

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116671.D
 Acq On : 31 Aug 2019 1:03
 Operator : HP/JU
 Sample : K4613-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 03:43:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	97566	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	369009	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	194917	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	338861	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	278018	20.00	ng	-0.01
87) Perylene-d12	15.44	264	287020	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	927077	153.94	ng	0.00
7) Phenol-d6	6.47	99	1285251	162.52	ng	0.00
23) Nitrobenzene-d5	7.40	82	788224	121.94	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	238404	182.96	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1212444	104.93	ng	0.00
79) Terphenyl-d14	12.94	244	1344549	89.47	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.60	79	107	0.013	ng	# 29
4) n-Nitrosodimethylamine	3.33	42	339	0.123	ng	# 1
6) Aniline	6.49	93	986	0.090	ng	# 1
8) 2-Chlorophenol	6.63	128	249	0.038	ng	# 1
9) Benzaldehyde	6.47	77	2260	0.434	ng	# 2
10) Phenol	6.49	94	40731	4.651	ng	# 94
11) bis(2-Chloroethyl)ether	6.62	93	1351	0.198	ng	# 1
15) Benzyl Alcohol	7.00	79	12122	1.888	ng	# 46
17) 2-Methylphenol	6.97	107	119	0.021	ng	# 1
19) n-Nitroso-di-n-propylamine	7.40	70	105277	20.219	ng	# 75
20) 3+4-Methylphenols	6.97	107	119	0.018	ng	# 1
24) Nitrobenzene	7.40	77	2448	0.372	ng	# 34
25) Isophorone	7.40	82	784898	59.924	ng	# 66
28) bis(2-Chloroethoxy)methane	8.13	93	117	0.015	ng	# 1
35) Caprolactam	8.50	113	126	0.071	ng	# 41
38) 1-Methylnaphthalene	9.20	142	584	0.053	ng	# 32
46) 1,1'-Biphenyl	9.30	154	2480	0.168	ng	# 87
47) 2-Chloronaphthalene	9.59	162	355	0.030	ng	# 1
48) 2-Nitroaniline	9.59	65	1035	0.306	ng	# 1
49) Acenaphthylene	9.74	152	247	0.014	ng	# 61
50) Dimethylphthalate	9.59	163	115361	8.573	ng	# 98
51) 2,6-Dinitrotoluene	9.59	165	1272	0.495	ng	# 43
52) Acenaphthene	9.88	154	729	0.067	ng	# 5
57) 2,4-Dinitrotoluene	9.88	165	24417	7.778	ng	# 21
58) Fluorene	10.67	166	12225	1.046	ng	# 84
60) Diethylphthalate	10.29	149	553	0.041	ng	# 60
63) Azobenzene	10.58	77	119	0.008	ng	# 52
65) 4,6-Dinitro-2-methylphenol	10.66	198	585	7.847	ng	# 1
66) n-Nitrosodiphenylamine	10.66	169	9691	0.827	ng	# 52
67) 4-Bromophenyl-phenylether	10.67	248	15803	4.591	ng	# 1
71) Phenanthrene	11.38	178	796	0.042	ng	# 69
72) Anthracene	11.43	178	146	0.008	ng	# 60
73) Carbazole	11.59	167	332	0.018	ng	# 58
74) Di-n-butylphthalate	11.92	149	2189	0.094	ng	# 79

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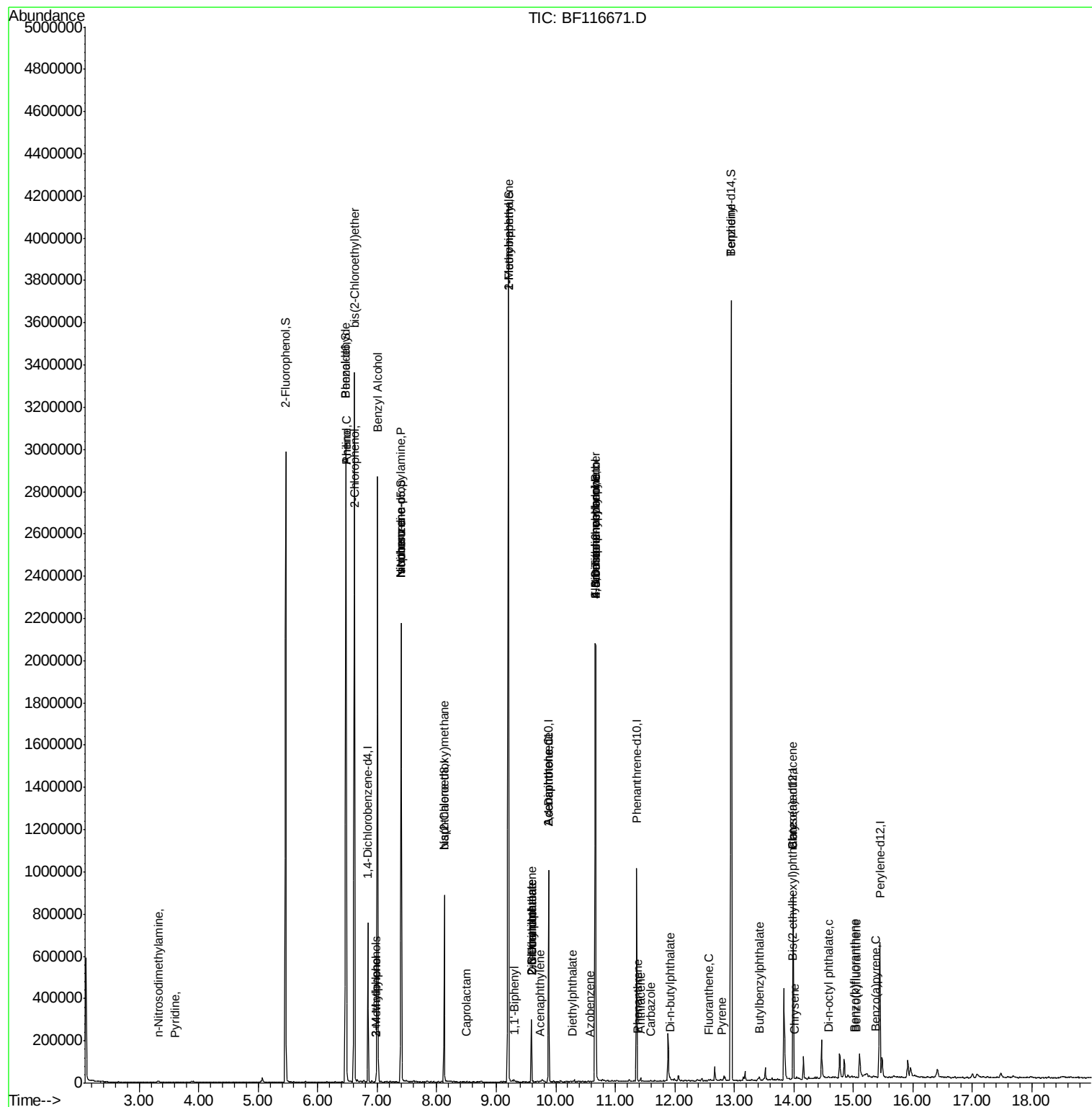
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) Fluoranthene	12.57	202	1105	0.060	nq	59
77) Benzdine	12.94	184	19549	1.793	nq #	92
78) Pyrene	12.79	202	1027	0.042	nq #	58
80) Butylbenzylphthalate	13.41	149	251	0.021	nq #	57
81) Benzo(a)anthracene	13.99	228	1262	0.072	nq #	51
83) Chrysene	14.02	228	512	0.028	nq #	50
84) Bis(2-ethylhexyl)phthalate	13.97	149	1023	0.069	nq #	53
85) Di-n-octyl phthalate	14.58	149	270	0.011	nq #	1
88) Benzo(b)fluoranthene	15.02	252	637	0.037	nq #	60
89) Benzo(k)fluoranthene	15.04	252	242	0.015	nq #	1
90) Benzo(a)pyrene	15.38	252	230	0.015	nq #	1

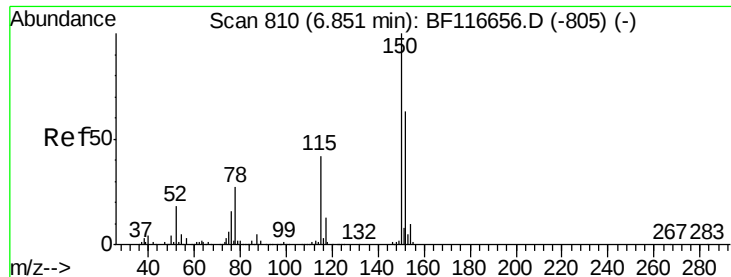
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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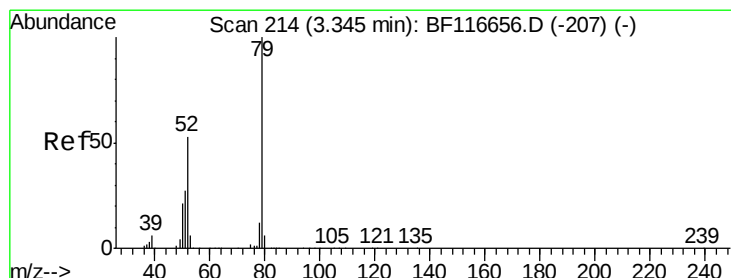
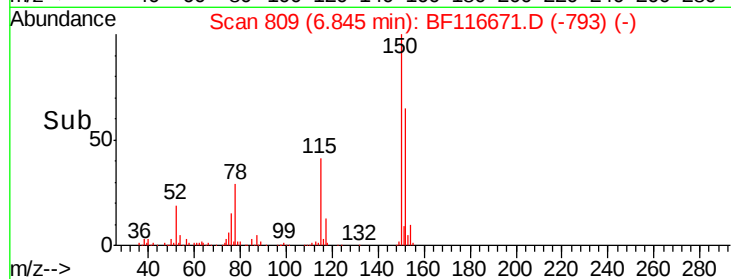
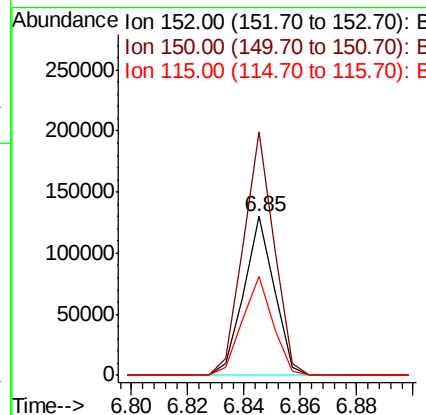
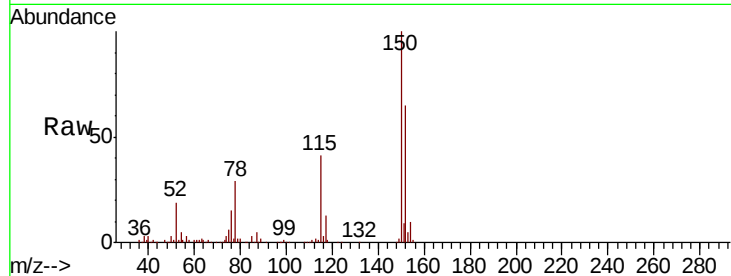


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Instrument :
BNA_F
ClientSampleId :

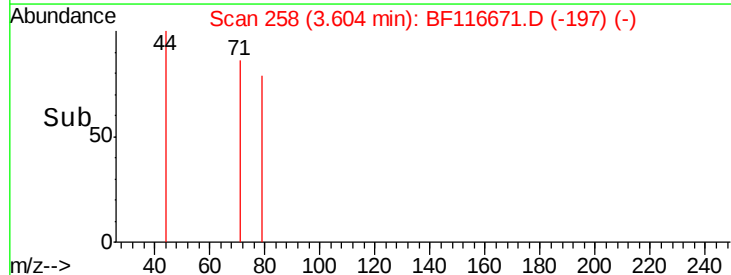
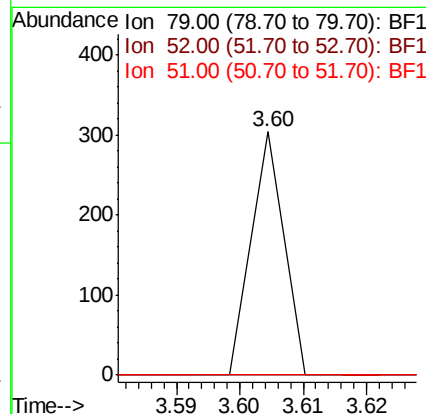
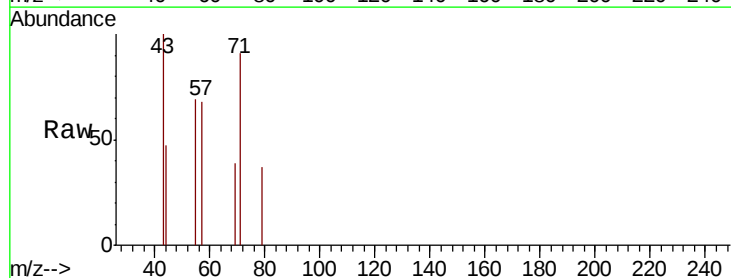
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.4	186.6
115	62.5	49.9	74.9

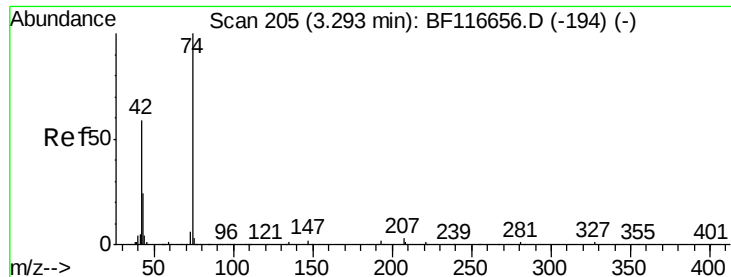


#3

Pyridine
Concen: 0.013 ng
RT: 3.60 min Scan# 258
Delta R.T. 0.26 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Tgt Ion	Ratio	Lower	Upper
79	100		
52	0.0	47.4	71.0#
51	0.0	24.1	36.1#



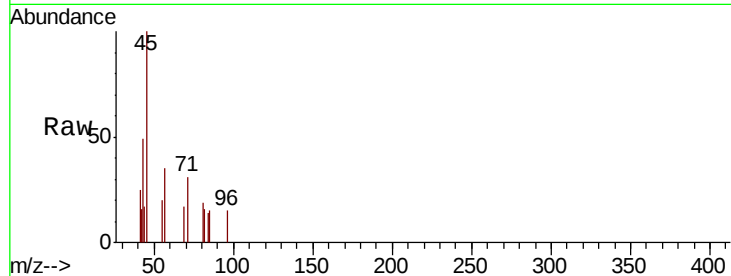


#4

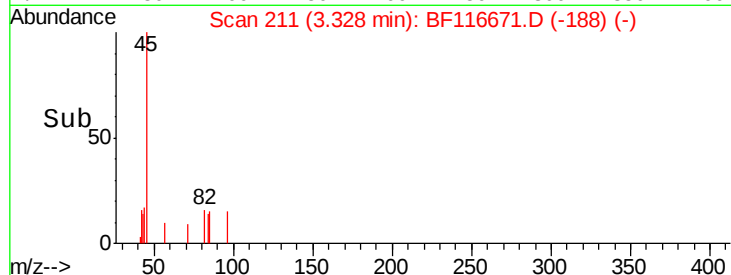
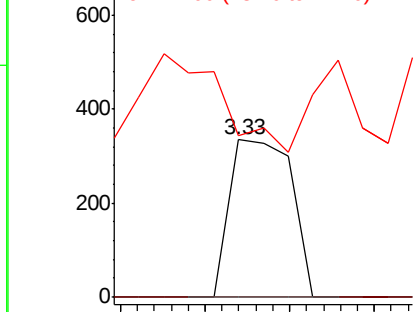
n-Nitrosodimethylamine
 Concen: 0.123 ng
 RT: 3.33 min Scan# 211
 Delta R.T. 0.04 min
 Lab File: BF116671.D
 Acq: 31 Aug 2019 1:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	115.6	173.4#
44	102.7	4.6	7.0#



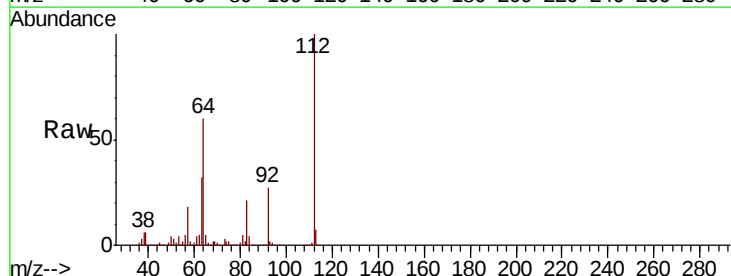
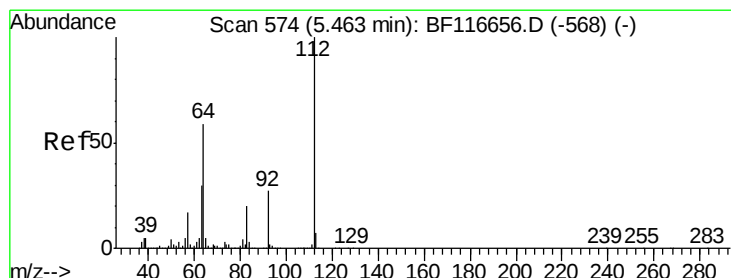
Abundance Ion 42.00 (41.70 to 42.70): BF1
 Ion 74.00 (73.70 to 74.70): BF1
 Ion 44.00 (43.70 to 44.70): BF1



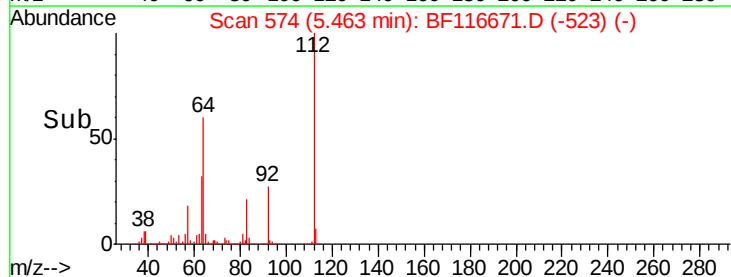
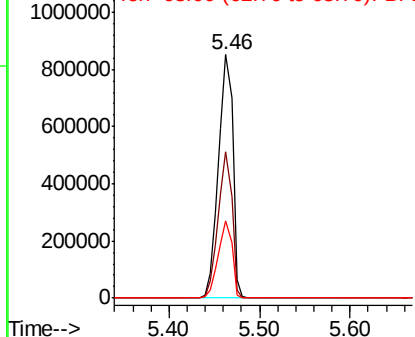
#5

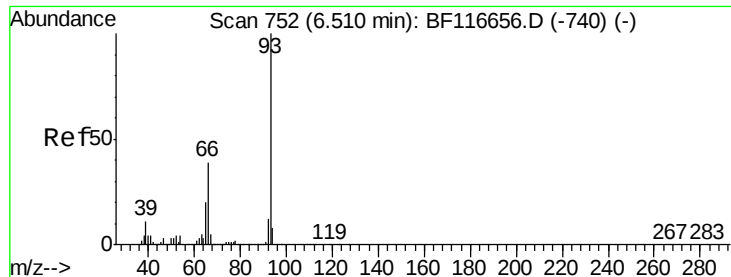
2-Fluorophenol
 Concen: 153.939 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF116671.D
 Acq: 31 Aug 2019 1:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.1	70.7
63	31.9	24.9	37.3



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





#6

Aniline

Concen: 0.090 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampleId :

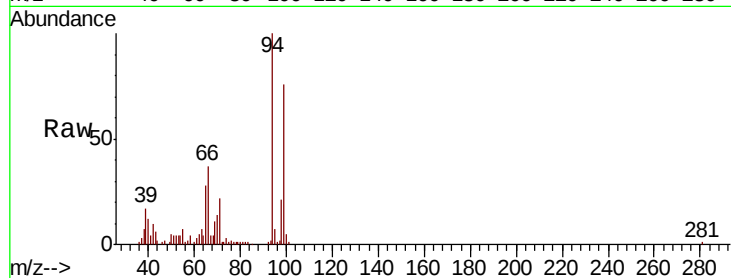
Tot Ion: 93 Resp: 986

Ion Ratio Lower Upper

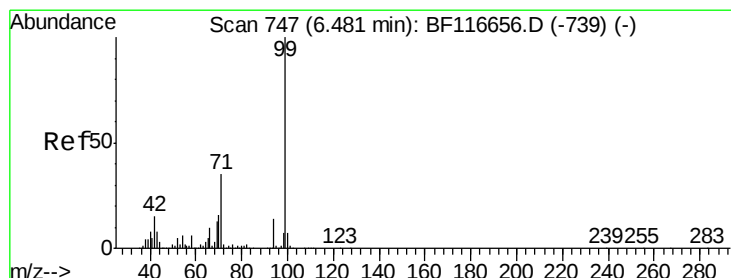
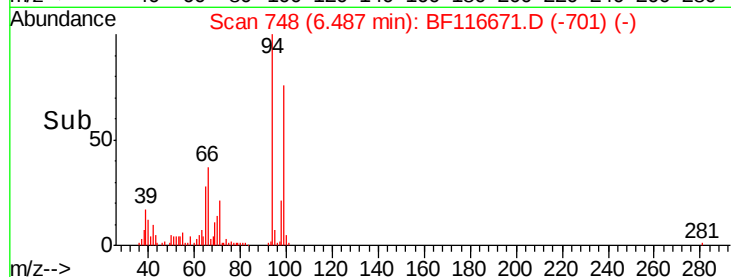
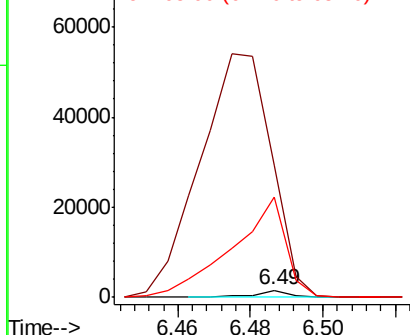
93 100

66 1894.2 32.7 49.1#

65 1446.4 16.3 24.5#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 162.524 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

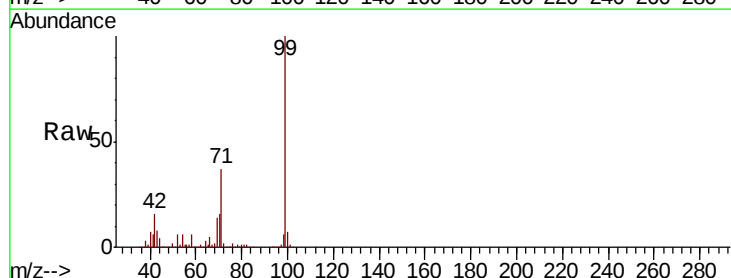
Tgt Ion: 99 Resp: 1285251

Ion Ratio Lower Upper

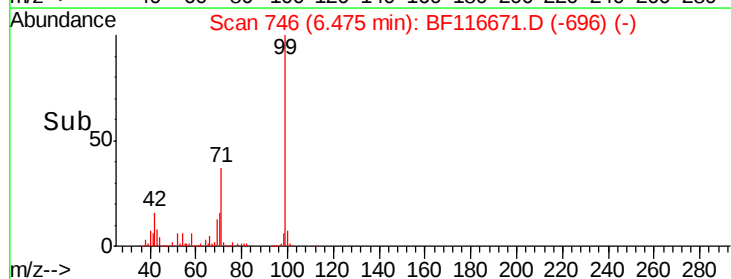
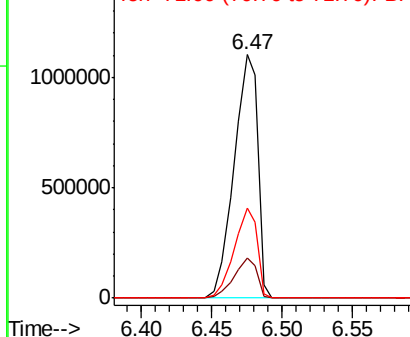
99 100

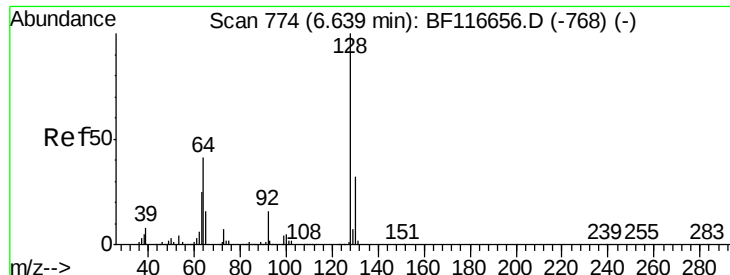
42 16.5 13.7 20.5

71 37.0 30.8 46.2



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





#8

2-Chlorophenol

Concen: 0.038 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampleId :

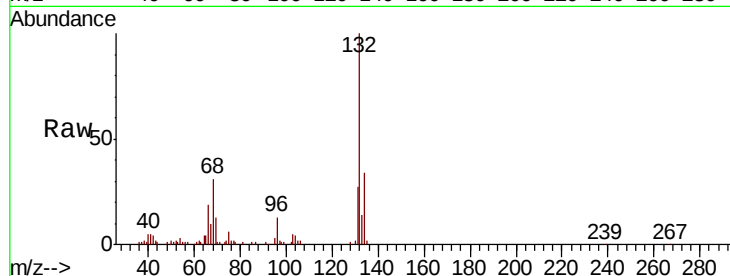
Tot Ion:128 Resp: 249

Ion Ratio Lower Upper

128 100

130 320.8 12.3 52.3#

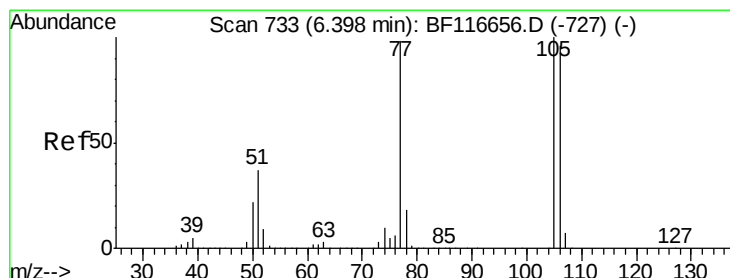
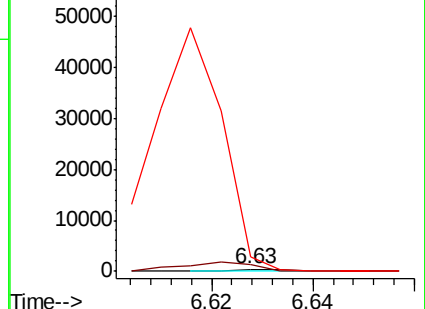
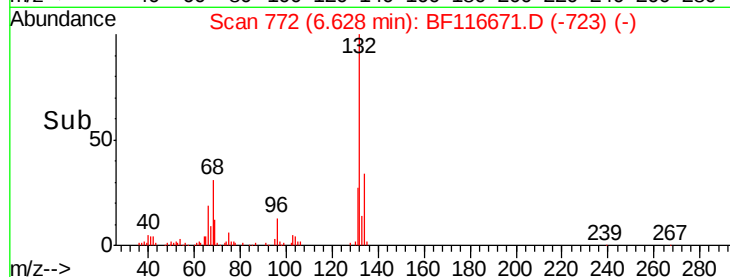
64 690.6 22.5 62.5#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1



#9

Benzaldehyde

Concen: 0.434 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.08 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

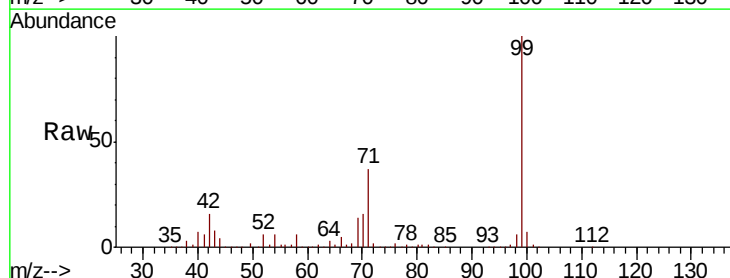
Tgt Ion: 77 Resp: 2260

Ion Ratio Lower Upper

77 100

105 0.0 76.7 116.7#

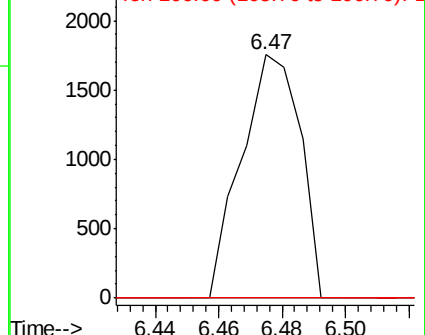
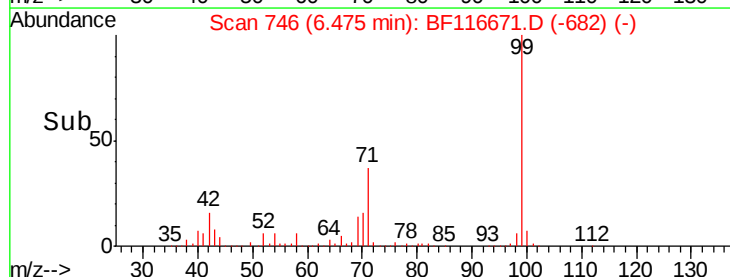
106 0.0 73.1 113.1#

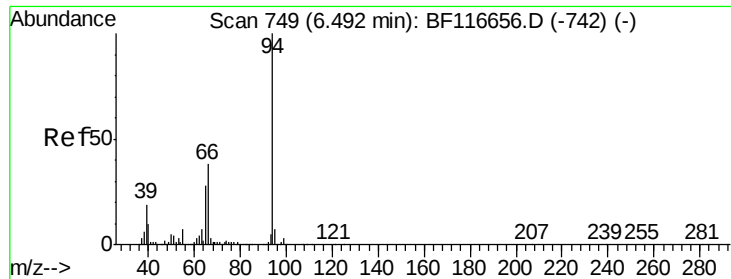


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.651 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampled :

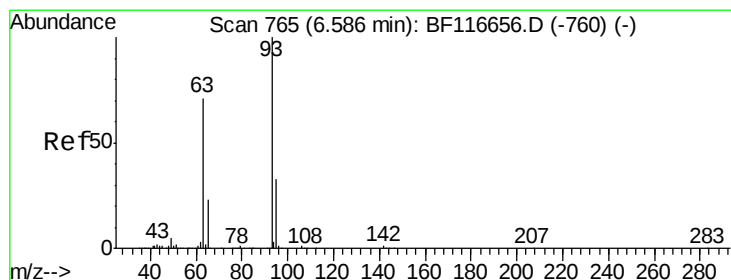
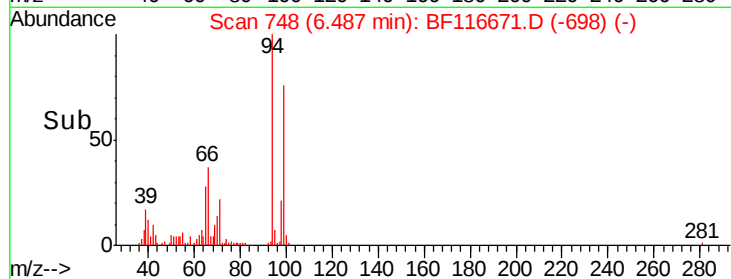
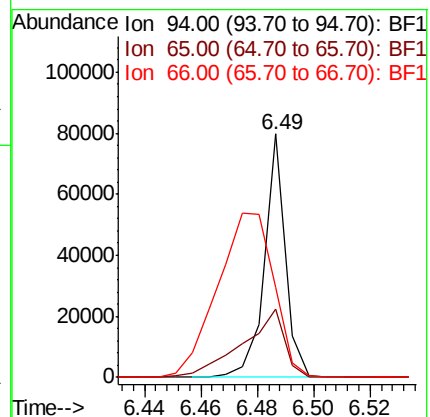
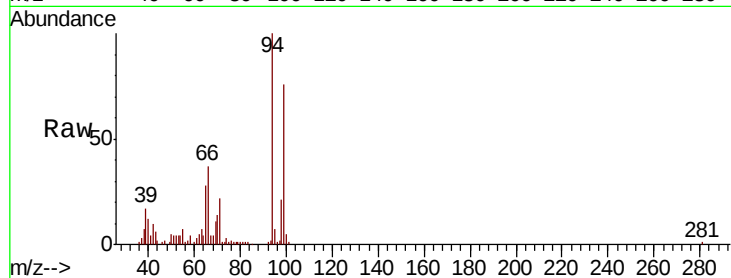
Tot Ion: 94 Resp: 40731

Ion Ratio Lower Upper

94 100

65 28.0 10.8 50.8

66 36.7 21.1 61.1



#11

bis(2-Chloroethyl)ether

Concen: 0.198 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.04 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

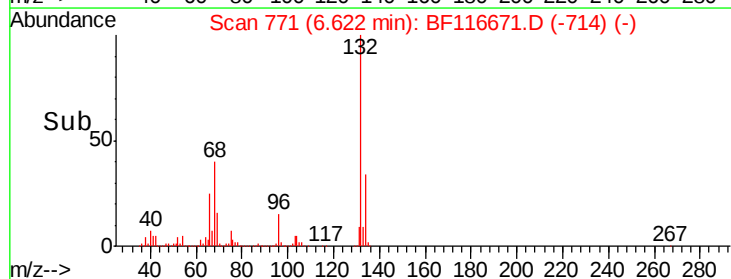
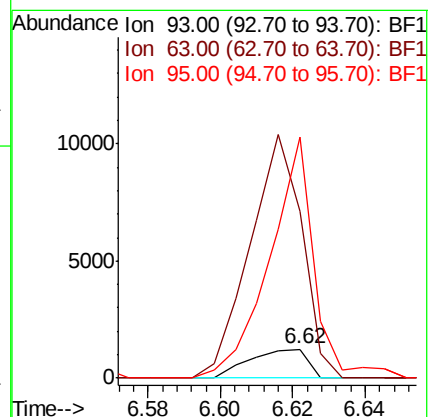
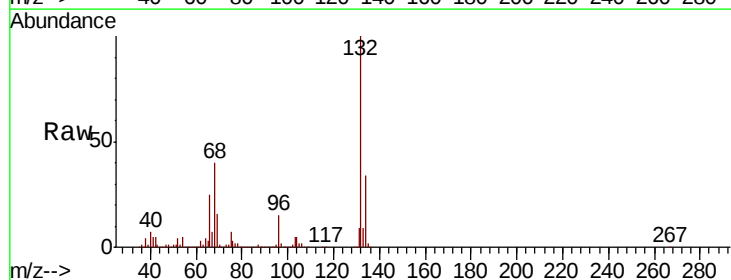
Tgt Ion: 93 Resp: 1351

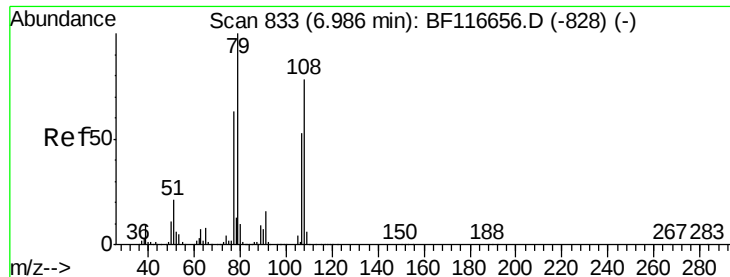
Ion Ratio Lower Upper

93 100

63 574.9 49.9 89.9#

95 833.6 12.7 52.7#





#15

Benzyl Alcohol

Concen: 1.888 ng

RT: 7.00 min Scan# 836

Delta R.T. 0.02 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampleId :

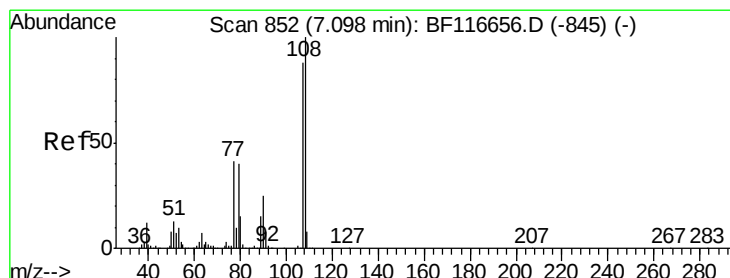
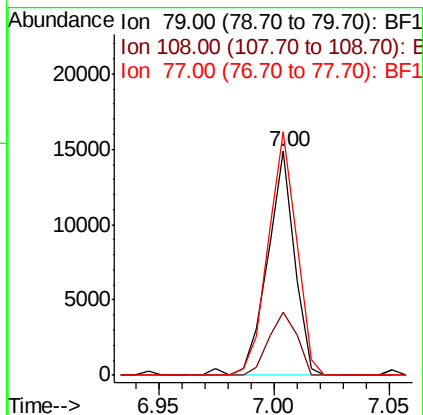
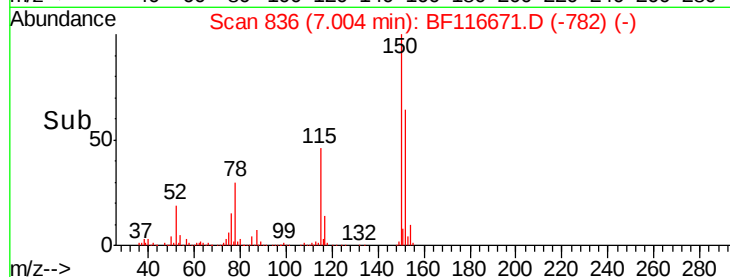
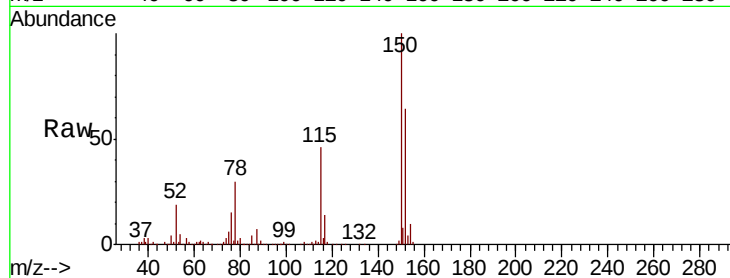
Tot Ion: 79 Resp: 12122

Ion Ratio Lower Upper

79 100

108 28.3 59.2 88.8#

77 108.5 53.0 79.4#



#17

2-Methylphenol

Concen: 0.021 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.12 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Tgt Ion: 107 Resp: 119

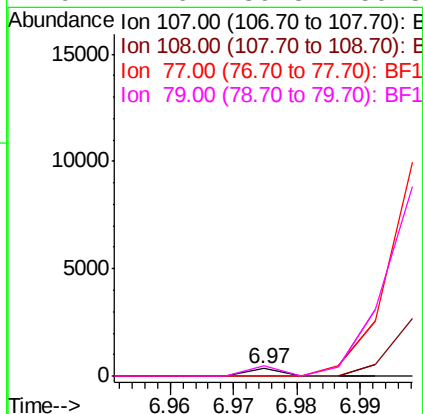
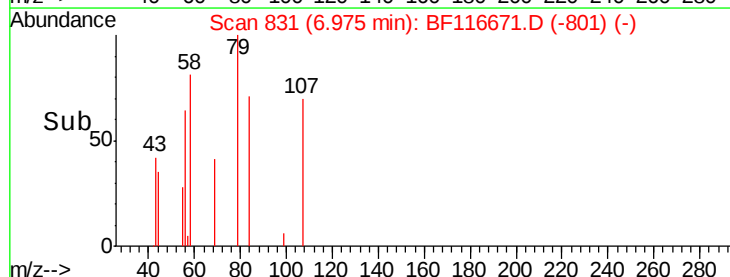
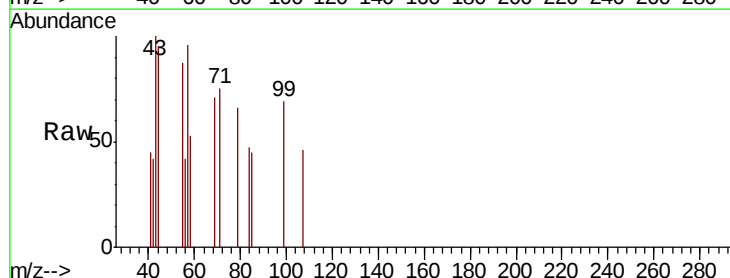
Ion Ratio Lower Upper

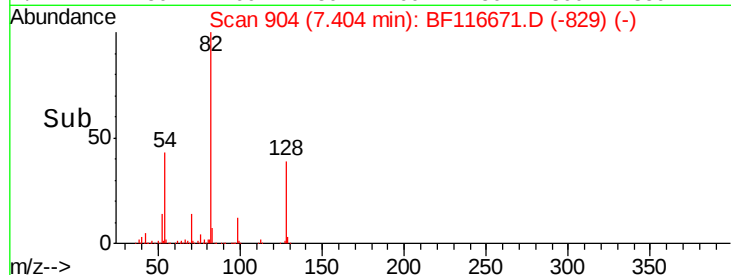
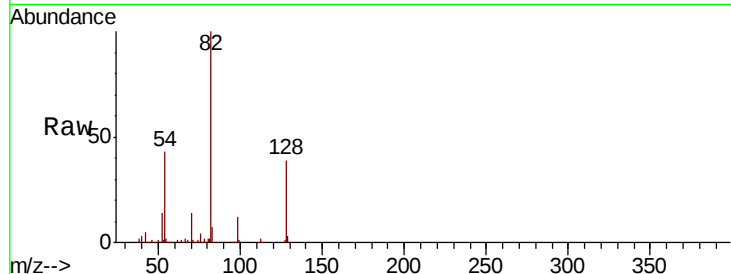
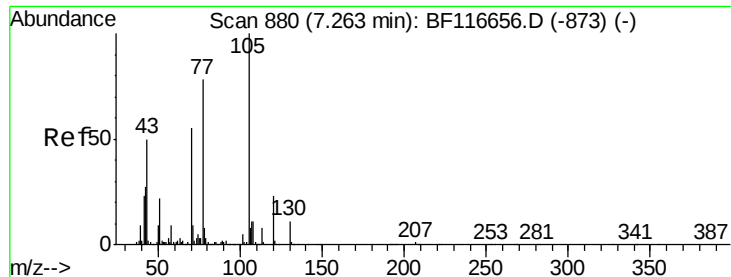
107 100

108 0.0 88.3 132.5#

77 0.0 39.9 59.9#

79 142.6 39.8 59.8#

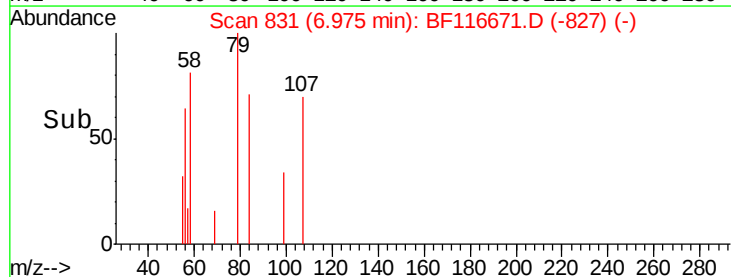
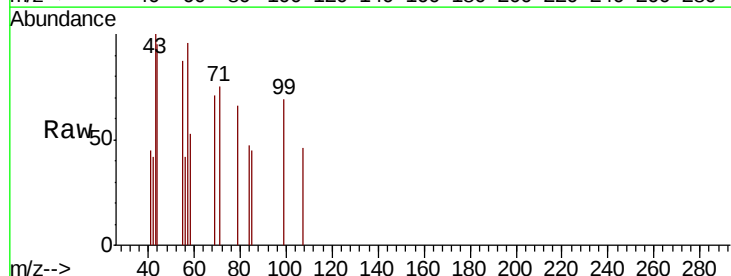
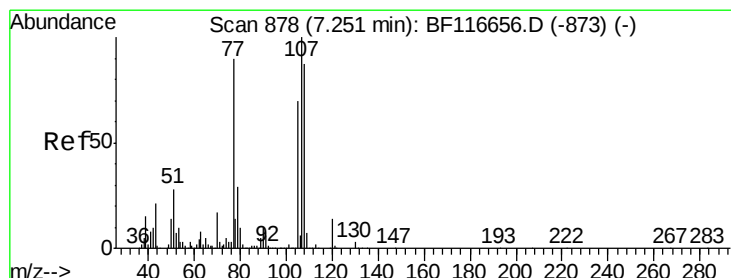
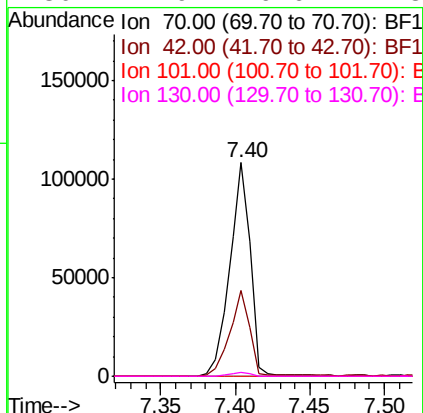




#19
n-Nitroso-di-n-propylamine
Concen: 20.219 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

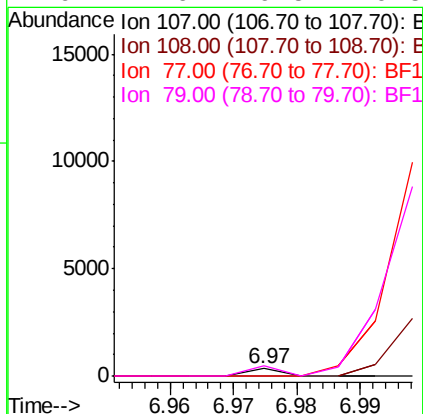
Instrument :
BNA_F
ClientSampleId :

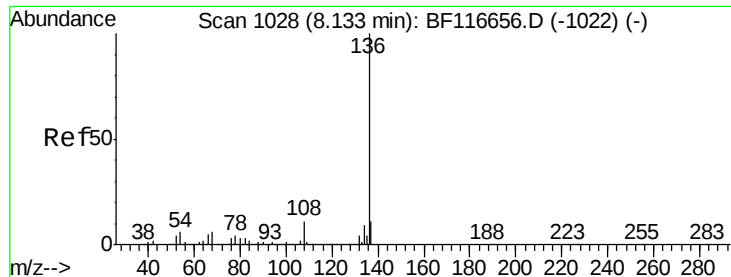
Tot Ion	Ratio	Lower	Upper
70	100		
42	40.3	43.5	65.3#
101	0.0	7.8	11.6#
130	1.9	16.6	24.8#



#20
3+4-Methylphenols
Concen: 0.018 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.28 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Tgt Ion	Ratio	Lower	Upper
107	100		
108	0.0	65.5	105.5#
77	0.0	69.4	109.4#
79	142.6	9.5	49.5#

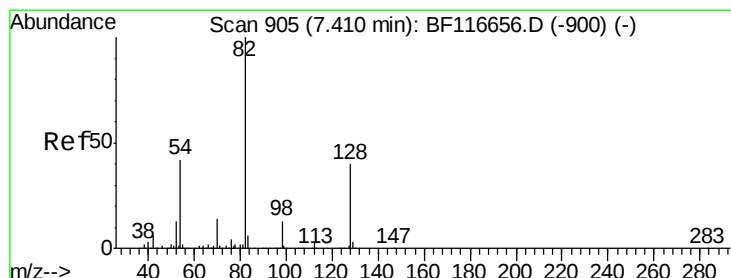
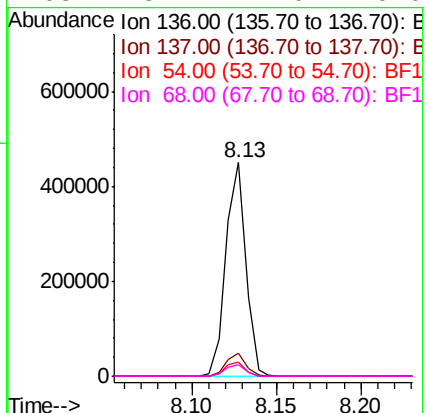
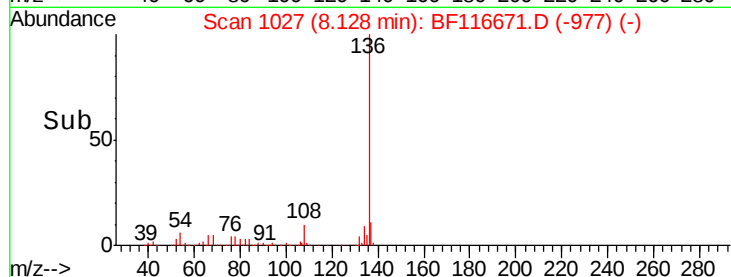
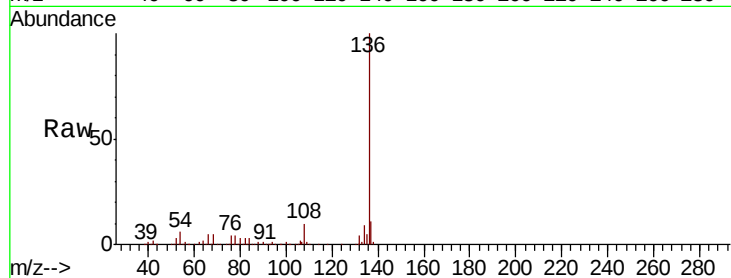




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

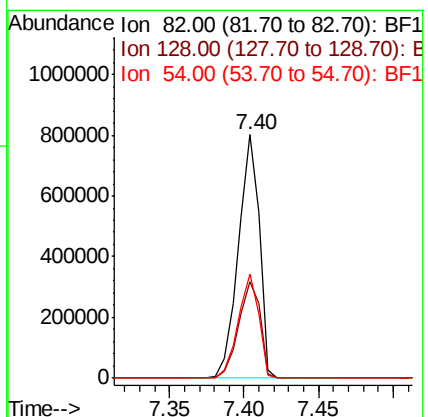
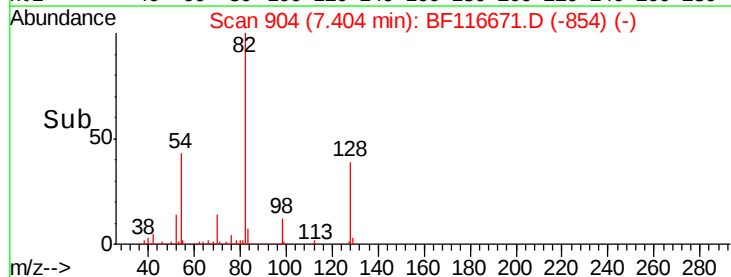
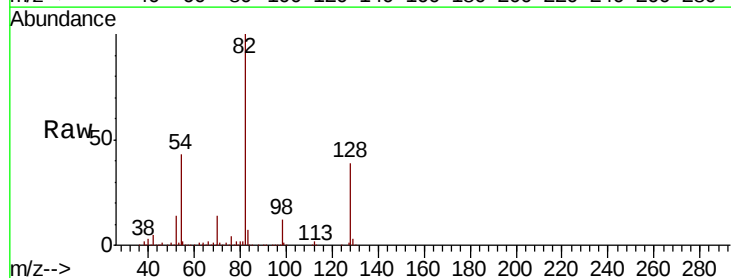
Instrument :
BNA_F
ClientSampleId :

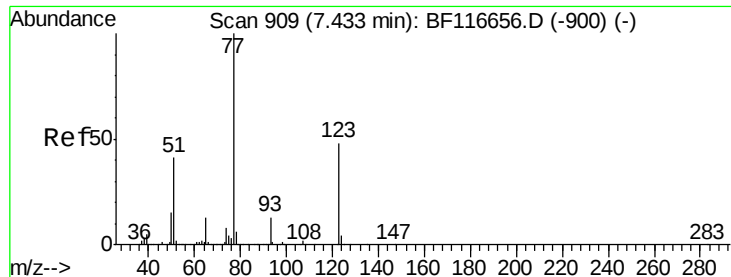
Tot Ion:136	Resp:	369009
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	6.3	4.8 7.2
68	5.1	4.0 6.0



#23
Nitrobenzene-d5
Concen: 121.942 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Tgt Ion: 82	Resp:	788224
Ion Ratio	Lower	Upper
82	100	
128	39.5	32.8 49.2
54	43.0	36.9 55.3





#24

Nitrobenzene

Concen: 0.372 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.03 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampleId :

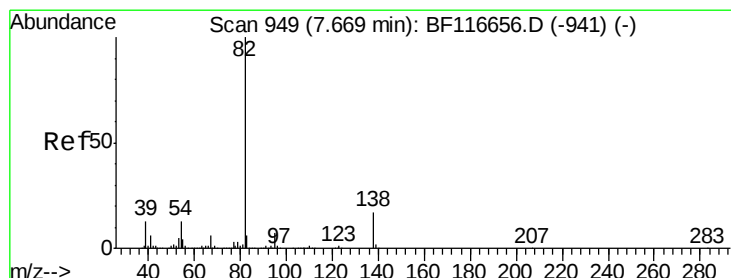
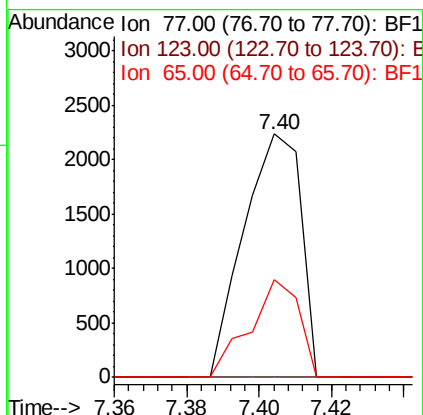
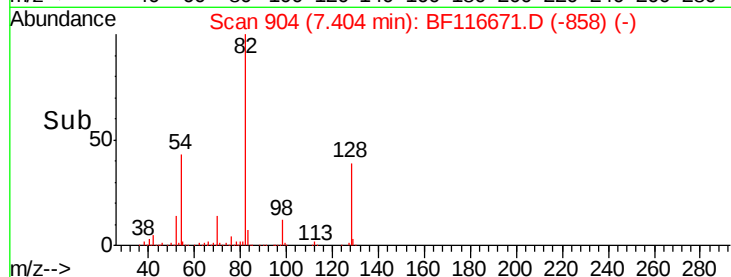
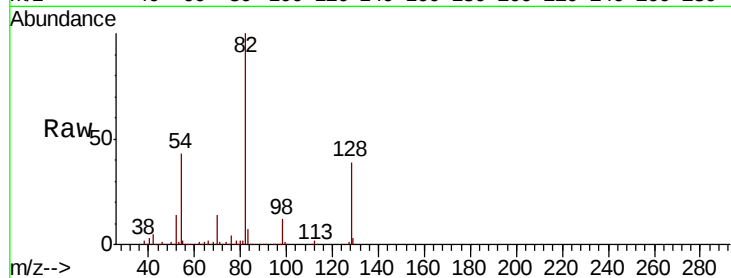
Tot Ion: 77 Resp: 2448

Ion Ratio Lower Upper

77 100

123 0.0 33.1 49.7#

65 39.9 10.6 15.8#



#25

Isophorone

Concen: 59.924 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

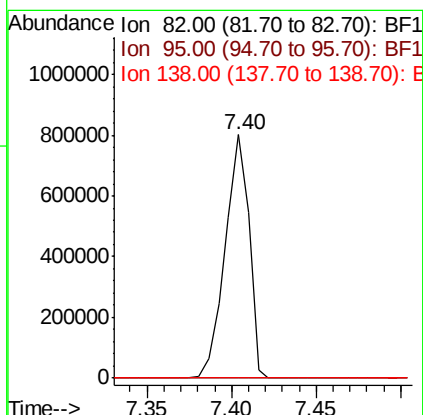
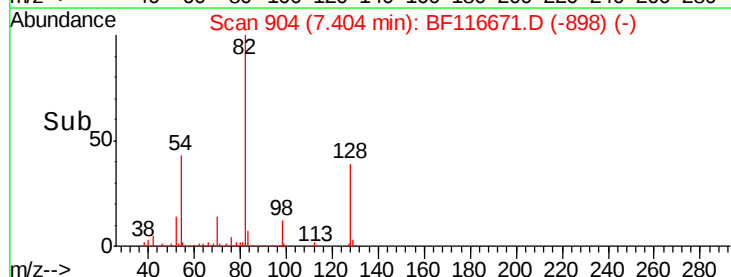
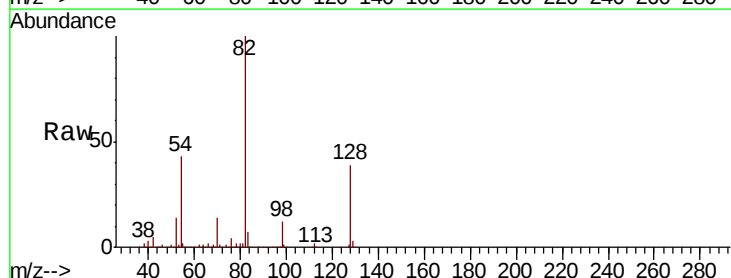
Tgt Ion: 82 Resp: 784898

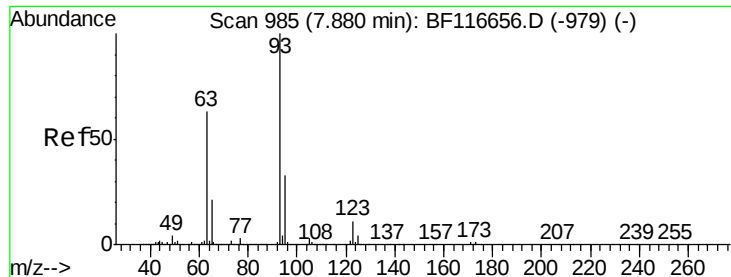
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#

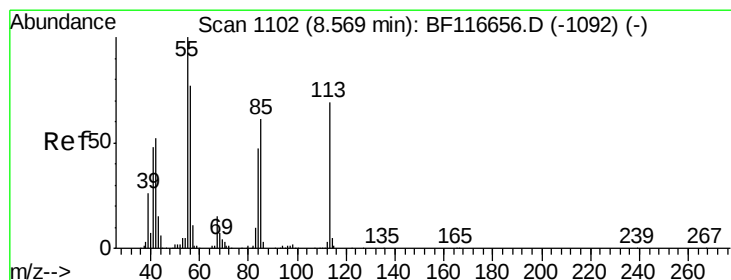
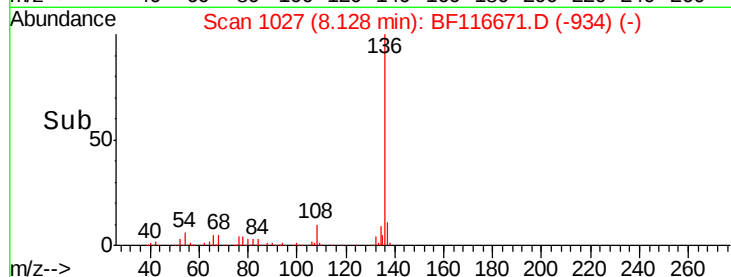
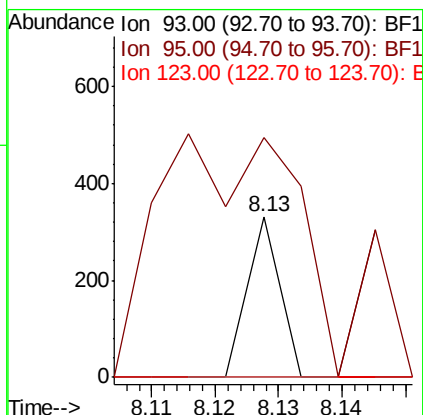
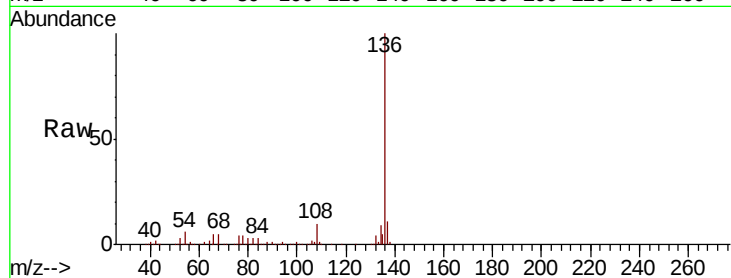




#28
bis(2-Chloroethoxy)methane
Concen: 0.015 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.25 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

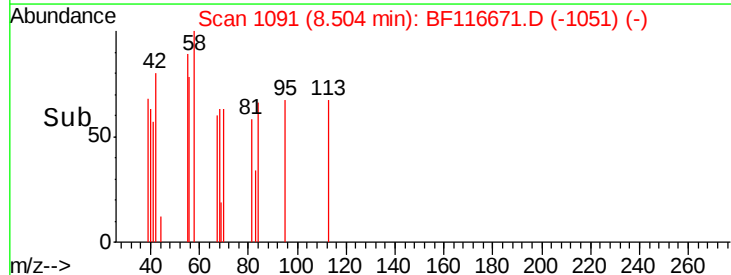
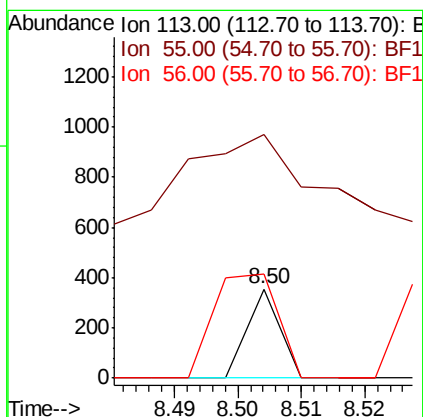
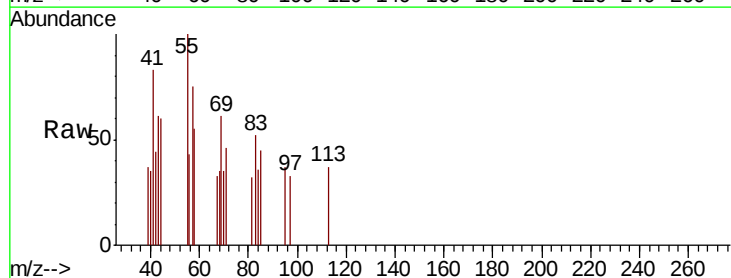
Instrument :
BNA_F
ClientSampleId :

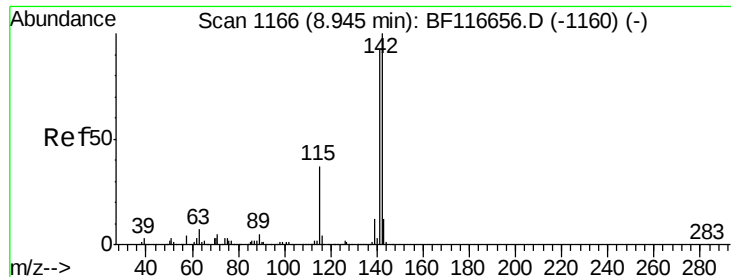
Tot Ion	93	117
Ratio	100	
Lower	26.4	39.6#
Upper	14.8#	



#35
Caprolactam
Concen: 0.071 ng
RT: 8.50 min Scan# 1091
Delta R.T. -0.06 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Tgt Ion	113	126
Ratio <td>100</td> <td></td>	100	
Lower	124.3	164.3#
Upper	134.6	

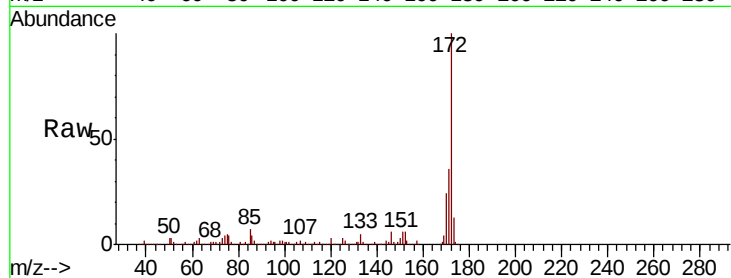




#38
1-Methylnaphthalene
Concen: 0.053 ng
RT: 9.20 min Scan# 1210
Delta R.T. 0.26 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	60.2	73.9	110.9#
116	297.4	3.0	4.6#

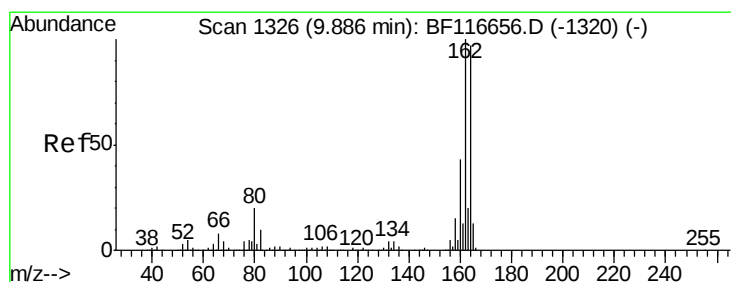
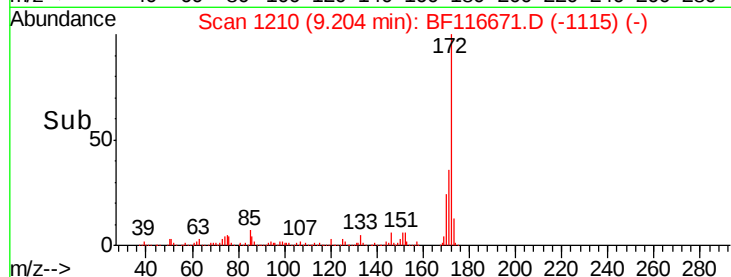
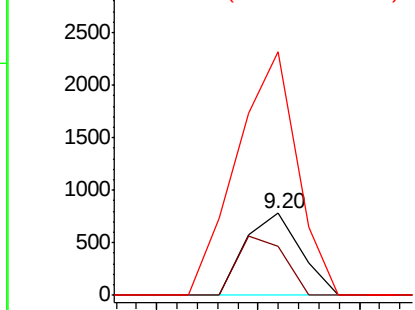


Abundance

Ion 142.00 (141.70 to 142.70): E

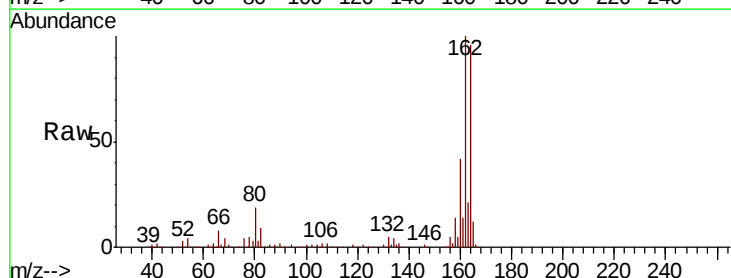
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	81.4	122.0
160	44.2	35.4	53.2

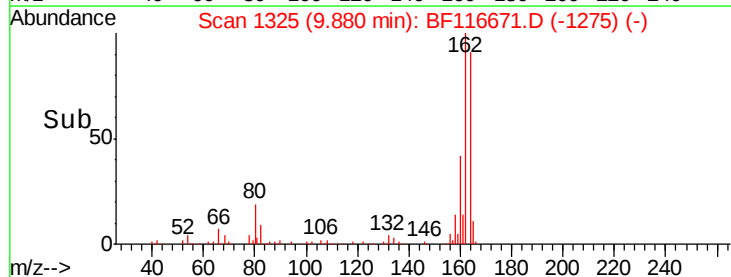
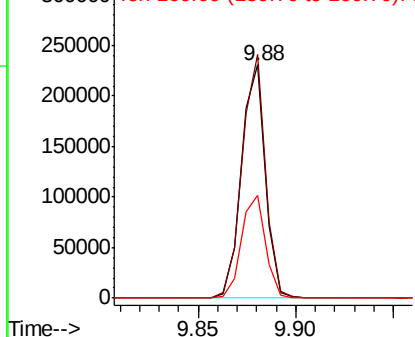


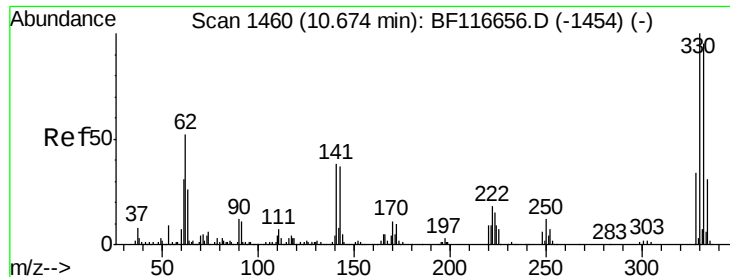
Abundance

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: 182.957 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampleId :

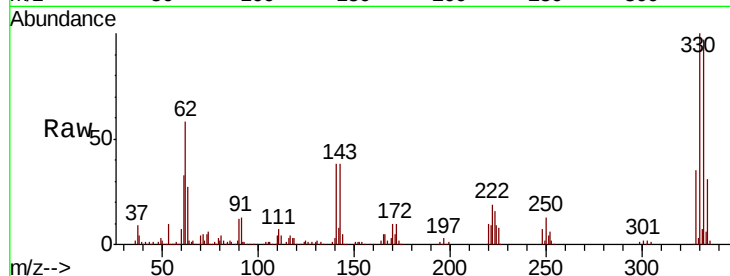
Tot Ion:330 Resp: 238404

Ion Ratio Lower Upper

330 100

332 96.5 76.9 115.3

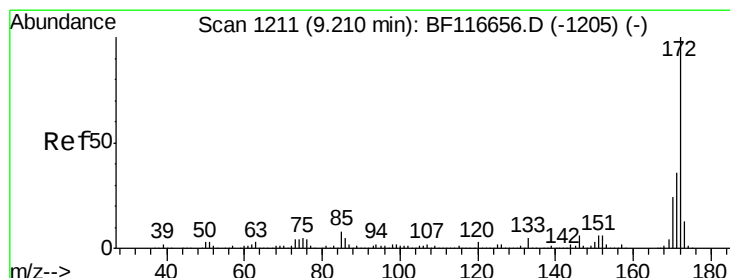
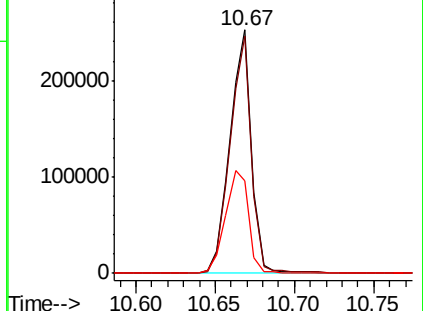
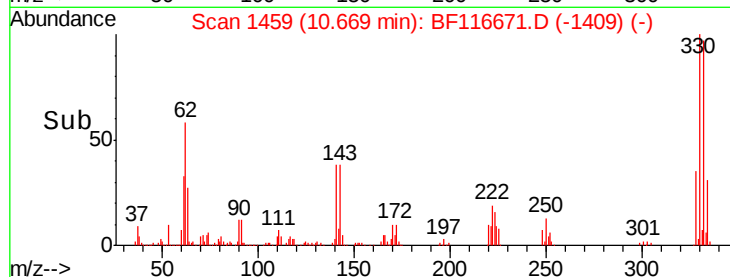
141 45.7 31.4 47.2



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: 104.930 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

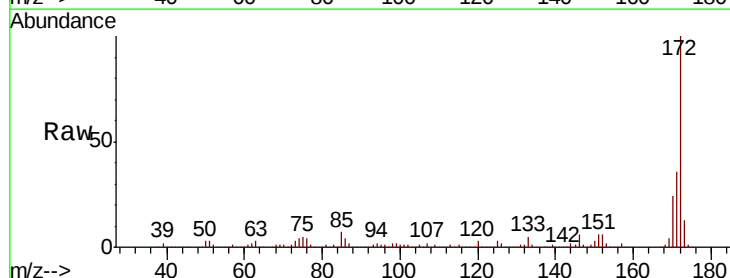
Tgt Ion:172 Resp: 1212444

Ion Ratio Lower Upper

172 100

171 36.3 27.8 41.6

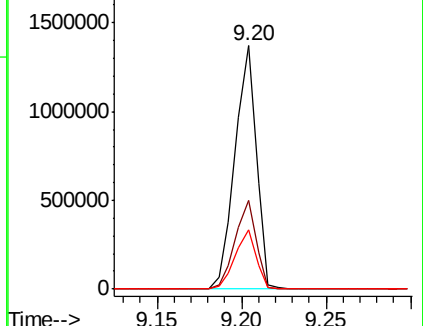
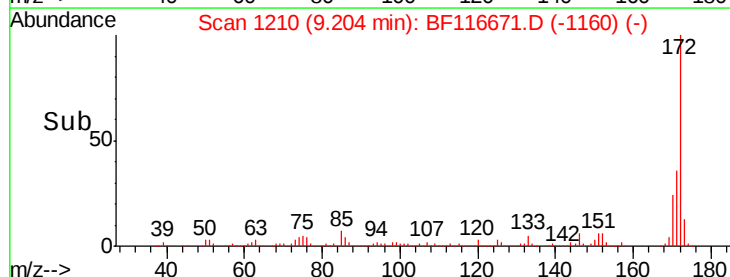
170 24.4 18.9 28.3

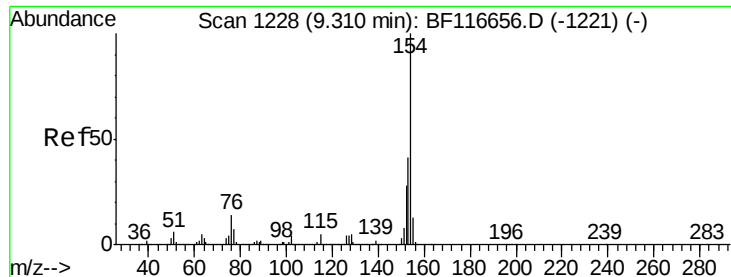


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

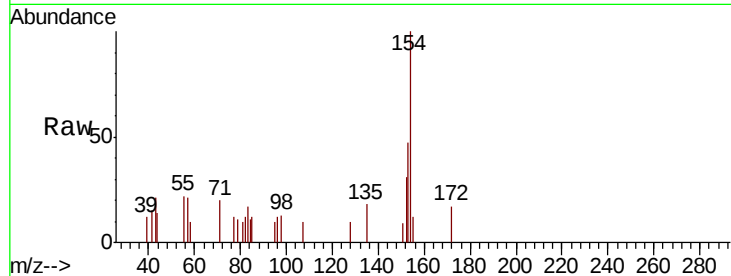




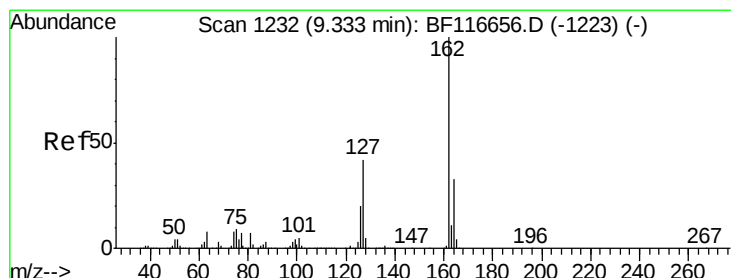
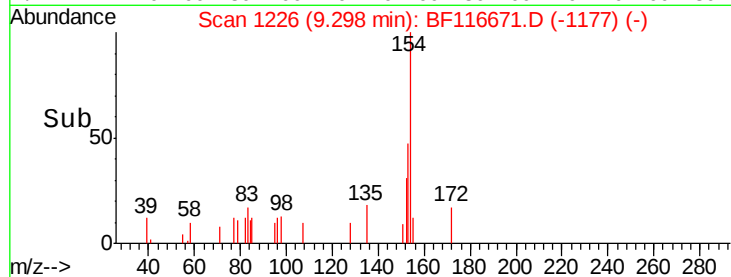
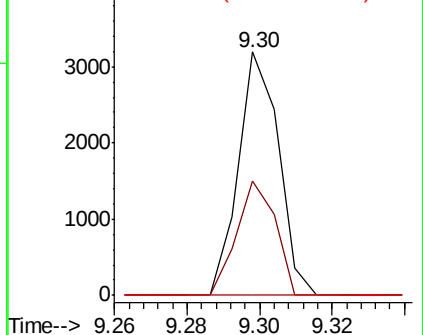
#46
 1,1'-Biphenyl
 Concen: 0.168 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF116671.D
 Acq: 31 Aug 2019 1:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	47.1	21.2	61.2
76	0.0	0.0	30.9

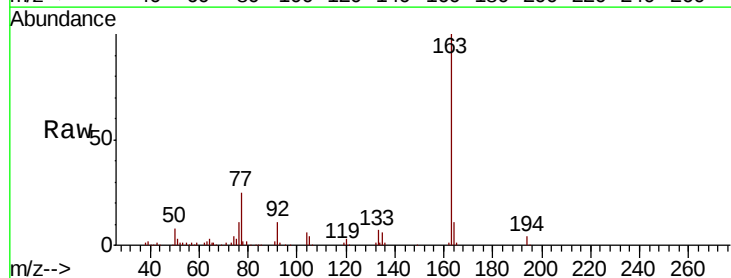


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

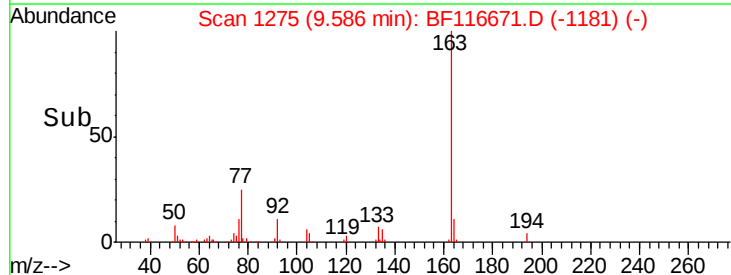
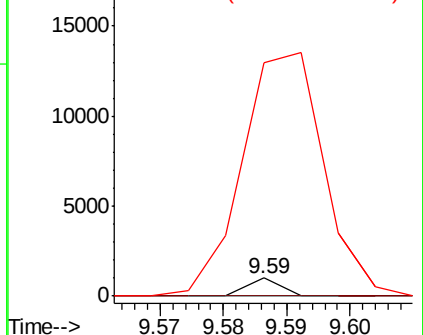


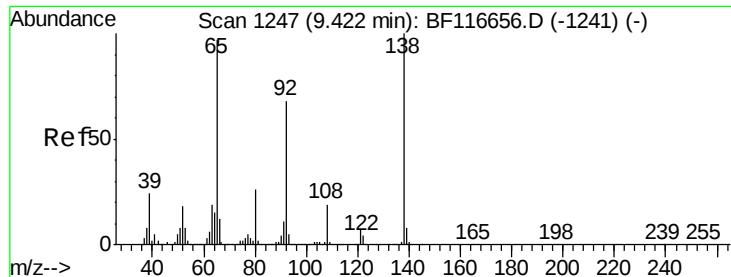
#47
 2-Chloronaphthalene
 Concen: 0.030 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. 0.25 min
 Lab File: BF116671.D
 Acq: 31 Aug 2019 1:03

Tgt Ion	Ratio	Lower	Upper
162	100		
127	0.0	33.4	50.2#
164	1287.8	26.6	39.8#



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#48

2-Nitroaniline

Concen: 0.306 ng

RT: 9.59 min Scan# 1275

Delta R.T. 0.16 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampleId :

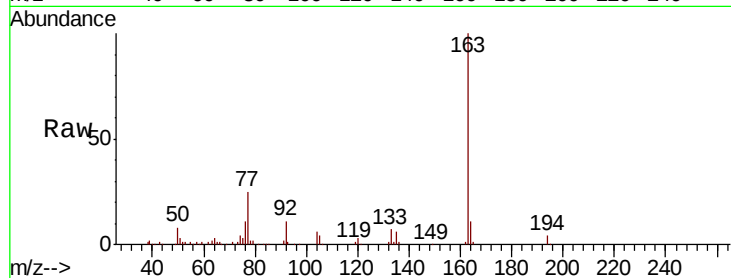
Tot Ion: 65 Resp: 1035

Ion Ratio Lower Upper

65 100

92 926.2 57.1 85.7#

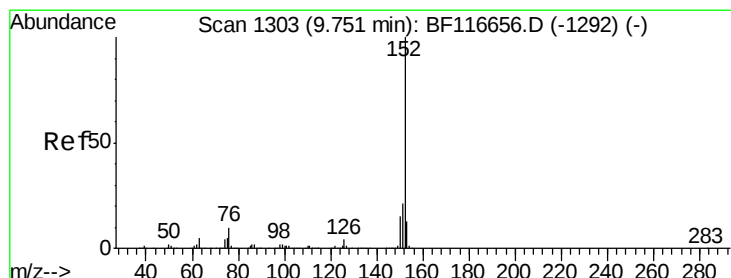
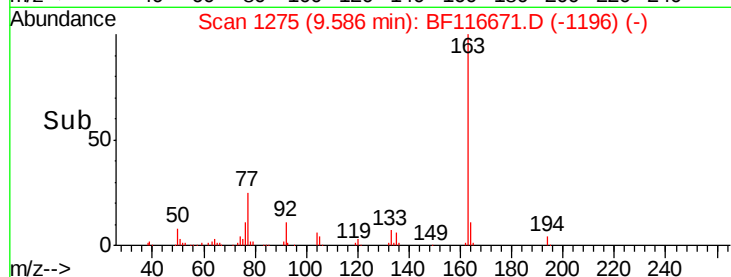
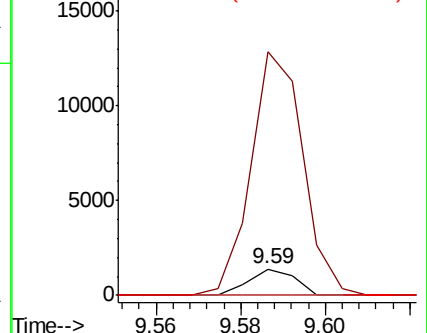
138 0.0 88.2 132.2#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E



#49

Acenaphthylene

Concen: 0.014 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

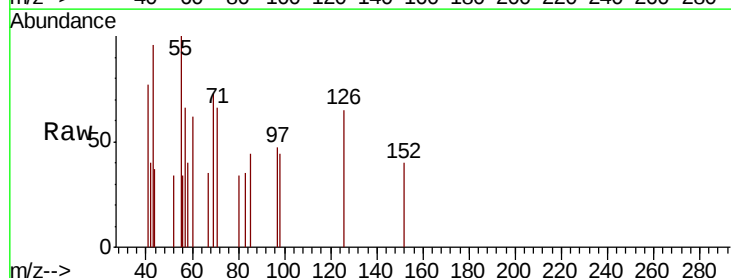
Tgt Ion: 152 Resp: 247

Ion Ratio Lower Upper

152 100

151 0.0 15.9 23.9#

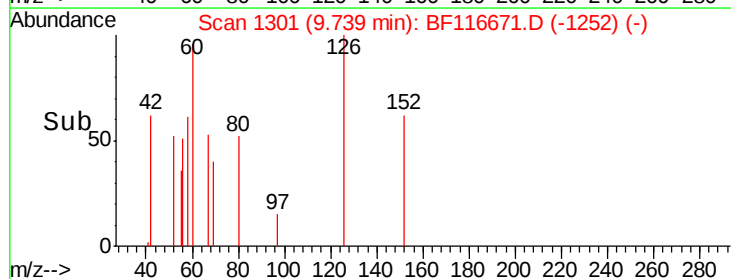
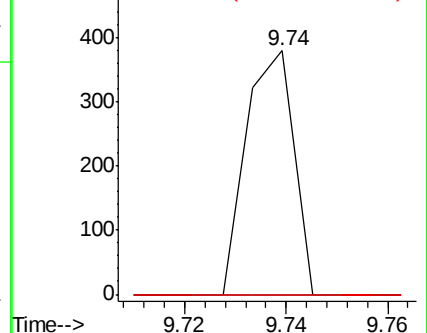
153 0.0 10.9 16.3#

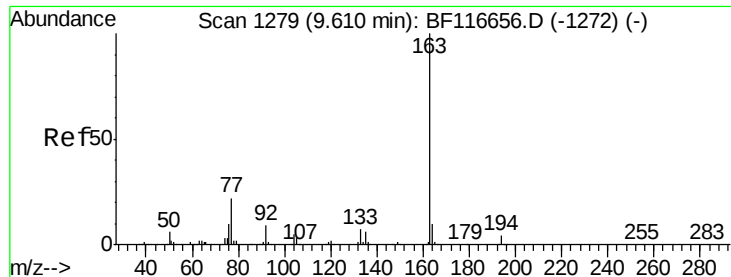


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

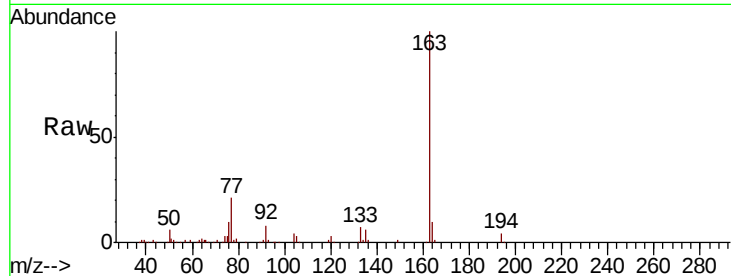




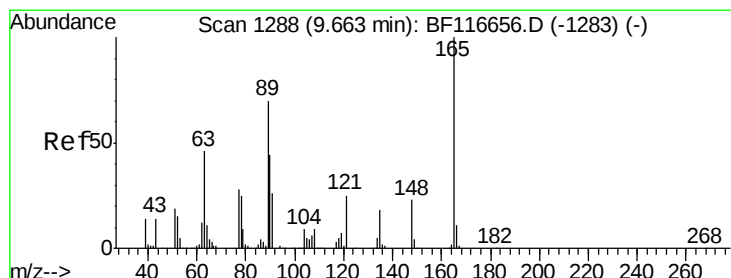
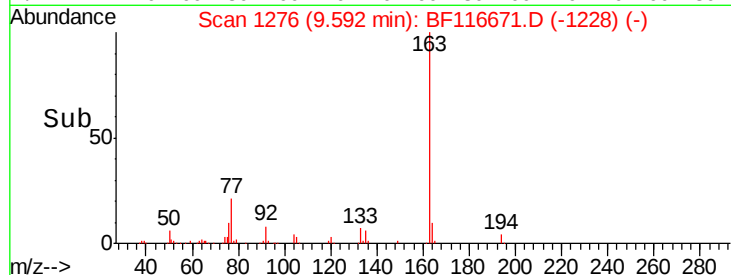
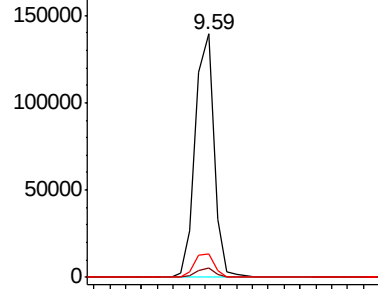
#50
Dimethylphthalate
Concen: 8.573 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	9.7	8.6	12.8

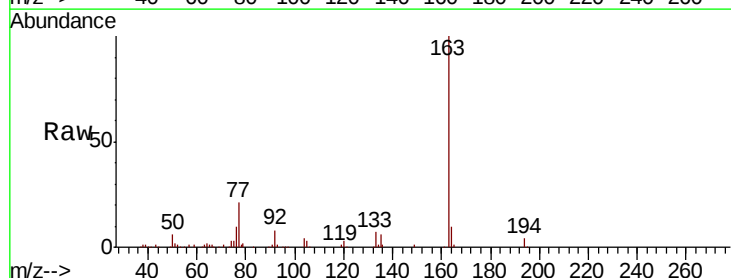


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

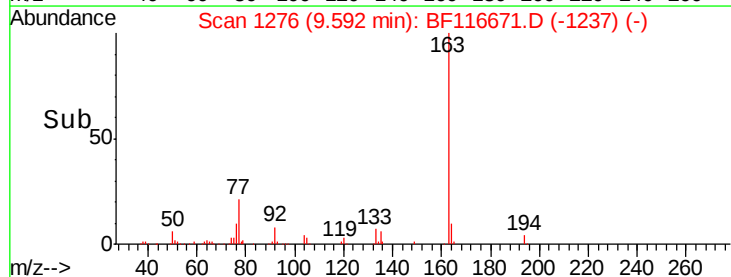
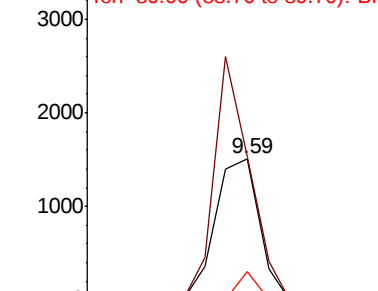


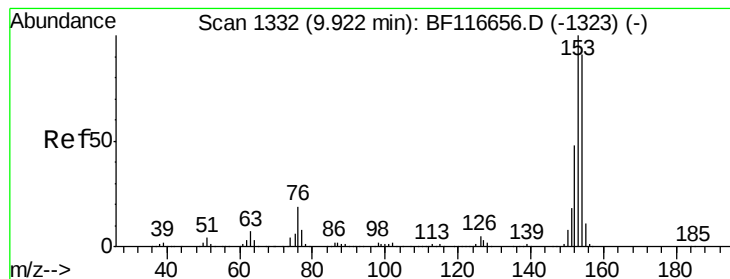
#51
2,6-Dinitrotoluene
Concen: 0.495 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.07 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	101.5	47.3	70.9#
89	20.1	52.5	78.7#



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





#52

Acenaphthene

Concen: 0.067 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.04 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampleId :

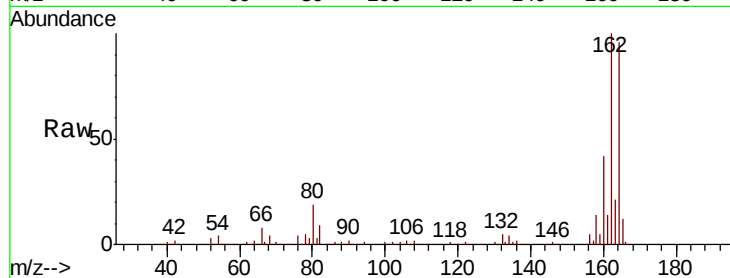
Tot Ion:154 Resp: 729

Ion Ratio Lower Upper

154 100

153 0.0 89.5 134.3#

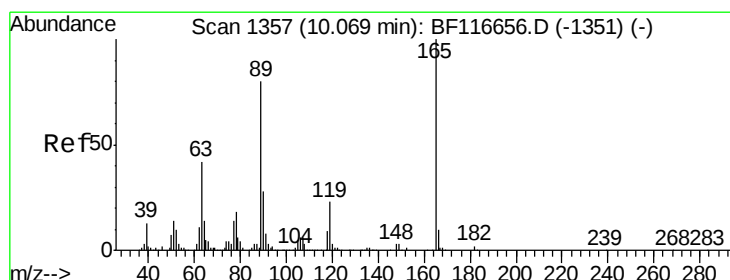
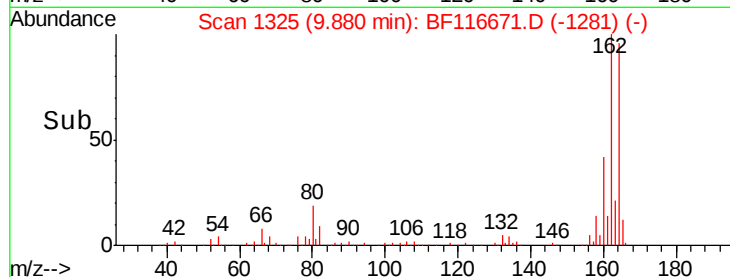
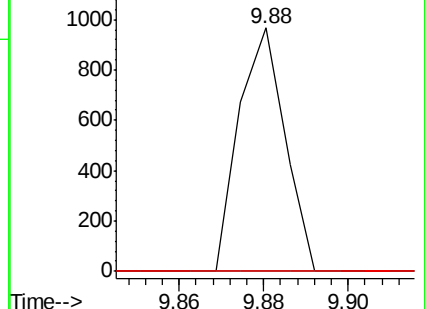
152 0.0 41.9 62.9#



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



#57

2,4-Dinitrotoluene

Concen: 7.778 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Tgt Ion:165 Resp: 24417

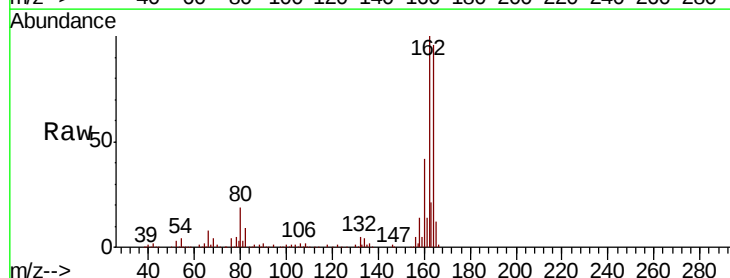
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 2.0 62.6 94.0#

182 0.0 2.1 3.1#

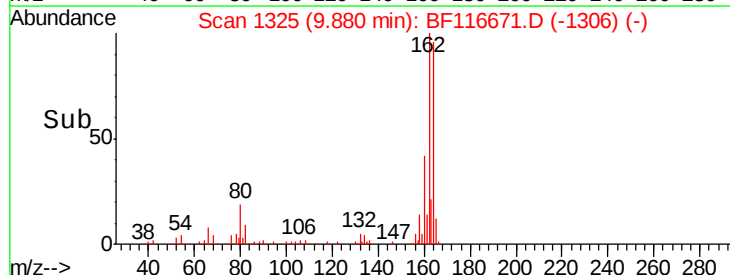
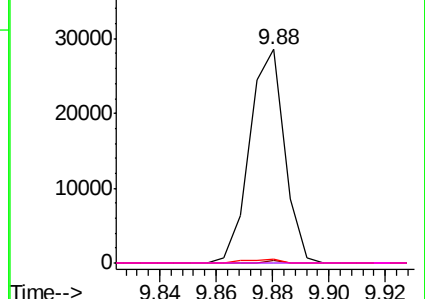


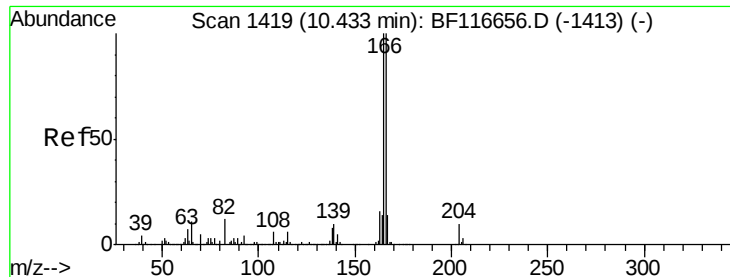
Abundance Ion 165.00 (164.70 to 165.70): E

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: 1.046 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.24 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampleId :

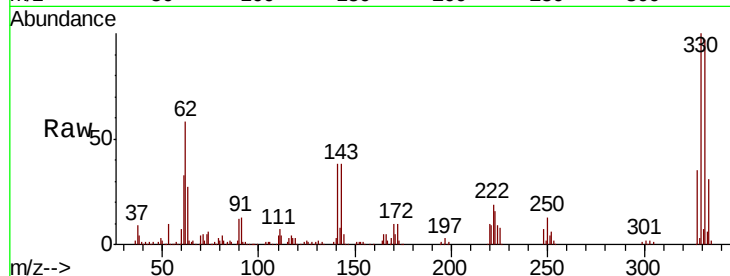
Tot Ion:166 Resp: 12225

Ion Ratio Lower Upper

166 100

165 108.8 78.8 118.2

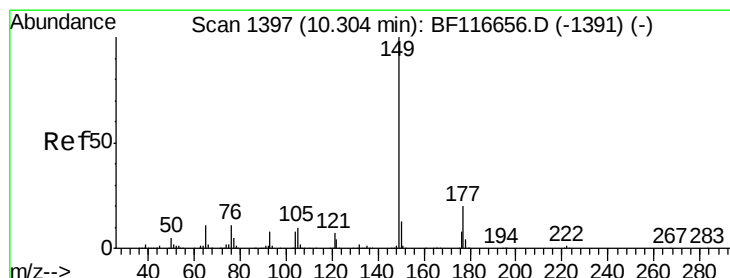
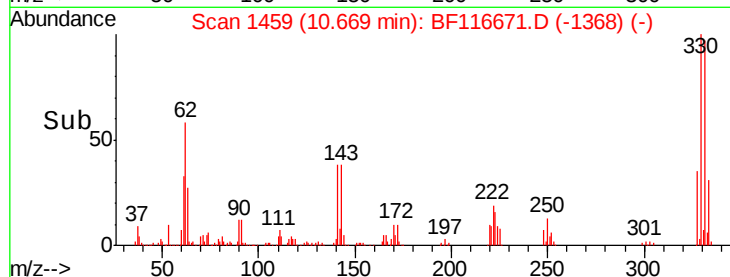
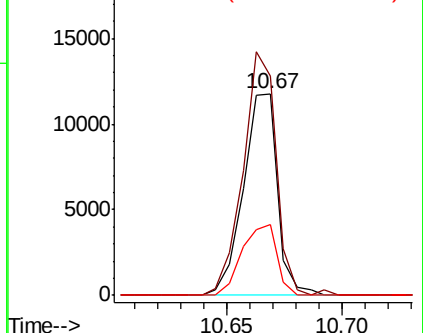
167 35.0 10.0 15.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 0.041 ng

RT: 10.29 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

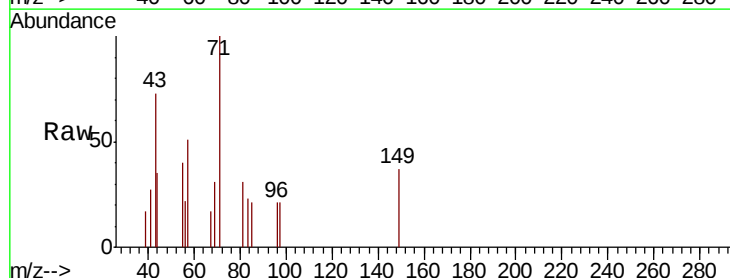
Tgt Ion:149 Resp: 553

Ion Ratio Lower Upper

149 100

177 0.0 17.2 25.8#

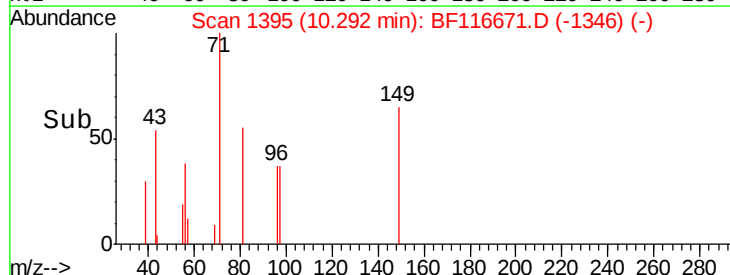
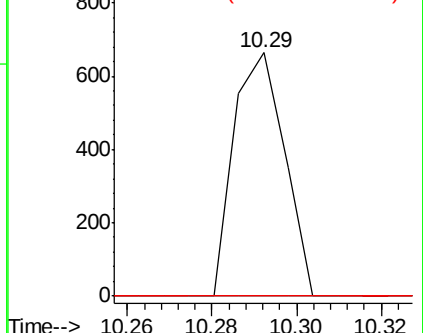
150 0.0 9.7 14.5#

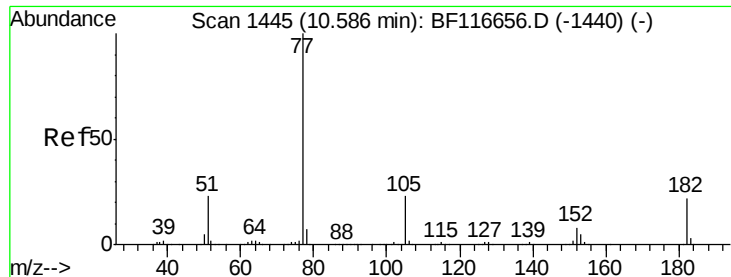


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.008 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 119

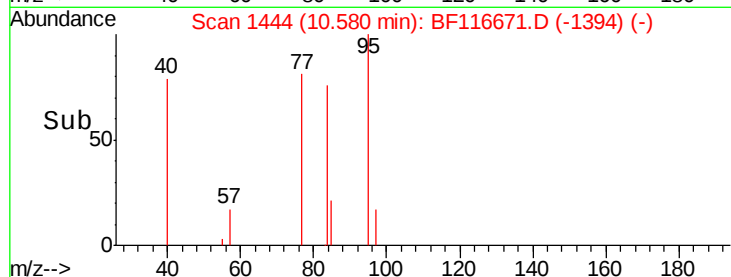
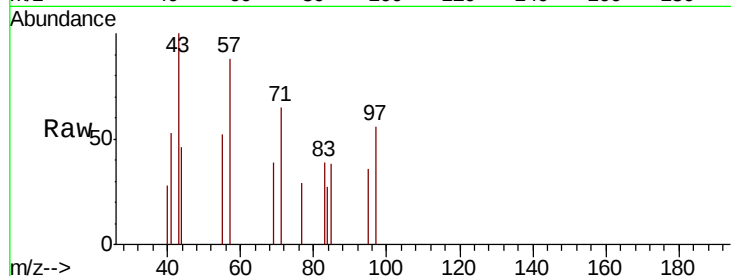
Ion Ratio Lower Upper

77 100

182 0.0 1.2 41.2#

105 0.0 0.6 40.6#

51 0.0 8.2 48.2#

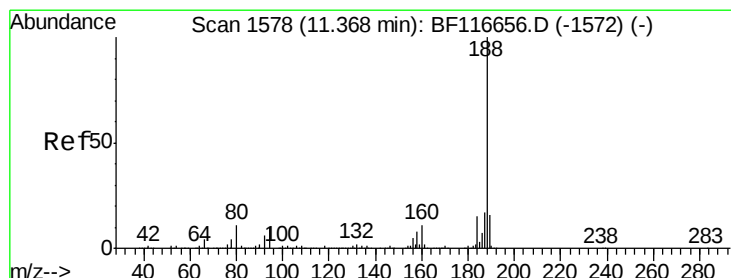
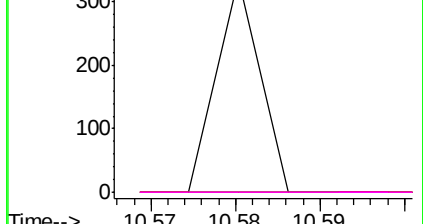


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

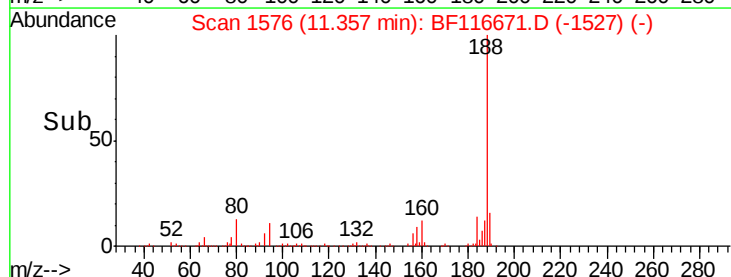
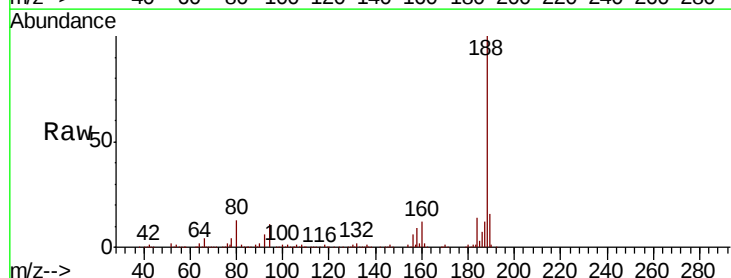
Tgt Ion: 188 Resp: 338861

Ion Ratio Lower Upper

188 100

94 11.2 7.3 10.9#

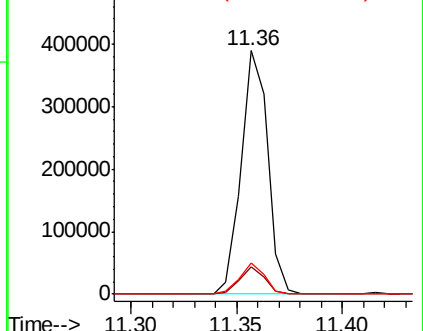
80 12.6 8.4 12.6#

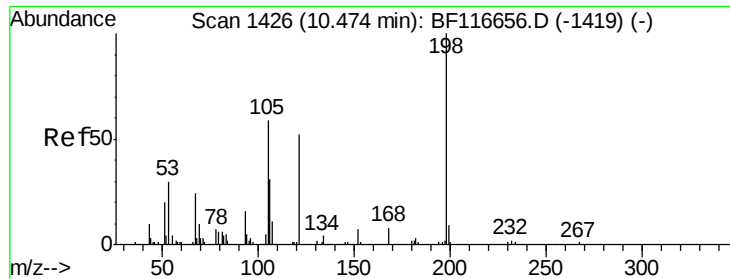


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 7.847 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampled :

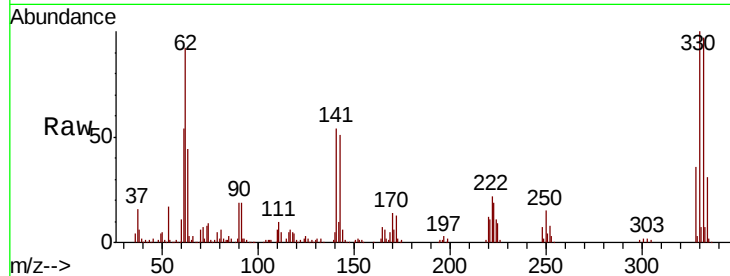
Tot Ion:198 Resp: 585

Ion Ratio Lower Upper

198 100

51 237.0 18.4 58.4#

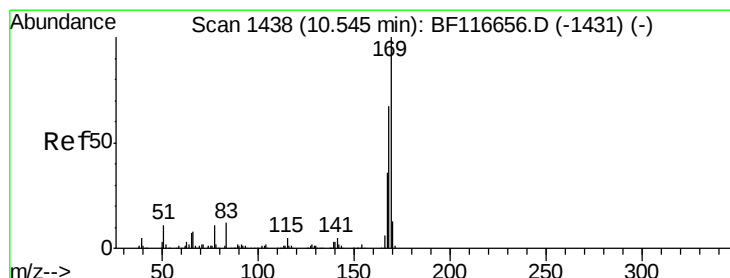
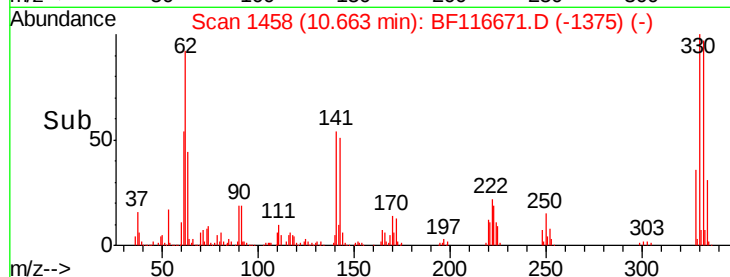
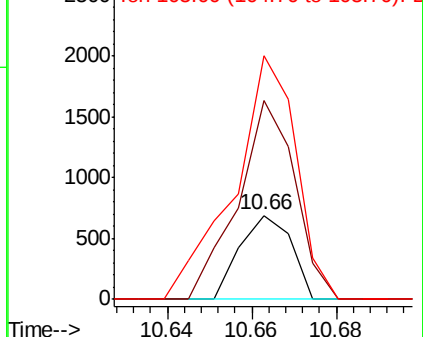
105 291.1 22.9 62.9#



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



#66

n-Nitrosodiphenylamine

Concen: 0.827 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.12 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

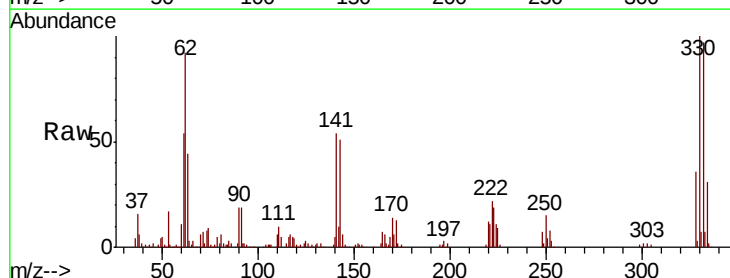
Tgt Ion:169 Resp: 9691

Ion Ratio Lower Upper

169 100

168 10.9 55.8 83.6#

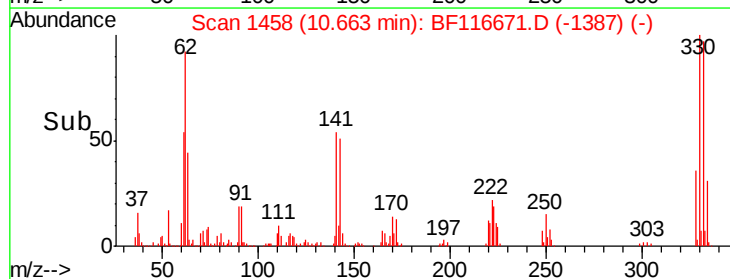
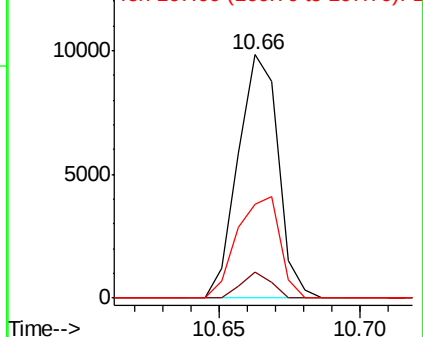
167 38.7 29.4 44.2

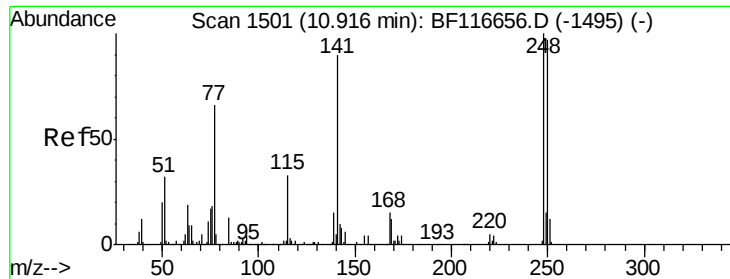


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.591 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampleId :

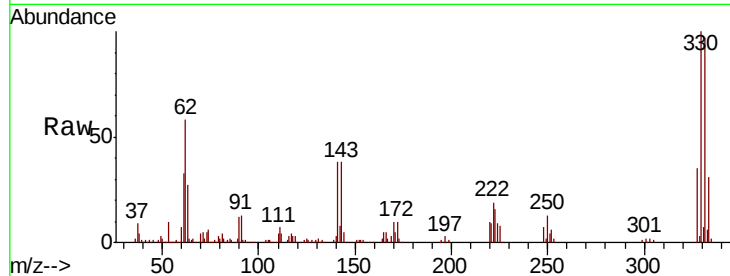
Tot Ion:248 Resp: 15803

Ion Ratio Lower Upper

248 100

250 200.2 77.8 116.8#

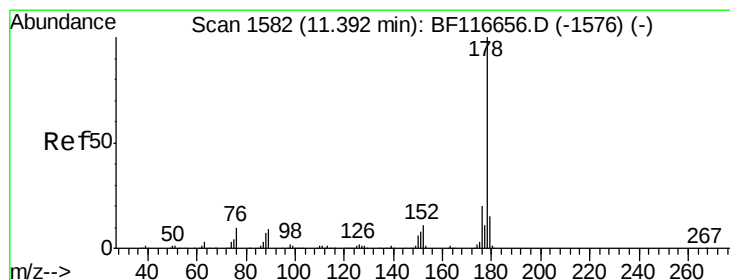
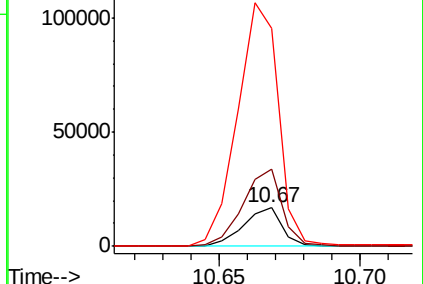
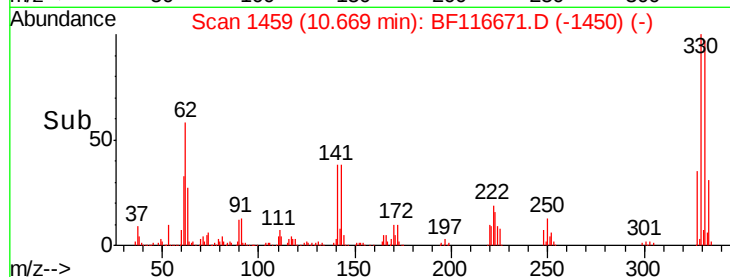
141 566.7 75.9 113.9#



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: 0.042 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

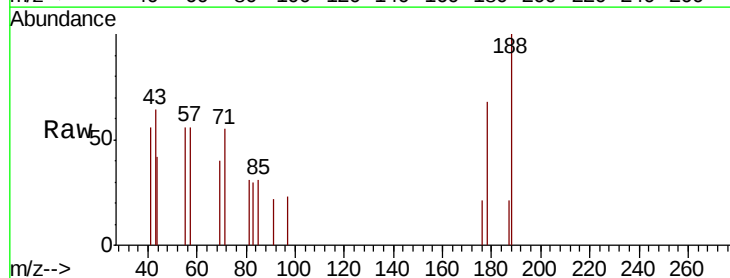
Tgt Ion:178 Resp: 796

Ion Ratio Lower Upper

178 100

176 31.0 15.4 23.0#

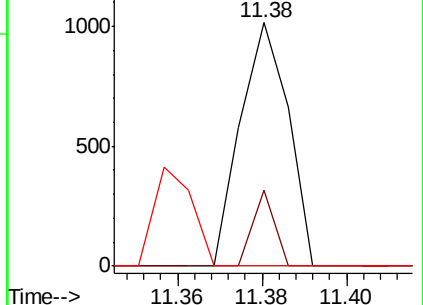
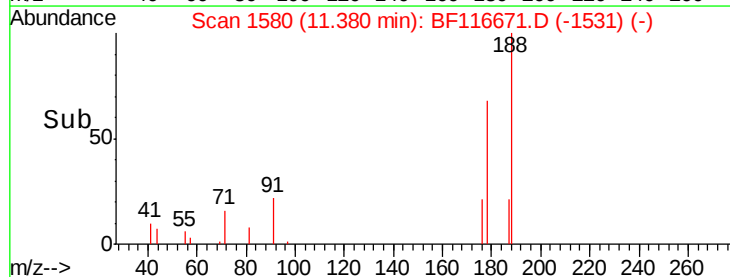
179 0.0 12.2 18.2#

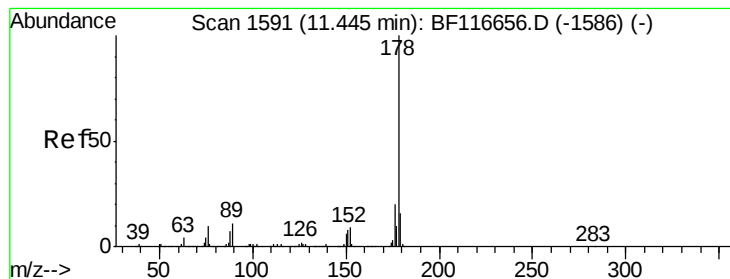


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 0.008 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampleId :

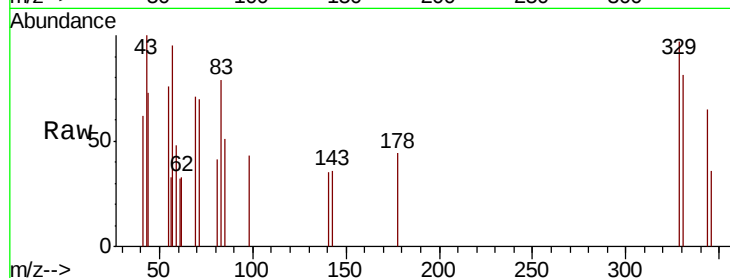
Tot Ion:178 Resp: 146

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.0#

179 0.0 12.5 18.7#



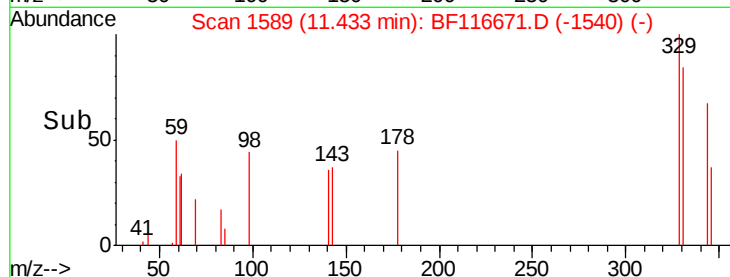
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

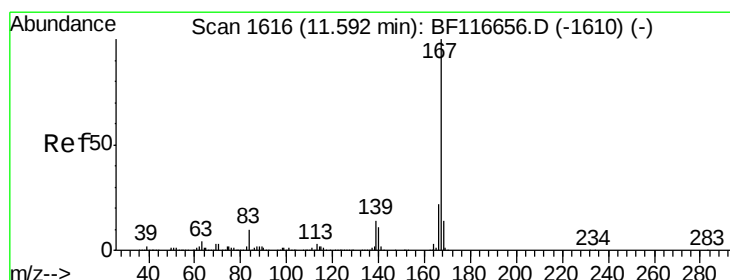
Ion 179.00 (178.70 to 179.70): E

11.43

Time-->



Time-->



#73

Carbazole

Concen: 0.018 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

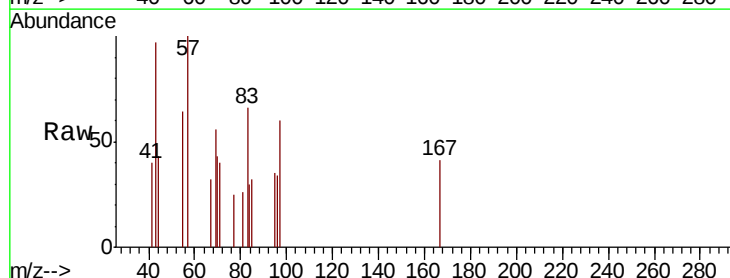
Tgt Ion:167 Resp: 332

Ion Ratio Lower Upper

167 100

166 0.0 17.8 26.6#

139 0.0 11.1 16.7#



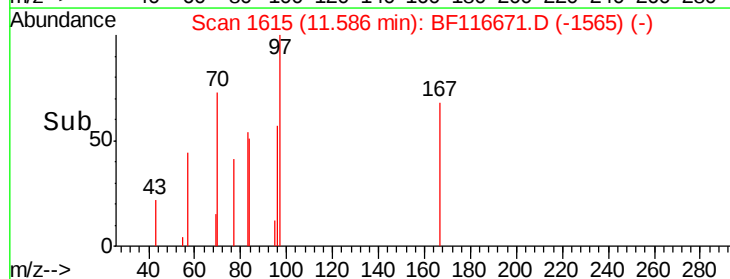
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

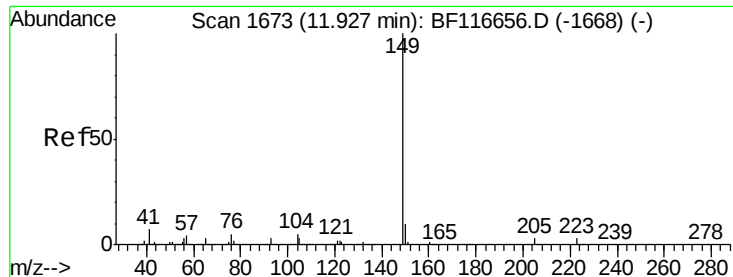
Ion 139.00 (138.70 to 139.70): E

11.59

Time-->



Time-->



#74

Di-n-butylphthalate

Concen: 0.094 ng

RT: 11.92 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

Instrument :

BNA_F

ClientSampleId :

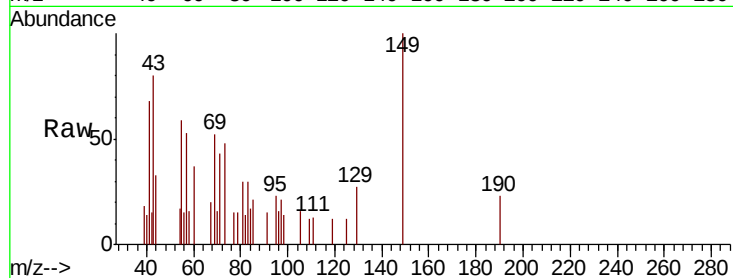
Tot Ion:149 Resp: 2189

Ion Ratio Lower Upper

149 100

150 0.0 7.2 10.8#

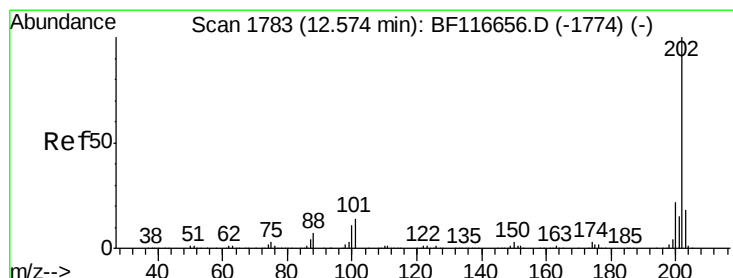
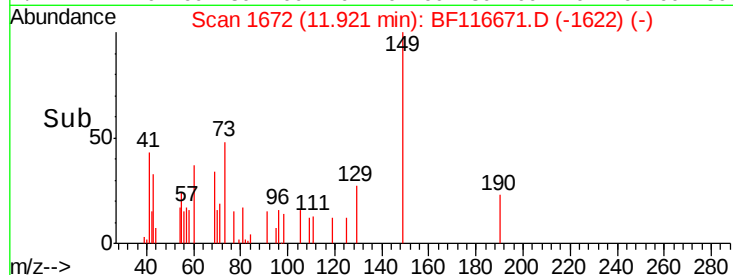
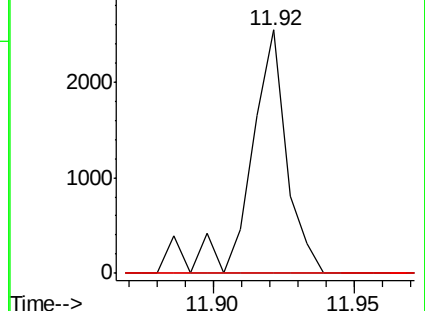
104 0.0 4.2 6.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 0.060 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116671.D

Acq: 31 Aug 2019 1:03

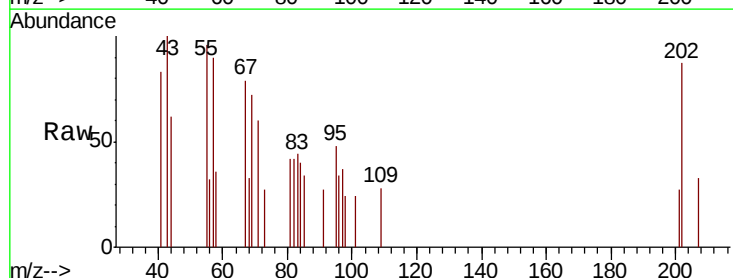
Tgt Ion:202 Resp: 1105

Ion Ratio Lower Upper

202 100

101 27.2 0.0 31.3

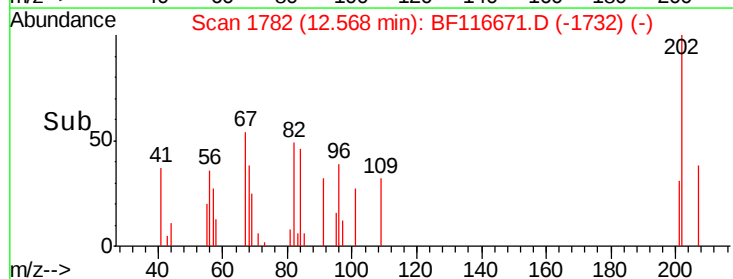
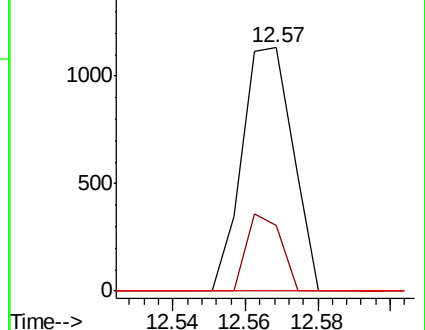
203 0.0 0.0 37.6

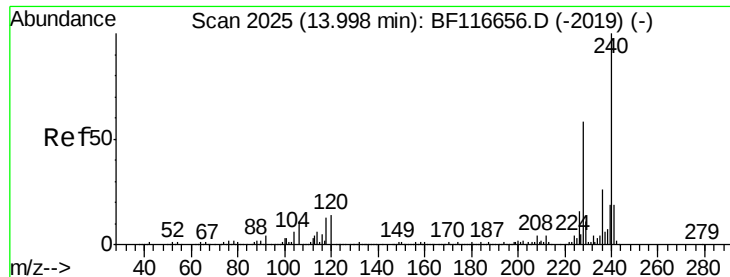


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

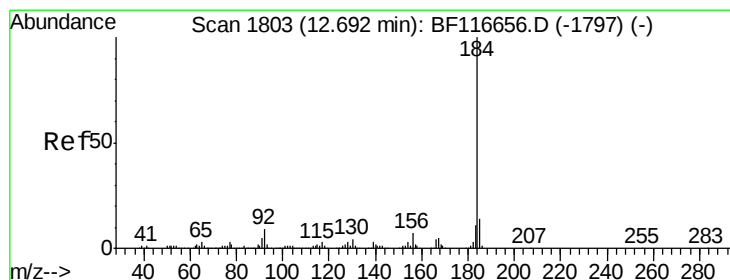
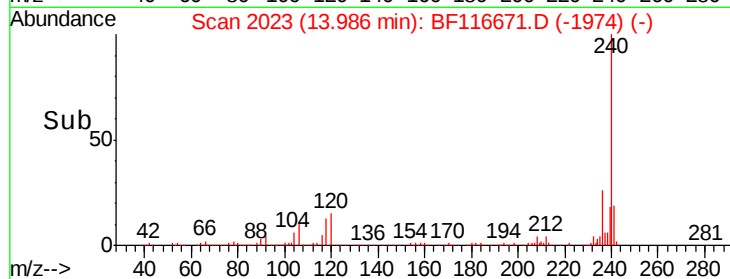
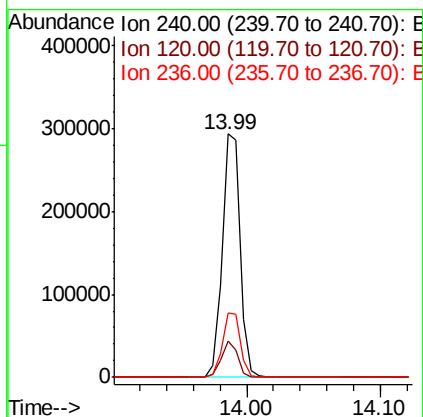
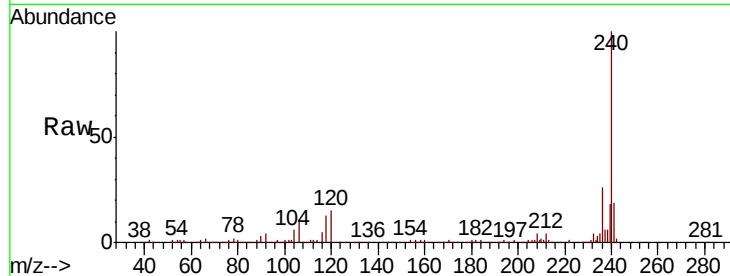




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

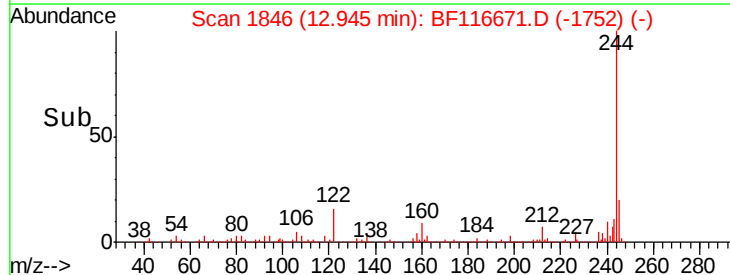
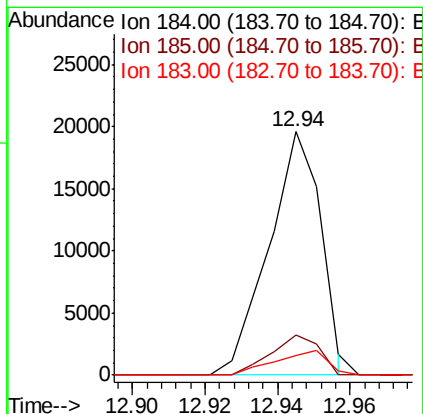
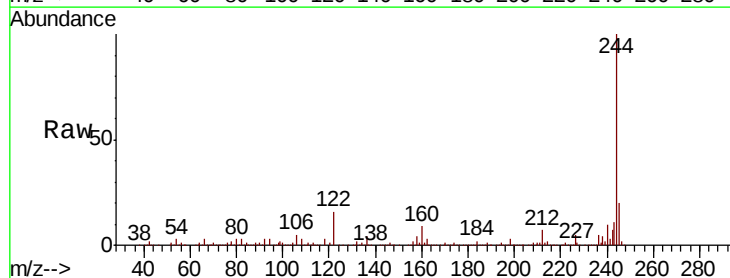
Instrument :
BNA_F
ClientSampleId :

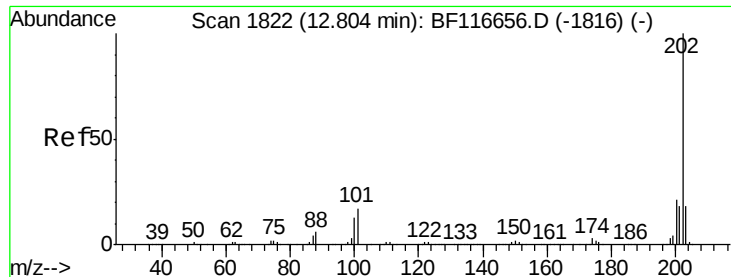
Tot Ion:240 Resp: 278018
Ion Ratio Lower Upper
240 100
120 14.8 9.1 13.7#
236 26.3 21.1 31.7



#77
Benzidine
Concen: 1.793 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.25 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Tgt Ion:184 Resp: 19549
Ion Ratio Lower Upper
184 100
185 16.7 11.3 16.9
183 7.8 9.2 13.8#

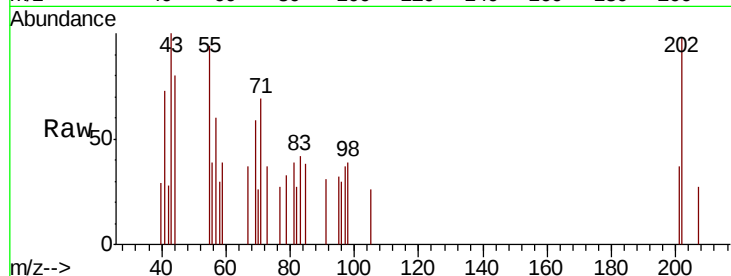




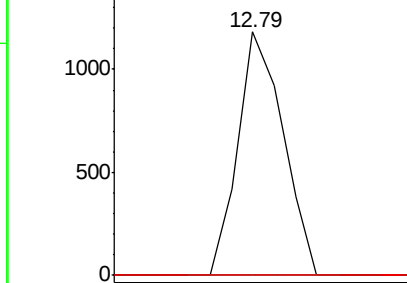
#78
 Pvrene
 Concen: 0.042 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF116671.D
 Acq: 31 Aug 2019 1:03

Instrument :
 BNA_F
 ClientSampleId :

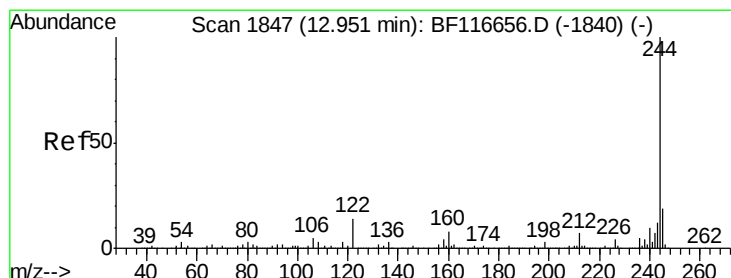
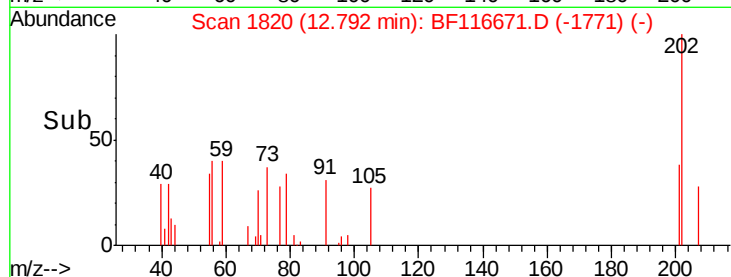
Tot Ion	Ratio	Lower	Upper
202	100		
200	0.0	16.5	24.7#
203	0.0	13.7	20.5#



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

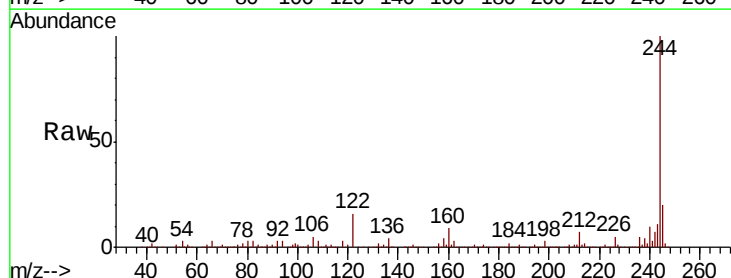


Time--> 12.76 12.78 12.80 12.82

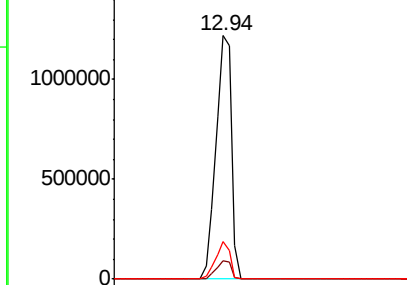


#79
 Terphenyl-d14
 Concen: 89.467 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116671.D
 Acq: 31 Aug 2019 1:03

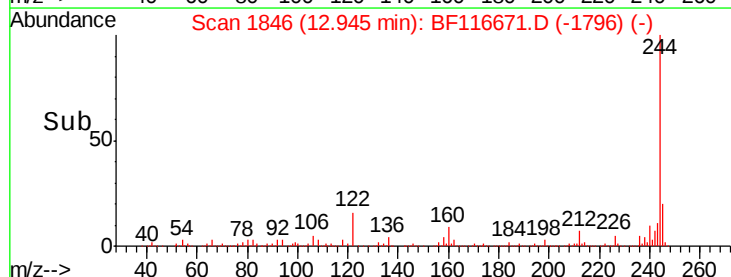
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	15.6	10.2	15.4#

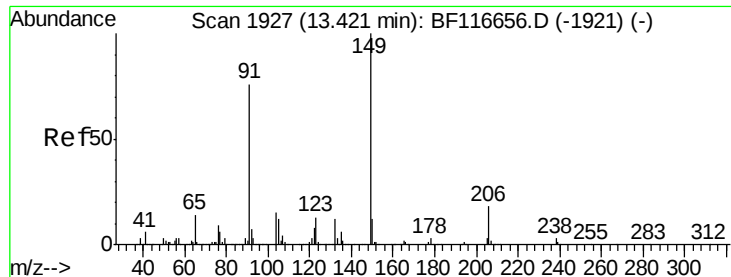


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



Time--> 12.90 13.00 13.10

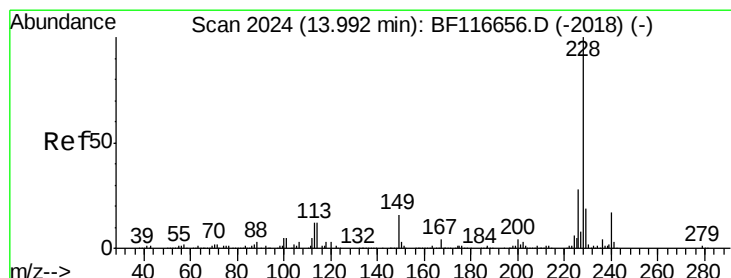
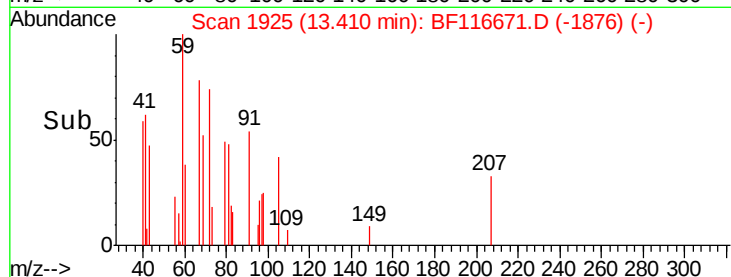
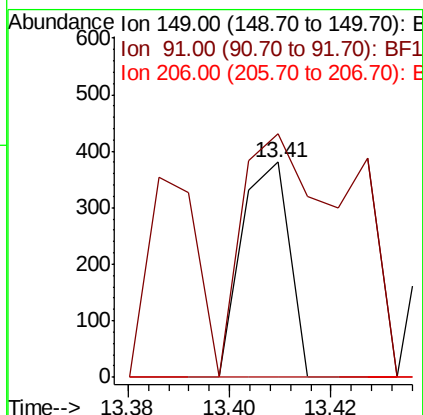
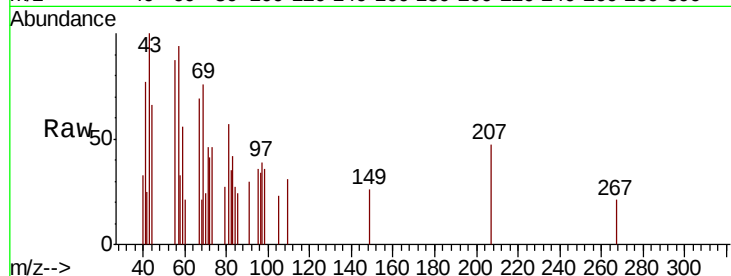




#80
Butylbenzylphthalate
Concen: 0.021 ng
RT: 13.41 min Scan# 1925
Delta R.T. -0.01 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

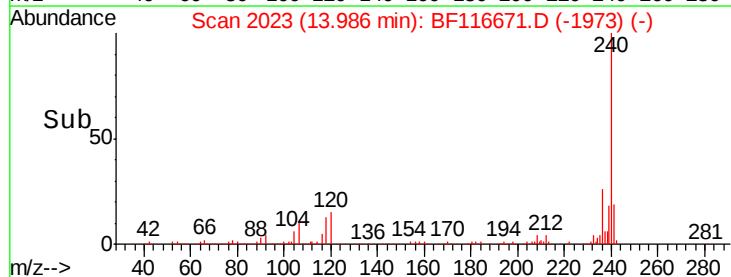
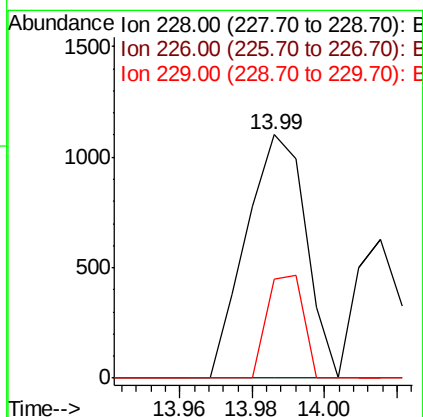
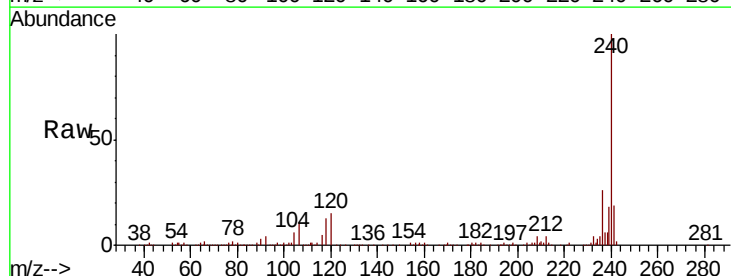
Instrument :
BNA_F
ClientSampled :

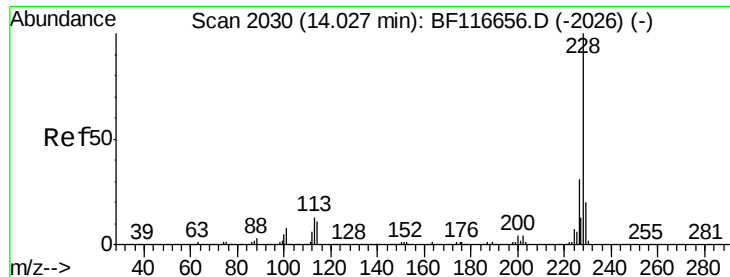
Tot Ion	Ratio	Lower	Upper
149	100		
91	113.4	61.0	91.4#
206	0.0	14.8	22.2#



#81
Benzo(a)anthracene
Concen: 0.072 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.0	33.0#
229	40.5	16.4	24.6#

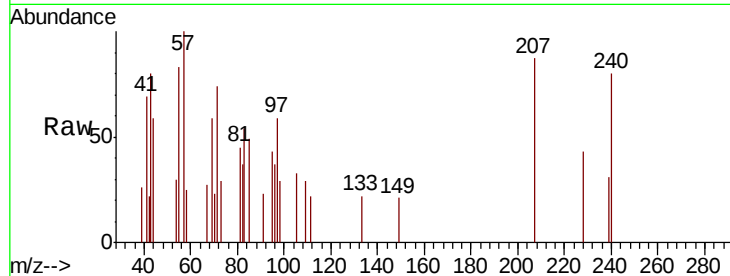




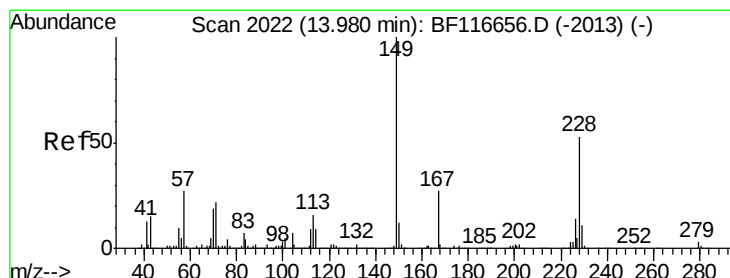
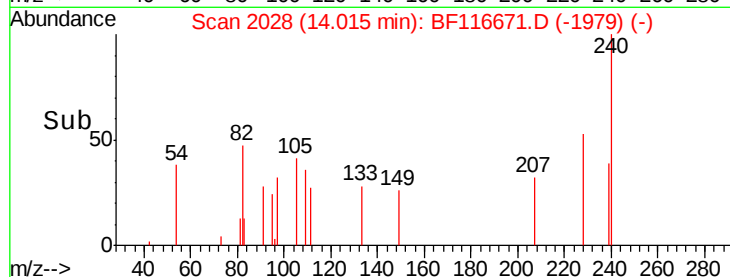
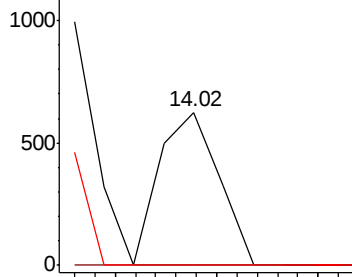
#83
 Chrvsene
 Concen: 0.028 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF116671.D
 Acq: 31 Aug 2019 1:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.0	36.0#
229	0.0	15.4	23.0#

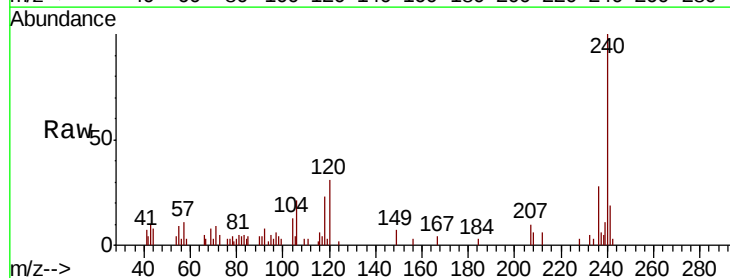


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

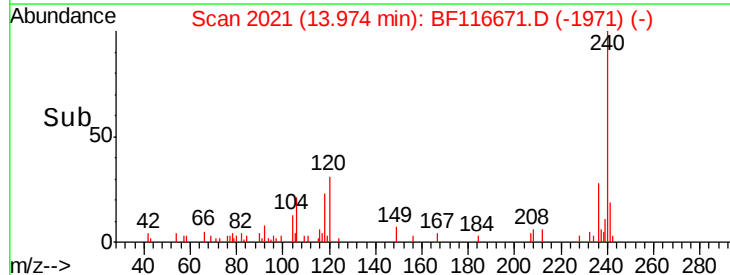
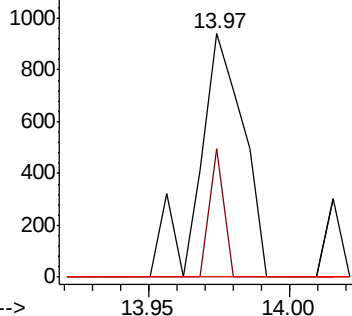


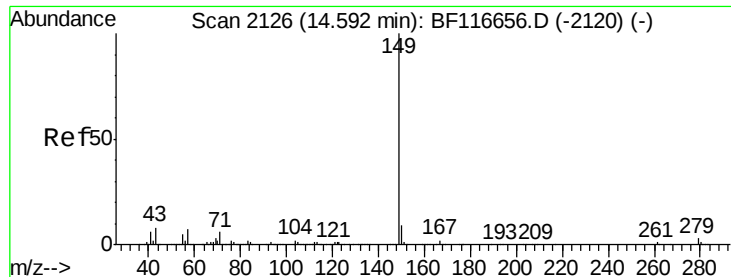
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.069 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF116671.D
 Acq: 31 Aug 2019 1:03

Tgt Ion	Ratio	Lower	Upper
149	100		
167	52.9	21.0	31.4#
279	0.0	2.8	4.2#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

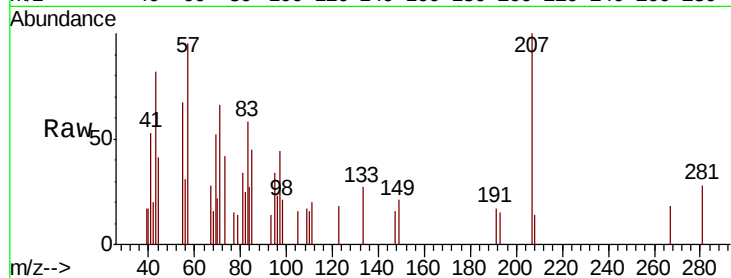




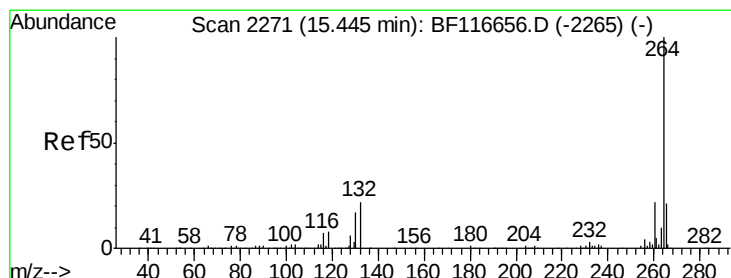
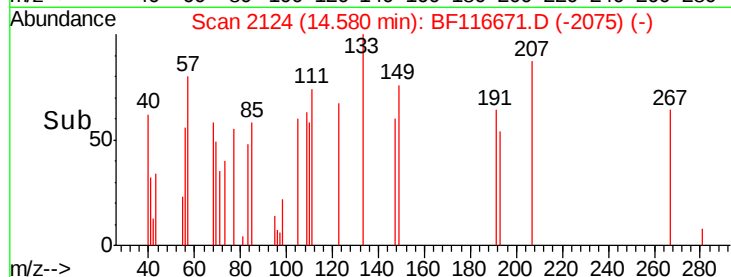
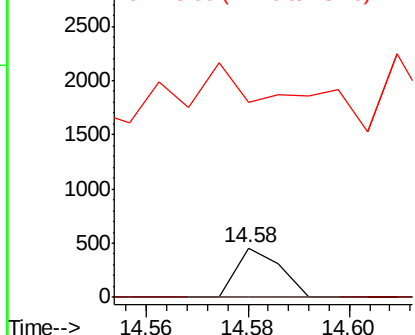
#85
Di-n-octyl phthalate
Concen: 0.011 ng
RT: 14.58 min Scan# 2124
Delta R.T. -0.01 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Instrument :
BNA_F
ClientSampled :

Tot Ion:149 Resp: 270
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 344.1 7.8 11.8#

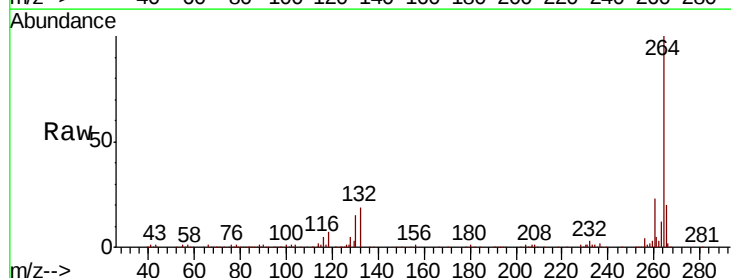


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

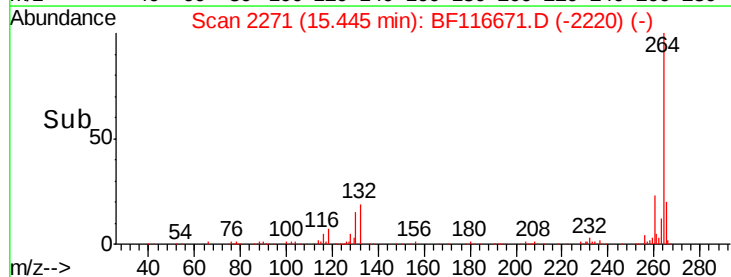
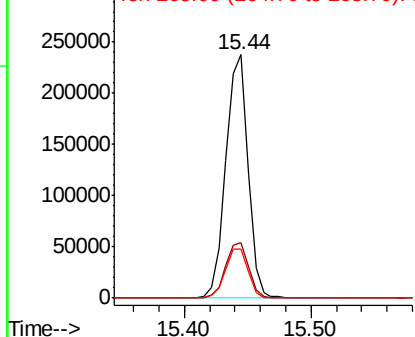


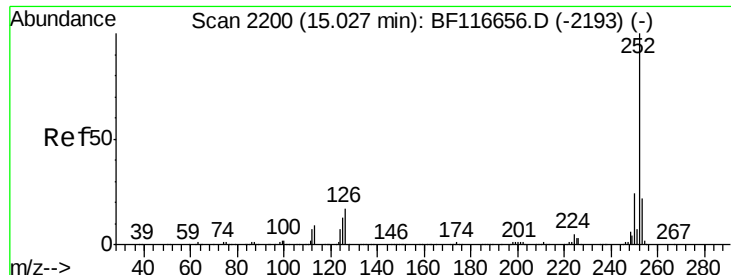
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Tgt Ion:264 Resp: 287020
Ion Ratio Lower Upper
264 100
260 22.9 18.3 27.5
265 20.3 16.5 24.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

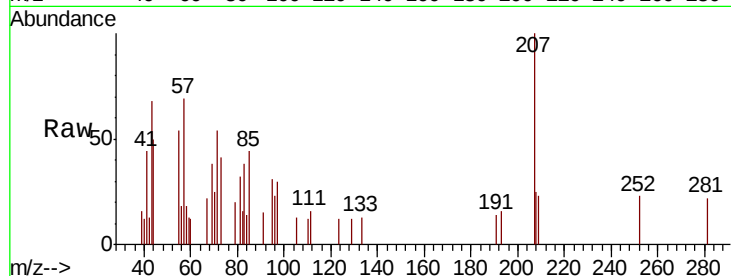




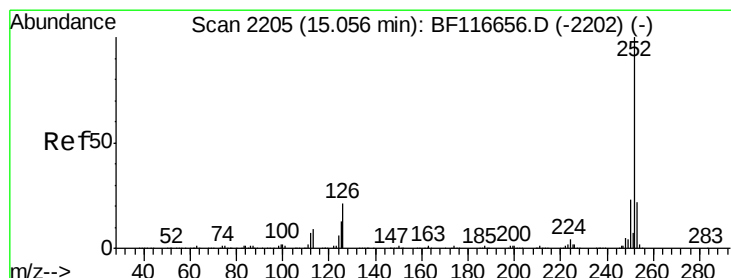
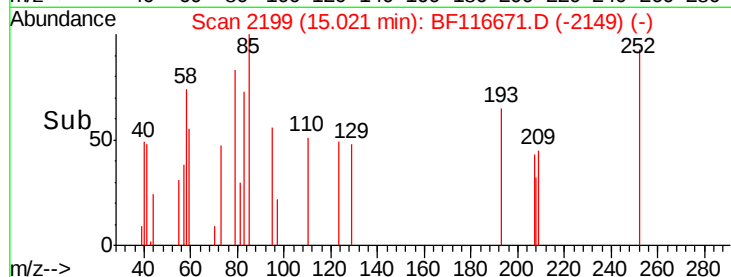
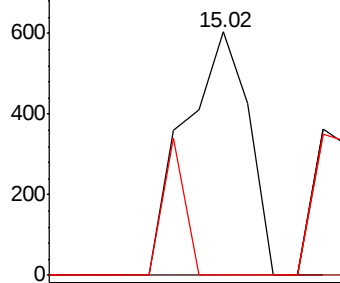
#88
Benzo(b)fluoranthene
Concen: 0.037 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 637
Ion Ratio Lower Upper
252 100
253 0.0 17.7 26.5#
125 0.0 8.2 12.2#

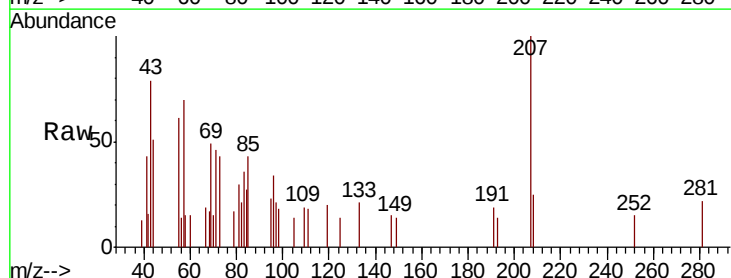


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

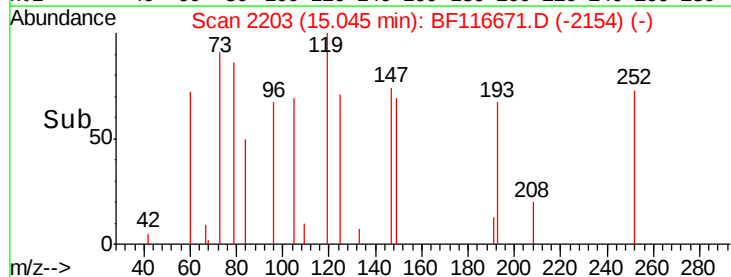
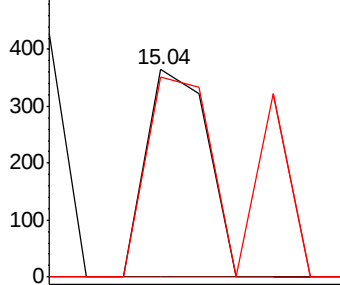


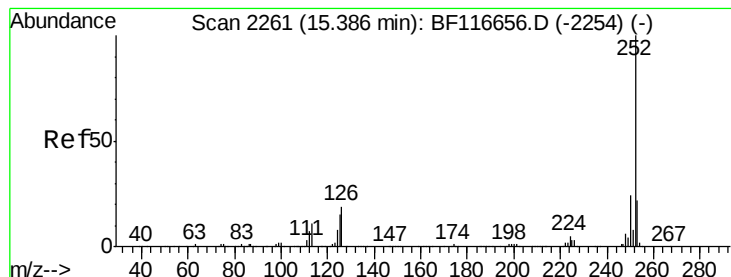
#89
Benzo(k)fluoranthene
Concen: 0.015 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116671.D
Acq: 31 Aug 2019 1:03

Tgt Ion:252 Resp: 242
Ion Ratio Lower Upper
252 100
253 0.0 17.7 26.5#
125 96.7 8.6 13.0#



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





#90
 Benzo(a)pyrene
 Concen: 0.015 ng
 RT: 15.38 min Scan# 2260
 Delta R.T. -0.01 min
 Lab File: BF116671.D
 Acq: 31 Aug 2019 1:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.1	27.1#
125	96.1	9.8	14.8#

