

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
 Data File : BF113956.D
 Acq On : 24 Apr 2019 12:58
 Operator : JU/SJ
 Sample : K2542-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 01:22:01 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	142048	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	526712	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	266488	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	498969	20.00	ng	0.00
76) Chrysene-d12	14.06	240	326815	20.00	ng	-0.01
87) Perylene-d12	15.56	264	391504	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	957275	115.26	ng	0.00
7) Phenol-d6	6.53	99	1233305	118.36	ng	0.00
23) Nitrobenzene-d5	7.45	82	764572	89.63	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	337883	104.08	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1336891	78.46	ng	0.00
79) Terphenyl-d14	13.00	244	1264710	79.34	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.58	88	119	0.030	ng	# 1
6) Aniline	6.55	93	947	0.066	ng	# 50
8) 2-Chlorophenol	6.68	128	191	0.020	ng	# 1
9) Benzaldehyde	6.67	77	23147	Below Cal		86
10) Phenol	6.53	94	2882	0.231	ng	# 1
11) bis(2-Chloroethyl)ether	6.67	93	1735	0.185	ng	# 1
15) Benzyl Alcohol	7.05	79	12305	1.753	ng	# 44
19) n-Nitroso-di-n-propylamine	7.45	70	102378	15.172	ng	# 79
22) Acetophenone	7.29	105	258	0.022	ng	# 58
24) Nitrobenzene	7.45	77	2234	0.237	ng	# 33
25) Isophorone	7.45	82	764557	43.802	ng	# 65
27) 2,4-Dimethylphenol	7.90	122	2984	0.426	ng	# 4
31) Naphthalene	8.20	128	296	0.012	ng	# 68
32) Benzoic acid	7.90	122	2984	0.631	ng	# 82
38) 1-Methylnaphthalene	9.25	142	534	0.033	ng	# 38
46) 1,1'-Biphenyl	9.35	154	2475	0.122	ng	# 98
47) 2-Chloronaphthalene	9.64	162	517	0.031	ng	# 1
48) 2-Nitroaniline	9.64	65	803	0.185	ng	# 1
49) Acenaphthylene	9.79	152	541	0.021	ng	# 59
50) Dimethylphthalate	9.64	163	114540	5.943	ng	# 99
51) 2,6-Dinitrotoluene	9.64	165	1088	0.263	ng	# 1
52) Acenaphthene	9.96	154	478	0.031	ng	# 86
55) Dibenzofuran	10.13	168	525	0.023	ng	# 47
57) 2,4-Dinitrotoluene	9.93	165	34014	6.517	ng	# 29
58) Fluorene	10.47	166	898	0.052	ng	# 95
60) Diethylphthalate	10.35	149	494	0.027	ng	# 57
63) Azobenzene	10.72	77	1282	0.072	ng	# 2
65) 4,6-Dinitro-2-methylphenol	10.72	198	634	7.543	ng	# 1
66) n-Nitrosodiphenylamine	10.72	169	8683	0.580	ng	# 41
67) 4-Bromophenyl-phenylether	10.72	248	21059	3.494	ng	# 1
71) Phenanthrene	11.44	178	27637	1.102	ng	# 97
72) Anthracene	11.49	178	2763	0.109	ng	# 97
73) Carbazole	11.65	167	1736	0.077	ng	# 86
74) Di-n-butylphthalate	11.97	149	2271	0.085	ng	# 77

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

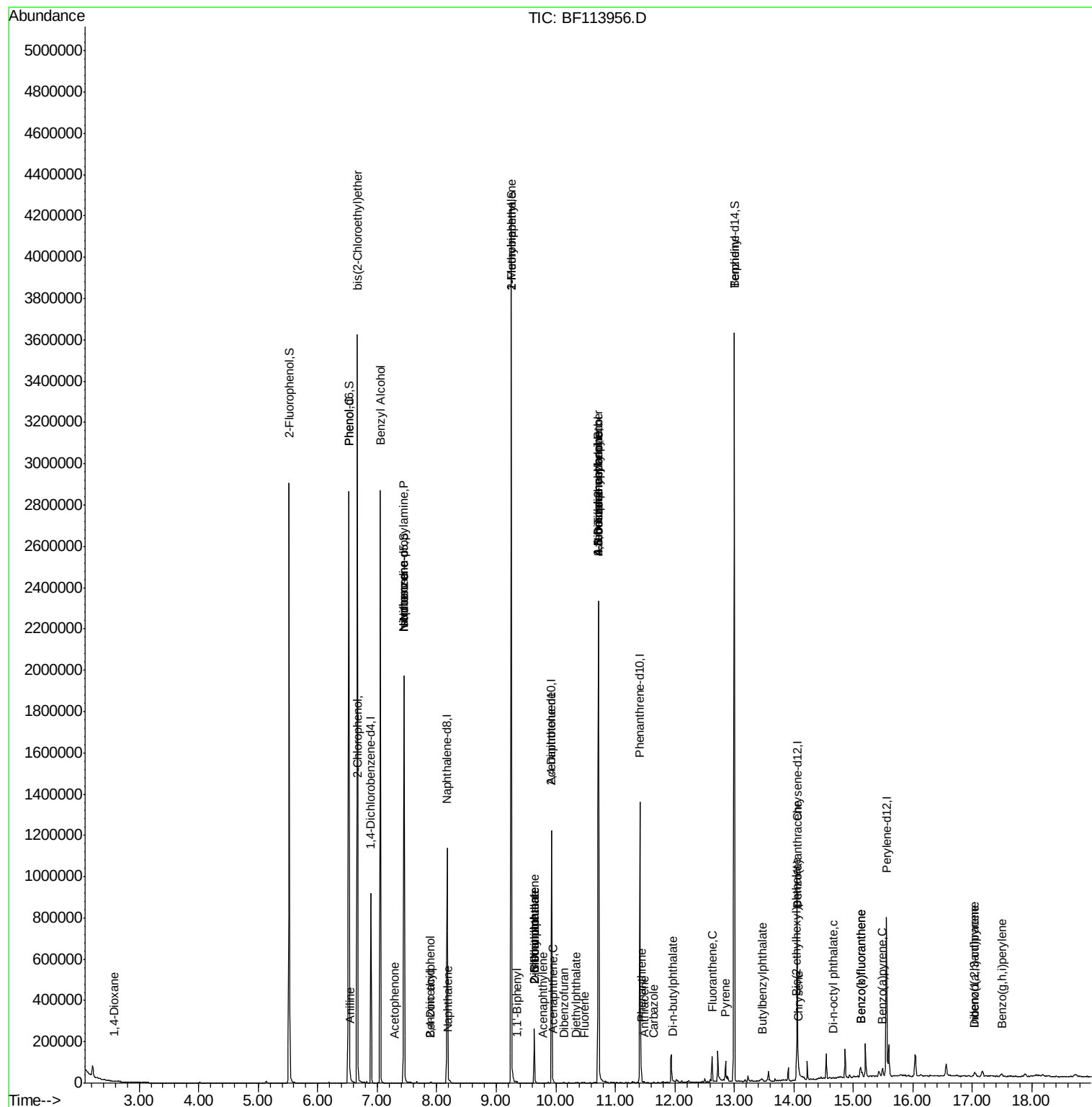
75) Fluoranthene	12.63	202	51874	1.896	ng	95
77) Benzdine	13.00	184	14055	1.443	ng	97
78) Pyrene	12.85	202	41044	1.796	ng	98
80) Butylbenzylphthalate	13.47	149	748	0.083	ng	# 84
81) Benzo(a)anthracene	14.04	228	17855	0.927	ng	97
83) Chrysene	14.08	228	19968	1.065	ng	97
84) Bis(2-ethylhexyl)phthalate	14.04	149	4926	0.431	ng	# 97
85) Di-n-octyl phthalate	14.67	149	529	0.030	ng	# 1
86) Indeno(1,2,3-cd)pyrene	17.04	276	14232	0.801	ng	95
88) Benzo(b)fluoranthene	15.12	252	34895	1.409	ng	98
89) Benzo(k)fluoranthene	15.12	252	34895	1.638	ng	99
90) Benzo(a)pyrene	15.49	252	18383	0.858	ng	99
91) Dibenzo(a,h)anthracene	17.04	278	4080	0.203	ng	# 94
92) Benzo(g,h,i)perylene	17.49	276	12526	0.617	ng	97

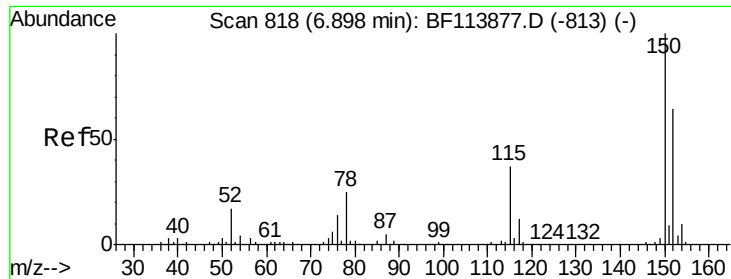
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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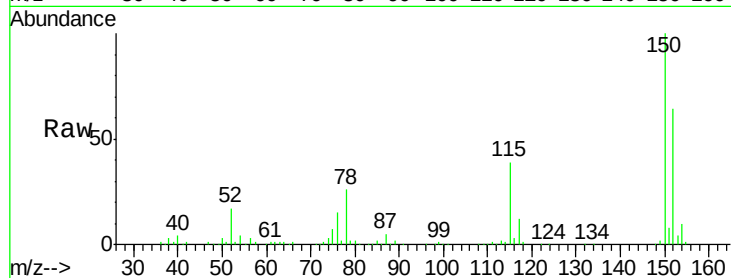


#1

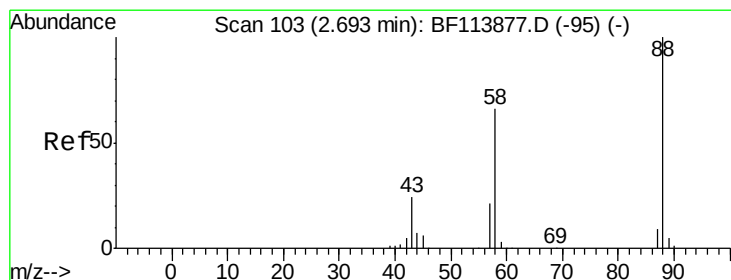
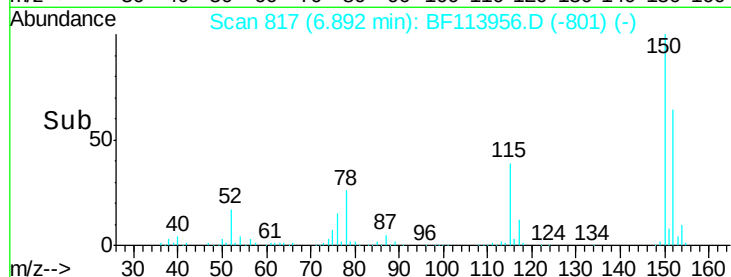
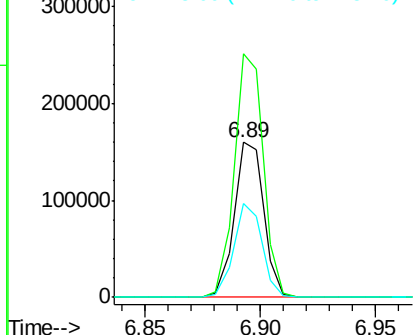
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142048
Ion Ratio Lower Upper
152 100
150 156.9 125.9 188.9
115 60.7 45.9 68.9



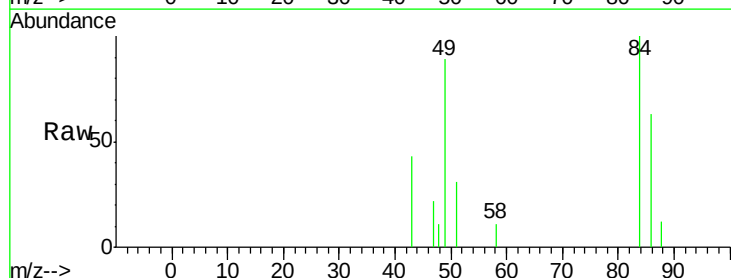
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



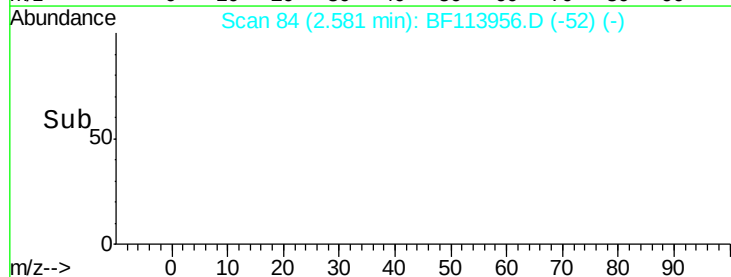
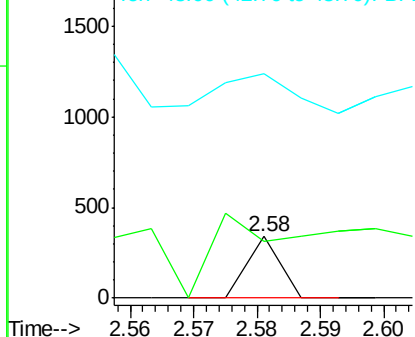
#2

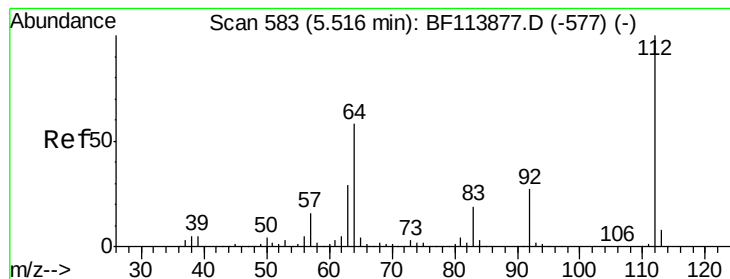
1,4-Dioxane
Concen: 0.030 ng
RT: 2.58 min Scan# 84
Delta R.T. -0.11 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Tgt Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
58 331.9 53.3 79.9#
43 138.7 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: 115.262 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Instrument :

BNA_F

ClientSampleId :

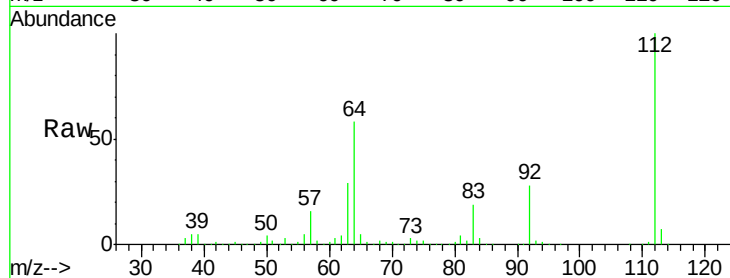
Tot Ion: 112 Resp: 957275

Ion Ratio Lower Upper

112 100

64 57.9 46.6 69.8

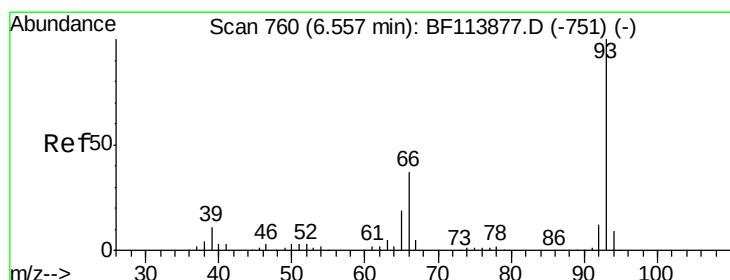
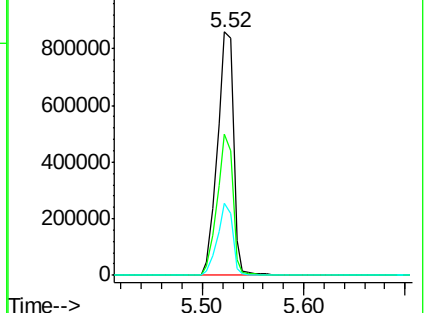
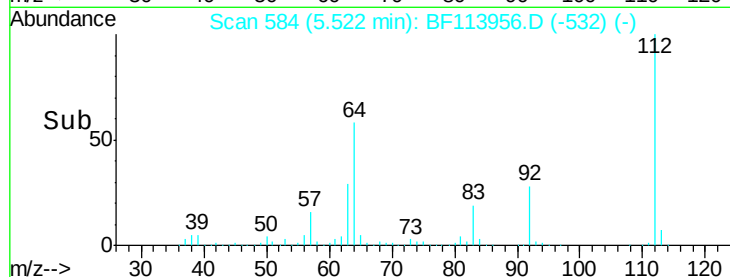
63 29.4 23.1 34.7



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: 0.066 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

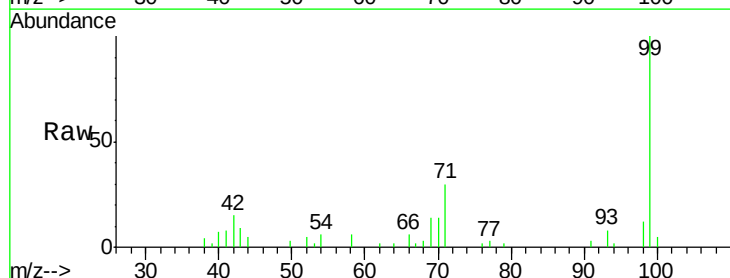
Tgt Ion: 93 Resp: 947

Ion Ratio Lower Upper

93 100

66 69.9 29.8 44.6#

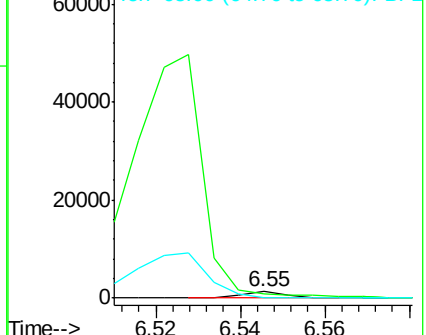
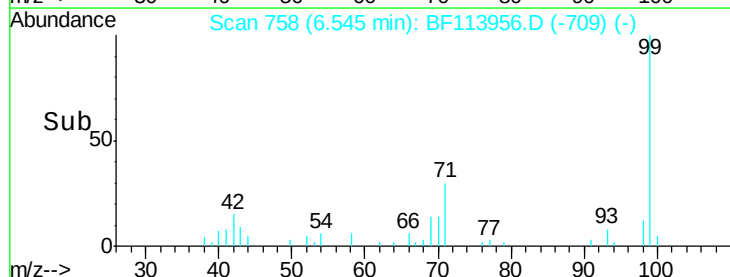
65 0.0 14.9 22.3#

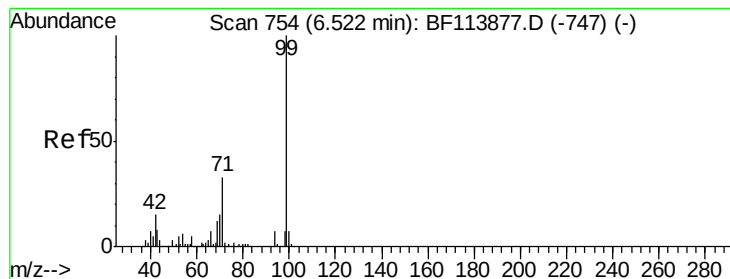


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 118.361 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Instrument :

BNA_F

ClientSampled :

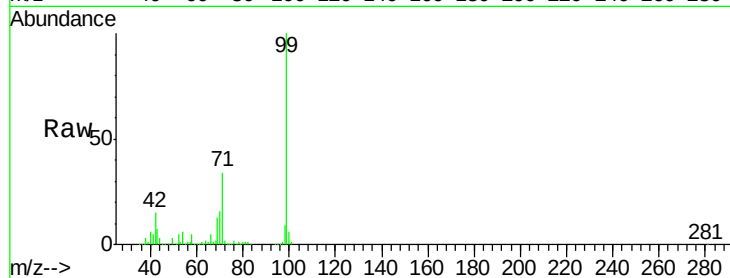
Tot Ion: 99 Resp: 1233305

Ion Ratio Lower Upper

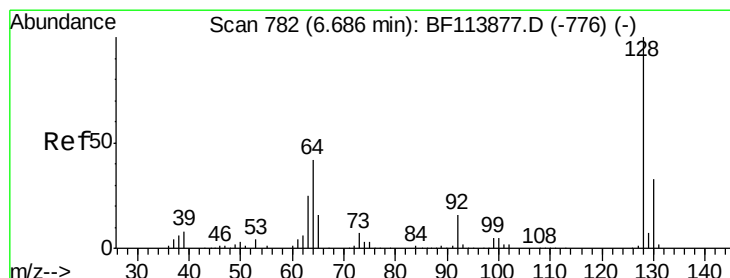
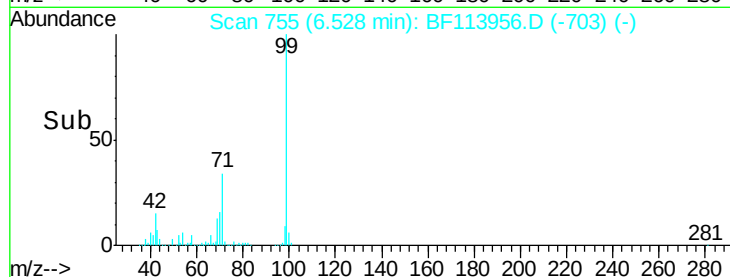
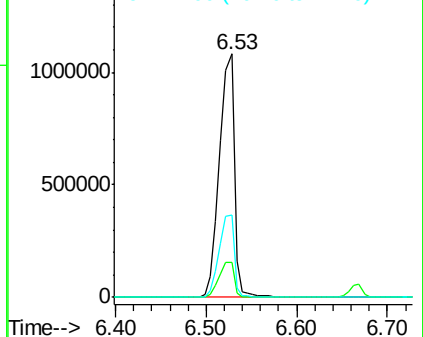
99 100

42 14.6 12.5 18.7

71 34.0 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



#8

2-Chlorophenol

Concen: 0.020 ng

RT: 6.68 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

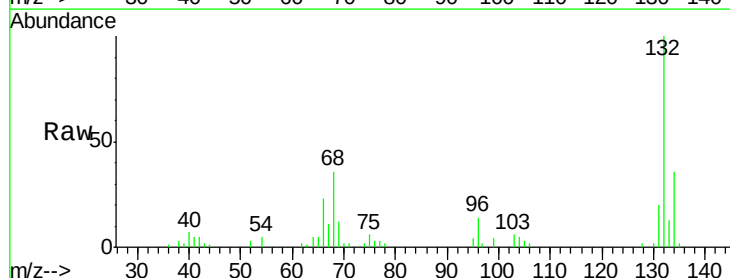
Tgt Ion: 128 Resp: 191

Ion Ratio Lower Upper

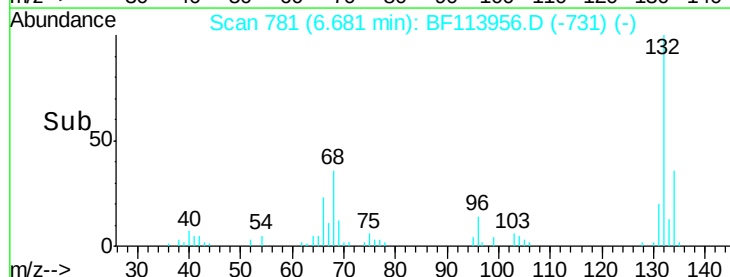
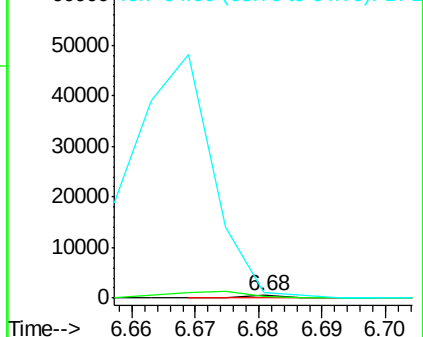
128 100

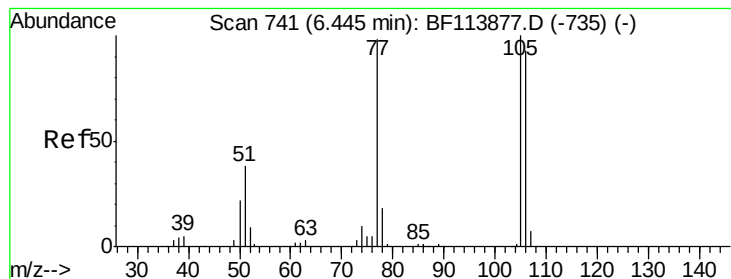
130 67.3 12.3 52.3#

64 198.9 26.1 66.1#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: Below Cal

RT: 6.67 min Scan# 779

Delta R.T. 0.22 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Instrument :

BNA_F

ClientSampleId :

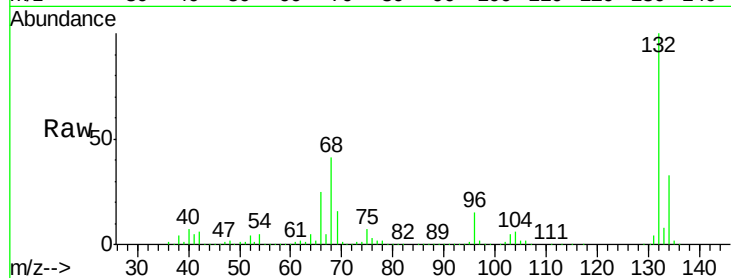
Tot Ion: 77 Resp: 23147

Ion Ratio Lower Upper

77 100

105 83.0 74.1 114.1

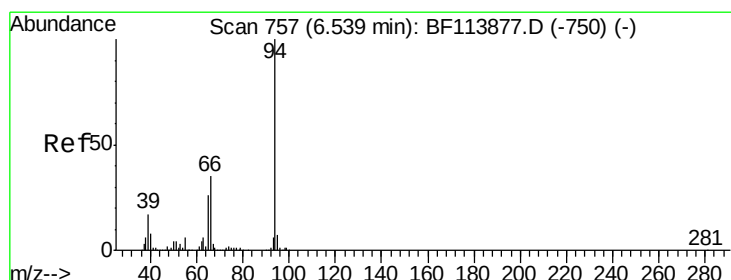
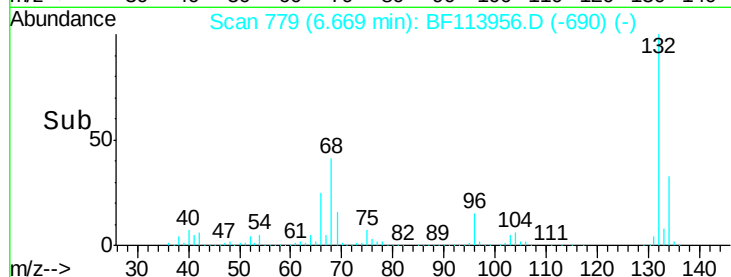
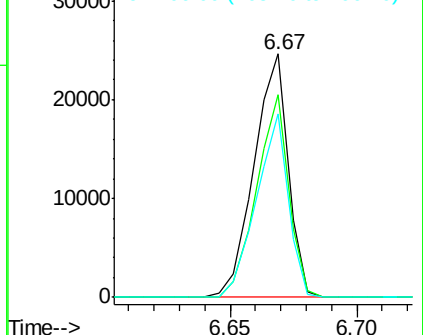
106 75.2 70.3 110.3



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: 0.231 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

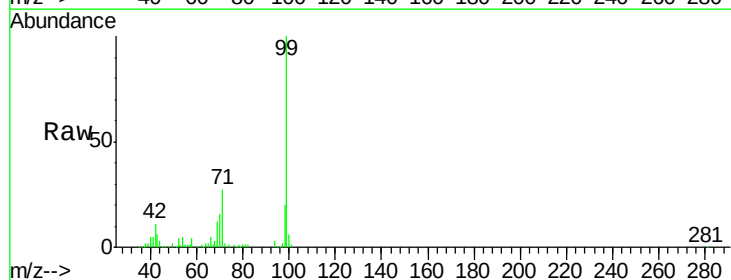
Tgt Ion: 94 Resp: 2882

Ion Ratio Lower Upper

94 100

65 65.7 8.1 48.1#

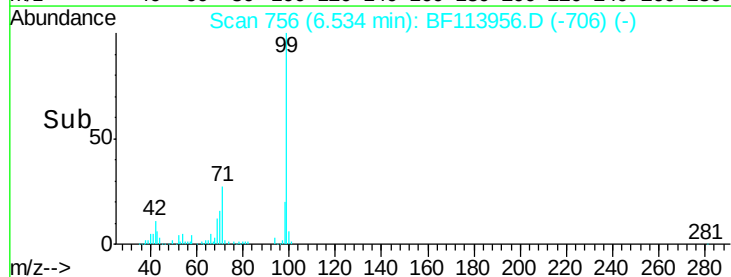
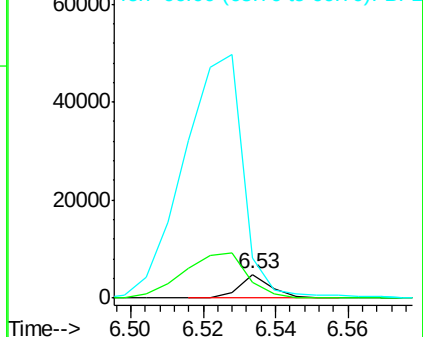
66 169.1 16.6 56.6#

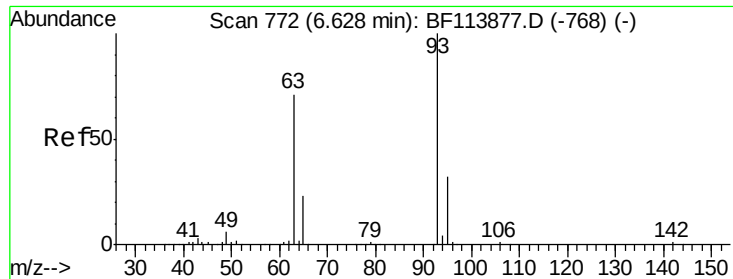


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 0.185 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.04 min

Lab File: BF113956.D

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ClientSampleId :

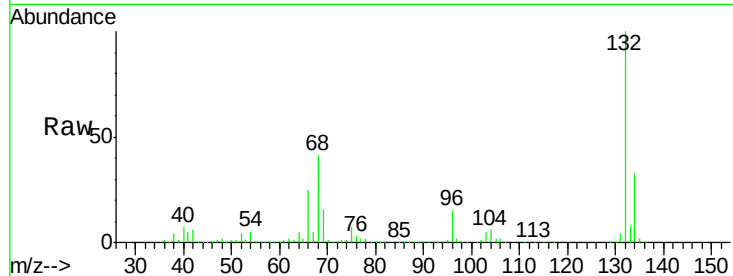
Tot Ion: 93 Resp: 1735

Ion Ratio Lower Upper

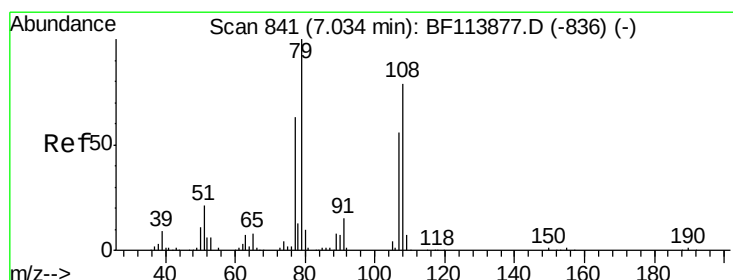
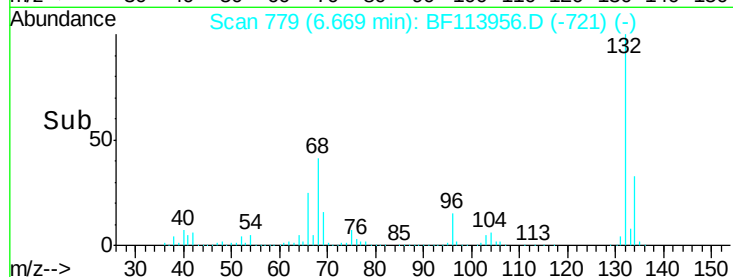
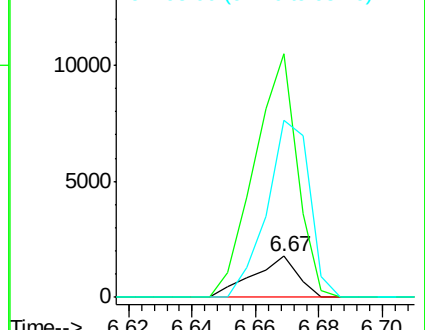
93 100

63 589.9 50.7 90.7#

95 428.5 12.3 52.3#



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



#15

Benzyl Alcohol

Concen: 1.753 ng

RT: 7.05 min Scan# 844

Delta R.T. 0.02 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

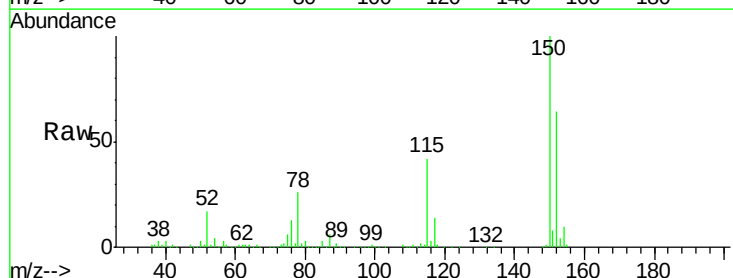
Tgt Ion: 79 Resp: 12305

Ion Ratio Lower Upper

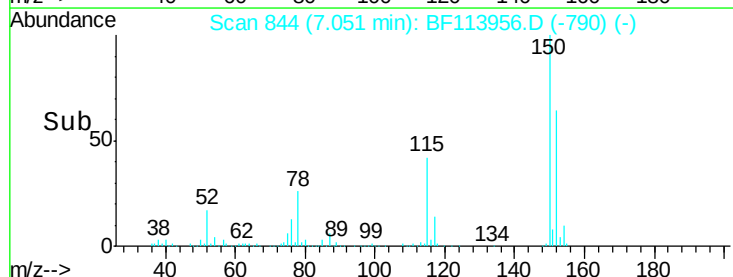
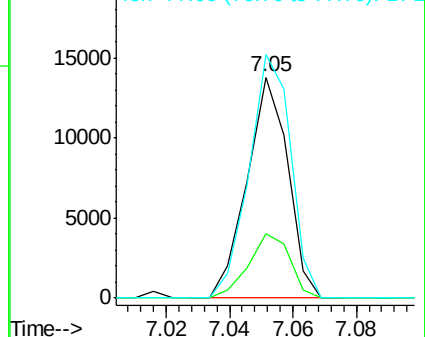
79 100

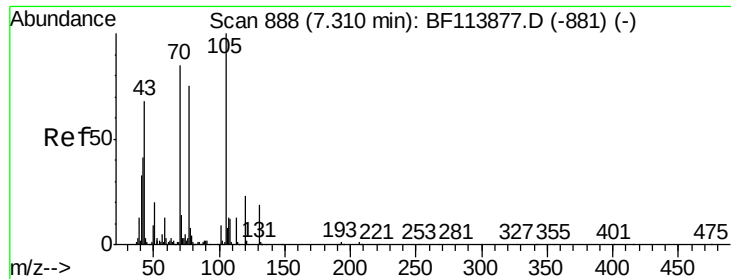
108 29.2 61.4 92.0#

77 110.2 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

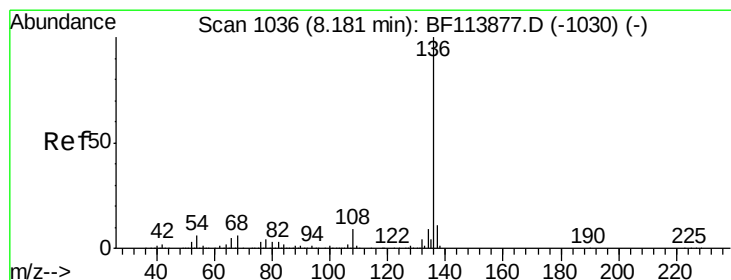
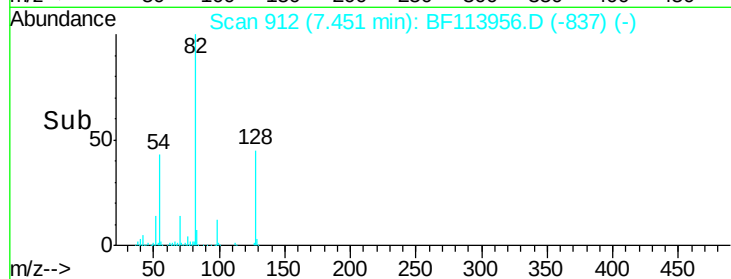
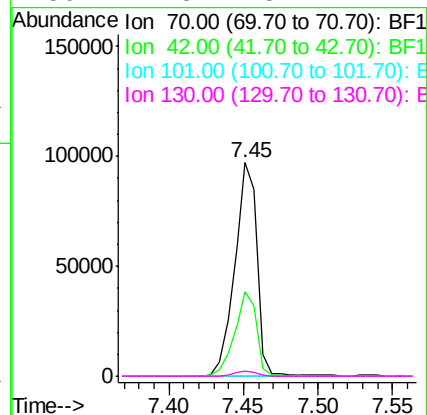
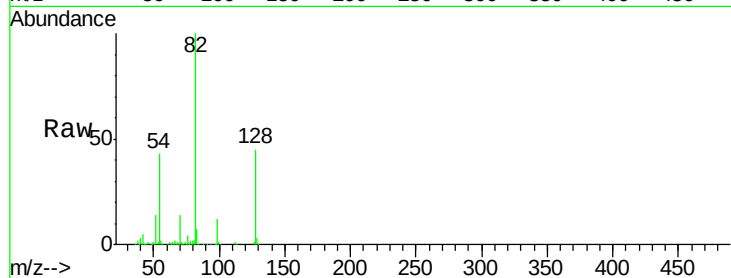




#19
n-Nitroso-di-n-propylamine
Concen: 15.172 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

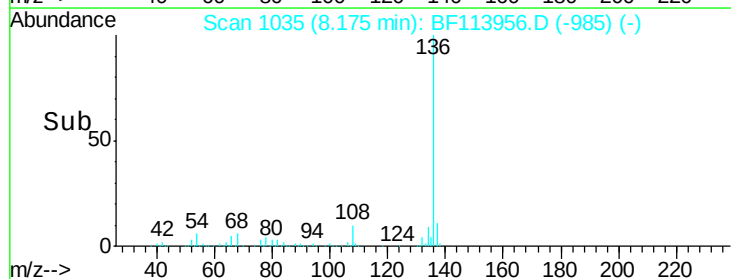
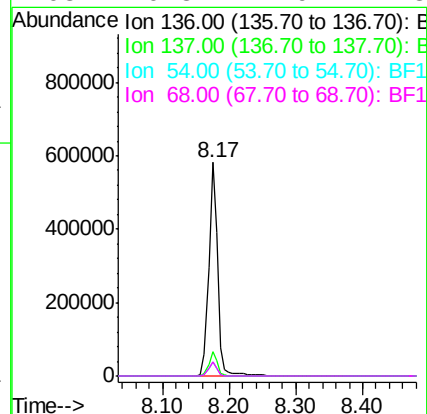
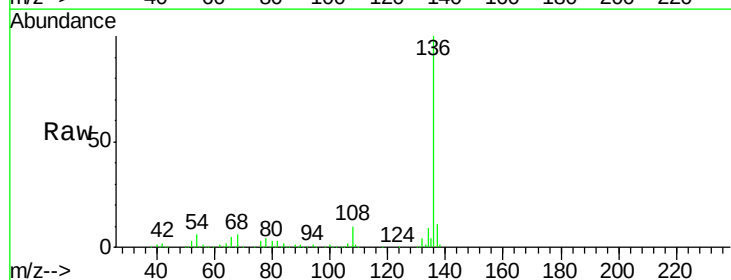
Instrument :
BNA_F
ClientSampleId :

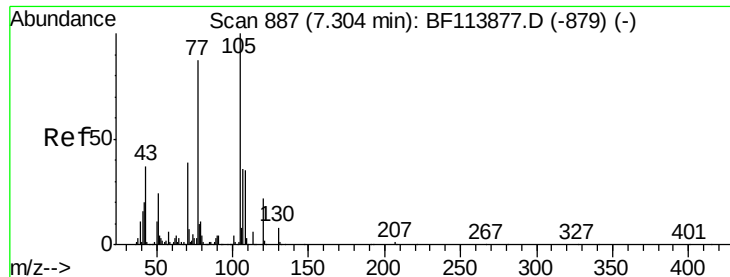
Tot Ion	Ratio	Lower	Upper
70	100		
42	39.8	37.3	55.9
101	0.0	7.8	11.8#
130	2.3	18.2	27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	6.4	5.0	7.6
68	6.3	4.9	7.3





#22

Acetophenone

Concen: 0.022 ng

RT: 7.29 min Scan# 885

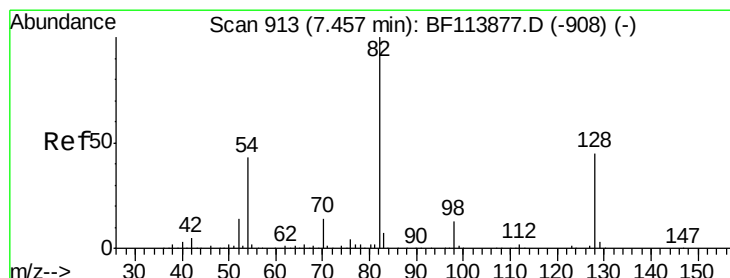
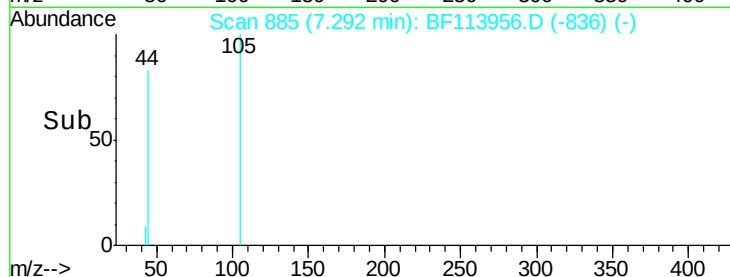
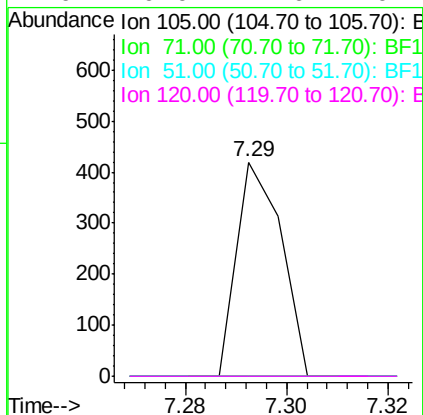
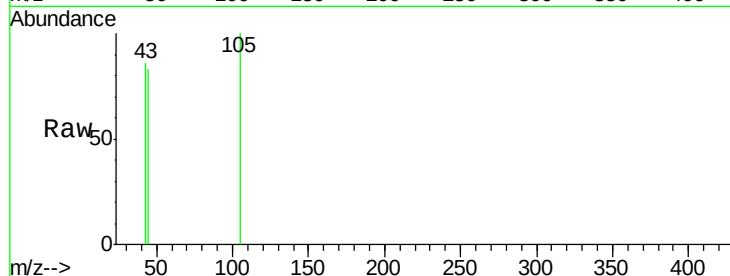
Delta R.T. -0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	105	Resp:	258
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: 89.627 ng

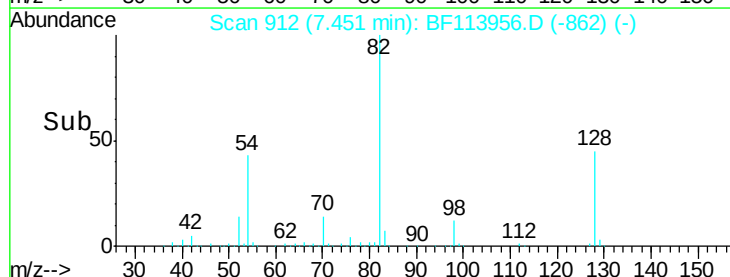
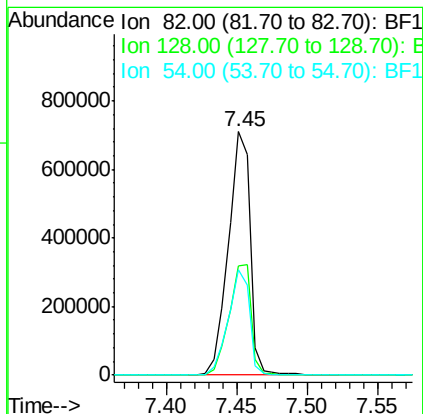
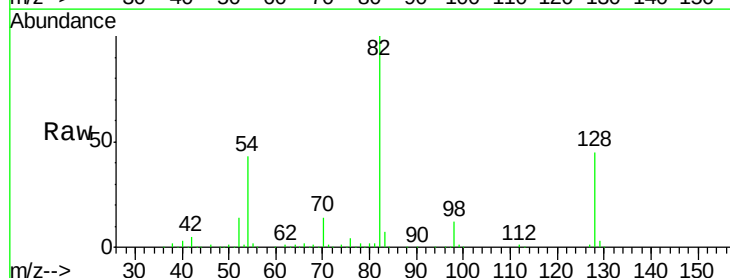
RT: 7.45 min Scan# 912

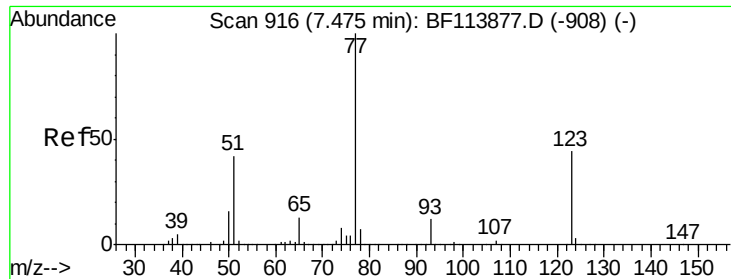
Delta R.T. -0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Tgt Ion:	82	Resp:	764572
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.8	55.2
54	43.2	33.8	50.6





#24

Nitrobenzene

Concen: 0.237 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Instrument :

BNA_F

ClientSampleID :

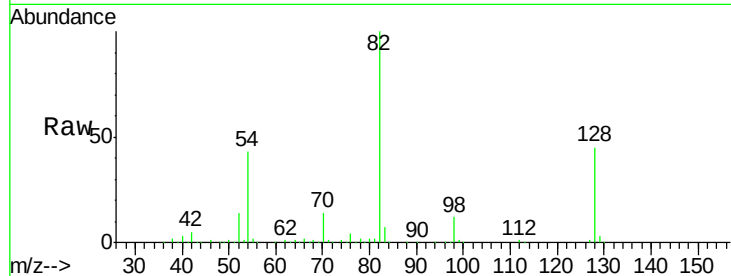
Tot Ion: 77 Resp: 2234

Ion Ratio Lower Upper

77 100

123 0.0 36.3 54.5#

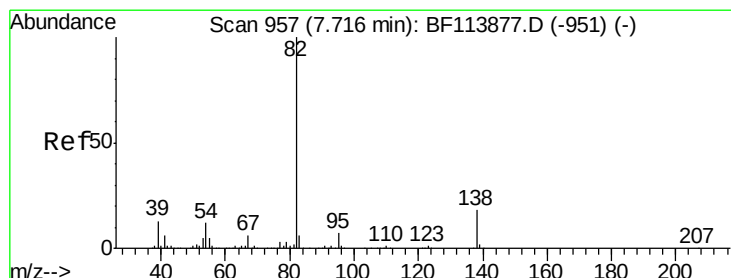
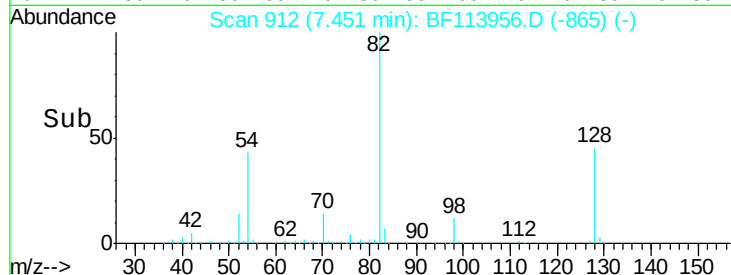
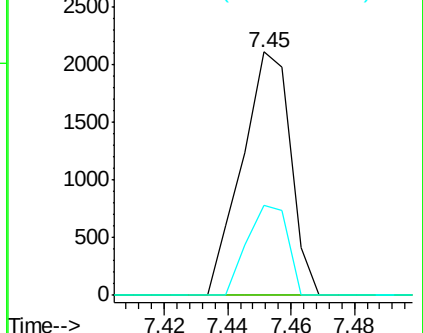
65 37.2 10.3 15.5#



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: 43.802 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

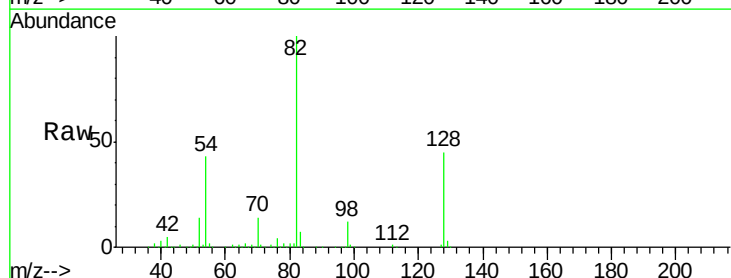
Tgt Ion: 82 Resp: 764557

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

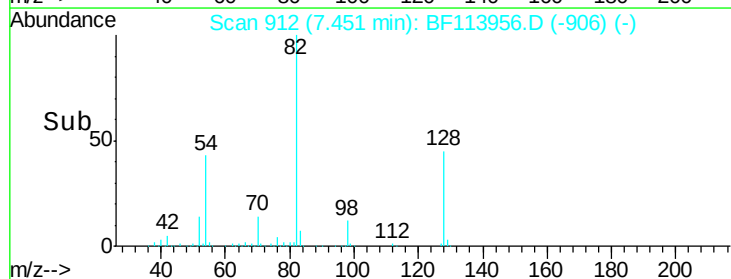
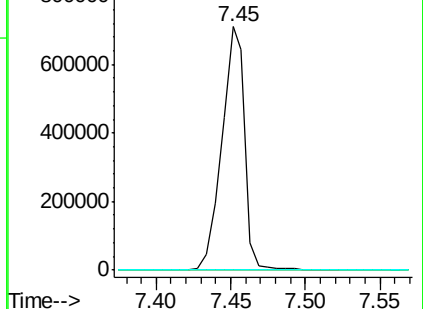
138 0.0 14.6 22.0#

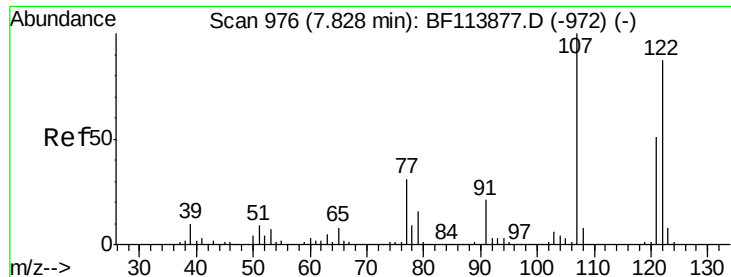


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

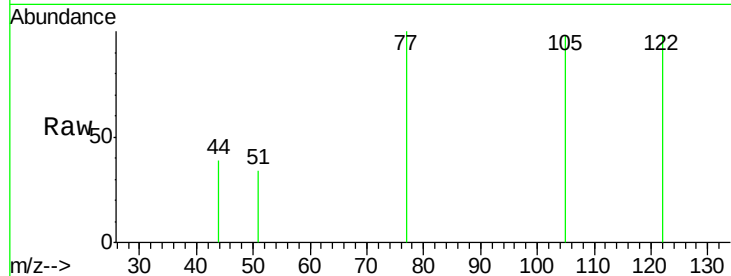




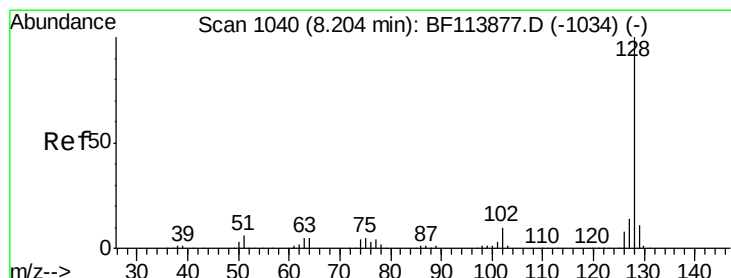
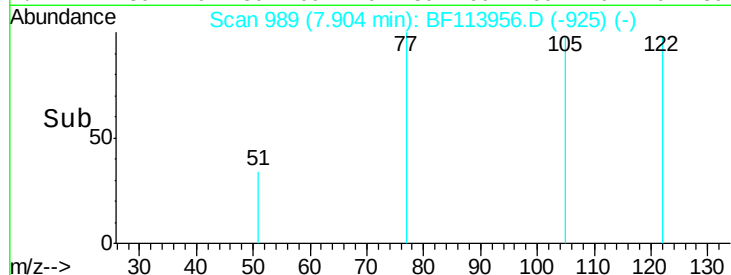
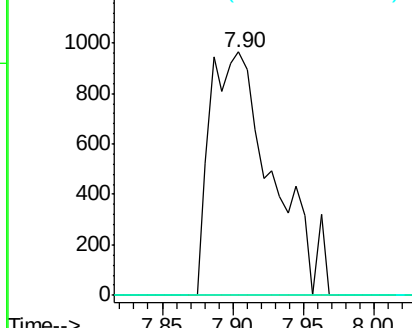
#27
 2,4-Dimethylphenol
 Concen: 0.426 ng
 RT: 7.90 min Scan# 989
 Delta R.T. 0.08 min
 Lab File: BF113956.D
 Acq: 24 Apr 2019 12:58

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:122 Resp: 2984
 Ion Ratio Lower Upper
 122 100
 107 0.0 91.2 136.8#
 121 0.0 46.4 69.6#

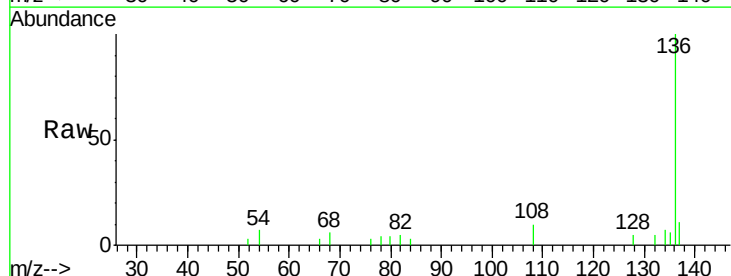


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

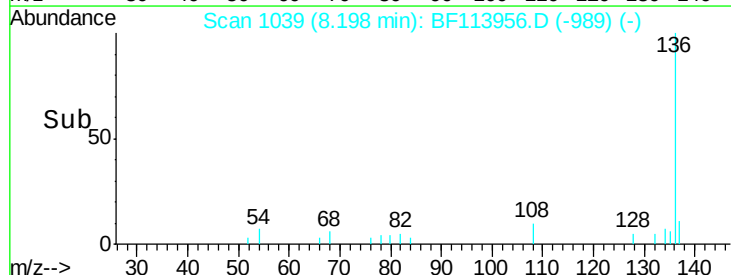
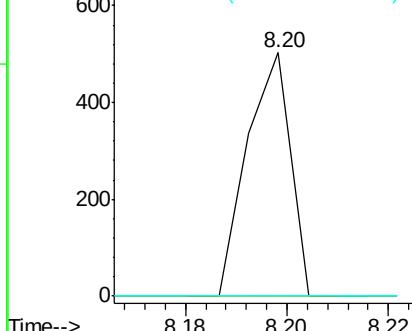


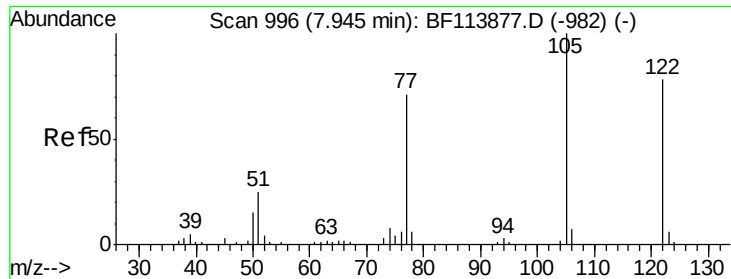
#31
 Naphthalene
 Concen: 0.012 ng
 RT: 8.20 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF113956.D
 Acq: 24 Apr 2019 12:58

Tgt Ion:128 Resp: 296
 Ion Ratio Lower Upper
 128 100
 129 0.0 9.4 14.0#
 127 0.0 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

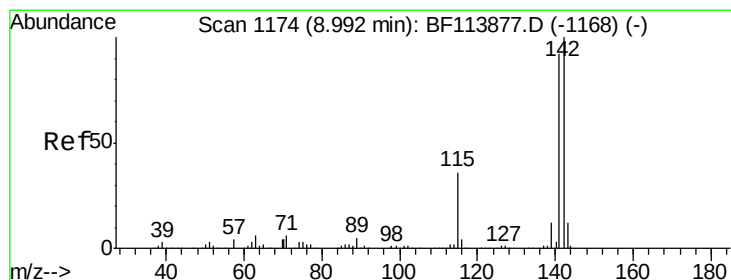
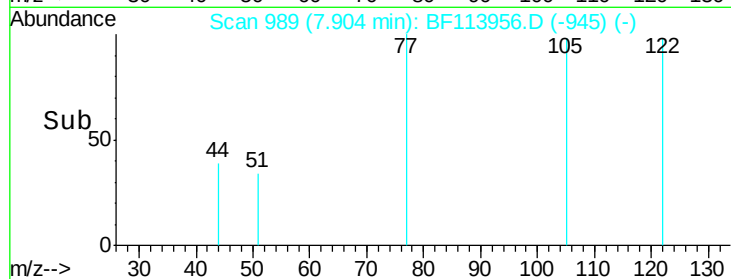
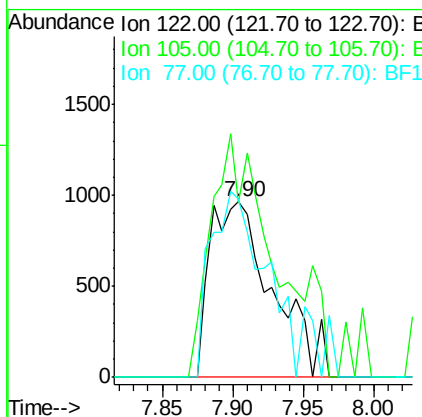
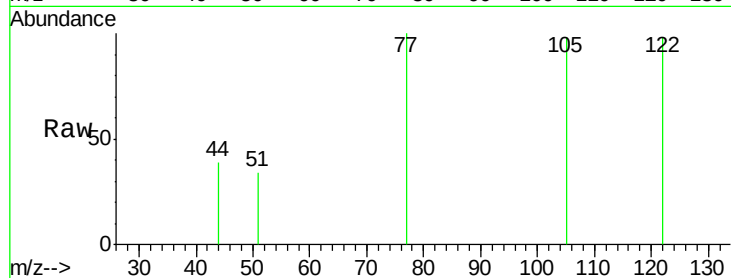




#32
Benzoic acid
Concen: 0.631 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.04 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

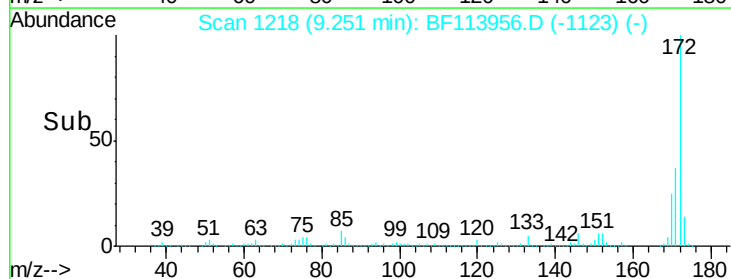
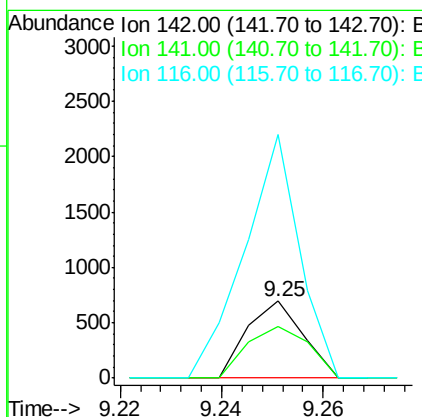
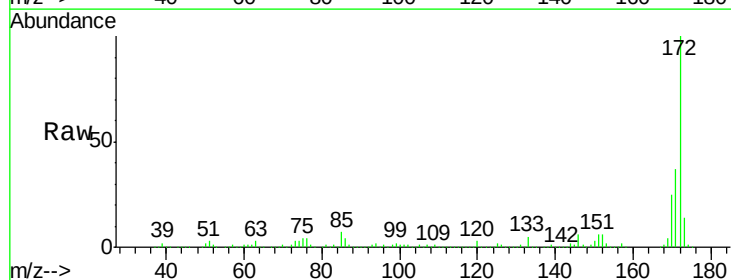
Instrument :
BNA_F
ClientSampleId :

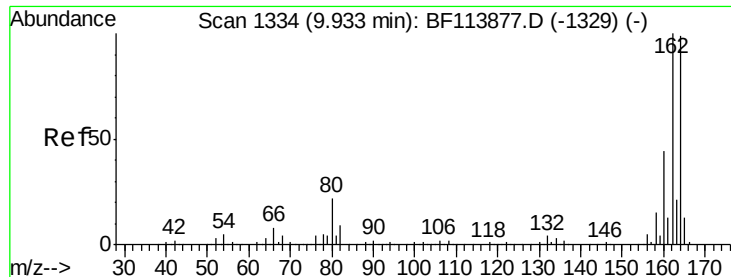
Tot Ion:122 Resp: 2984
Ion Ratio Lower Upper
122 100
105 99.4 104.3 144.3#
77 101.7 70.4 110.4



#38
1-Methylnaphthalene
Concen: 0.033 ng
RT: 9.25 min Scan# 1218
Delta R.T. 0.26 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Tgt Ion:142 Resp: 534
Ion Ratio Lower Upper
142 100
141 66.6 72.3 108.5#
116 316.9 3.0 4.4#

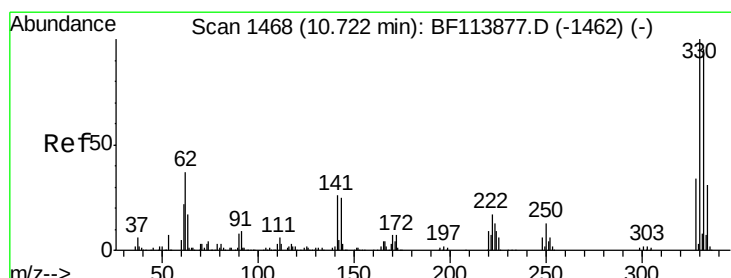
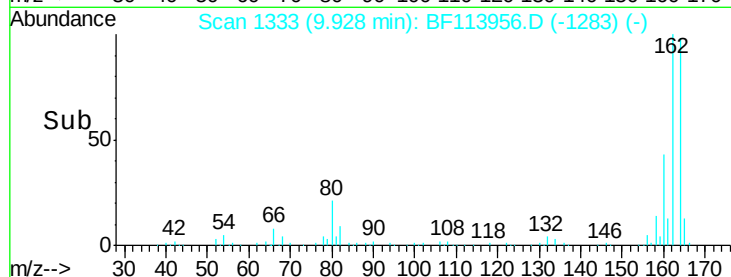
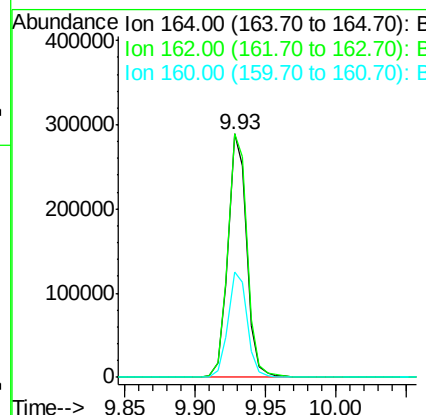
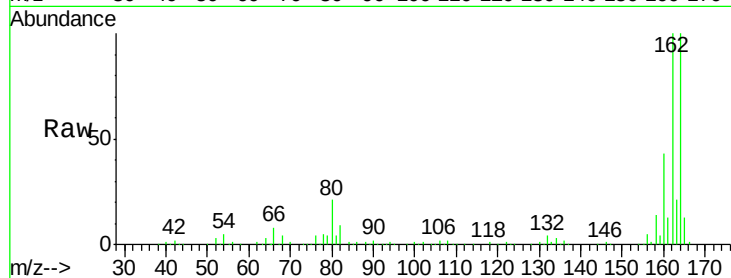




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

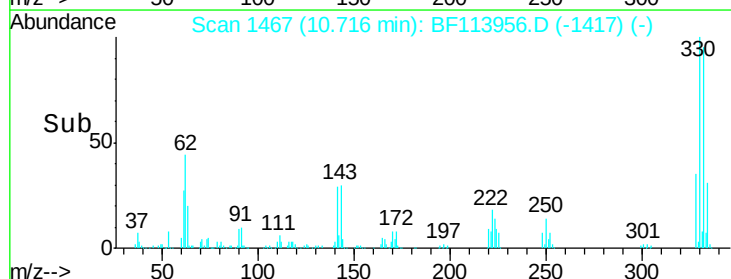
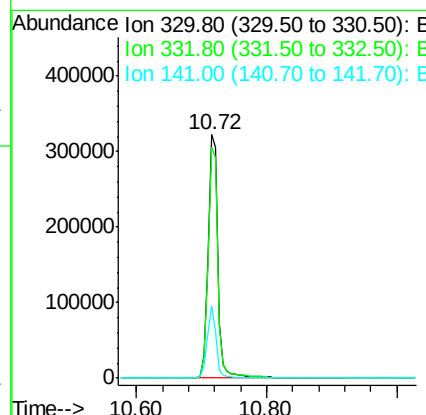
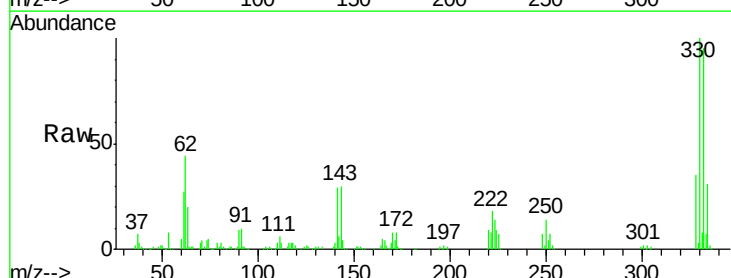
Instrument :
BNA_F
ClientSampleId :

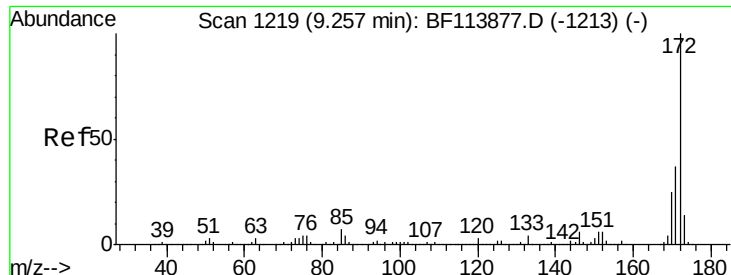
Tot Ion:164 Resp: 266488
Ion Ratio Lower Upper
164 100
162 99.8 81.1 121.7
160 43.2 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 104.080 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Tgt Ion:330 Resp: 337883
Ion Ratio Lower Upper
330 100
332 94.9 77.5 116.3
141 26.9 22.2 33.2

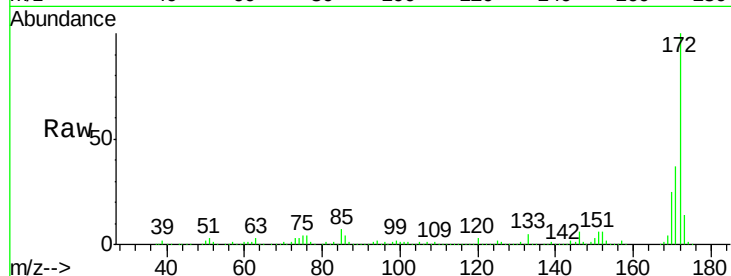




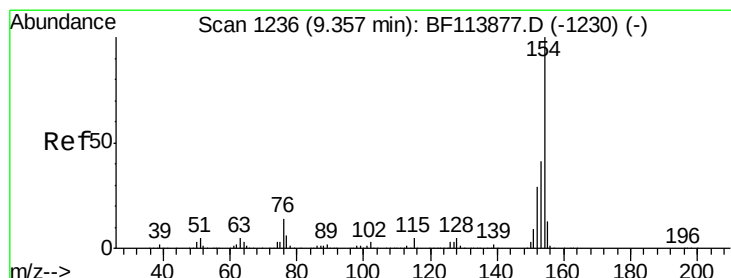
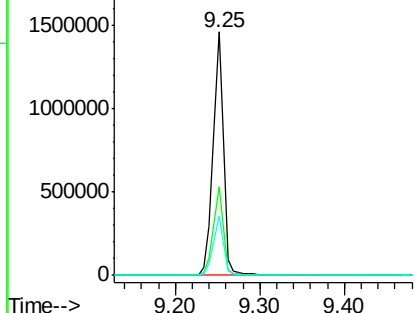
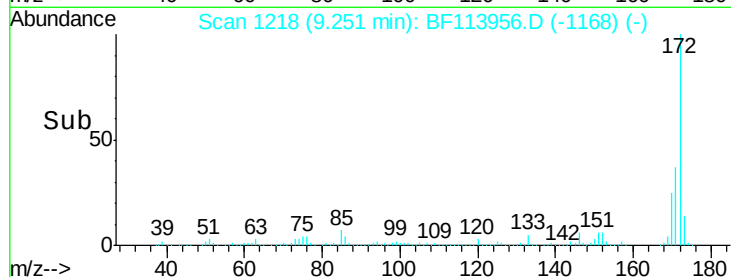
#45
2-Fluorobiphenyl
Concen: 78.462 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1336891
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 24.5 19.9 29.9

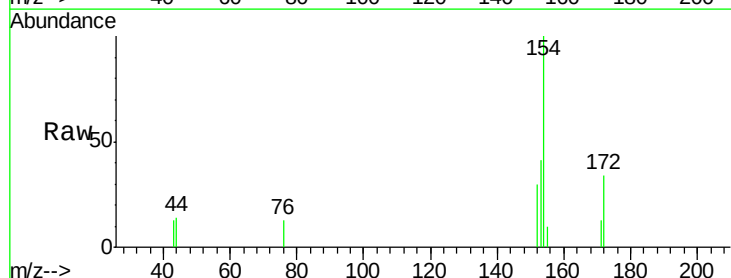


Abundance Ion 172.00 (171.70 to 172.70): E
2000000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

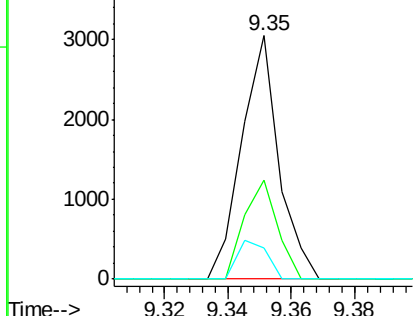
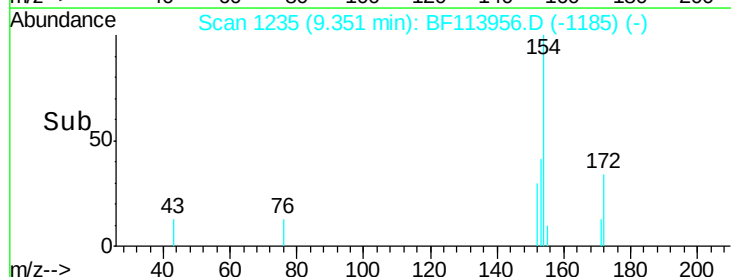


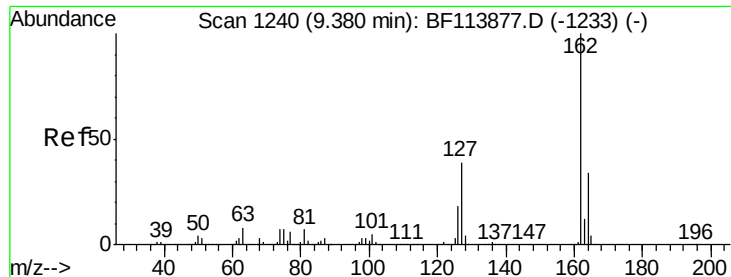
#46
1,1'-Biphenyl
Concen: 0.122 ng
RT: 9.35 min Scan# 1235
Delta R.T. -0.01 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Tgt Ion:154 Resp: 2475
Ion Ratio Lower Upper
154 100
153 40.9 20.8 60.8
76 12.7 0.0 35.2



Abundance Ion 154.00 (153.70 to 154.70): E
4000
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

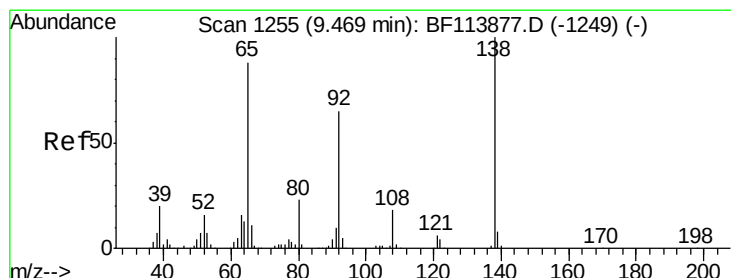
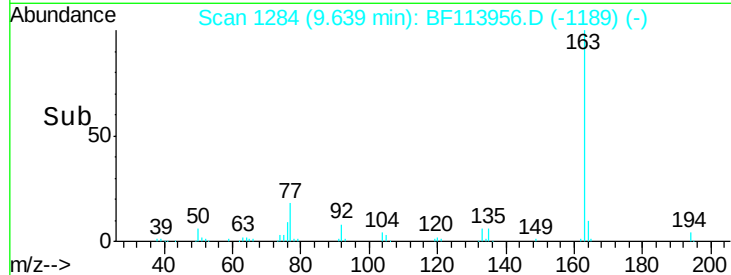
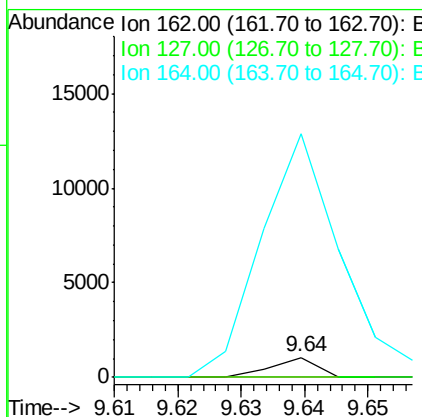
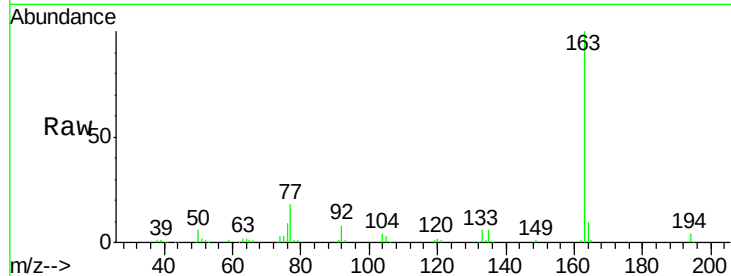




#47
 2-Chloronaphthalene
 Concen: 0.031 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. 0.26 min
 Lab File: BF113956.D
 Acq: 24 Apr 2019 12:58

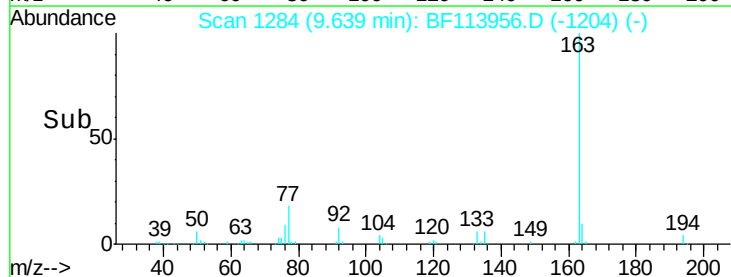
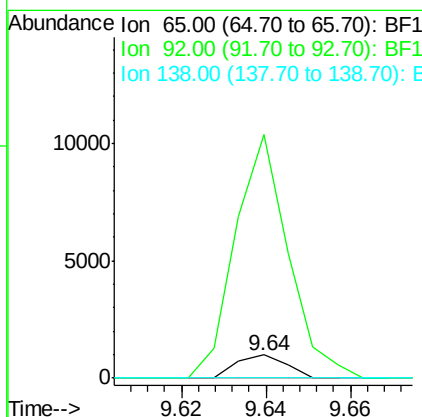
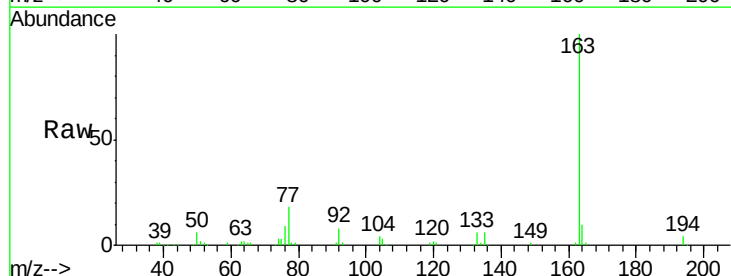
Instrument :
 BNA_F
 ClientSampleId :

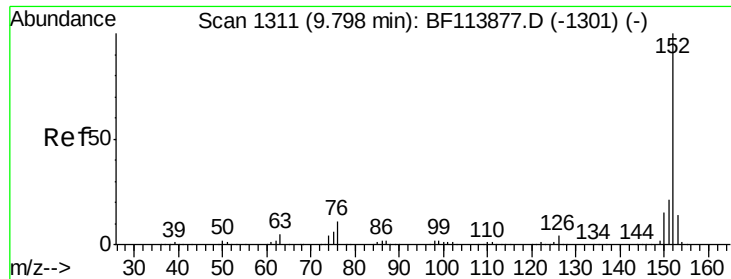
Tot Ion:162 Resp: 517
 Ion Ratio Lower Upper
 162 100
 127 0.0 29.3 43.9#
 164 1225.8 27.1 40.7#



#48
 2-Nitroaniline
 Concen: 0.185 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. 0.17 min
 Lab File: BF113956.D
 Acq: 24 Apr 2019 12:58

Tgt Ion: 65 Resp: 803
 Ion Ratio Lower Upper
 65 100
 92 1048.2 57.4 86.0#
 138 0.0 85.4 128.0#





#49

Acenaphthylene

Concen: 0.021 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Instrument :

BNA_F

ClientSampleId :

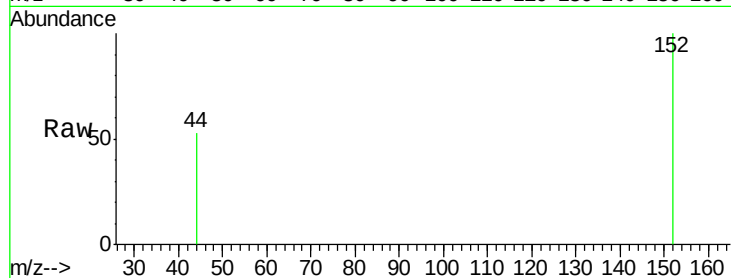
Tot Ion:152 Resp: 541

Ion Ratio Lower Upper

152 100

151 0.0 17.0 25.4#

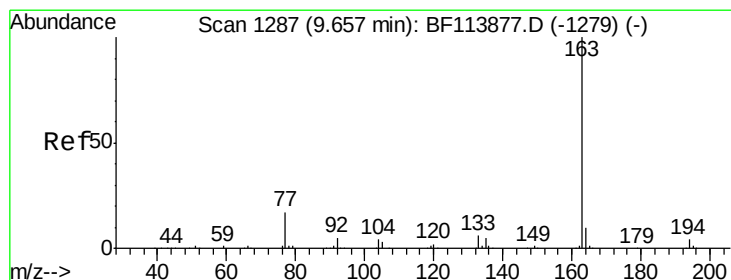
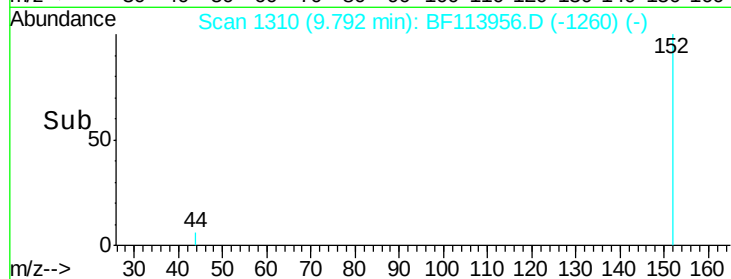
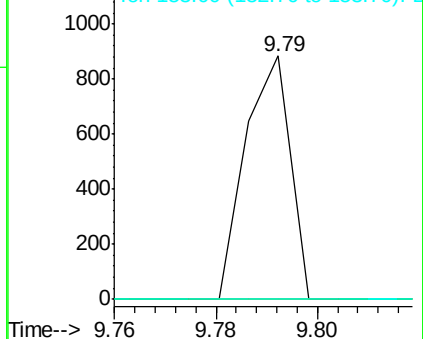
153 0.0 11.0 16.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.943 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

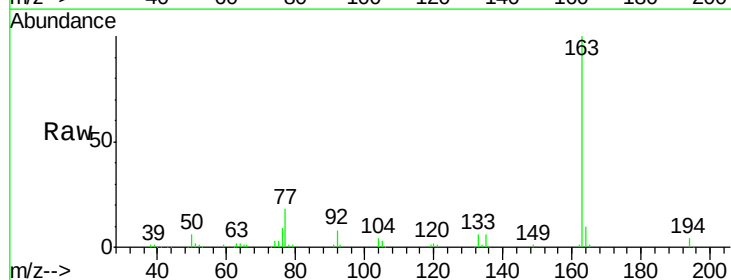
Tgt Ion:163 Resp: 114540

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

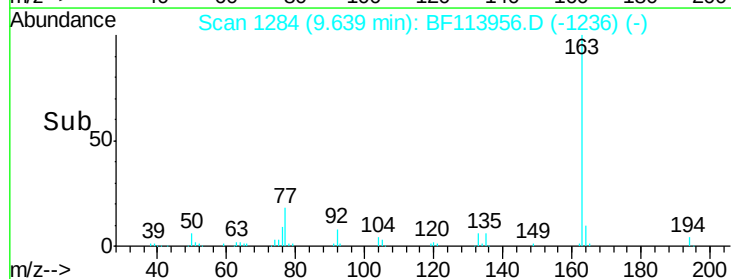
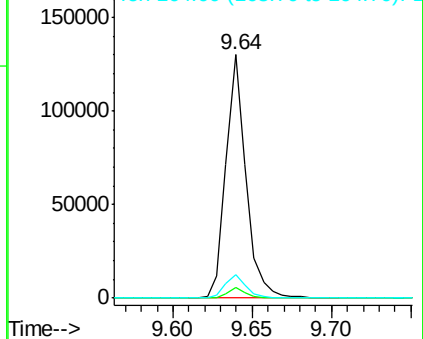
164 9.9 8.5 12.7

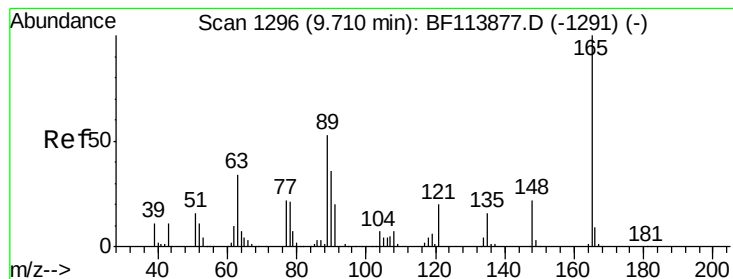


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 0.263 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.07 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Instrument :

BNA_F

ClientSampleId :

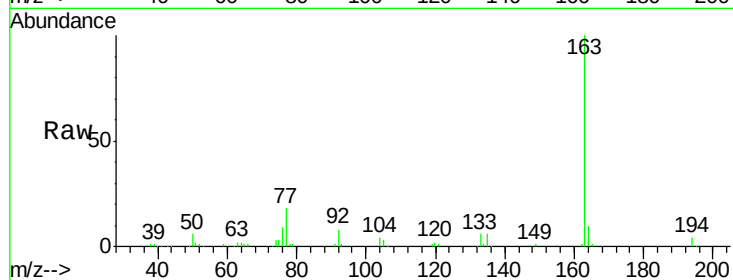
Tot Ion:165 Resp: 1088

Ion Ratio Lower Upper

165 100

63 135.7 33.8 50.8#

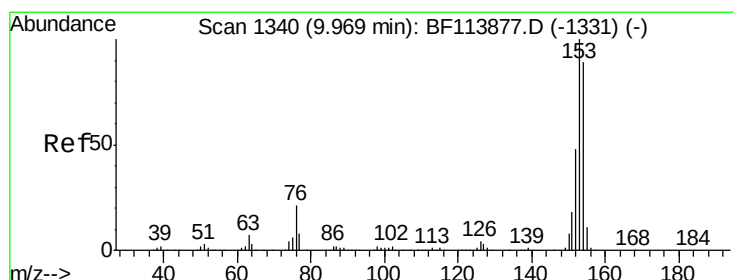
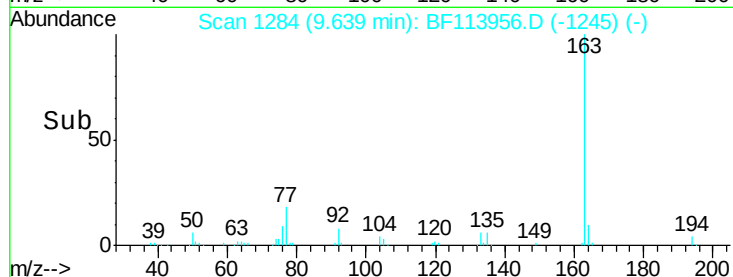
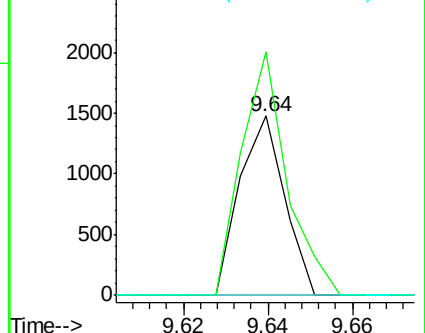
89 0.0 38.2 57.2#



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: 0.031 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

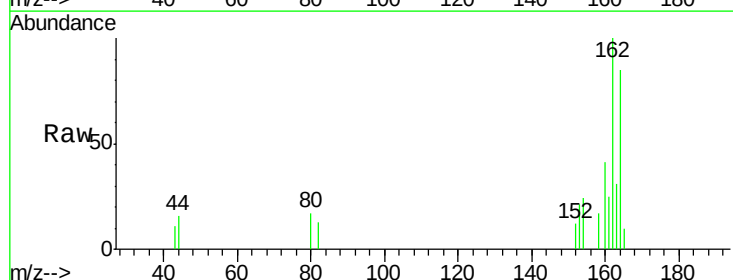
Tgt Ion:154 Resp: 478

Ion Ratio Lower Upper

154 100

153 88.0 87.2 130.8

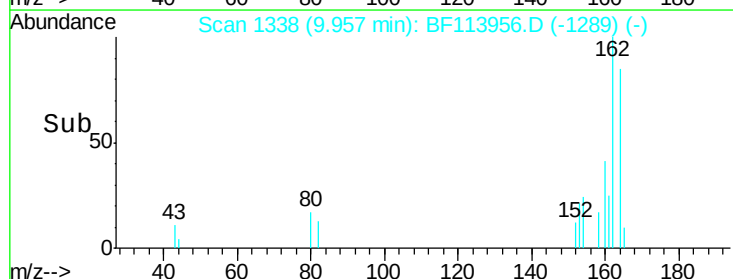
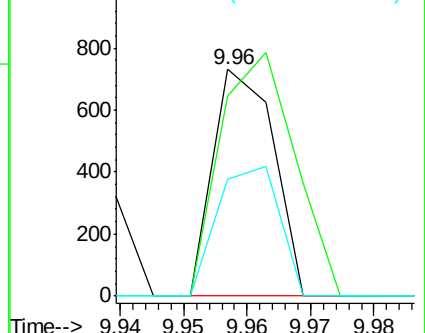
152 51.2 42.3 63.5

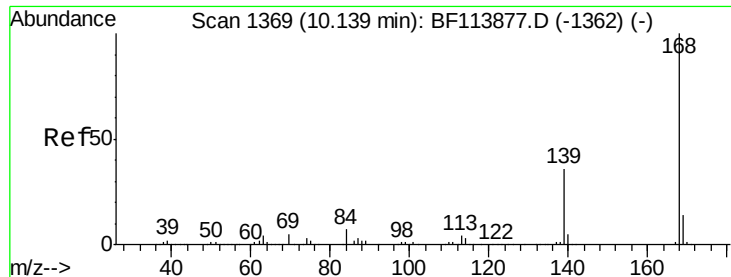


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

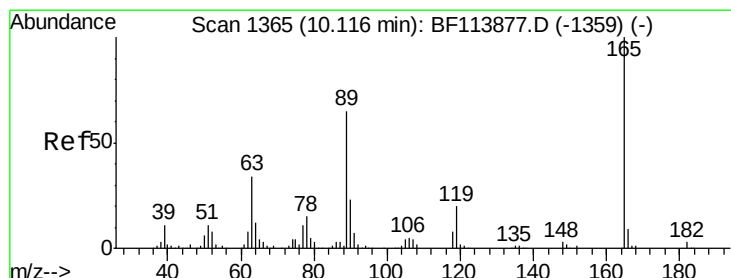
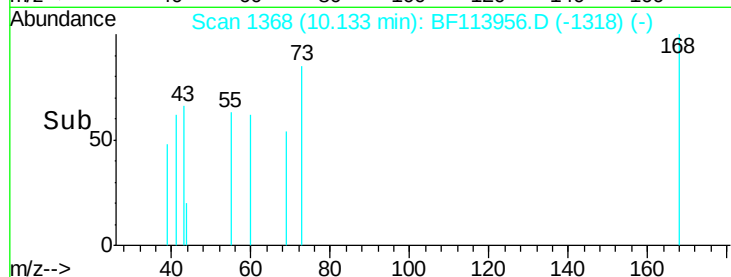
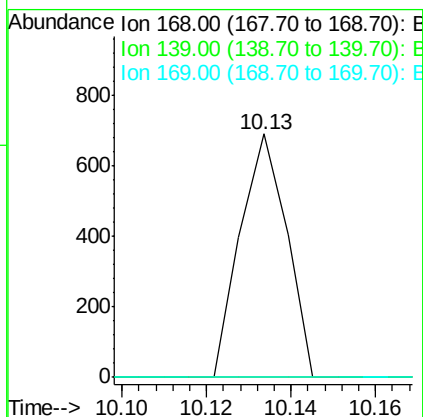
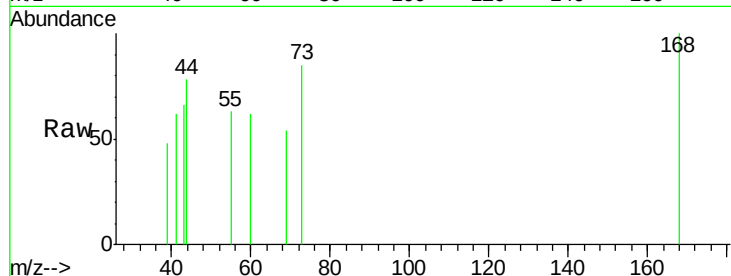




#55
Dibenzofuran
Concen: 0.023 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

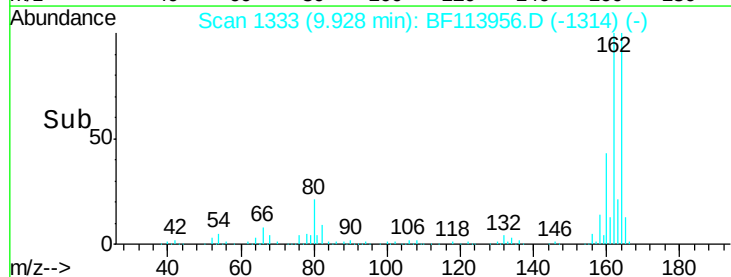
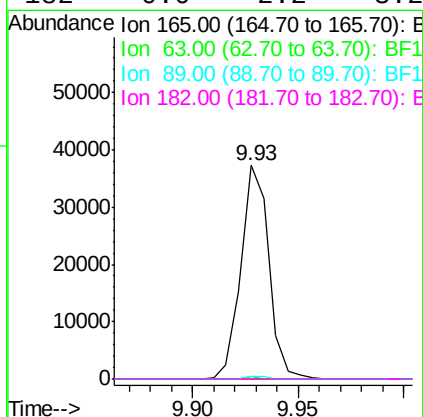
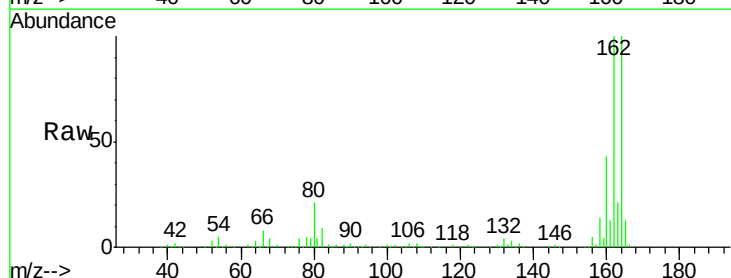
Instrument :
BNA_F
ClientSampleId :

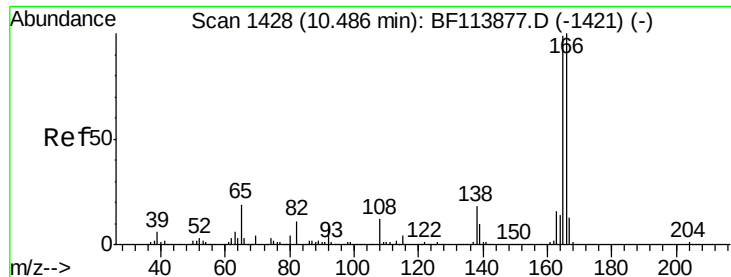
Tot Ion:168 Resp: 525
Ion Ratio Lower Upper
168 100
139 0.0 27.8 41.6#
169 0.0 11.0 16.6#



#57
2,4-Dinitrotoluene
Concen: 6.517 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.19 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Tgt Ion:165 Resp: 34014
Ion Ratio Lower Upper
165 100
63 1.0 27.4 41.0#
89 1.3 51.8 77.6#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 0.052 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Instrument :

BNA_F

ClientSampleId :

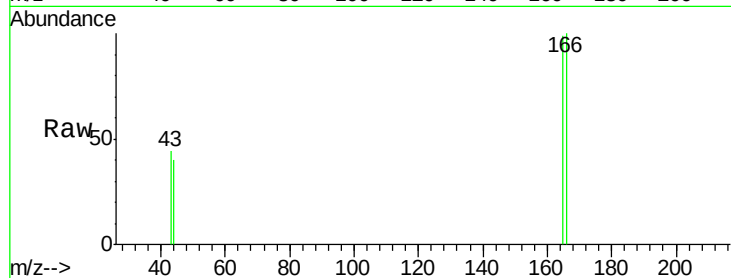
Tot Ion:166 Resp: 898

Ion Ratio Lower Upper

166 100

165 98.9 78.4 117.6

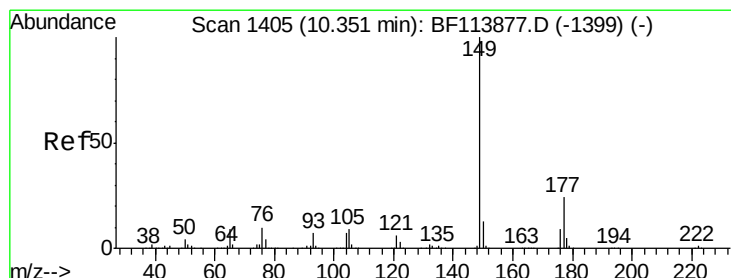
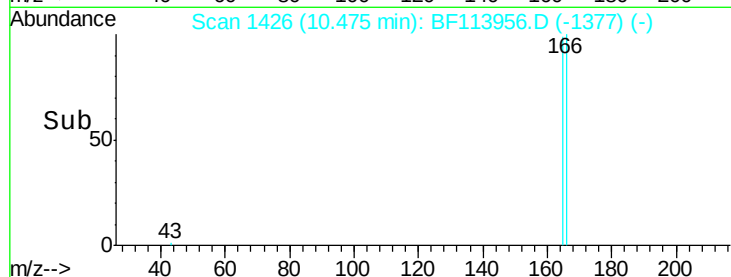
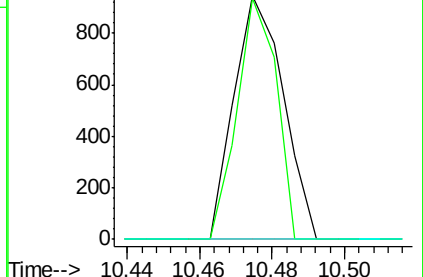
167 0.0 10.9 16.3#



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



#60

Diethylphthalate

Concen: 0.027 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

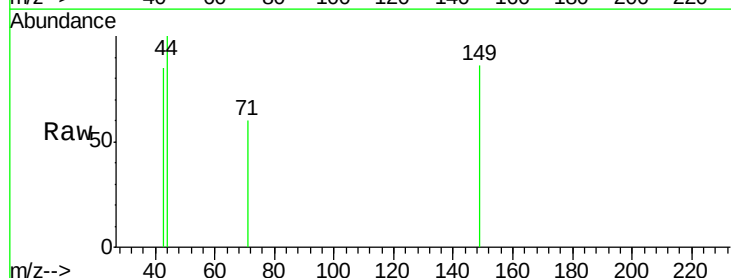
Tgt Ion:149 Resp: 494

Ion Ratio Lower Upper

149 100

177 0.0 19.2 28.8#

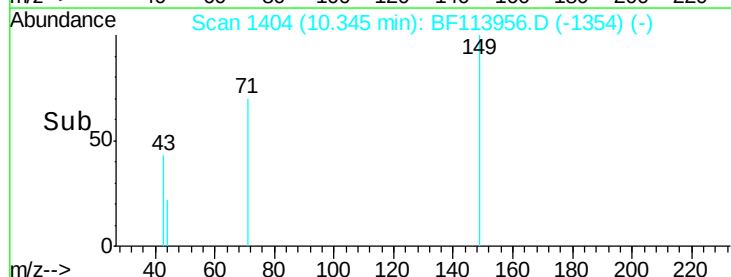
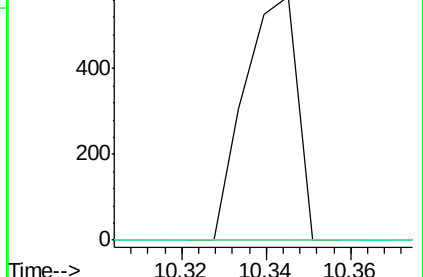
150 0.0 10.3 15.5#

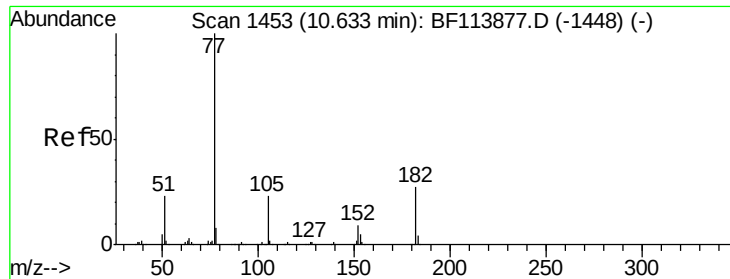


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.072 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.08 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 1282

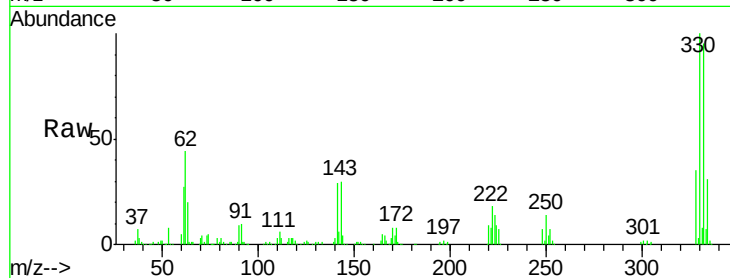
Ion Ratio Lower Upper

77 100

182 32.8 4.4 44.4

105 102.3 2.2 42.2#

51 81.6 3.9 43.9#

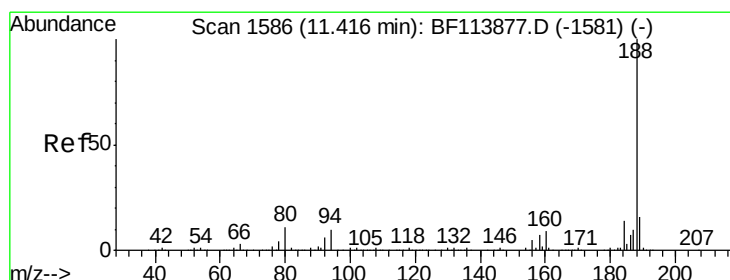
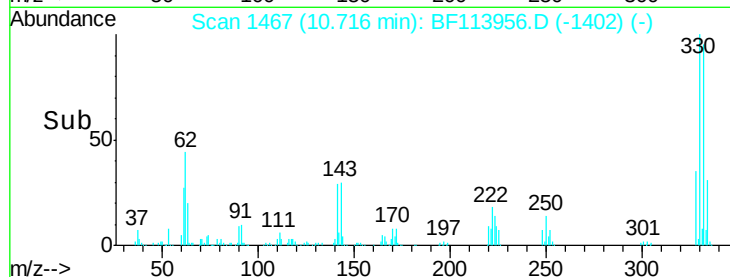
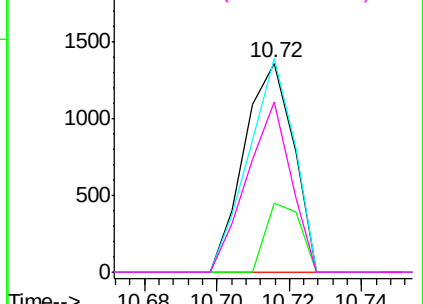


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF113956.D

Acq: 24 Apr 2019 12:58

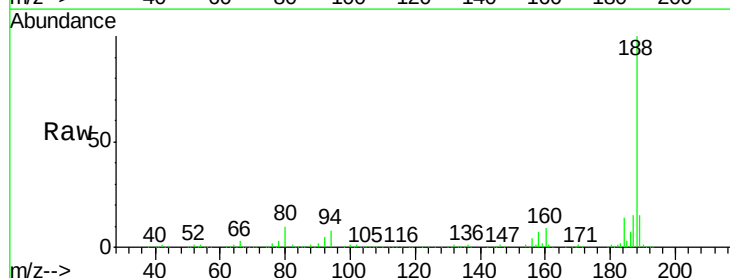
Tgt Ion: 188 Resp: 498969

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.4

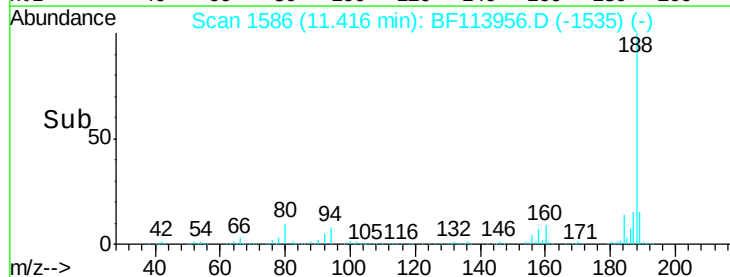
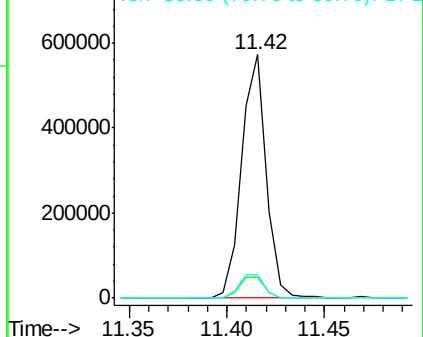
80 9.5 9.0 13.6

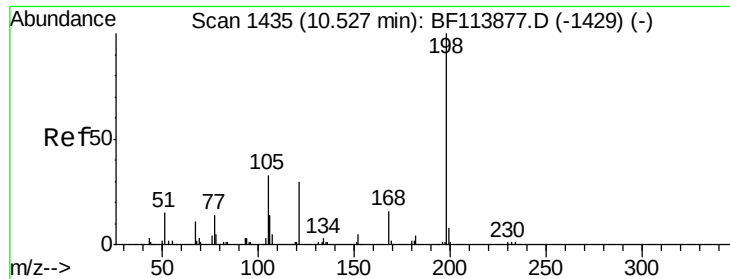


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

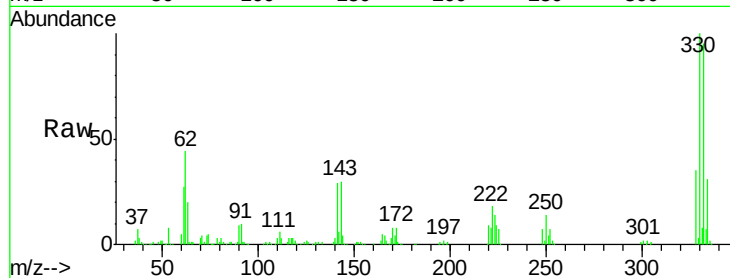




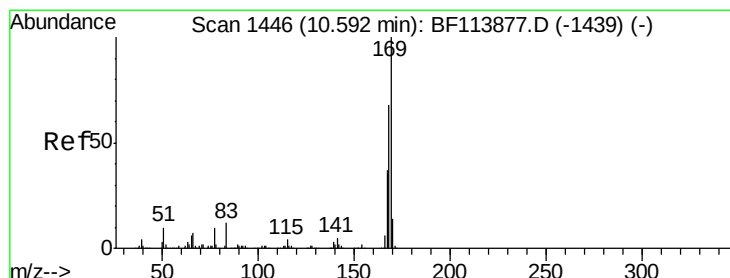
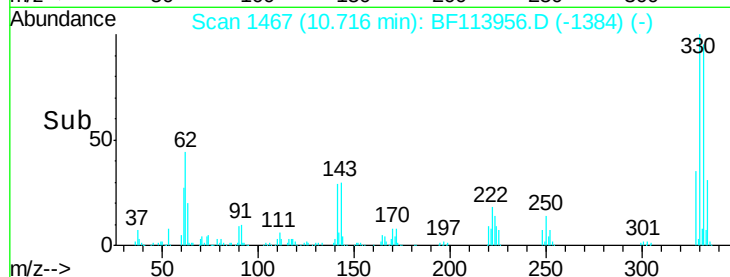
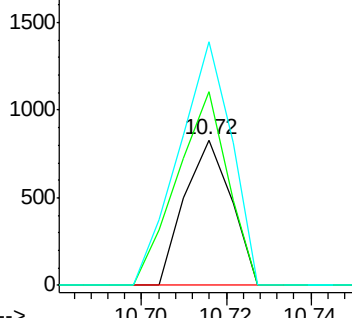
#65
4,6-Dinitro-2-methylphenol
Concen: 7.543 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 634
Ion Ratio Lower Upper
198 100
51 133.5 11.1 51.1#
105 167.3 20.7 60.7#

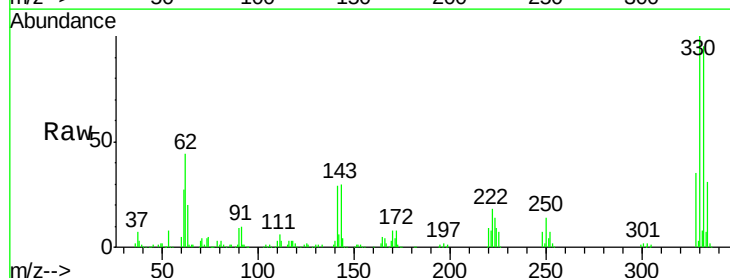


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

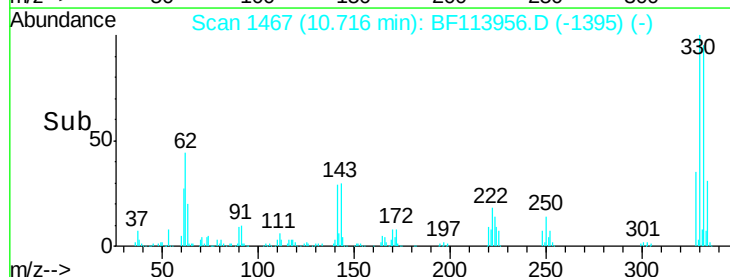
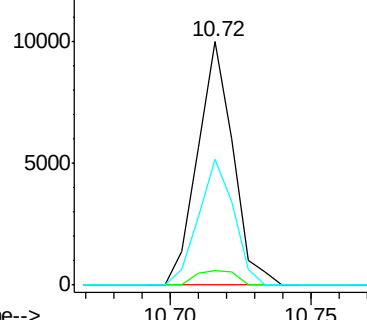


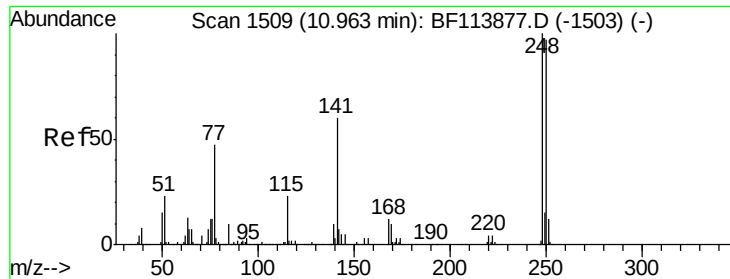
#66
n-Nitrosodiphenylamine
Concen: 0.580 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.12 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Tgt Ion:169 Resp: 8683
Ion Ratio Lower Upper
169 100
168 6.0 54.3 81.5#
167 51.9 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

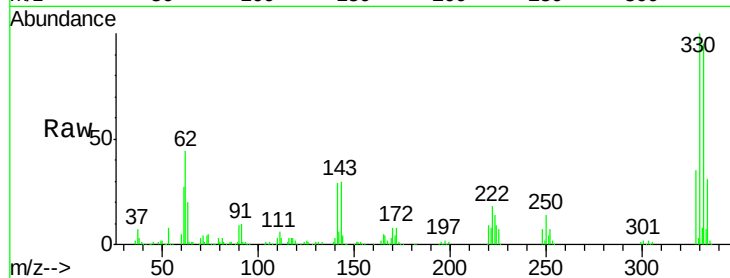




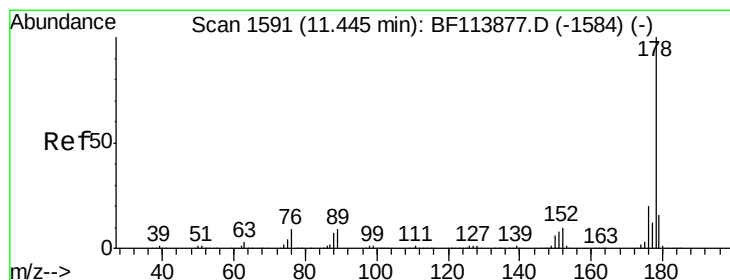
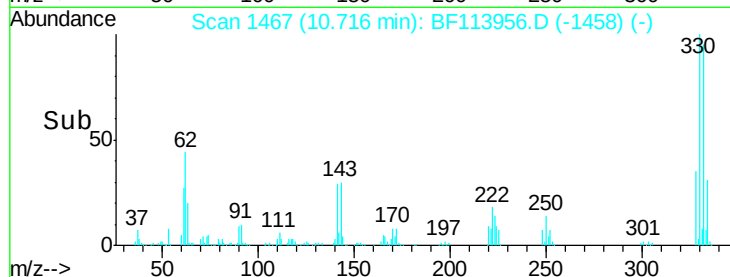
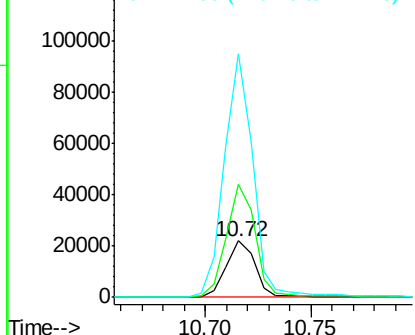
#67
 4-Bromophenyl-phenylether
 Concen: 3.494 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF113956.D
 Acq: 24 Apr 2019 12:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 21059
 Ion Ratio Lower Upper
 248 100
 250 199.4 75.8 113.6#
 141 431.4 50.2 75.4#

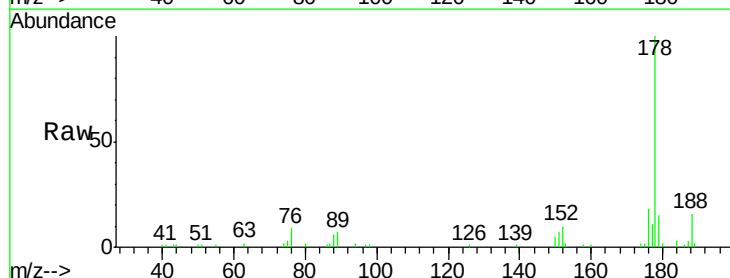


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

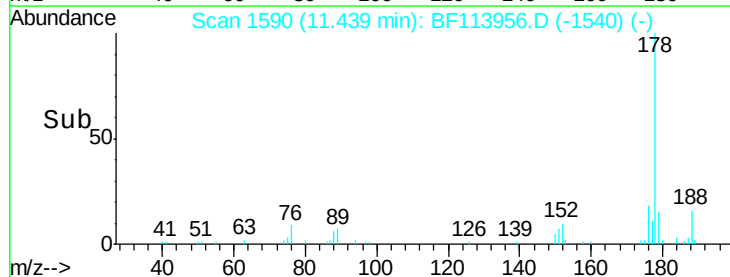
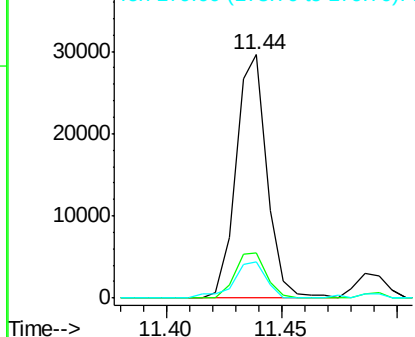


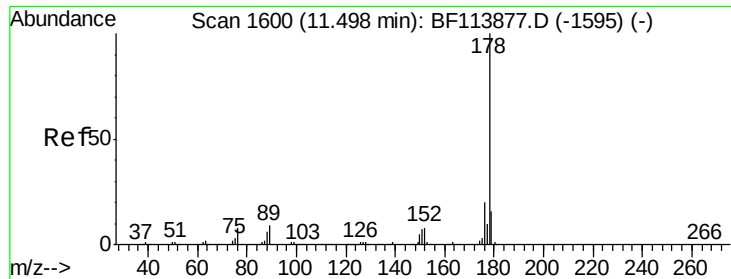
#71
 Phenanthrene
 Concen: 1.102 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113956.D
 Acq: 24 Apr 2019 12:58

Tgt Ion:178 Resp: 27637
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.1 24.1
 179 14.9 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

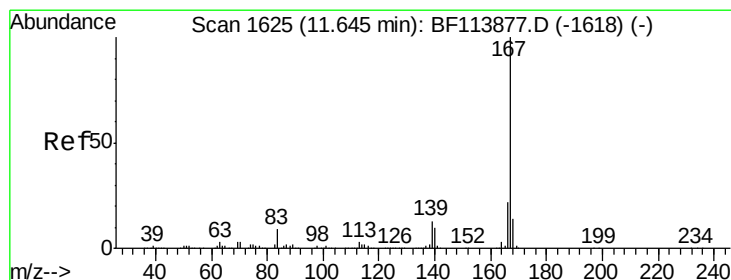
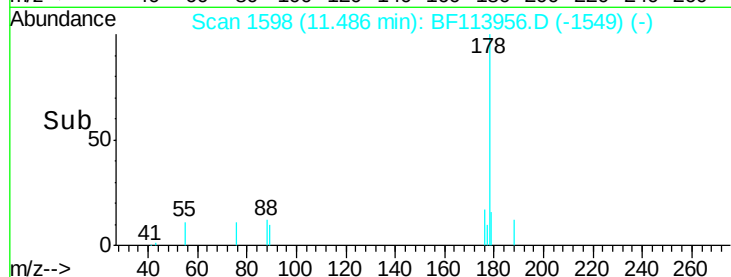
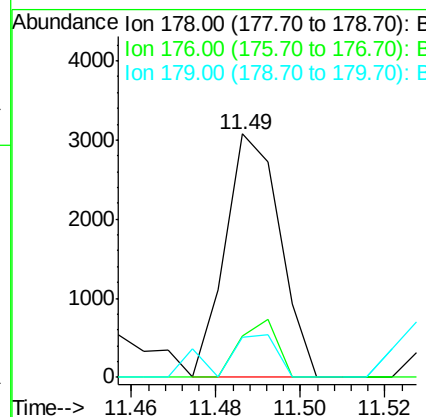
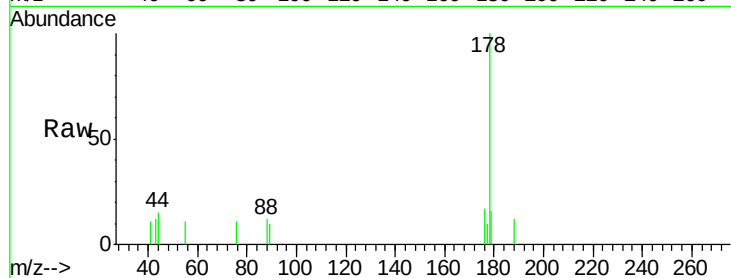




#72
 Anthracene
 Concen: 0.109 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF113956.D
 Acq: 24 Apr 2019 12:58

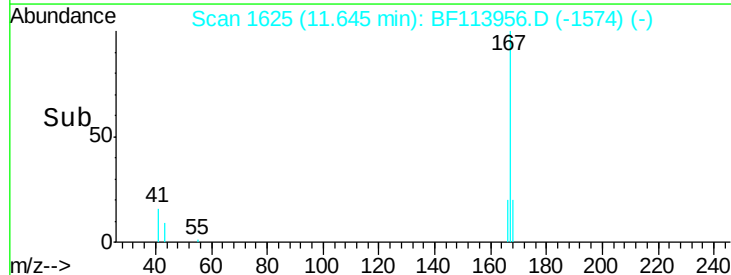
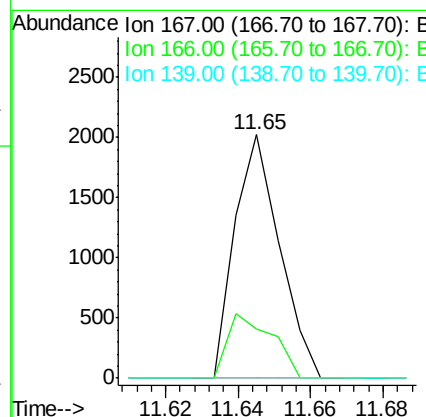
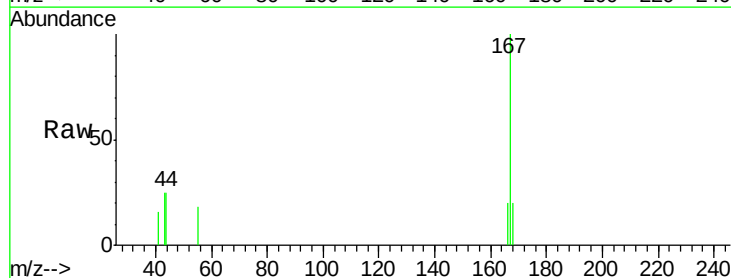
Instrument :
 BNA_F
 ClientSampleId :

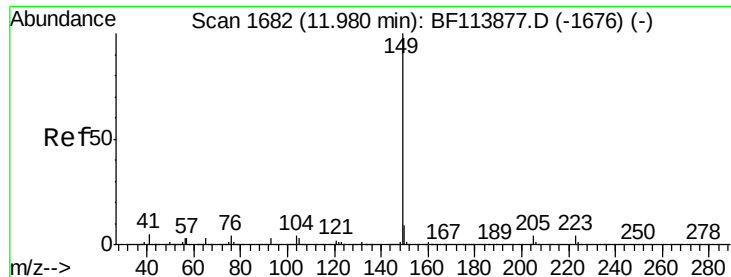
Tot Ion:178 Resp: 2763
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.7 23.5
 179 16.3 13.0 19.4



#73
 Carbazole
 Concen: 0.077 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BF113956.D
 Acq: 24 Apr 2019 12:58

Tgt Ion:167 Resp: 1736
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.7 26.5
 139 0.0 10.0 15.0#





#74

Di-n-butylphthalate

Concen: 0.085 ng

RT: 11.97 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Instrument :

BNA_F

ClientSampleId :

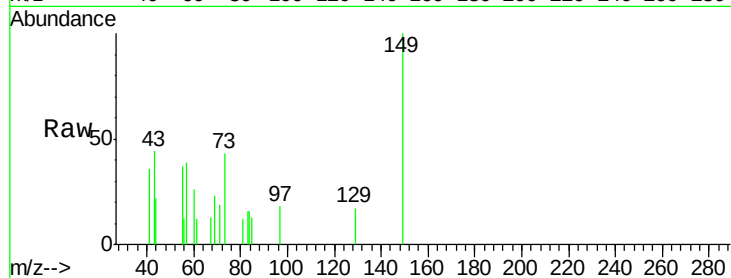
Tot Ion:149 Resp: 2271

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.8#

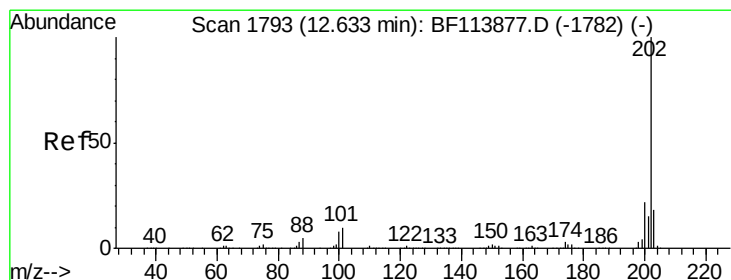
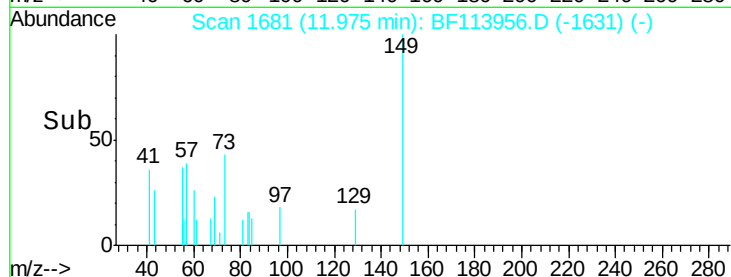
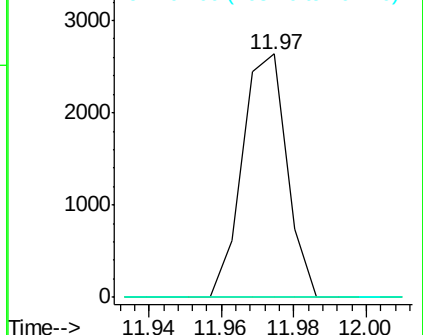
104 0.0 3.8 5.8#



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



#75

Fluoranthene

Concen: 1.896 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

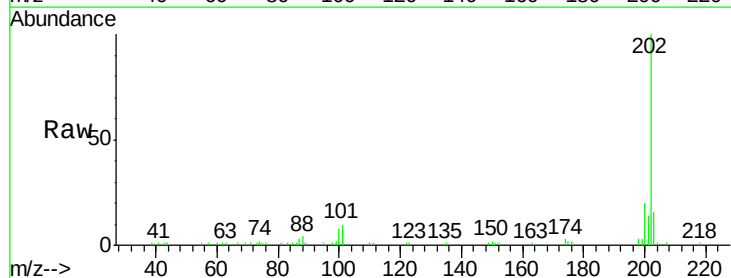
Tgt Ion:202 Resp: 51874

Ion Ratio Lower Upper

202 100

101 10.4 0.0 32.9

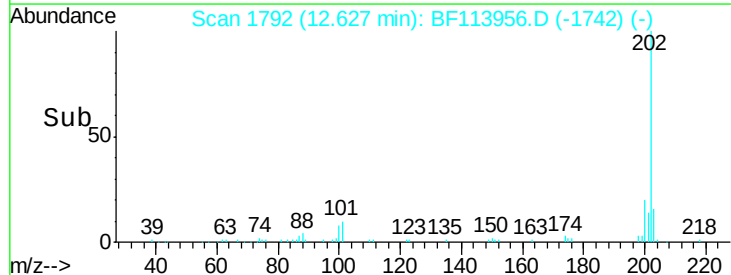
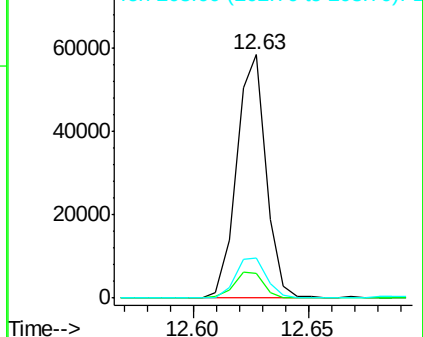
203 16.3 0.0 38.2

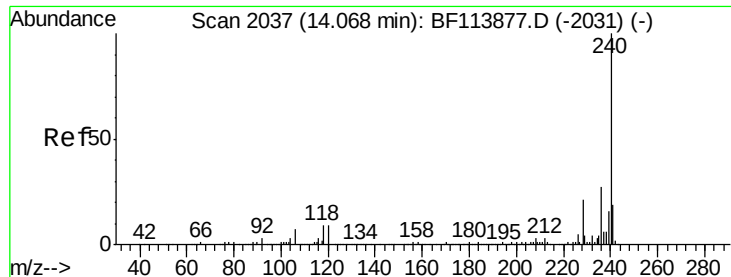


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

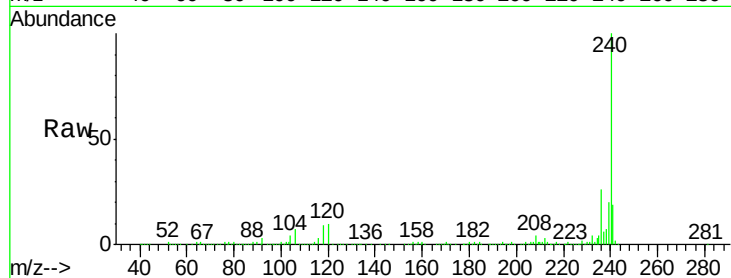




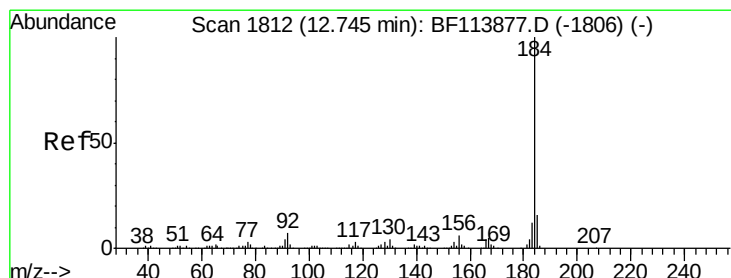
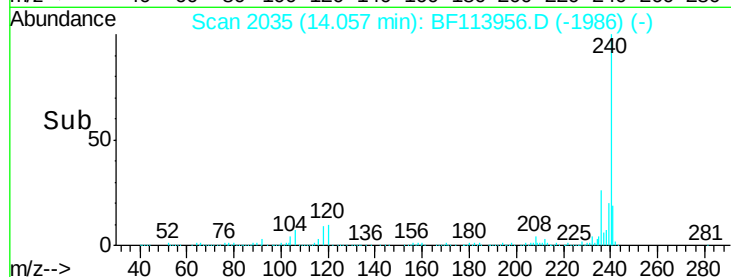
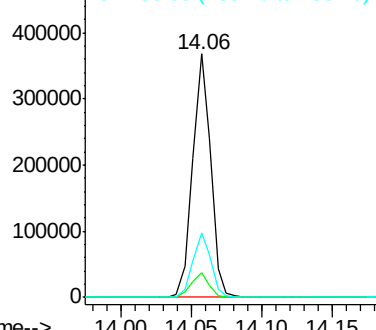
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 326815
Ion Ratio Lower Upper
240 100
120 10.3 9.3 13.9
236 26.4 21.2 31.8

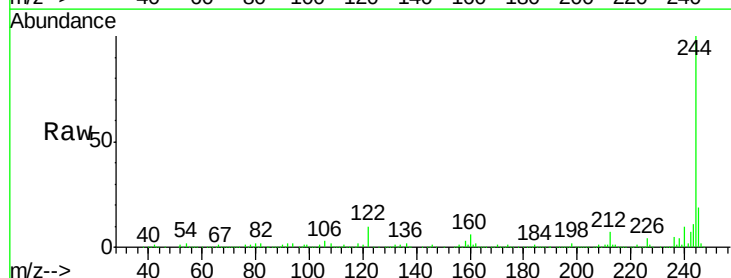


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

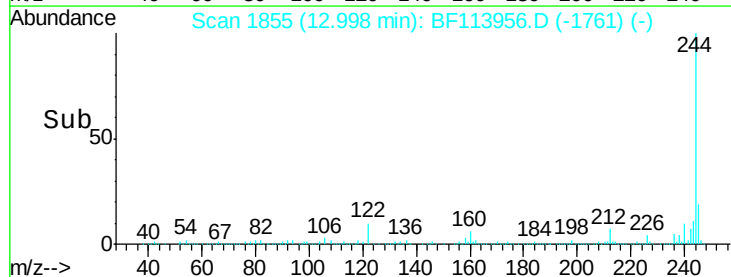
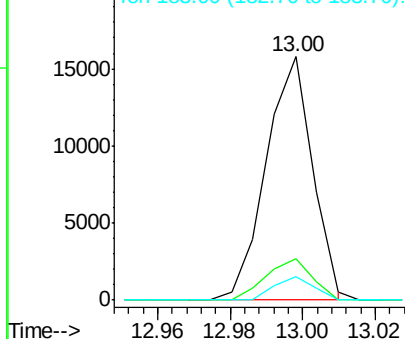


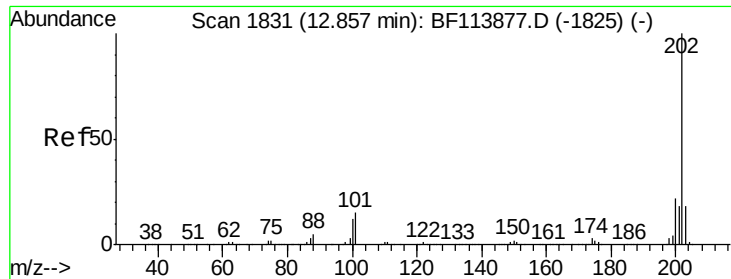
#77
Benzidine
Concen: 1.443 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.25 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Tgt Ion:184 Resp: 14055
Ion Ratio Lower Upper
184 100
185 16.8 13.0 19.6
183 9.5 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

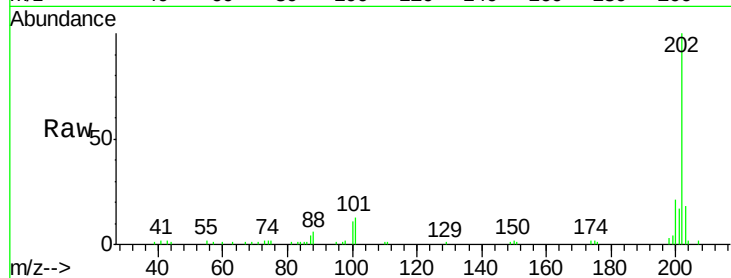




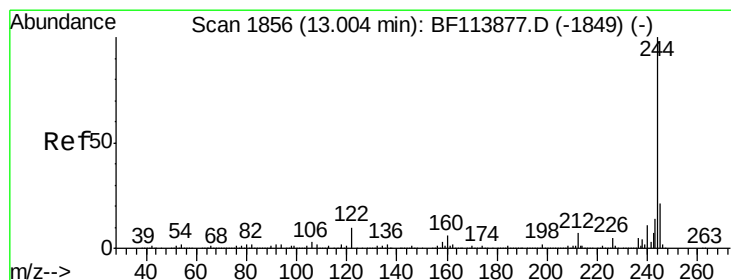
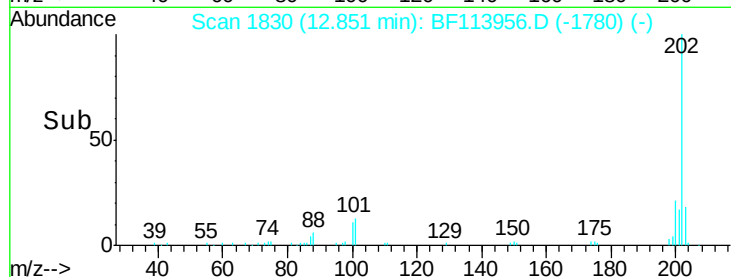
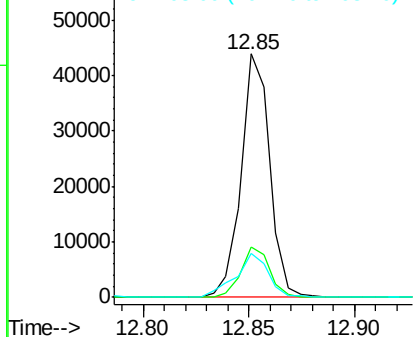
#78
Pvrene
Concen: 1.796 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 41044
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 18.1 15.0 22.6

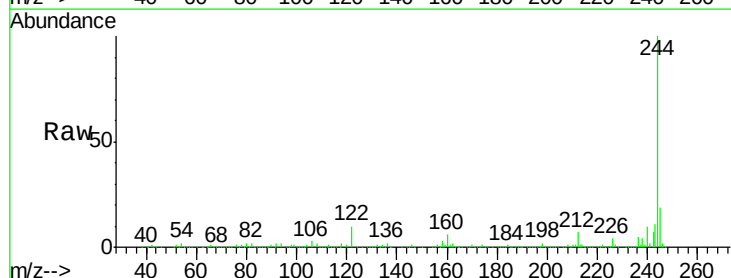


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

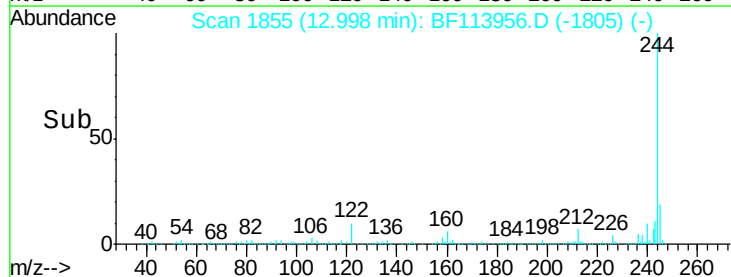
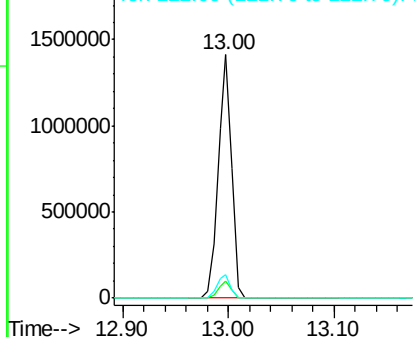


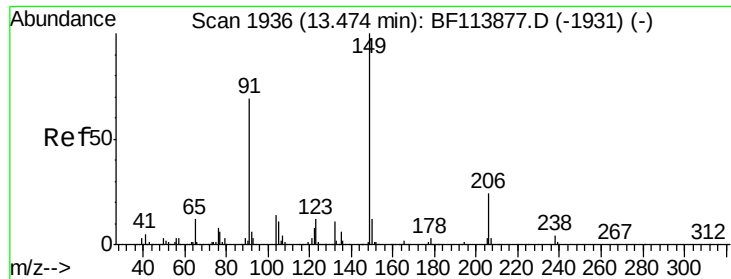
#79
Terphenyl-d14
Concen: 79.336 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Tgt Ion:244 Resp: 1264710
Ion Ratio Lower Upper
244 100
212 6.8 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

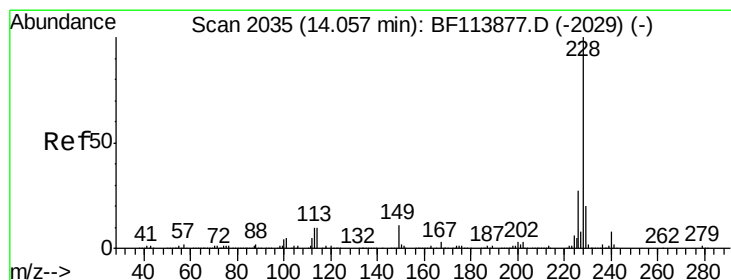
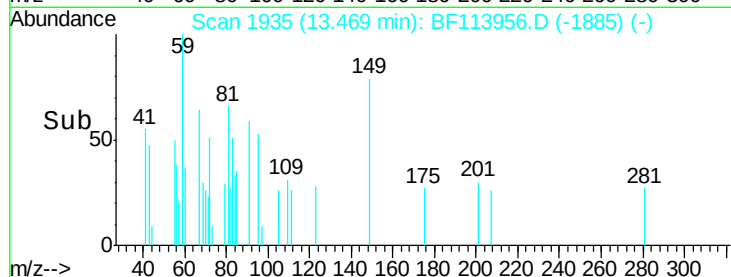
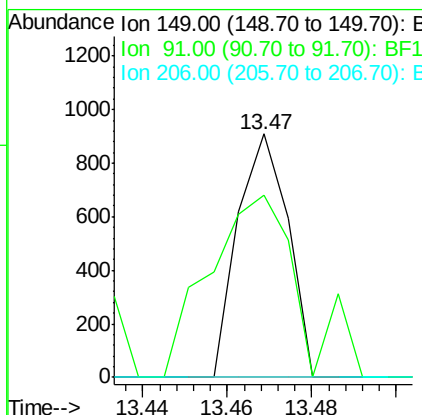
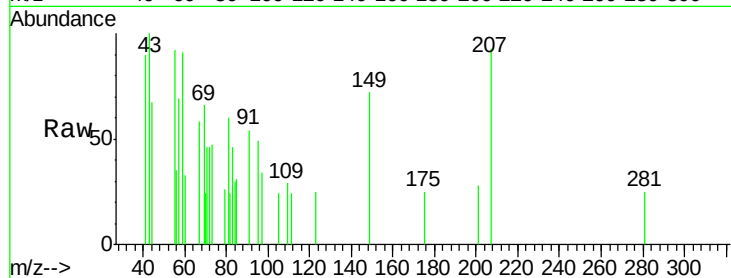




#80
Butylbenzylphthalate
Concen: 0.083 ng
RT: 13.47 min Scan# 1935
Delta R.T. -0.01 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

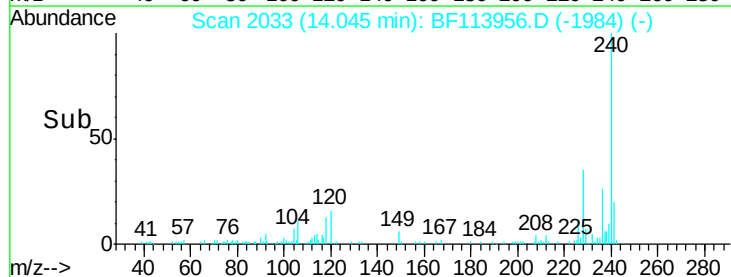
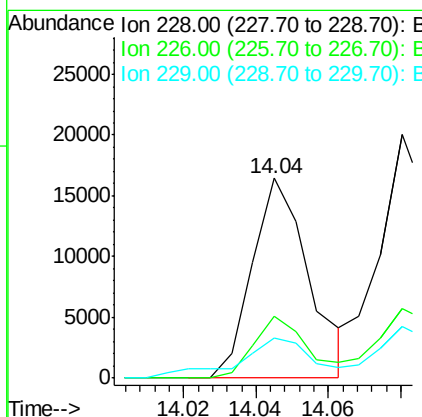
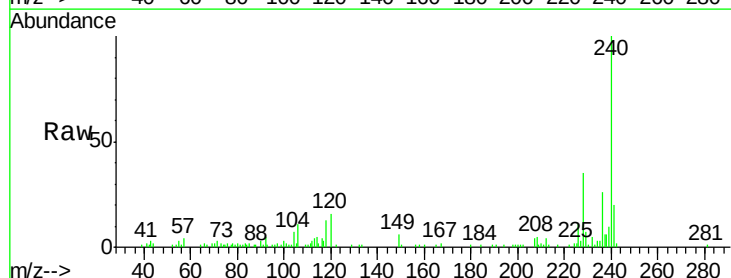
Instrument :
BNA_F
ClientSampleId :

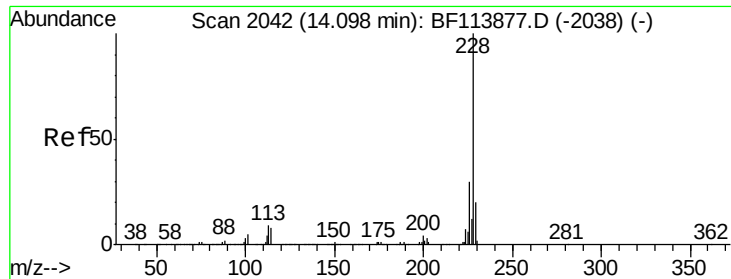
Tot Ion:	149	Resp:	748
Ion	Ratio	Lower	Upper
149	100		
91	74.9	56.3	84.5
206	0.0	19.0	28.6#



#81
Benzo(a)anthracene
Concen: 0.927 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Tgt Ion:	228	Resp:	17855
Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.2	33.2
229	19.9	16.0	24.0





#83

Chrysene

Concen: 1.065 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Instrument :

BNA_F

ClientSampleId :

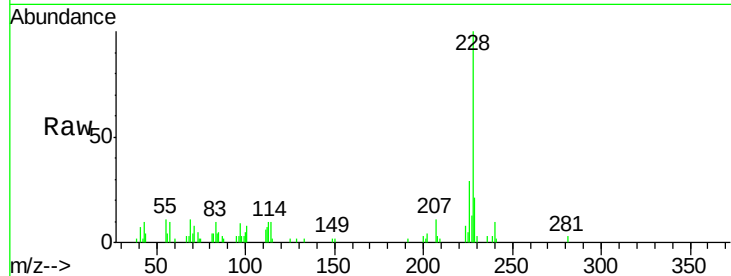
Tot Ion:228 Resp: 19968

Ion Ratio Lower Upper

228 100

226 28.5 25.2 37.8

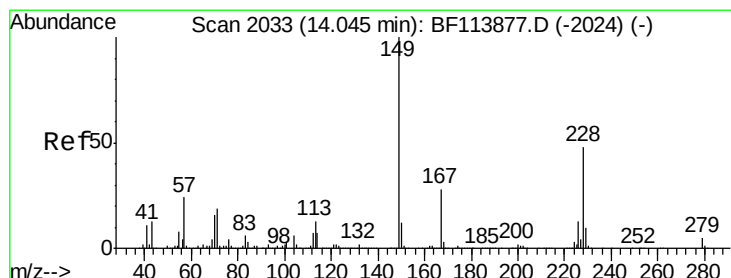
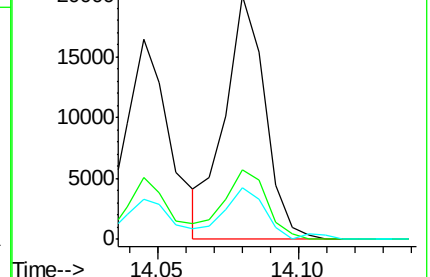
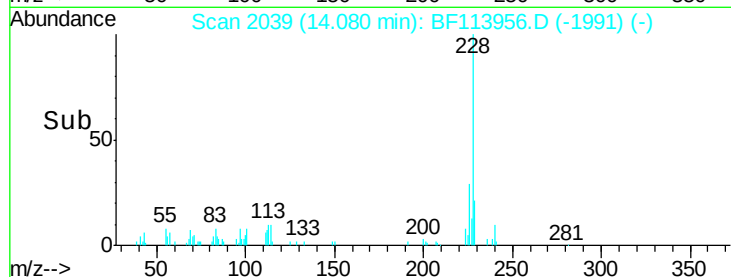
229 21.2 16.7 25.1



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: 0.431 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

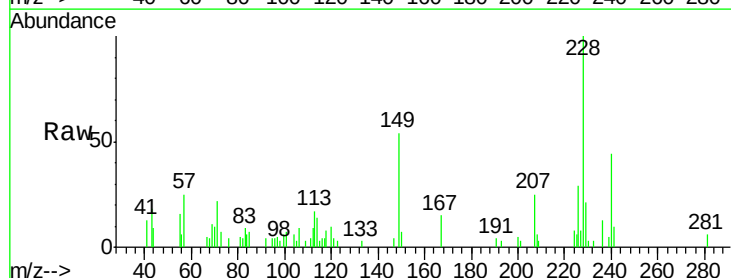
Tgt Ion:149 Resp: 4926

Ion Ratio Lower Upper

149 100

167 28.8 22.9 34.3

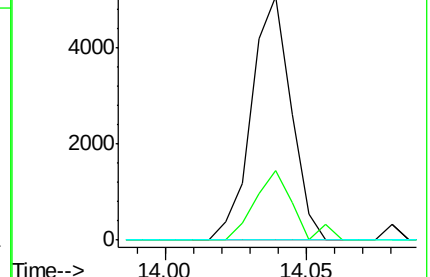
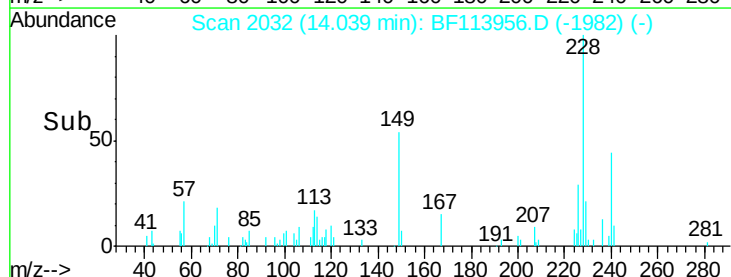
279 0.0 4.2 6.2#

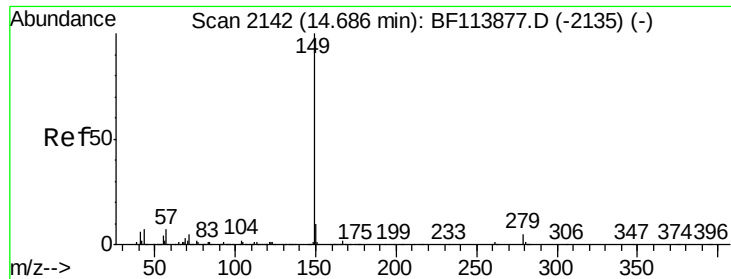


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

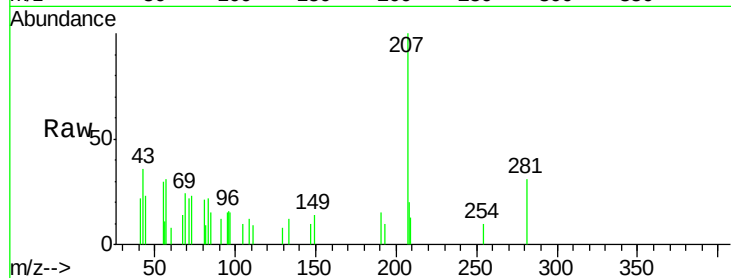




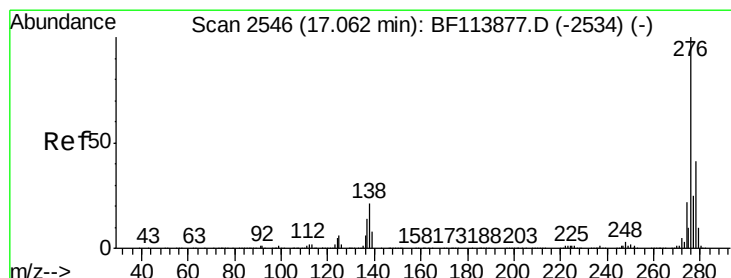
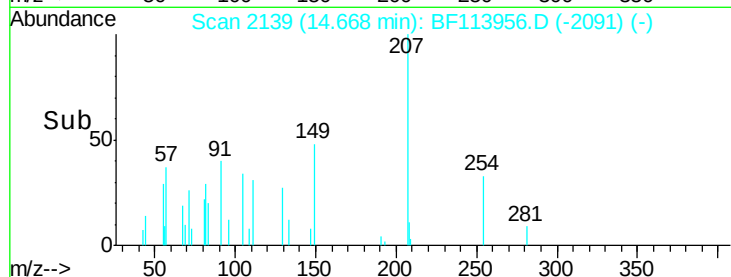
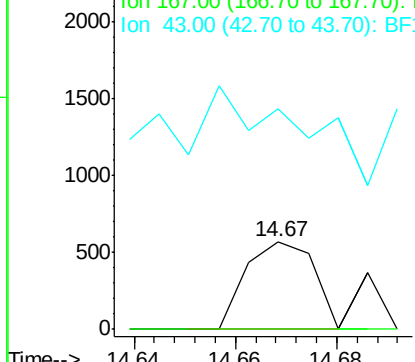
#85
Di-n-octyl phthalate
Concen: 0.030 ng
RT: 14.67 min Scan# 2139
Delta R.T. -0.02 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 529
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 149.9 6.6 10.0#

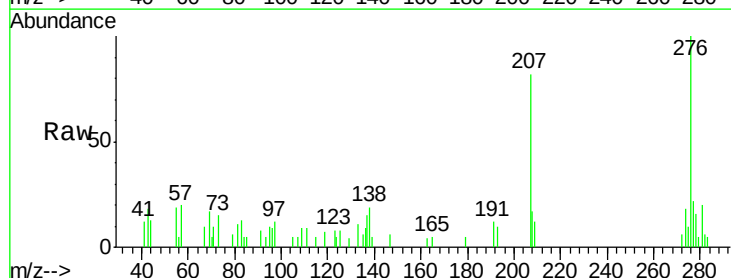


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

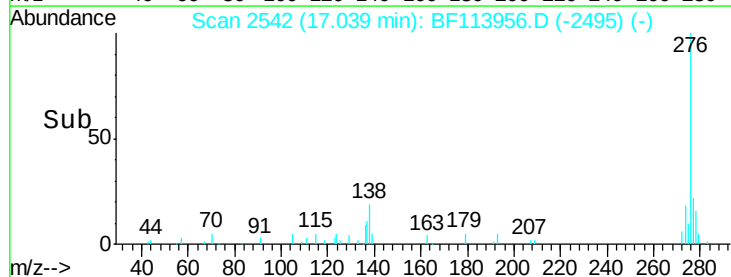
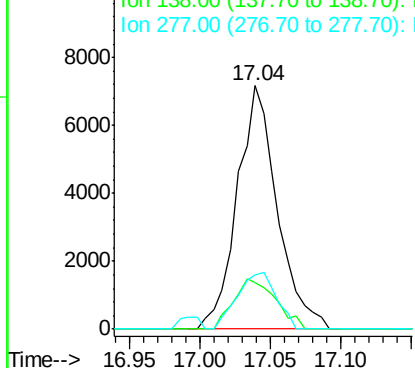


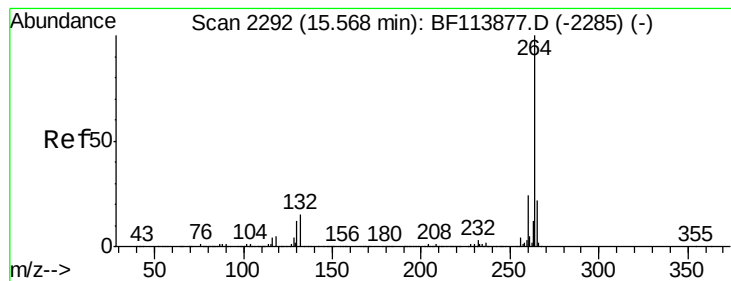
#86
Indeno(1,2,3-cd)pyrene
Concen: 0.801 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.02 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Tgt Ion:276 Resp: 14232
Ion Ratio Lower Upper
276 100
138 21.6 19.6 29.4
277 22.7 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: 15.56 min Scan# 2290

Delta R.T. -0.01 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Instrument :

BNA_F

ClientSampleId :

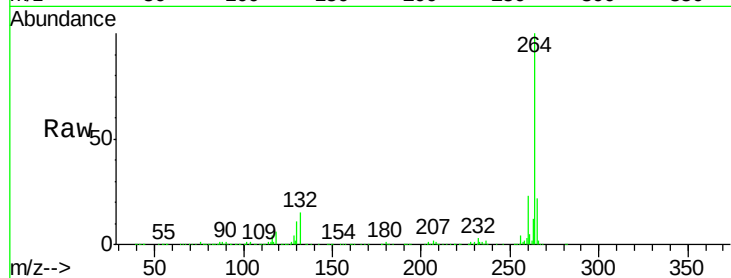
Tot Ion:264 Resp: 391504

Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

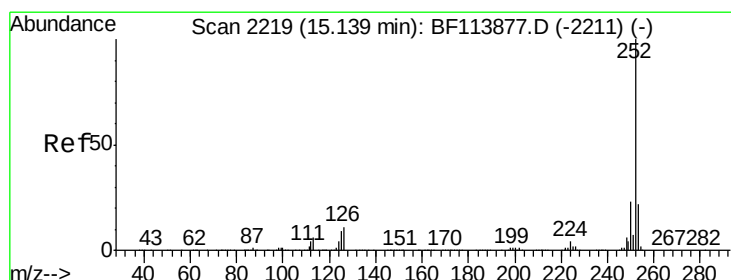
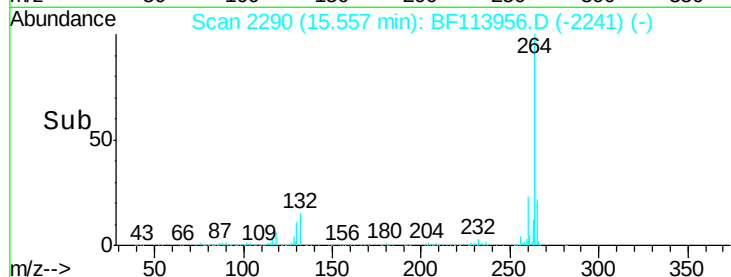
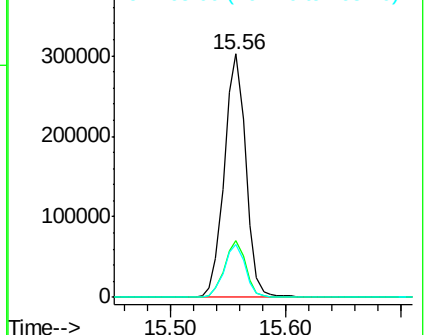
265 21.5 17.3 25.9



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: 1.409 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.02 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

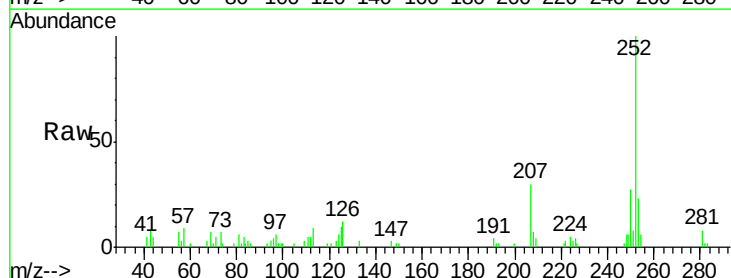
Tgt Ion:252 Resp: 34895

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

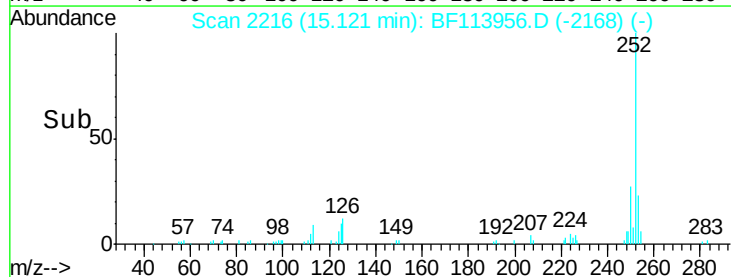
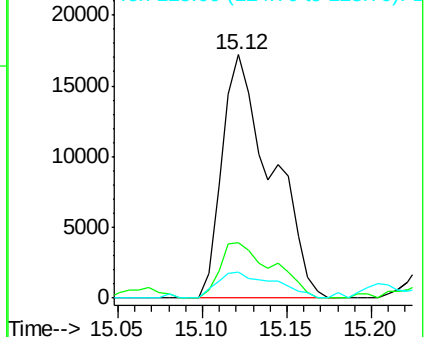
125 10.4 7.0 10.6

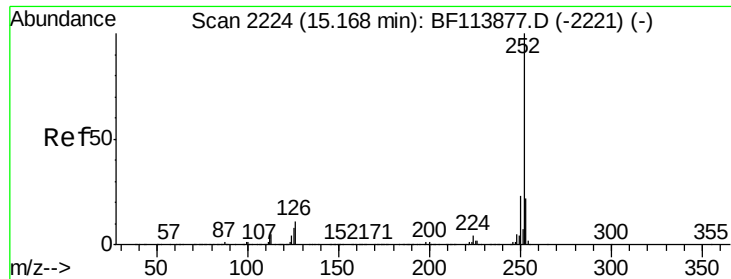


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

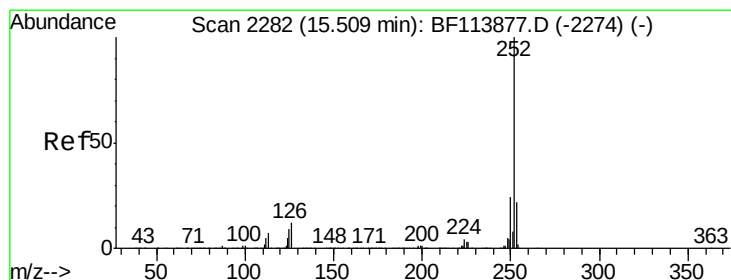
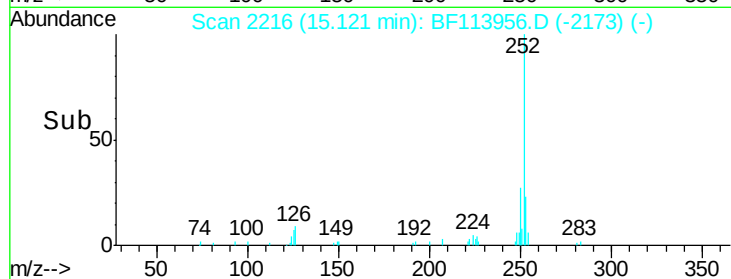
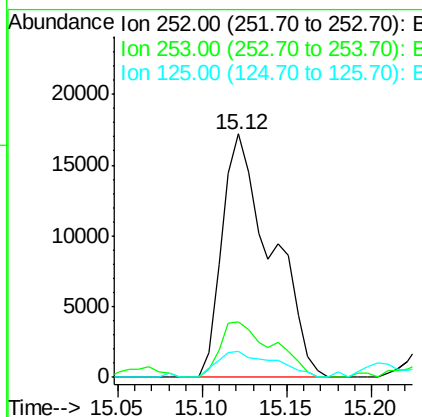
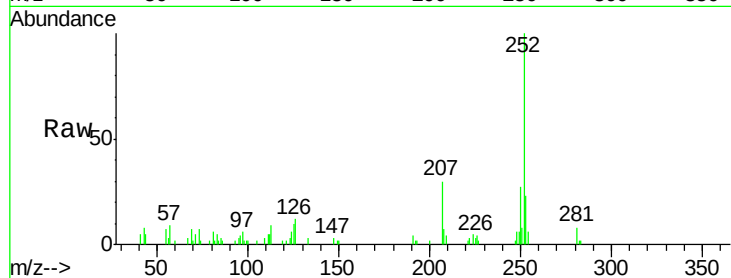




#89
Benzo(k)fluoranthene
Concen: 1.638 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.05 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

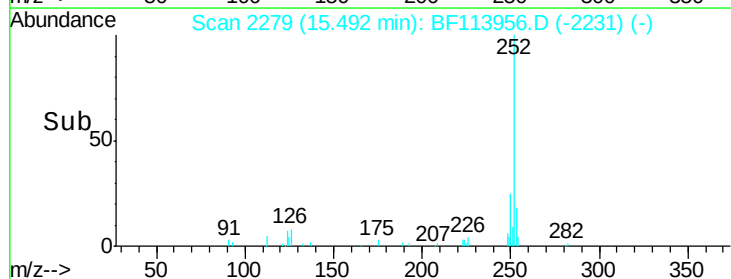
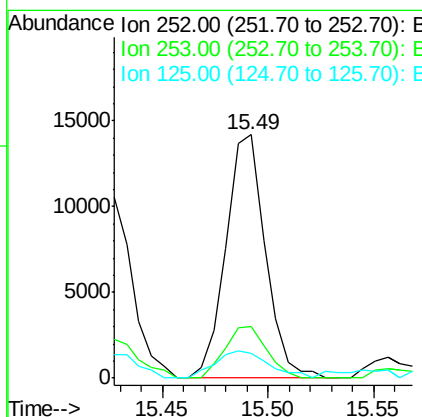
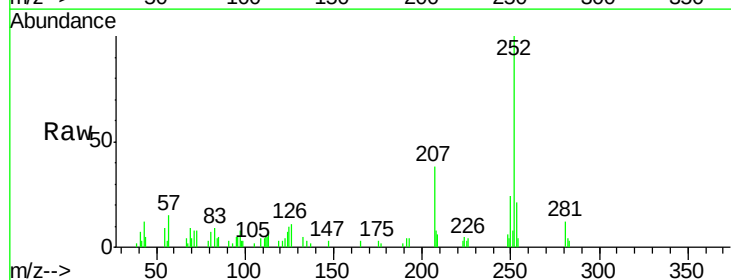
Instrument :
BNA_F
ClientSampleId :

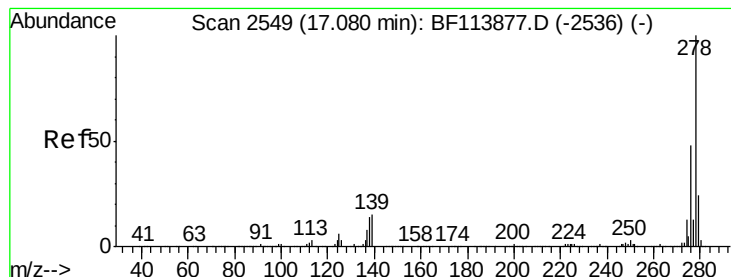
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	10.4	7.4	11.2



#90
Benzo(a)pyrene
Concen: 0.858 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF113956.D
Acq: 24 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.5	26.3
125	10.0	8.5	12.7





#91

Dibenzo(a,h)anthracene

Concen: 0.203 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.04 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

Instrument :

BNA_F

ClientSampleId :

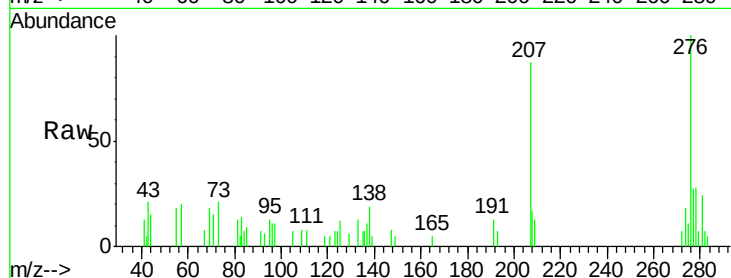
Tot Ion:278 Resp: 4080

Ion Ratio Lower Upper

278 100

139 19.0 11.6 17.4#

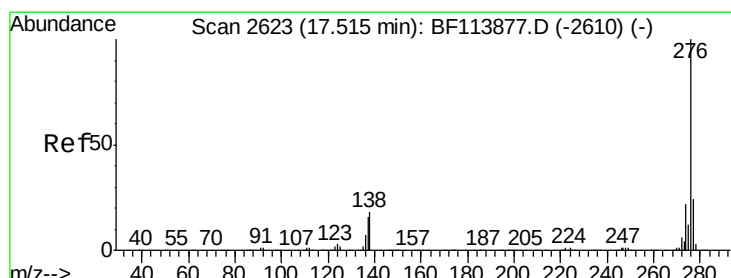
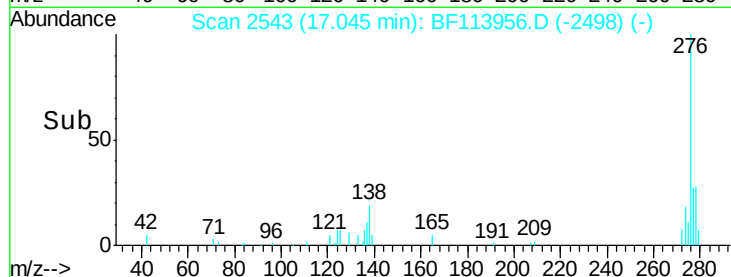
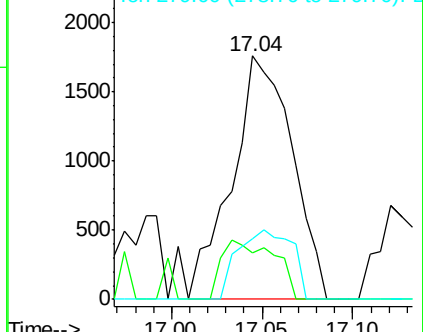
279 25.0 19.0 28.6



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



#92

Benzo(g,h,i)perylene

Concen: 0.617 ng

RT: 17.49 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BF113956.D

Acq: 24 Apr 2019 12:58

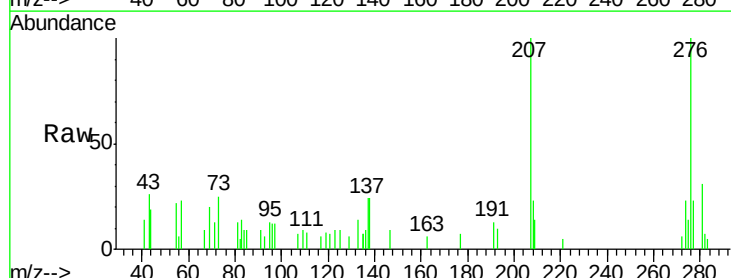
Tgt Ion:276 Resp: 12526

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.4

138 23.6 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

