

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
 Data File : BF113969.D
 Acq On : 24 Apr 2019 18:41
 Operator : JU/SJ
 Sample : K2200-11 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 01:26:04 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	124761	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	471220	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	222438	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	363206	20.00	ng	0.00
76) Chrysene-d12	14.06	240	324051	20.00	ng	-0.01
87) Perylene-d12	15.56	264	382730	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	180519	24.75	ng	0.00
7) Phenol-d6	6.51	99	239654	26.19	ng	-0.01
23) Nitrobenzene-d5	7.45	82	136397	17.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	54541	20.13	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	274383	19.29	ng	0.00
79) Terphenyl-d14	12.99	244	226701	14.34	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.72	88	83	0.024	ng	# 1
6) Aniline	6.66	93	229	0.018	ng	# 1
9) Benzaldehyde	6.51	77	283	Below Cal		# 3
10) Phenol	6.53	94	358	0.033	ng	# 1
11) bis(2-Chloroethyl)ether	6.66	93	229	0.028	ng	# 1
15) Benzyl Alcohol	7.05	79	2320	0.376	ng	# 45
18) Hexachloroethane	7.46	117	189	0.057	ng	# 1
19) n-Nitroso-di-n-propylamine	7.45	70	18620	3.142	ng	# 80
22) Acetophenone	7.29	105	501	0.048	ng	# 45
24) Nitrobenzene	7.45	77	409	0.049	ng	# 39
25) Isophorone	7.45	82	134002	8.581	ng	# 65
28) bis(2-Chloroethoxy)methane	7.68	93	107	0.011	ng	# 1
31) Naphthalene	8.20	128	1607	0.072	ng	# 91
33) 4-Chloroaniline	8.20	127	120	0.013	ng	# 25
35) Caprolactam	8.60	113	397	0.174	ng	# 1
36) 4-Chloro-3-methylphenol	8.65	107	250	0.035	ng	# 19
37) 2-Methylnaphthalene	8.89	142	1447	0.096	ng	# 77
38) 1-Methylnaphthalene	8.99	142	1195	0.082	ng	# 81
46) 1,1'-Biophenyl	9.35	154	755	0.044	ng	# 81
48) 2-Nitroaniline	9.50	65	112	0.031	ng	# 4
49) Acenaphthylene	9.79	152	3207	0.148	ng	# 96
50) Dimethylphthalate	9.64	163	22447	1.395	ng	# 97
51) 2,6-Dinitrotoluene	9.93	165	28489	8.255	ng	# 33
52) Acenaphthene	9.96	154	1578	0.123	ng	# 80
55) Dibenzofuran	10.13	168	1535	0.080	ng	# 86
56) 4-Nitrophenol	10.14	139	658	0.229	ng	# 46
57) 2,4-Dinitrotoluene	9.93	165	28489	6.540	ng	# 29
58) Fluorene	10.48	166	3021	0.210	ng	# 91
60) Diethylphthalate	10.34	149	107	0.007	ng	# 57
63) Azobenzene	10.63	77	107	0.007	ng	# 1
66) n-Nitrosodiphenylamine	10.59	169	563	0.052	ng	# 74
67) 4-Bromophenyl-phenylether	10.72	248	3002	0.684	ng	# 1
71) Phenanthrene	11.44	178	23564	1.291	ng	# 98
72) Anthracene	11.49	178	5754	0.312	ng	# 97

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 Misc :
 ALS Vial : 21 Sample Multiplier: 1

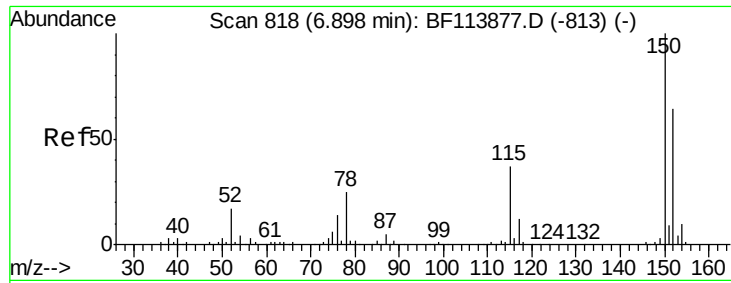
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 01:26:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Carbazole	11.65	167	1936	0.118	nq	# 83
74) Di-n-butylphthalate	11.97	149	804	0.042	nq	# 77
75) Fluoranthene	12.63	202	34807	1.748	nq	95
77) Benzidine	12.94	184	127	0.013	nq	# 1
78) Pyrene	12.86	202	35768	1.578	nq	98
80) Butylbenzylphthalate	13.45	149	229	0.026	nq	# 75
81) Benzo(a)anthracene	14.04	228	21666	1.135	nq	# 89
82) 3,3'-Dichlorobenzidine	14.02	252	997	0.142	nq	# 64
83) Chrysene	14.08	228	21369	1.149	nq	# 90
84) Bis(2-ethylhexyl)phthalate	14.04	149	824	0.073	nq	# 81
85) Di-n-octyl phthalate	14.69	149	536	0.030	nq	# 1
86) Indeno(1,2,3-cd)pyrene	17.05	276	11430	0.649	nq	98
88) Benzo(b)fluoranthene	15.13	252	39261	1.621	nq	# 74
89) Benzo(k)fluoranthene	15.13	252	39261	1.885	nq	# 76
90) Benzo(a)pyrene	15.50	252	21038	1.004	nq	# 78
91) Dibenzo(a,h)anthracene	17.07	278	3546	0.180	nq	# 4
92) Benzo(g,h,i)perylene	17.50	276	11067	0.558	nq	# 83

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

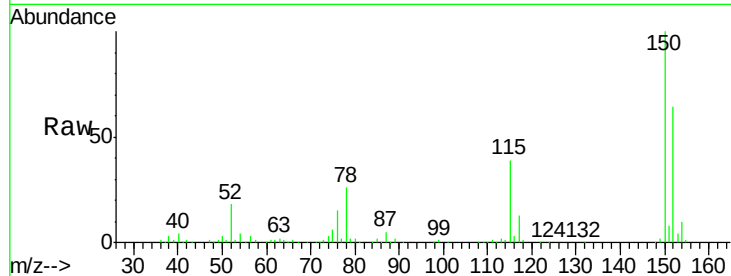


#1

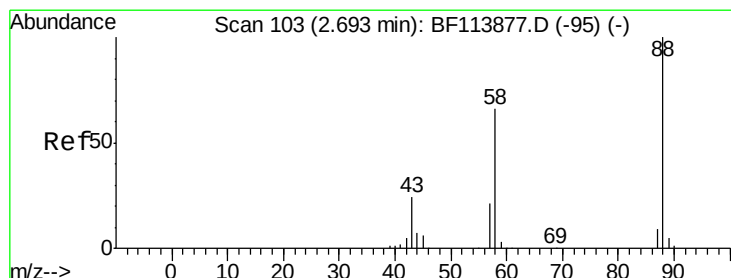
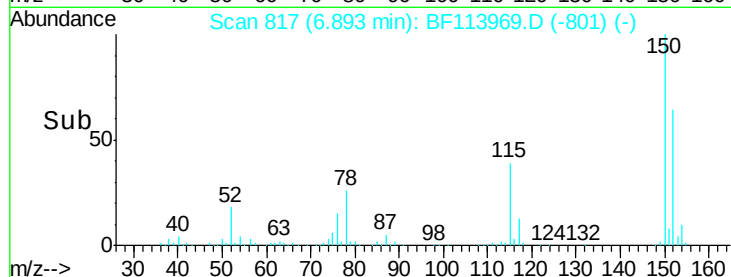
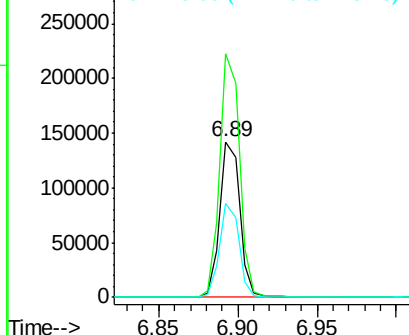
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF113969.D
 Acq: 24 Apr 2019 18:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 124761
 Ion Ratio Lower Upper
 152 100
 150 156.7 125.9 188.9
 115 60.8 45.9 68.9



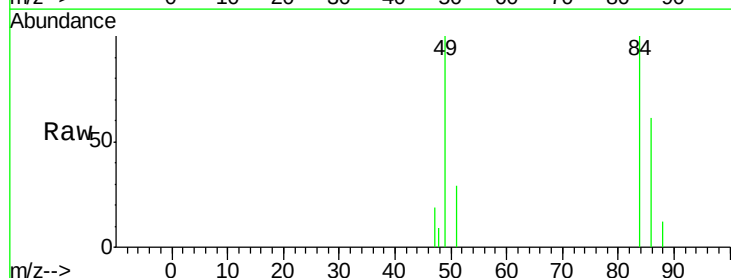
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



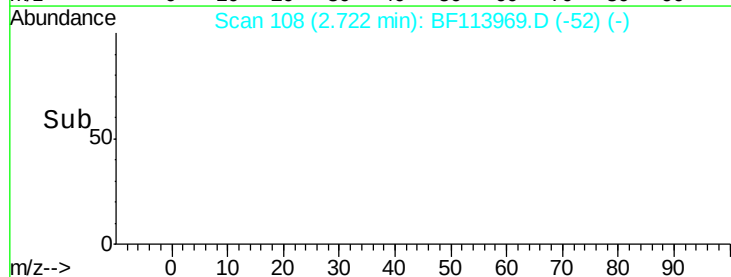
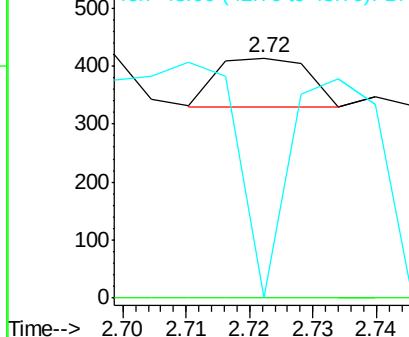
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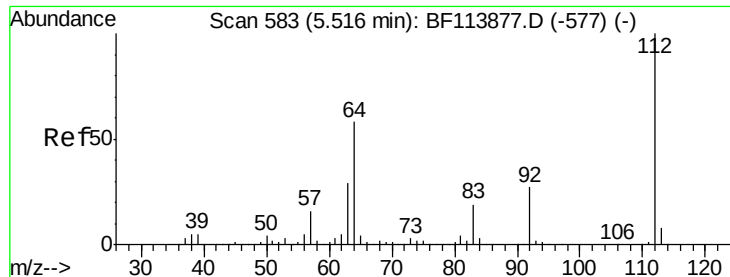
1,4-Dioxane
 Concen: 0.024 ng
 RT: 2.72 min Scan# 108
 Delta R.T. 0.03 min
 Lab File: BF113969.D
 Acq: 24 Apr 2019 18:41

Tgt Ion: 88 Resp: 83
 Ion Ratio Lower Upper
 88 100
 58 0.0 53.3 79.9#
 43 453.0 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: 24.747 ng

RT: 5.51 min Scan# 582

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampled :

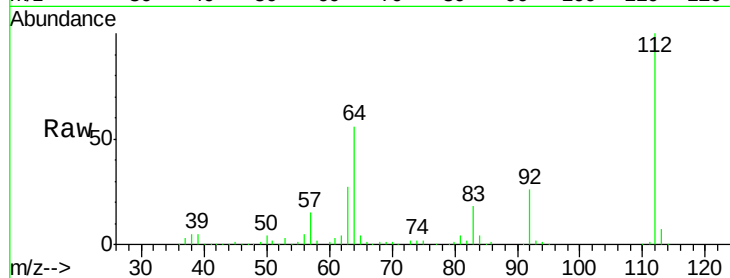
Tot Ion: 112 Resp: 180519

Ion Ratio Lower Upper

112 100

64 55.9 46.6 69.8

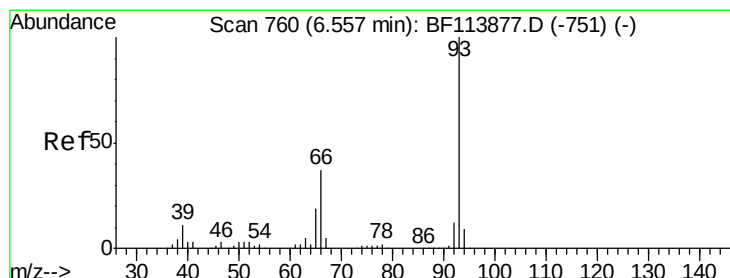
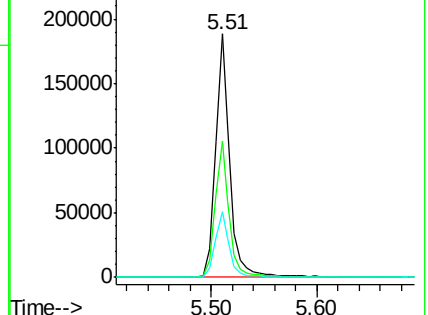
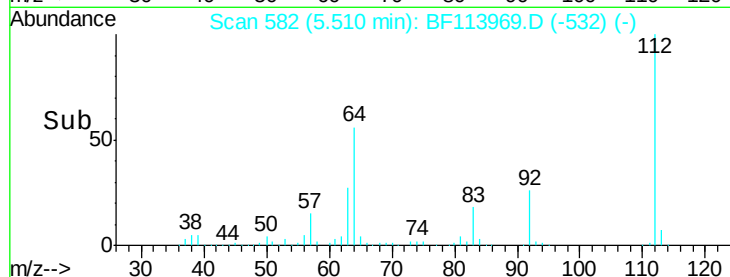
63 27.2 23.1 34.7



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



#6

Aniline

Concen: 0.018 ng

RT: 6.66 min Scan# 778

Delta R.T. 0.11 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

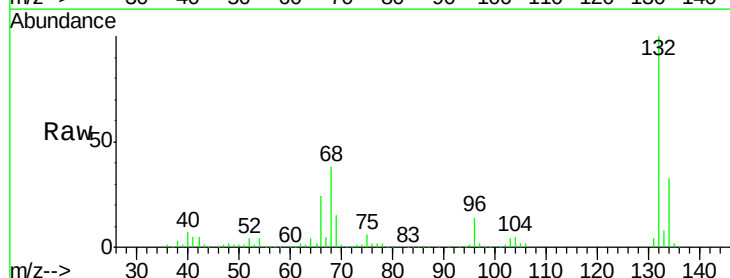
Tgt Ion: 93 Resp: 229

Ion Ratio Lower Upper

93 100

66 16212.8 29.8 44.6#

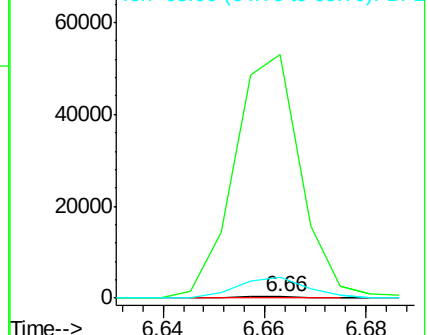
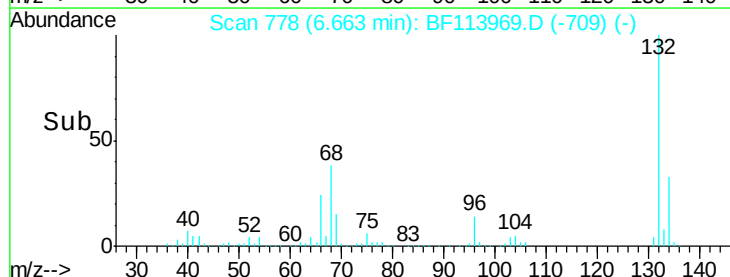
65 1433.6 14.9 22.3#

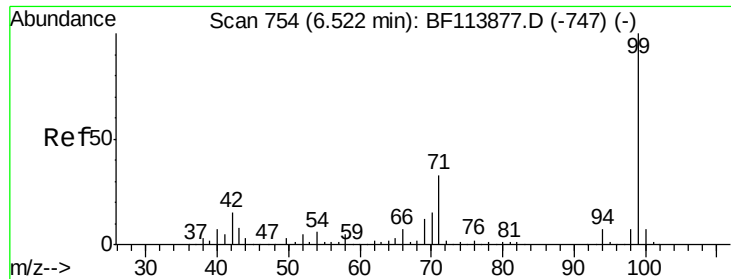


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 26.187 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampleId :

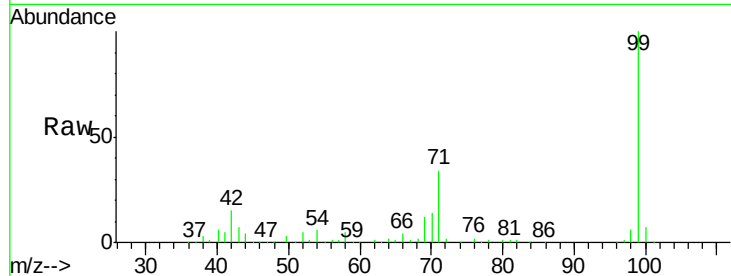
Tot Ion: 99 Resp: 239654

Ion Ratio Lower Upper

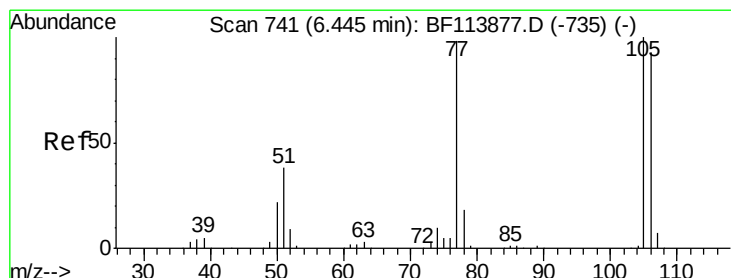
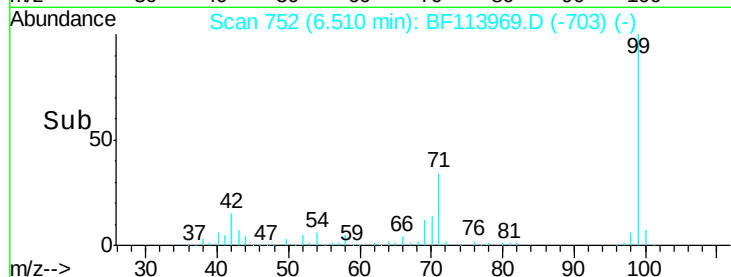
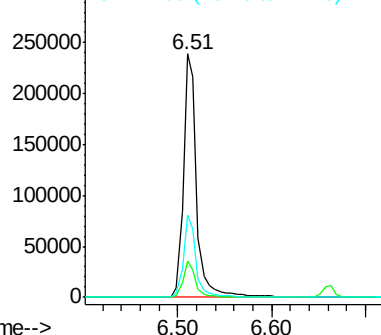
99 100

42 14.8 12.5 18.7

71 33.6 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: 6.51 min Scan# 752

Delta R.T. 0.07 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

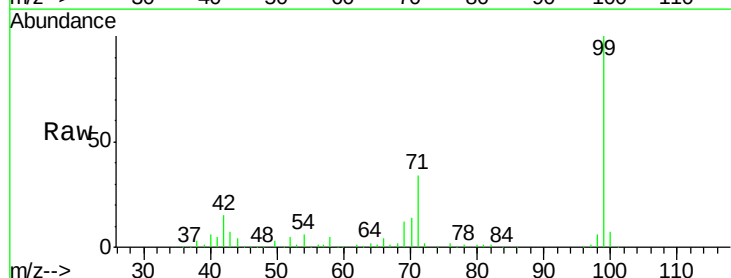
Tgt Ion: 77 Resp: 283

Ion Ratio Lower Upper

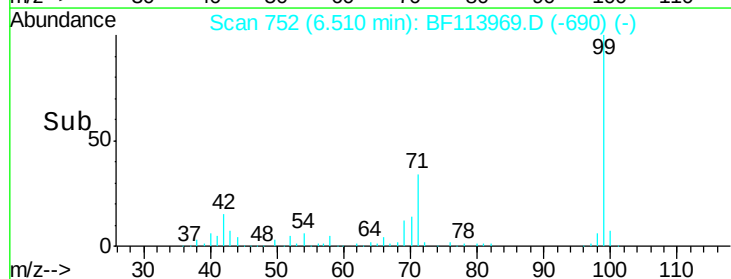
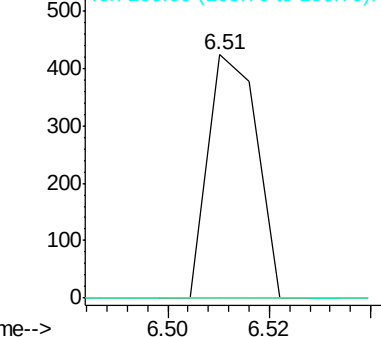
77 100

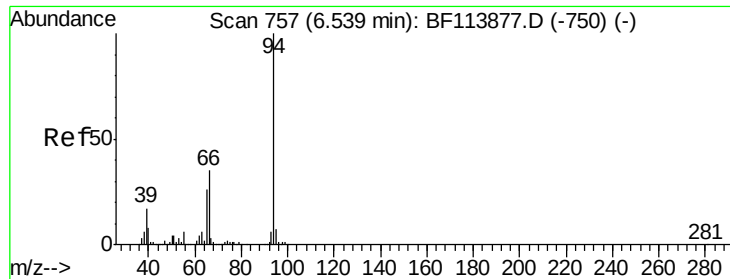
105 0.0 74.1 114.1#

106 0.0 70.3 110.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B

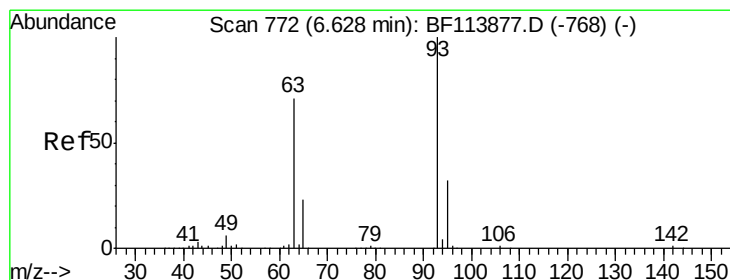
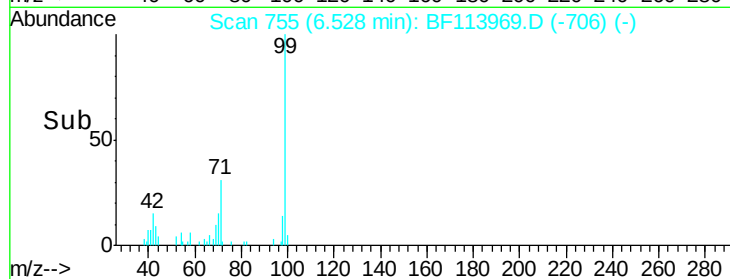
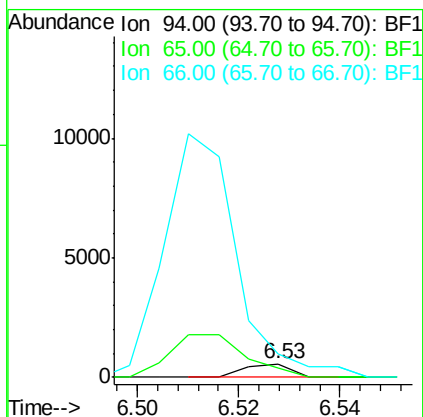
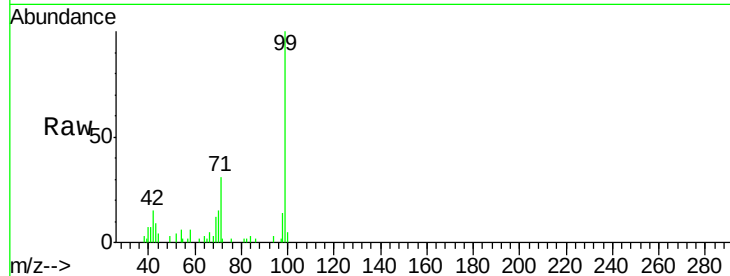




#10
Phenol
Concen: 0.033 ng
RT: 6.53 min Scan# 755
Delta R.T. -0.01 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

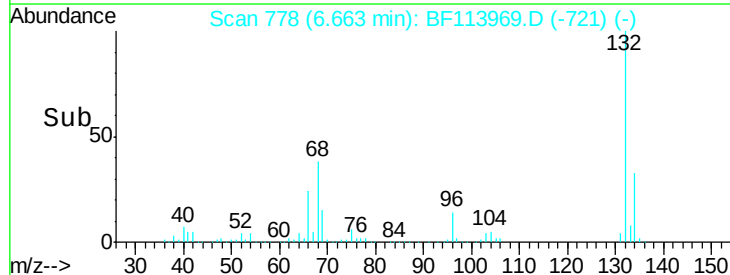
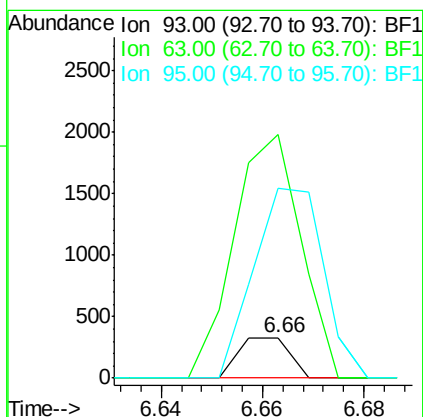
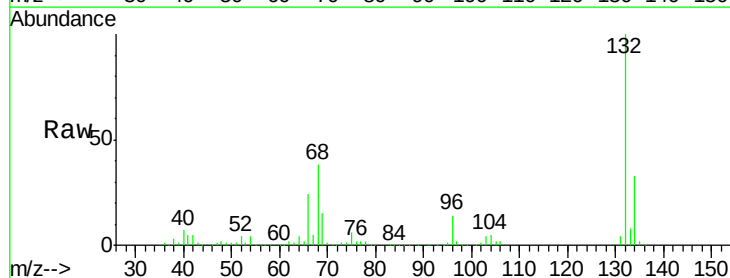
Instrument :
BNA_F
ClientSampled :

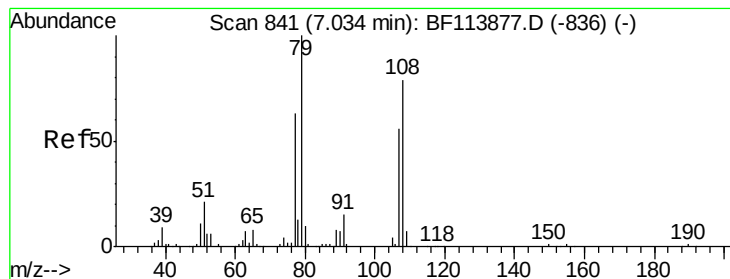
Tot Ion: 94 Resp: 358
Ion Ratio Lower Upper
94 100
65 66.7 8.1 48.1#
66 172.8 16.6 56.6#



#11
bis(2-Chloroethyl)ether
Concen: 0.028 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.04 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Tgt Ion: 93 Resp: 229
Ion Ratio Lower Upper
93 100
63 605.8 50.7 90.7#
95 472.8 12.3 52.3#





#15

Benzyl Alcohol

Concen: 0.376 ng

RT: 7.05 min Scan# 844

Delta R.T. 0.02 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampleId :

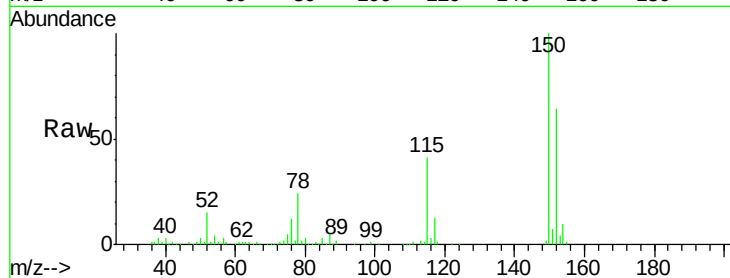
Tot Ion: 79 Resp: 2320

Ion Ratio Lower Upper

79 100

108 28.2 61.4 92.0#

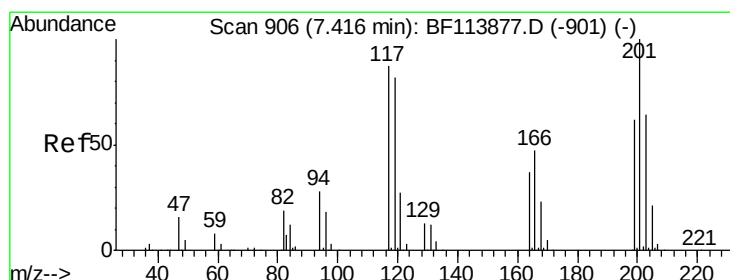
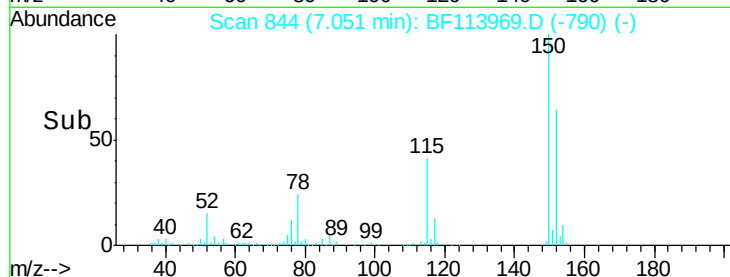
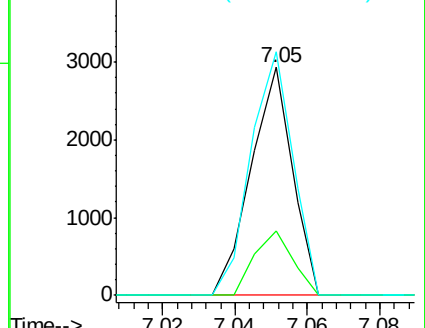
77 107.0 51.6 77.4#



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: 0.057 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.05 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

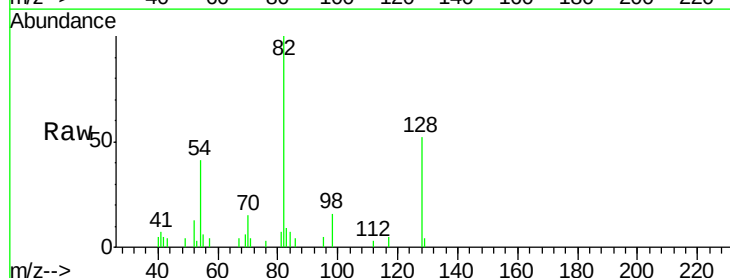
Tgt Ion: 117 Resp: 189

Ion Ratio Lower Upper

117 100

119 0.0 74.4 111.6#

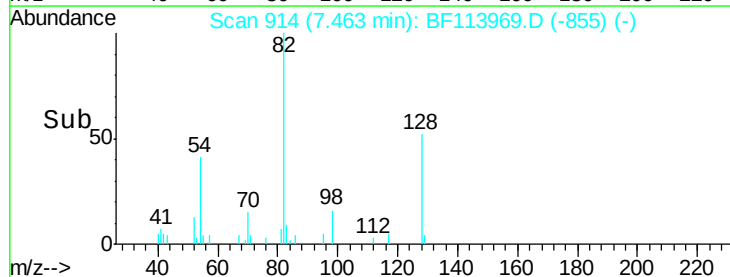
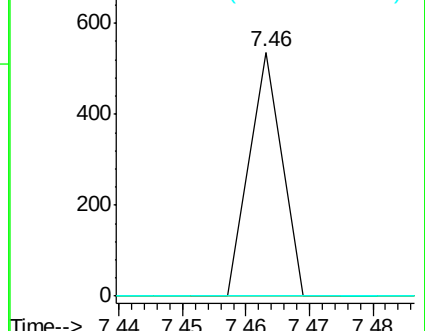
201 0.0 90.2 135.2#

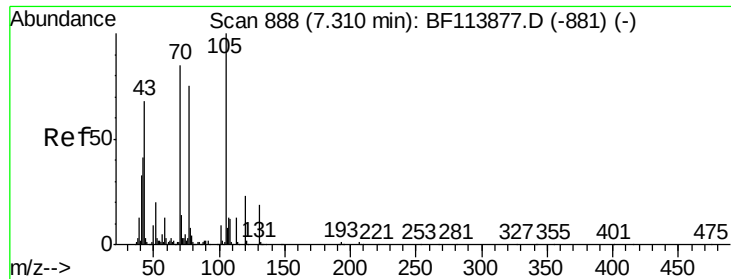


Abundance Ion 117.00 (116.70 to 117.70): BF1

Ion 119.00 (118.70 to 119.70): BF1

Ion 201.00 (200.70 to 201.70): BF1

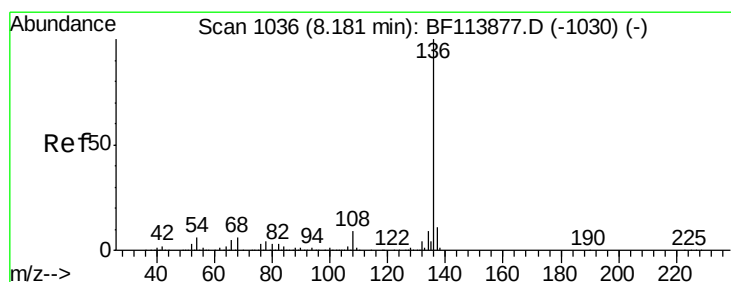
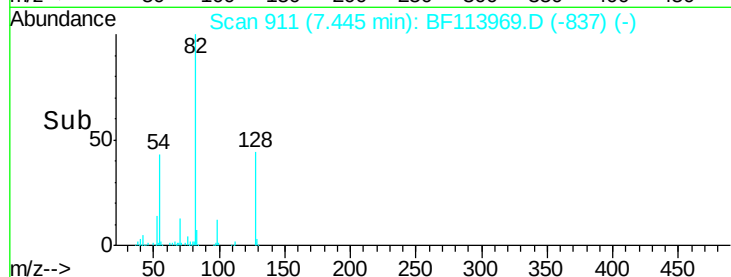
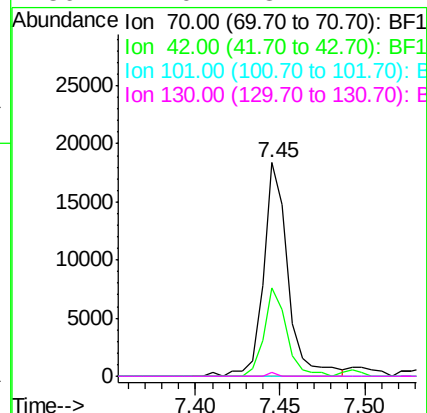
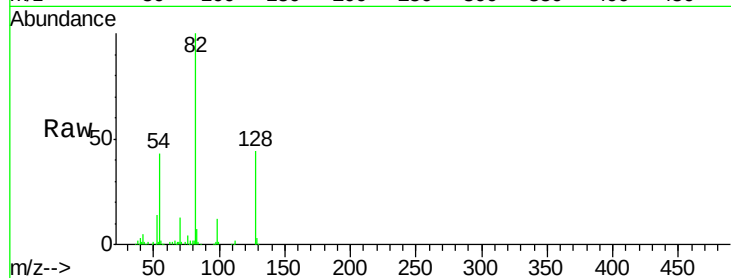




#19
n-Nitroso-di-n-propylamine
Concen: 3.142 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

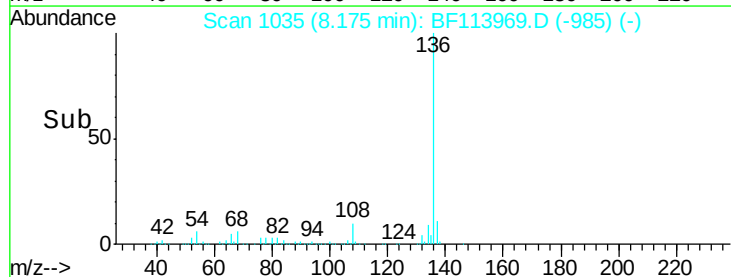
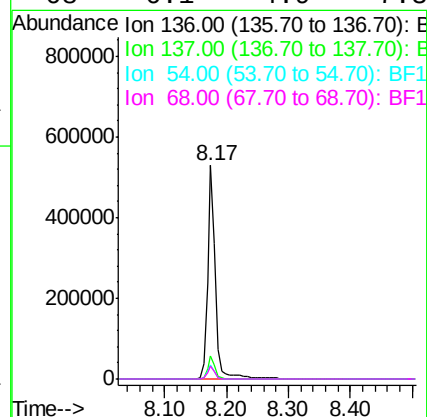
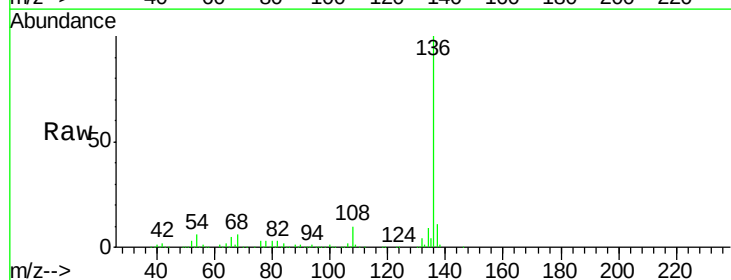
Instrument :
BNA_F
ClientSampleId :

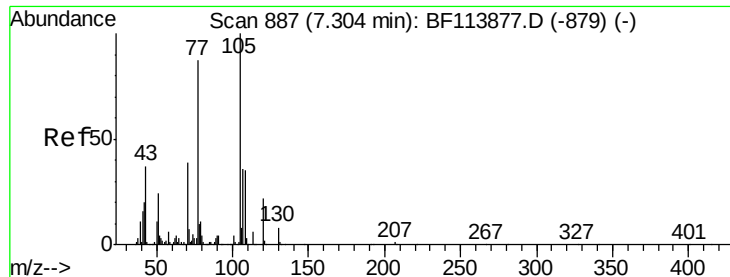
Tot Ion	70	Ratio	Lower	Upper
70	100			
42	41.3	37.3	55.9	
101	0.0	7.8	11.8	
130	2.0	18.2	27.2	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Tgt Ion	136	Ratio	Lower	Upper
136	100			
137	11.1	8.6	12.8	
54	6.4	5.0	7.6	
68	6.1	4.9	7.3	





#22

Acetophenone

Concen: 0.048 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF113969.D

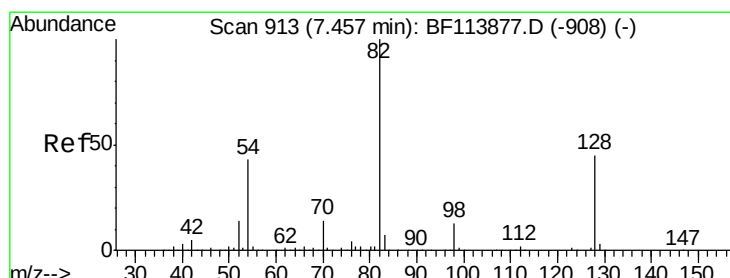
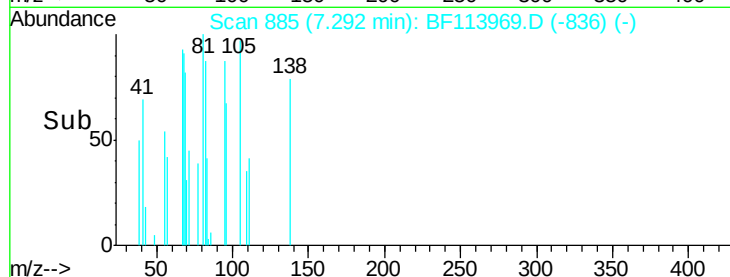
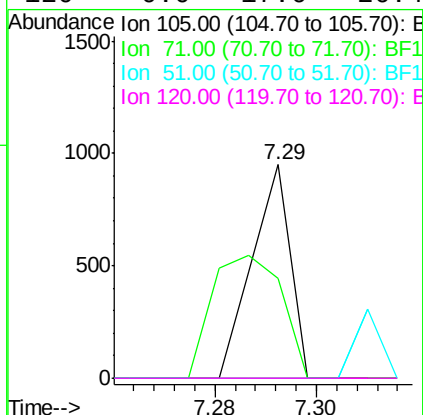
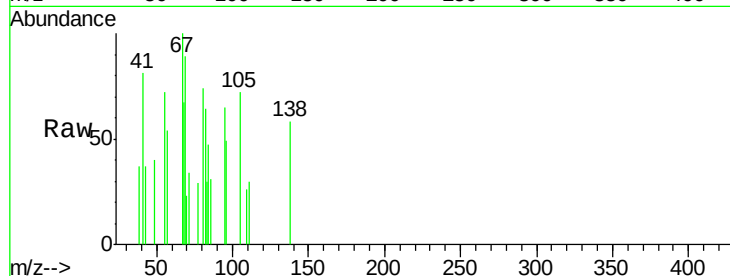
Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	105	Resp:	501
Ion	Ratio	Lower	Upper
105	100		
71	46.7	6.1	9.1#
51	0.0	16.8	25.2#
120	0.0	17.6	26.4#



#23

Nitrobenzene-d5

Concen: 17.872 ng

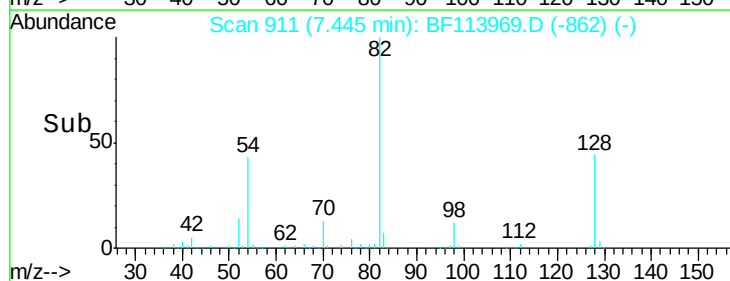
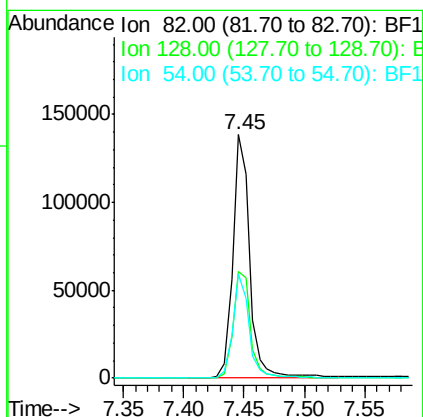
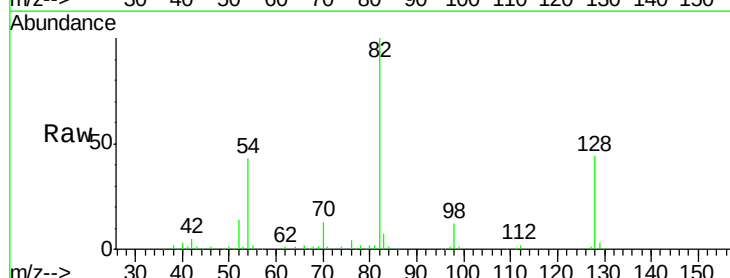
RT: 7.45 min Scan# 911

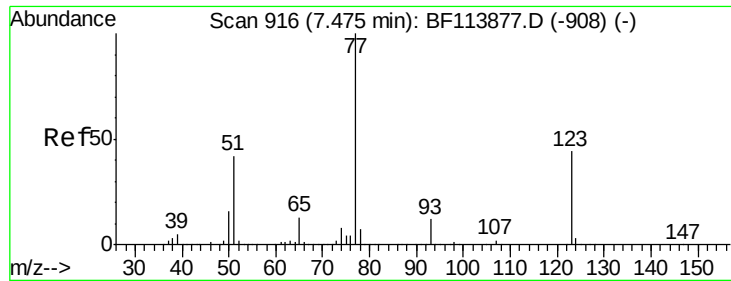
Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Tgt Ion:	82	Resp:	136397
Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.8	55.2
54	43.0	33.8	50.6

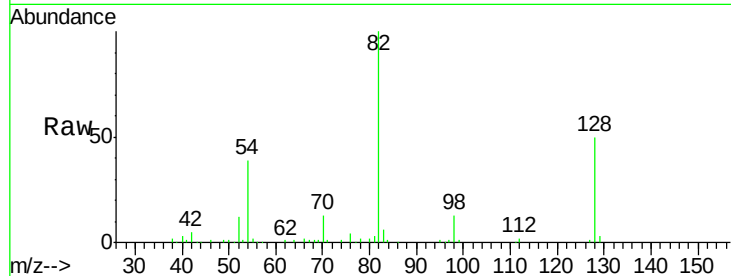




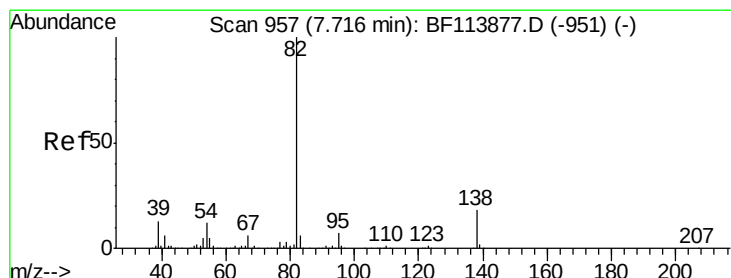
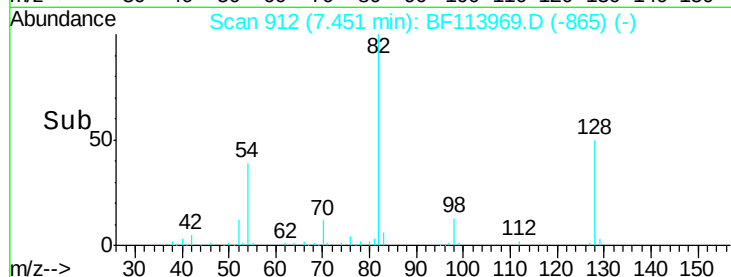
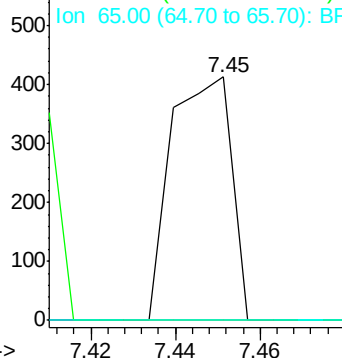
#24
Nitrobenzene
Concen: 0.049 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	36.3	54.5#
65	0.0	10.3	15.5#

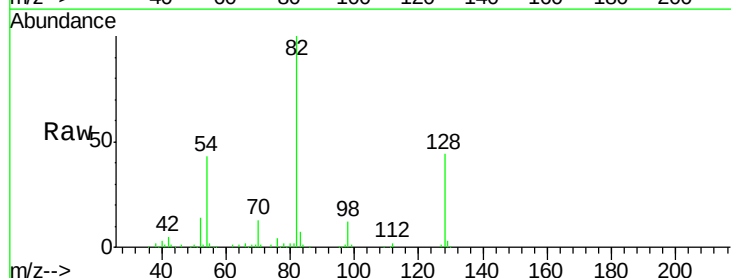


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

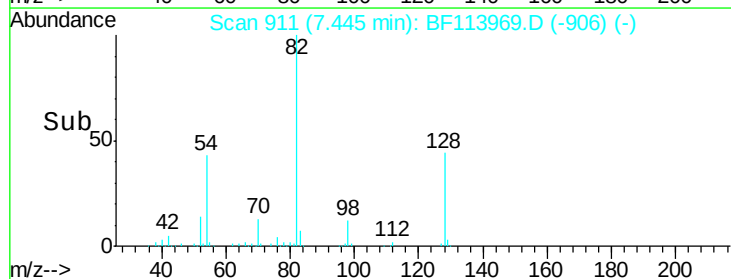
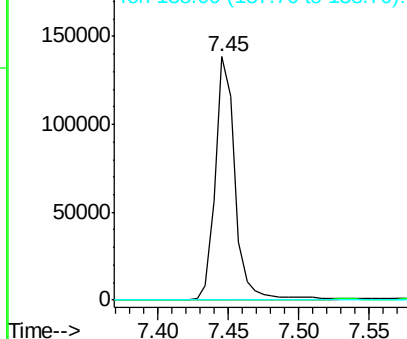


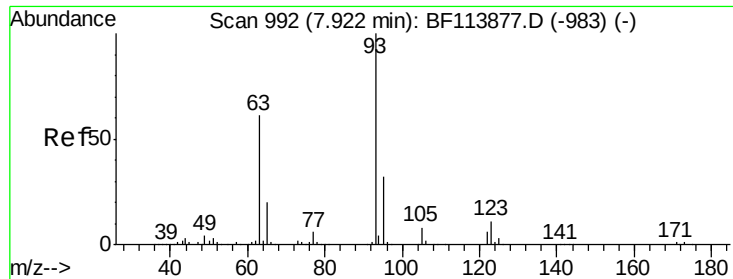
#25
Isophorone
Concen: 8.581 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.27 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.4	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

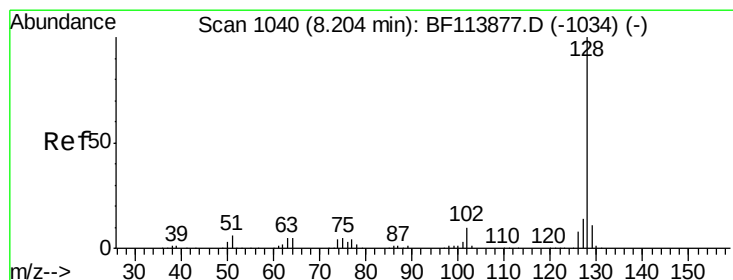
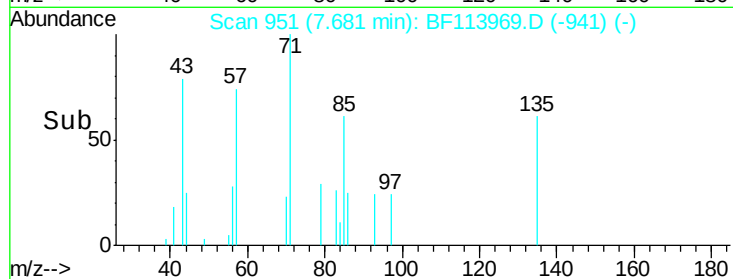
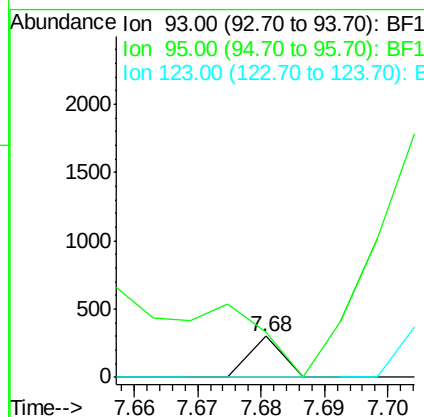
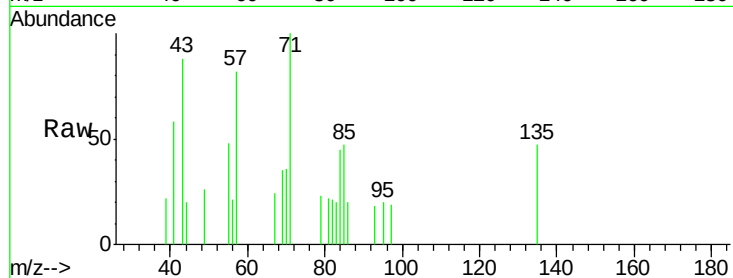




#28
bis(2-Chloroethoxy)methane
Concen: 0.011 ng
RT: 7.68 min Scan# 951
Delta R.T. -0.24 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

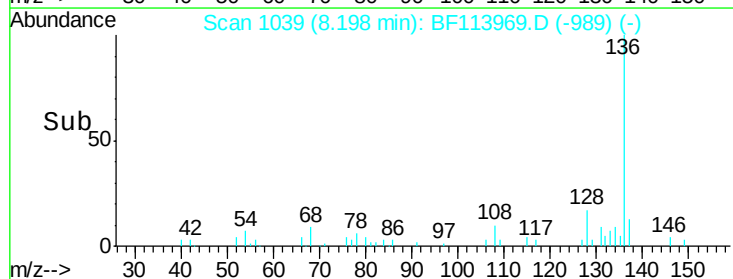
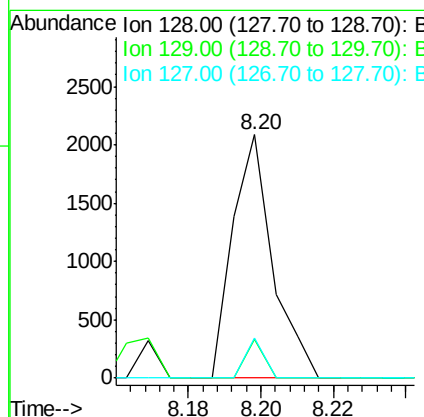
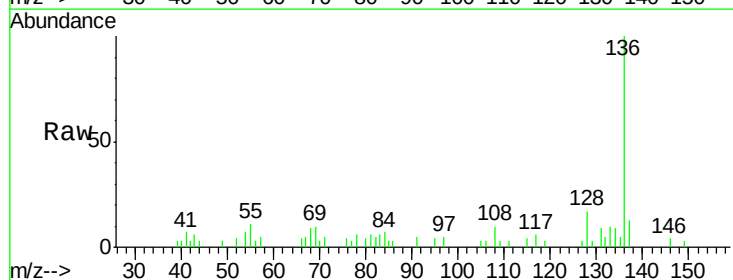
Instrument :
BNA_F
ClientSampleId :

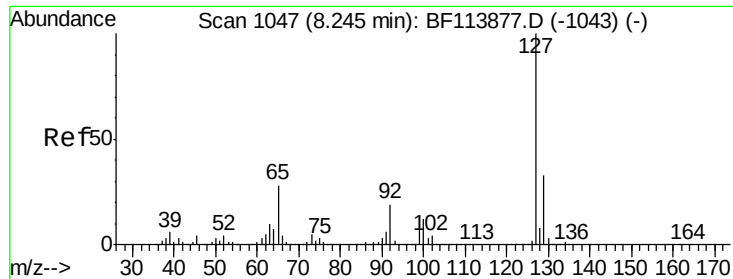
Tot Ion: 93 Resp: 107
Ion Ratio Lower Upper
93 100
95 109.9 25.8 38.6#
123 0.0 9.0 13.6#



#31
Naphthalene
Concen: 0.072 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Tgt Ion: 128 Resp: 1607
Ion Ratio Lower Upper
128 100
129 15.7 9.4 14.0#
127 16.3 10.8 16.2#

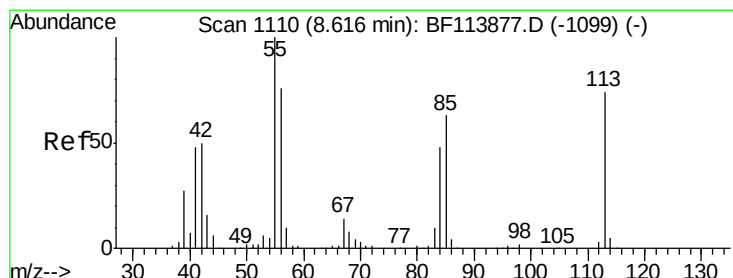
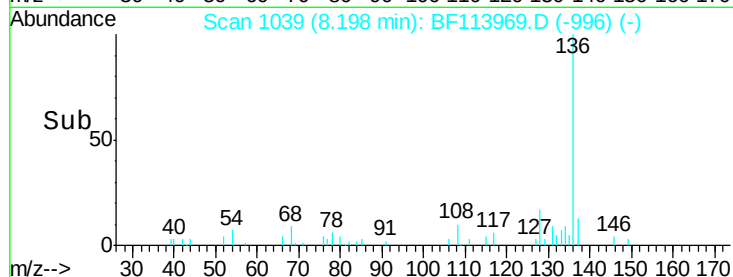
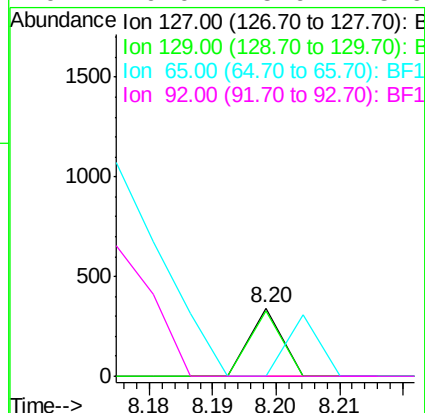
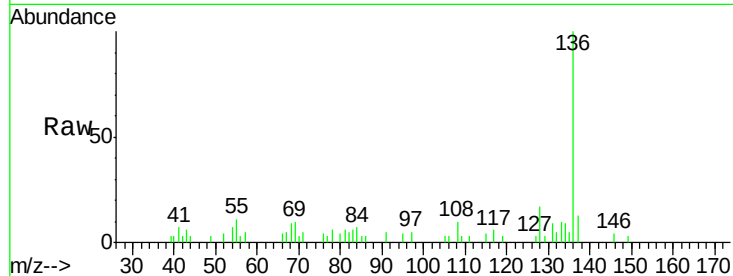




#33
4-Chloroaniline
Concen: 0.013 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

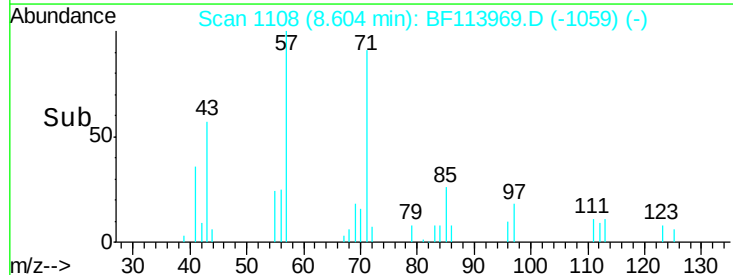
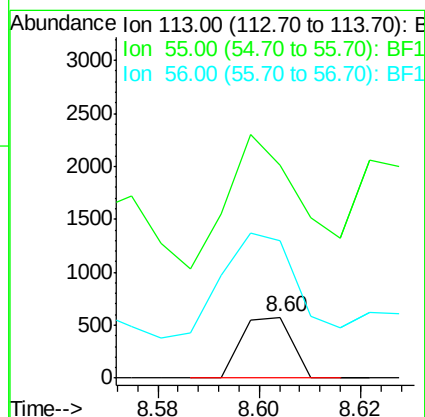
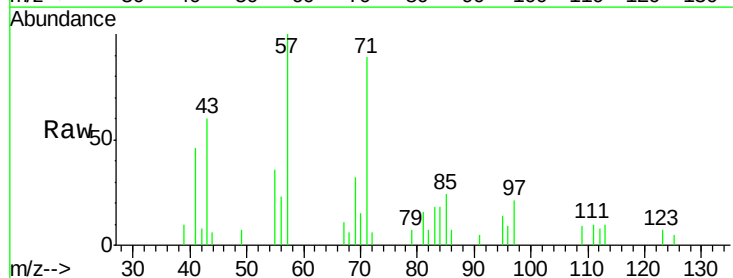
Instrument :
BNA_F
ClientSampleId :

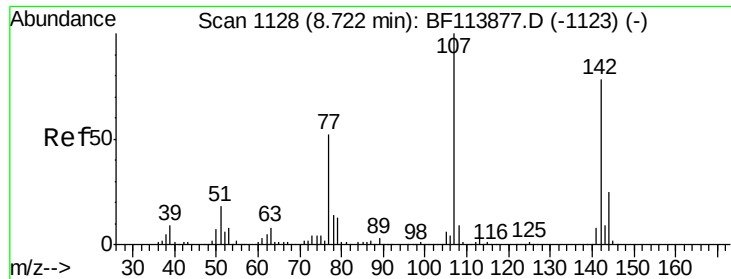
Tot Ion:127	Resp:	120
Ion Ratio	Lower	Upper
127	100	
129	96.2	26.4 39.6#
65	0.0	24.9 37.3#
92	0.0	15.9 23.9#



#35
Caprolactam
Concen: 0.174 ng
RT: 8.60 min Scan# 1108
Delta R.T. -0.01 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Tgt Ion:113	Resp:	397
Ion Ratio	Lower	Upper
113	100	
55	347.9	128.6 168.6#
56	223.9	91.9 131.9#

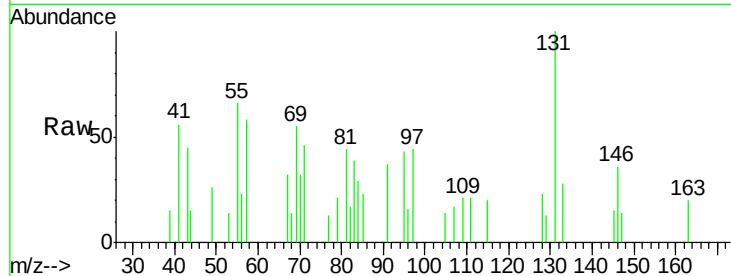




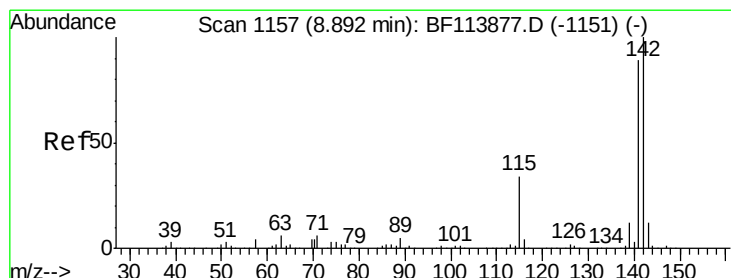
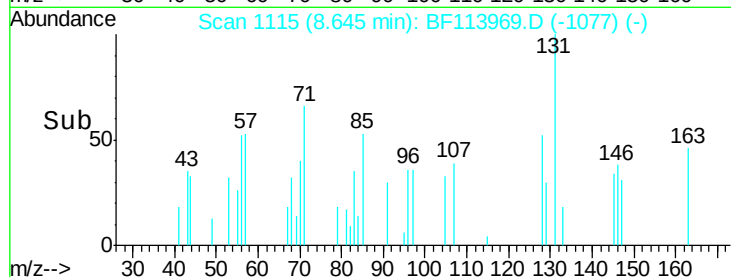
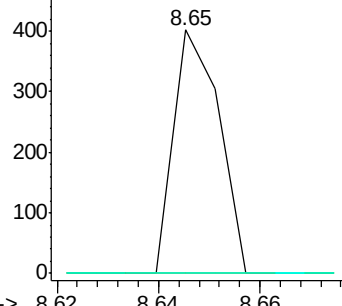
#36
4-Chloro-3-methylphenol
Concen: 0.035 ng
RT: 8.65 min Scan# 1115
Delta R.T. -0.08 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 250
Ion Ratio Lower Upper
107 100
144 0.0 20.5 30.7#
142 0.0 64.2 96.4#

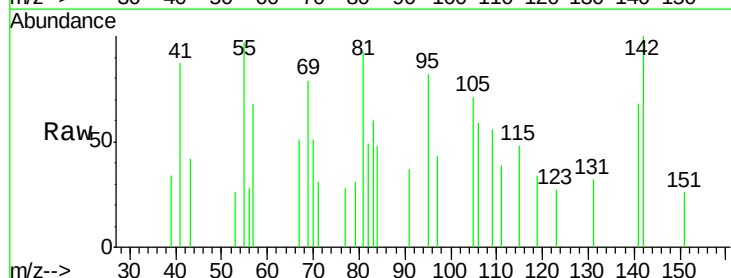


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

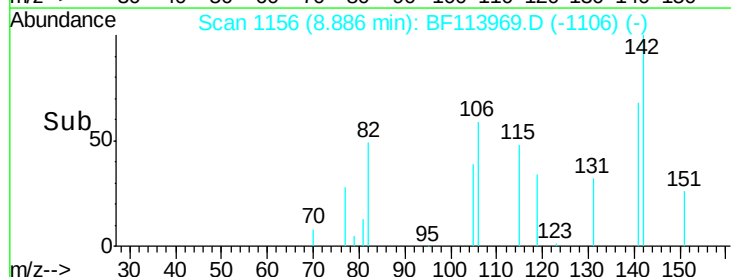
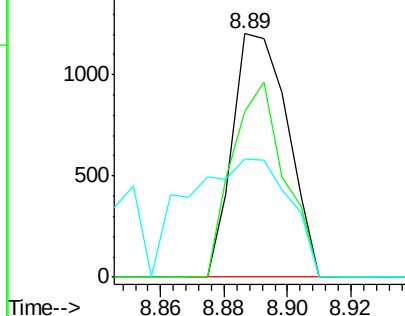


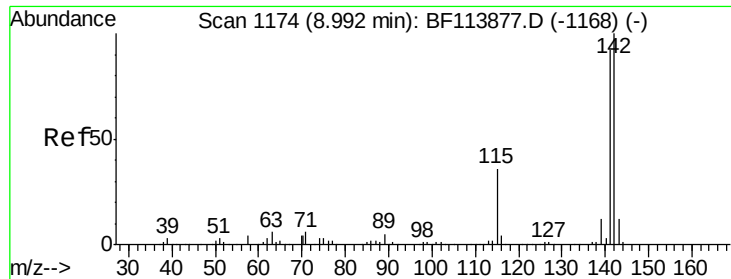
#37
2-Methylnaphthalene
Concen: 0.096 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Tgt Ion:142 Resp: 1447
Ion Ratio Lower Upper
142 100
141 68.1 70.4 105.6#
115 48.5 26.3 39.5#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

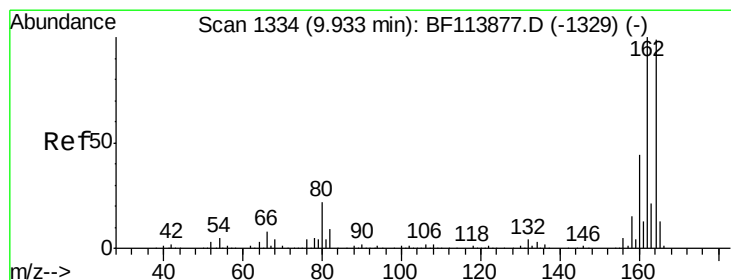
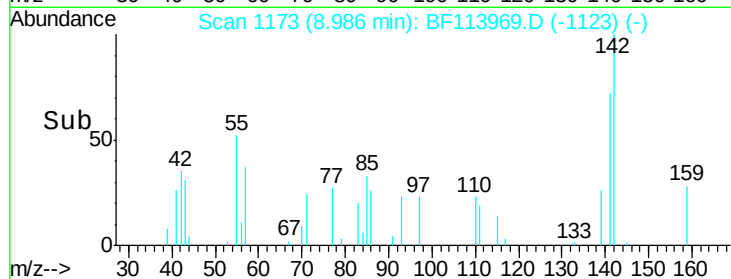
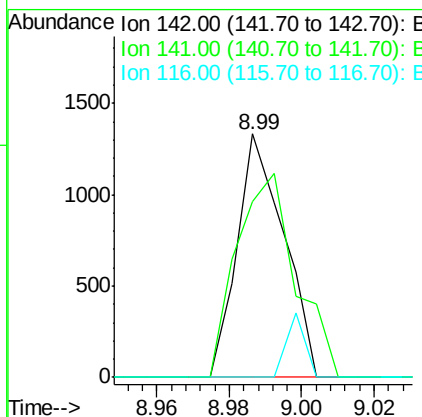
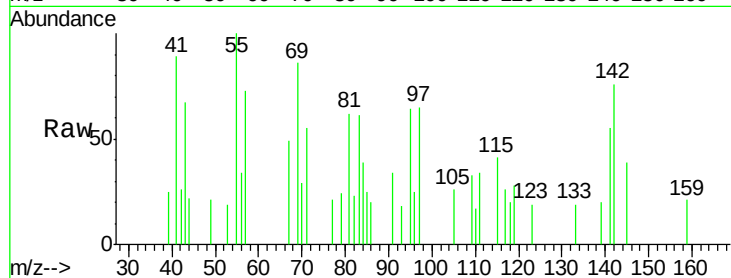




#38
 1-Methylnaphthalene
 Concen: 0.082 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF113969.D
 Acq: 24 Apr 2019 18:41

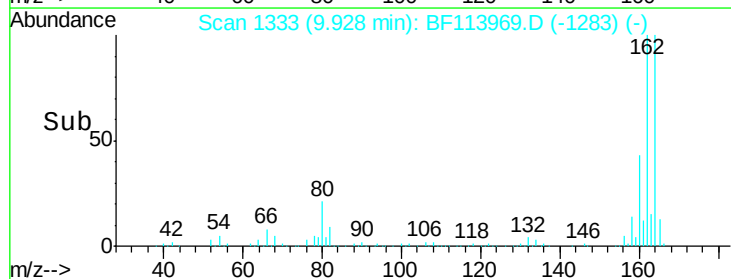
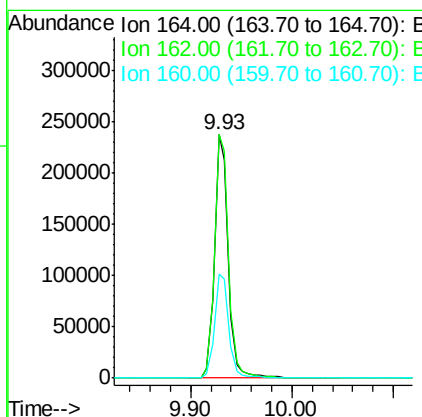
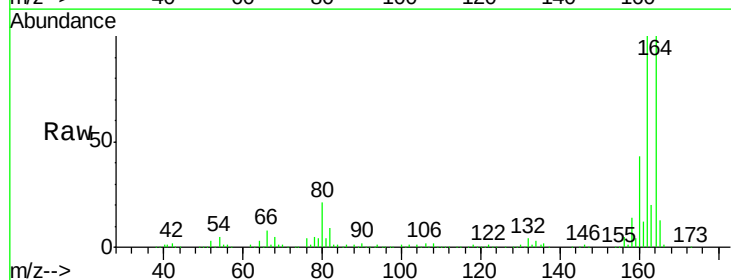
Instrument :
 BNA_F
 ClientSampleId :

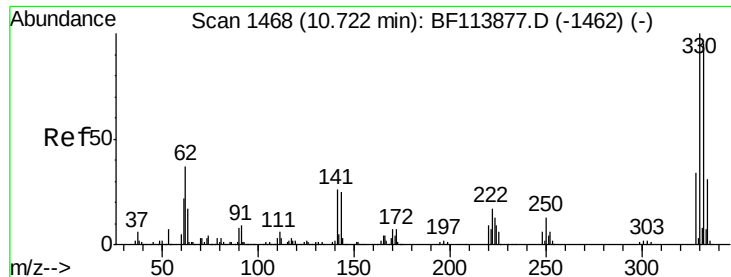
Tot Ion:142 Resp: 1195
 Ion Ratio Lower Upper
 142 100
 141 72.1 72.3 108.5#
 116 0.0 3.0 4.4#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF113969.D
 Acq: 24 Apr 2019 18:41

Tgt Ion:164 Resp: 222438
 Ion Ratio Lower Upper
 164 100
 162 99.9 81.1 121.7
 160 42.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 20.128 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampleId :

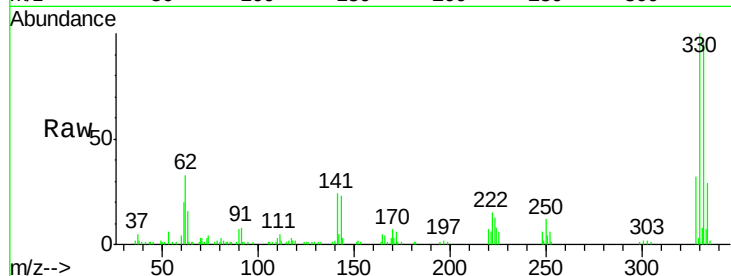
Tot Ion:330 Resp: 54541

Ion Ratio Lower Upper

330 100

332 97.1 77.5 116.3

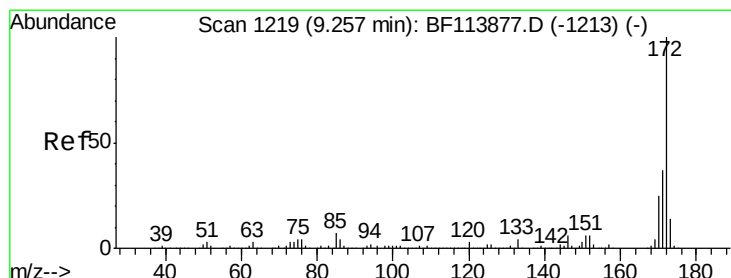
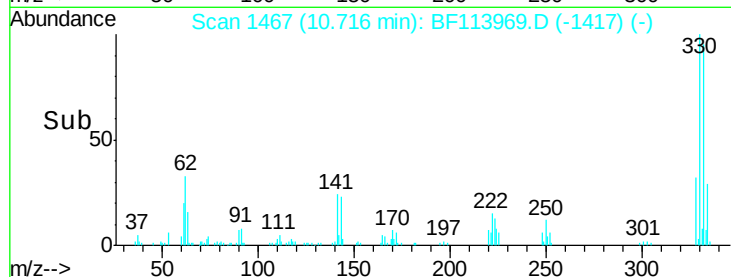
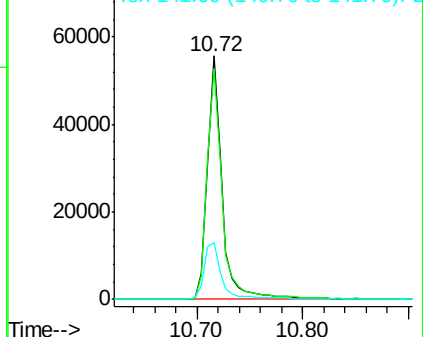
141 26.4 22.2 33.2



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: 19.293 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

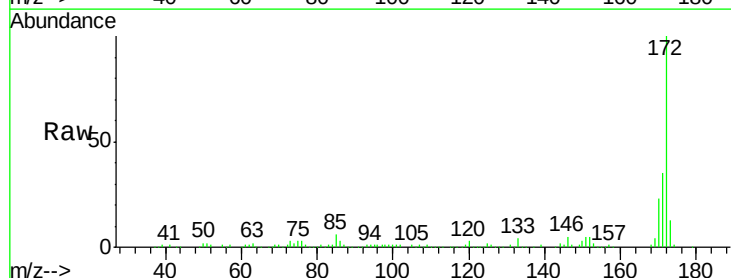
Tgt Ion:172 Resp: 274383

Ion Ratio Lower Upper

172 100

171 35.0 29.4 44.0

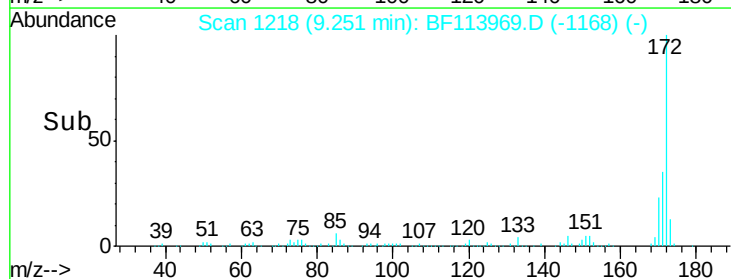
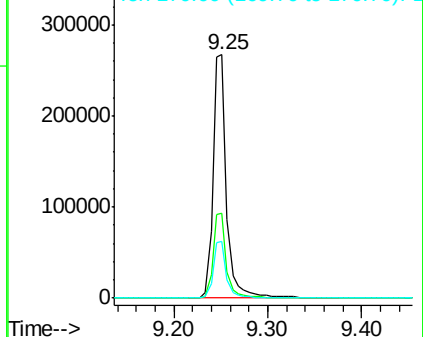
170 23.2 19.9 29.9

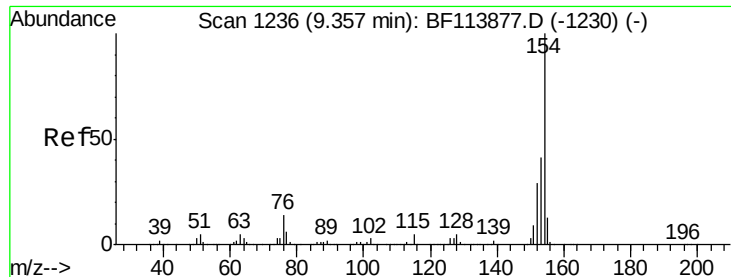


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

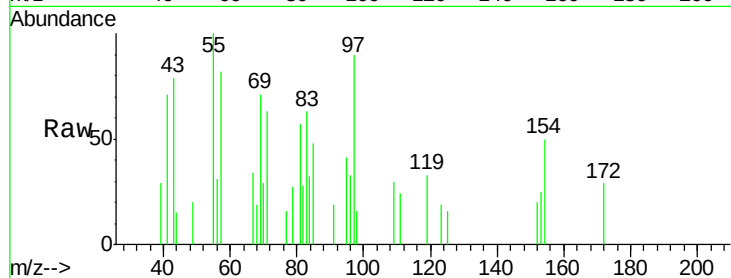




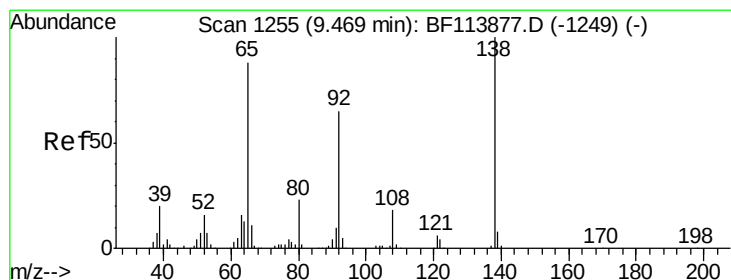
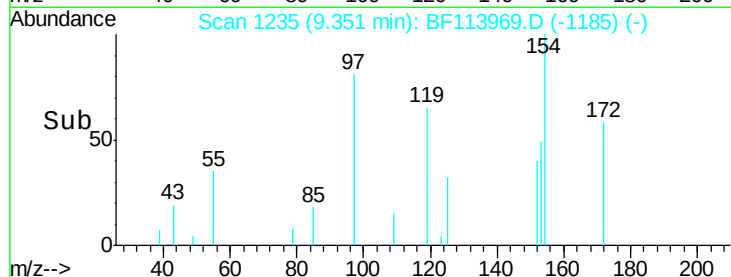
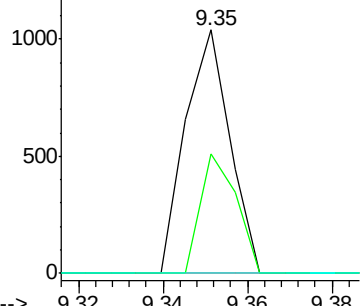
#46
 1,1'-Biphenyl
 Concen: 0.044 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: BF113969.D
 Acq: 24 Apr 2019 18:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:154 Resp: 755
 Ion Ratio Lower Upper
 154 100
 153 48.8 20.8 60.8
 76 0.0 0.0 35.2

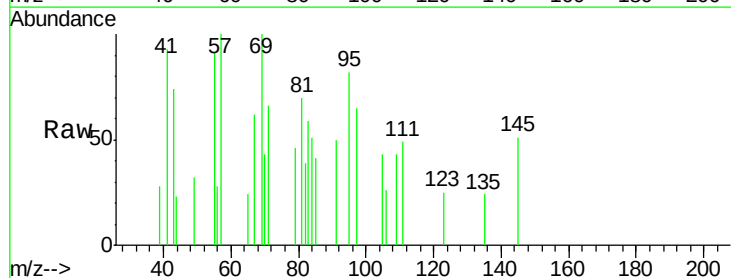


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

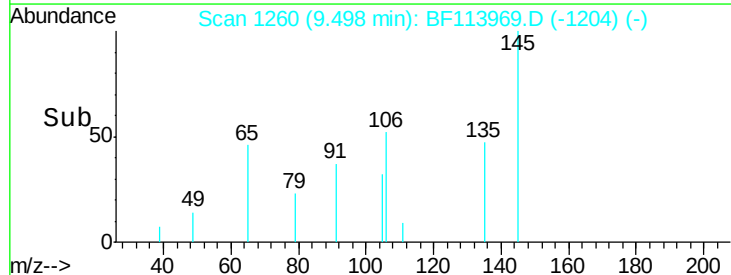
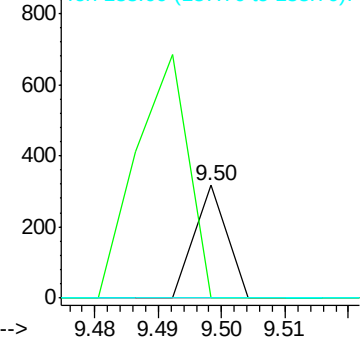


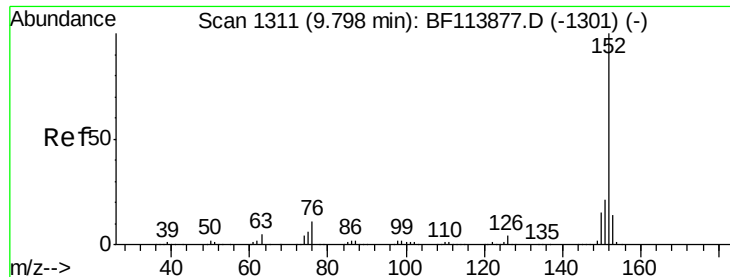
#48
 2-Nitroaniline
 Concen: 0.031 ng
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.03 min
 Lab File: BF113969.D
 Acq: 24 Apr 2019 18:41

Tgt Ion: 65 Resp: 112
 Ion Ratio Lower Upper
 65 100
 92 0.0 57.4 86.0#
 138 0.0 85.4 128.0#



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





#49

Acenaphthylene

Concen: 0.148 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampleId :

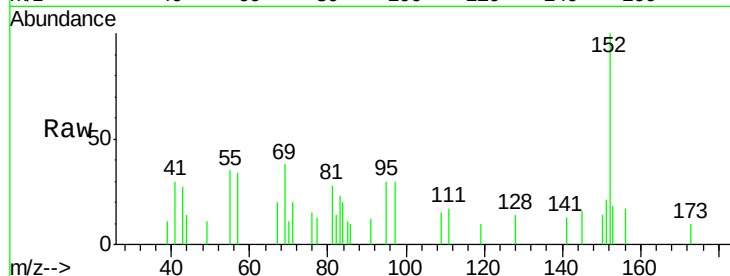
Tot Ion:152 Resp: 3207

Ion Ratio Lower Upper

152 100

151 21.1 17.0 25.4

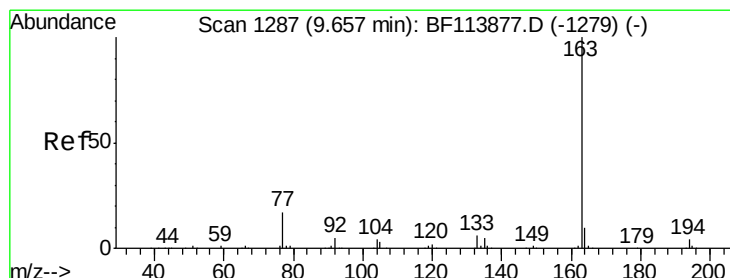
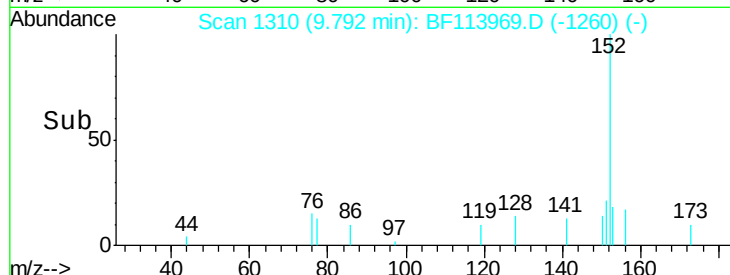
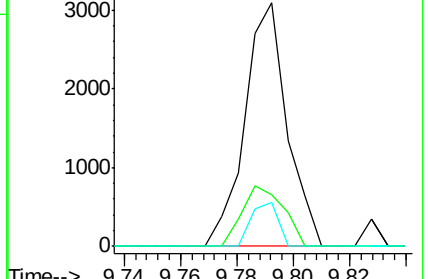
153 18.2 11.0 16.6#



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: 1.395 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

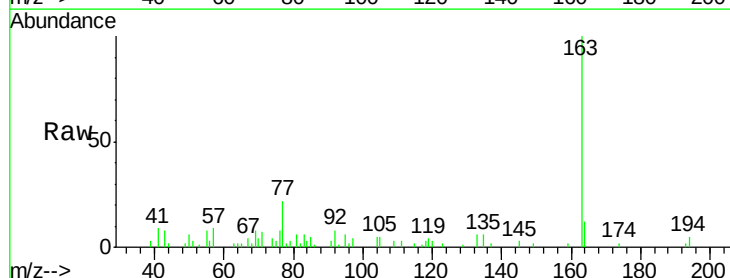
Tgt Ion:163 Resp: 22447

Ion Ratio Lower Upper

163 100

194 5.3 3.4 5.2#

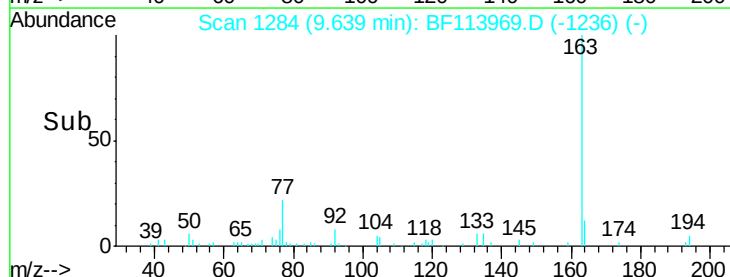
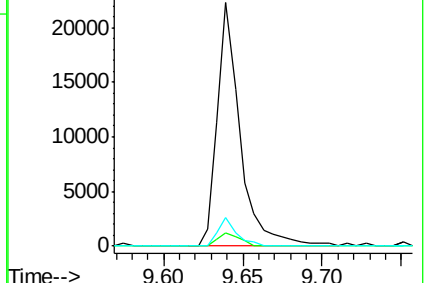
164 11.7 8.5 12.7

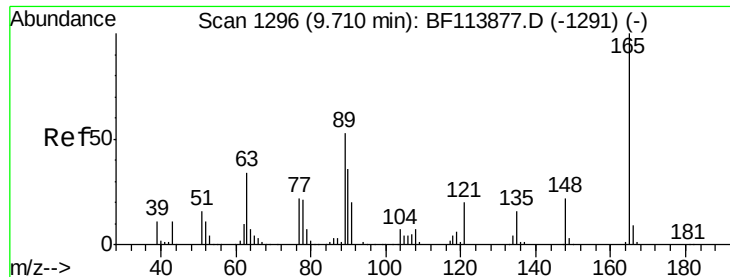


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.255 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampled :

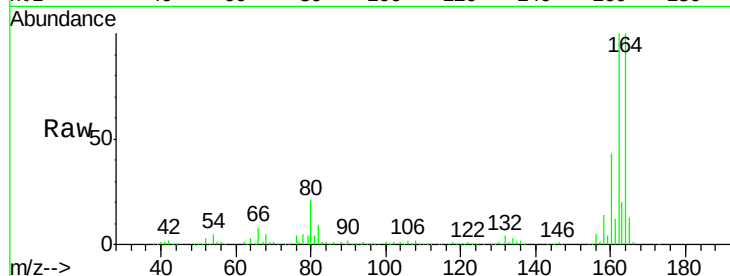
Tot Ion:165 Resp: 28489

Ion Ratio Lower Upper

165 100

63 1.1 33.8 50.8#

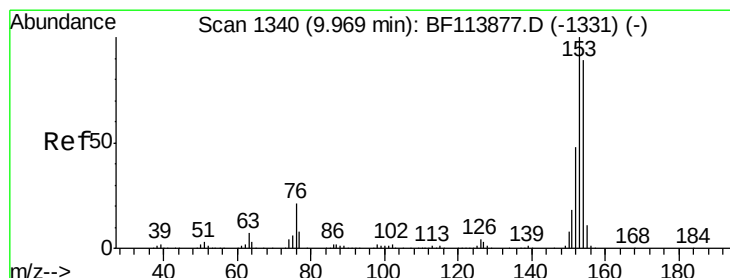
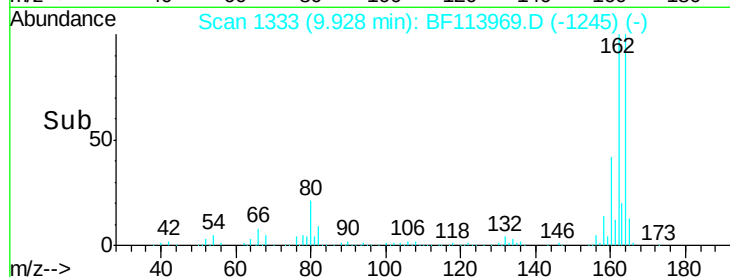
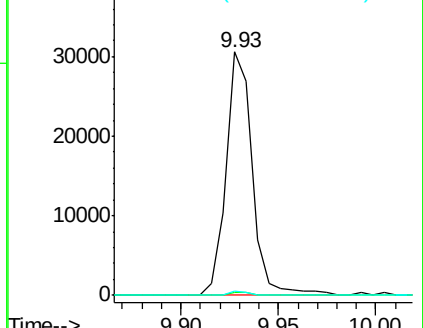
89 1.6 38.2 57.2#



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: 0.123 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

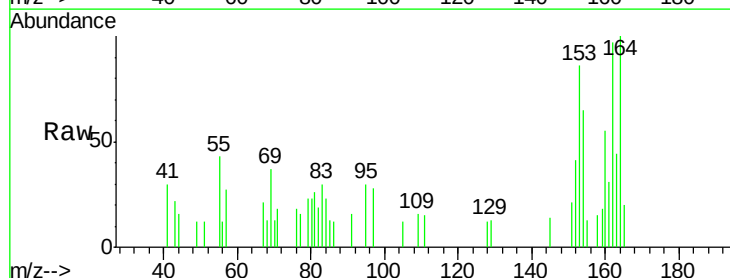
Tgt Ion:154 Resp: 1578

Ion Ratio Lower Upper

154 100

153 132.8 87.2 130.8#

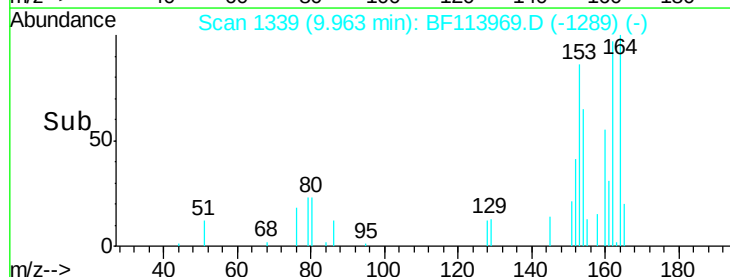
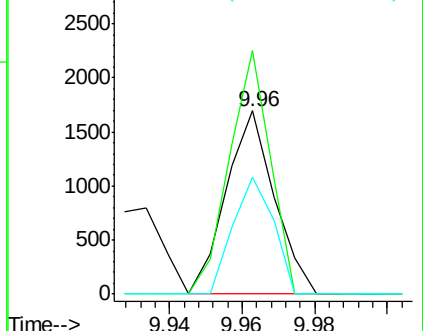
152 63.6 42.3 63.5#

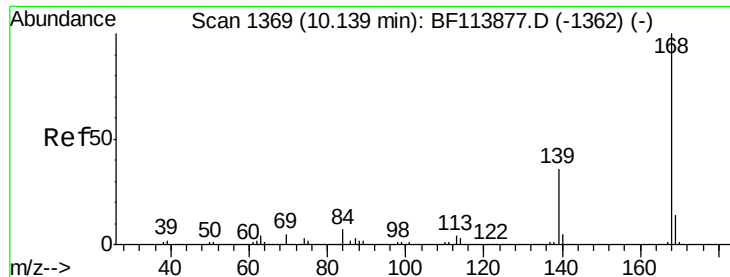


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 0.080 ng

RT: 10.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampleId :

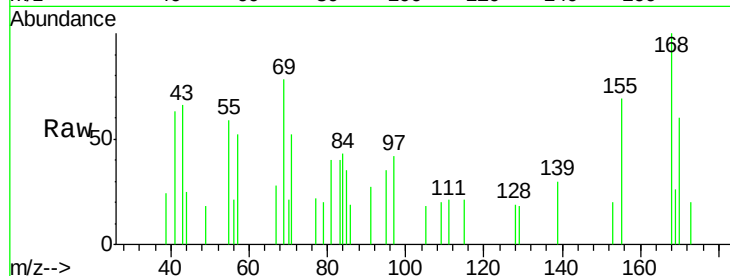
Tot Ion:168 Resp: 1535

Ion Ratio Lower Upper

168 100

139 30.1 27.8 41.6

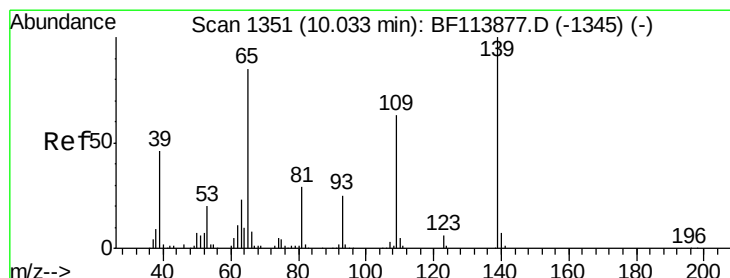
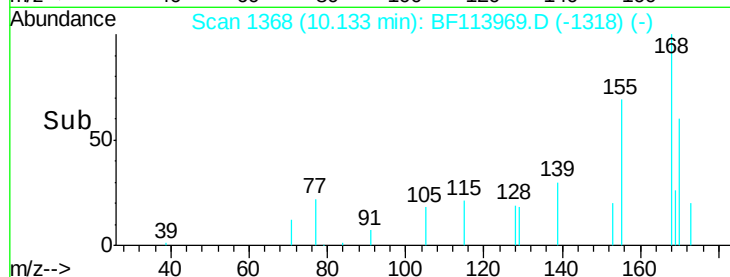
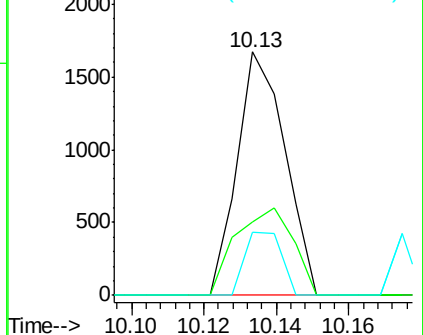
169 25.7 11.0 16.6#



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: 0.229 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.11 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

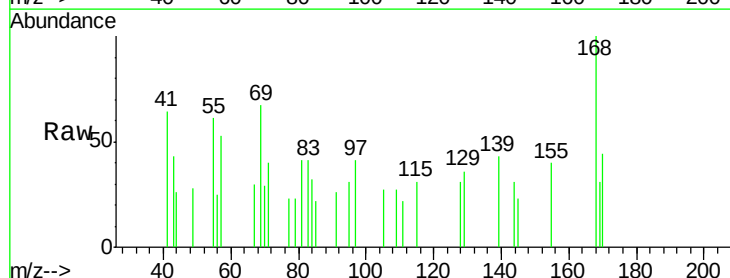
Tgt Ion:139 Resp: 658

Ion Ratio Lower Upper

139 100

109 61.7 42.9 82.9

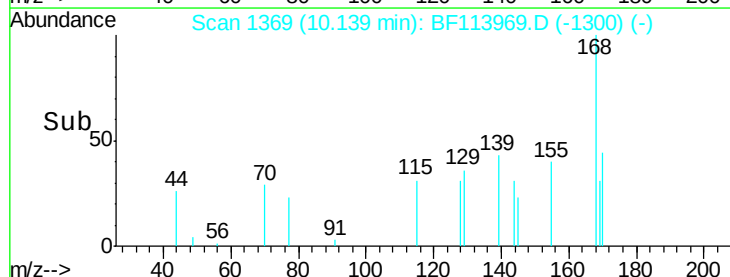
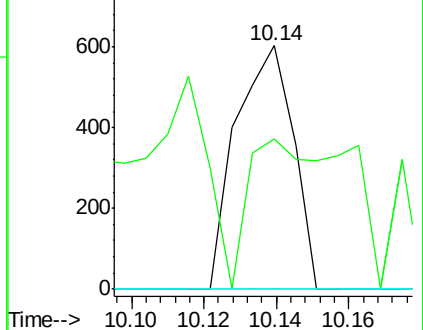
65 0.0 64.4 104.4#

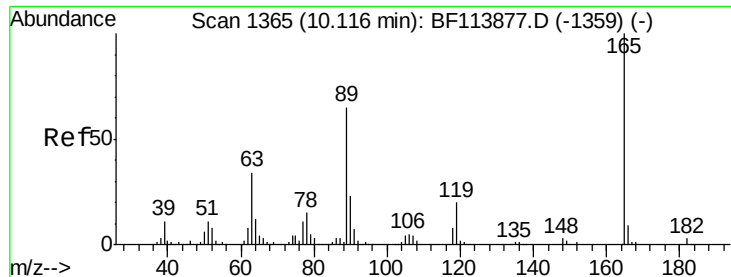


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.540 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 28489

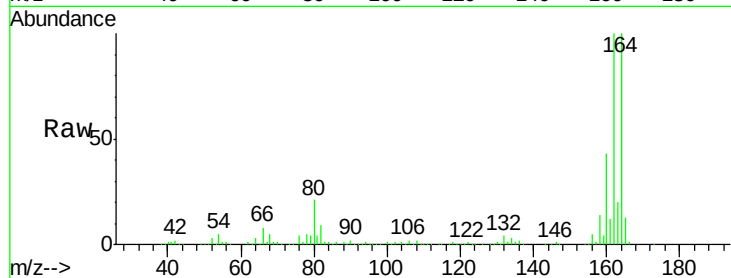
Ion Ratio Lower Upper

165 100

63 1.1 27.4 41.0#

89 1.6 51.8 77.6#

182 0.0 2.2 3.2#

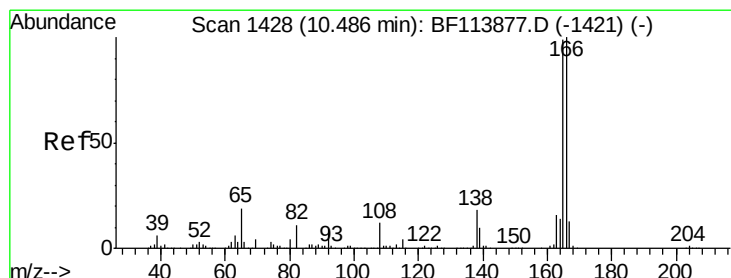
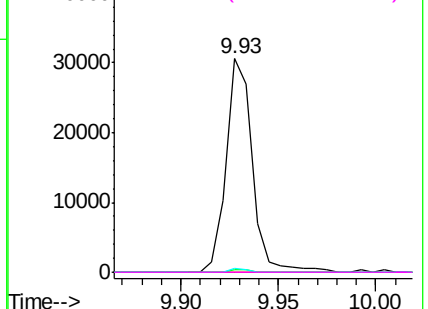
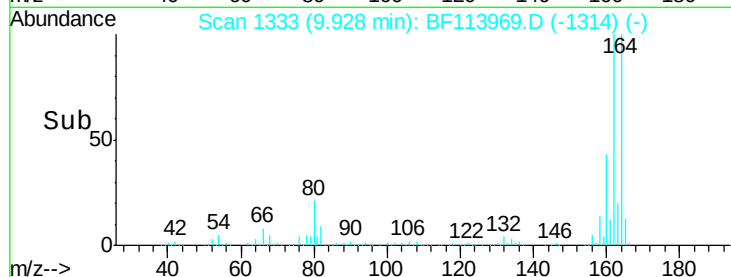


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.210 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

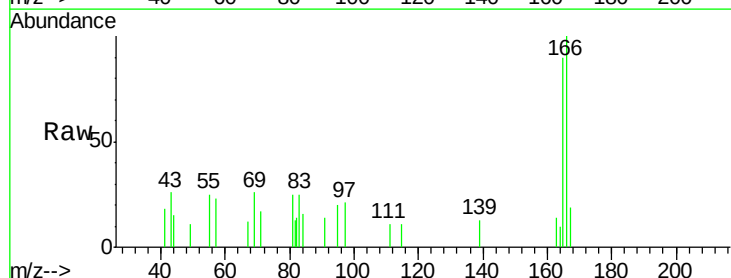
Tgt Ion:166 Resp: 3021

Ion Ratio Lower Upper

166 100

165 89.6 78.4 117.6

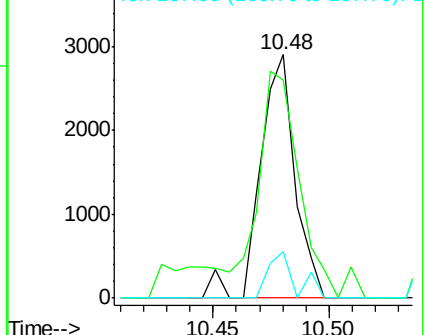
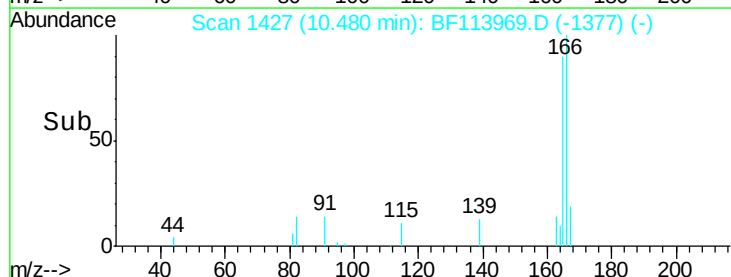
167 19.1 10.9 16.3#

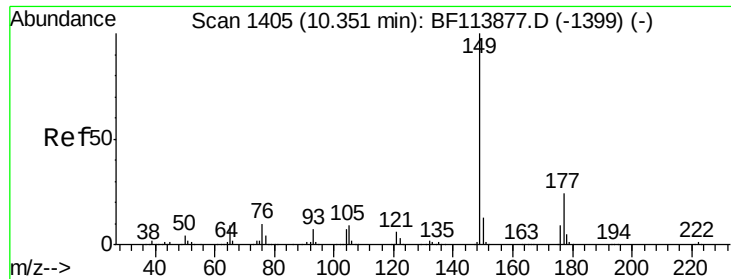


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

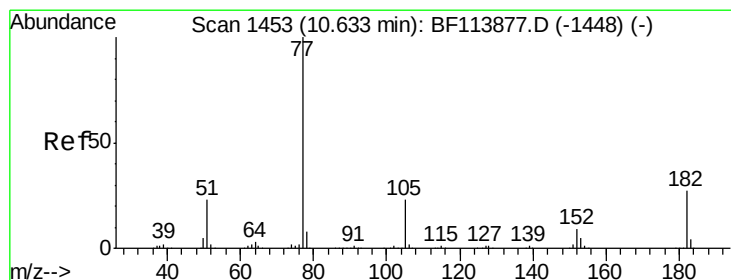
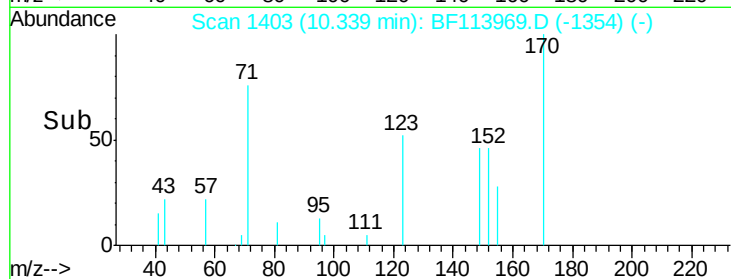
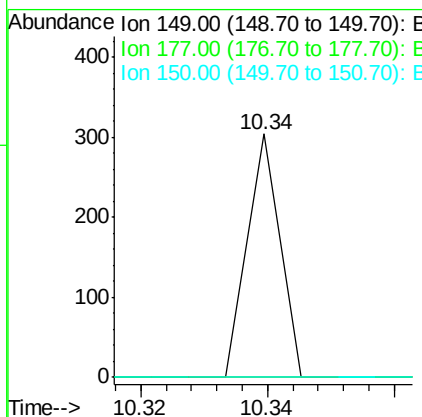
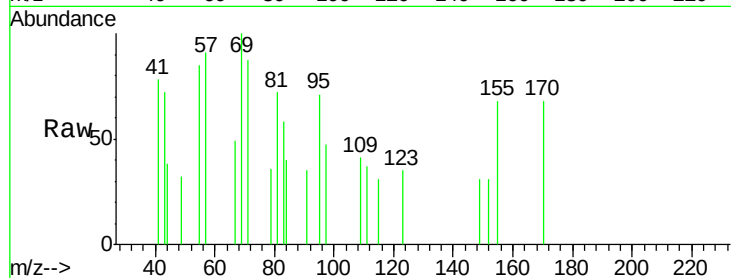




#60
 Diethylphthalate
 Concen: 0.007 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BF113969.D
 Acq: 24 Apr 2019 18:41

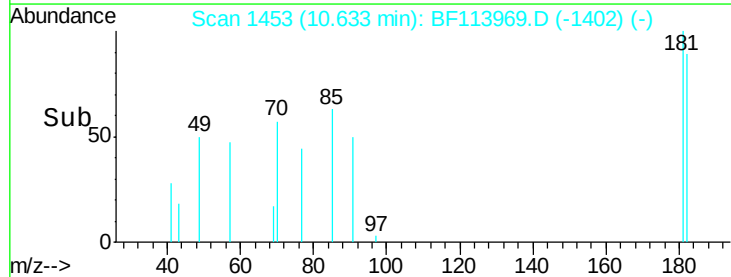
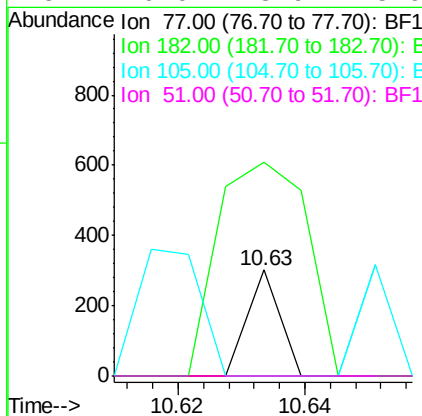
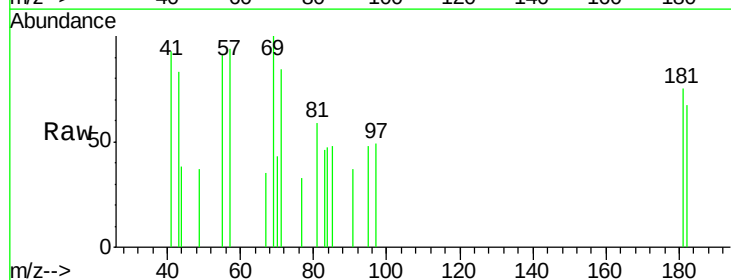
Instrument :
 BNA_F
 ClientSampleId :

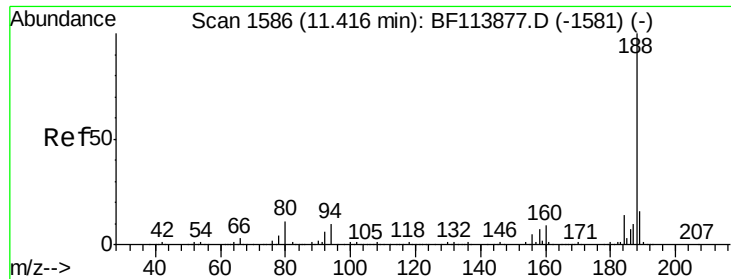
Tot Ion:149 Resp: 107
 Ion Ratio Lower Upper
 149 100
 177 0.0 19.2 28.8#
 150 0.0 10.3 15.5#



#63
 Azobenzene
 Concen: 0.007 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF113969.D
 Acq: 24 Apr 2019 18:41

Tgt Ion: 77 Resp: 107
 Ion Ratio Lower Upper
 77 100
 182 201.3 4.4 44.4#
 105 0.0 2.2 42.2#
 51 0.0 3.9 43.9#

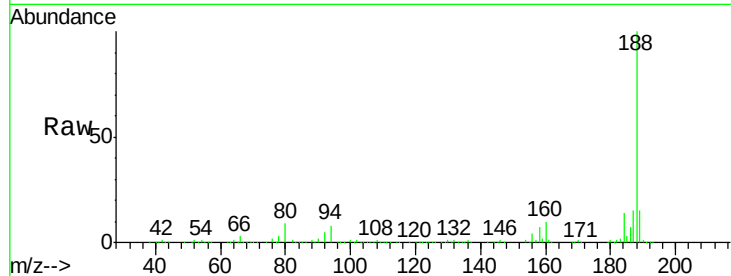




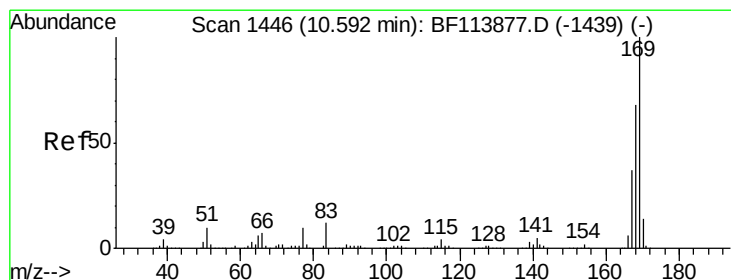
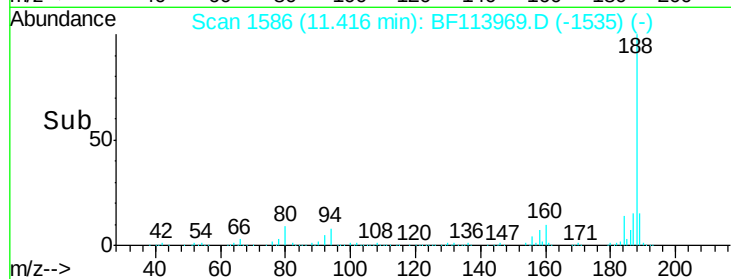
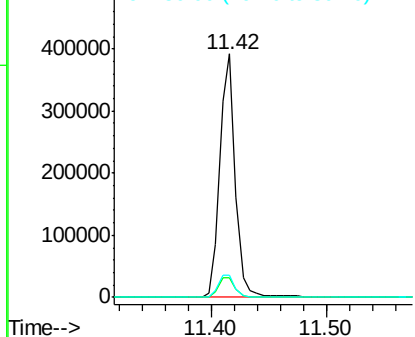
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 363206
Ion Ratio Lower Upper
188 100
94 8.0 8.2 12.4#
80 9.3 9.0 13.6

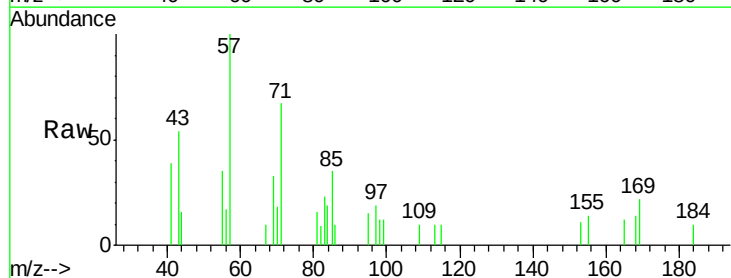


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

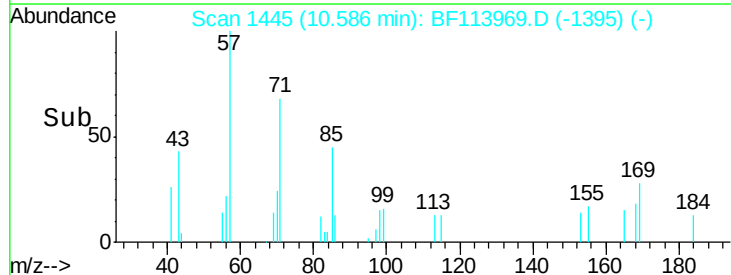
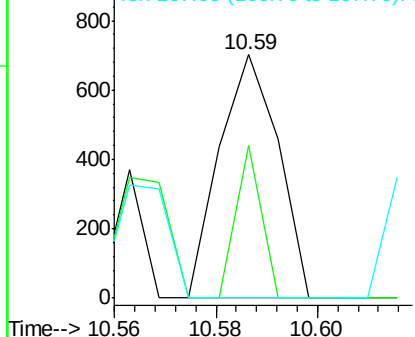


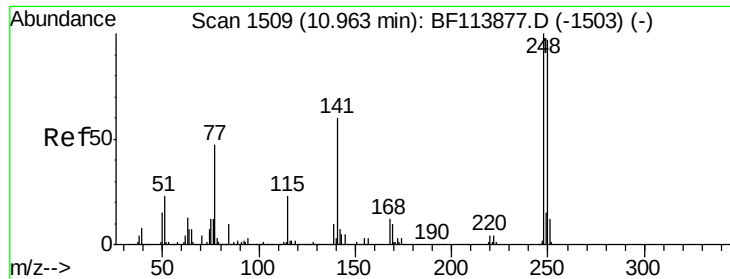
#66
n-Nitrosodiphenylamine
Concen: 0.052 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Tgt Ion:169 Resp: 563
Ion Ratio Lower Upper
169 100
168 63.0 54.3 81.5
167 0.0 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

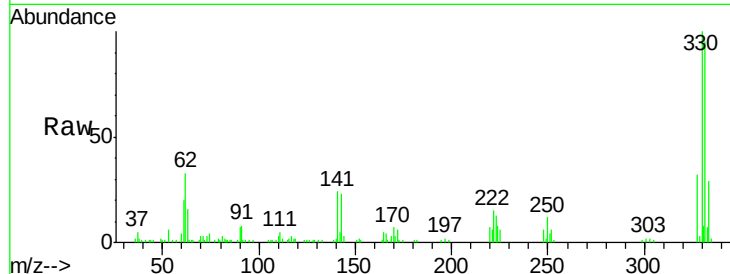




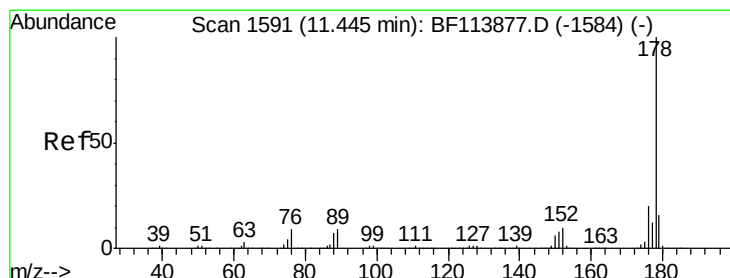
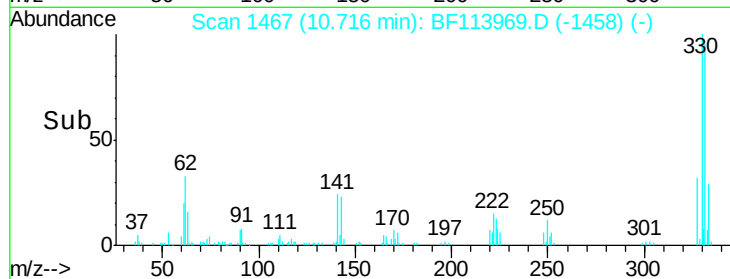
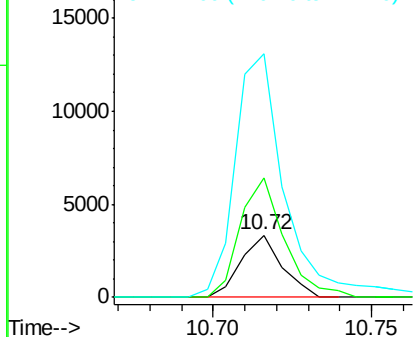
#67
 4-Bromophenyl-phenylether
 Concen: 0.684 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF113969.D
 Acq: 24 Apr 2019 18:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 3002
 Ion Ratio Lower Upper
 248 100
 250 192.7 75.8 113.6#
 141 294.6 50.2 75.4#

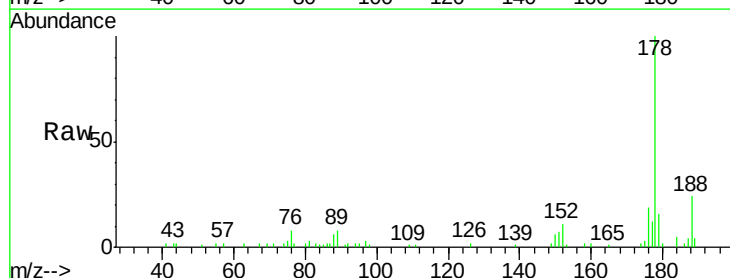


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

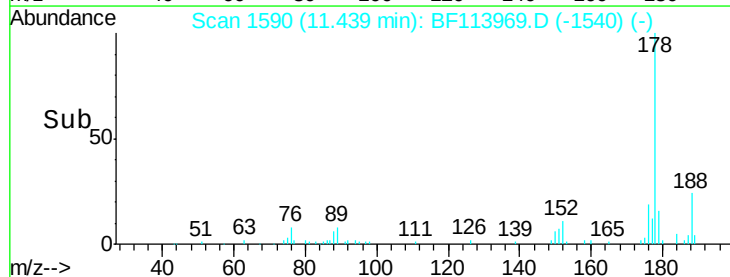
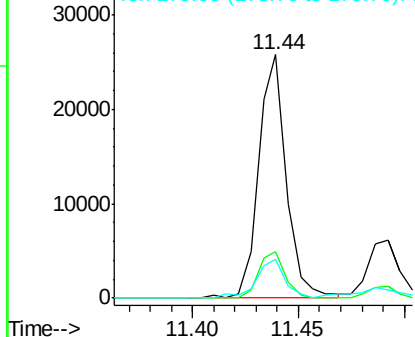


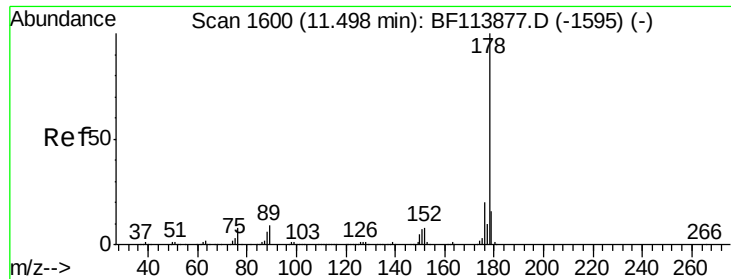
#71
 Phenanthrene
 Concen: 1.291 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113969.D
 Acq: 24 Apr 2019 18:41

Tgt Ion:178 Resp: 23564
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.1 24.1
 179 15.9 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 0.312 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampleId :

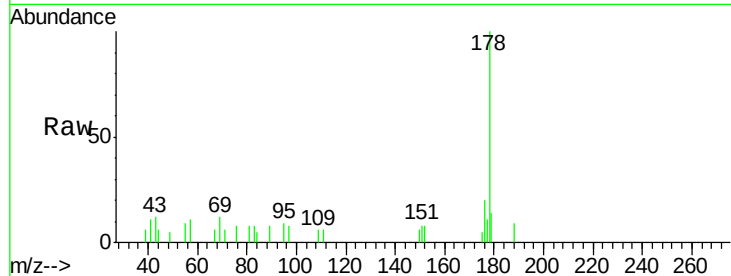
Tot Ion:178 Resp: 5754

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

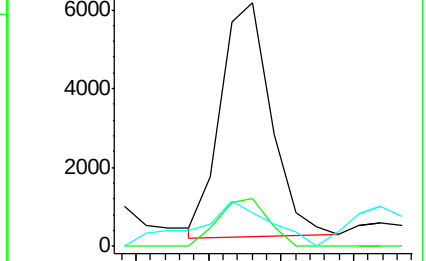
179 13.9 13.0 19.4



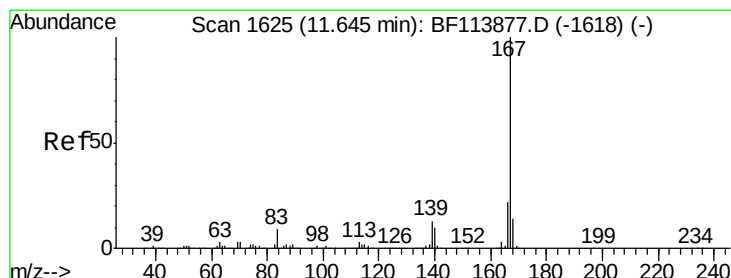
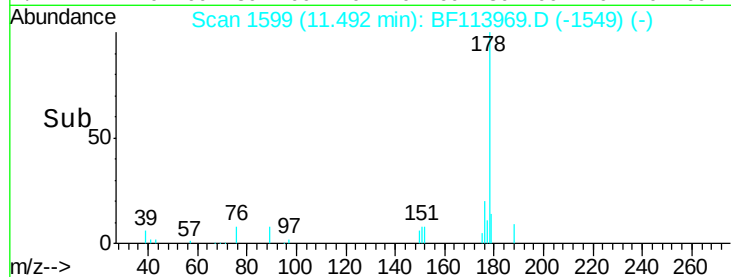
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#73

Carbazole

Concen: 0.118 ng

RT: 11.65 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

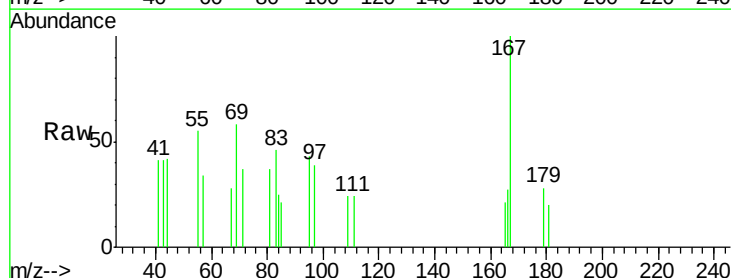
Tgt Ion:167 Resp: 1936

Ion Ratio Lower Upper

167 100

166 26.5 17.7 26.5#

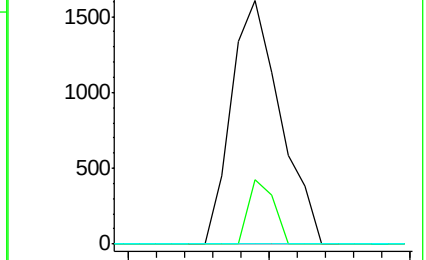
139 0.0 10.0 15.0#



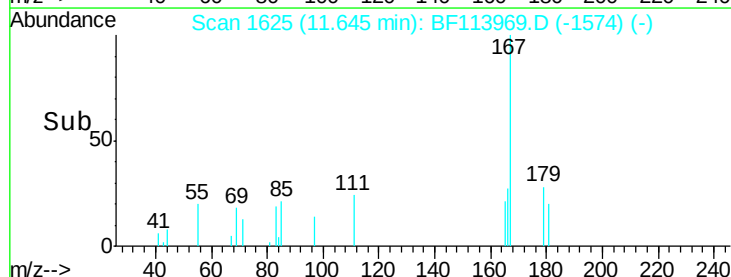
Abundance Ion 167.00 (166.70 to 167.70): E

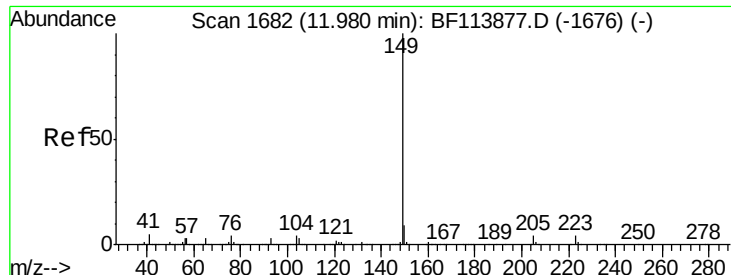
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->





#74

Di-n-butylphthalate

Concen: 0.042 ng

RT: 11.97 min Scan# 1680

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampled :

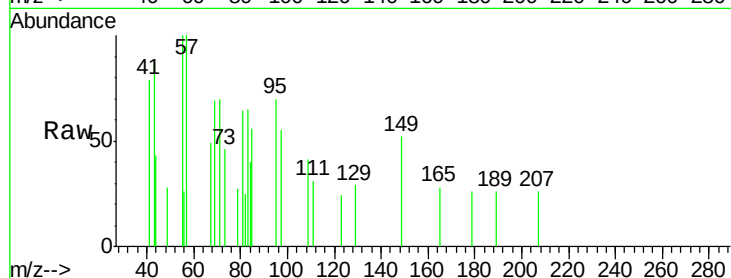
Tot Ion:149 Resp: 804

Ion Ratio Lower Upper

149 100

150 0.0 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

11.97

600

400

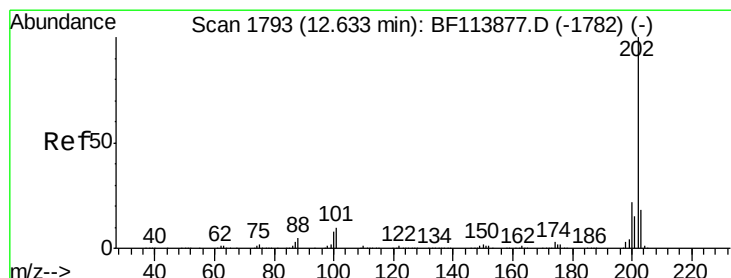
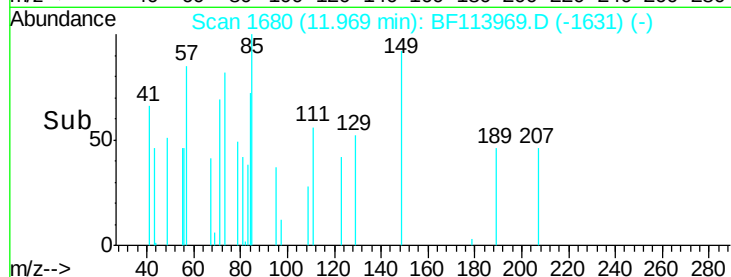
200

0

11.95

12.00

Time-->



#75

Fluoranthene

Concen: 1.748 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

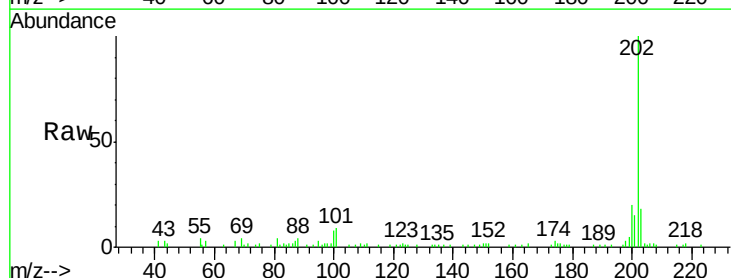
Tgt Ion:202 Resp: 34807

Ion Ratio Lower Upper

202 100

101 8.8 0.0 32.9

203 17.7 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

12.63

50000

40000

30000

20000

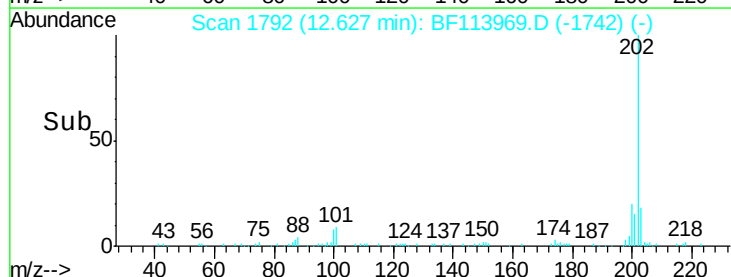
10000

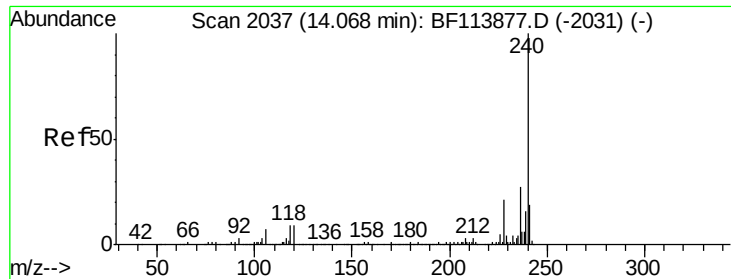
0

12.60

12.65

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampleId :

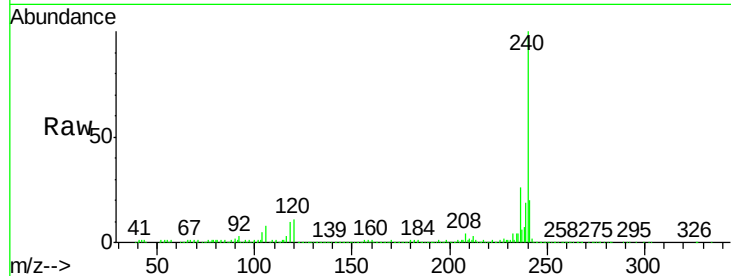
Tot Ion:240 Resp: 324051

Ion Ratio Lower Upper

240 100

120 10.8 9.3 13.9

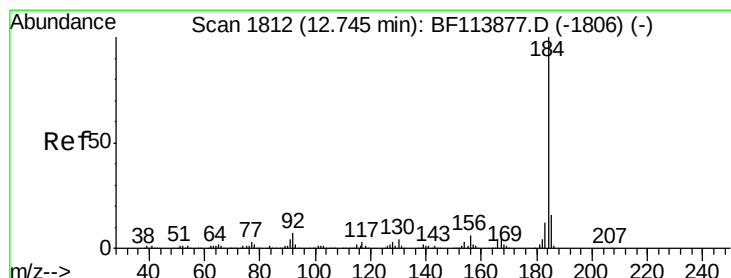
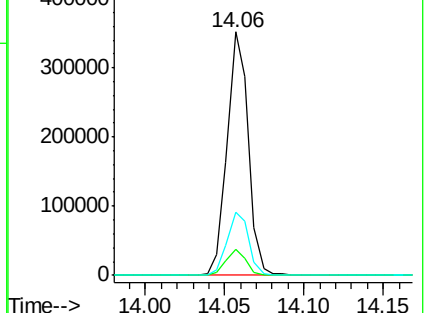
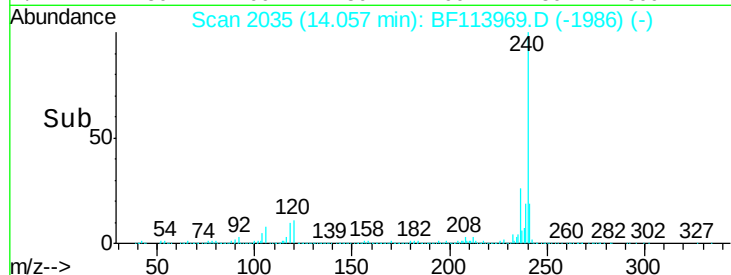
236 26.0 21.2 31.8



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: 0.013 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.20 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

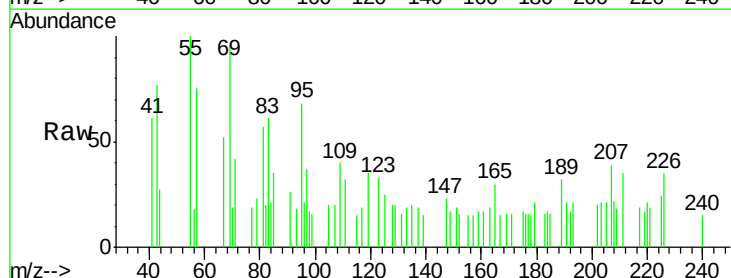
Tgt Ion:184 Resp: 127

Ion Ratio Lower Upper

184 100

185 89.4 13.0 19.6#

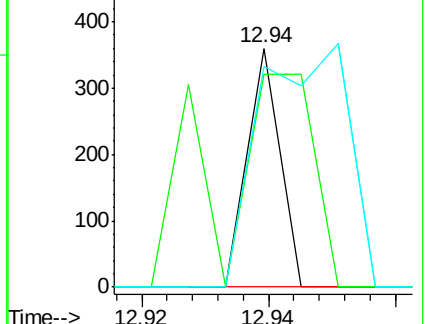
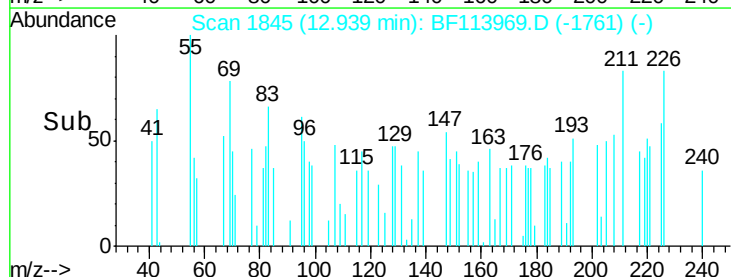
183 92.5 9.4 14.0#

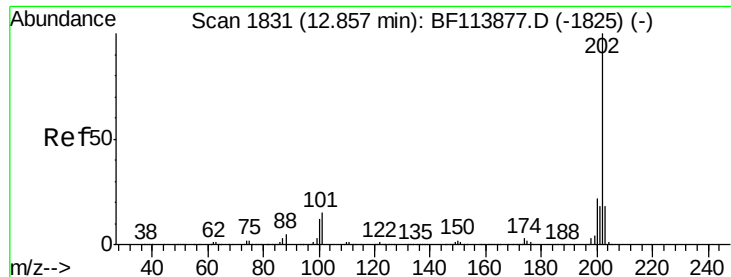


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 1.578 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampleId :

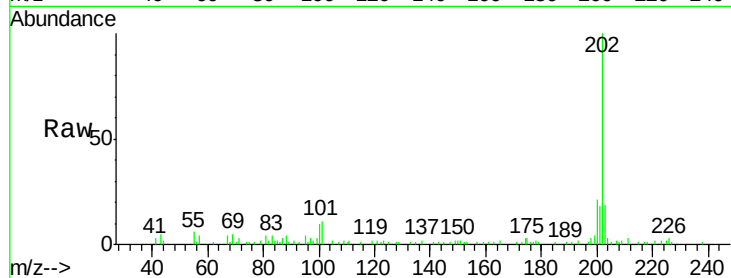
Tot Ion:202 Resp: 35768

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

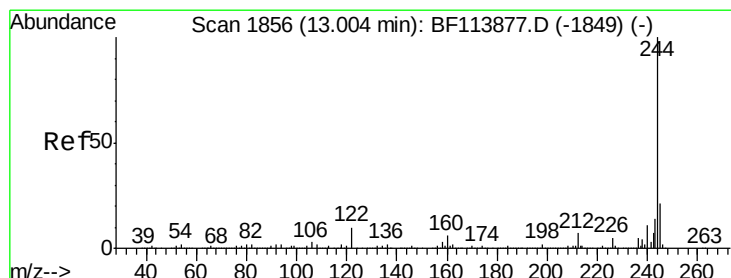
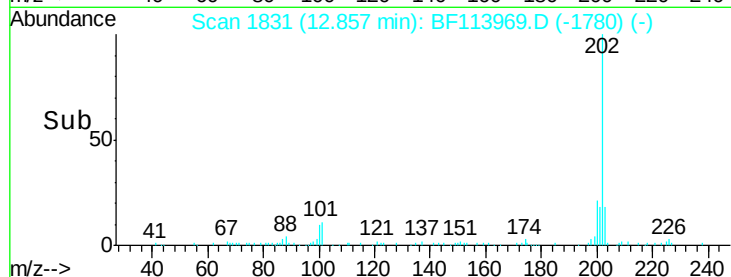
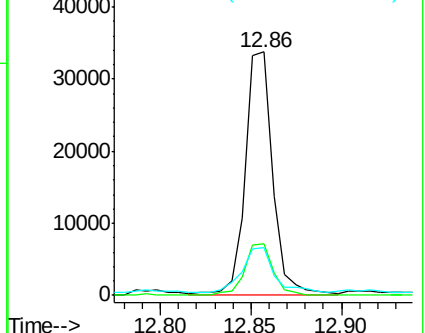
203 19.5 15.0 22.6



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



#79

Terphenyl-d14

Concen: 14.342 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

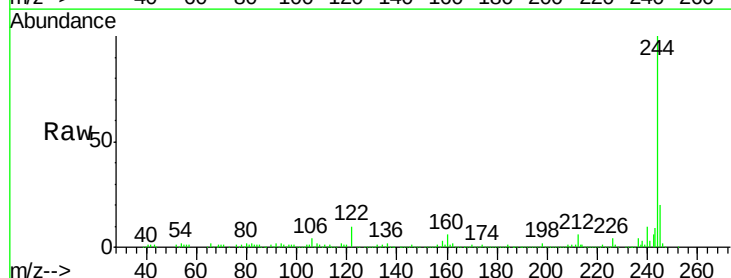
Tgt Ion:244 Resp: 226701

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

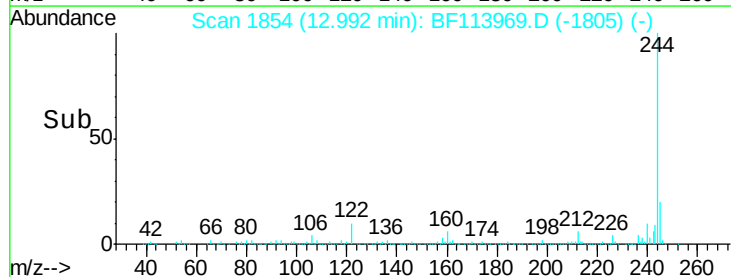
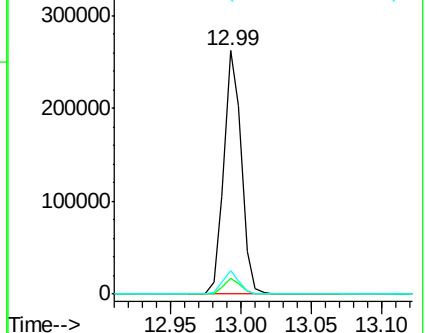
122 9.8 7.6 11.4

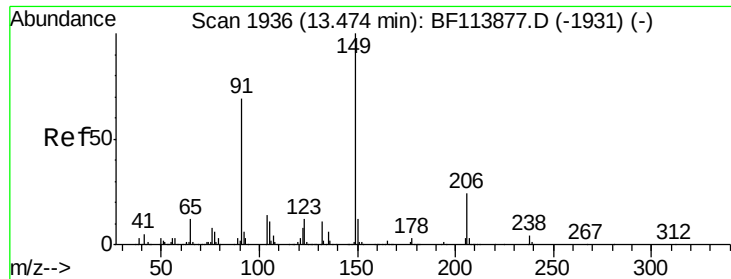


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

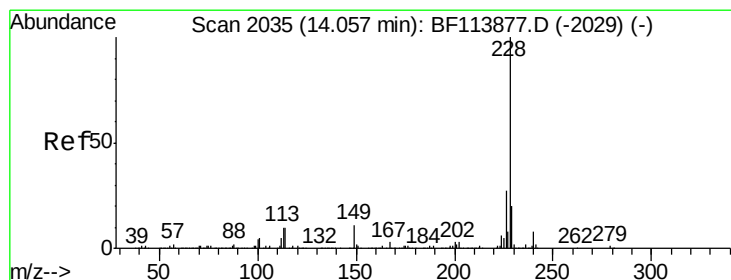
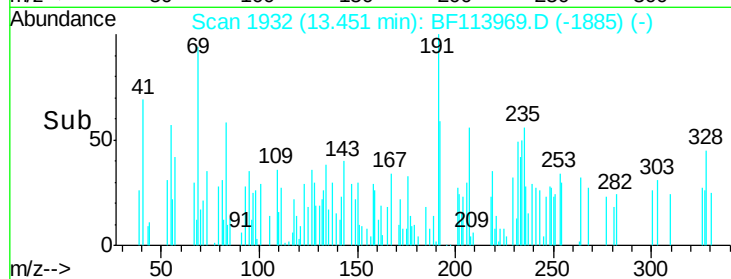
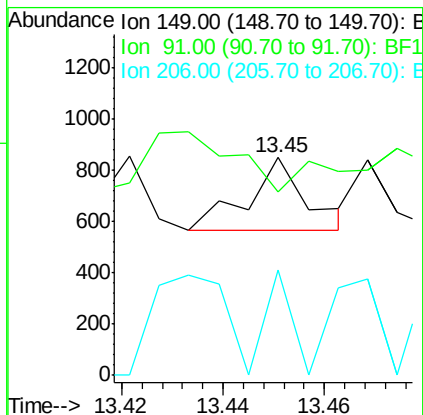
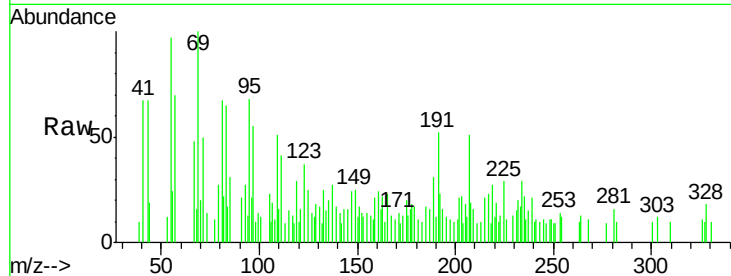




#80
Butylbenzylphthalate
Concen: 0.026 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.02 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

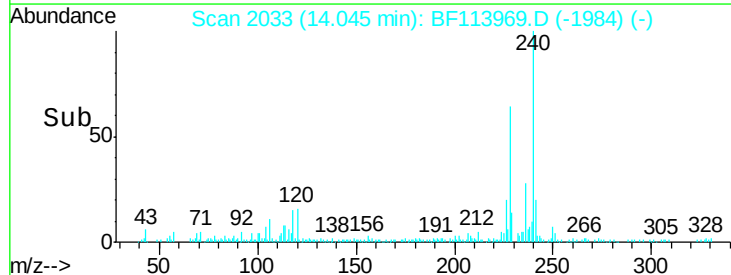
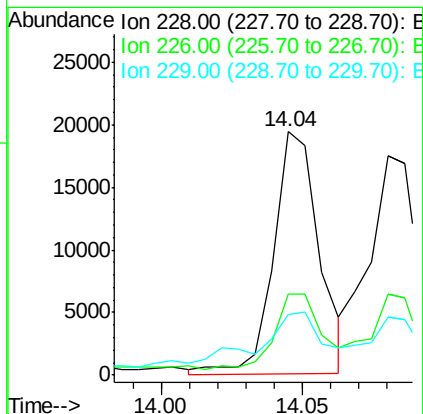
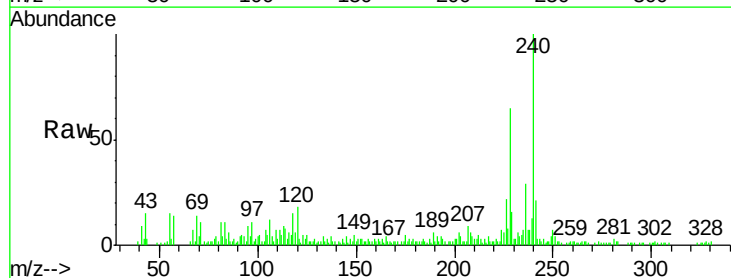
Instrument :
BNA_F
ClientSampled :

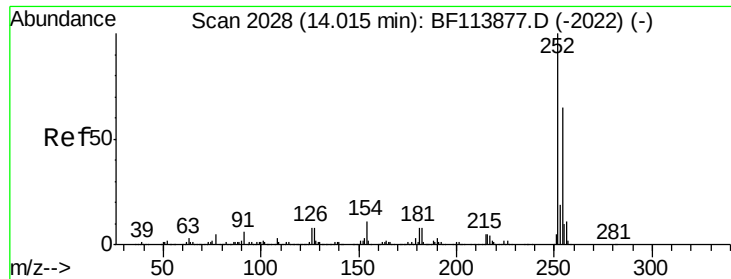
Tot Ion:149 Resp: 229
Ion Ratio Lower Upper
149 100
91 84.1 56.3 84.5
206 48.2 19.0 28.6#



#81
Benzo(a)anthracene
Concen: 1.135 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Tgt Ion:228 Resp: 21666
Ion Ratio Lower Upper
228 100
226 33.0 22.2 33.2
229 25.1 16.0 24.0#

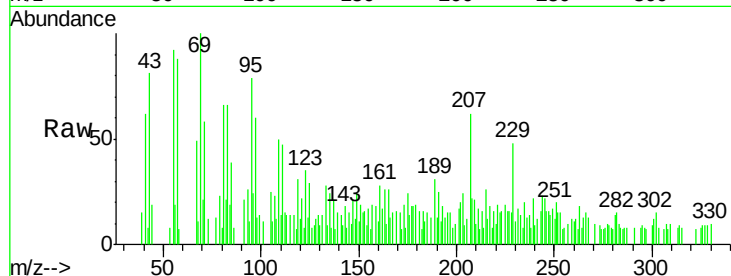




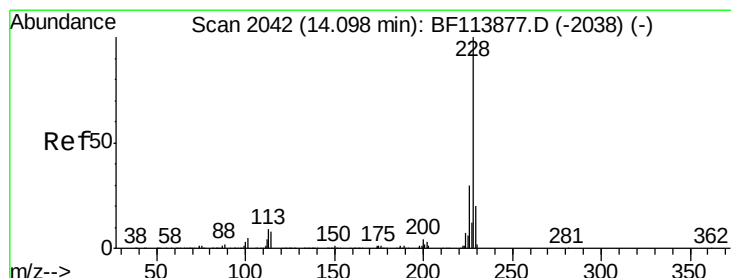
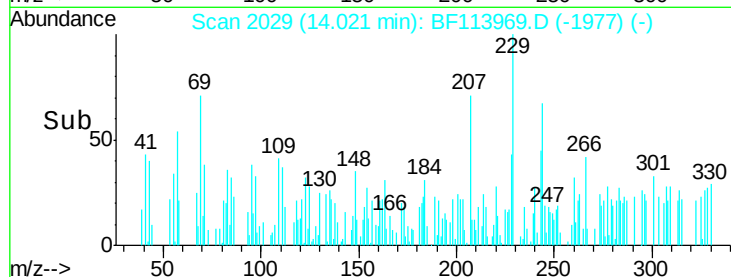
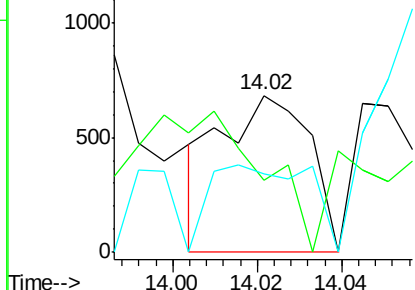
#82
 3,3'-Dichlorobenzidine
 Concen: 0.142 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BF113969.D
 Acq: 24 Apr 2019 18:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:252 Resp: 997
 Ion Ratio Lower Upper
 252 100
 254 46.2 52.1 78.1#
 126 50.4 9.3 13.9#

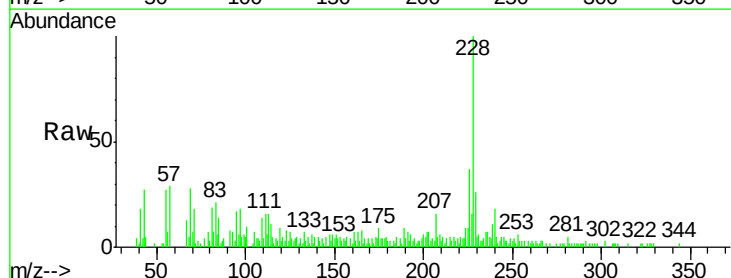


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

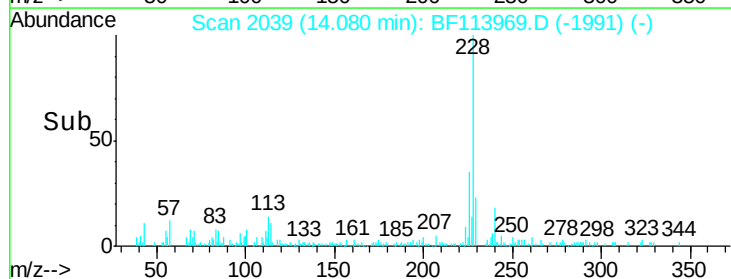
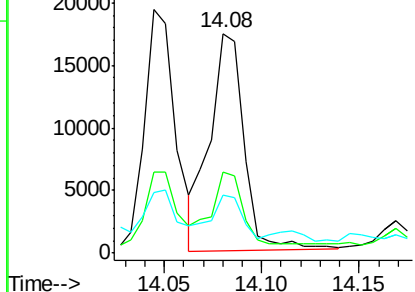


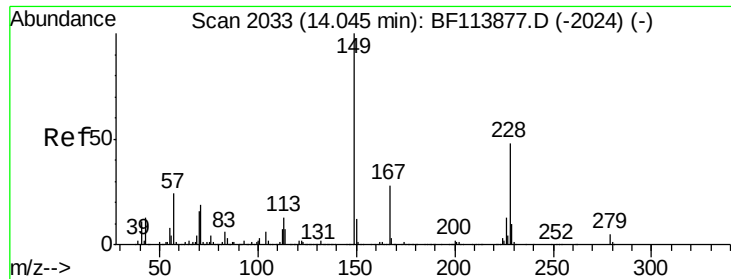
#83
 Chrysene
 Concen: 1.149 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. -0.02 min
 Lab File: BF113969.D
 Acq: 24 Apr 2019 18:41

Tgt Ion:228 Resp: 21369
 Ion Ratio Lower Upper
 228 100
 226 36.7 25.2 37.8
 229 26.5 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: 0.073 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampleId :

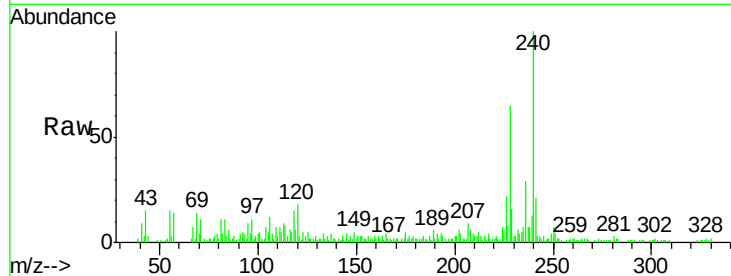
Tot Ion:149 Resp: 824

Ion Ratio Lower Upper

149 100

167 35.4 22.9 34.3#

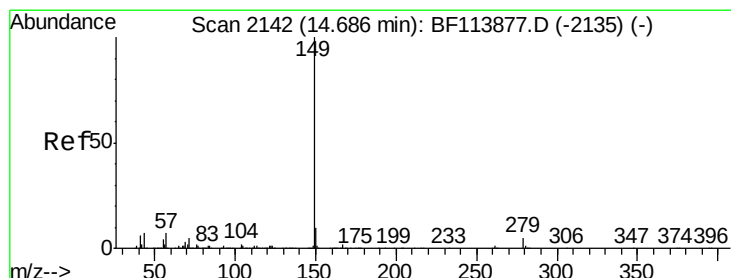
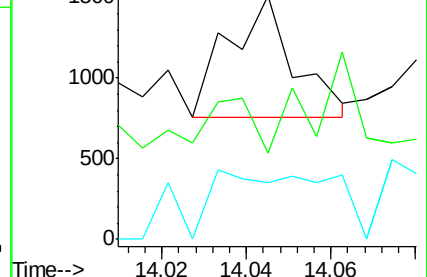
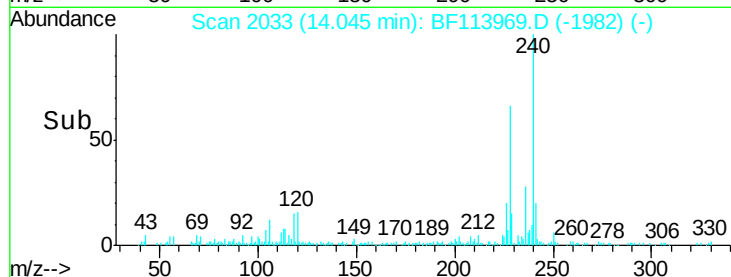
279 23.4 4.2 6.2#



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: 0.030 ng

RT: 14.69 min Scan# 2143

Delta R.T. 0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

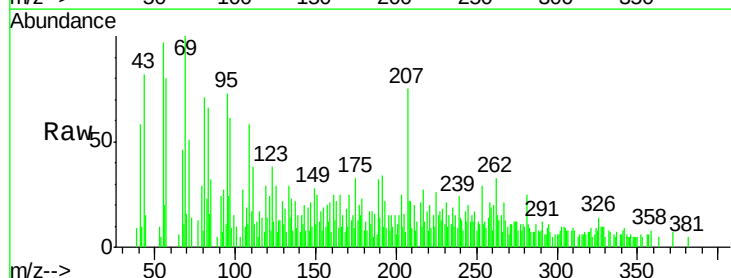
Tgt Ion:149 Resp: 536

Ion Ratio Lower Upper

149 100

167 105.8 1.3 1.9#

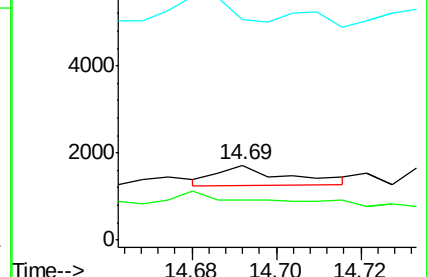
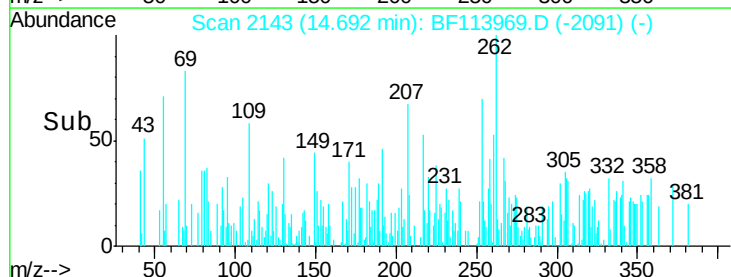
43 97.0 6.6 10.0#

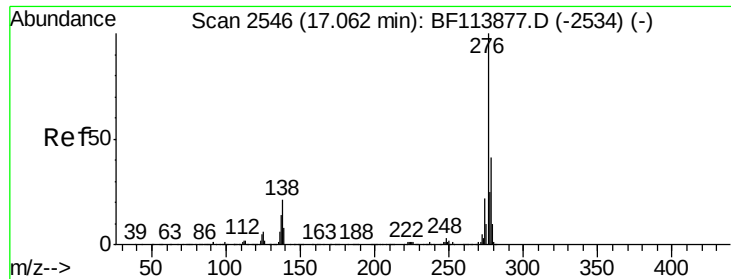


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

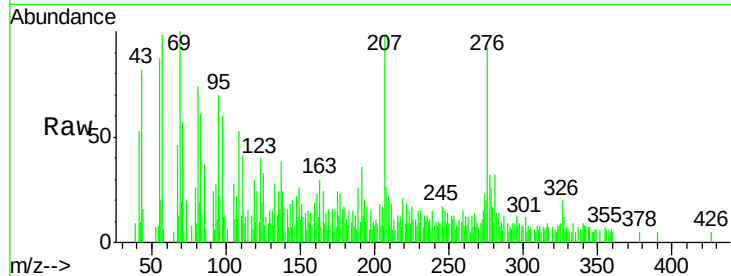




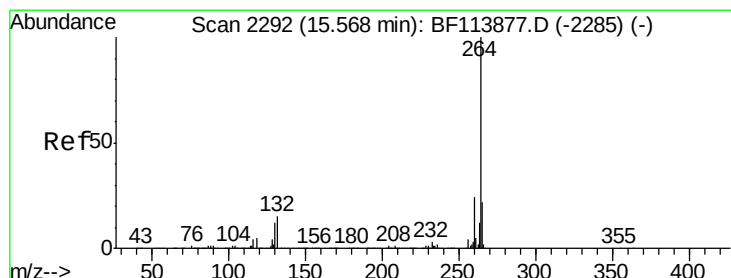
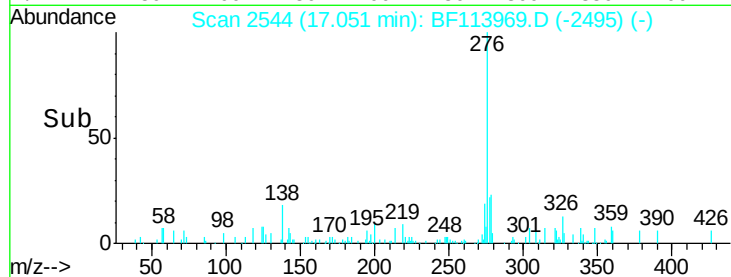
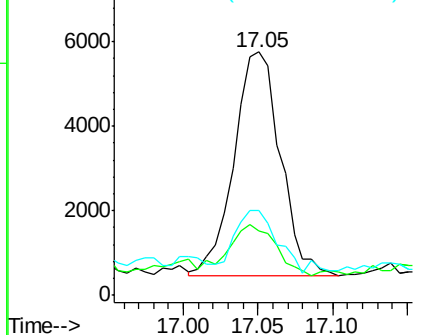
#86
Indeno(1,2,3-cd)pyrene
Concen: 0.649 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 11430
Ion Ratio Lower Upper
276 100
138 23.2 19.6 29.4
277 25.0 20.2 30.4

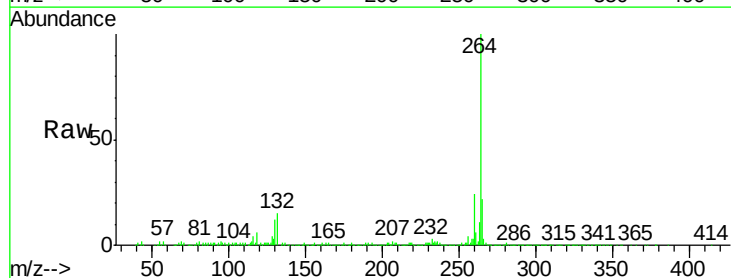


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

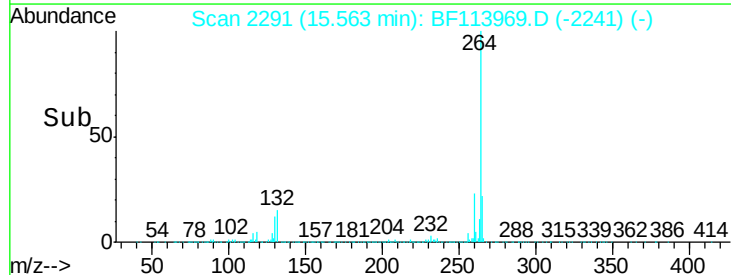
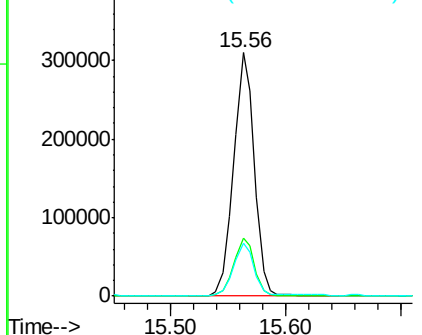


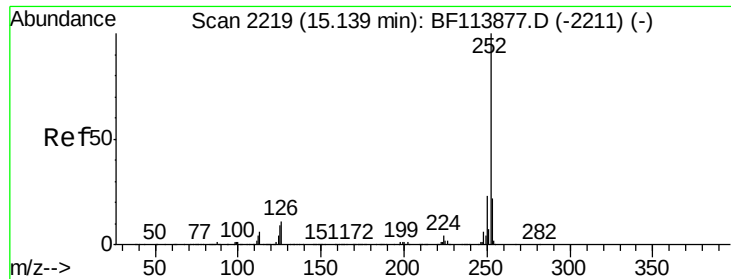
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Tgt Ion:264 Resp: 382730
Ion Ratio Lower Upper
264 100
260 23.6 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

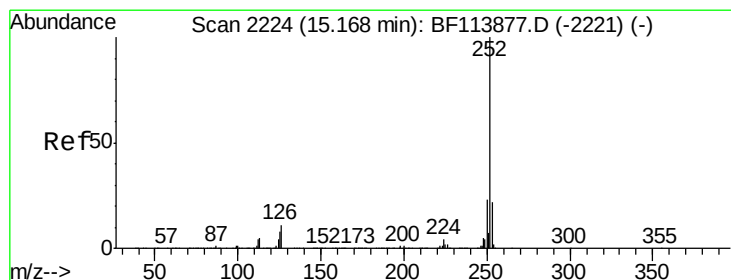
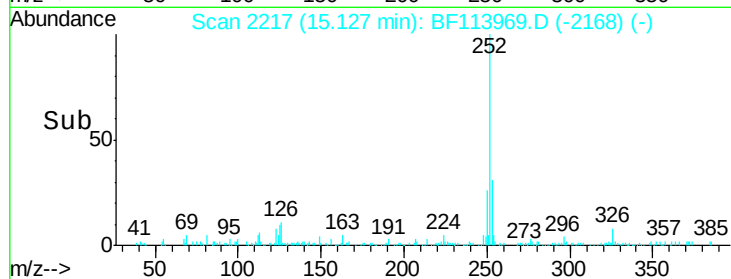
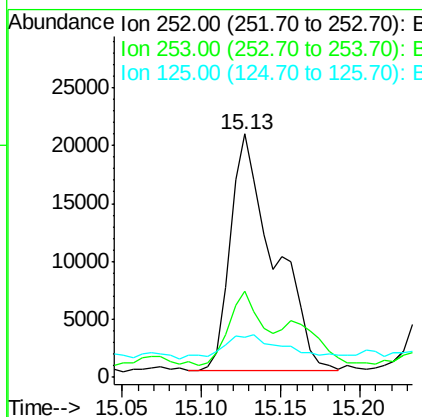
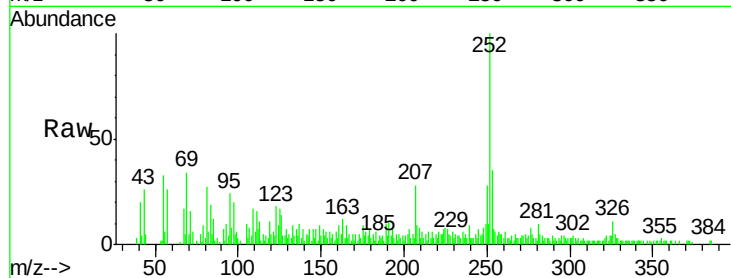




#88
Benzo(b)fluoranthene
Concen: 1.621 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

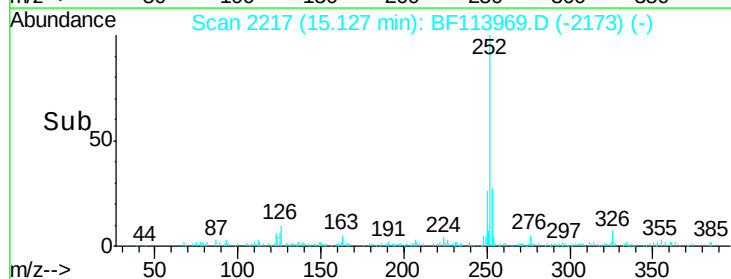
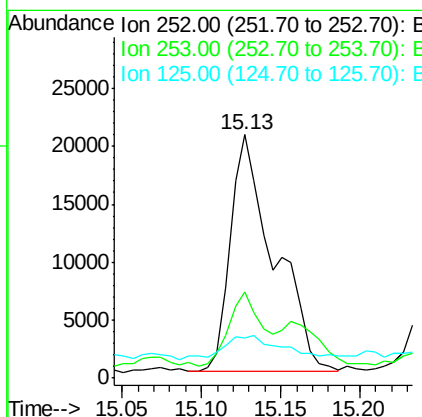
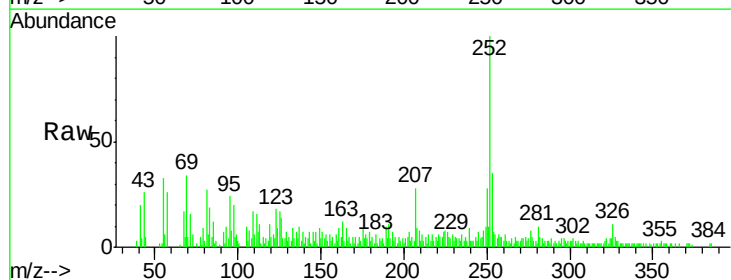
Instrument :
BNA_F
ClientSampleId :

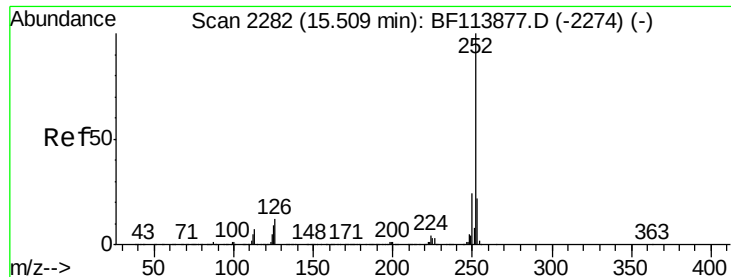
Tot Ion:252 Resp: 39261
Ion Ratio Lower Upper
252 100
253 35.4 17.8 26.6#
125 16.6 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 1.885 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF113969.D
Acq: 24 Apr 2019 18:41

Tgt Ion:252 Resp: 39261
Ion Ratio Lower Upper
252 100
253 35.4 18.2 27.2#
125 16.6 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 1.004 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

Instrument :

BNA_F

ClientSampleId :

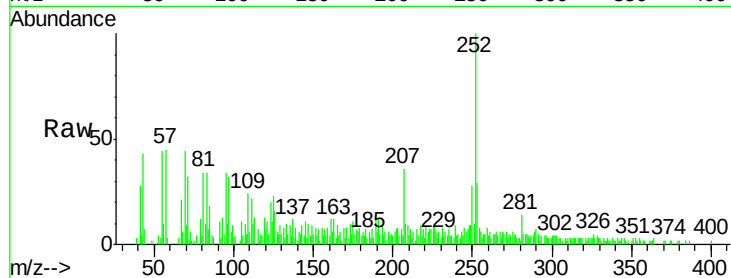
Tot Ion:252 Resp: 21038

Ion Ratio Lower Upper

252 100

253 29.5 17.5 26.3#

125 23.3 8.5 12.7#

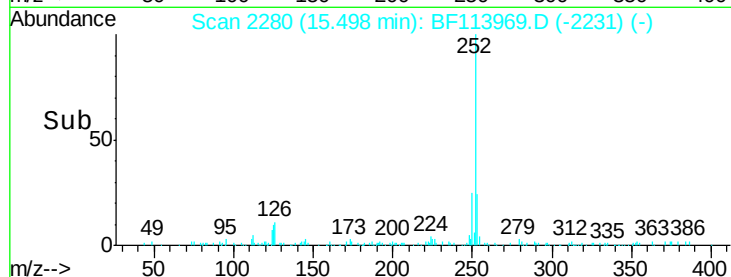


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



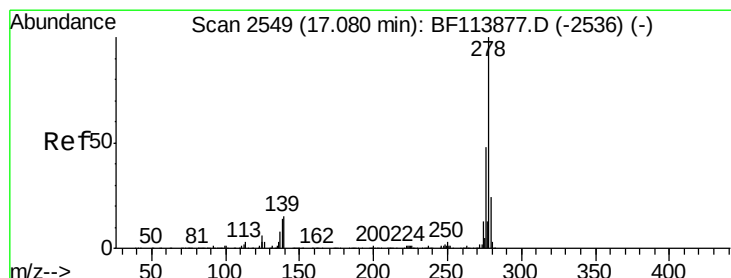
Abundance

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

Time-->



#91

Dibenzo(a,h)anthracene

Concen: 0.180 ng

RT: 17.07 min Scan# 2547

Delta R.T. -0.01 min

Lab File: BF113969.D

Acq: 24 Apr 2019 18:41

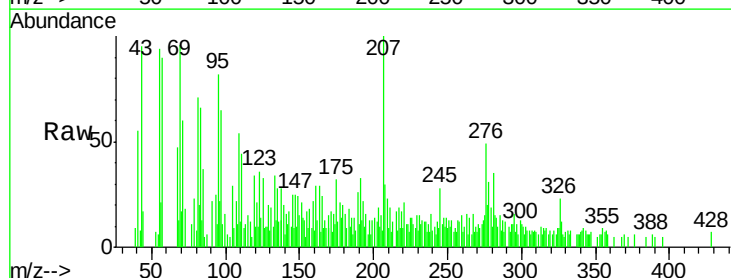
Tgt Ion:278 Resp: 3546

Ion Ratio Lower Upper

278 100

139 66.2 11.6 17.4#

279 62.0 19.0 28.6#

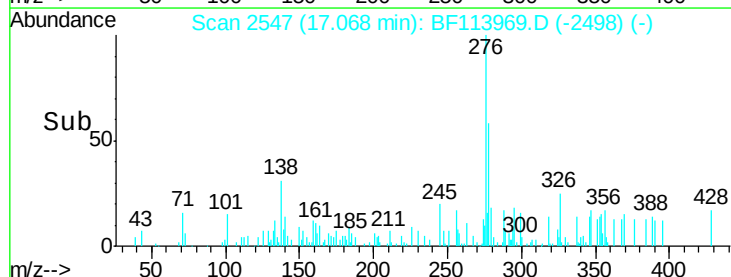


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->



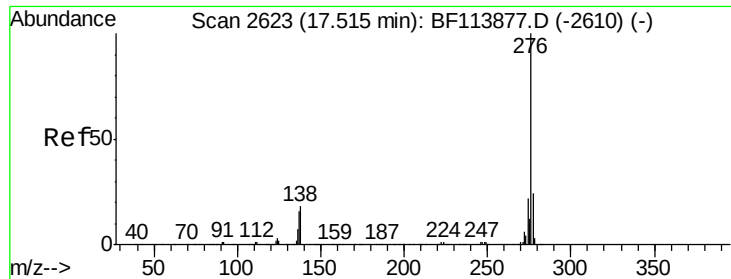
Abundance

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

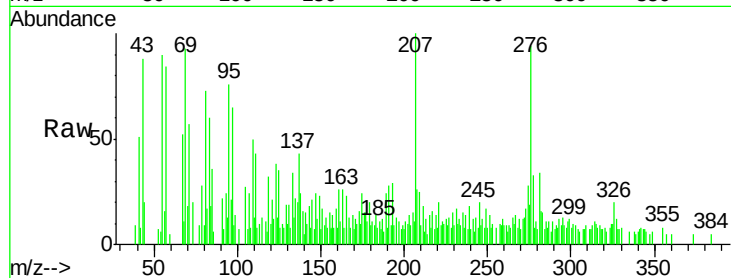
Time-->



#92
 Benzo(a,h,i)perylene
 Concen: 0.558 ng
 RT: 17.50 min Scan# 2620
 Delta R.T. -0.02 min
 Lab File: BF113969.D
 Acq: 24 Apr 2019 18:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	35.6	19.0	28.4	
138	25.2	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

