

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031419\
 Data File : BF113050.D
 Acq On : 14 Mar 2019 15:28
 Operator : JU/SJ
 Sample : K1866-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-15-COMP

Quant Time: Mar 15 06:42:41 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	214372	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	813624	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	391320	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	816049	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	772501	20.00	ng	0.00
87) Perylene-d12	15.27	264	793085	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1383411	100.38	ng	0.00
7) Phenol-d6	6.37	99	1815594	104.88	ng	0.00
23) Nitrobenzene-d5	7.29	82	1129980	83.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	564373	135.85	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1892952	78.56	ng	0.00
79) Terphenyl-d14	12.82	244	2101923	52.75	ng	0.00

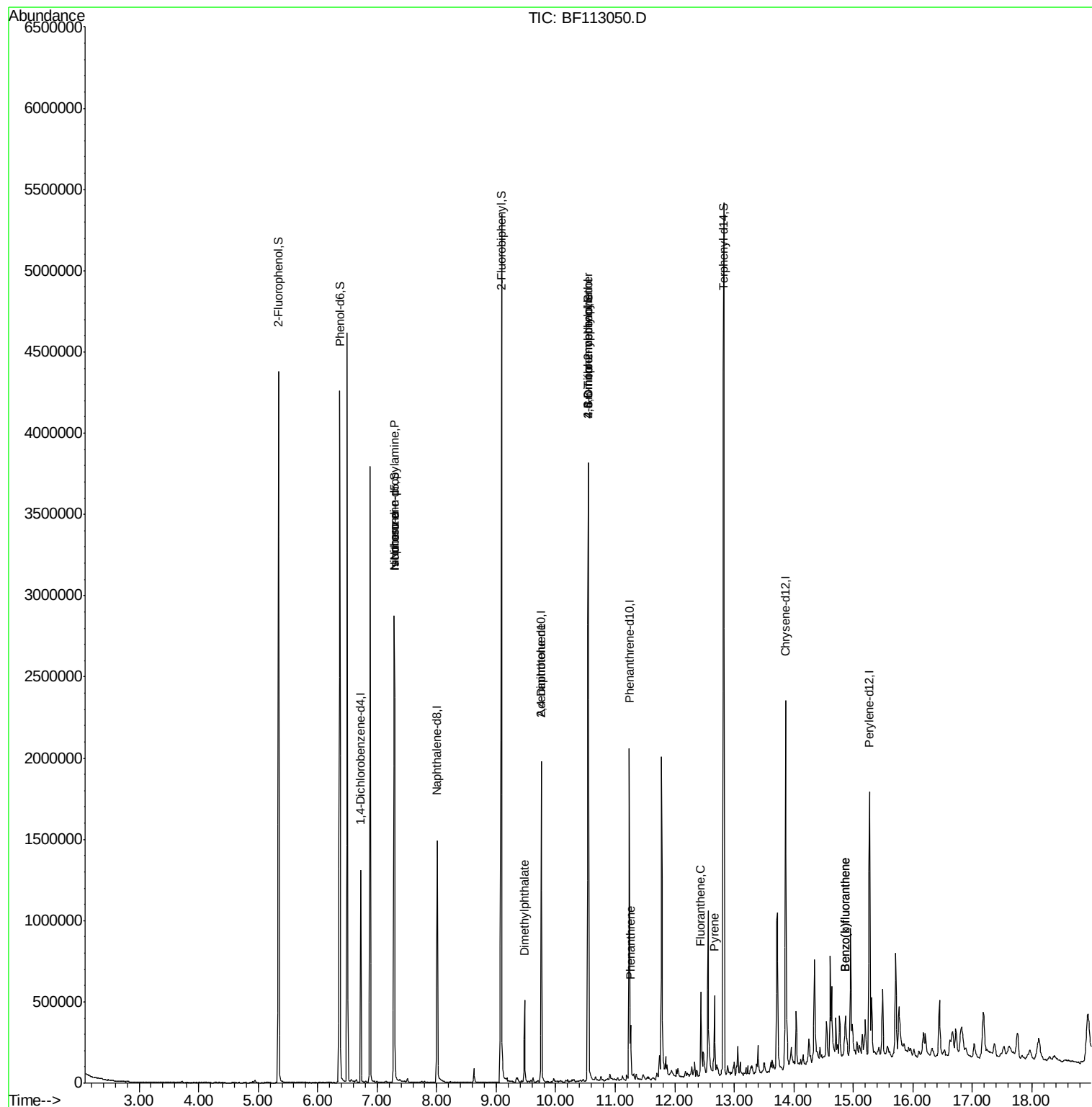
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	147505	13.454	ng	# 76
25) Isophorone	7.29	82	1097565	37.469	ng	# 66
50) Dimethylphthalate	9.47	163	206616	7.161	ng	100
57) 2,4-Dinitrotoluene	9.76	165	49415	6.616	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	945	4.867	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	32547	3.787	ng	# 1
71) Phenanthrene	11.26	178	102583	2.527	ng	98
75) Fluoranthene	12.44	202	206332	4.743	ng	97
78) Pyrene	12.67	202	199341	3.061	ng	96
88) Benzo(b)fluoranthene	14.87	252	164350	3.204	ng	98
89) Benzo(k)fluoranthene	14.87	252	164350	3.537	ng	99

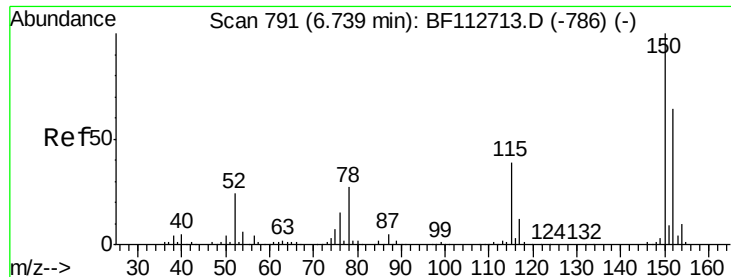
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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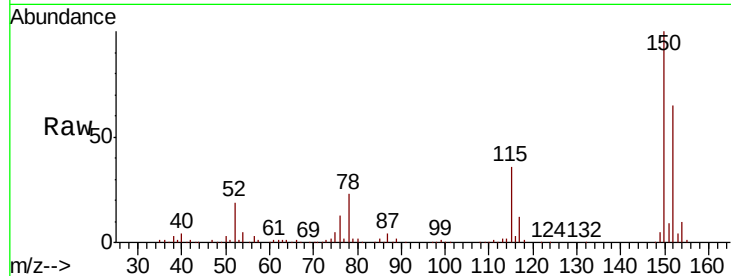


#1

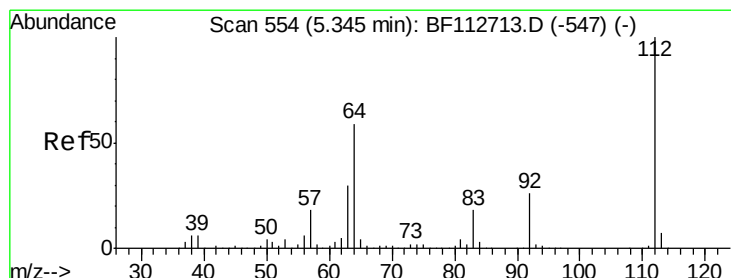
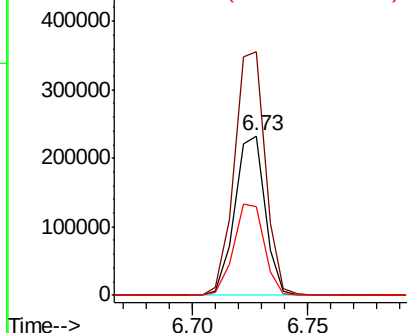
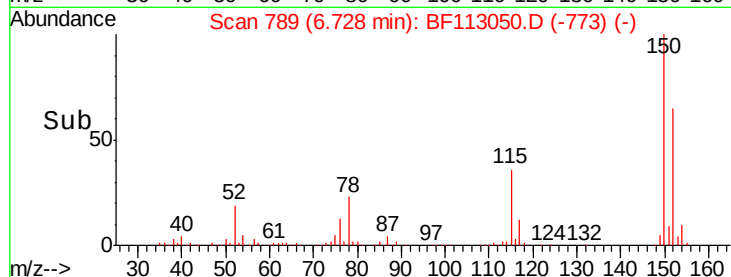
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF113050.D
 Acq: 14 Mar 2019 15:28

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-15-COMP

Tot Ion:152 Resp: 214372
 Ion Ratio Lower Upper
 152 100
 150 152.8 124.2 186.2
 115 55.6 48.2 72.4



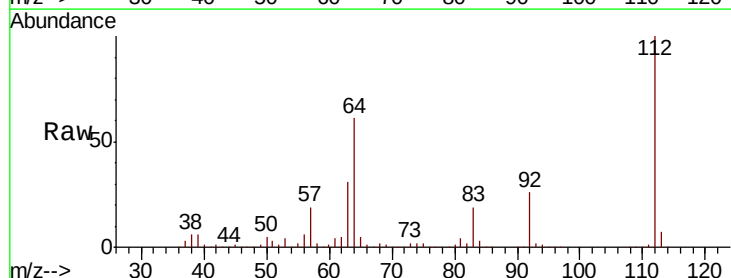
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



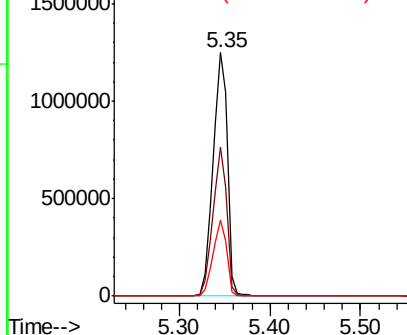
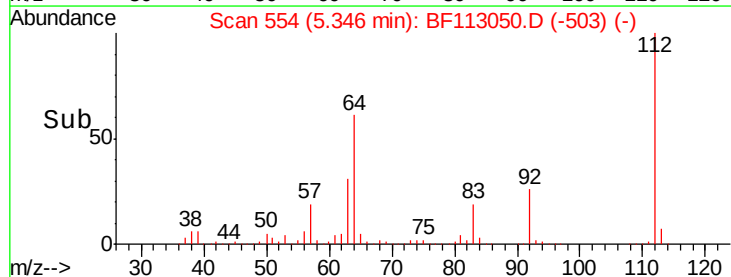
#5

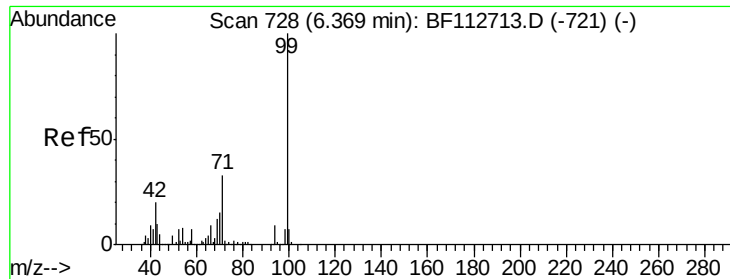
2-Fluorophenol
 Concen: 100.384 ng
 RT: 5.35 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF113050.D
 Acq: 14 Mar 2019 15:28

Tgt Ion:112 Resp: 1383411
 Ion Ratio Lower Upper
 112 100
 64 60.9 47.6 71.4
 63 31.3 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: 104.878 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF113050.D

Acq: 14 Mar 2019 15:28

Instrument :

BNA_F

ClientSampleId :

MR-MH-15-COMP

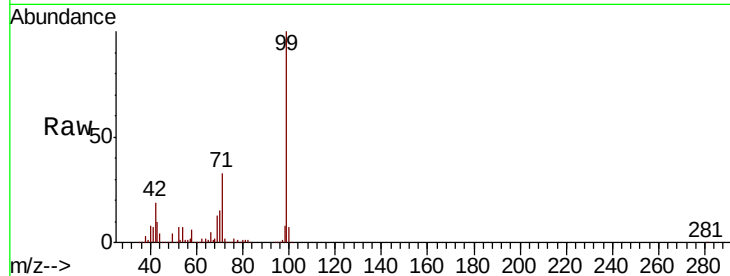
Tot Ion: 99 Resp: 1815594

Ion Ratio Lower Upper

99 100

42 19.0 16.3 24.5

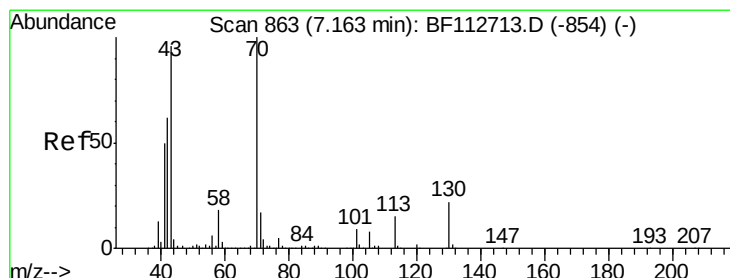
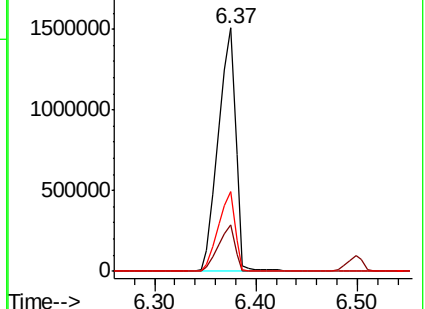
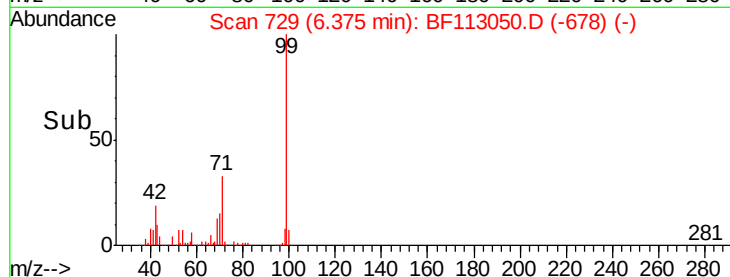
71 32.6 26.2 39.4



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: 13.454 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF113050.D

Acq: 14 Mar 2019 15:28

Tgt Ion: 70 Resp: 147505

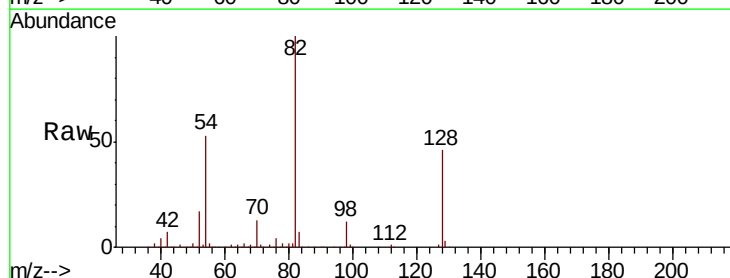
Ion Ratio Lower Upper

70 100

42 48.9 49.9 74.9#

101 0.0 7.4 11.2#

130 2.2 17.4 26.2#

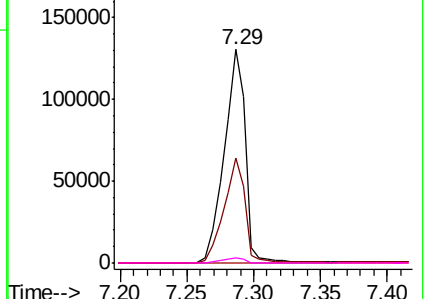
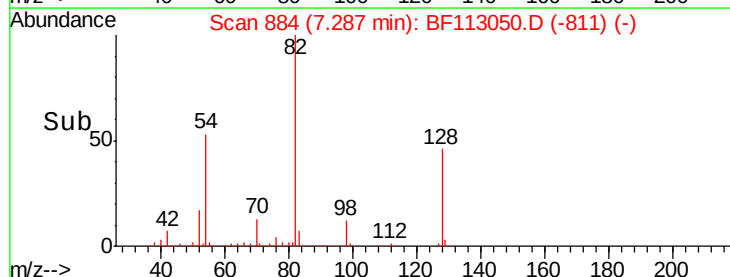


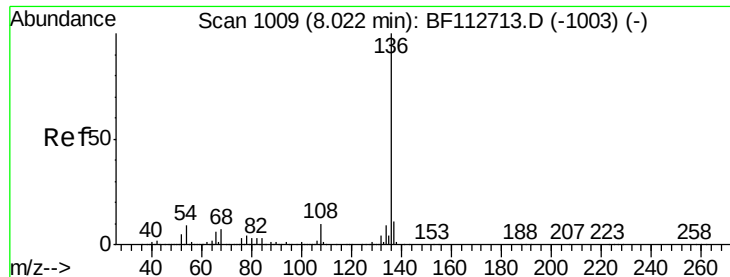
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

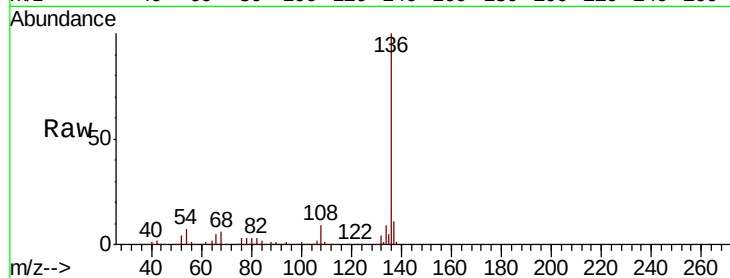




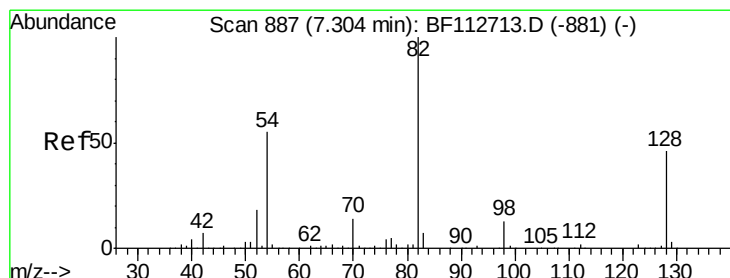
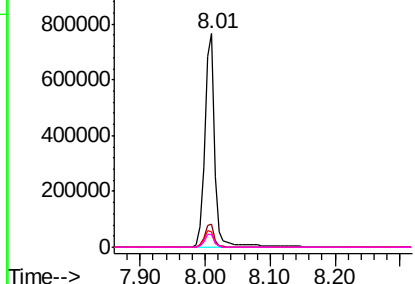
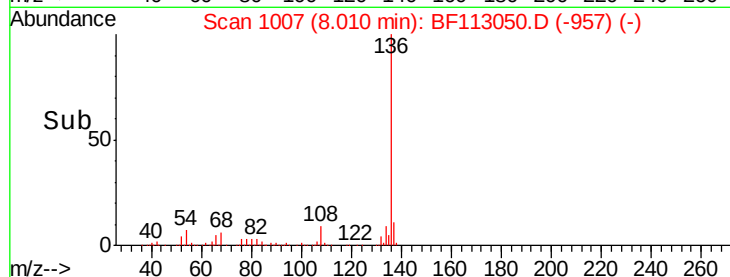
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113050.D
Acq: 14 Mar 2019 15:28

Instrument :
BNA_F
ClientSampleId :
MR-MH-15-COMP

Tot Ion:136	Resp:	813624
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.9	13.3
54 7.4	7.3	10.9
68 5.8	5.4	8.2

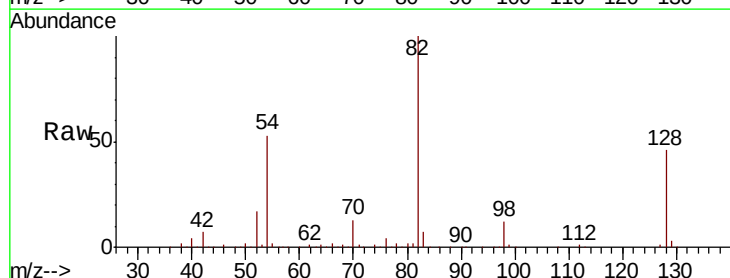


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

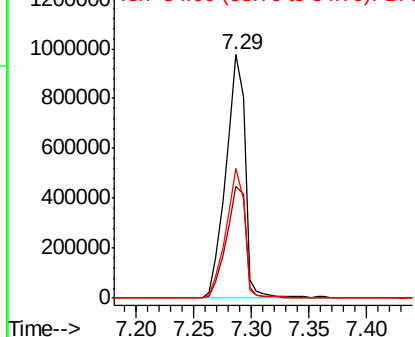
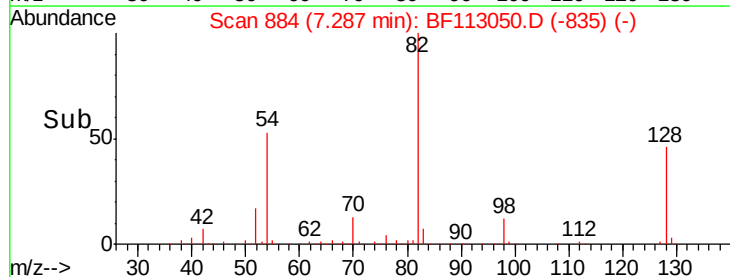


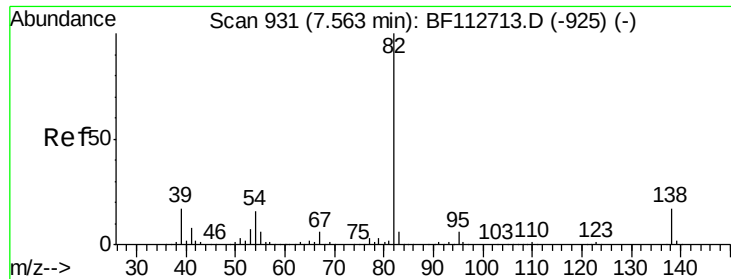
#23
Nitrobenzene-d5
Concen: 83.104 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113050.D
Acq: 14 Mar 2019 15:28

Tgt Ion: 82	Resp: 1129980
Ion Ratio	Lower Upper
82 100	
128 45.9	36.3 54.5
54 53.4	43.7 65.5



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

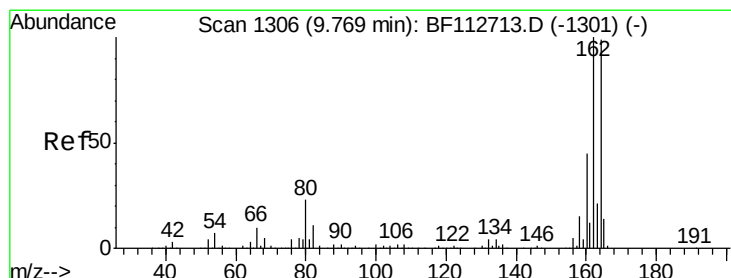
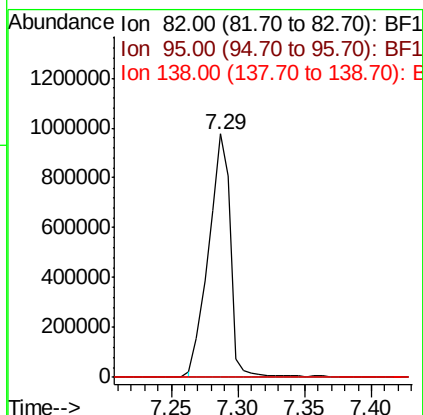
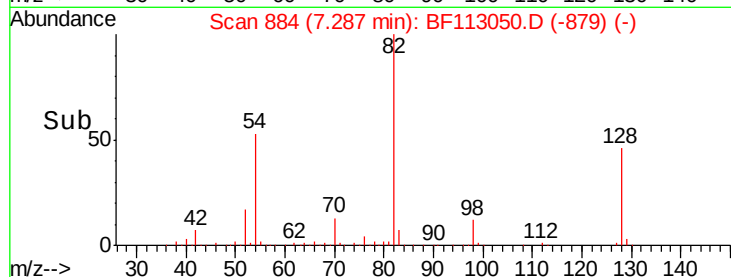
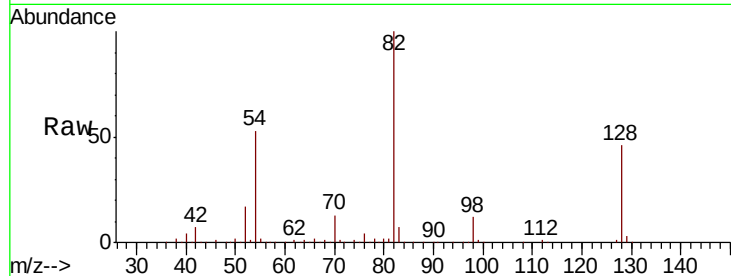




#25
Isophorone
Concen: 37.469 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.27 min
Lab File: BF113050.D
Acq: 14 Mar 2019 15:28

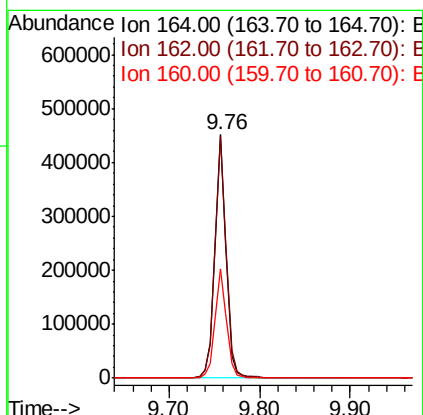
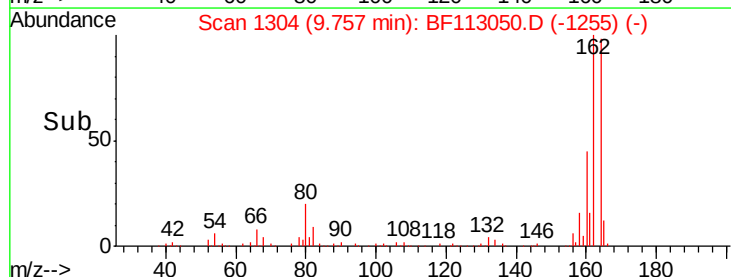
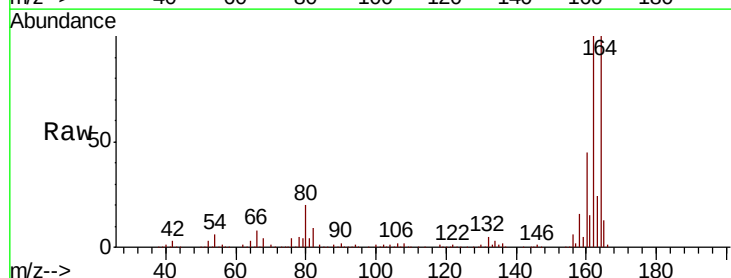
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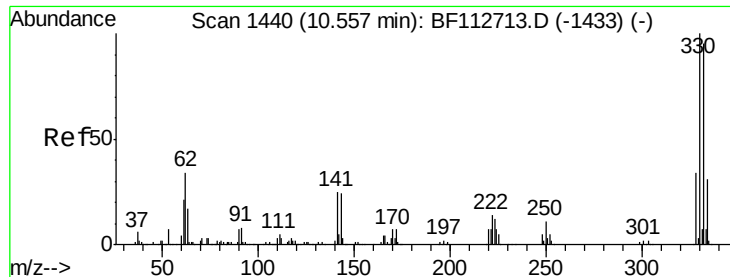
Tot Ion: 82 Resp: 1097565
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113050.D
Acq: 14 Mar 2019 15:28

Tgt Ion: 164 Resp: 391320
Ion Ratio Lower Upper
164 100
162 99.7 80.6 120.8
160 44.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 135.851 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113050.D

Acq: 14 Mar 2019 15:28

Instrument :

BNA_F

ClientSampleId :

MR-MH-15-COMP

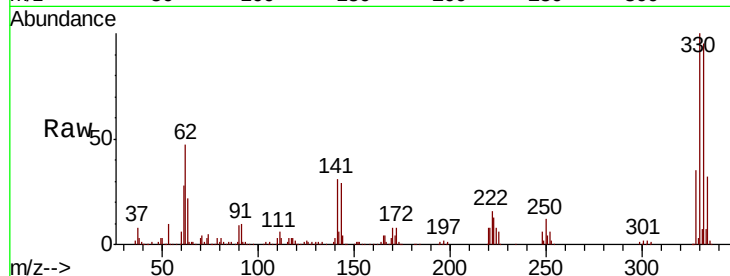
Tot Ion:330 Resp: 564373

Ion Ratio Lower Upper

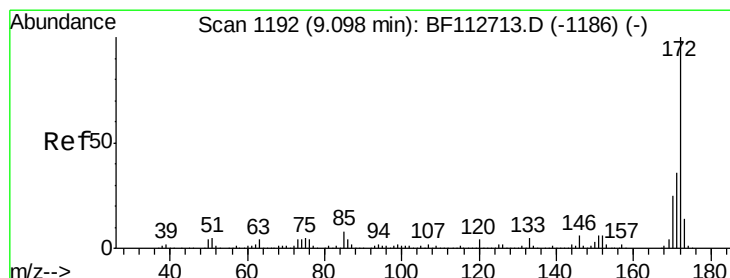
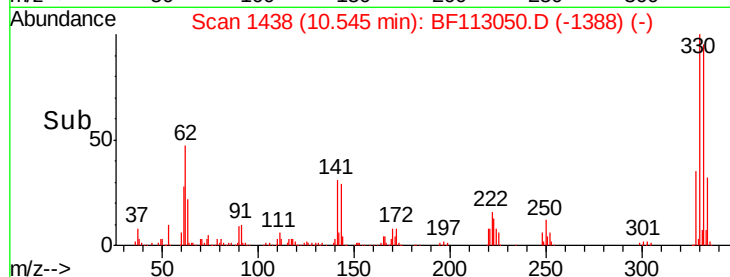
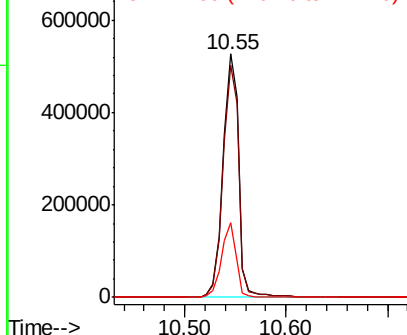
330 100

332 95.9 76.2 114.4

141 28.8 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: 78.557 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF113050.D

Acq: 14 Mar 2019 15:28

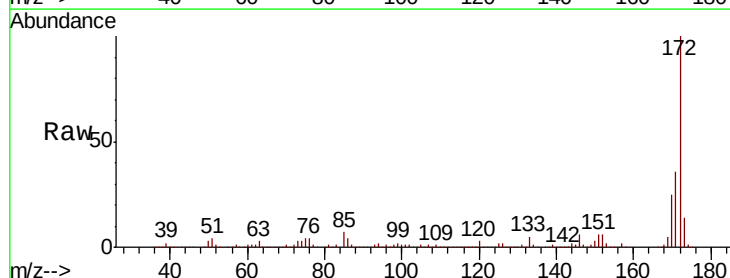
Tgt Ion:172 Resp: 1892952

Ion Ratio Lower Upper

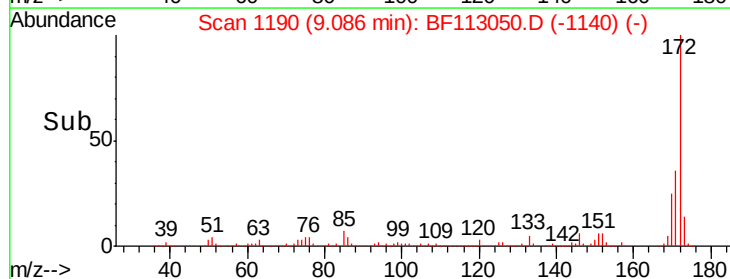
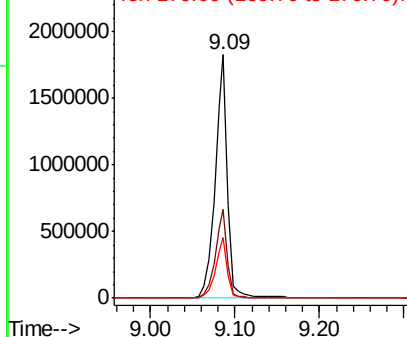
172 100

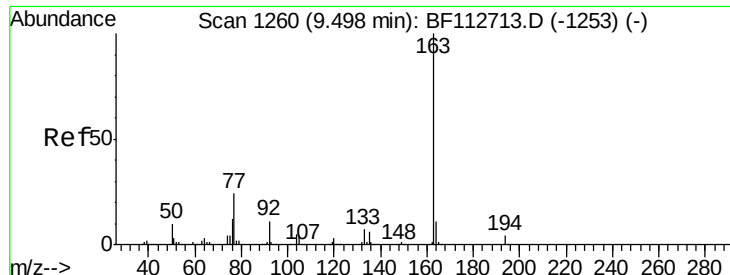
171 36.5 29.0 43.4

170 24.9 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

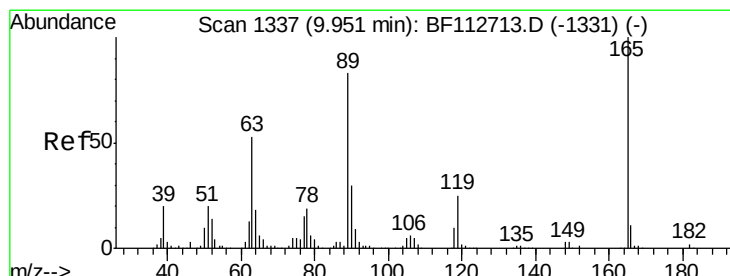
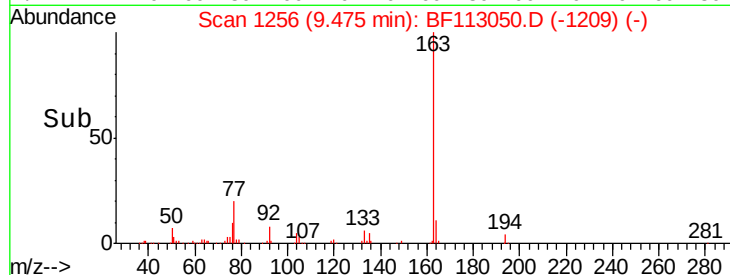
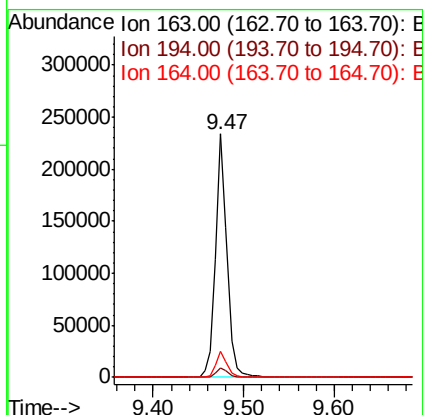
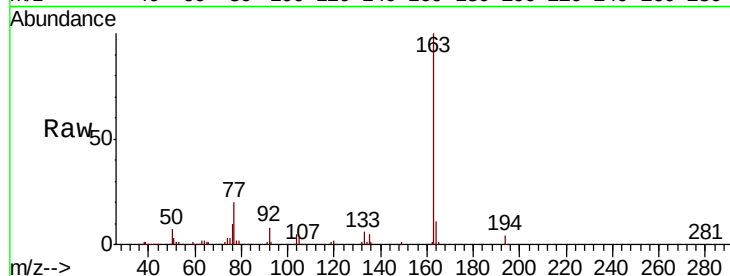




#50
Dimethylphthalate
Concen: 7.161 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF113050.D
Acq: 14 Mar 2019 15:28

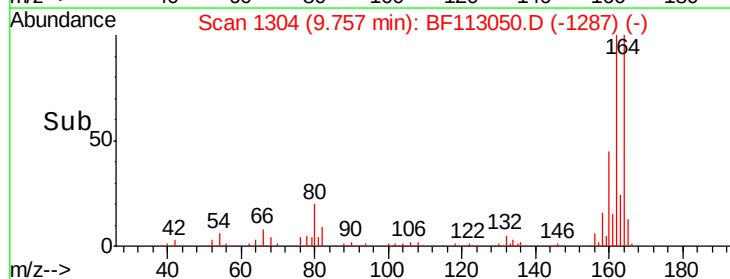
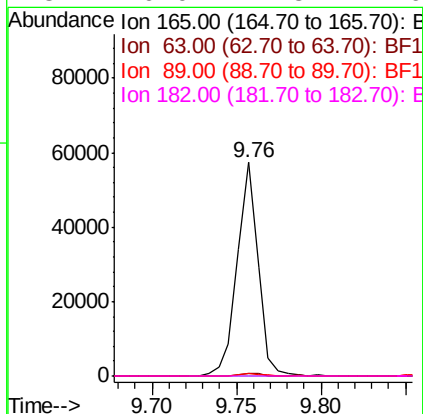
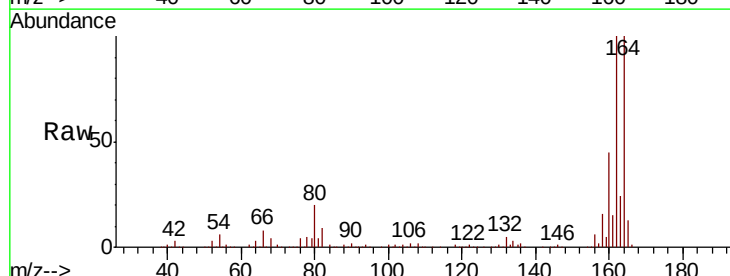
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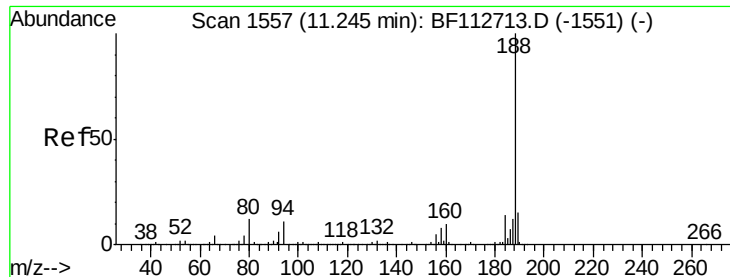
Tot Ion:163 Resp: 206616
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 10.7 8.4 12.6



#57
2,4-Dinitrotoluene
Concen: 6.616 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.20 min
Lab File: BF113050.D
Acq: 14 Mar 2019 15:28

Tgt Ion:165 Resp: 49415
Ion Ratio Lower Upper
165 100
63 1.4 42.2 63.2#
89 1.3 66.2 99.4#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113050.D

Acq: 14 Mar 2019 15:28

Instrument :

BNA_F

ClientSampleId :

MR-MH-15-COMP

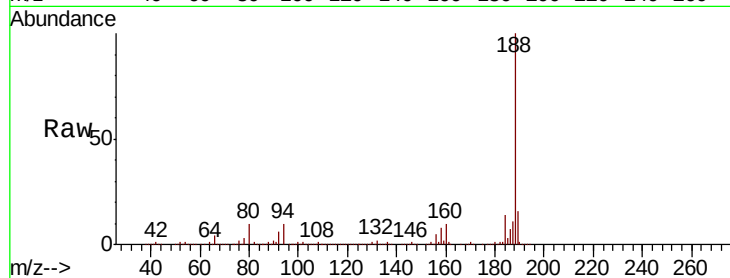
Tot Ion:188 Resp: 816049

Ion Ratio Lower Upper

188 100

94 9.8 9.0 13.4

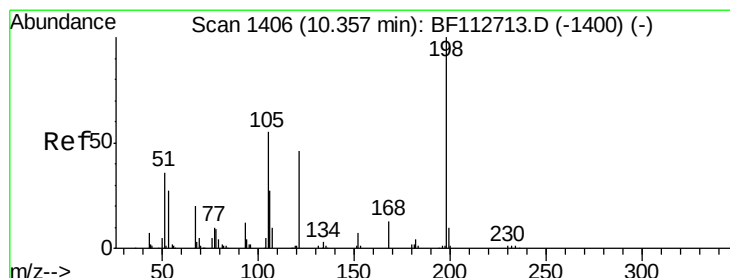
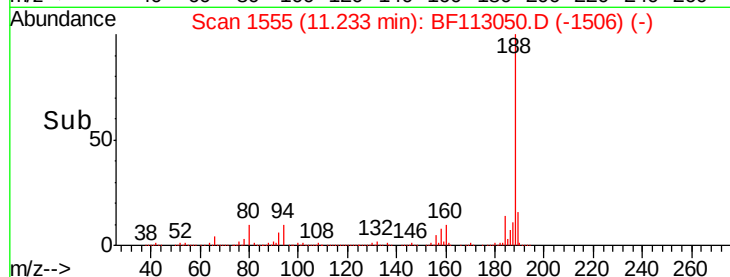
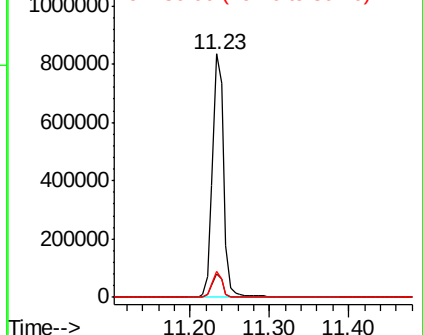
80 10.5 9.2 13.8



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: 4.867 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.18 min

Lab File: BF113050.D

Acq: 14 Mar 2019 15:28

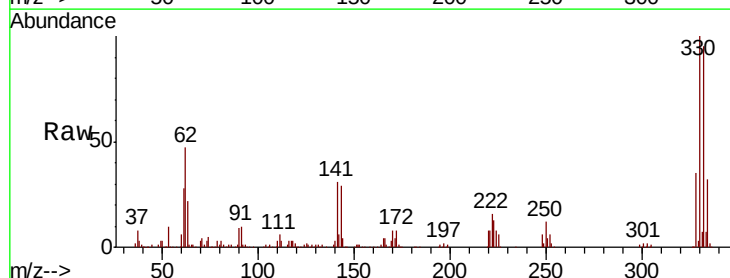
Tgt Ion:198 Resp: 945

Ion Ratio Lower Upper

198 100

51 213.5 43.8 83.8#

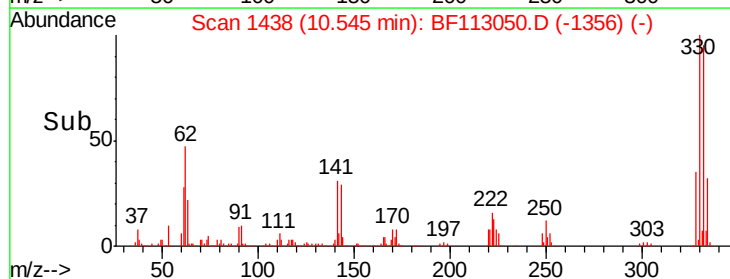
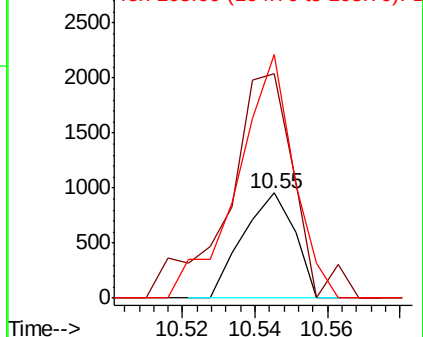
105 231.1 36.5 76.5#

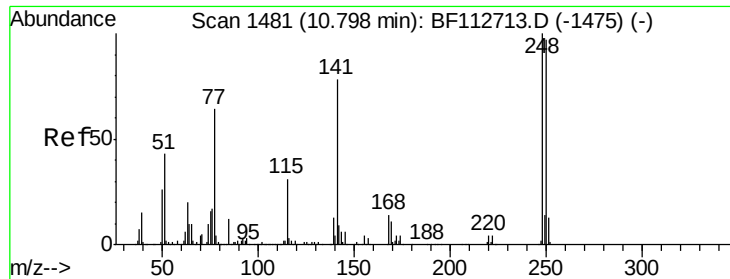


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

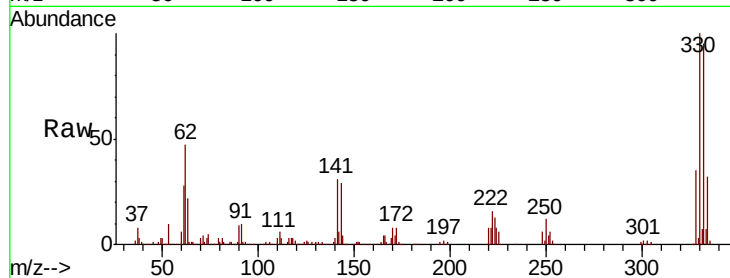




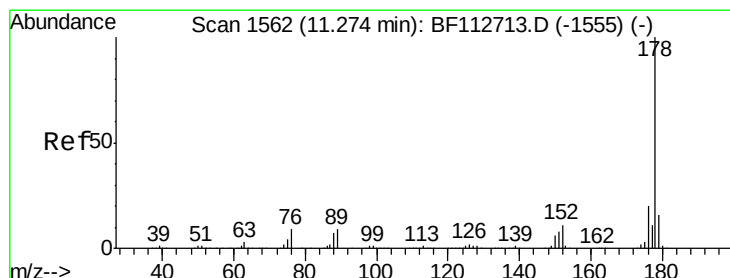
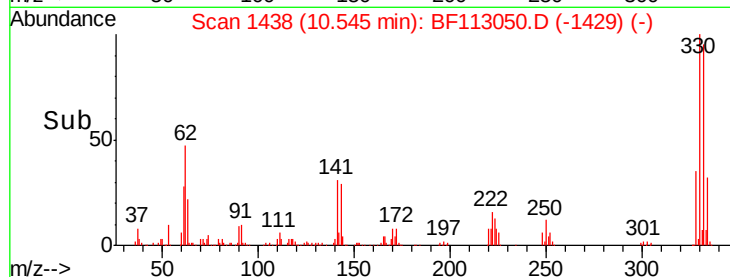
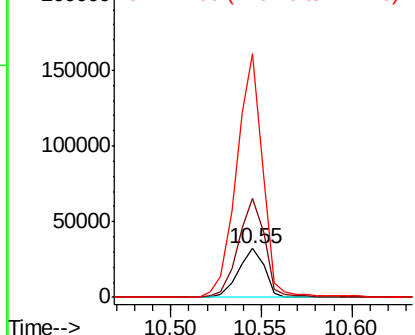
#67
 4-Bromophenyl-phenylether
 Concen: 3.787 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF113050.D
 Acq: 14 Mar 2019 15:28

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-15-COMP

Tot Ion:248 Resp: 32547
 Ion Ratio Lower Upper
 248 100
 250 204.9 77.5 116.3#
 141 500.9 62.4 93.6#

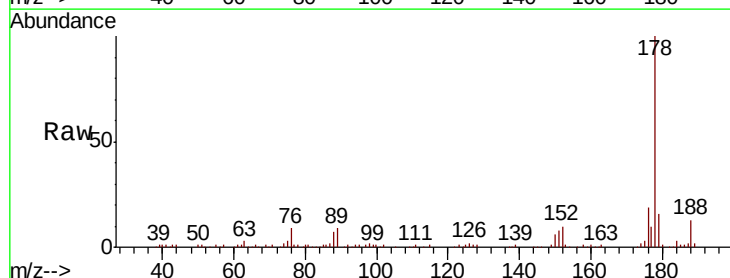


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

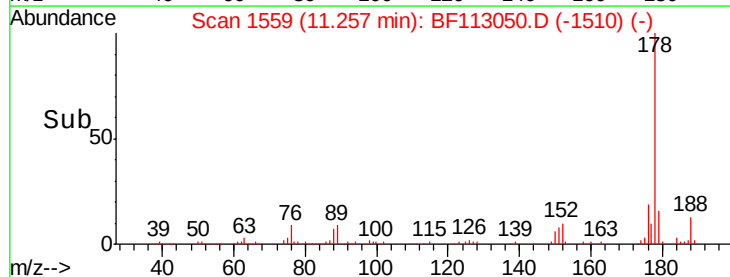
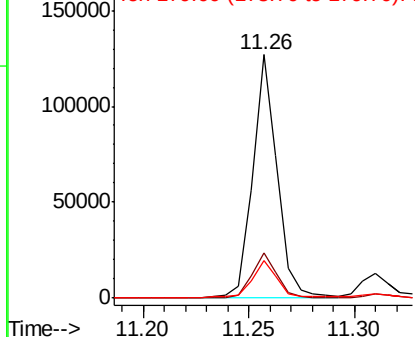


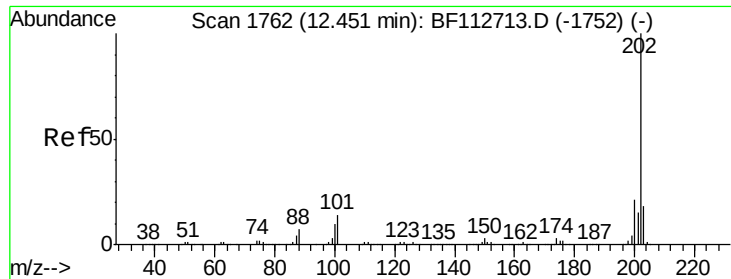
#71
 Phenanthrene
 Concen: 2.527 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF113050.D
 Acq: 14 Mar 2019 15:28

Tgt Ion:178 Resp: 102583
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.3 24.5
 179 15.7 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: 4.743 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF113050.D

Acq: 14 Mar 2019 15:28

Instrument :

BNA_F

ClientSampleId :

MR-MH-15-COMP

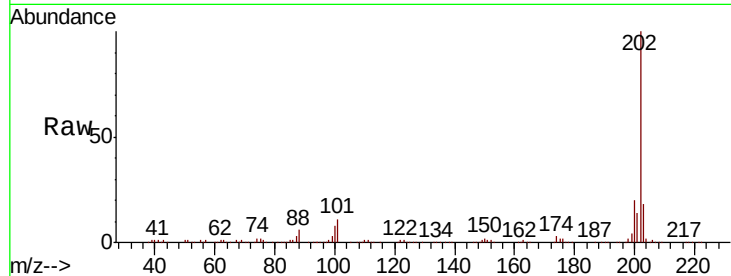
Tot Ion:202 Resp: 206332

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.8

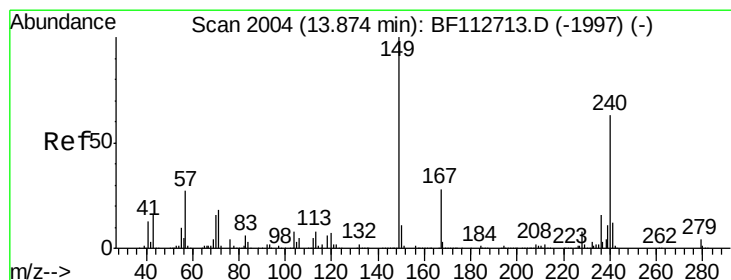
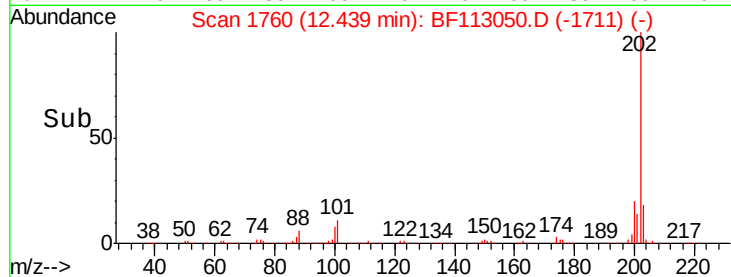
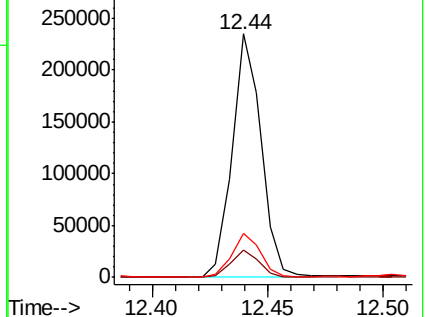
203 17.9 0.0 38.4



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: BF113050.D

Acq: 14 Mar 2019 15:28

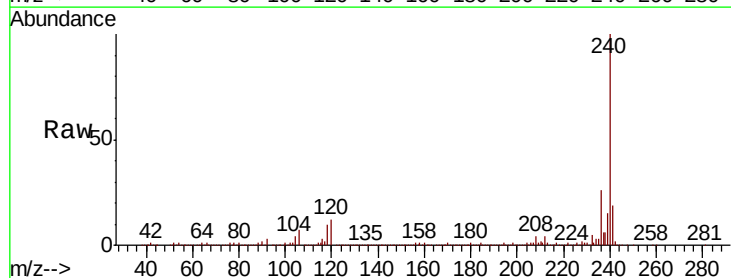
Tgt Ion:240 Resp: 772501

Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

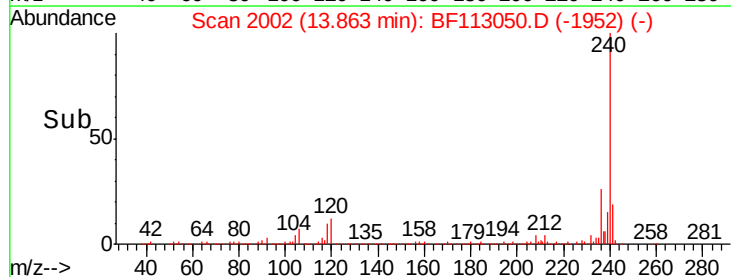
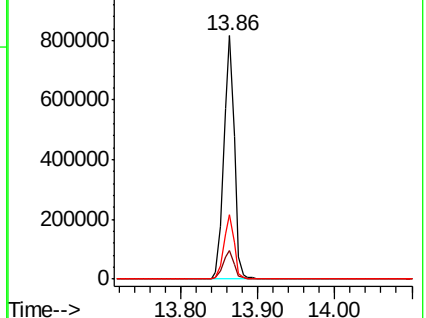
236 26.3 20.7 31.1

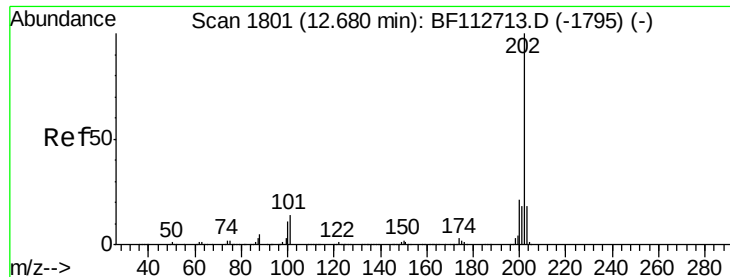


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

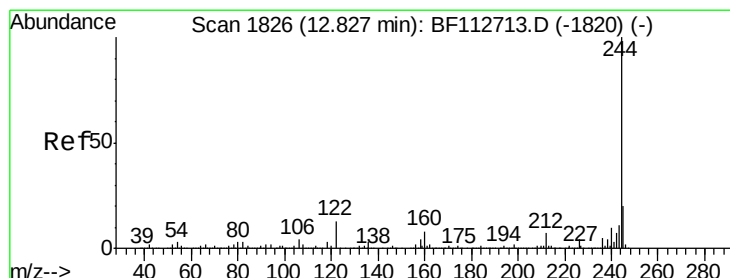
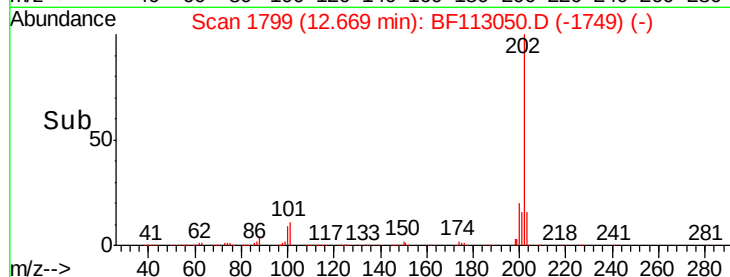
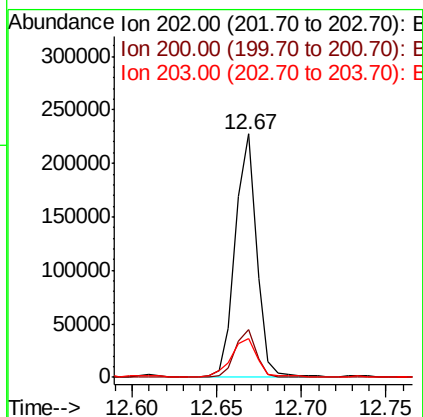
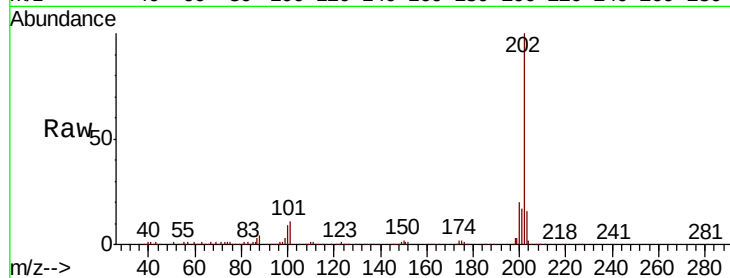




#78
Pvrene
Concen: 3.061 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113050.D
Acq: 14 Mar 2019 15:28

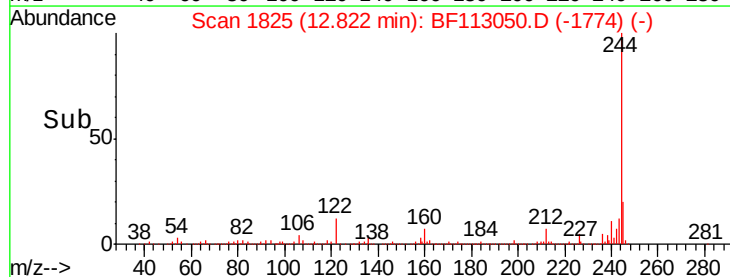
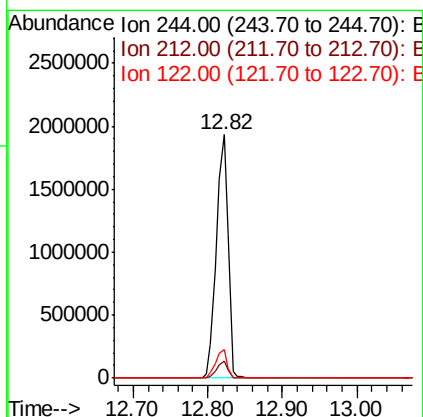
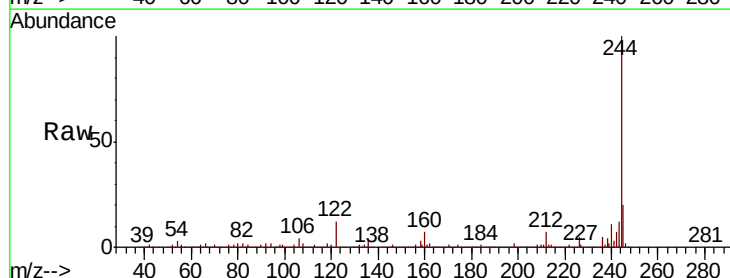
Instrument :
BNA_F
ClientSampleId :
MR-MH-15-COMP

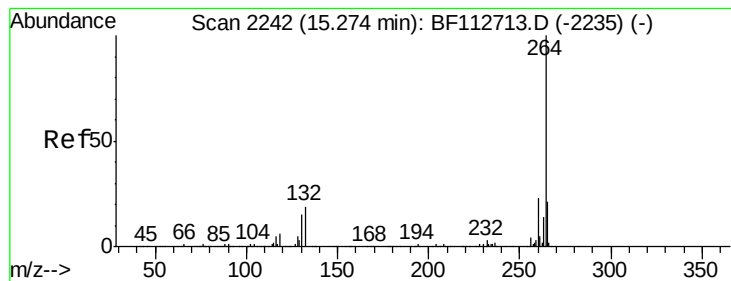
Tot Ion:202 Resp: 199341
Ion Ratio Lower Upper
202 100
200 19.9 17.0 25.4
203 16.0 14.4 21.6



#79
Terphenyl-d14
Concen: 52.745 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF113050.D
Acq: 14 Mar 2019 15:28

Tgt Ion:244 Resp: 2101923
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 11.7 10.5 15.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF113050.D

Acq: 14 Mar 2019 15:28

Instrument :

BNA_F

ClientSampleId :

MR-MH-15-COMP

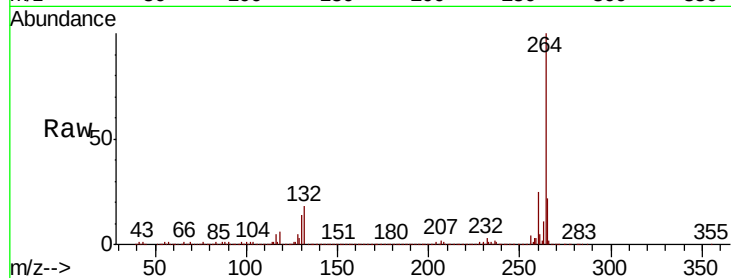
Tot Ion:264 Resp: 793085

Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

265 21.8 17.2 25.8

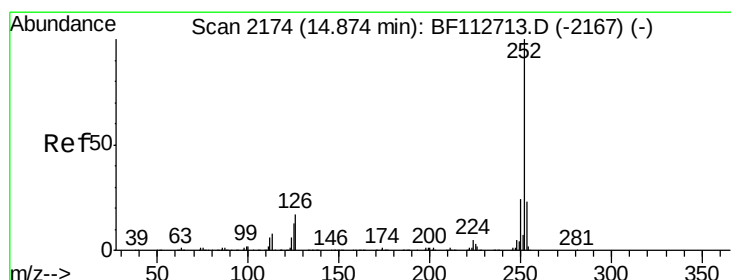
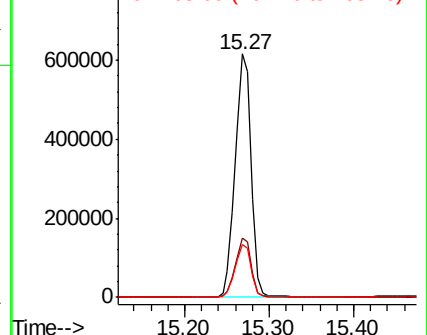
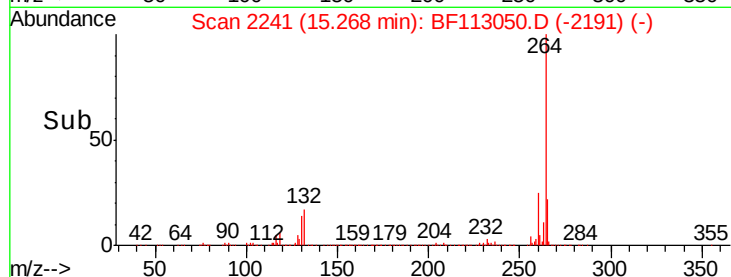


Abundance

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: 3.204 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF113050.D

Acq: 14 Mar 2019 15:28

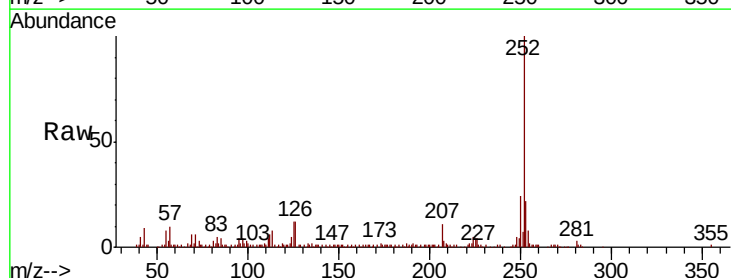
Tgt Ion:252 Resp: 164350

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

125 11.5 10.2 15.2

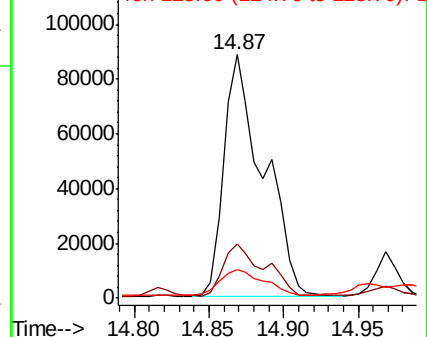
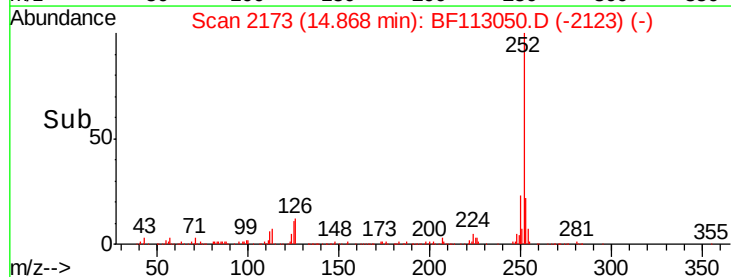


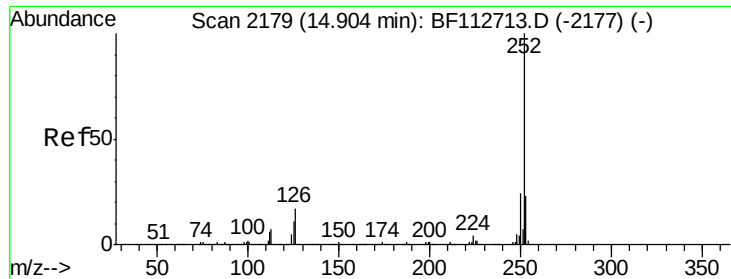
Abundance

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: 3.537 ng
 RT: 14.87 min Scan# 2173
 Delta R.T. -0.04 min
 Lab File: BF113050.D
 Acq: 14 Mar 2019 15:28

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-15-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	11.5	9.8	14.6

