

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
 Data File : BF113970.D
 Acq On : 24 Apr 2019 19:07
 Operator : JU/SJ
 Sample : K2539-01 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 01:26:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	130319	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	505211	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	248609	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	425141	20.00	ng	0.00
76) Chrysene-d12	14.06	240	352424	20.00	ng	-0.01
87) Perylene-d12	15.55	264	378428	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	8385	1.10	ng	0.00
7) Phenol-d6	6.51	99	76352	7.99	ng	-0.01
23) Nitrobenzene-d5	7.45	82	52876	6.46	ng	-0.01
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	9.25	172	119626	7.53	ng	0.00
79) Terphenyl-d14	12.99	244	109538	6.37	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	168	Below Cal		# 88
10) Phenol	6.52	94	999	0.087	ng	# 19
15) Benzyl Alcohol	7.05	79	875	0.136	ng	# 14
18) Hexachloroethane	7.46	117	268	0.077	ng	# 1
19) n-Nitroso-di-n-propylamine	7.45	70	6813	1.101	ng	# 75
22) Acetophenone	7.29	105	551	0.049	ng	# 58
25) Isophorone	7.45	82	52875	3.158	ng	# 65
31) Naphthalene	8.20	128	3860	0.161	ng	# 93
33) 4-Chloroaniline	8.20	127	405	0.040	ng	# 34
36) 4-Chloro-3-methylphenol	8.74	107	119	0.016	ng	# 19
37) 2-Methylnaphthalene	8.89	142	3088	0.191	ng	# 95
38) 1-Methylnaphthalene	8.99	142	2565	0.164	ng	# 94
46) 1,1'-Biphenyl	9.35	154	763	0.040	ng	# 77
49) Acenaphthylene	9.79	152	2711	0.112	ng	# 94
50) Dimethylphthalate	9.64	163	12922	0.719	ng	# 99
51) 2,6-Dinitrotoluene	9.93	165	32320	8.379	ng	# 33
52) Acenaphthene	9.96	154	3050	0.213	ng	# 94
55) Dibenzofuran	10.13	168	2972	0.139	ng	# 76
56) 4-Nitrophenol	10.13	139	1169	0.364	ng	# 12
57) 2,4-Dinitrotoluene	9.93	165	32320	6.638	ng	# 29
58) Fluorene	10.48	166	5048	0.313	ng	# 95
63) Azobenzene	10.63	77	479	0.029	ng	# 1
66) n-Nitrosodiphenylamine	10.59	169	1432	0.112	ng	# 76
71) Phenanthrene	11.44	178	53060	2.483	ng	# 97
72) Anthracene	11.44	178	53060	2.459	ng	# 97
73) Carbazole	11.64	167	5243	0.272	ng	# 94
74) Di-n-butylphthalate	11.97	149	2486	0.110	ng	# 85
75) Fluoranthene	12.63	202	68749	2.949	ng	# 96
77) Benzdine	12.74	184	109	0.010	ng	# 1
78) Pyrene	12.86	202	61993	2.515	ng	# 99
80) Butylbenzylphthalate	13.47	149	435	0.045	ng	# 48
81) Benzo(a)anthracene	14.04	228	33371	1.607	ng	# 92
82) 3,3'-Dichlorobenzidine	14.02	252	471	0.062	ng	# 53
83) Chrysene	14.04	228	33371	1.650	ng	# 96

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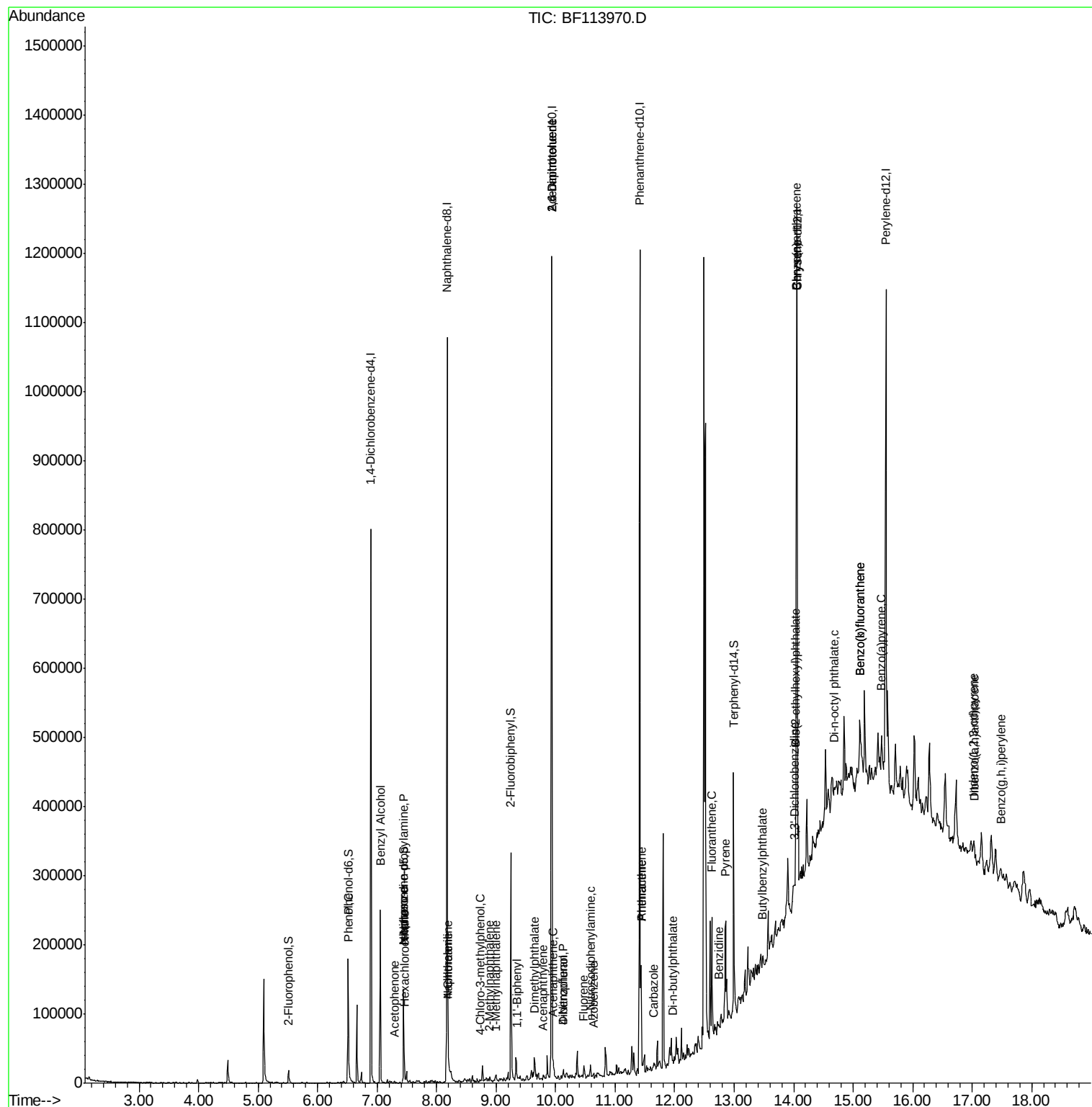
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Bis(2-ethylhexyl)phthalate	14.03	149	4185	0.339	ng	# 83
85) Di-n-octyl phthalate	14.69	149	1377	0.071	ng	# 71
86) Indeno(1,2,3-cd)pyrene	17.03	276	12948	0.676	ng	# 91
88) Benzo(b)fluoranthene	15.11	252	52529	2.194	ng	# 77
89) Benzo(k)fluoranthene	15.11	252	52529	2.551	ng	# 78
90) Benzo(a)pyrene	15.48	252	28202	1.362	ng	# 82
91) Dibenzo(a,h)anthracene	17.04	278	3831	0.197	ng	# 1
92) Benzo(a,h,i)perylene	17.48	276	12612	0.643	ng	# 73

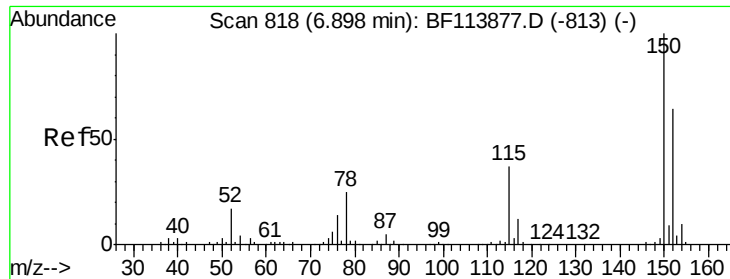
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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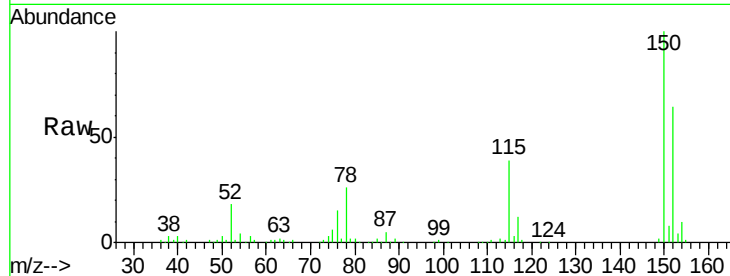


#1

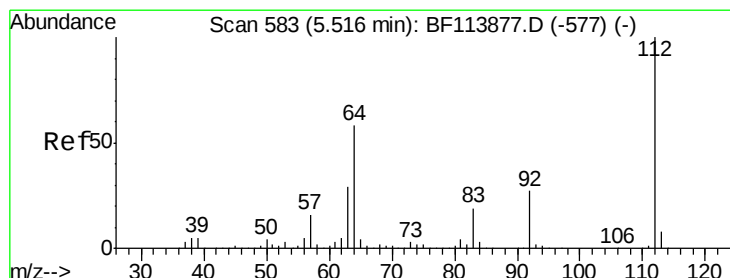
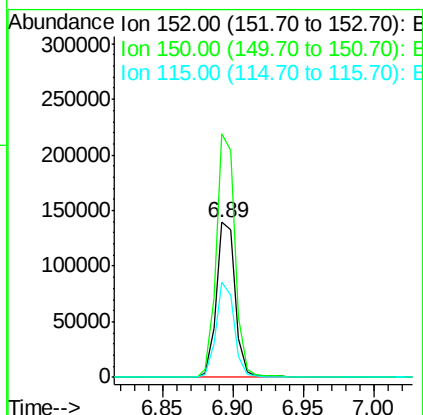
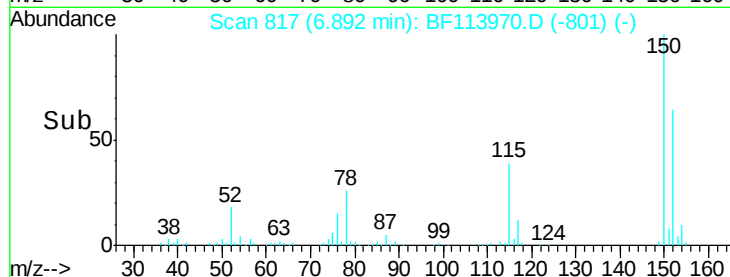
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.9	188.9
115	61.5	45.9	68.9



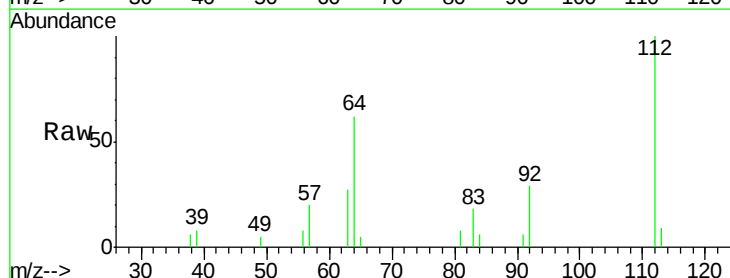
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



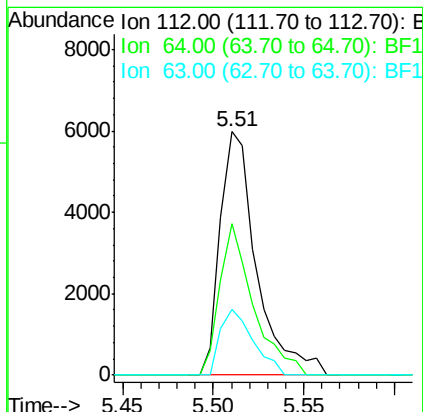
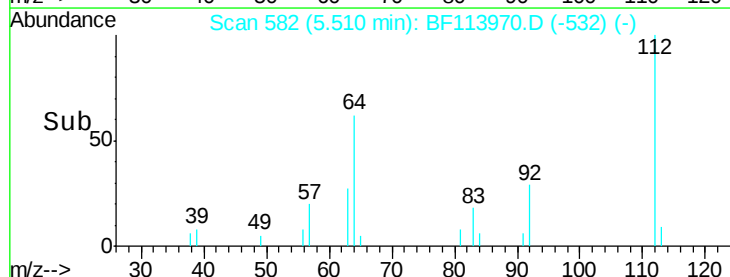
#5

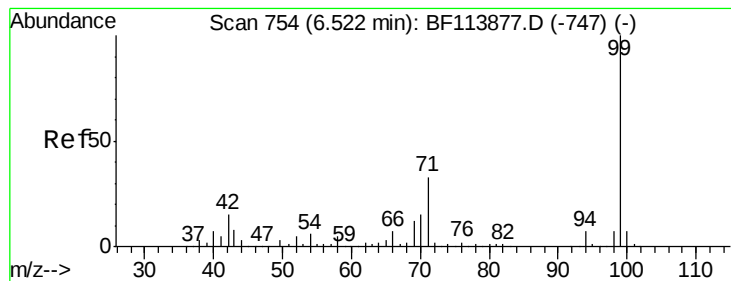
2-Fluorophenol
Concen: 1.100 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	46.6	69.8
63	26.8	23.1	34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 7.987 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

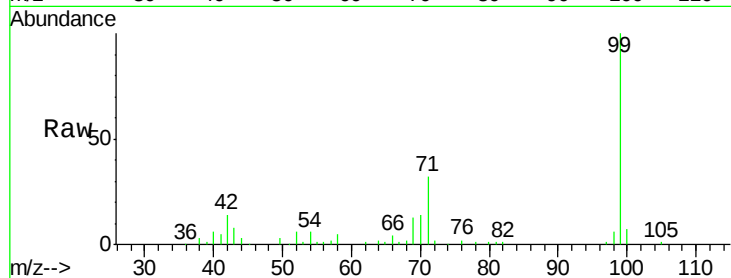
Tot Ion: 99 Resp: 76352

Ion Ratio Lower Upper

99 100

42 13.9 12.5 18.7

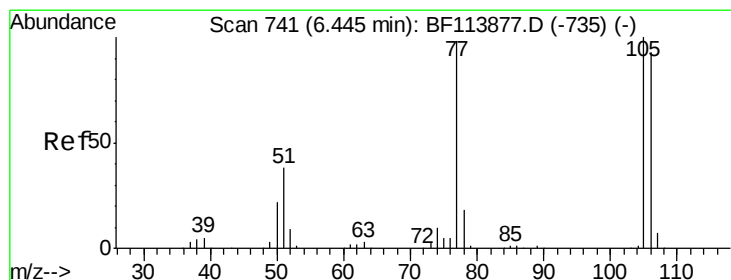
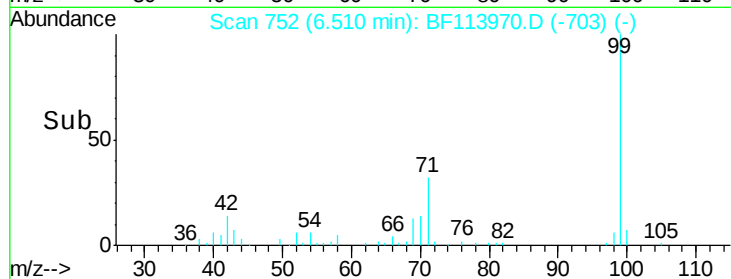
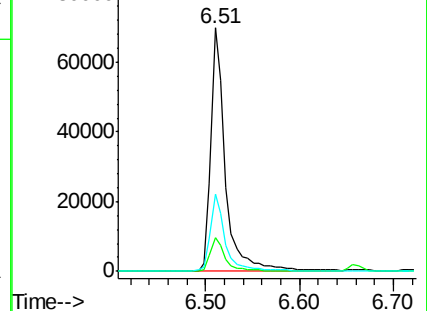
71 31.5 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: Below Cal

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

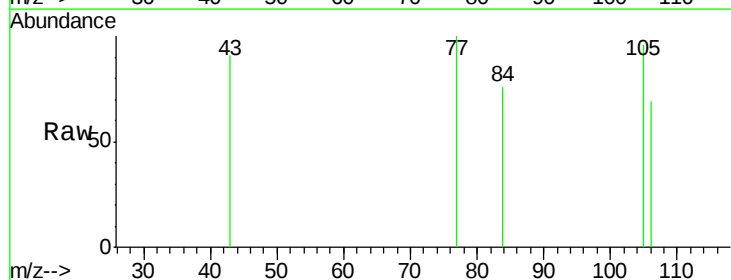
Tgt Ion: 77 Resp: 168

Ion Ratio Lower Upper

77 100

105 96.0 74.1 114.1

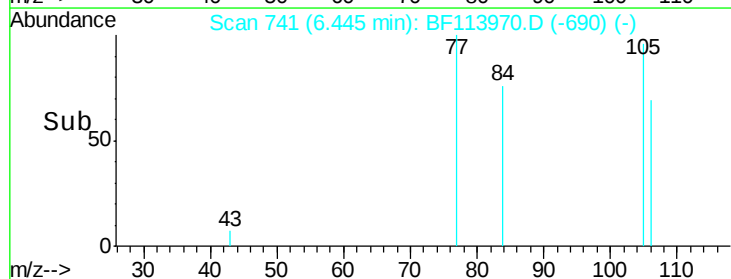
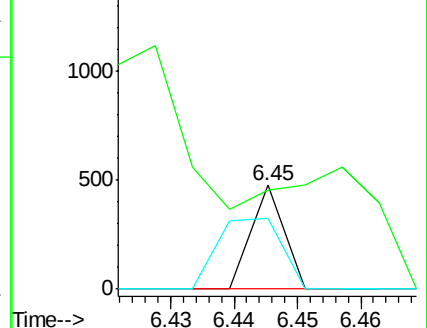
106 68.8 70.3 110.3#

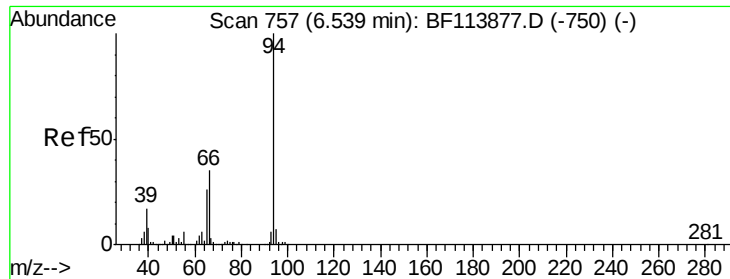


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 0.087 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

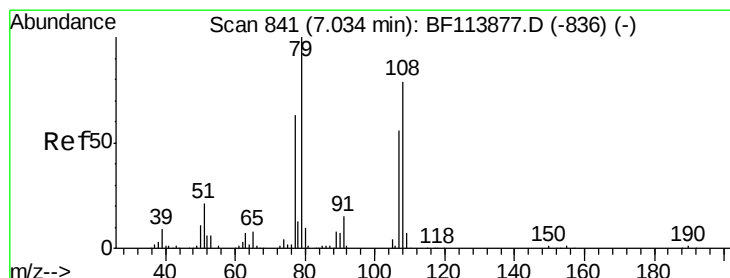
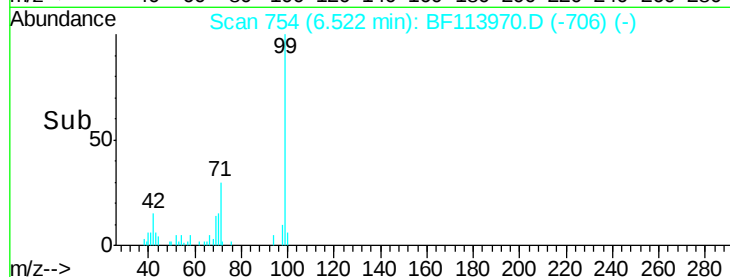
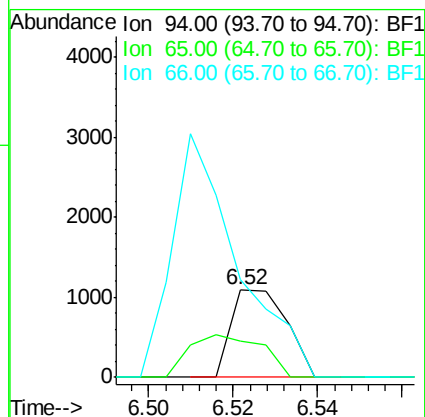
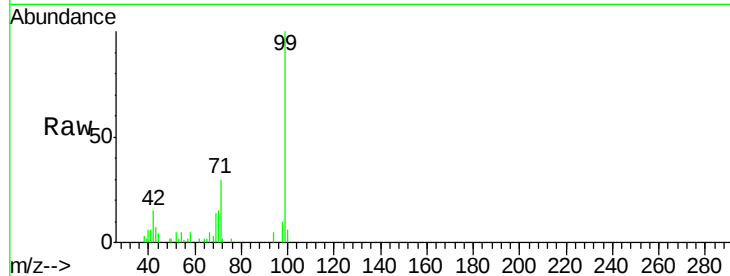
Tot Ion: 94 Resp: 999

Ion Ratio Lower Upper

94 100

65 40.8 8.1 48.1

66 111.0 16.6 56.6#



#15

Benzyl Alcohol

Concen: 0.136 ng

RT: 7.05 min Scan# 844

Delta R.T. 0.02 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

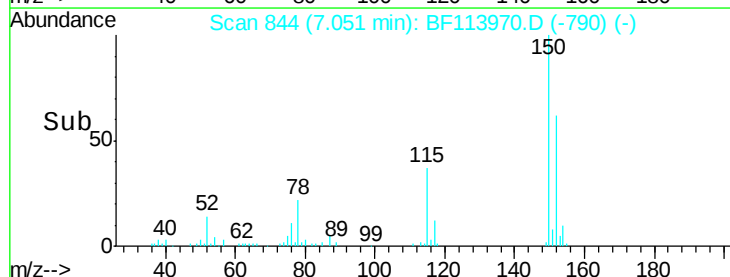
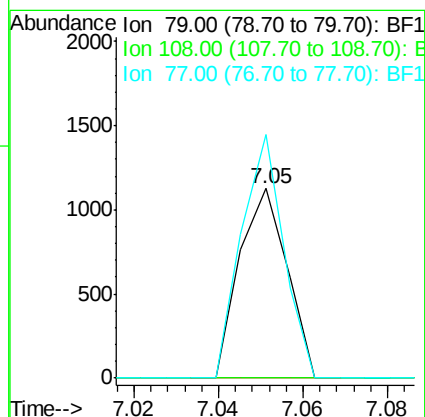
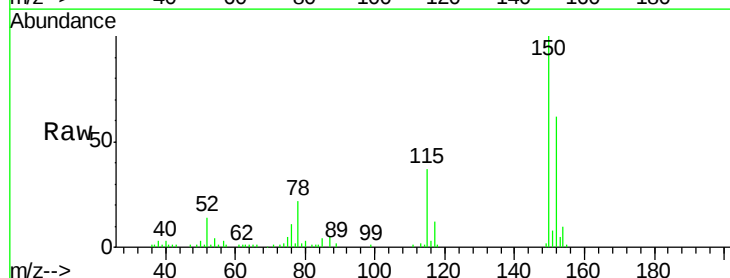
Tgt Ion: 79 Resp: 875

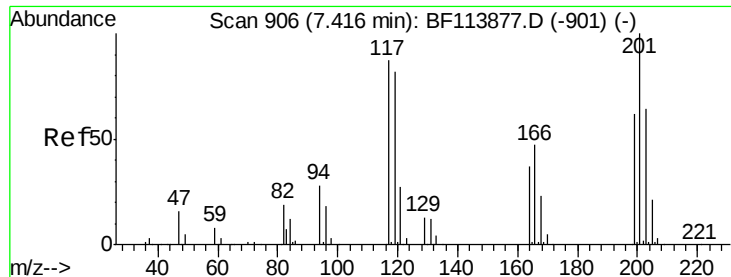
Ion Ratio Lower Upper

79 100

108 0.0 61.4 92.0#

77 128.5 51.6 77.4#

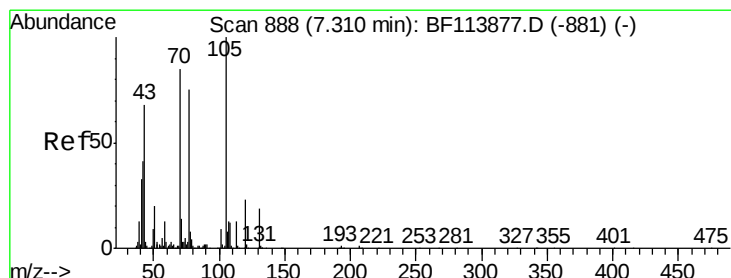
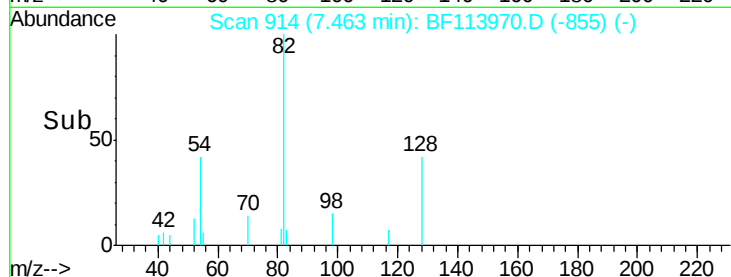
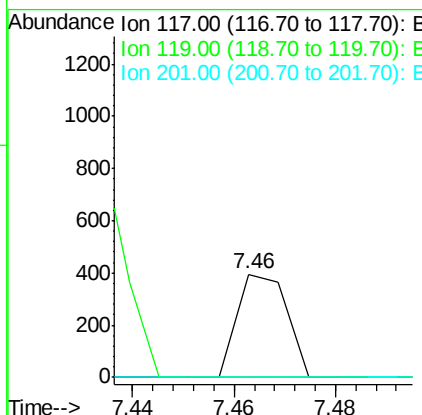
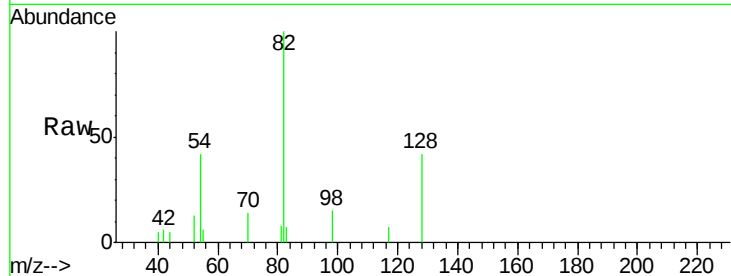




#18
Hexachloroethane
Concen: 0.077 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.05 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

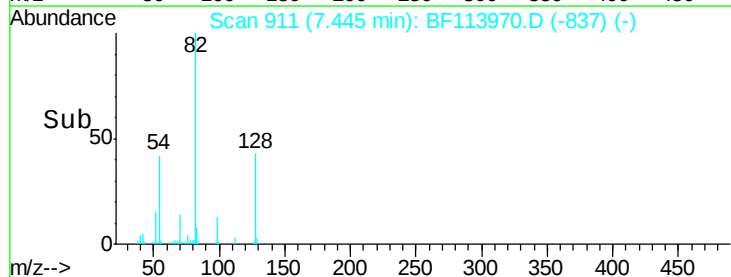
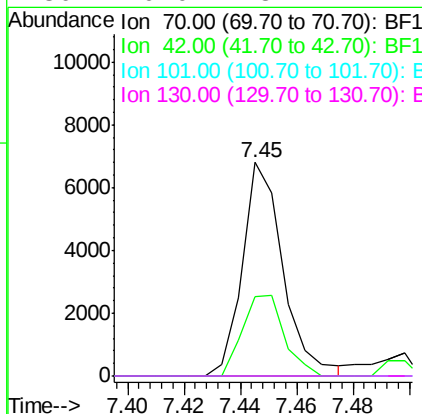
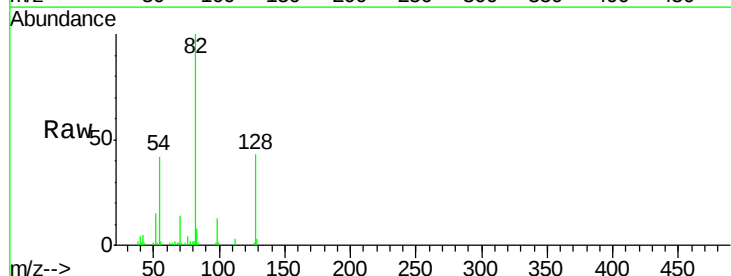
Instrument :
BNA_F
ClientSampleId :

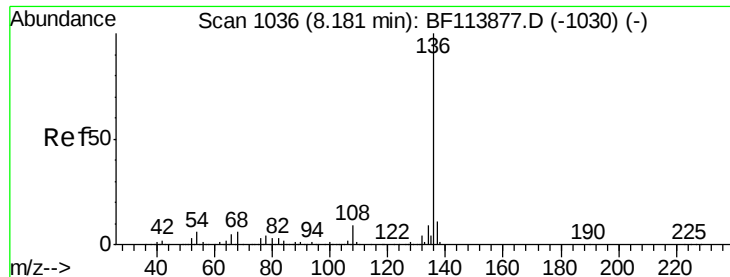
Tot Ion:117 Resp: 268
Ion Ratio Lower Upper
117 100
119 0.0 74.4 111.6#
201 0.0 90.2 135.2#



#19
n-Nitroso-di-n-propylamine
Concen: 1.101 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

Tgt Ion: 70 Resp: 6813
Ion Ratio Lower Upper
70 100
42 37.5 37.3 55.9
101 0.0 7.8 11.8#
130 0.0 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 505211

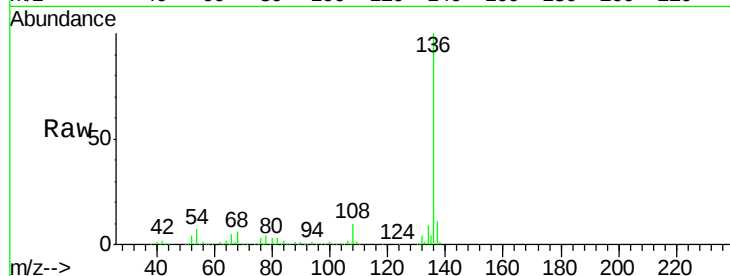
Ion Ratio Lower Upper

136 100

137 11.3 8.6 12.8

54 6.6 5.0 7.6

68 6.2 4.9 7.3

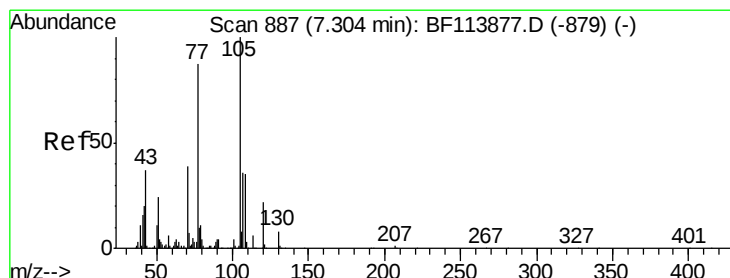
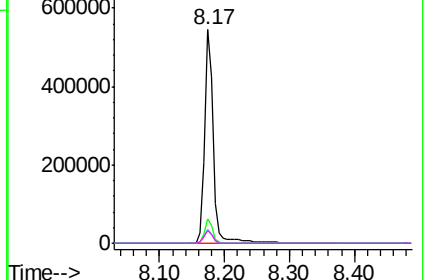
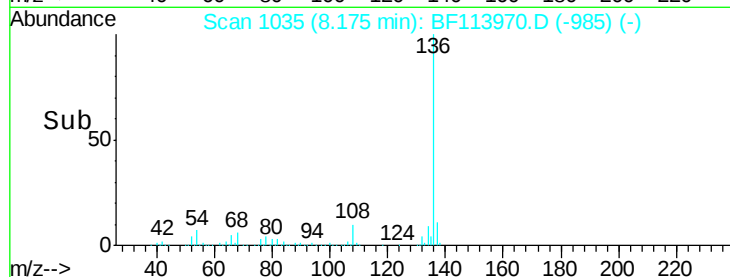


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.049 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Tgt Ion:105 Resp: 551

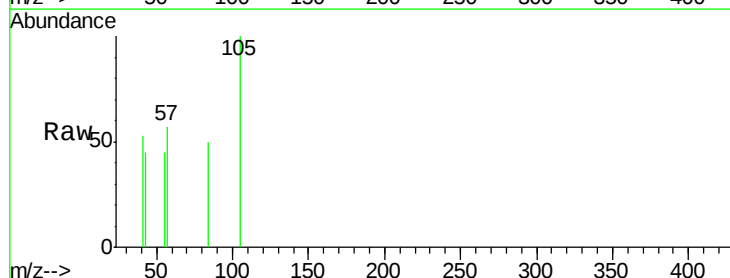
Ion Ratio Lower Upper

105 100

71 0.0 6.1 9.1#

51 0.0 16.8 25.2#

120 0.0 17.6 26.4#

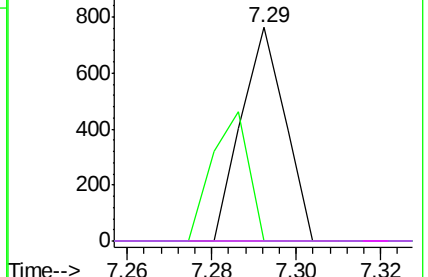
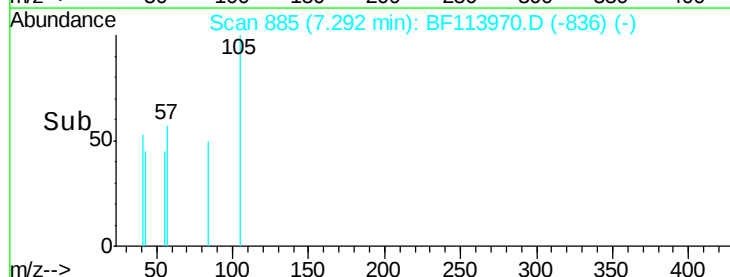


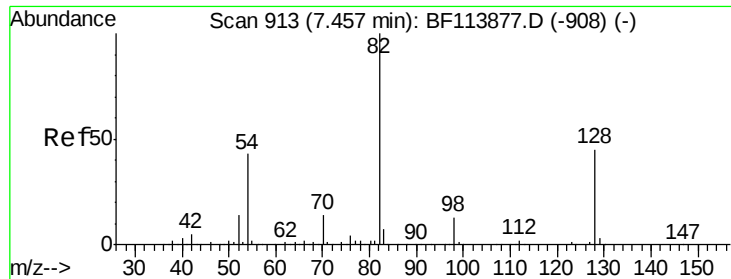
Abundance Ion 105.00 (104.70 to 105.70): E

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

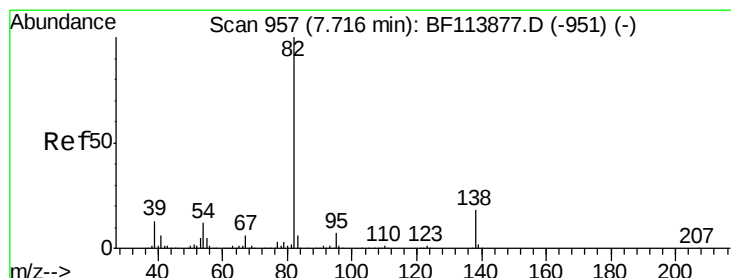
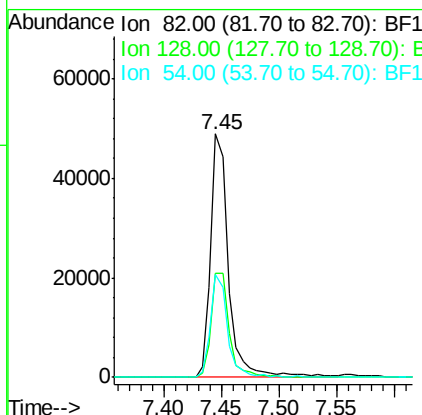
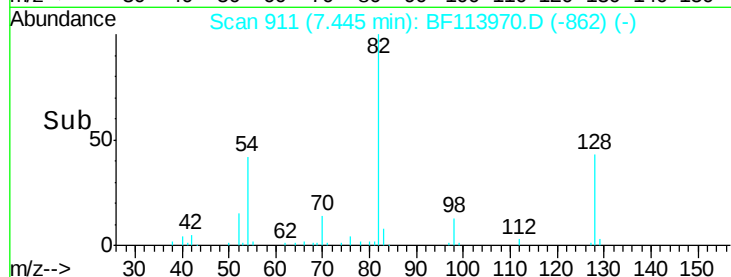
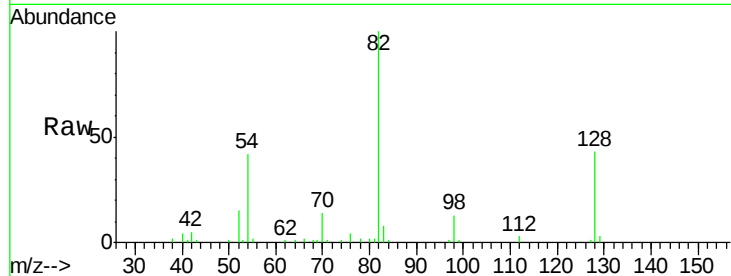




#23
Nitrobenzene-d5
Concen: 6.462 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

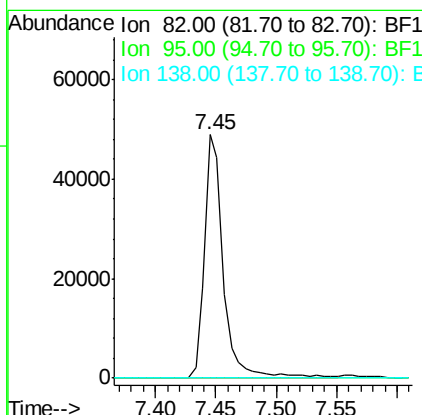
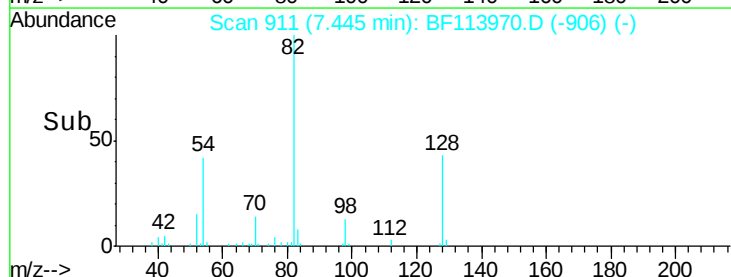
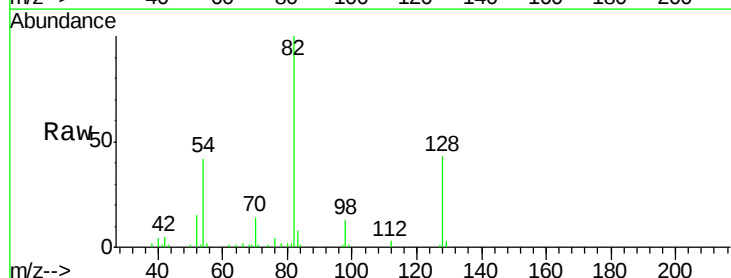
Instrument :
BNA_F
ClientSampleId :

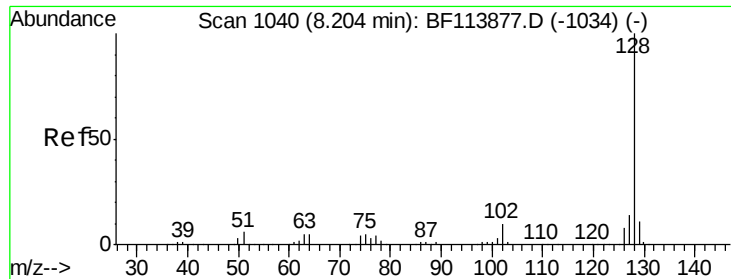
Tot Ion: 82 Resp: 52876
Ion Ratio Lower Upper
82 100
128 42.7 36.8 55.2
54 42.2 33.8 50.6



#25
Isophorone
Concen: 3.158 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.27 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

Tgt Ion: 82 Resp: 52875
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.6 22.0#

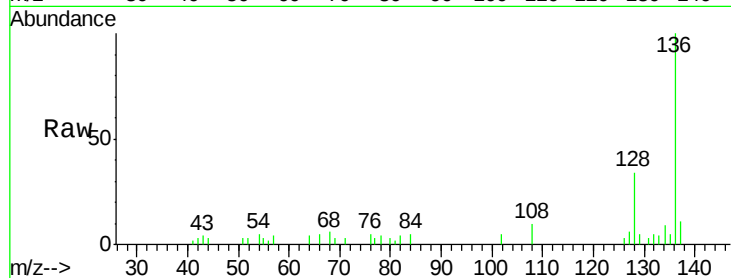




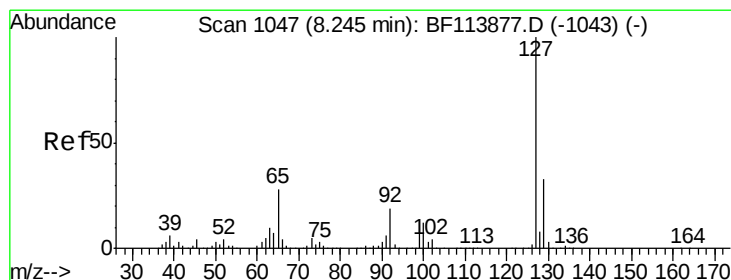
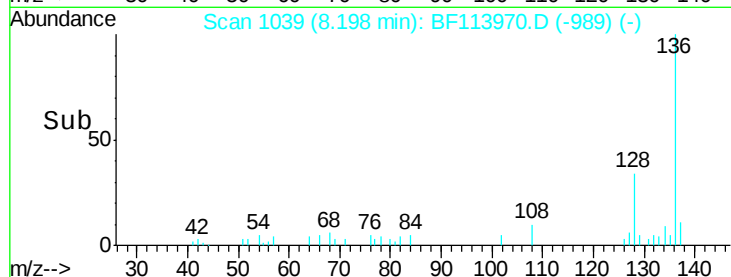
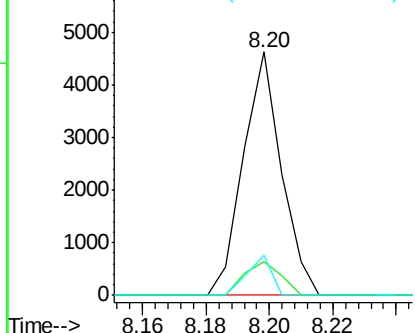
#31
Naphthalene
Concen: 0.161 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 3860
Ion Ratio Lower Upper
128 100
129 13.8 9.4 14.0
127 16.5 10.8 16.2#

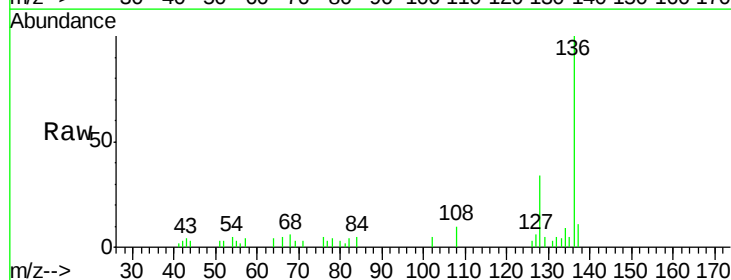


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

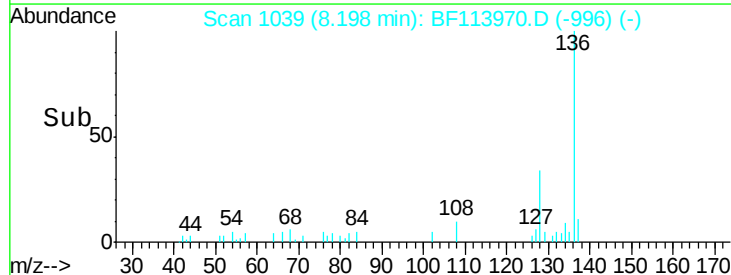
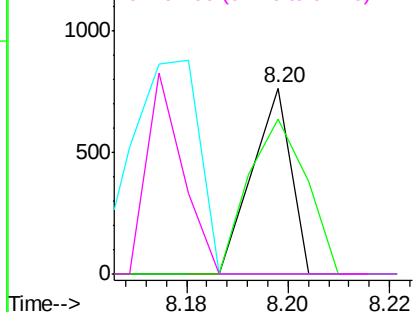


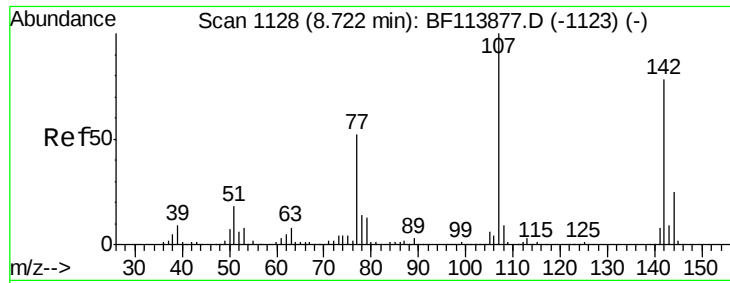
#33
4-Chloroaniline
Concen: 0.040 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

Tgt Ion:127 Resp: 405
Ion Ratio Lower Upper
127 100
129 83.3 26.4 39.6#
65 0.0 24.9 37.3#
92 0.0 15.9 23.9#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

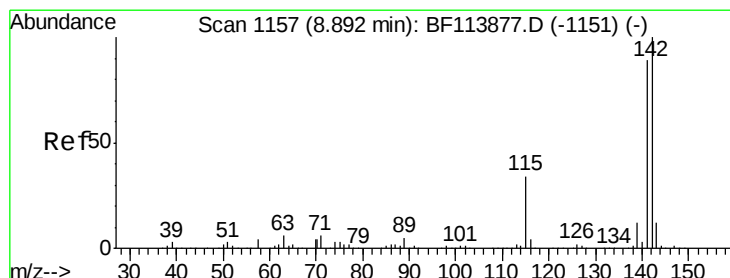
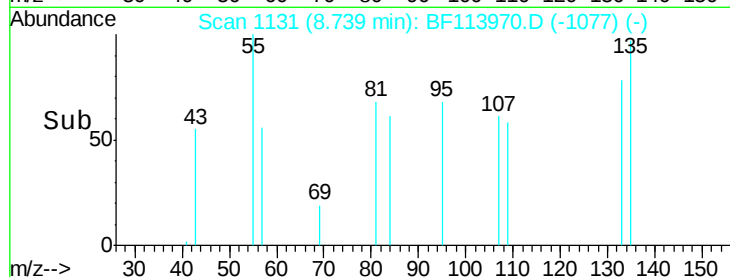
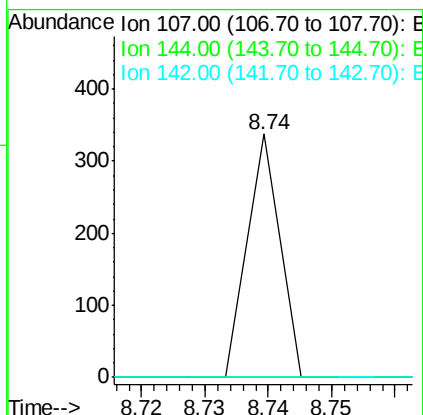
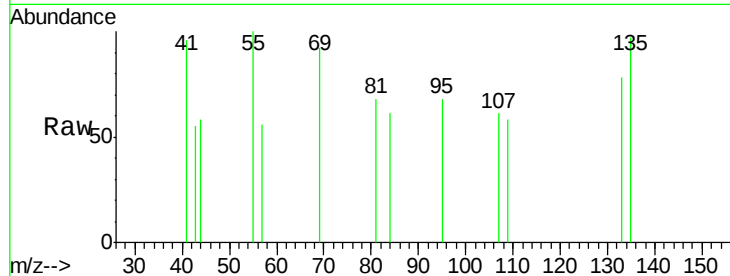




#36
 4-Chloro-3-methylphenol
 Concen: 0.016 ng
 RT: 8.74 min Scan# 1131
 Delta R.T. 0.02 min
 Lab File: BF113970.D
 Acq: 24 Apr 2019 19:07

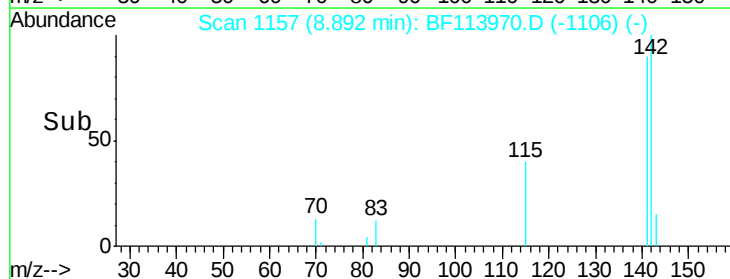
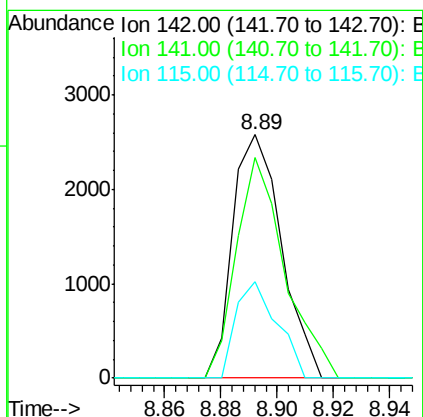
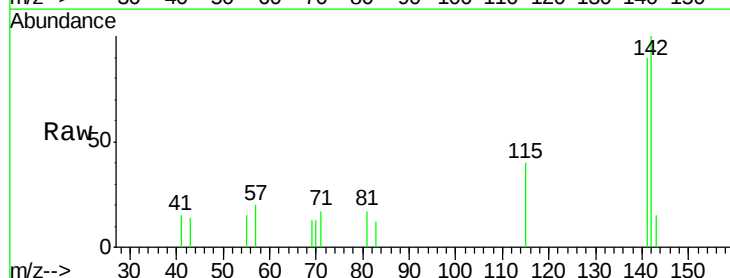
Instrument :
 BNA_F
 ClientSampleId :

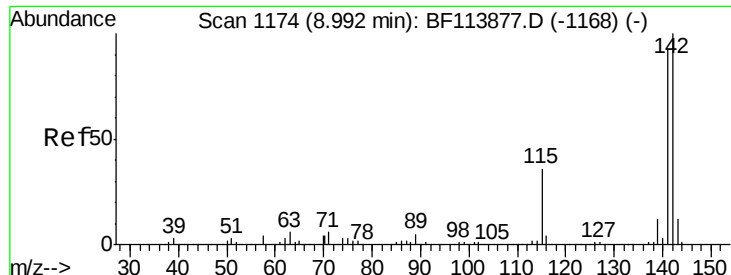
Tot Ion:107 Resp: 119
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.5 30.7#
 142 0.0 64.2 96.4#



#37
 2-Methylnaphthalene
 Concen: 0.191 ng
 RT: 8.89 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: BF113970.D
 Acq: 24 Apr 2019 19:07

Tgt Ion:142 Resp: 3088
 Ion Ratio Lower Upper
 142 100
 141 90.4 70.4 105.6
 115 39.8 26.3 39.5#

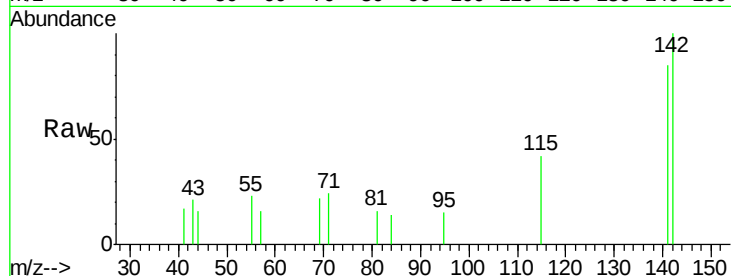




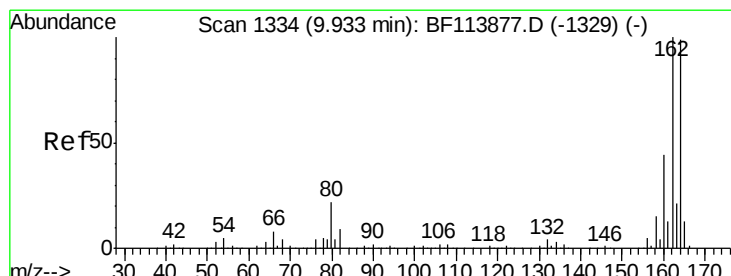
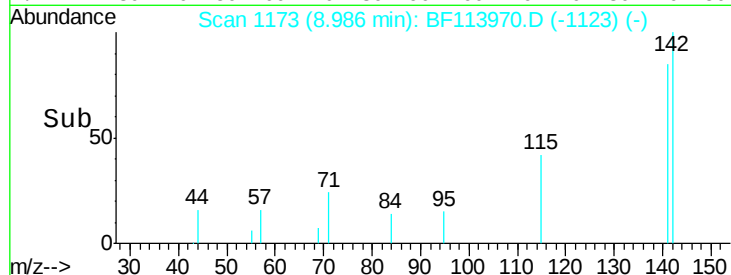
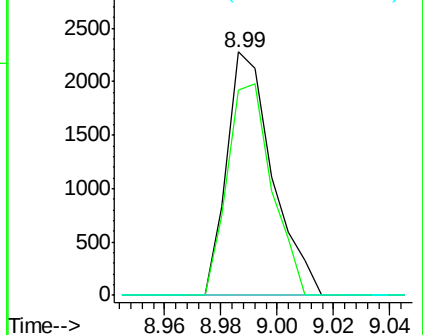
#38
 1-Methylnaphthalene
 Concen: 0.164 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF113970.D
 Acq: 24 Apr 2019 19:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 2565
 Ion Ratio Lower Upper
 142 100
 141 84.5 72.3 108.5
 116 0.0 3.0 4.4#

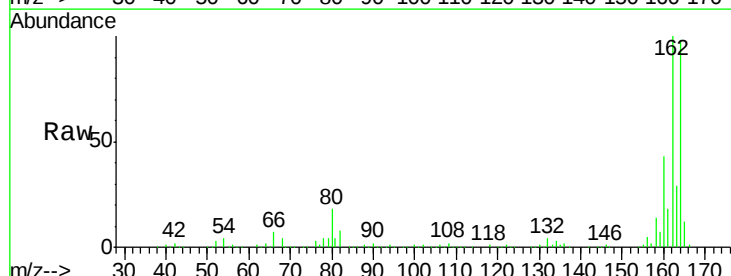


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

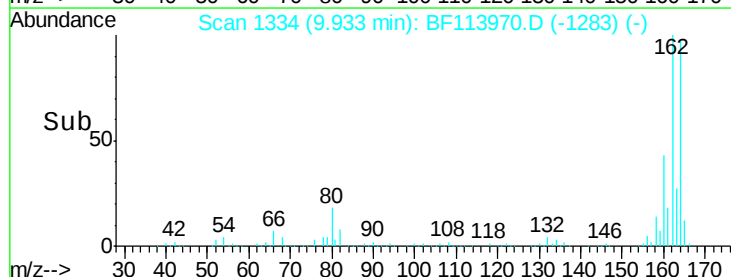
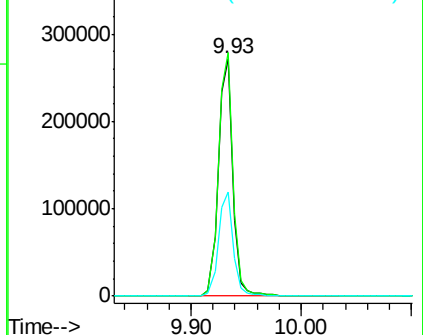


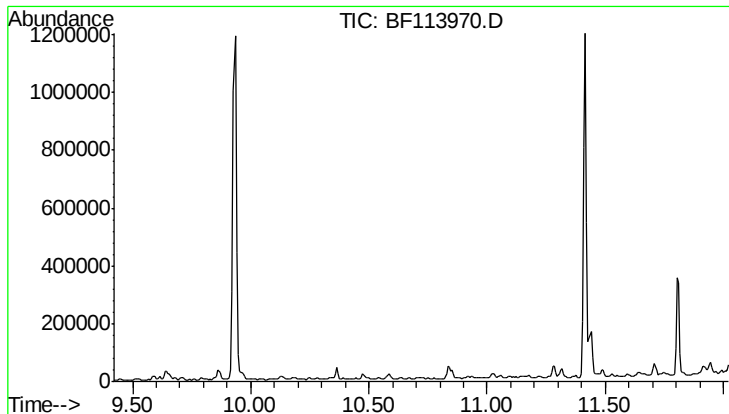
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF113970.D
 Acq: 24 Apr 2019 19:07

Tgt Ion:164 Resp: 248609
 Ion Ratio Lower Upper
 164 100
 162 102.5 81.1 121.7
 160 43.9 35.8 53.6



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

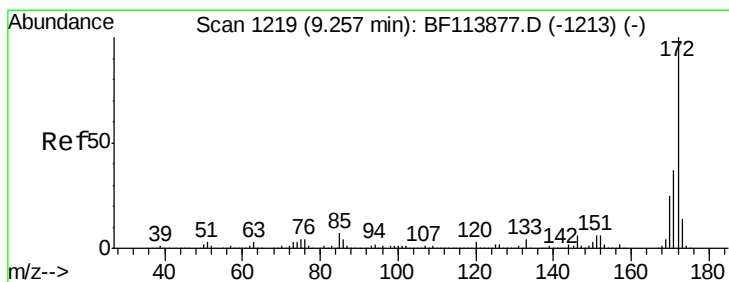
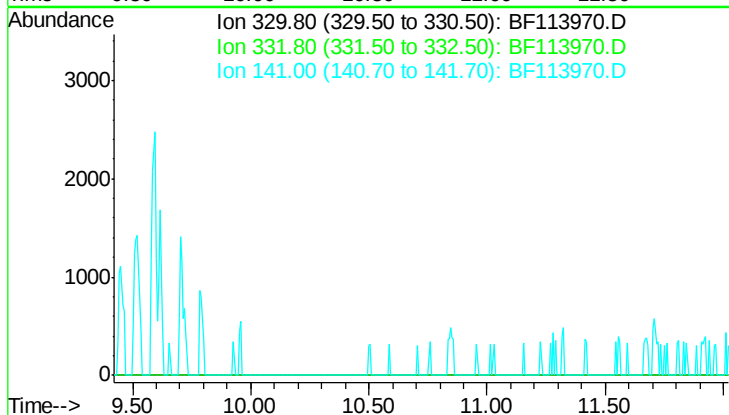




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.72 min
 Lab File: BF113970.D
 Acq: 24 Apr 2019 19:07

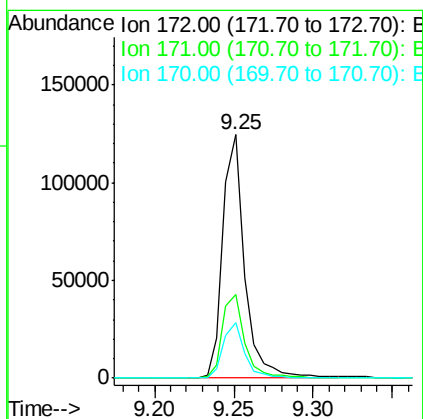
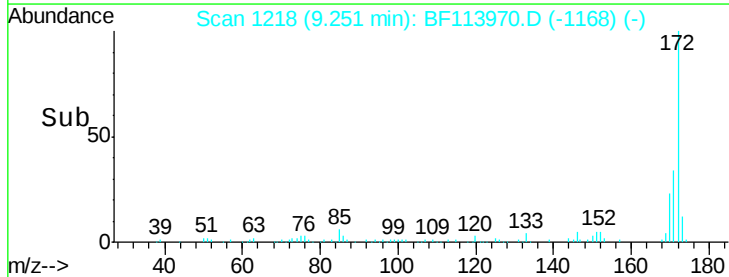
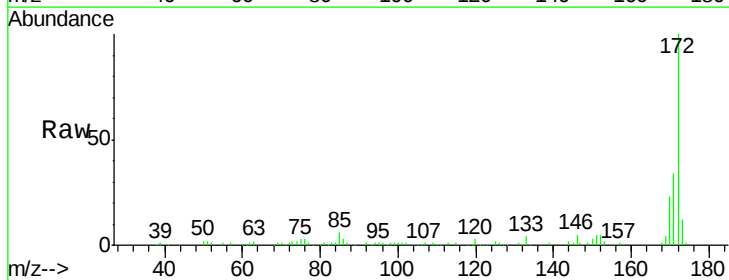
Instrument :
 BNA_F
 ClientSampleId :

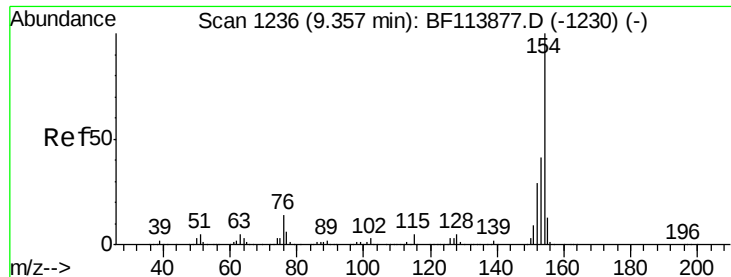
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.9
 141 27.7



#45
 2-Fluorobiphenyl
 Concen: 7.526 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF113970.D
 Acq: 24 Apr 2019 19:07

Tgt Ion:172 Resp: 119626
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.4 44.0
 170 22.7 19.9 29.9

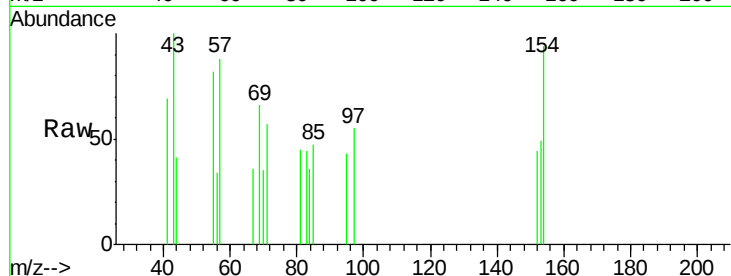




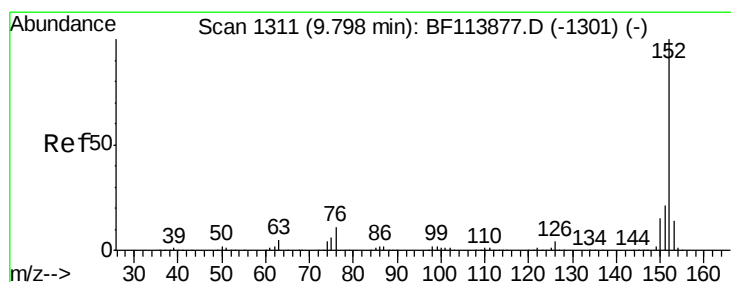
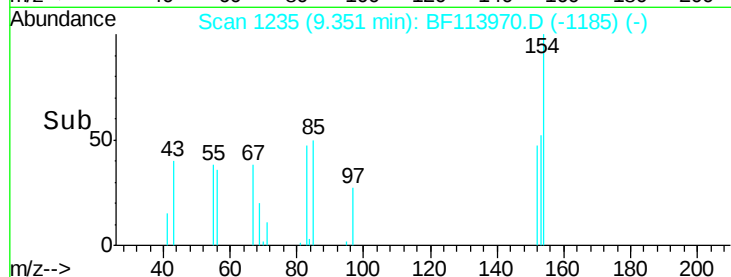
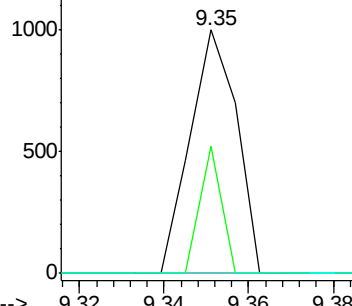
#46
1,1'-Biphenyl
Concen: 0.040 ng
RT: 9.35 min Scan# 1235
Delta R.T. -0.01 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:154 Resp: 763
Ion Ratio Lower Upper
154 100
153 52.2 20.8 60.8
76 0.0 0.0 35.2

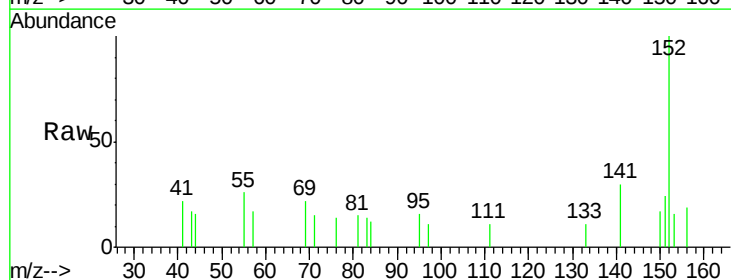


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

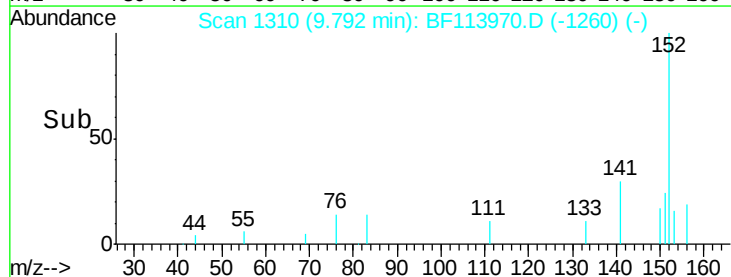
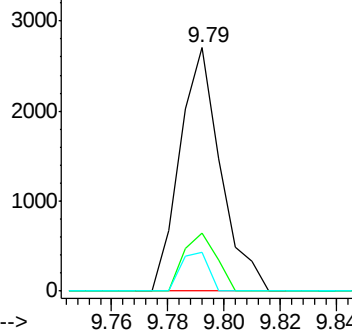


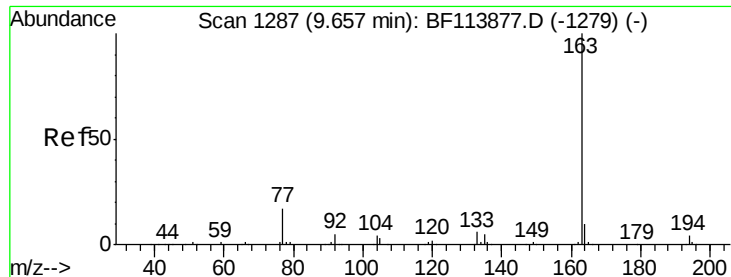
#49
Acenaphthylene
Concen: 0.112 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

Tgt Ion:152 Resp: 2711
Ion Ratio Lower Upper
152 100
151 23.7 17.0 25.4
153 16.2 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: 0.719 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

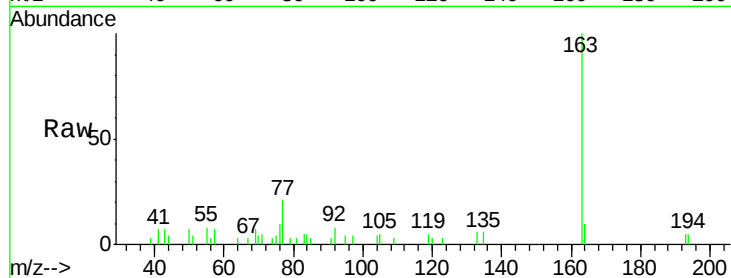
Tot Ion:163 Resp: 12922

Ion Ratio Lower Upper

163 100

194 5.2 3.4 5.2#

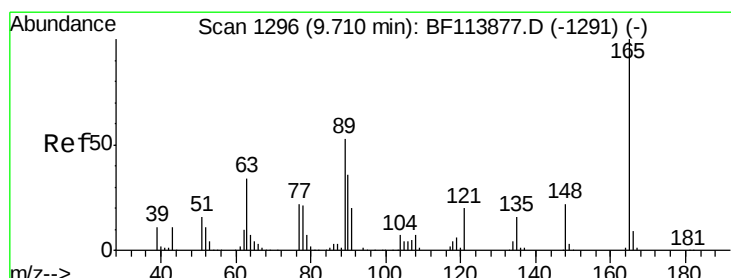
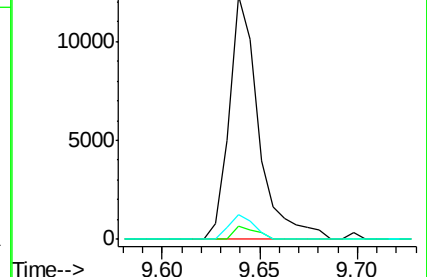
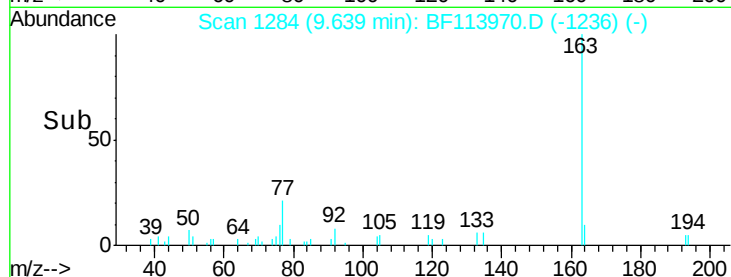
164 10.4 8.5 12.7



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: 8.379 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.22 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

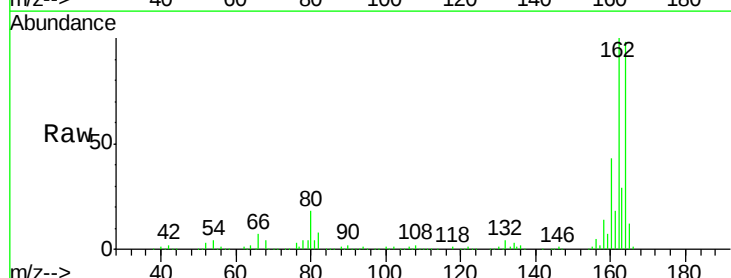
Tgt Ion:165 Resp: 32320

Ion Ratio Lower Upper

165 100

63 1.5 33.8 50.8#

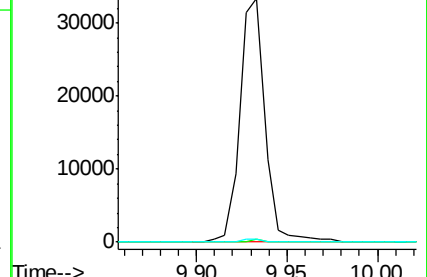
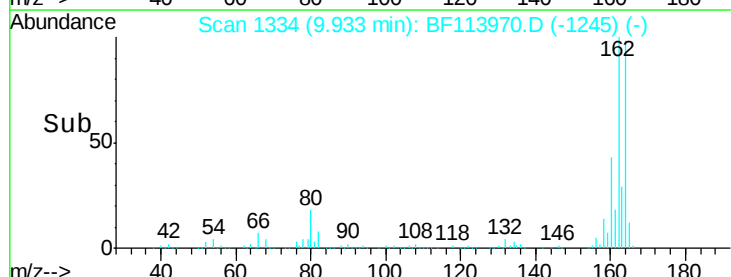
89 1.3 38.2 57.2#

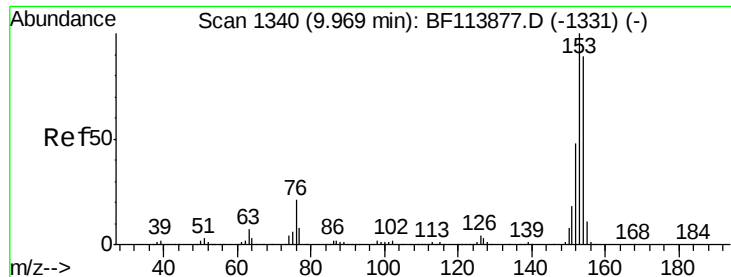


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.213 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

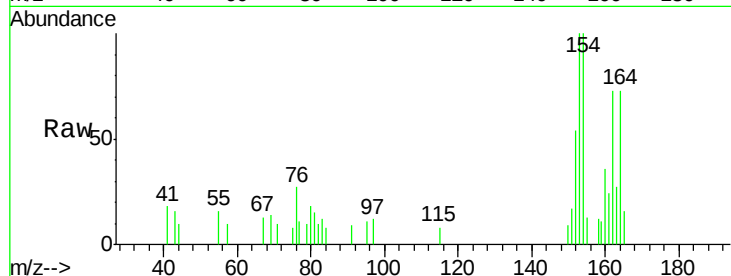
Tot Ion:154 Resp: 3050

Ion Ratio Lower Upper

154 100

153 100.3 87.2 130.8

152 54.0 42.3 63.5

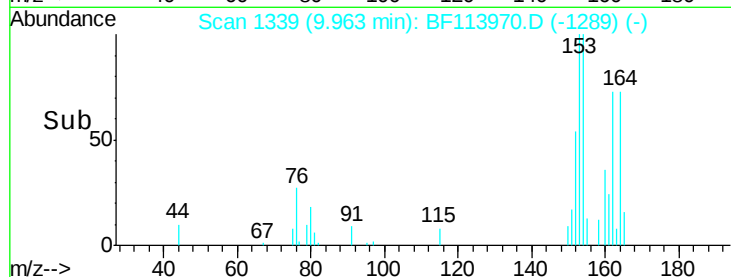


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

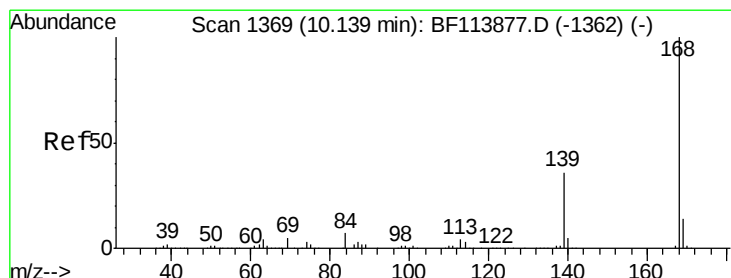
Ion 152.00 (151.70 to 152.70): E

Time-->



Abundance

Time-->



#55

Dibenzofuran

Concen: 0.139 ng

RT: 10.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

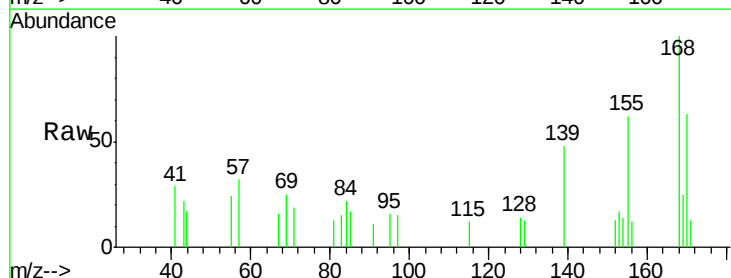
Tgt Ion:168 Resp: 2972

Ion Ratio Lower Upper

168 100

139 47.6 27.8 41.6#

169 25.5 11.0 16.6#

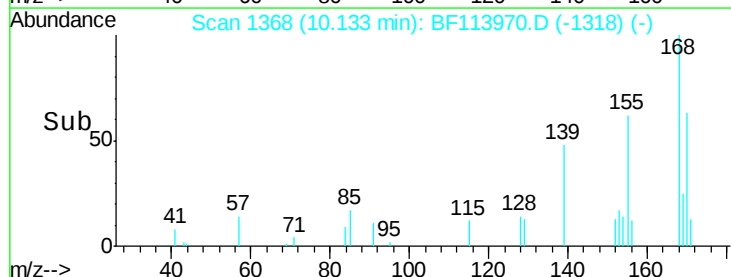


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

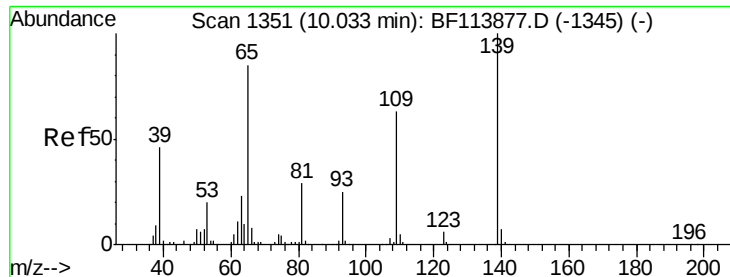
Ion 169.00 (168.70 to 169.70): E

Time-->



Abundance

Time-->



#56

4-Nitrophenol

Concen: 0.364 ng

RT: 10.13 min Scan# 1368

Delta R.T. 0.10 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

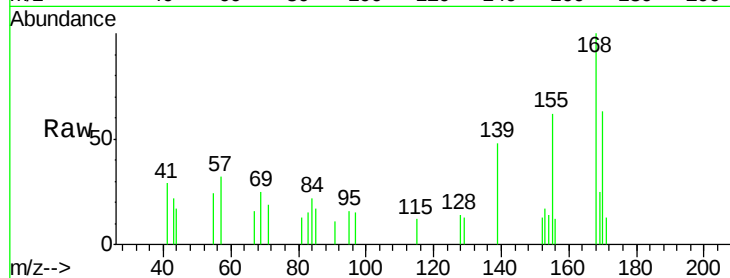
Tot Ion:139 Resp: 1169

Ion Ratio Lower Upper

139 100

109 0.0 42.9 82.9#

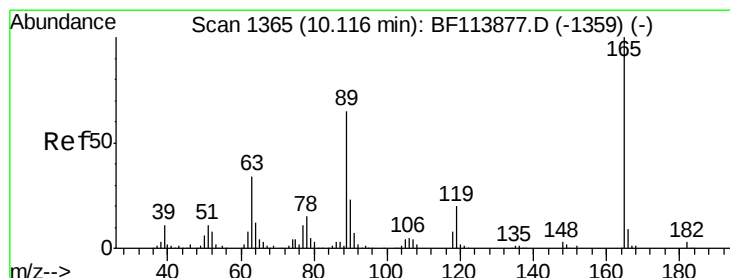
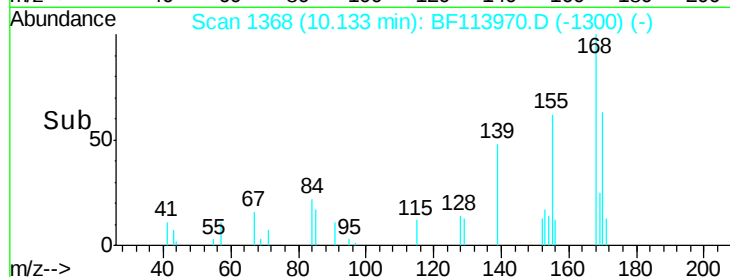
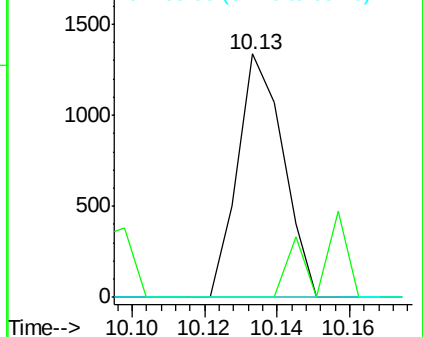
65 0.0 64.4 104.4#



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: 6.638 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Tgt Ion:165 Resp: 32320

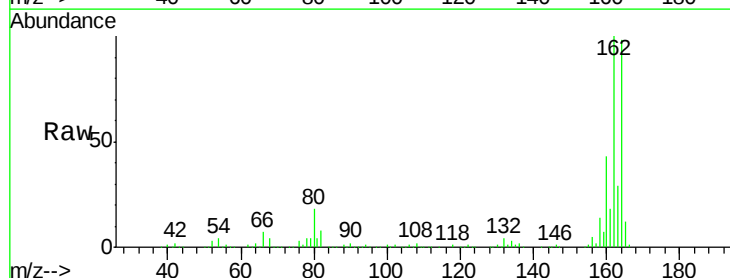
Ion Ratio Lower Upper

165 100

63 1.5 27.4 41.0#

89 1.3 51.8 77.6#

182 0.0 2.2 3.2#

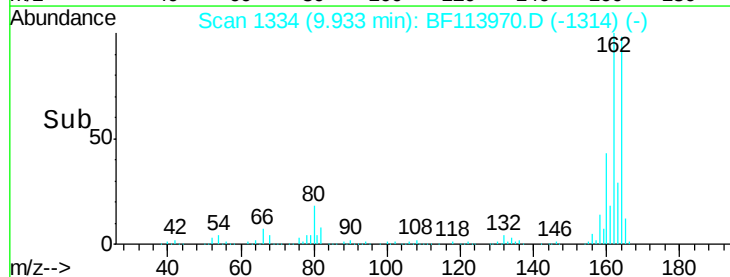
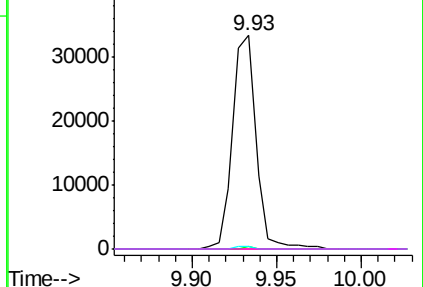


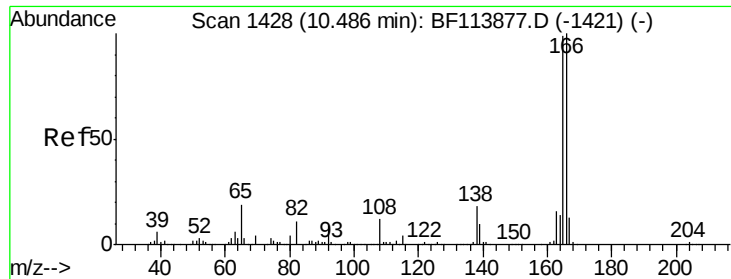
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.313 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

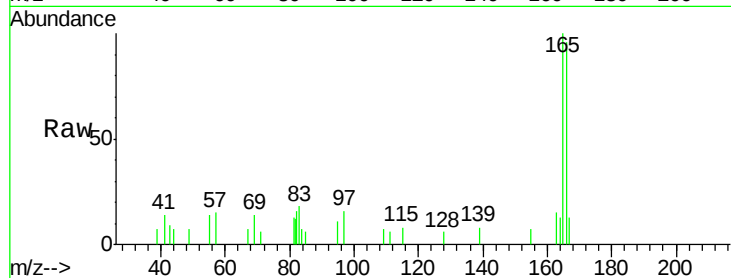
Tot Ion:166 Resp: 5048

Ion Ratio Lower Upper

166 100

165 103.9 78.4 117.6

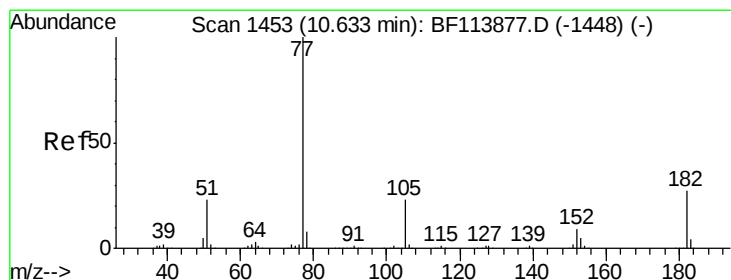
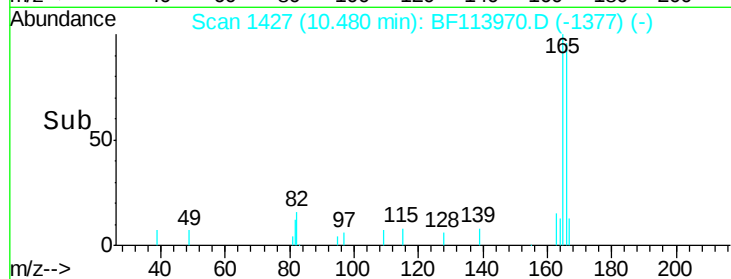
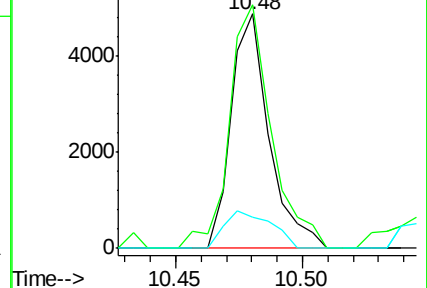
167 13.5 10.9 16.3



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



#63

Azobenzene

Concen: 0.029 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Tgt Ion: 77 Resp: 479

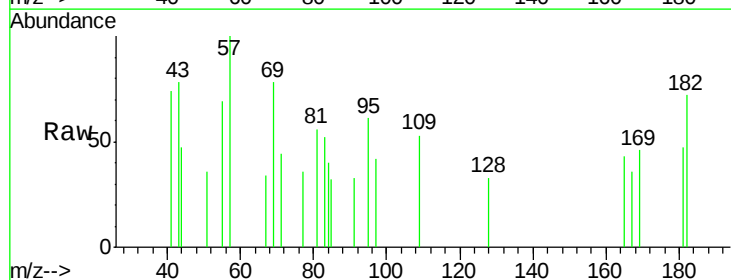
Ion Ratio Lower Upper

77 100

182 201.1 4.4 44.4#

105 0.0 2.2 42.2#

51 99.7 3.9 43.9#

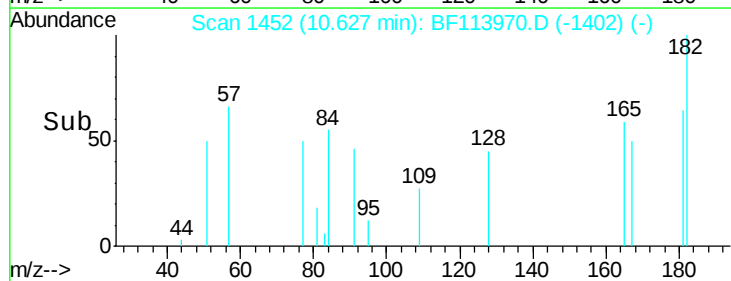
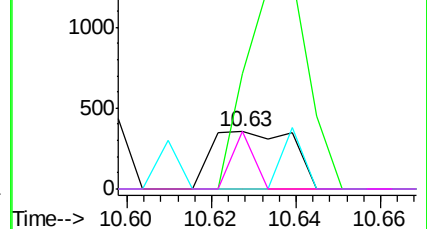


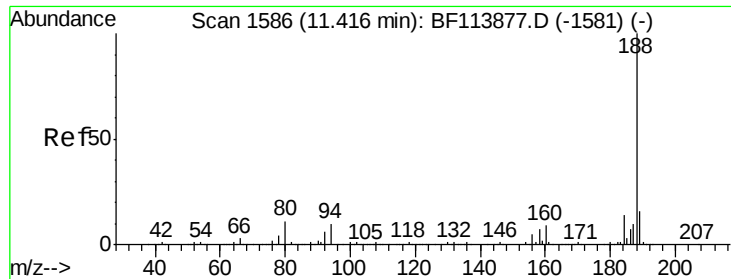
Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

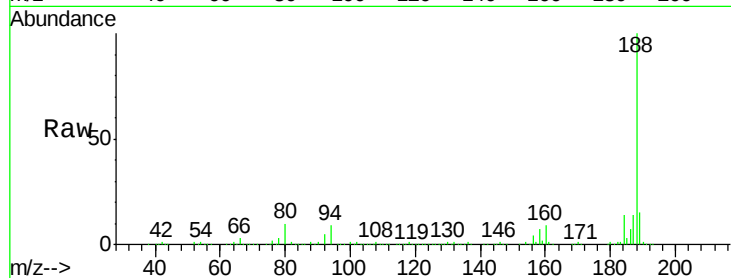
Tot Ion:188 Resp: 425141

Ion Ratio Lower Upper

188 100

94 8.6 8.2 12.4

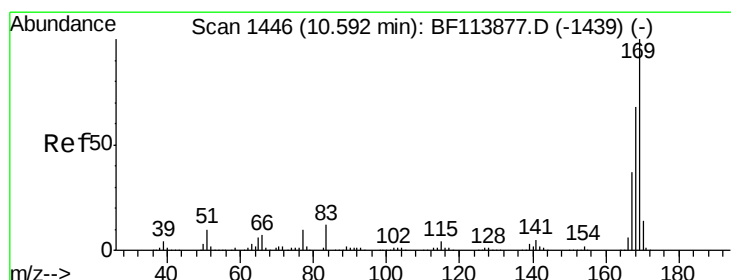
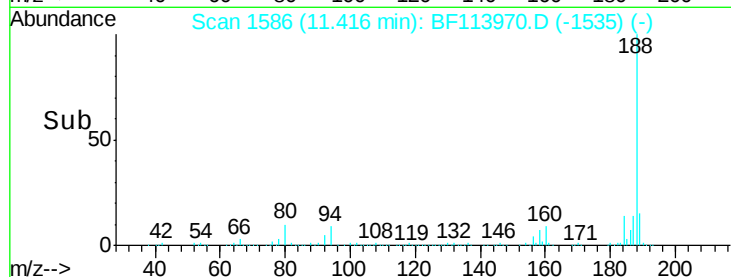
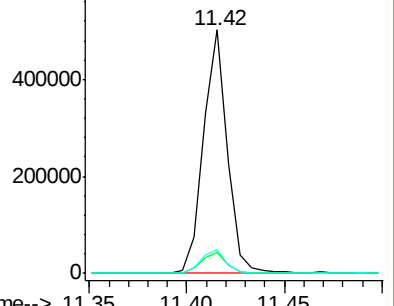
80 9.8 9.0 13.6



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



#66

n-Nitrosodiphenylamine

Concen: 0.112 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

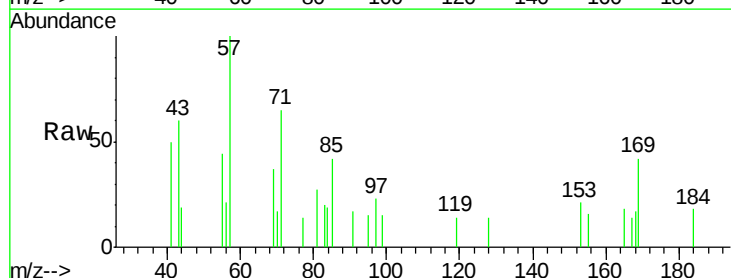
Tgt Ion:169 Resp: 1432

Ion Ratio Lower Upper

169 100

168 41.4 54.3 81.5#

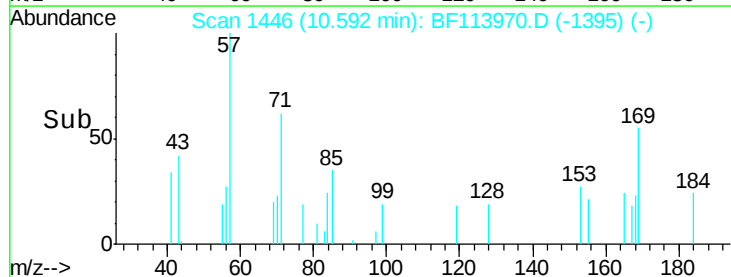
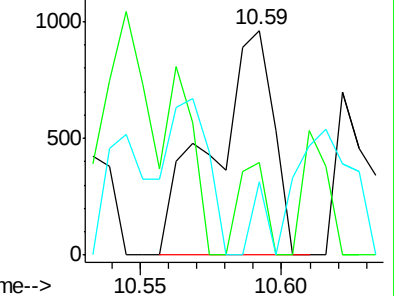
167 32.6 29.4 44.0

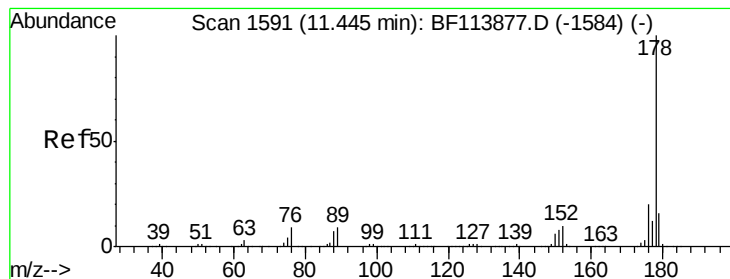


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#71

Phenanthrene

Concen: 2.483 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

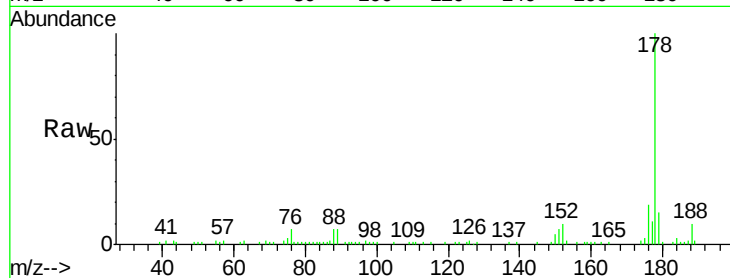
Tot Ion:178 Resp: 53060

Ion Ratio Lower Upper

178 100

176 18.5 16.1 24.1

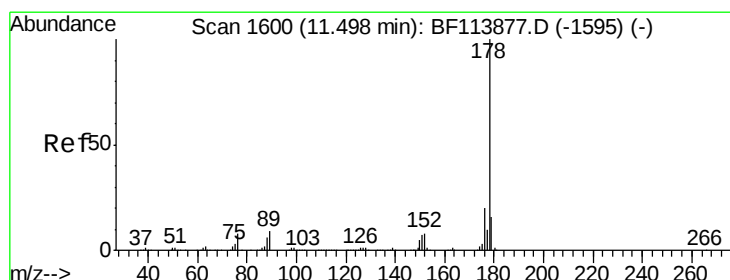
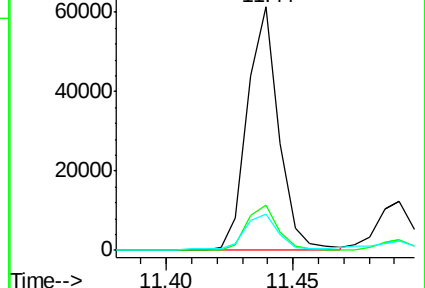
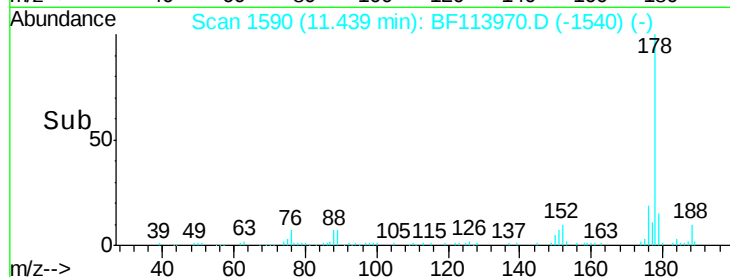
179 14.8 12.8 19.2



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



#72

Anthracene

Concen: 2.459 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.06 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

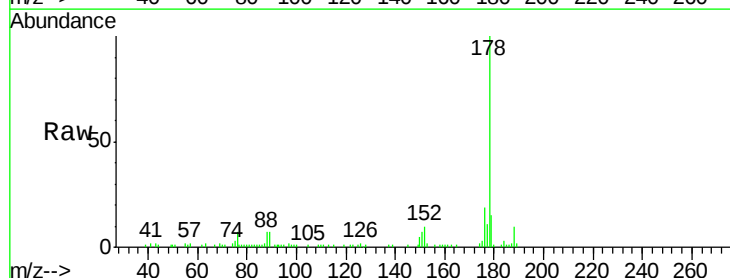
Tgt Ion:178 Resp: 53060

Ion Ratio Lower Upper

178 100

176 18.5 15.7 23.5

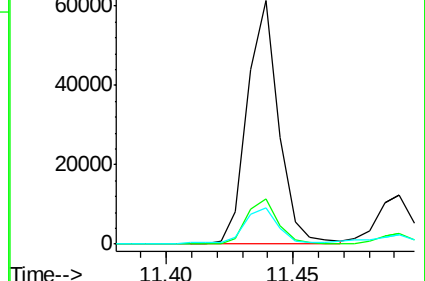
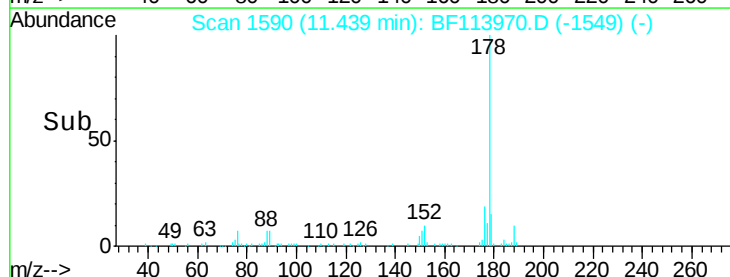
179 14.8 13.0 19.4

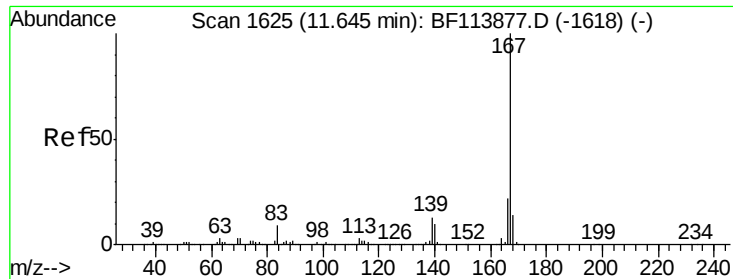


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 0.272 ng

RT: 11.64 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

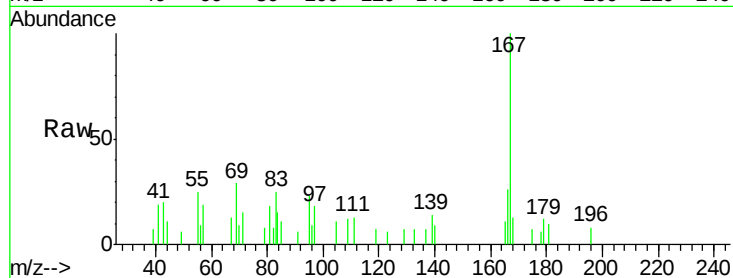
Tot Ion:167 Resp: 5243

Ion Ratio Lower Upper

167 100

166 25.9 17.7 26.5

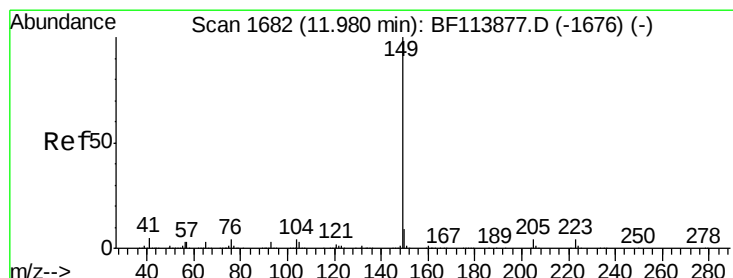
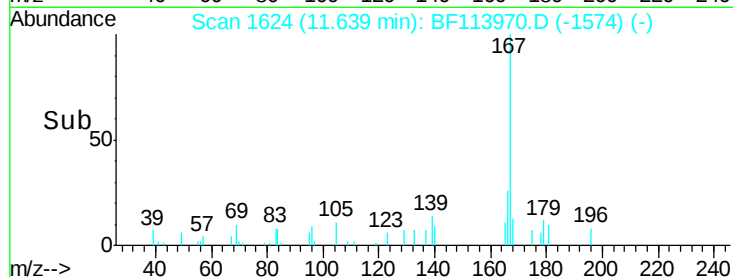
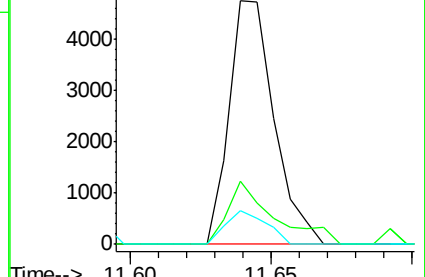
139 13.7 10.0 15.0



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



#74

Di-n-butylphthalate

Concen: 0.110 ng

RT: 11.97 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

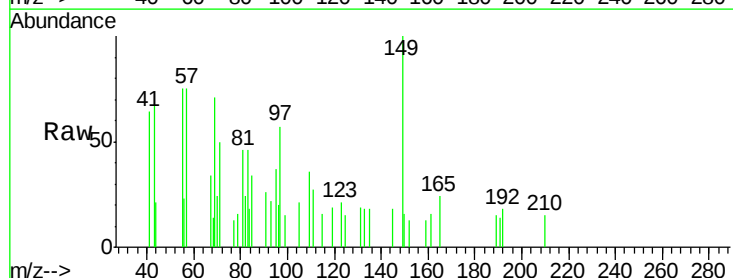
Tgt Ion:149 Resp: 2486

Ion Ratio Lower Upper

149 100

150 15.6 7.8 11.8#

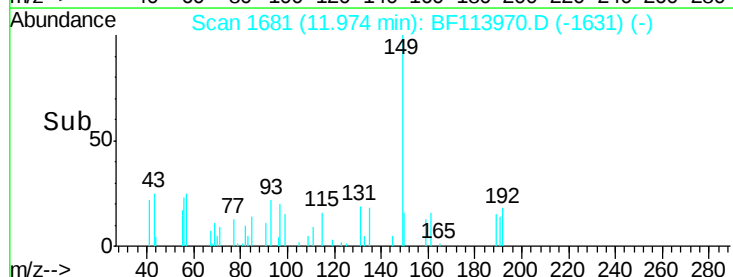
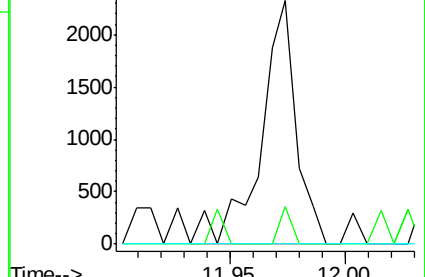
104 0.0 3.8 5.8#

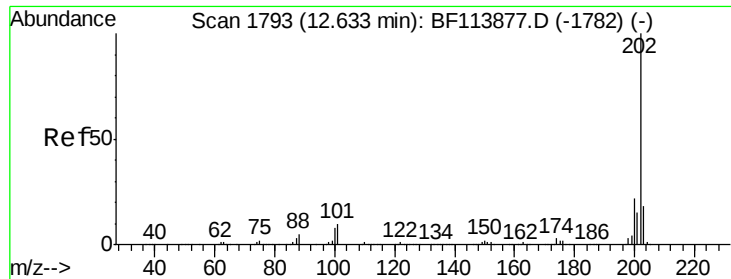


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 2.949 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampled :

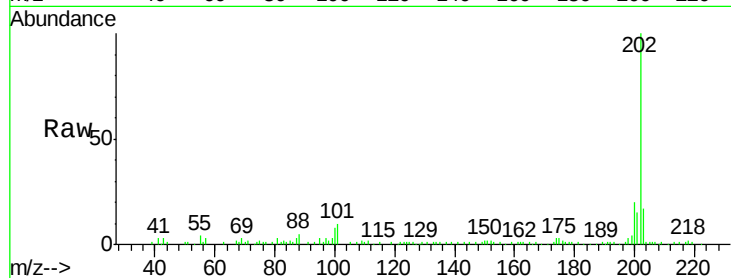
Tot Ion:202 Resp: 68749

Ion Ratio Lower Upper

202 100

101 10.2 0.0 32.9

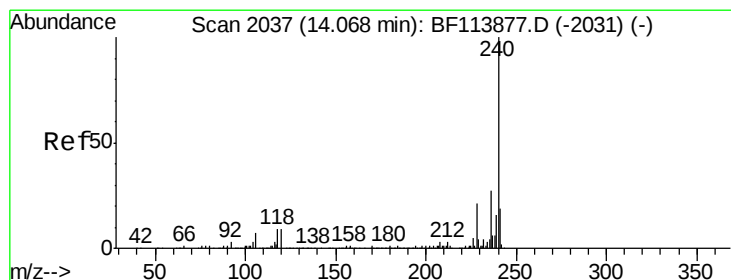
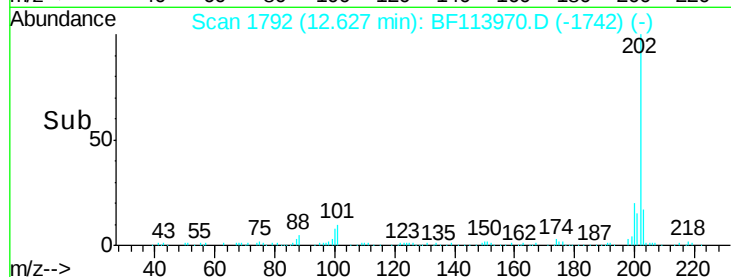
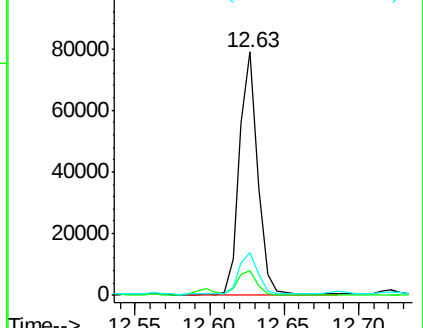
203 17.5 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

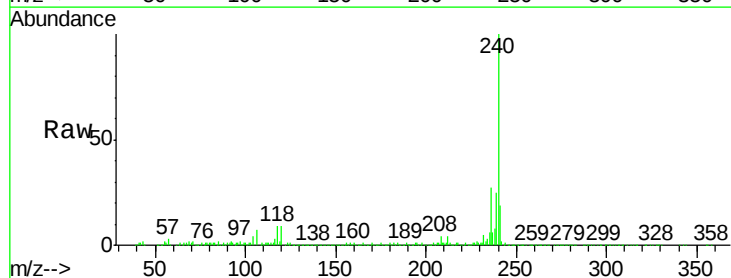
Tgt Ion:240 Resp: 352424

Ion Ratio Lower Upper

240 100

120 9.1 9.3 13.9#

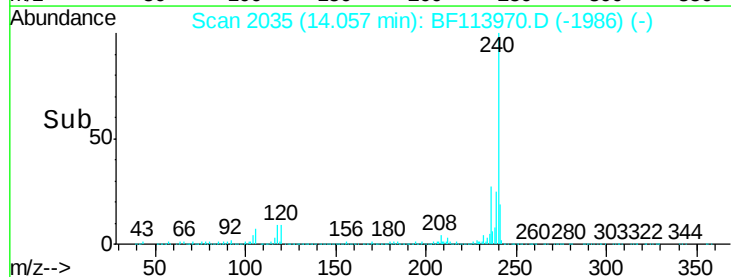
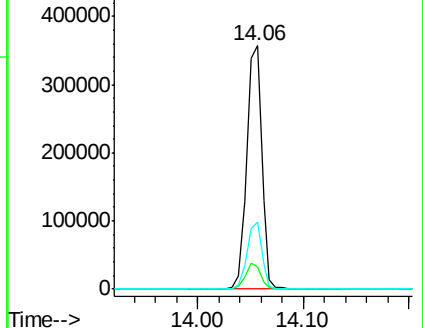
236 27.5 21.2 31.8

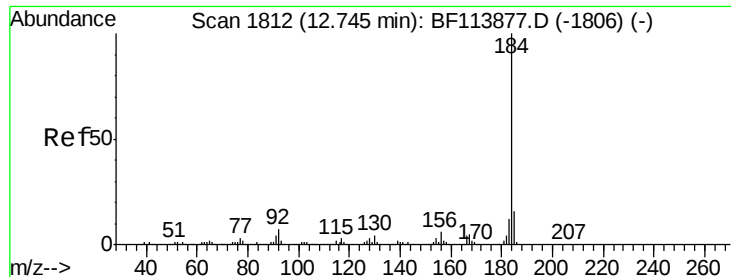


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.010 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampled :

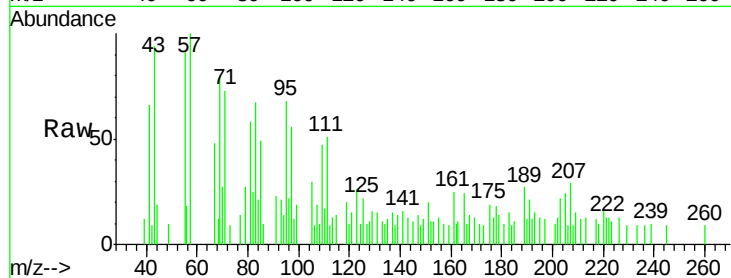
Tot Ion:184 Resp: 109

Ion Ratio Lower Upper

184 100

185 127.5 13.0 19.6#

183 167.3 9.4 14.0#



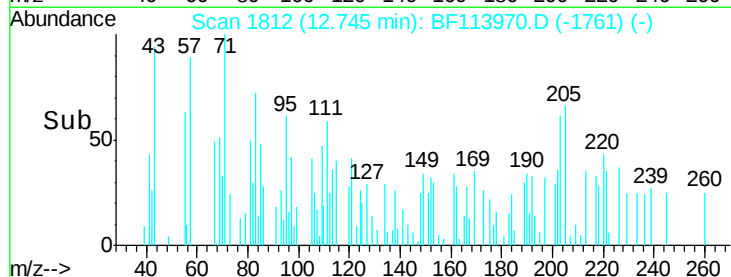
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

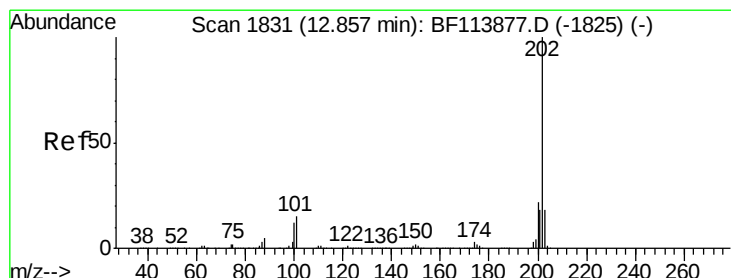
Ion 183.00 (182.70 to 183.70): E

12.74

12.76



Time-->



#78

Pyrene

Concen: 2.515 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

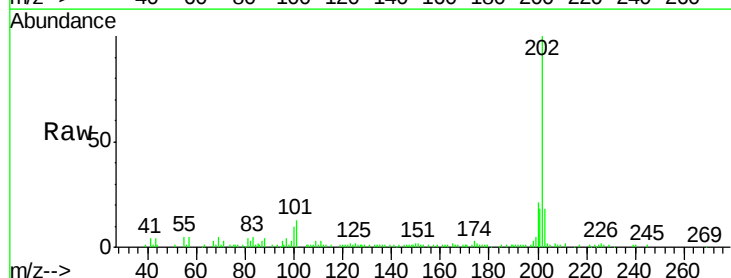
Tgt Ion:202 Resp: 61993

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

203 18.3 15.0 22.6



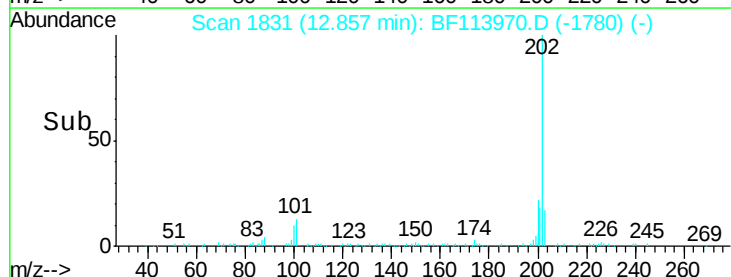
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

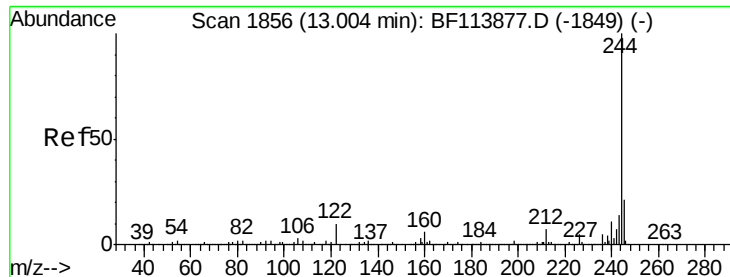
Ion 203.00 (202.70 to 203.70): E

12.86

12.90



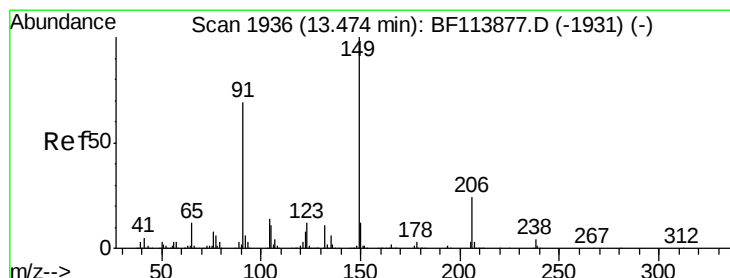
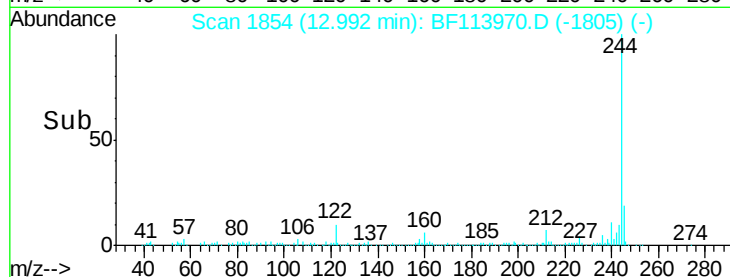
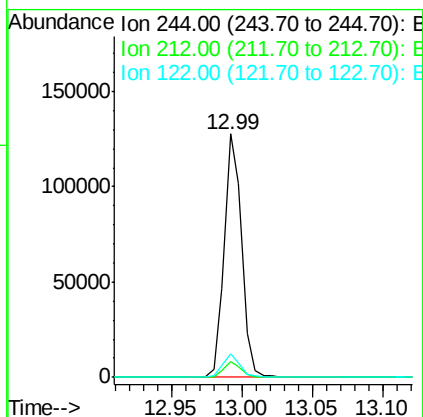
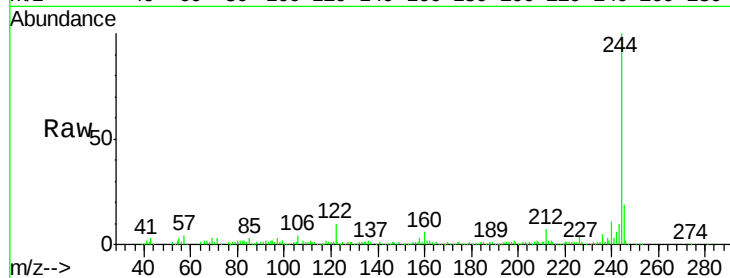
Time-->



#79
 Terphenyl-d14
 Concen: 6.372 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF113970.D
 Acq: 24 Apr 2019 19:07

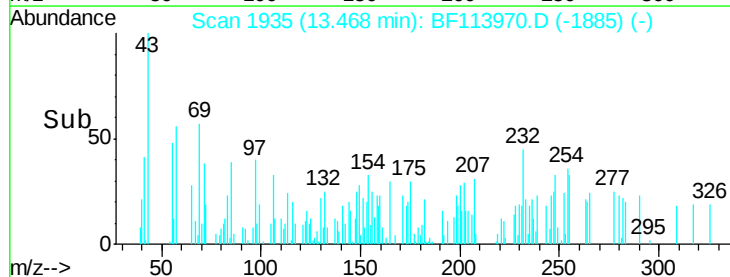
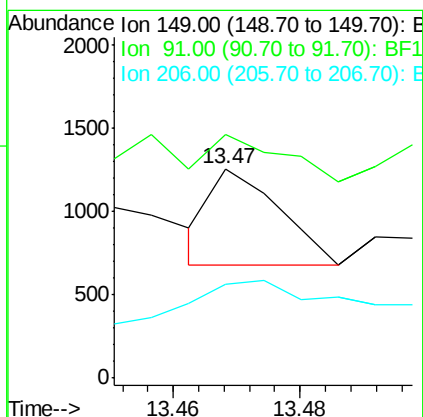
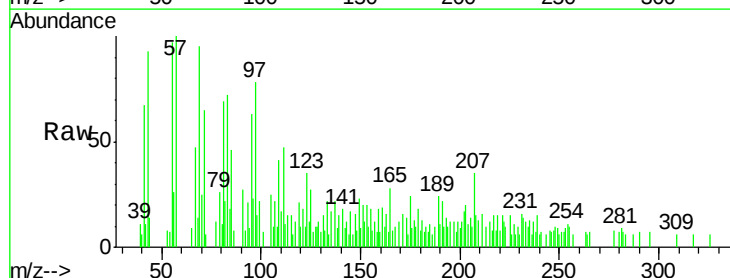
Instrument :
 BNA_F
 ClientSampleId :

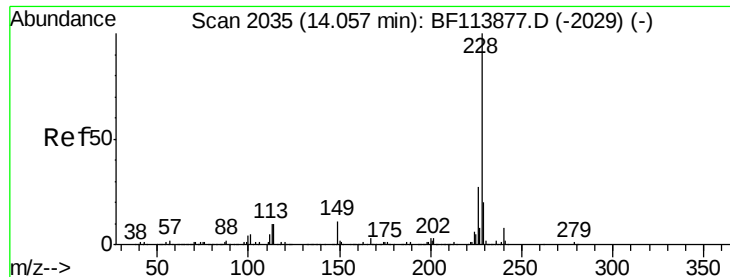
Tot Ion:244 Resp: 109538
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 9.7 7.6 11.4



#80
 Butylbenzylphthalate
 Concen: 0.045 ng
 RT: 13.47 min Scan# 1935
 Delta R.T. -0.01 min
 Lab File: BF113970.D
 Acq: 24 Apr 2019 19:07

Tgt Ion:149 Resp: 435
 Ion Ratio Lower Upper
 149 100
 91 116.2 56.3 84.5#
 206 44.7 19.0 28.6#





#81

Benzo(a)anthracene

Concen: 1.607 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

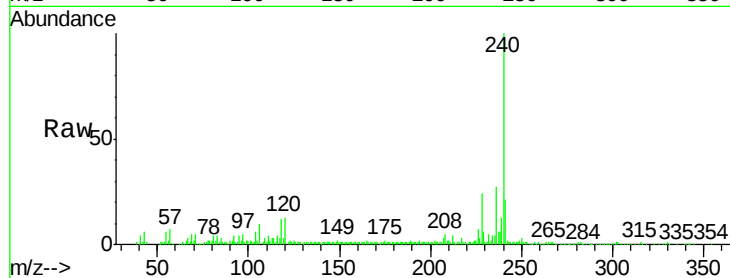
Tot Ion:228 Resp: 33371

Ion Ratio Lower Upper

228 100

226 30.8 22.2 33.2

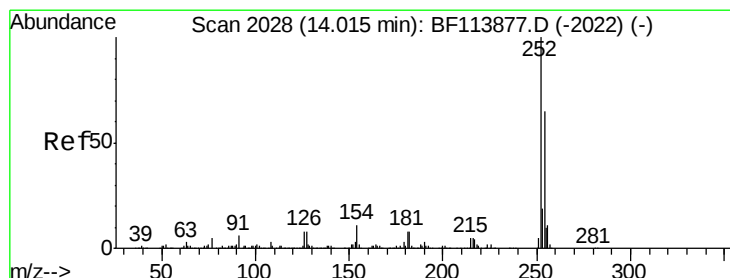
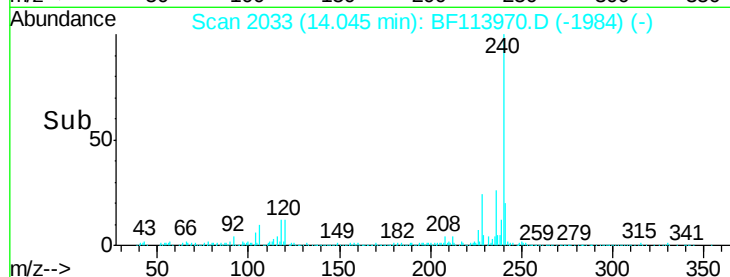
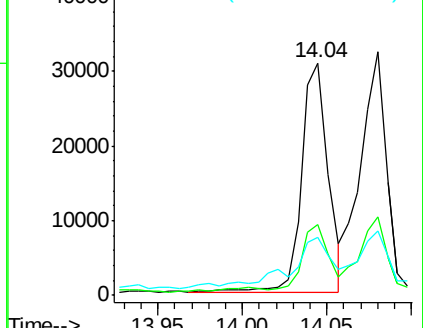
229 25.0 16.0 24.0#



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



#82

3,3'-Dichlorobenzidine

Concen: 0.062 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

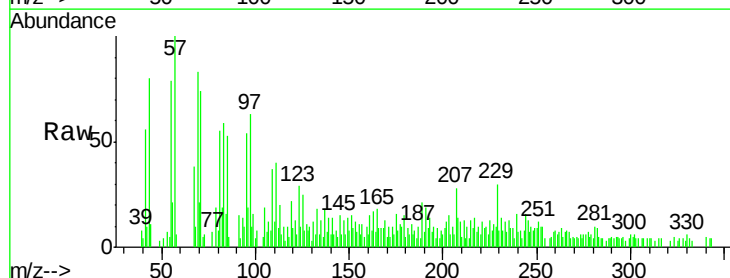
Tgt Ion:252 Resp: 471

Ion Ratio Lower Upper

252 100

254 46.0 52.1 78.1#

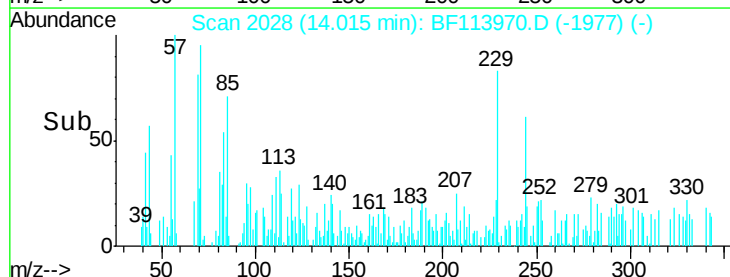
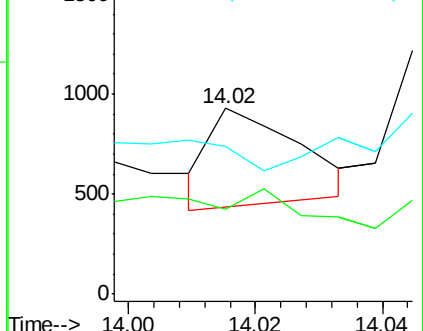
126 79.1 9.3 13.9#

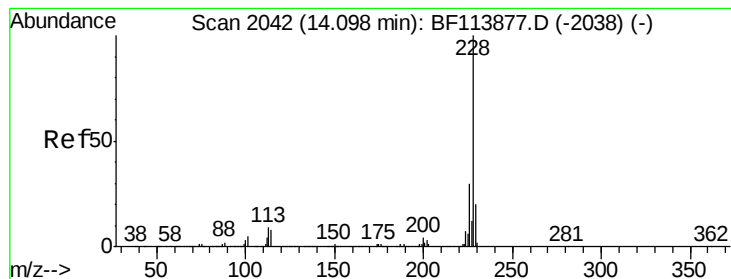


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 1.650 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.05 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

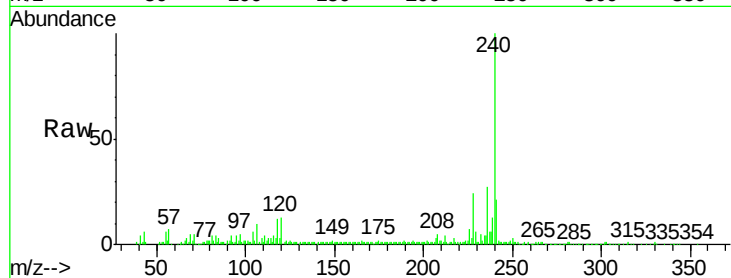
Tot Ion:228 Resp: 33371

Ion Ratio Lower Upper

228 100

226 30.8 25.2 37.8

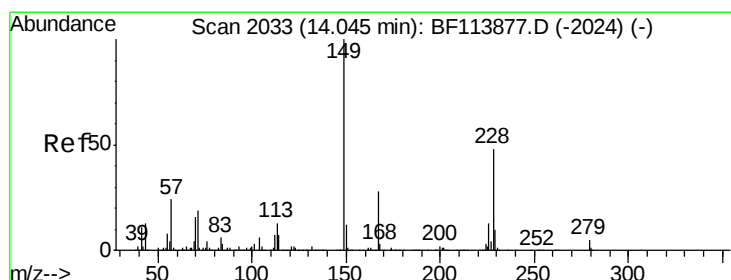
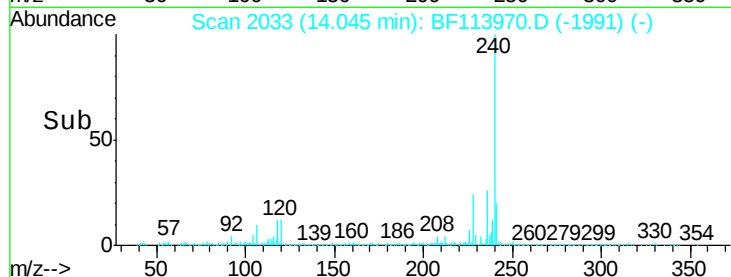
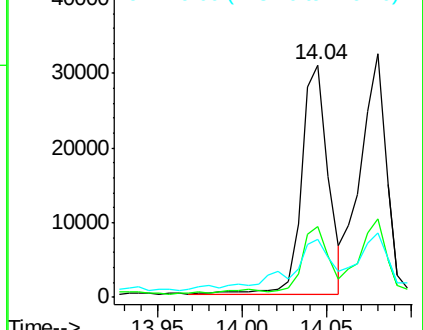
229 25.0 16.7 25.1



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: 0.339 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

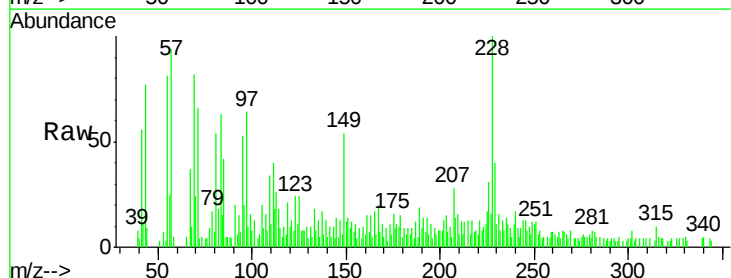
Tgt Ion:149 Resp: 4185

Ion Ratio Lower Upper

149 100

167 37.3 22.9 34.3#

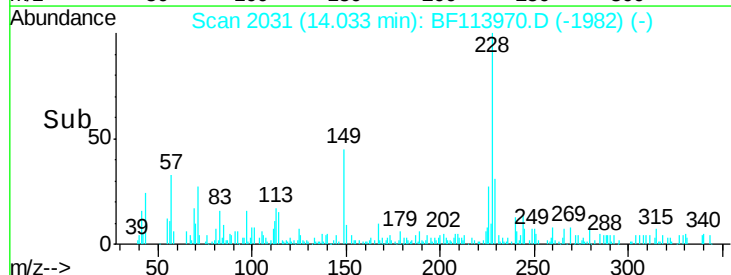
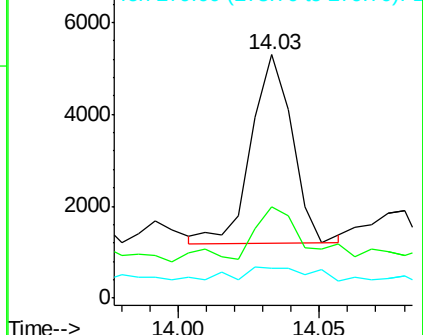
279 12.0 4.2 6.2#

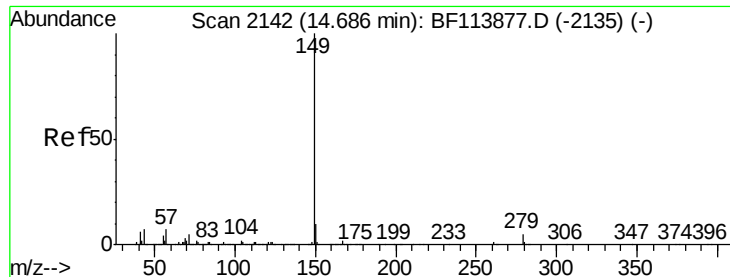


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

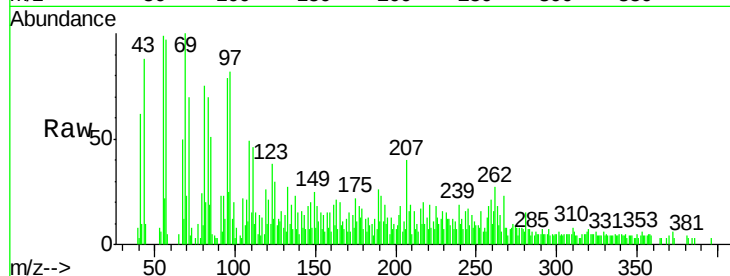




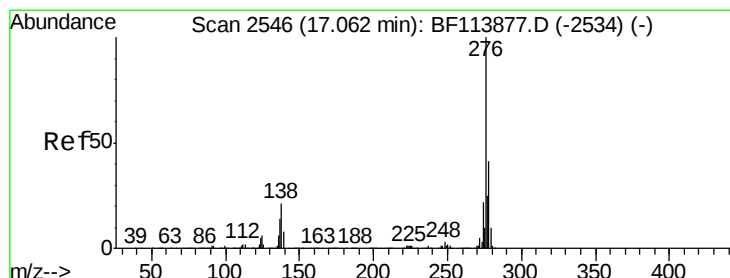
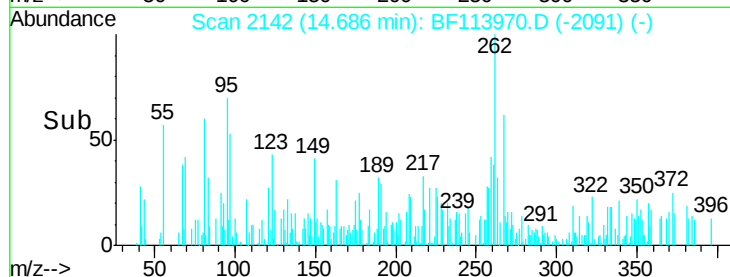
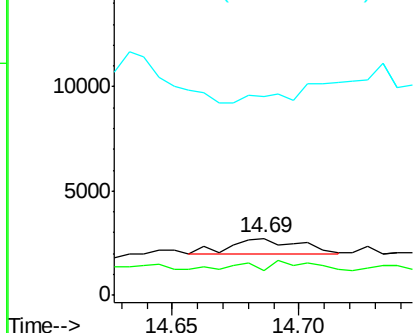
#85
Di-n-octyl phthalate
Concen: 0.071 ng
RT: 14.69 min Scan# 2142
Delta R.T. -0.00 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	22.9	1.3	1.9#
43	0.0	6.6	10.0#

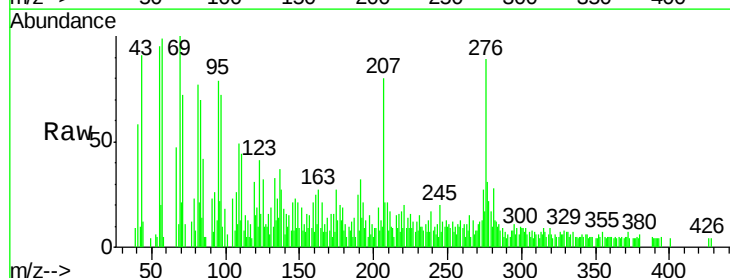


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

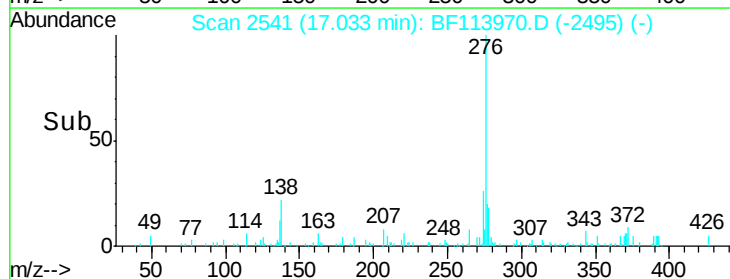
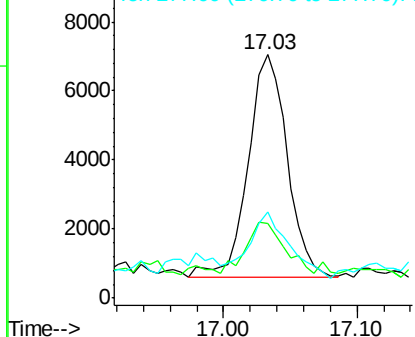


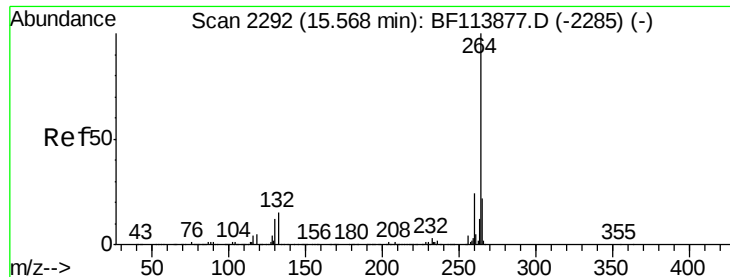
#86
Indeno(1,2,3-cd)pyrene
Concen: 0.676 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.03 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	19.6	29.4
277	31.0	20.2	30.4#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.02 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

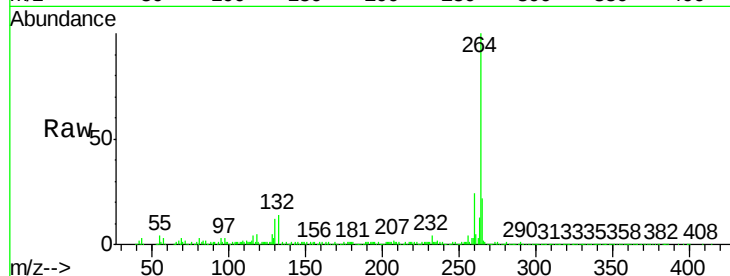
Tot Ion:264 Resp: 378428

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

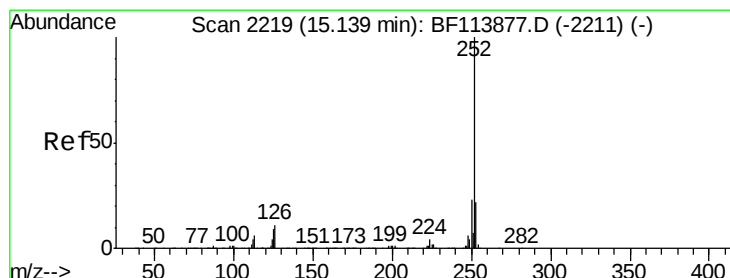
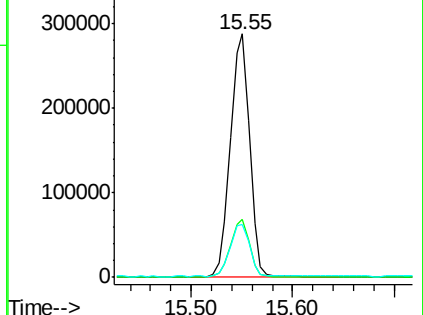
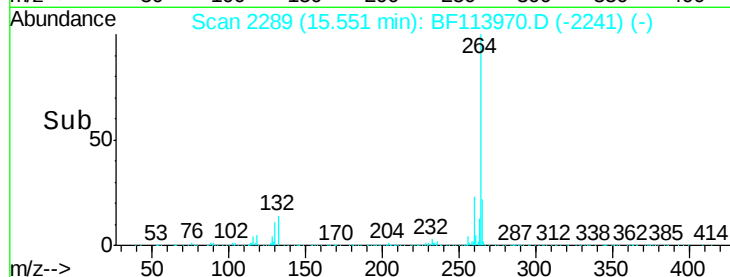
265 21.9 17.3 25.9



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: 2.194 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.03 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

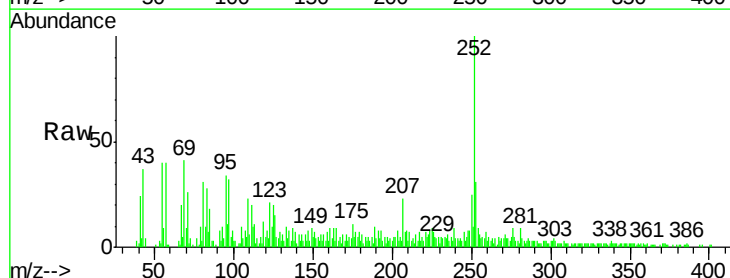
Tgt Ion:252 Resp: 52529

Ion Ratio Lower Upper

252 100

253 31.4 17.8 26.6#

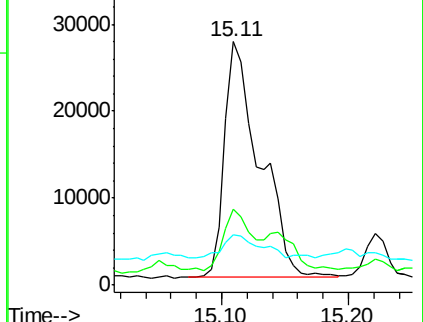
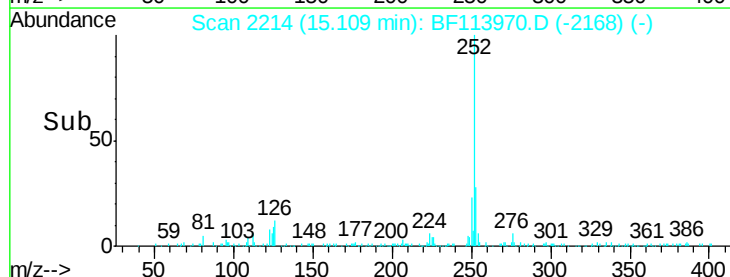
125 20.5 7.0 10.6#

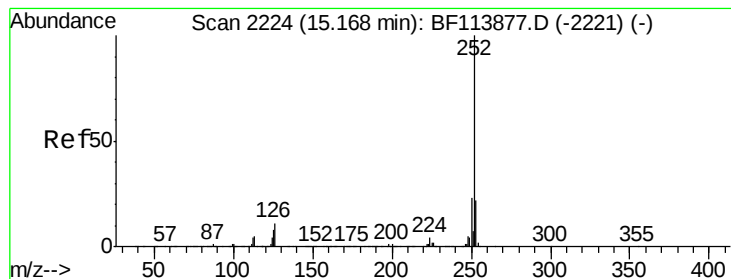


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.551 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.06 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

Instrument :

BNA_F

ClientSampleId :

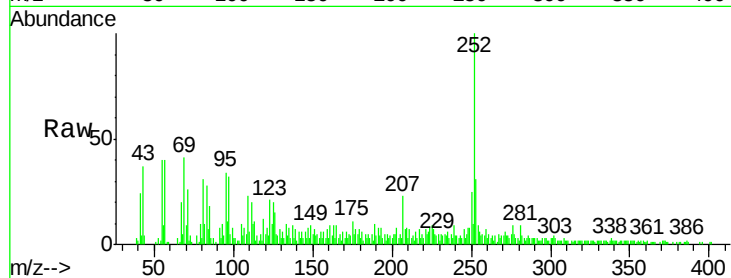
Tot Ion:252 Resp: 52529

Ion Ratio Lower Upper

252 100

253 31.4 18.2 27.2#

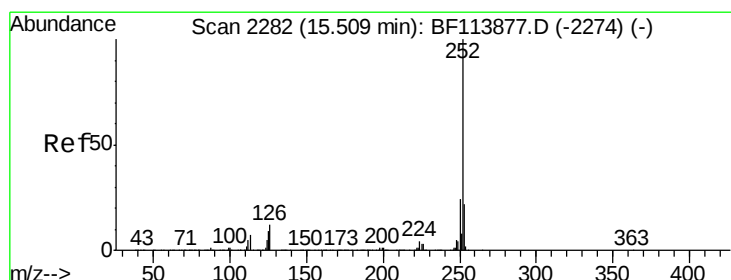
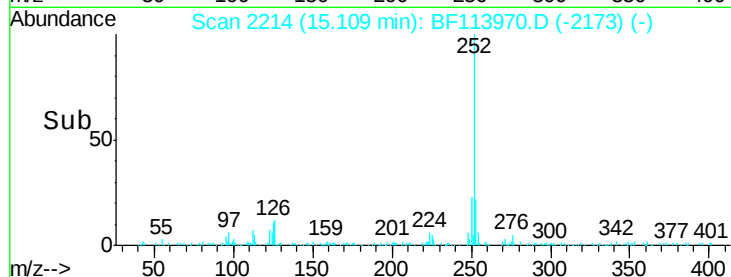
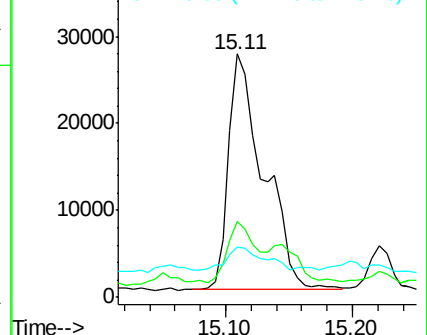
125 20.5 7.4 11.2#



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



#90

Benzo(a)pyrene

Concen: 1.362 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.03 min

Lab File: BF113970.D

Acq: 24 Apr 2019 19:07

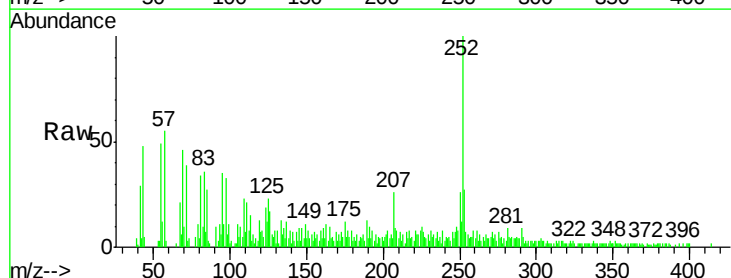
Tgt Ion:252 Resp: 28202

Ion Ratio Lower Upper

252 100

253 27.1 17.5 26.3#

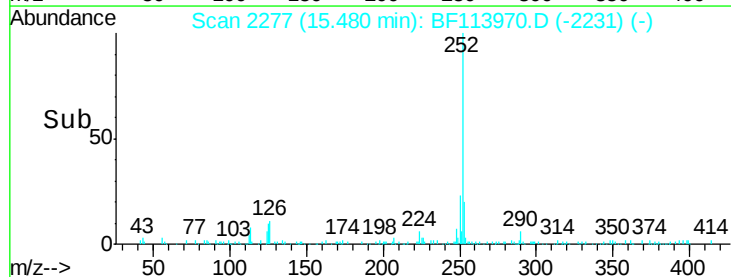
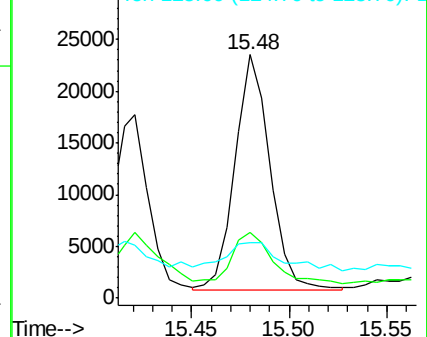
125 22.9 8.5 12.7#

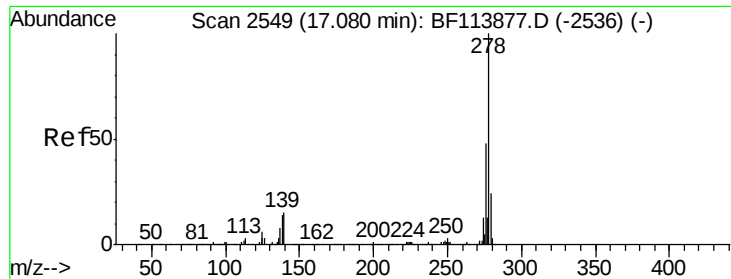


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

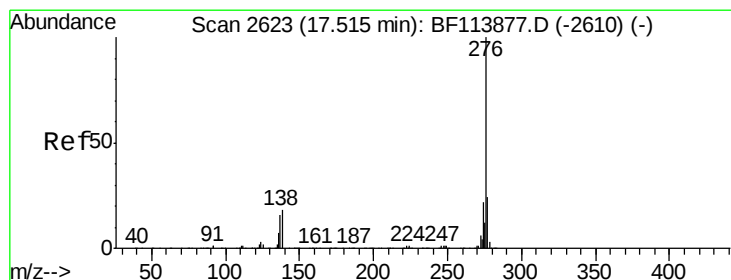
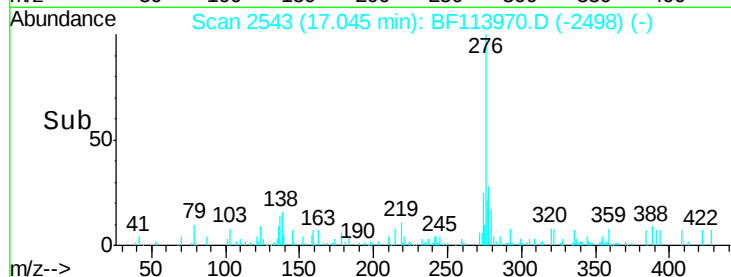
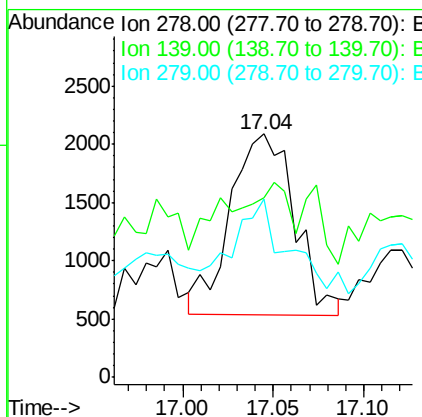
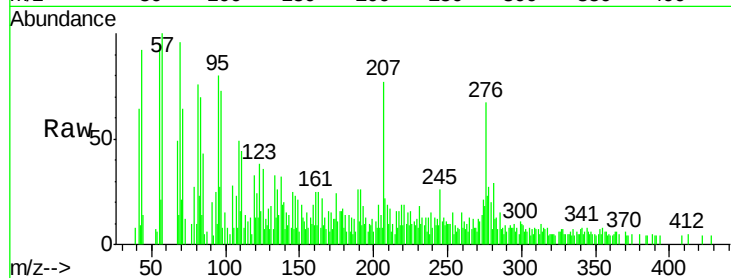




#91
Dibenzo(a,h)anthracene
Concen: 0.197 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.04 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 3831
Ion Ratio Lower Upper
278 100
139 73.9 11.6 17.4#
279 73.1 19.0 28.6#



#92
Benzo(g,h,i)perylene
Concen: 0.643 ng
RT: 17.48 min Scan# 2617
Delta R.T. -0.04 min
Lab File: BF113970.D
Acq: 24 Apr 2019 19:07

Tgt Ion:276 Resp: 12612
Ion Ratio Lower Upper
276 100
277 34.6 19.0 28.4#
138 35.6 16.6 25.0#

