

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
 Data File : BF107188.D
 Acq On : 6 Jul 2018 22:06
 Operator : JU/SJ
 Sample : J3874-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(3-

Quant Time: Jul 06 22:56:57 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	56762	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	204179	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	83311	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	141854	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	169094	20.00	ng	-0.03
86) Perylene-d12	15.67	264	125343	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	316604	94.45	ng	0.00
7) Phenol-d6	6.60	99	391717	93.57	ng	-0.01
23) Nitrobenzene-d5	7.51	82	229336	62.42	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	84737	87.76	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	357829	70.12	ng	-0.02
78) Terphenyl-d14	13.06	244	345348	49.47	ng	-0.02

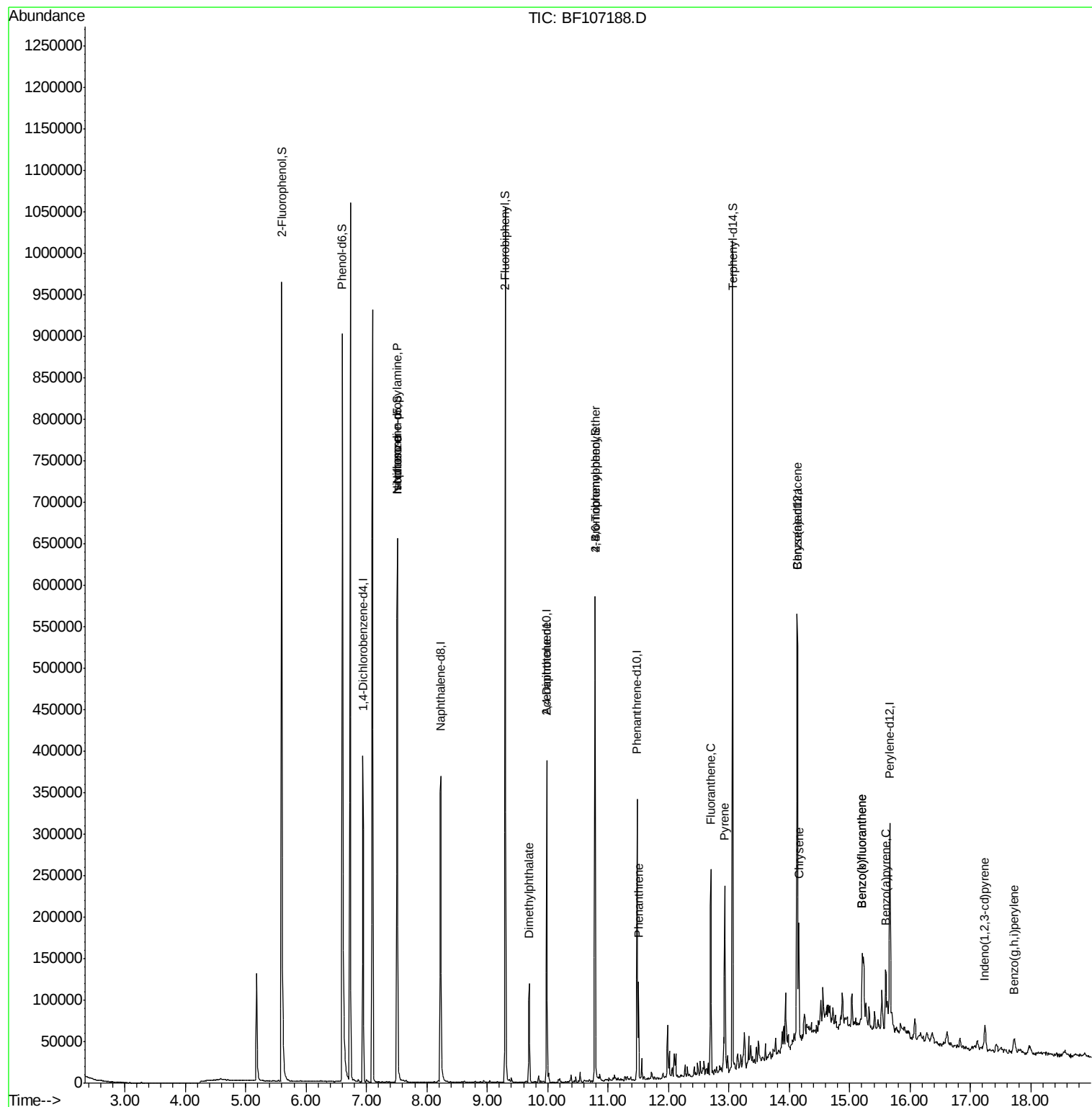
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.51	70	29588	10.723	ng	# 72
25) Isophorone	7.51	82	229334	35.423	ng	# 64
49) Dimethylphthalate	9.70	163	54093	8.657	ng	98
56) 2,4-Dinitrotoluene	9.98	165	10290	5.958	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	5214	3.080	ng	# 1
70) Phenanthrene	11.51	178	47260	6.907	ng	96
74) Fluoranthene	12.70	202	99375	13.178	ng	94
77) Pyrene	12.93	202	94429	8.469	ng	98
80) Benzo(a)anthracene	14.12	228	54818	5.319	ng	98
82) Chrysene	14.16	228	53270	5.618	ng	98
85) Indeno(1,2,3-cd)pyrene	17.24	276	18079	2.247	ng	# 90
87) Benzo(b)fluoranthene	15.21	252	69584	8.937	ng	97
88) Benzo(k)fluoranthene	15.21	252	69584	9.384	ng	98
89) Benzo(a)pyrene	15.59	252	35835	5.177	ng	96
91) Benzo(g,h,i)perylene	17.73	276	16675	2.908	ng	# 87

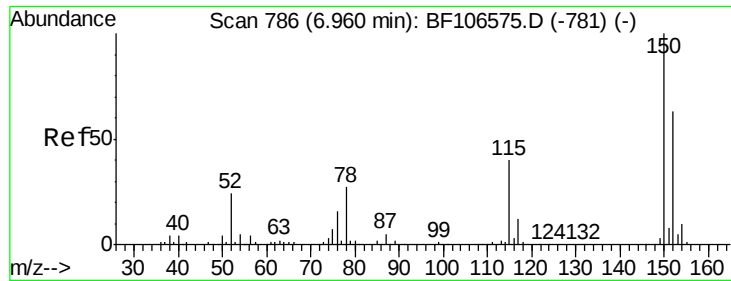
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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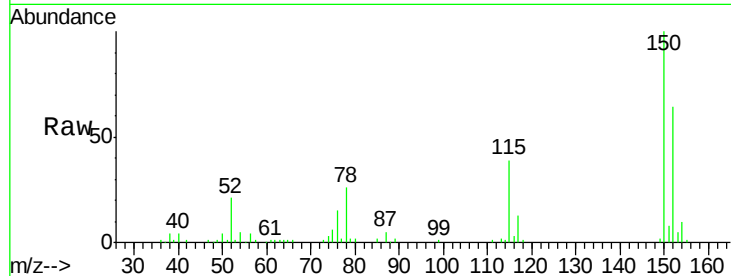




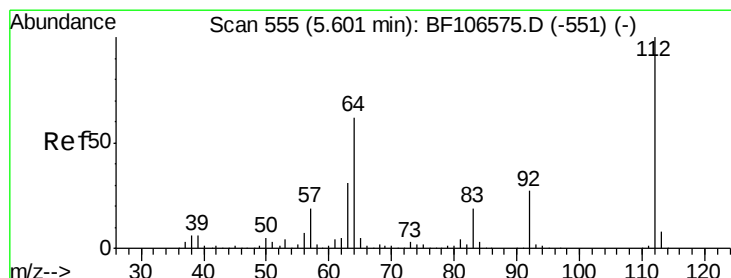
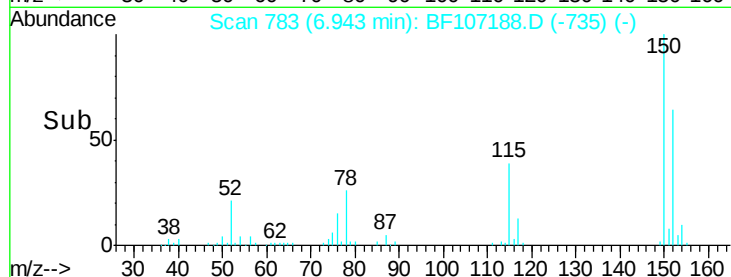
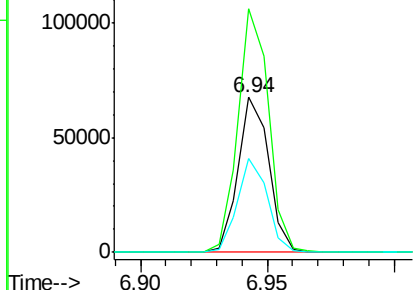
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF107188.D
 Acq: 6 Jul 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(3-

Tgt Ion:152 Resp: 56762
 Ion Ratio Lower Upper
 152 100
 150 157.3 124.6 186.8
 115 60.6 50.1 75.1

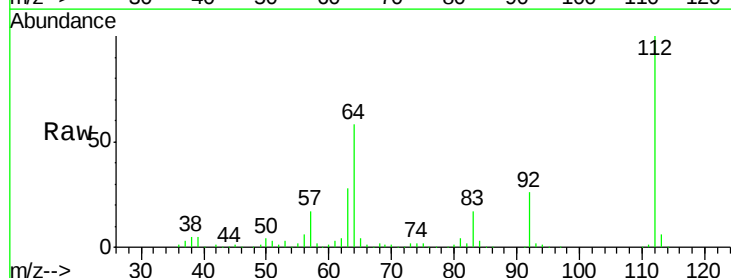


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

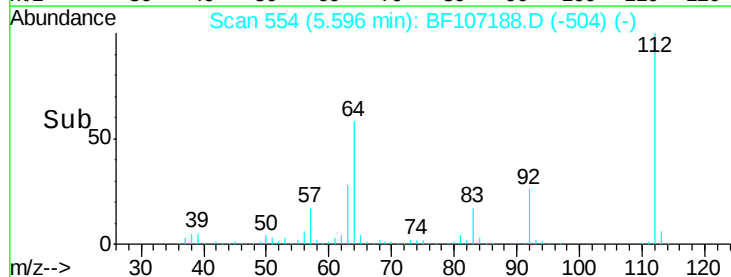
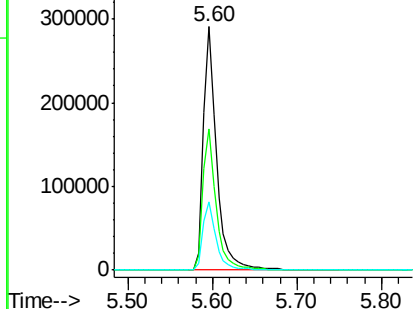


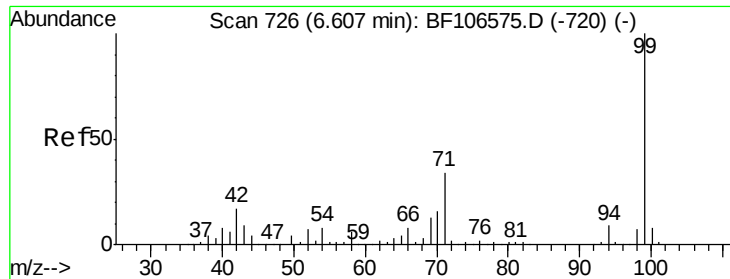
#5
 2-Fluorophenol
 Concen: 94.449 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107188.D
 Acq: 6 Jul 2018 22:06

Tgt Ion:112 Resp: 316604
 Ion Ratio Lower Upper
 112 100
 64 57.8 47.9 71.9
 63 28.2 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: 93.575 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107188.D

Acq: 6 Jul 2018 22:06

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-MCMaster-PH4-5(3-

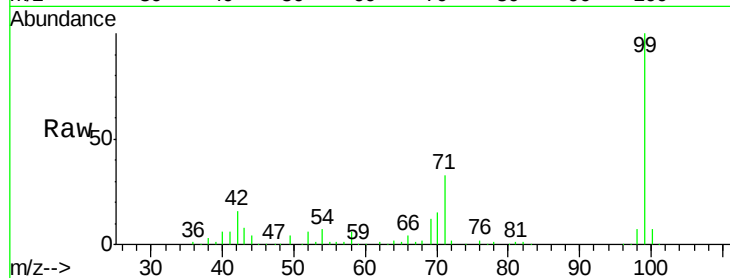
Tgt Ion: 99 Resp: 391717

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

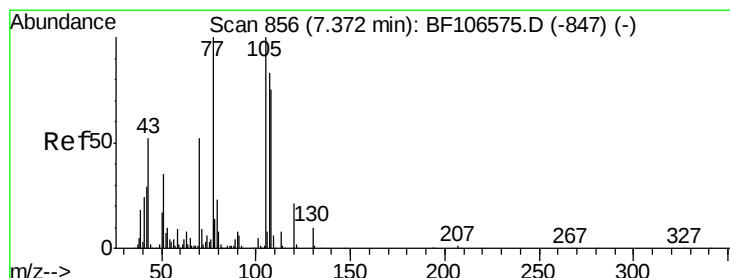
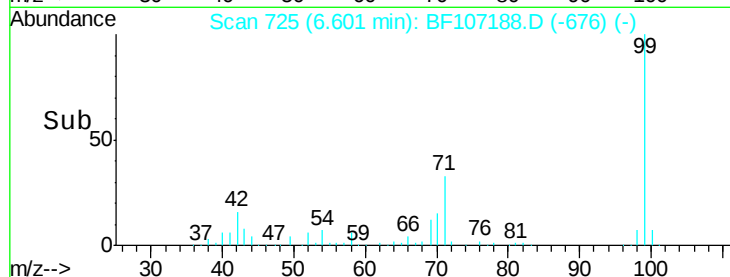
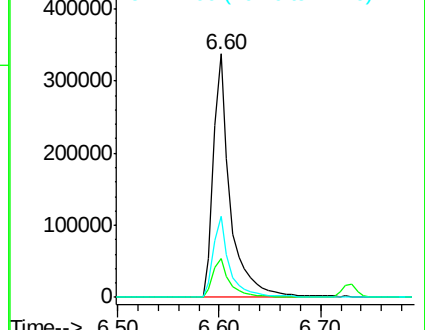
71 33.3 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.723 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107188.D

Acq: 6 Jul 2018 22:06

Tgt Ion: 70 Resp: 29588

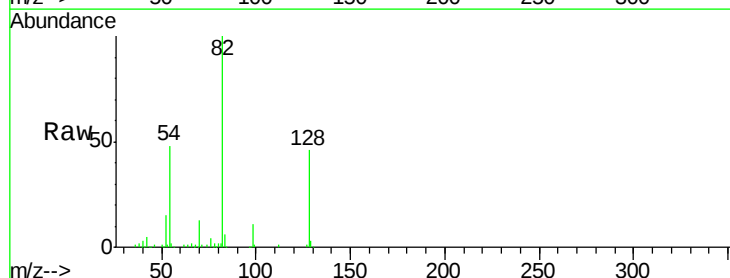
Ion Ratio Lower Upper

70 100

42 41.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

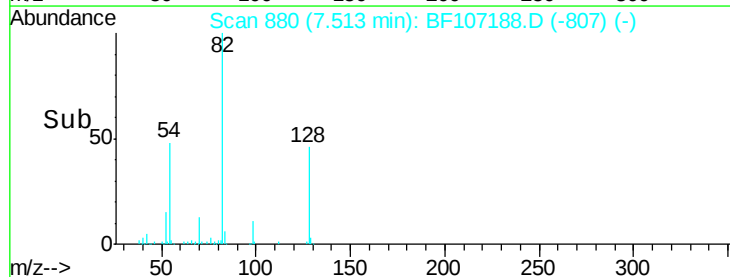
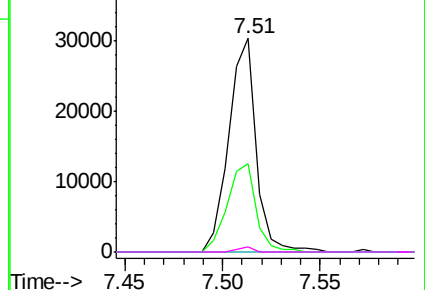


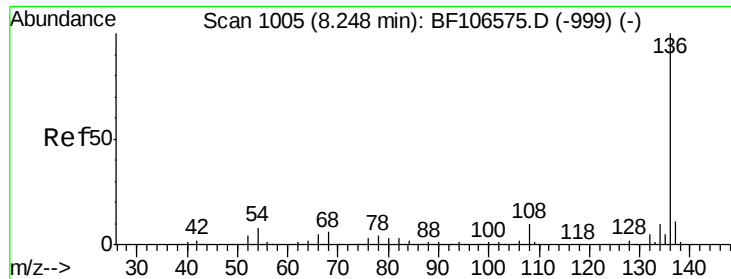
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

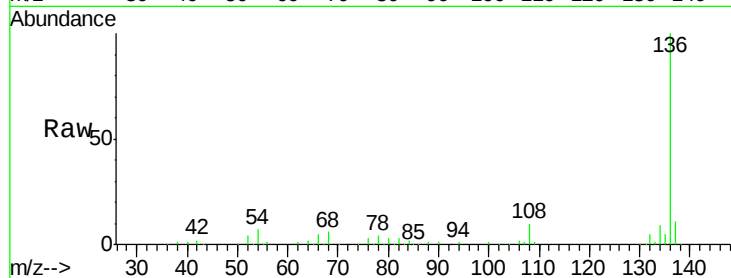




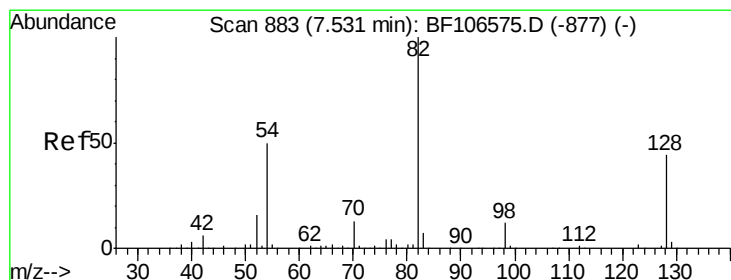
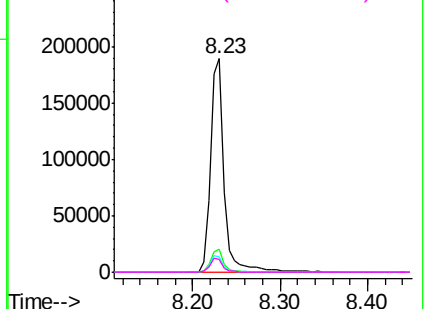
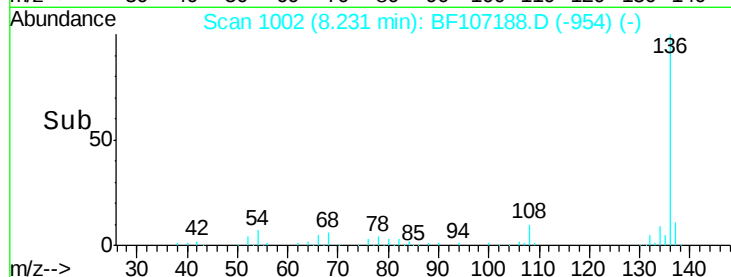
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107188.D
Acq: 6 Jul 2018 22:06

Instrument :
BNA_F
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2018-NYSEG-MCMaster-PH4-5(3-

Tgt Ion:	136	Resp:	204179
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	7.5	6.6	9.8
68	6.2	5.0	7.4

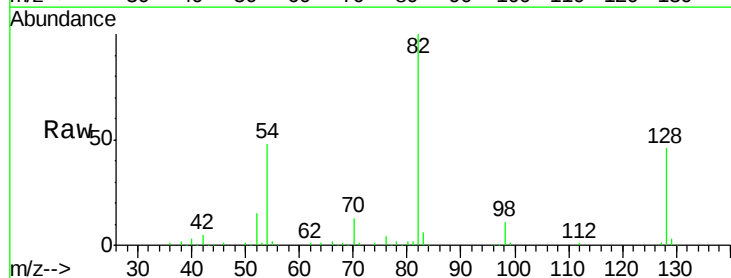


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

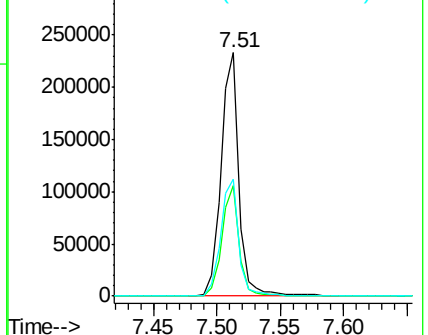
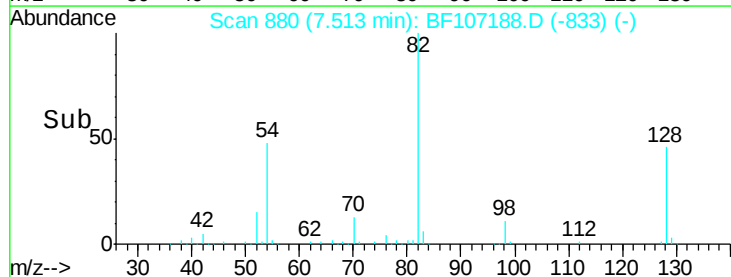


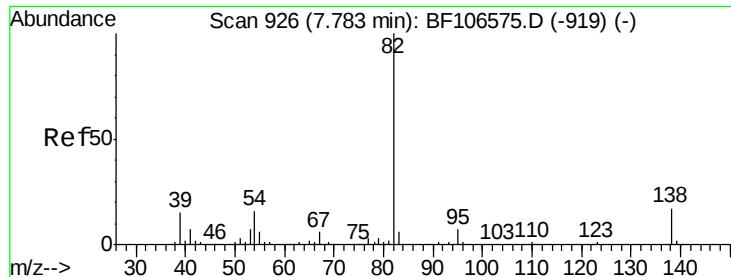
#23
Nitrobenzene-d5
Concen: 62.421 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107188.D
Acq: 6 Jul 2018 22:06

Tgt Ion:	82	Resp:	229336
Ion Ratio	Lower	Upper	
82	100		
128	45.6	36.1	54.1
54	48.0	41.4	62.2



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





#25

Isophorone

Concen: 35.423 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107188.D

Acq: 6 Jul 2018 22:06

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-MCMaster-PH4-5(3-

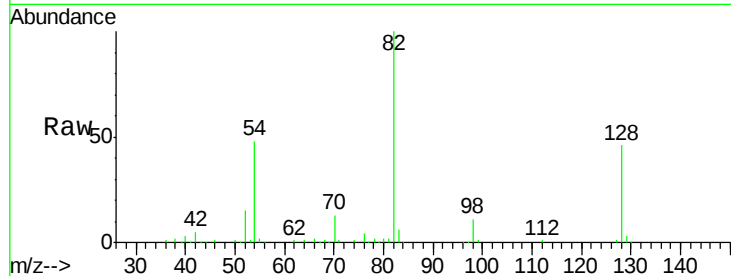
Tgt Ion: 82 Resp: 229334

Ion Ratio Lower Upper

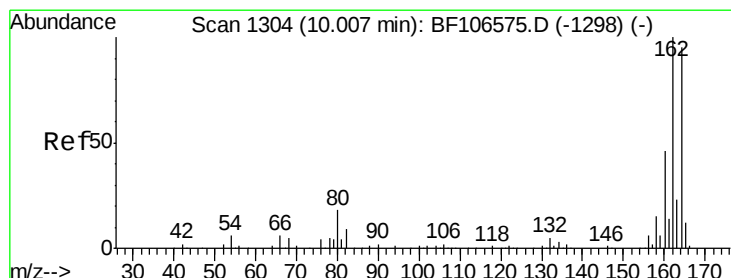
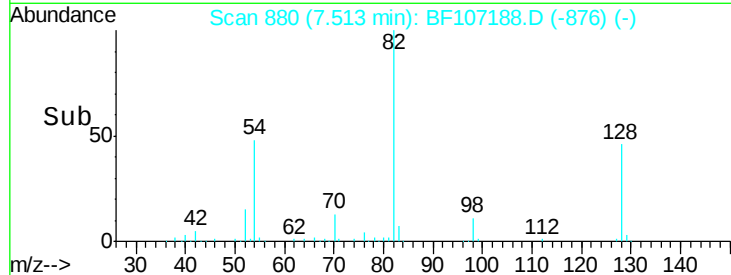
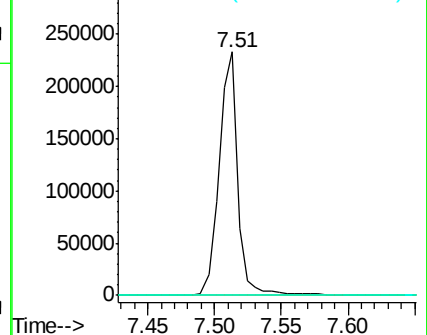
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF107188.D

Acq: 6 Jul 2018 22:06

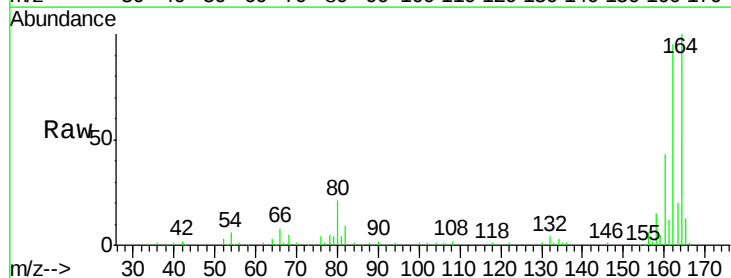
Tgt Ion: 164 Resp: 83311

Ion Ratio Lower Upper

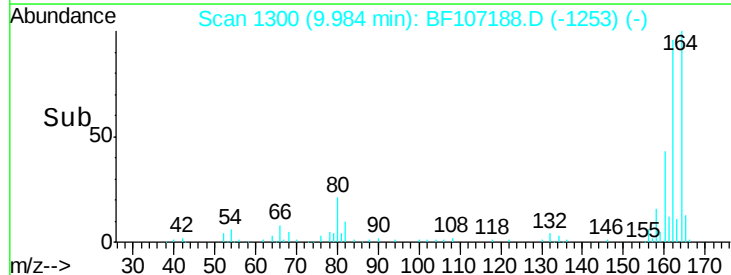
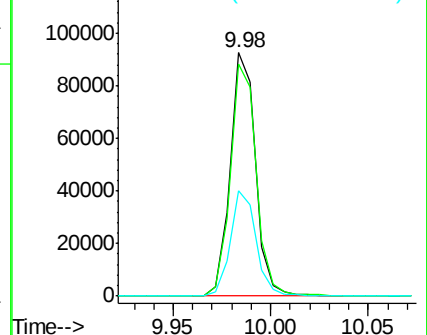
164 100

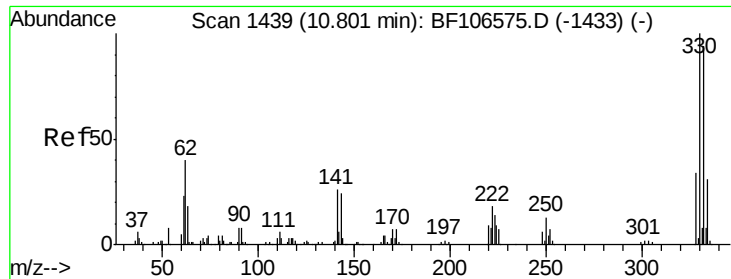
162 95.1 86.1 129.1

160 43.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

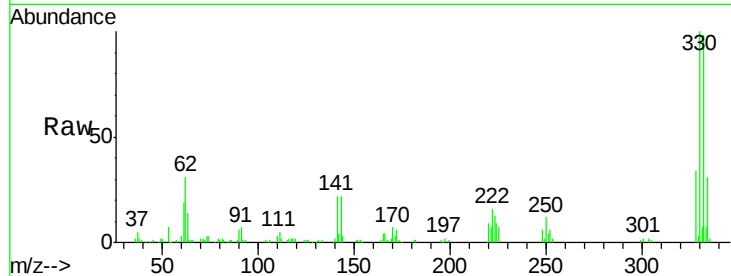




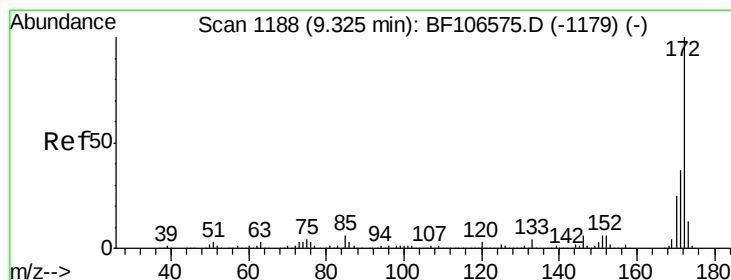
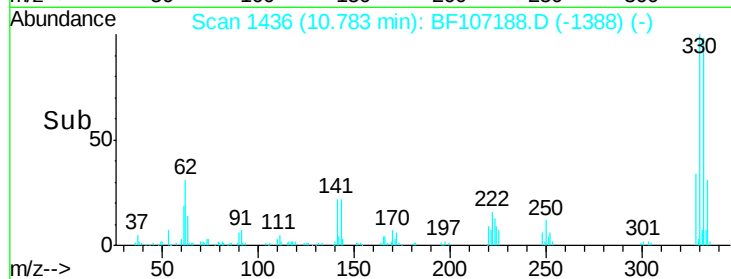
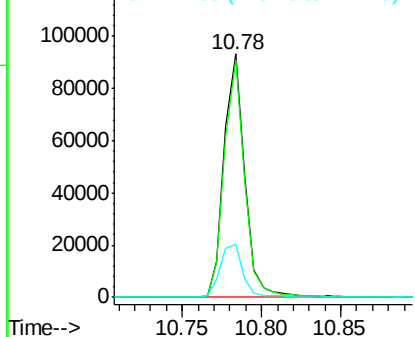
#41
 2,4,6-Tribromophenol
 Concen: 87.756 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107188.D
 Acq: 6 Jul 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(3-

Tgt Ion:330 Resp: 84737
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 23.6 29.9 44.9#

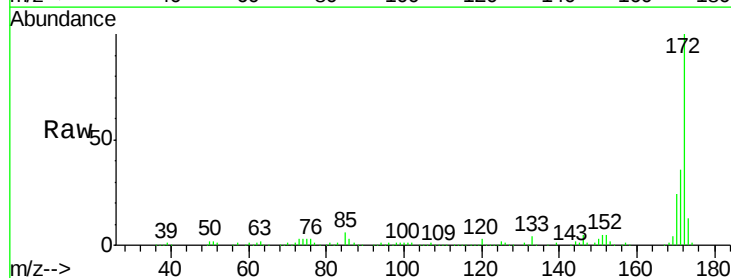


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

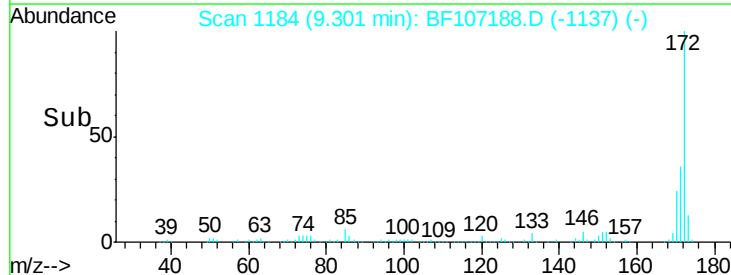
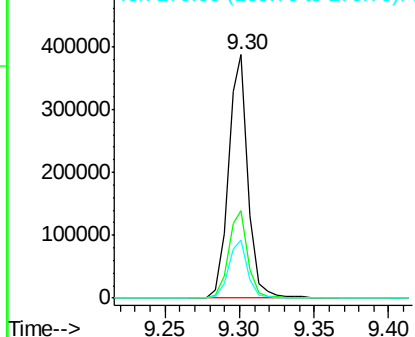


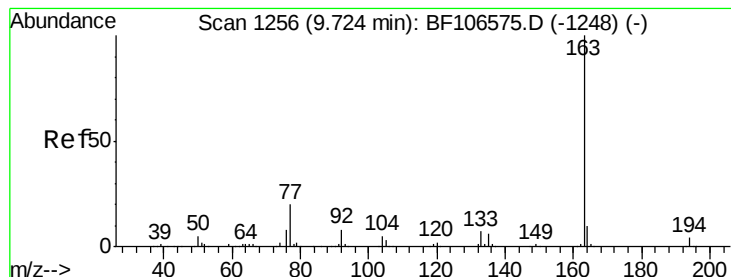
#44
 2-Fluorobiphenyl
 Concen: 70.117 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107188.D
 Acq: 6 Jul 2018 22:06

Tgt Ion:172 Resp: 357829
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.9 19.6 29.4



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





#49

Dimethylphthalate

Concen: 8.657 ng

RT: 9.70 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BF107188.D

Acq: 6 Jul 2018 22:06

Instrument :

BNA_F

ClientSampleId :

2018-NYSEG-MCMaster-PH4-5(3-

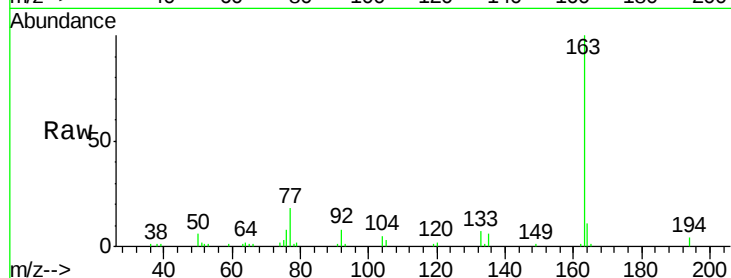
Tgt Ion:163 Resp: 54093

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

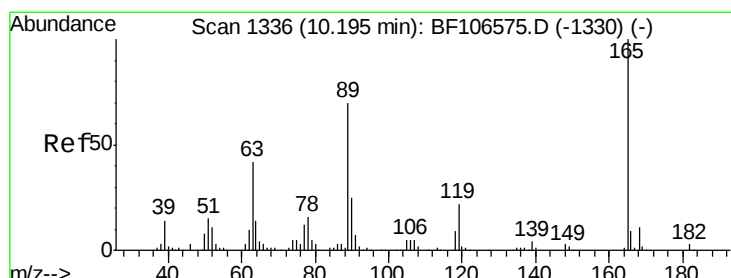
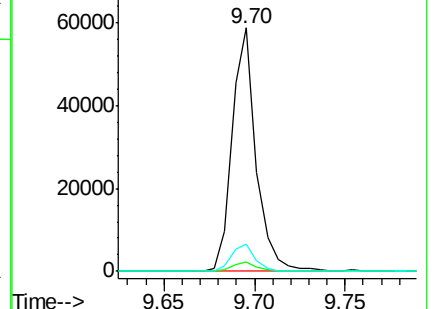
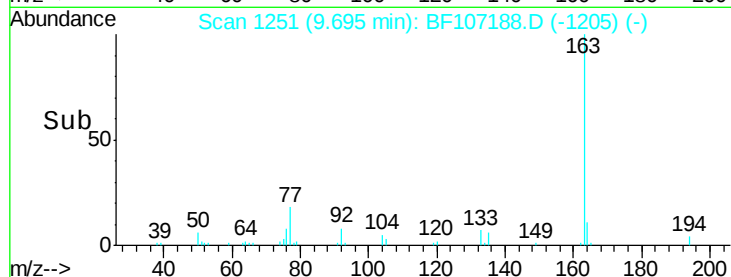
164 11.2 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.958 ng

RT: 9.98 min Scan# 1300

Delta R.T. -0.22 min

Lab File: BF107188.D

Acq: 6 Jul 2018 22:06

Tgt Ion:165 Resp: 10290

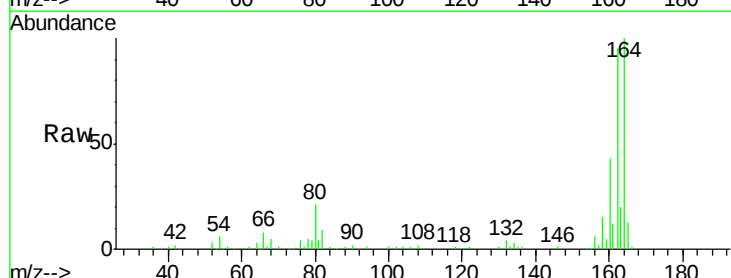
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

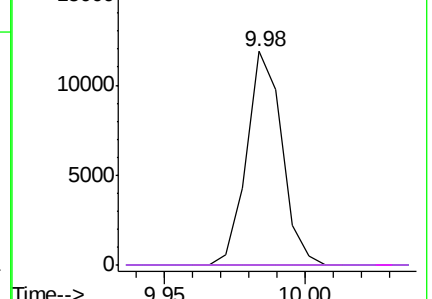
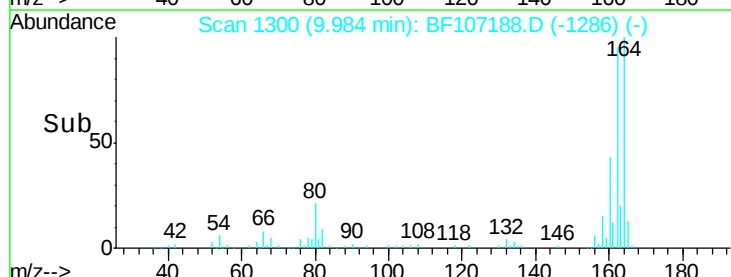


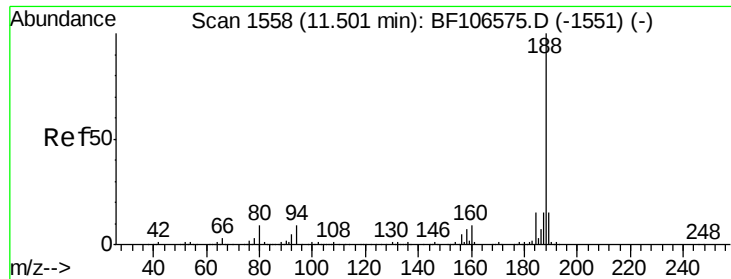
Abundance Ion 165.00 (164.70 to 165.70): E

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

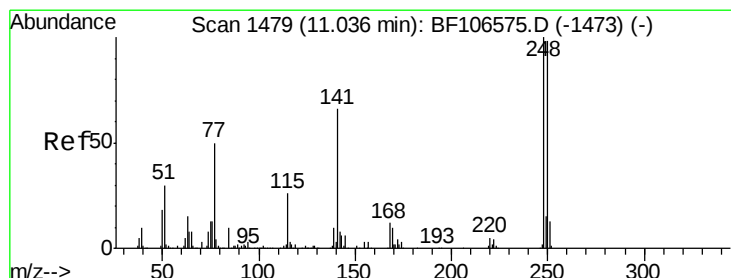
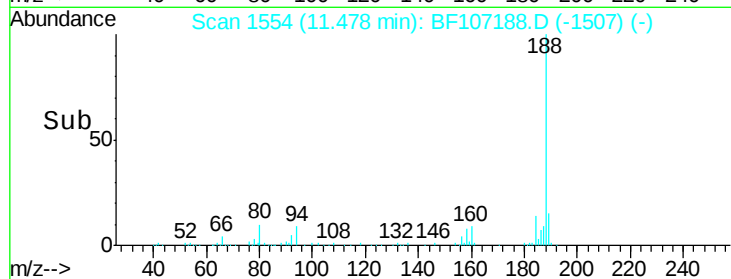
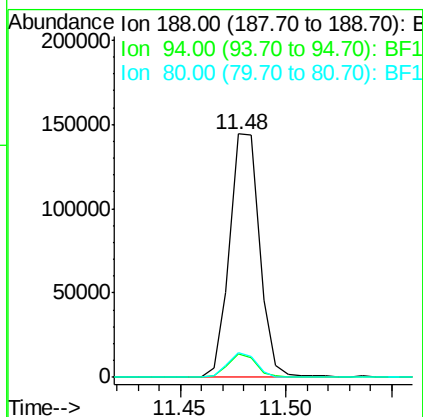
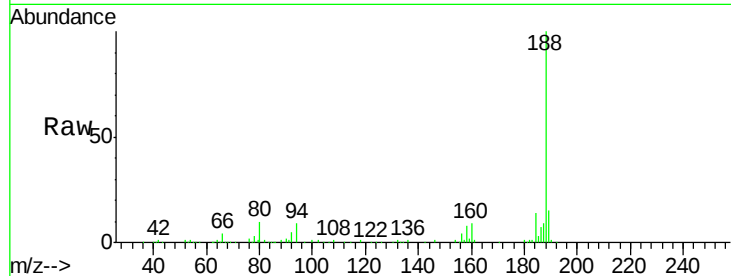




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107188.D
Acq: 6 Jul 2018 22:06

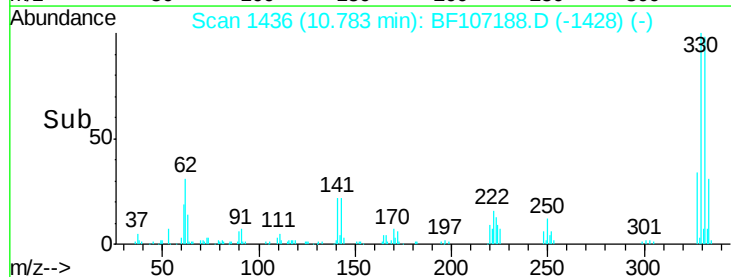
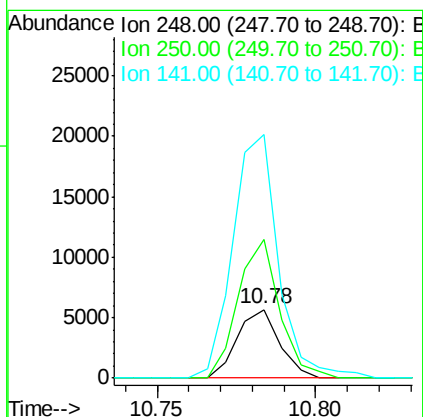
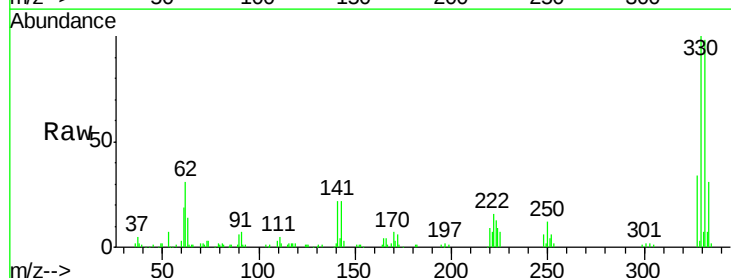
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-MCMaster-PH4-5(3-

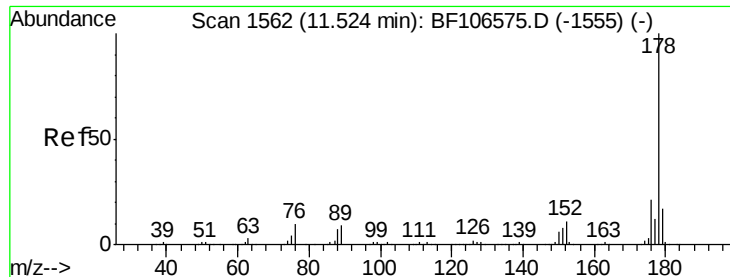
Tgt Ion:188 Resp: 141854
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.1 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.080 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF107188.D
Acq: 6 Jul 2018 22:06

Tgt Ion:248 Resp: 5214
Ion Ratio Lower Upper
248 100
250 202.2 76.9 115.3#
141 356.5 74.4 111.6#

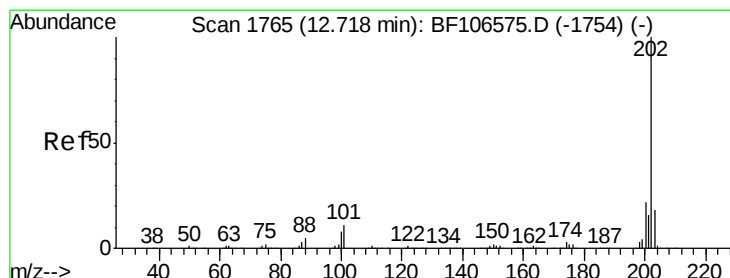
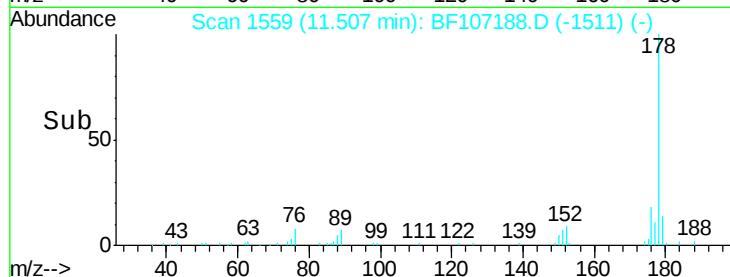
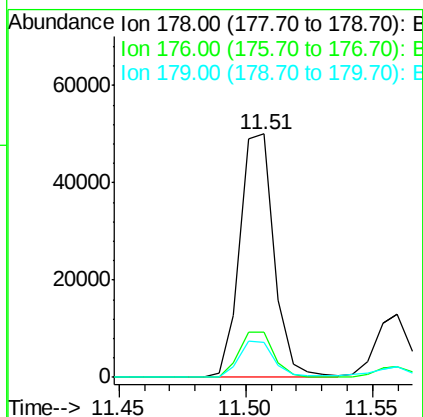
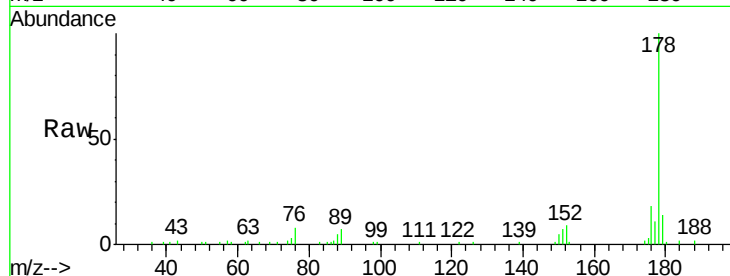




#70
Phenanthrene
Concen: 6.907 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107188.D
Acq: 6 Jul 2018 22:06

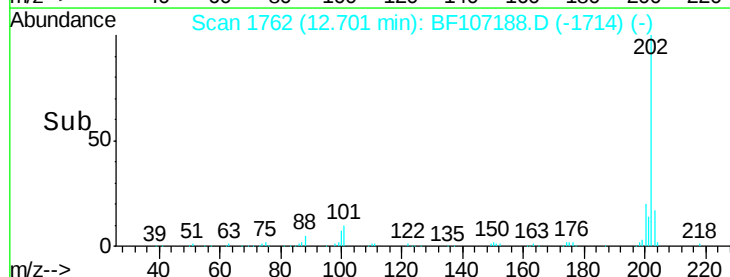
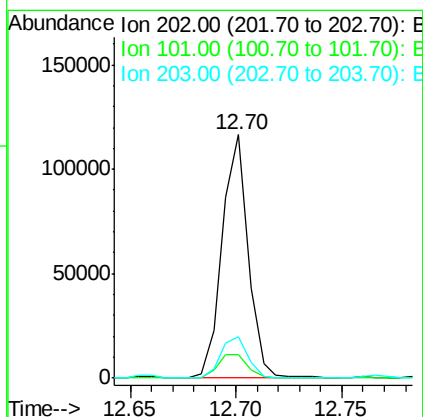
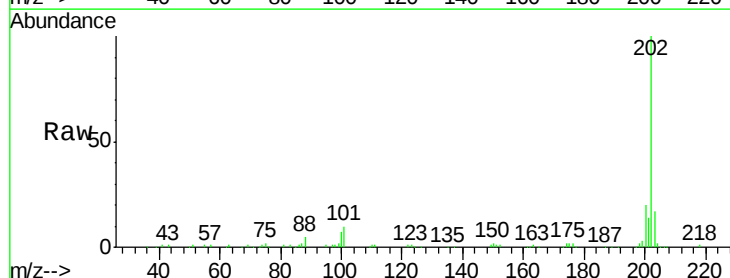
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-MCMaster-PH4-5(3-

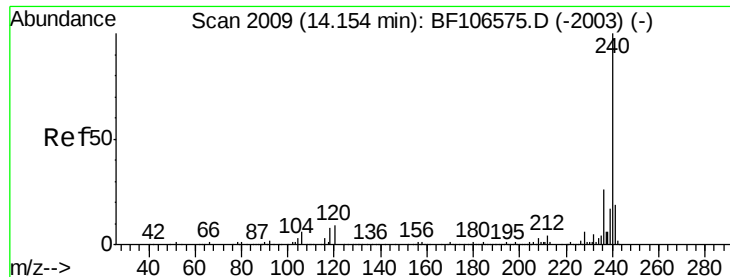
Tgt Ion:178 Resp: 47260
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 14.3 13.0 19.6



#74
Fluoranthene
Concen: 13.178 ng
RT: 12.70 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BF107188.D
Acq: 6 Jul 2018 22:06

Tgt Ion:202 Resp: 99375
Ion Ratio Lower Upper
202 100
101 9.7 0.0 34.1
203 17.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF107188.D

Acq: 6 Jul 2018 22:06

Instrument :

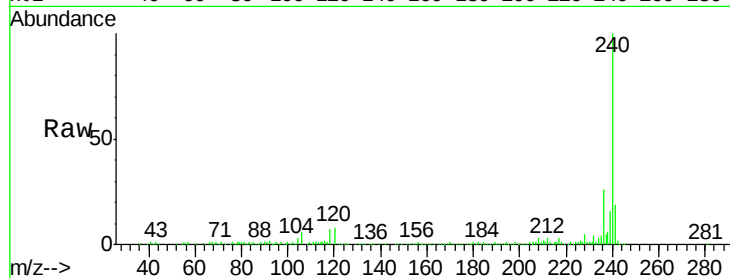
BNA_F

ClientSampleId :

2018-NYSEG-MCMaster-PH4-5(3-

Tgt Ion:240 Resp: 169094

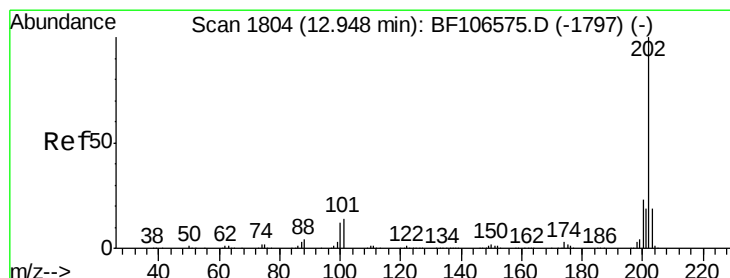
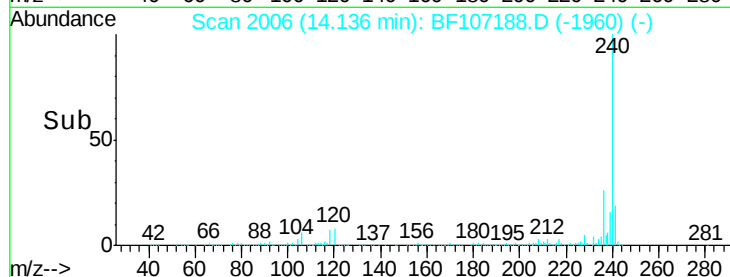
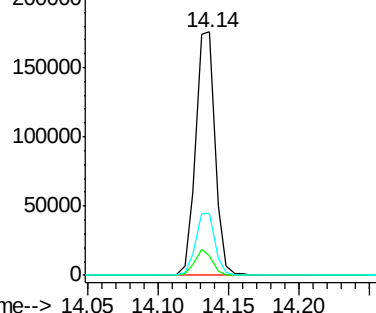
Ion	Ratio	Lower	Upper
240	100		
120	8.0	9.5	14.3#
236	25.5	20.7	31.1



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: 8.469 ng

RT: 12.93 min Scan# 1801

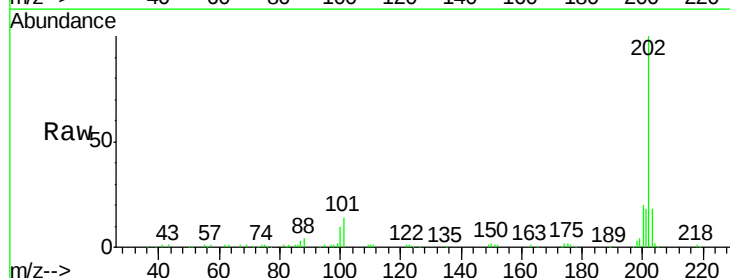
Delta R.T. -0.02 min

Lab File: BF107188.D

Acq: 6 Jul 2018 22:06

Tgt Ion:202 Resp: 94429

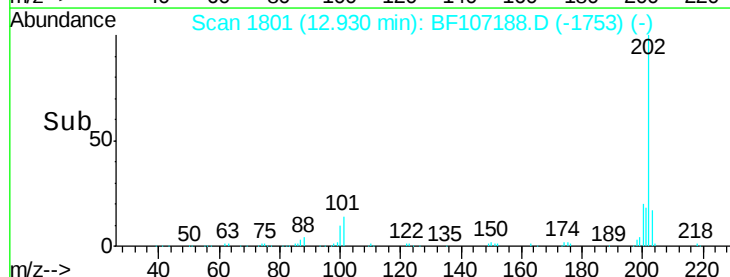
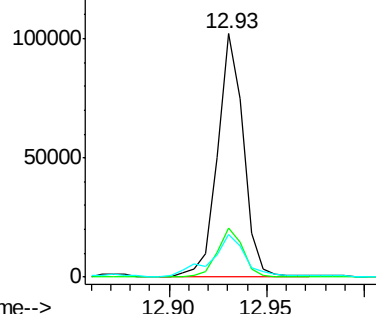
Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	17.8	14.3	21.5

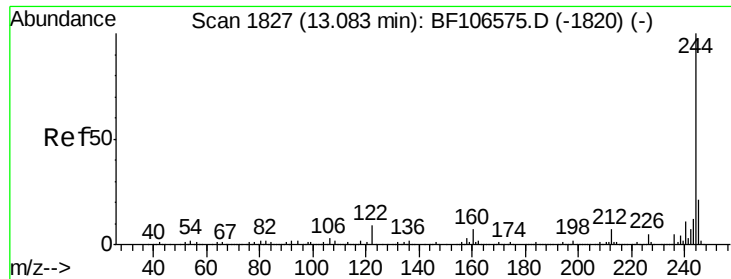


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

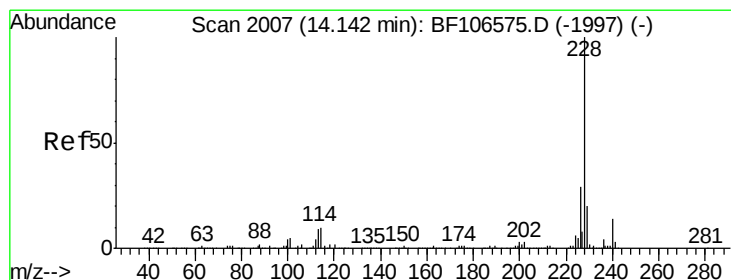
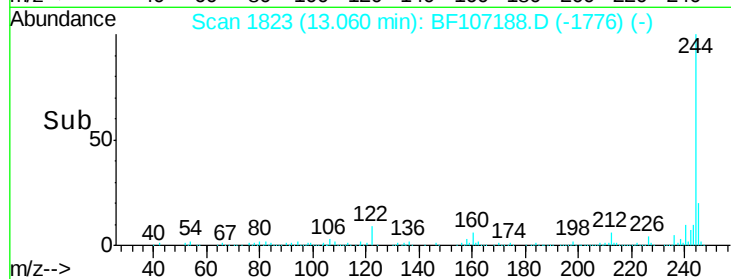
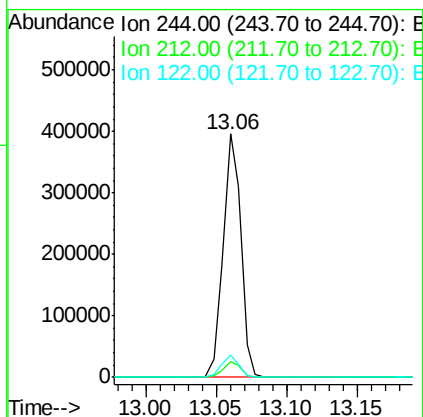
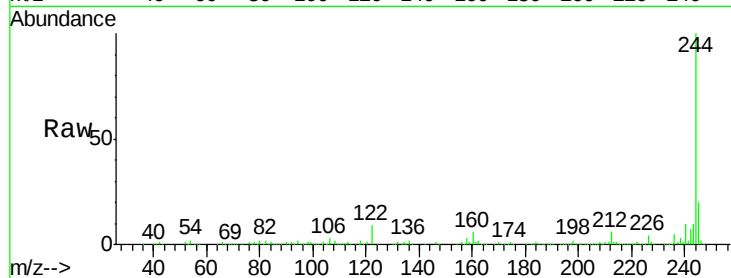




#78
 Terphenyl-d14
 Concen: 49.472 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.02 min
 Lab File: BF107188.D
 Acq: 6 Jul 2018 22:06

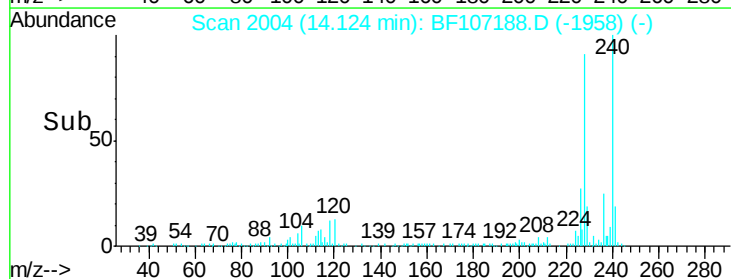
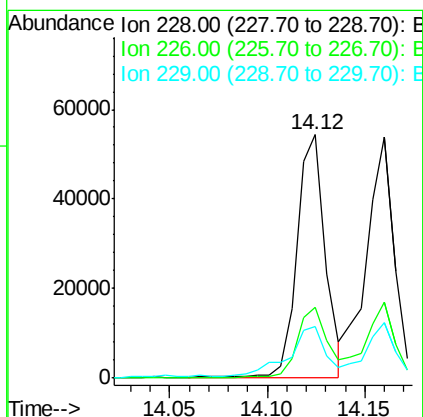
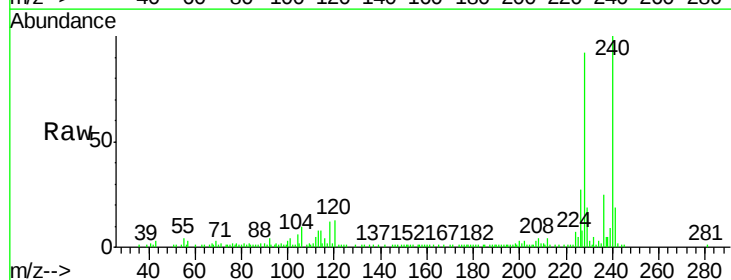
Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(3-

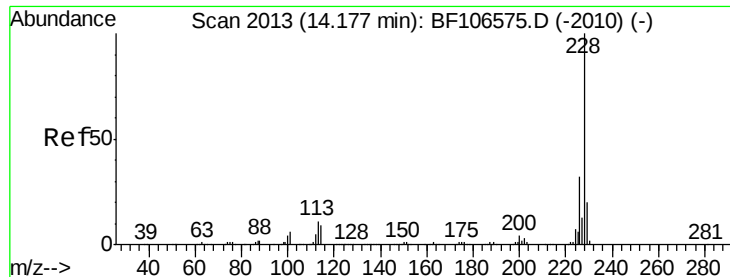
Tgt Ion: 244 Resp: 345348
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 9.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 5.319 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.03 min
 Lab File: BF107188.D
 Acq: 6 Jul 2018 22:06

Tgt Ion: 228 Resp: 54818
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.6 33.8
 229 21.0 15.8 23.6

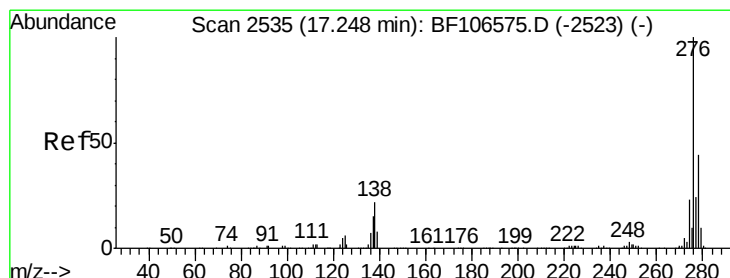
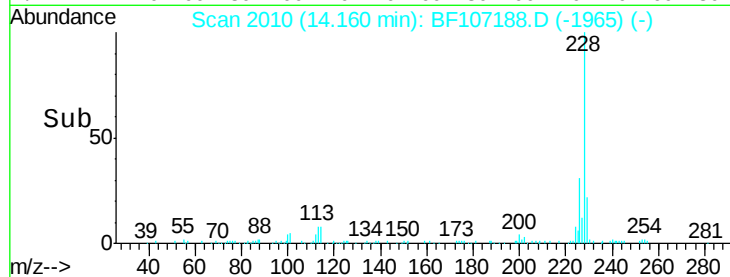
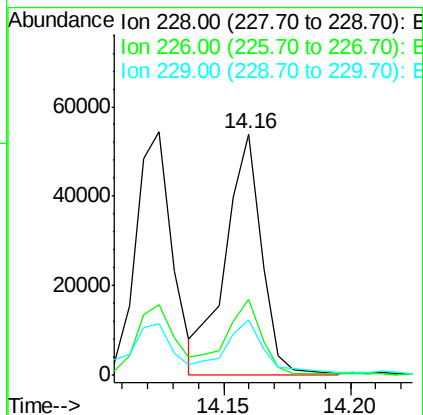
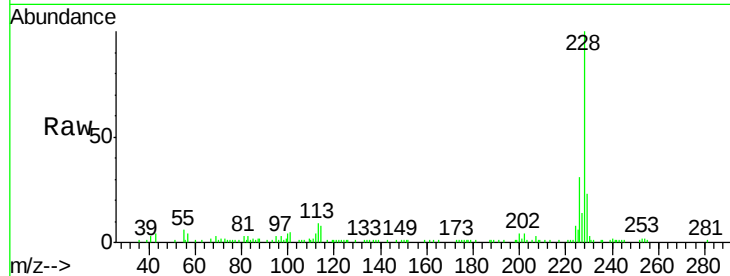




#82
Chrysene
Concen: 5.618 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.04 min
Lab File: BF107188.D
Acq: 6 Jul 2018 22:06

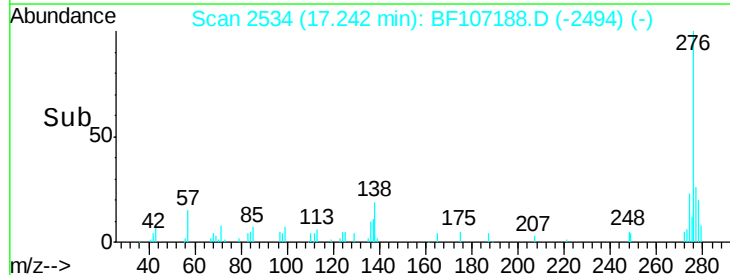
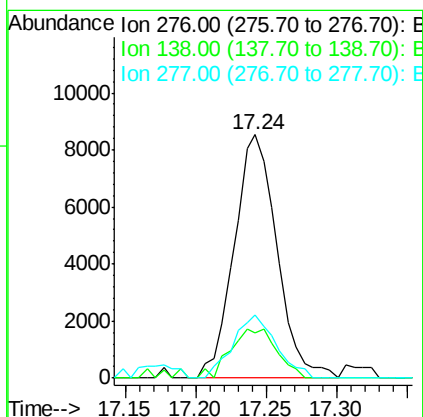
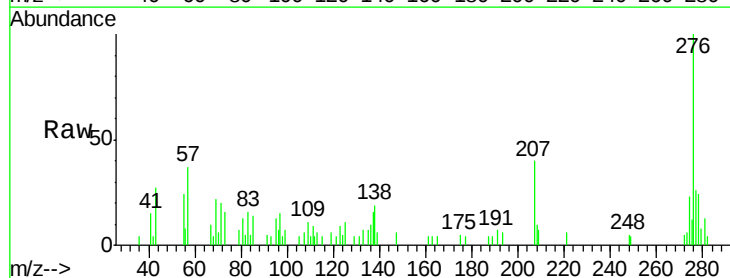
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-MCMaster-PH4-5(3-

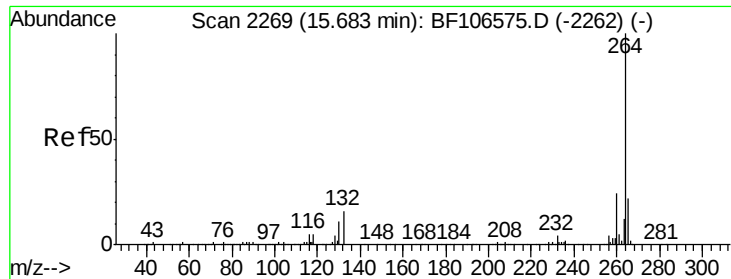
Tgt Ion: 228 Resp: 53270
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 23.0 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.247 ng
RT: 17.24 min Scan# 2534
Delta R.T. -0.06 min
Lab File: BF107188.D
Acq: 6 Jul 2018 22:06

Tgt Ion: 276 Resp: 18079
Ion Ratio Lower Upper
276 100
138 22.0 25.0 37.6#
277 26.1 20.1 30.1

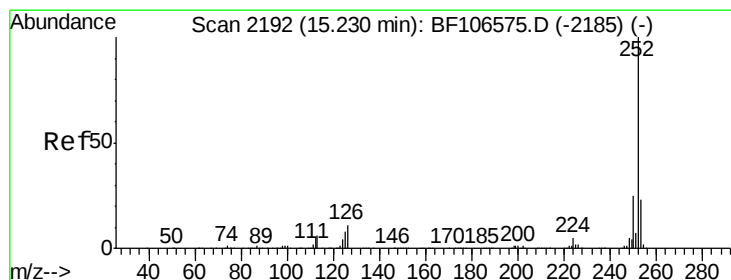
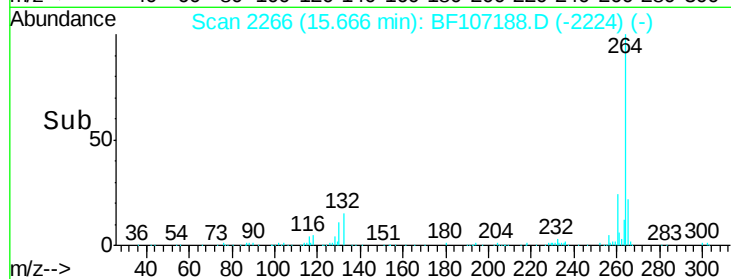
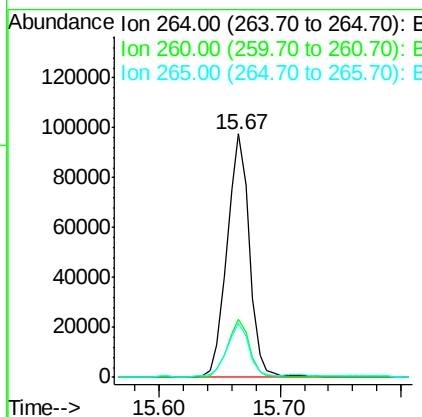
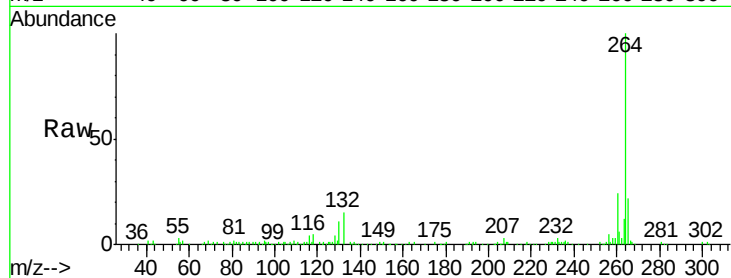




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2266
Delta R.T. -0.05 min
Lab File: BF107188.D
Acq: 6 Jul 2018 22:06

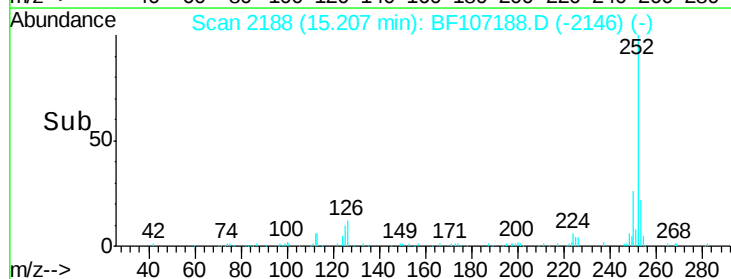
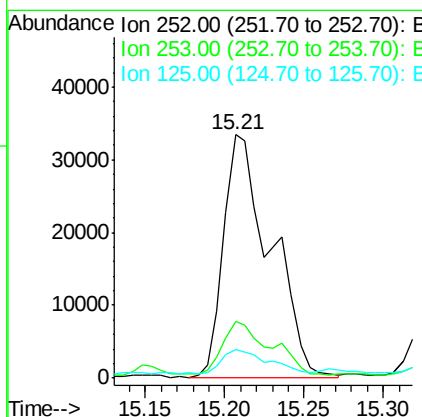
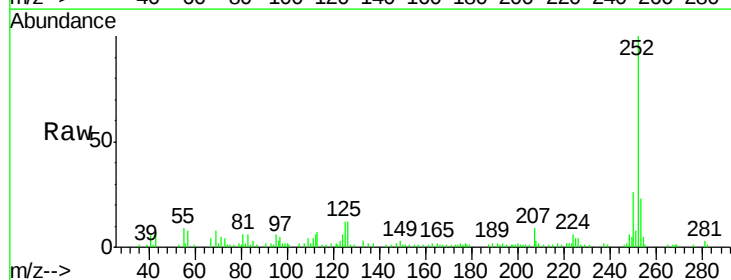
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-MCMaster-PH4-5(3-

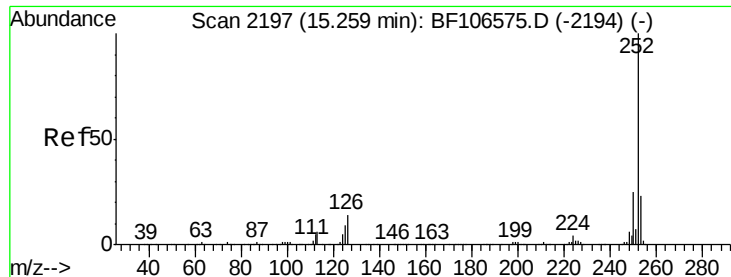
Tgt Ion: 264 Resp: 125343
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 8.937 ng
RT: 15.21 min Scan# 2188
Delta R.T. -0.05 min
Lab File: BF107188.D
Acq: 6 Jul 2018 22:06

Tgt Ion: 252 Resp: 69584
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 11.5 9.0 13.6

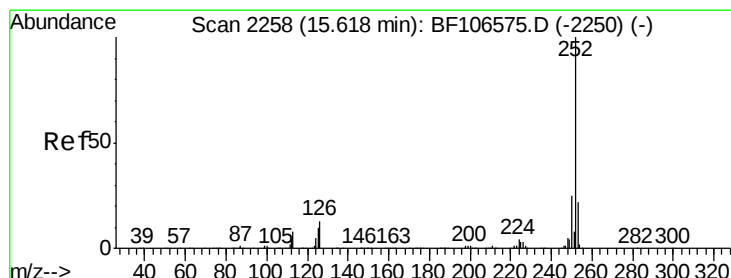
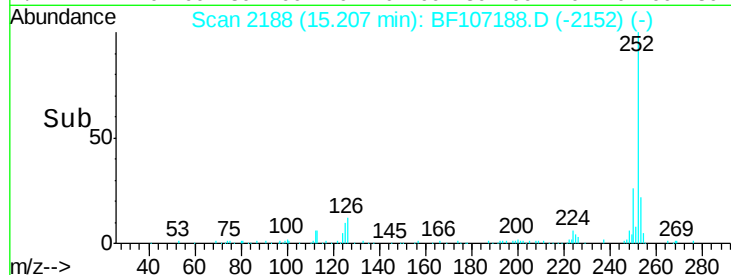
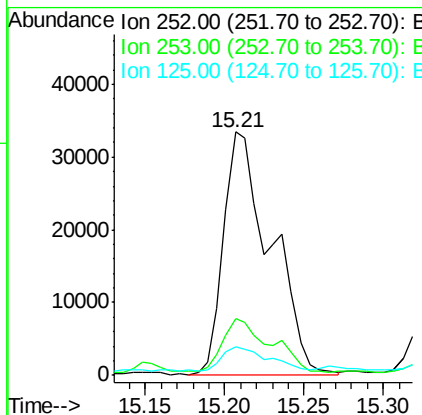
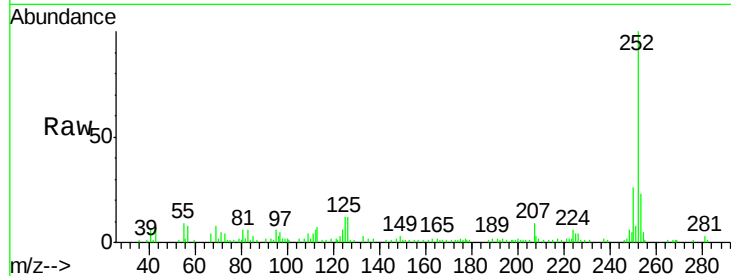




#88
Benzo(k)fluoranthene
Concen: 9.384 ng
RT: 15.21 min Scan# 2188
Delta R.T. -0.09 min
Lab File: BF107188.D
Acq: 6 Jul 2018 22:06

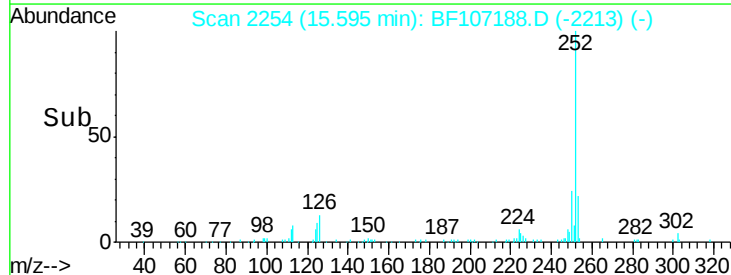
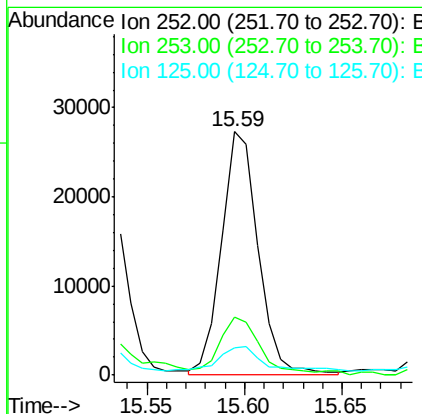
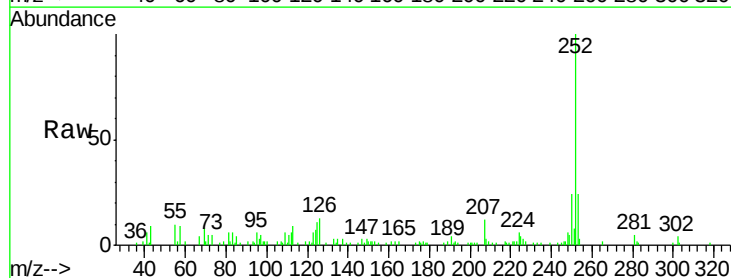
Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-MCMaster-PH4-5(3-

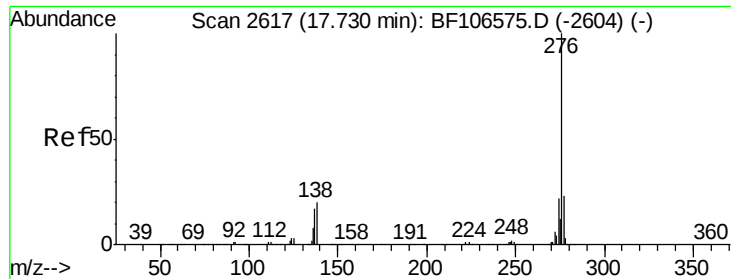
Tgt Ion:252 Resp: 69584
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 11.5 10.2 15.2



#89
Benzo(a)pyrene
Concen: 5.177 ng
RT: 15.59 min Scan# 2254
Delta R.T. -0.06 min
Lab File: BF107188.D
Acq: 6 Jul 2018 22:06

Tgt Ion:252 Resp: 35835
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 11.0 9.8 14.6

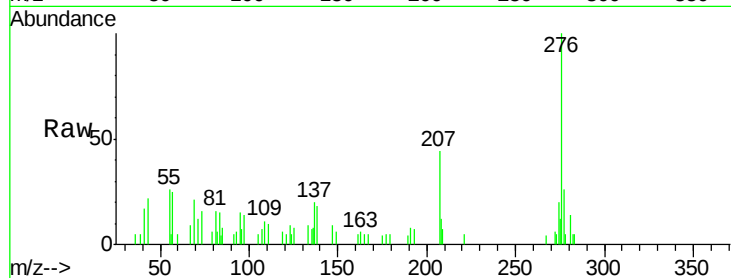




#91
 Benzo(g,h,i)perylene
 Concen: 2.908 ng
 RT: 17.73 min Scan# 2617
 Delta R.T. -0.06 min
 Lab File: BF107188.D
 Acq: 6 Jul 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(3-

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	17.9	26.9
138	18.1	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

