

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
 Data File : BF113971.D
 Acq On : 24 Apr 2019 19:33
 Operator : JU/SJ
 Sample : K2539-03 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 01:26:39 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	6.90	152	118713	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	439953	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	198998	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	359924	20.00	ng	0.00
76) Chrysene-d12	14.06	240	354528	20.00	ng	-0.01
87) Perylene-d12	15.55	264	352163	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	7819	1.13	ng	0.00
7) Phenol-d6	6.51	99	62565	7.18	ng	-0.01
23) Nitrobenzene-d5	7.45	82	47619	6.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	276	0.11	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	107100	8.42	ng	0.00
79) Terphenyl-d14	12.99	244	116447	6.73	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.70	88	141	0.043	ng	# 26
9) Benzaldehyde	6.45	77	285	Below Cal		91
10) Phenol	6.53	94	1142	0.110	ng	# 60
15) Benzyl Alcohol	7.05	79	1023	0.174	ng	# 47
18) Hexachloroethane	7.46	117	184	0.058	ng	# 1
19) n-Nitroso-di-n-propylamine	7.45	70	6077	1.078	ng	# 81
22) Acetophenone	7.29	105	540	0.055	ng	# 58
25) Isophorone	7.45	82	47619	3.266	ng	# 65
31) Naphthalene	8.20	128	3627	0.174	ng	# 96
33) 4-Chloroaniline	8.20	127	496	0.056	ng	# 39
35) Caprolactam	8.60	113	109	0.051	ng	# 5
36) 4-Chloro-3-methylphenol	8.75	107	394	0.059	ng	# 19
37) 2-Methylnaphthalene	8.89	142	2724	0.193	ng	# 98
38) 1-Methylnaphthalene	8.99	142	1914	0.141	ng	# 90
46) 1,1'-Biphenyl	9.35	154	690	0.045	ng	# 68
49) Acenaphthylene	9.79	152	2043	0.106	ng	# 87
50) Dimethylphthalate	9.64	163	11664	0.810	ng	# 100
51) 2,6-Dinitrotoluene	9.93	165	26039	8.433	ng	# 32
52) Acenaphthene	9.96	154	1736	0.152	ng	# 95
55) Dibenzofuran	10.14	168	2370	0.138	ng	# 99
56) 4-Nitrophenol	10.14	139	785	0.306	ng	# 12
57) 2,4-Dinitrotoluene	9.93	165	26039	6.681	ng	# 28
58) Fluorene	10.48	166	3377	0.262	ng	# 96
63) Azobenzene	10.63	77	134	0.010	ng	# 14
66) n-Nitrosodiphenylamine	10.59	169	1219	0.113	ng	# 75
71) Phenanthrene	11.44	178	34254	1.894	ng	# 97
72) Anthracene	11.49	178	7297	0.399	ng	# 96
73) Carbazole	11.65	167	3790	0.233	ng	# 90
74) Di-n-butylphthalate	11.97	149	1414	0.074	ng	# 77
75) Fluoranthene	12.63	202	53281	2.700	ng	# 97
77) Benzdine	12.73	184	113	0.011	ng	# 1
78) Pyrene	12.86	202	51718	2.086	ng	# 97
80) Butylbenzylphthalate	13.44	149	1003	0.103	ng	# 46
81) Benzo(a)anthracene	14.04	228	25617	1.226	ng	# 90

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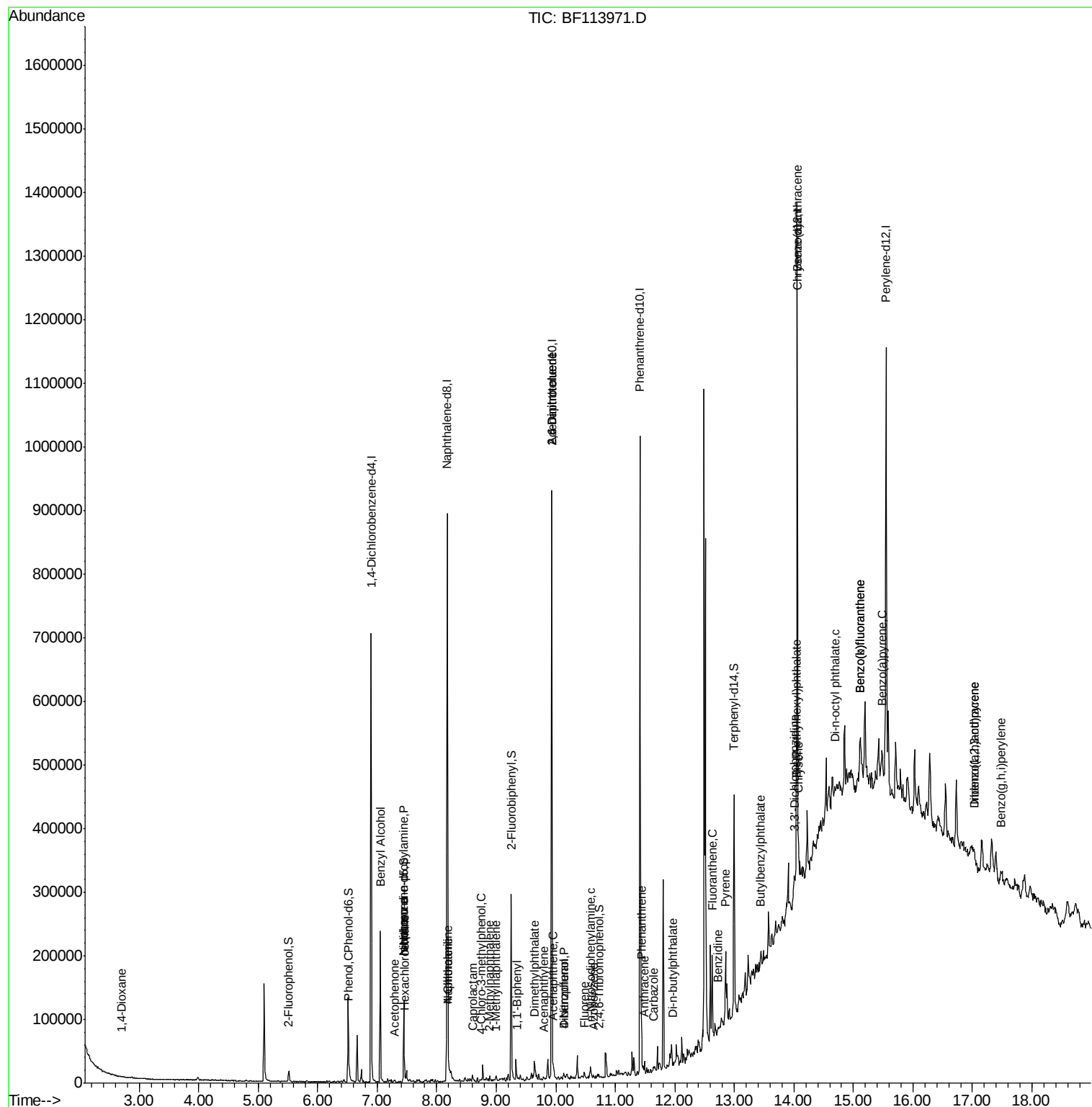
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 3,3'-Dichlorobenzidine	14.02	252	273	0.036	nq	# 66
83) Chrysene	14.08	228	29944	1.472	nq	# 95
84) Bis(2-ethylhexyl)phthalate	14.03	149	4046	0.326	nq	# 82
85) Di-n-octyl phthalate	14.70	149	1670	0.086	nq	# 65
86) Indeno(1,2,3-cd)pyrene	17.03	276	11156	0.579	nq	# 90
88) Benzo(b)fluoranthene	15.12	252	43117	1.935	nq	# 76
89) Benzo(k)fluoranthene	15.12	252	43117	2.250	nq	# 77
90) Benzo(a)pyrene	15.48	252	21672	1.125	nq	# 70
91) Dibenzo(a,h)anthracene	17.04	278	3787	0.209	nq	# 1
92) Benzo(a,h,i)perylene	17.49	276	10727	0.588	nq	# 71

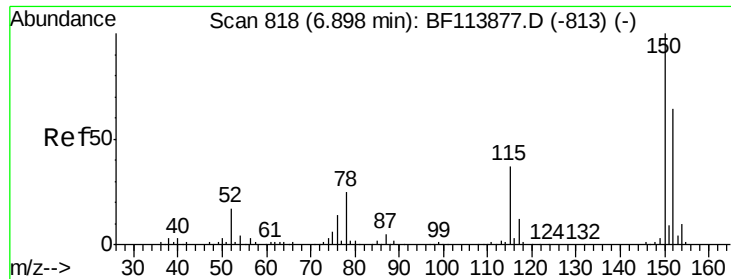
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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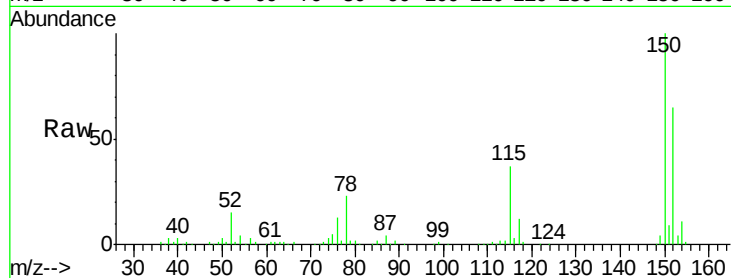


#1

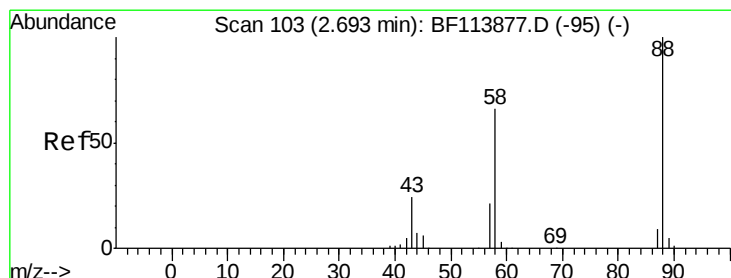
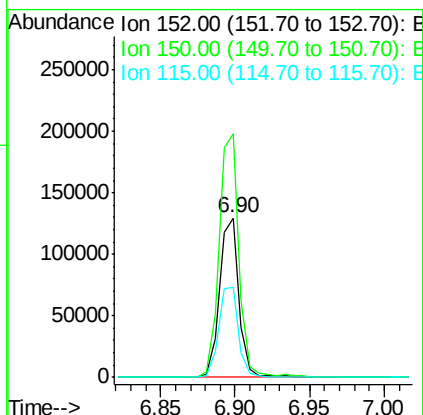
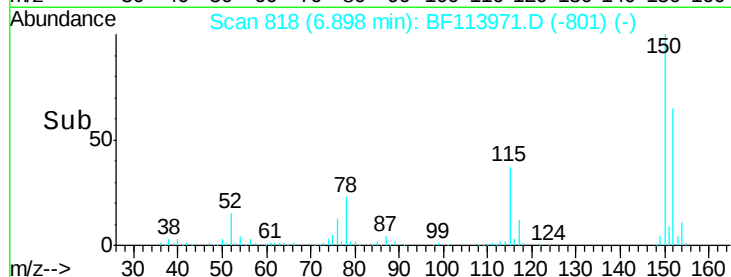
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113971.D
Acq: 24 Apr 2019 19:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118713
Ion Ratio Lower Upper
152 100
150 152.7 125.9 188.9
115 56.9 45.9 68.9



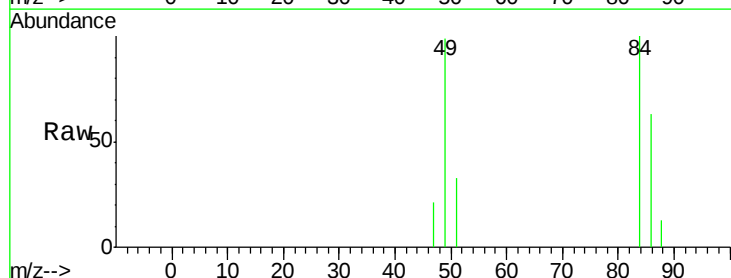
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



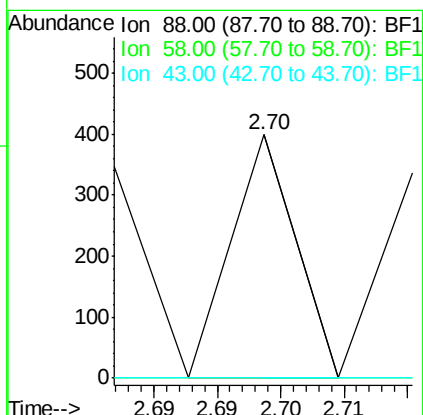
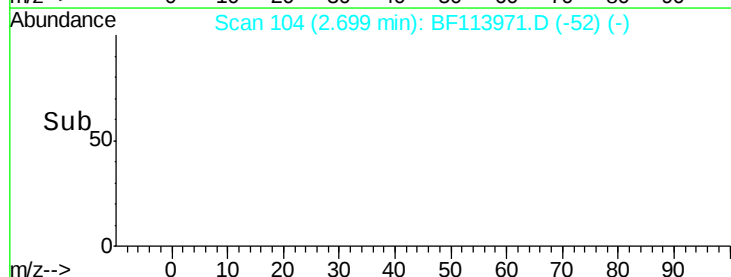
#2

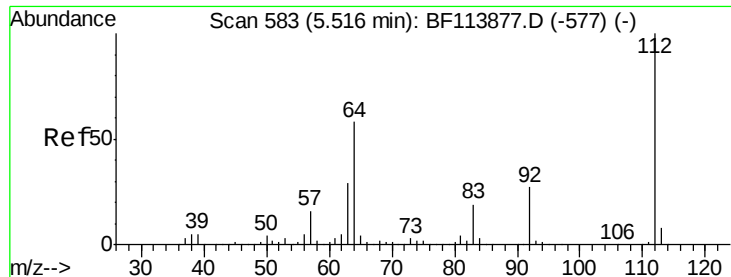
1,4-Dioxane
Concen: 0.043 ng
RT: 2.70 min Scan# 104
Delta R.T. 0.01 min
Lab File: BF113971.D
Acq: 24 Apr 2019 19:33

Tgt Ion: 88 Resp: 141
Ion Ratio Lower Upper
88 100
58 0.0 53.3 79.9#
43 0.0 19.0 28.4#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 1.127 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.00 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampled :

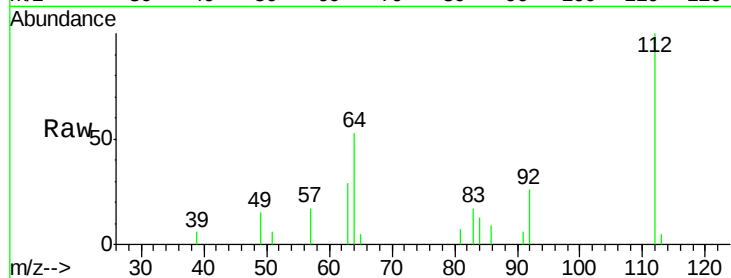
Tot Ion: 112 Resp: 7819

Ion Ratio Lower Upper

112 100

64 52.7 46.6 69.8

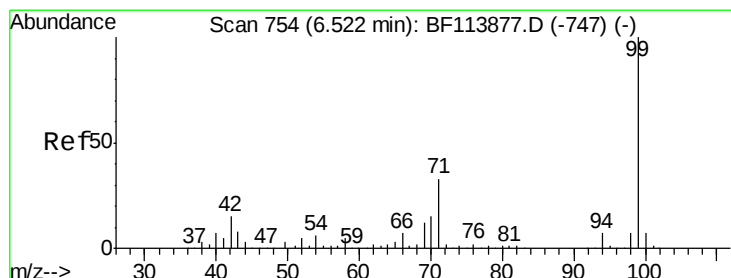
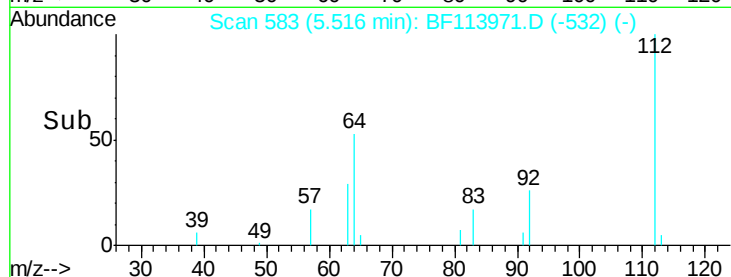
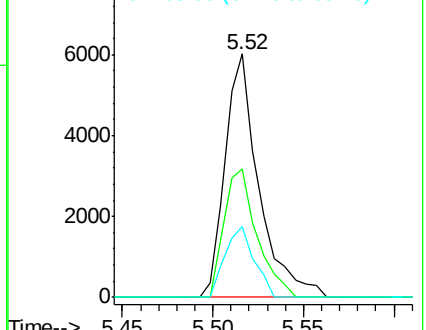
63 29.0 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 7.185 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

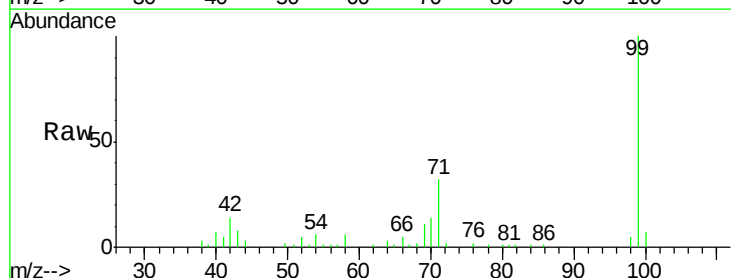
Tgt Ion: 99 Resp: 62565

Ion Ratio Lower Upper

99 100

42 14.1 12.5 18.7

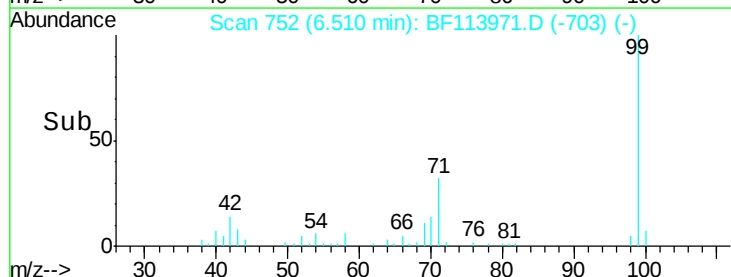
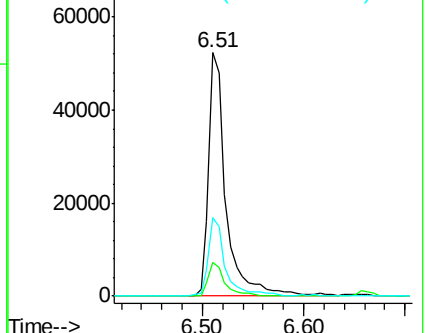
71 32.2 26.9 40.3

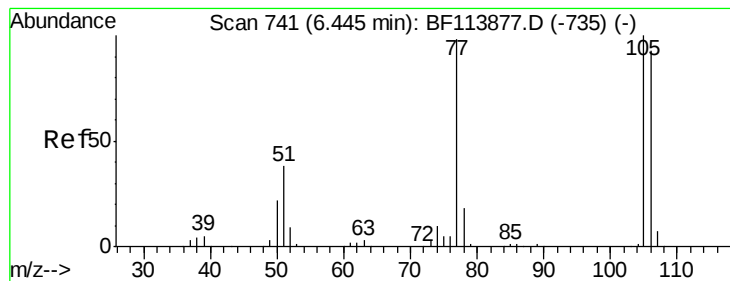


Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

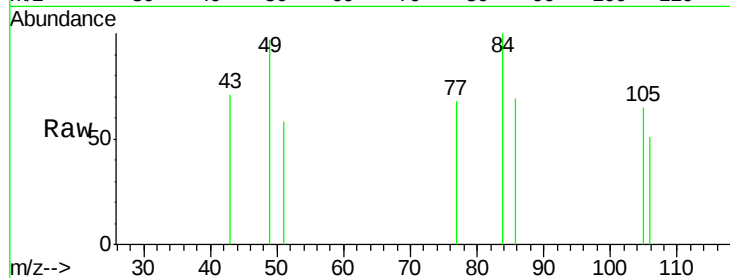
Tot Ion: 77 Resp: 285

Ion Ratio Lower Upper

77 100

105 96.2 74.1 114.1

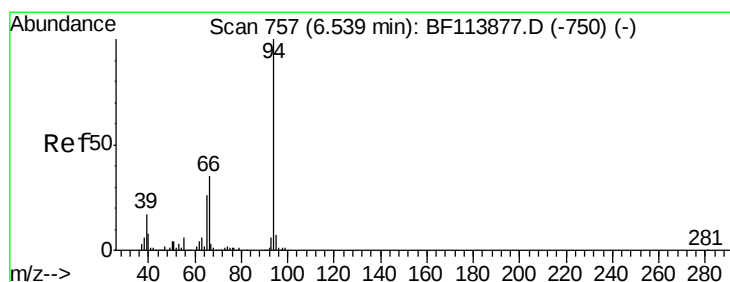
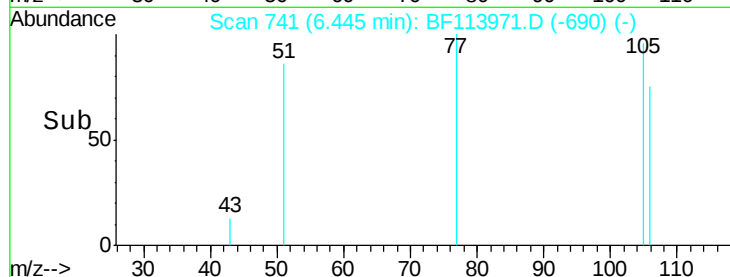
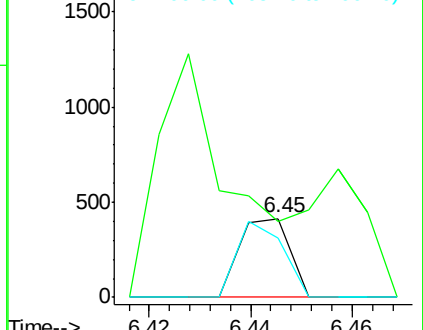
106 75.0 70.3 110.3



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: 0.110 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

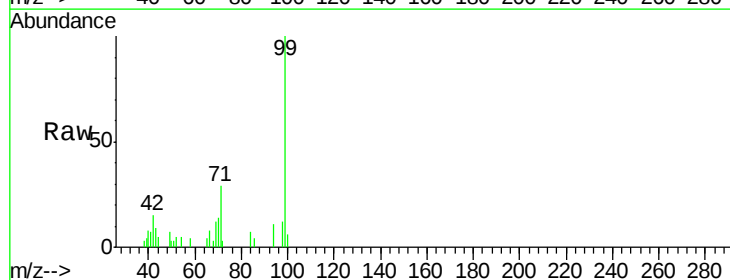
Tgt Ion: 94 Resp: 1142

Ion Ratio Lower Upper

94 100

65 35.3 8.1 48.1

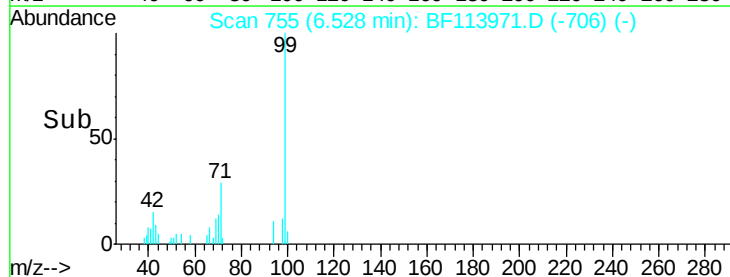
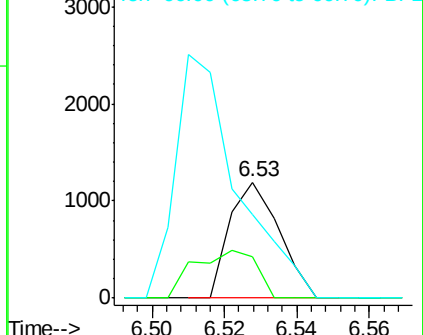
66 71.8 16.6 56.6#

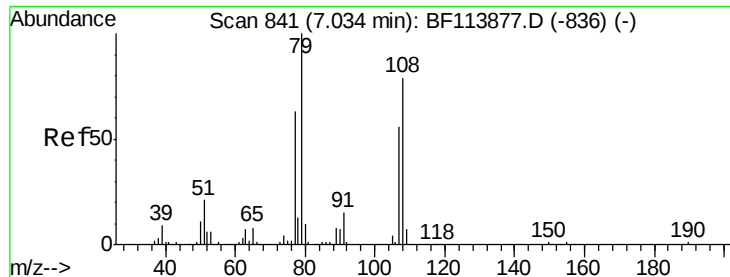


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 0.174 ng

RT: 7.05 min Scan# 844

Delta R.T. 0.02 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampled :

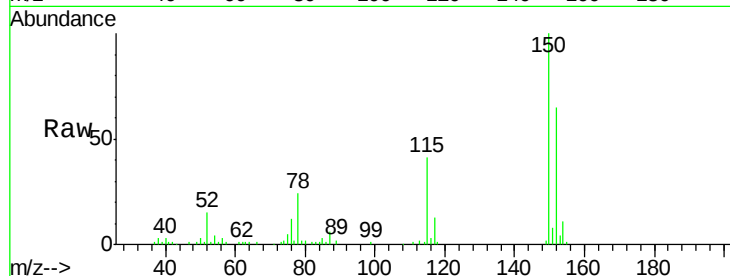
Tot Ion: 79 Resp: 1023

Ion Ratio Lower Upper

79 100

108 29.5 61.4 92.0#

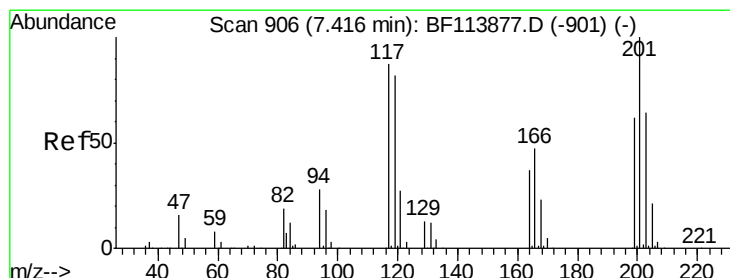
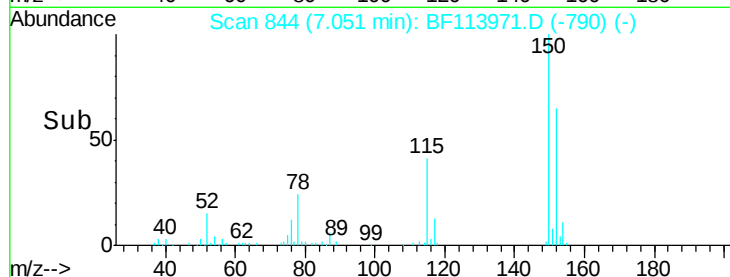
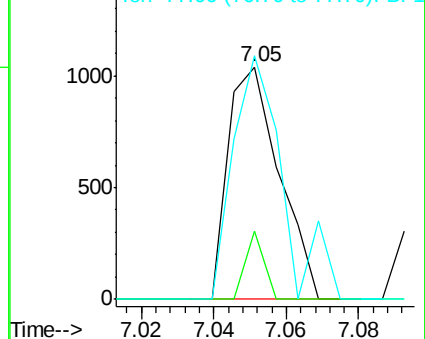
77 104.7 51.6 77.4#



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



#18

Hexachloroethane

Concen: 0.058 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.05 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

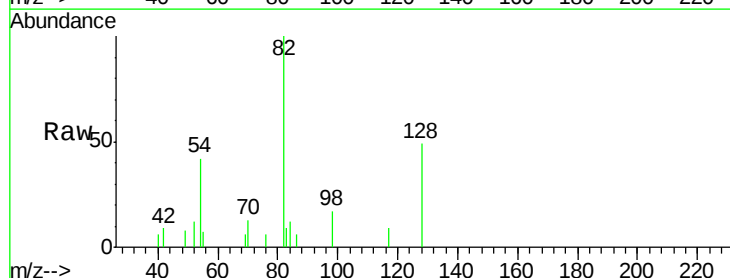
Tgt Ion: 117 Resp: 184

Ion Ratio Lower Upper

117 100

119 0.0 74.4 111.6#

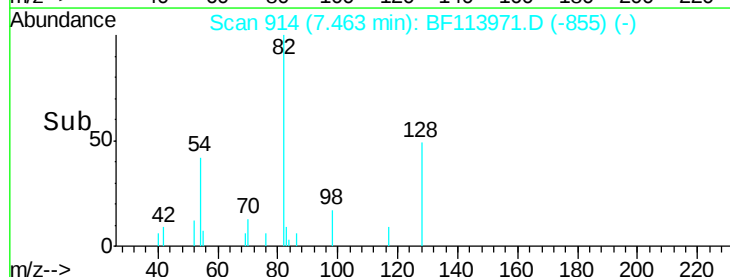
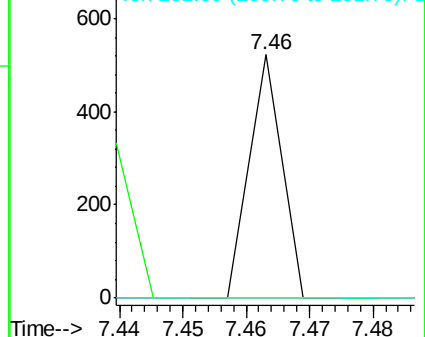
201 0.0 90.2 135.2#

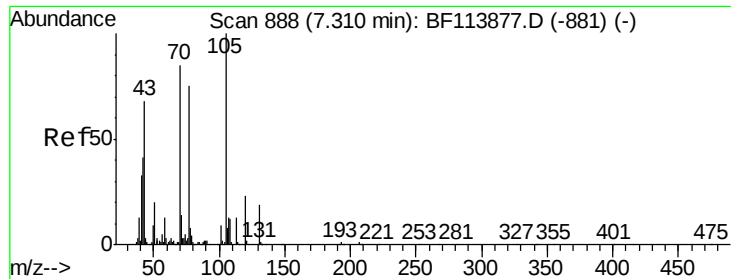


Abundance Ion 117.00 (116.70 to 117.70): BF1

Ion 119.00 (118.70 to 119.70): BF1

Ion 201.00 (200.70 to 201.70): BF1

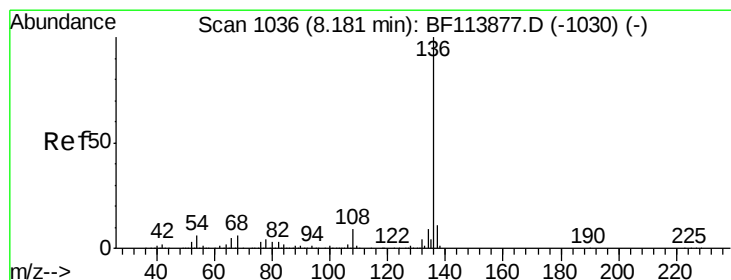
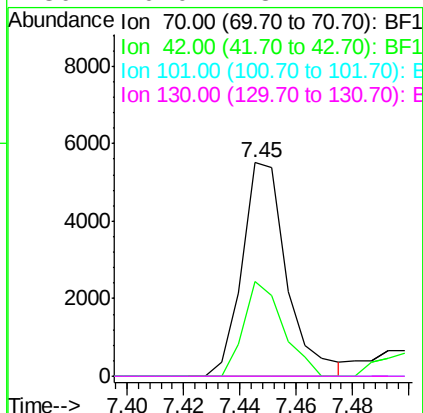
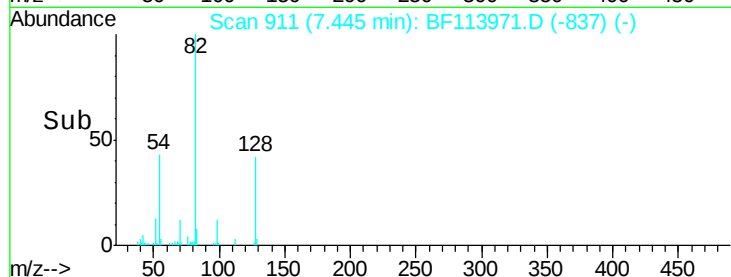
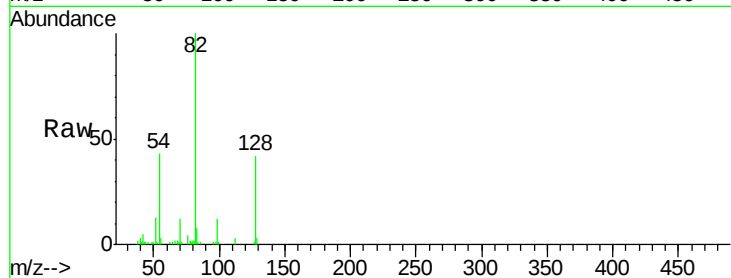




#19
n-Nitroso-di-n-propylamine
Concen: 1.078 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF113971.D
Acq: 24 Apr 2019 19:33

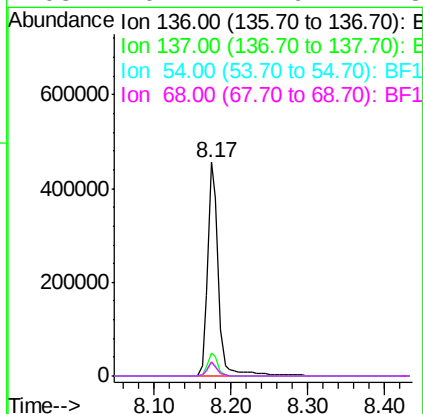
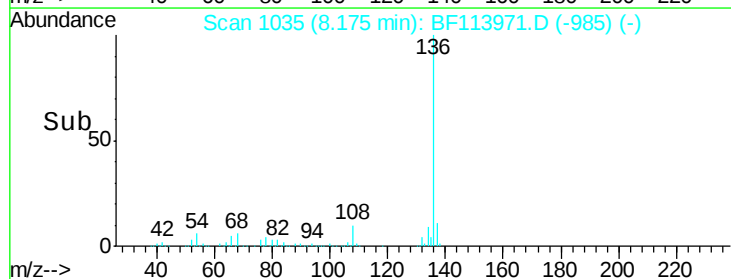
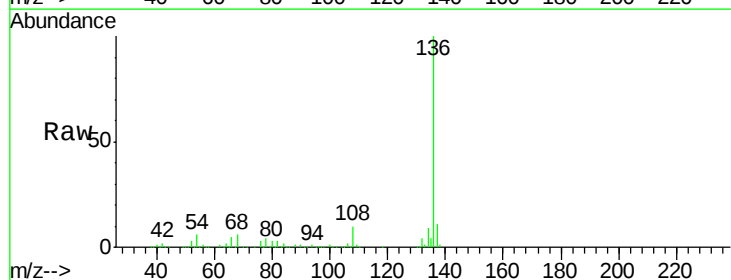
Instrument :
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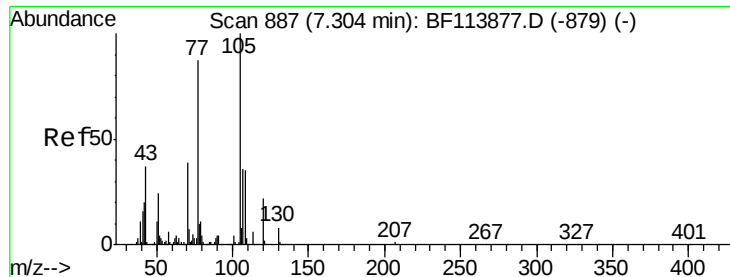
Tot Ion: 70 Resp: 6077
Ion Ratio Lower Upper
70 100
42 44.1 37.3 55.9
101 0.0 7.8 11.8#
130 0.0 18.2 27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113971.D
Acq: 24 Apr 2019 19:33

Tgt Ion: 136 Resp: 439953
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 6.5 5.0 7.6
68 6.4 4.9 7.3





#22

Acetophenone

Concen: 0.055 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF113971.D

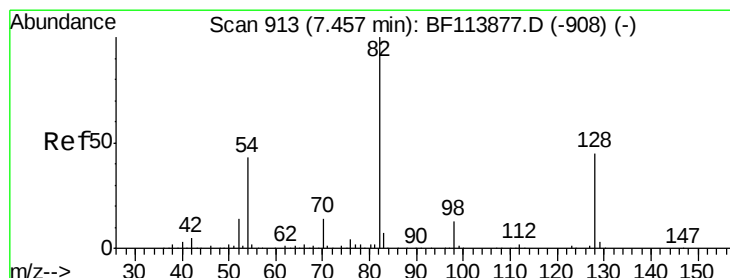
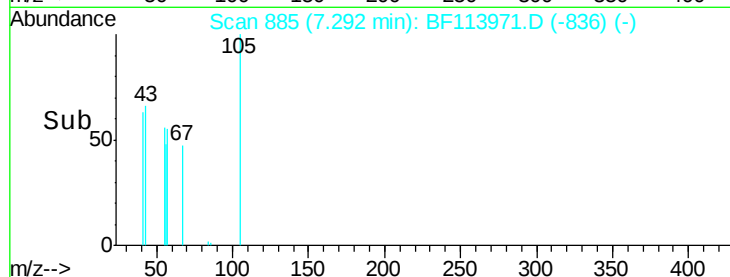
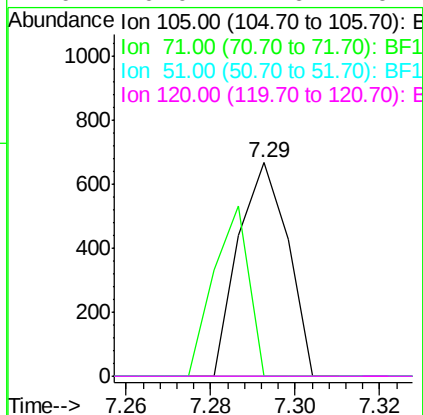
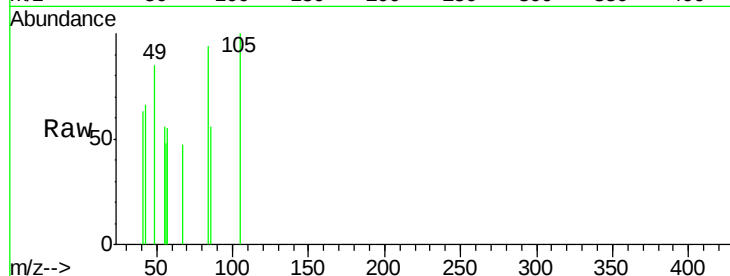
Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	105	Resp:	540
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#



#23

Nitrobenzene-d5

Concen: 6.683 ng

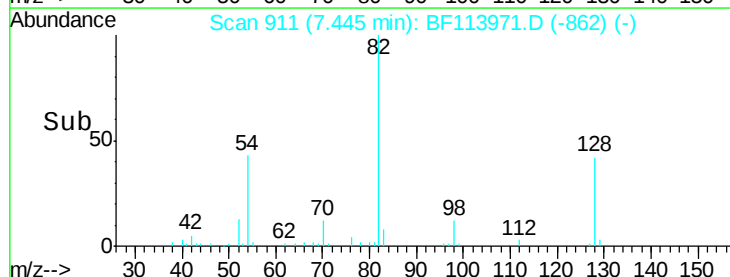
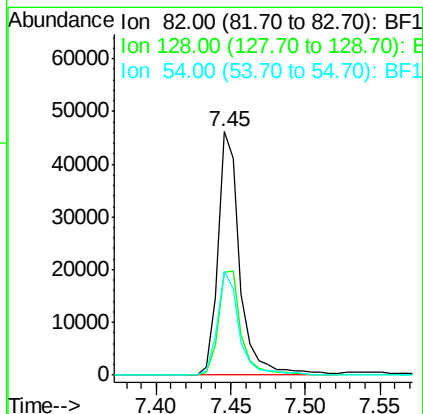
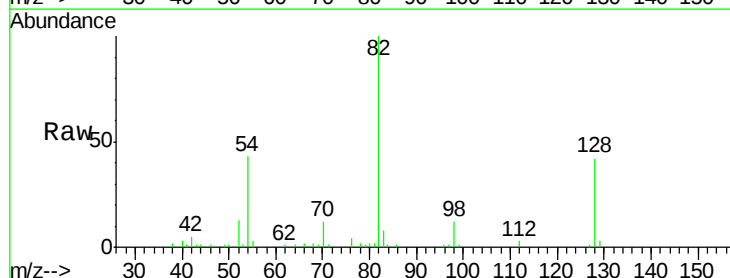
RT: 7.45 min Scan# 911

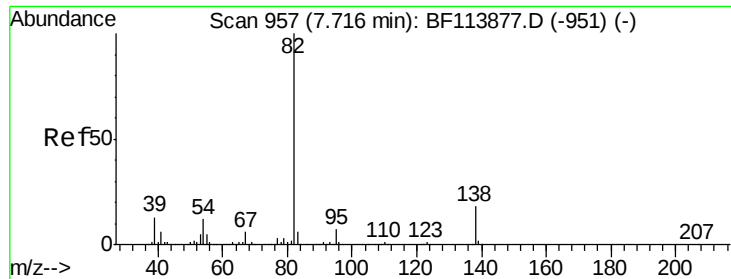
Delta R.T. -0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Tgt Ion:	82	Resp:	47619
Ion	Ratio	Lower	Upper
82	100		
128	42.2	36.8	55.2
54	42.9	33.8	50.6





#25

Isophorone

Concen: 3.266 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

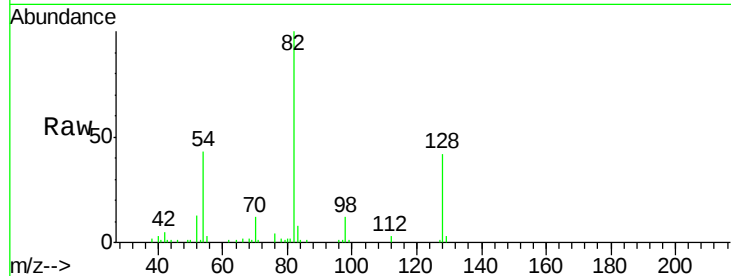
Tot Ion: 82 Resp: 47619

Ion Ratio Lower Upper

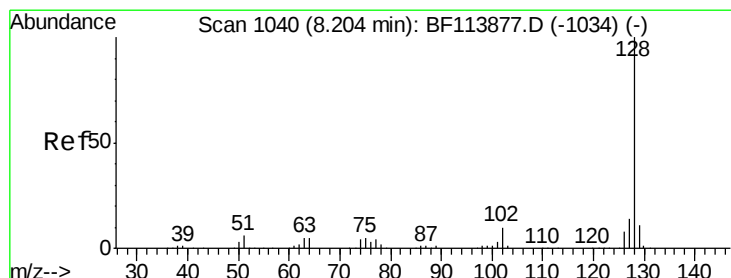
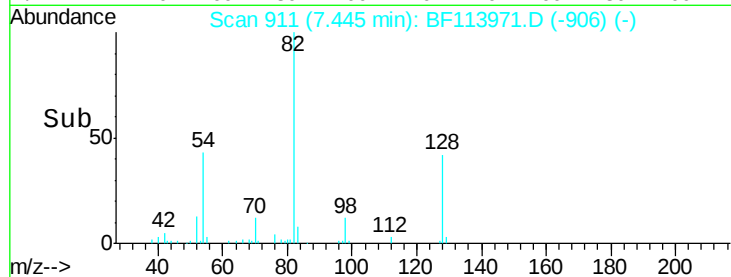
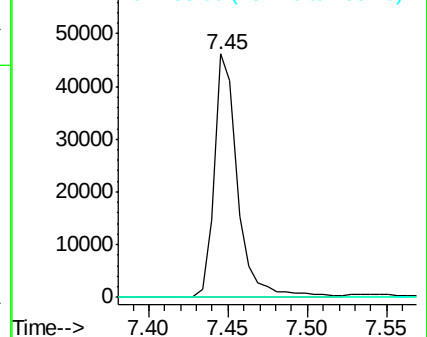
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



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



#31

Naphthalene

Concen: 0.174 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

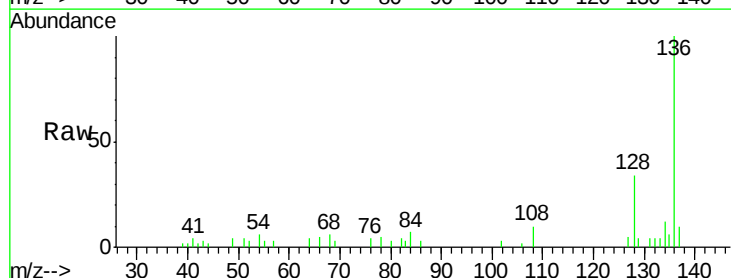
Tgt Ion: 128 Resp: 3627

Ion Ratio Lower Upper

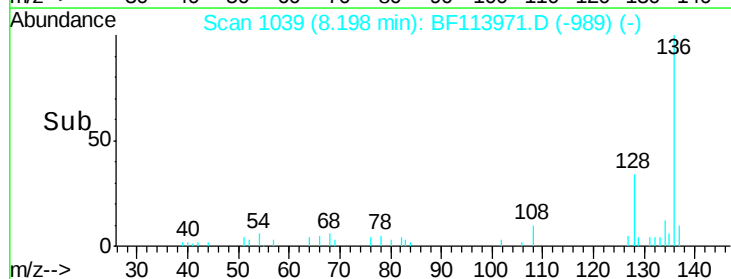
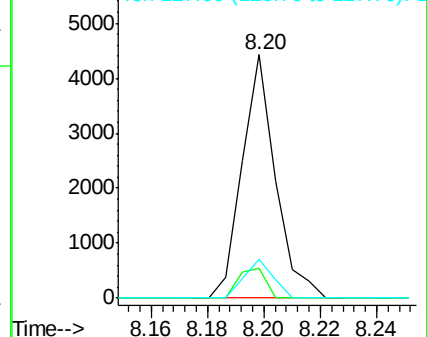
128 100

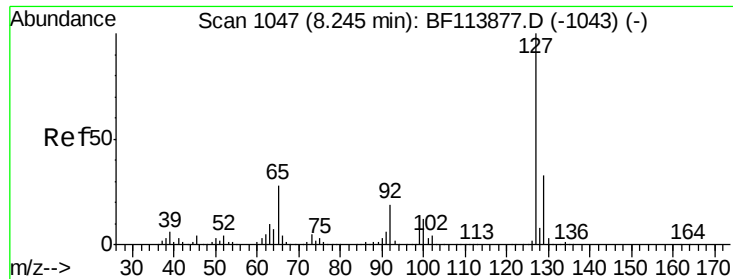
129 12.2 9.4 14.0

127 16.2 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

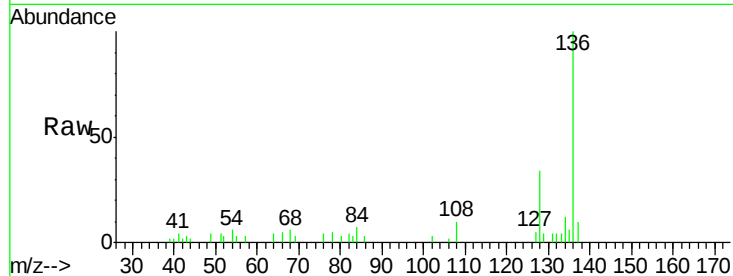




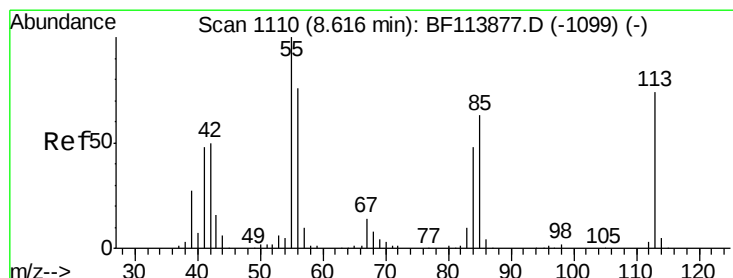
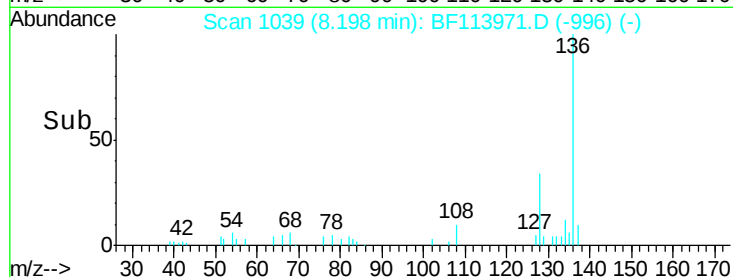
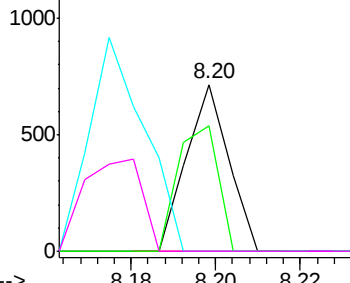
#33
4-Chloroaniline
Concen: 0.056 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF113971.D
Acq: 24 Apr 2019 19:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127	Resp:	496
Ion Ratio	Lower	Upper
127	100	
129	75.4	26.4 39.6#
65	0.0	24.9 37.3#
92	0.0	15.9 23.9#

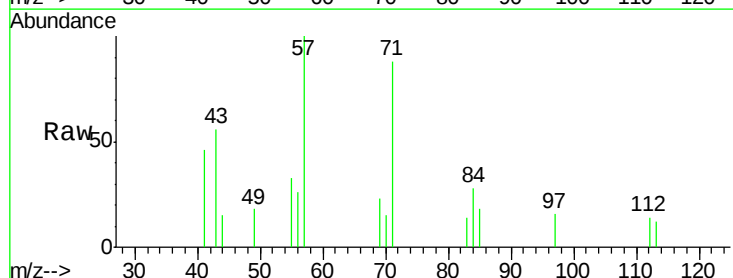


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

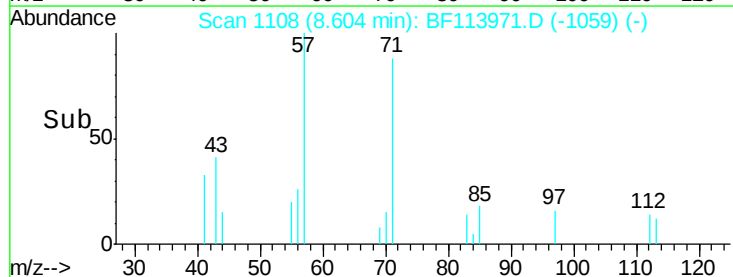
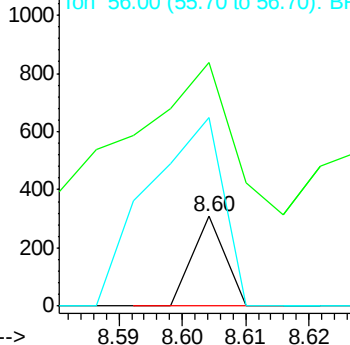


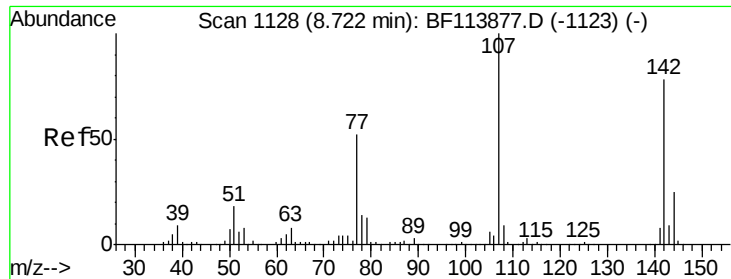
#35
Caprolactam
Concen: 0.051 ng
RT: 8.60 min Scan# 1108
Delta R.T. -0.01 min
Lab File: BF113971.D
Acq: 24 Apr 2019 19:33

Tgt Ion:113	Resp:	109
Ion Ratio	Lower	Upper
113	100	
55	271.8	128.6 168.6#
56	210.1	91.9 131.9#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

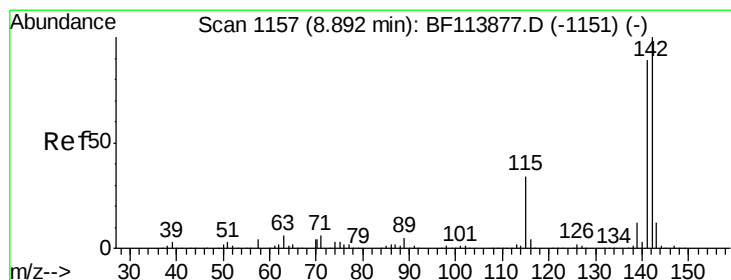
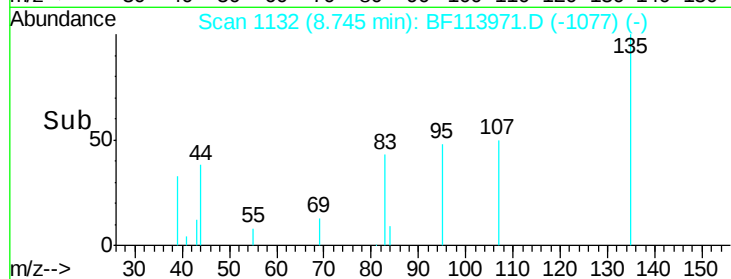
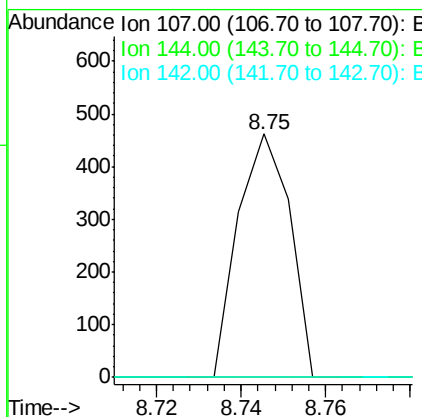
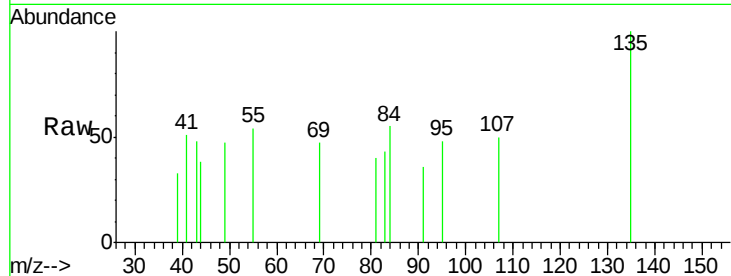




#36
 4-Chloro-3-methylphenol
 Concen: 0.059 ng
 RT: 8.75 min Scan# 1132
 Delta R.T. 0.02 min
 Lab File: BF113971.D
 Acq: 24 Apr 2019 19:33

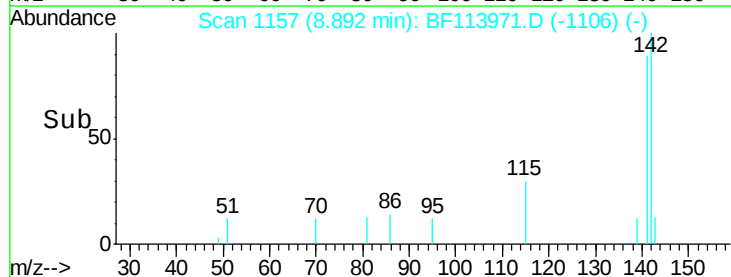
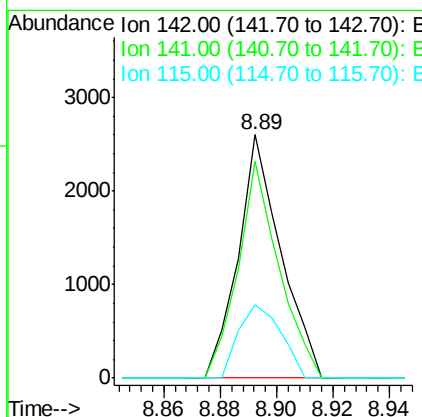
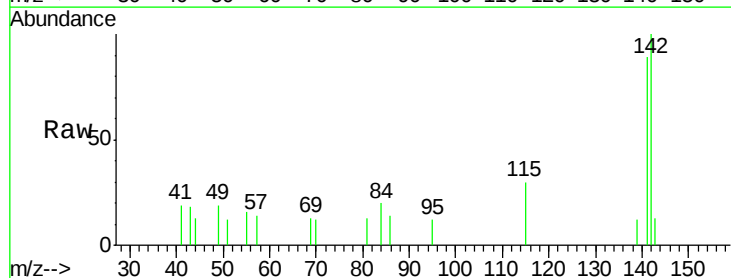
Instrument :
 BNA_F
 ClientSampleId :

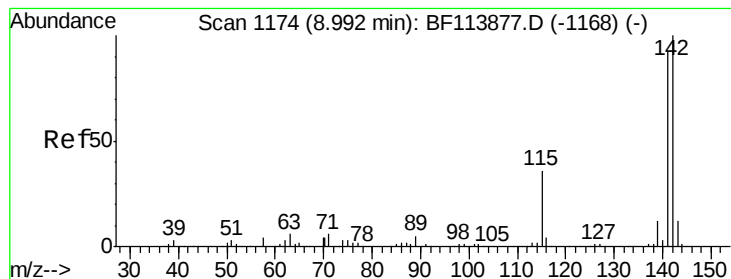
Tot Ion:107 Resp: 394
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.5 30.7#
 142 0.0 64.2 96.4#



#37
 2-Methylnaphthalene
 Concen: 0.193 ng
 RT: 8.89 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BF113971.D
 Acq: 24 Apr 2019 19:33

Tgt Ion:142 Resp: 2724
 Ion Ratio Lower Upper
 142 100
 141 89.3 70.4 105.6
 115 30.1 26.3 39.5





#38

1-Methylnaphthalene

Concen: 0.141 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

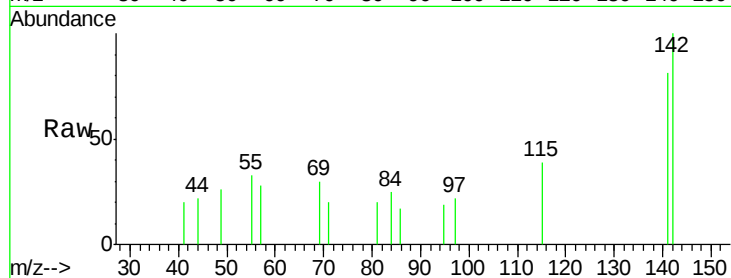
Tot Ion:142 Resp: 1914

Ion Ratio Lower Upper

142 100

141 80.5 72.3 108.5

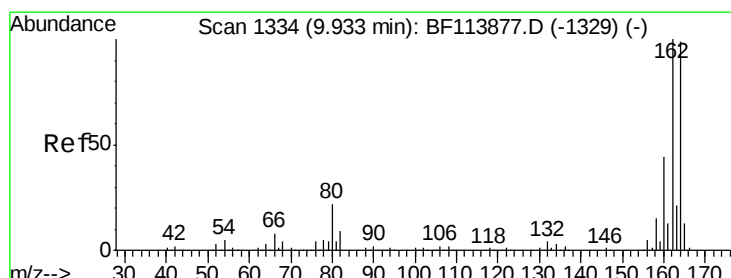
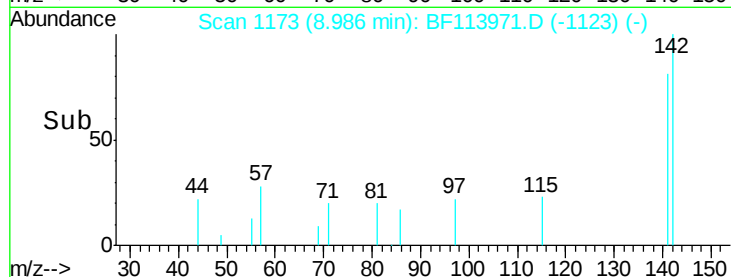
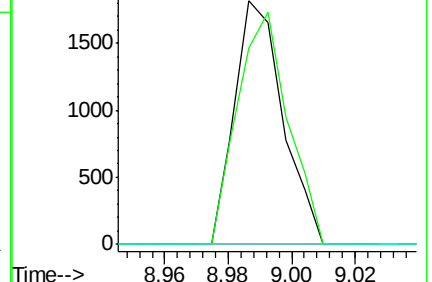
116 0.0 3.0 4.4#



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: BF113971.D

Acq: 24 Apr 2019 19:33

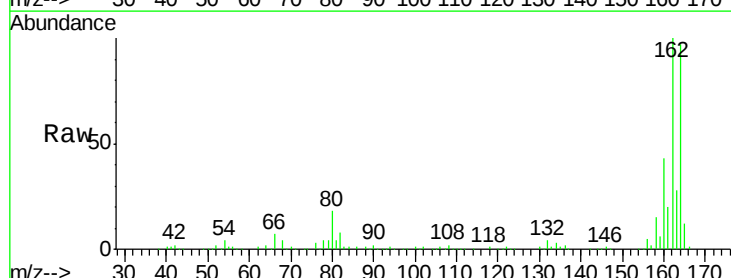
Tgt Ion:164 Resp: 198998

Ion Ratio Lower Upper

164 100

162 103.6 81.1 121.7

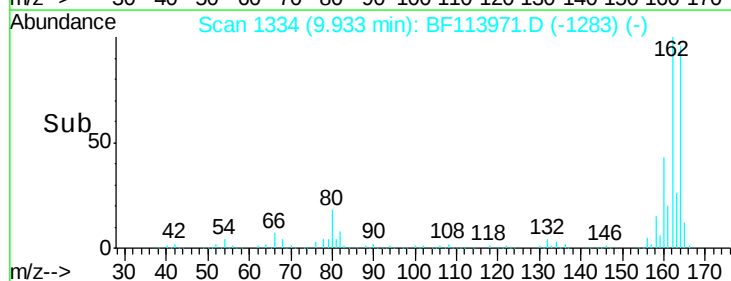
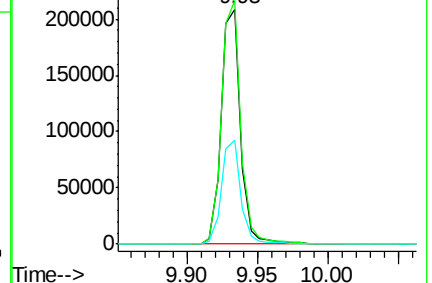
160 44.2 35.8 53.6

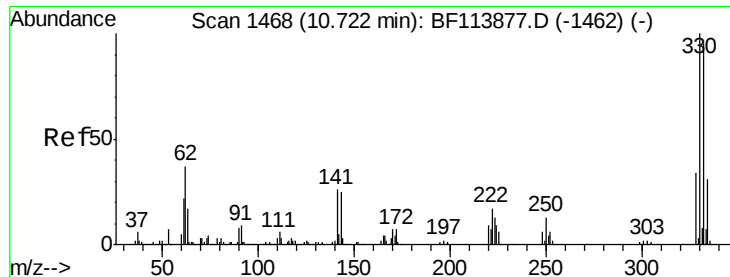


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

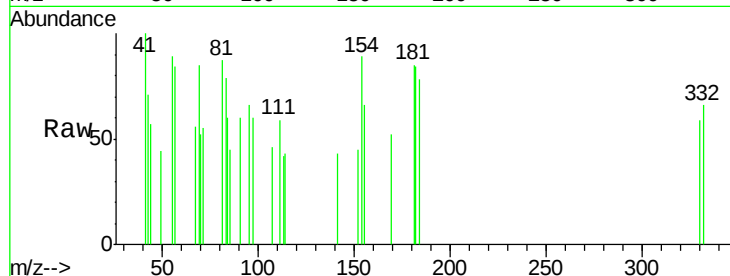




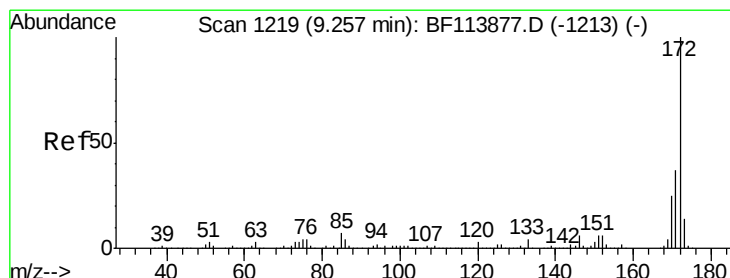
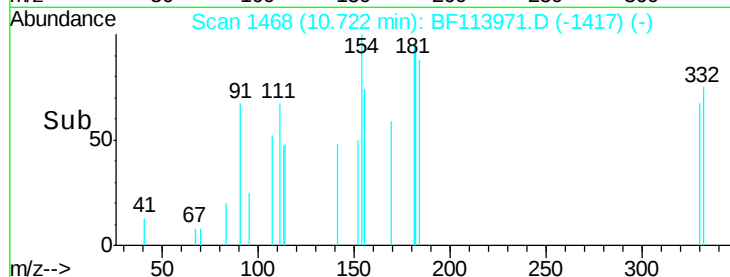
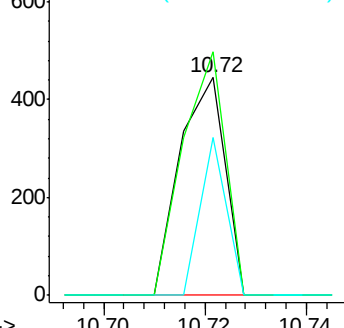
#42
 2,4,6-Tribromophenol
 Concen: 0.114 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF113971.D
 Acq: 24 Apr 2019 19:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 276
 Ion Ratio Lower Upper
 330 100
 332 104.7 77.5 116.3
 141 41.3 22.2 33.2#

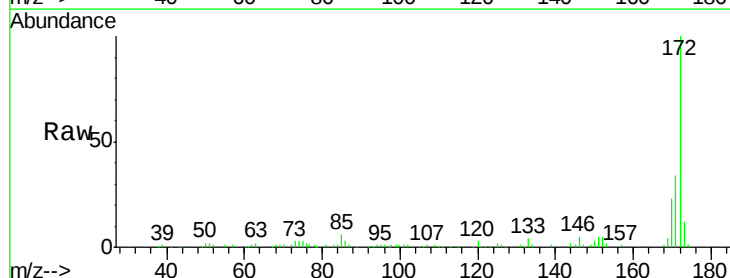


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

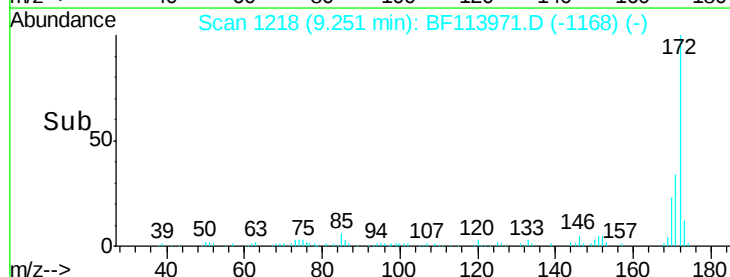
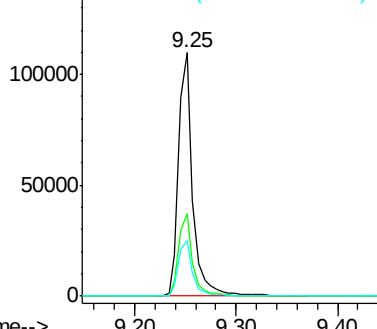


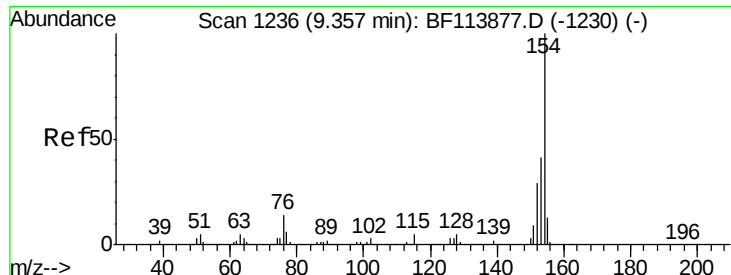
#45
 2-Fluorobiphenyl
 Concen: 8.418 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113971.D
 Acq: 24 Apr 2019 19:33

Tgt Ion:172 Resp: 107100
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.4 44.0
 170 22.9 19.9 29.9



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: 0.045 ng

RT: 9.35 min Scan# 1235

Delta R.T. -0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

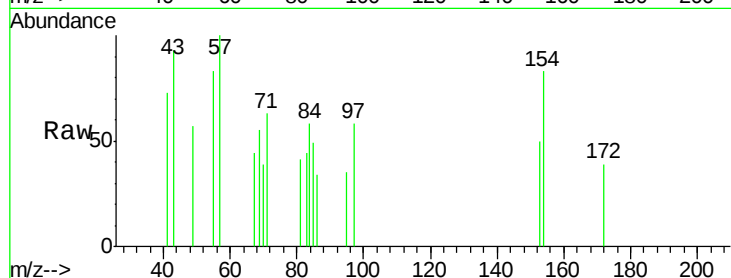
Tot Ion:154 Resp: 690

Ion Ratio Lower Upper

154 100

153 60.1 20.8 60.8

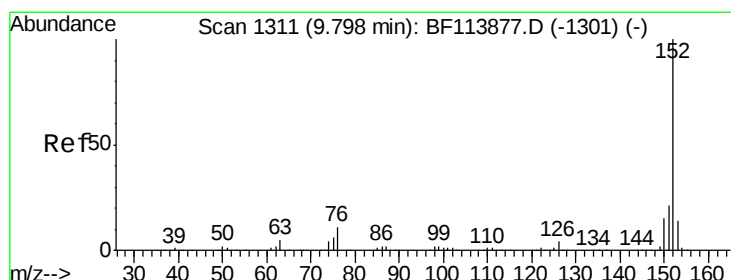
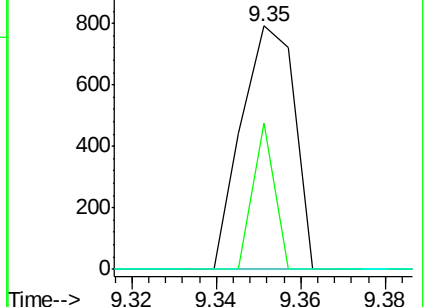
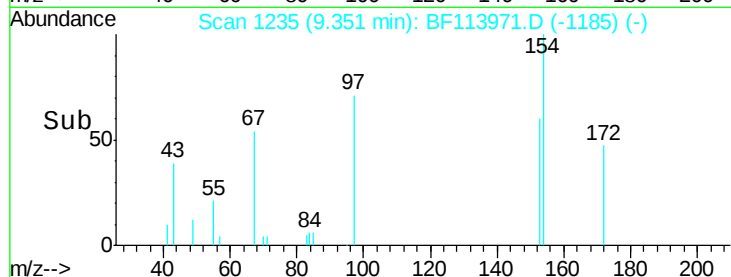
76 0.0 0.0 35.2



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: 0.106 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

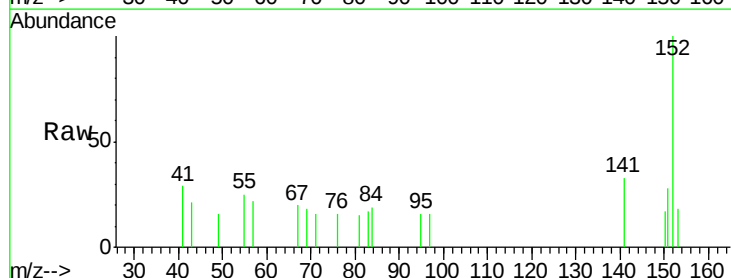
Tgt Ion:152 Resp: 2043

Ion Ratio Lower Upper

152 100

151 28.4 17.0 25.4#

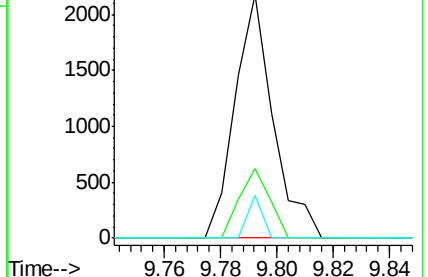
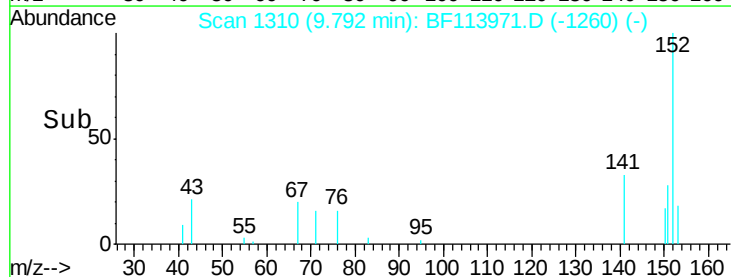
153 17.6 11.0 16.6#

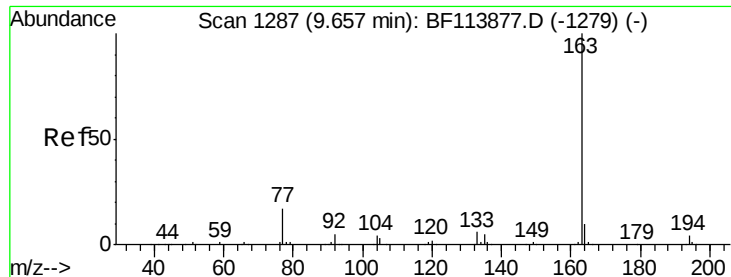


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 0.810 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

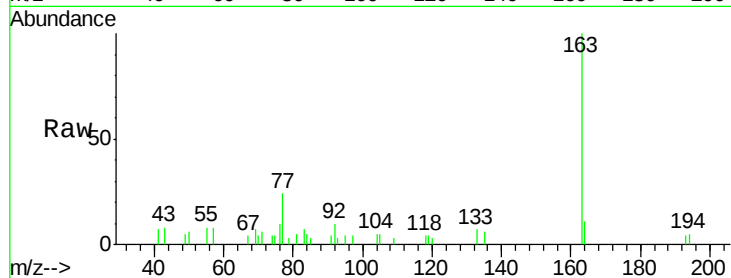
Tot Ion:163 Resp: 11664

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

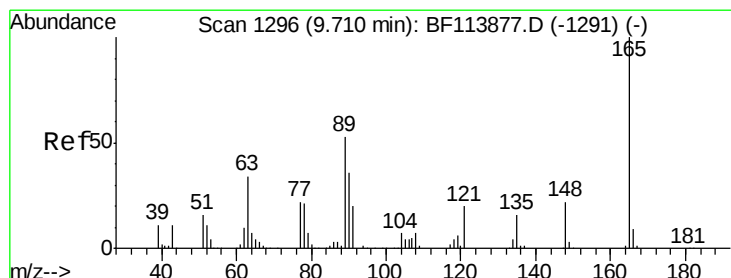
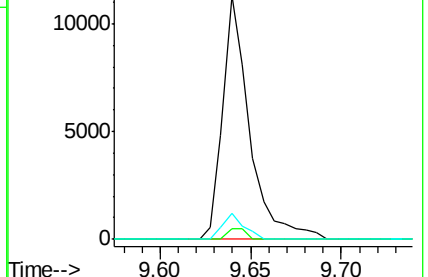
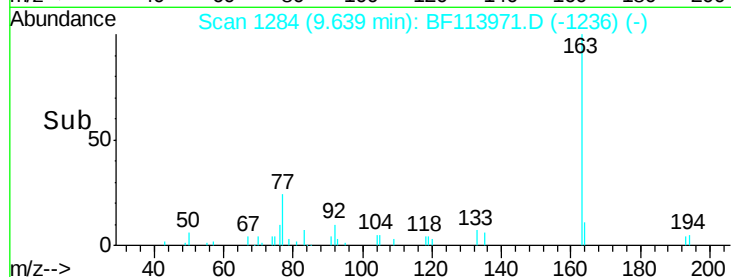
164 10.7 8.5 12.7



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: 8.433 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.22 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

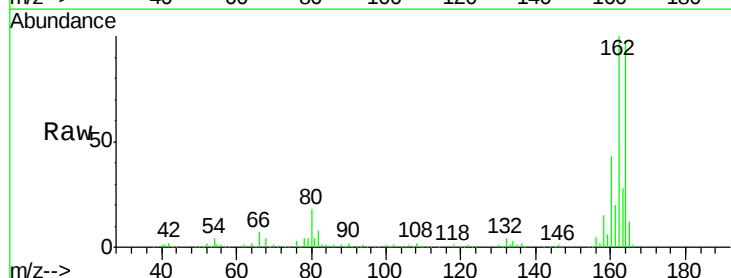
Tgt Ion:165 Resp: 26039

Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

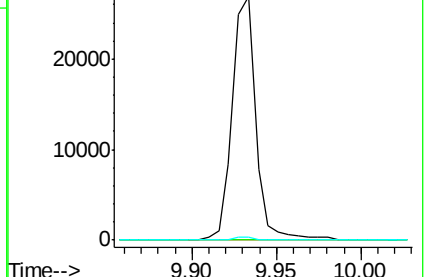
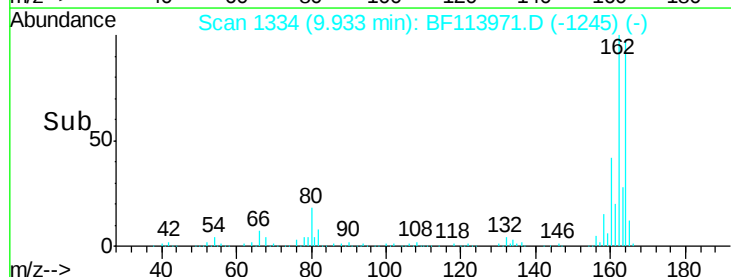
89 1.4 38.2 57.2#

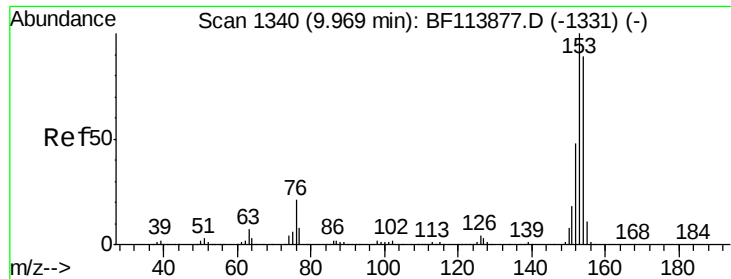


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.152 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

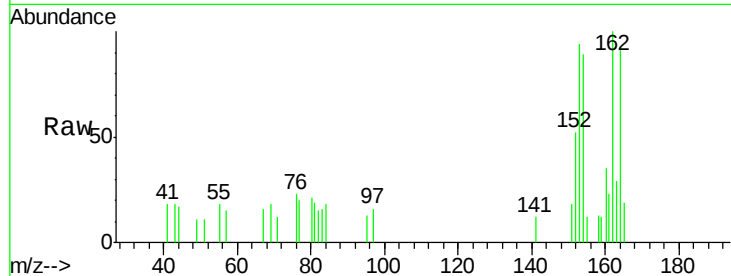
Tot Ion:154 Resp: 1736

Ion Ratio Lower Upper

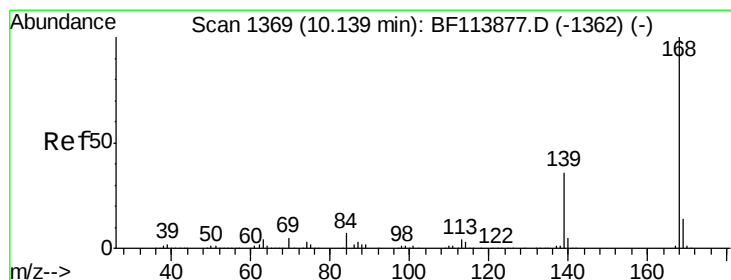
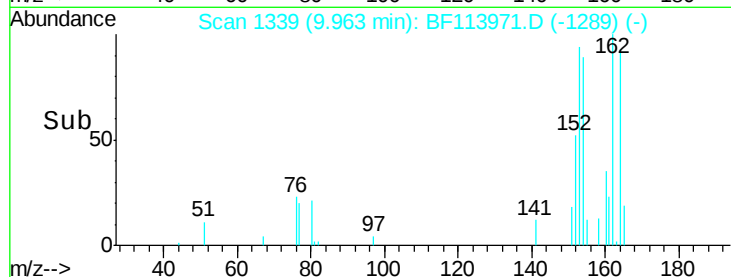
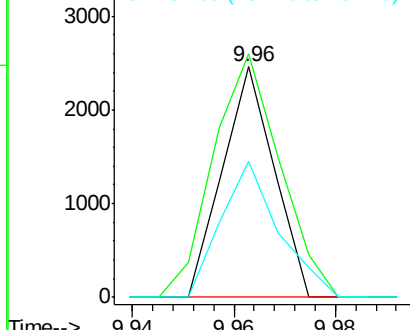
154 100

153 105.5 87.2 130.8

152 59.1 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



#55

Dibenzofuran

Concen: 0.138 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

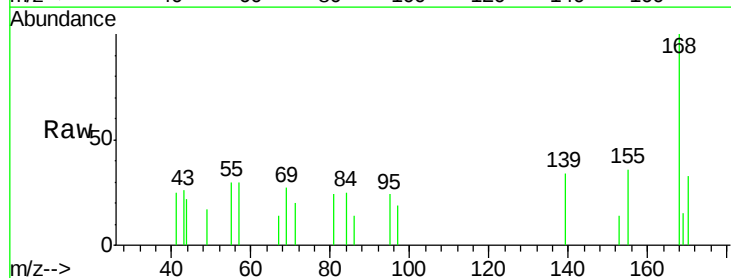
Tgt Ion:168 Resp: 2370

Ion Ratio Lower Upper

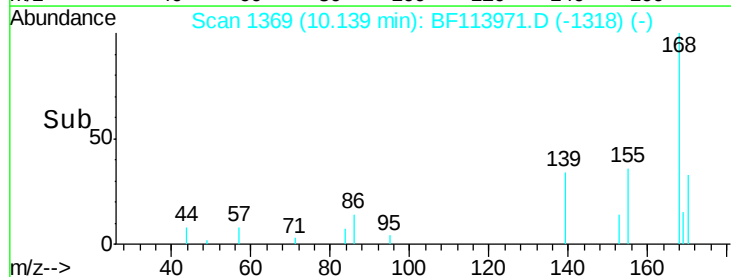
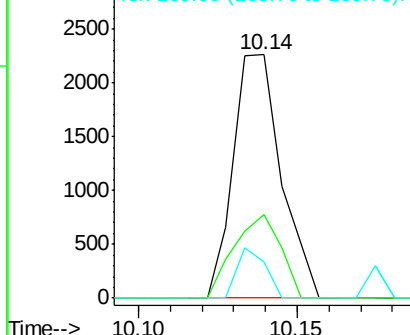
168 100

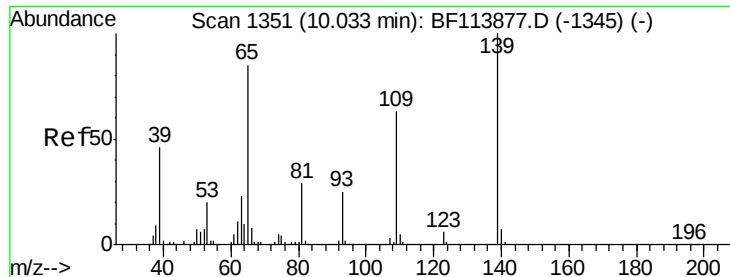
139 34.3 27.8 41.6

169 14.7 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





#56

4-Nitrophenol

Concen: 0.306 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.11 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampled :

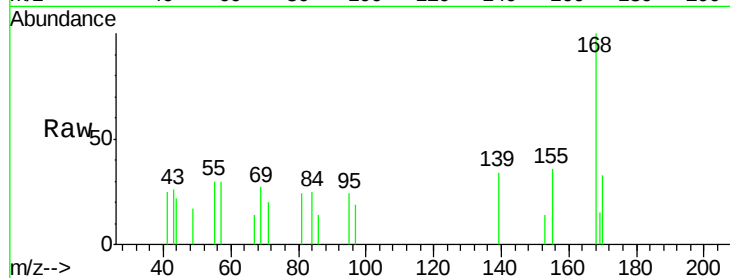
Tot Ion:139 Resp: 785

Ion Ratio Lower Upper

139 100

109 0.0 42.9 82.9#

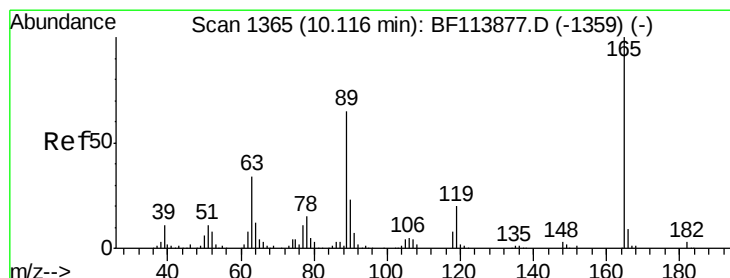
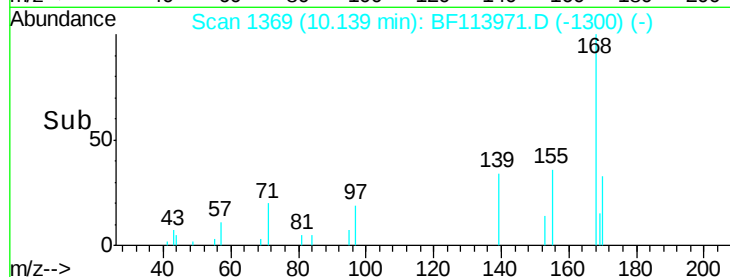
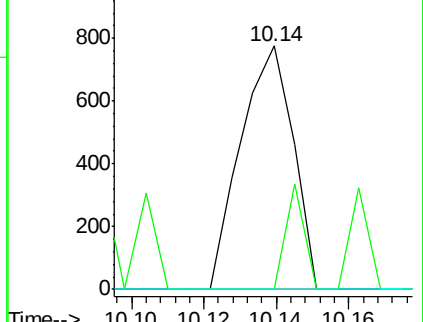
65 0.0 64.4 104.4#



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: 6.681 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Tgt Ion:165 Resp: 26039

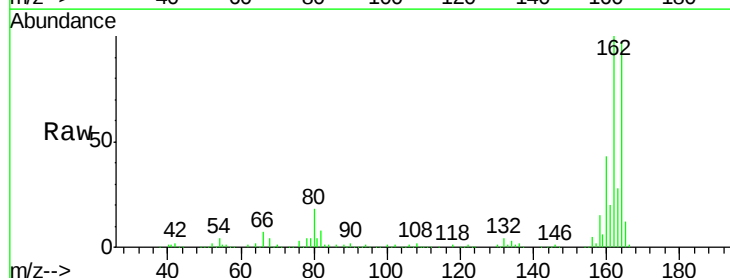
Ion Ratio Lower Upper

165 100

63 0.0 27.4 41.0#

89 1.4 51.8 77.6#

182 0.0 2.2 3.2#

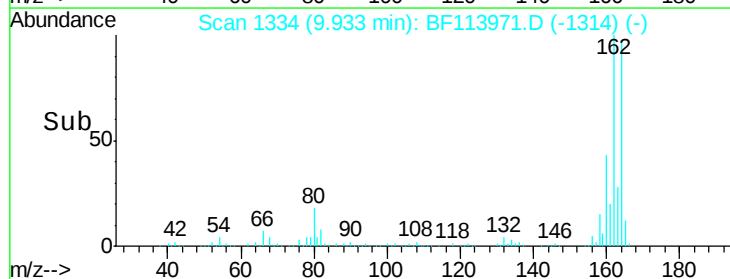
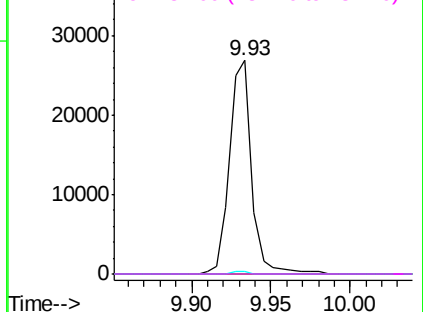


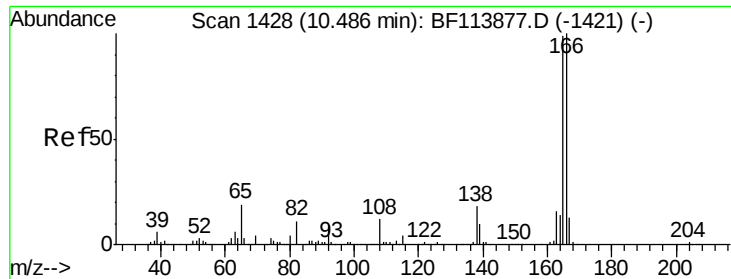
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.262 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

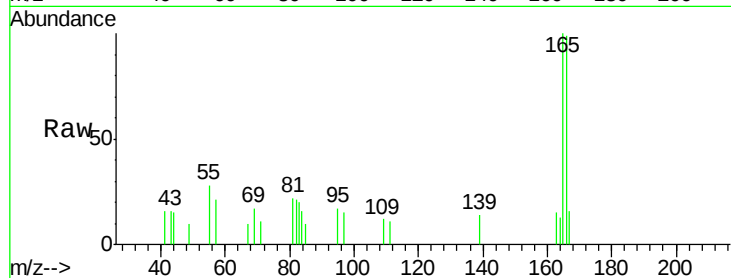
Tot Ion:166 Resp: 3377

Ion Ratio Lower Upper

166 100

165 101.3 78.4 117.6

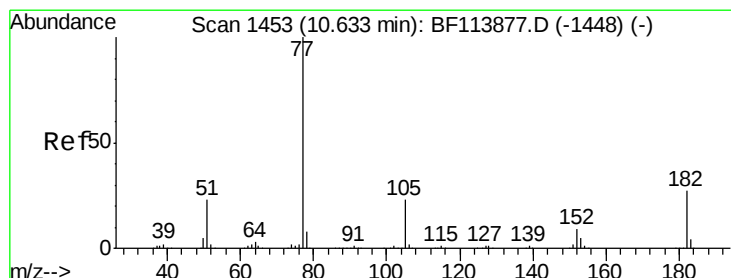
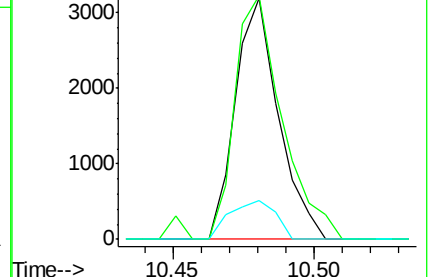
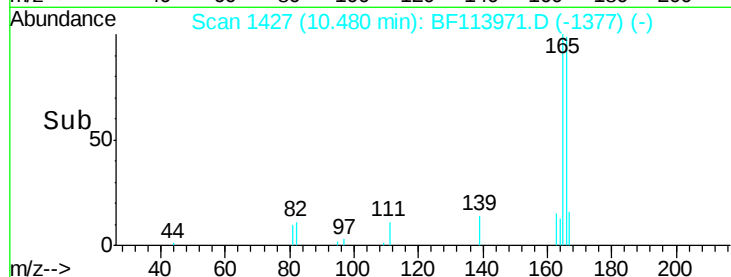
167 16.0 10.9 16.3



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: 0.010 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Tgt Ion: 77 Resp: 134

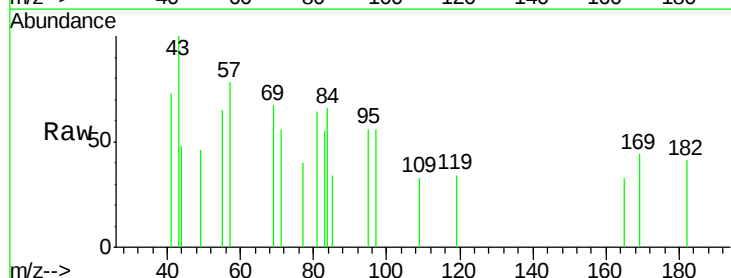
Ion Ratio Lower Upper

77 100

182 103.2 4.4 44.4#

105 0.0 2.2 42.2#

51 0.0 3.9 43.9#

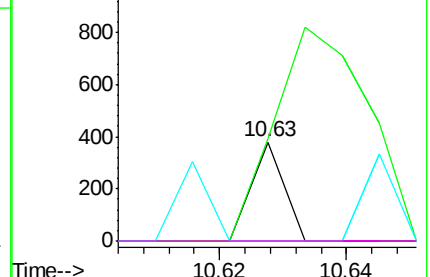
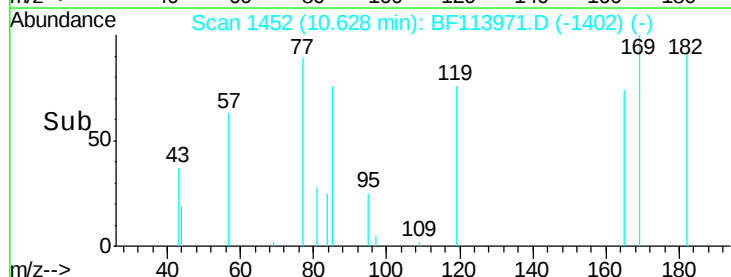


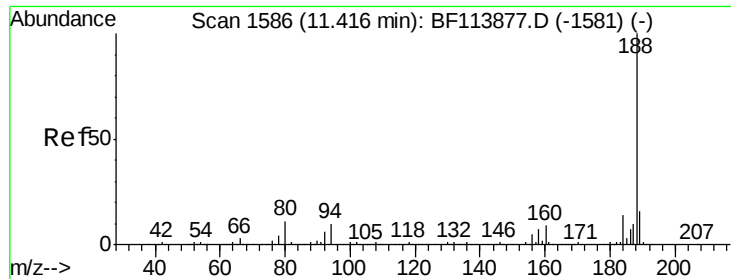
Abundance Ion 77.00 (76.70 to 77.70): BF1

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

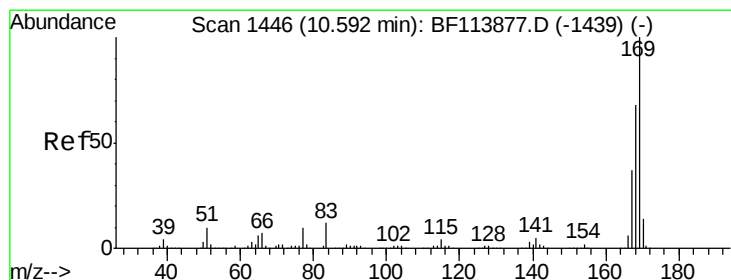
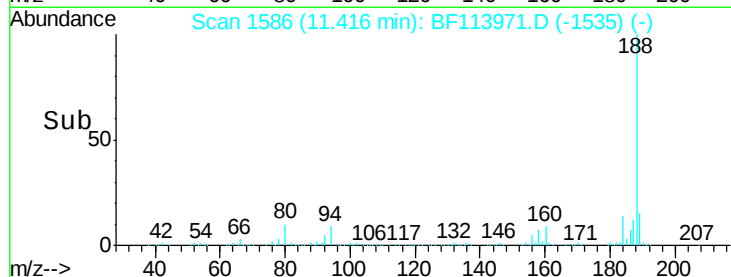
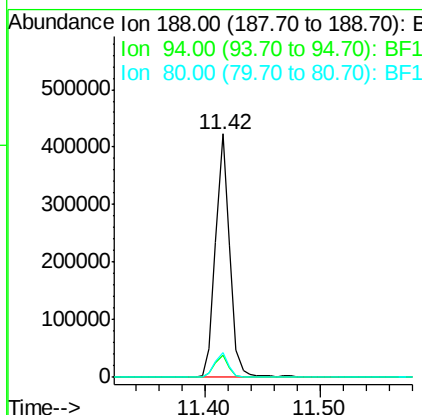
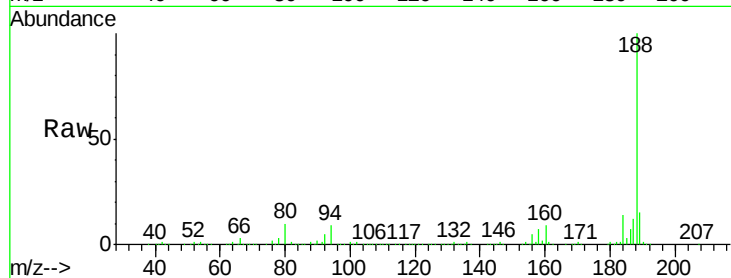




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113971.D
 Acq: 24 Apr 2019 19:33

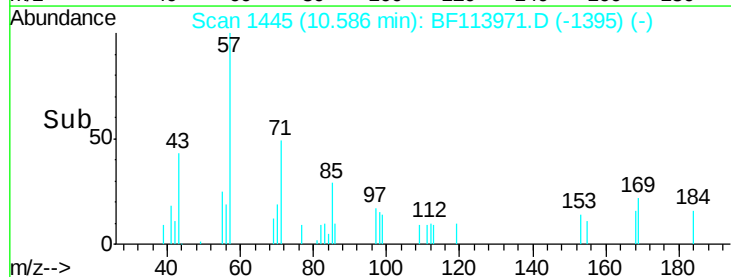
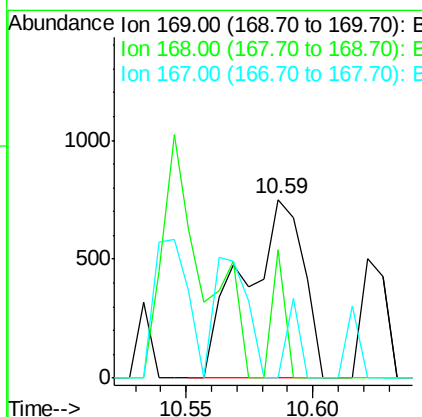
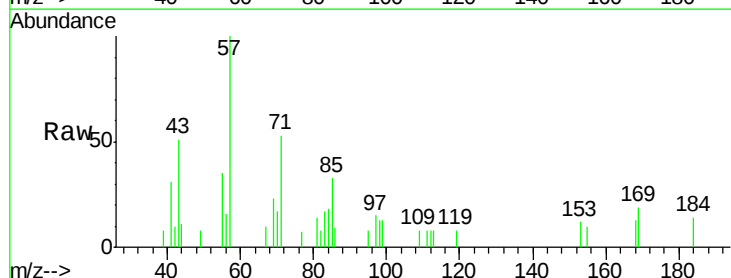
Instrument :
 BNA_F
 ClientSampleId :

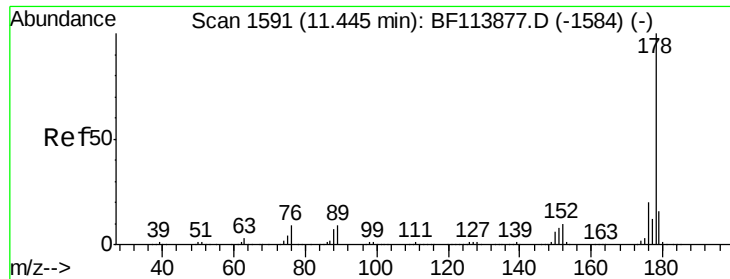
Tot Ion:188 Resp: 359924
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.2 12.4
 80 10.4 9.0 13.6



#66
 n-Nitrosodiphenylamine
 Concen: 0.113 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF113971.D
 Acq: 24 Apr 2019 19:33

Tgt Ion:169 Resp: 1219
 Ion Ratio Lower Upper
 169 100
 168 72.0 54.3 81.5
 167 0.0 29.4 44.0#

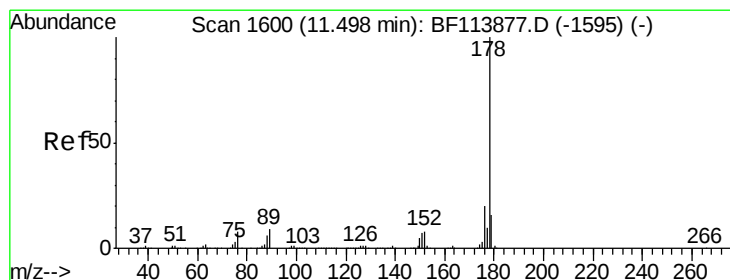
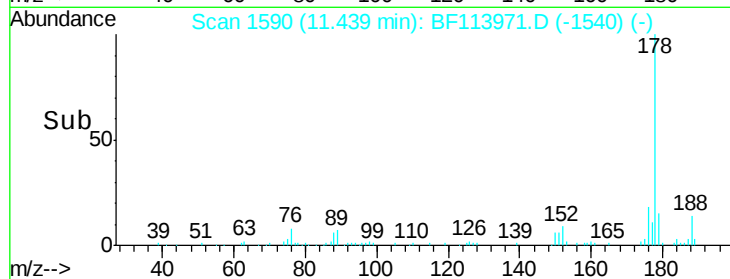
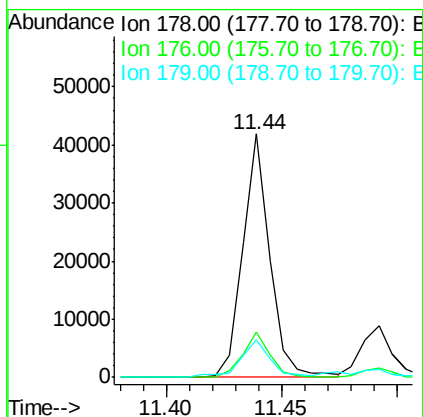
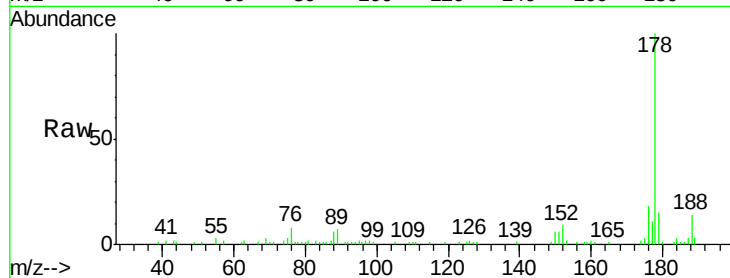




#71
 Phenanthrene
 Concen: 1.894 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113971.D
 Acq: 24 Apr 2019 19:33

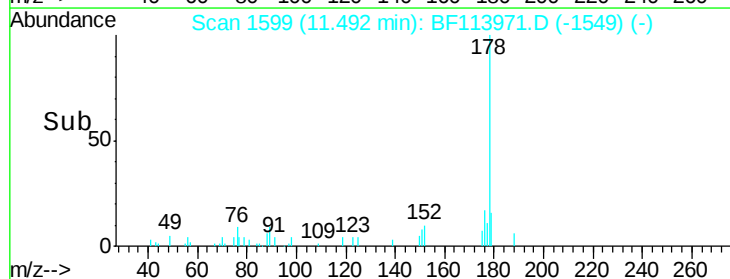
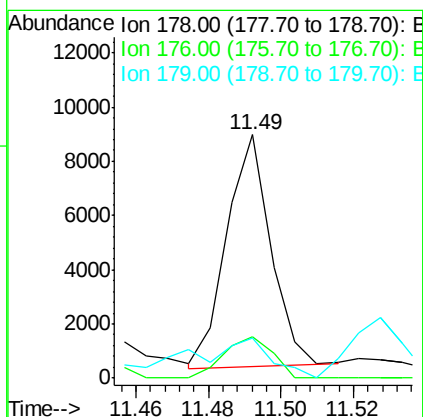
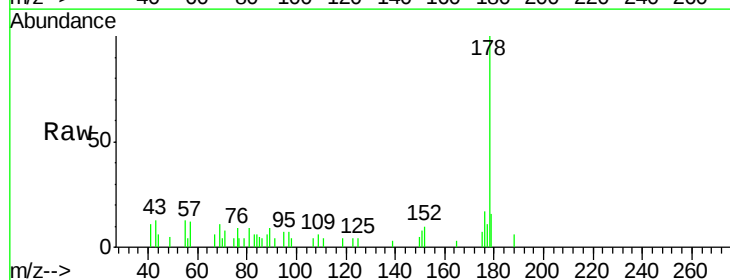
Instrument :
 BNA_F
 ClientSampled :

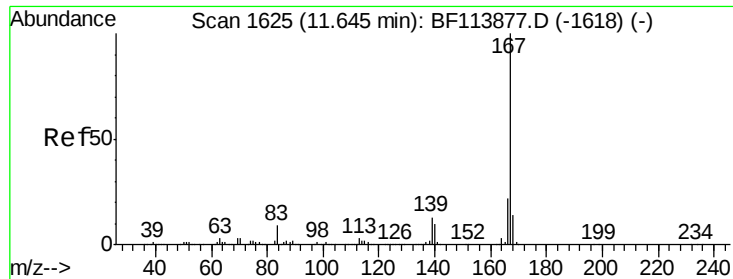
Tot Ion:178 Resp: 34254
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.1 24.1
 179 15.4 12.8 19.2



#72
 Anthracene
 Concen: 0.399 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF113971.D
 Acq: 24 Apr 2019 19:33

Tgt Ion:178 Resp: 7297
 Ion Ratio Lower Upper
 178 100
 176 16.8 15.7 23.5
 179 16.3 13.0 19.4

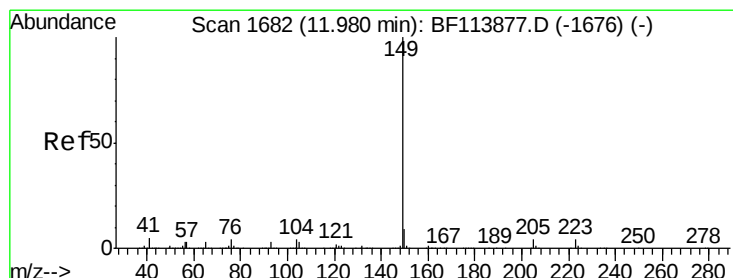
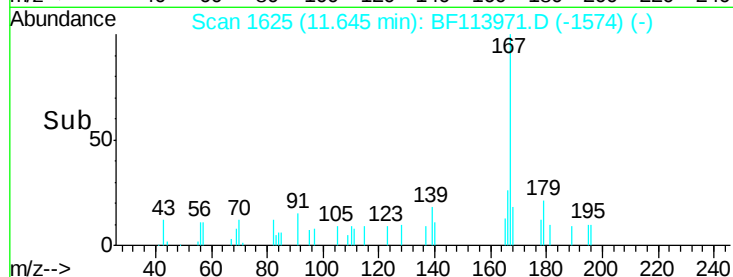
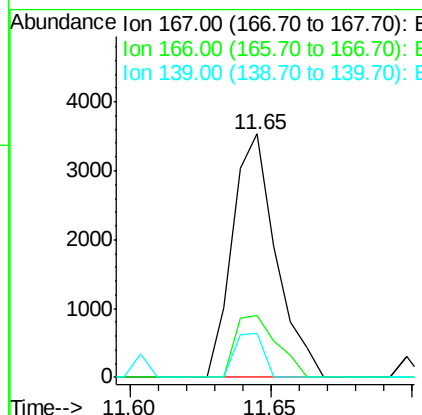
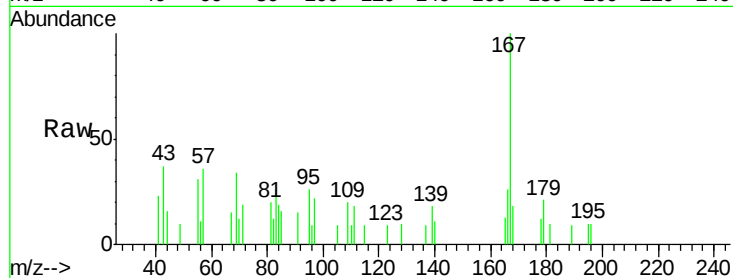




#73
 Carbazole
 Concen: 0.233 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BF113971.D
 Acq: 24 Apr 2019 19:33

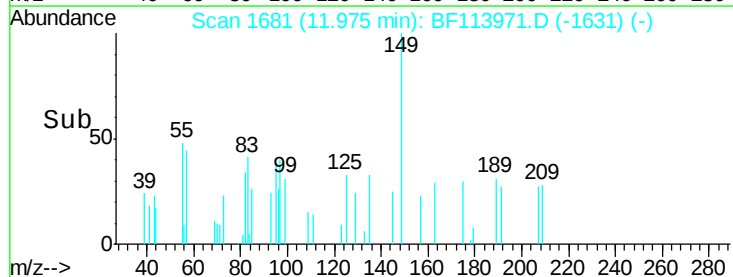
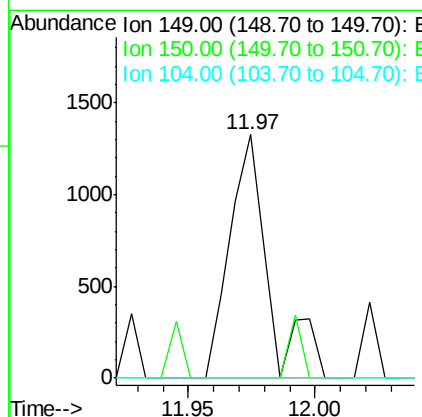
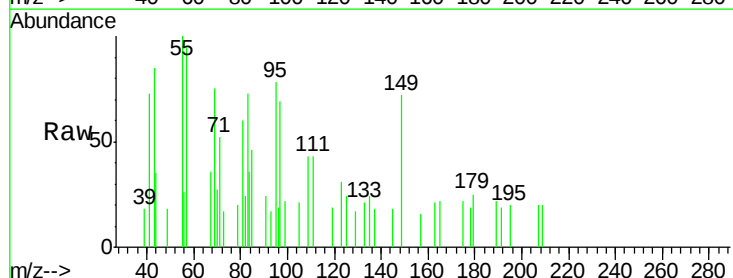
Instrument :
 BNA_F
 ClientSampleId :

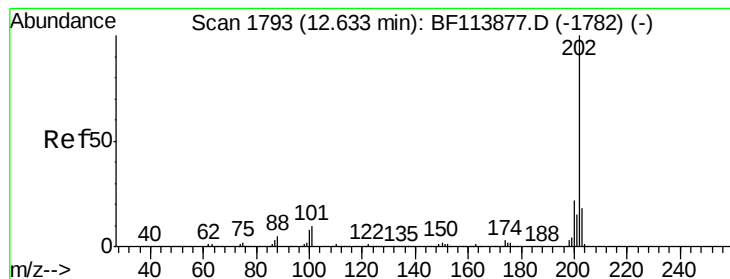
Tot Ion:167 Resp: 3790
 Ion Ratio Lower Upper
 167 100
 166 25.7 17.7 26.5
 139 17.9 10.0 15.0#



#74
 Di-n-butylphthalate
 Concen: 0.074 ng
 RT: 11.97 min Scan# 1681
 Delta R.T. -0.01 min
 Lab File: BF113971.D
 Acq: 24 Apr 2019 19:33

Tgt Ion:149 Resp: 1414
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.8 11.8#
 104 0.0 3.8 5.8#





#75

Fluoranthene

Concen: 2.700 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

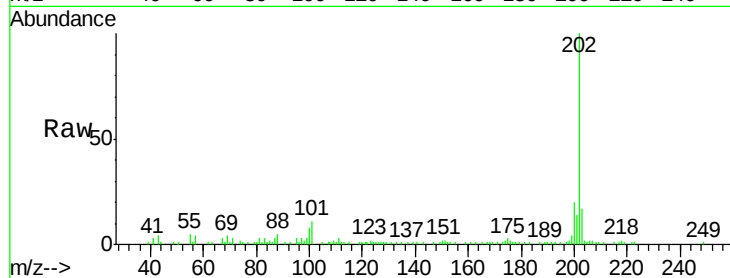
Tot Ion:202 Resp: 53281

Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.9

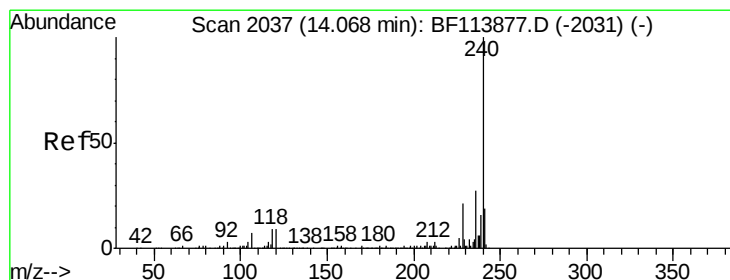
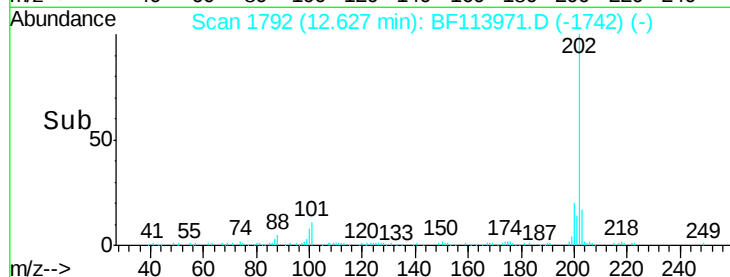
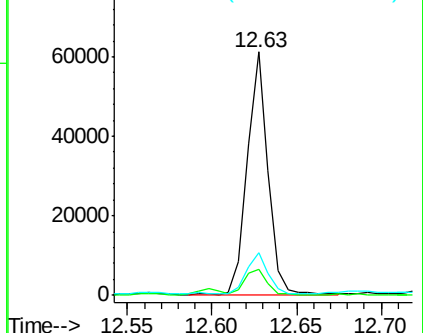
203 17.4 0.0 38.2



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: BF113971.D

Acq: 24 Apr 2019 19:33

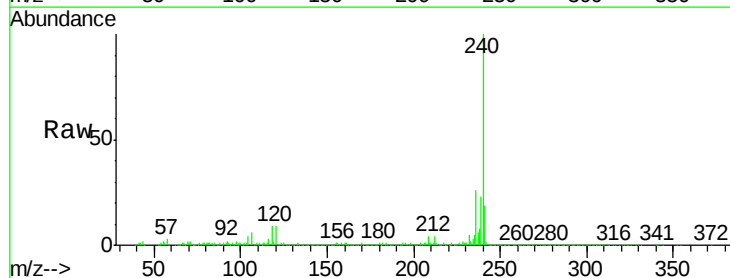
Tgt Ion:240 Resp: 354528

Ion Ratio Lower Upper

240 100

120 9.1 9.3 13.9#

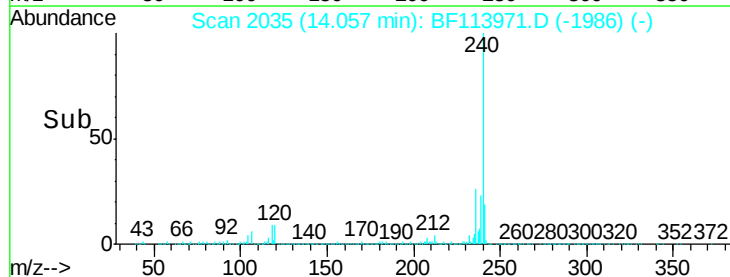
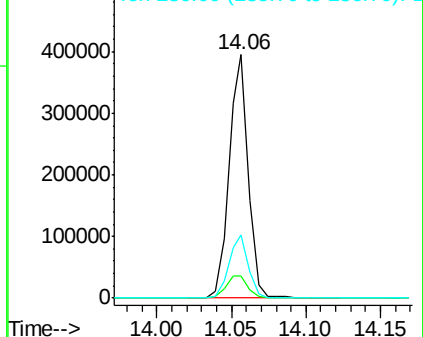
236 26.0 21.2 31.8

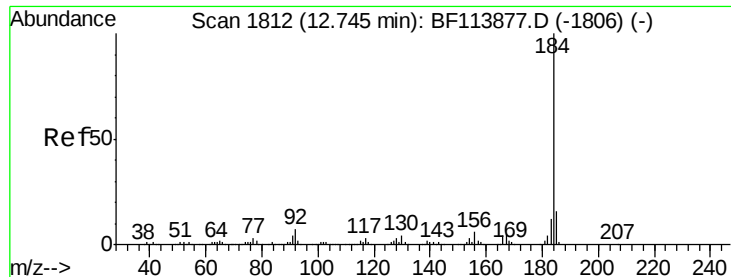


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.011 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.02 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

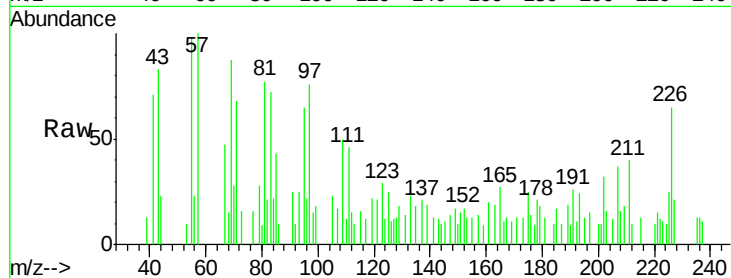
Tot Ion:184 Resp: 113

Ion Ratio Lower Upper

184 100

185 172.8 13.0 19.6#

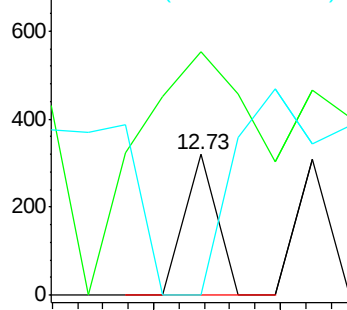
183 0.0 9.4 14.0#



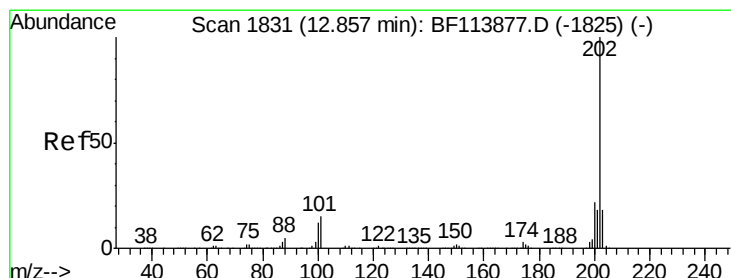
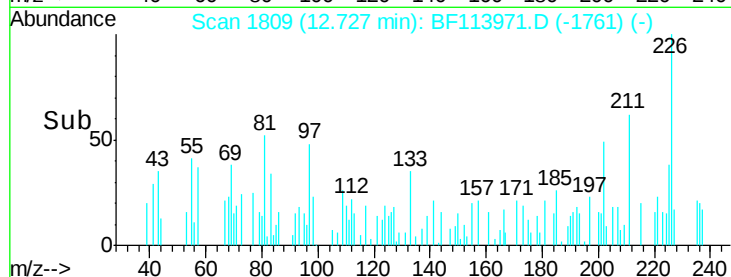
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#78

Pyrene

Concen: 2.086 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

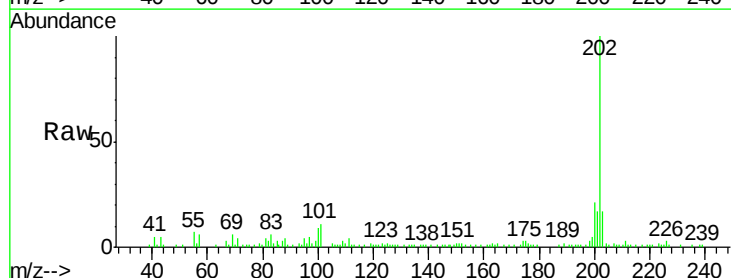
Tgt Ion:202 Resp: 51718

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

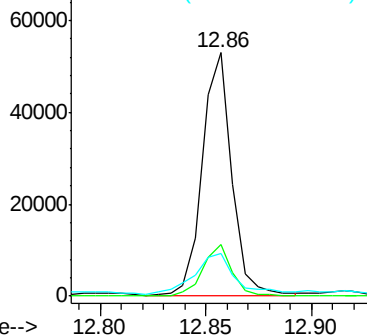
203 17.3 15.0 22.6



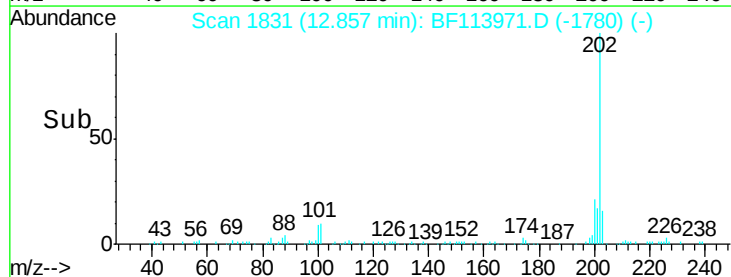
Abundance Ion 202.00 (201.70 to 202.70): E

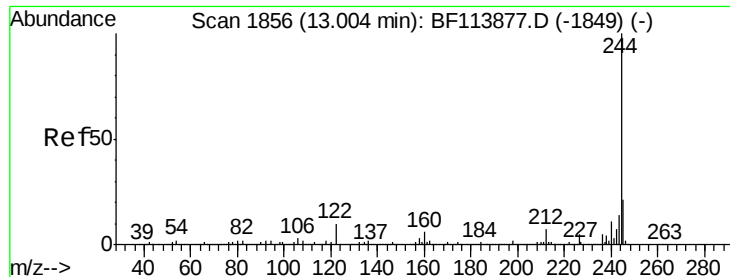
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#79

Terphenyl-d14

Concen: 6.734 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

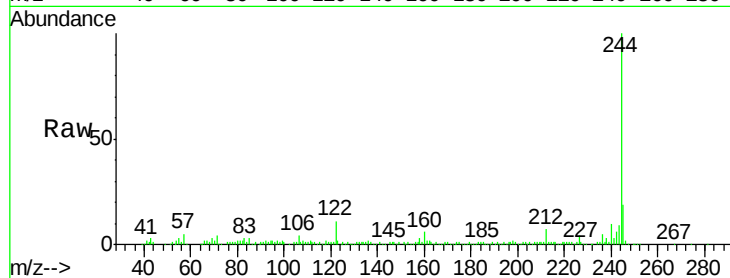
Tot Ion:244 Resp: 116447

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

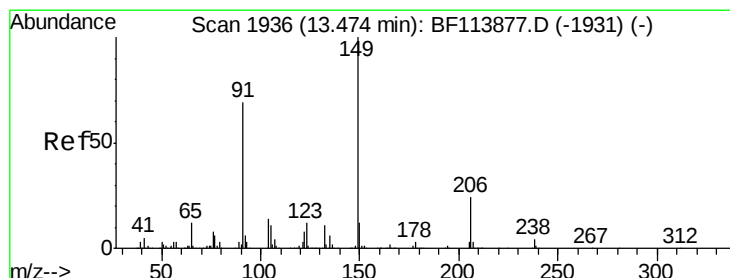
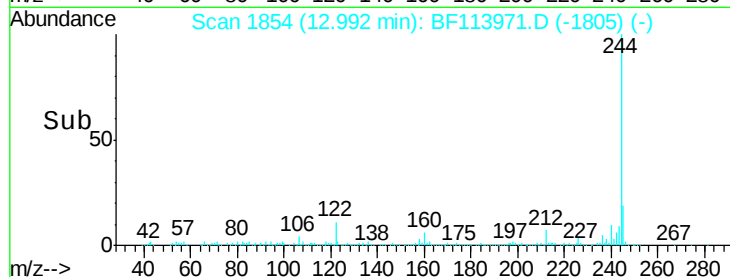
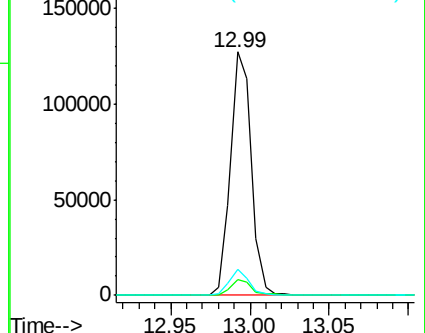
122 10.6 7.6 11.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.103 ng

RT: 13.44 min Scan# 1931

Delta R.T. -0.03 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

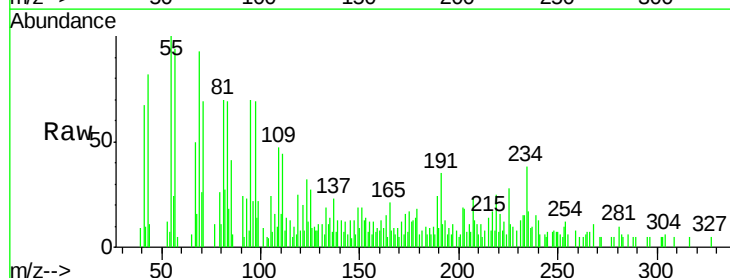
Tgt Ion:149 Resp: 1003

Ion Ratio Lower Upper

149 100

91 121.5 56.3 84.5#

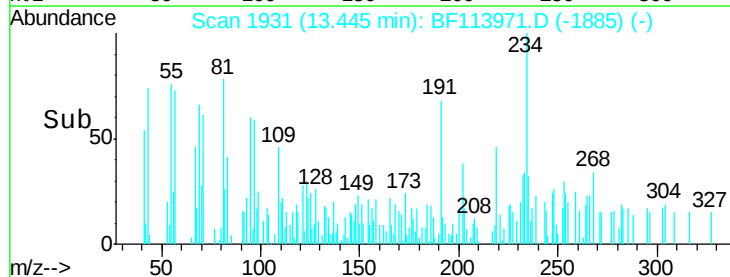
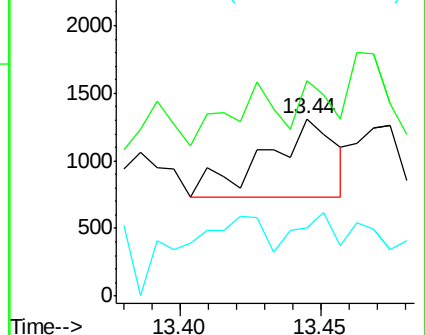
206 38.3 19.0 28.6#

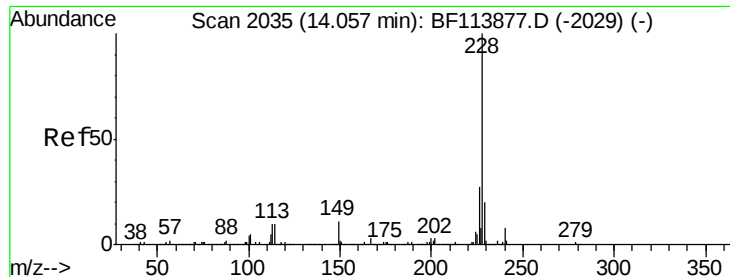


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

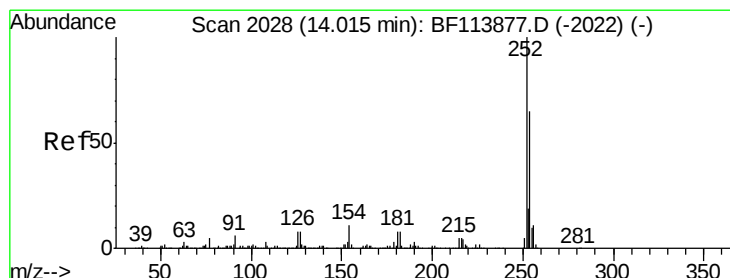
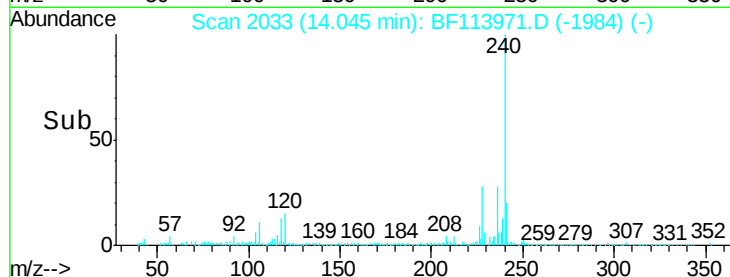
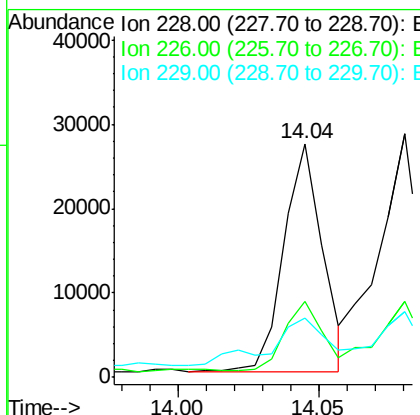
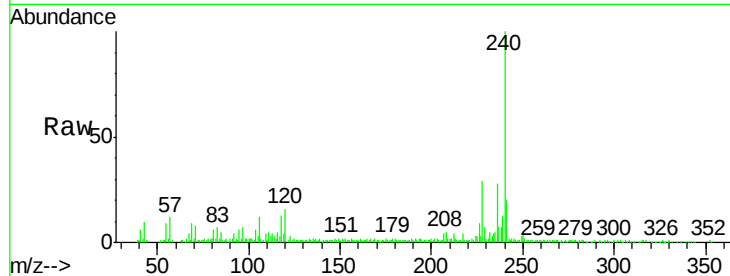




#81
Benzo(a)anthracene
Concen: 1.226 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF113971.D
Acq: 24 Apr 2019 19:33

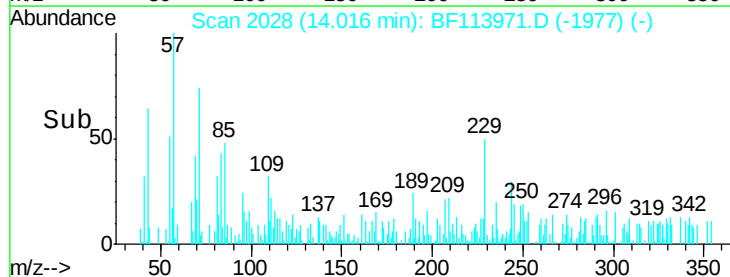
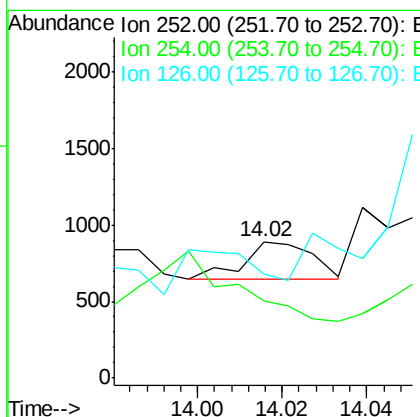
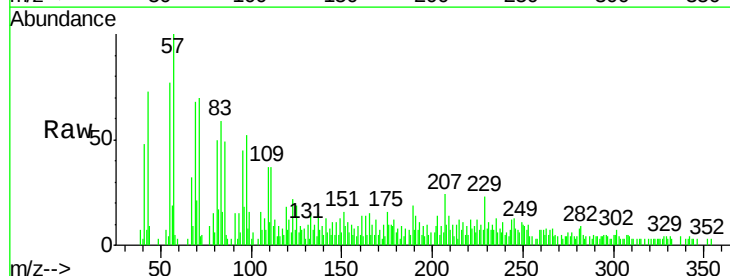
Instrument :
BNA_F
ClientSampleId :

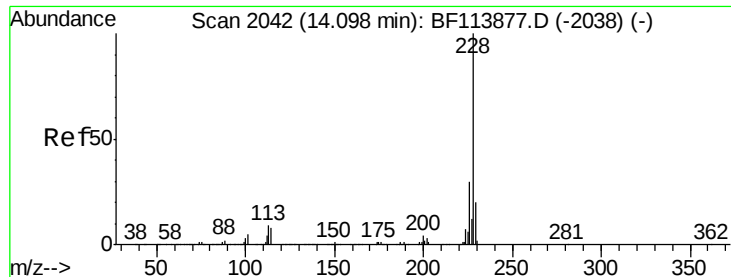
Tot Ion:228 Resp: 25617
Ion Ratio Lower Upper
228 100
226 32.5 22.2 33.2
229 25.6 16.0 24.0#



#82
3,3'-Dichlorobenzidine
Concen: 0.036 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF113971.D
Acq: 24 Apr 2019 19:33

Tgt Ion:252 Resp: 273
Ion Ratio Lower Upper
252 100
254 56.9 52.1 78.1
126 75.8 9.3 13.9#





#83

Chrysene

Concen: 1.472 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

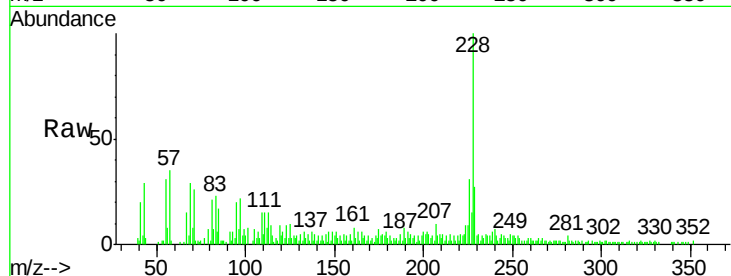
Tot Ion:228 Resp: 29944

Ion Ratio Lower Upper

228 100

226 31.3 25.2 37.8

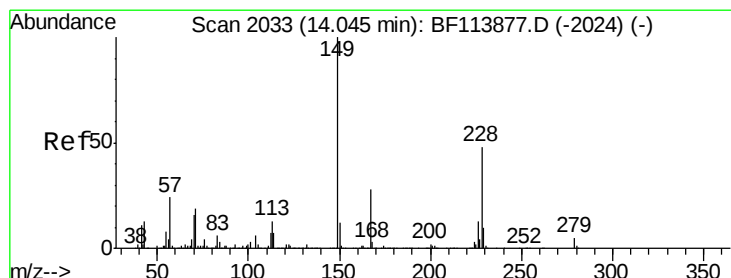
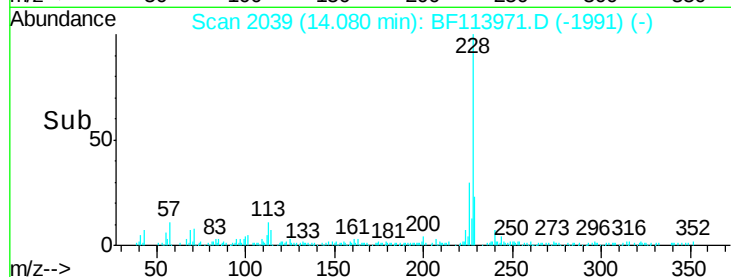
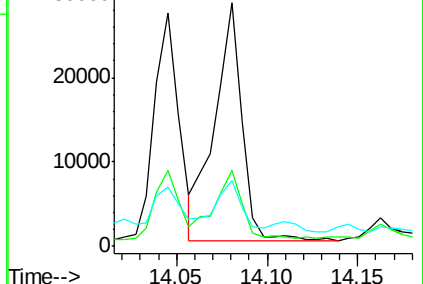
229 26.8 16.7 25.1#



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: 0.326 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

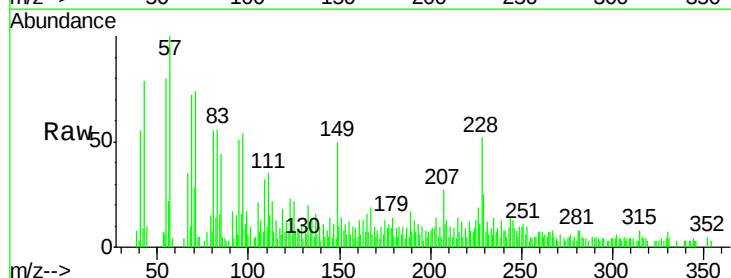
Tgt Ion:149 Resp: 4046

Ion Ratio Lower Upper

149 100

167 38.4 22.9 34.3#

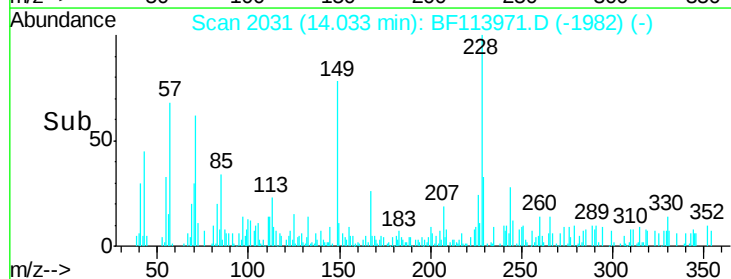
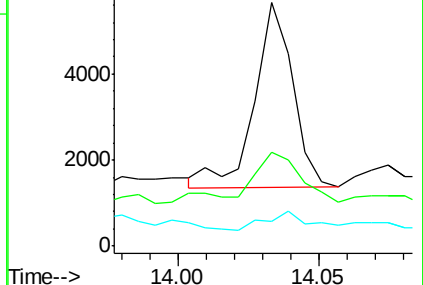
279 10.1 4.2 6.2#

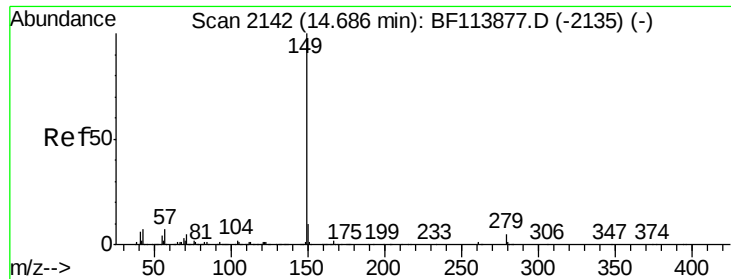


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.086 ng

RT: 14.70 min Scan# 2144

Delta R.T. 0.01 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

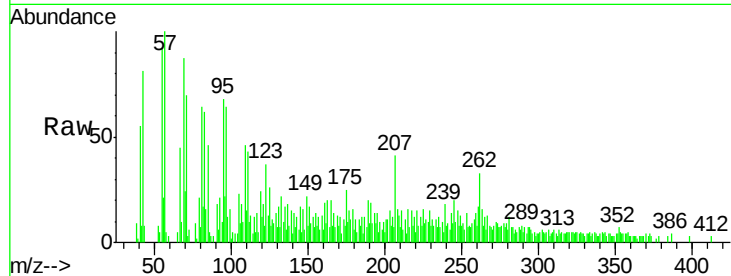
Tot Ion:149 Resp: 1670

Ion Ratio Lower Upper

149 100

167 38.1 1.3 1.9#

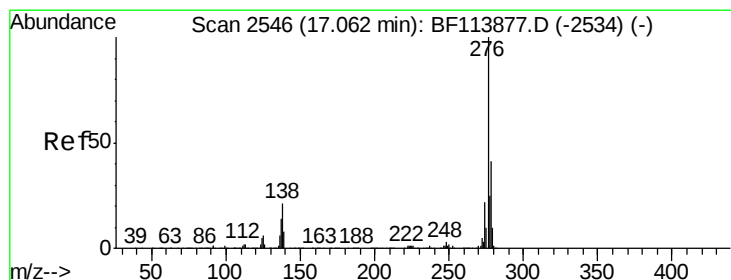
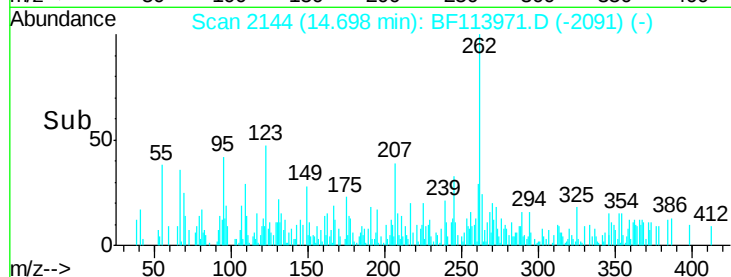
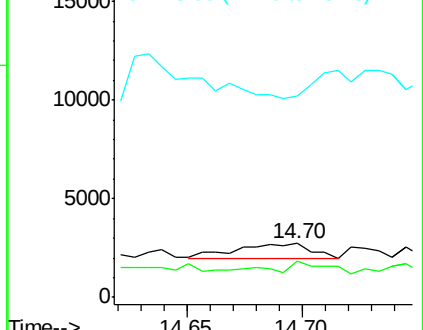
43 0.0 6.6 10.0#



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: 0.579 ng

RT: 17.03 min Scan# 2541

Delta R.T. -0.03 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

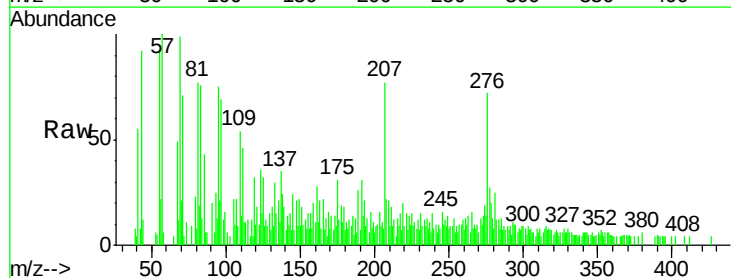
Tgt Ion:276 Resp: 11156

Ion Ratio Lower Upper

276 100

138 19.5 19.6 29.4#

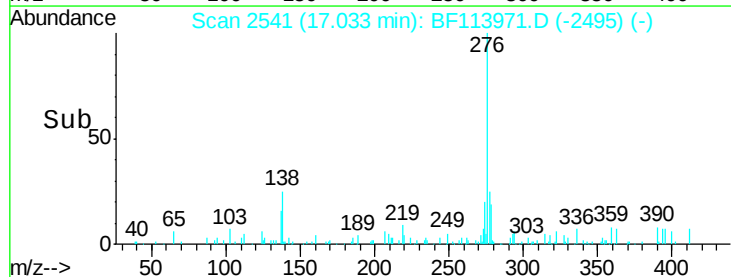
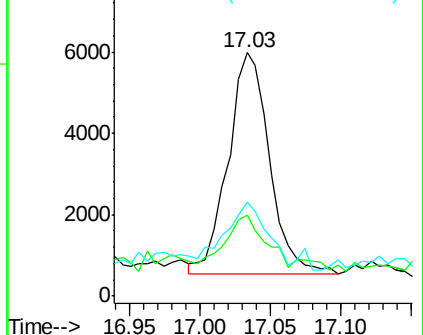
277 30.6 20.2 30.4#

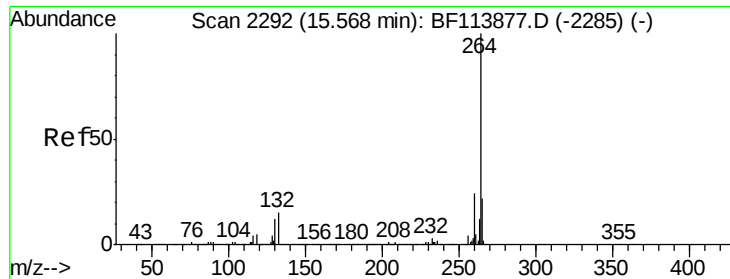


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

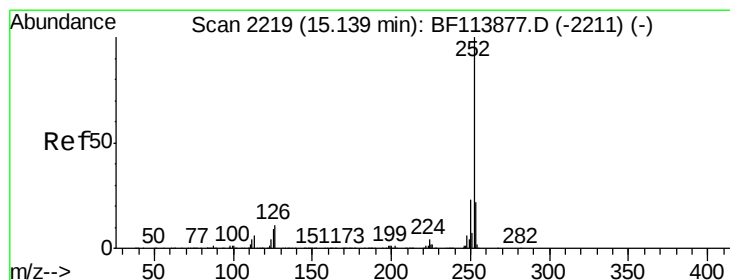
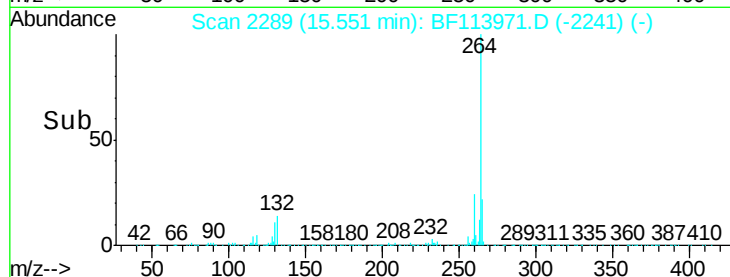
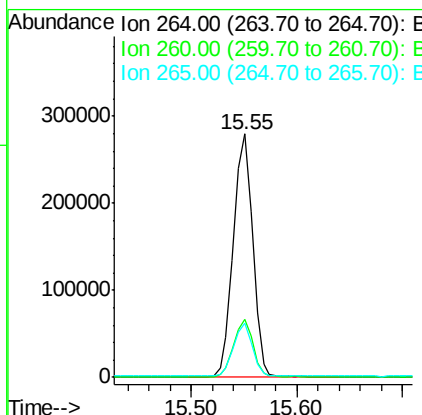
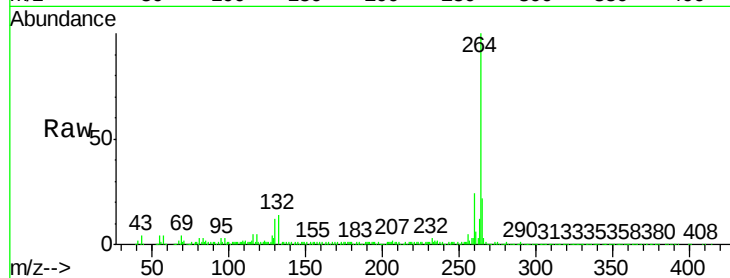




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.02 min
Lab File: BF113971.D
Acq: 24 Apr 2019 19:33

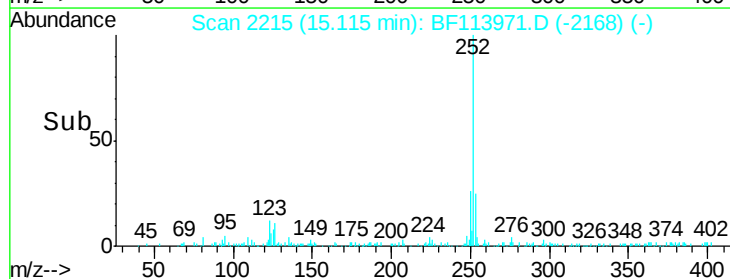
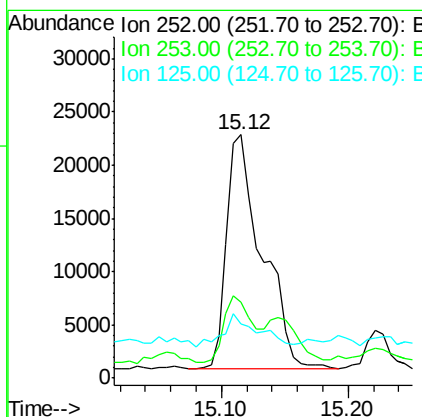
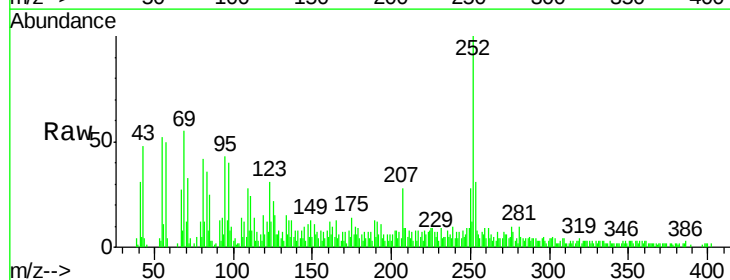
Instrument :
BNA_F
ClientSampleId :

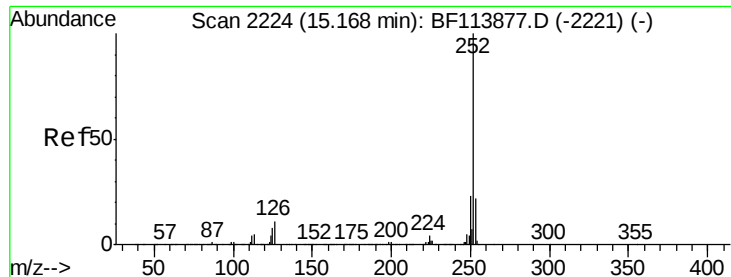
Tot Ion:264 Resp: 352163
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 22.4 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 1.935 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF113971.D
Acq: 24 Apr 2019 19:33

Tgt Ion:252 Resp: 43117
Ion Ratio Lower Upper
252 100
253 31.1 17.8 26.6#
125 22.3 7.0 10.6#

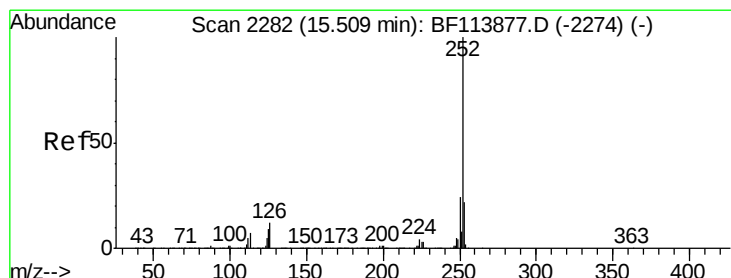
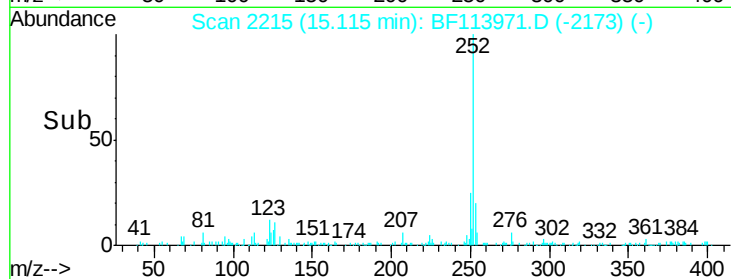
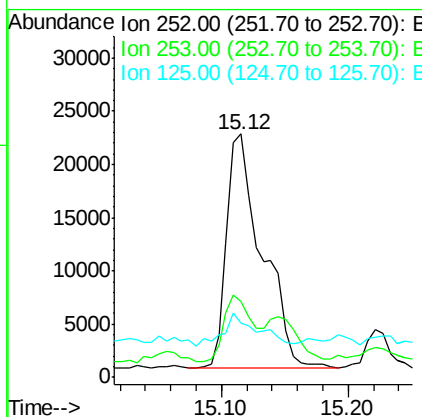
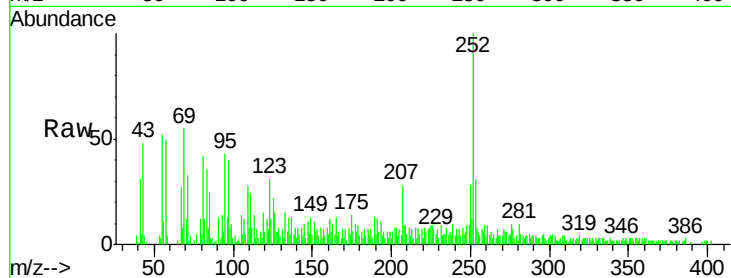




#89
Benzo(k)fluoranthene
Concen: 2.250 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.05 min
Lab File: BF113971.D
Acq: 24 Apr 2019 19:33

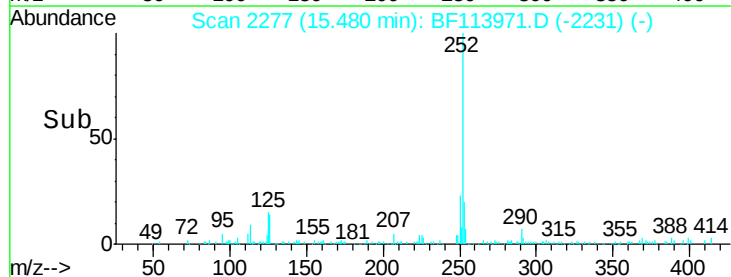
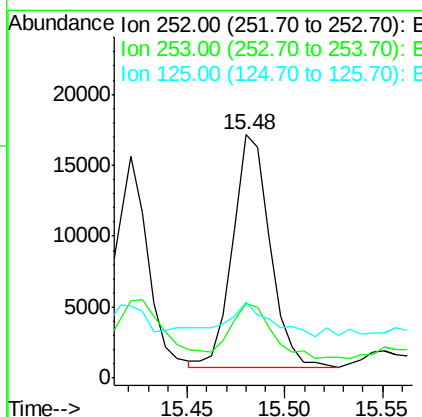
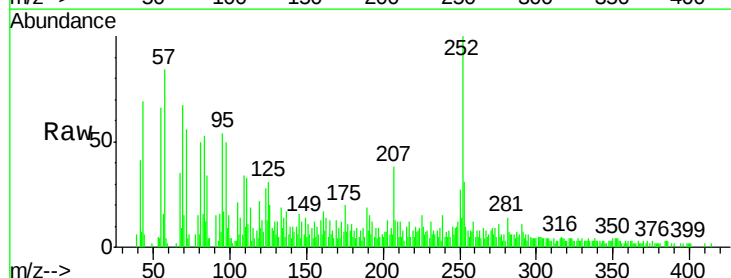
Instrument :
BNA_F
ClientSampleId :

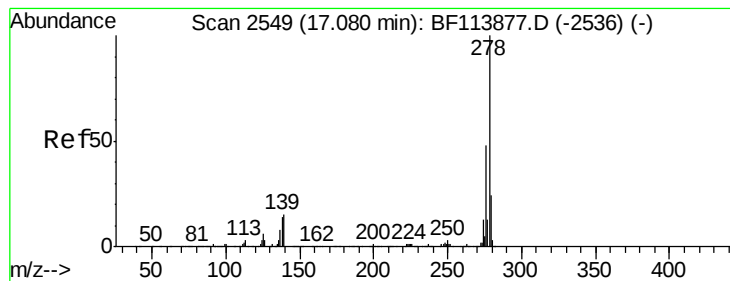
Tot Ion	Ratio	Lower	Upper
252	100		
253	31.1	18.2	27.2#
125	22.3	7.4	11.2#



#90
Benzo(a)pyrene
Concen: 1.125 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.03 min
Lab File: BF113971.D
Acq: 24 Apr 2019 19:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.6	17.5	26.3#
125	31.1	8.5	12.7#





#91

Dibenzo(a,h)anthracene

Concen: 0.209 ng

RT: 17.04 min Scan# 2542

Delta R.T. -0.04 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

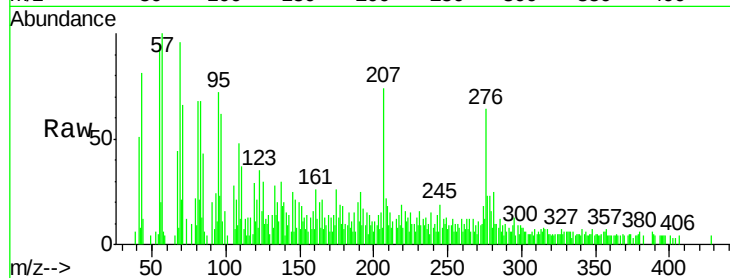
Tot Ion:278 Resp: 3787

Ion Ratio Lower Upper

278 100

139 86.0 11.6 17.4#

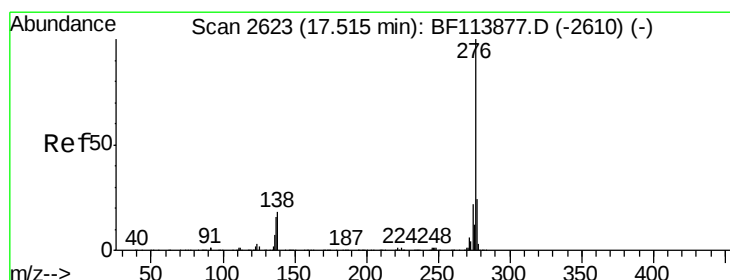
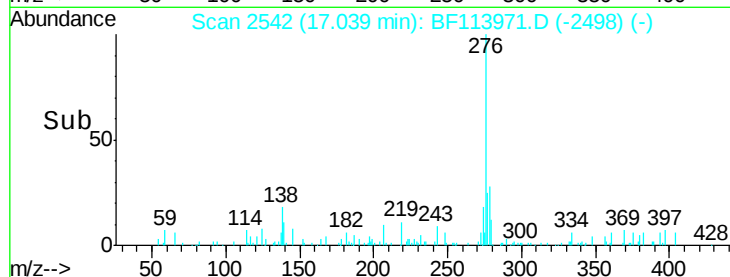
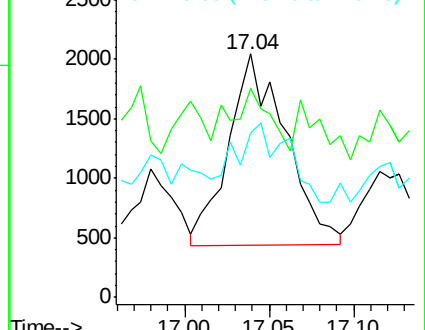
279 67.4 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 0.588 ng

RT: 17.49 min Scan# 2618

Delta R.T. -0.03 min

Lab File: BF113971.D

Acq: 24 Apr 2019 19:33

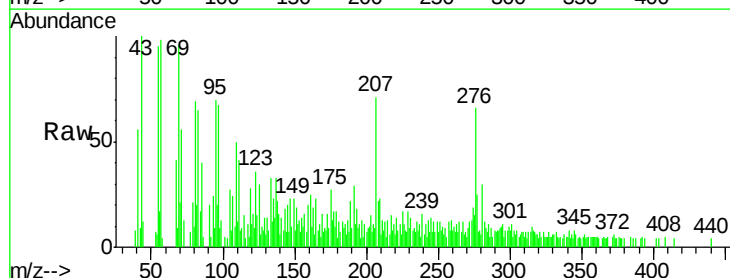
Tgt Ion:276 Resp: 10727

Ion Ratio Lower Upper

276 100

277 38.0 19.0 28.4#

138 33.8 16.6 25.0#



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

