

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
 Data File : BF107187.D
 Acq On : 6 Jul 2018 21:39
 Operator : JU/SJ
 Sample : J3874-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(0-

Quant Time: Jul 06 22:56:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	56963	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	208939	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	92360	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	153080	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	159418	20.00	ng	-0.03
86) Perylene-d12	15.67	264	123688	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	331976	98.69	ng	-0.01
7) Phenol-d6	6.60	99	417691	99.43	ng	-0.02
23) Nitrobenzene-d5	7.51	82	255124	67.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	99060	92.54	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	395781	69.91	ng	-0.02
78) Terphenyl-d14	13.06	244	360100	54.72	ng	-0.02

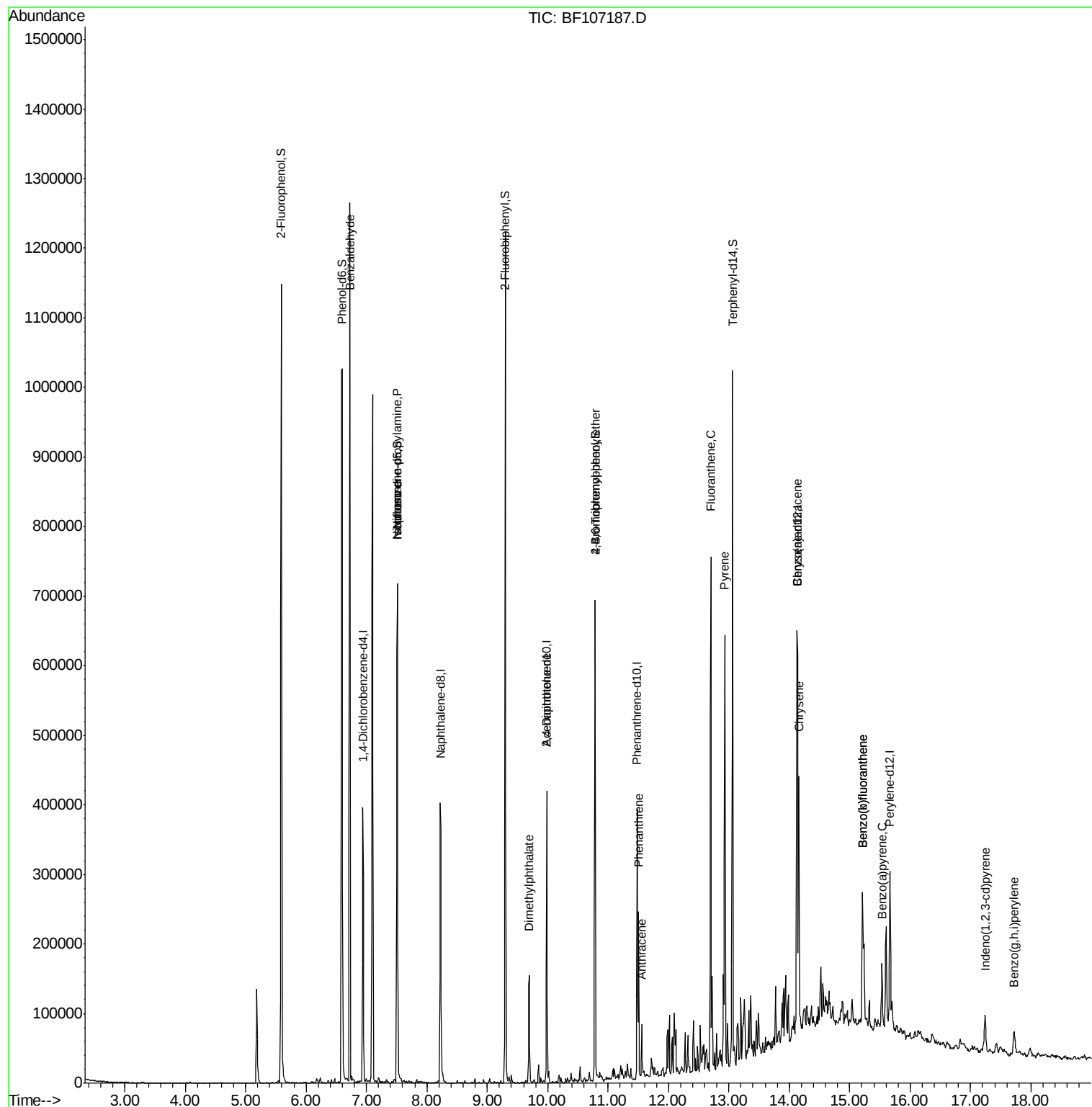
Target Compounds				Qvalue		
9) Benzaldehyde	6.72	77	7528	2.135	ng	88
19) n-Nitroso-di-n-propylamine	7.51	70	33814	12.211	ng	# 71
25) Isophorone	7.51	82	255120	38.508	ng	# 64
49) Dimethylphthalate	9.70	163	69039	9.966	ng	100
56) 2,4-Dinitrotoluene	9.98	165	11540	6.027	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	6014	3.292	ng	# 1
70) Phenanthrene	11.51	178	94734	12.831	ng	98
71) Anthracene	11.56	178	36024	4.780	ng	99
74) Fluoranthene	12.70	202	296279	36.407	ng	96
77) Pyrene	12.93	202	265513	25.257	ng	99
80) Benzo(a)anthracene	14.12	228	167823	17.273	ng	99
82) Chrysene	14.16	228	125560	14.047	ng	98
85) Indeno(1,2,3-cd)pyrene	17.24	276	36509	4.813	ng	# 88
87) Benzo(b)fluoranthene	15.21	252	157613	20.513	ng	96
88) Benzo(k)fluoranthene	15.21	252	157613	21.541	ng	97
89) Benzo(a)pyrene	15.53	252	47500	6.954	ng	95
91) Benzo(g,h,i)perylene	17.72	276	30559	5.401	ng	# 91

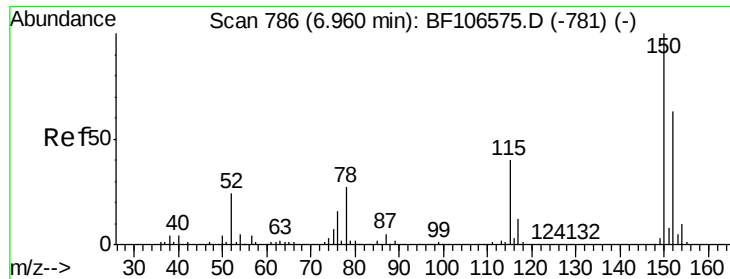
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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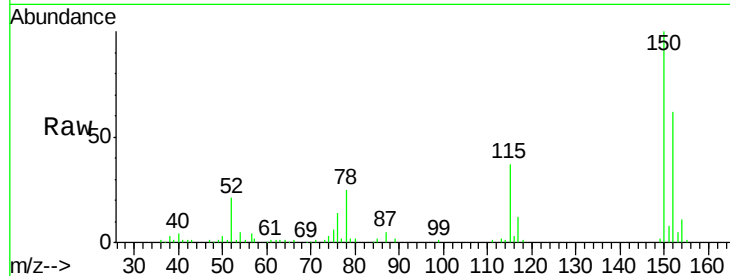




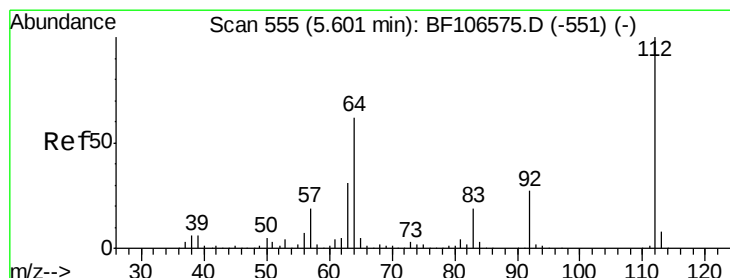
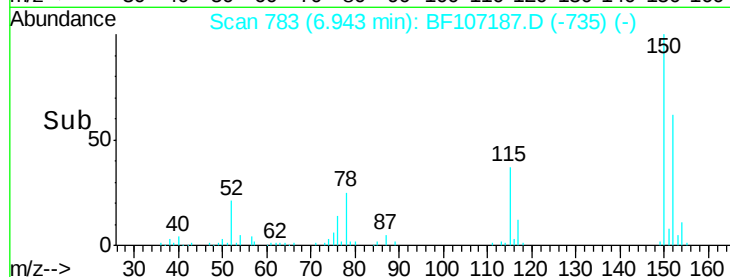
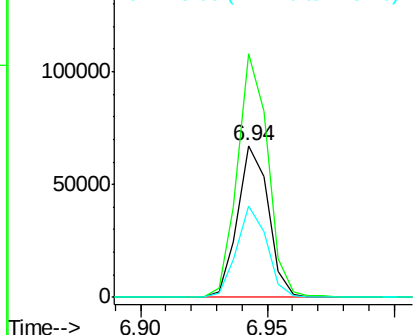
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(0-

Tgt Ion:152 Resp: 56963
 Ion Ratio Lower Upper
 152 100
 150 160.5 124.6 186.8
 115 60.1 50.1 75.1

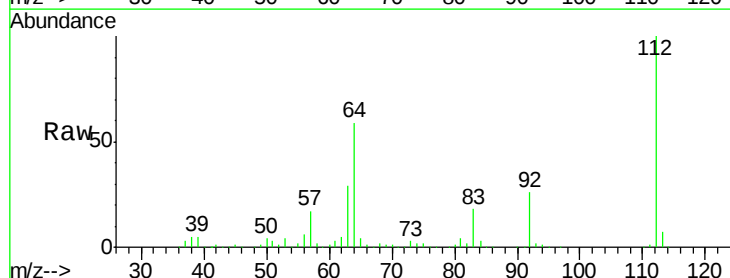


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

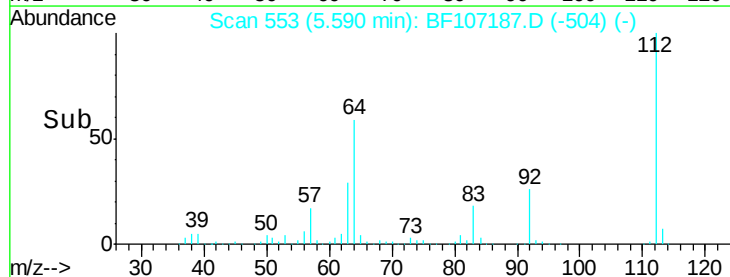
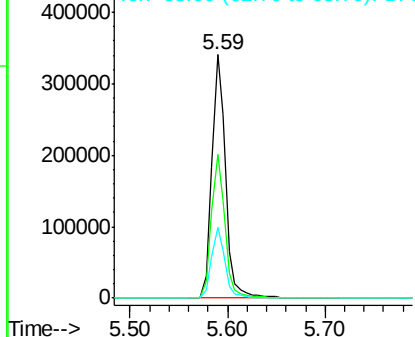


#5
 2-Fluorophenol
 Concen: 98.685 ng
 RT: 5.59 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

Tgt Ion:112 Resp: 331976
 Ion Ratio Lower Upper
 112 100
 64 59.2 47.9 71.9
 63 29.0 23.7 35.5



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: 99.427 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107187.D

Acq: 6 Jul 2018 21:39

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-MCMaster-PH4-5(0-

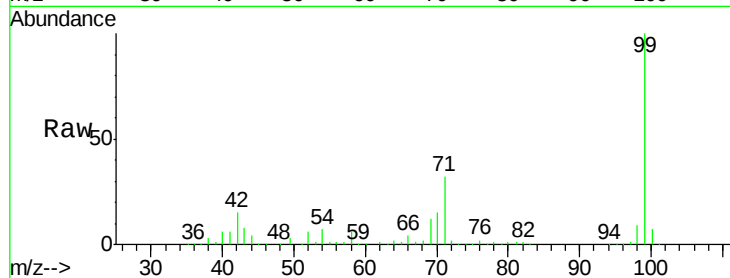
Tgt Ion: 99 Resp: 417691

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

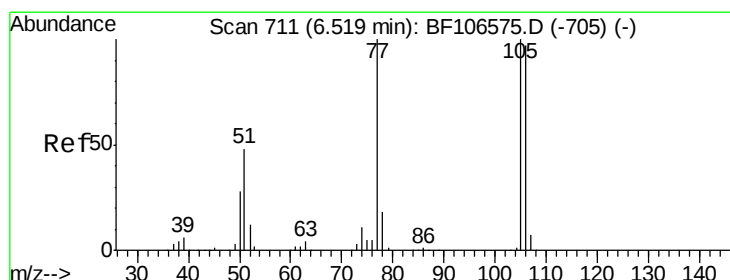
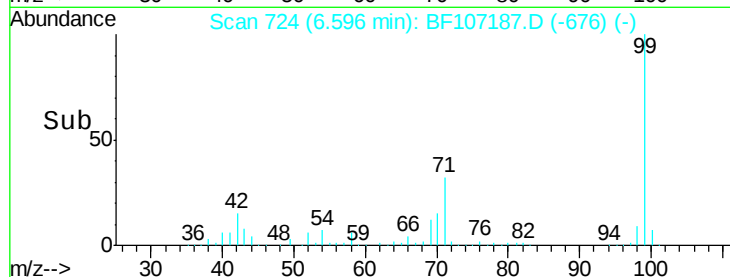
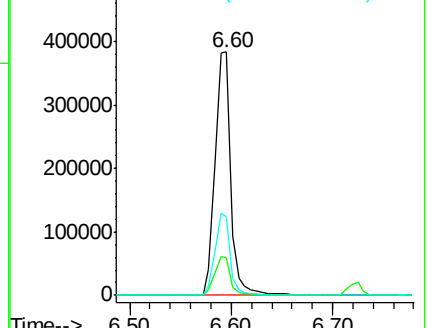
71 32.4 25.4 38.0



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: 2.135 ng

RT: 6.72 min Scan# 746

Delta R.T. 0.21 min

Lab File: BF107187.D

Acq: 6 Jul 2018 21:39

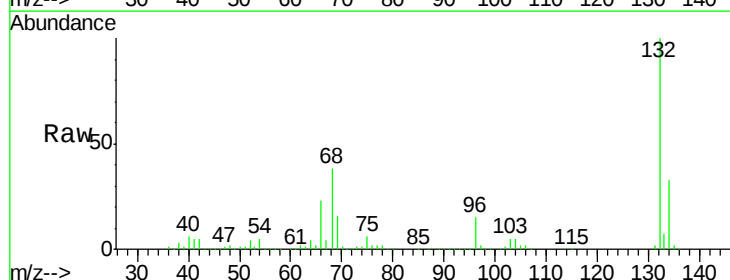
Tgt Ion: 77 Resp: 7528

Ion Ratio Lower Upper

77 100

105 81.6 81.1 121.1

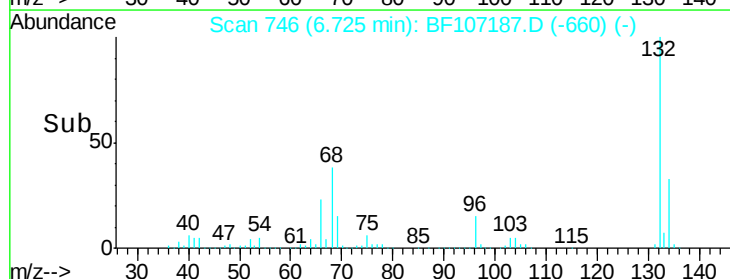
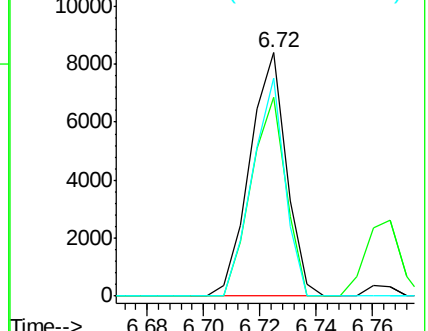
106 89.6 74.5 114.5

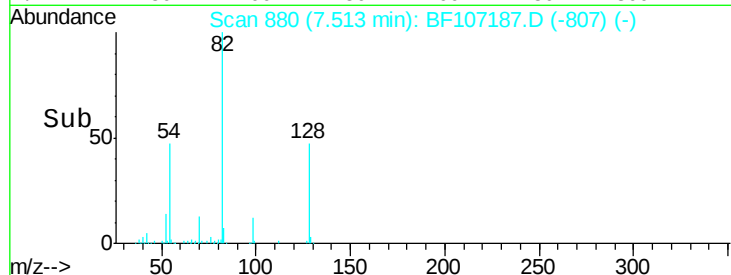
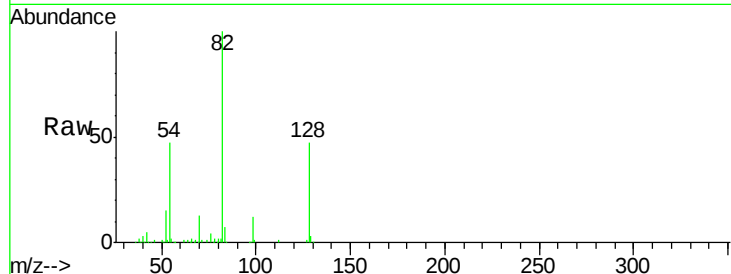


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

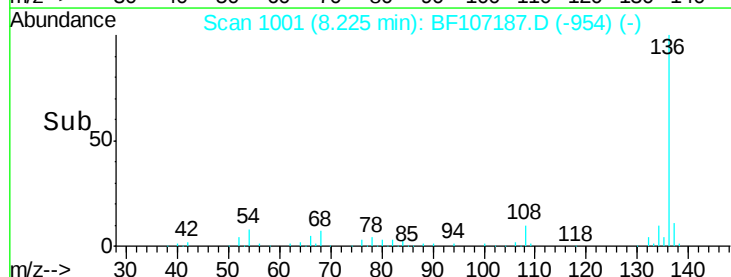
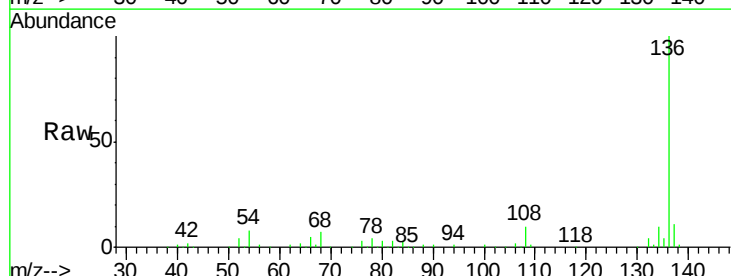
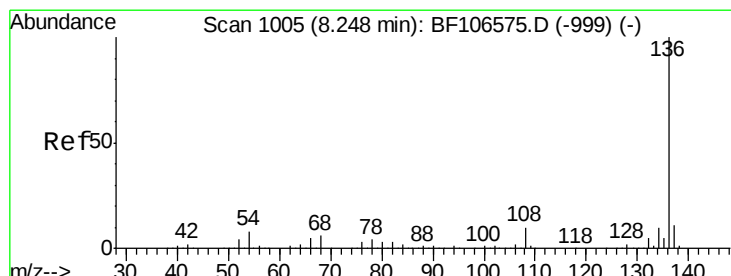
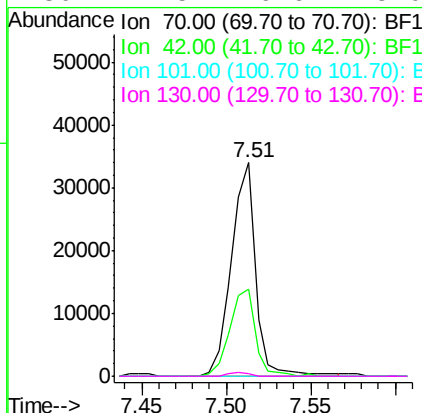




#19
n-Nitroso-di-n-propylamine
Concen: 12.211 ng
RT: 7.51 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF107187.D
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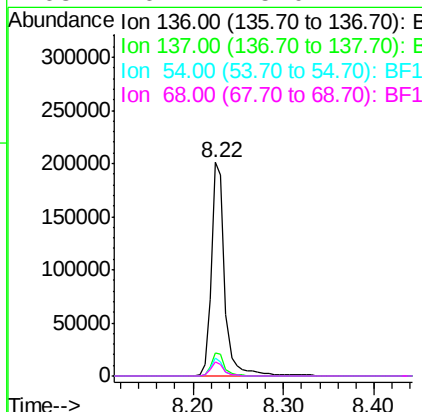
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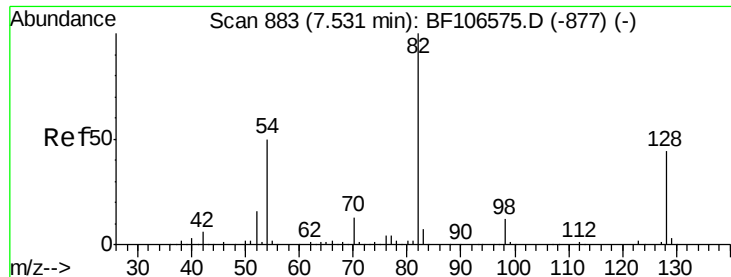
Tgt Ion: 70 Resp: 33814
Ion Ratio Lower Upper
70 100
42 40.9 47.5 71.3#
101 0.0 7.4 11.2#
130 1.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

Tgt Ion: 136 Resp: 208939
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.5 6.6 9.8
68 6.7 5.0 7.4

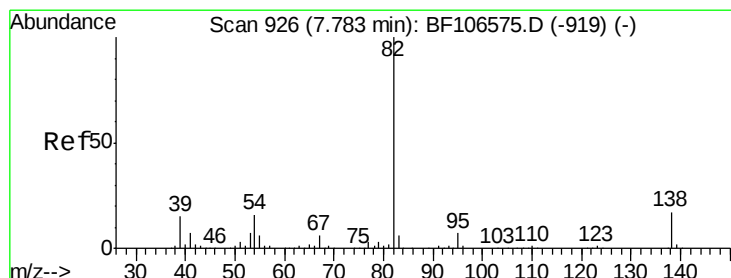
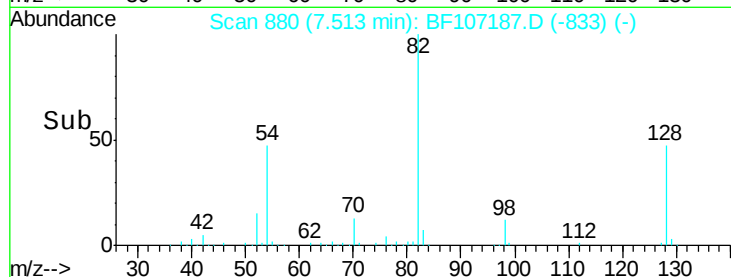
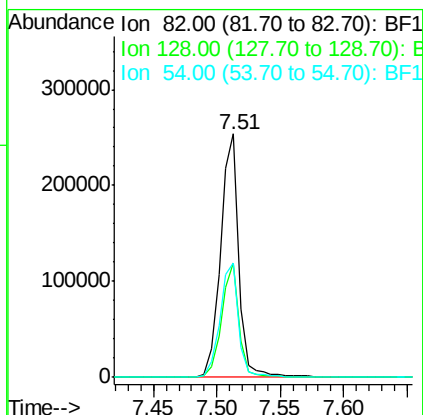
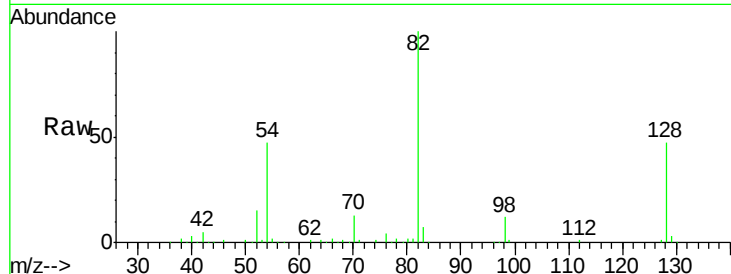




#23
 Nitrobenzene-d5
 Concen: 67.858 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

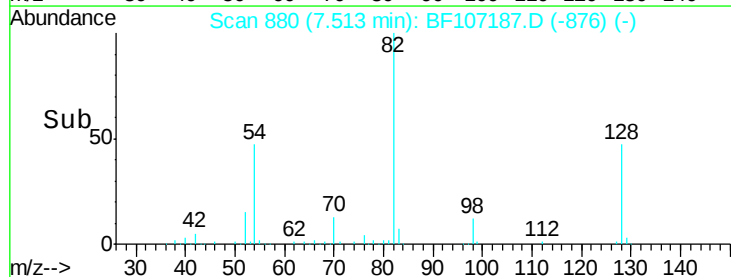
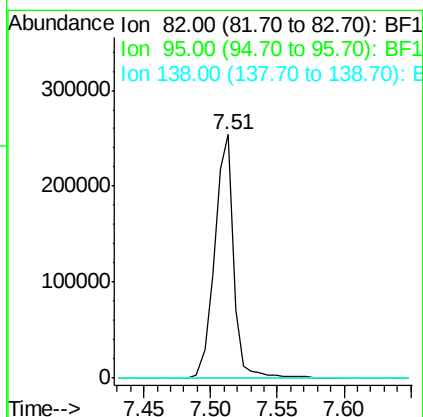
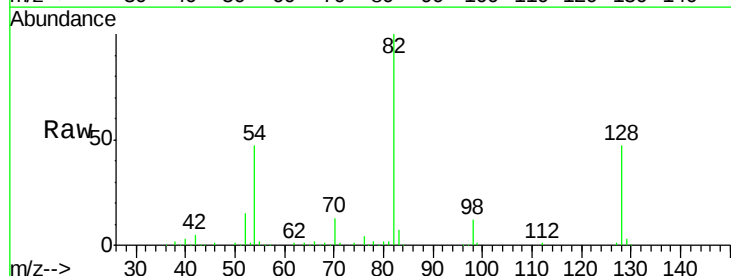
Instrument :
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 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(0-

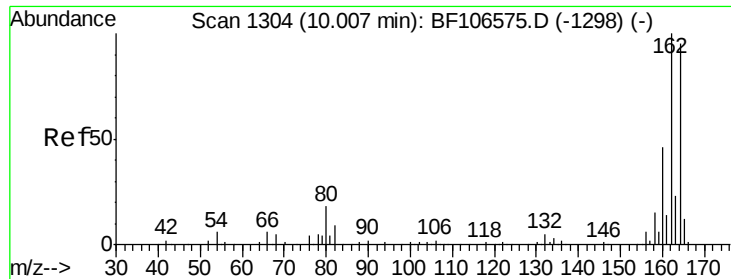
Tgt Ion: 82 Resp: 255124
 Ion Ratio Lower Upper
 82 100
 128 46.8 36.1 54.1
 54 47.2 41.4 62.2



#25
 Isophorone
 Concen: 38.508 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

Tgt Ion: 82 Resp: 255120
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

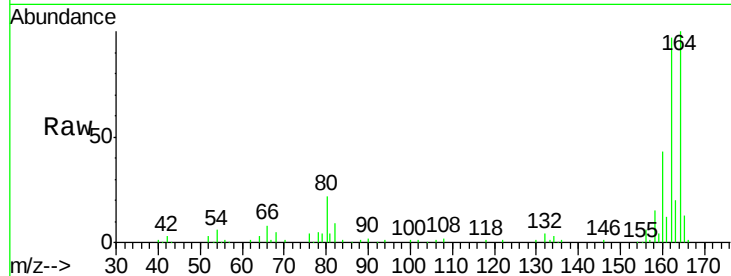




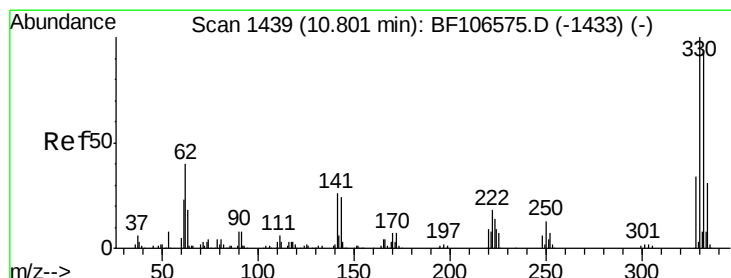
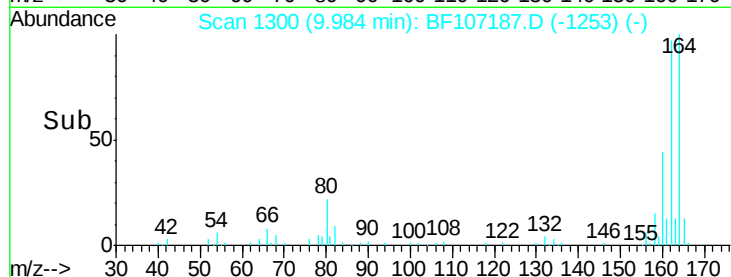
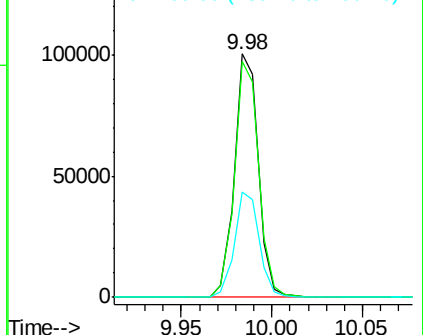
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(0-

Tgt Ion:164 Resp: 92360
 Ion Ratio Lower Upper
 164 100
 162 96.7 86.1 129.1
 160 43.3 38.3 57.5

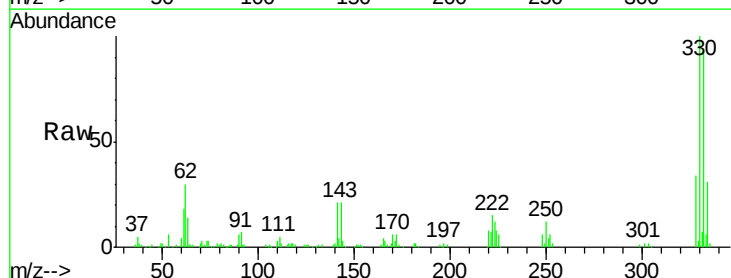


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

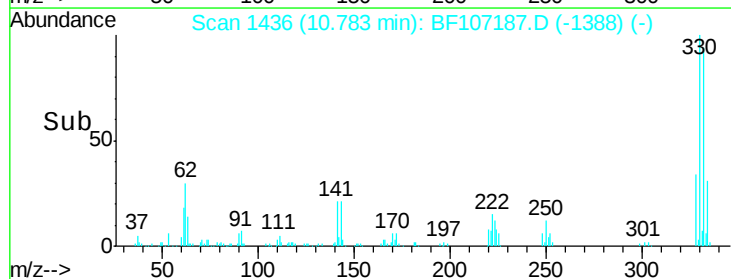
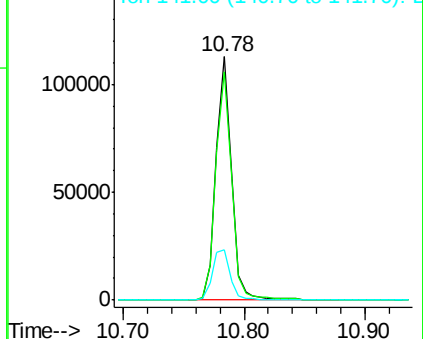


#41
 2,4,6-Tribromophenol
 Concen: 92.538 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

Tgt Ion:330 Resp: 99060
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 23.6 29.9 44.9#



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

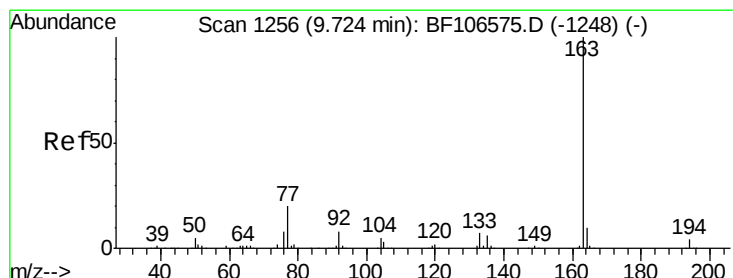
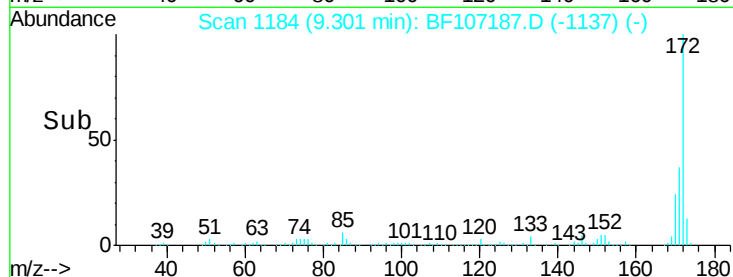
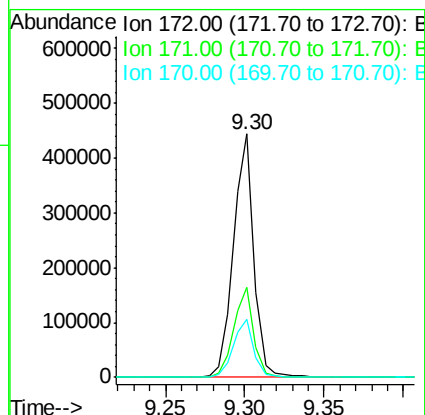
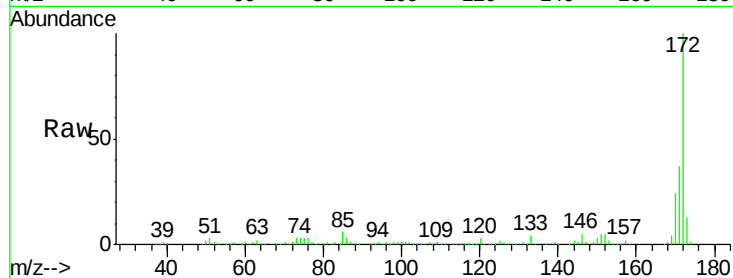




#44
 2-Fluorobiphenyl
 Concen: 69.914 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

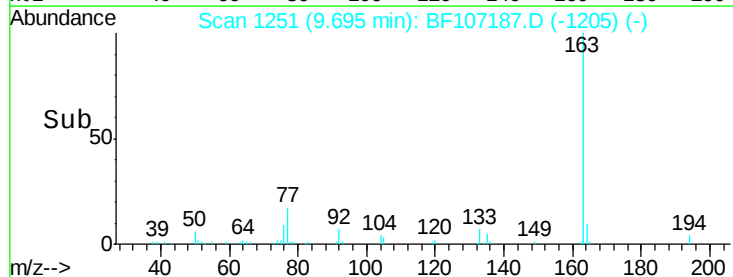
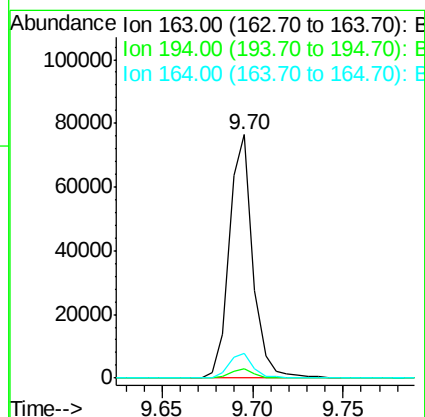
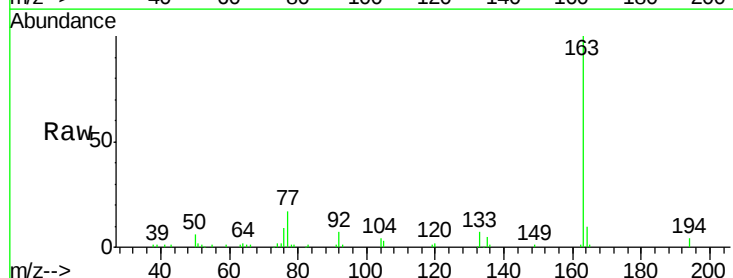
Instrument :
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 2018-NYSEG-MCMaster-PH4-5(0-

Tgt Ion:172 Resp: 395781
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.7 44.5
 170 24.0 19.6 29.4



#49
 Dimethylphthalate
 Concen: 9.966 ng
 RT: 9.70 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

Tgt Ion:163 Resp: 69039
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.7 4.1
 164 10.2 8.2 12.2

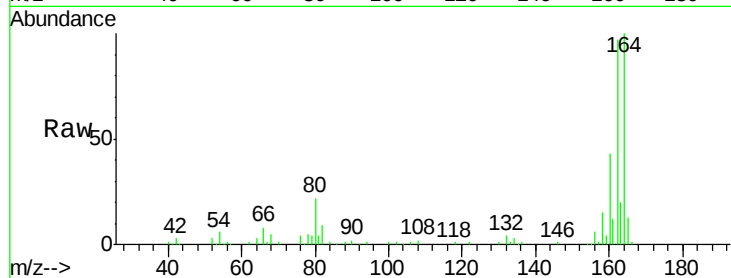




#56
2,4-Dinitrotoluene
Concen: 6.027 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.22 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-MCMaster-PH4-5(0-

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

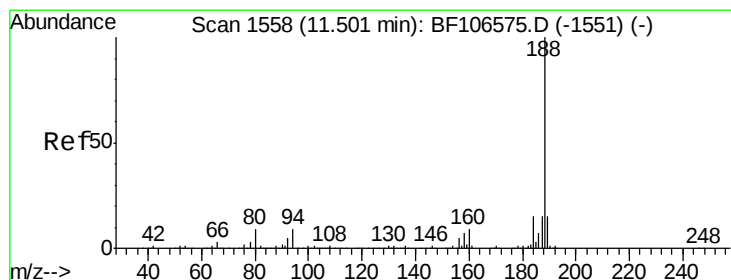
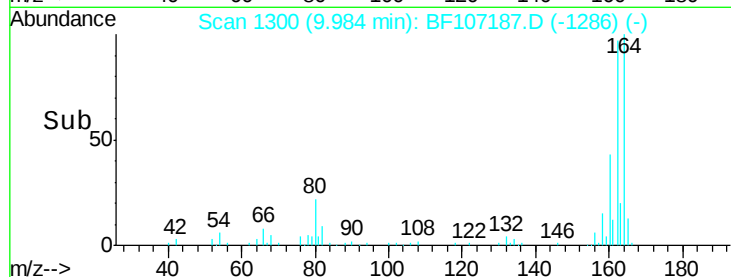
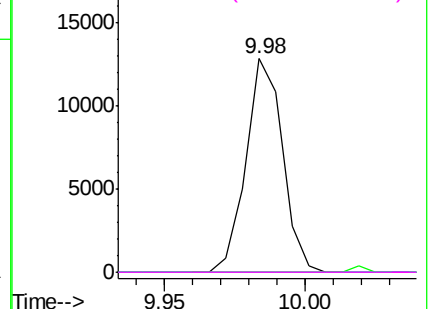


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

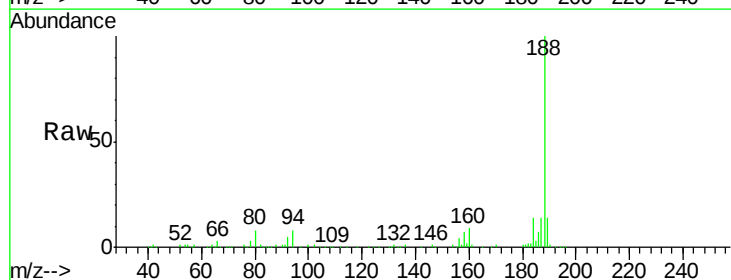
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

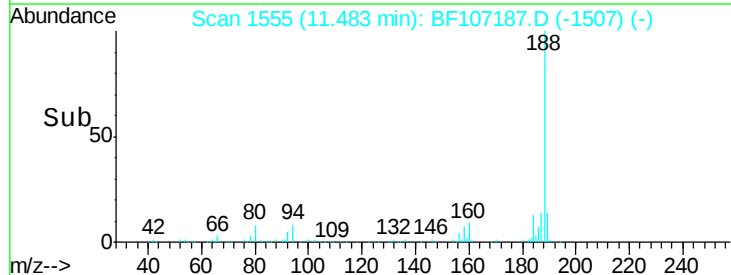
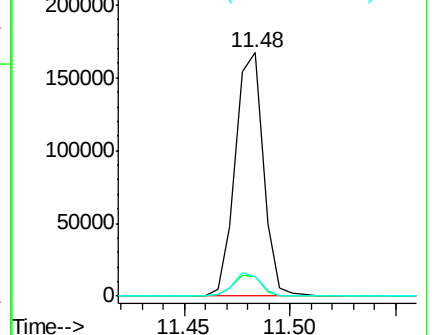
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.5	12.7#
80	8.2	9.2	13.8#



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

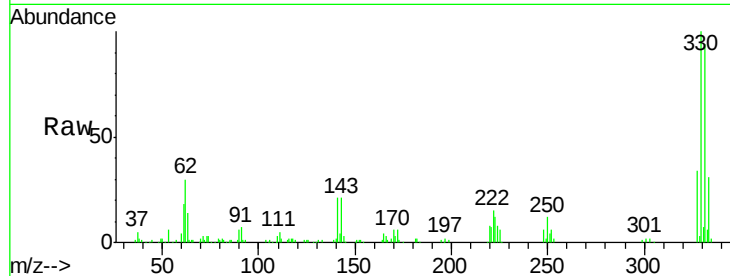




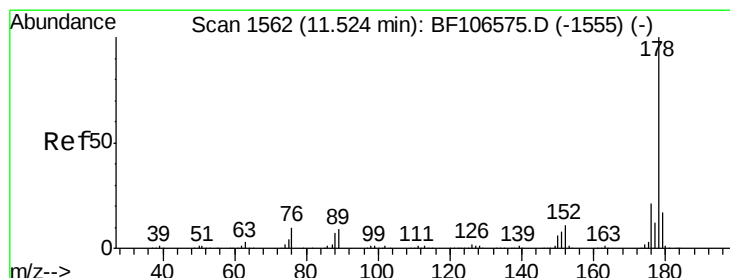
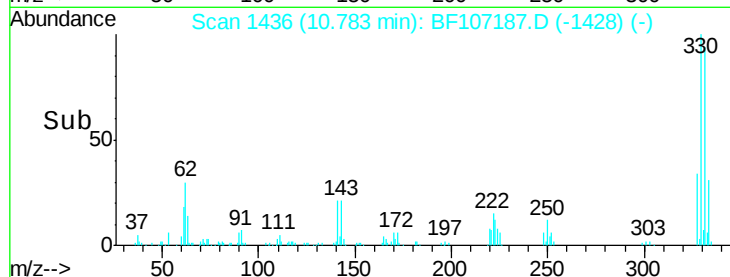
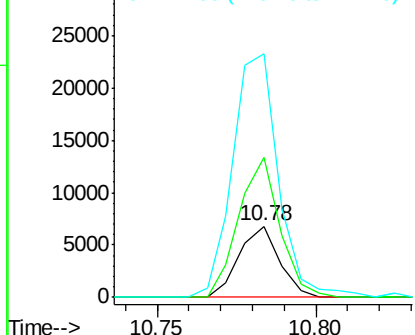
#66
 4-Bromophenyl-phenylether
 Concen: 3.292 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(0-

Tgt Ion:248 Resp: 6014
 Ion Ratio Lower Upper
 248 100
 250 196.7 76.9 115.3#
 141 342.1 74.4 111.6#

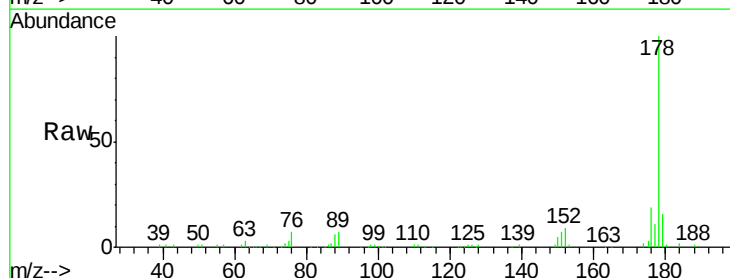


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

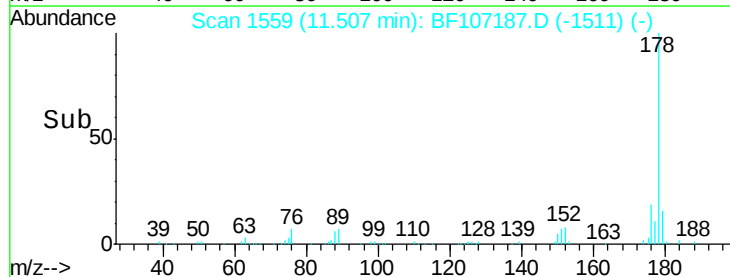
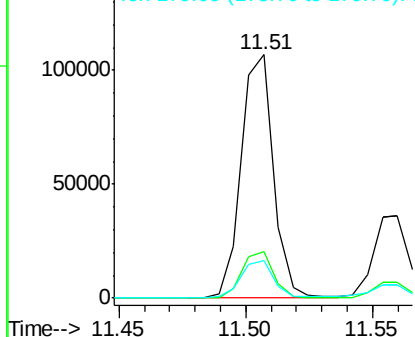


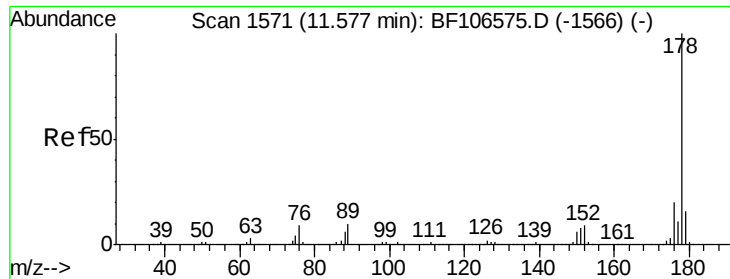
#70
 Phenanthrene
 Concen: 12.831 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

Tgt Ion:178 Resp: 94734
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 15.6 13.0 19.6



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

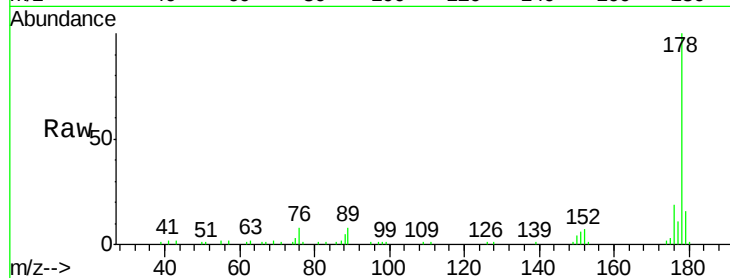




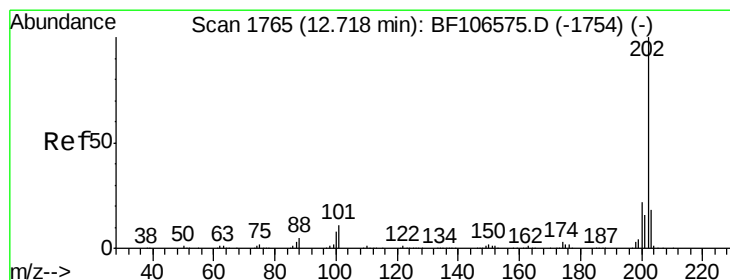
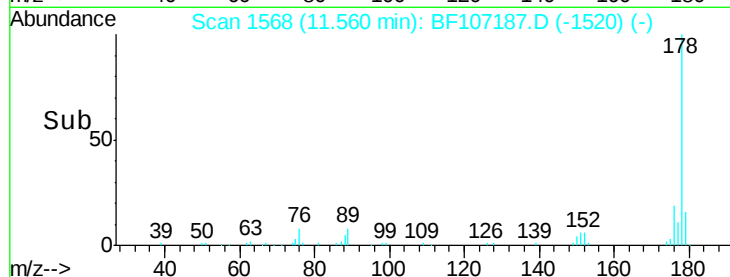
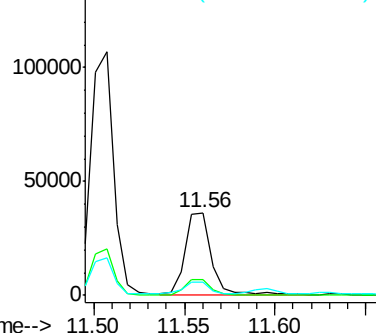
#71
 Anthracene
 Concen: 4.780 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(0-

Tgt Ion:178 Resp: 36024
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.8 12.6 19.0

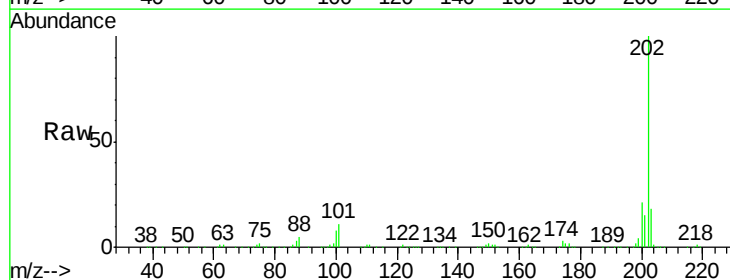


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

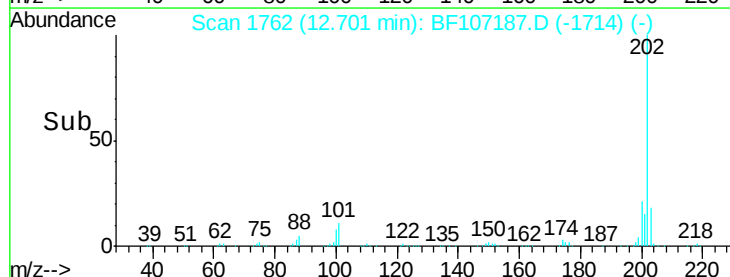
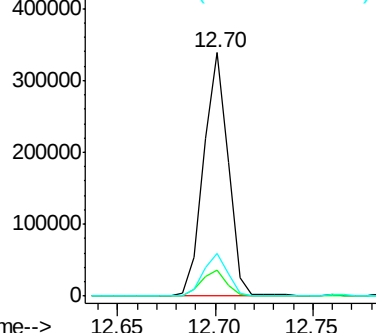


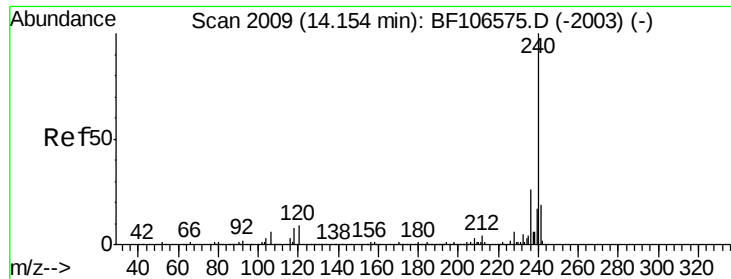
#74
 Fluoranthene
 Concen: 36.407 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

Tgt Ion:202 Resp: 296279
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 34.1
 203 17.6 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF107187.D

Acq: 6 Jul 2018 21:39

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-MCMaster-PH4-5(0-

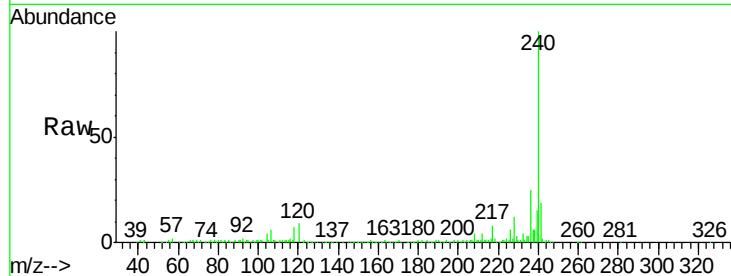
Tgt Ion:240 Resp: 159418

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

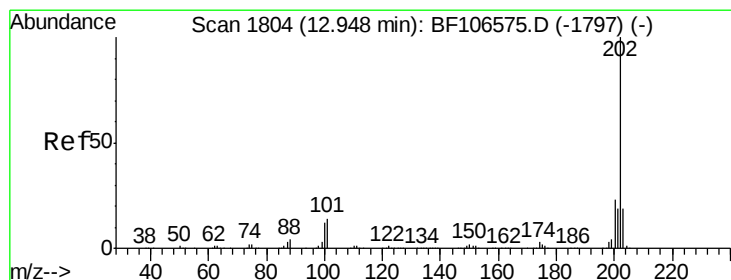
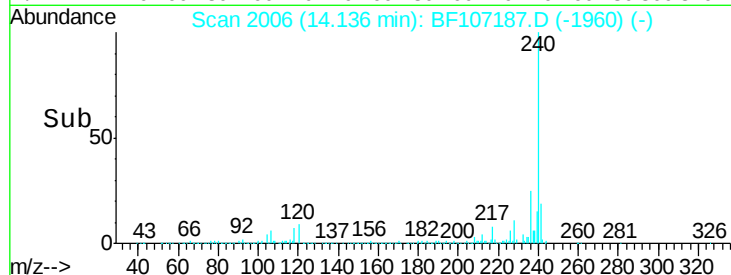
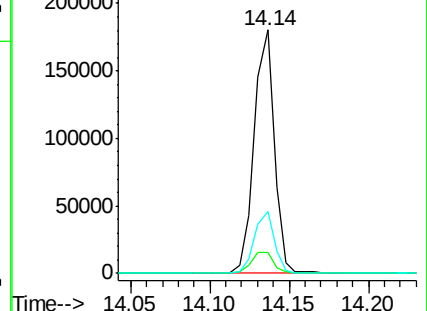
236 25.3 20.7 31.1



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



#77

Pyrene

Concen: 25.257 ng

RT: 12.93 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF107187.D

Acq: 6 Jul 2018 21:39

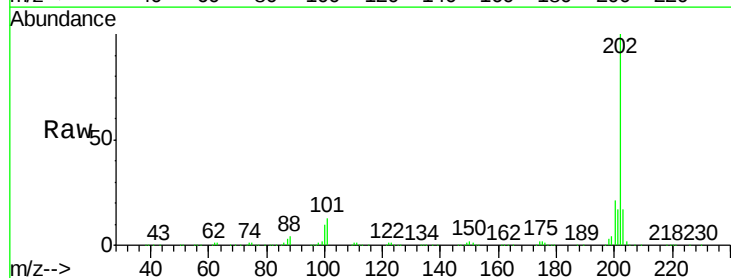
Tgt Ion:202 Resp: 265513

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

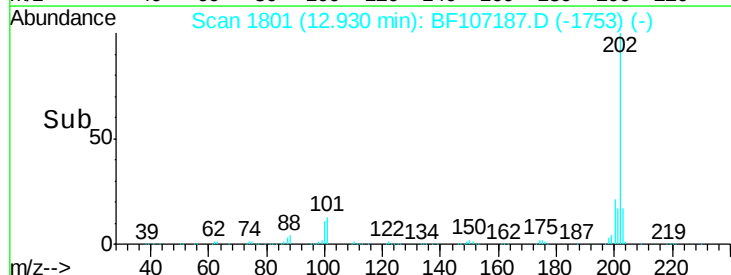
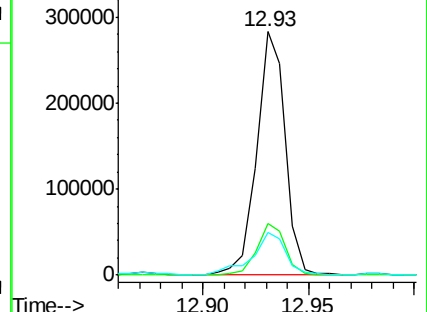
203 17.3 14.3 21.5

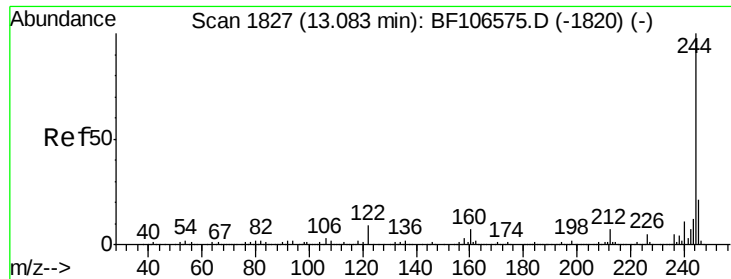


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

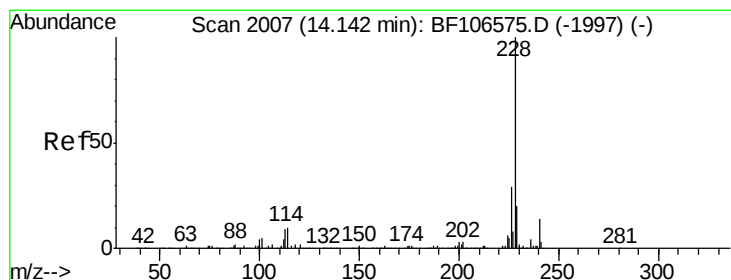
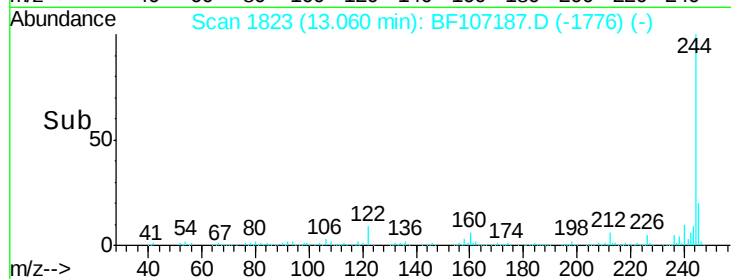
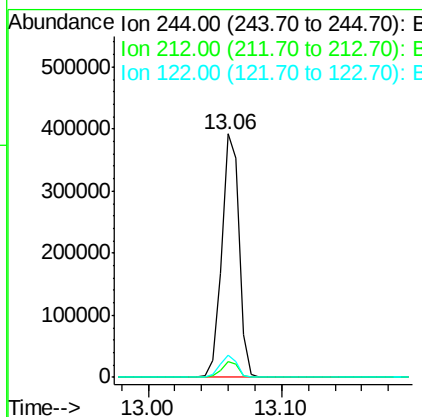
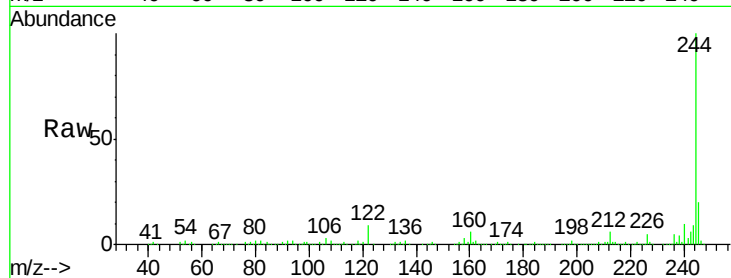




#78
 Terphenyl-d14
 Concen: 54.716 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.02 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

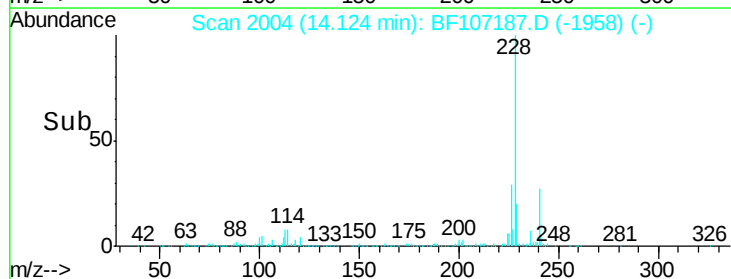
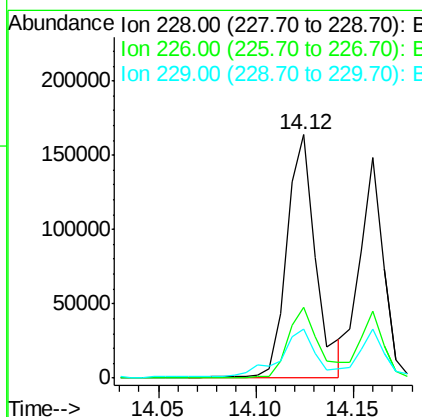
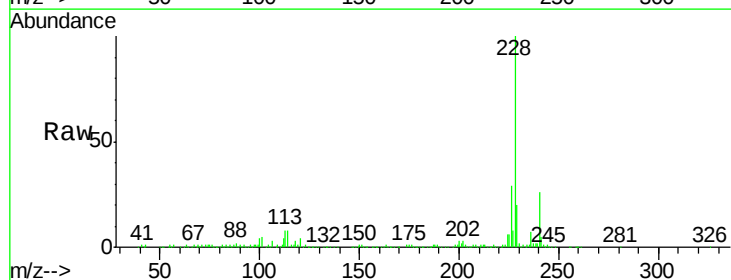
Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(0-

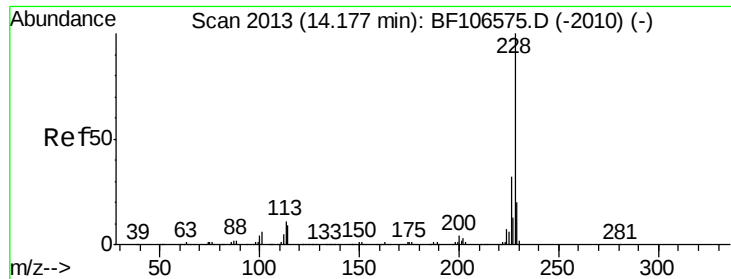
Tgt Ion:244 Resp: 360100
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 9.3 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 17.273 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.03 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

Tgt Ion:228 Resp: 167823
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 20.3 15.8 23.6





#82

Chrysene

Concen: 14.047 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.04 min

Lab File: BF107187.D

Acq: 6 Jul 2018 21:39

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-MCMaster-PH4-5(0-

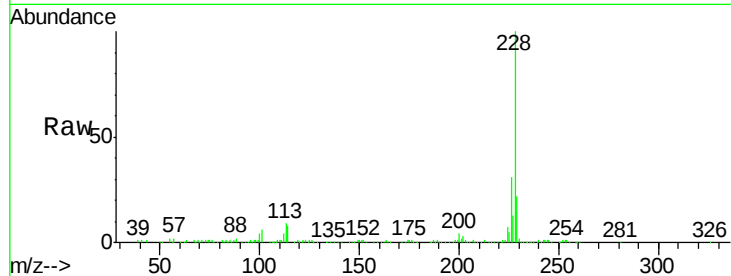
Tgt Ion:228 Resp: 125560

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

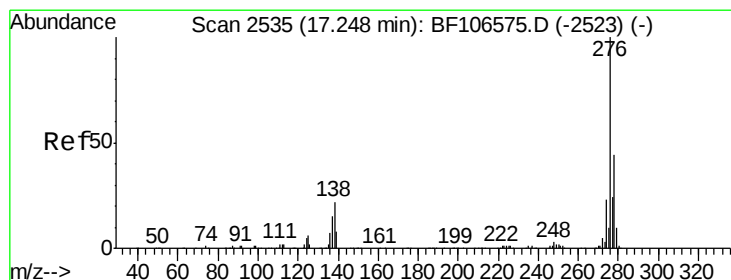
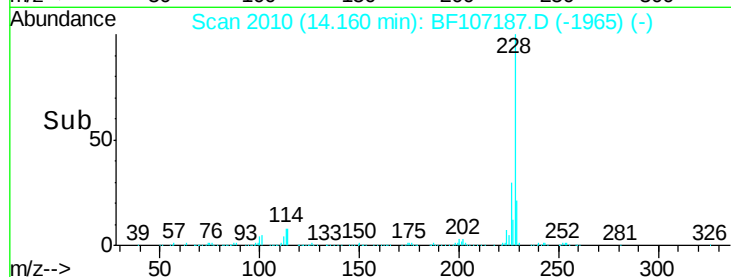
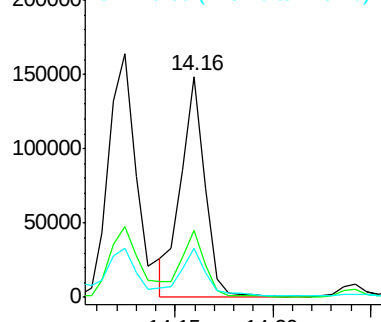
229 22.3 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.813 ng

RT: 17.24 min Scan# 2534

Delta R.T. -0.06 min

Lab File: BF107187.D

Acq: 6 Jul 2018 21:39

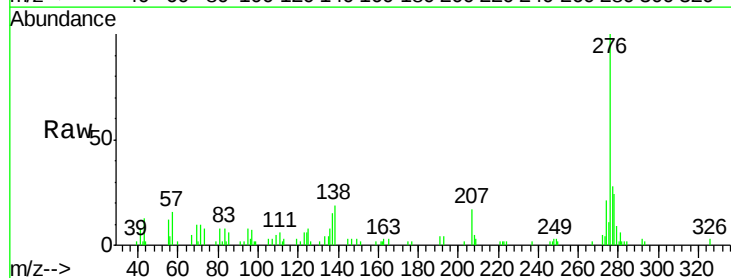
Tgt Ion:276 Resp: 36509

Ion Ratio Lower Upper

276 100

138 20.9 25.0 37.6#

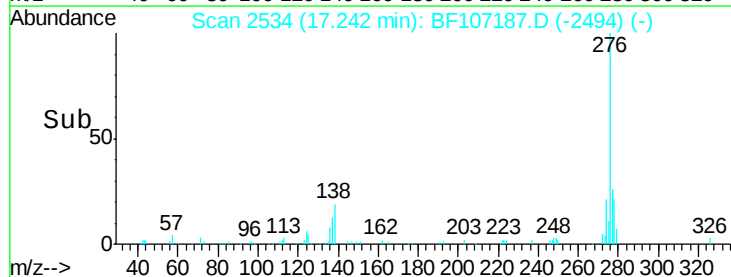
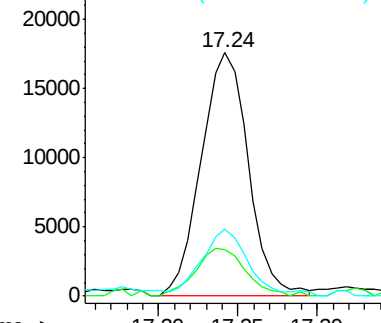
277 27.3 20.1 30.1

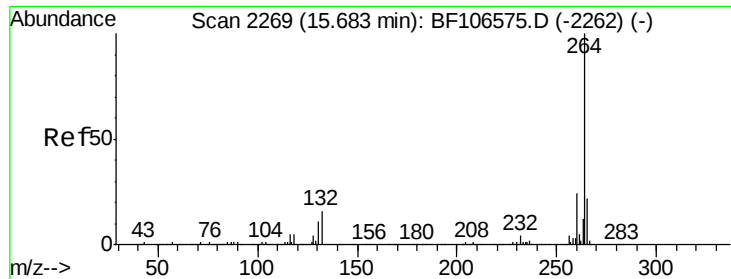


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2266

Delta R.T. -0.05 min

Lab File: BF107187.D

Acq: 6 Jul 2018 21:39

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-MCMaster-PH4-5(0-

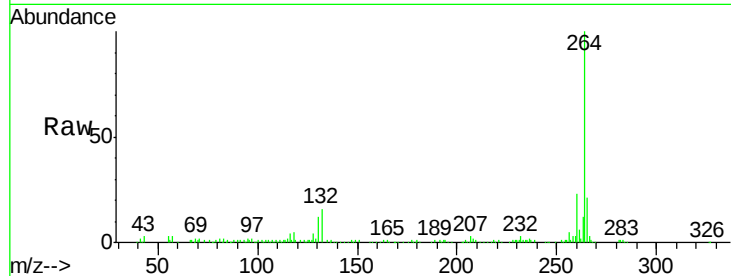
Tgt Ion:264 Resp: 123688

Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

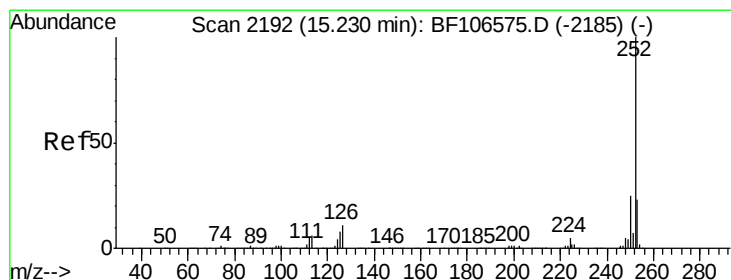
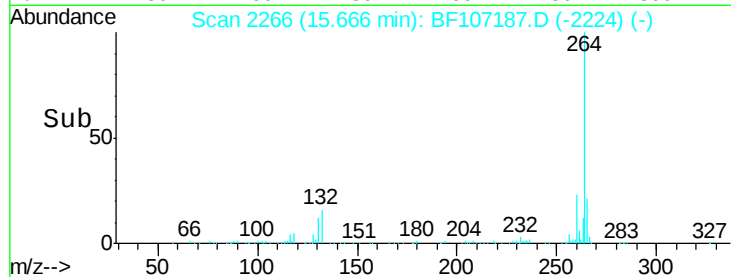
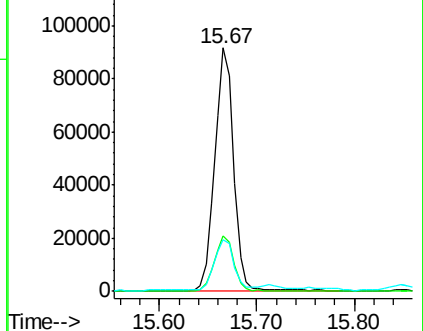
265 21.0 17.5 26.3



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



#87

Benzo(b)fluoranthene

Concen: 20.513 ng

RT: 15.21 min Scan# 2189

Delta R.T. -0.05 min

Lab File: BF107187.D

Acq: 6 Jul 2018 21:39

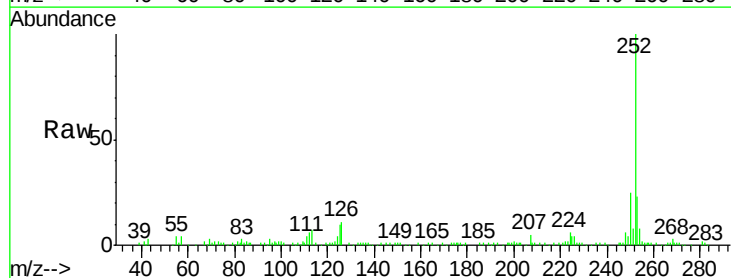
Tgt Ion:252 Resp: 157613

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

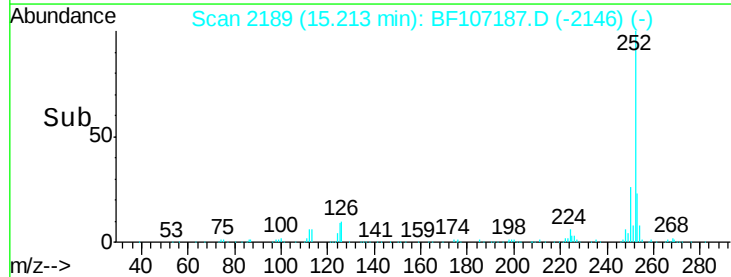
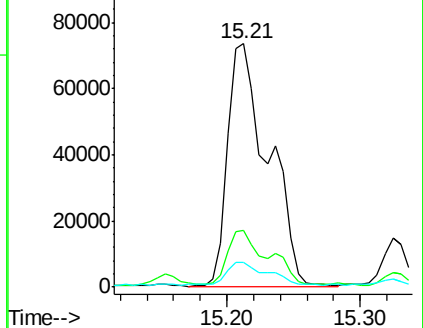
125 10.3 9.0 13.6

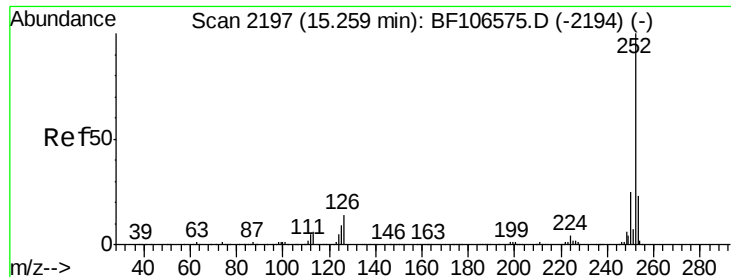


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

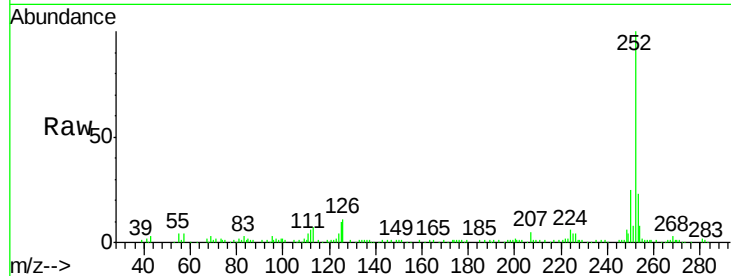




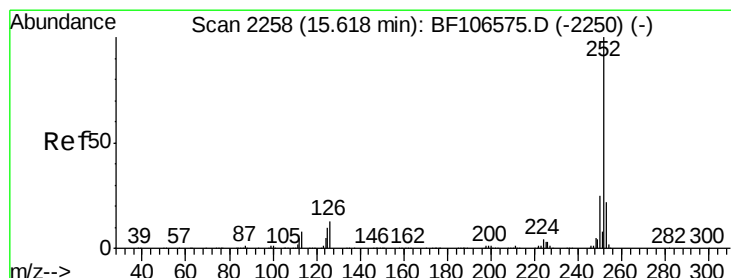
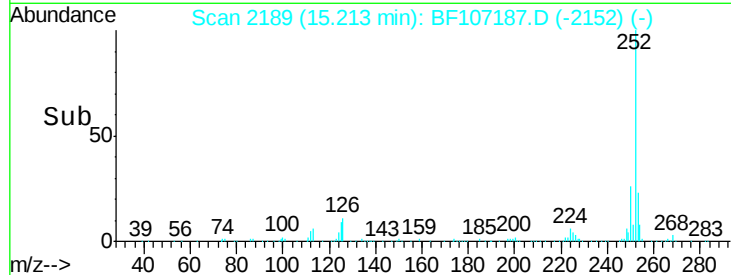
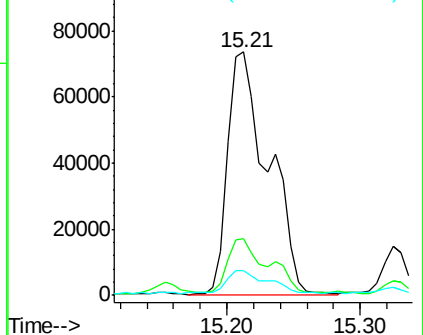
#88
Benzo(k)fluoranthene
Concen: 21.541 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.08 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-MCMaster-PH4-5(0-

Tgt Ion:252 Resp: 157613
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 10.3 10.2 15.2

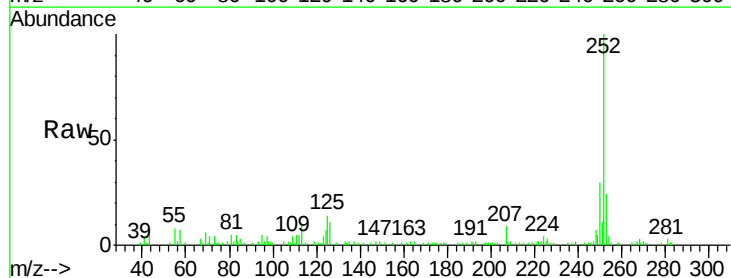


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

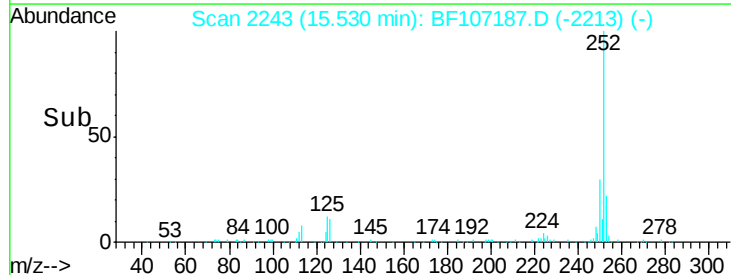
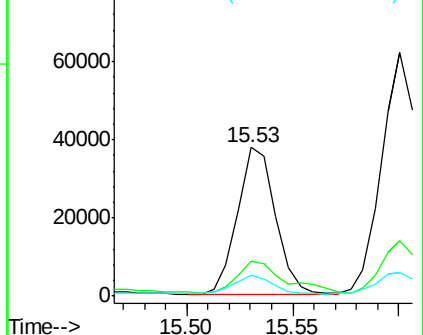


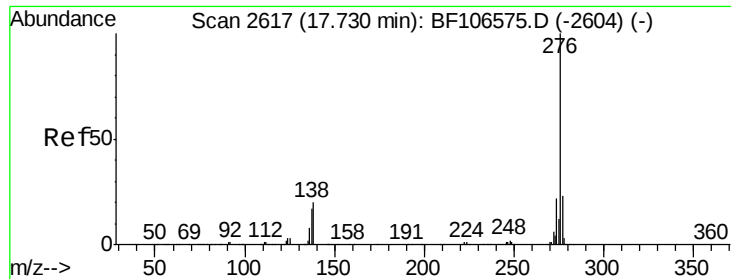
#89
Benzo(a)pyrene
Concen: 6.954 ng
RT: 15.53 min Scan# 2243
Delta R.T. -0.12 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

Tgt Ion:252 Resp: 47500
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 13.9 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





#91
 Benzo(g,h,i)perylene
 Concen: 5.401 ng
 RT: 17.72 min Scan# 2616
 Delta R.T. -0.06 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(0-

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	21.3	21.8	32.8

