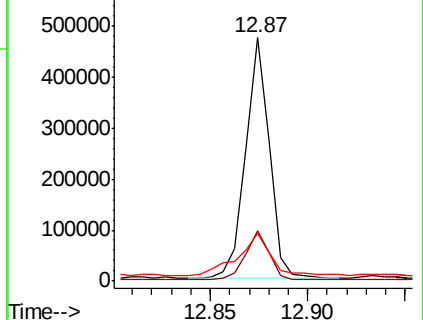
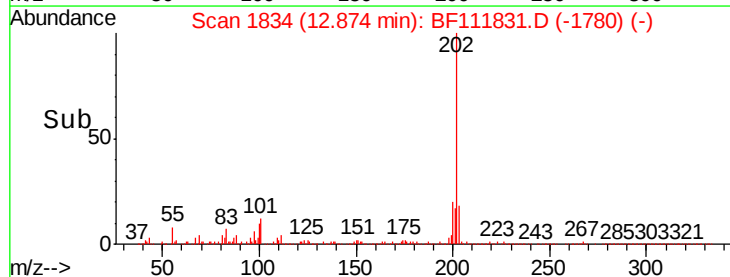
203 19.4 15.2 22.8

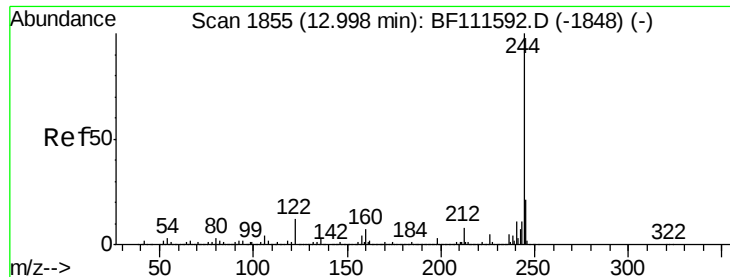


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 56.240 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.02 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

Instrument :

BNA_F

ClientSampleId :

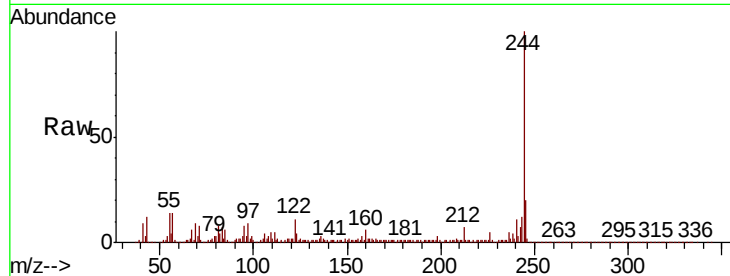
Tot Ion:244 Resp: 1245124

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

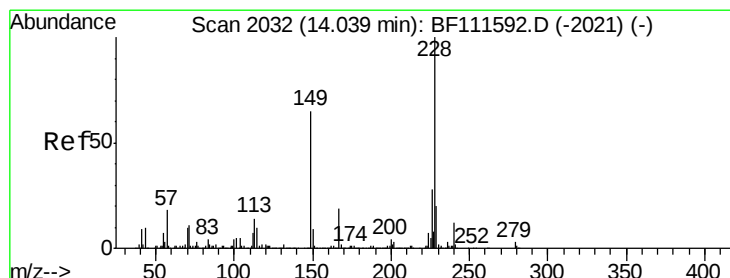
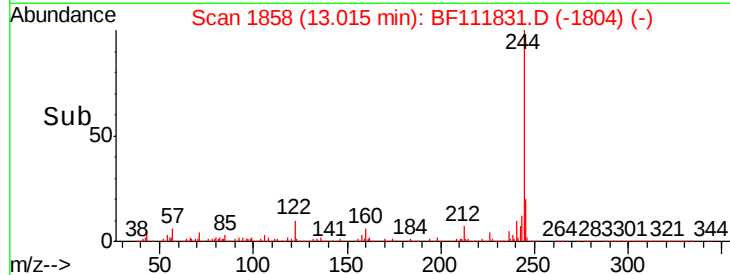
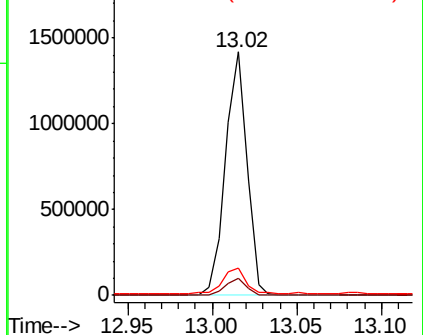
122 11.0 13.1 19.7#



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



#81

Benzo(a)anthracene

Concen: 4.767 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.03 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

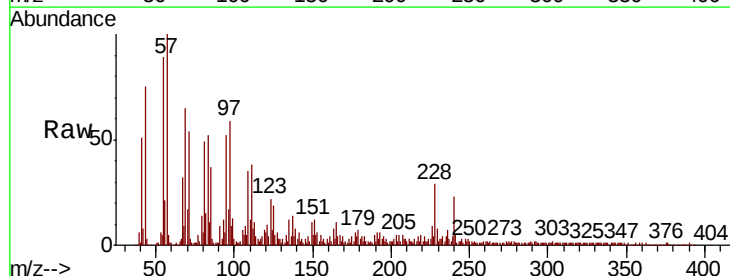
Tgt Ion:228 Resp: 114229

Ion Ratio Lower Upper

228 100

226 29.9 22.6 34.0

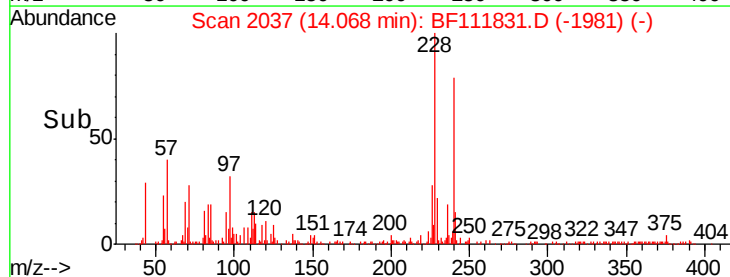
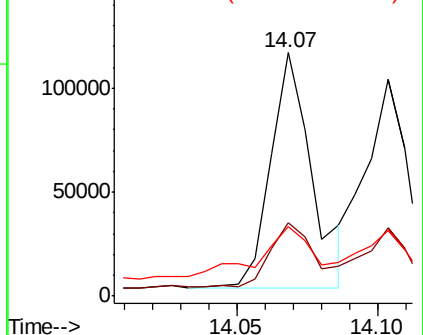
229 28.5 16.3 24.5#

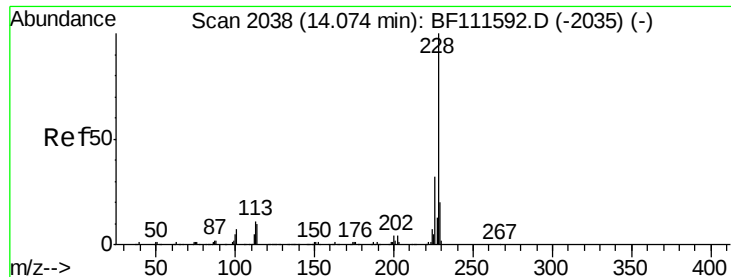


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

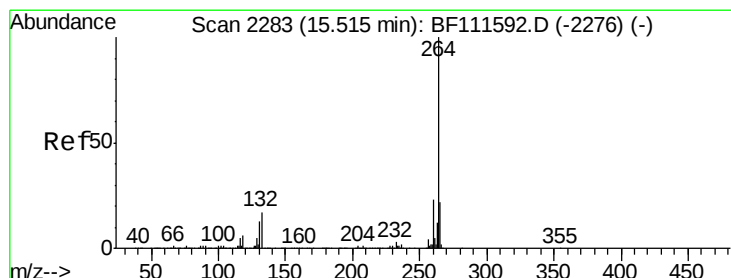
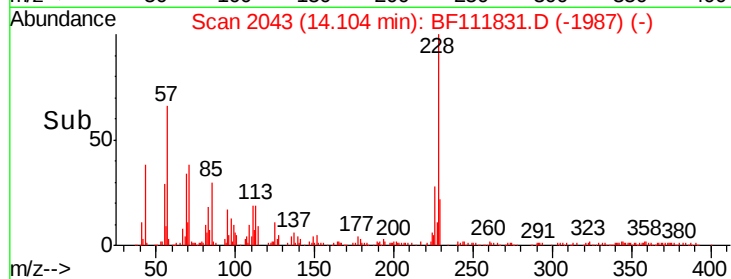
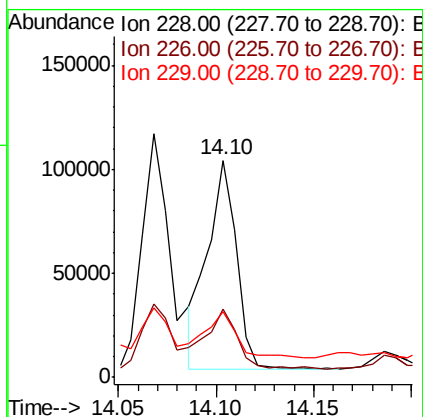
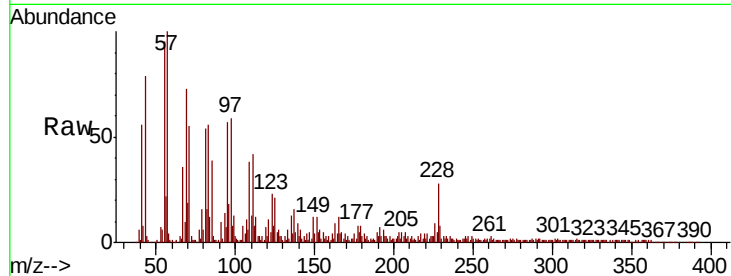




#83
 Chrvsene
 Concen: 4.448 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. 0.03 min
 Lab File: BF111831.D
 Acq: 3 Jan 2019 19:54

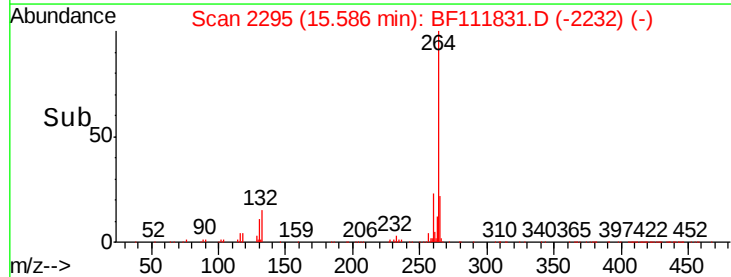
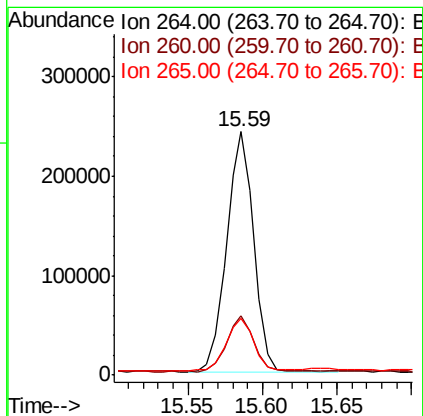
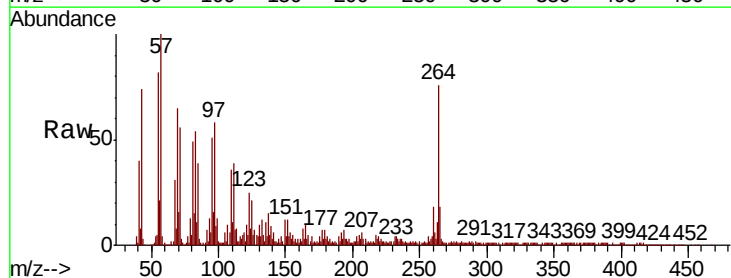
Instrument :
 BNA_F
 ClientSampleId :

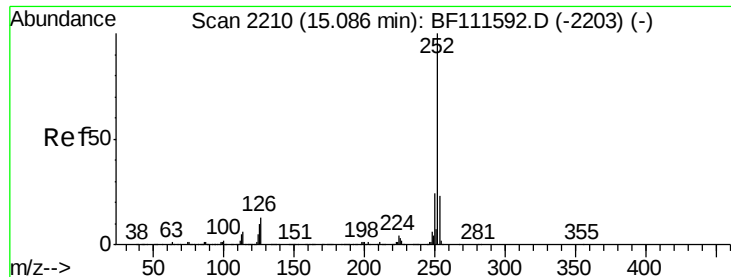
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.3	37.9
229	30.0	17.2	25.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.59 min Scan# 2295
 Delta R.T. 0.07 min
 Lab File: BF111831.D
 Acq: 3 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.3	27.5
265	23.1	17.7	26.5

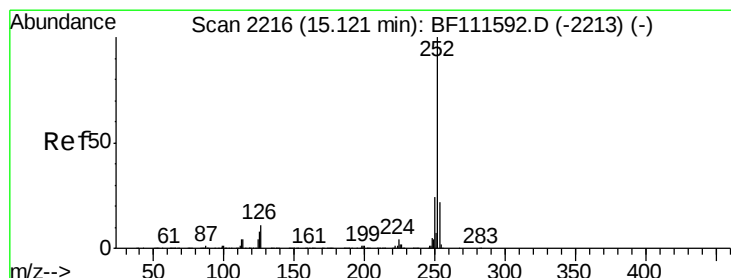
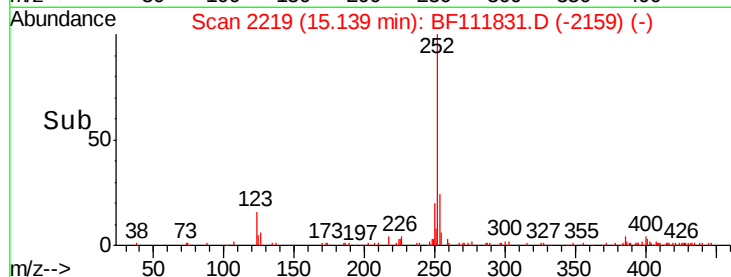
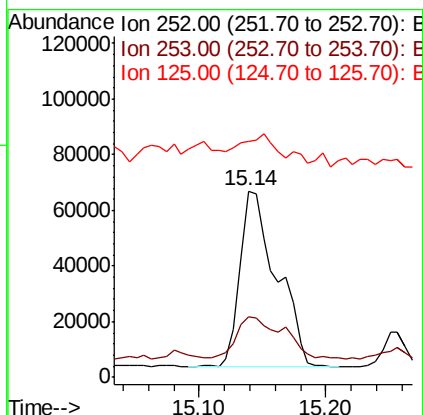
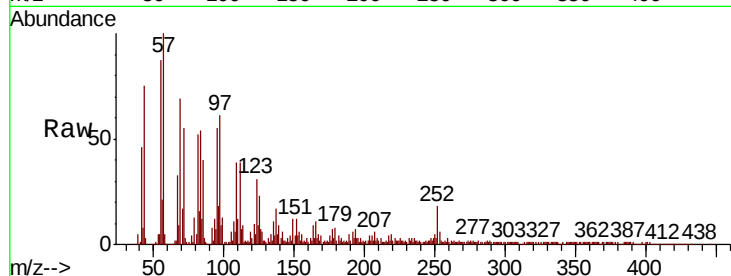




#88
Benzo(b)fluoranthene
Concen: 7.068 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.05 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

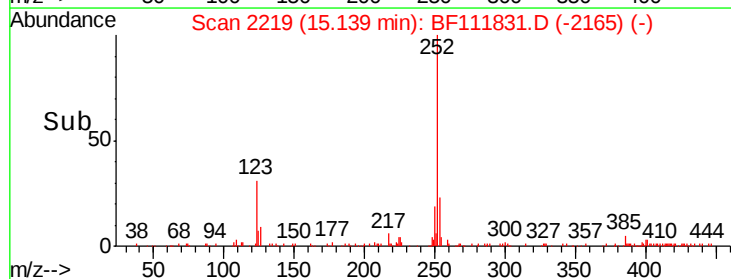
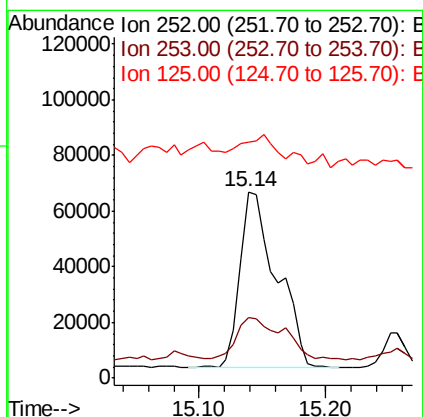
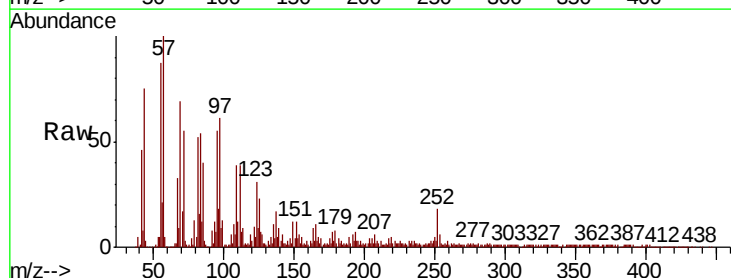
Instrument :
BNA_F
ClientSampleId :

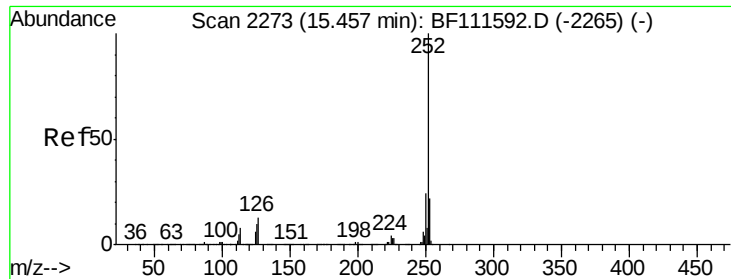
Tot Ion	Ratio	Lower	Upper
252	100		
253	32.6	18.2	27.2#
125	127.0	10.4	15.6#



#89
Benzo(k)fluoranthene
Concen: 7.424 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.02 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.6	18.1	27.1#
125	127.0	9.8	14.8#





#90

Benzo(a)pyrene

Concen: 3.668 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.06 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

Instrument :

BNA_F

ClientSampleId :

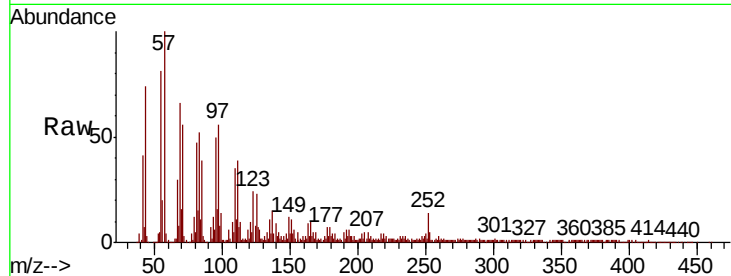
Tot Ion:252 Resp: 60104

Ion Ratio Lower Upper

252 100

253 33.0 17.8 26.8#

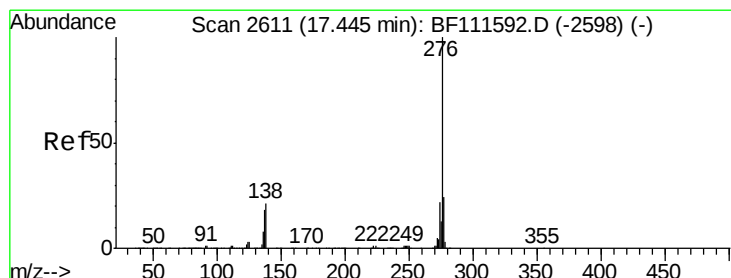
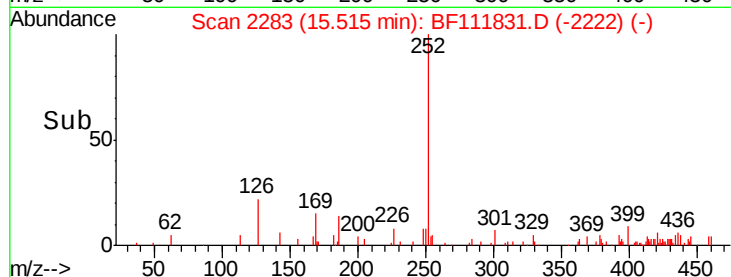
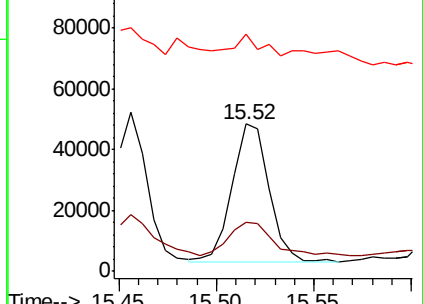
125 161.2 12.3 18.5#



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: 3.082 ng

RT: 17.56 min Scan# 2631

Delta R.T. 0.12 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

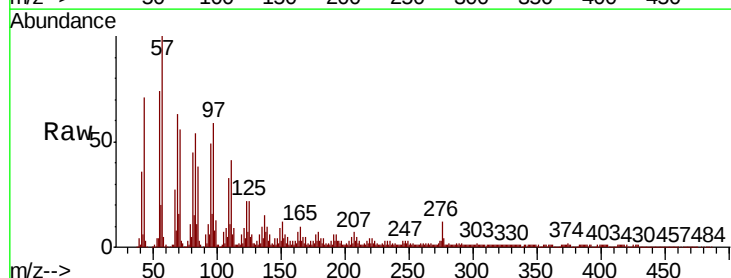
Tgt Ion:276 Resp: 43177

Ion Ratio Lower Upper

276 100

277 37.7 19.2 28.8#

138 60.8 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

