

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031419\
 Data File : BF113051.D
 Acq On : 14 Mar 2019 15:55
 Operator : JU/SJ
 Sample : K1866-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-12-COMP

Quant Time: Mar 15 06:42:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	221718	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	829299	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	425548	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	861184	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	792799	20.00	ng	0.00
87) Perylene-d12	15.27	264	842965	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1515998	106.36	ng	0.00
7) Phenol-d6	6.38	99	2026015	113.16	ng	0.00
23) Nitrobenzene-d5	7.29	82	1273646	91.90	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	660615	146.23	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	2078543	79.57	ng	0.00
79) Terphenyl-d14	12.82	244	2376250	58.10	ng	0.00

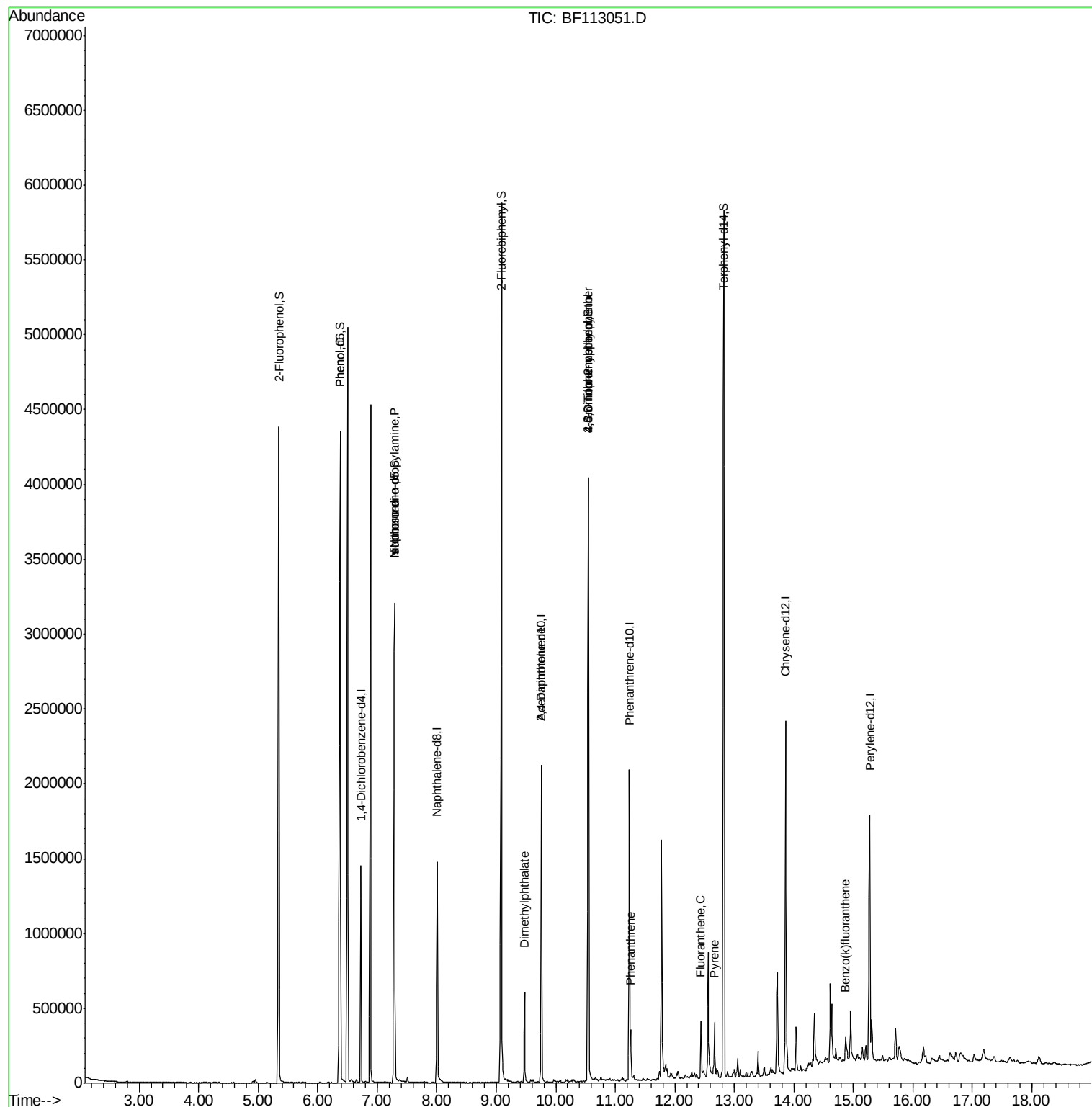
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	160105	7.663	ng	95
19) n-Nitroso-di-n-propylamine	7.29	70	166291	14.665	ng	# 75
25) Isophorone	7.29	82	1244016	41.665	ng	# 66
50) Dimethylphthalate	9.47	163	244844	7.803	ng	99
57) 2,4-Dinitrotoluene	9.76	165	53727	6.615	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	1195	4.918	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	37518	4.136	ng	# 1
71) Phenanthrene	11.26	178	99821	2.330	ng	97
75) Fluoranthene	12.44	202	157701	3.435	ng	96
78) Pyrene	12.67	202	143345	2.145	ng	99
89) Benzo(k)fluoranthene	14.87	252	103188	2.089	ng	97

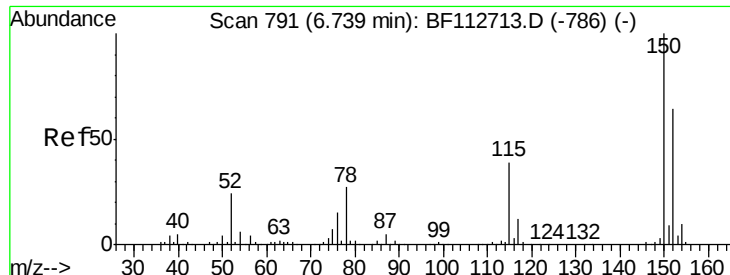
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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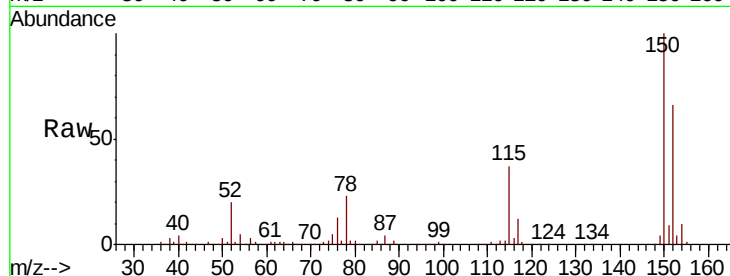




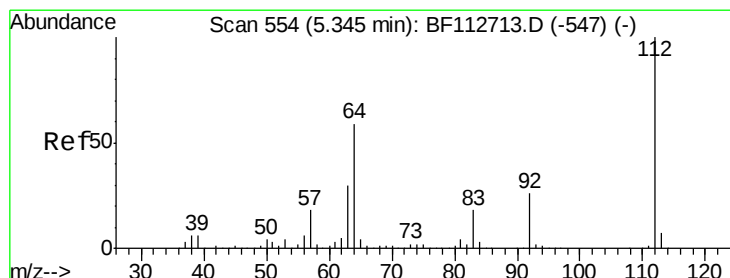
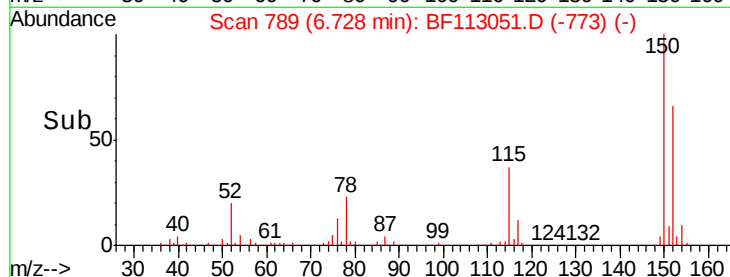
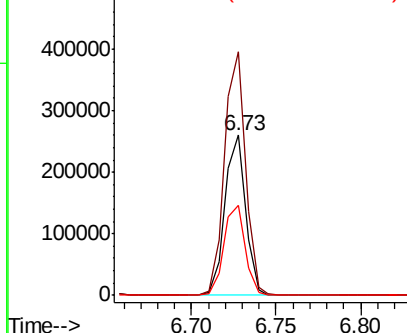
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF113051.D
 Acq: 14 Mar 2019 15:55

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-12-COMP

Tot Ion:152 Resp: 221718
 Ion Ratio Lower Upper
 152 100
 150 152.4 124.2 186.2
 115 56.1 48.2 72.4

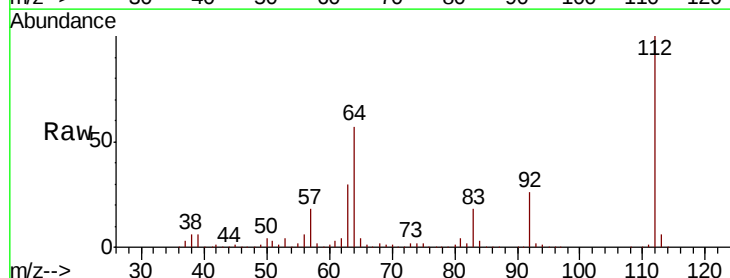


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

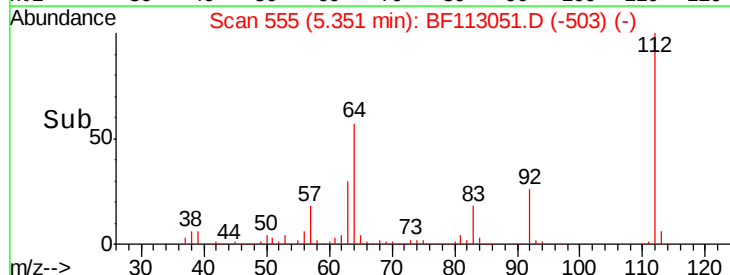
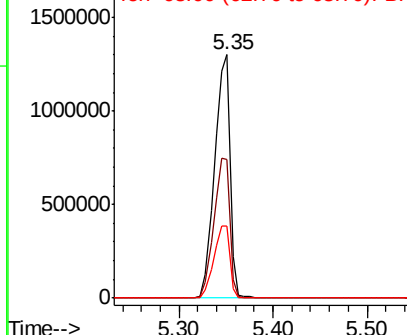


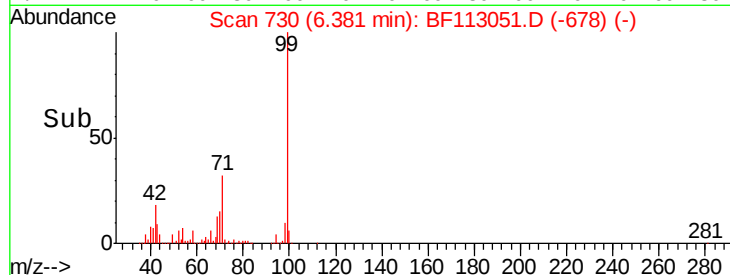
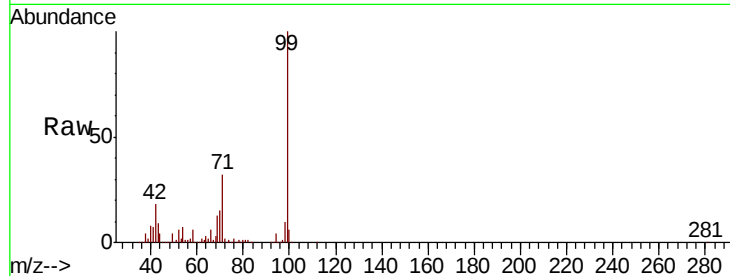
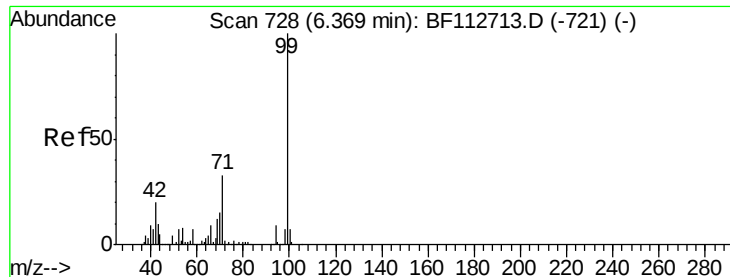
#5
 2-Fluorophenol
 Concen: 106.360 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: BF113051.D
 Acq: 14 Mar 2019 15:55

Tgt Ion:112 Resp: 1515998
 Ion Ratio Lower Upper
 112 100
 64 57.2 47.6 71.4
 63 29.7 24.4 36.6



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





#7

Phenol-d6

Concen: 113.156 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF113051.D

Acq: 14 Mar 2019 15:55

Instrument :

BNA_F

ClientSampleId :

MR-MH-12-COMP

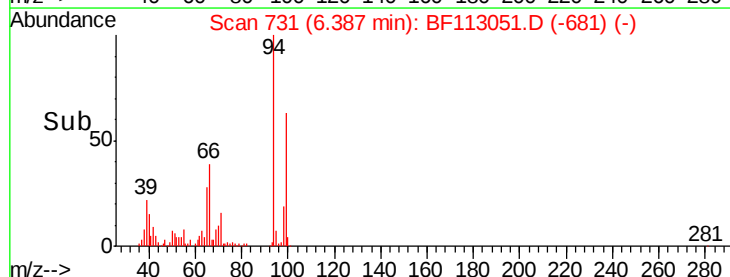
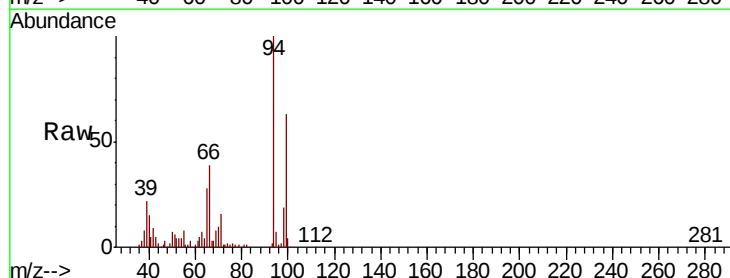
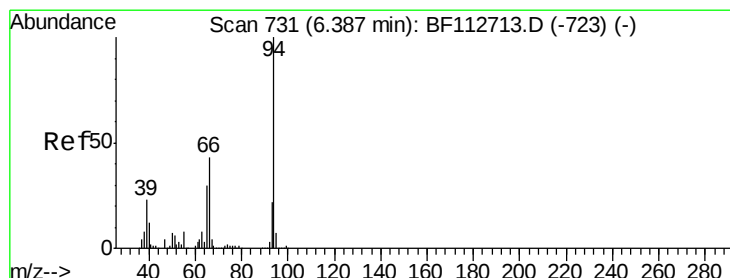
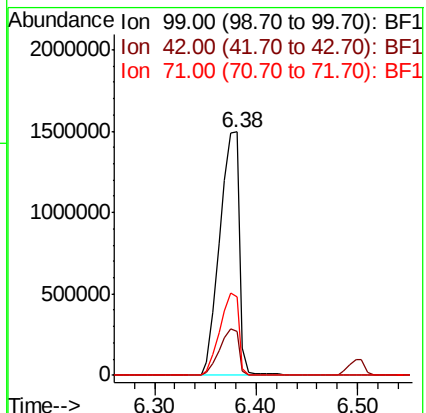
Tot Ion: 99 Resp: 2026015

Ion Ratio Lower Upper

99 100

42 17.9 16.3 24.5

71 32.3 26.2 39.4



#10

Phenol

Concen: 7.663 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF113051.D

Acq: 14 Mar 2019 15:55

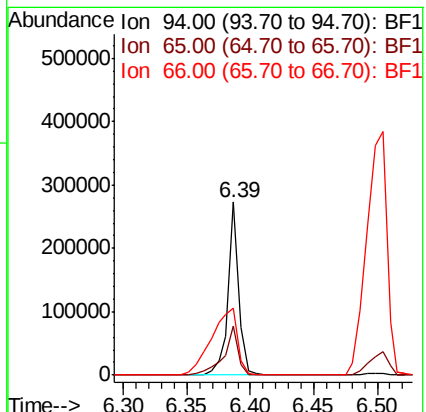
Tgt Ion: 94 Resp: 160105

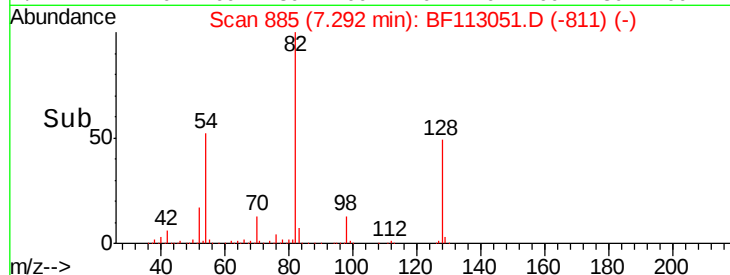
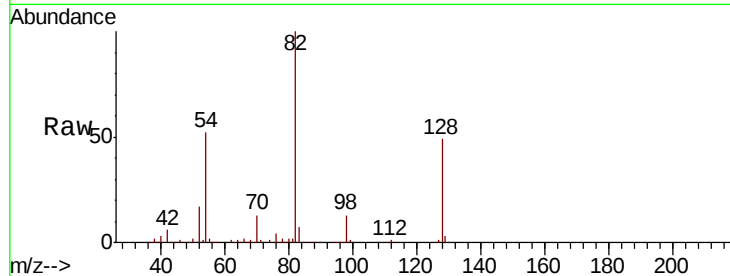
Ion Ratio Lower Upper

94 100

65 28.3 10.5 50.5

66 38.6 22.6 62.6

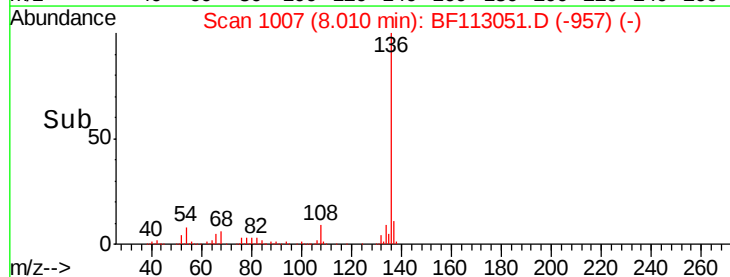
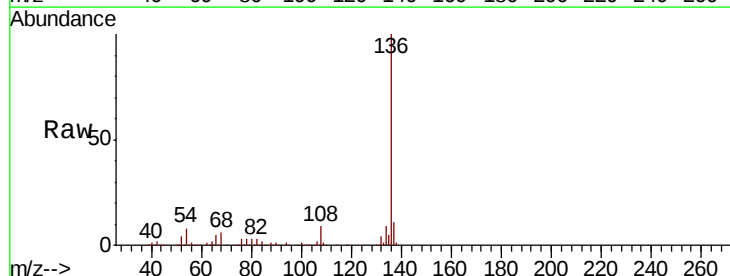
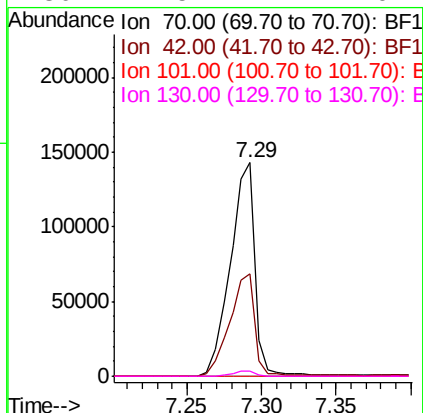




#19
n-Nitroso-di-n-propylamine
Concen: 14.665 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF113051.D
Acq: 14 Mar 2019 15:55

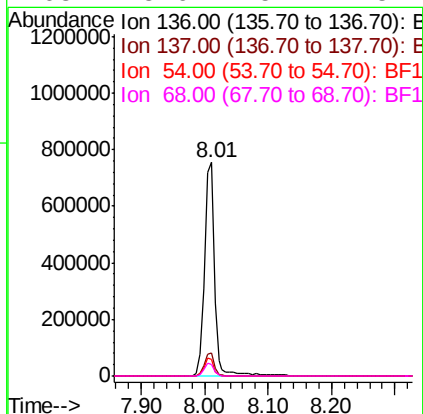
Instrument :
BNA_F
ClientSampleId :
MR-MH-12-COMP

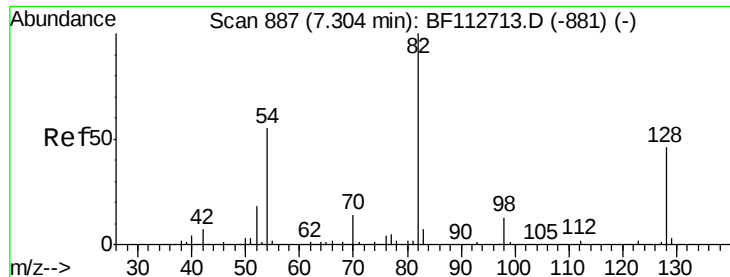
Tot Ion: 70 Resp: 166291
Ion Ratio Lower Upper
70 100
42 48.0 49.9 74.9#
101 0.0 7.4 11.2#
130 2.5 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113051.D
Acq: 14 Mar 2019 15:55

Tgt Ion: 136 Resp: 829299
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.7 7.3 10.9
68 5.6 5.4 8.2

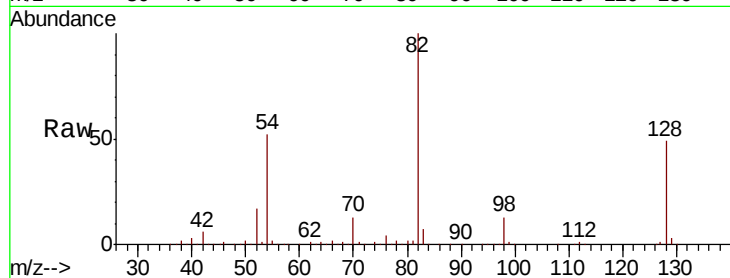




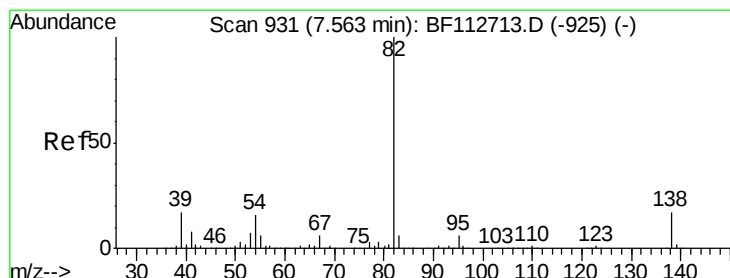
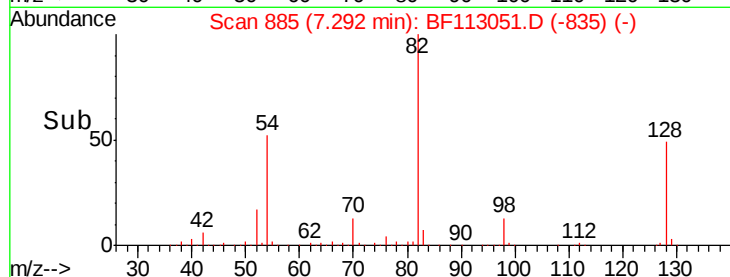
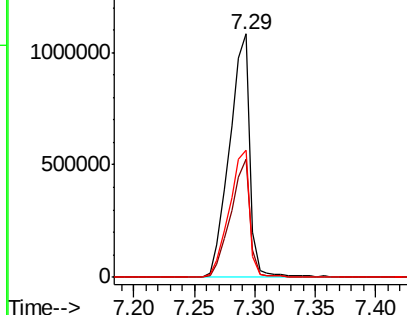
#23
Nitrobenzene-d5
Concen: 91.900 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF113051.D
Acq: 14 Mar 2019 15:55

Instrument :
BNA_F
ClientSampleId :
MR-MH-12-COMP

Tot Ion: 82 Resp: 1273646
Ion Ratio Lower Upper
82 100
128 48.5 36.3 54.5
54 52.3 43.7 65.5

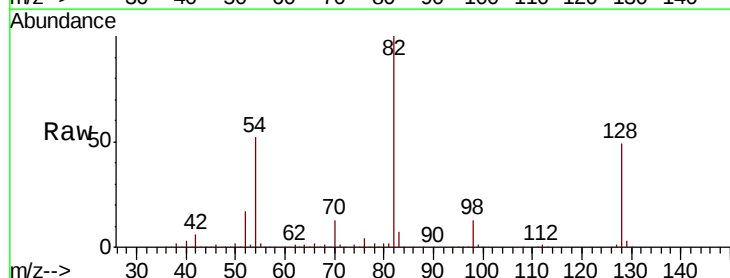


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

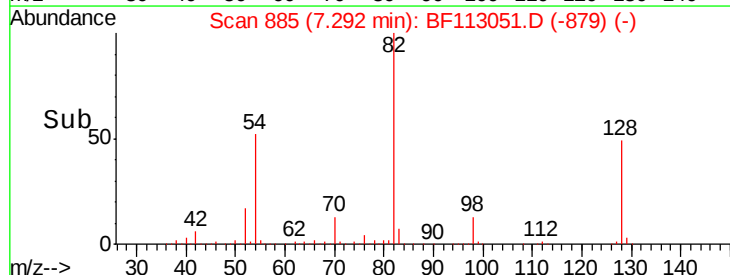
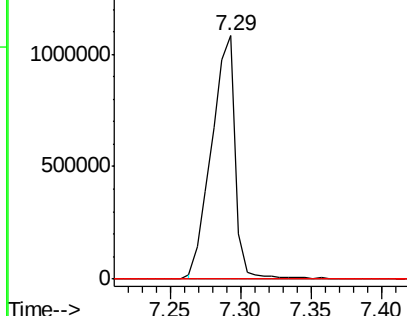


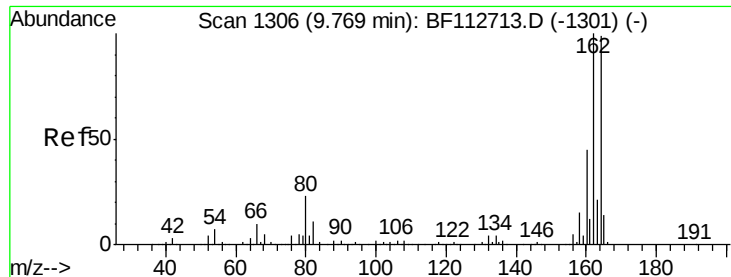
#25
Isophorone
Concen: 41.665 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.26 min
Lab File: BF113051.D
Acq: 14 Mar 2019 15:55

Tgt Ion: 82 Resp: 1244016
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#



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

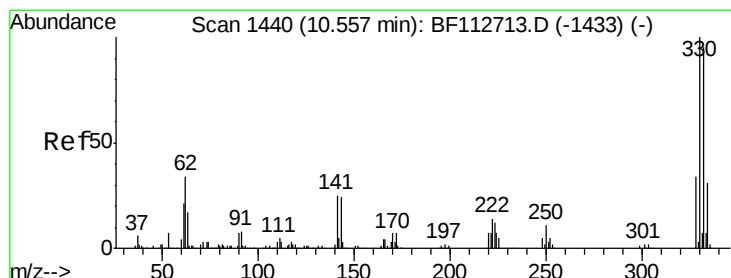
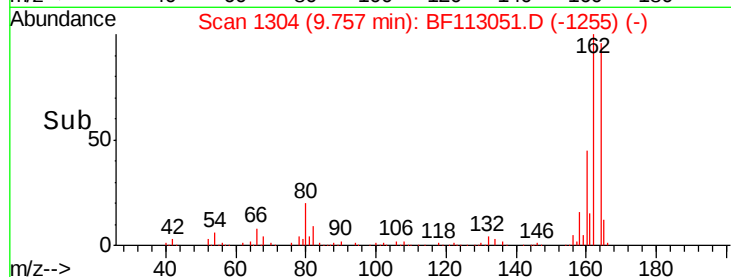
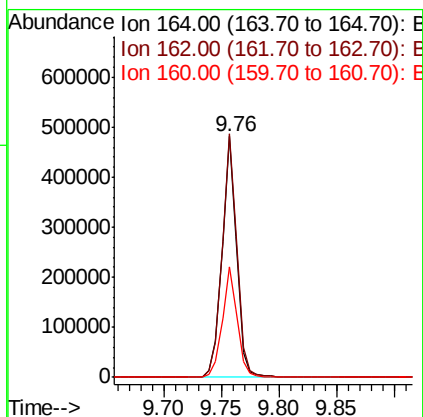
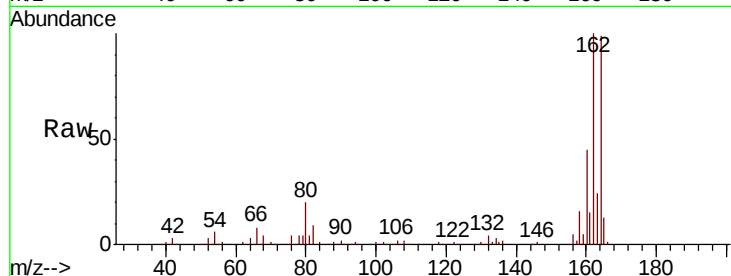




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113051.D
Acq: 14 Mar 2019 15:55

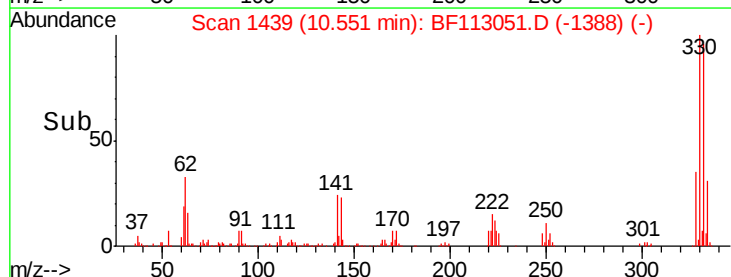
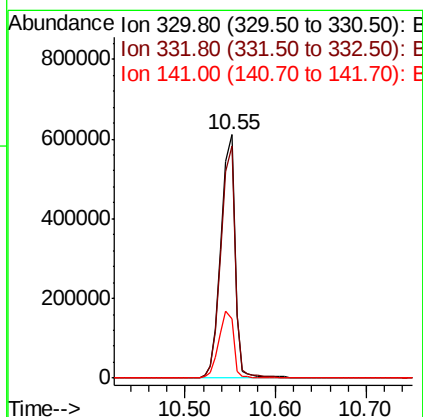
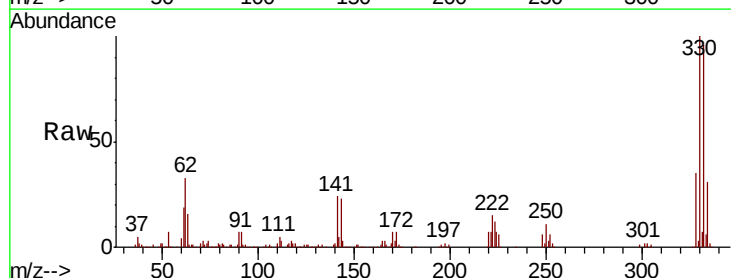
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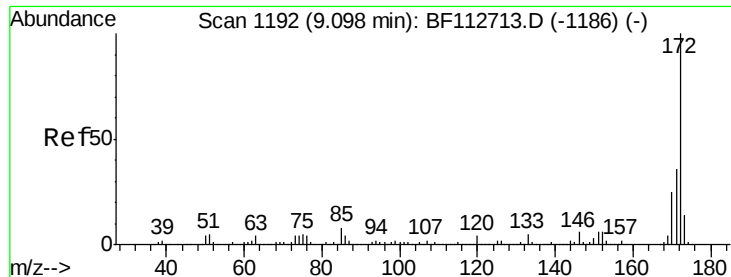
Tot Ion:164 Resp: 425548
Ion Ratio Lower Upper
164 100
162 101.2 80.6 120.8
160 45.7 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 146.227 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BF113051.D
Acq: 14 Mar 2019 15:55

Tgt Ion:330 Resp: 660615
Ion Ratio Lower Upper
330 100
332 95.7 76.2 114.4
141 28.6 27.0 40.6

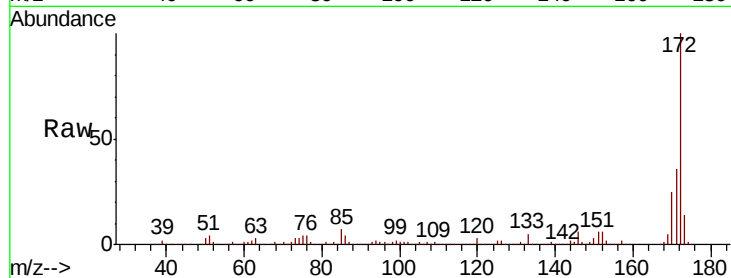




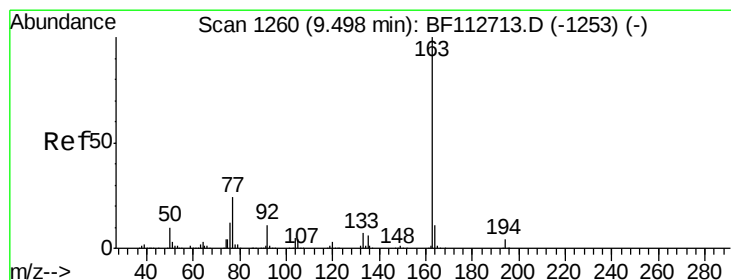
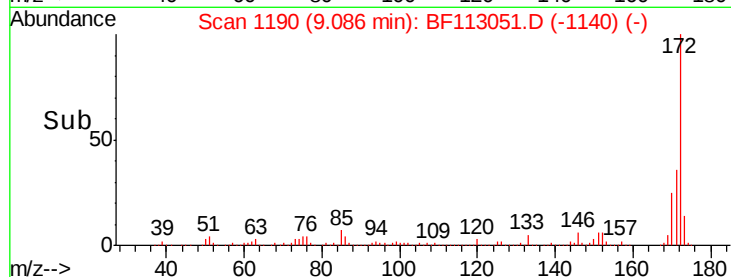
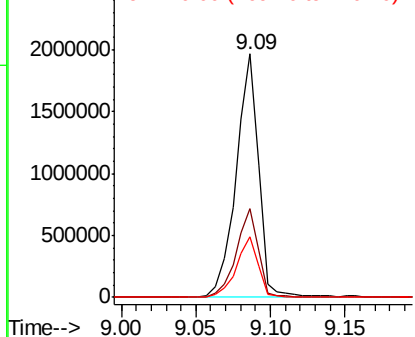
#45
2-Fluorobiphenyl
Concen: 79.571 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF113051.D
Acq: 14 Mar 2019 15:55

Instrument :
BNA_F
ClientSampleId :
MR-MH-12-COMP

Tot Ion:172 Resp: 2078543
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.4
170 25.0 20.0 30.0

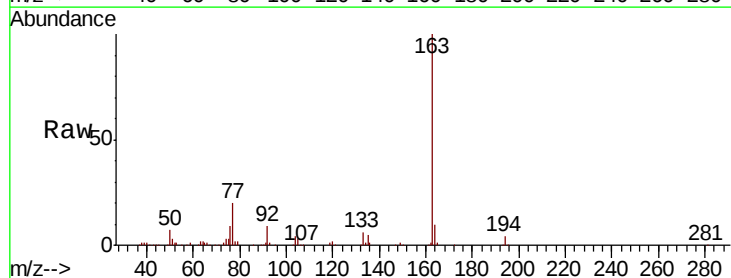


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

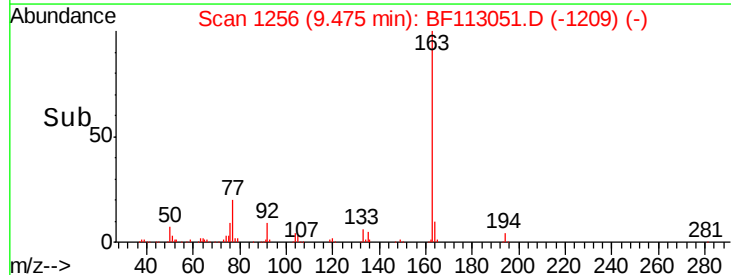
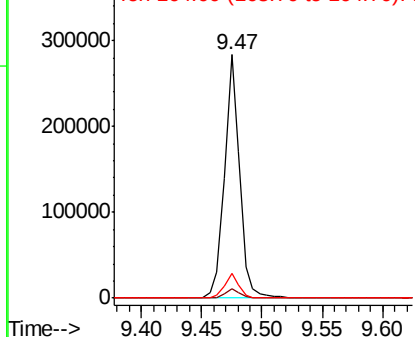


#50
Dimethylphthalate
Concen: 7.803 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF113051.D
Acq: 14 Mar 2019 15:55

Tgt Ion:163 Resp: 244844
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.2 8.4 12.6



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





#57

2,4-Dinitrotoluene

Concen: 6.615 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113051.D

Acq: 14 Mar 2019 15:55

Instrument :

BNA_F

ClientSampleId :

MR-MH-12-COMP

Tot Ion:165 Resp: 53727

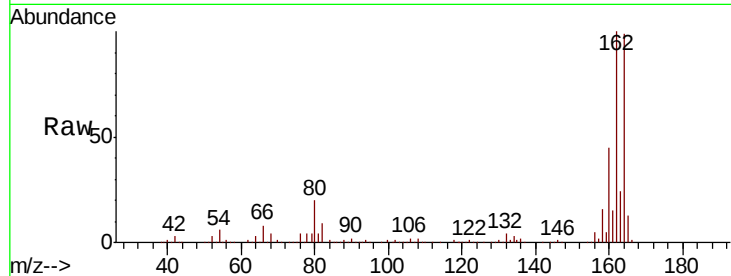
Ion Ratio Lower Upper

165 100

63 1.4 42.2 63.2#

89 1.1 66.2 99.4#

182 0.0 1.8 2.6#

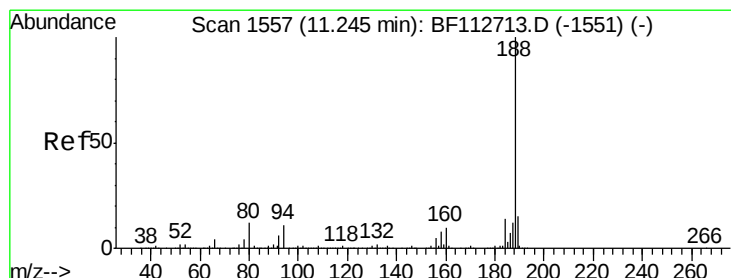
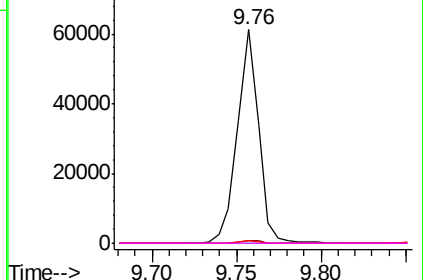
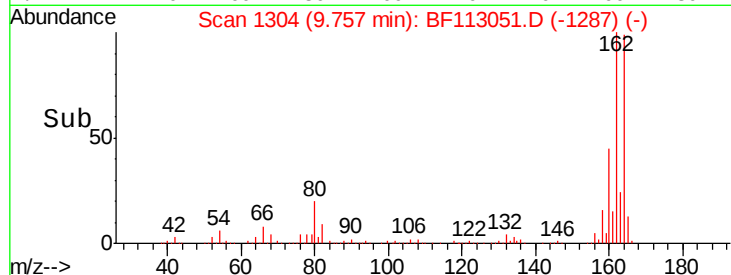


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113051.D

Acq: 14 Mar 2019 15:55

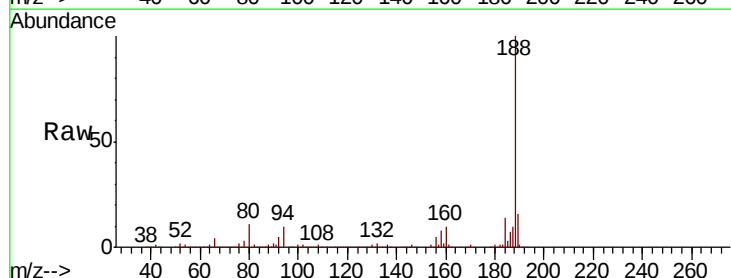
Tgt Ion:188 Resp: 861184

Ion Ratio Lower Upper

188 100

94 10.1 9.0 13.4

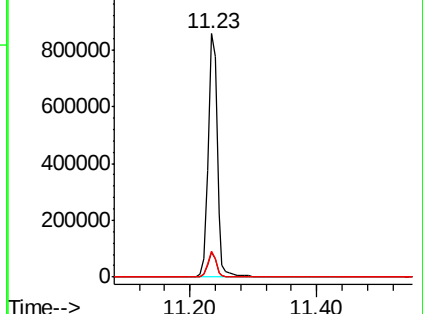
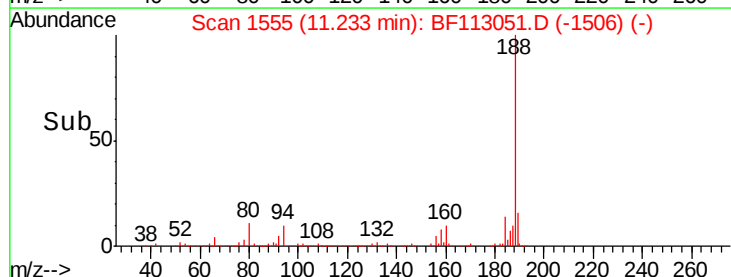
80 10.6 9.2 13.8

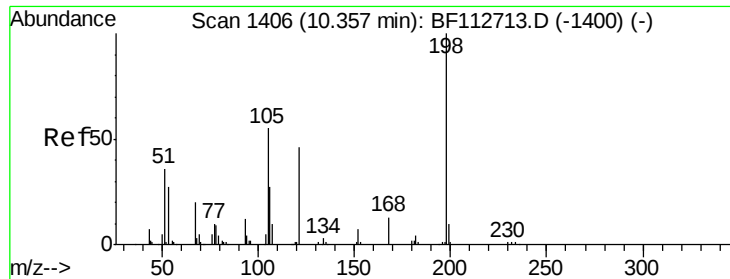


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

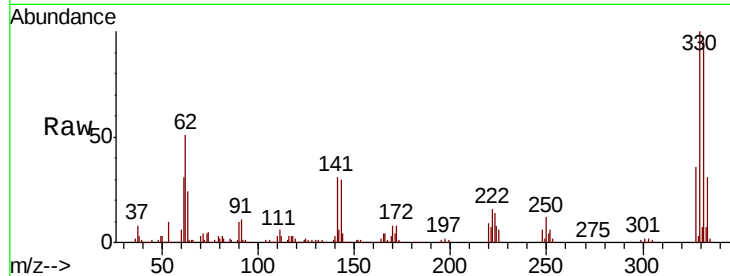




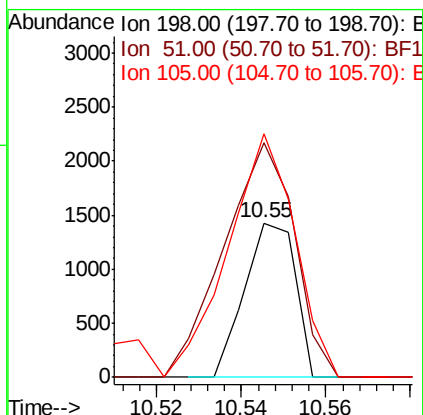
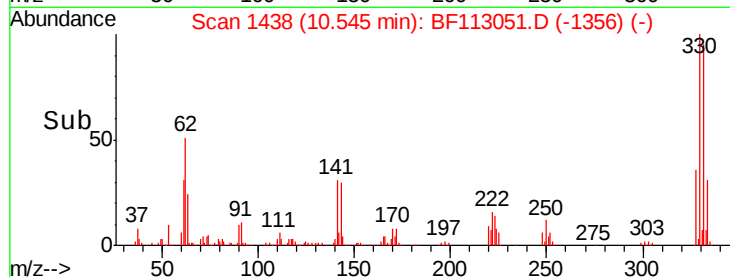
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.918 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF113051.D
 Acq: 14 Mar 2019 15:55

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-12-COMP

Tot Ion:198 Resp: 1195
 Ion Ratio Lower Upper
 198 100
 51 152.1 43.8 83.8#
 105 157.5 36.5 76.5#

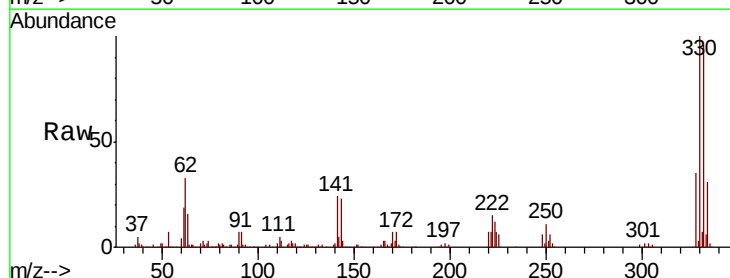


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

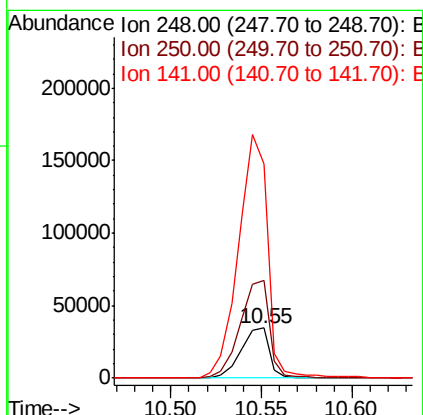
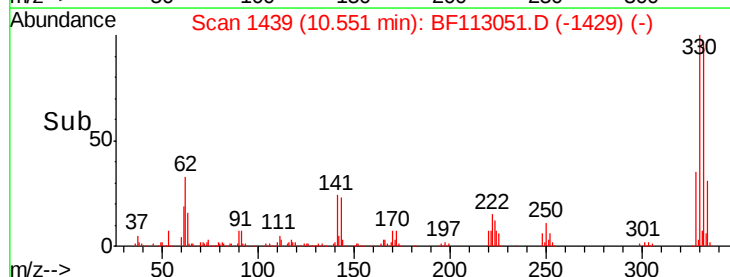


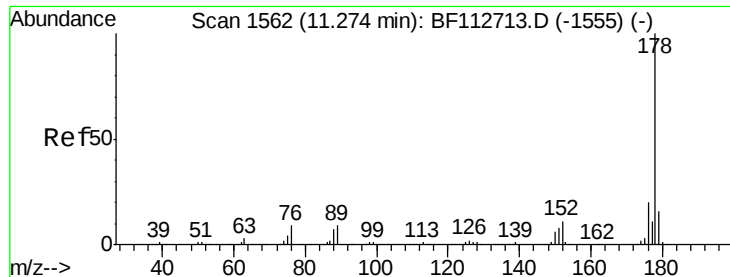
#67
 4-Bromophenyl-phenylether
 Concen: 4.136 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF113051.D
 Acq: 14 Mar 2019 15:55

Tgt Ion:248 Resp: 37518
 Ion Ratio Lower Upper
 248 100
 250 194.8 77.5 116.3#
 141 430.1 62.4 93.6#



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: 2.330 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113051.D

Acq: 14 Mar 2019 15:55

Instrument :

BNA_F

ClientSampleId :

MR-MH-12-COMP

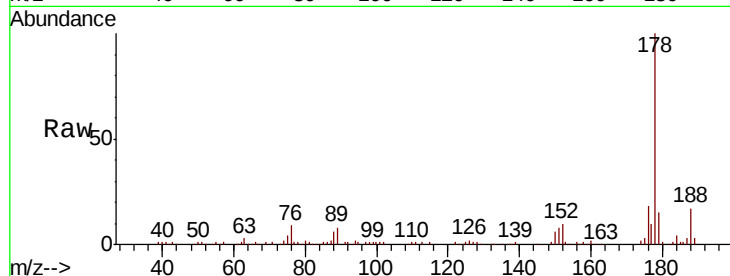
Tot Ion:178 Resp: 99821

Ion Ratio Lower Upper

178 100

176 18.4 16.3 24.5

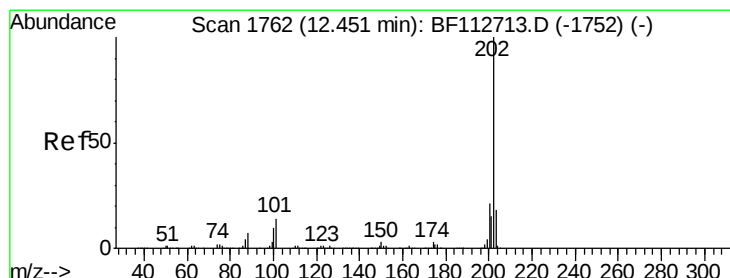
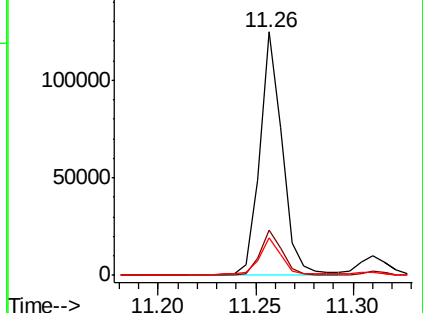
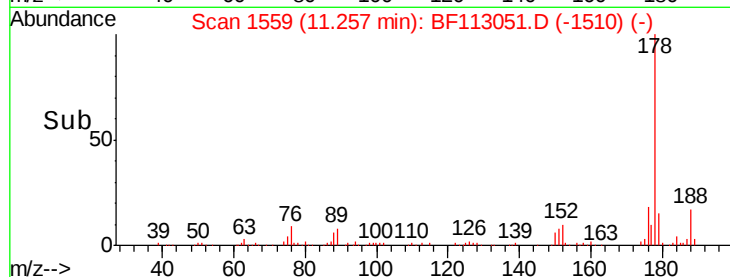
179 15.4 12.7 19.1



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



#75

Fluoranthene

Concen: 3.435 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF113051.D

Acq: 14 Mar 2019 15:55

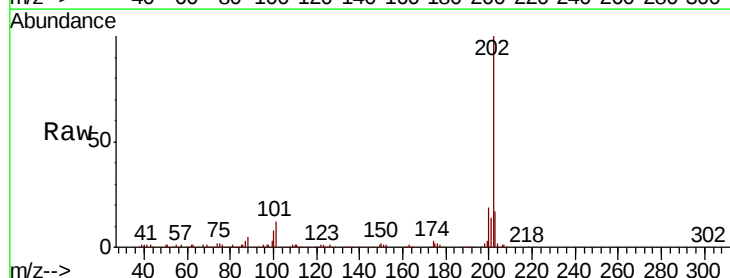
Tgt Ion:202 Resp: 157701

Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.8

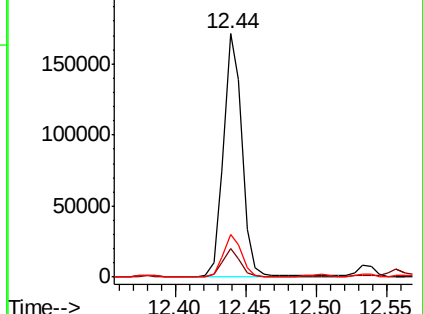
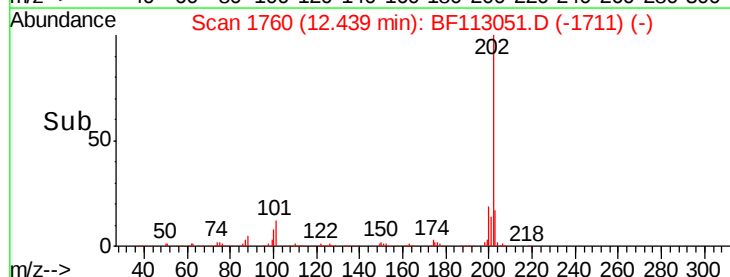
203 17.4 0.0 38.4

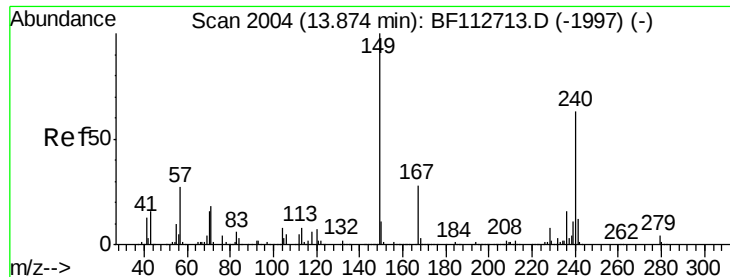


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

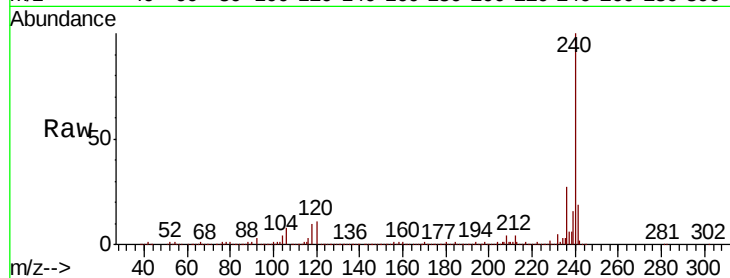




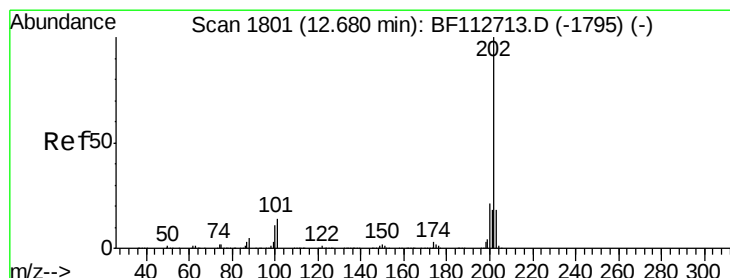
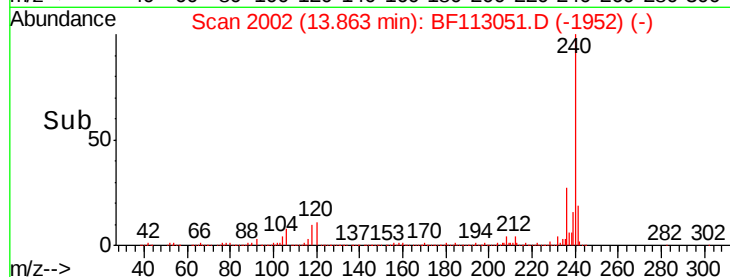
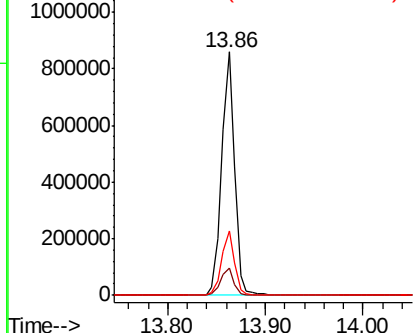
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113051.D
Acq: 14 Mar 2019 15:55

Instrument :
BNA_F
ClientSampleId :
MR-MH-12-COMP

Tot Ion:240 Resp: 792799
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 26.6 20.7 31.1

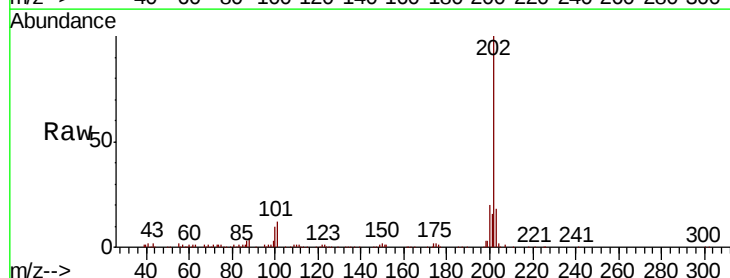


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

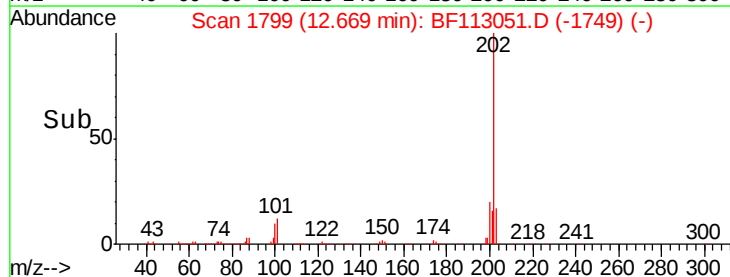
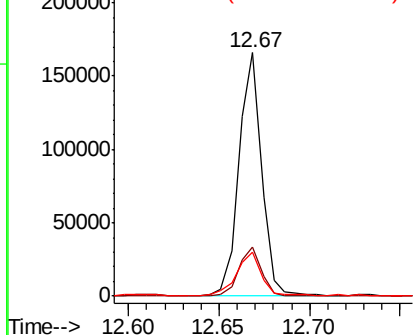


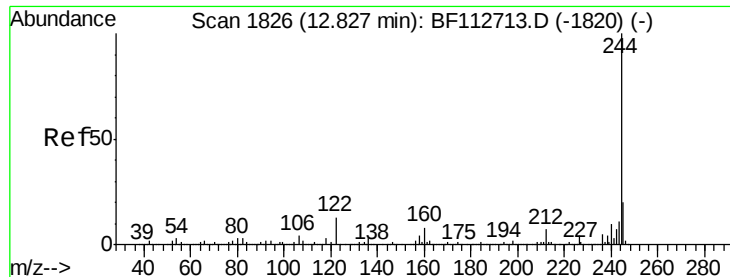
#78
Pyrene
Concen: 2.145 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113051.D
Acq: 14 Mar 2019 15:55

Tgt Ion:202 Resp: 143345
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.4
203 17.9 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: 58.102 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF113051.D

Acq: 14 Mar 2019 15:55

Instrument :

BNA_F

ClientSampleId :

MR-MH-12-COMP

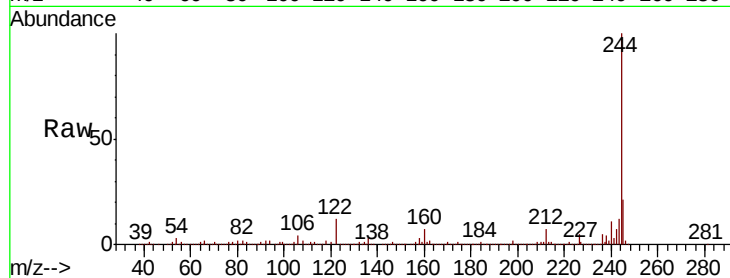
Tot Ion:244 Resp: 2376250

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

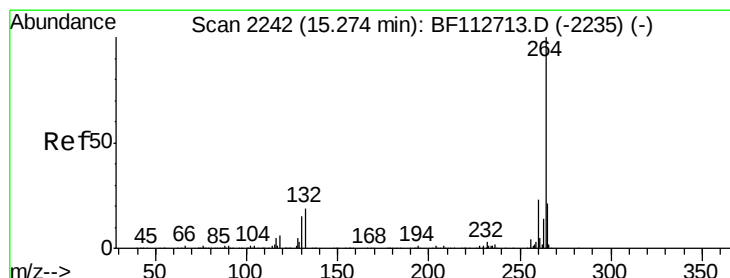
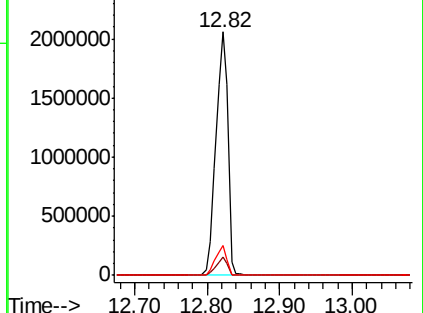
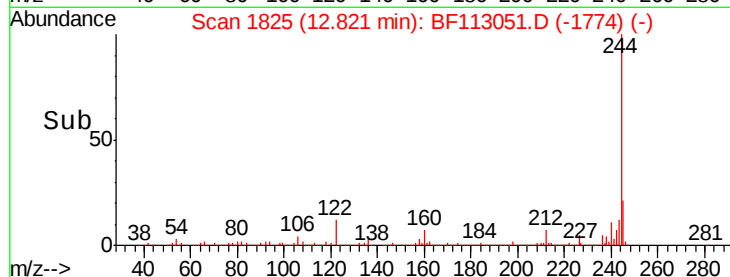
122 12.1 10.5 15.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF113051.D

Acq: 14 Mar 2019 15:55

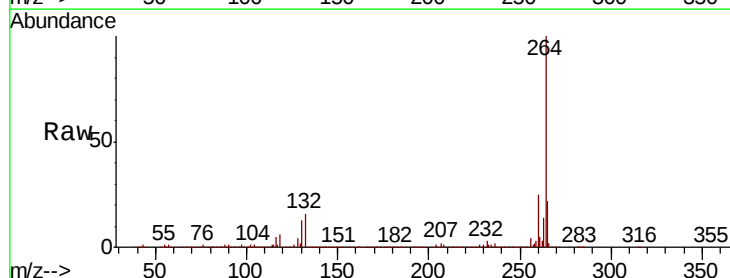
Tgt Ion:264 Resp: 842965

Ion Ratio Lower Upper

264 100

260 25.0 18.7 28.1

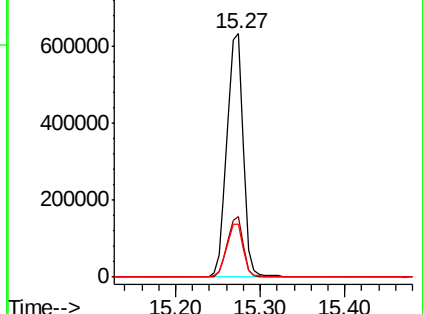
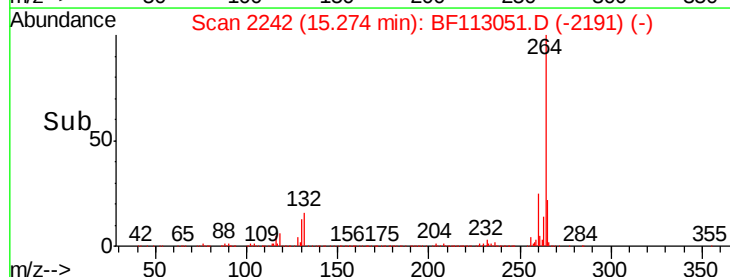
265 22.0 17.2 25.8

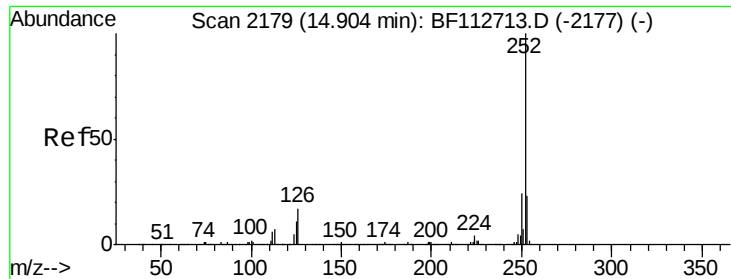


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

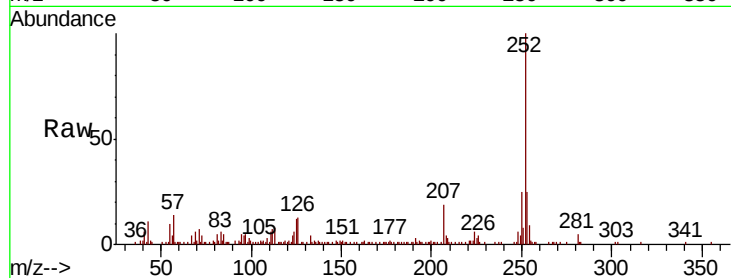




#89
 Benzo(k)fluoranthene
 Concen: 2.089 ng
 RT: 14.87 min Scan# 2173
 Delta R.T. -0.04 min
 Lab File: BF113051.D
 Acq: 14 Mar 2019 15:55

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-12-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	11.9	9.8	14.6



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

