

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
 Data File : BF113732.D
 Acq On : 11 Apr 2019 20:56
 Operator : JU/SJ
 Sample : K2345-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 01:03:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	120880	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	450413	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	213563	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	424313	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	322350	20.00	ng	-0.02
87) Perylene-d12	15.23	264	308153	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	984542	138.89	ng	0.00
7) Phenol-d6	6.33	99	1287969	147.42	ng	-0.01
23) Nitrobenzene-d5	7.24	82	766122	99.63	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	356997	139.16	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1370127	103.28	ng	-0.02
79) Terphenyl-d14	12.77	244	1423519	89.91	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.30	88	109	0.032	ng	# 1
6) Aniline	6.34	93	163	0.015	ng	# 1
8) 2-Chlorophenol	6.46	128	110	0.013	ng	# 1
9) Benzaldehyde	6.33	77	1718	0.331	ng	# 1
10) Phenol	6.34	94	20611	2.066	ng	89
11) bis(2-Chloroethyl)ether	6.45	93	1308	0.169	ng	# 1
15) Benzyl Alcohol	6.83	79	11102	1.879	ng	# 45
18) Hexachloroethane	6.92	117	107	0.033	ng	# 1
19) n-Nitroso-di-n-propylamine	7.24	70	98330	18.251	ng	# 78
22) Acetophenone	7.12	105	114	0.012	ng	# 51
24) Nitrobenzene	7.24	77	1800	0.227	ng	# 34
25) Isophorone	7.24	82	766328	51.734	ng	# 64
31) Naphthalene	7.98	128	1617	0.074	ng	# 68
37) 2-Methylnaphthalene	8.69	142	704	0.049	ng	# 76
38) 1-Methylnaphthalene	8.78	142	467	0.034	ng	# 97
46) 1,1'-Biphenyl	9.14	154	2742	0.156	ng	94
47) 2-Chloronaphthalene	9.43	162	764	0.057	ng	# 1
48) 2-Nitroaniline	9.43	65	1246	0.305	ng	# 1
49) Acenaphthylene	9.57	152	256	0.012	ng	# 60
50) Dimethylphthalate	9.43	163	165117	10.489	ng	99
51) 2,6-Dinitrotoluene	9.43	165	1558	0.449	ng	# 15
52) Acenaphthene	9.73	154	292	0.024	ng	# 58
55) Dibenzofuran	9.93	168	2251	0.124	ng	# 87
56) 4-Nitrophenol	9.93	139	556	0.227	ng	# 7
57) 2,4-Dinitrotoluene	9.70	165	26630	6.345	ng	# 23
58) Fluorene	10.26	166	2905	0.202	ng	# 87
60) Diethylphthalate	10.13	149	605	0.040	ng	# 59
63) Azobenzene	10.49	77	1407	0.098	ng	# 6
65) 4,6-Dinitro-2-methylphenol	10.49	198	533	0.239	ng	# 1
66) n-Nitrosodiphenylamine	10.49	169	9578	0.735	ng	# 41
67) 4-Bromophenyl-phenylether	10.49	248	20554	4.319	ng	# 1
71) Phenanthrene	11.21	178	19249	0.913	ng	97
72) Anthracene	11.21	178	19249	0.897	ng	98
73) Carbazole	11.46	167	1897	0.095	ng	# 59

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

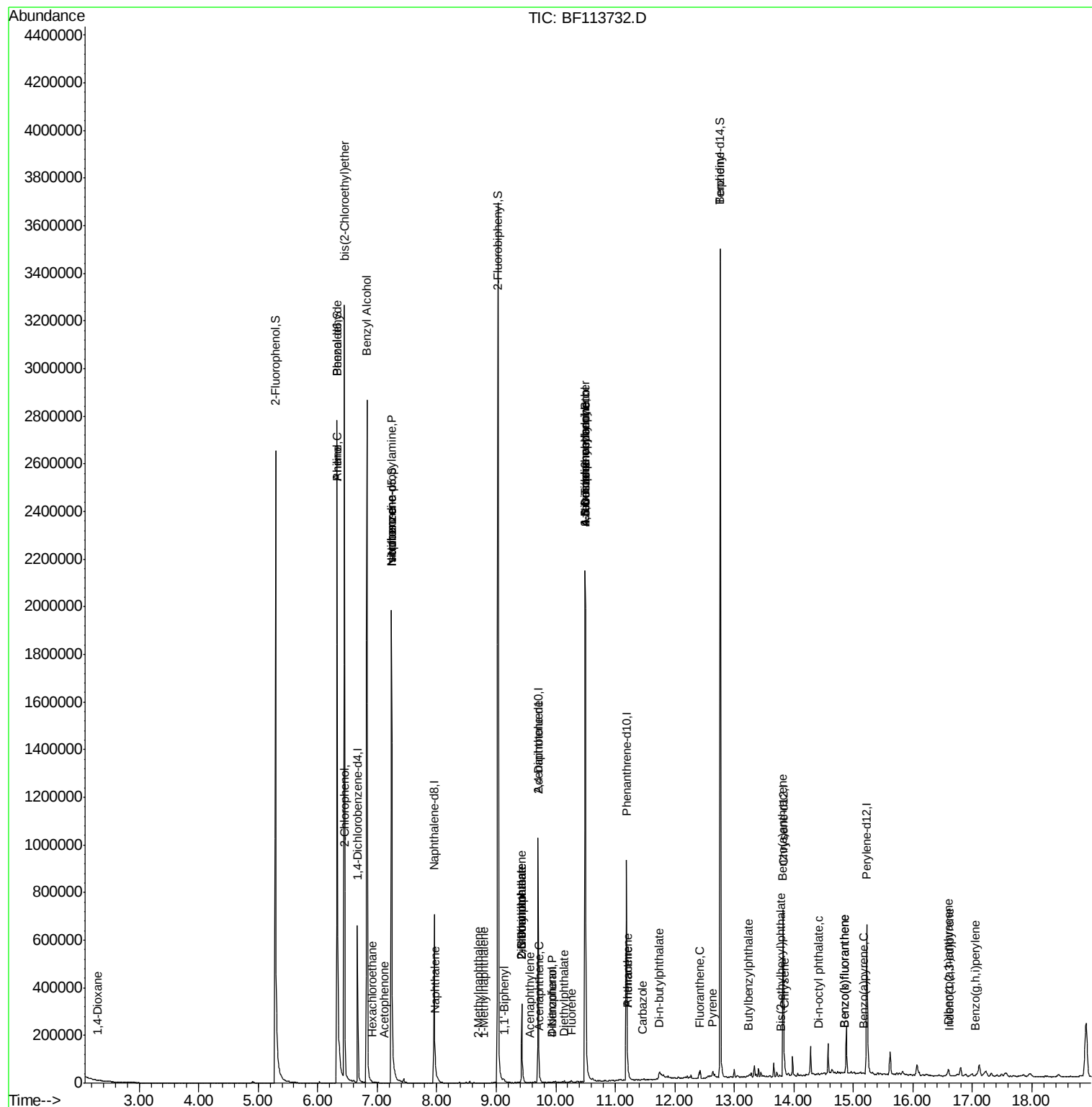
74) Di-n-butylphthalate	11.75	149	3688	0.155	nq	# 86
75) Fluoranthene	12.41	202	11829	0.524	nq	96
77) Benzidine	12.76	184	15988	1.334	nq	# 96
78) Pyrene	12.63	202	10571	0.431	nq	96
80) Butylbenzylphthalate	13.23	149	617	0.062	nq	# 47
81) Benzo(a)anthracene	13.81	228	4625	0.249	nq	# 91
83) Chrysene	13.84	228	4709	0.250	nq	# 89
84) Bis(2-ethylhexyl)phthalate	13.79	149	1943	0.161	nq	# 92
85) Di-n-octyl phthalate	14.40	149	1521	0.078	nq	# 1
86) Indeno(1,2,3-cd)pyrene	16.63	276	1799	0.103	nq	# 51
88) Benzo(b)fluoranthene	14.85	252	5935	0.315	nq	# 76
89) Benzo(k)fluoranthene	14.85	252	5935	0.351	nq	# 75
90) Benzo(a)pyrene	15.17	252	3059	0.183	nq	# 85
91) Dibenzo(a,h)anthracene	16.60	278	237	0.015	nq	# 56
92) Benzo(a,h,i)perylene	17.04	276	1859	0.116	nq	# 54

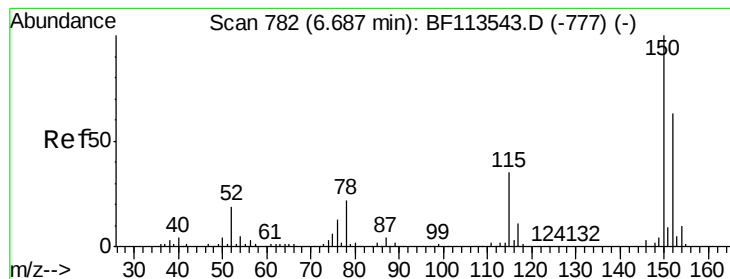
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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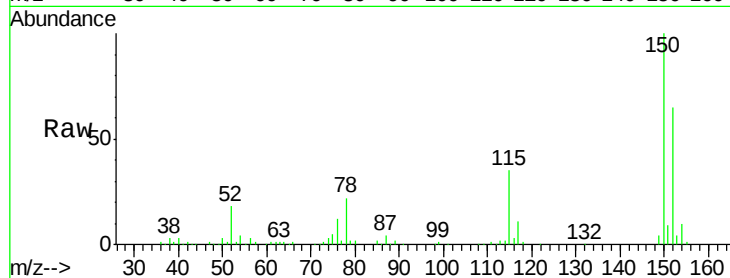


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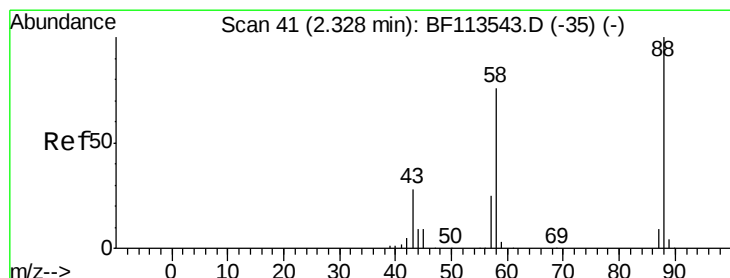
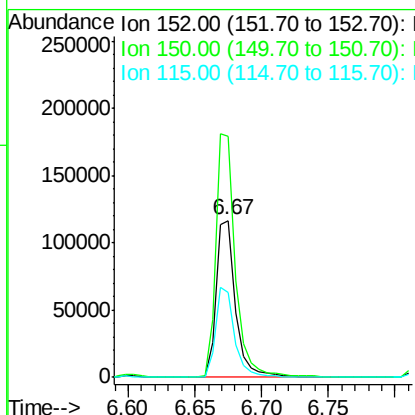
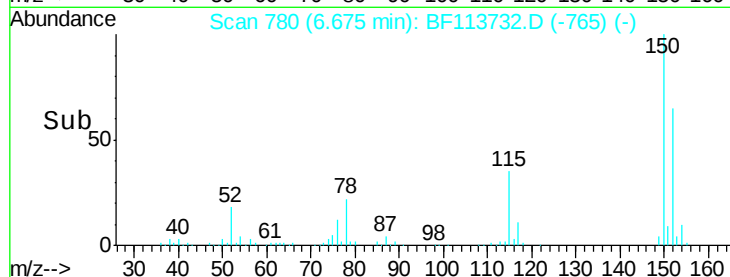
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 120880
Ion Ratio Lower Upper
152 100
150 153.8 124.7 187.1
115 54.1 46.0 69.0



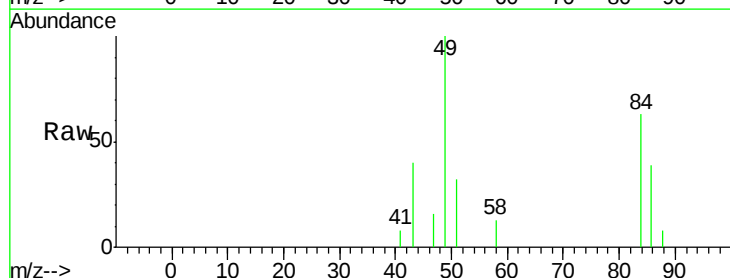
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



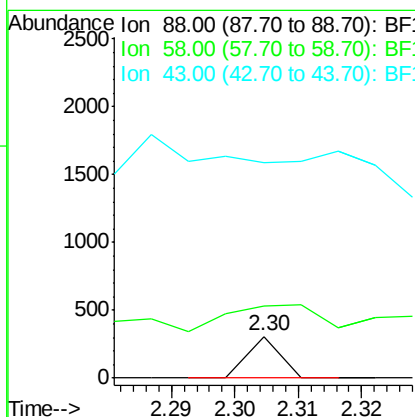
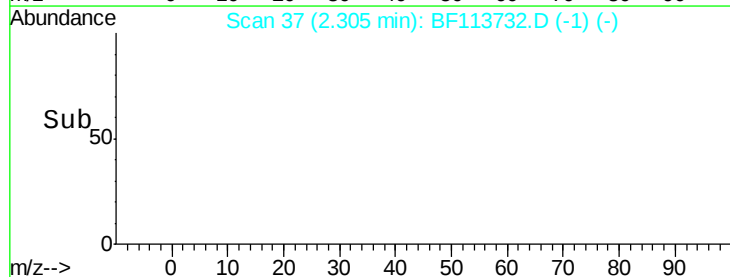
#2

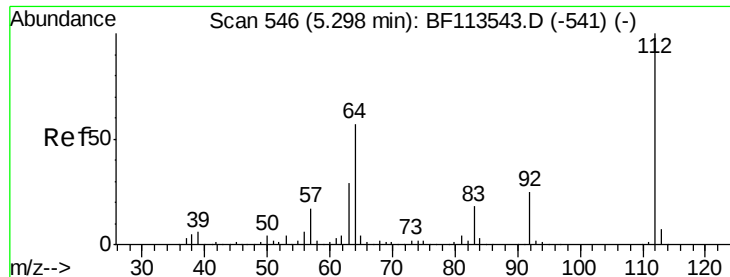
1,4-Dioxane
Concen: 0.032 ng
RT: 2.30 min Scan# 37
Delta R.T. -0.02 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

Tgt Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
58 911.0 61.9 92.9#
43 0.0 24.2 36.4#



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: 138.887 ng

RT: 5.29 min Scan# 545

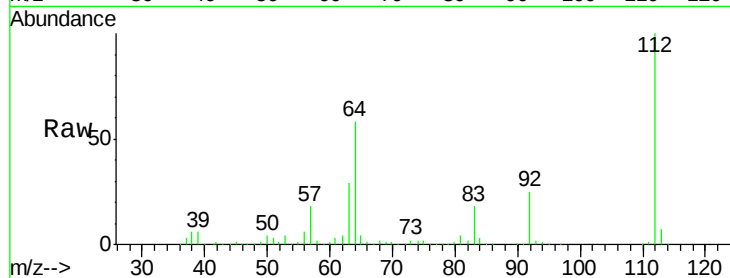
Delta R.T. -0.01 min

Lab File: BF113732.D

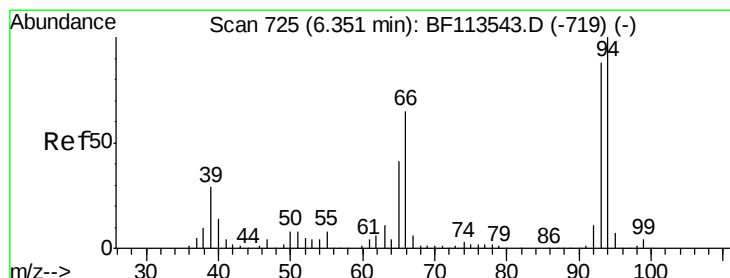
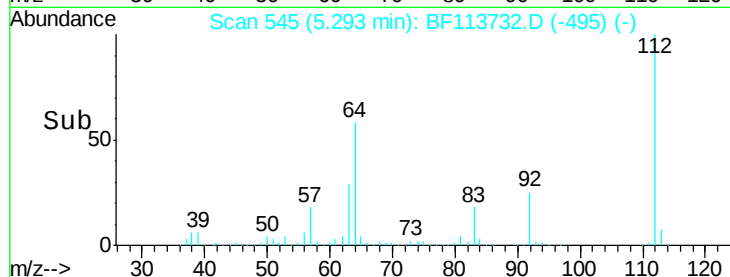
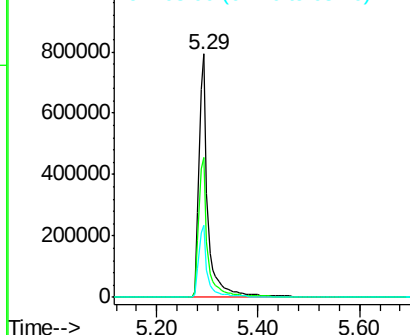
Acq: 11 Apr 2019 20:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:	112	Resp:	984542
Ion	Ratio	Lower	Upper
112	100		
64	57.7	49.2	73.8
63	29.4	24.9	37.3



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



#6

Aniline

Concen: 0.015 ng

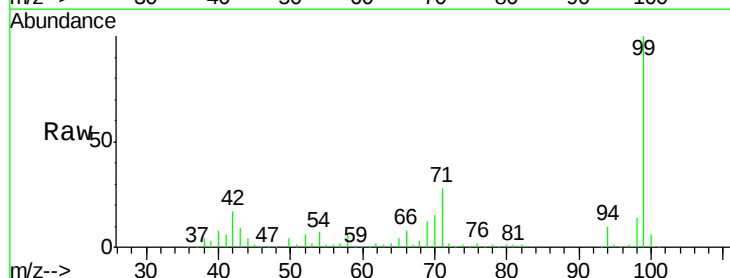
RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

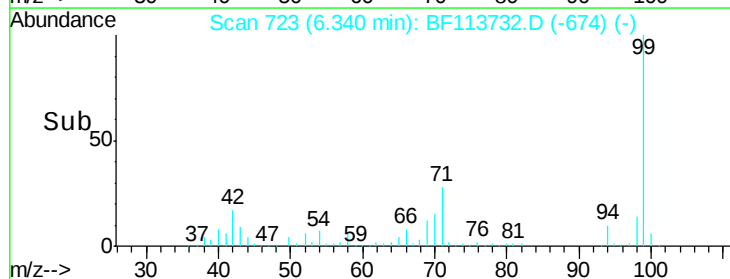
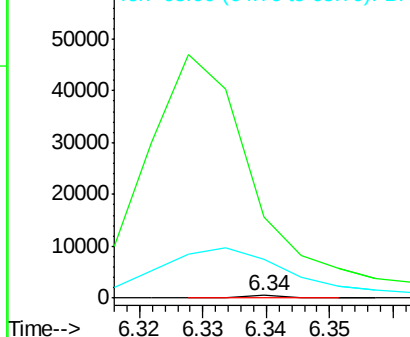
Lab File: BF113732.D

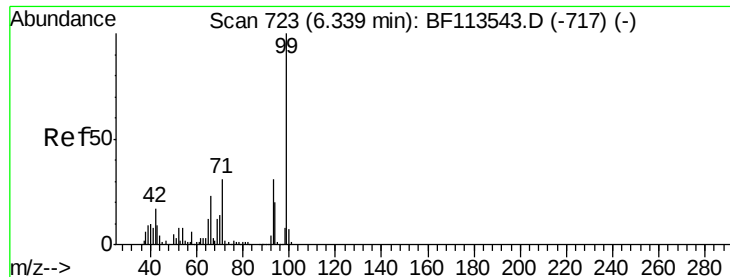
Acq: 11 Apr 2019 20:56

Tgt Ion:	93	Resp:	163
Ion	Ratio	Lower	Upper
93	100		
66	3375.2	62.1	93.1#
65	1623.5	38.7	58.1#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 147.416 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampleId :

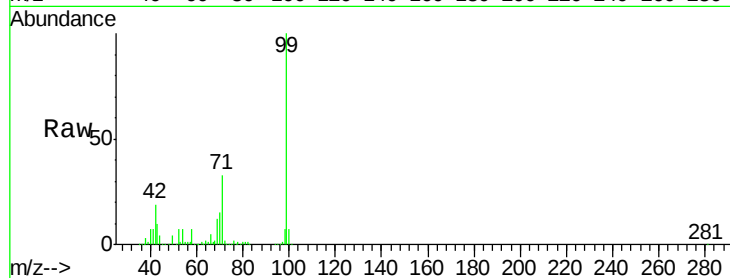
Tot Ion: 99 Resp: 1287969

Ion Ratio Lower Upper

99 100

42 18.9 14.8 22.2

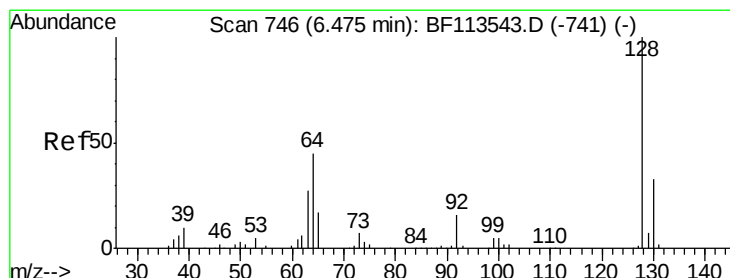
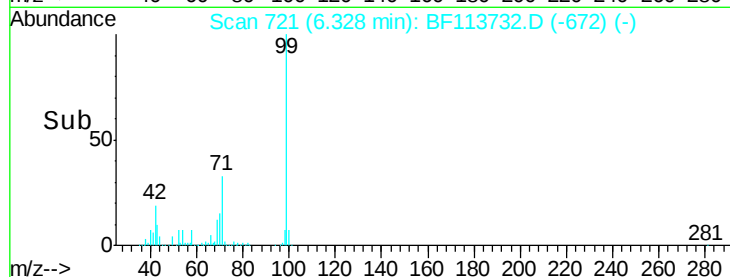
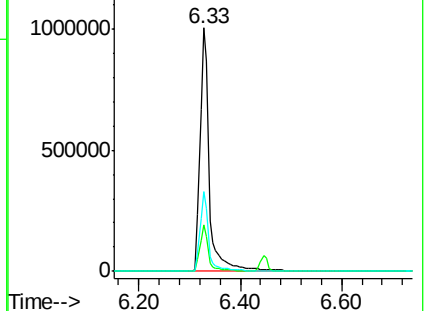
71 32.5 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 0.013 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

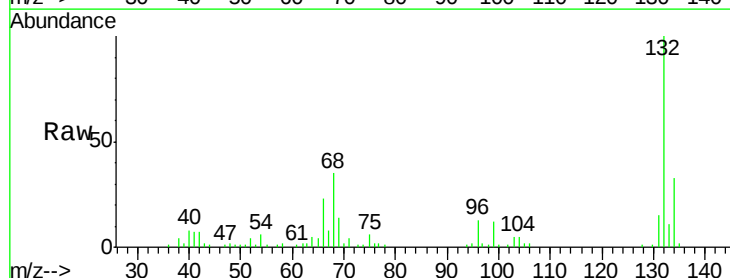
Tgt Ion: 128 Resp: 110

Ion Ratio Lower Upper

128 100

130 143.3 12.6 52.6#

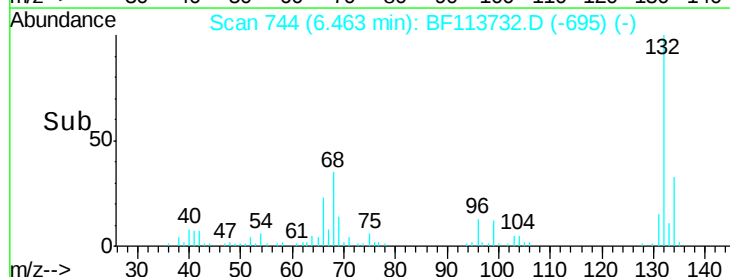
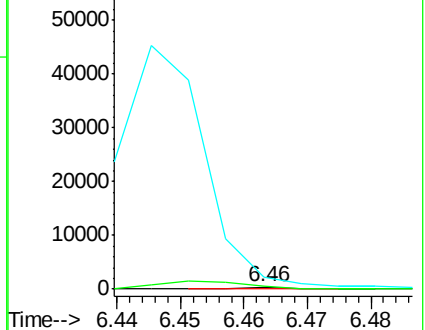
64 706.7 29.4 69.4#

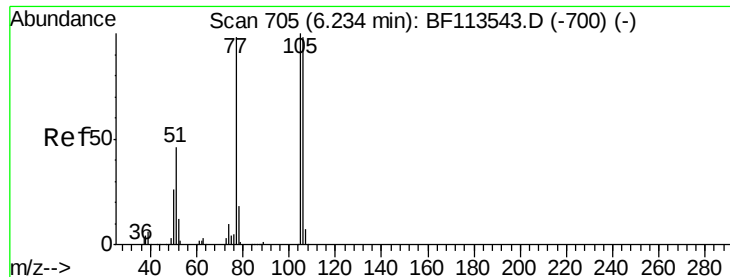


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 0.331 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.09 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampled :

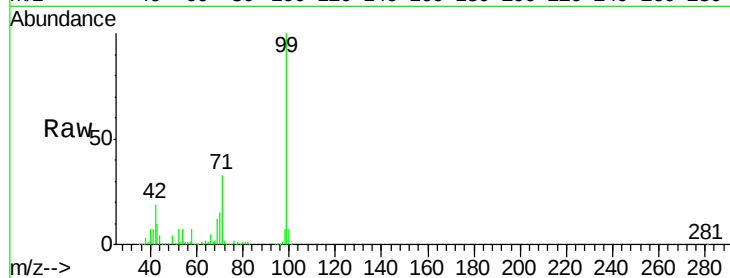
Tot Ion: 77 Resp: 1718

Ion Ratio Lower Upper

77 100

105 0.0 80.9 120.9#

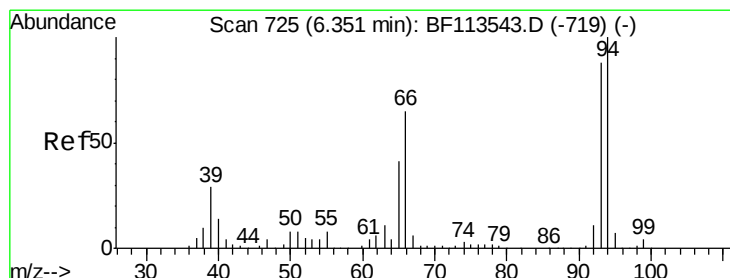
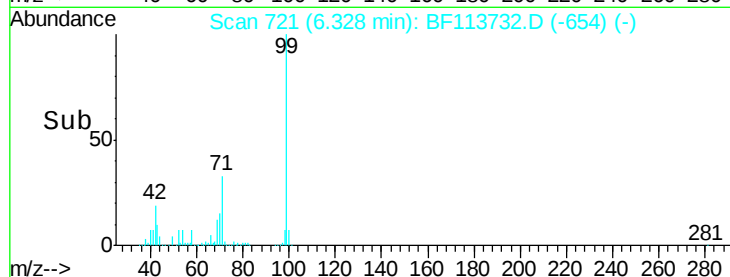
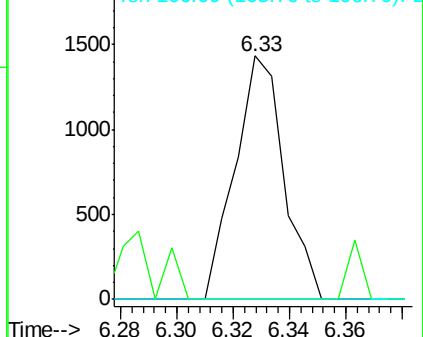
106 0.0 77.8 117.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 2.066 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

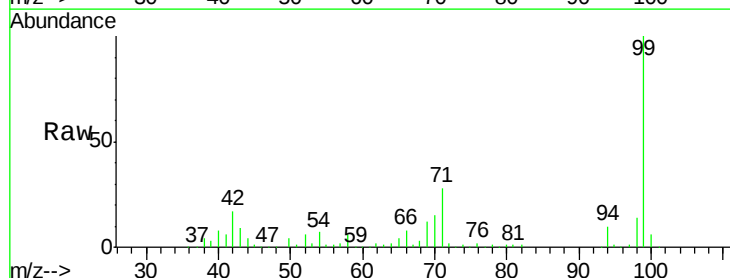
Tgt Ion: 94 Resp: 20611

Ion Ratio Lower Upper

94 100

65 37.3 21.4 61.4

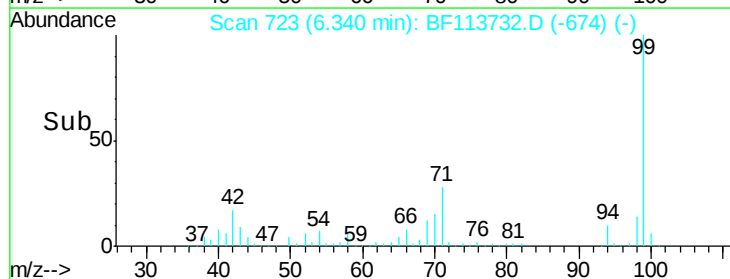
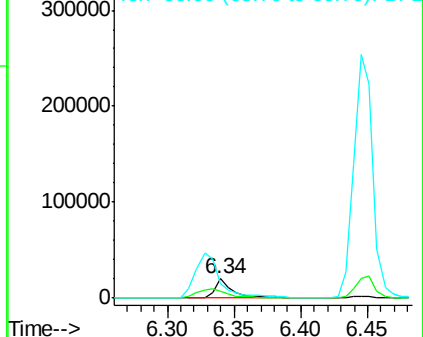
66 77.5 46.4 86.4

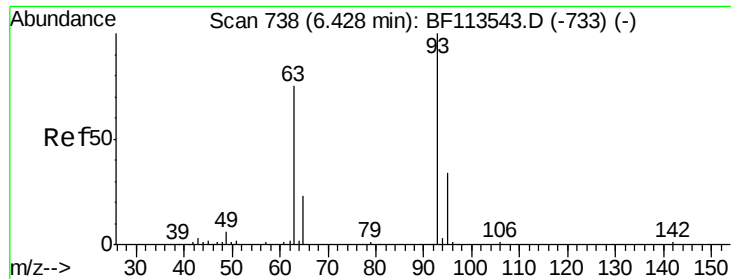


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

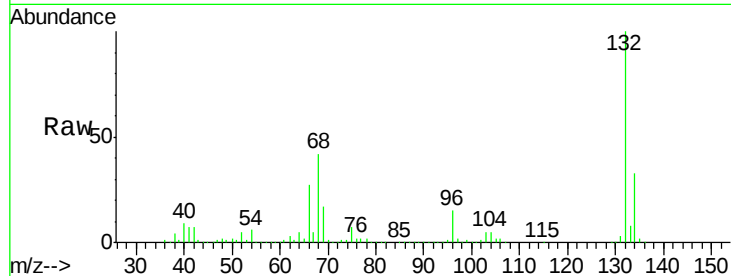




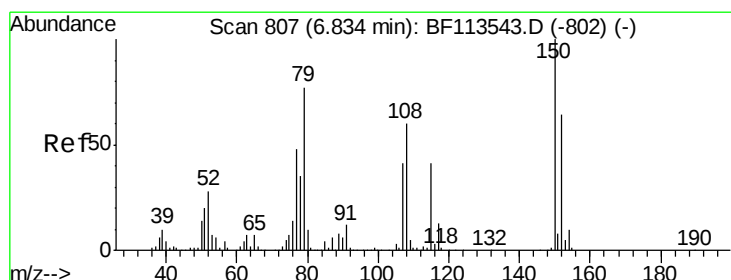
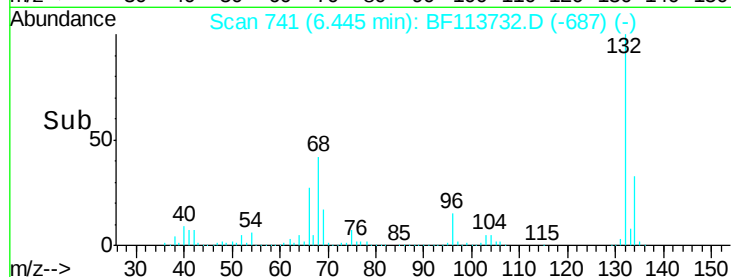
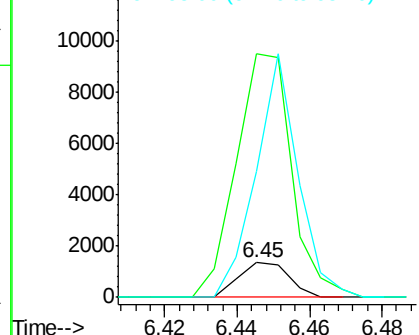
#11
bis(2-Chloroethyl)ether
Concen: 0.169 ng
RT: 6.45 min Scan# 741
Delta R.T. 0.02 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 1308
Ion Ratio Lower Upper
93 100
63 699.6 56.1 96.1#
95 362.3 12.8 52.8#

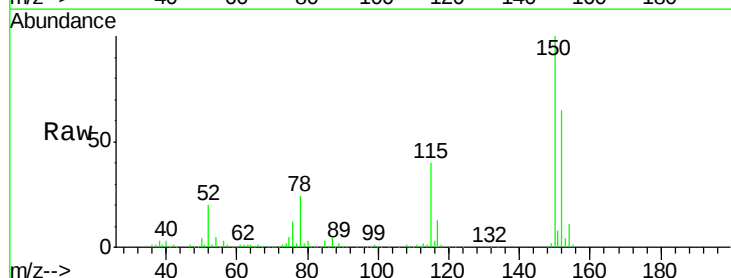


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

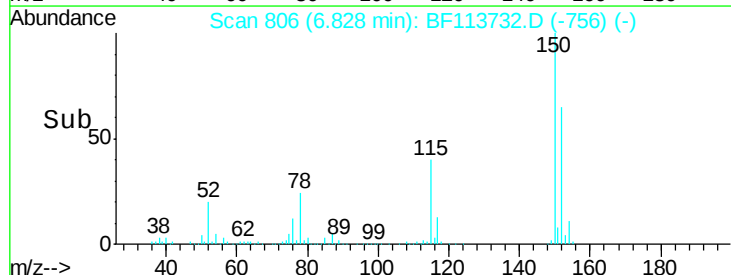
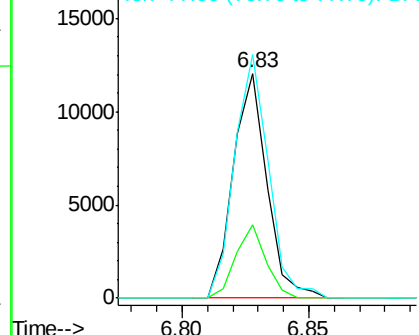


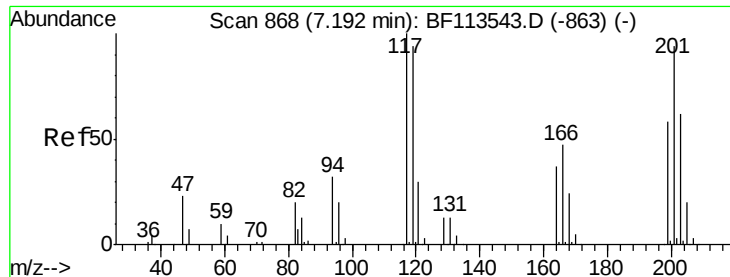
#15
Benzyl Alcohol
Concen: 1.879 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

Tgt Ion: 79 Resp: 11102
Ion Ratio Lower Upper
79 100
108 32.4 62.0 93.0#
77 108.3 49.9 74.9#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

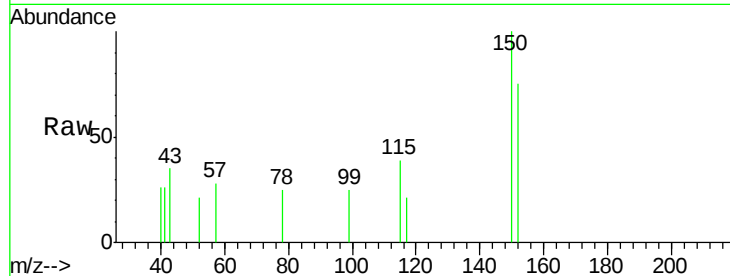




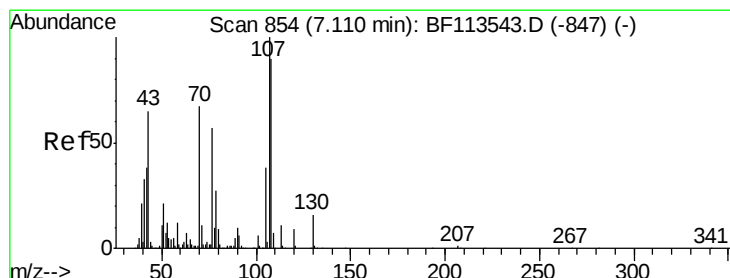
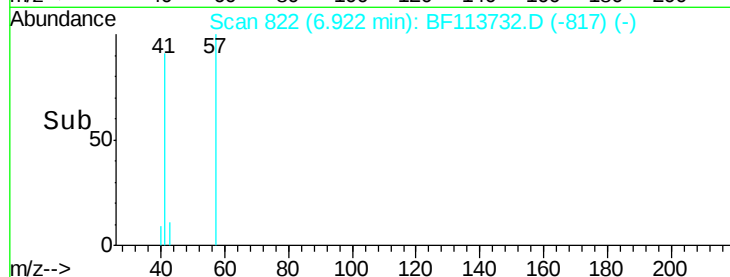
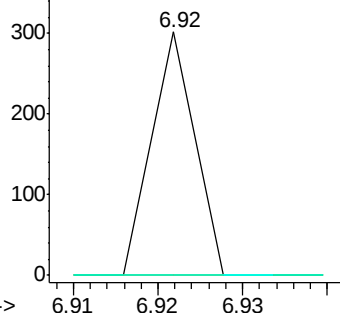
#18
Hexachloroethane
Concen: 0.033 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.27 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 107
Ion Ratio Lower Upper
117 100
119 0.0 76.9 115.3#
201 0.0 78.7 118.1#

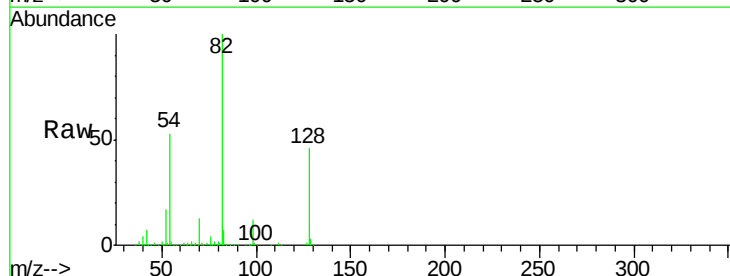


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

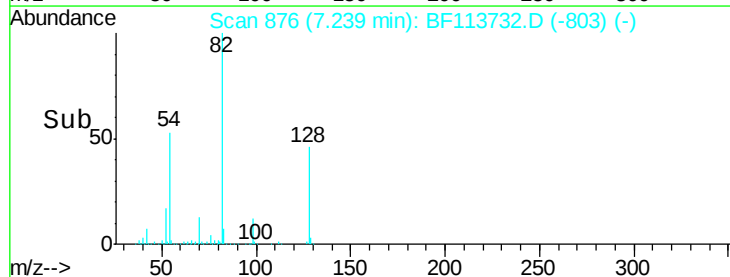
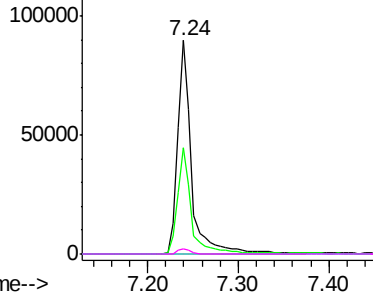


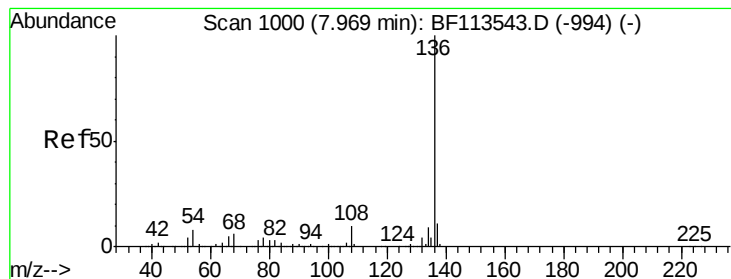
#19
n-Nitroso-di-n-propylamine
Concen: 18.251 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.13 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

Tgt Ion: 70 Resp: 98330
Ion Ratio Lower Upper
70 100
42 49.8 48.4 72.6
101 0.0 7.8 11.8#
130 2.5 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 450413

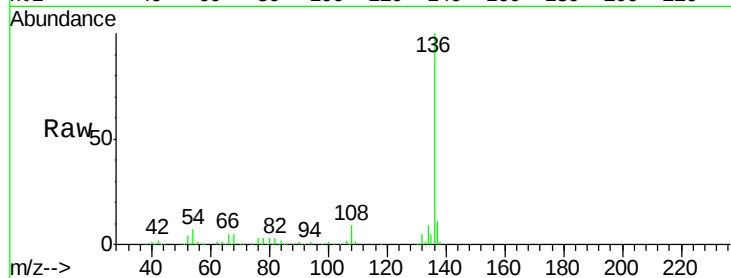
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.4 7.0 10.6

68 5.4 4.8 7.2

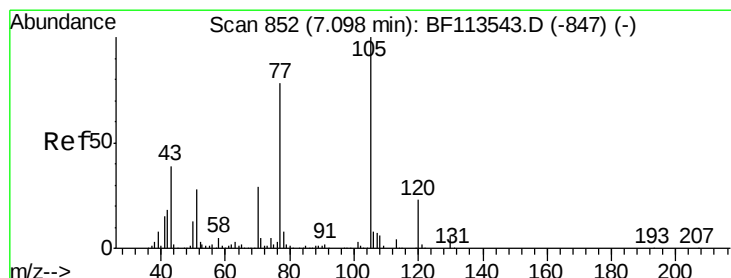
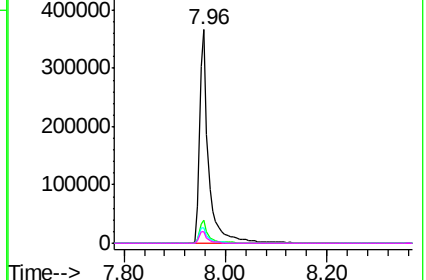
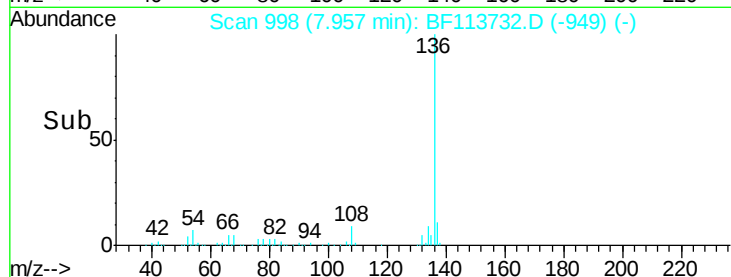


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 0.012 ng

RT: 7.12 min Scan# 856

Delta R.T. 0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Tgt Ion:105 Resp: 114

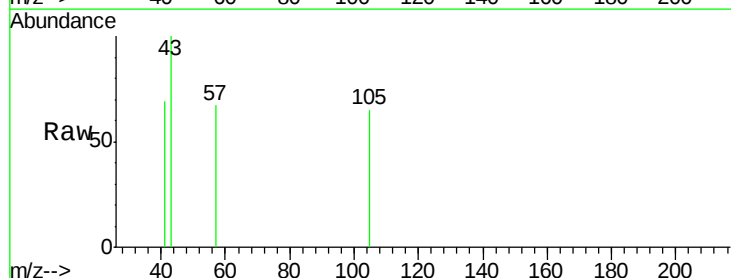
Ion Ratio Lower Upper

105 100

71 0.0 3.3 4.9#

51 0.0 24.2 36.2#

120 0.0 18.1 27.1#

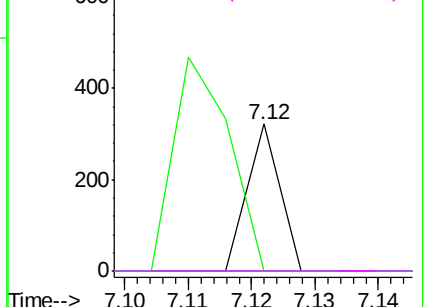
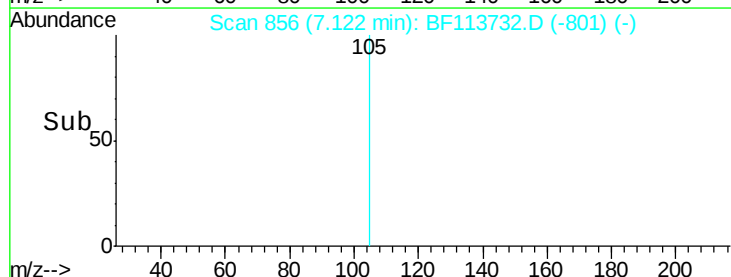


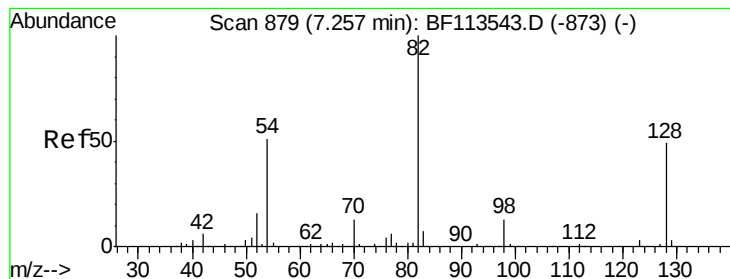
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 99.633 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampled :

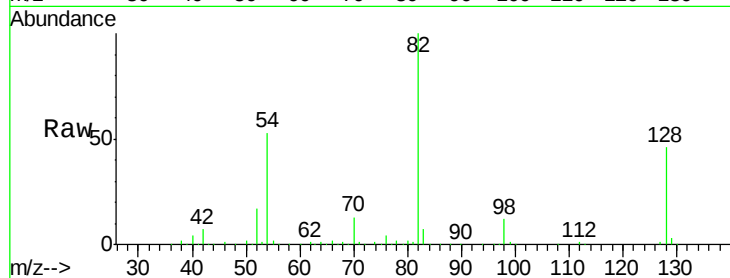
Tot Ion: 82 Resp: 766122

Ion Ratio Lower Upper

82 100

128 45.7 36.5 54.7

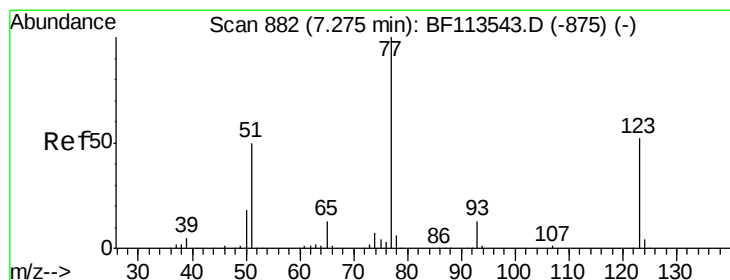
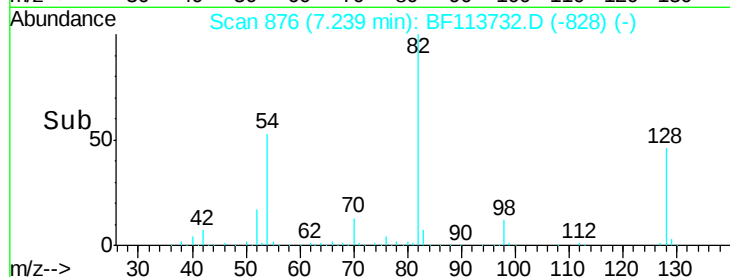
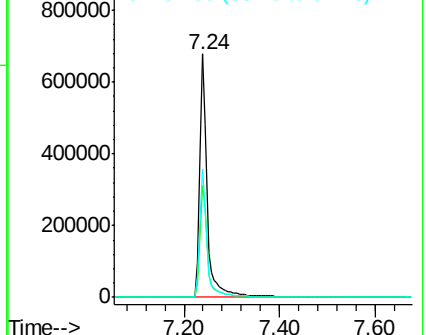
54 52.9 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 0.227 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.04 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

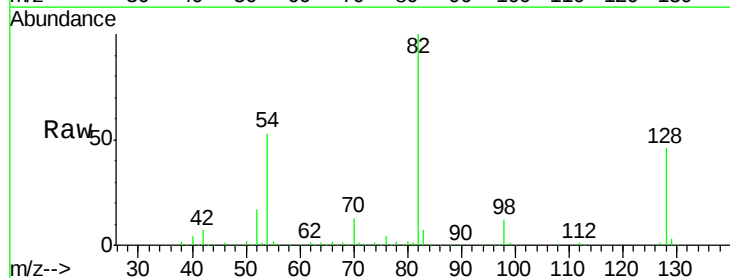
Tgt Ion: 77 Resp: 1800

Ion Ratio Lower Upper

77 100

123 0.0 40.8 61.2#

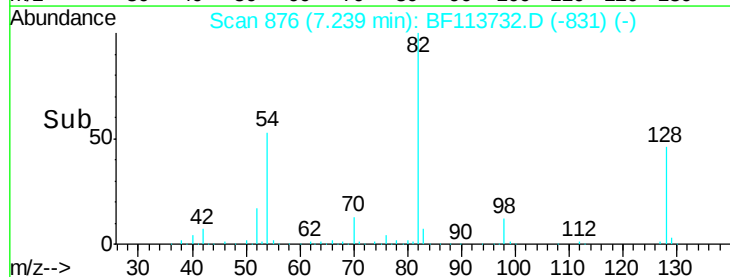
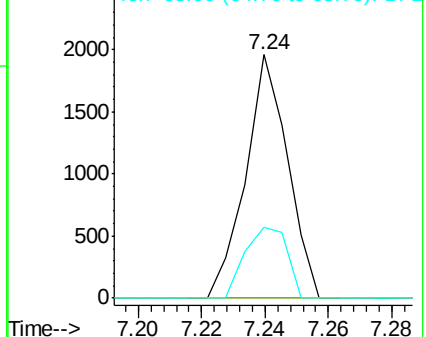
65 29.3 10.6 16.0#

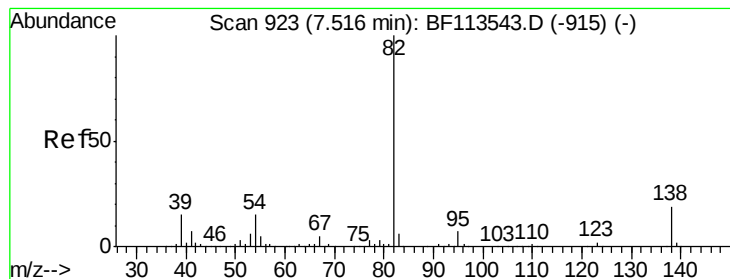


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 51.734 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampled :

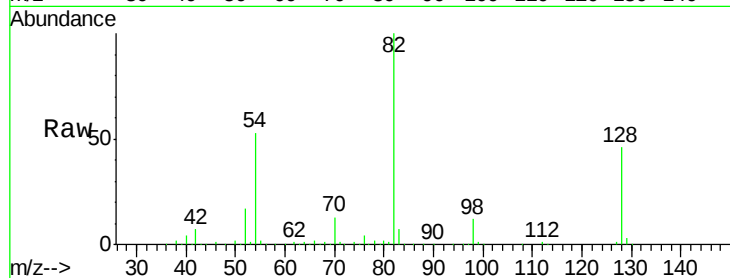
Tot Ion: 82 Resp: 766328

Ion Ratio Lower Upper

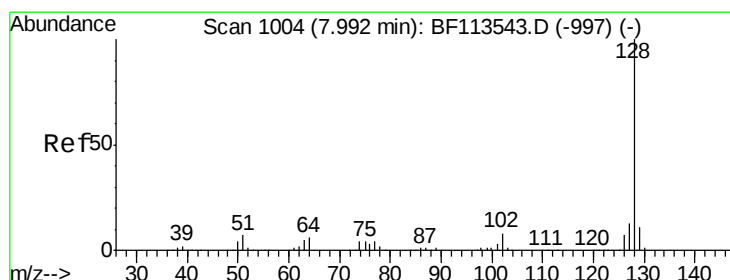
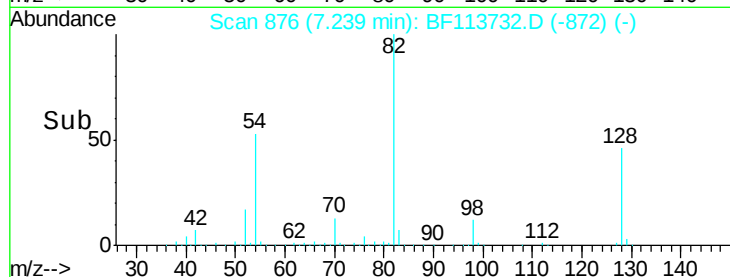
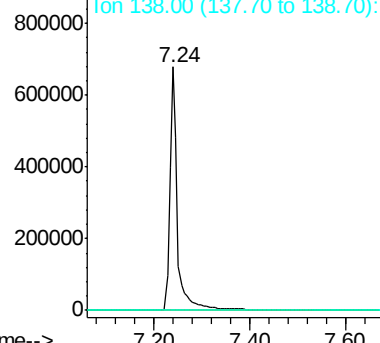
82 100

95 0.0 5.5 8.3#

138 0.0 15.2 22.8#



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



#31

Naphthalene

Concen: 0.074 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

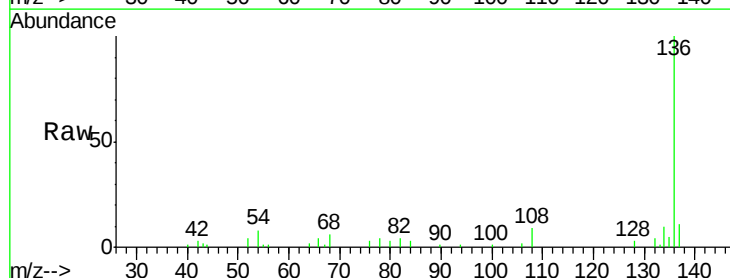
Tgt Ion: 128 Resp: 1617

Ion Ratio Lower Upper

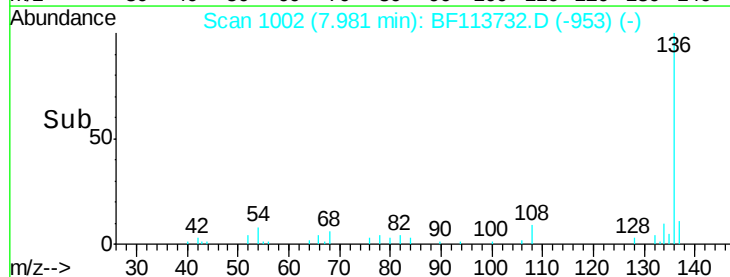
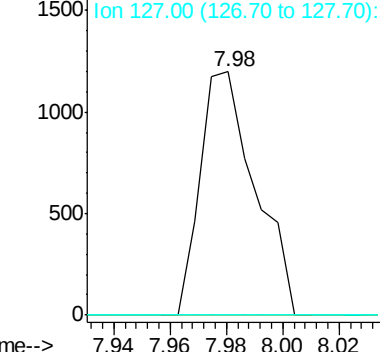
128 100

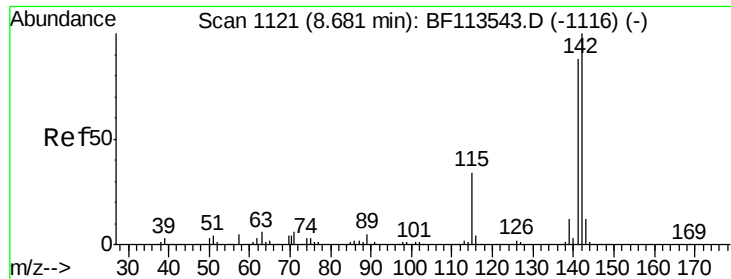
129 0.0 9.3 13.9#

127 0.0 10.9 16.3#



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

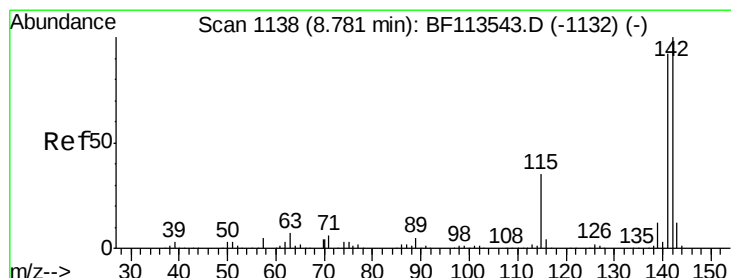
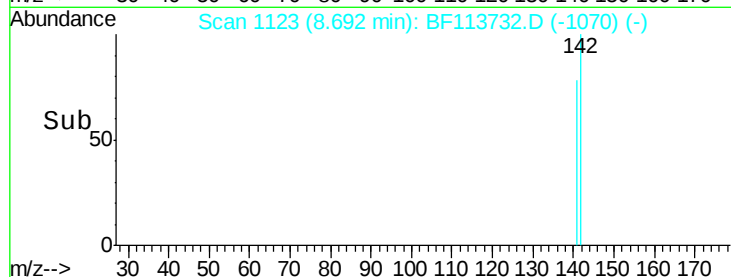
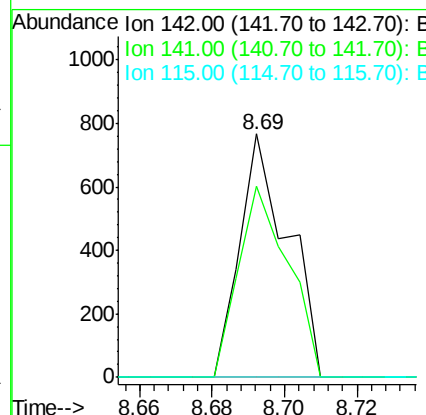
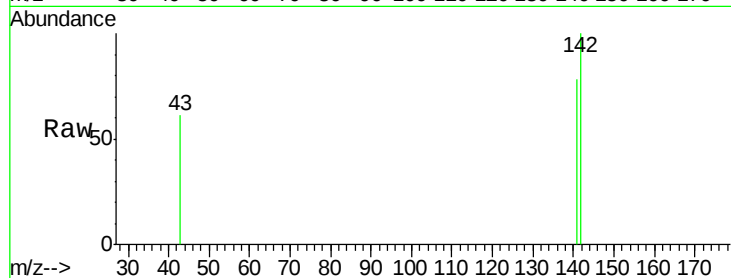




#37
2-Methylnaphthalene
Concen: 0.049 ng
RT: 8.69 min Scan# 1123
Delta R.T. 0.01 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

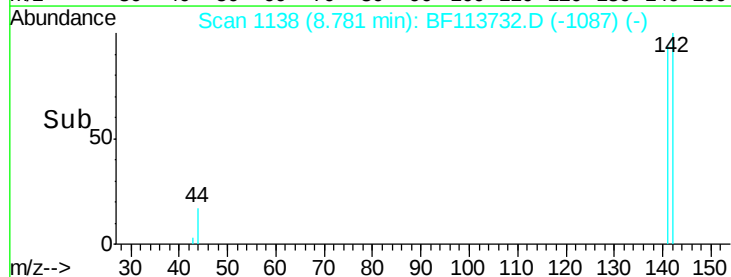
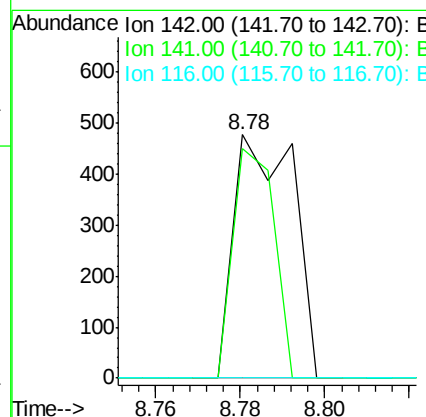
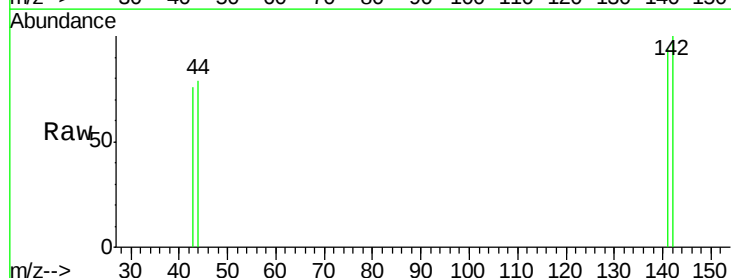
Instrument :
BNA_F
ClientSampled :

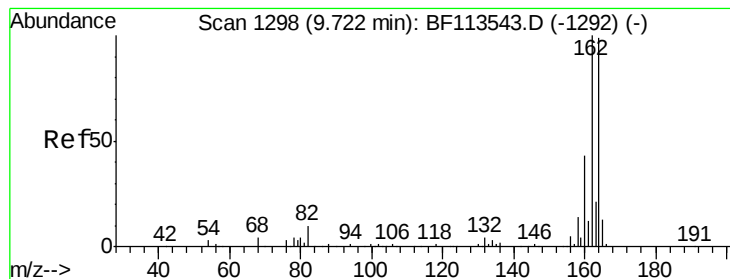
Tot Ion:142 Resp: 704
Ion Ratio Lower Upper
142 100
141 78.5 71.0 106.6
115 0.0 26.6 39.8#



#38
1-Methylnaphthalene
Concen: 0.034 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

Tgt Ion:142 Resp: 467
Ion Ratio Lower Upper
142 100
141 94.1 73.2 109.8
116 0.0 3.0 4.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampleId :

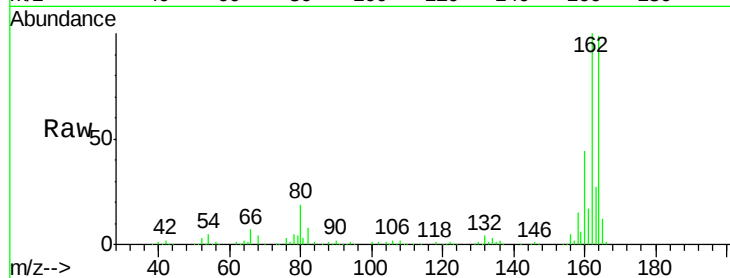
Tot Ion:164 Resp: 213563

Ion Ratio Lower Upper

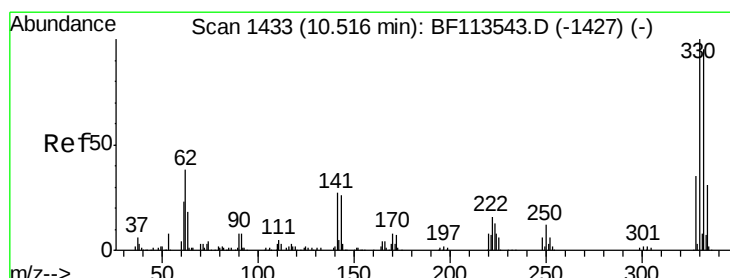
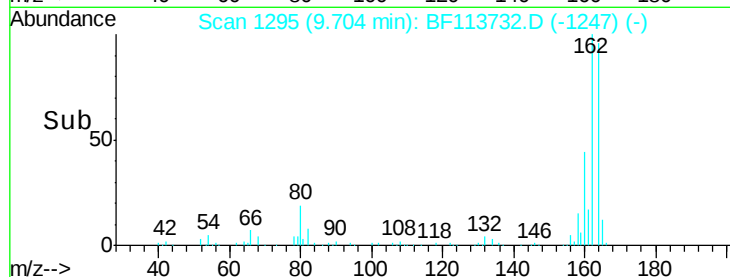
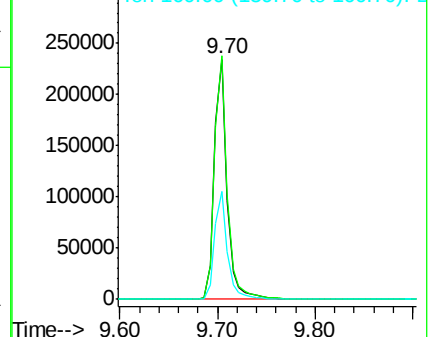
164 100

162 101.3 81.8 122.6

160 45.0 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 139.158 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

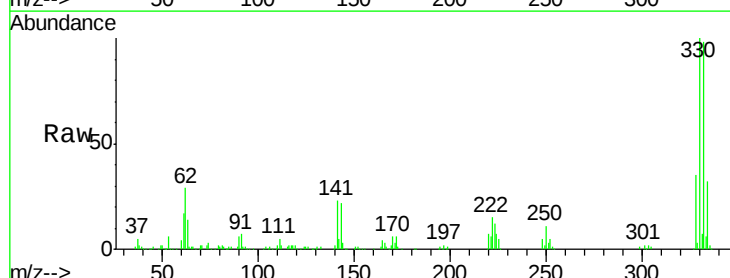
Tgt Ion:330 Resp: 356997

Ion Ratio Lower Upper

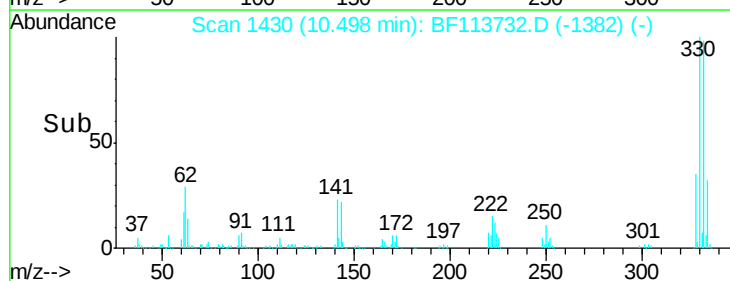
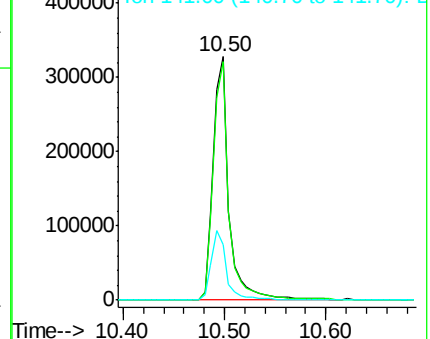
330 100

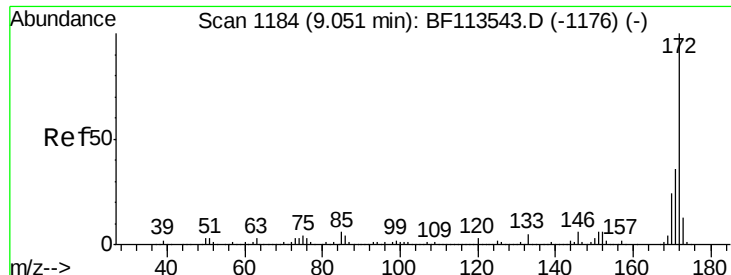
332 98.2 77.8 116.6

141 28.1 22.7 34.1



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

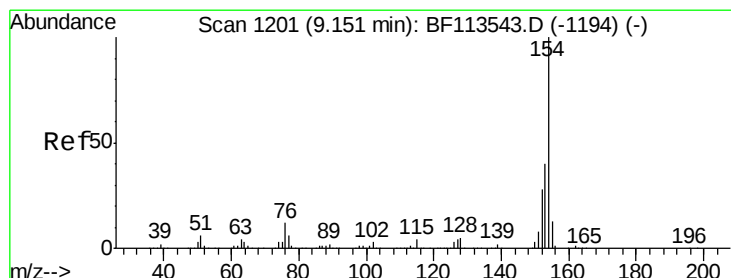
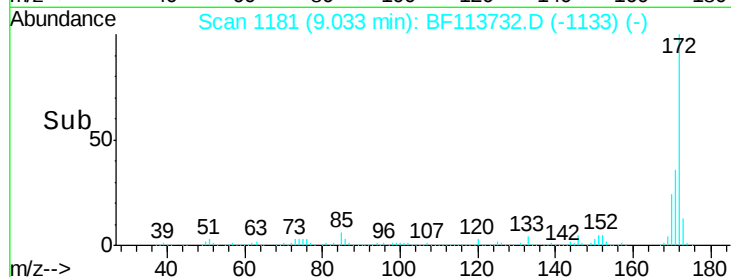
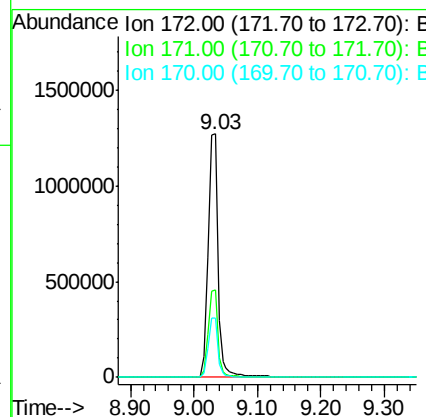
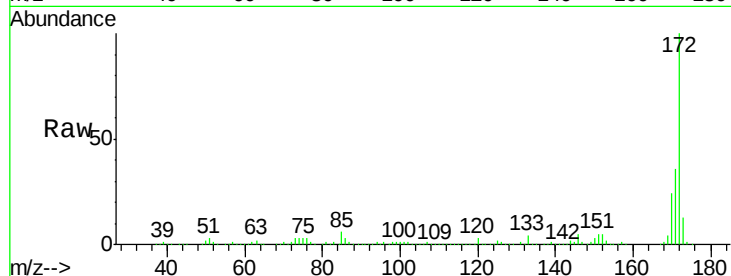




#45
 2-Fluorobiphenyl
 Concen: 103.284 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF113732.D
 Acq: 11 Apr 2019 20:56

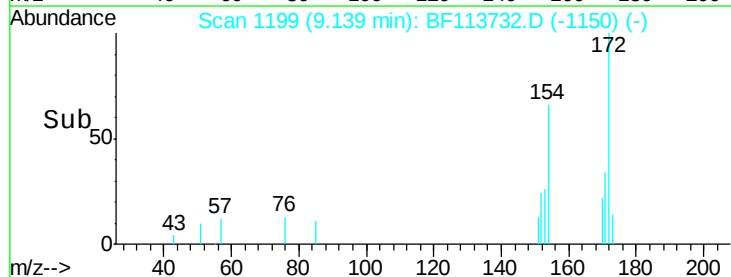
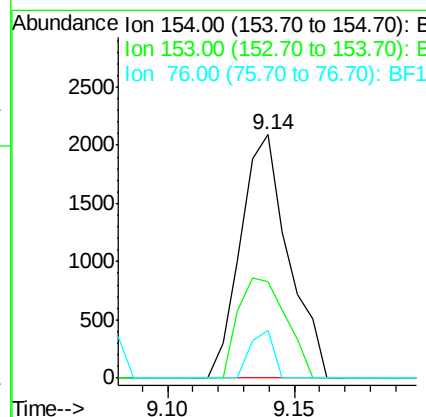
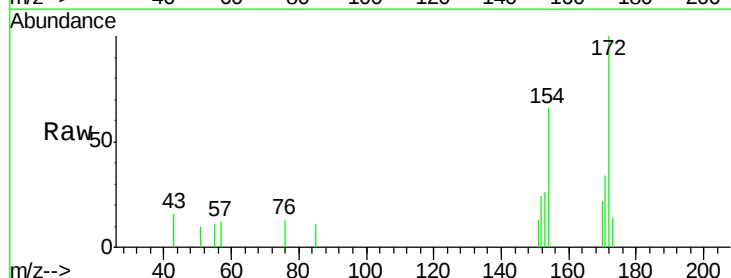
Instrument :
 BNA_F
 ClientSampleId :

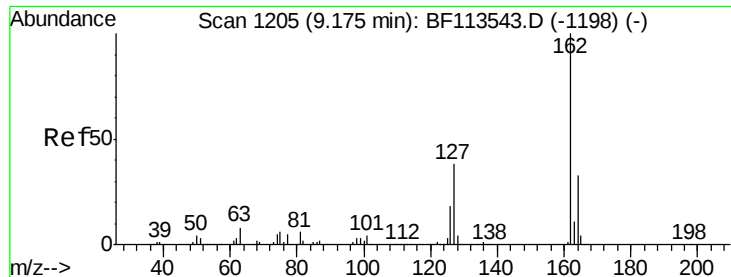
Tot Ion:172 Resp: 1370127
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.6
 170 24.4 19.5 29.3



#46
 1,1'-Biphenyl
 Concen: 0.156 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF113732.D
 Acq: 11 Apr 2019 20:56

Tgt Ion:154 Resp: 2742
 Ion Ratio Lower Upper
 154 100
 153 39.4 20.8 60.8
 76 19.7 0.0 31.9

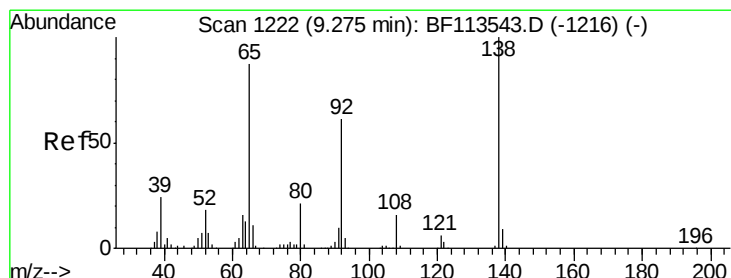
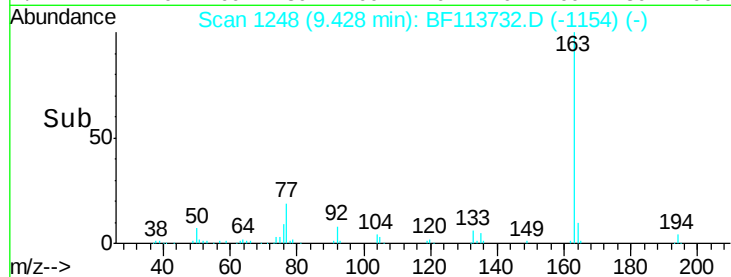
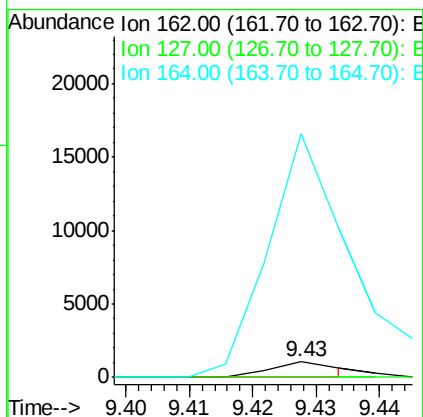
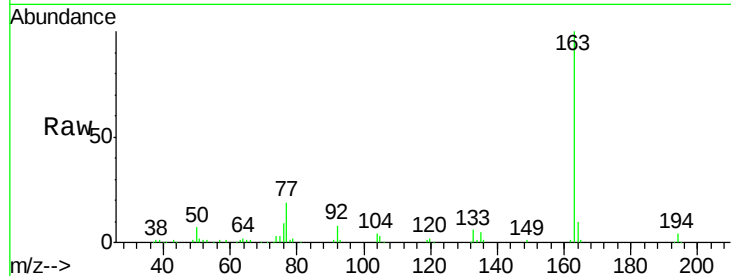




#47
 2-Chloronaphthalene
 Concen: 0.057 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. 0.25 min
 Lab File: BF113732.D
 Acq: 11 Apr 2019 20:56

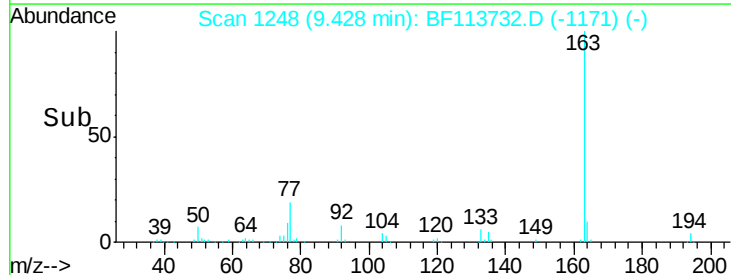
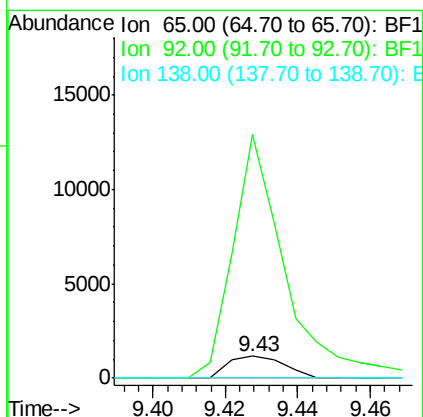
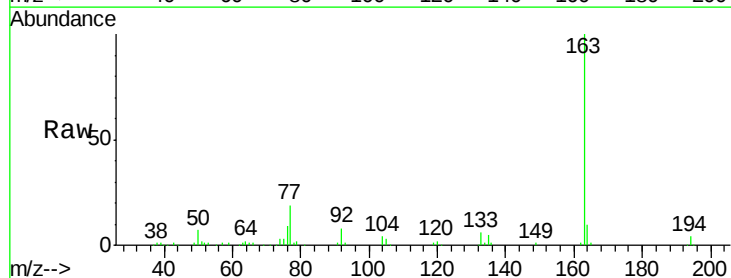
Instrument :
 BNA_F
 ClientSampleId :

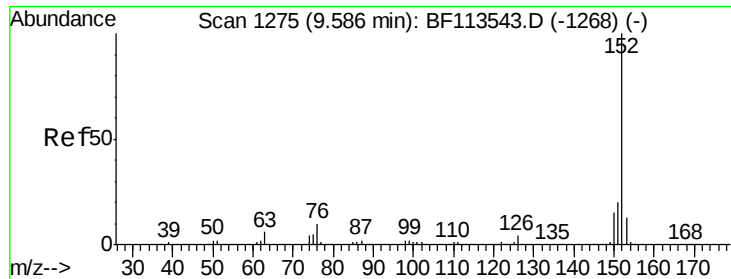
Tot Ion:162 Resp: 764
 Ion Ratio Lower Upper
 162 100
 127 0.0 32.6 49.0#
 164 1599.2 26.6 39.8#



#48
 2-Nitroaniline
 Concen: 0.305 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. 0.15 min
 Lab File: BF113732.D
 Acq: 11 Apr 2019 20:56

Tgt Ion: 65 Resp: 1246
 Ion Ratio Lower Upper
 65 100
 92 1115.6 56.8 85.2#
 138 0.0 92.3 138.5#





#49

Acenaphthylene

Concen: 0.012 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampleId :

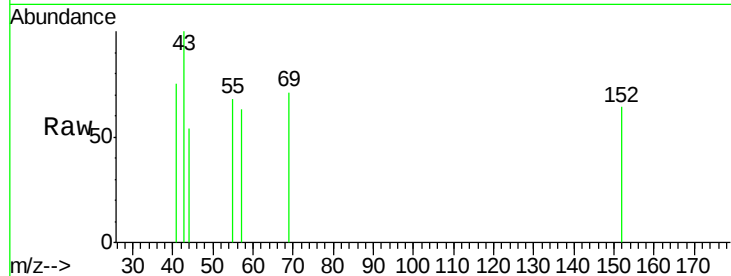
Tot Ion:152 Resp: 256

Ion Ratio Lower Upper

152 100

151 0.0 16.2 24.4#

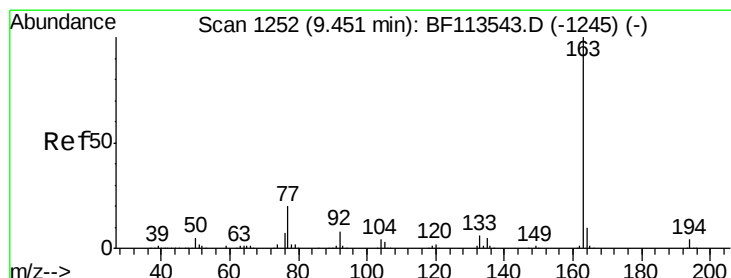
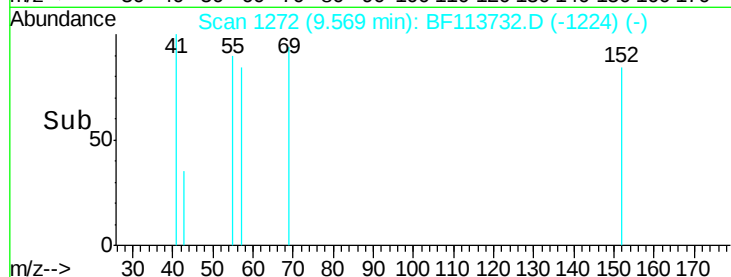
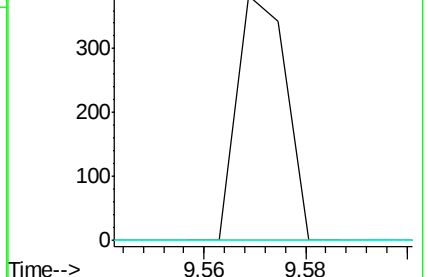
153 0.0 11.0 16.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 10.489 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

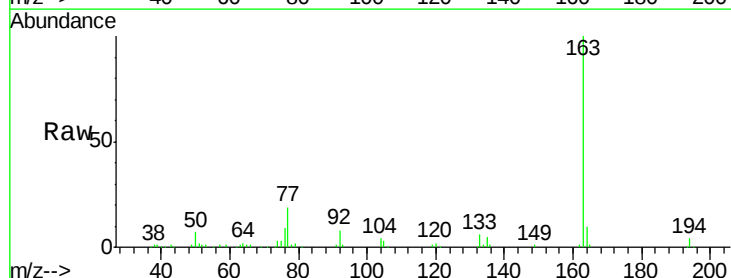
Tgt Ion:163 Resp: 165117

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.6

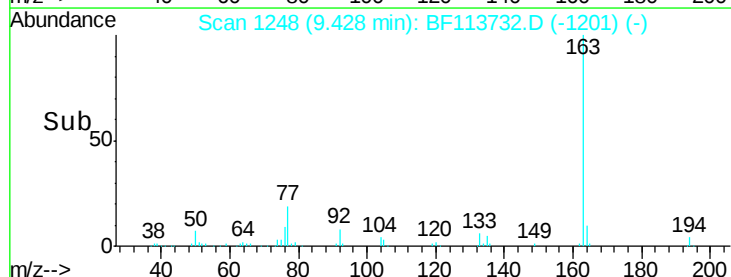
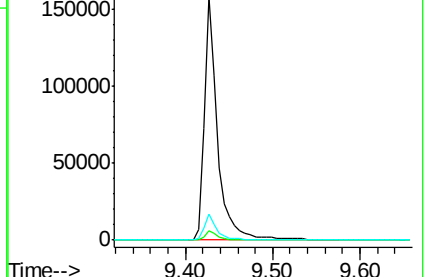
164 10.5 8.1 12.1

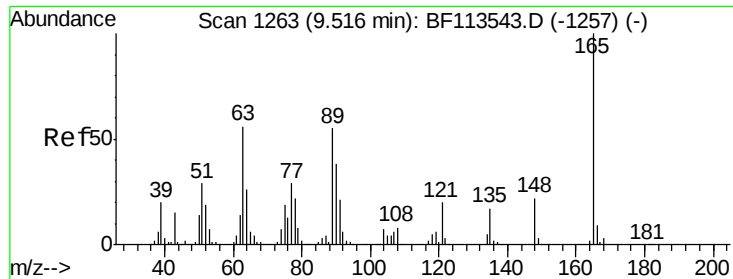


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

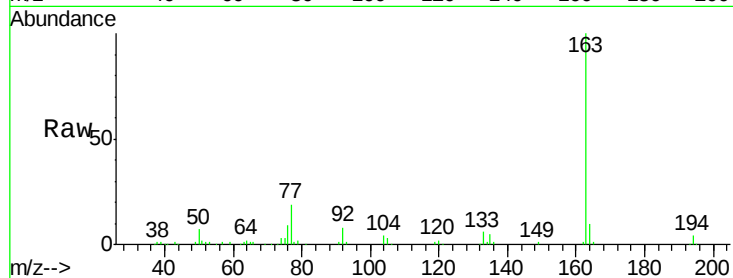




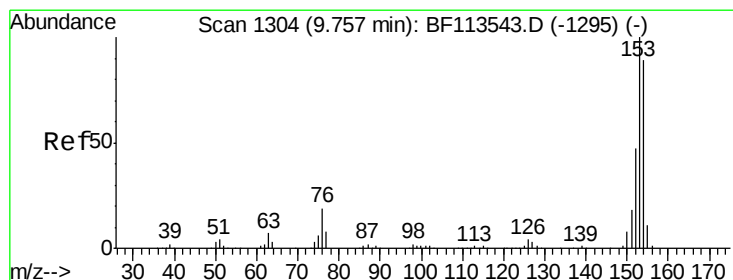
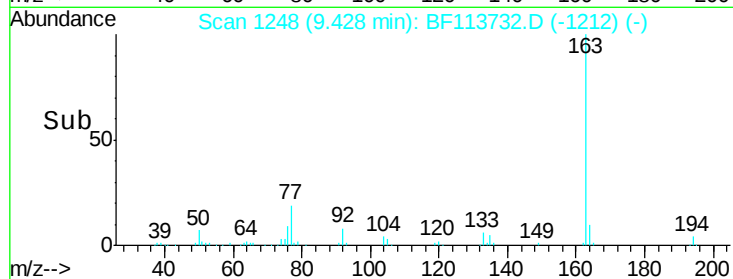
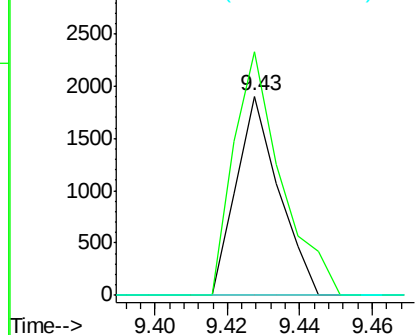
#51
 2,6-Dinitrotoluene
 Concen: 0.449 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.09 min
 Lab File: BF113732.D
 Acq: 11 Apr 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 1558
 Ion Ratio Lower Upper
 165 100
 63 122.2 43.4 65.0#
 89 0.0 43.1 64.7#

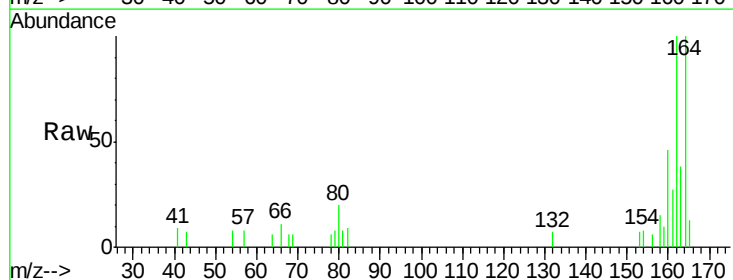


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

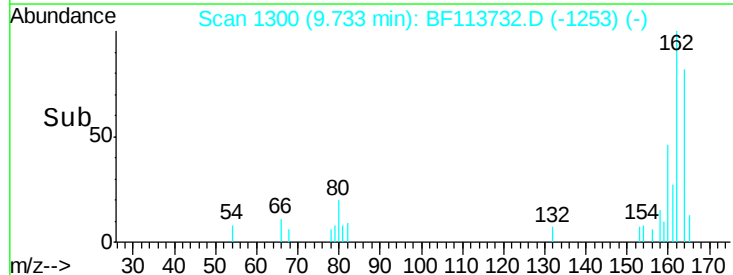
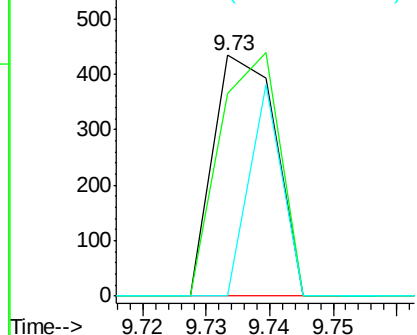


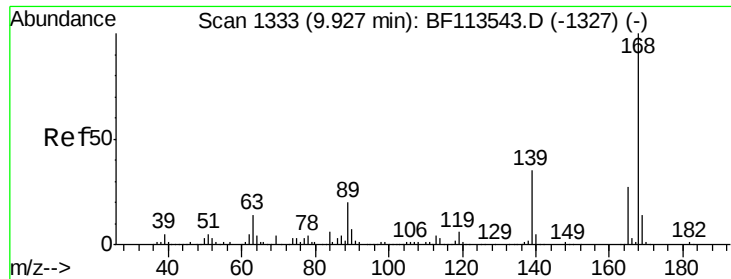
#52
 Acenaphthene
 Concen: 0.024 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF113732.D
 Acq: 11 Apr 2019 20:56

Tgt Ion:154 Resp: 292
 Ion Ratio Lower Upper
 154 100
 153 84.3 89.5 134.3#
 152 0.0 43.3 64.9#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

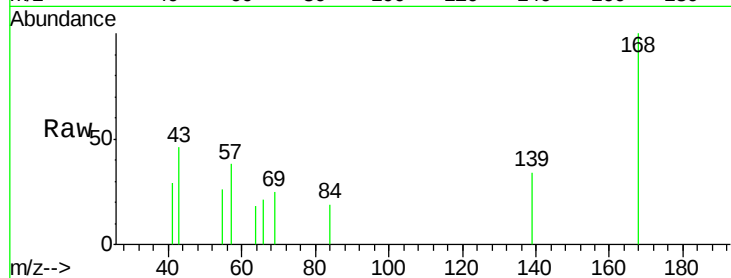




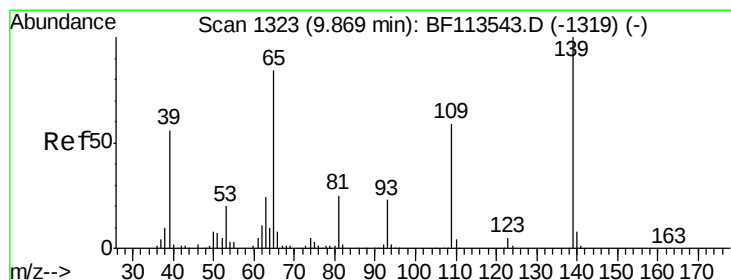
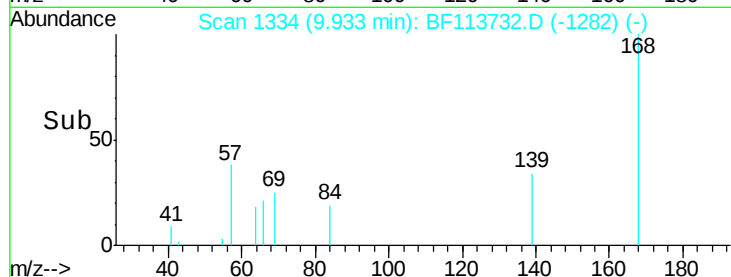
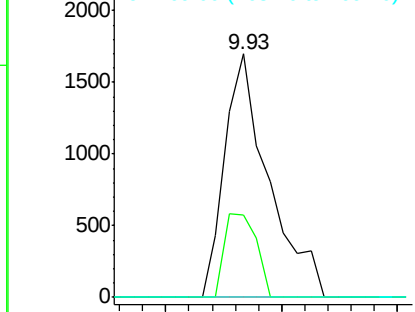
#55
Dibenzofuran
Concen: 0.124 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.01 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 2251
Ion Ratio Lower Upper
168 100
139 33.9 29.7 44.5
169 0.0 10.7 16.1#

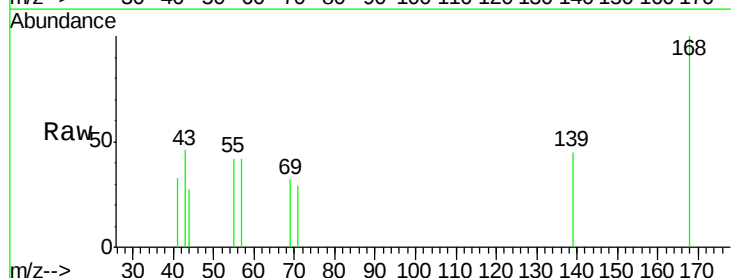


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

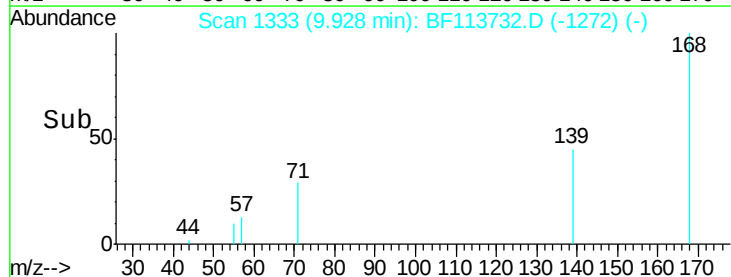
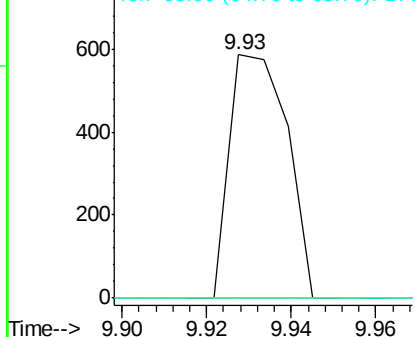


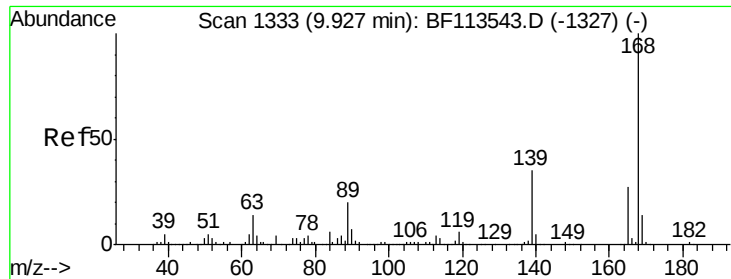
#56
4-Nitrophenol
Concen: 0.227 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.06 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

Tgt Ion:139 Resp: 556
Ion Ratio Lower Upper
139 100
109 0.0 46.9 86.9#
65 0.0 77.2 117.2#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

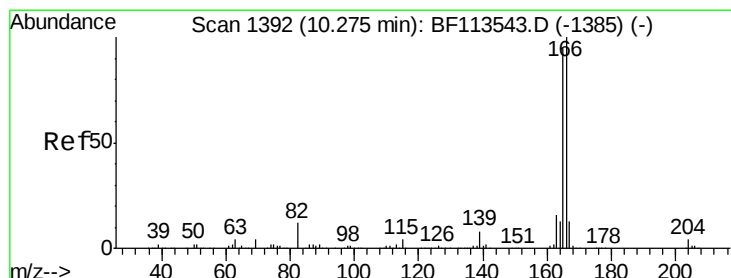
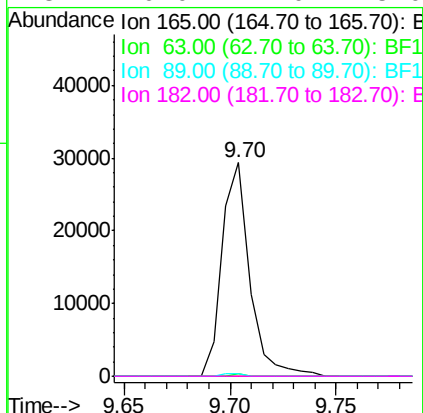
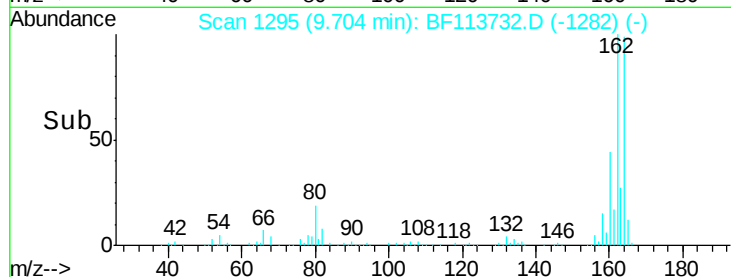
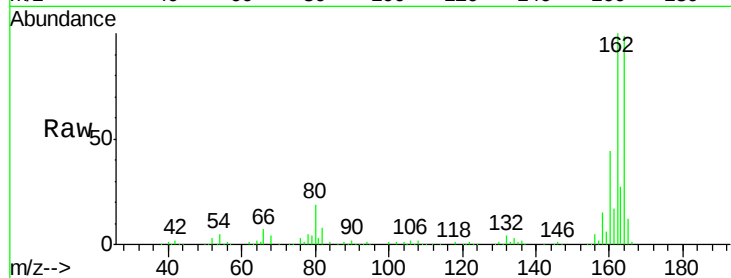




#57
2,4-Dinitrotoluene
Concen: 6.345 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.22 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

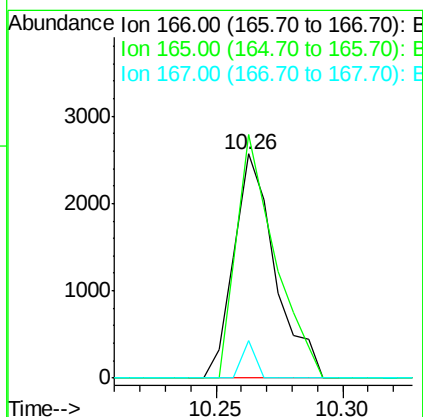
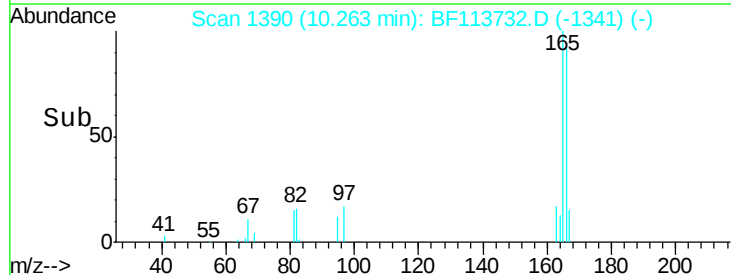
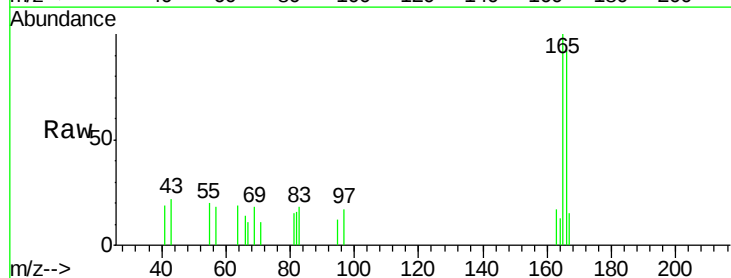
Instrument :
BNA_F
ClientSampleId :

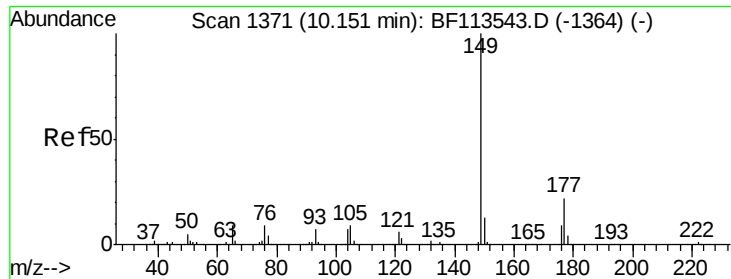
Tot Ion:165 Resp: 26630
Ion Ratio Lower Upper
165 100
63 1.3 37.5 56.3#
89 1.4 57.4 86.2#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 0.202 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

Tgt Ion:166 Resp: 2905
Ion Ratio Lower Upper
166 100
165 108.7 76.2 114.2
167 16.8 10.7 16.1#





#60

Diethylphthalate

Concen: 0.040 ng

RT: 10.13 min Scan# 1367

Delta R.T. -0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampled :

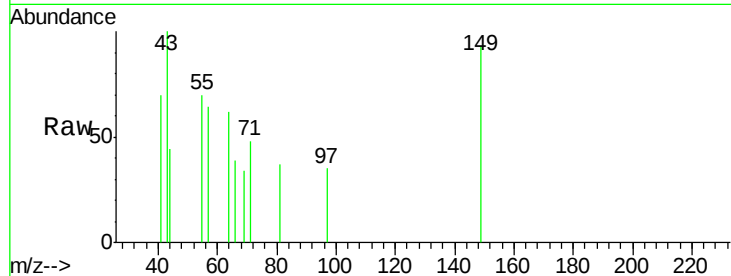
Tot Ion:149 Resp: 605

Ion Ratio Lower Upper

149 100

177 0.0 17.4 26.0#

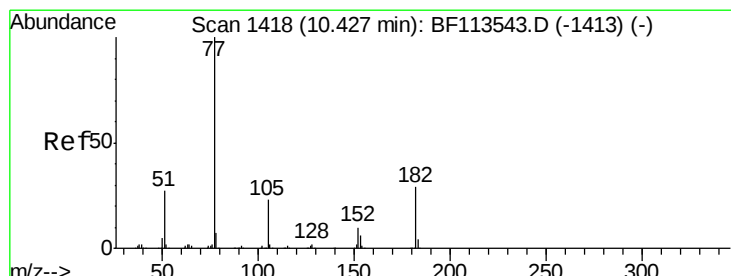
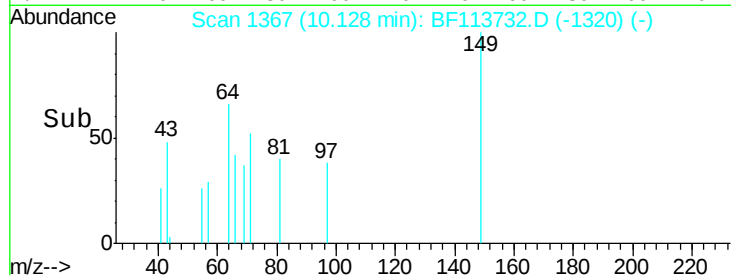
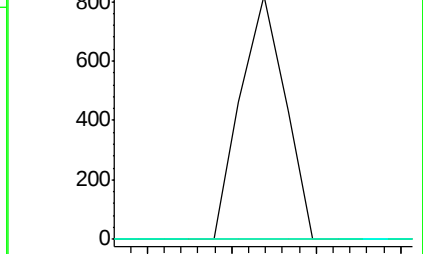
150 0.0 10.0 15.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Azobenzene

Concen: 0.098 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.06 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Tgt Ion: 77 Resp: 1407

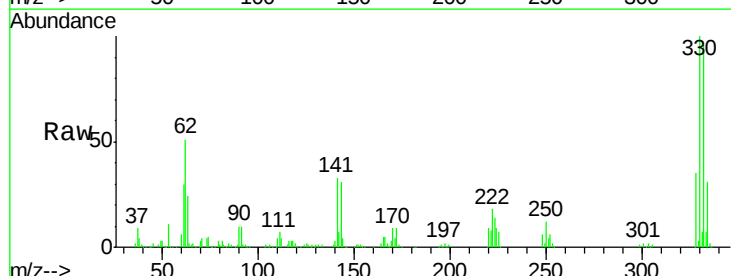
Ion Ratio Lower Upper

77 100

182 48.1 8.7 48.7

105 87.9 2.9 42.9#

51 92.6 8.8 48.8#

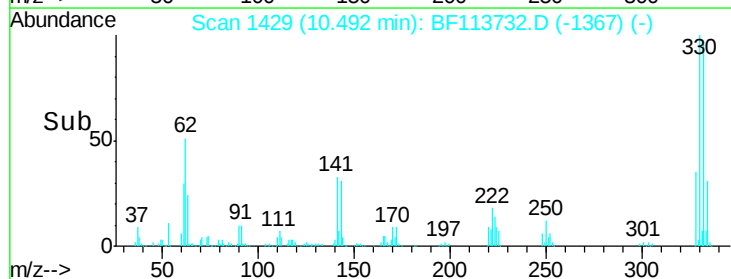
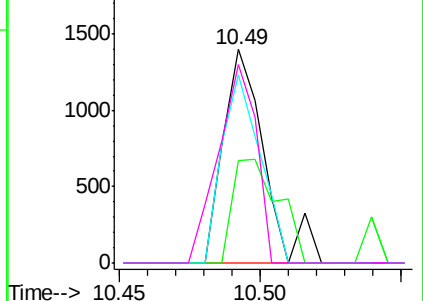


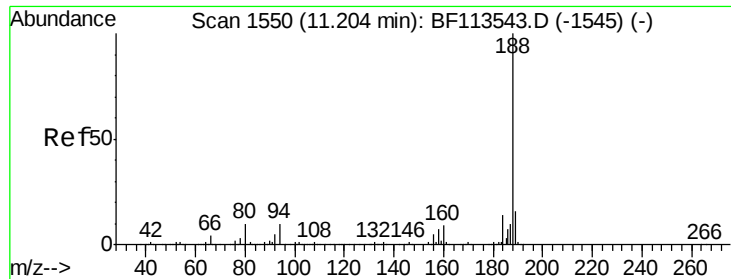
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

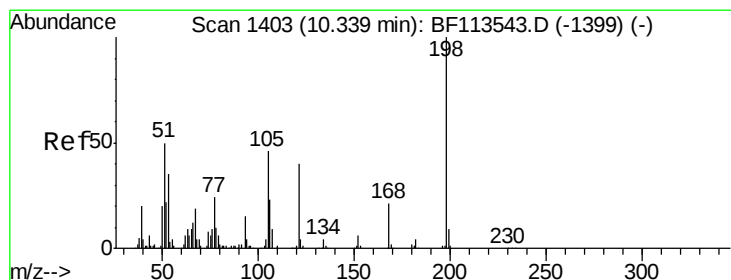
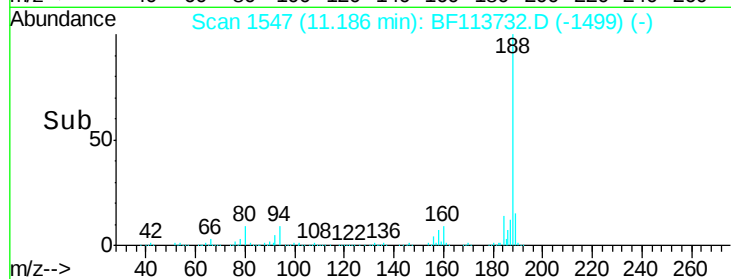
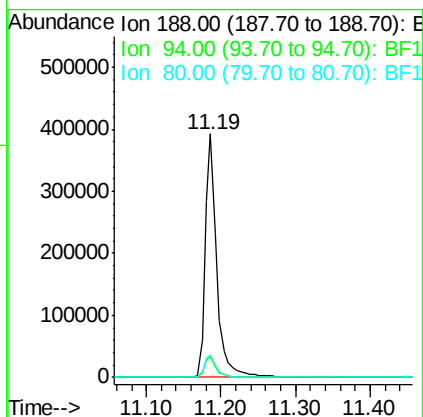
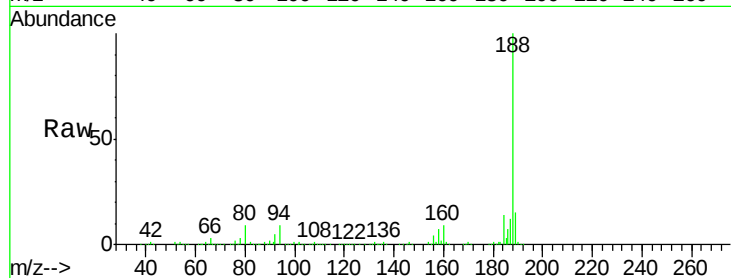




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

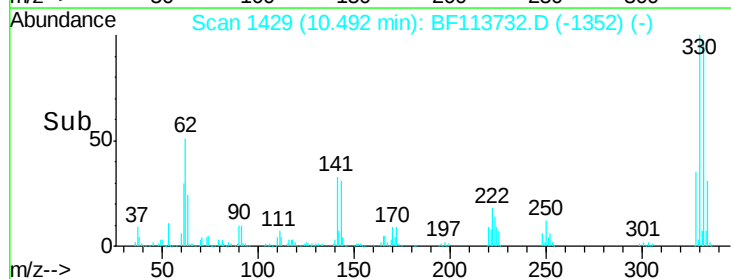
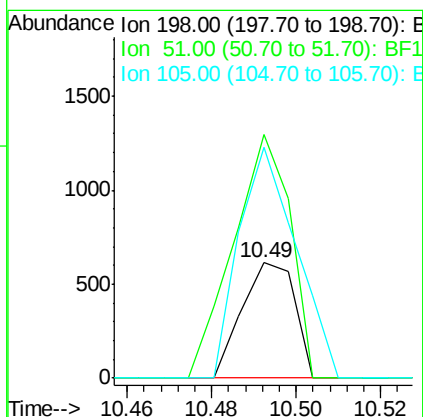
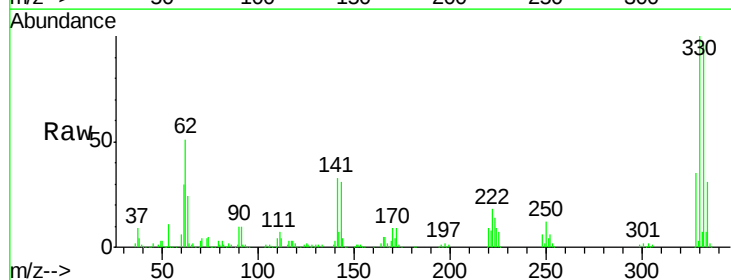
Instrument :
BNA_F
ClientSampled :

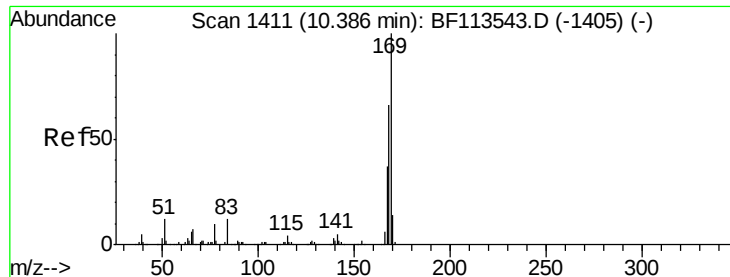
Tot Ion:188 Resp: 424313
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.6
80 9.2 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 0.239 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.15 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

Tgt Ion:198 Resp: 533
Ion Ratio Lower Upper
198 100
51 210.7 21.6 61.6#
105 200.0 20.6 60.6#

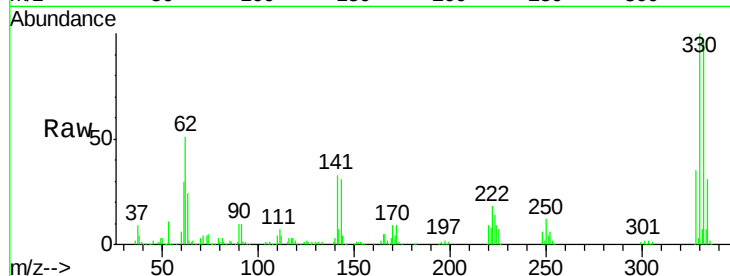




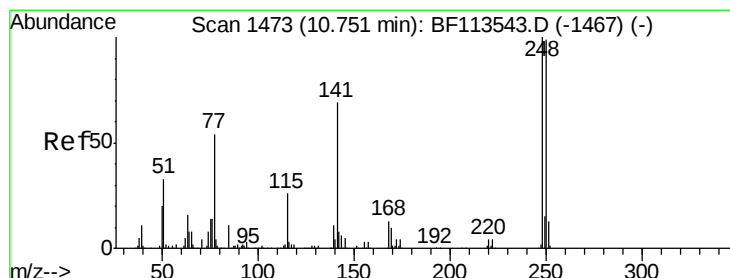
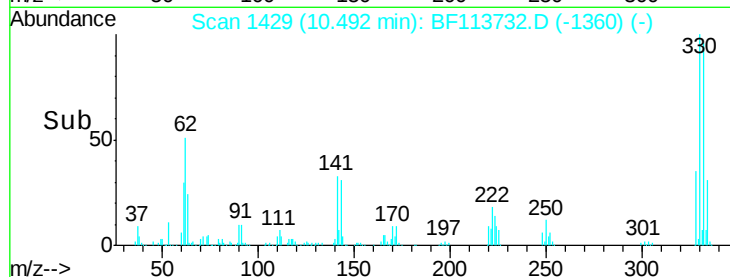
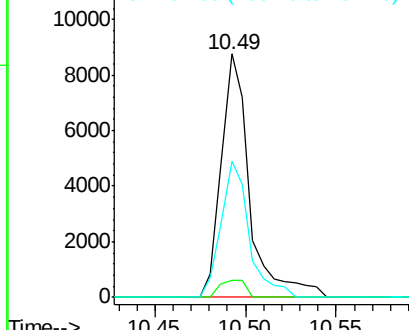
#66
 n-Nitrosodiphenylamine
 Concen: 0.735 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.11 min
 Lab File: BF113732.D
 Acq: 11 Apr 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 9578
 Ion Ratio Lower Upper
 169 100
 168 7.2 53.7 80.5#
 167 55.7 29.5 44.3#

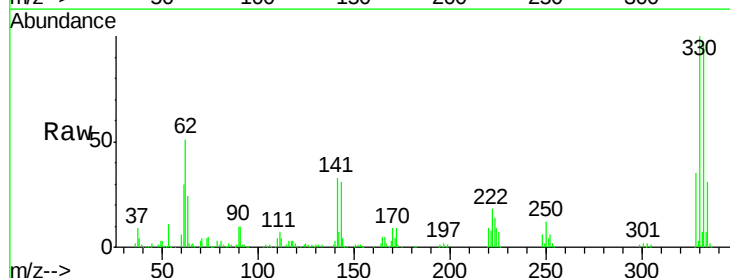


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

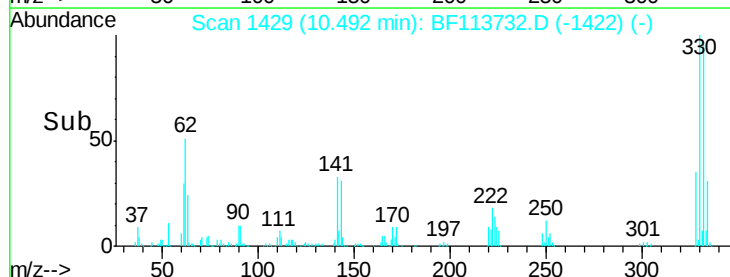
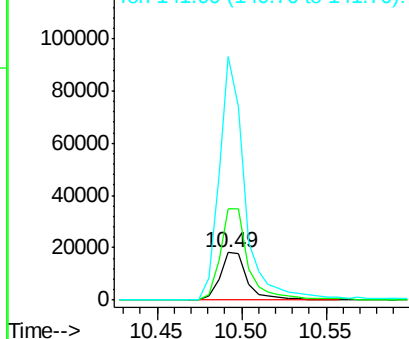


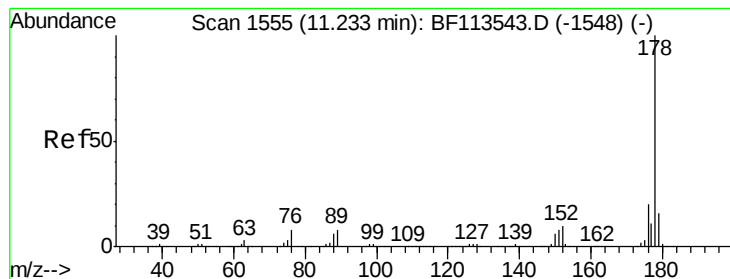
#67
 4-Bromophenyl-phenylether
 Concen: 4.319 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.26 min
 Lab File: BF113732.D
 Acq: 11 Apr 2019 20:56

Tgt Ion:248 Resp: 20554
 Ion Ratio Lower Upper
 248 100
 250 190.8 78.3 117.5#
 141 512.0 56.2 84.4#



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





#71

Phenanthrene

Concen: 0.913 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampleId :

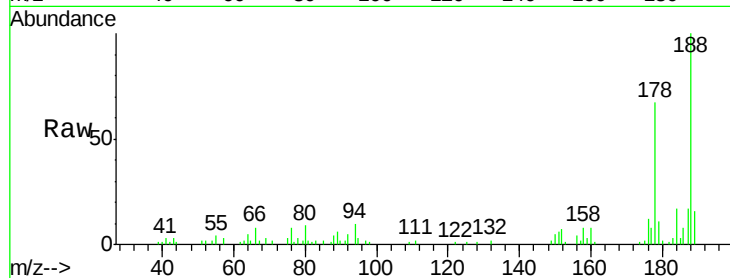
Tot Ion:178 Resp: 19249

Ion Ratio Lower Upper

178 100

176 18.3 16.2 24.2

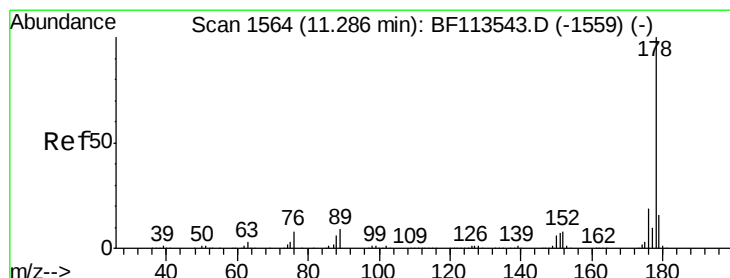
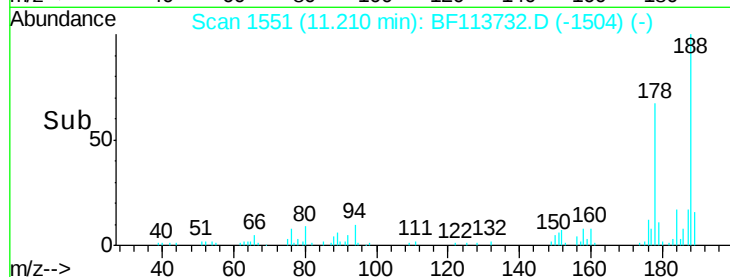
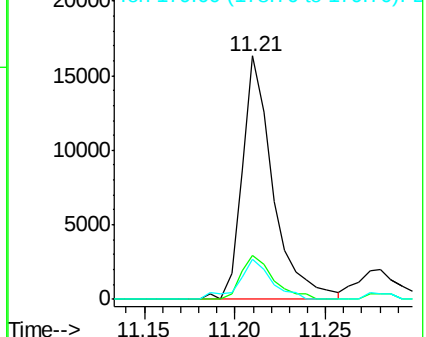
179 16.6 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 0.897 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.08 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

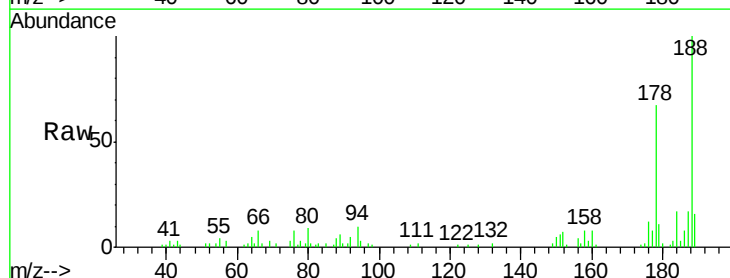
Tgt Ion:178 Resp: 19249

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

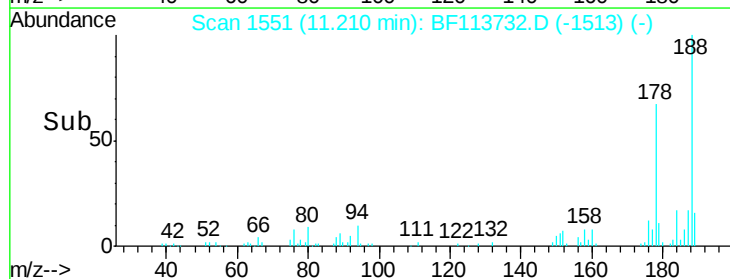
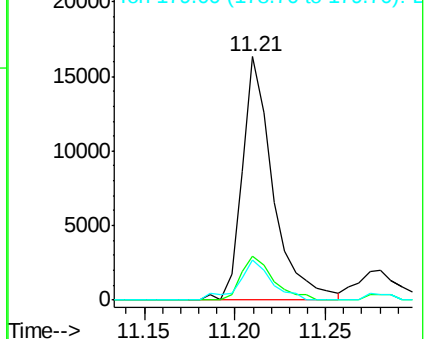
179 16.6 12.8 19.2

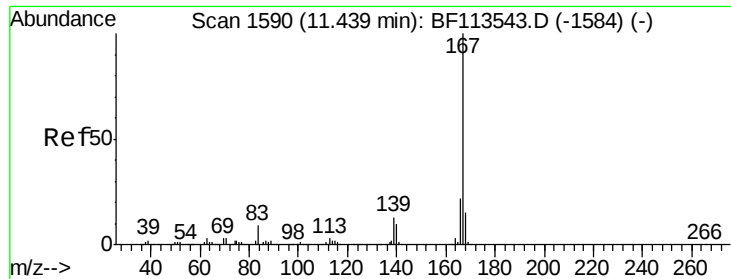


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 0.095 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampleId :

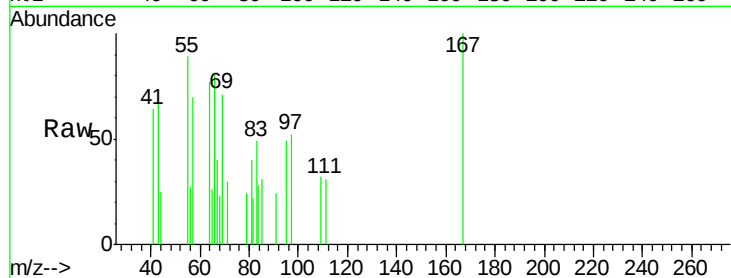
Tot Ion:167 Resp: 1897

Ion Ratio Lower Upper

167 100

166 0.0 17.4 26.0#

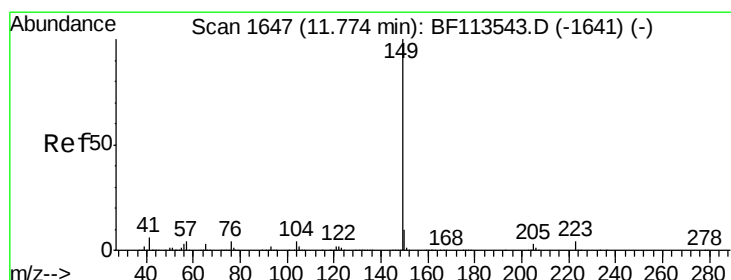
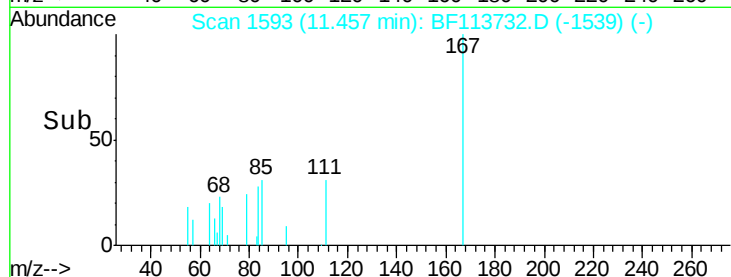
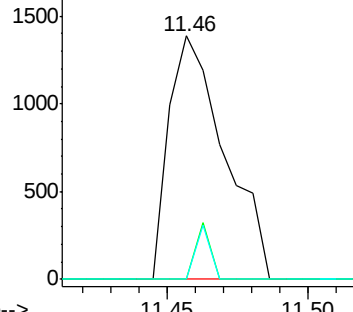
139 0.0 10.4 15.6#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 0.155 ng

RT: 11.75 min Scan# 1642

Delta R.T. -0.03 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

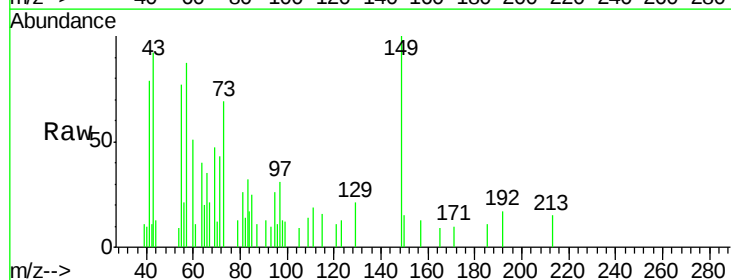
Tgt Ion:149 Resp: 3688

Ion Ratio Lower Upper

149 100

150 14.6 7.7 11.5#

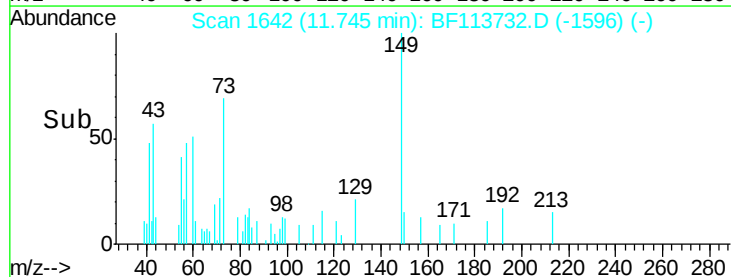
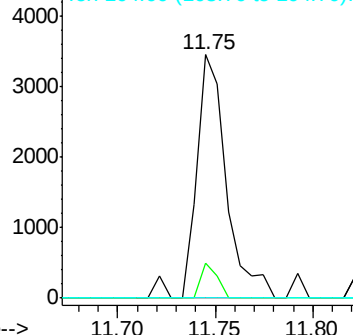
104 0.0 3.7 5.5#

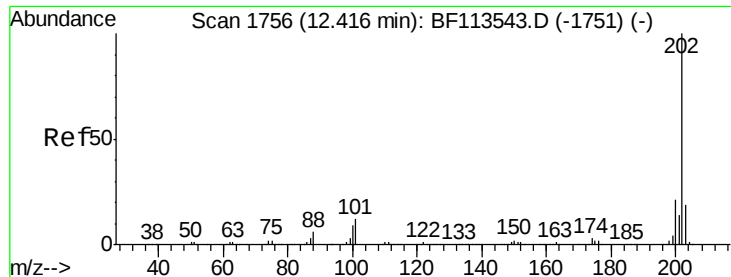


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

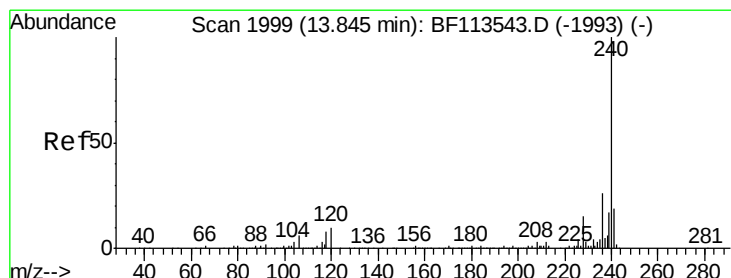
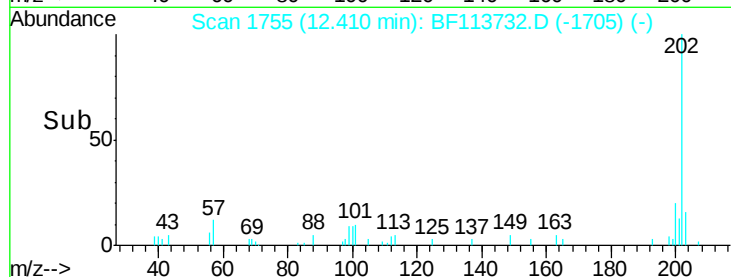
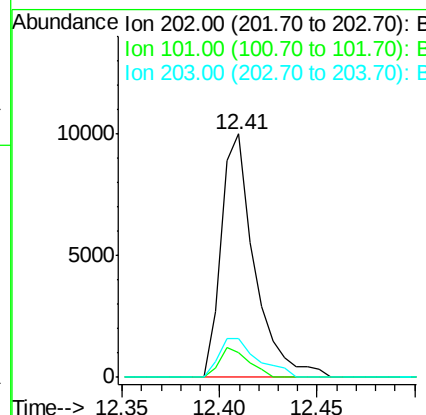
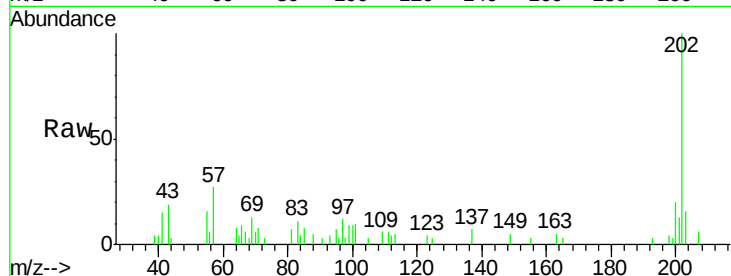




#75
 Fluoranthene
 Concen: 0.524 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BF113732.D
 Acq: 11 Apr 2019 20:56

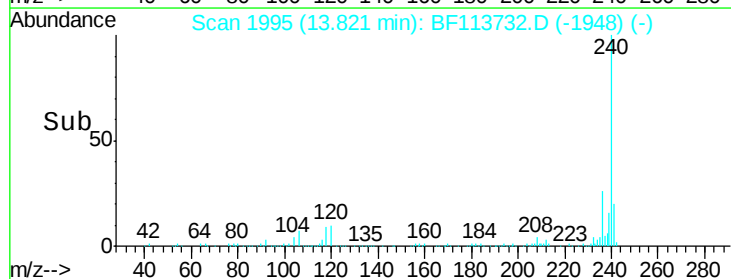
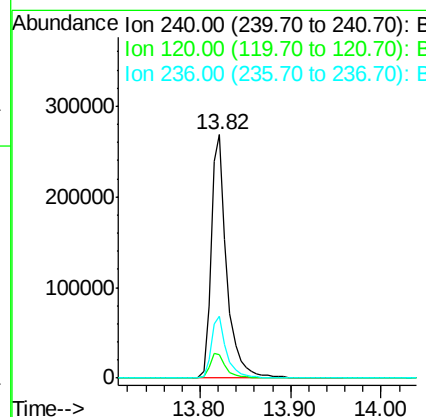
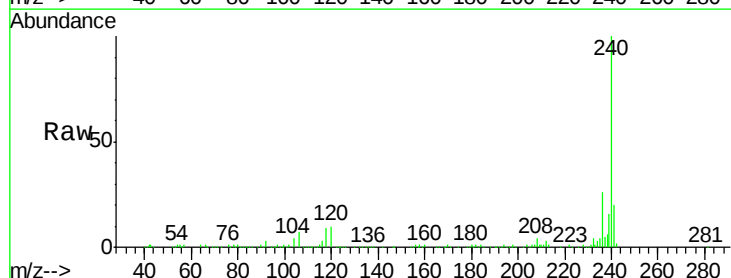
Instrument :
 BNA_F
 ClientSampled :

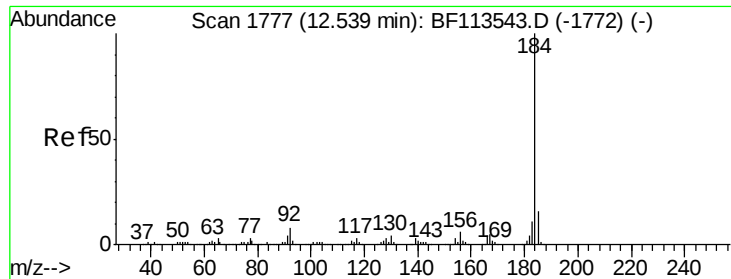
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.4
203	15.8	0.0	38.0



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.02 min
 Lab File: BF113732.D
 Acq: 11 Apr 2019 20:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.8	13.2
236	25.6	20.9	31.3





#77

Benzidine

Concen: 1.334 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.22 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampleId :

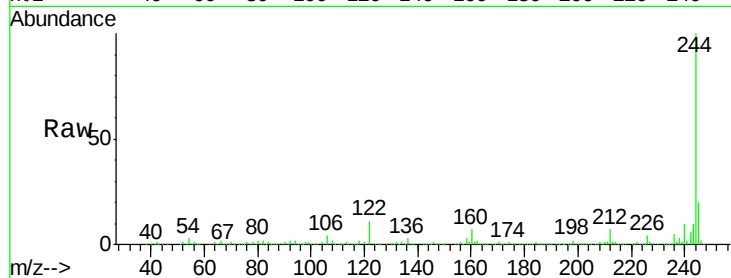
Tot Ion:184 Resp: 15988

Ion Ratio Lower Upper

184 100

185 16.4 13.0 19.6

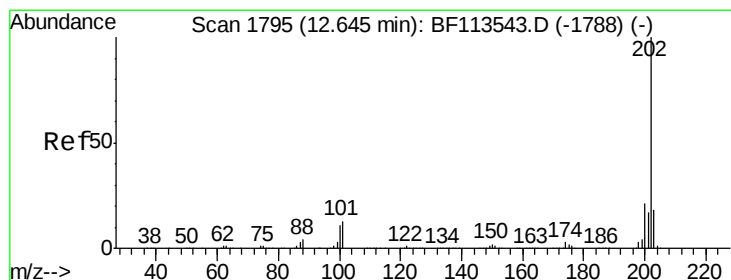
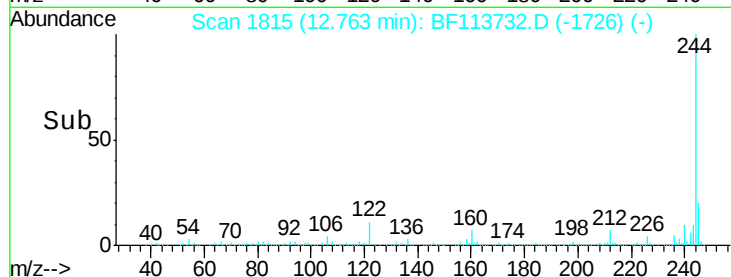
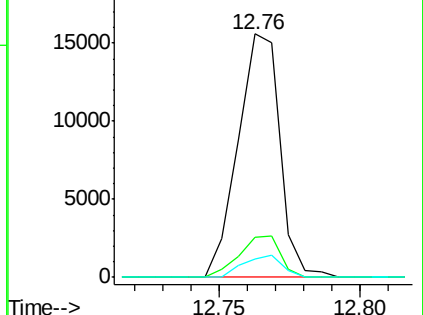
183 7.5 9.0 13.4#



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

Pyrene

Concen: 0.431 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

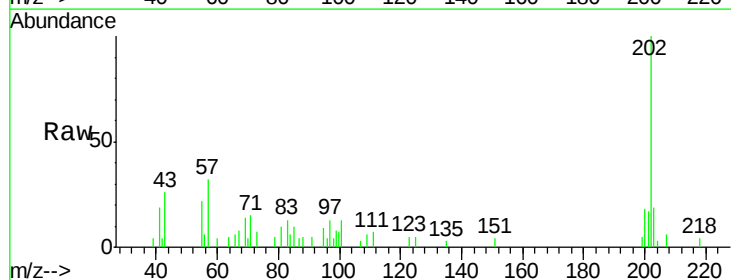
Tgt Ion:202 Resp: 10571

Ion Ratio Lower Upper

202 100

200 17.8 16.8 25.2

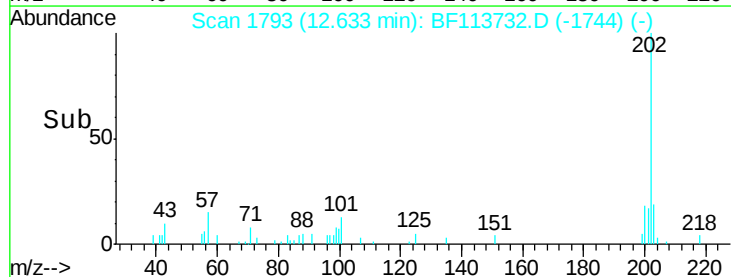
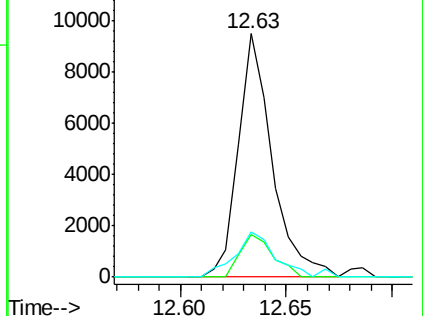
203 18.6 14.4 21.6

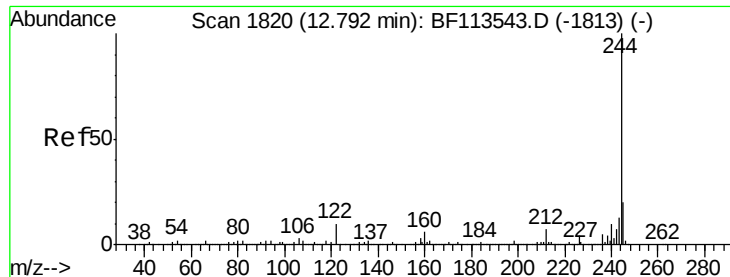


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 89.912 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampleId :

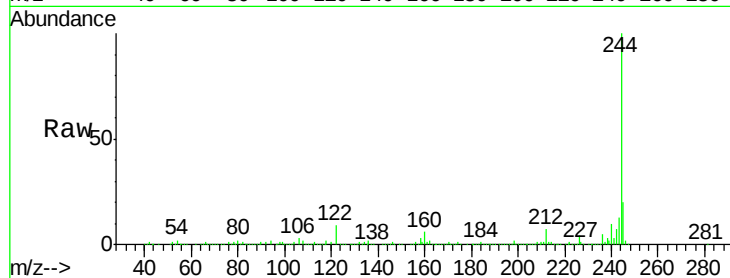
Tot Ion:244 Resp: 1423519

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

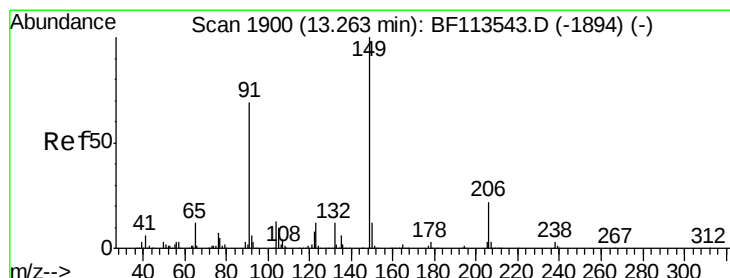
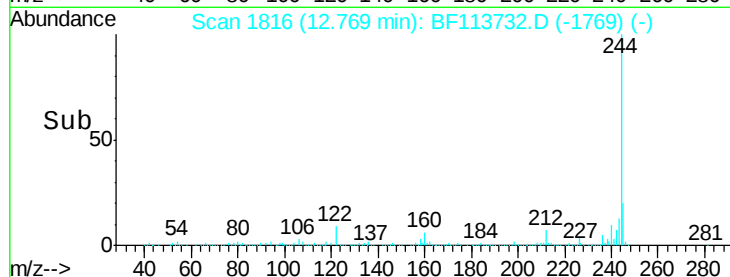
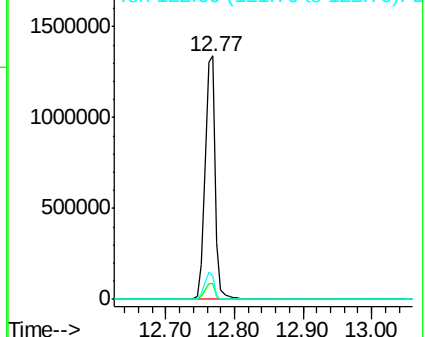
122 9.4 8.6 13.0



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: 0.062 ng

RT: 13.23 min Scan# 1895

Delta R.T. -0.03 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

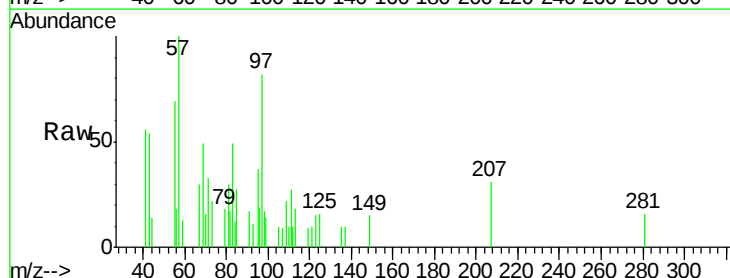
Tgt Ion:149 Resp: 617

Ion Ratio Lower Upper

149 100

91 114.2 55.2 82.8#

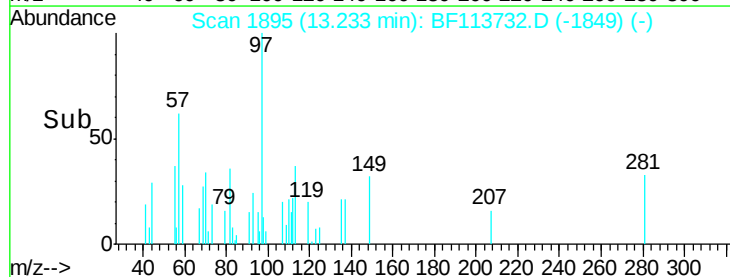
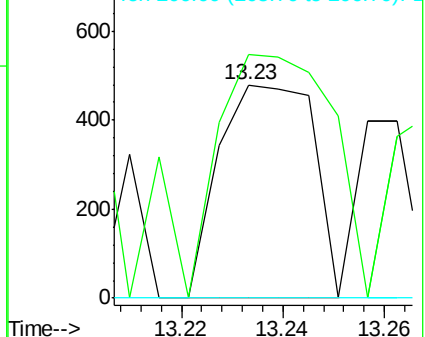
206 0.0 16.1 24.1#

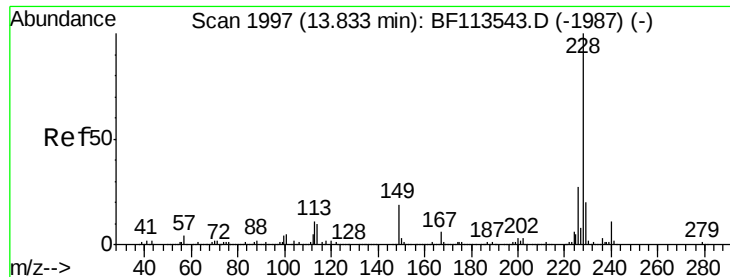


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.249 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF113732.D

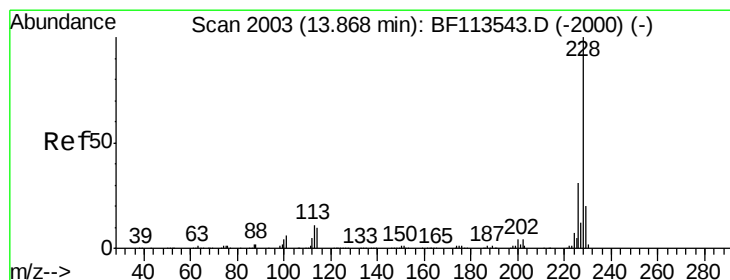
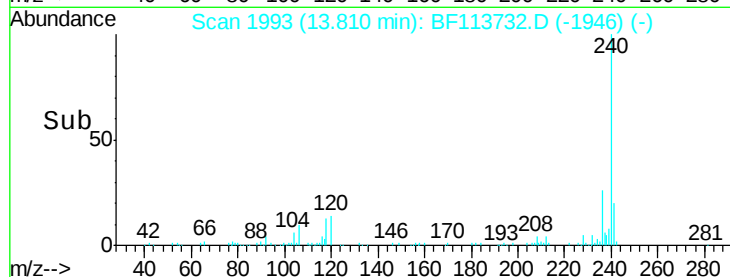
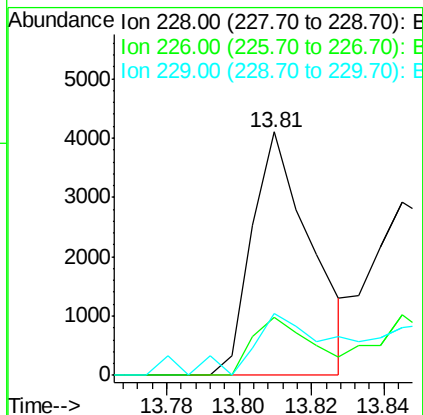
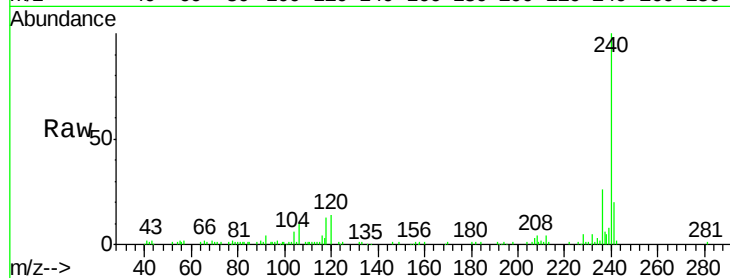
Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	4625
Ion	Ratio	Lower Upper
228	100	
226	23.7	21.8 32.8
229	25.4	16.2 24.4#



#83

Chrysene

Concen: 0.250 ng

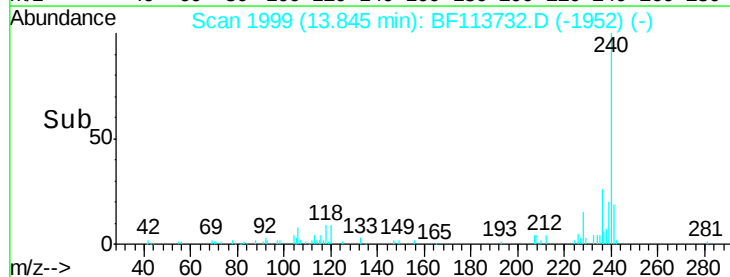
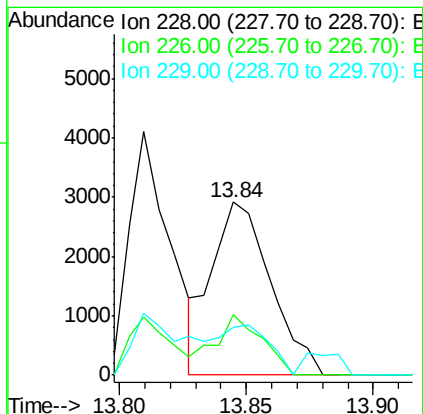
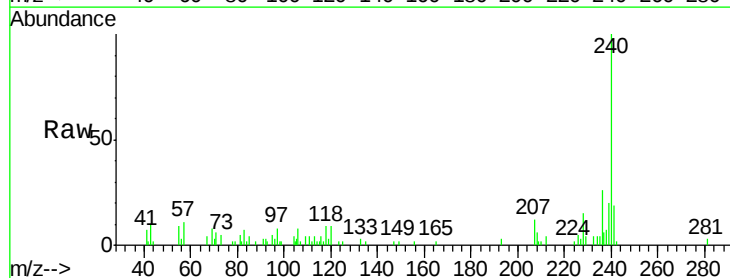
RT: 13.84 min Scan# 1999

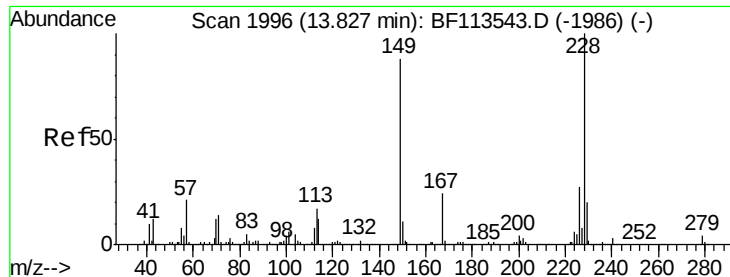
Delta R.T. -0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Tgt Ion:228	Resp:	4709
Ion	Ratio	Lower Upper
228	100	
226	34.8	24.3 36.5
229	27.8	16.3 24.5#





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.161 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.04 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampleId :

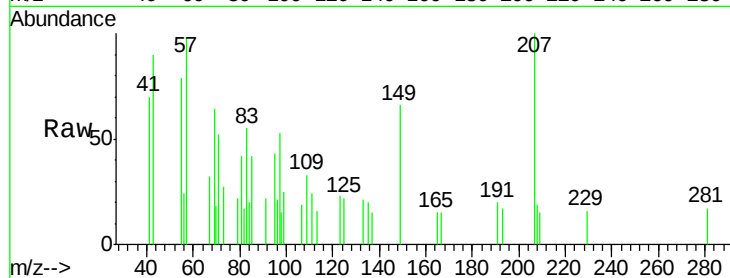
Tot Ion:149 Resp: 1943

Ion Ratio Lower Upper

149 100

167 23.1 21.8 32.8

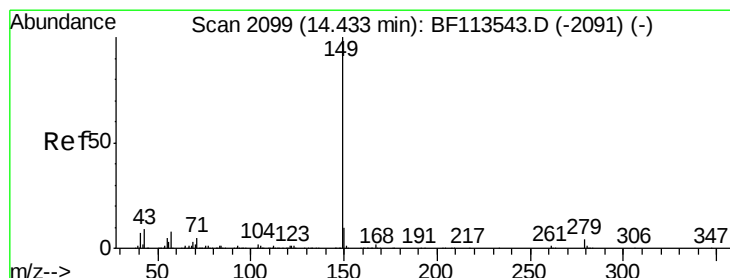
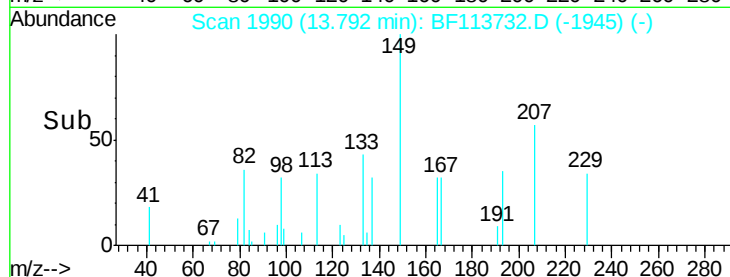
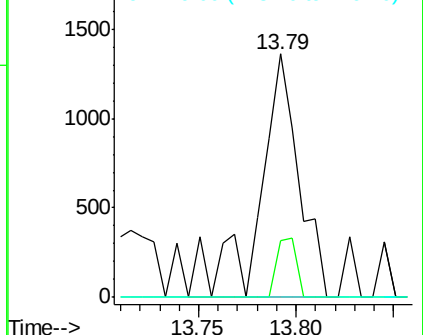
279 0.0 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.078 ng

RT: 14.40 min Scan# 2094

Delta R.T. -0.03 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

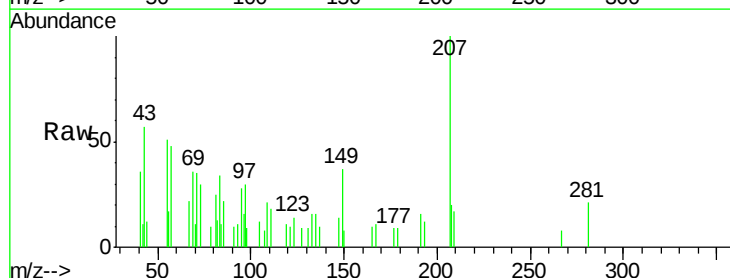
Tgt Ion:149 Resp: 1521

Ion Ratio Lower Upper

149 100

167 32.9 1.3 1.9#

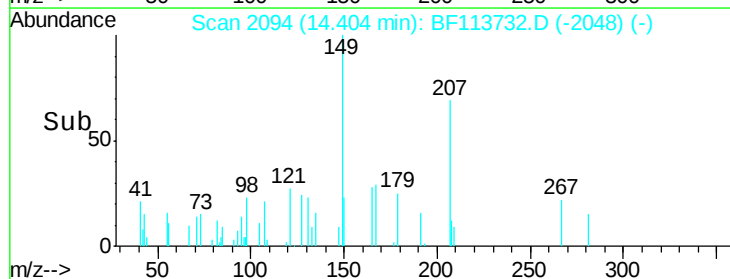
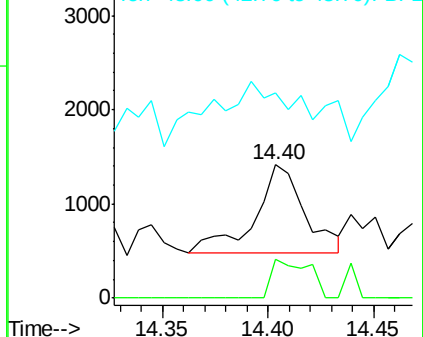
43 148.5 7.7 11.5#

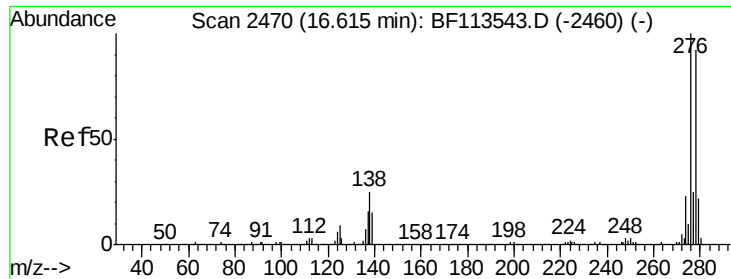


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

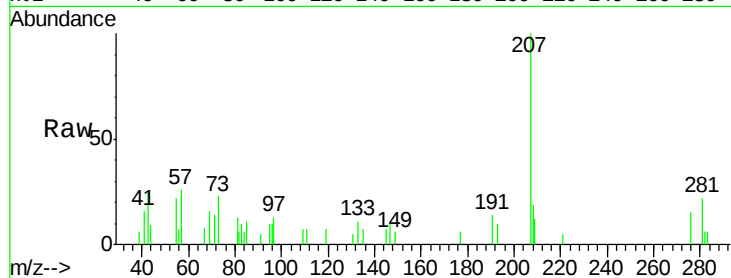




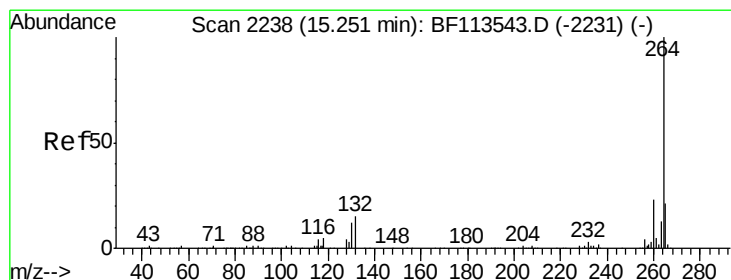
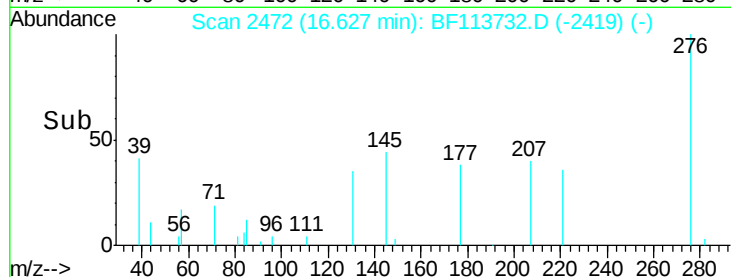
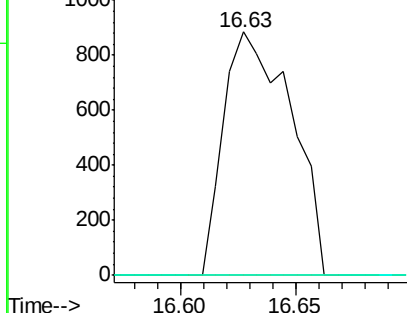
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.103 ng
 RT: 16.63 min Scan# 2472
 Delta R.T. 0.01 min
 Lab File: BF113732.D
 Acq: 11 Apr 2019 20:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:276 Resp: 1799
 Ion Ratio Lower Upper
 276 100
 138 0.0 18.1 27.1#
 277 0.0 20.2 30.4#

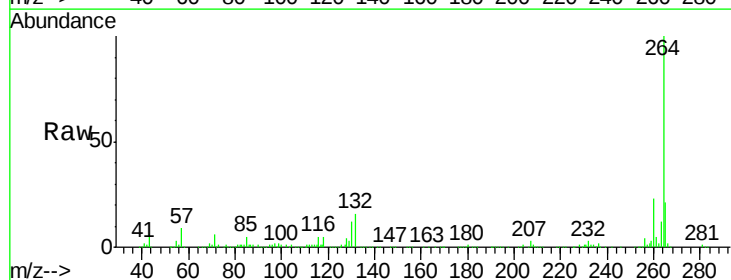


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

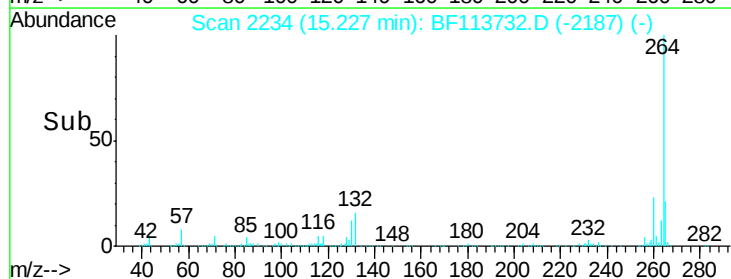
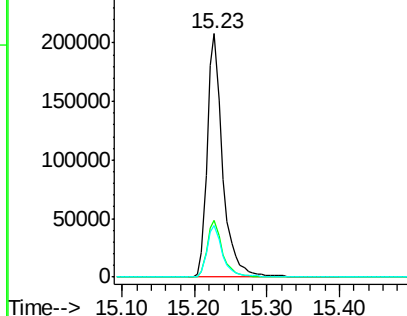


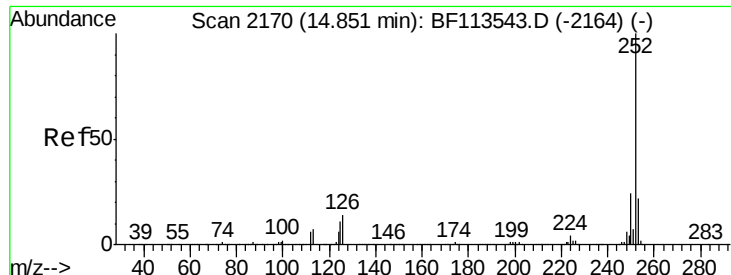
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF113732.D
 Acq: 11 Apr 2019 20:56

Tgt Ion:264 Resp: 308153
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.1 28.7
 265 21.4 17.1 25.7



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

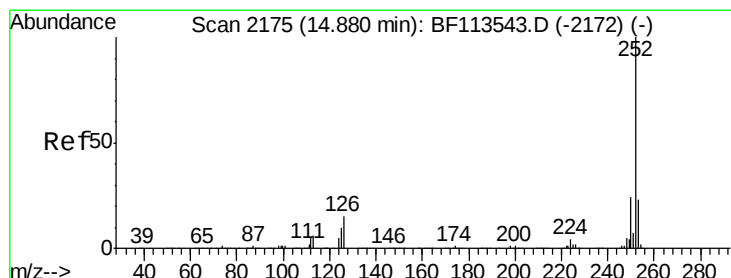
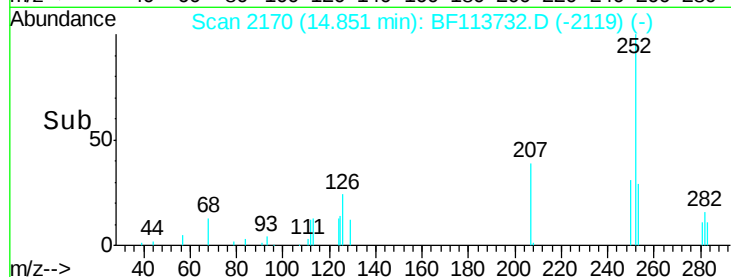
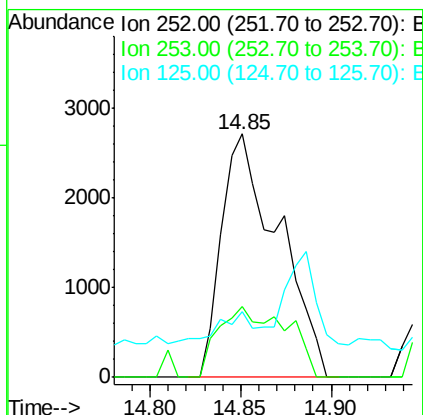
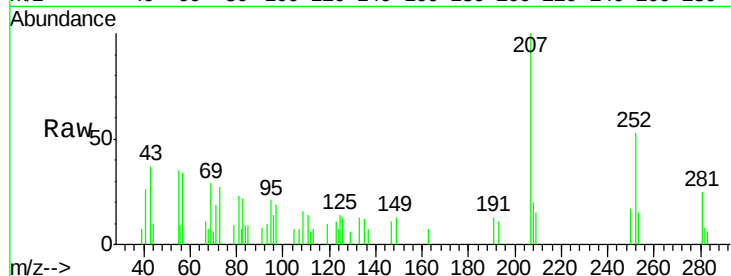




#88
Benzo(b)fluoranthene
Concen: 0.315 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

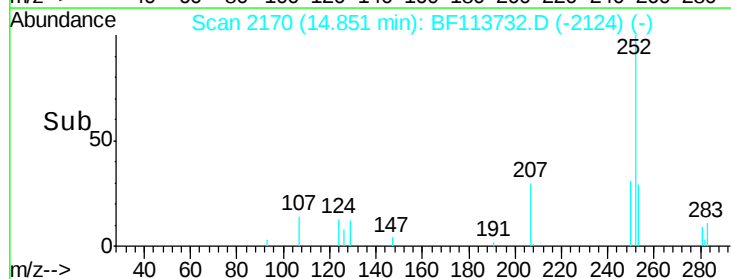
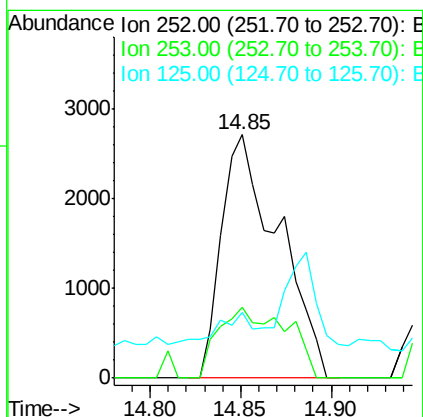
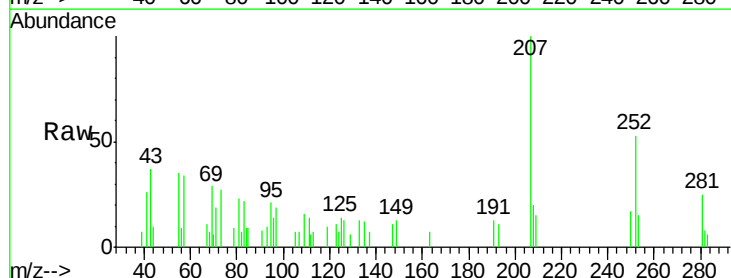
Instrument :
BNA_F
ClientSampleId :

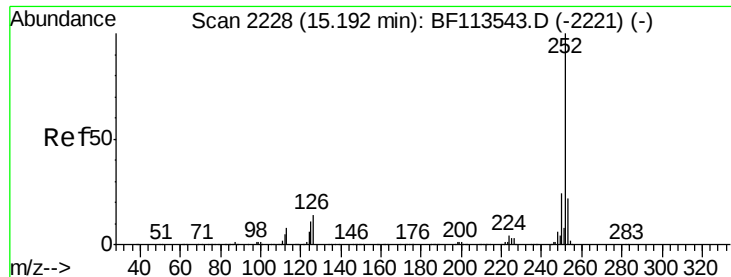
Tot Ion:252 Resp: 5935
Ion Ratio Lower Upper
252 100
253 28.8 18.0 27.0#
125 27.2 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 0.351 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113732.D
Acq: 11 Apr 2019 20:56

Tgt Ion:252 Resp: 5935
Ion Ratio Lower Upper
252 100
253 28.8 17.7 26.5#
125 27.2 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 0.183 ng

RT: 15.17 min Scan# 2225

Delta R.T. -0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampleId :

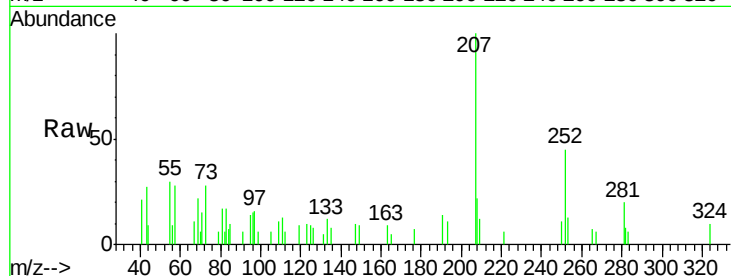
Tot Ion:252 Resp: 3059

Ion Ratio Lower Upper

252 100

253 28.4 17.9 26.9#

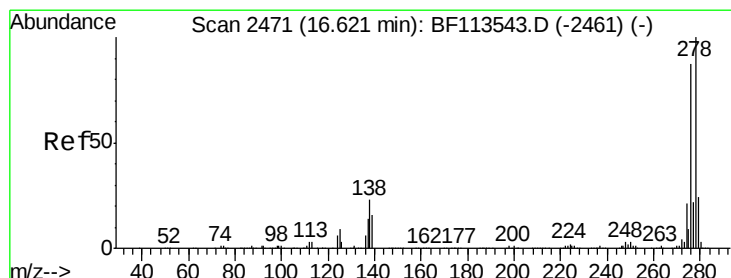
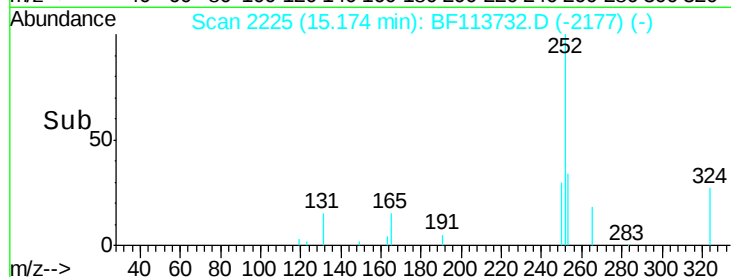
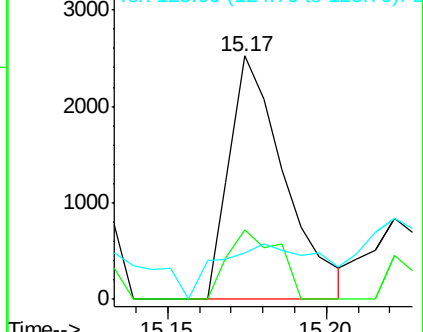
125 19.2 8.8 13.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.015 ng

RT: 16.60 min Scan# 2468

Delta R.T. -0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

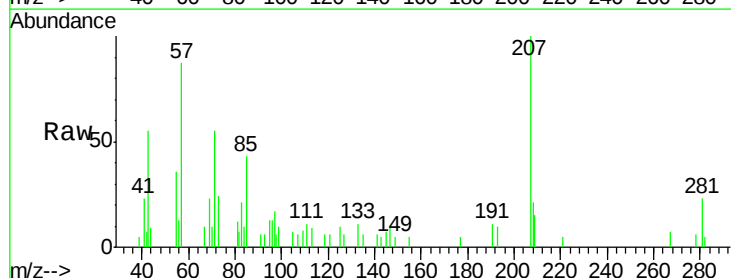
Tgt Ion:278 Resp: 237

Ion Ratio Lower Upper

278 100

139 0.0 12.0 18.0#

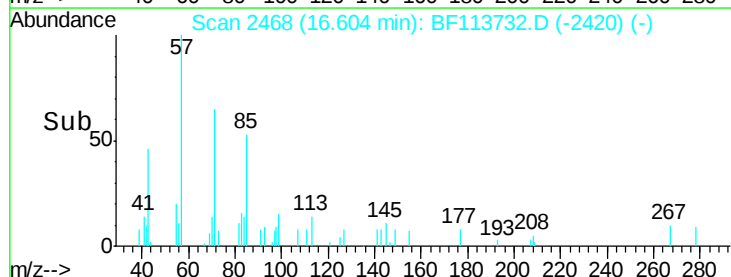
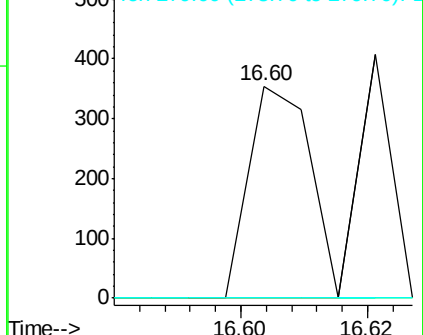
279 0.0 19.0 28.6#

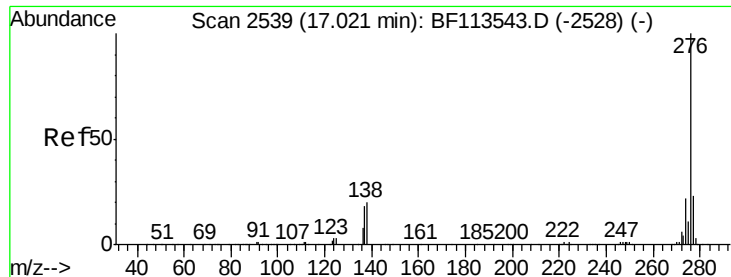


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 0.116 ng

RT: 17.04 min Scan# 2543

Delta R.T. 0.02 min

Lab File: BF113732.D

Acq: 11 Apr 2019 20:56

Instrument :

BNA_F

ClientSampleId :

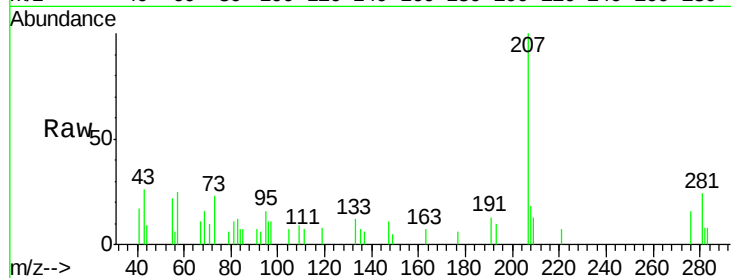
Tot Ion:276 Resp: 1859

Ion Ratio Lower Upper

276 100

277 0.0 18.8 28.2#

138 0.0 15.6 23.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

