

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031419\
 Data File : BF113057.D
 Acq On : 14 Mar 2019 18:42
 Operator : JU/SJ
 Sample : K1866-05 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-02-COMP

Quant Time: Mar 15 06:44:19 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

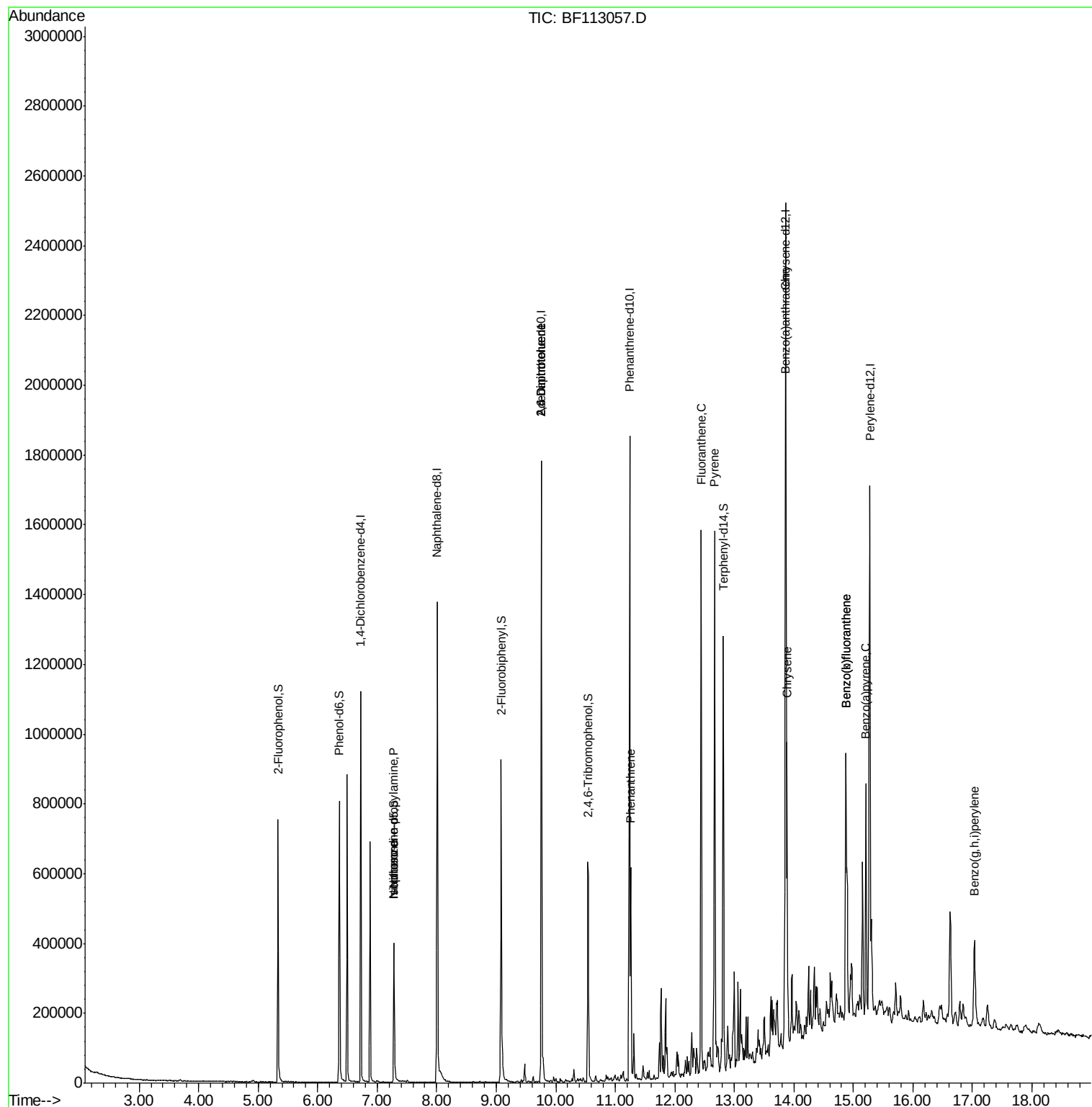
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	191651	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	758221	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	394264	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	783997	20.00	ng	0.00
76) Chrysene-d12	13.86	240	748800	20.00	ng	0.00
87) Perylene-d12	15.27	264	738444	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	217490	17.65	ng	-0.01
7) Phenol-d6	6.36	99	284751	18.40	ng	-0.01
23) Nitrobenzene-d5	7.28	82	153294	12.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	95842	22.90	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	371353	11.56	ng	-0.01
79) Terphenyl-d14	12.82	244	444085	11.50	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	20232	2.064	ng	# 78
25) Isophorone	7.28	82	144406	5.290	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	50236	8.298	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	50236	6.676	ng	# 17
71) Phenanthrene	11.26	178	221893	5.689	ng	97
75) Fluoranthene	12.44	202	636051	15.220	ng	95
78) Pyrene	12.67	202	637613	10.101	ng	99
81) Benzo(a)anthracene	13.85	228	344281	6.634	ng	98
83) Chrysene	13.89	228	337238	6.634	ng	98
88) Benzo(b)fluoranthene	14.87	252	577432	12.089	ng	98
89) Benzo(k)fluoranthene	14.87	252	577432	13.346	ng	98
90) Benzo(a)pyrene	15.21	252	321648	7.613	ng	97
92) Benzo(a,h,i)perylene	17.03	276	201256	5.559	ng	97

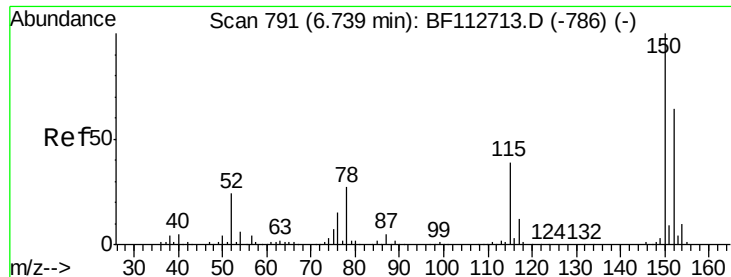
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF113057.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_F

ClientSampleId :

MR-MH-02-COMP

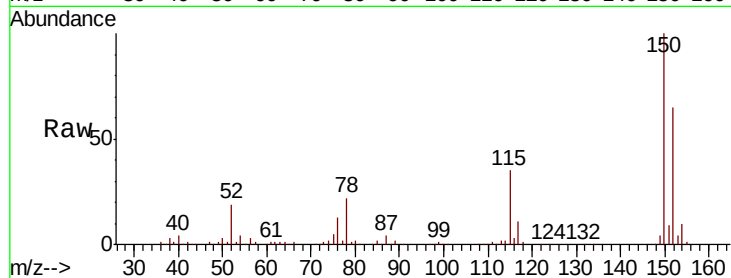
Tot Ion:152 Resp: 191651

Ion Ratio Lower Upper

152 100

150 154.3 124.2 186.2

115 53.8 48.2 72.4

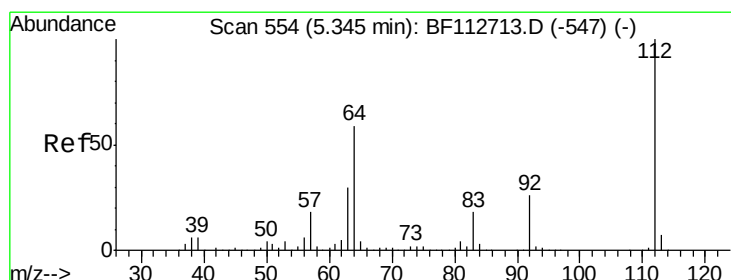
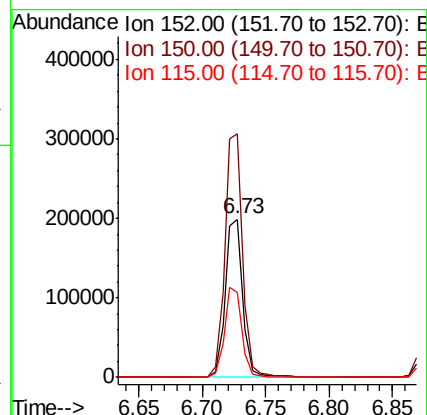
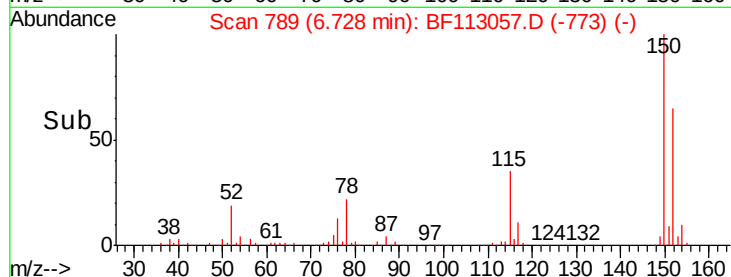


Abundance

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: 17.653 ng

RT: 5.33 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

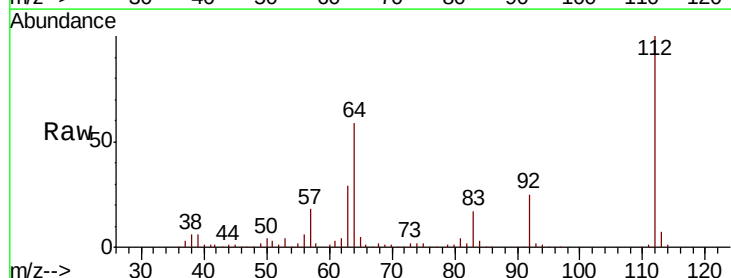
Tgt Ion:112 Resp: 217490

Ion Ratio Lower Upper

112 100

64 58.6 47.6 71.4

63 29.4 24.4 36.6

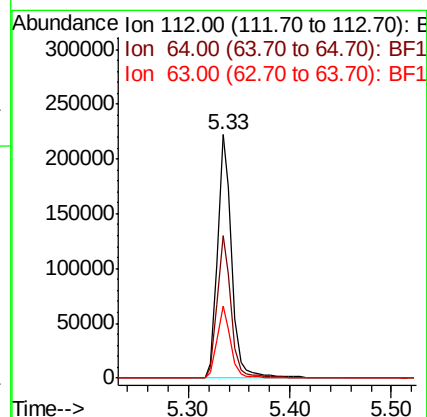
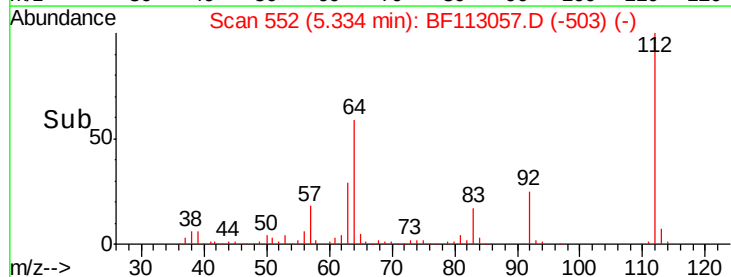


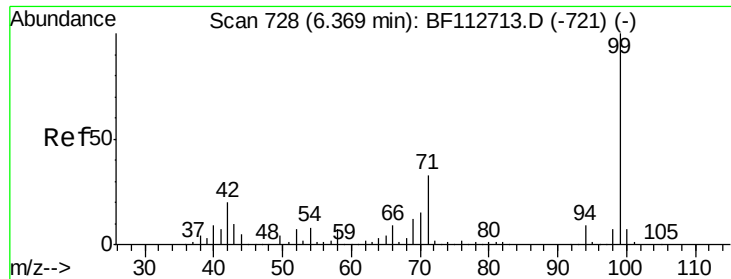
Abundance

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: 18.399 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_F

ClientSampleId :

MR-MH-02-COMP

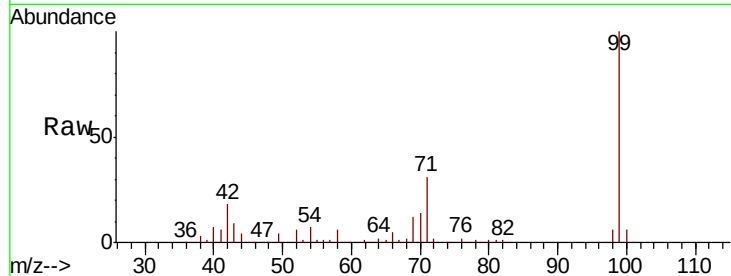
Tot Ion: 99 Resp: 284751

Ion Ratio Lower Upper

99 100

42 18.2 16.3 24.5

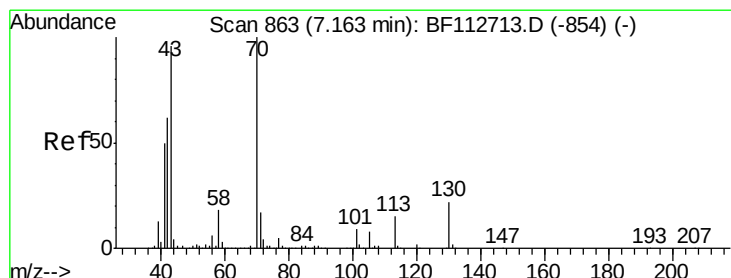
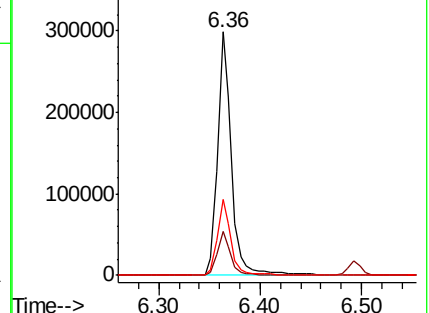
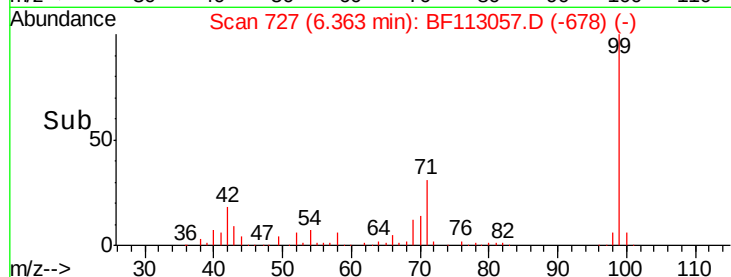
71 31.1 26.2 39.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.064 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.12 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Tgt Ion: 70 Resp: 20232

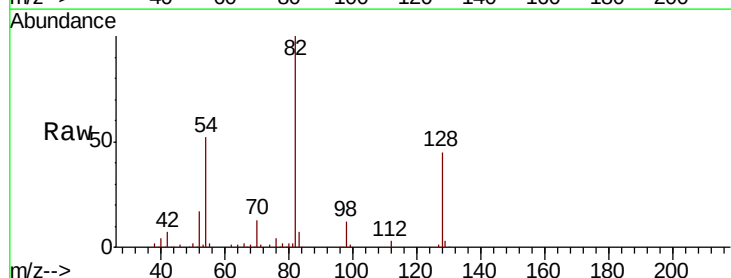
Ion Ratio Lower Upper

70 100

42 51.4 49.9 74.9

101 0.0 7.4 11.2#

130 2.3 17.4 26.2#

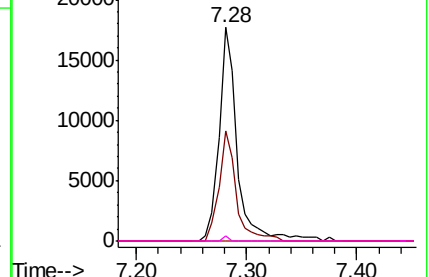
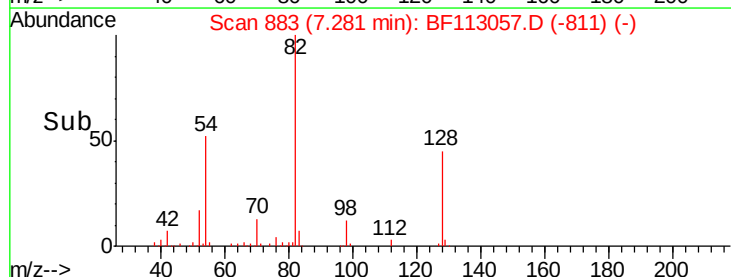


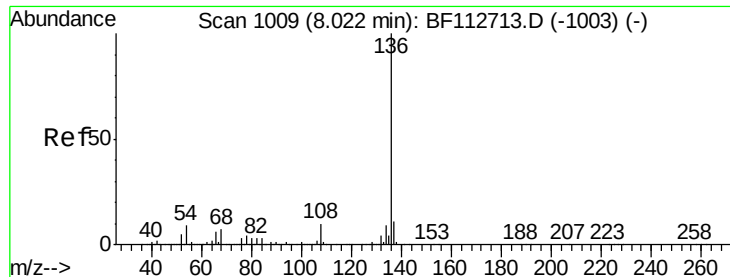
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

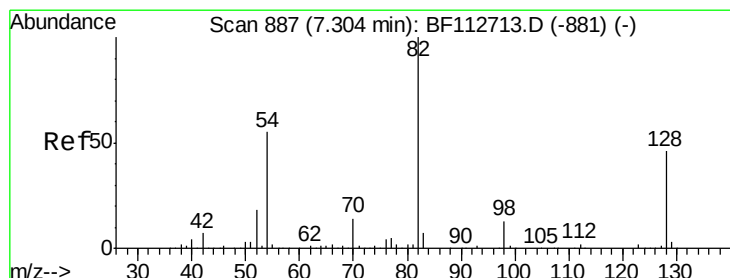
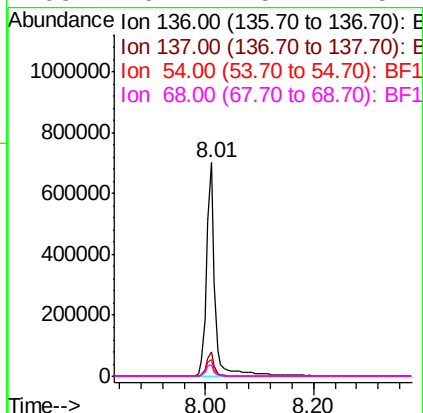
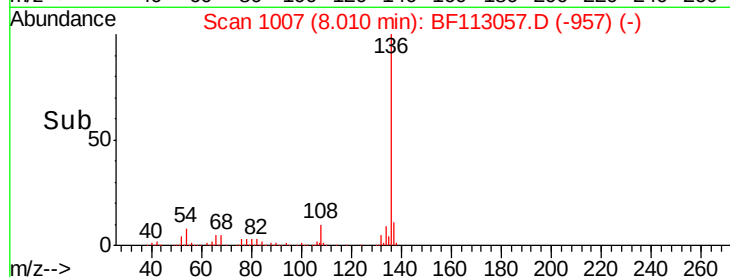
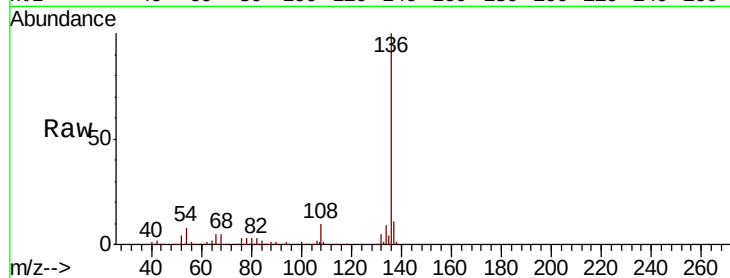




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

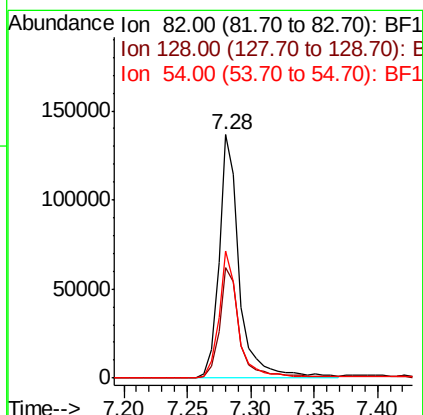
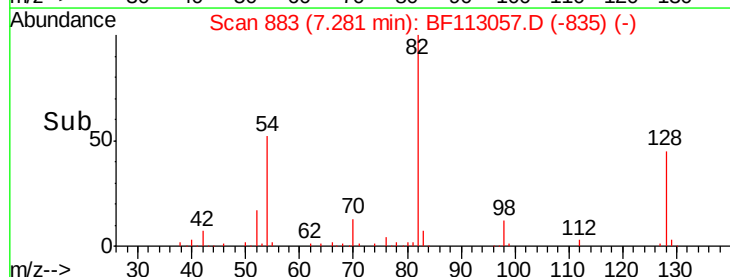
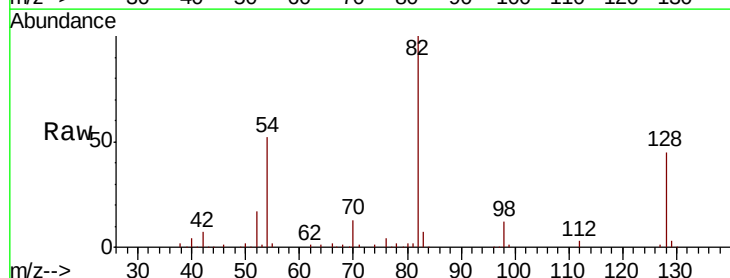
Instrument :
BNA_F
ClientSampleId :
MR-MH-02-COMP

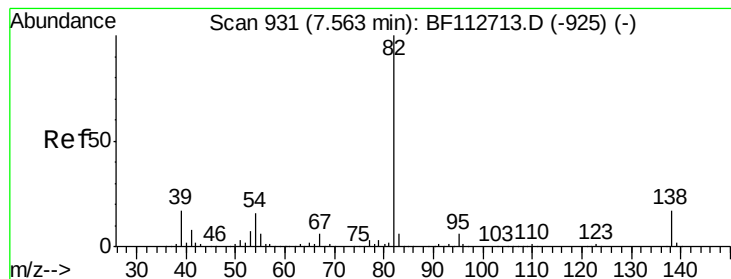
Tot Ion:136	Resp:	758221
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	7.8	7.3 10.9
68	5.4	5.4 8.2#



#23
Nitrobenzene-d5
Concen: 12.098 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

Tgt Ion: 82	Resp:	153294
Ion	Ratio	Lower Upper
82	100	
128	45.3	36.3 54.5
54	52.4	43.7 65.5





#25

Isophorone

Concen: 5.290 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_F

ClientSampleId :

MR-MH-02-COMP

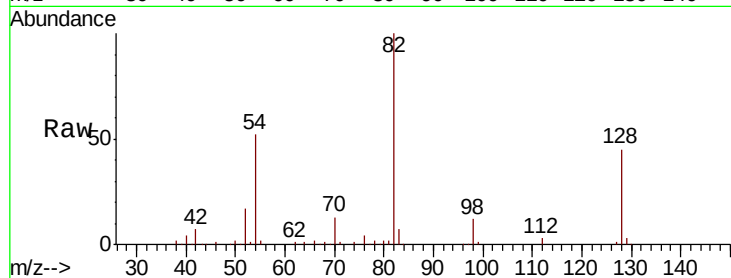
Tot Ion: 82 Resp: 144406

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

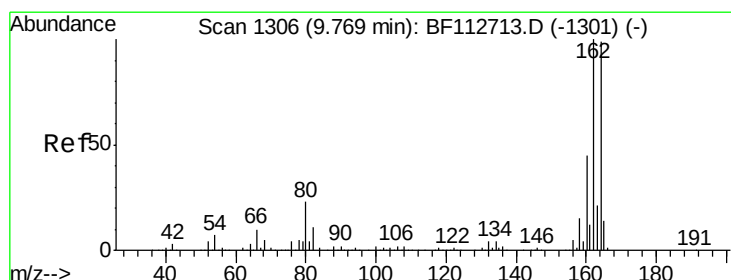
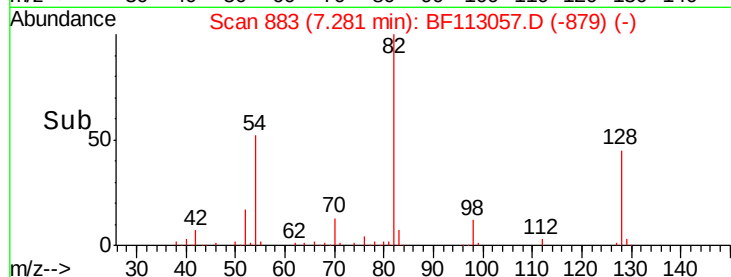
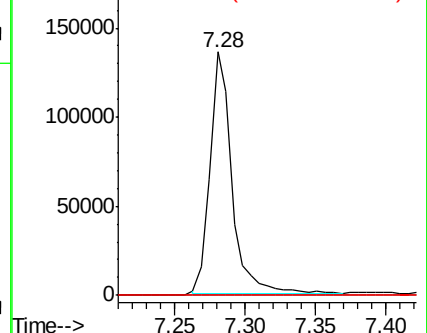
138 0.0 13.8 20.8#



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: BF113057.D

Acq: 14 Mar 2019 18:42

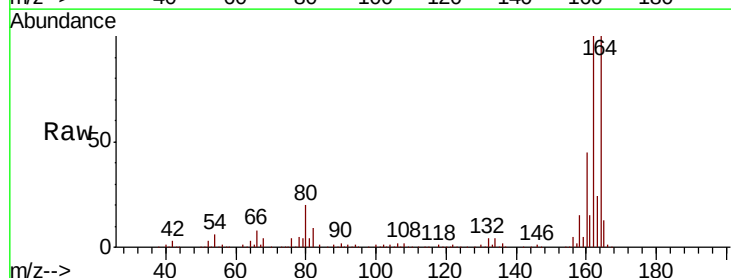
Tgt Ion: 164 Resp: 394264

Ion Ratio Lower Upper

164 100

162 100.0 80.6 120.8

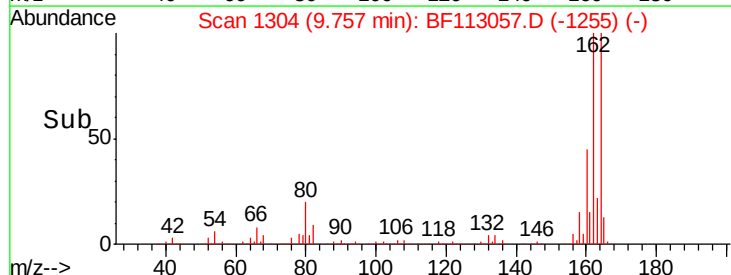
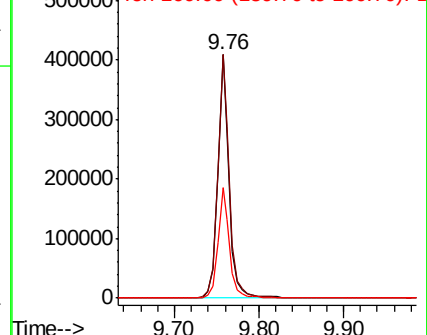
160 45.4 36.0 54.0

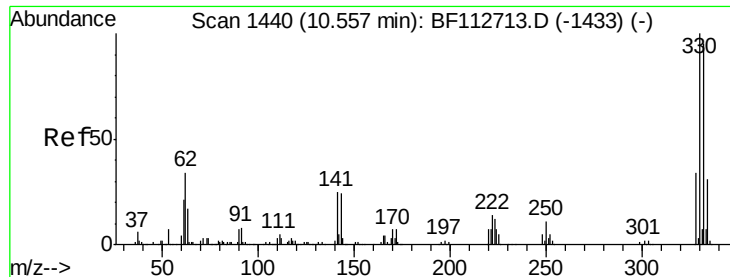


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

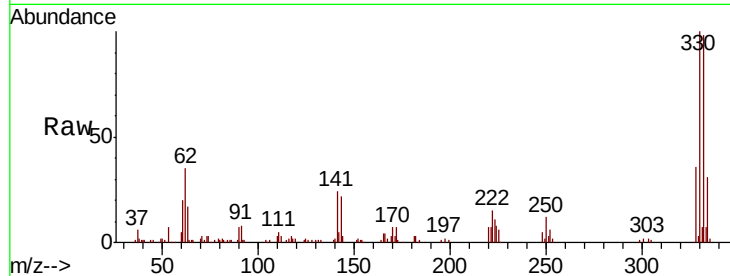




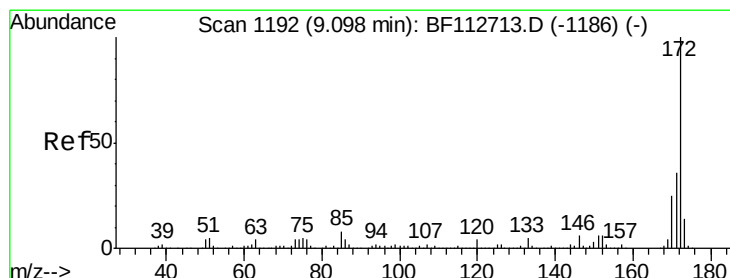
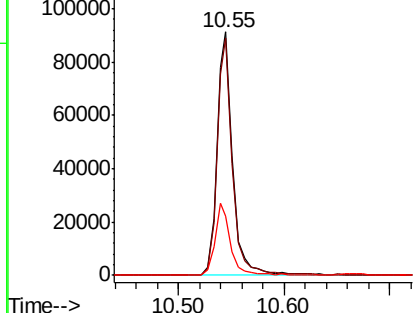
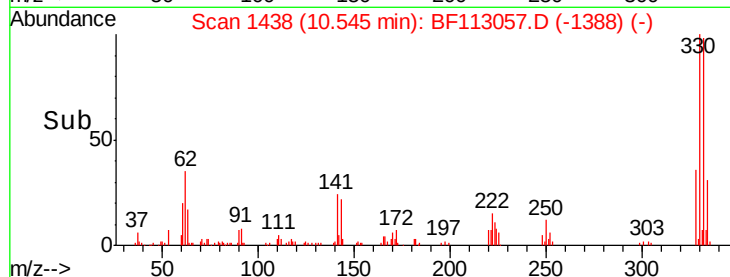
#42
 2,4,6-Tribromophenol
 Concen: 22.898 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113057.D
 Acq: 14 Mar 2019 18:42

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-02-COMP

Tot Ion:330 Resp: 95842
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.2 114.4
 141 29.2 27.0 40.6

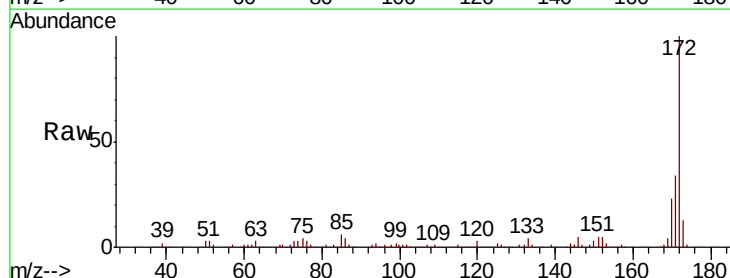


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

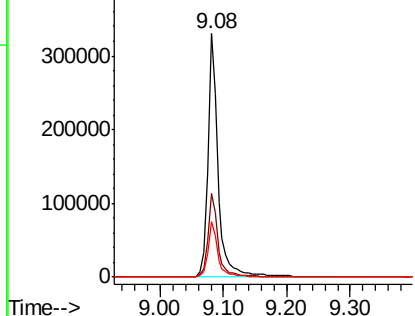
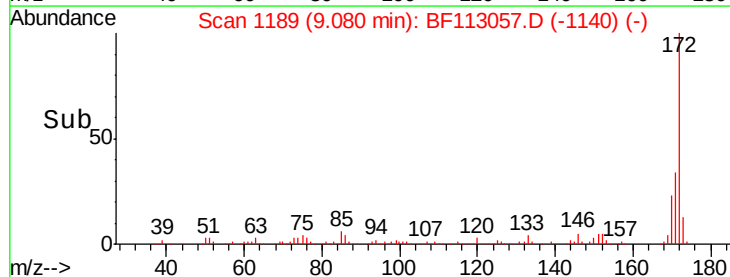


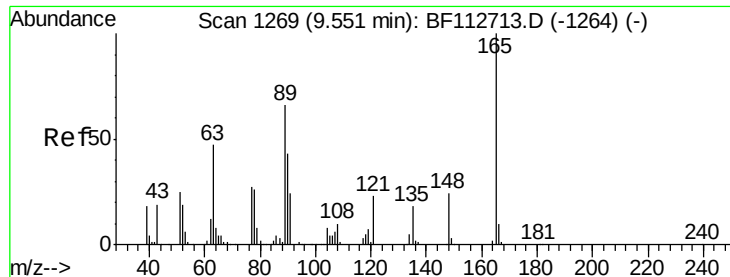
#45
 2-Fluorobiphenyl
 Concen: 11.560 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113057.D
 Acq: 14 Mar 2019 18:42

Tgt Ion:172 Resp: 371353
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.0 43.4
 170 22.9 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





#51

2,6-Dinitrotoluene

Concen: 8.298 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_F

ClientSampleId :

MR-MH-02-COMP

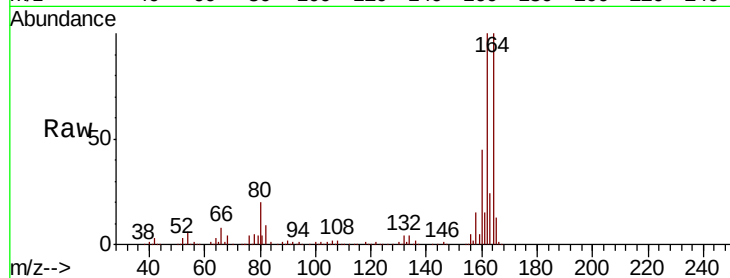
Tot Ion:165 Resp: 50236

Ion Ratio Lower Upper

165 100

63 1.2 54.1 81.1#

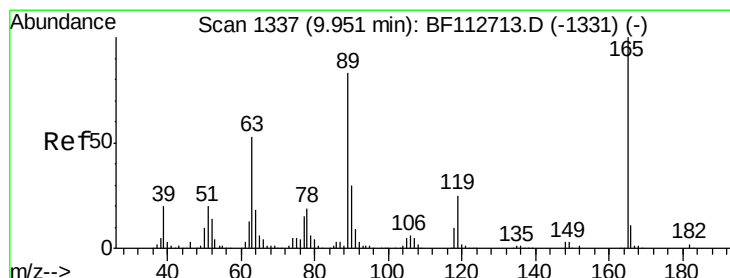
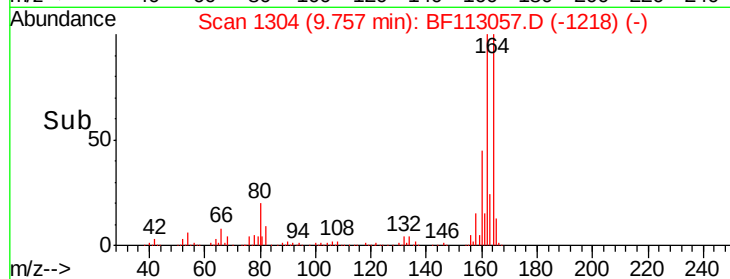
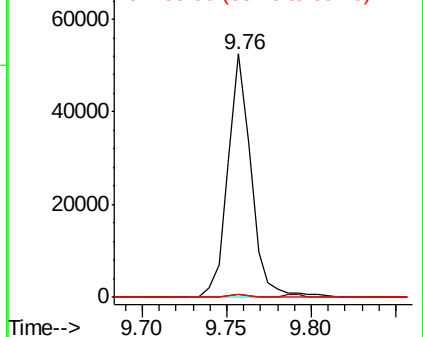
89 1.3 52.8 79.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.676 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Tgt Ion:165 Resp: 50236

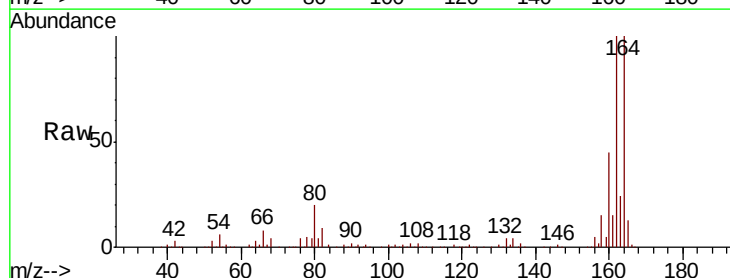
Ion Ratio Lower Upper

165 100

63 1.2 42.2 63.2#

89 1.3 66.2 99.4#

182 0.0 1.8 2.6#

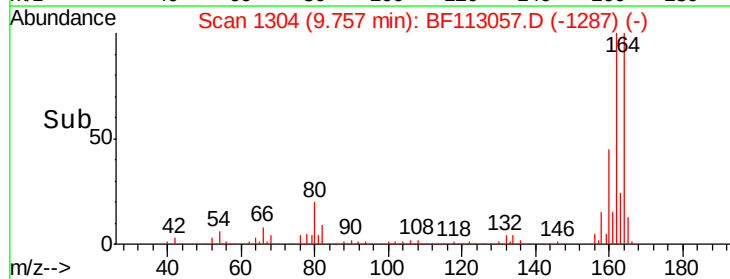
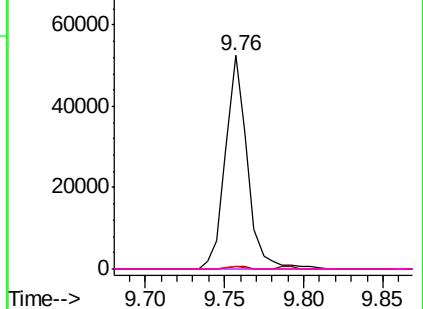


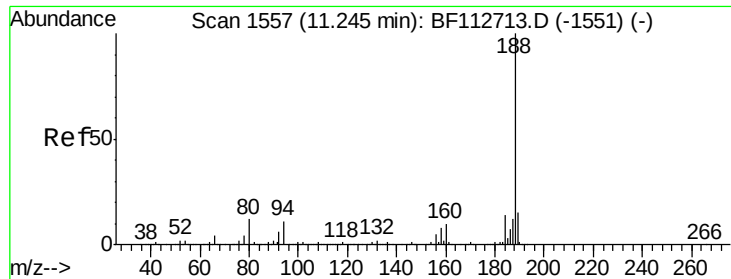
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_F

ClientSampleId :

MR-MH-02-COMP

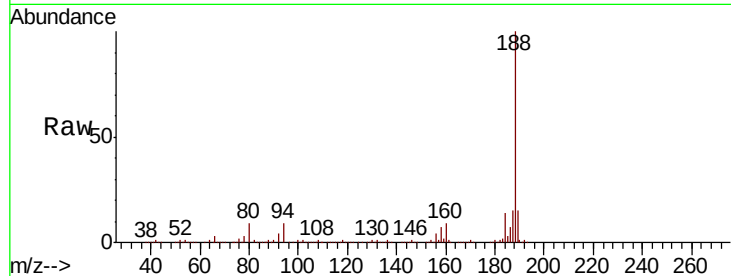
Tot Ion:188 Resp: 783997

Ion Ratio Lower Upper

188 100

94 8.7 9.0 13.4#

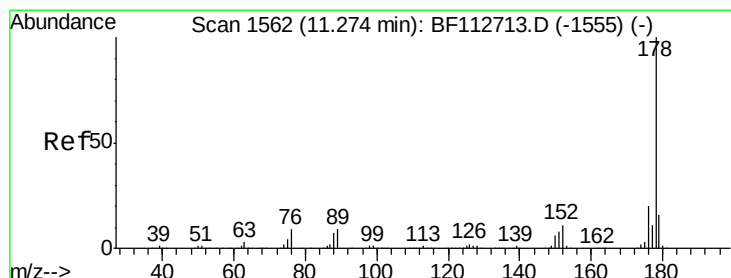
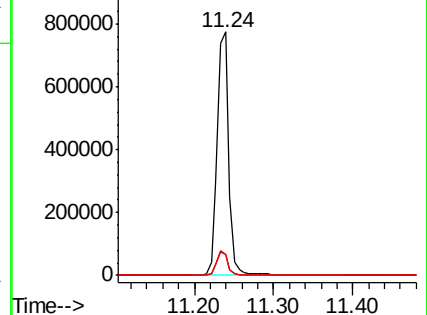
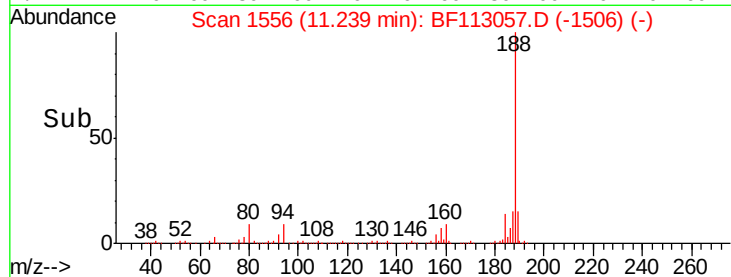
80 8.7 9.2 13.8#



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



#71

Phenanthrene

Concen: 5.689 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

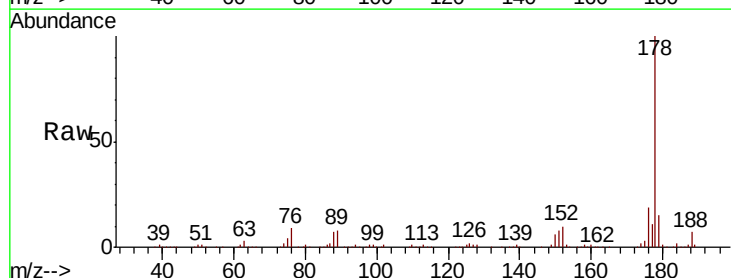
Tgt Ion:178 Resp: 221893

Ion Ratio Lower Upper

178 100

176 18.6 16.3 24.5

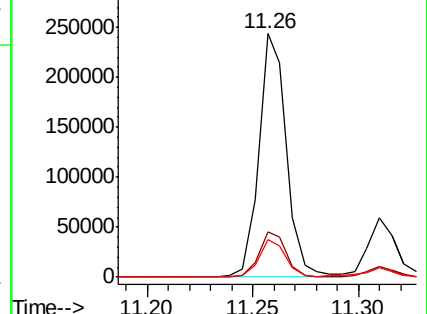
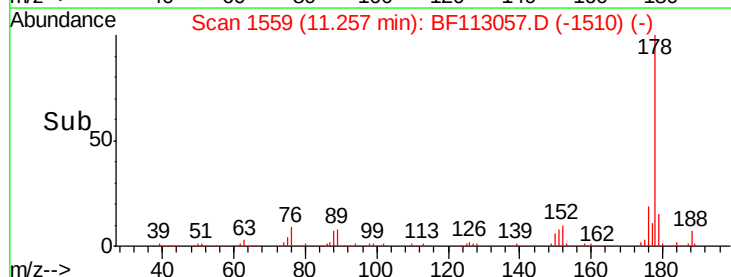
179 15.2 12.7 19.1

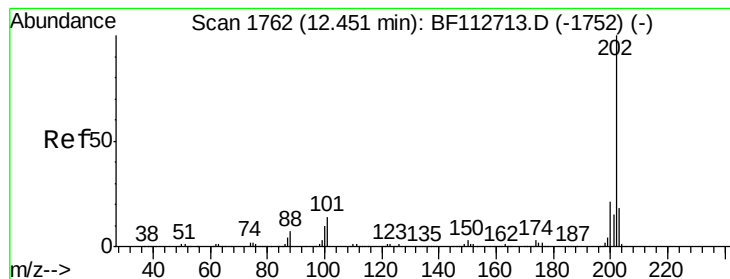


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 15.220 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_F

ClientSampleId :

MR-MH-02-COMP

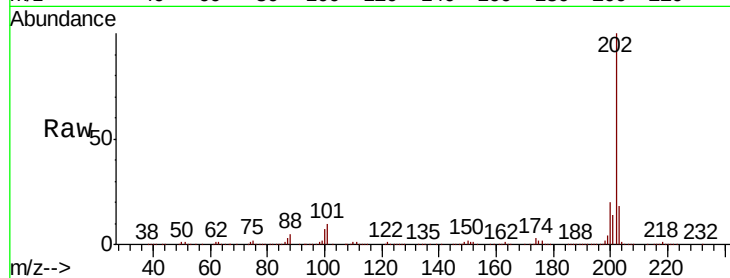
Tot Ion:202 Resp: 636051

Ion Ratio Lower Upper

202 100

101 9.8 0.0 33.8

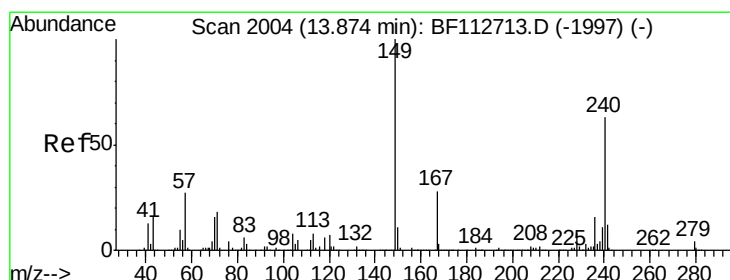
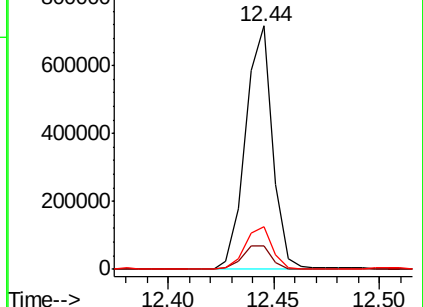
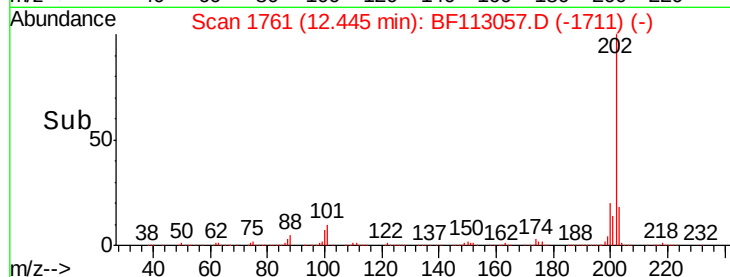
203 17.5 0.0 38.4



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: BF113057.D

Acq: 14 Mar 2019 18:42

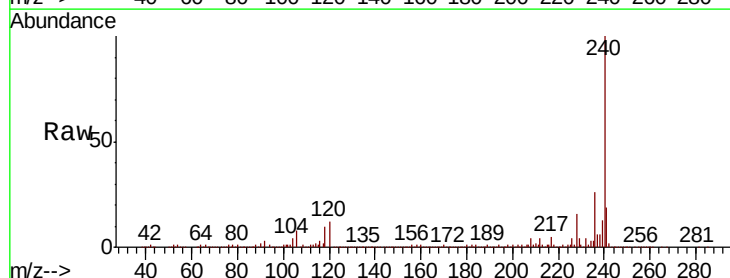
Tgt Ion:240 Resp: 748800

Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

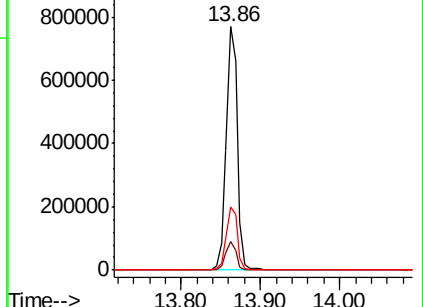
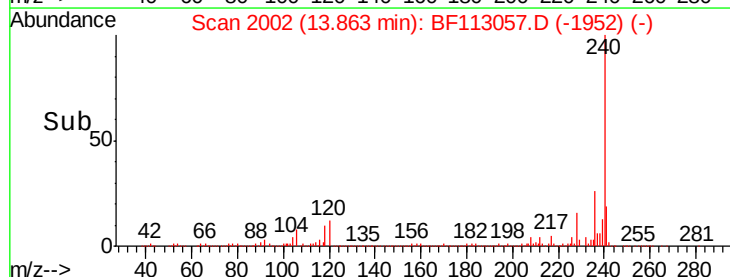
236 26.1 20.7 31.1

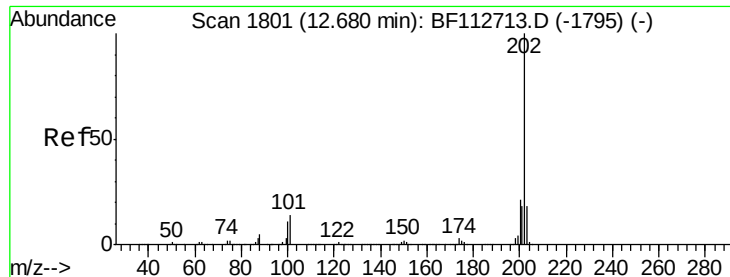


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

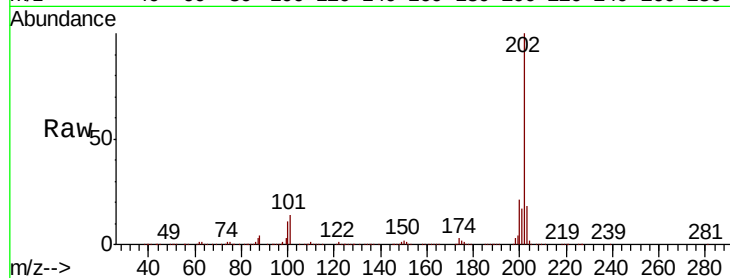




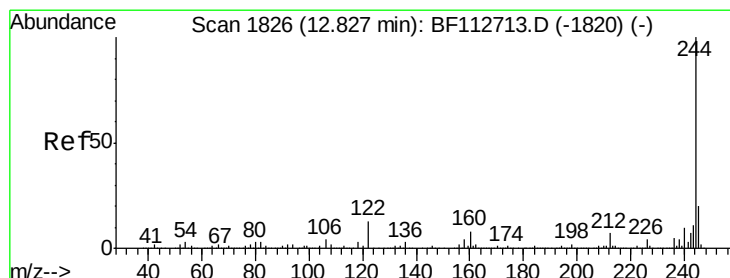
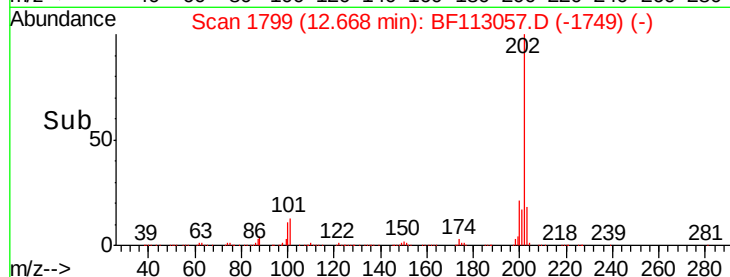
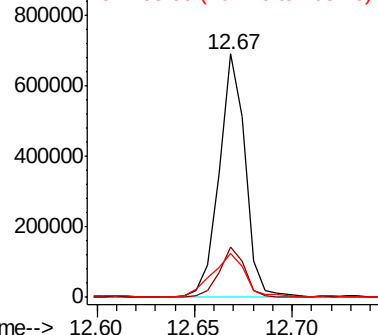
#78
Pvrene
Concen: 10.101 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

Instrument :
BNA_F
ClientSampleId :
MR-MH-02-COMP

Tot Ion:202 Resp: 637613
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.4
203 18.1 14.4 21.6

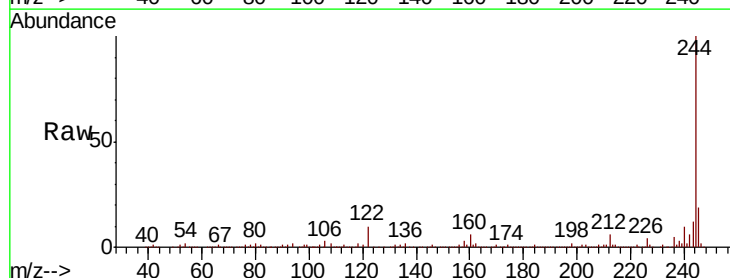


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

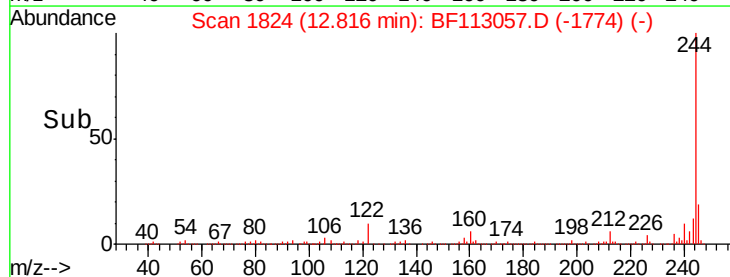
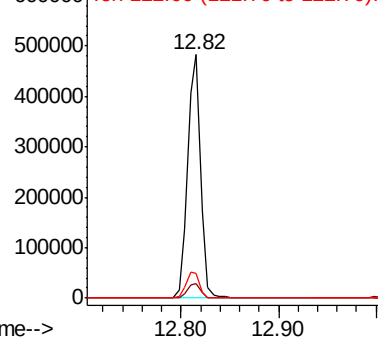


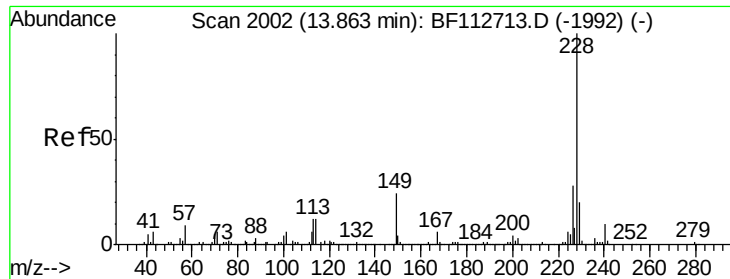
#79
Terphenyl-d14
Concen: 11.496 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

Tgt Ion:244 Resp: 444085
Ion Ratio Lower Upper
244 100
212 6.2 5.6 8.4
122 10.1 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





#81

Benzo(a)anthracene

Concen: 6.634 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_F

ClientSampleId :

MR-MH-02-COMP

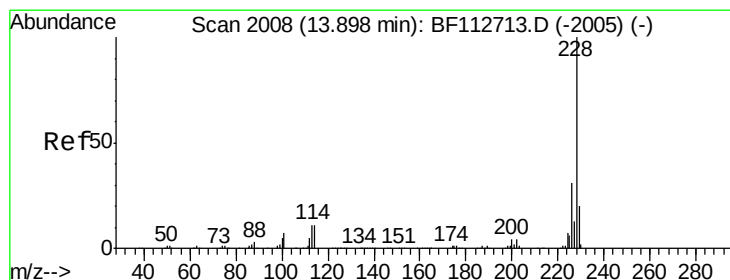
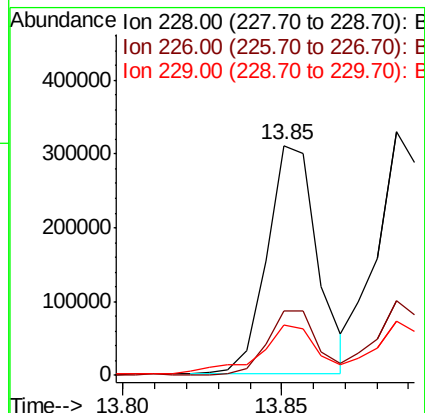
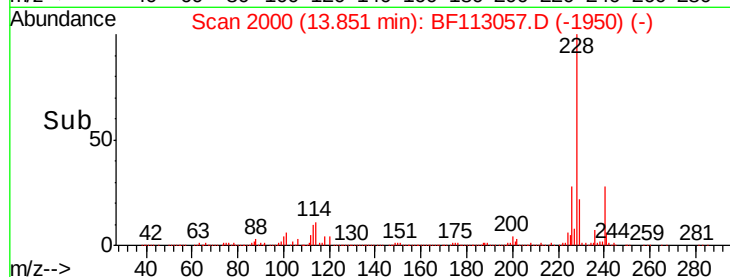
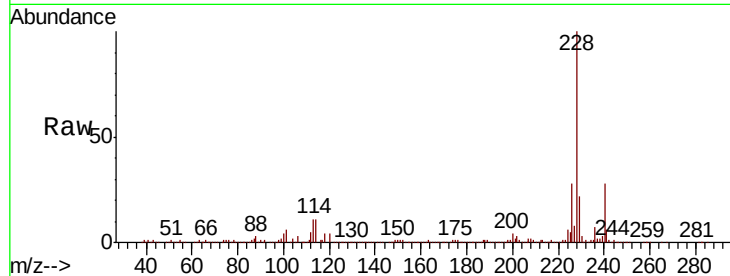
Tot Ion:228 Resp: 344281

Ion Ratio Lower Upper

228 100

226 27.9 22.2 33.4

229 22.0 16.0 24.0



#83

Chrysene

Concen: 6.634 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

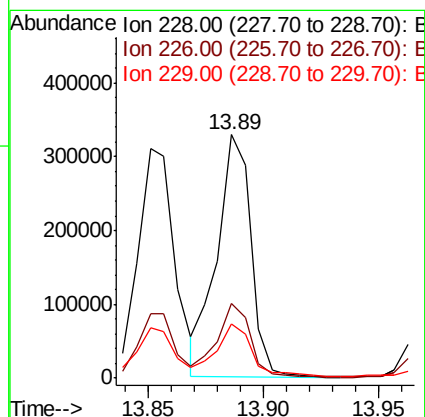
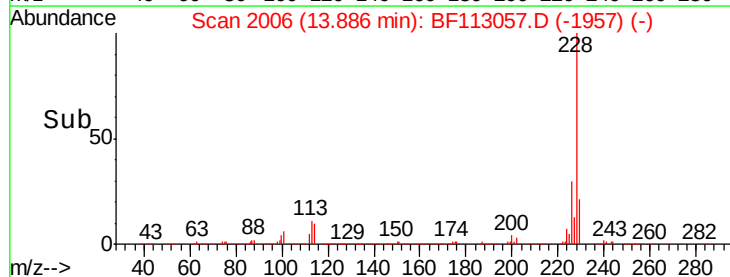
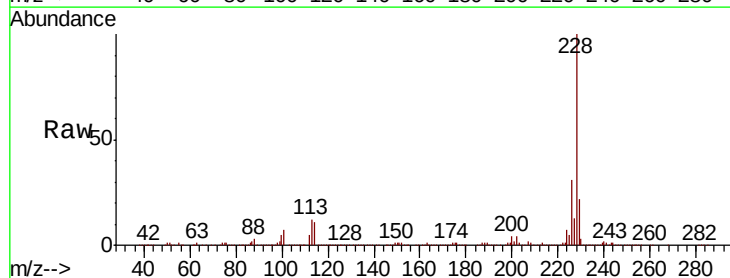
Tgt Ion:228 Resp: 337238

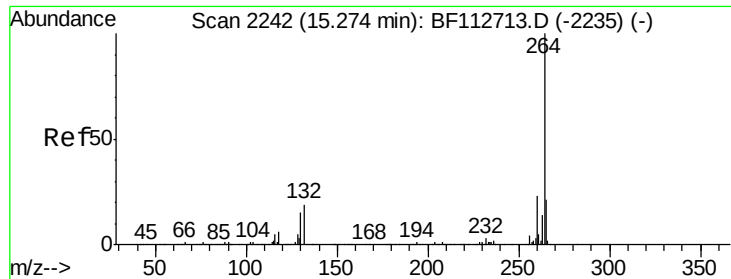
Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

229 22.3 16.3 24.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_F

ClientSampleId :

MR-MH-02-COMP

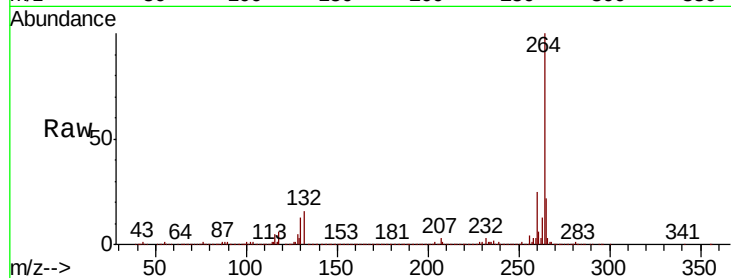
Tot Ion:264 Resp: 738444

Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

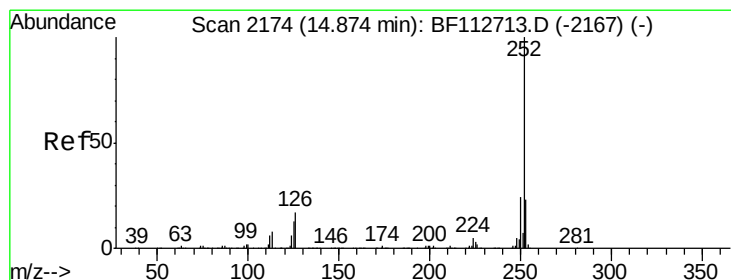
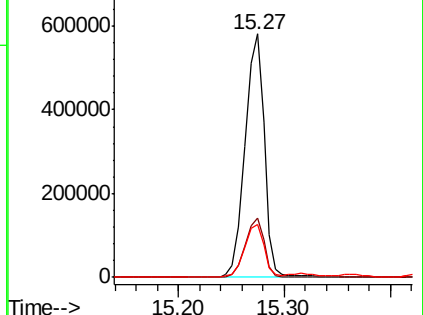
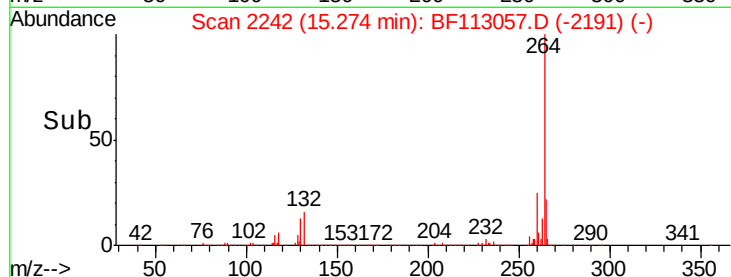
265 21.7 17.2 25.8



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



#88

Benzo(b)fluoranthene

Concen: 12.089 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

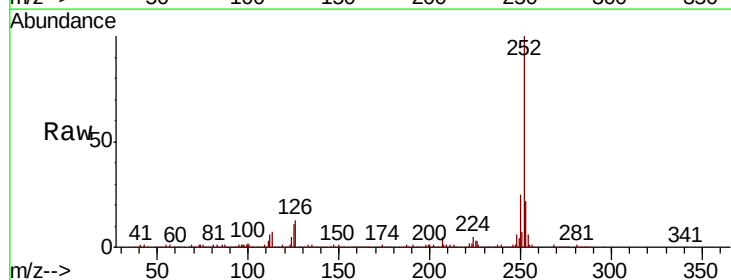
Tgt Ion:252 Resp: 577432

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

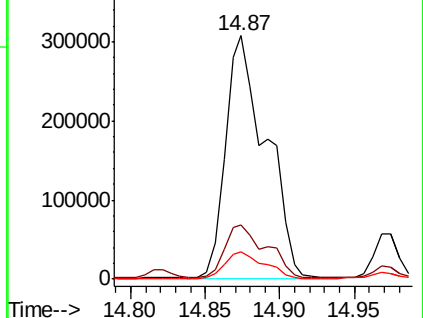
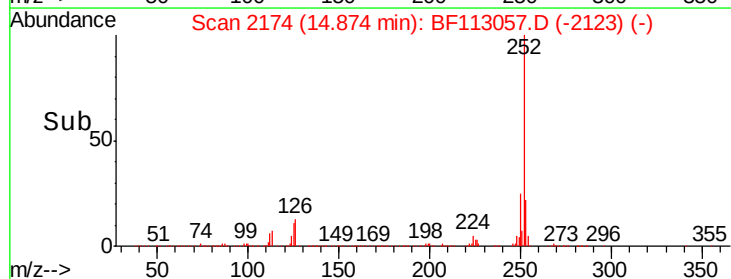
125 11.0 10.2 15.2

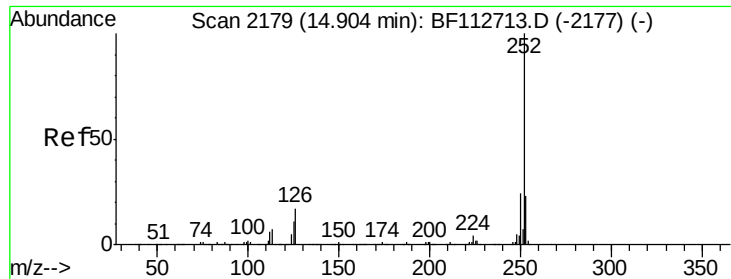


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

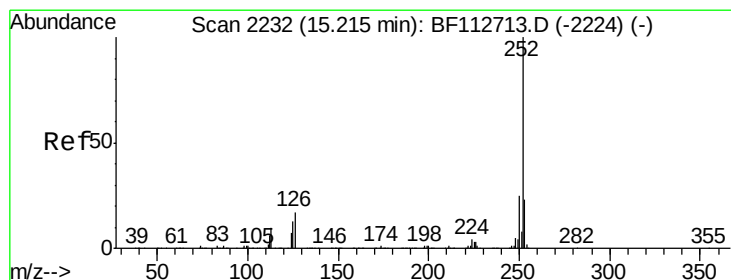
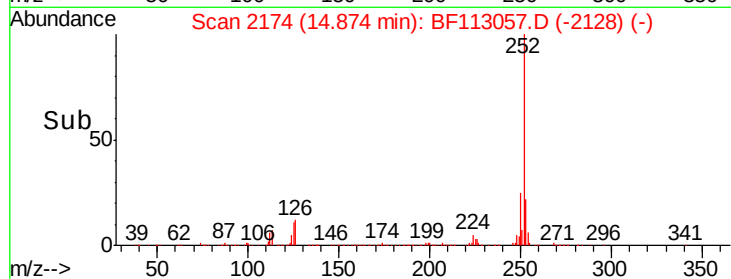
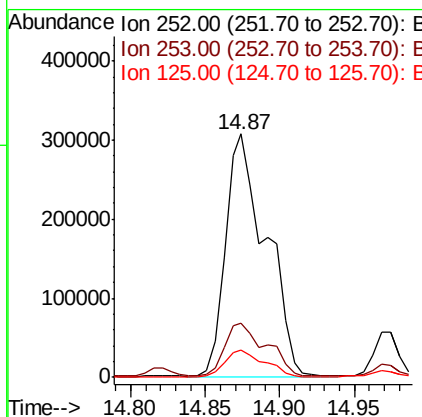
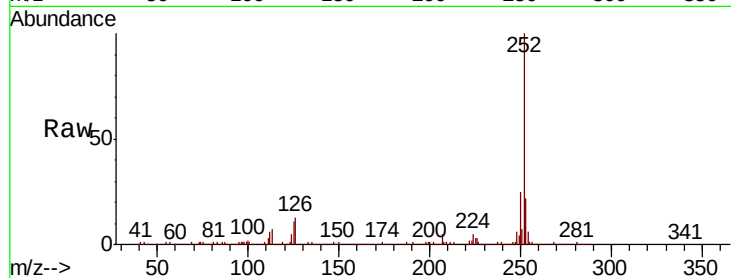




#89
Benzo(k)fluoranthene
Concen: 13.346 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

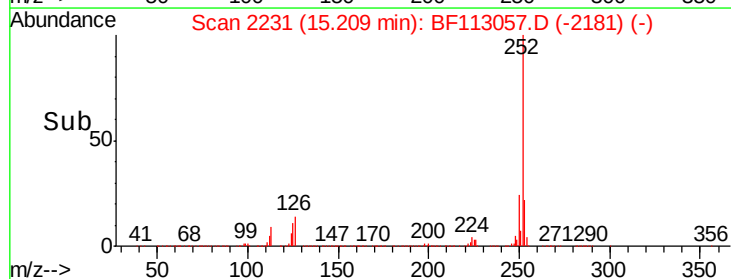
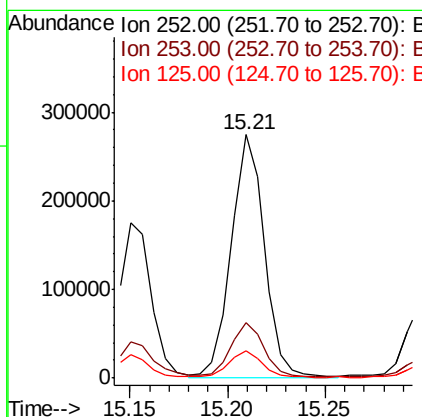
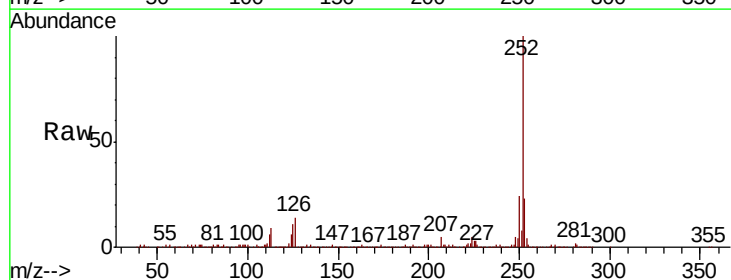
Instrument :
BNA_F
ClientSampleId :
MR-MH-02-COMP

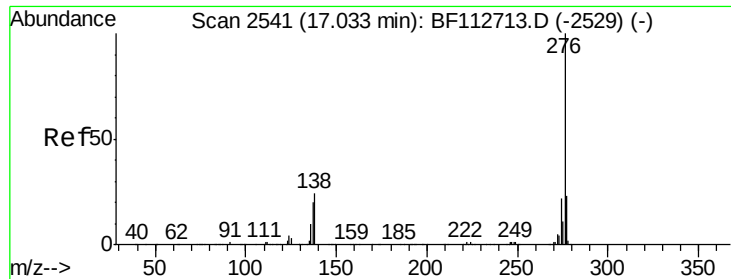
Tot Ion:252 Resp: 577432
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 11.0 9.8 14.6



#90
Benzo(a)pyrene
Concen: 7.613 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

Tgt Ion:252 Resp: 321648
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 11.1 10.7 16.1





#92
 Benzo(a,h,i)perylene
 Concen: 5.559 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. -0.01 min
 Lab File: BF113057.D
 Acq: 14 Mar 2019 18:42

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-02-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.6	27.8
138	21.5	19.4	29.0

