

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
 Data File : BF113717.D
 Acq On : 11 Apr 2019 13:43
 Operator : JU/SJ
 Sample : K2355-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 00:58:34 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	116067	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	443754	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	214327	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	437489	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	333190	20.00	ng	-0.02
87) Perylene-d12	15.23	264	329927	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	556039	81.69	ng	-0.01
7) Phenol-d6	6.32	99	740194	88.23	ng	-0.02
23) Nitrobenzene-d5	7.24	82	435207	57.45	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	185783	72.16	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	807792	60.68	ng	-0.02
79) Terphenyl-d14	12.76	244	819897	50.10	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.39	88	207	0.064	ng	# 1
6) Aniline	6.45	93	838	0.082	ng	# 1
9) Benzaldehyde	6.32	77	785	0.157	ng	# 1
10) Phenol	6.33	94	3671	0.383	ng	# 1
11) bis(2-Chloroethyl)ether	6.45	93	838	0.112	ng	# 1
15) Benzyl Alcohol	6.83	79	6432	1.134	ng	# 46
19) n-Nitroso-di-n-propylamine	7.24	70	54195	10.476	ng	# 78
24) Nitrobenzene	7.24	77	784	0.100	ng	# 26
25) Isophorone	7.24	82	435734	29.858	ng	# 64
38) 1-Methylnaphthalene	9.03	142	143	0.010	ng	# 1
46) 1,1'-Biphenyl	9.14	154	1075	0.061	ng	# 90
48) 2-Nitroaniline	9.43	65	249	0.061	ng	# 1
50) Dimethylphthalate	9.43	163	55011	3.482	ng	# 100
51) 2,6-Dinitrotoluene	9.70	165	27137	7.792	ng	# 26
52) Acenaphthene	9.70	154	626	0.050	ng	# 5
57) 2,4-Dinitrotoluene	9.70	165	27137	6.443	ng	# 22
58) Fluorene	10.49	166	7105	0.491	ng	# 82
63) Azobenzene	10.49	77	509	0.035	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.50	198	115	0.050	ng	# 77
66) n-Nitrosodiphenylamine	10.49	169	4632	0.345	ng	# 33
67) 4-Bromophenyl-phenylether	10.49	248	10138	2.066	ng	# 1
71) Phenanthrene	11.21	178	438	0.020	ng	# 59
72) Anthracene	11.21	178	438	0.020	ng	# 60
74) Di-n-butylphthalate	11.75	149	650	0.026	ng	# 78
75) Fluoranthene	12.42	202	282	0.012	ng	# 64
77) Benzydine	12.76	184	9176	0.741	ng	# 95
78) Pyrene	12.65	202	831	0.033	ng	# 57
81) Benzo(a)anthracene	13.82	228	1499	0.078	ng	# 54
83) Chrysene	13.85	228	679	0.035	ng	# 49
84) Bis(2-ethylhexyl)phthalate	13.80	149	1182	0.095	ng	# 85
85) Di-n-octyl phthalate	14.40	149	862	0.043	ng	# 15
86) Indeno(1,2,3-cd)pyrene	16.63	276	1017	0.057	ng	# 62
88) Benzo(b)fluoranthene	14.86	252	2144	0.106	ng	# 51
89) Benzo(k)fluoranthene	14.86	252	2144	0.118	ng	# 50

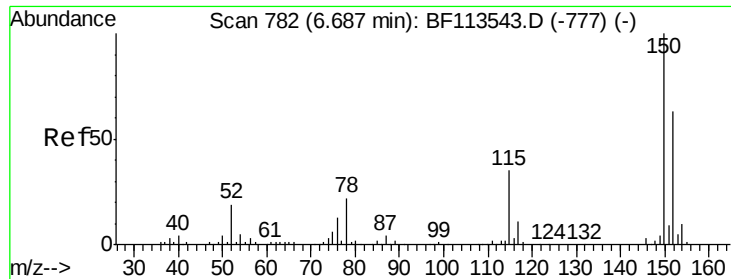
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113717.D
Acq On : 11 Apr 2019 13:43
Operator : JU/SJ
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QLast Update : Thu Apr 04 04:05:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	15.18	252	953	0.053	ng	# 52
91) Dibenzo(a,h)anthracene	16.62	278	450	0.027	ng	# 56
92) Benzo(g,h,i)perylene	17.05	276	1075	0.063	ng	# 54

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

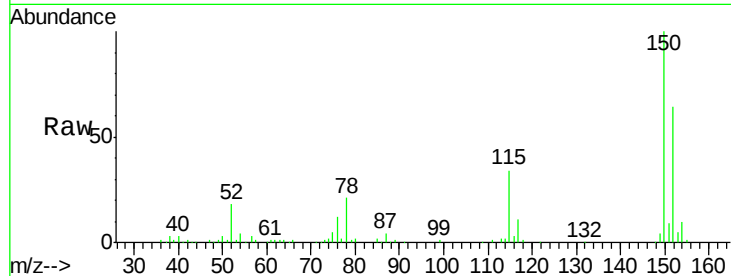


#1

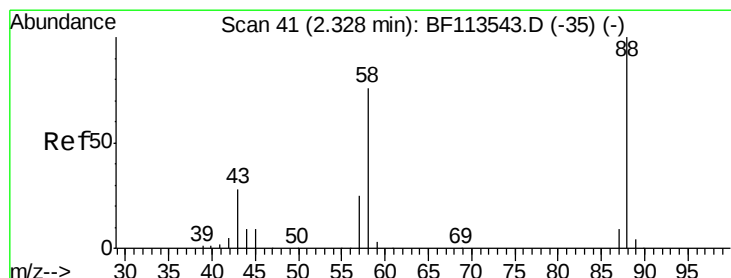
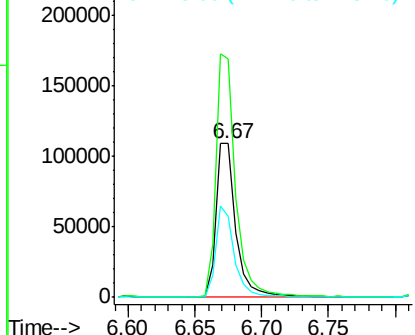
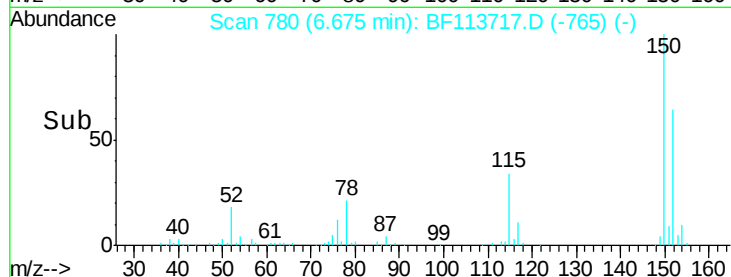
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113717.D
Acq: 11 Apr 2019 13:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116067
Ion Ratio Lower Upper
152 100
150 155.4 124.7 187.1
115 52.6 46.0 69.0



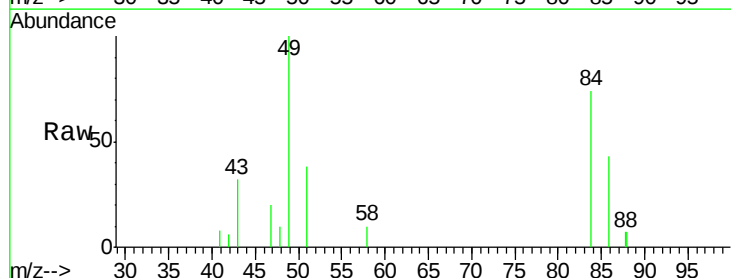
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



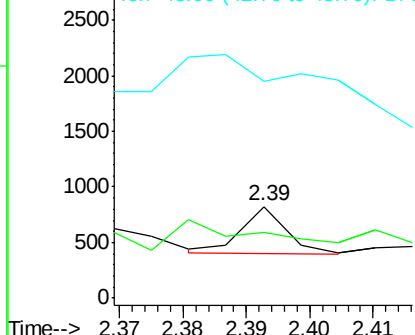
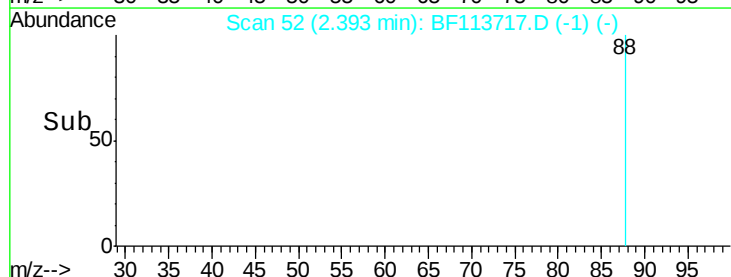
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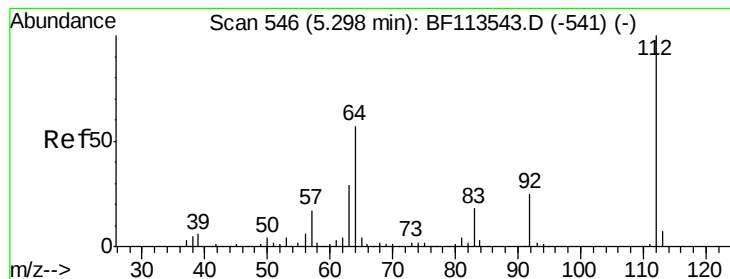
1,4-Dioxane
Concen: 0.064 ng
RT: 2.39 min Scan# 52
Delta R.T. 0.06 min
Lab File: BF113717.D
Acq: 11 Apr 2019 13:43

Tgt Ion: 88 Resp: 207
Ion Ratio Lower Upper
88 100
58 127.1 61.9 92.9#
43 478.3 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: 81.692 ng

RT: 5.29 min Scan# 544

Delta R.T. -0.01 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampled :

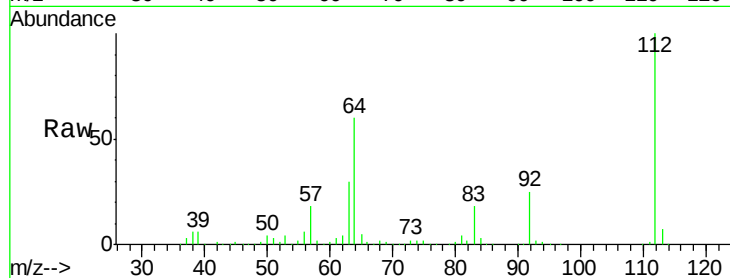
Tot Ion:112 Resp: 556039

Ion Ratio Lower Upper

112 100

64 59.8 49.2 73.8

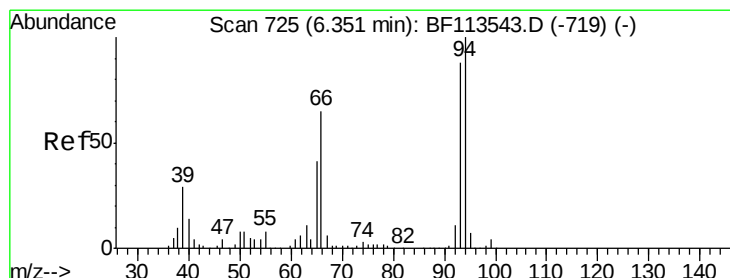
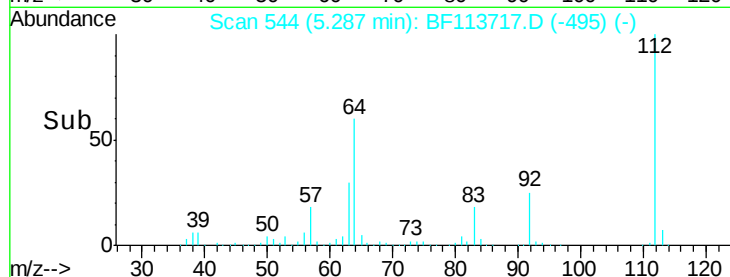
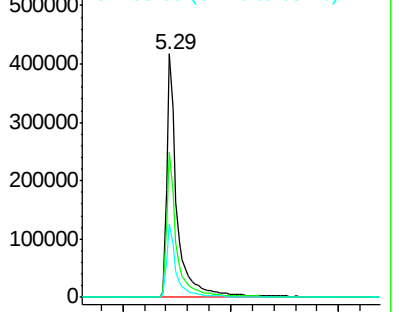
63 30.1 24.9 37.3



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: 0.082 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.09 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

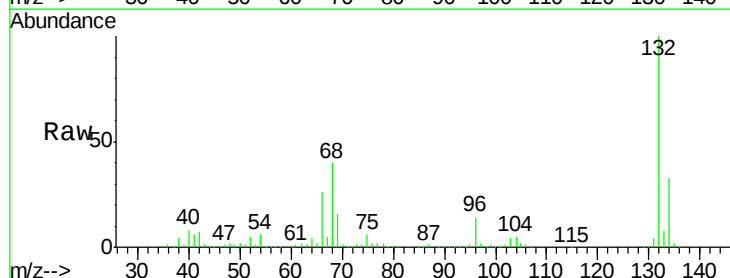
Tgt Ion: 93 Resp: 838

Ion Ratio Lower Upper

93 100

66 16478.5 62.1 93.1#

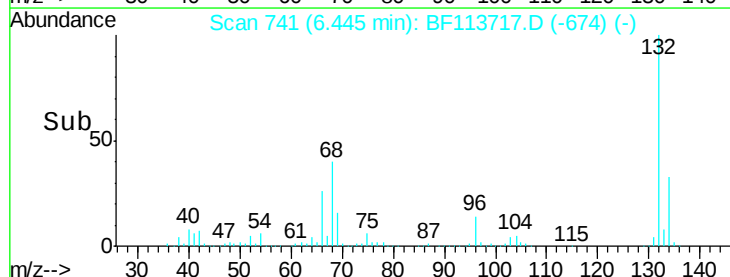
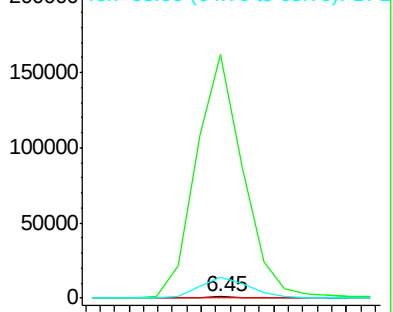
65 1450.6 38.7 58.1#

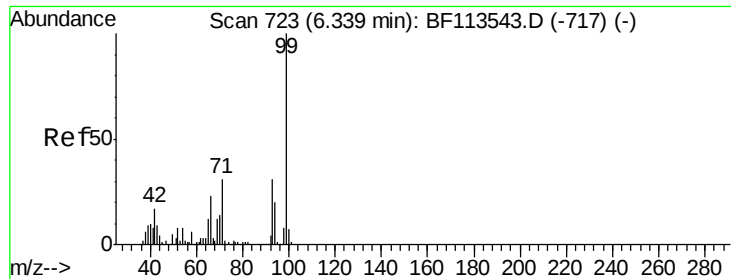


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 88.233 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampleId :

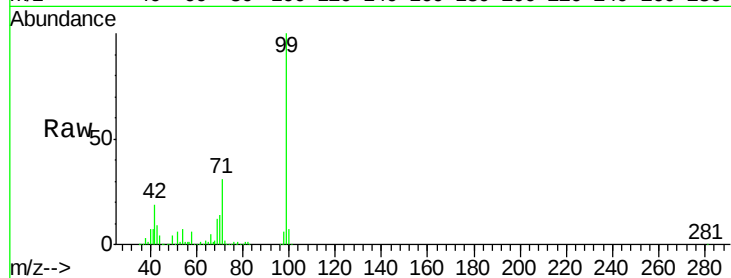
Tot Ion: 99 Resp: 740194

Ion Ratio Lower Upper

99 100

42 18.7 14.8 22.2

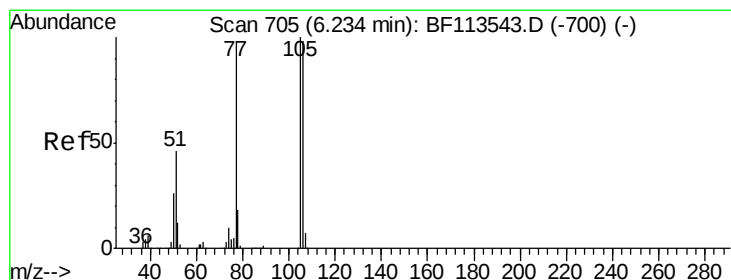
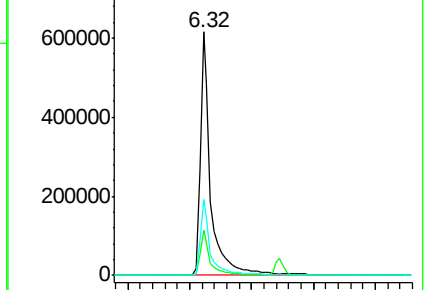
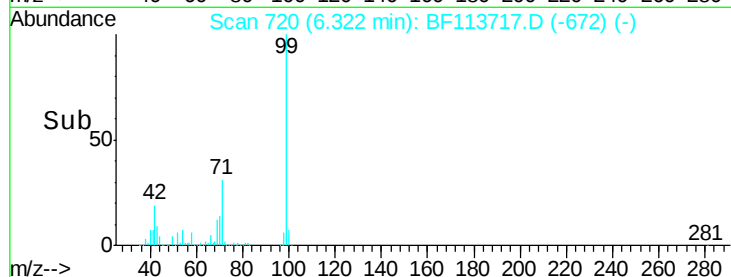
71 31.3 24.9 37.3



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



#9

Benzaldehyde

Concen: 0.157 ng

RT: 6.32 min Scan# 720

Delta R.T. 0.09 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

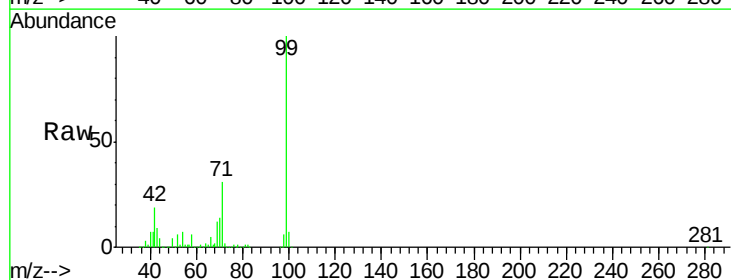
Tgt Ion: 77 Resp: 785

Ion Ratio Lower Upper

77 100

105 0.0 80.9 120.9#

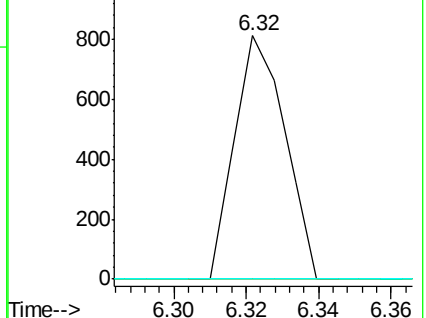
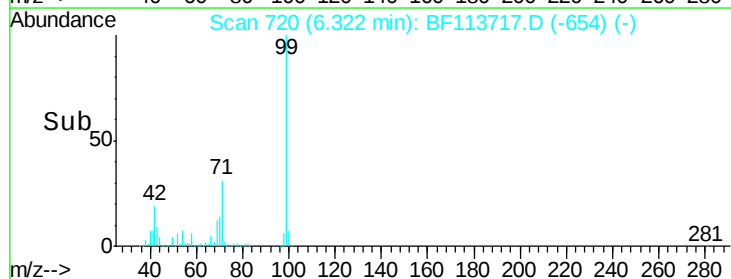
106 0.0 77.8 117.8#

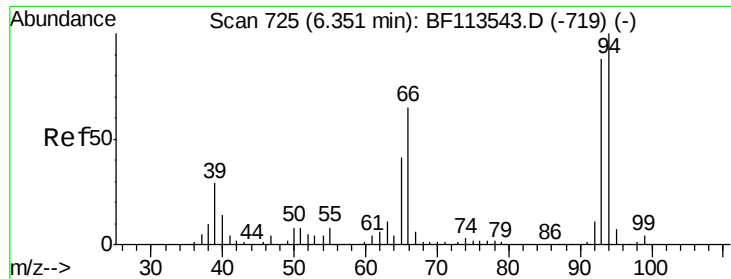


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

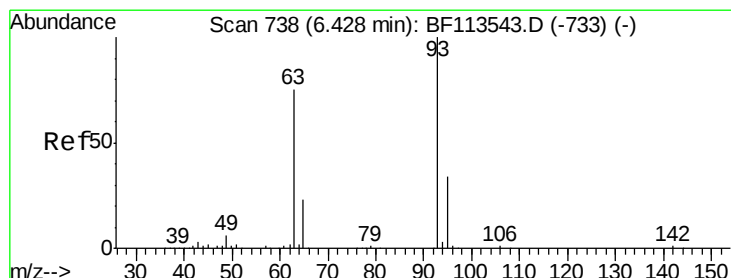
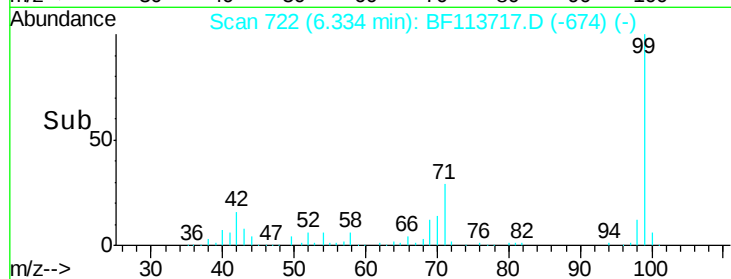
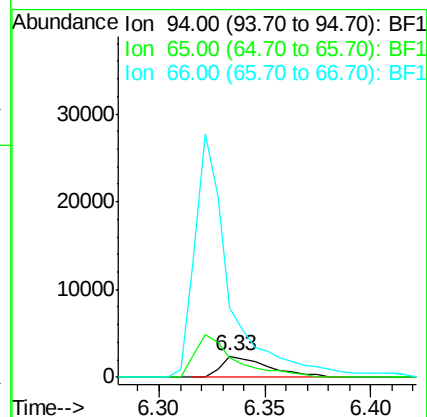
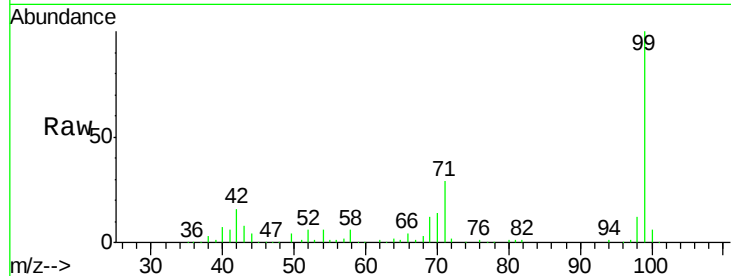




#10
Phenol
Concen: 0.383 ng
RT: 6.33 min Scan# 722
Delta R.T. -0.02 min
Lab File: BF113717.D
Acq: 11 Apr 2019 13:43

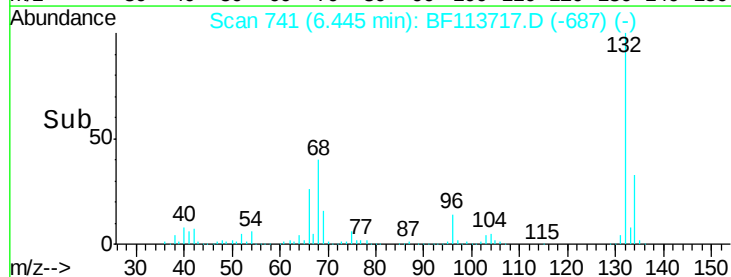
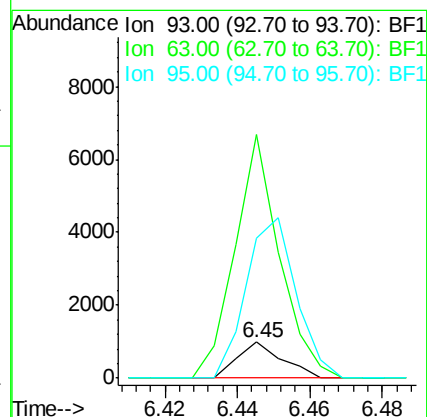
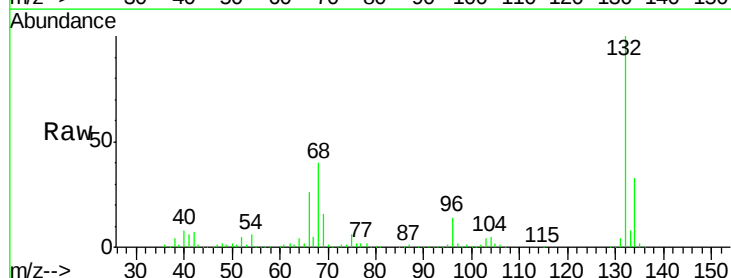
Instrument :
BNA_F
ClientSampleId :

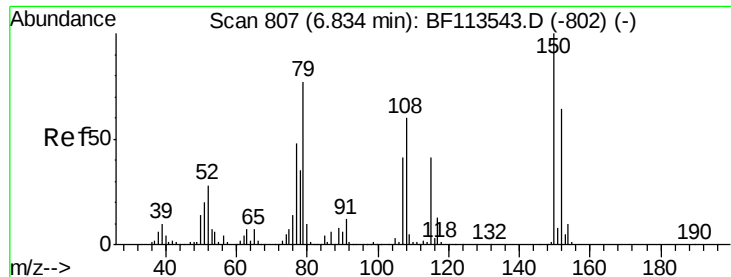
Tot Ion: 94 Resp: 3671
Ion Ratio Lower Upper
94 100
65 93.7 21.4 61.4#
66 323.2 46.4 86.4#



#11
bis(2-Chloroethyl)ether
Concen: 0.112 ng
RT: 6.45 min Scan# 741
Delta R.T. 0.02 min
Lab File: BF113717.D
Acq: 11 Apr 2019 13:43

Tgt Ion: 93 Resp: 838
Ion Ratio Lower Upper
93 100
63 679.7 56.1 96.1#
95 390.4 12.8 52.8#





#15

Benzyl Alcohol

Concen: 1.134 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampled :

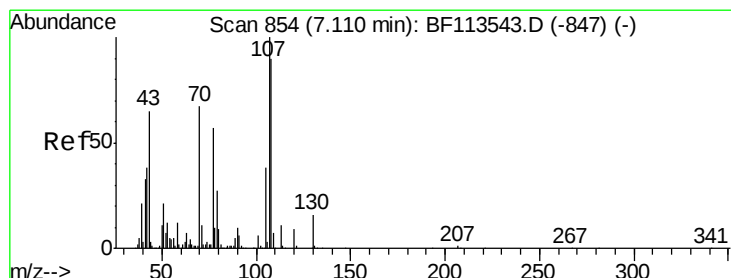
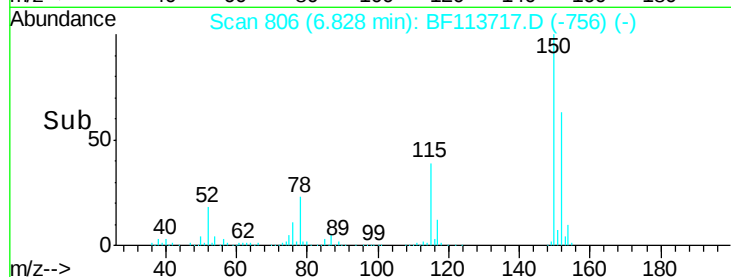
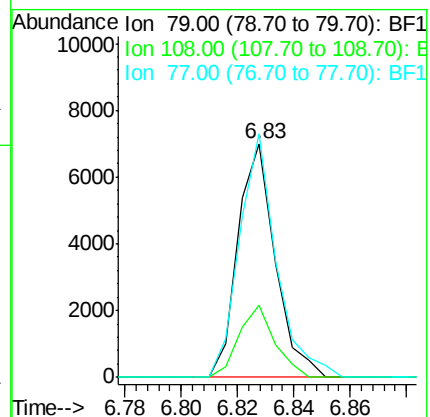
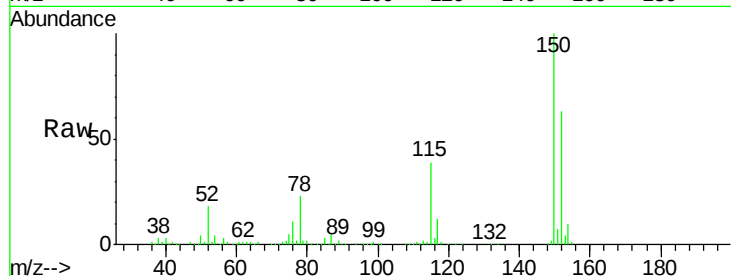
Tot Ion: 79 Resp: 6432

Ion Ratio Lower Upper

79 100

108 31.1 62.0 93.0#

77 104.3 49.9 74.9#



#19

n-Nitroso-di-n-propylamine

Concen: 10.476 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Tgt Ion: 70 Resp: 54195

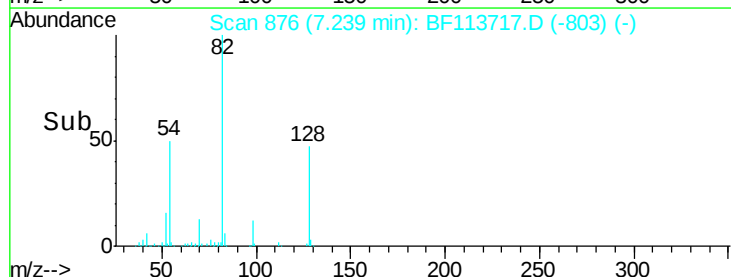
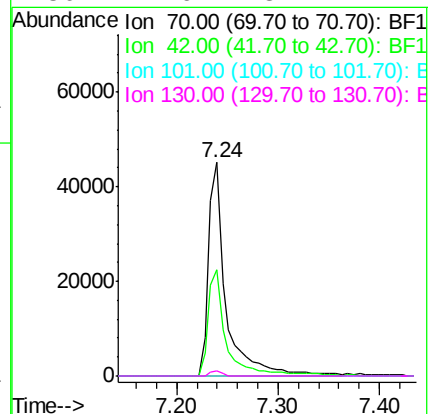
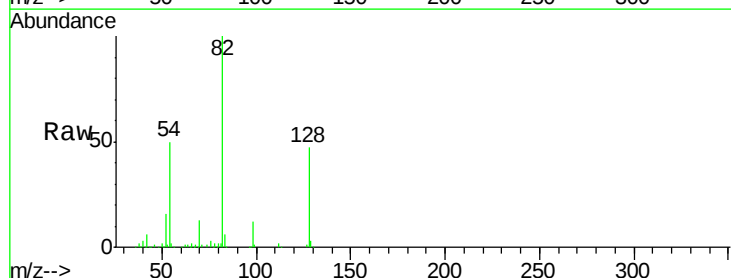
Ion Ratio Lower Upper

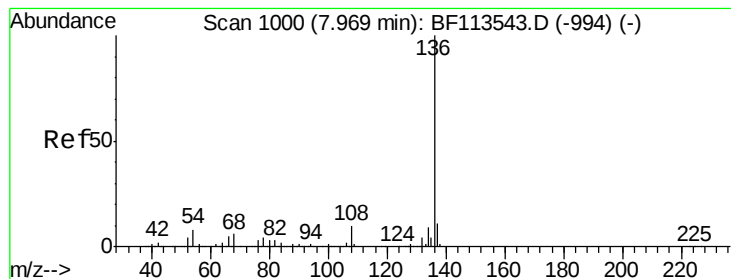
70 100

42 49.7 48.4 72.6

101 0.0 7.8 11.8#

130 2.6 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 443754

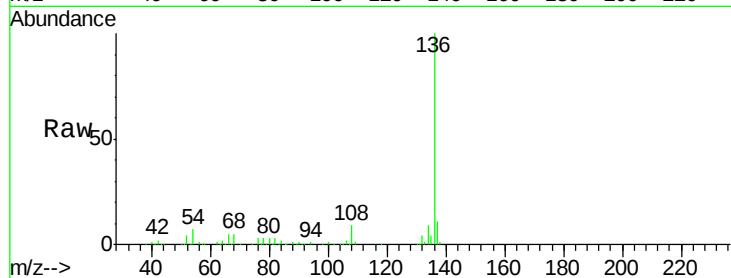
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.2 7.0 10.6

68 5.1 4.8 7.2

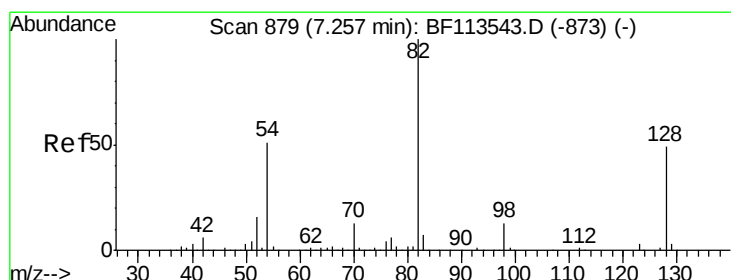
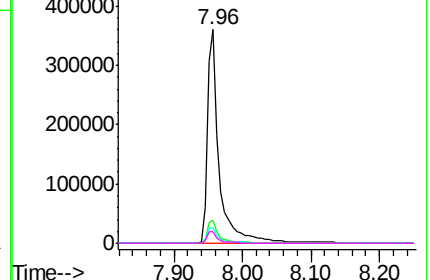
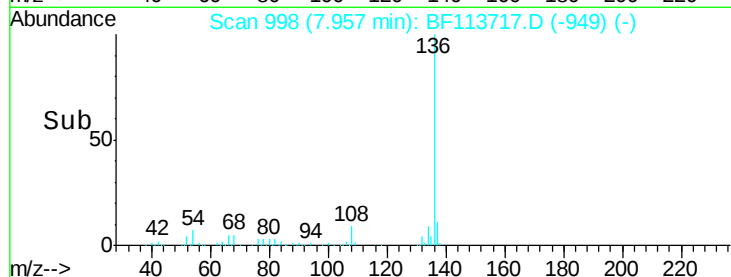


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 57.447 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

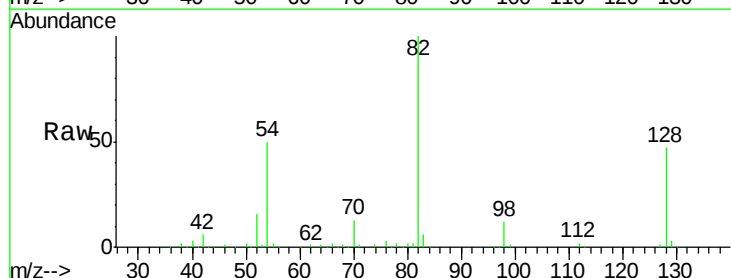
Tgt Ion: 82 Resp: 435207

Ion Ratio Lower Upper

82 100

128 47.0 36.5 54.7

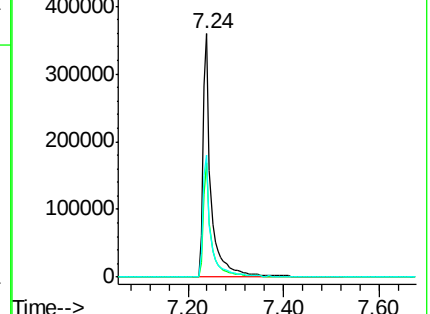
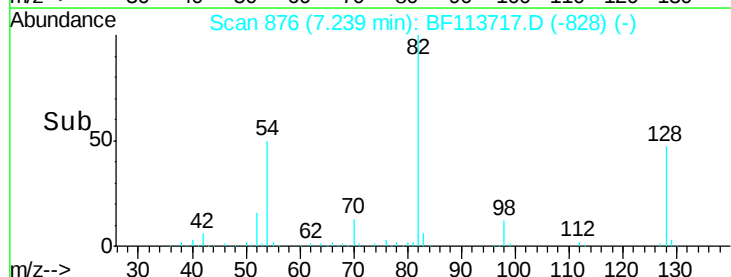
54 49.9 42.2 63.2

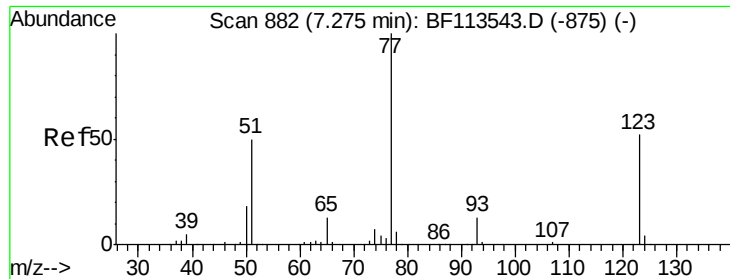


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 0.100 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.04 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampled :

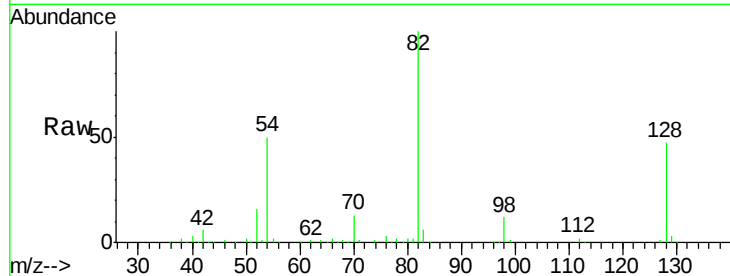
Tot Ion: 77 Resp: 784

Ion Ratio Lower Upper

77 100

123 0.0 40.8 61.2#

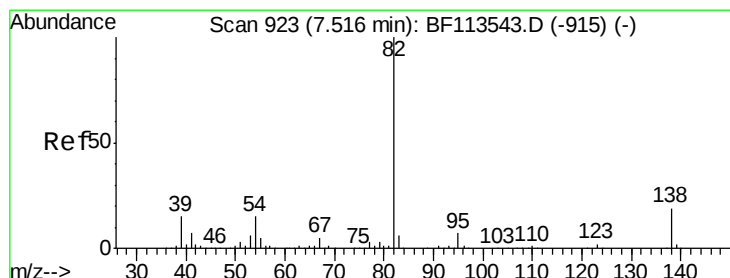
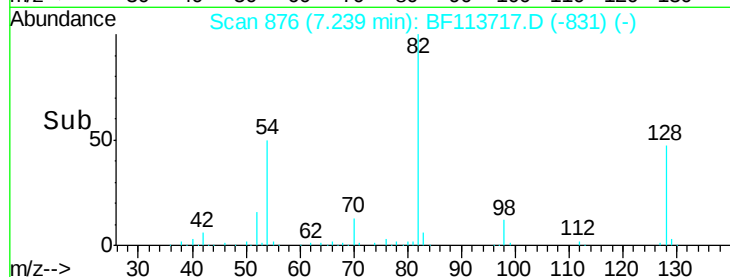
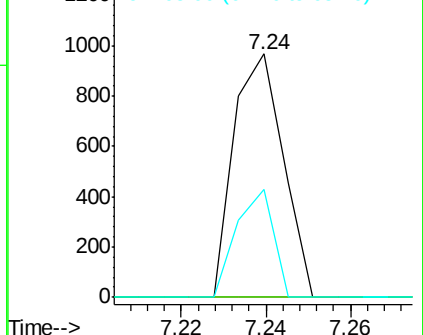
65 44.4 10.6 16.0#



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: 29.858 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

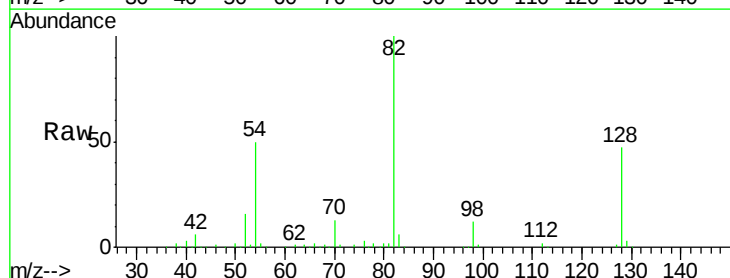
Tgt Ion: 82 Resp: 435734

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

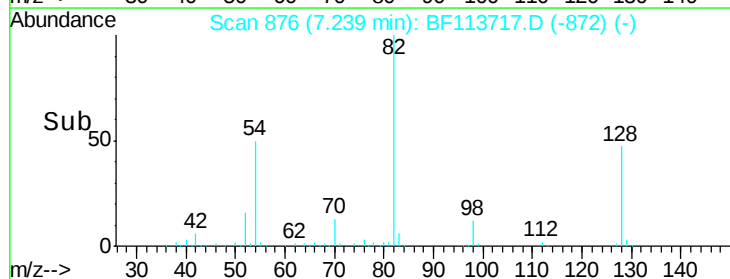
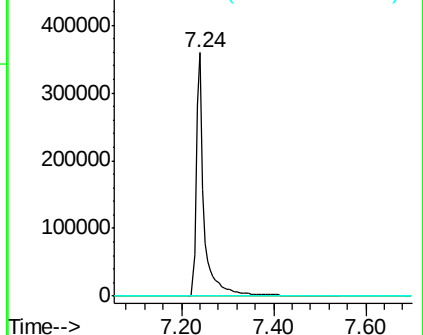
138 0.0 15.2 22.8#

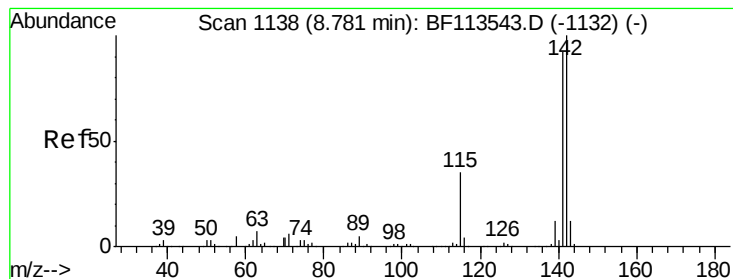


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#38

1-Methylnaphthalene

Concen: 0.010 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.25 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampleId :

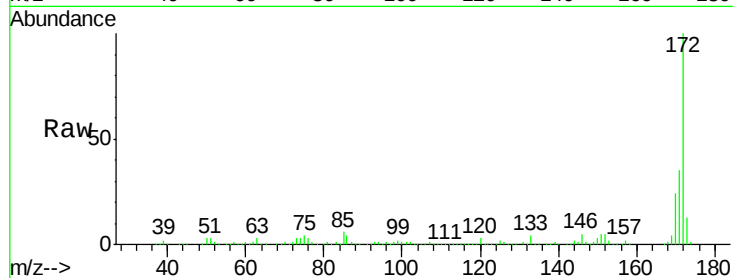
Tot Ion:142 Resp: 143

Ion Ratio Lower Upper

142 100

141 0.0 73.2 109.8#

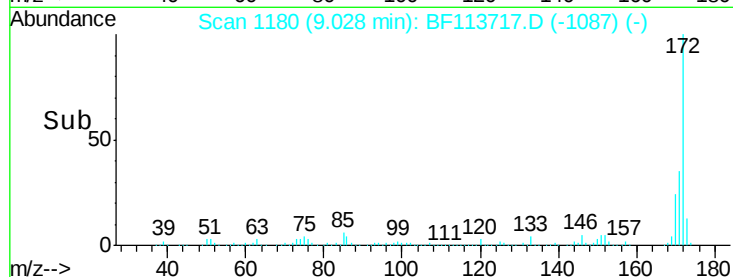
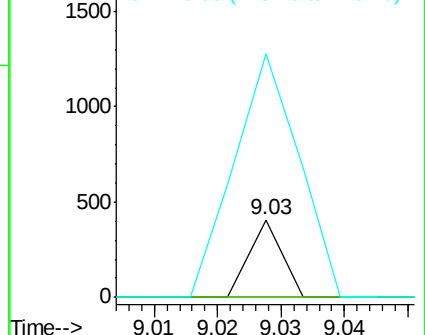
116 314.8 3.0 4.4#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

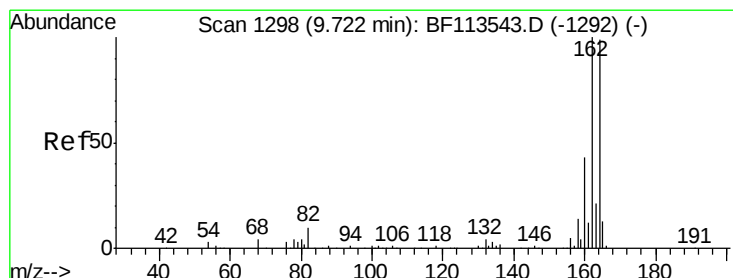
Tgt Ion:164 Resp: 214327

Ion Ratio Lower Upper

164 100

162 101.3 81.8 122.6

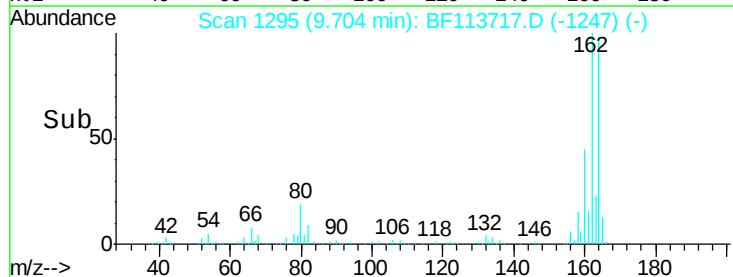
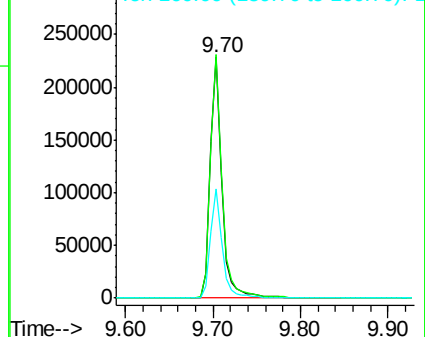
160 45.3 36.4 54.6

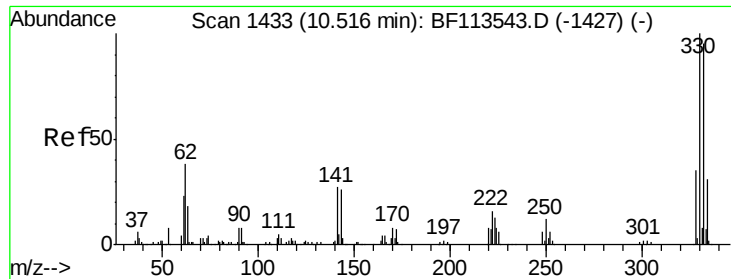


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 72.160 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampleId :

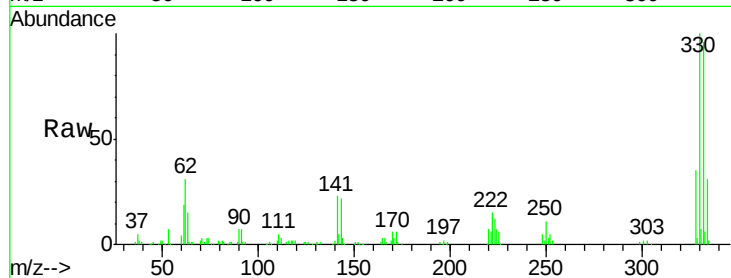
Tot Ion:330 Resp: 185783

Ion Ratio Lower Upper

330 100

332 95.6 77.8 116.6

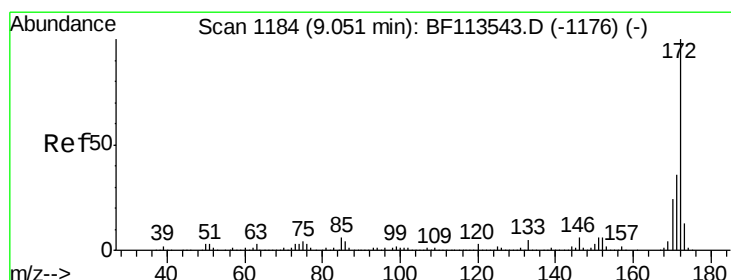
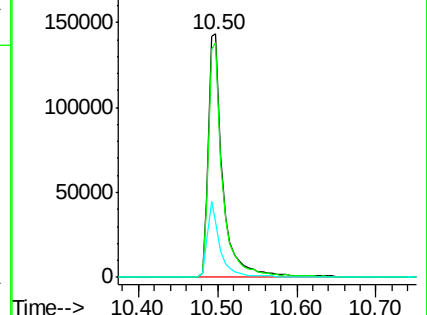
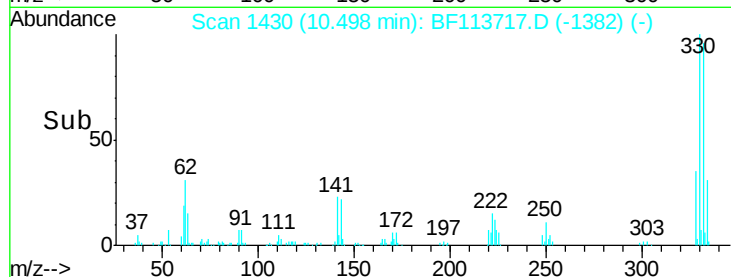
141 27.8 22.7 34.1



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: 60.676 ng

RT: 9.03 min Scan# 1180

Delta R.T. -0.02 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

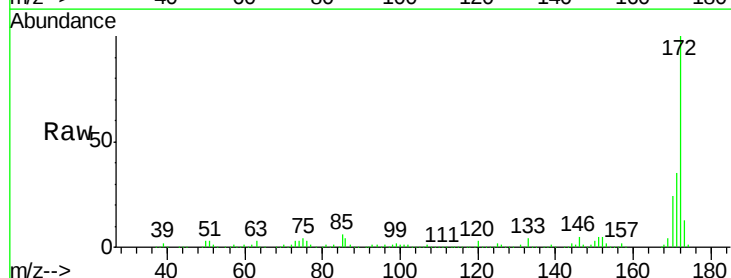
Tgt Ion:172 Resp: 807792

Ion Ratio Lower Upper

172 100

171 34.9 29.0 43.6

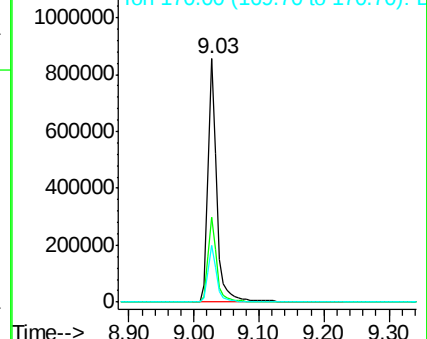
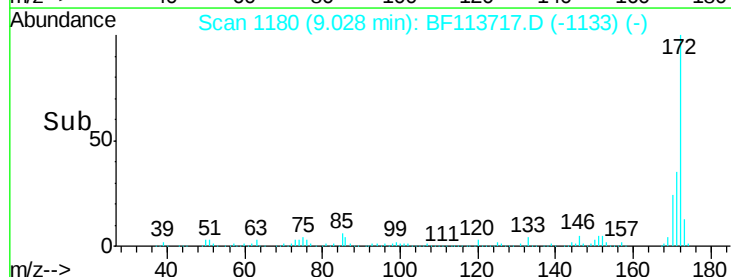
170 23.5 19.5 29.3

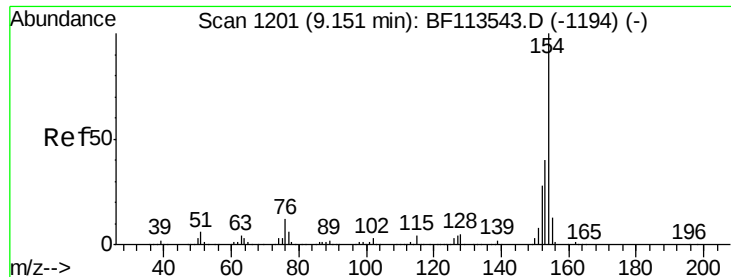


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

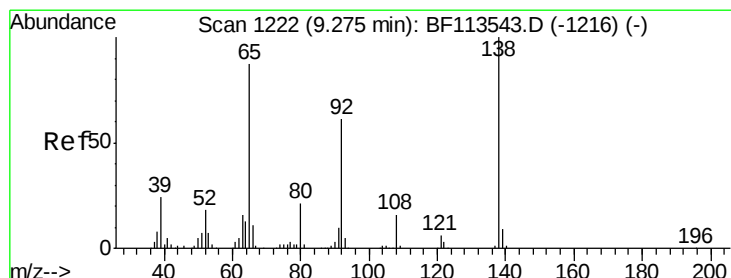
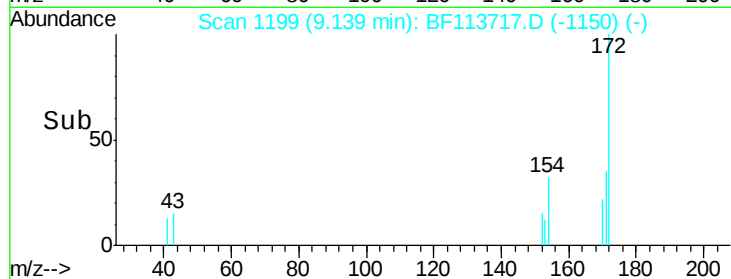
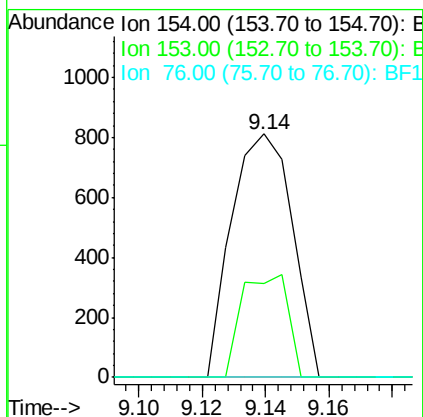
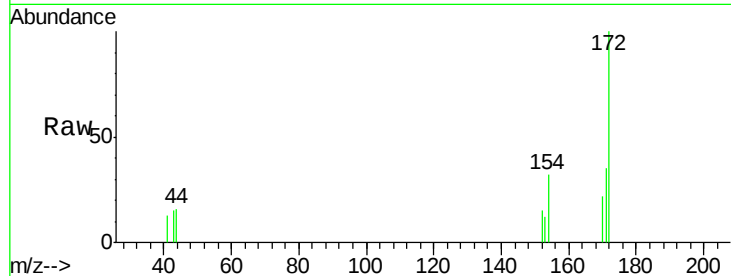




#46
1,1'-Biphenyl
Concen: 0.061 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF113717.D
Acq: 11 Apr 2019 13:43

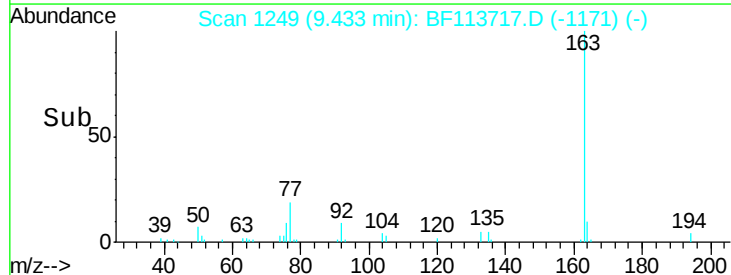
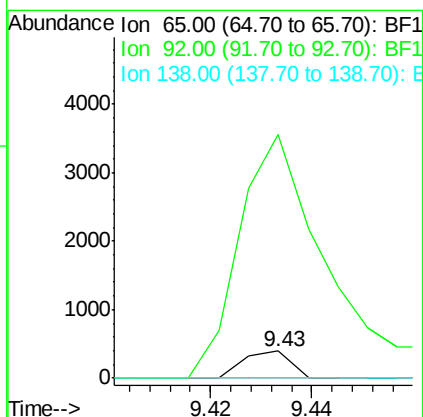
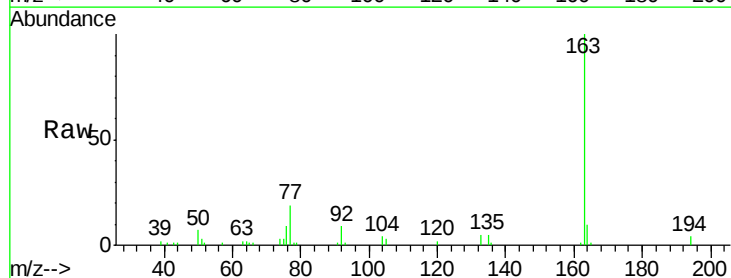
Instrument :
BNA_F
ClientSampled :

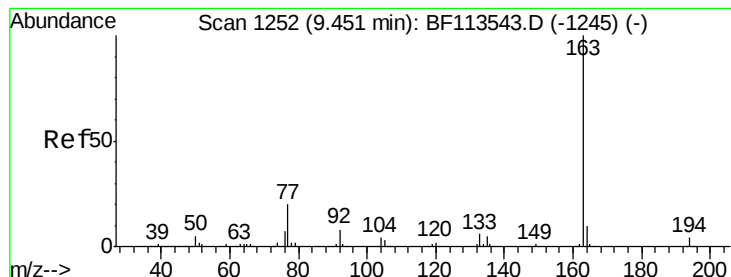
Tot Ion:154 Resp: 1075
Ion Ratio Lower Upper
154 100
153 38.5 20.8 60.8
76 0.0 0.0 31.9



#48
2-Nitroaniline
Concen: 0.061 ng
RT: 9.43 min Scan# 1249
Delta R.T. 0.16 min
Lab File: BF113717.D
Acq: 11 Apr 2019 13:43

Tgt Ion: 65 Resp: 249
Ion Ratio Lower Upper
65 100
92 910.0 56.8 85.2#
138 0.0 92.3 138.5#





#50

Dimethylphthalate

Concen: 3.482 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampleId :

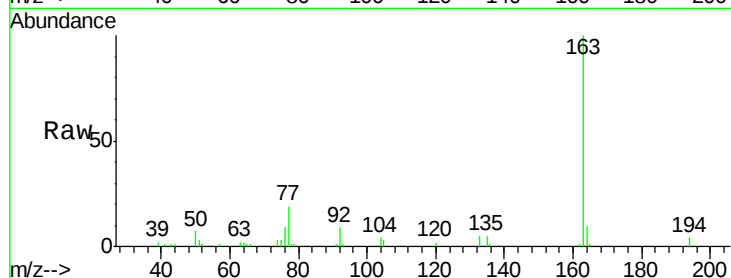
Tot Ion:163 Resp: 55011

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.6

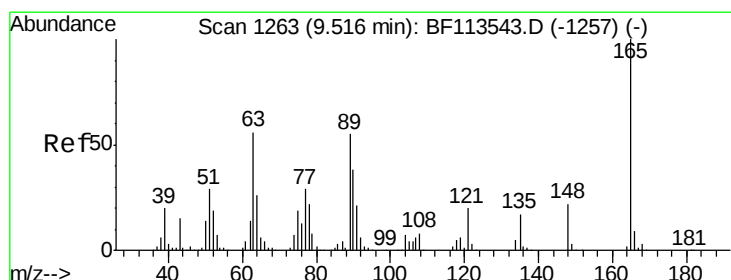
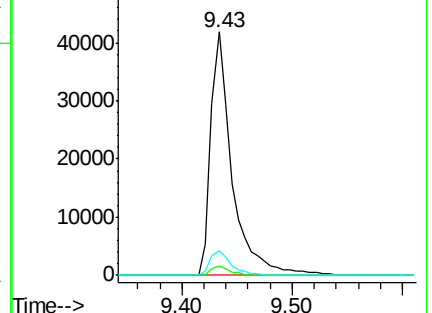
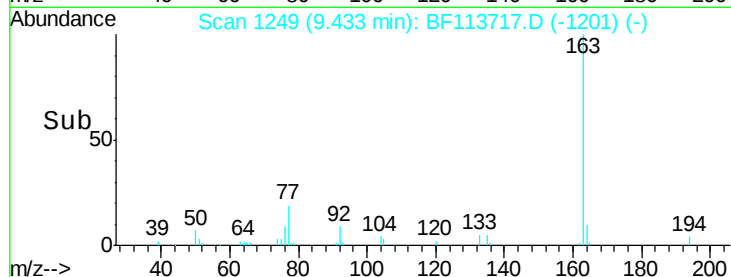
164 10.0 8.1 12.1



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: 7.792 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.19 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

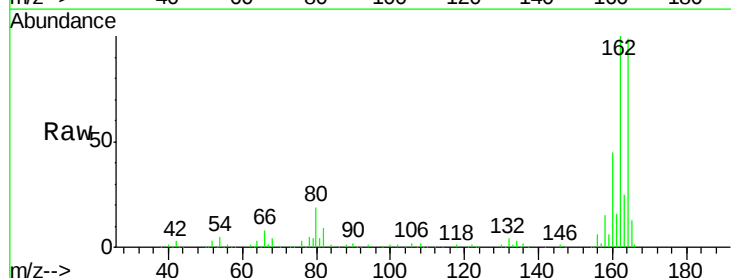
Tgt Ion:165 Resp: 27137

Ion Ratio Lower Upper

165 100

63 1.3 43.4 65.0#

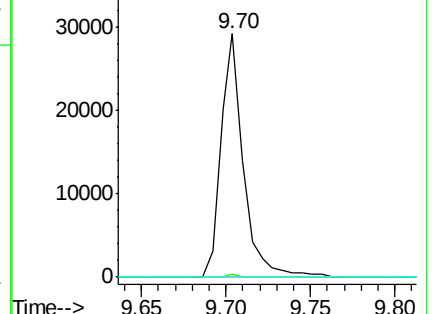
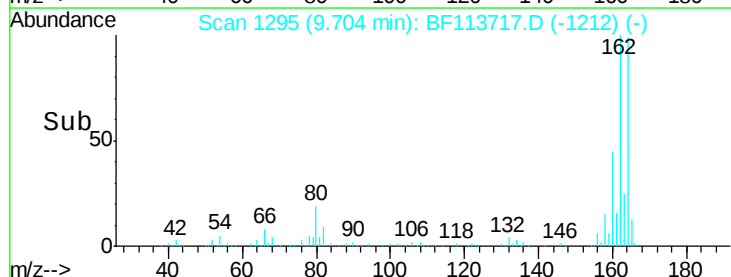
89 0.0 43.1 64.7#

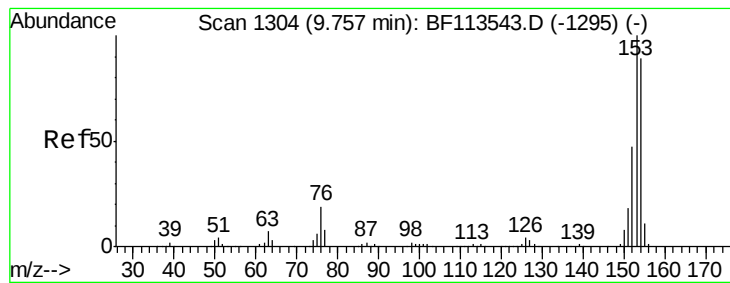


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.050 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.05 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampleId :

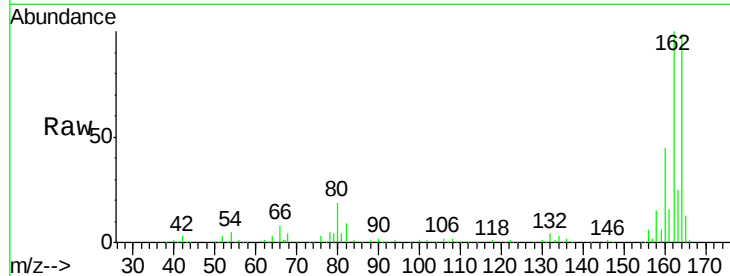
Tot Ion:154 Resp: 626

Ion Ratio Lower Upper

154 100

153 0.0 89.5 134.3#

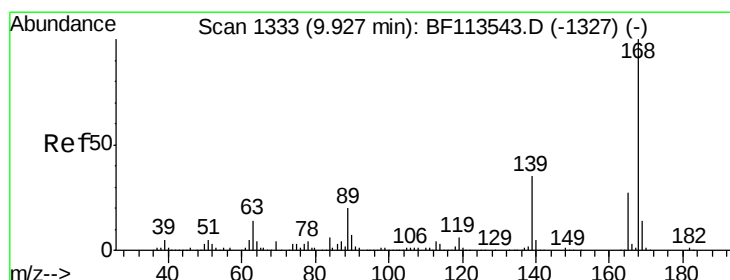
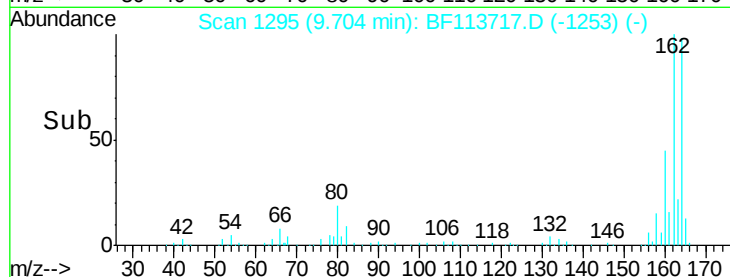
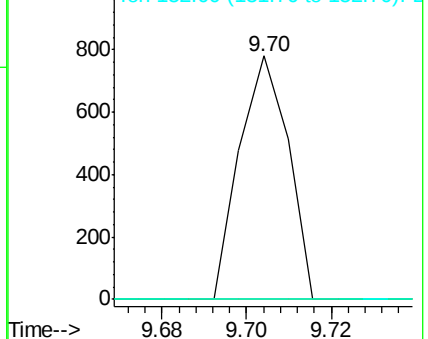
152 0.0 43.3 64.9#



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



#57

2,4-Dinitrotoluene

Concen: 6.443 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.22 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Tgt Ion:165 Resp: 27137

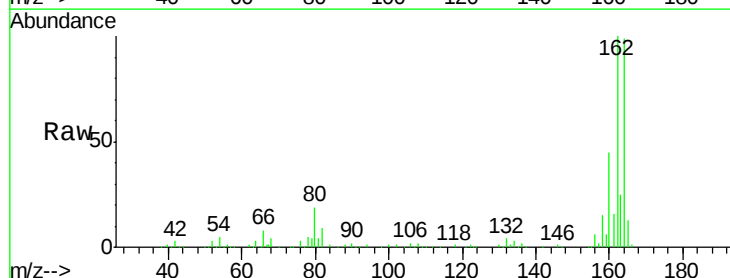
Ion Ratio Lower Upper

165 100

63 1.3 37.5 56.3#

89 0.0 57.4 86.2#

182 0.0 2.0 3.0#

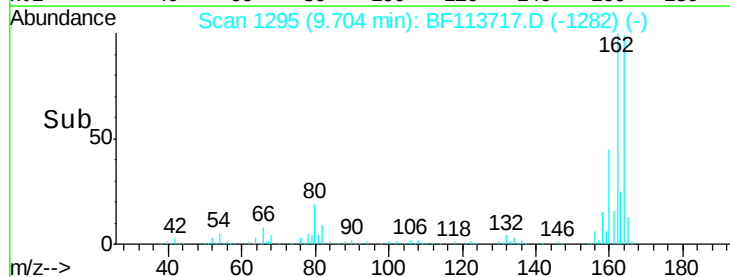
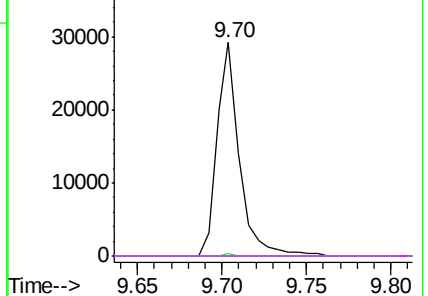


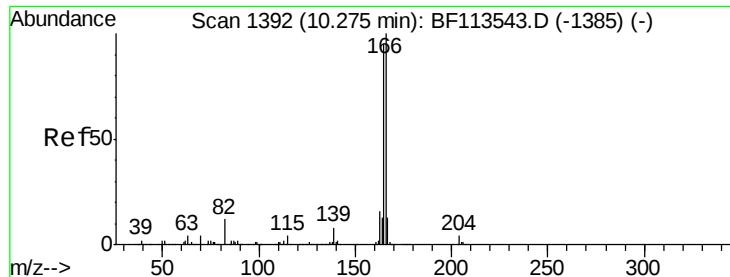
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 0.491 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.22 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampleId :

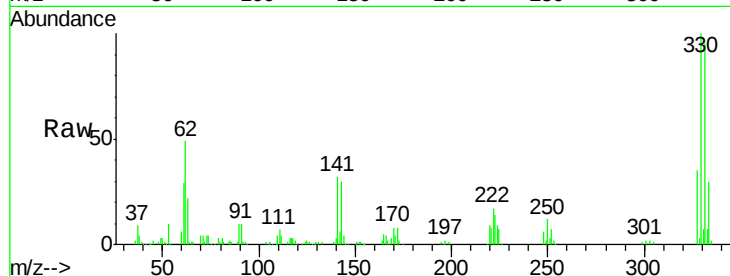
Tot Ion:166 Resp: 7105

Ion Ratio Lower Upper

166 100

165 105.1 76.2 114.2

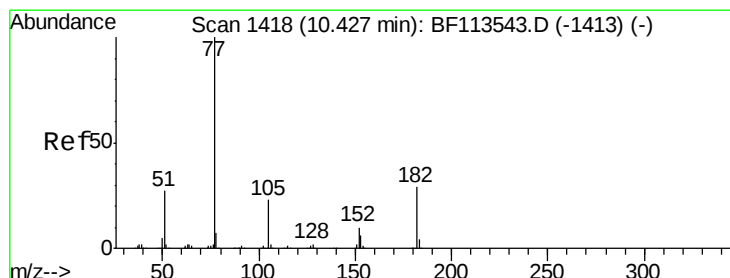
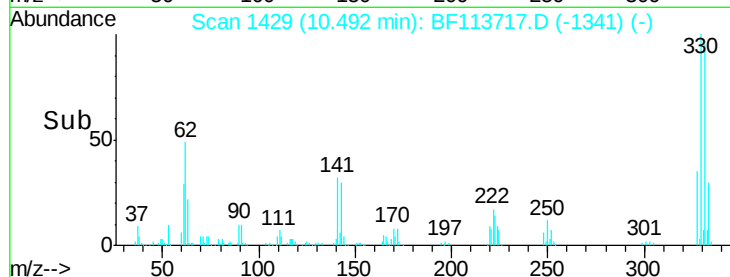
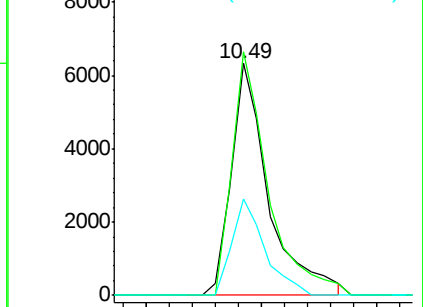
167 41.5 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Azobenzene

Concen: 0.035 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.06 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Tgt Ion: 77 Resp: 509

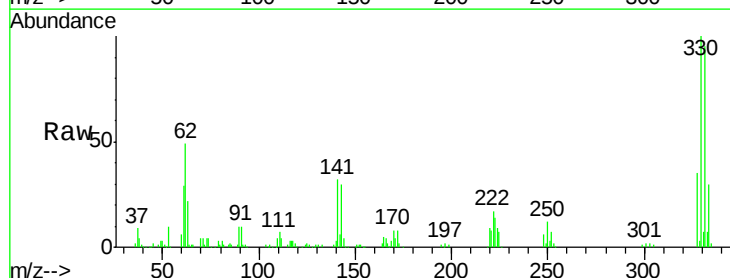
Ion Ratio Lower Upper

77 100

182 0.0 8.7 48.7#

105 108.2 2.9 42.9#

51 128.0 8.8 48.8#

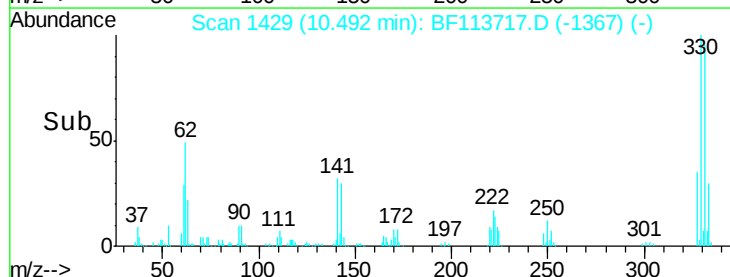
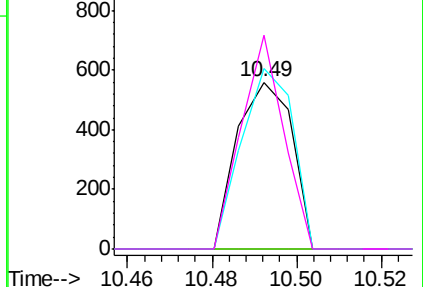


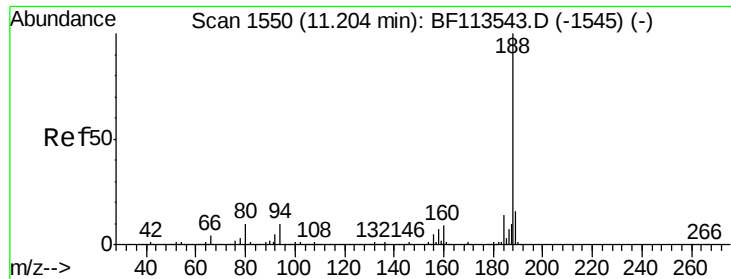
Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampled :

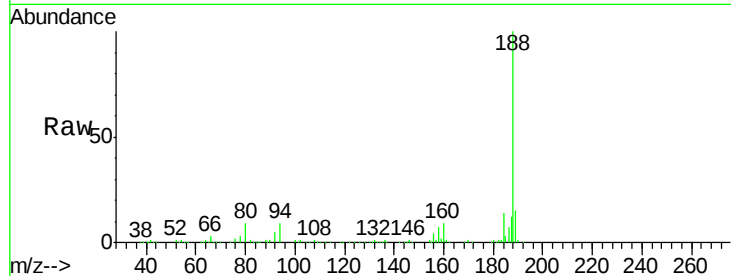
Tot Ion:188 Resp: 437489

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

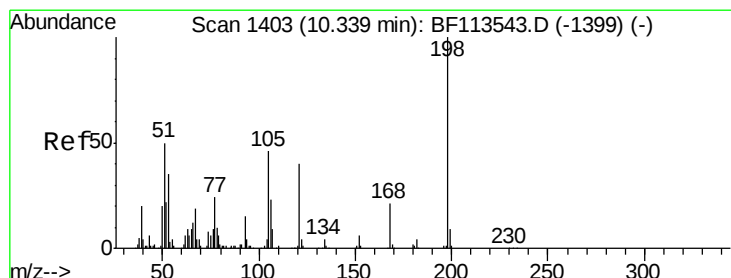
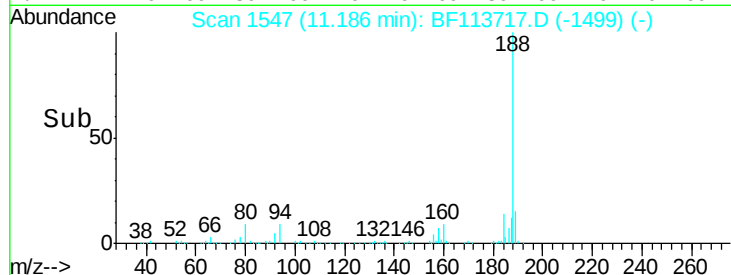
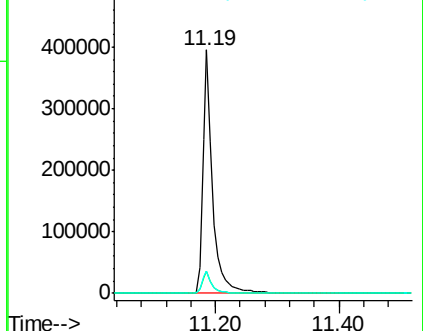
80 9.0 7.7 11.5



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: 0.050 ng

RT: 10.50 min Scan# 1430

Delta R.T. 0.16 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

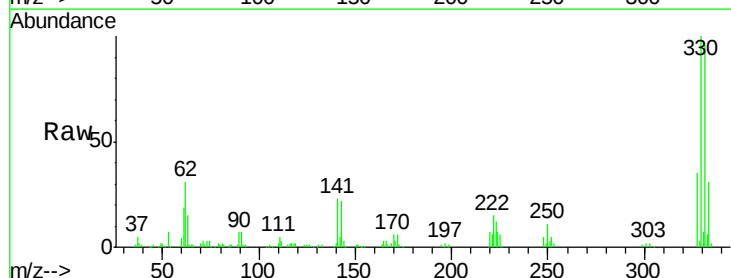
Tgt Ion:198 Resp: 115

Ion Ratio Lower Upper

198 100

51 20.7 21.6 61.6#

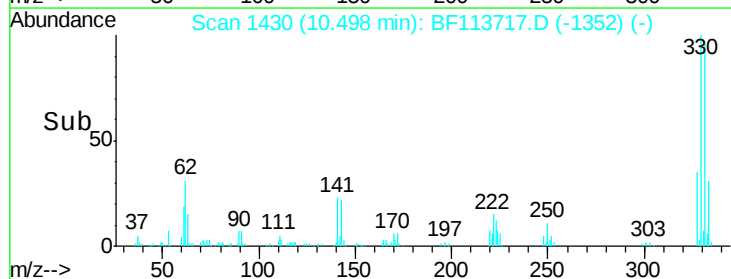
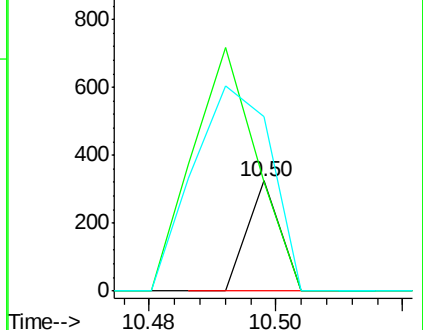
105 33.0 20.6 60.6

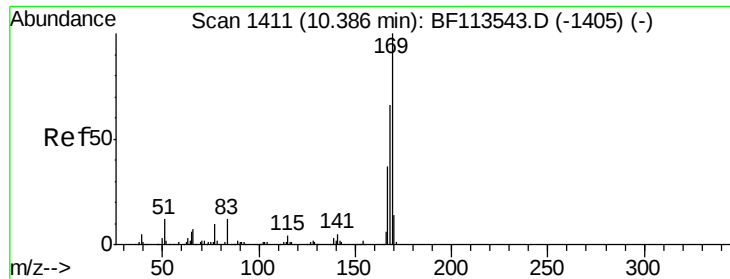


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

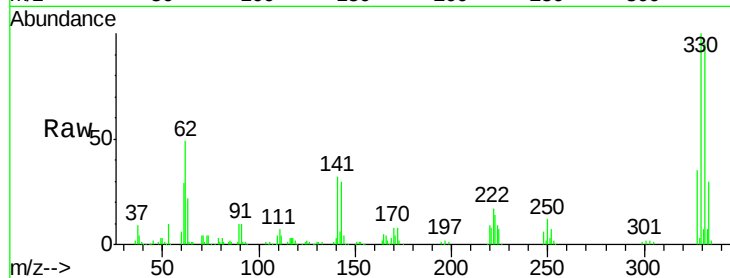




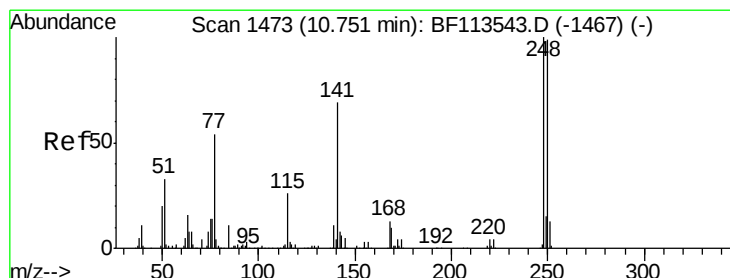
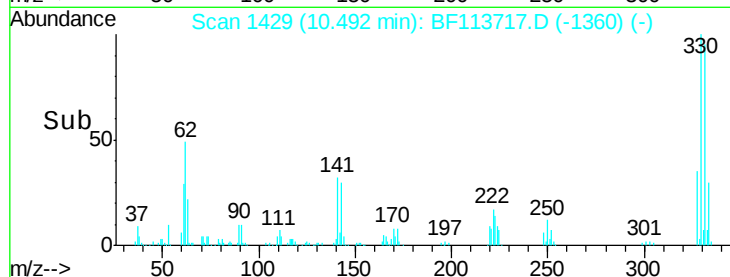
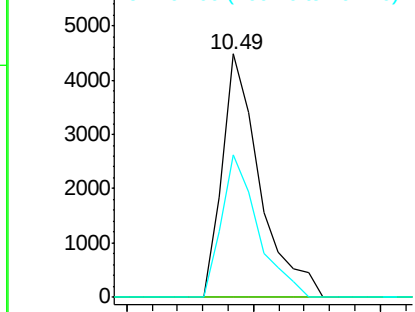
#66
 n-Nitrosodiphenylamine
 Concen: 0.345 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.11 min
 Lab File: BF113717.D
 Acq: 11 Apr 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 4632
 Ion Ratio Lower Upper
 169 100
 168 0.0 53.7 80.5#
 167 58.5 29.5 44.3#

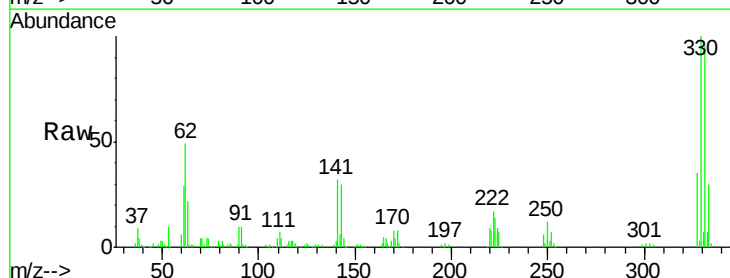


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

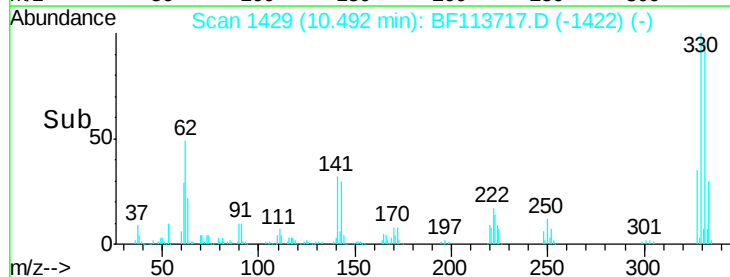
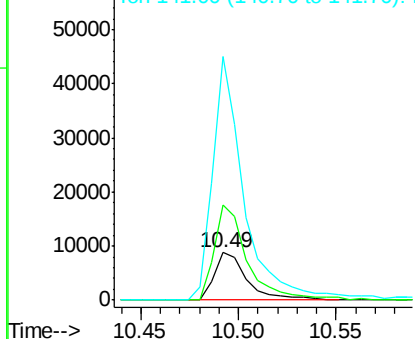


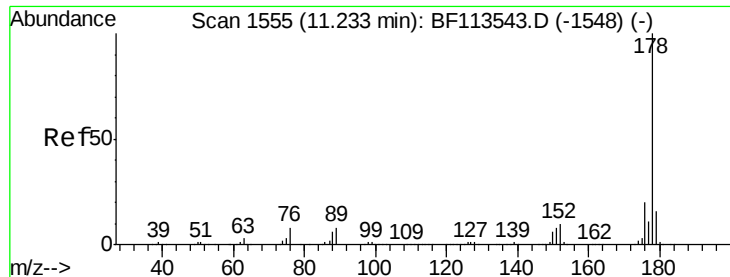
#67
 4-Bromophenyl-phenylether
 Concen: 2.066 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.26 min
 Lab File: BF113717.D
 Acq: 11 Apr 2019 13:43

Tgt Ion:248 Resp: 10138
 Ion Ratio Lower Upper
 248 100
 250 200.0 78.3 117.5#
 141 511.1 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: 0.020 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.02 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampleId :

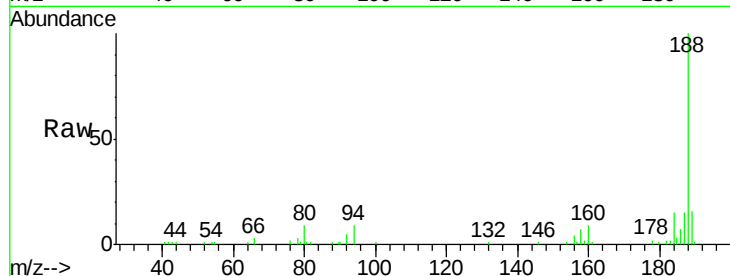
Tot Ion:178 Resp: 438

Ion Ratio Lower Upper

178 100

176 0.0 16.2 24.2#

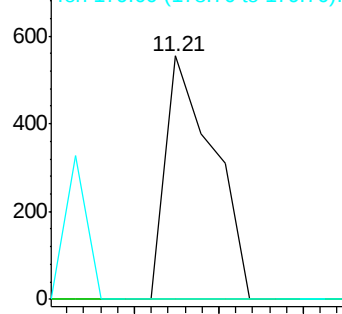
179 0.0 12.7 19.1#



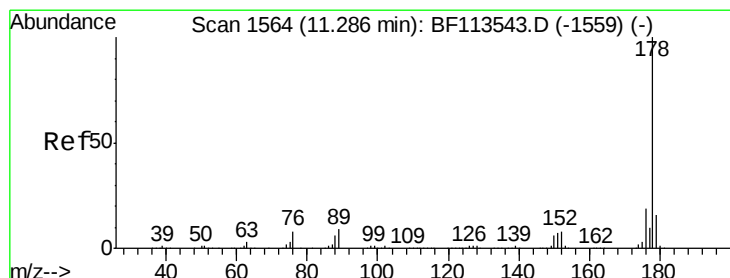
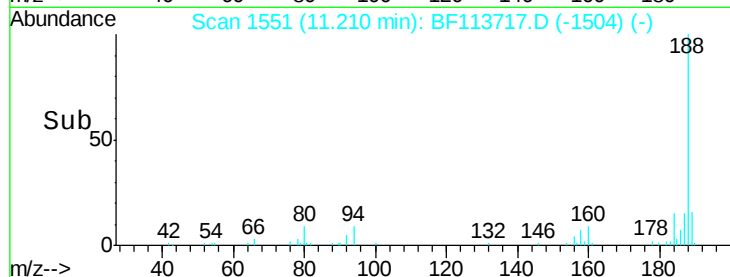
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Anthracene

Concen: 0.020 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.08 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

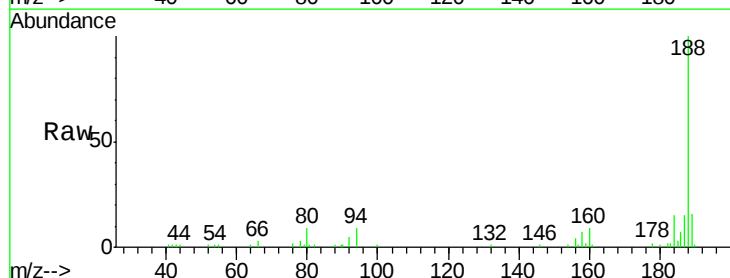
Tgt Ion:178 Resp: 438

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

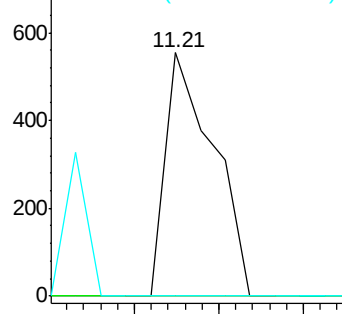
179 0.0 12.8 19.2#



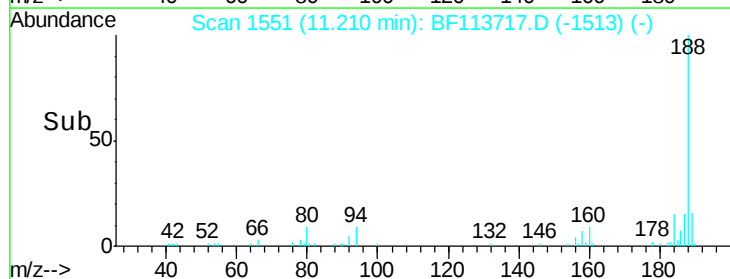
Abundance Ion 178.00 (177.70 to 178.70): E

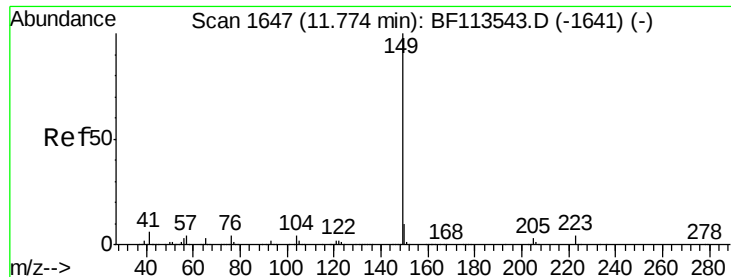
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Di-n-butylphthalate

Concen: 0.026 ng

RT: 11.75 min Scan# 1643

Delta R.T. -0.02 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampleId :

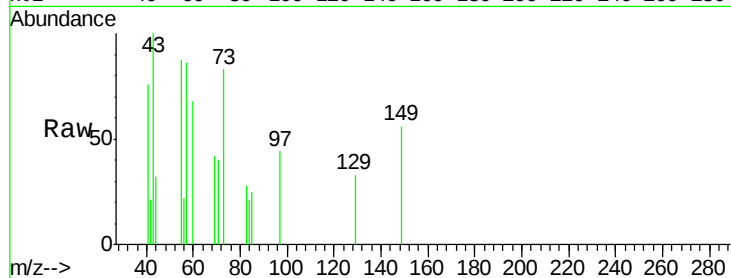
Tot Ion:149 Resp: 650

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

104 0.0 3.7 5.5#

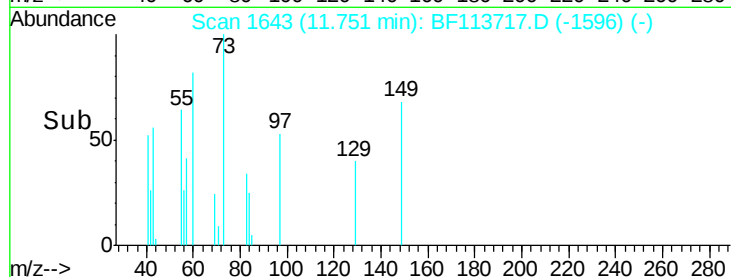


Abundance Ion 149.00 (148.70 to 149.70): E

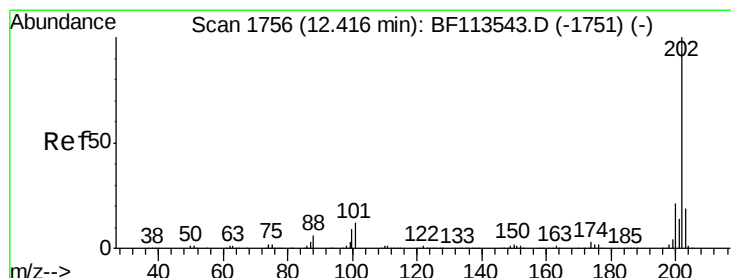
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time--> 11.72 11.74 11.76 11.78



Time--> 11.72 11.74 11.76 11.78



#75

Fluoranthene

Concen: 0.012 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.01 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

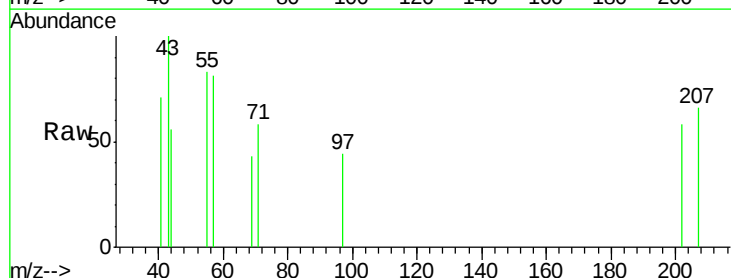
Tgt Ion:202 Resp: 282

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.4

203 0.0 0.0 38.0

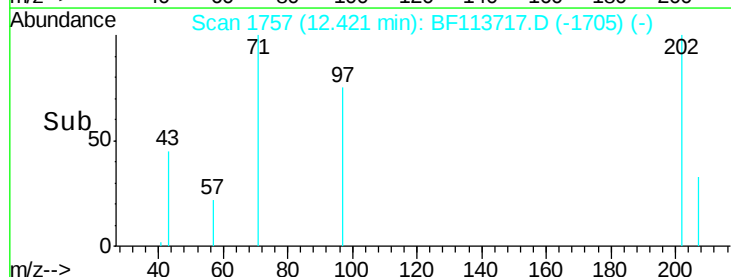


Abundance Ion 202.00 (201.70 to 202.70): E

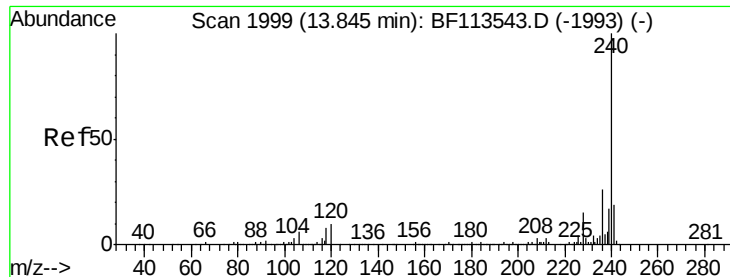
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time--> 12.40 12.42 12.44



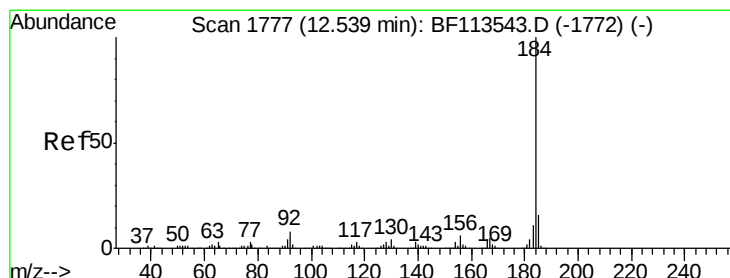
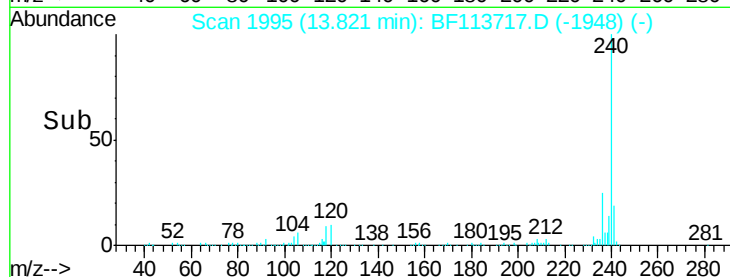
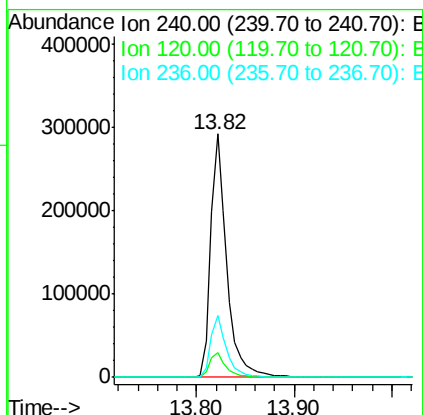
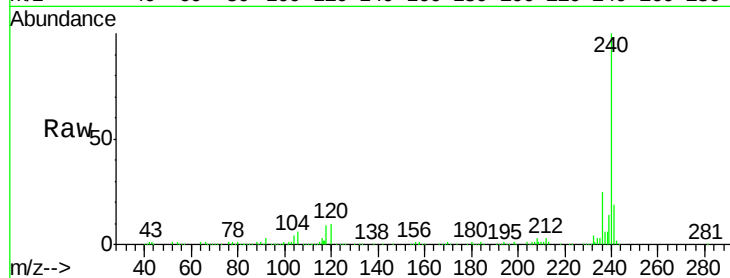
Time--> 12.40 12.42 12.44



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF113717.D
Acq: 11 Apr 2019 13:43

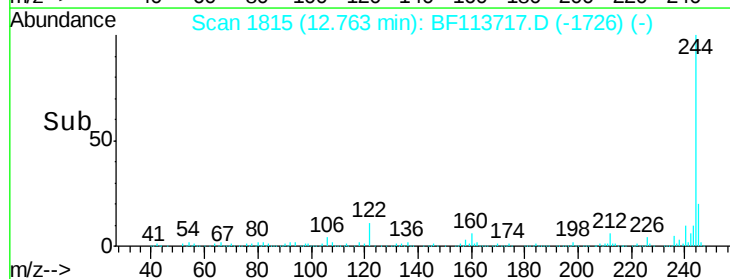
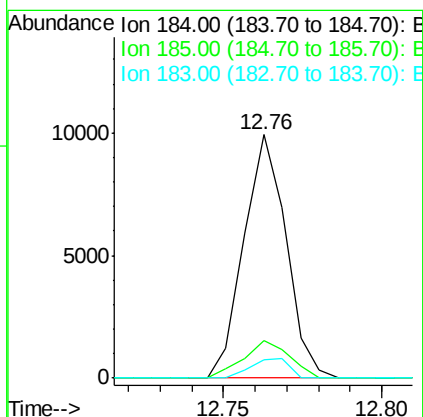
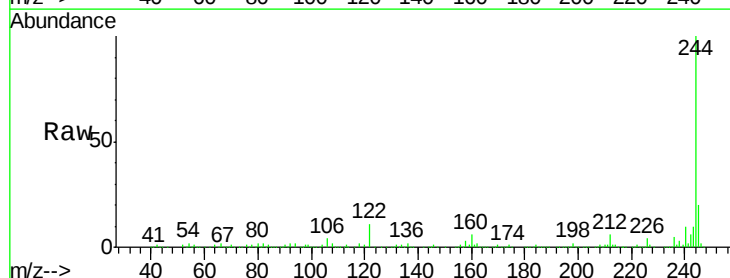
Instrument :
BNA_F
ClientSampleId :

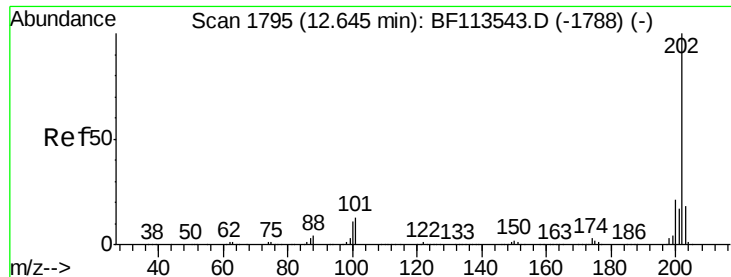
Tot Ion:240 Resp: 333190
Ion Ratio Lower Upper
240 100
120 10.2 8.8 13.2
236 25.4 20.9 31.3



#77
Benzidine
Concen: 0.741 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.22 min
Lab File: BF113717.D
Acq: 11 Apr 2019 13:43

Tgt Ion:184 Resp: 9176
Ion Ratio Lower Upper
184 100
185 15.2 13.0 19.6
183 7.7 9.0 13.4#

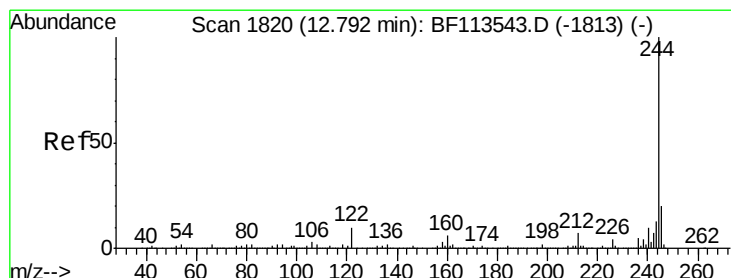
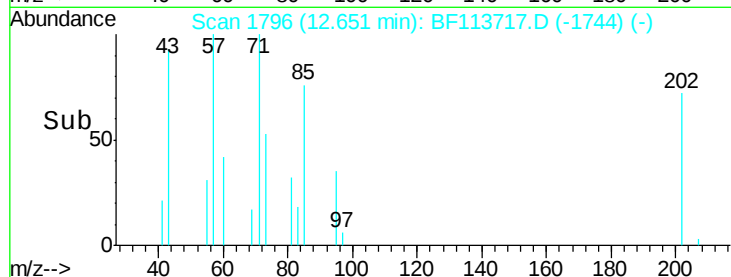
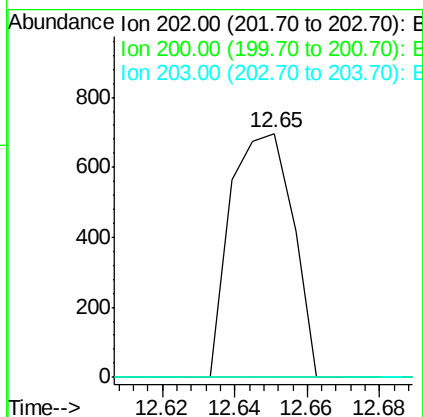
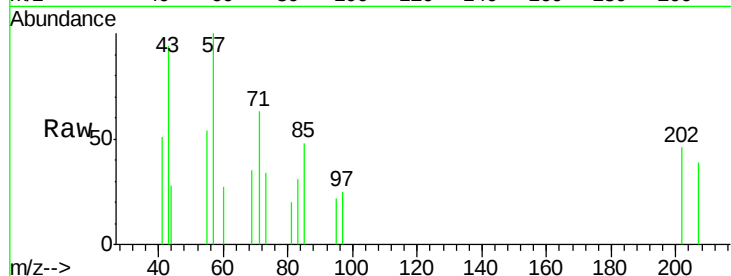




#78
 Pvrene
 Concen: 0.033 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. 0.01 min
 Lab File: BF113717.D
 Acq: 11 Apr 2019 13:43

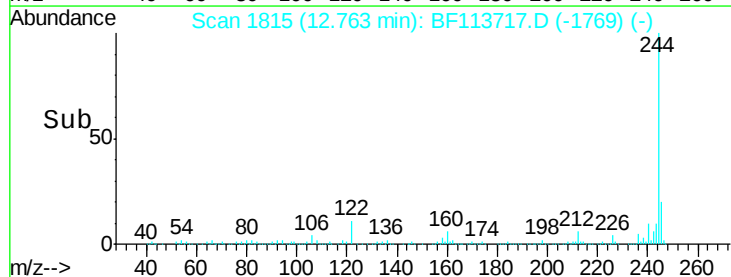
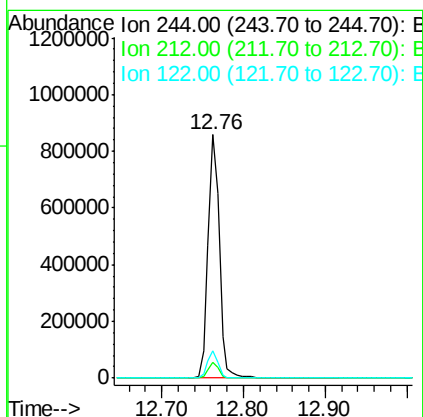
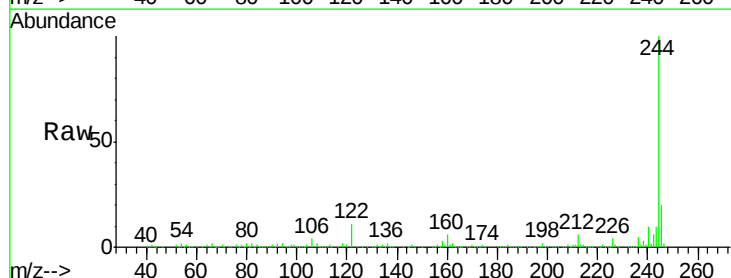
Instrument :
 BNA_F
 ClientSampleId :

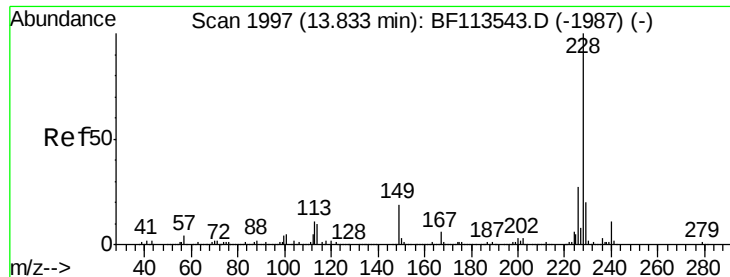
Tot Ion	Ratio	Lower	Upper
202	100		
200	0.0	16.8	25.2#
203	0.0	14.4	21.6#



#79
 Terphenyl-d14
 Concen: 50.101 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.03 min
 Lab File: BF113717.D
 Acq: 11 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.5	8.3
122	11.1	8.6	13.0





#81

Benzo(a)anthracene

Concen: 0.078 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampled :

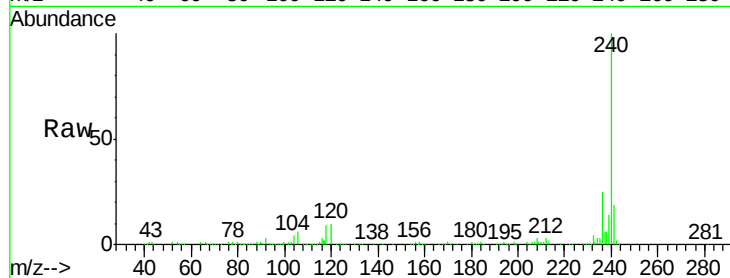
Tot Ion:228 Resp: 1499

Ion Ratio Lower Upper

228 100

226 0.0 21.8 32.8#

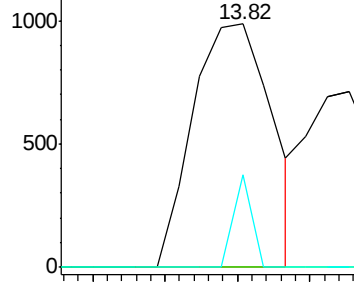
229 37.9 16.2 24.4#



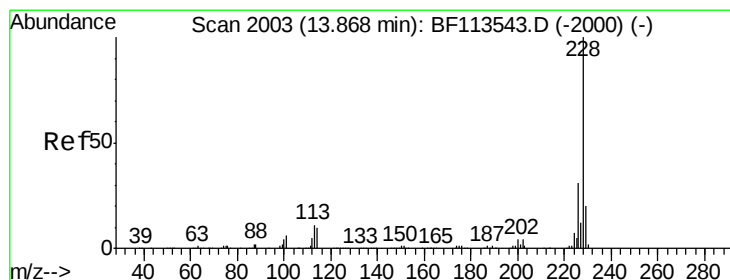
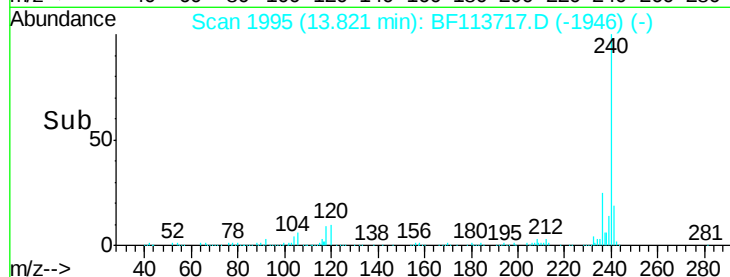
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Chrysene

Concen: 0.035 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

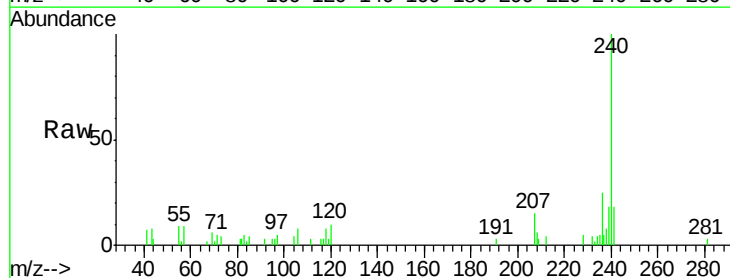
Tgt Ion:228 Resp: 679

Ion Ratio Lower Upper

228 100

226 0.0 24.3 36.5#

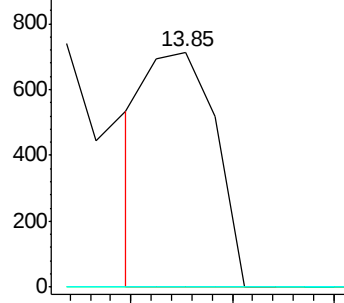
229 0.0 16.3 24.5#



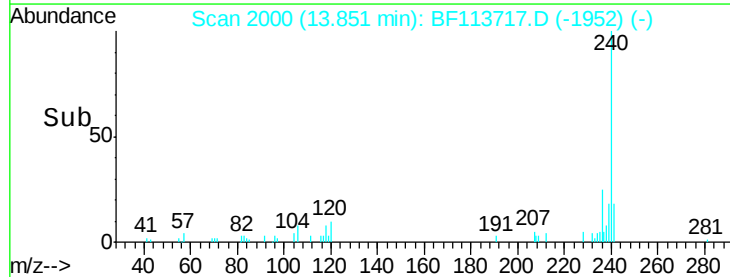
Abundance Ion 228.00 (227.70 to 228.70): E

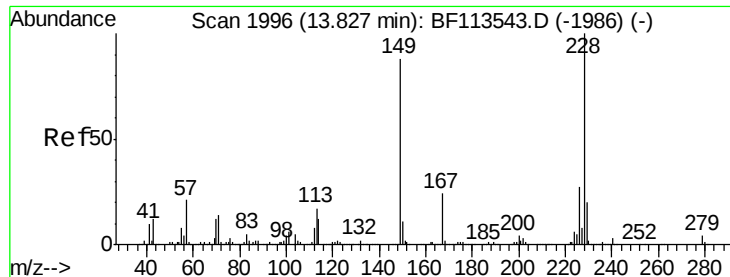
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.095 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.03 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampleId :

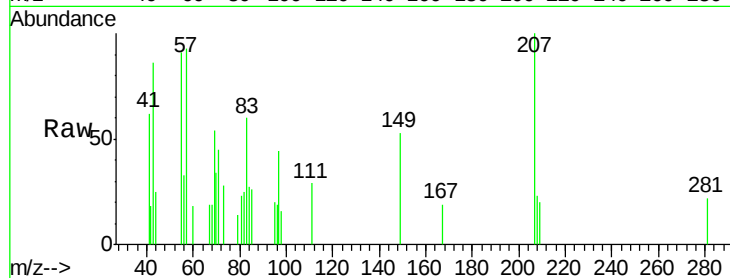
Tot Ion:149 Resp: 1182

Ion Ratio Lower Upper

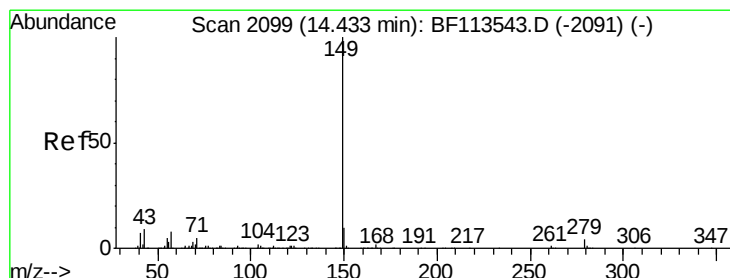
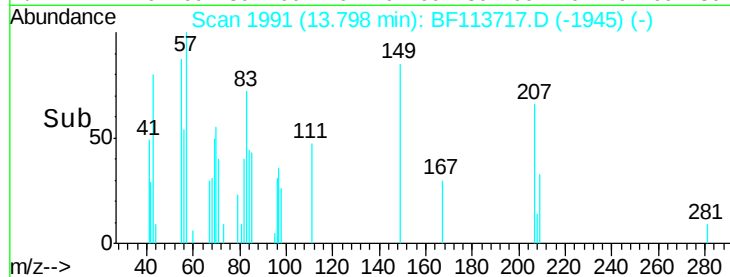
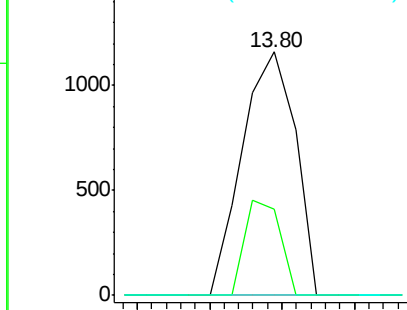
149 100

167 35.3 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: 0.043 ng

RT: 14.40 min Scan# 2094

Delta R.T. -0.03 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

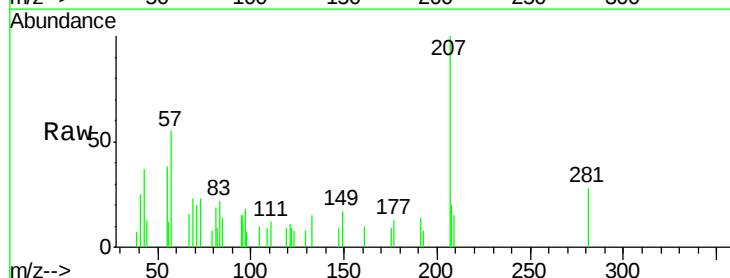
Tgt Ion:149 Resp: 862

Ion Ratio Lower Upper

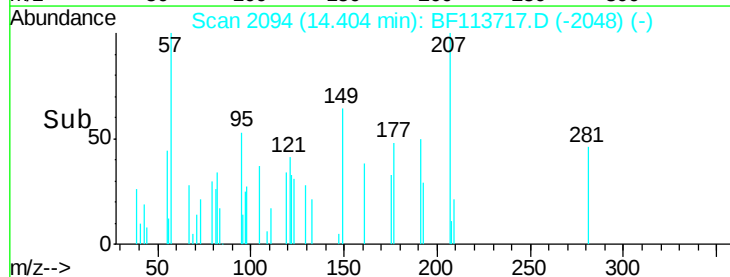
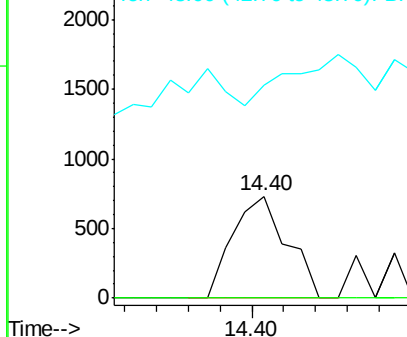
149 100

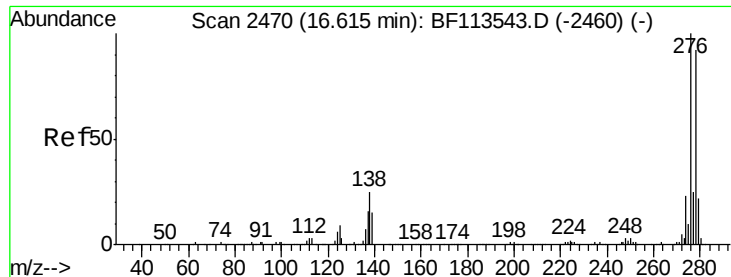
167 0.0 1.3 1.9#

43 45.7 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

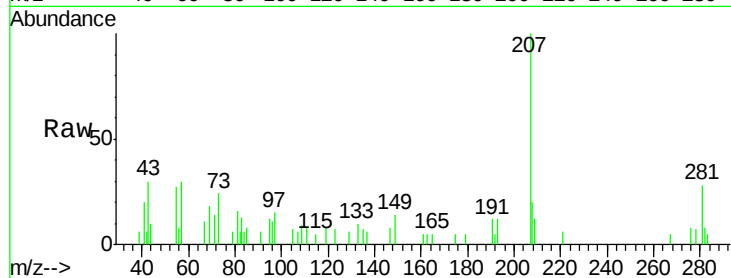




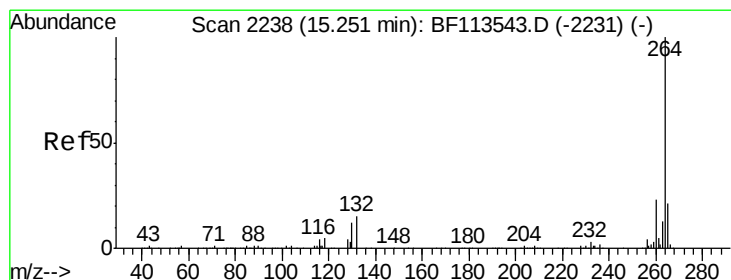
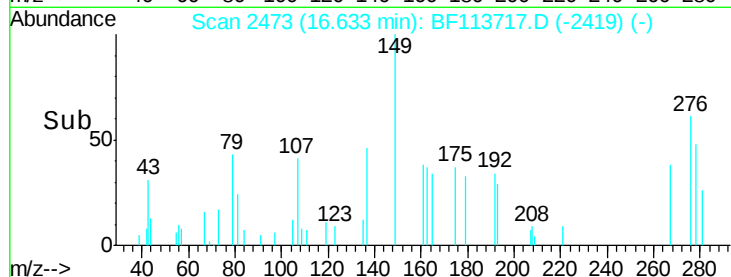
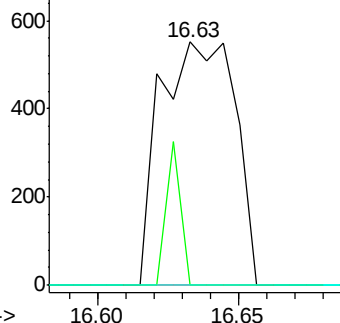
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.057 ng
 RT: 16.63 min Scan# 2473
 Delta R.T. 0.02 min
 Lab File: BF113717.D
 Acq: 11 Apr 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	11.3	18.1	27.1	
277	0.0	20.2	30.4	

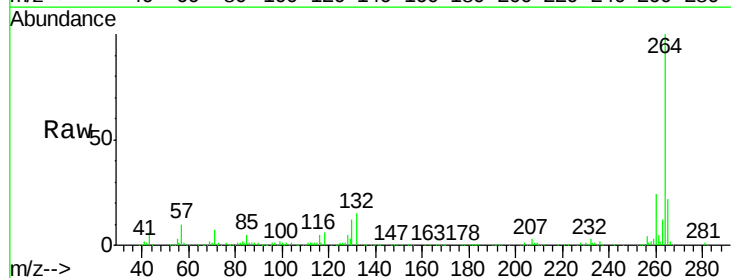


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

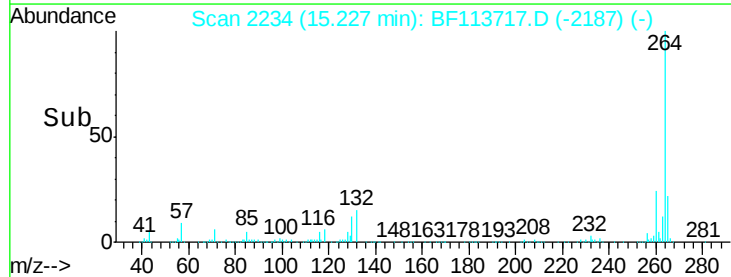
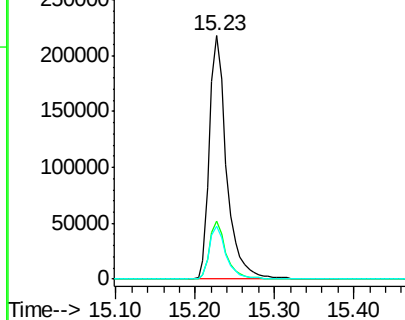


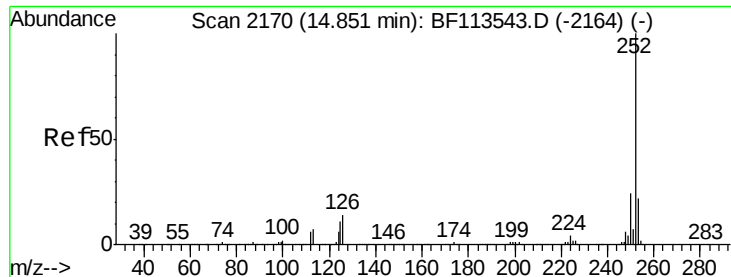
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF113717.D
 Acq: 11 Apr 2019 13:43

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.9	19.1	28.7	
265	21.8	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: 0.106 ng

RT: 14.86 min Scan# 2171

Delta R.T. 0.01 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampleId :

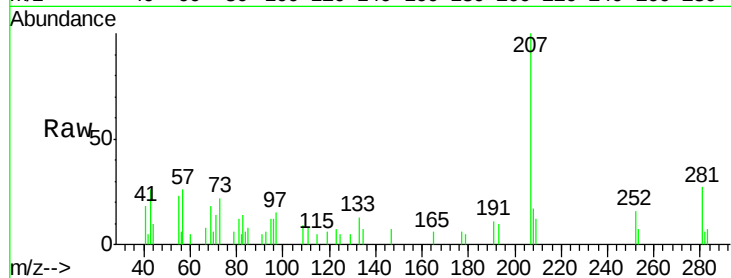
Tot Ion:252 Resp: 2144

Ion Ratio Lower Upper

252 100

253 42.0 18.0 27.0#

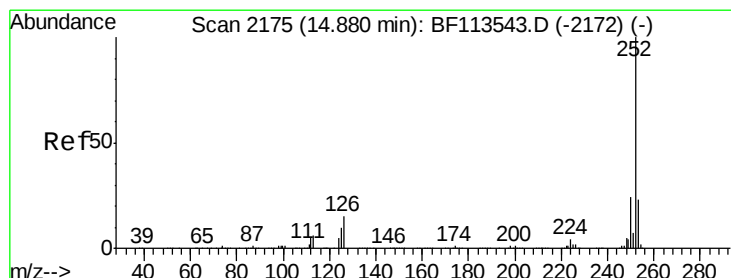
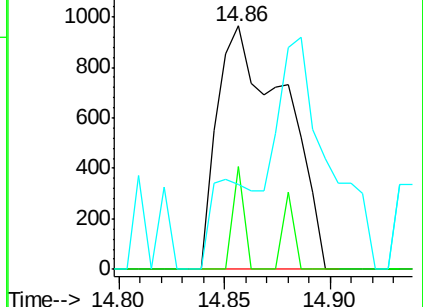
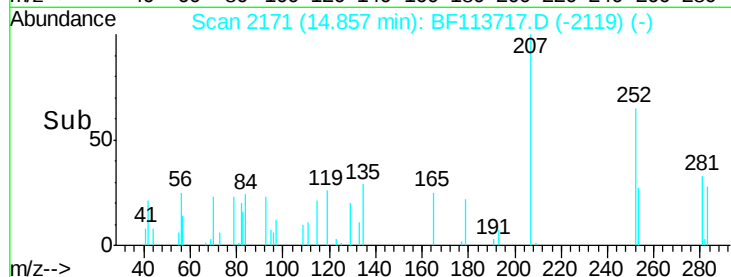
125 35.0 7.6 11.4#



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: 0.118 ng

RT: 14.86 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

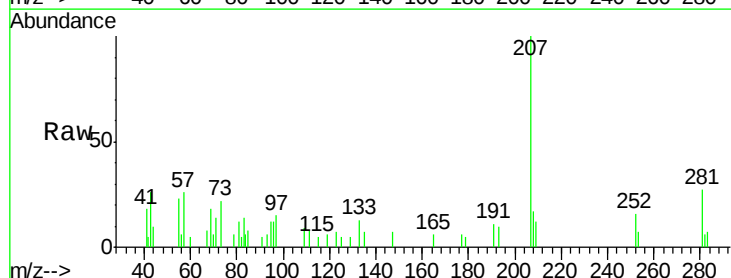
Tgt Ion:252 Resp: 2144

Ion Ratio Lower Upper

252 100

253 42.0 17.7 26.5#

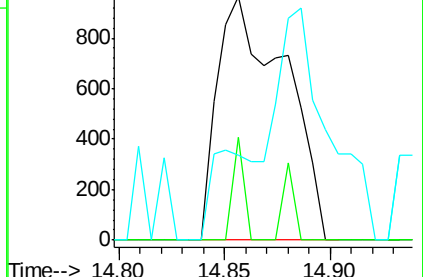
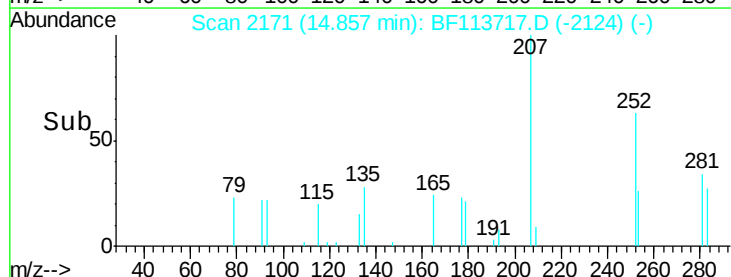
125 35.0 7.3 10.9#

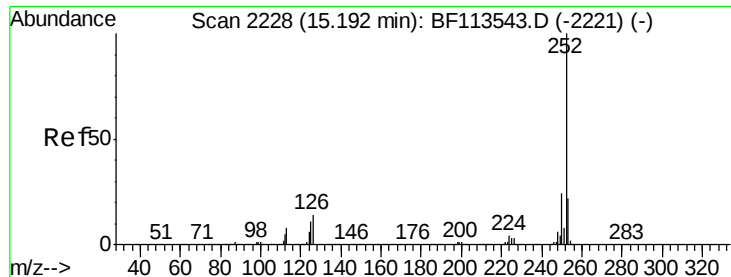


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.053 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

Instrument :

BNA_F

ClientSampled :

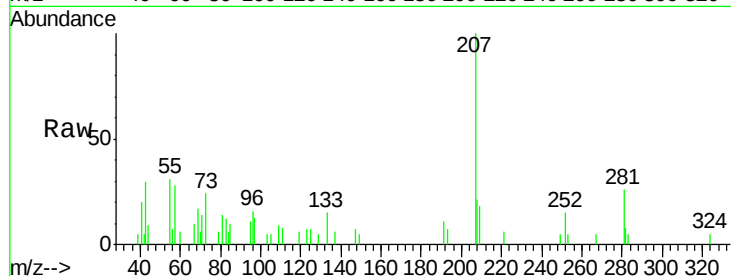
Tot Ion:252 Resp: 953

Ion Ratio Lower Upper

252 100

253 33.4 17.9 26.9#

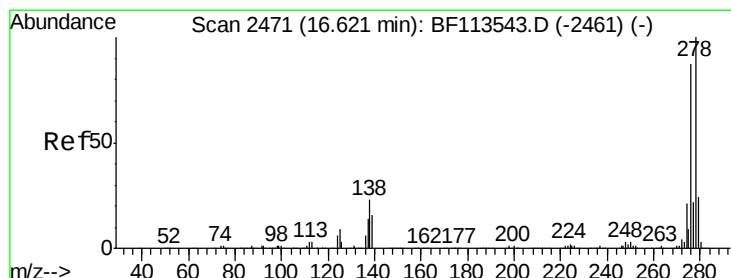
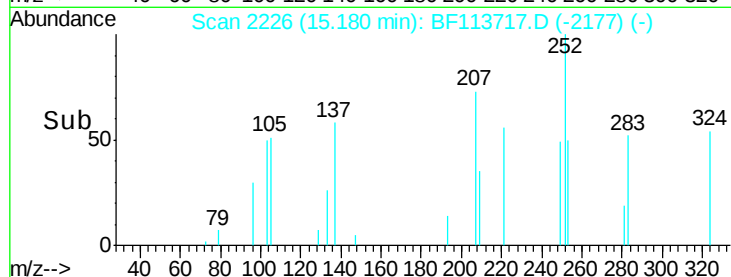
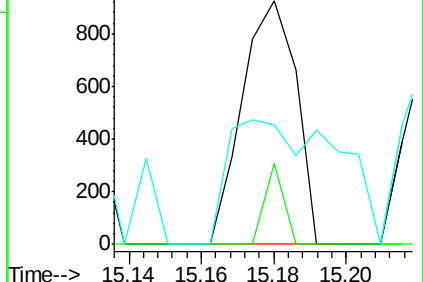
125 49.1 8.8 13.2#



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: 0.027 ng

RT: 16.62 min Scan# 2471

Delta R.T. -0.00 min

Lab File: BF113717.D

Acq: 11 Apr 2019 13:43

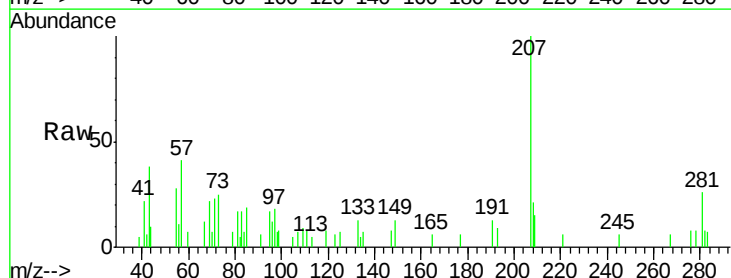
Tgt Ion:278 Resp: 450

Ion Ratio Lower Upper

278 100

139 0.0 12.0 18.0#

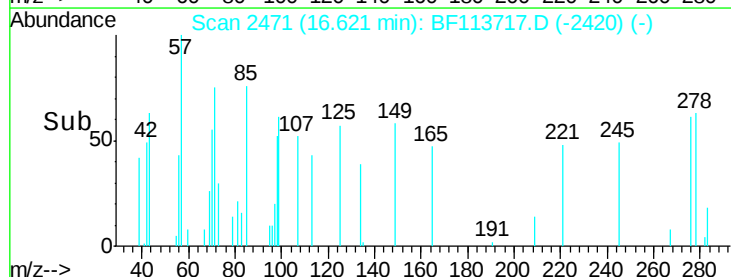
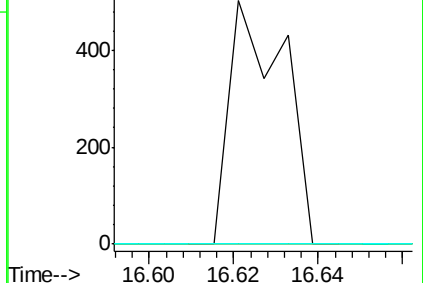
279 0.0 19.0 28.6#

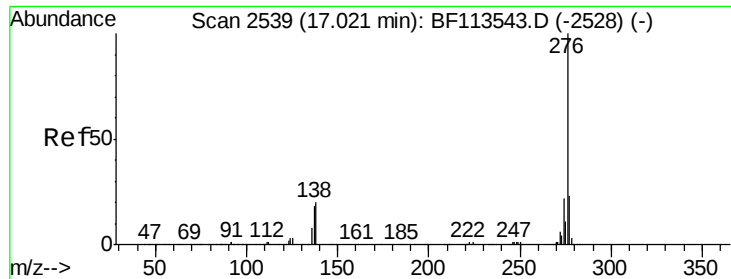


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.063 ng
 RT: 17.05 min Scan# 2544
 Delta R.T. 0.03 min
 Lab File: BF113717.D
 Acq: 11 Apr 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	0.0	18.8	28.2#
138	0.0	15.6	23.4#

