

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011819\
 Data File : BF112119.D
 Acq On : 18 Jan 2019 11:30
 Operator : JU/SJ
 Sample : K1157-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-011519

Quant Time: Jan 18 12:06:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	343863	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1271951	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	608180	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	1013550	20.00	ng	0.00
76) Chrysene-d12	14.02	240	712983	20.00	ng	-0.01
87) Perylene-d12	15.49	264	744213	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	2244908	118.49	ng	0.00
7) Phenol-d6	6.51	99	2828975	119.35	ng	0.00
23) Nitrobenzene-d5	7.42	82	1818084	98.75	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	809546	123.39	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3194090	77.00	ng	0.00
79) Terphenyl-d14	12.96	244	2588209	77.23	ng	-0.01

Target Compounds

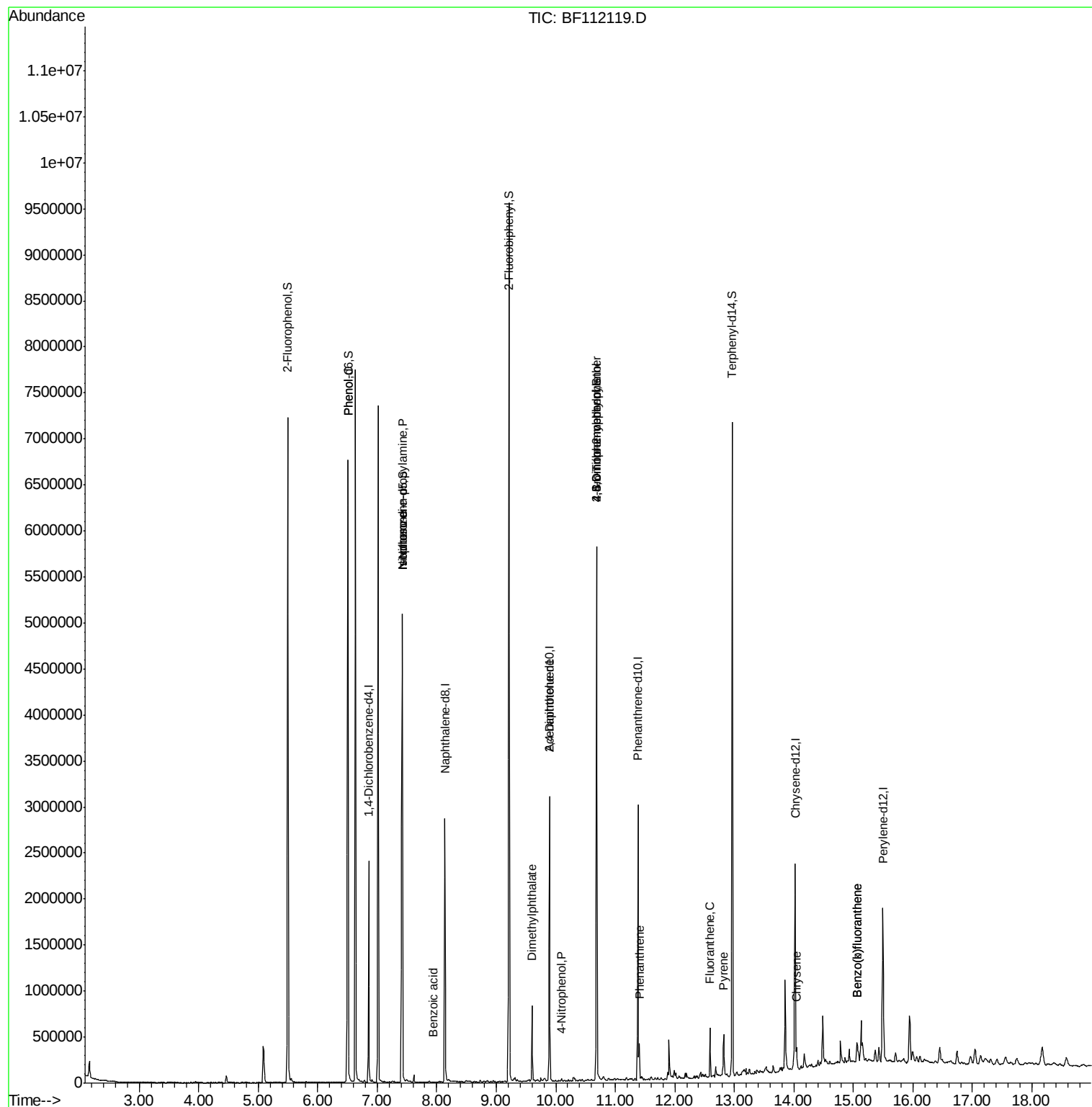
						Qvalue
9) Benzaldehyde	6.51	77	5346	Below Cal	#	1
10) Phenol	6.52	94	61106	2.359 ng		94
19) n-Nitroso-di-n-propylamine	7.42	70	251848	17.441 ng	#	75
25) Isophorone	7.42	82	1813851	51.008 ng	#	64
32) Benzoic acid	7.93	122	155	7.190 ng	#	1
50) Dimethylphthalate	9.60	163	318783	7.187 ng		98
56) 4-Nitrophenol	10.10	139	1901	5.904 ng	#	12
57) 2,4-Dinitrotoluene	9.89	165	79199	10.882 ng	#	32
65) 4,6-Dinitro-2-methylphenol	10.69	198	1819	10.410 ng	#	1
67) 4-Bromophenyl-phenylether	10.69	248	48753	4.141 ng	#	1
71) Phenanthrene	11.40	178	132549	2.599 ng		97
75) Fluoranthene	12.59	202	191357	3.553 ng		97
78) Pyrene	12.82	202	177182	3.767 ng		98
83) Chrysene	14.04	228	88952	2.300 ng		97
88) Benzo(b)fluoranthene	15.06	252	152200	3.603 ng	#	93
89) Benzo(k)fluoranthene	15.06	252	151806	3.713 ng	#	94

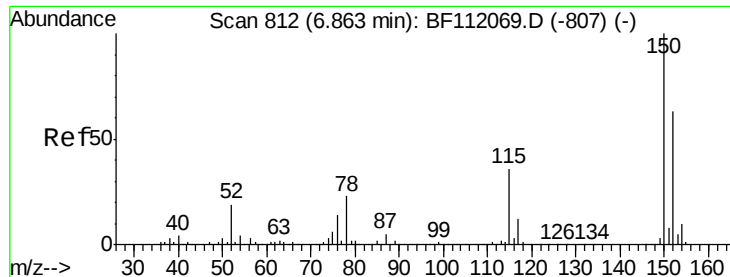
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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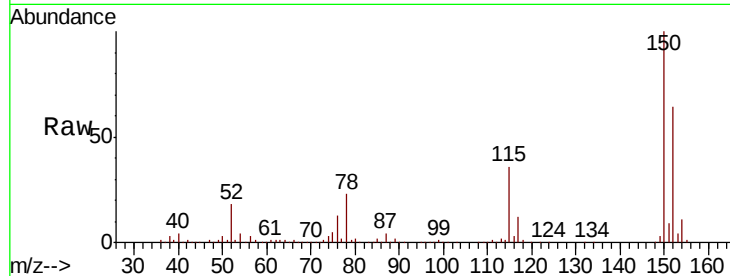


#1

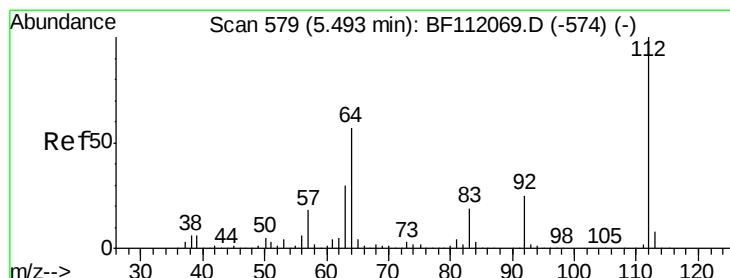
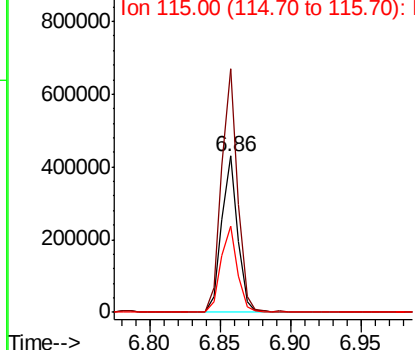
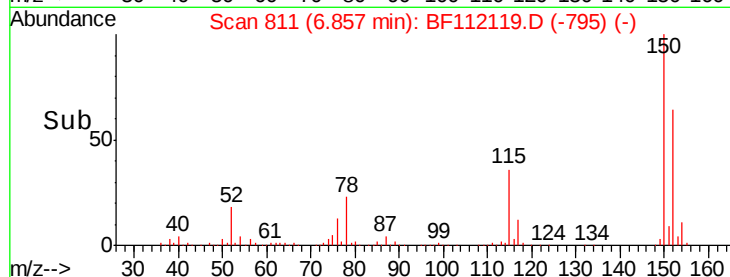
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

Instrument :
BNA_F
ClientSampleId :
WC-04-011519

Tot Ion:152 Resp: 343863
Ion Ratio Lower Upper
152 100
150 155.6 127.4 191.0
115 55.4 45.5 68.3



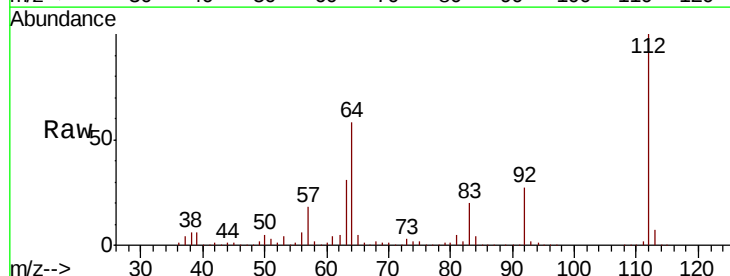
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



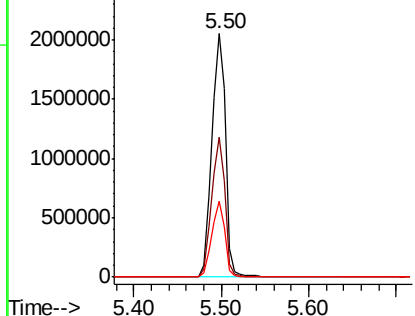
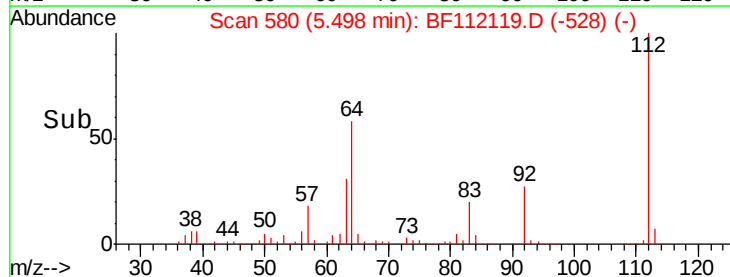
#5

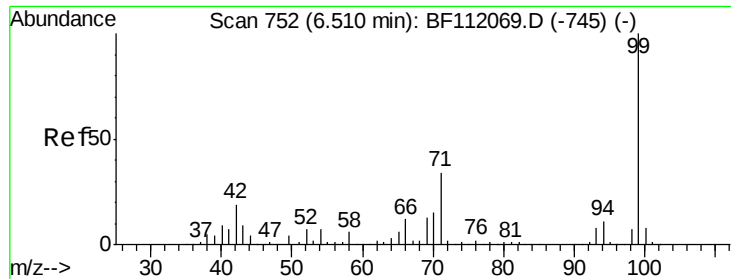
2-Fluorophenol
Concen: 118.495 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

Tgt Ion:112 Resp: 2244908
Ion Ratio Lower Upper
112 100
64 57.5 45.7 68.5
63 31.0 23.6 35.4



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: 119.349 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF112119.D

Acq: 18 Jan 2019 11:30

Instrument :

BNA_F

ClientSampleId :

WC-04-011519

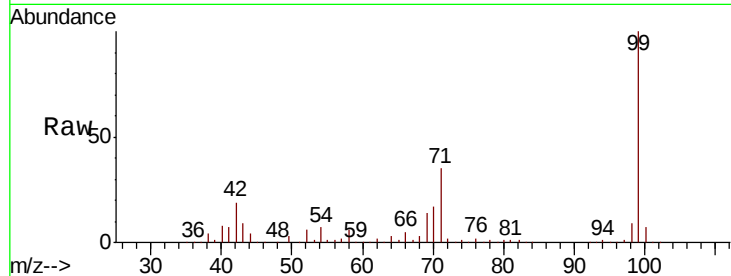
Tot Ion: 99 Resp: 2828975

Ion Ratio Lower Upper

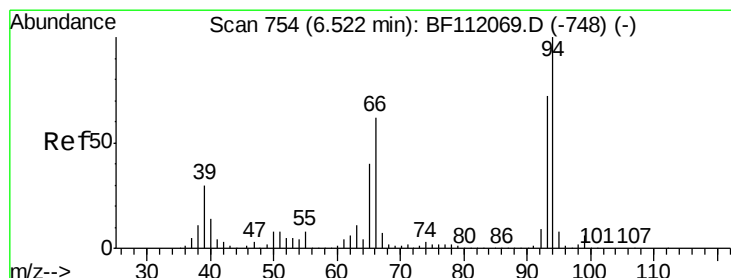
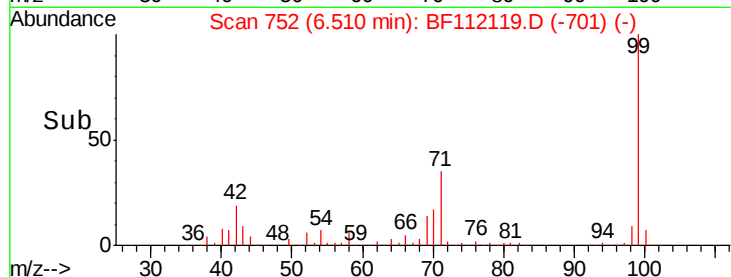
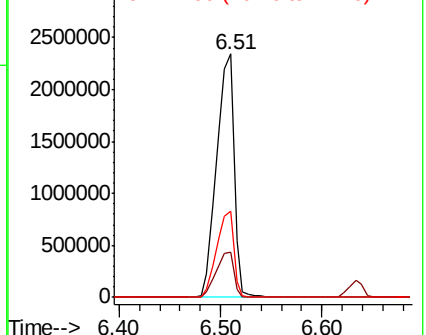
99 100

42 18.8 15.1 22.7

71 35.4 26.9 40.3



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: 2.359 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF112119.D

Acq: 18 Jan 2019 11:30

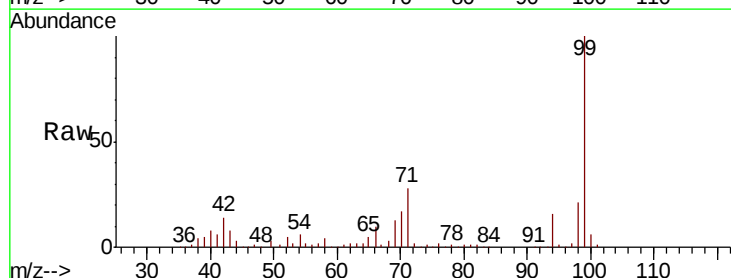
Tgt Ion: 94 Resp: 61106

Ion Ratio Lower Upper

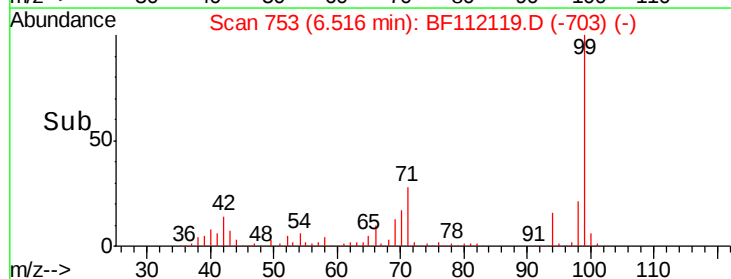
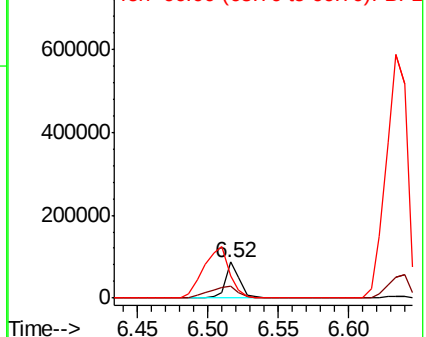
94 100

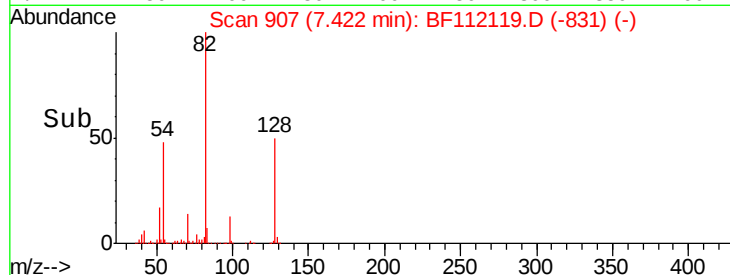
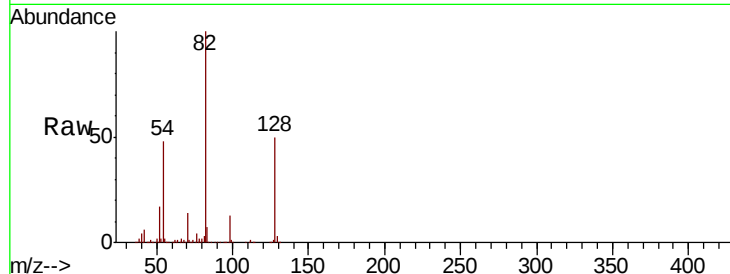
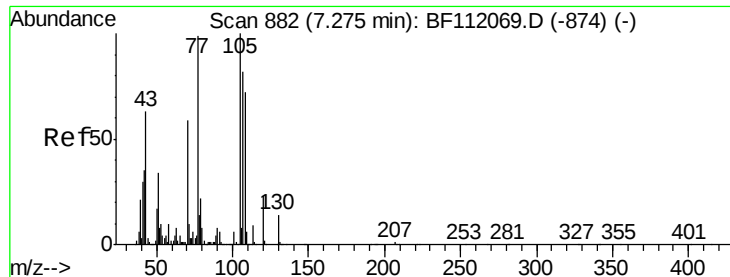
65 33.6 20.3 60.3

66 60.3 42.4 82.4



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

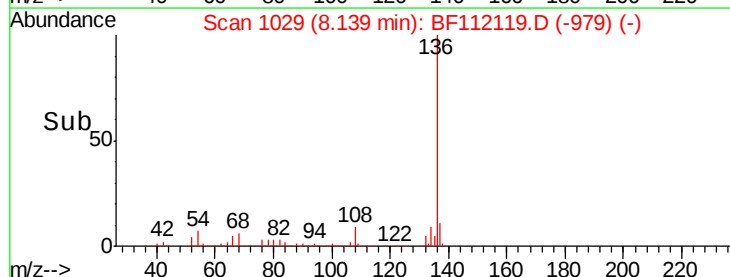
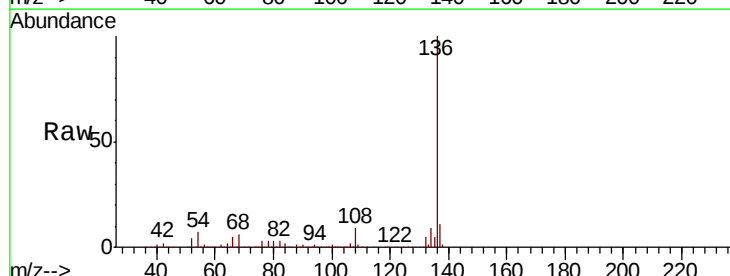
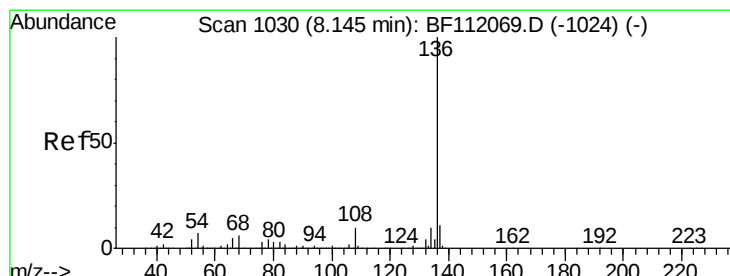
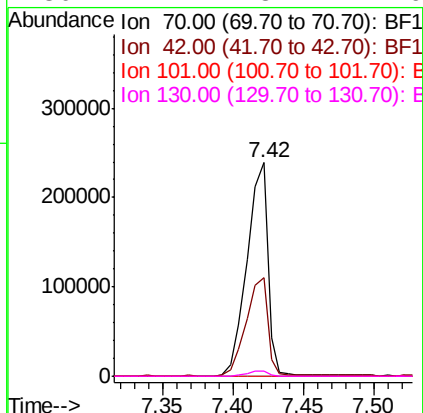




#19
n-Nitroso-di-n-propylamine
Concen: 17.441 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

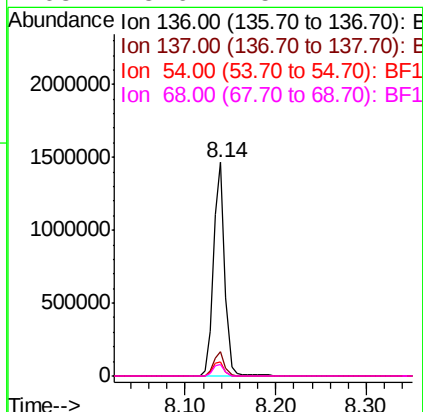
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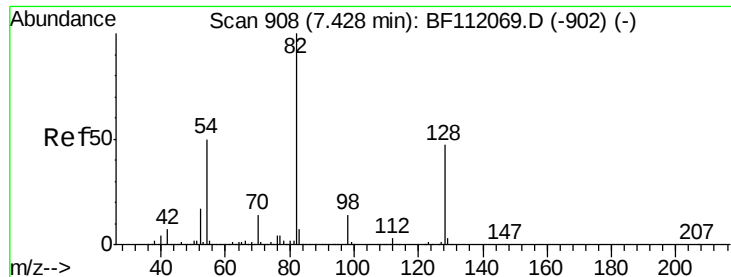
Tot Ion: 70 Resp: 251848
Ion Ratio Lower Upper
70 100
42 46.1 47.6 71.4#
101 0.0 7.9 11.9#
130 2.4 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

Tgt Ion: 136 Resp: 1271951
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 6.7 5.9 8.9
68 5.6 5.1 7.7

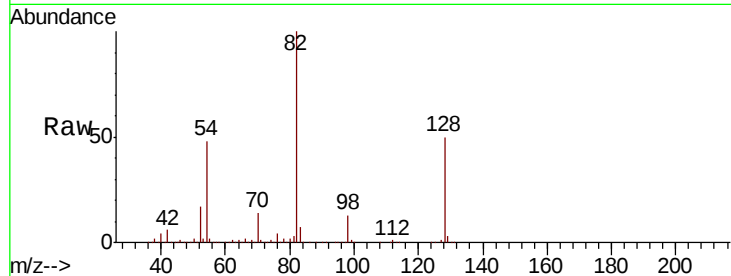




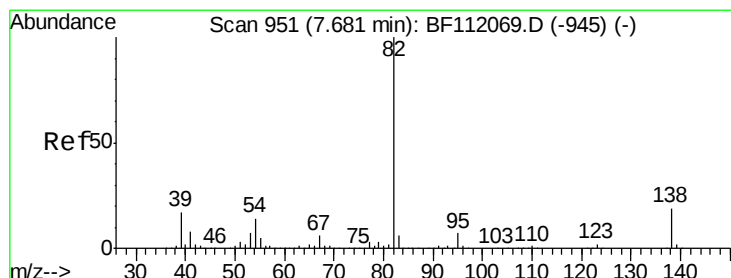
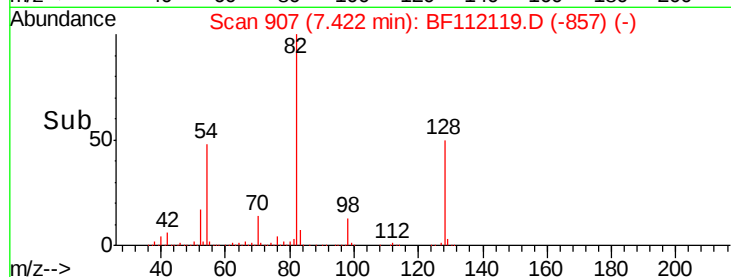
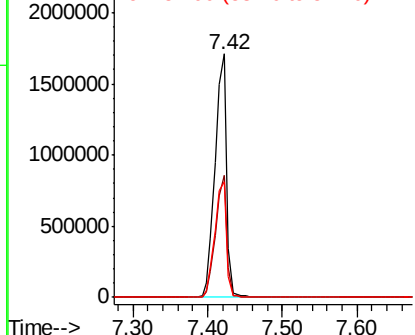
#23
Nitrobenzene-d5
Concen: 98.753 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

Instrument :
BNA_F
ClientSampleId :
WC-04-011519

Tot Ion: 82 Resp: 1818084
Ion Ratio Lower Upper
82 100
128 49.9 37.8 56.8
54 47.7 39.7 59.5

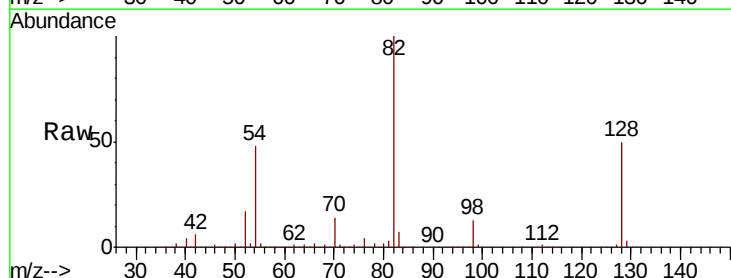


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

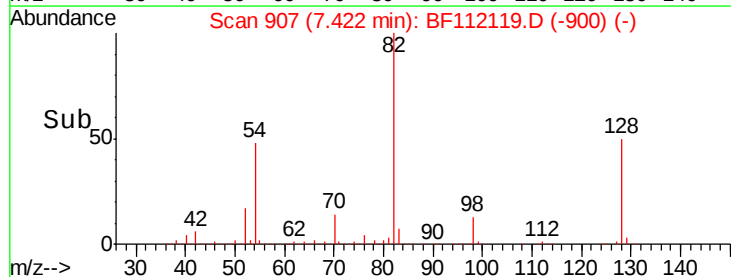
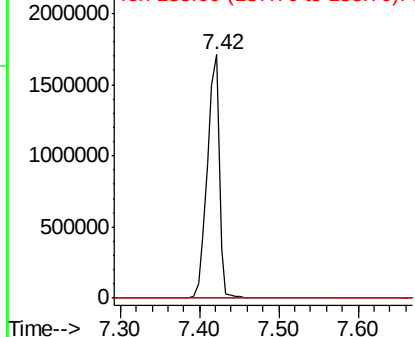


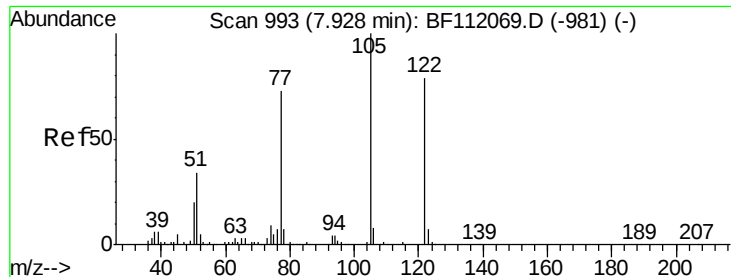
#25
Isophorone
Concen: 51.008 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

Tgt Ion: 82 Resp: 1813851
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#



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

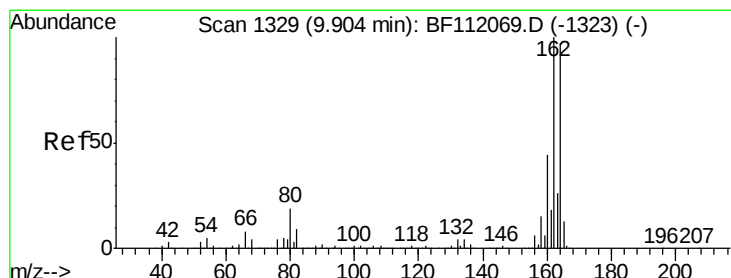
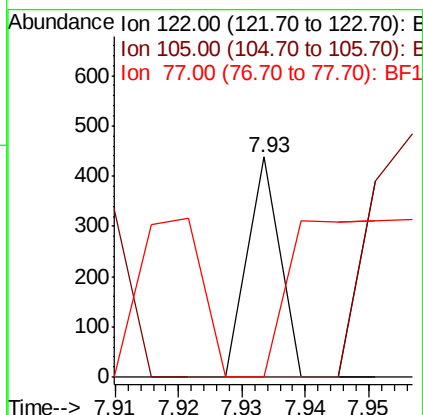
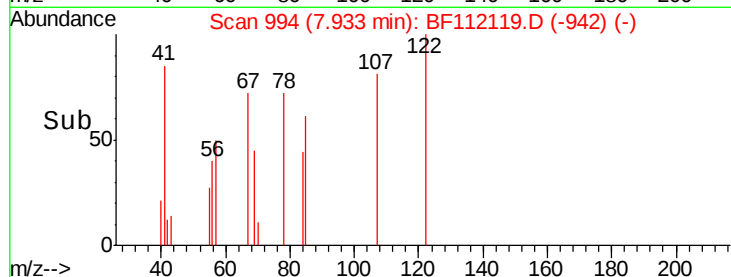
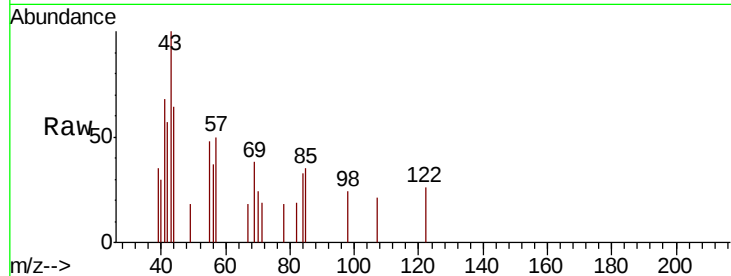




#32
Benzoic acid
Concen: 7.190 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.01 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

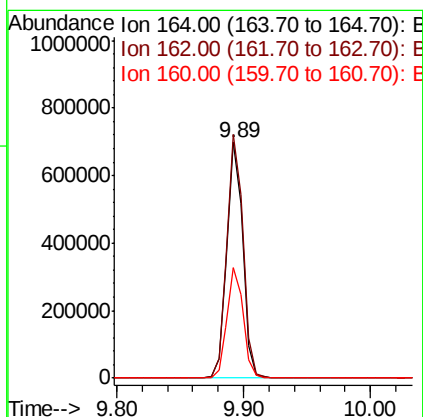
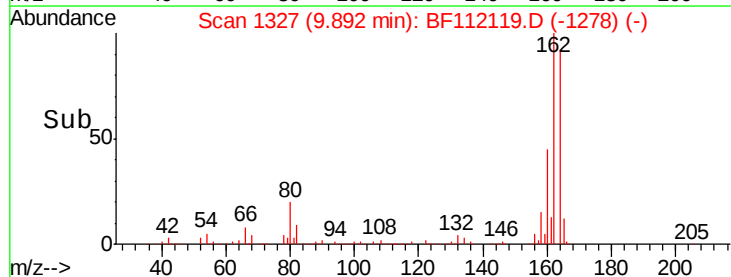
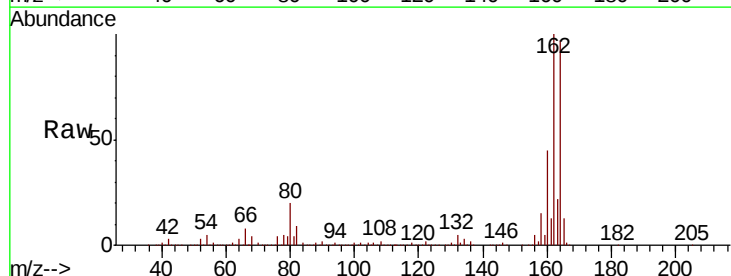
Instrument :
BNA_F
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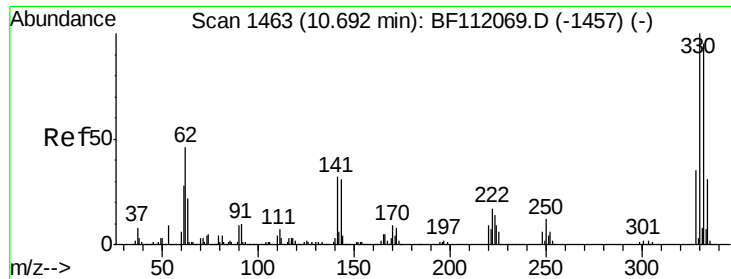
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.2	141.2#
77	0.0	70.4	110.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.2	123.4
160	46.7	36.2	54.4

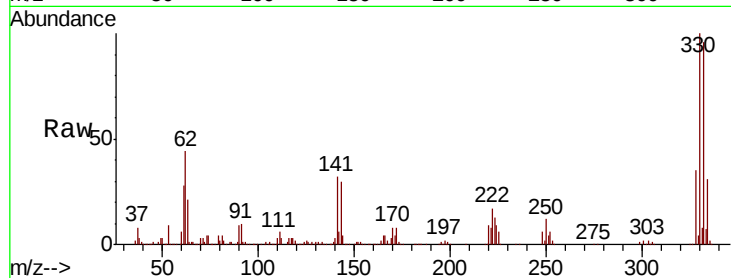




#42
 2,4,6-Tribromophenol
 Concen: 123.389 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112119.D
 Acq: 18 Jan 2019 11:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-011519

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	114.8
141	30.1	24.3	36.5

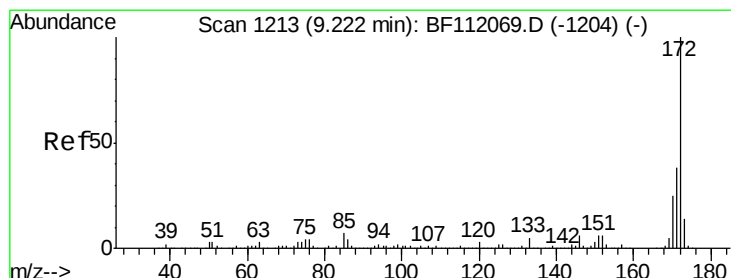
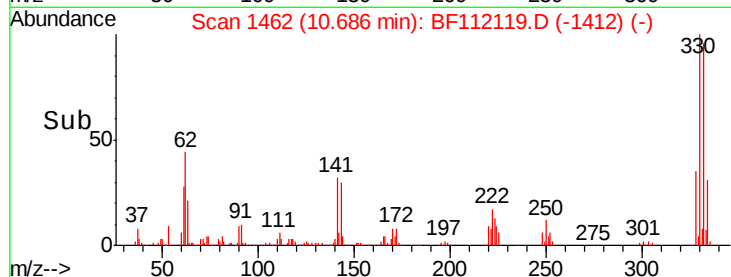
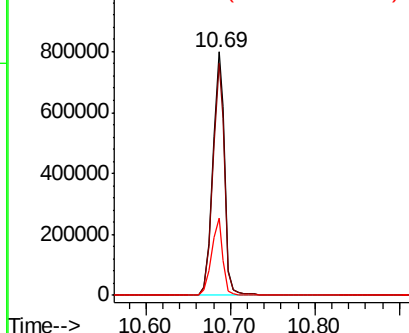


Abundance

Ion 329.80 (329.50 to 330.50): E

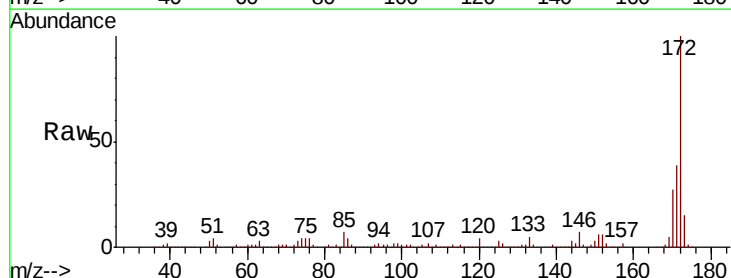
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 76.998 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF112119.D
 Acq: 18 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.5	30.5	45.7
170	26.7	20.2	30.4

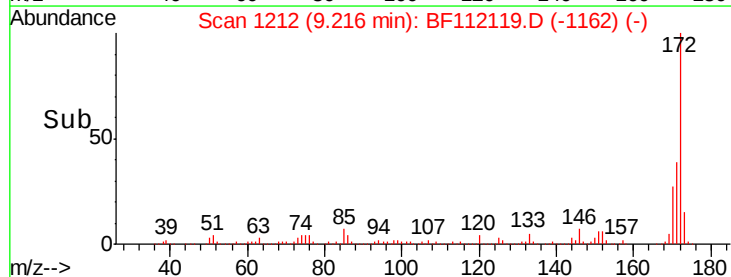
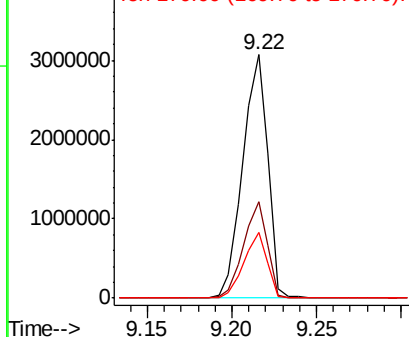


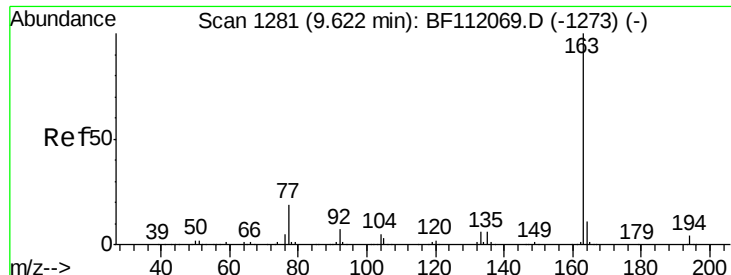
Abundance

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

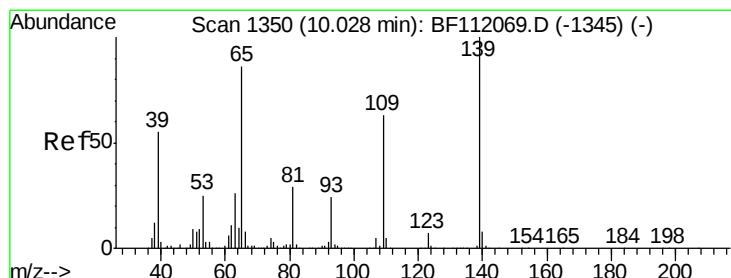
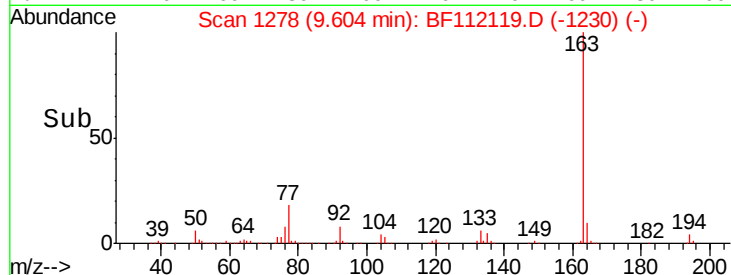
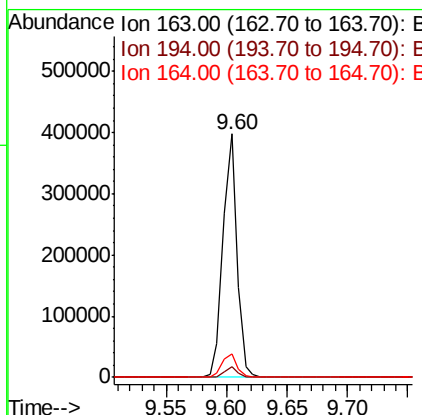
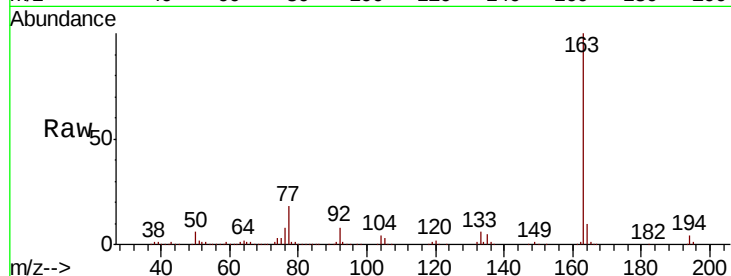




#50
Dimethylphthalate
Concen: 7.187 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

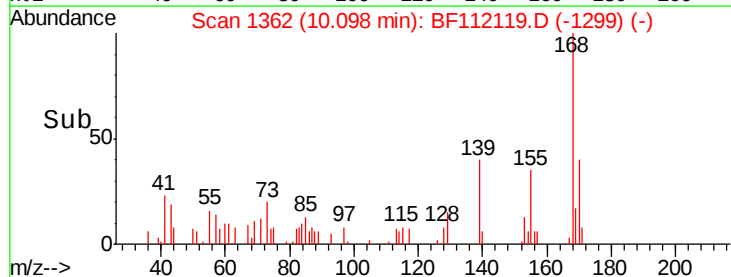
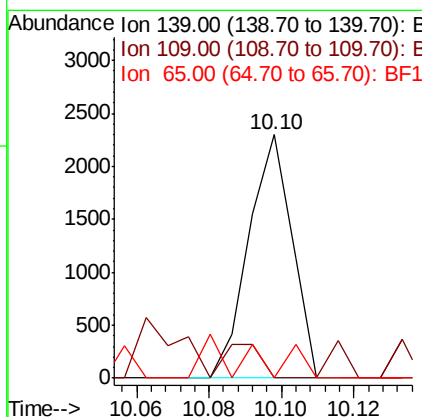
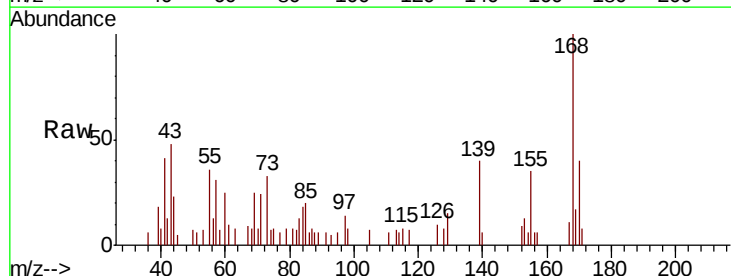
Instrument :
BNA_F
ClientSampleId :
WC-04-011519

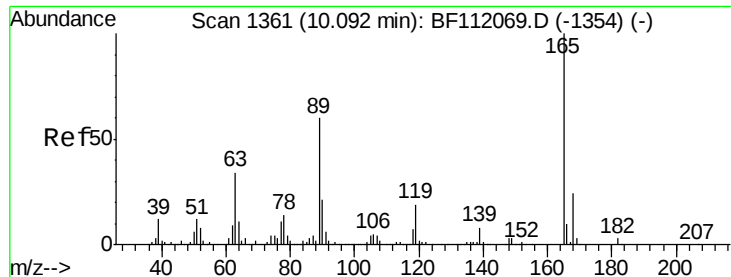
Tot Ion:163 Resp: 318783
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 9.7 8.5 12.7



#56
4-Nitrophenol
Concen: 5.904 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.07 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

Tgt Ion:139 Resp: 1901
Ion Ratio Lower Upper
139 100
109 0.0 42.8 82.8#
65 0.0 66.1 106.1#

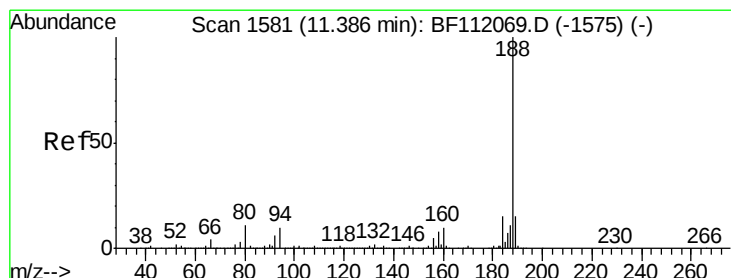
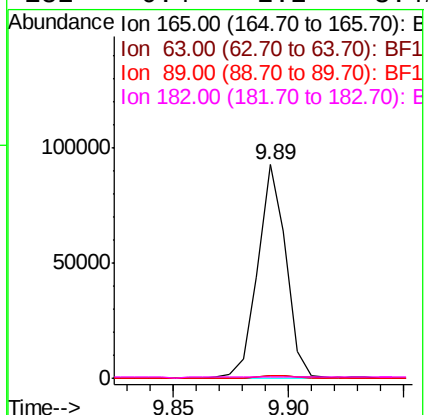
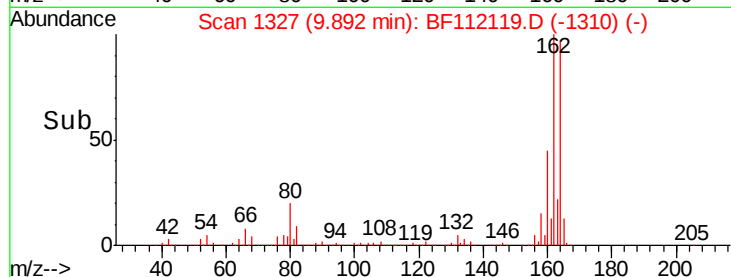
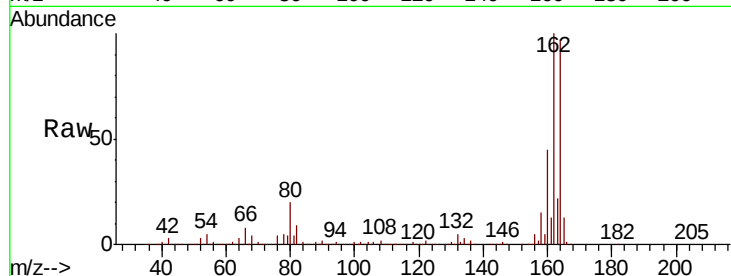




#57
2,4-Dinitrotoluene
Concen: 10.882 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.20 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

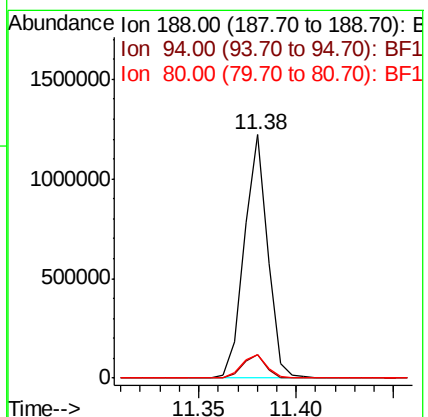
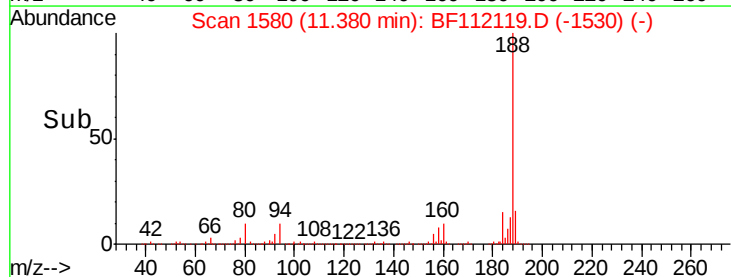
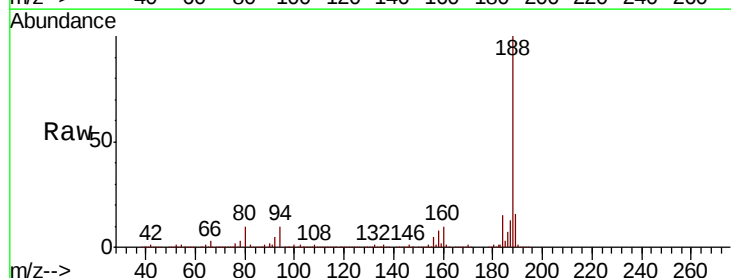
Instrument :
BNA_F
ClientSampleId :
WC-04-011519

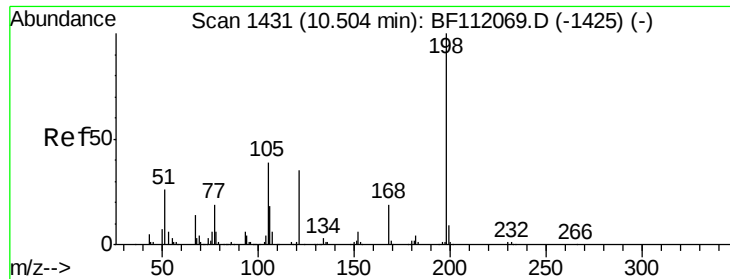
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.9	41.9#
89	1.5	47.9	71.9#
182	0.4	2.2	3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.2
80	9.7	8.9	13.3

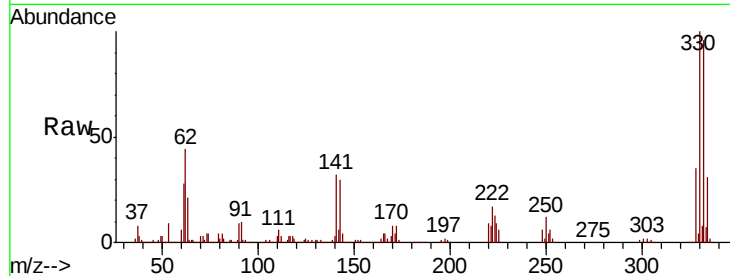




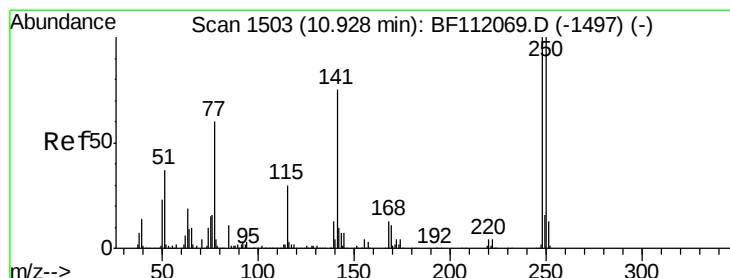
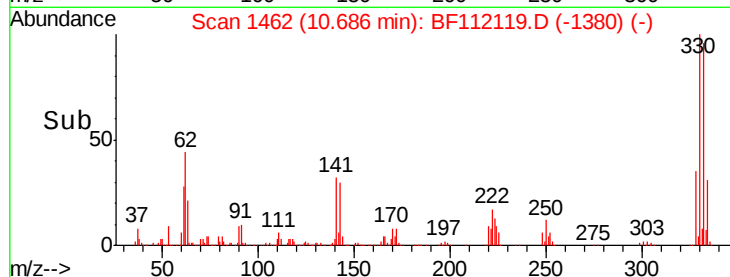
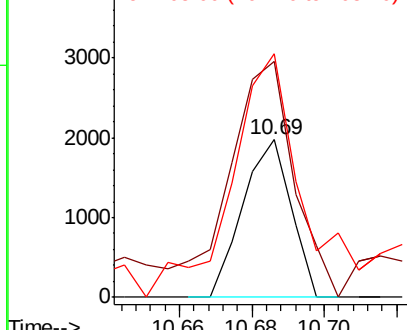
#65
 4,6-Dinitro-2-methylphenol
 Concen: 10.410 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.18 min
 Lab File: BF112119.D
 Acq: 18 Jan 2019 11:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-011519

Tot Ion:198 Resp: 1819
 Ion Ratio Lower Upper
 198 100
 51 149.8 17.2 57.2#
 105 154.5 21.9 61.9#

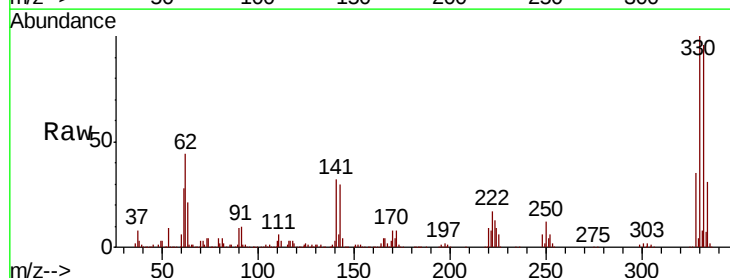


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

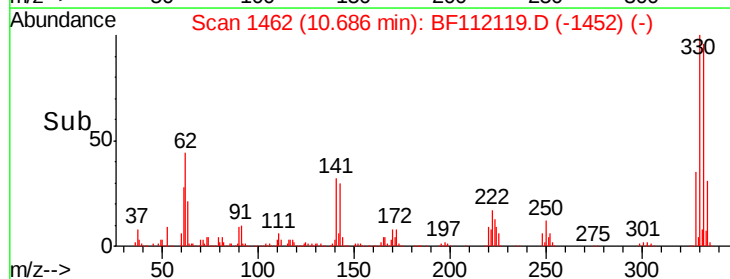
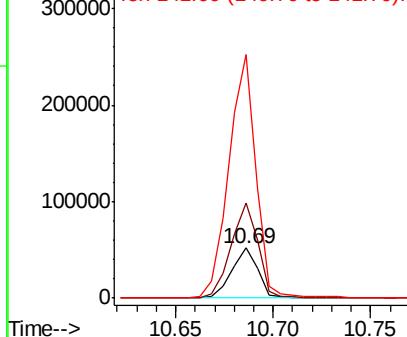


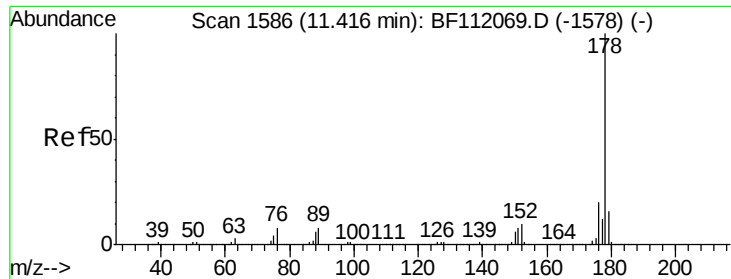
#67
 4-Bromophenyl-phenylether
 Concen: 4.141 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.24 min
 Lab File: BF112119.D
 Acq: 18 Jan 2019 11:30

Tgt Ion:248 Resp: 48753
 Ion Ratio Lower Upper
 248 100
 250 189.5 79.7 119.5#
 141 486.2 60.3 90.5#



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

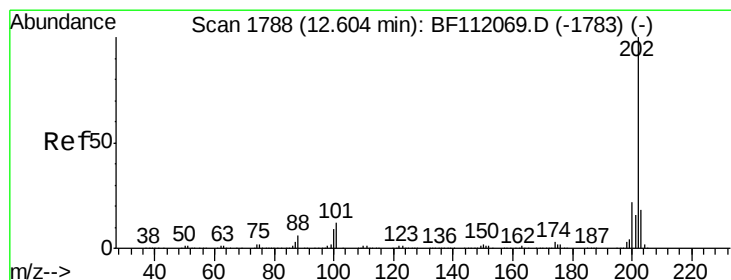
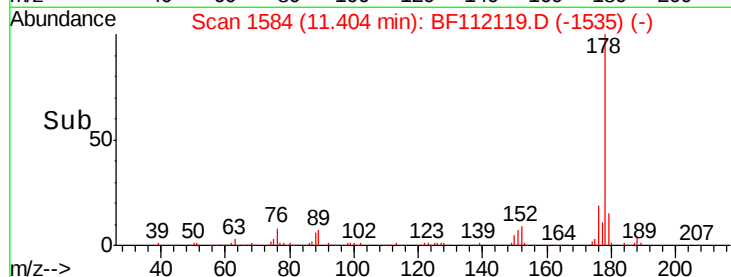
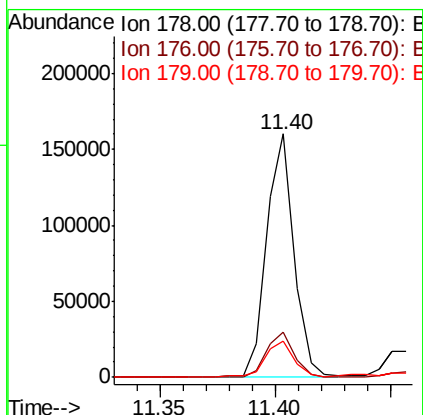
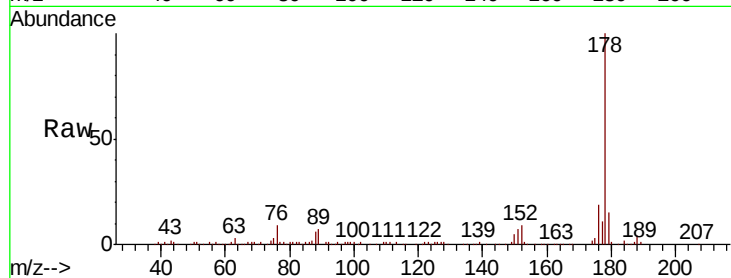




#71
Phenanthrene
Concen: 2.599 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

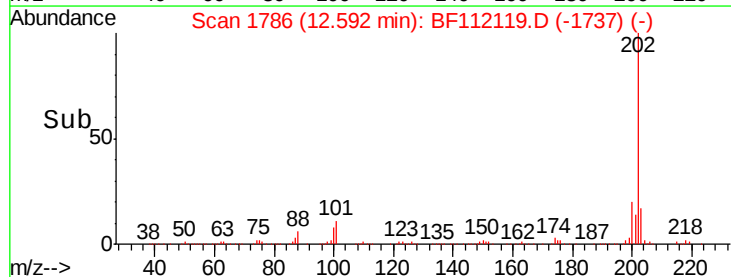
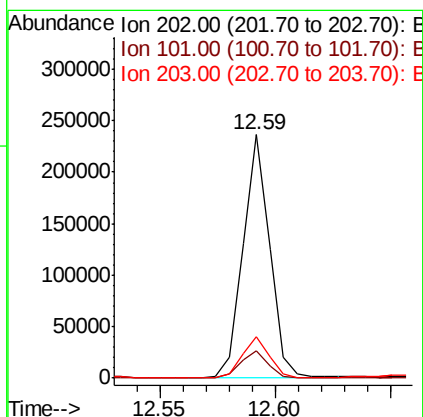
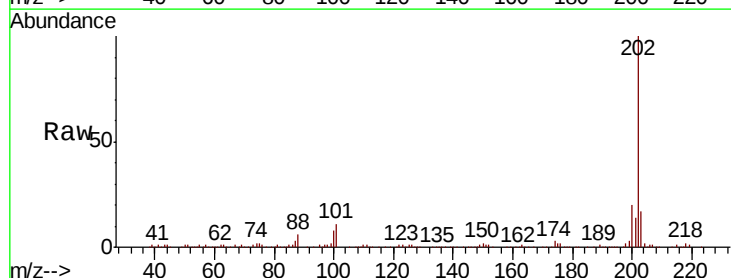
Instrument :
BNA_F
ClientSampleId :
WC-04-011519

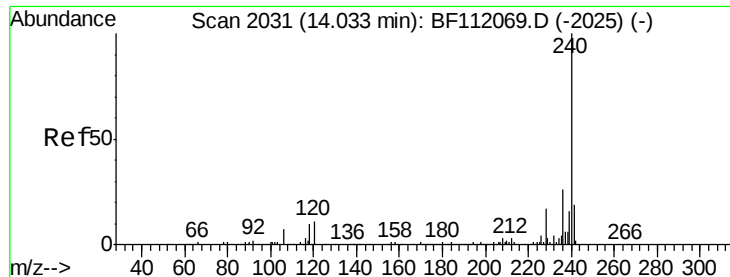
Tot Ion:178 Resp: 132549
Ion Ratio Lower Upper
178 100
176 18.8 16.3 24.5
179 14.9 13.0 19.4



#75
Fluoranthene
Concen: 3.553 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

Tgt Ion:202 Resp: 191357
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.8
203 16.8 0.0 38.4

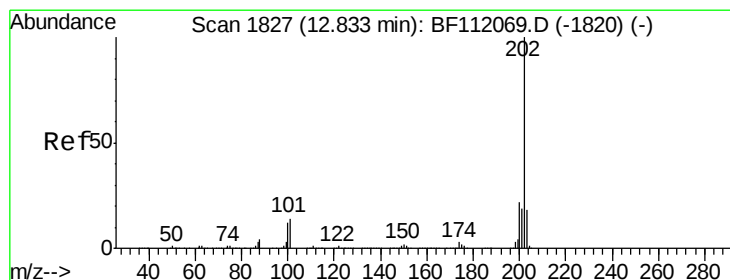
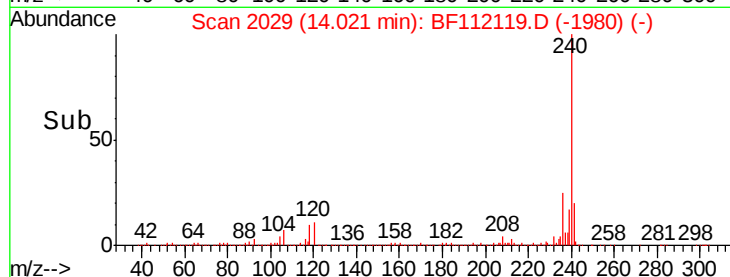
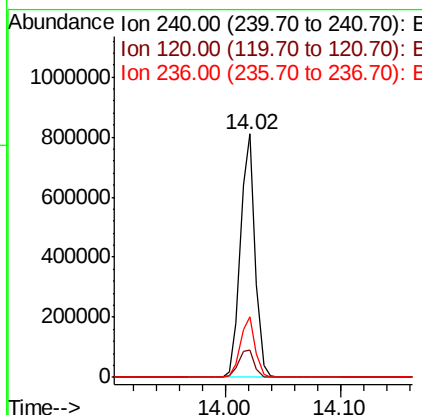
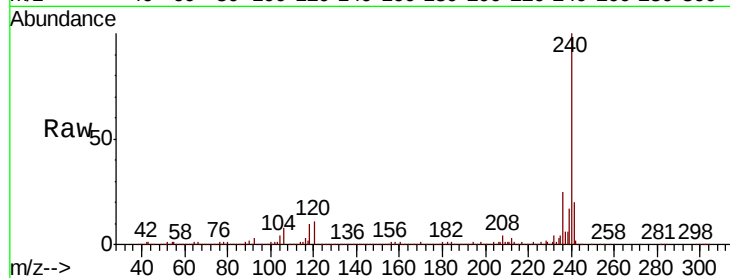




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF112119.D
 Acq: 18 Jan 2019 11:30

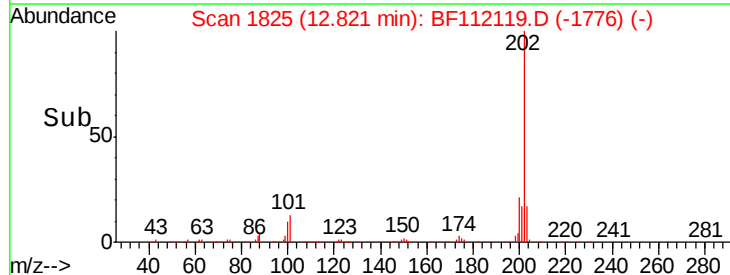
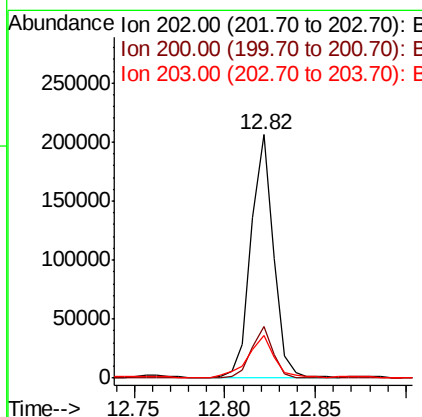
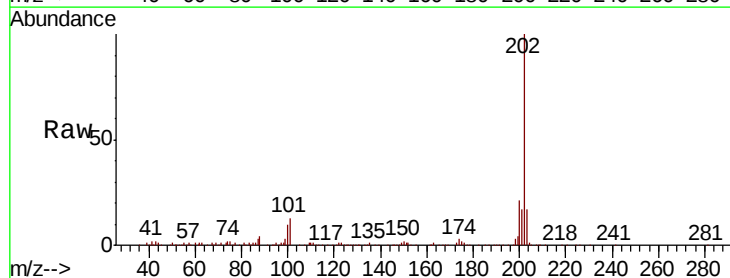
Instrument :
 BNA_F
 ClientSampleId :
 WC-04-011519

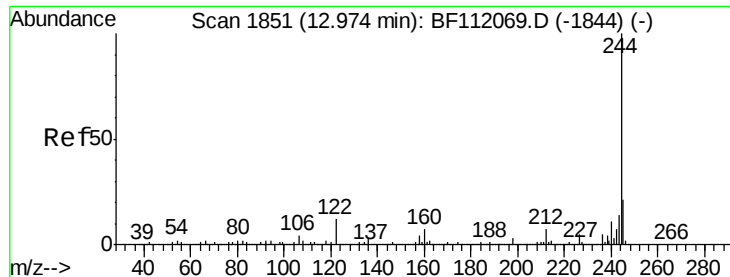
Tot Ion:240 Resp: 712983
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.0 13.6
 236 25.1 20.7 31.1



#78
 Pyrene
 Concen: 3.767 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF112119.D
 Acq: 18 Jan 2019 11:30

Tgt Ion:202 Resp: 177182
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.7 26.5
 203 17.3 14.6 22.0





#79

Terphenyl-d14

Concen: 77.226 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF112119.D

Acq: 18 Jan 2019 11:30

Instrument :

BNA_F

ClientSampleId :

WC-04-011519

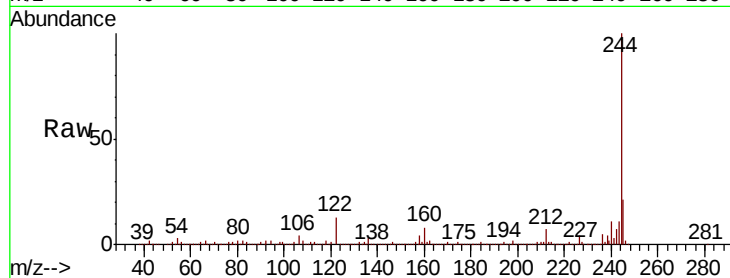
Tot Ion:244 Resp: 2588209

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

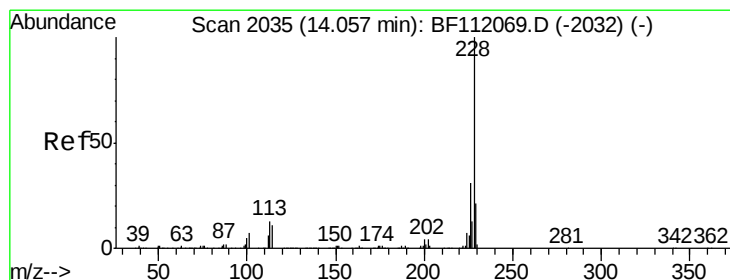
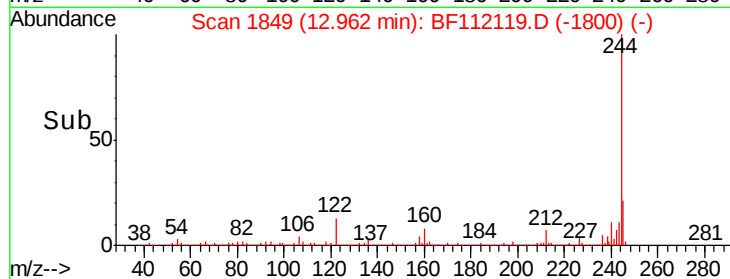
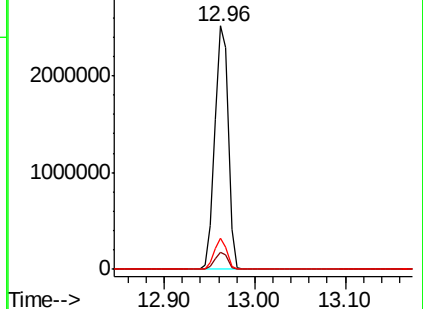
122 12.9 9.8 14.6



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



#83

Chrysene

Concen: 2.300 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF112119.D

Acq: 18 Jan 2019 11:30

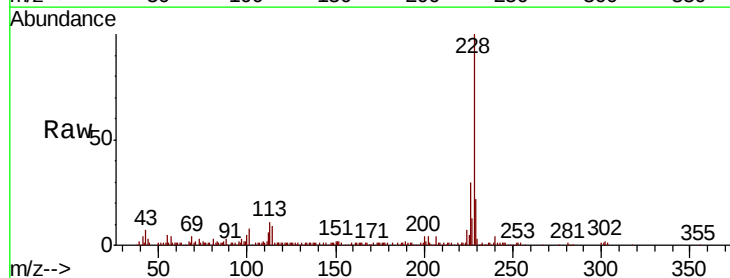
Tgt Ion:228 Resp: 88952

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

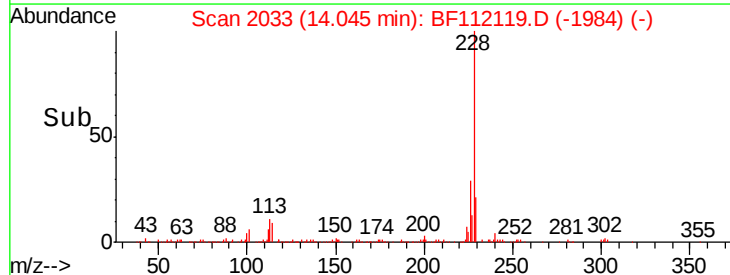
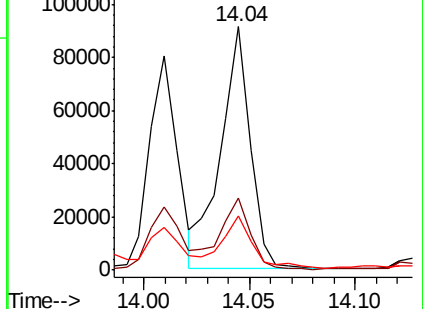
229 22.5 16.6 24.8

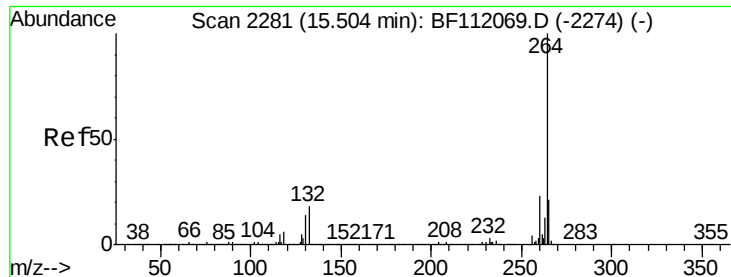


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

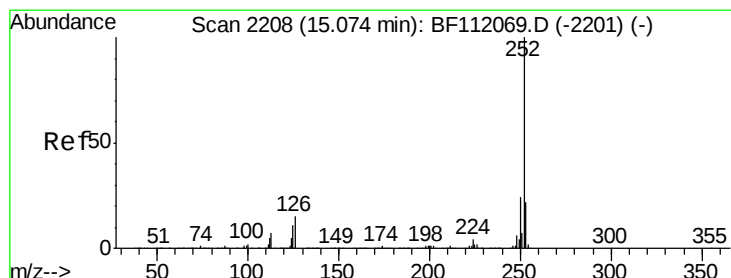
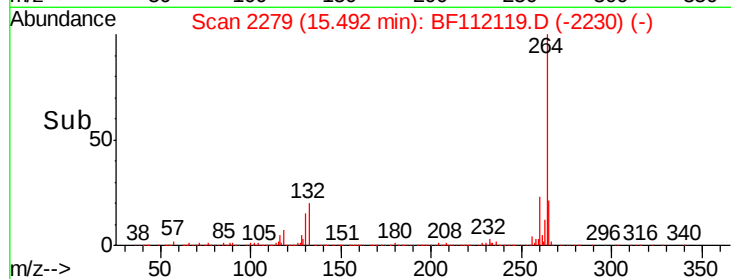
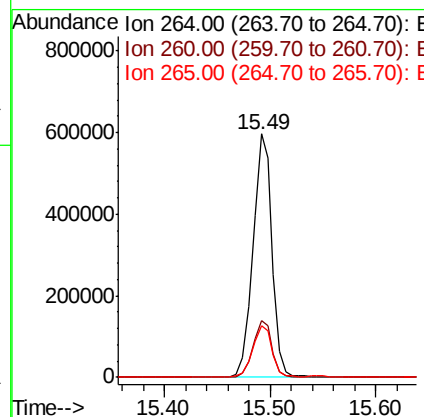
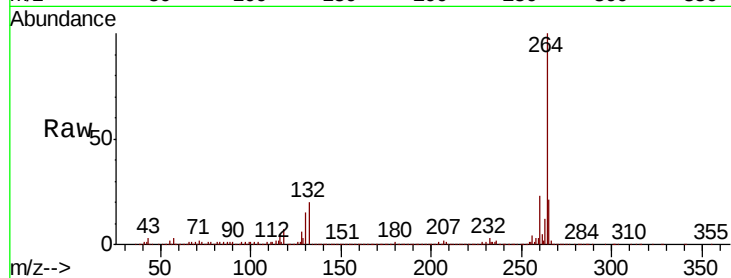




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

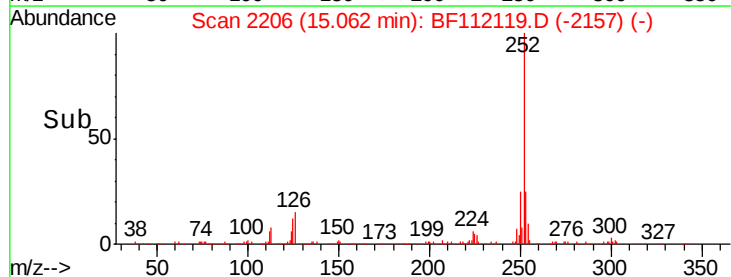
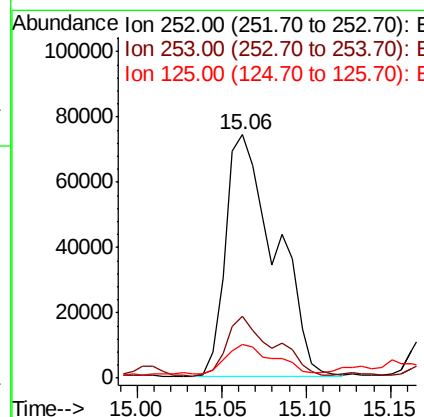
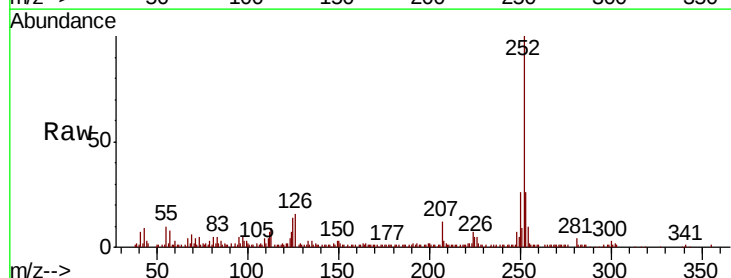
Instrument :
BNA_F
ClientSampleId :
WC-04-011519

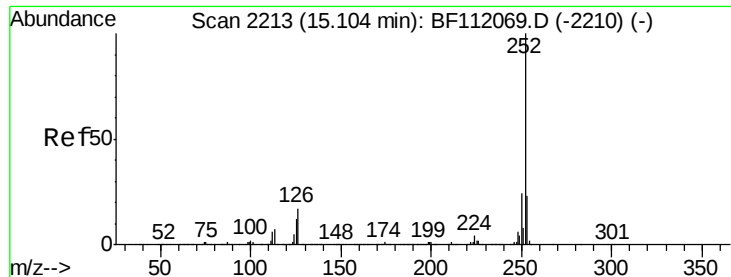
Tot Ion:264 Resp: 744213
Ion Ratio Lower Upper
264 100
260 23.4 18.2 27.2
265 21.3 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 3.603 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112119.D
Acq: 18 Jan 2019 11:30

Tgt Ion:252 Resp: 152200
Ion Ratio Lower Upper
252 100
253 25.5 18.0 27.0
125 13.8 8.7 13.1#





#89

Benzo(k)fluoranthene

Concen: 3.713 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.04 min

Lab File: BF112119.D

Acq: 18 Jan 2019 11:30

Instrument :

BNA_F

ClientSampleId :

WC-04-011519

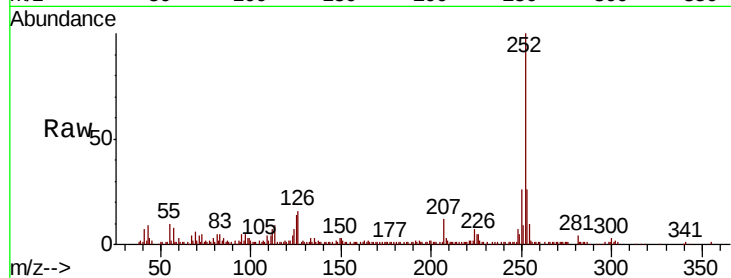
Tot Ion:252 Resp: 151806

Ion Ratio Lower Upper

252 100

253 25.5 18.0 27.0

125 13.8 9.1 13.7#



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

