

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
 Data File : BF113718.D
 Acq On : 11 Apr 2019 14:12
 Operator : JU/SJ
 Sample : K2358-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 00:58:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	125445	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	474905	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	236851	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	510278	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	434284	20.00	ng	-0.02
87) Perylene-d12	15.23	264	402302	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	722949	98.27	ng	-0.01
7) Phenol-d6	6.33	99	955868	105.42	ng	-0.01
23) Nitrobenzene-d5	7.24	82	558504	68.89	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	281344	98.89	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1085547	73.79	ng	-0.02
79) Terphenyl-d14	12.77	244	1283960	60.19	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.32	88	140	0.040	ng	# 1
6) Aniline	6.45	93	906	0.082	ng	# 1
9) Benzaldehyde	6.33	77	1115	0.207	ng	# 1
10) Phenol	6.33	94	3314	0.320	ng	# 1
11) bis(2-Chloroethyl)ether	6.45	93	906	0.112	ng	# 1
15) Benzyl Alcohol	6.83	79	8435	1.376	ng	# 45
19) n-Nitroso-di-n-propylamine	7.24	70	71477	12.784	ng	# 76
22) Acetophenone	7.07	105	121	0.012	ng	# 51
24) Nitrobenzene	7.24	77	1242	0.149	ng	# 23
25) Isophorone	7.24	82	558501	35.760	ng	# 64
31) Naphthalene	7.98	128	962	0.042	ng	# 68
35) Caprolactam	8.39	113	312	0.143	ng	# 53
37) 2-Methylnaphthalene	8.69	142	378	0.025	ng	# 70
38) 1-Methylnaphthalene	8.78	142	433	0.030	ng	# 90
46) 1,1'-Biphenyl	9.14	154	1817	0.093	ng	# 93
47) 2-Chloronaphthalene	9.43	162	716	0.048	ng	# 1
48) 2-Nitroaniline	9.43	65	1091	0.241	ng	# 1
49) Acenaphthylene	9.57	152	893	0.037	ng	# 60
50) Dimethylphthalate	9.43	163	143609	8.225	ng	# 100
51) 2,6-Dinitrotoluene	9.43	165	1495	0.388	ng	# 20
52) Acenaphthene	9.73	154	1504	0.109	ng	# 91
55) Dibenzofuran	9.93	168	1116	0.055	ng	# 86
56) 4-Nitrophenol	9.93	139	285	0.105	ng	# 7
57) 2,4-Dinitrotoluene	9.70	165	29832	6.409	ng	# 23
58) Fluorene	10.26	166	1861	0.116	ng	# 89
60) Diethylphthalate	10.13	149	157	0.009	ng	# 59
63) Azobenzene	10.49	77	988	0.062	ng	# 3
65) 4,6-Dinitro-2-methylphenol	10.49	198	377	0.140	ng	# 1
66) n-Nitrosodiphenylamine	10.49	169	7623	0.487	ng	# 35
67) 4-Bromophenyl-phenylether	10.49	248	15573	2.721	ng	# 1
71) Phenanthrene	11.21	178	34522	1.361	ng	# 99
72) Anthracene	11.27	178	10300	0.399	ng	# 96
73) Carbazole	11.45	167	2802	0.116	ng	# 85
74) Di-n-butylphthalate	11.75	149	2682	0.093	ng	# 78

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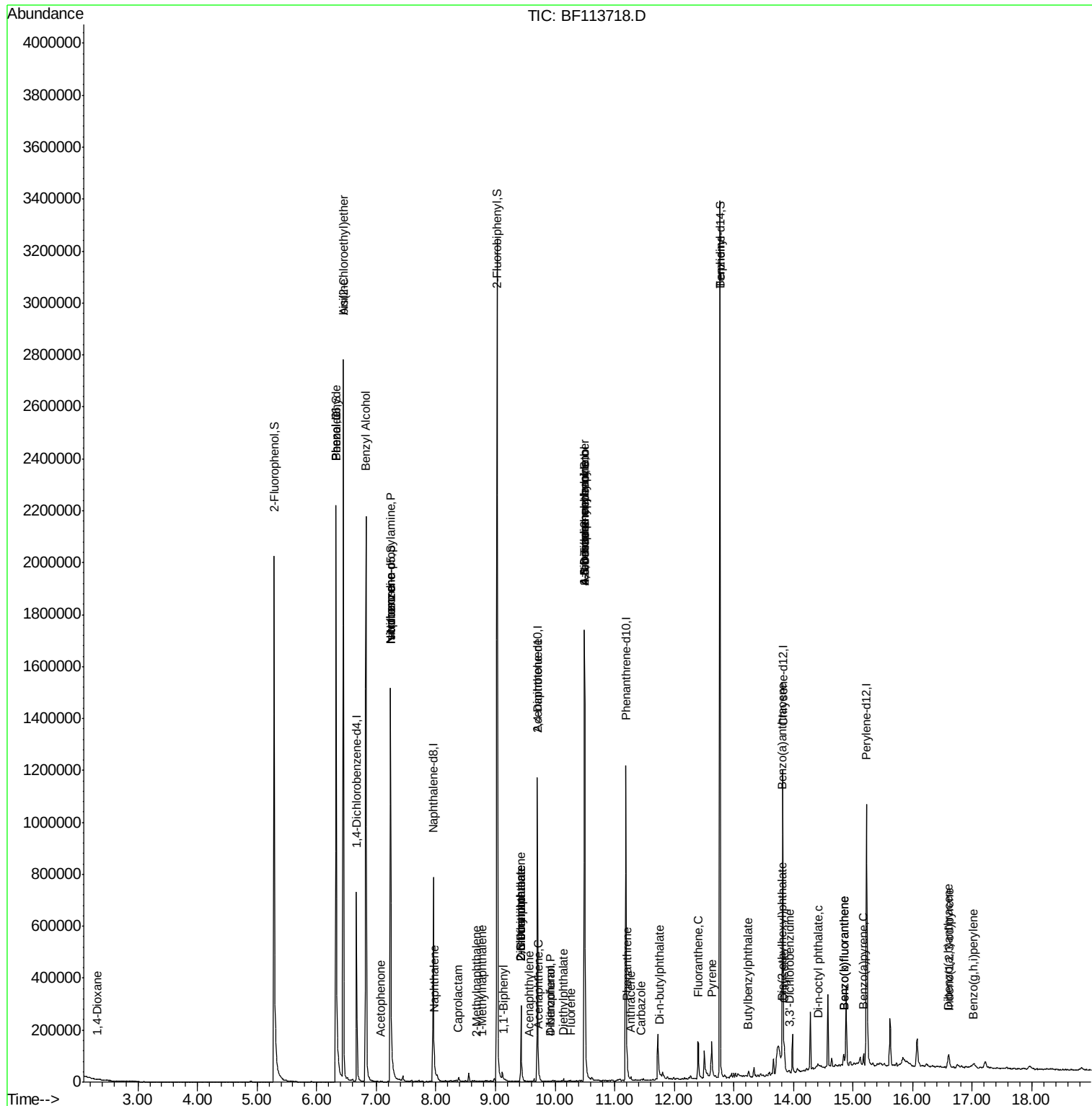
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

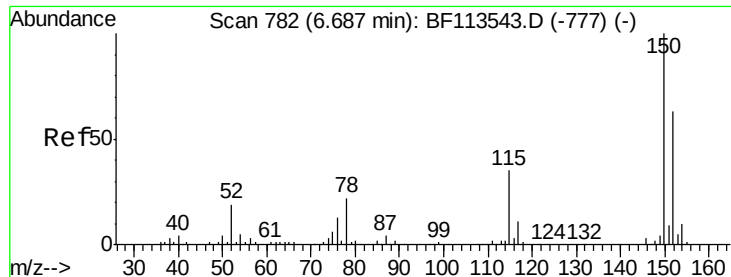
75) Fluoranthene	12.40	202	72283	2.660	ng	99
77) Benzidine	12.77	184	14628	0.906	ng	98
78) Pyrene	12.63	202	65607	1.985	ng	98
80) Butylbenzylphthalate	13.23	149	230	0.017	ng	# 42
81) Benzo(a)anthracene	13.81	228	27689	1.105	ng	98
82) 3,3'-Dichlorobenzidine	13.94	252	107	0.011	ng	# 25
83) Chrysene	13.85	228	24863	0.979	ng	96
84) Bis(2-ethylhexyl)phthalate	13.80	149	7112	0.437	ng	# 97
85) Di-n-octyl phthalate	14.40	149	661	0.025	ng	# 1
86) Indeno(1,2,3-cd)pyrene	16.62	276	12678	0.541	ng	# 92
88) Benzo(b)fluoranthene	14.84	252	35803	1.454	ng	# 94
89) Benzo(k)fluoranthene	14.84	252	35803	1.620	ng	# 93
90) Benzo(a)pyrene	15.17	252	19513	0.892	ng	94
91) Dibenzo(a,h)anthracene	16.60	278	4107	0.201	ng	# 65
92) Benzo(a,h,i)perylene	17.02	276	12369	0.592	ng	# 92

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

```
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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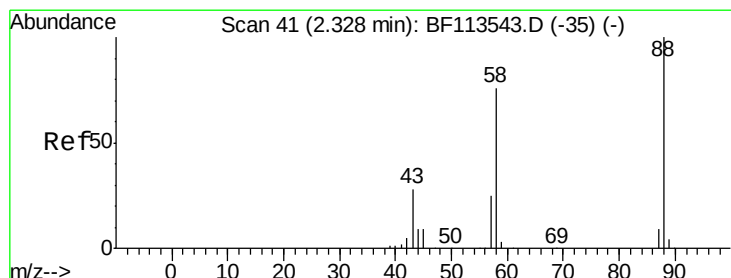
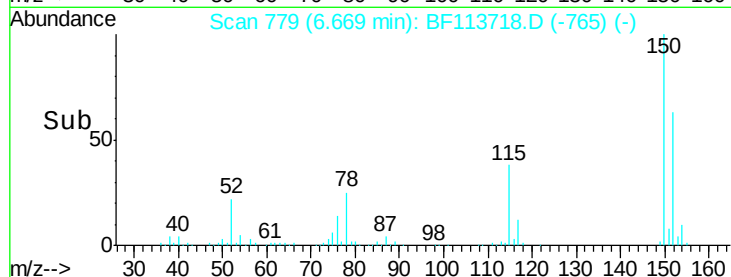
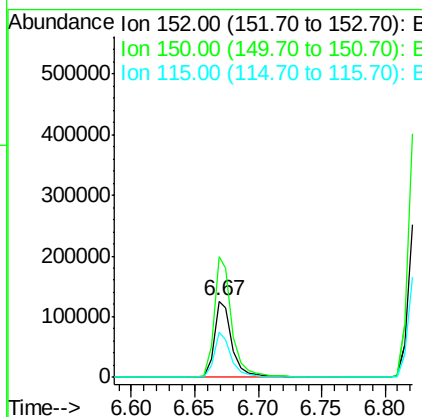
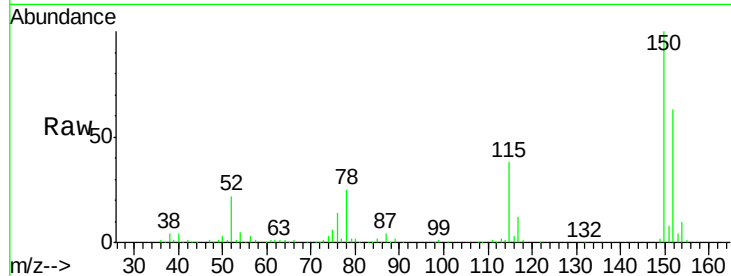


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Instrument :
BNA_F
ClientSampleId :

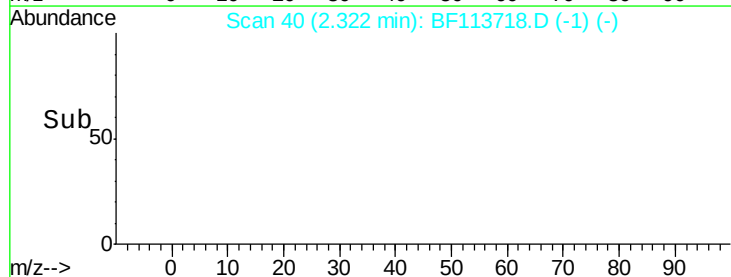
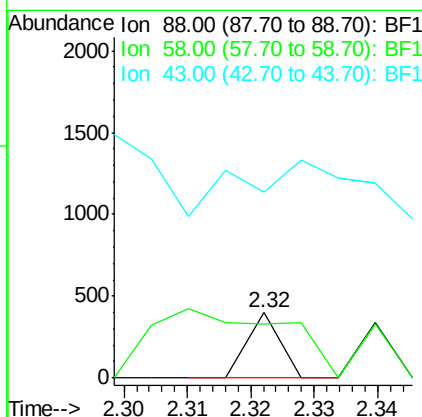
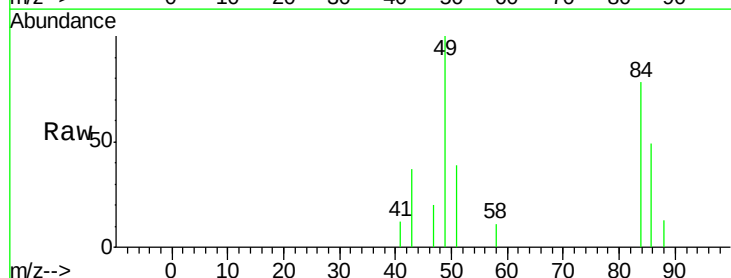
Tot Ion:152 Resp: 125445
Ion Ratio Lower Upper
152 100
150 158.2 124.7 187.1
115 59.4 46.0 69.0

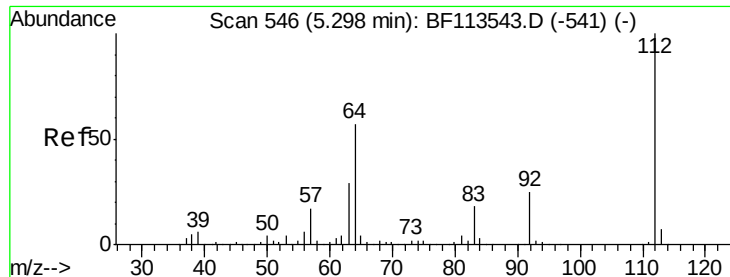


#2

1,4-Dioxane
Concen: 0.040 ng
RT: 2.32 min Scan# 40
Delta R.T. -0.01 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Tgt Ion: 88 Resp: 140
Ion Ratio Lower Upper
88 100
58 443.6 61.9 92.9#
43 0.0 24.2 36.4#





#5

2-Fluorophenol

Concen: 98.274 ng

RT: 5.29 min Scan# 544

Delta R.T. -0.01 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

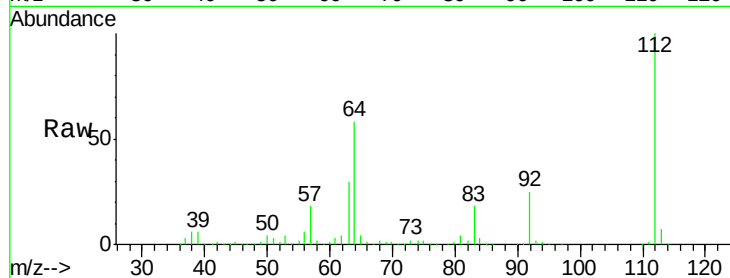
Tot Ion:112 Resp: 722949

Ion Ratio Lower Upper

112 100

64 57.9 49.2 73.8

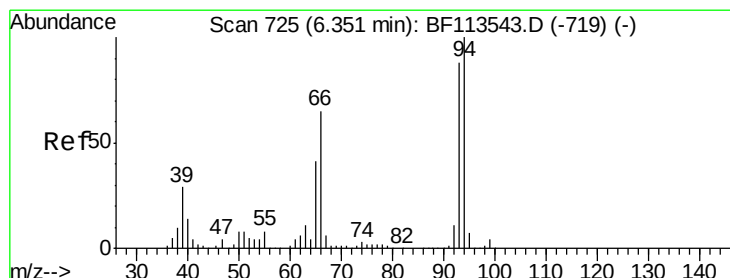
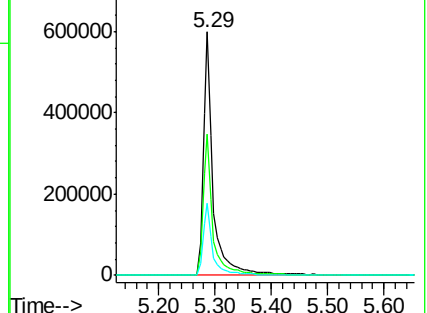
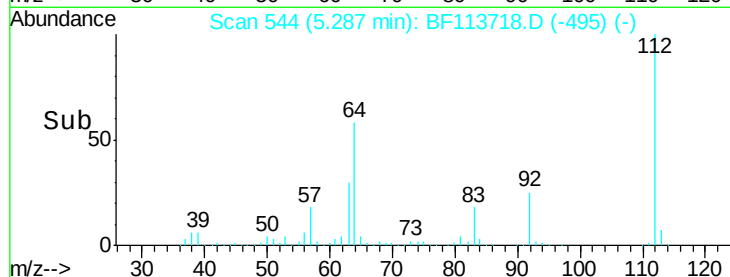
63 29.7 24.9 37.3



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: 0.082 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.09 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

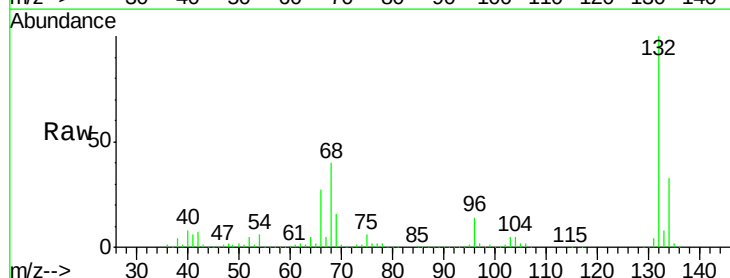
Tgt Ion: 93 Resp: 906

Ion Ratio Lower Upper

93 100

66 20092.0 62.1 93.1#

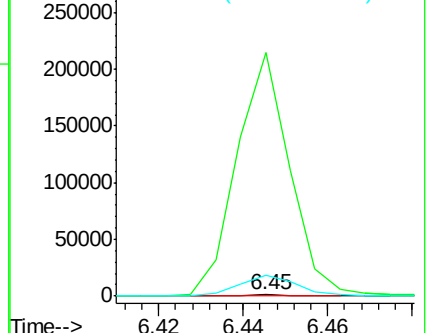
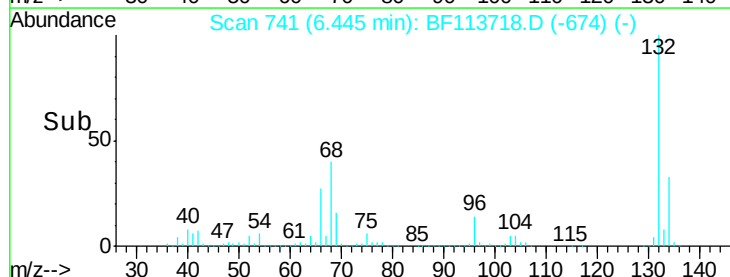
65 1749.7 38.7 58.1#

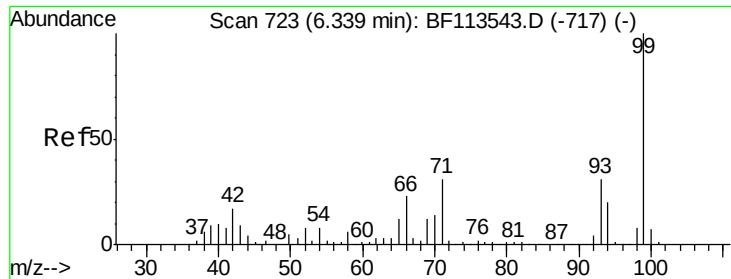


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 105.424 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampled :

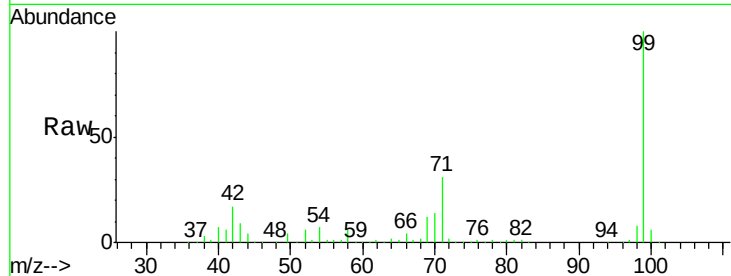
Tot Ion: 99 Resp: 955868

Ion Ratio Lower Upper

99 100

42 17.1 14.8 22.2

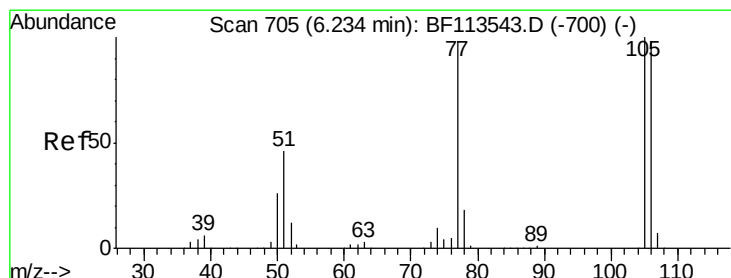
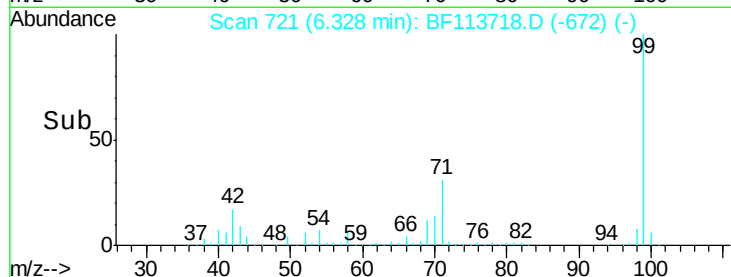
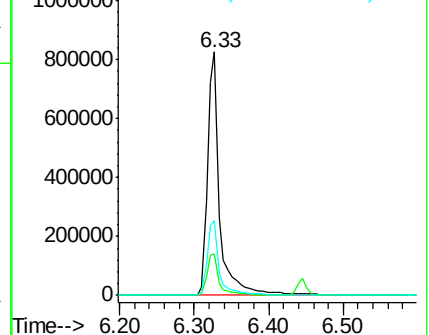
71 30.9 24.9 37.3



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



#9

Benzaldehyde

Concen: 0.207 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.09 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

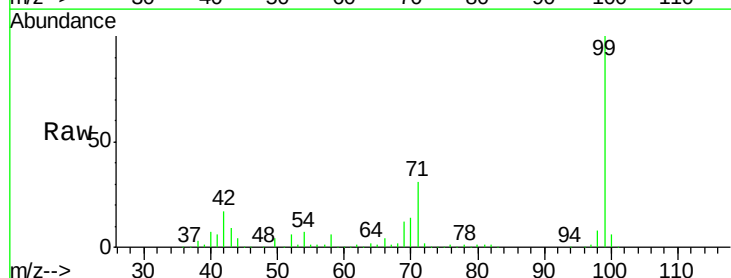
Tgt Ion: 77 Resp: 1115

Ion Ratio Lower Upper

77 100

105 0.0 80.9 120.9#

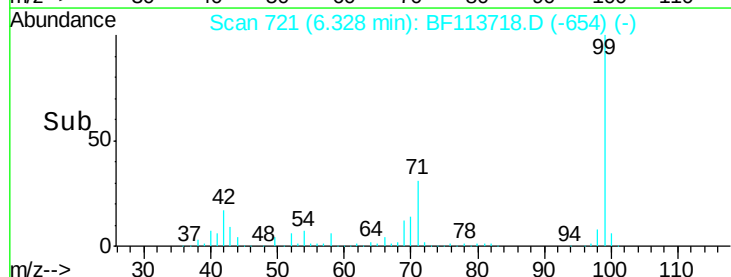
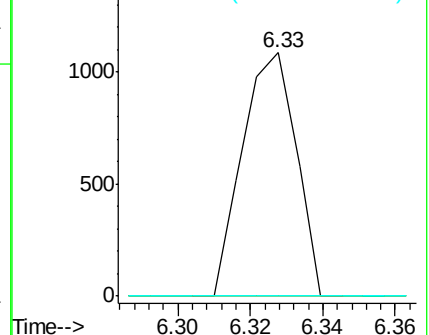
106 0.0 77.8 117.8#

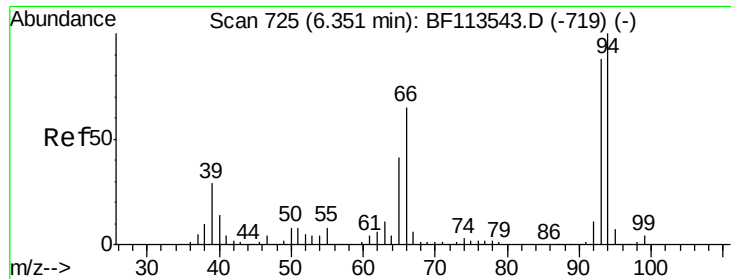


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

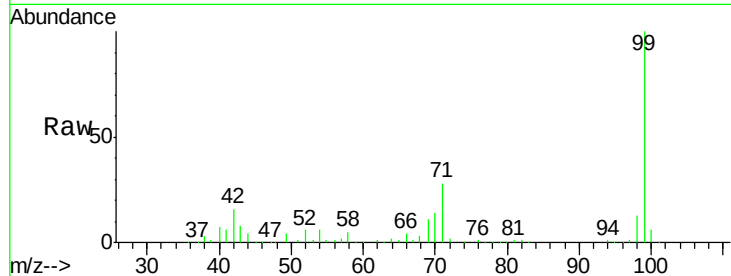




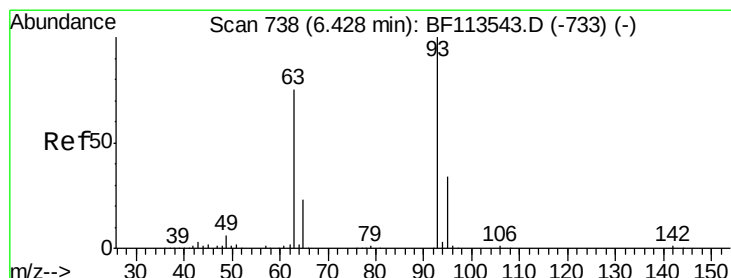
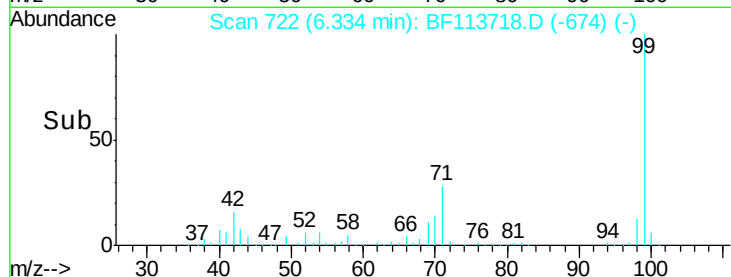
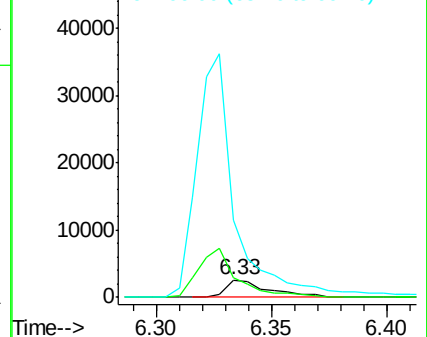
#10
Phenol
Concen: 0.320 ng
RT: 6.33 min Scan# 722
Delta R.T. -0.02 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Instrument :
BNA_F
ClientSampled :

Tot Ion: 94 Resp: 3314
Ion Ratio Lower Upper
94 100
65 108.4 21.4 61.4#
66 440.6 46.4 86.4#

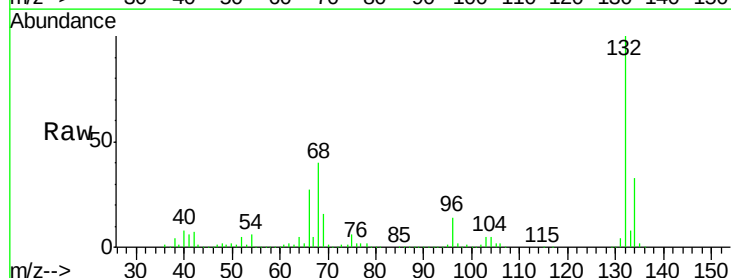


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

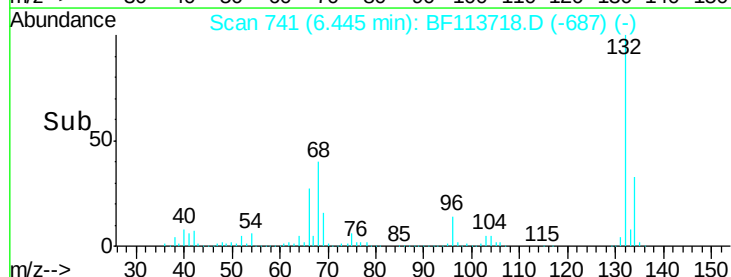
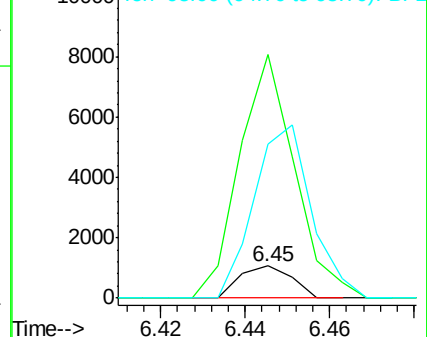


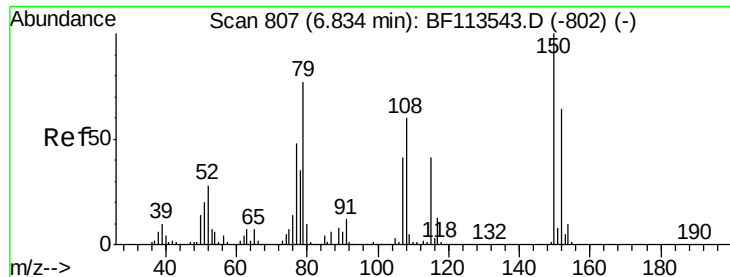
#11
bis(2-Chloroethyl)ether
Concen: 0.112 ng
RT: 6.45 min Scan# 741
Delta R.T. 0.02 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Tgt Ion: 93 Resp: 906
Ion Ratio Lower Upper
93 100
63 754.6 56.1 96.1#
95 477.7 12.8 52.8#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1





#15

Benzyl Alcohol

Concen: 1.376 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

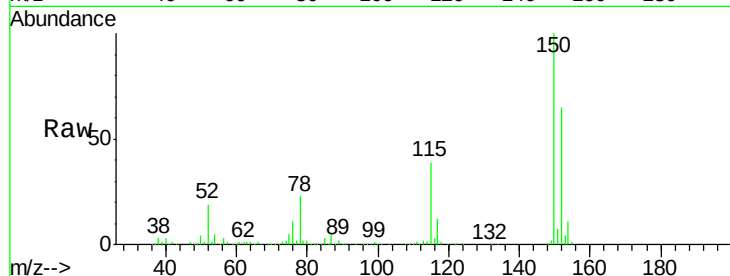
Tot Ion: 79 Resp: 8435

Ion Ratio Lower Upper

79 100

108 26.0 62.0 93.0#

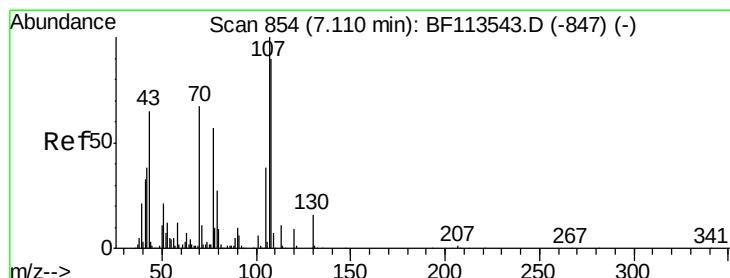
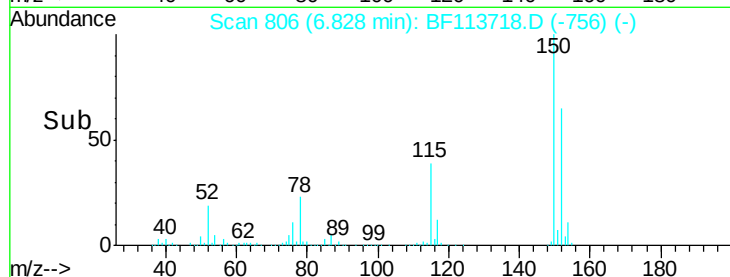
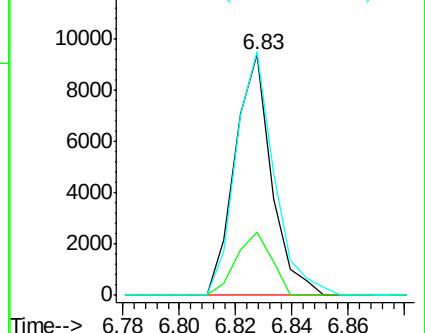
77 101.2 49.9 74.9#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.784 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Tgt Ion: 70 Resp: 71477

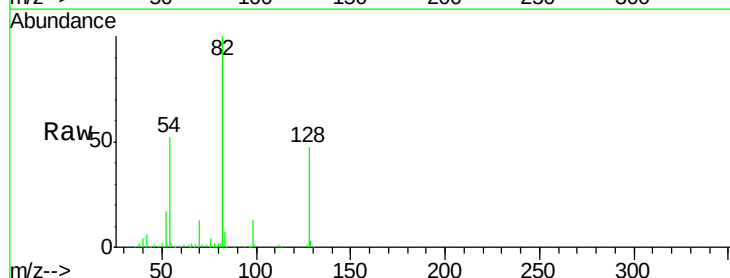
Ion Ratio Lower Upper

70 100

42 47.7 48.4 72.6#

101 0.0 7.8 11.8#

130 2.2 18.2 27.4#

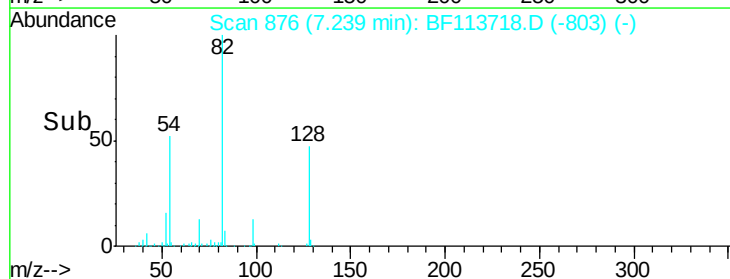
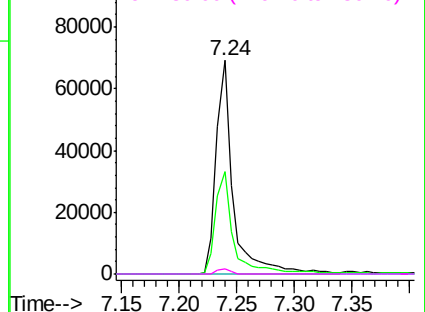


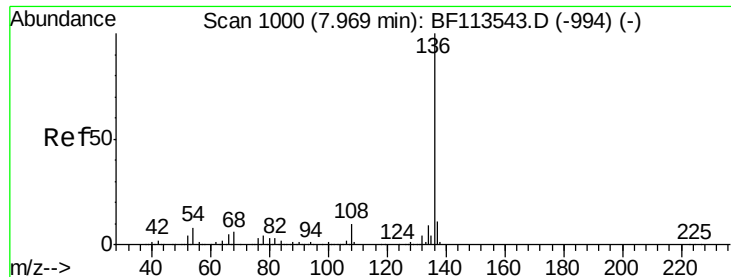
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

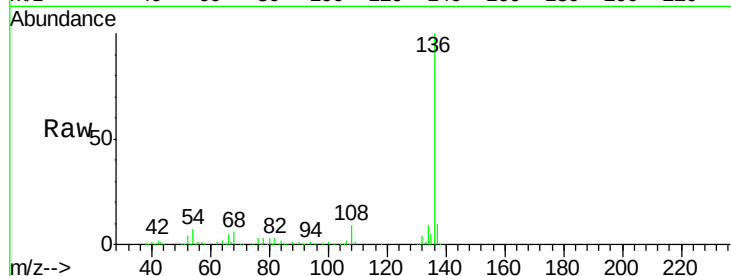




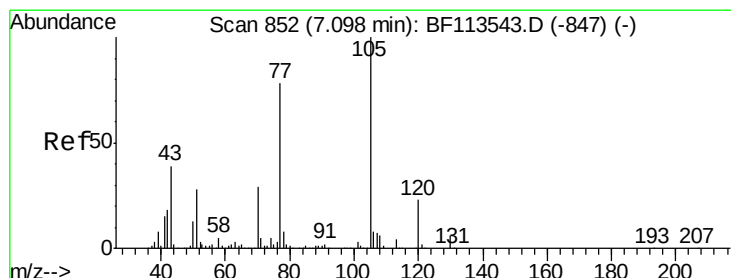
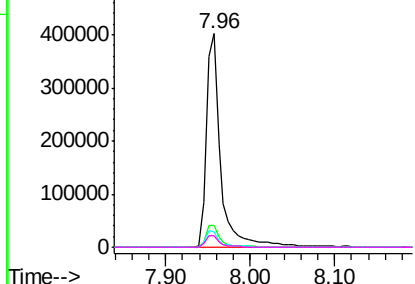
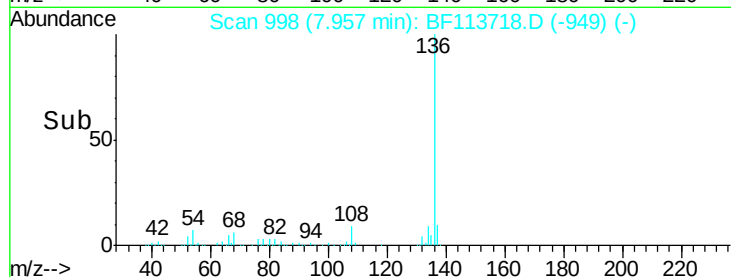
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	474905
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.9 13.3
54	7.3	7.0 10.6
68	5.5	4.8 7.2

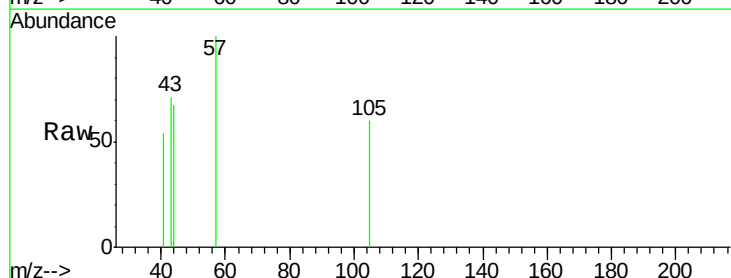


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

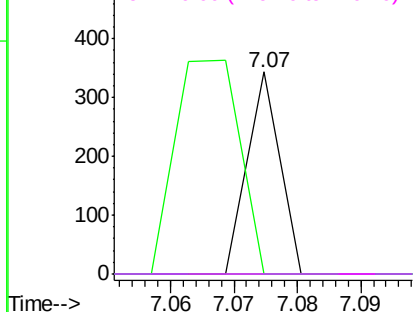
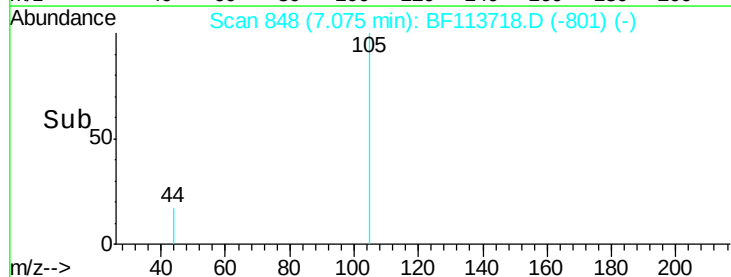


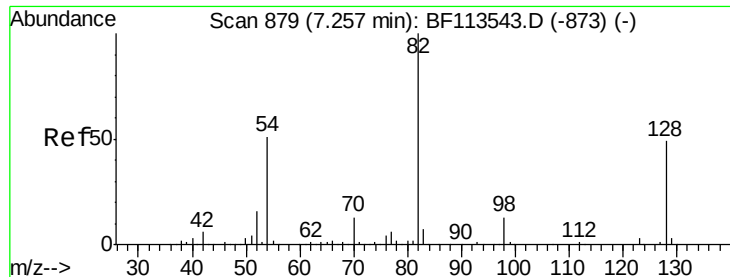
#22
Acetophenone
Concen: 0.012 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.02 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Tgt Ion:105	Resp:	121
Ion Ratio	Lower	Upper
105	100	
71	0.0	3.3 4.9#
51	0.0	24.2 36.2#
120	0.0	18.1 27.1#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

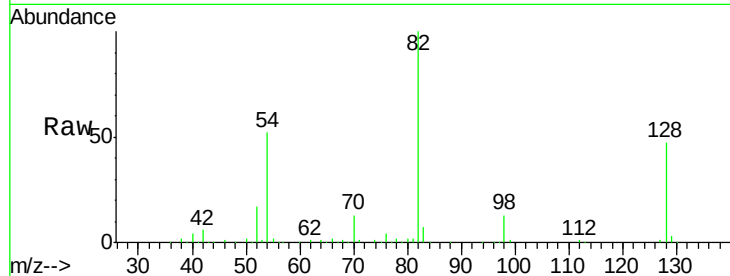




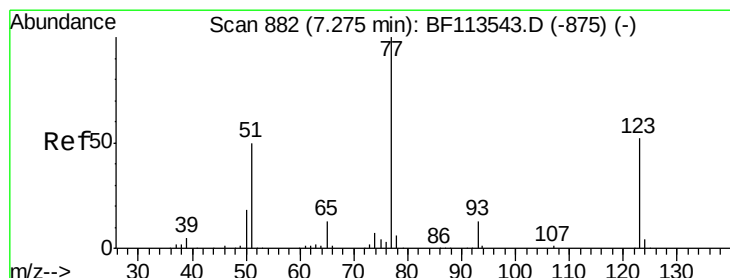
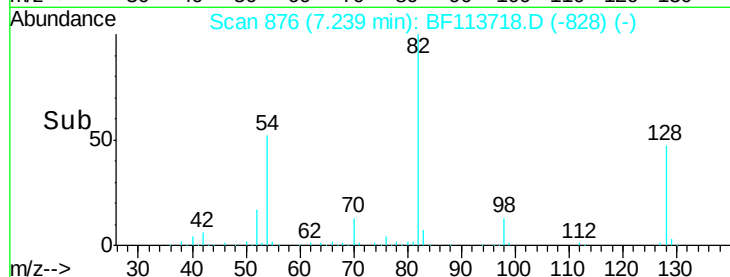
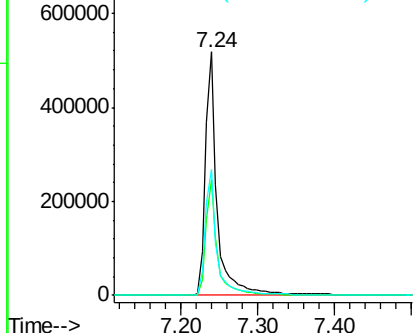
#23
Nitrobenzene-d5
Concen: 68.886 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 558504
Ion Ratio Lower Upper
82 100
128 47.5 36.5 54.7
54 51.8 42.2 63.2

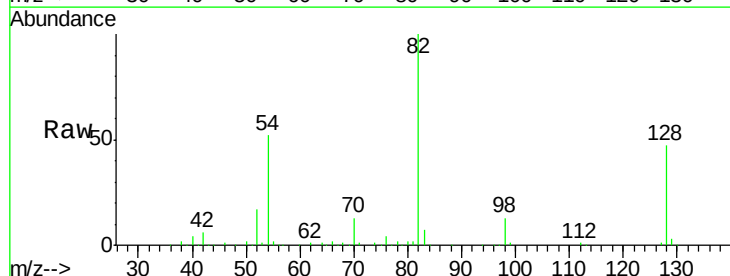


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

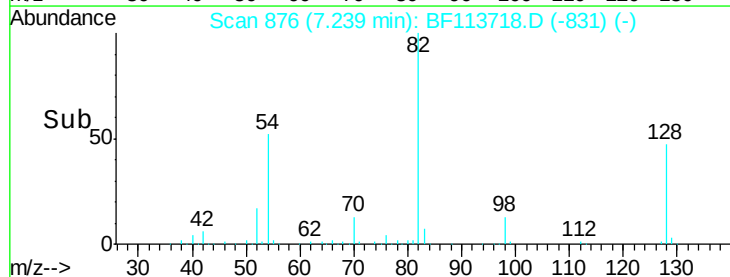
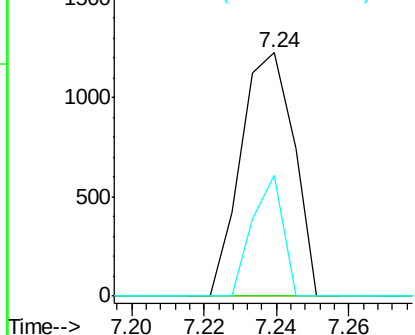


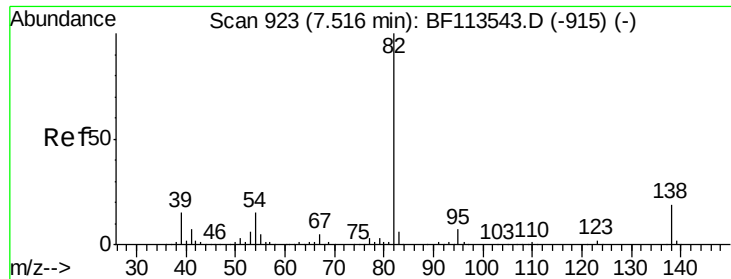
#24
Nitrobenzene
Concen: 0.149 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.04 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Tgt Ion: 77 Resp: 1242
Ion Ratio Lower Upper
77 100
123 0.0 40.8 61.2#
65 49.6 10.6 16.0#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 35.760 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

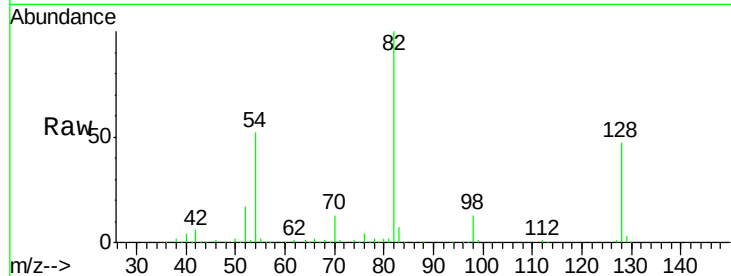
Tot Ion: 82 Resp: 558501

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

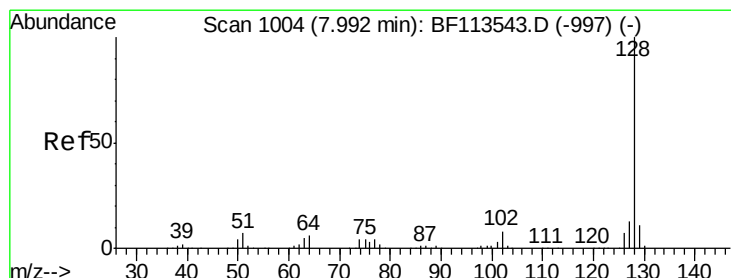
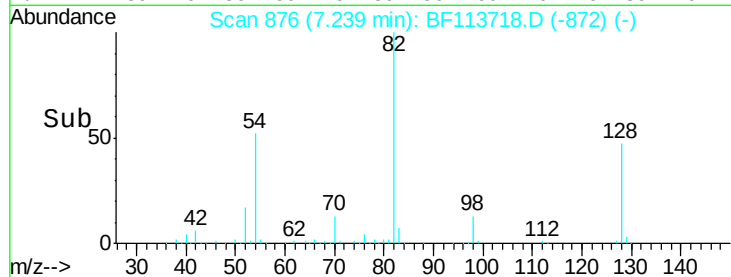
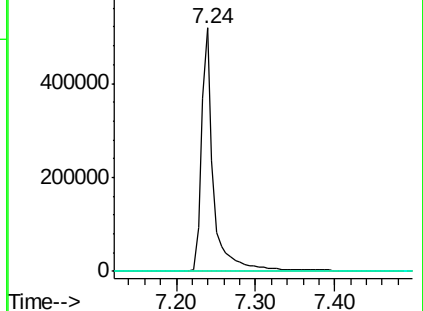
138 0.0 15.2 22.8#



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: 0.042 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

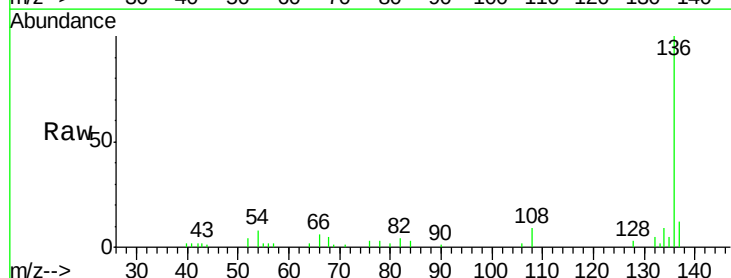
Tgt Ion: 128 Resp: 962

Ion Ratio Lower Upper

128 100

129 0.0 9.3 13.9#

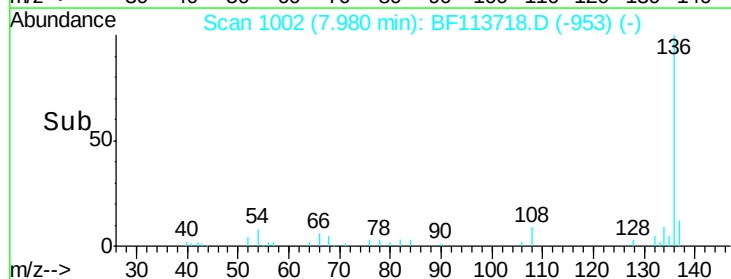
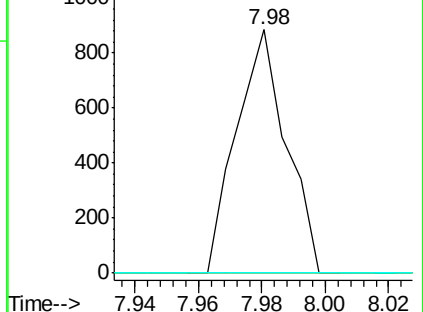
127 0.0 10.9 16.3#

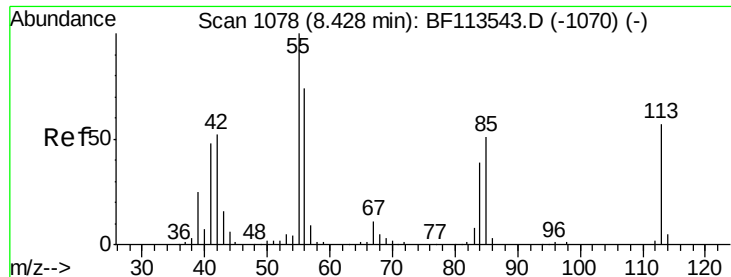


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#35

Caprolactam

Concen: 0.143 ng

RT: 8.39 min Scan# 1071

Delta R.T. -0.04 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

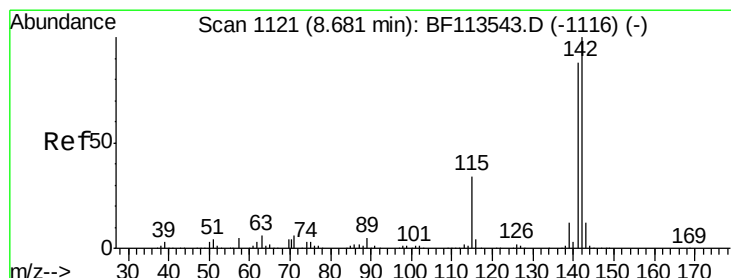
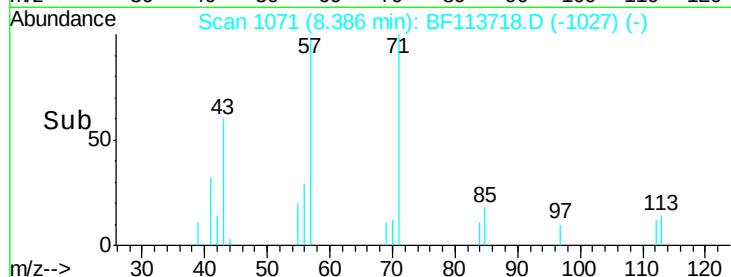
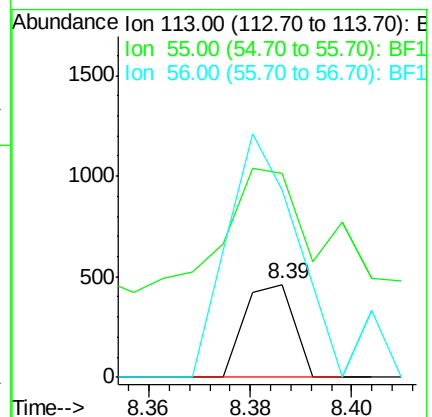
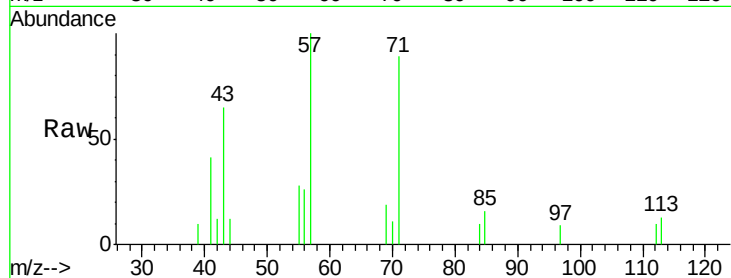
Tot Ion:113 Resp: 312

Ion Ratio Lower Upper

113 100

55 220.2 152.7 192.7#

56 202.4 108.3 148.3#



#37

2-Methylnaphthalene

Concen: 0.025 ng

RT: 8.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

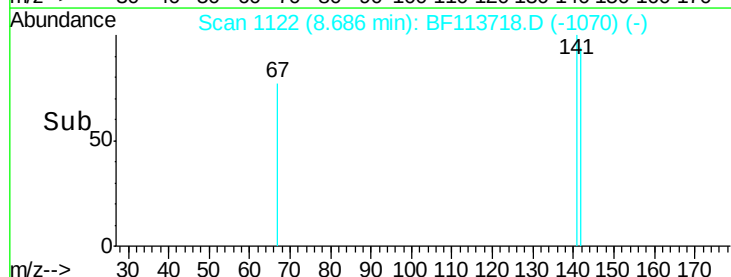
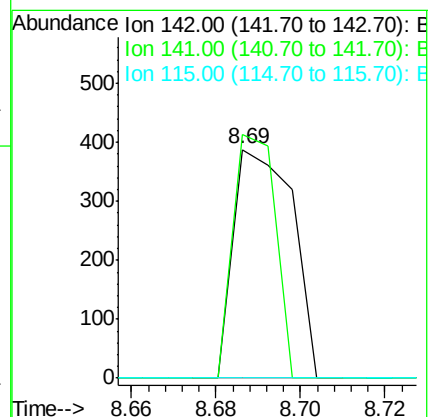
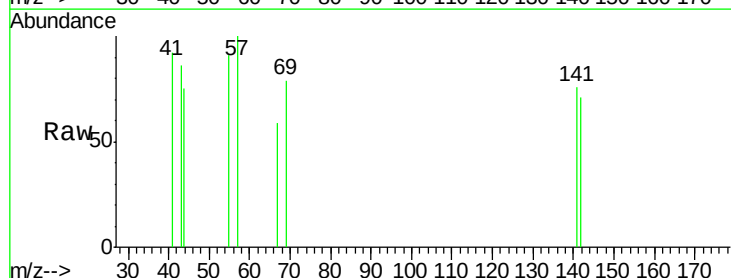
Tgt Ion:142 Resp: 378

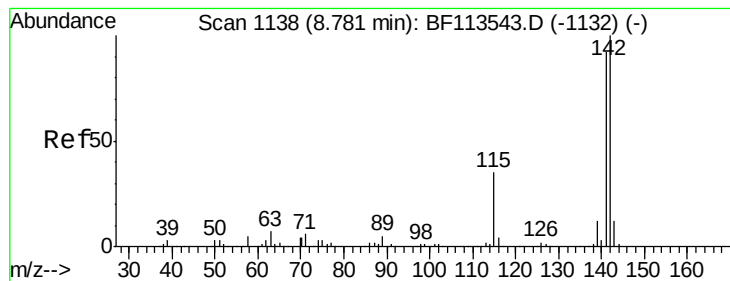
Ion Ratio Lower Upper

142 100

141 106.4 71.0 106.6

115 0.0 26.6 39.8#





#38

1-Methylnaphthalene

Concen: 0.030 ng

RT: 8.78 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

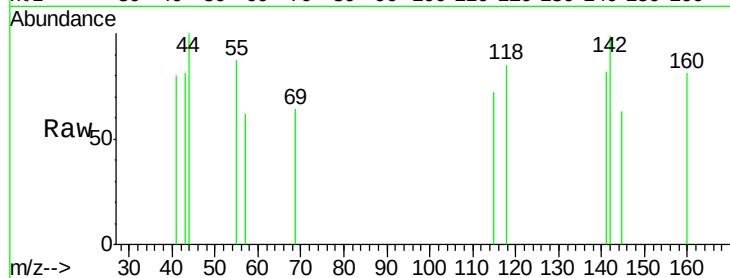
Tot Ion:142 Resp: 433

Ion Ratio Lower Upper

142 100

141 82.5 73.2 109.8

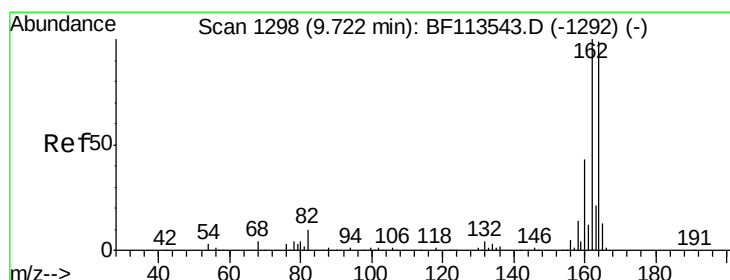
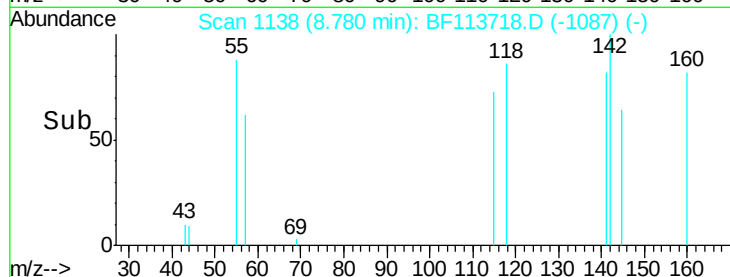
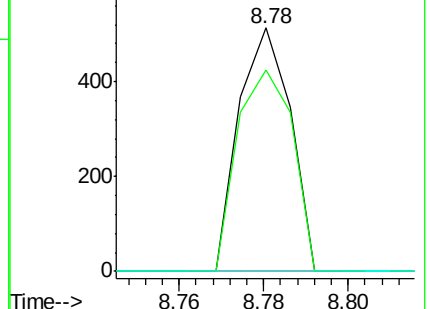
116 0.0 3.0 4.4#



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: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

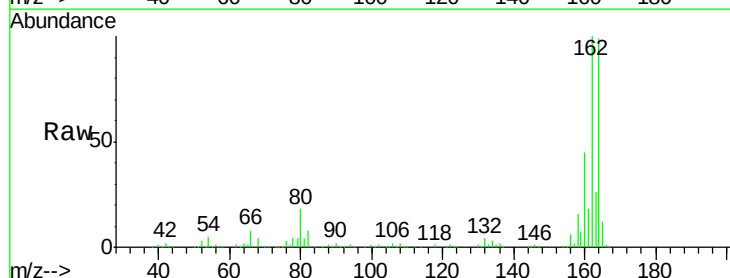
Tgt Ion:164 Resp: 236851

Ion Ratio Lower Upper

164 100

162 100.6 81.8 122.6

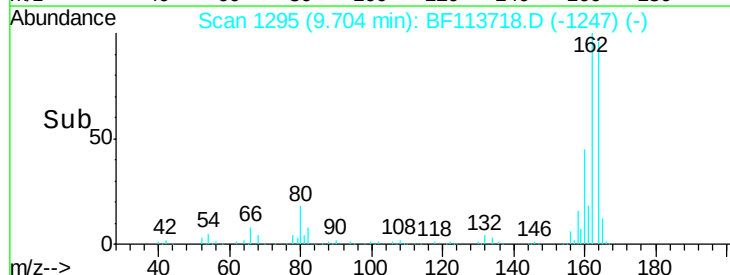
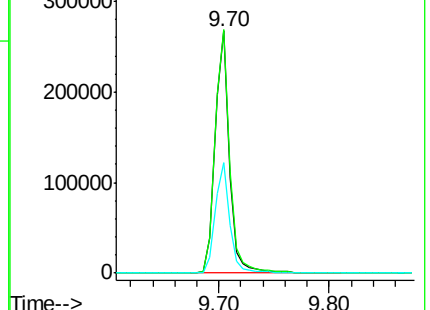
160 45.5 36.4 54.6

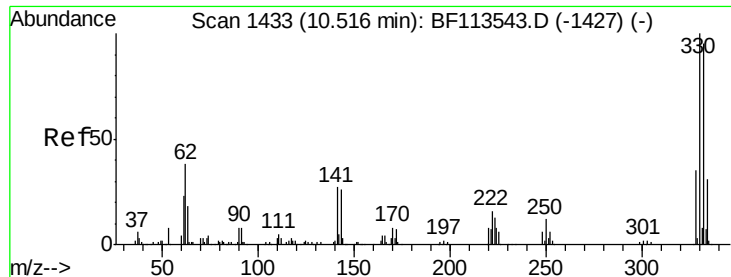


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

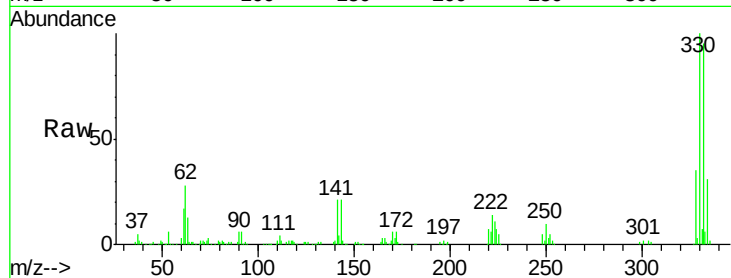




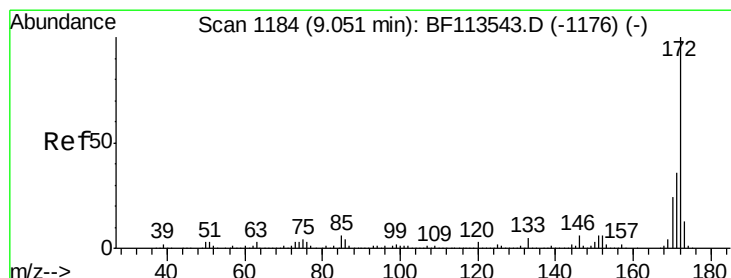
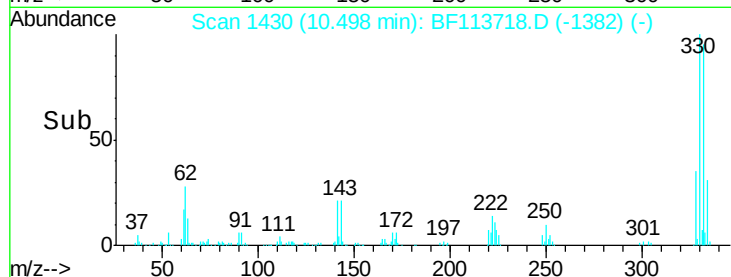
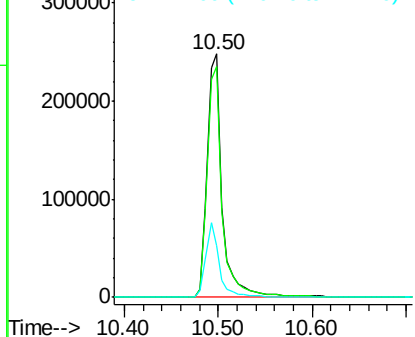
#42
 2,4,6-Tribromophenol
 Concen: 98.885 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113718.D
 Acq: 11 Apr 2019 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 281344
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.8 116.6
 141 27.6 22.7 34.1

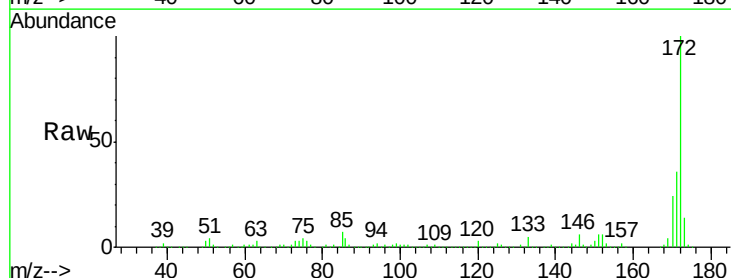


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

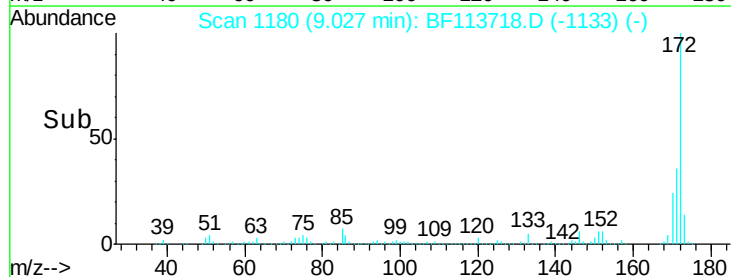
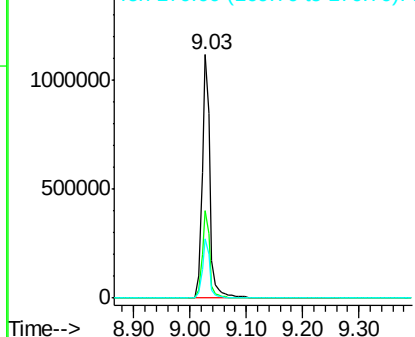


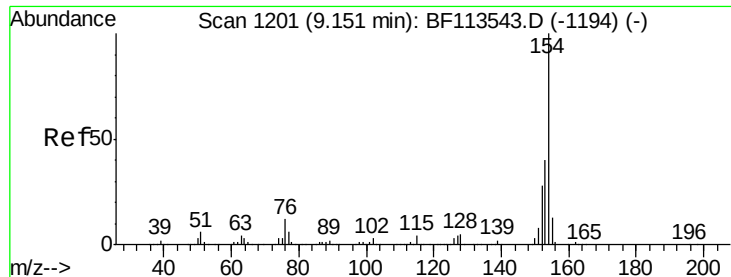
#45
 2-Fluorobiphenyl
 Concen: 73.785 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113718.D
 Acq: 11 Apr 2019 14:12

Tgt Ion:172 Resp: 1085547
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 24.2 19.5 29.3



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

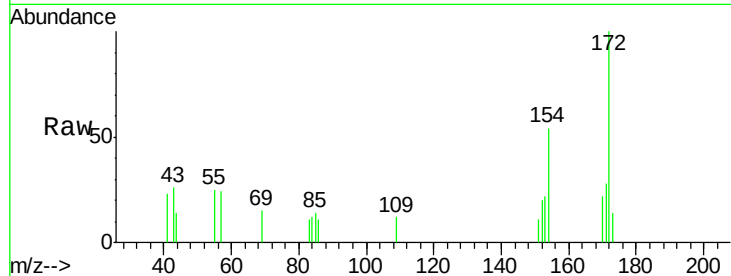




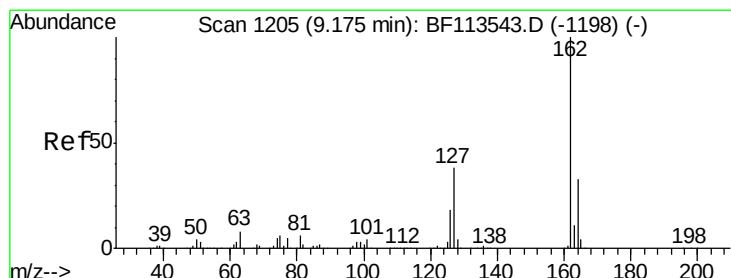
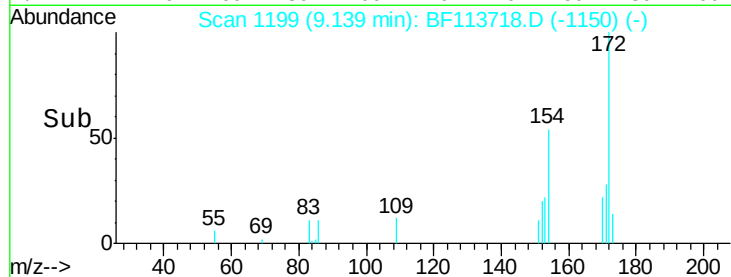
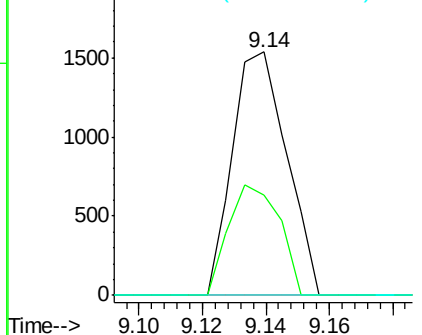
#46
 1,1'-Biphenyl
 Concen: 0.093 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF113718.D
 Acq: 11 Apr 2019 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 1817
 Ion Ratio Lower Upper
 154 100
 153 41.0 20.8 60.8
 76 0.0 0.0 31.9

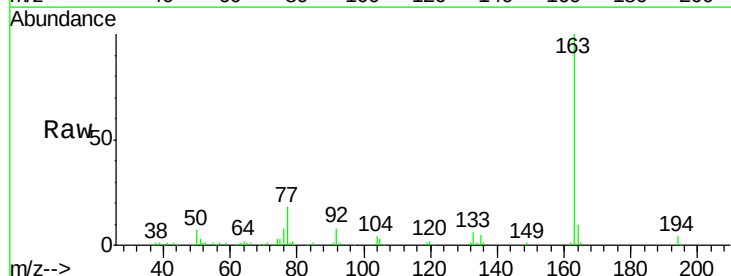


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

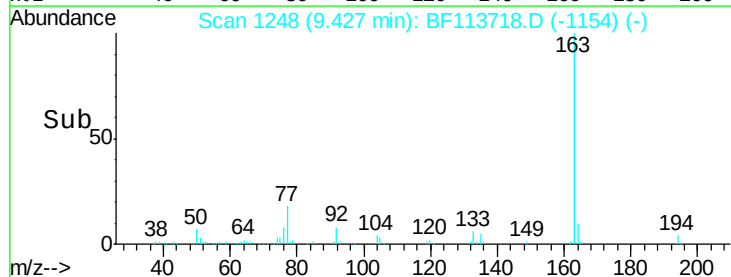
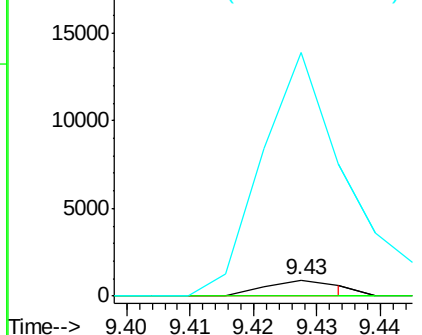


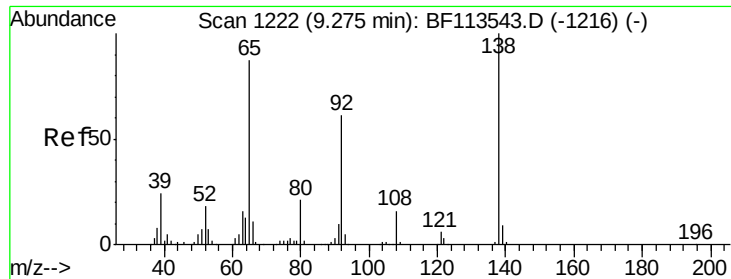
#47
 2-Chloronaphthalene
 Concen: 0.048 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. 0.25 min
 Lab File: BF113718.D
 Acq: 11 Apr 2019 14:12

Tgt Ion:162 Resp: 716
 Ion Ratio Lower Upper
 162 100
 127 0.0 32.6 49.0#
 164 1532.5 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

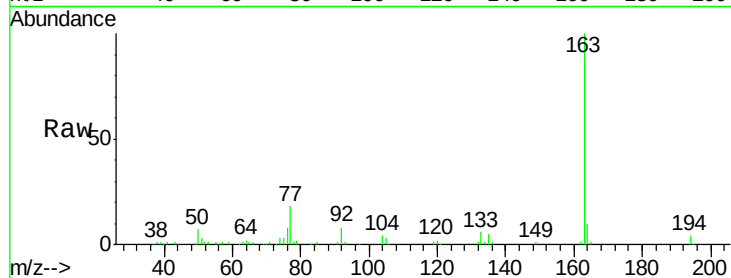




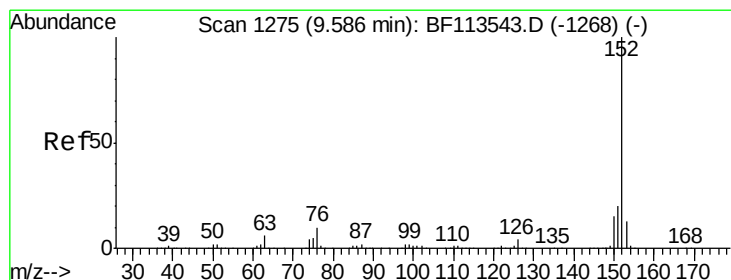
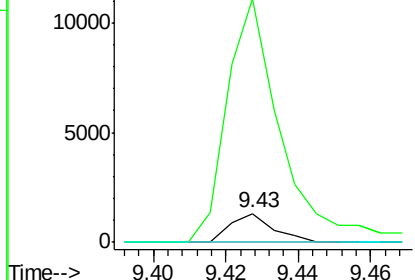
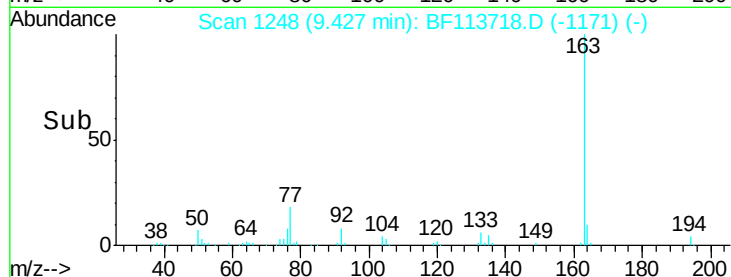
#48
2-Nitroaniline
Concen: 0.241 ng
RT: 9.43 min Scan# 1248
Delta R.T. 0.15 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Instrument :
BNA_F
ClientSampled :

Tot Ion: 65 Resp: 1091
Ion Ratio Lower Upper
65 100
92 841.0 56.8 85.2#
138 0.0 92.3 138.5#

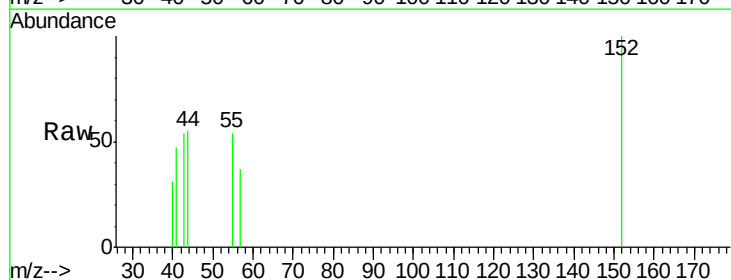


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

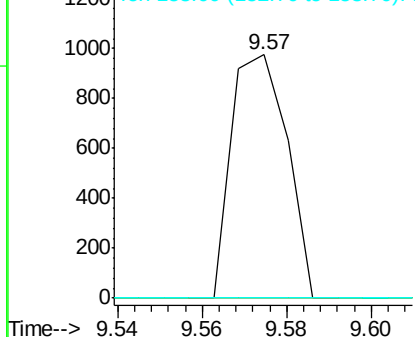
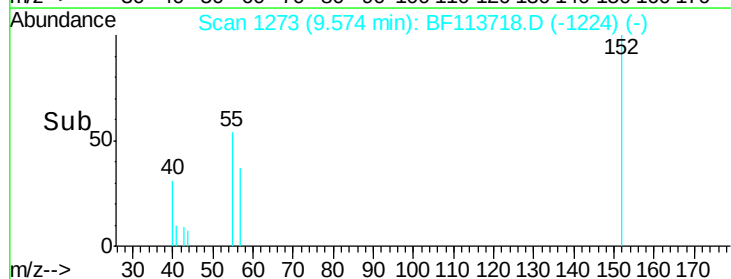


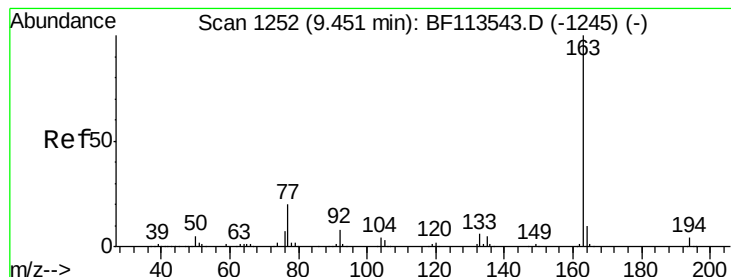
#49
Acenaphthylene
Concen: 0.037 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Tgt Ion: 152 Resp: 893
Ion Ratio Lower Upper
152 100
151 0.0 16.2 24.4#
153 0.0 11.0 16.6#



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: 8.225 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

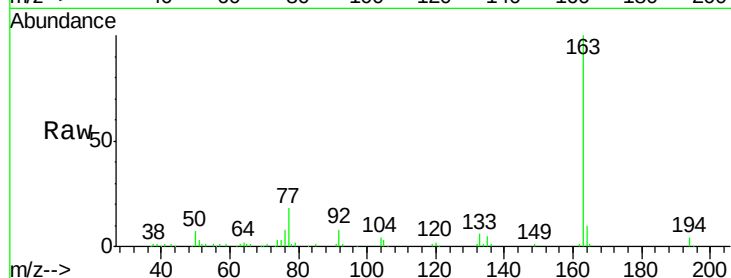
Tot Ion:163 Resp: 143609

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

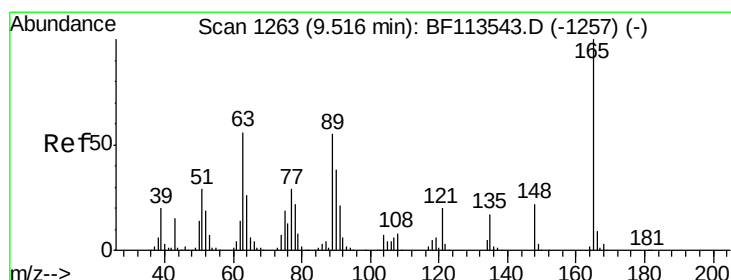
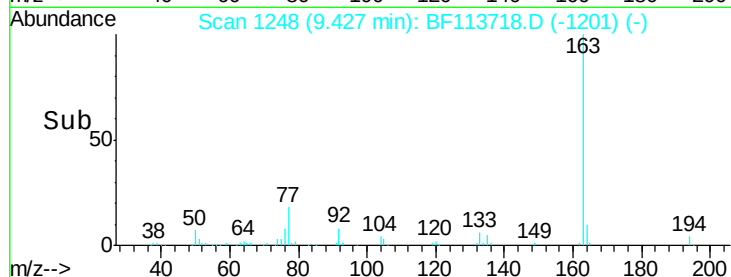
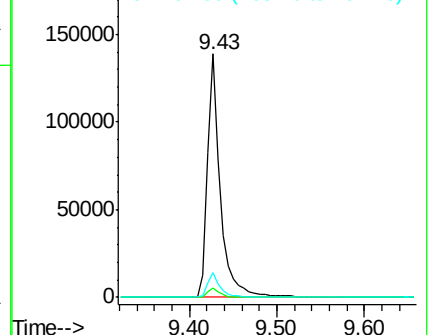
164 10.0 8.1 12.1



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: 0.388 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.09 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

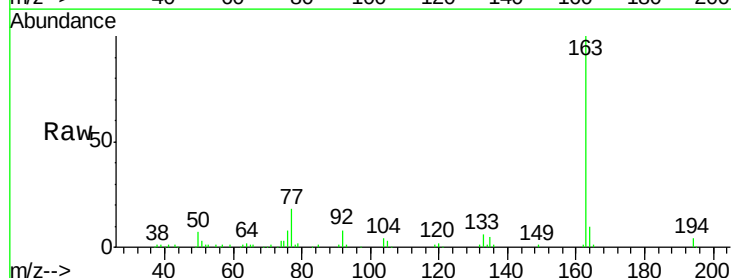
Tgt Ion:165 Resp: 1495

Ion Ratio Lower Upper

165 100

63 115.3 43.4 65.0#

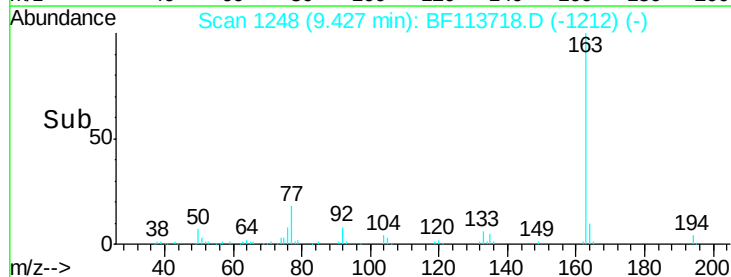
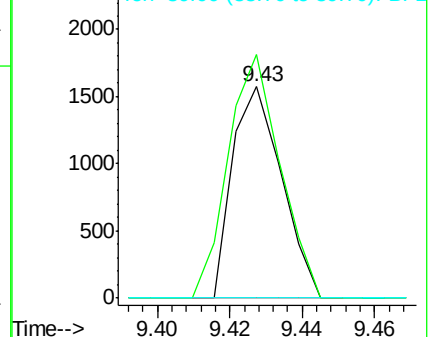
89 0.0 43.1 64.7#

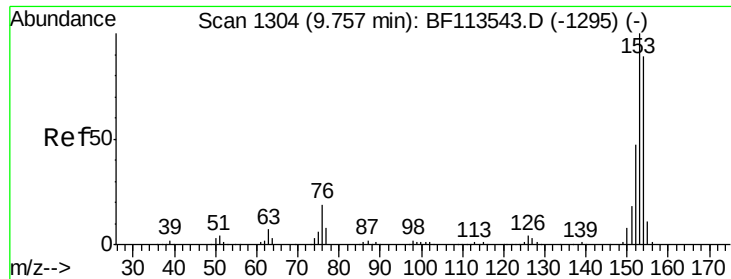


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.109 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampled :

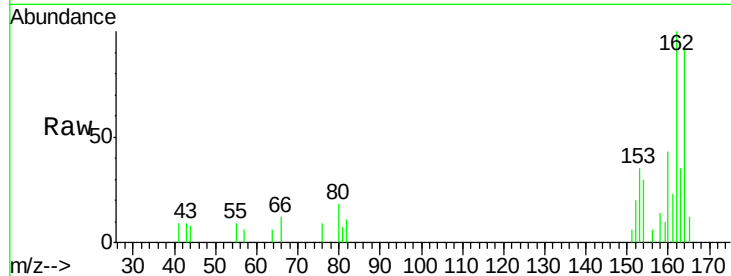
Tot Ion:154 Resp: 1504

Ion Ratio Lower Upper

154 100

153 116.8 89.5 134.3

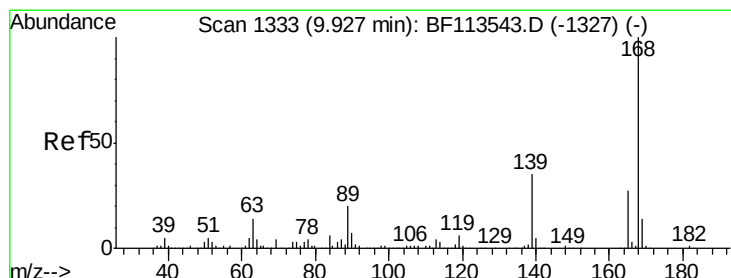
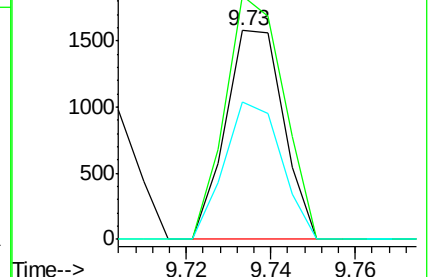
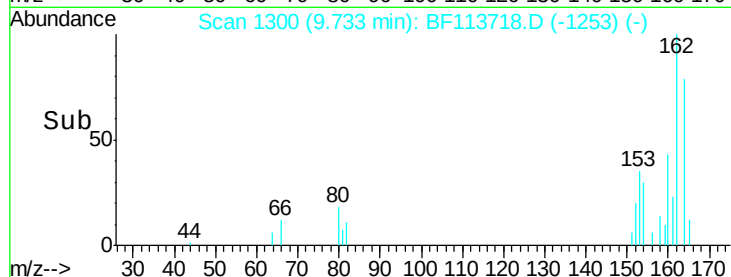
152 66.0 43.3 64.9#



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



#55

Dibenzofuran

Concen: 0.055 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

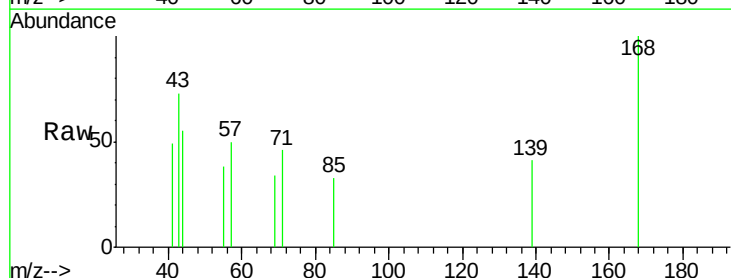
Tgt Ion:168 Resp: 1116

Ion Ratio Lower Upper

168 100

139 40.9 29.7 44.5

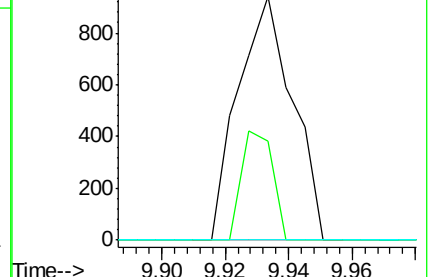
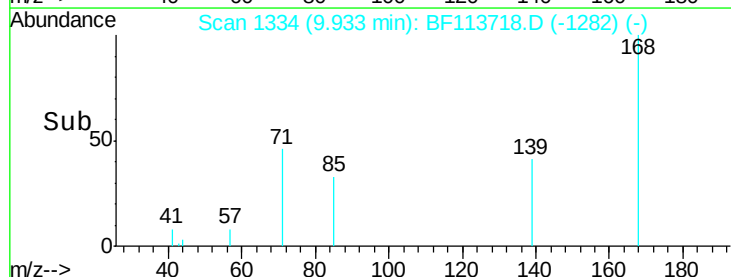
169 0.0 10.7 16.1#

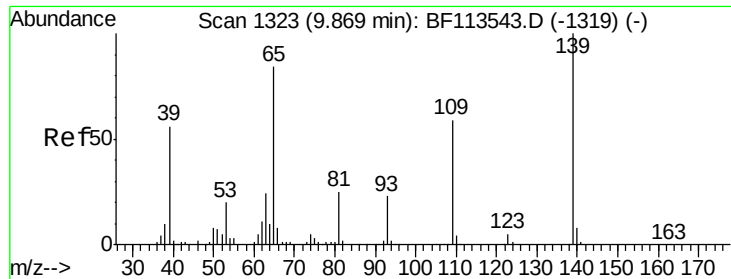


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 0.105 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.06 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

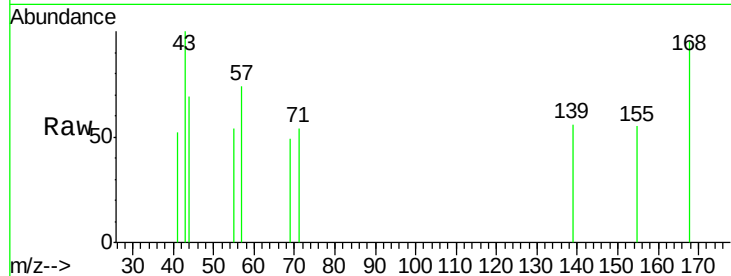
Tot Ion:139 Resp: 285

Ion Ratio Lower Upper

139 100

109 0.0 46.9 86.9#

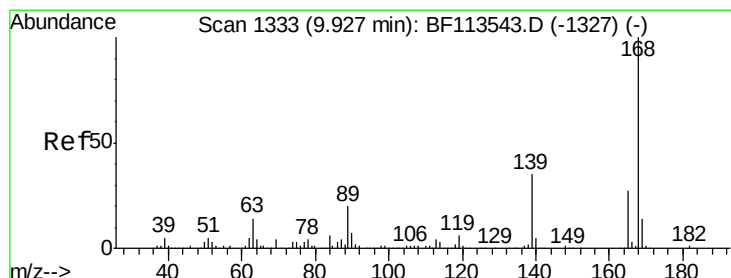
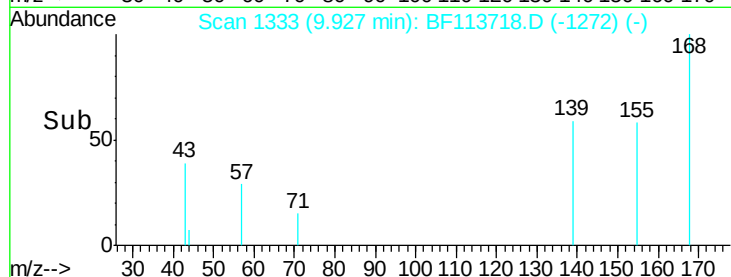
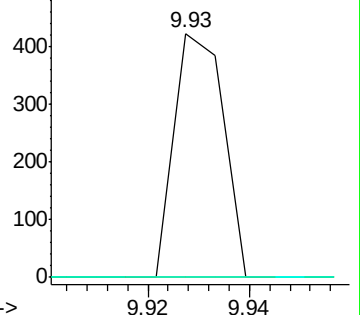
65 0.0 77.2 117.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.409 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.22 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Tgt Ion:165 Resp: 29832

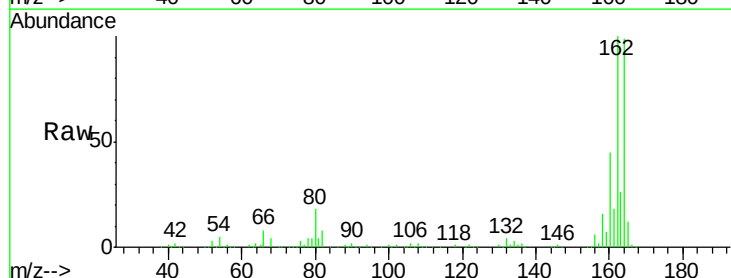
Ion Ratio Lower Upper

165 100

63 1.4 37.5 56.3#

89 1.2 57.4 86.2#

182 0.0 2.0 3.0#

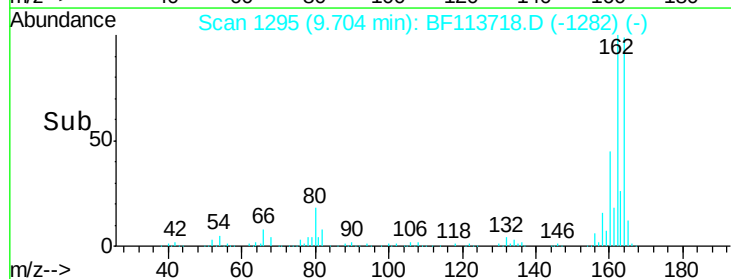
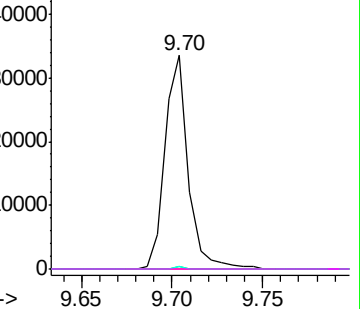


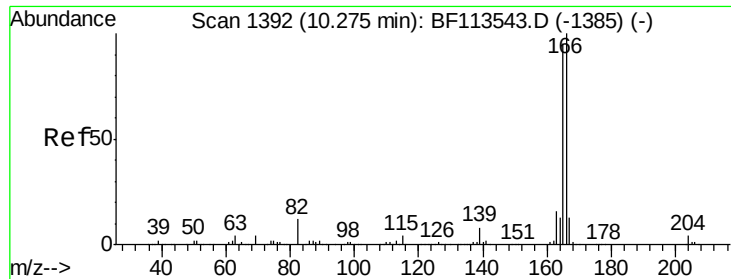
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.116 ng

RT: 10.26 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

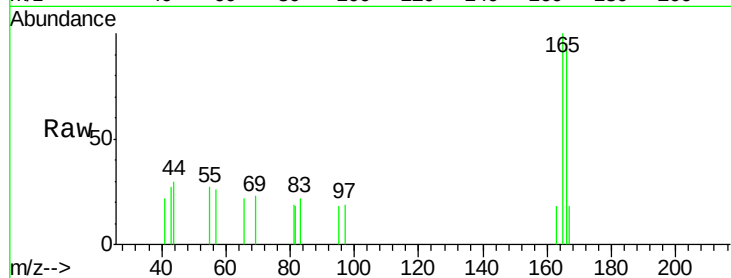
Tot Ion:166 Resp: 1861

Ion Ratio Lower Upper

166 100

165 105.2 76.2 114.2

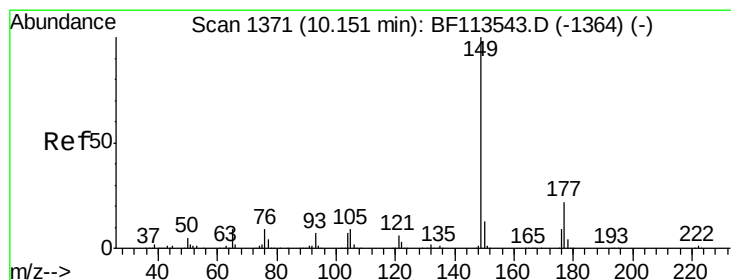
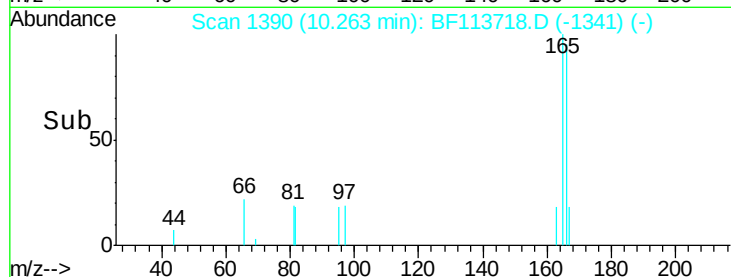
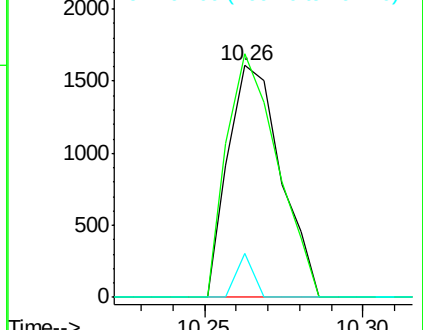
167 18.8 10.7 16.1#



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: 0.009 ng

RT: 10.13 min Scan# 1367

Delta R.T. -0.02 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

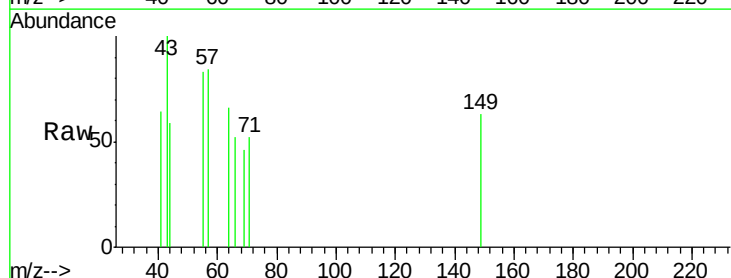
Tgt Ion:149 Resp: 157

Ion Ratio Lower Upper

149 100

177 0.0 17.4 26.0#

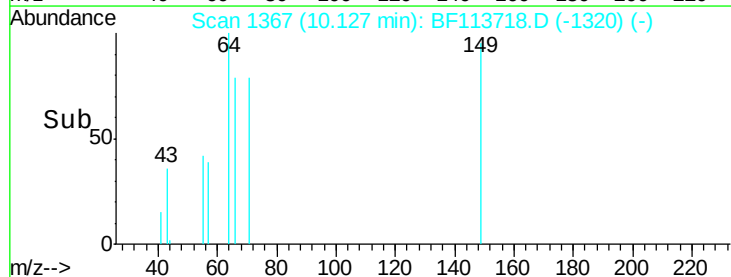
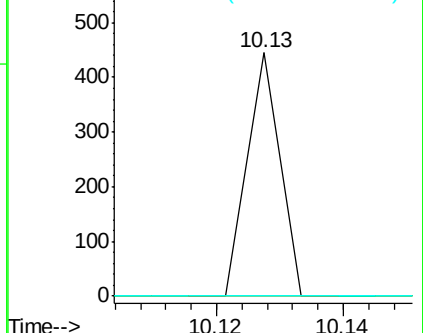
150 0.0 10.0 15.0#

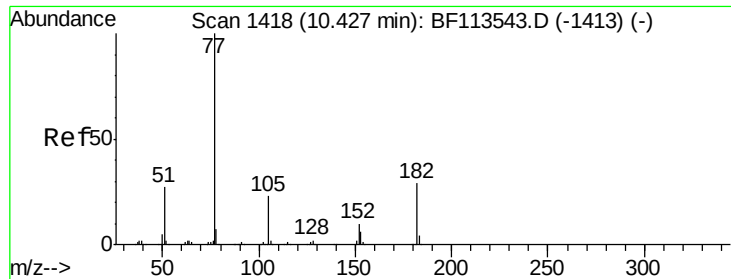


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.062 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.06 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 988

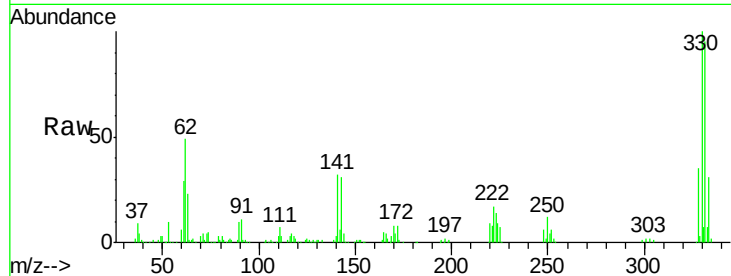
Ion Ratio Lower Upper

77 100

182 42.8 8.7 48.7

105 95.9 2.9 42.9#

51 94.9 8.8 48.8#

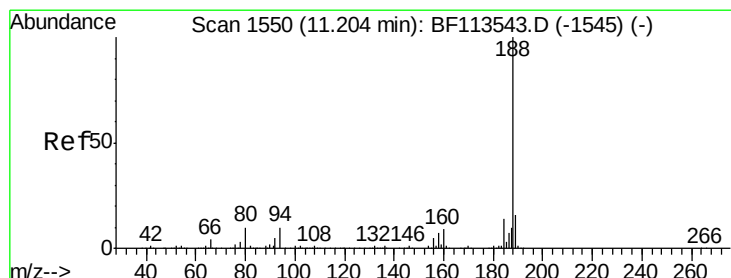
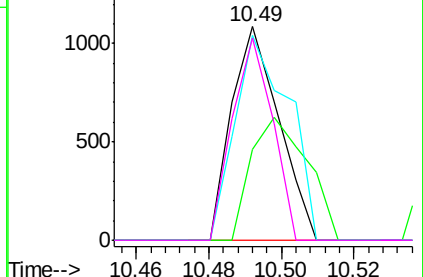
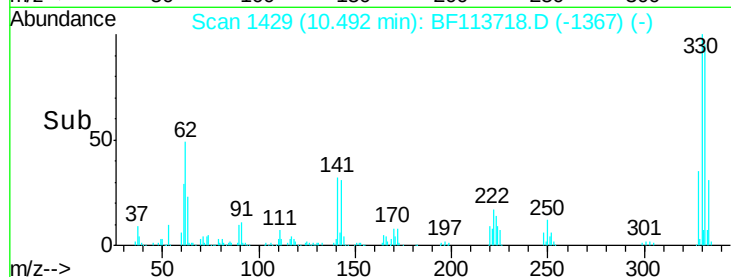


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

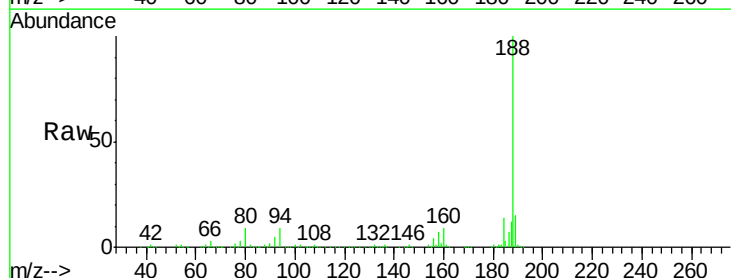
Tgt Ion: 188 Resp: 510278

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

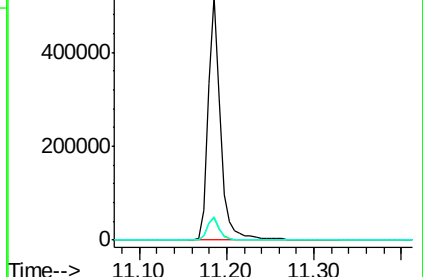
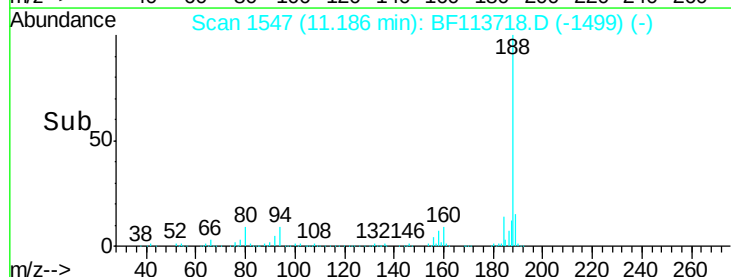
80 9.4 7.7 11.5

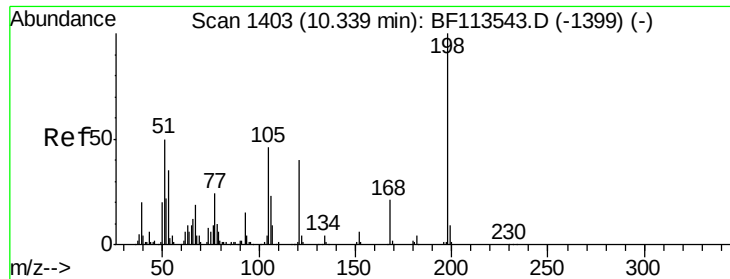


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

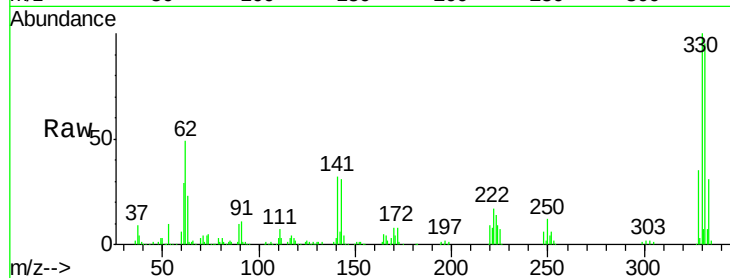




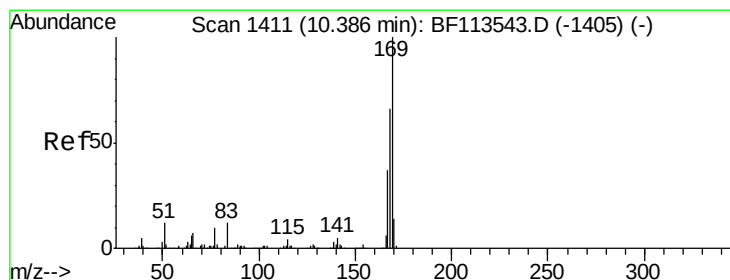
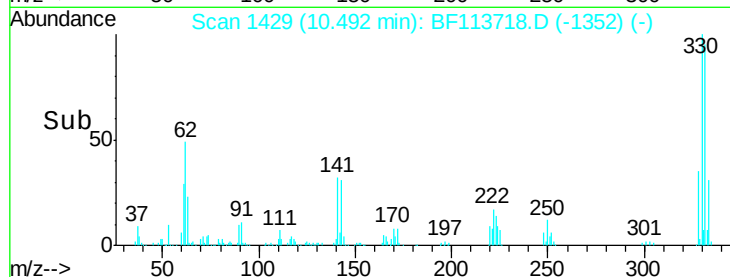
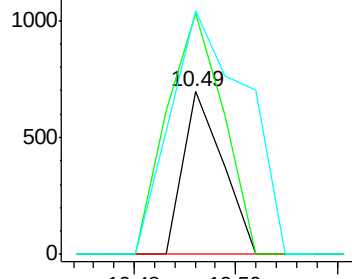
#65
4,6-Dinitro-2-methylphenol
Concen: 0.140 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.15 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 377
Ion Ratio Lower Upper
198 100
51 148.3 21.6 61.6#
105 149.8 20.6 60.6#

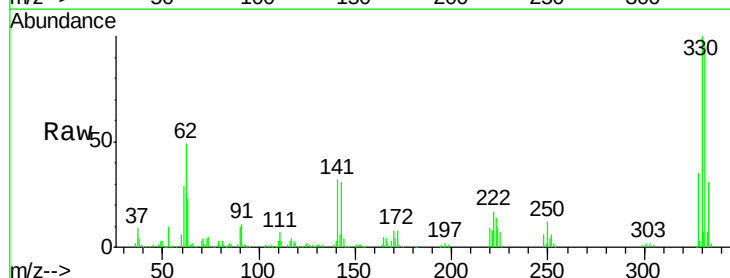


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

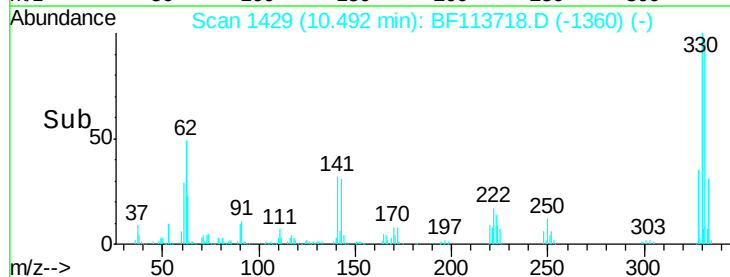
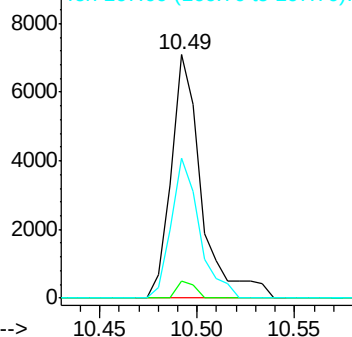


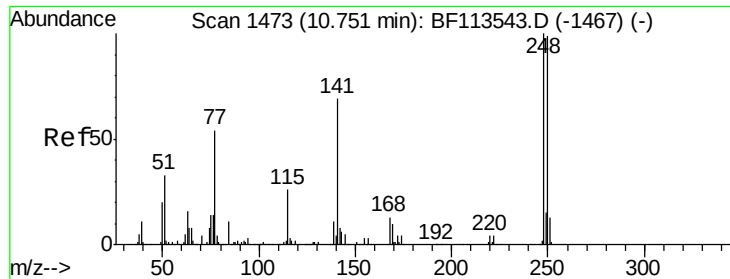
#66
n-Nitrosodiphenylamine
Concen: 0.487 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.11 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Tgt Ion:169 Resp: 7623
Ion Ratio Lower Upper
169 100
168 7.2 53.7 80.5#
167 64.9 29.5 44.3#



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

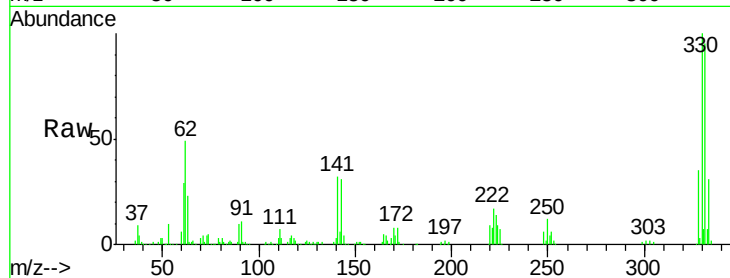




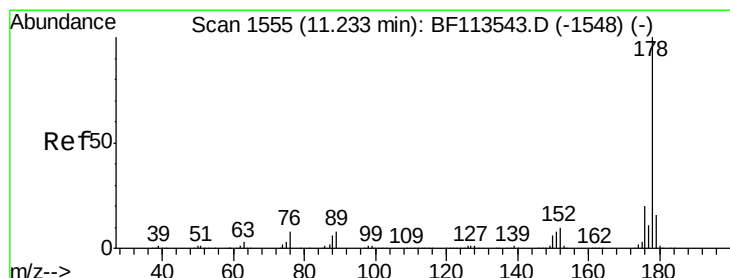
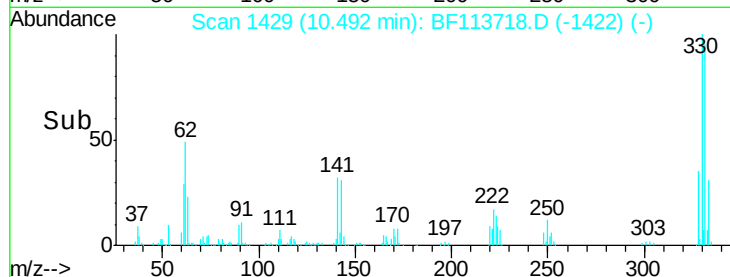
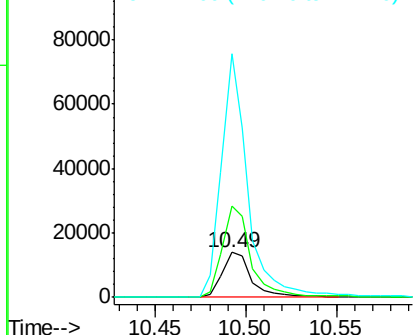
#67
 4-Bromophenyl-phenylether
 Concen: 2.721 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.26 min
 Lab File: BF113718.D
 Acq: 11 Apr 2019 14:12

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:248 Resp: 15573
 Ion Ratio Lower Upper
 248 100
 250 200.9 78.3 117.5#
 141 539.1 56.2 84.4#

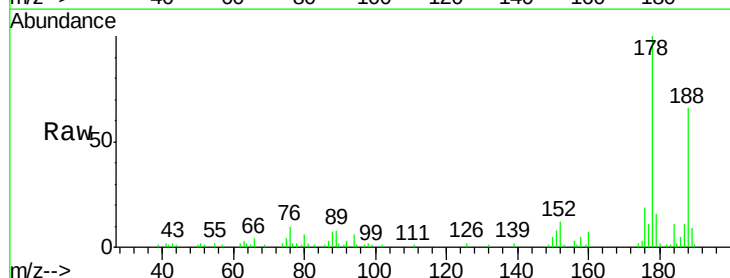


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

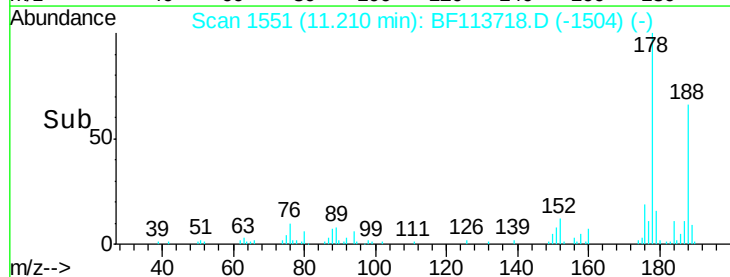
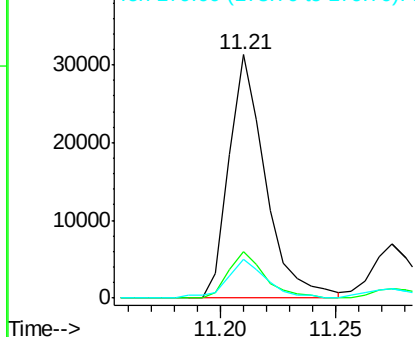


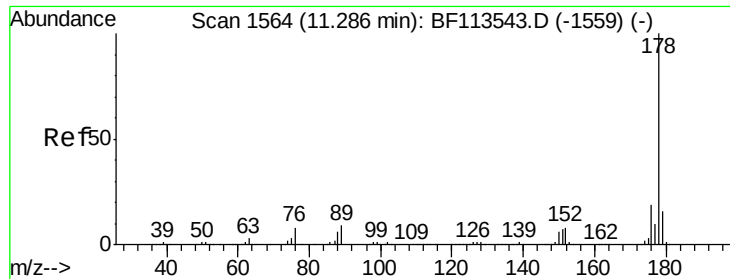
#71
 Phenanthrene
 Concen: 1.361 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF113718.D
 Acq: 11 Apr 2019 14:12

Tgt Ion:178 Resp: 34522
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.2
 179 15.9 12.7 19.1



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: 0.399 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

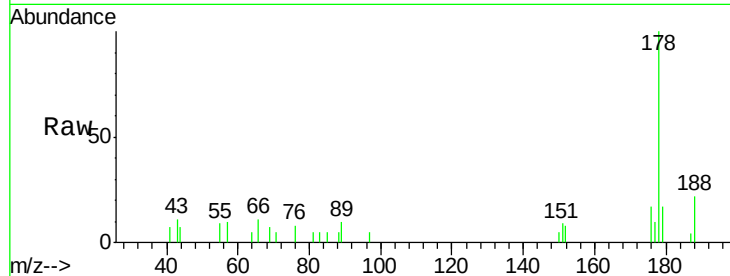
Tot Ion:178 Resp: 10300

Ion Ratio Lower Upper

178 100

176 16.7 15.4 23.2

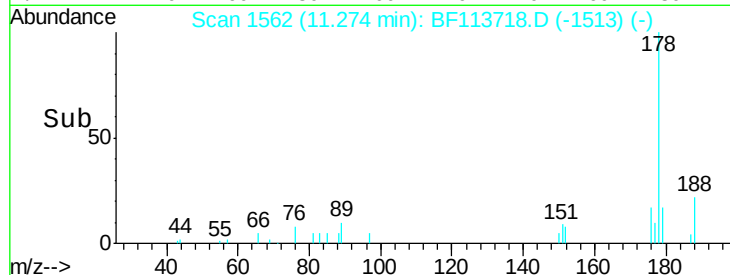
179 16.9 12.8 19.2



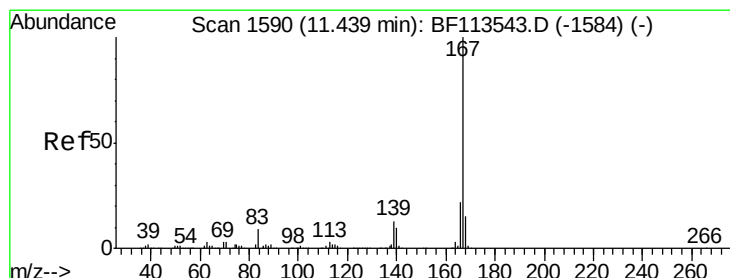
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#73

Carbazole

Concen: 0.116 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

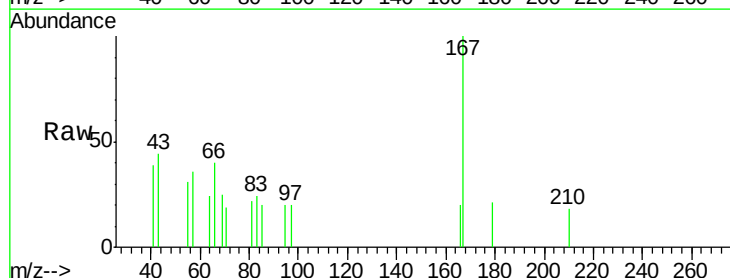
Tgt Ion:167 Resp: 2802

Ion Ratio Lower Upper

167 100

166 19.9 17.4 26.0

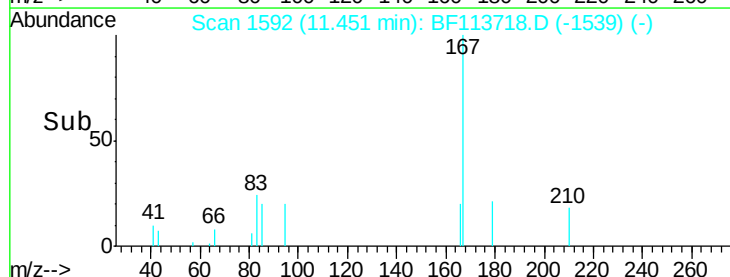
139 0.0 10.4 15.6#



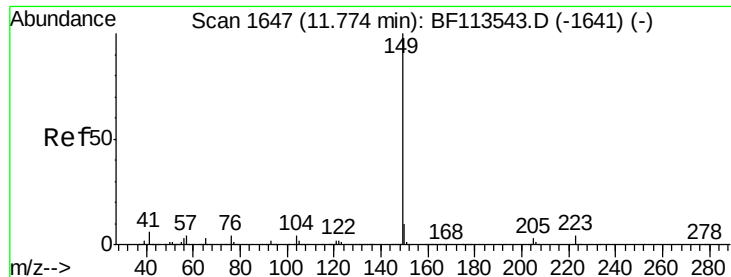
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Di-n-butylphthalate

Concen: 0.093 ng

RT: 11.75 min Scan# 1643

Delta R.T. -0.02 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

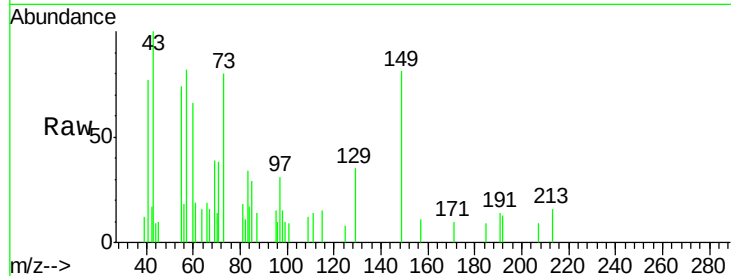
Tot Ion:149 Resp: 2682

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

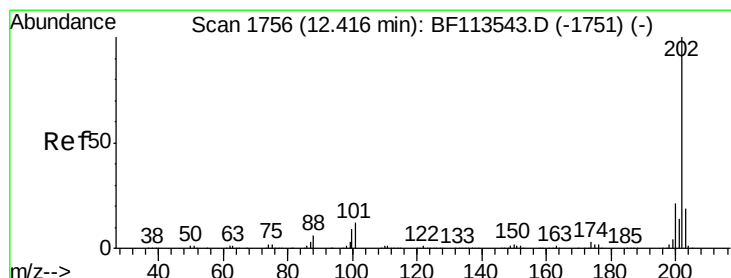
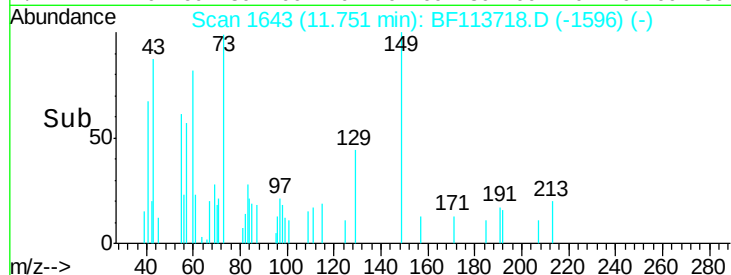
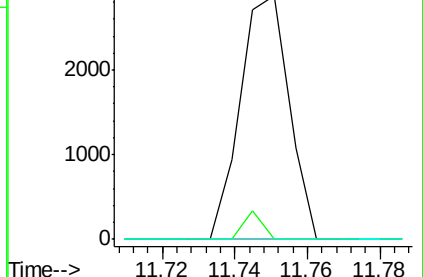
104 0.0 3.7 5.5#



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: 2.660 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

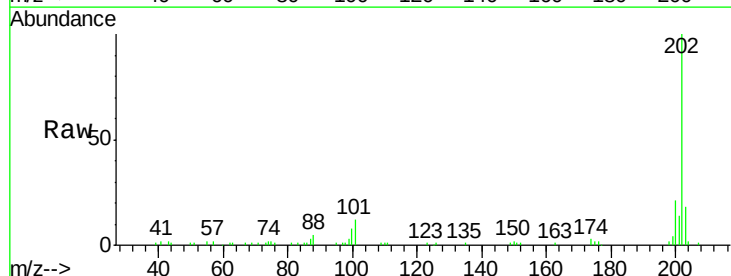
Tgt Ion:202 Resp: 72283

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.4

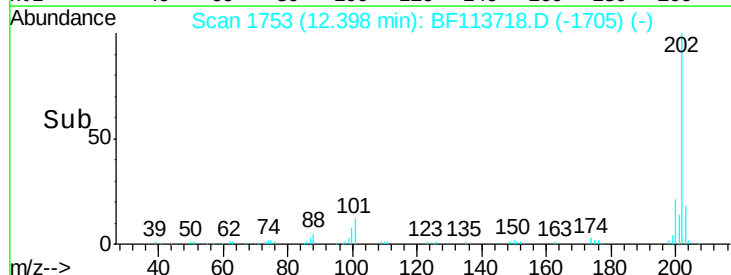
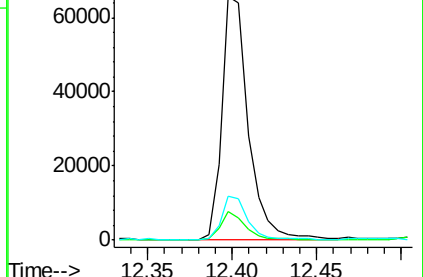
203 17.9 0.0 38.0

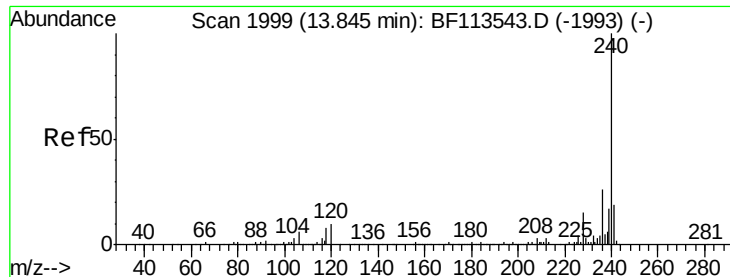


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

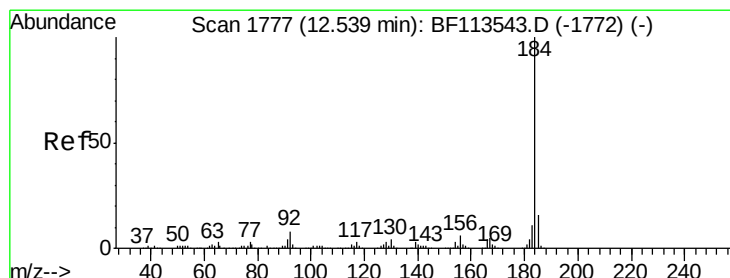
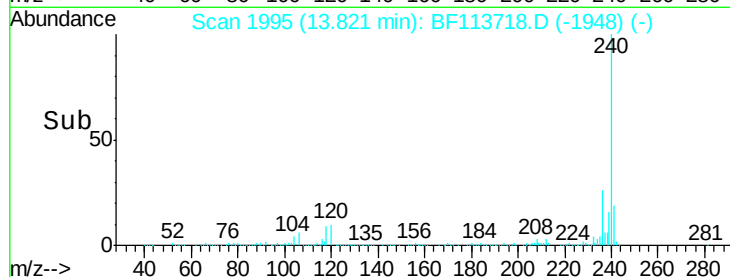
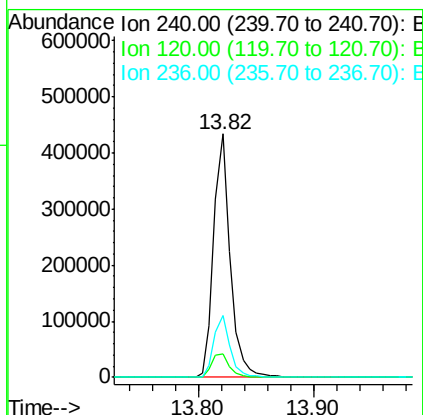
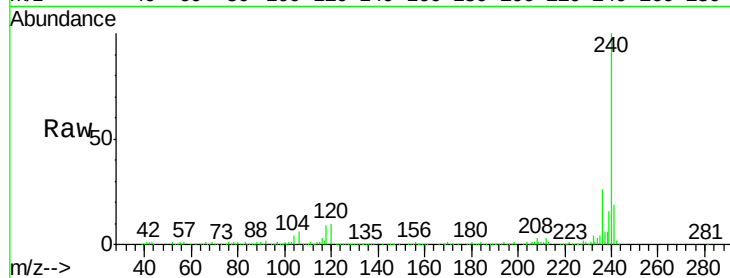
Tot Ion:240 Resp: 434284

Ion Ratio Lower Upper

240 100

120 9.7 8.8 13.2

236 25.6 20.9 31.3



#77

Benzidine

Concen: 0.906 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.23 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

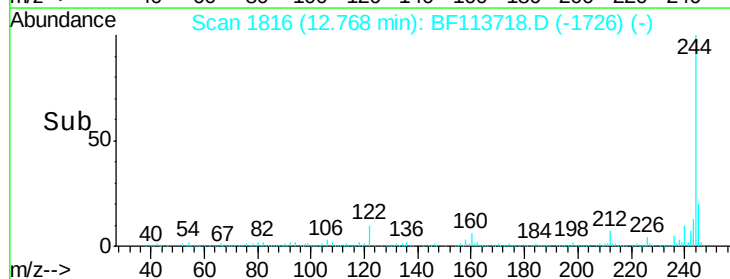
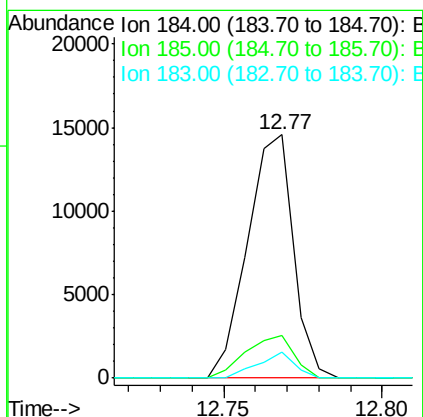
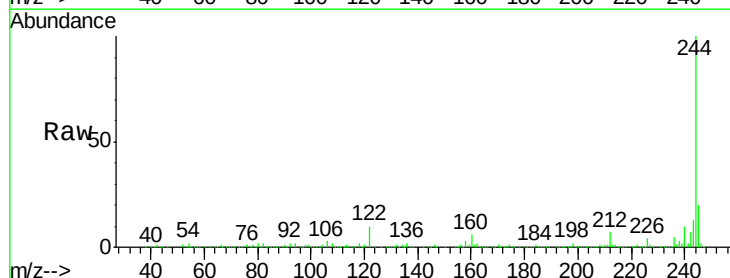
Tgt Ion:184 Resp: 14628

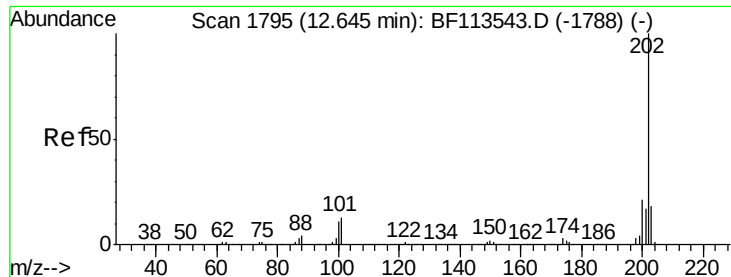
Ion Ratio Lower Upper

184 100

185 17.6 13.0 19.6

183 10.9 9.0 13.4

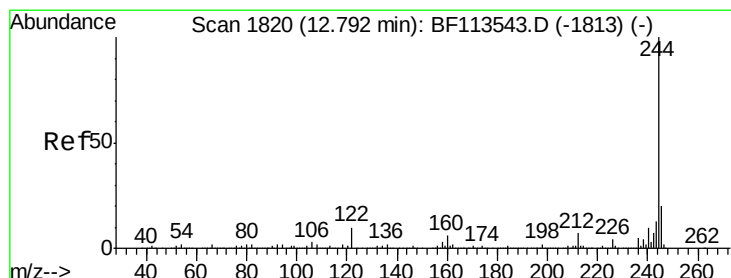
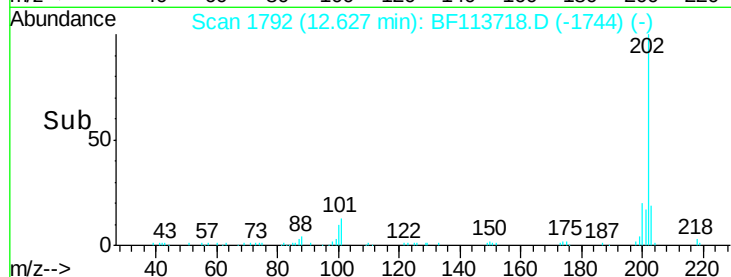
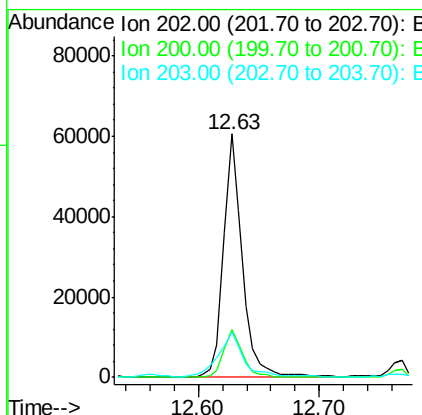
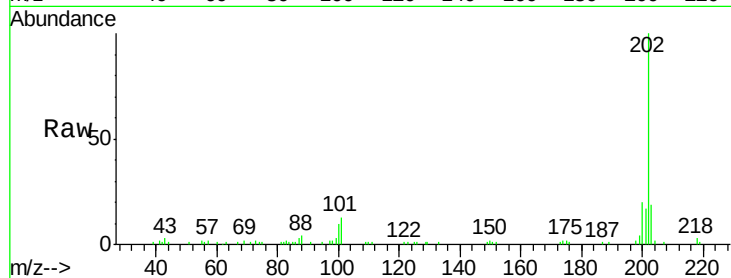




#78
 Pvrene
 Concen: 1.985 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.02 min
 Lab File: BF113718.D
 Acq: 11 Apr 2019 14:12

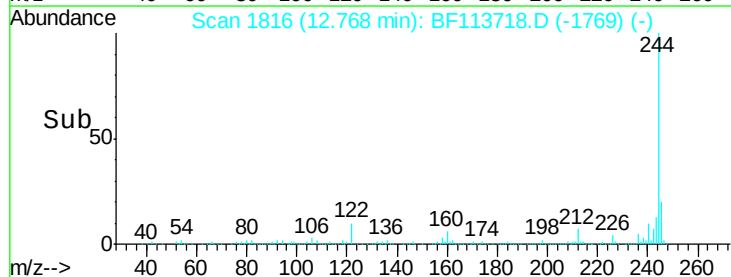
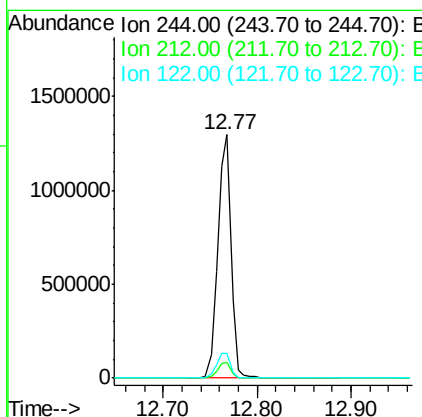
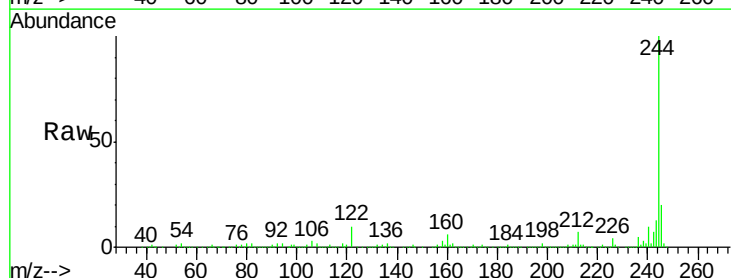
Instrument :
 BNA_F
 ClientSampleId :

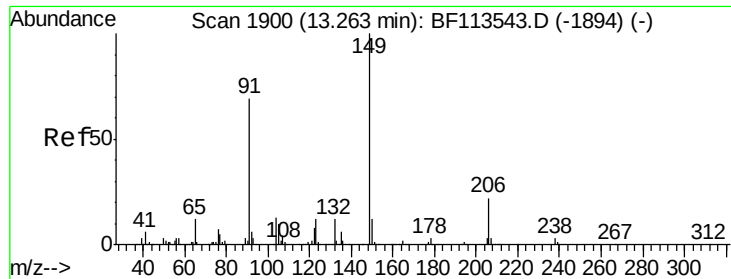
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.8	25.2
203	18.7	14.4	21.6



#79
 Terphenyl-d14
 Concen: 60.195 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.02 min
 Lab File: BF113718.D
 Acq: 11 Apr 2019 14:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	10.2	8.6	13.0

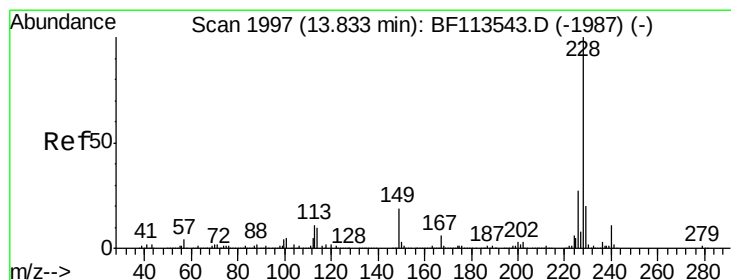
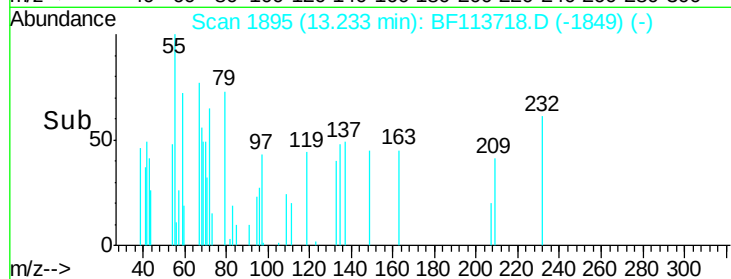
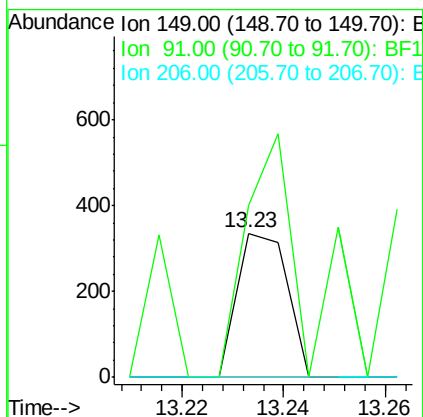
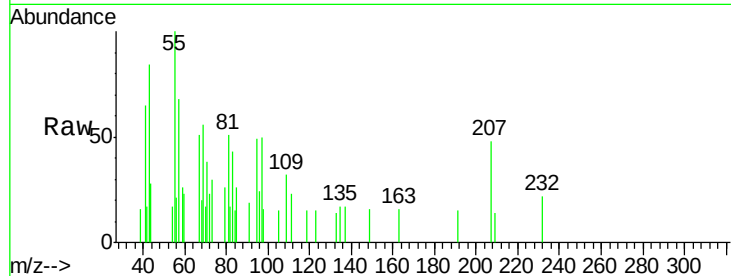




#80
Butylbenzylphthalate
Concen: 0.017 ng
RT: 13.23 min Scan# 1895
Delta R.T. -0.03 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

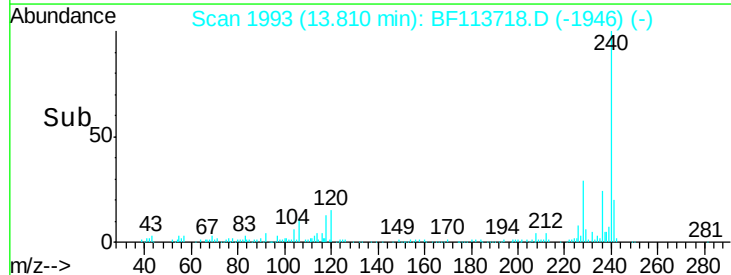
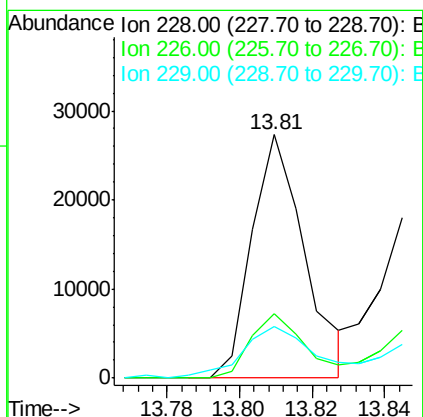
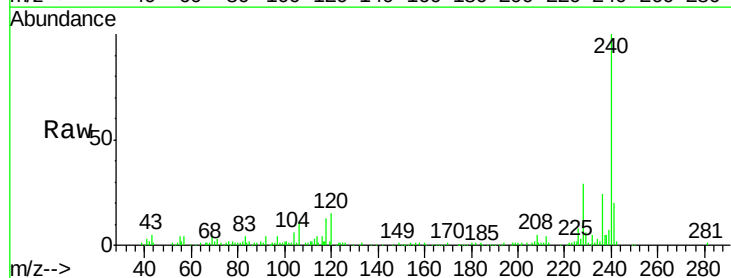
Instrument :
BNA_F
ClientSampleId :

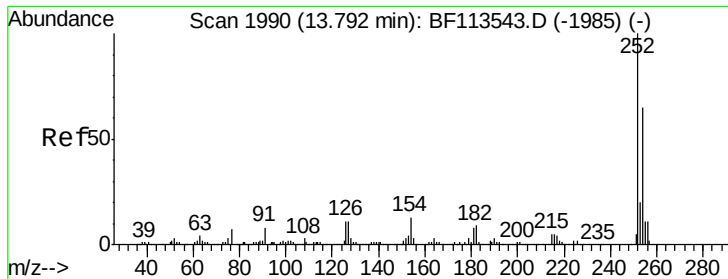
Tot Ion:149 Resp: 230
Ion Ratio Lower Upper
149 100
91 119.6 55.2 82.8#
206 0.0 16.1 24.1#



#81
Benzo(a)anthracene
Concen: 1.105 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Tgt Ion:228 Resp: 27689
Ion Ratio Lower Upper
228 100
226 26.6 21.8 32.8
229 21.1 16.2 24.4





#82

3,3'-Dichlorobenzidine

Concen: 0.011 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.15 min

Lab File: BF113718.D

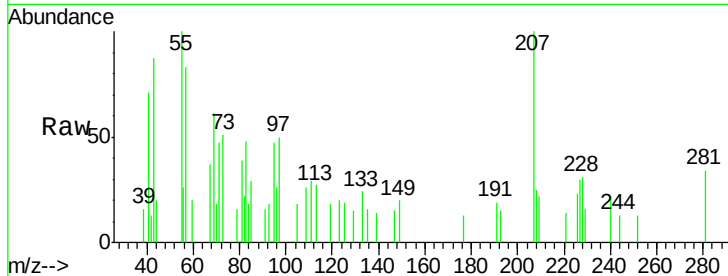
Acq: 11 Apr 2019 14:12

Instrument :

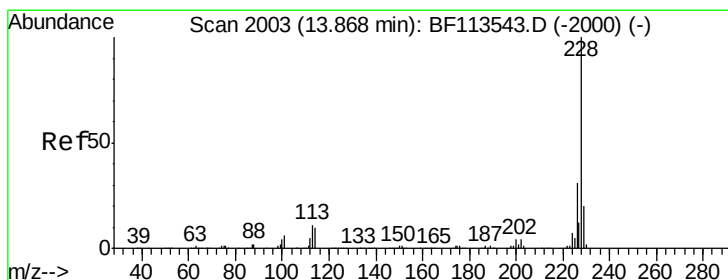
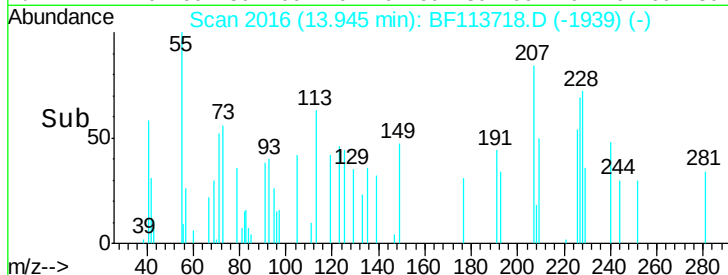
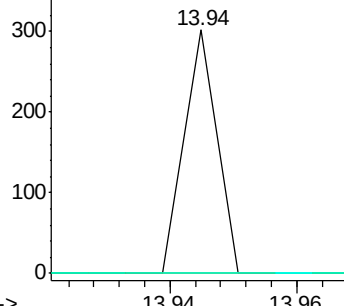
BNA_F

ClientSampled :

Tot Ion:	252	Resp:	107
Ion	Ratio	Lower	Upper
252	100		
254	0.0	52.2	78.2#
126	0.0	8.5	12.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 0.979 ng

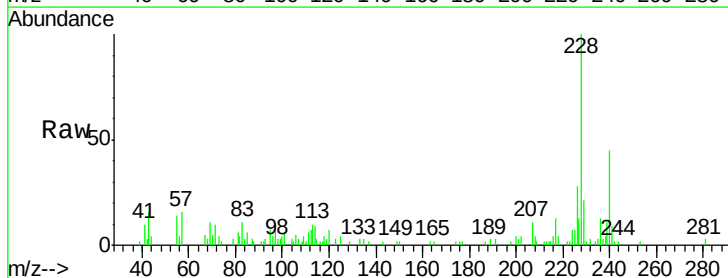
RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

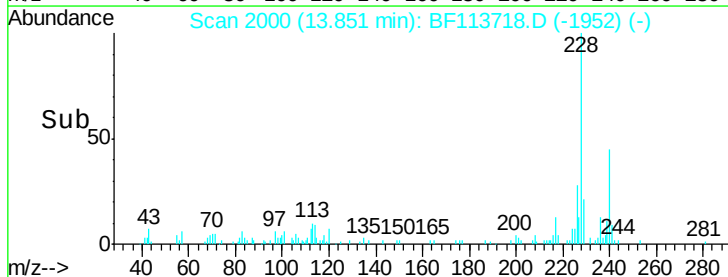
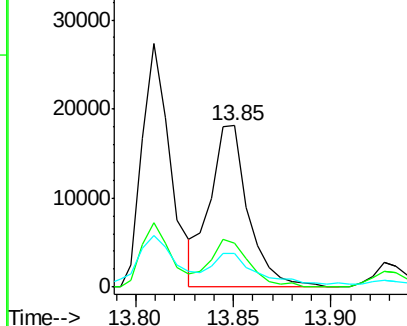
Lab File: BF113718.D

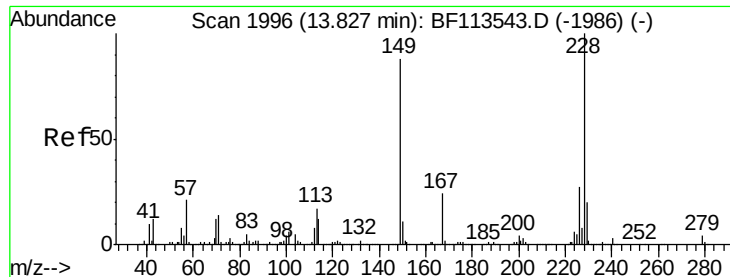
Acq: 11 Apr 2019 14:12

Tgt Ion:	228	Resp:	24863
Ion	Ratio	Lower	Upper
228	100		
226	27.6	24.3	36.5
229	20.9	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





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.437 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.03 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

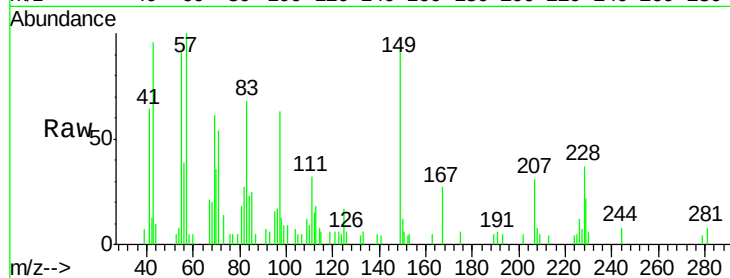
Tot Ion:149 Resp: 7112

Ion Ratio Lower Upper

149 100

167 28.8 21.8 32.8

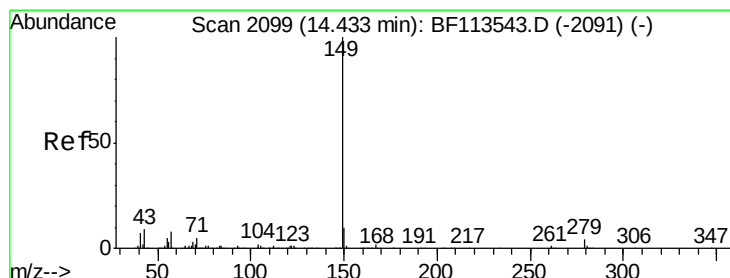
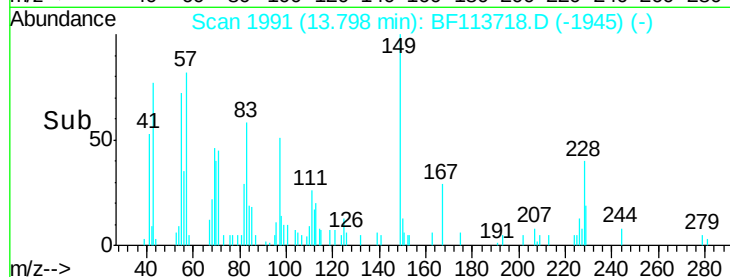
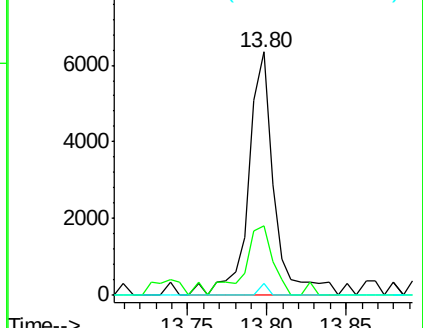
279 4.8 2.9 4.3#



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: 0.025 ng

RT: 14.40 min Scan# 2094

Delta R.T. -0.03 min

Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

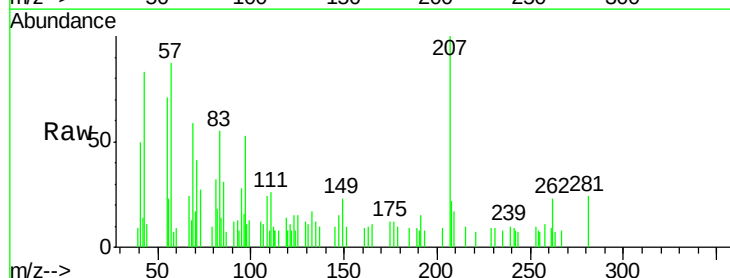
Tgt Ion:149 Resp: 661

Ion Ratio Lower Upper

149 100

167 35.1 1.3 1.9#

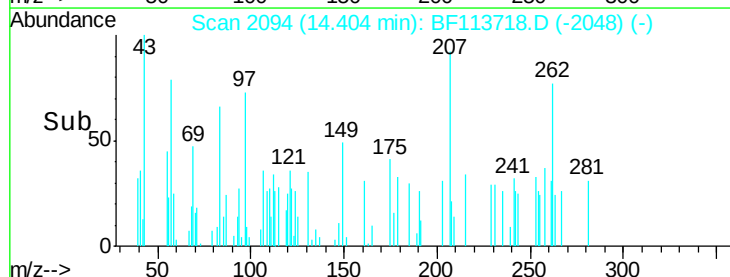
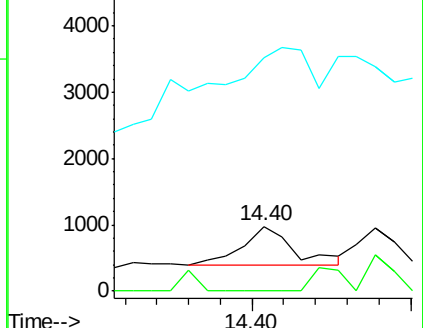
43 538.7 7.7 11.5#

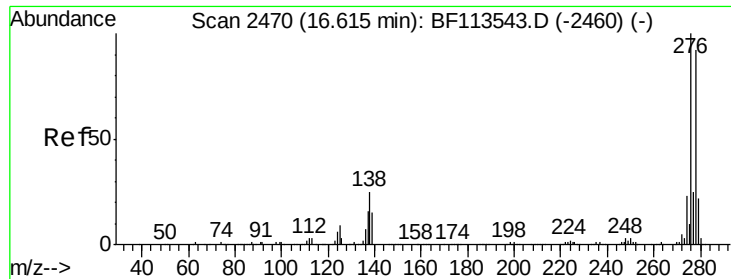


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

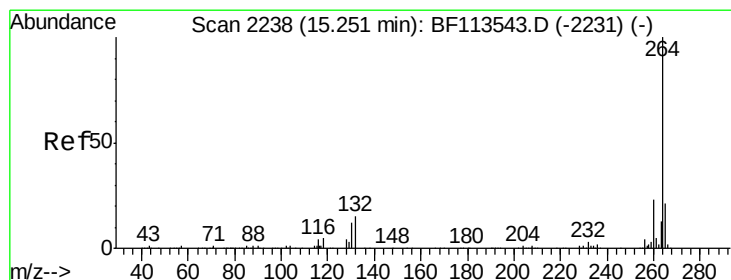
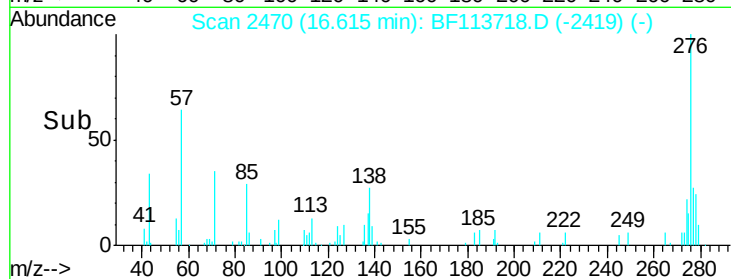
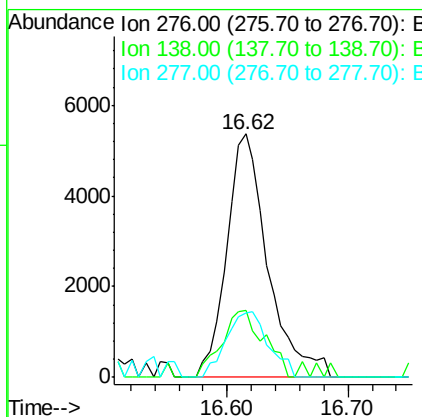
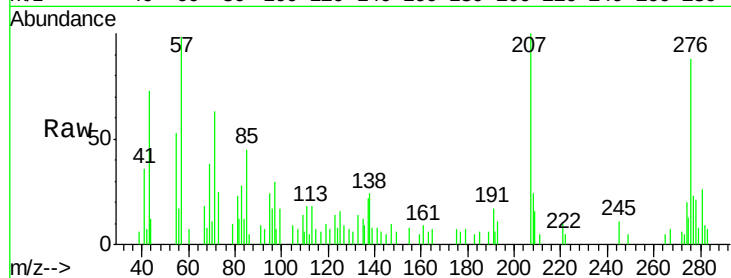




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.541 ng
 RT: 16.62 min Scan# 2470
 Delta R.T. -0.00 min
 Lab File: BF113718.D
 Acq: 11 Apr 2019 14:12

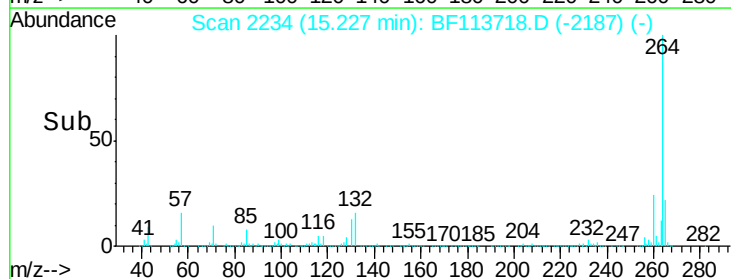
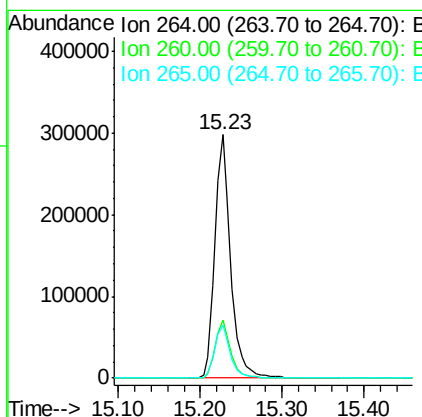
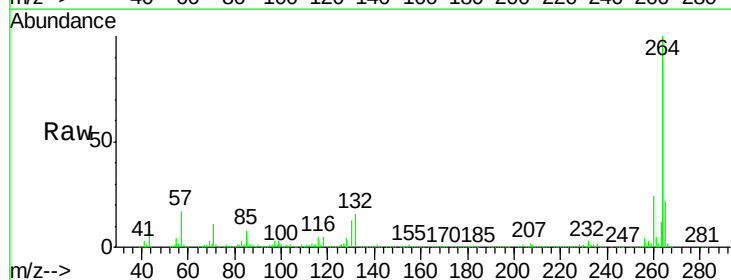
Instrument :
 BNA_F
 ClientSampleId :

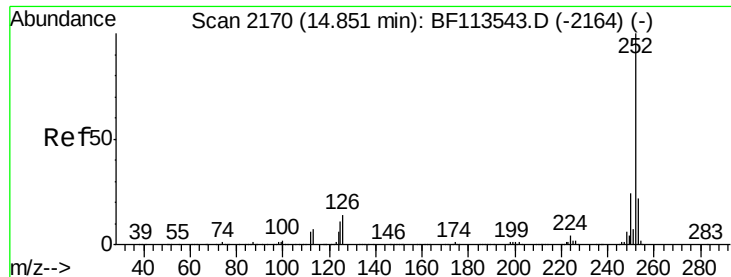
Tot Ion:276 Resp: 12678
 Ion Ratio Lower Upper
 276 100
 138 28.5 18.1 27.1#
 277 27.7 20.2 30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF113718.D
 Acq: 11 Apr 2019 14:12

Tgt Ion:264 Resp: 402302
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.1 28.7
 265 21.8 17.1 25.7

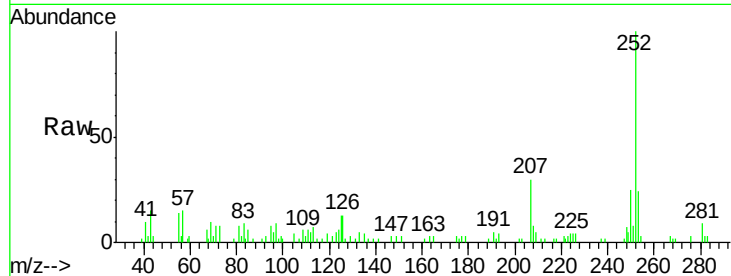




#88
Benzo(b)fluoranthene
Concen: 1.454 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	13.1	7.6	11.4

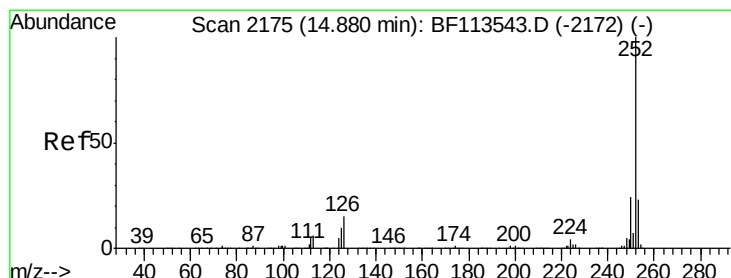
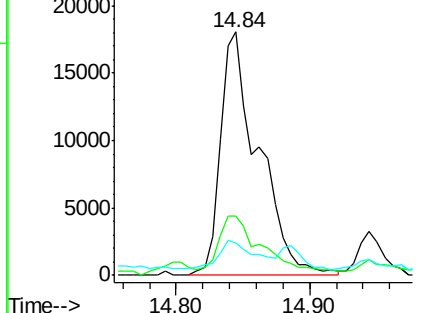
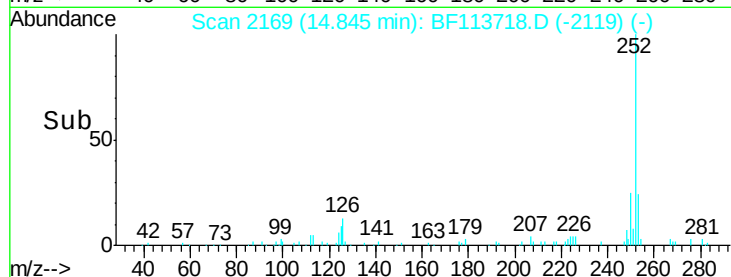


Abundance

Ion 252.00 (251.70 to 252.70): E

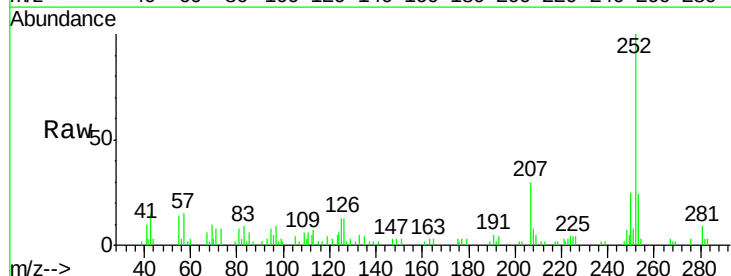
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 1.620 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	13.1	7.3	10.9

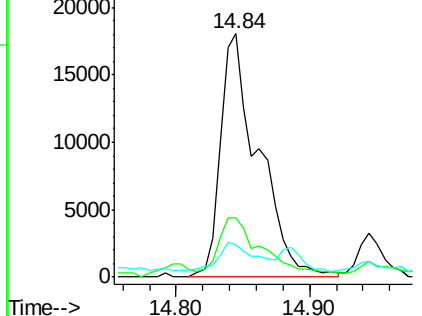
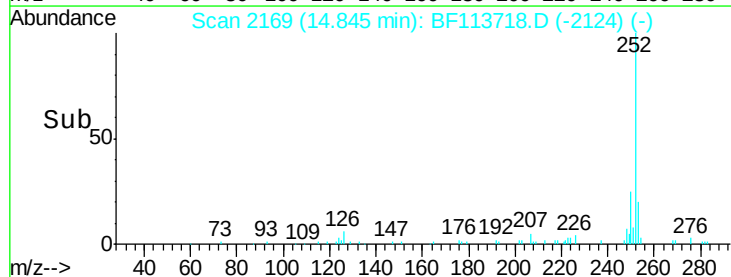


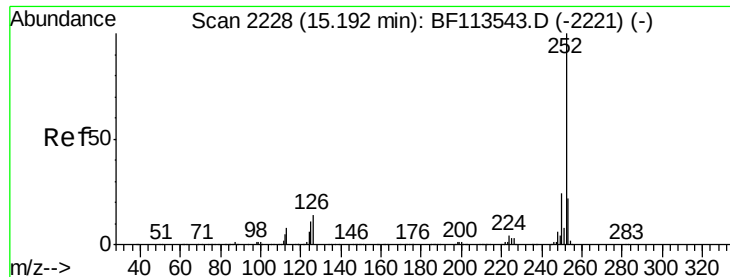
Abundance

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

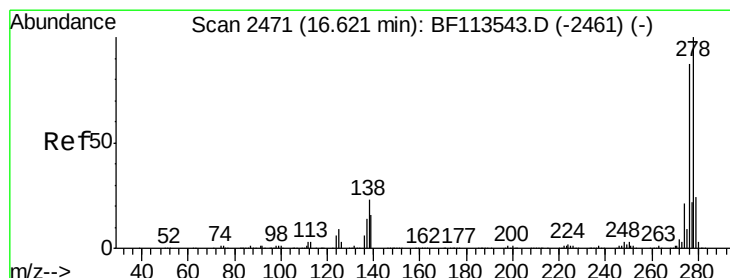
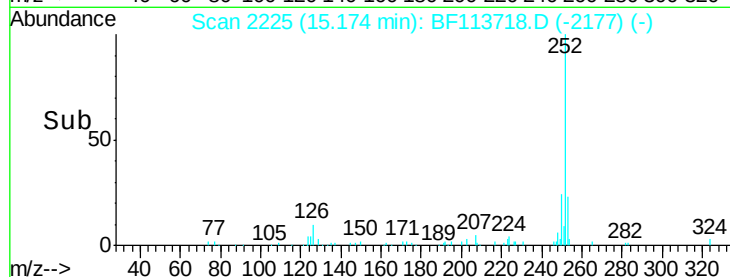
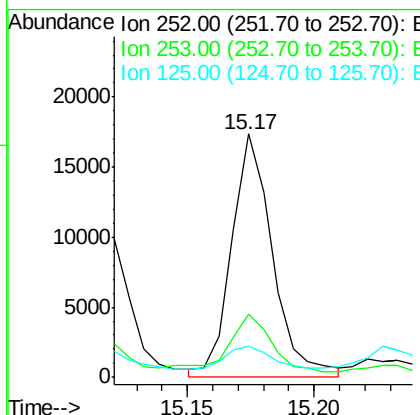
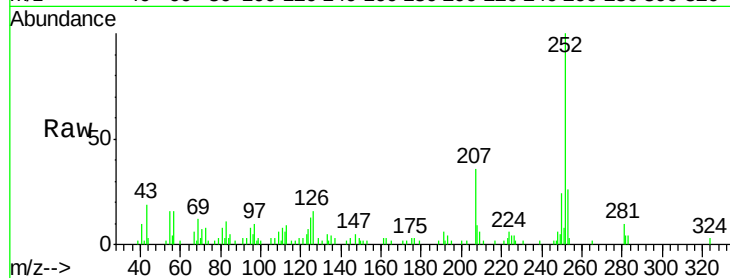




#90
Benzo(a)pyrene
Concen: 0.892 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

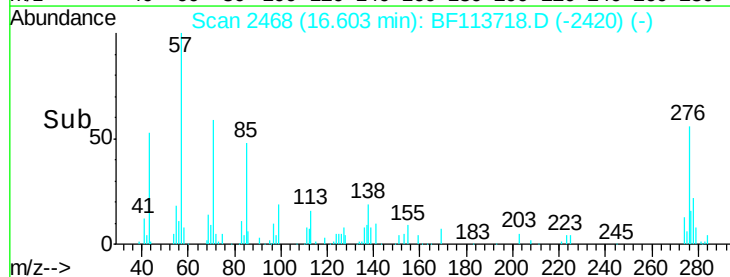
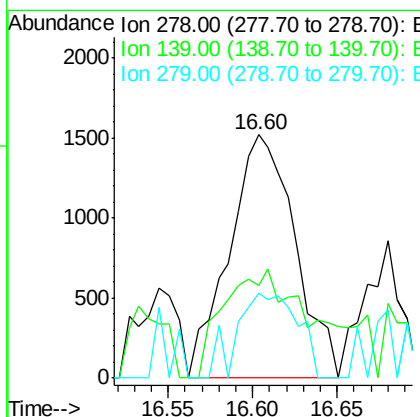
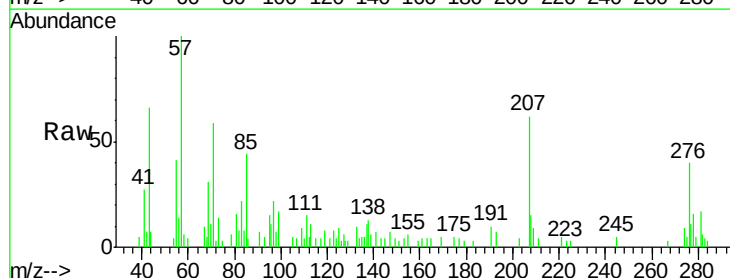
Instrument :
BNA_F
ClientSampleId :

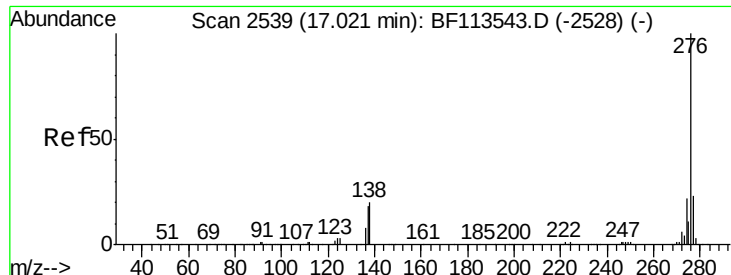
Tot Ion:252 Resp: 19513
Ion Ratio Lower Upper
252 100
253 25.7 17.9 26.9
125 13.0 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 0.201 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.02 min
Lab File: BF113718.D
Acq: 11 Apr 2019 14:12

Tgt Ion:278 Resp: 4107
Ion Ratio Lower Upper
278 100
139 38.1 12.0 18.0#
279 34.8 19.0 28.6#





#92

Benzo(a,h,i)perylene

Concen: 0.592 ng

RT: 17.02 min Scan# 2539

Delta R.T. -0.00 min

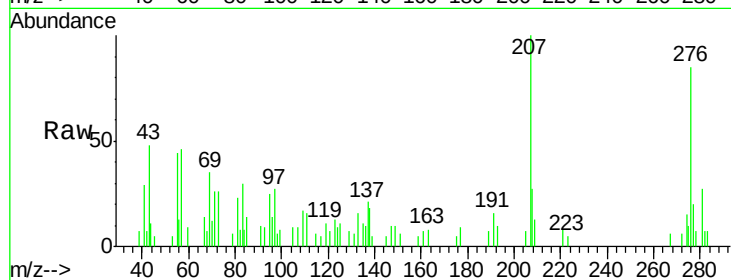
Lab File: BF113718.D

Acq: 11 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :



Tot Ion: 276 Resp: 12369

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 27.5 15.6 23.4

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

