

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-

Manual Integrations
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Quant Time: Jul 06 23:49:28 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						
49) Dimethylphthalate	9.70	163	69039	9.966	ng	100
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	122100m	15.891	ng	
88) Benzo(k)fluoranthene	15.24	252	33984m	4.645	ng	
89) Benzo(a)pyrene	15.60	252	74898m	10.965	ng	
91) Benzo(a,h,i)perylene	17.72	276	30559	5.401	ng	# 91

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

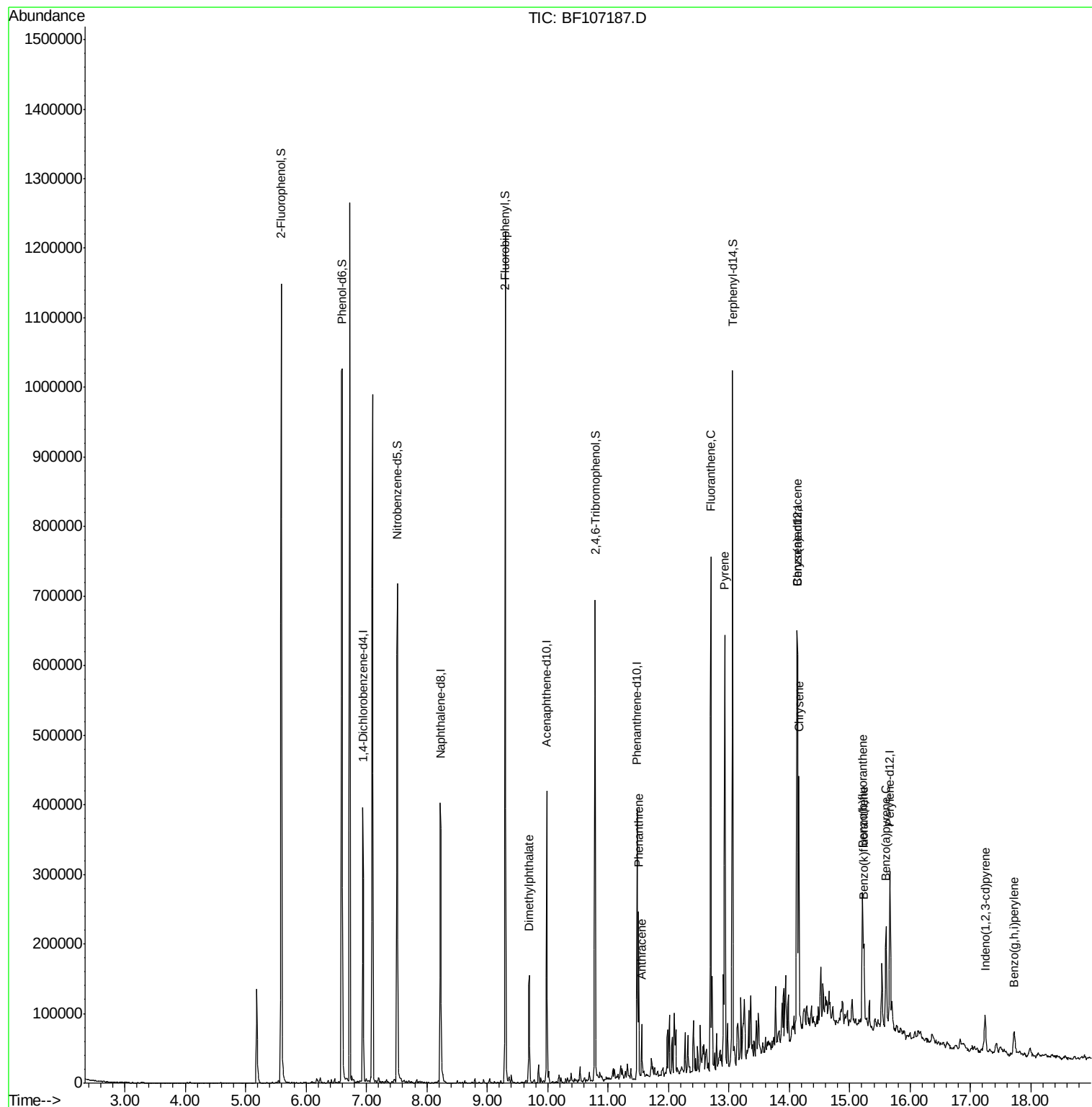
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107187.D
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Sample : J3874-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

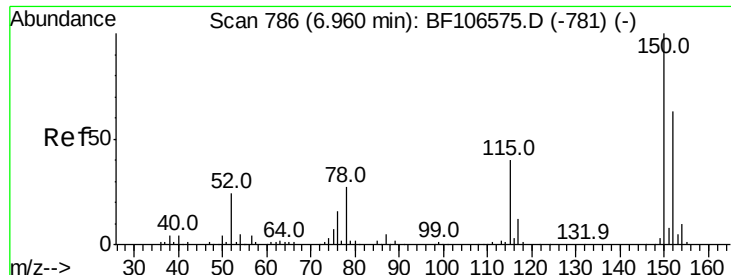
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#1

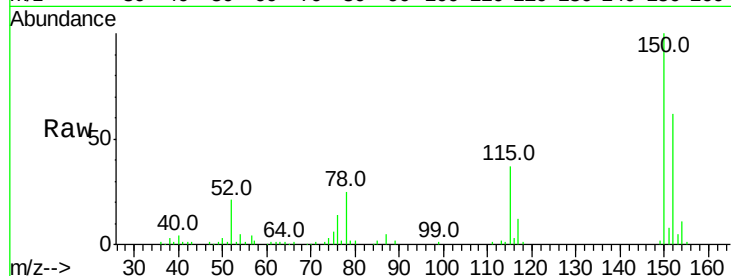
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

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

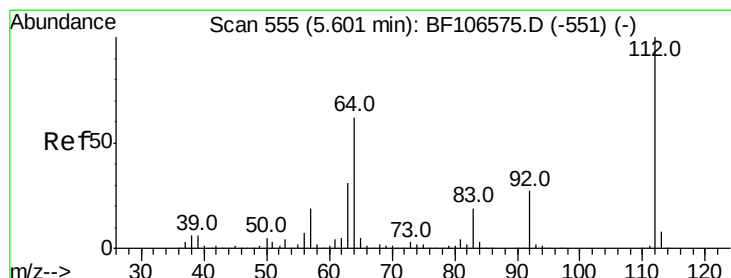
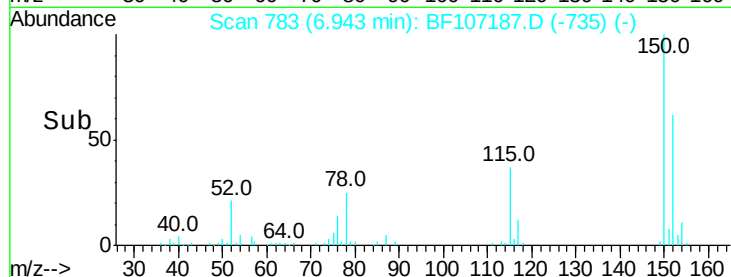
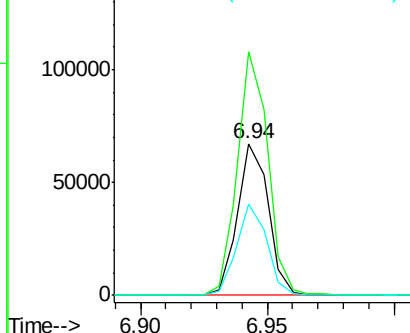
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	60.1	50.1	75.1

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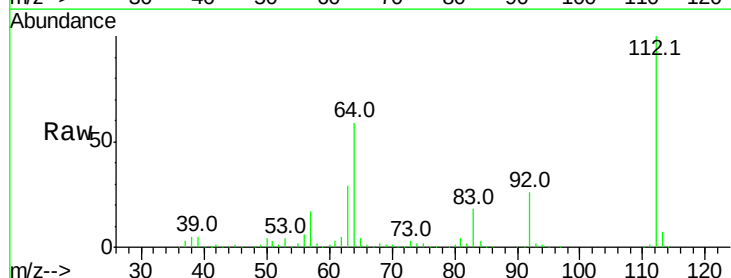
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



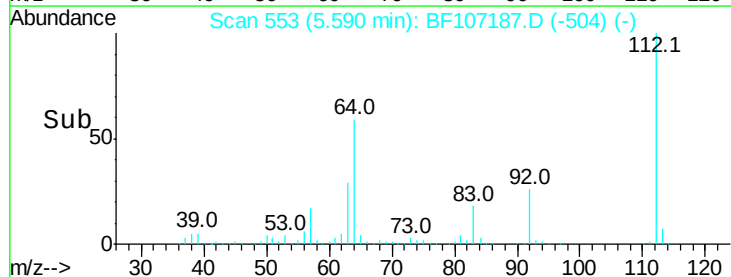
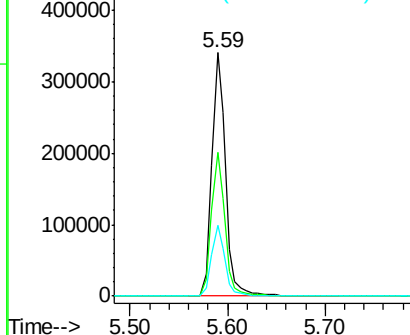
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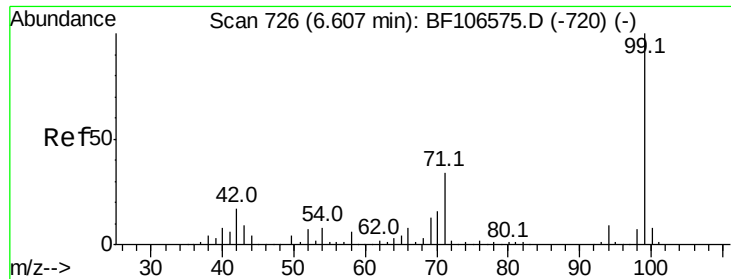
2-Fluorophenol
Concen: 98.685 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

Tgt Ion	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

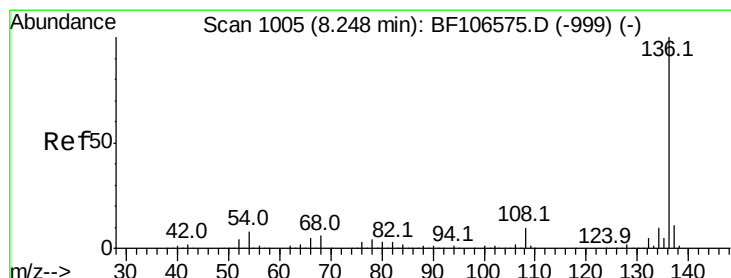
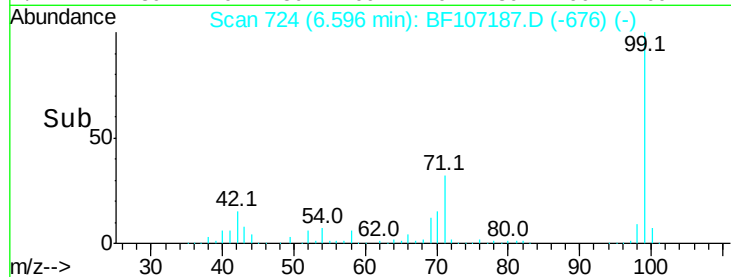
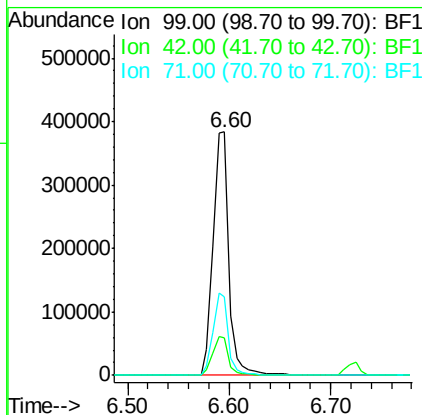
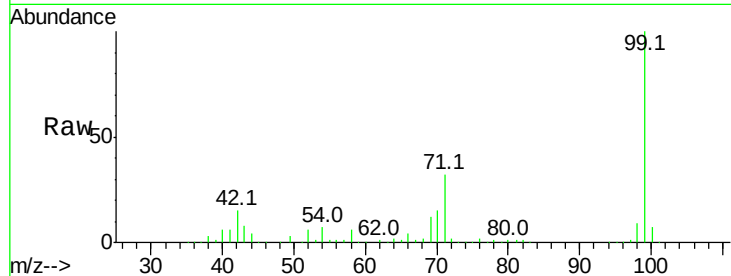
ClientSampleId :

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

Tot Ion:	99	Resp:	417691
Ion Ratio	Lower	Upper	
99	100		
42	15.3	14.5	21.7
71	32.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

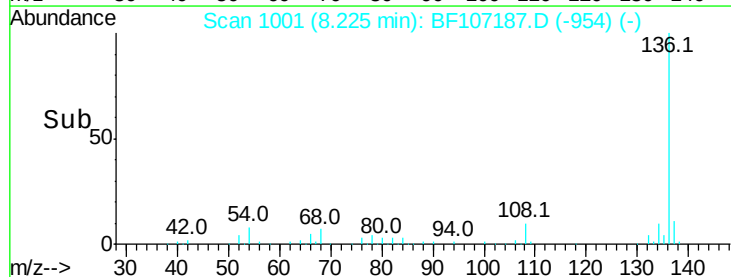
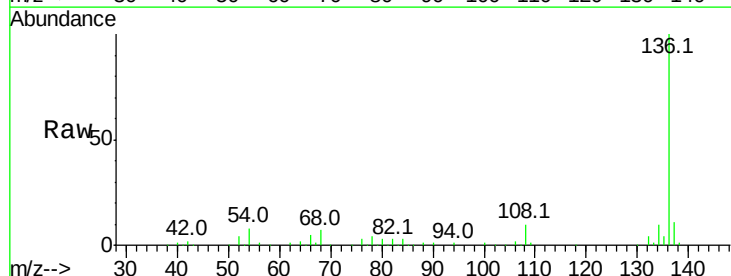
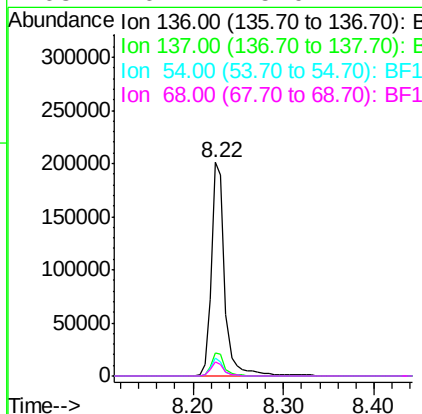
RT: 8.22 min Scan# 1001

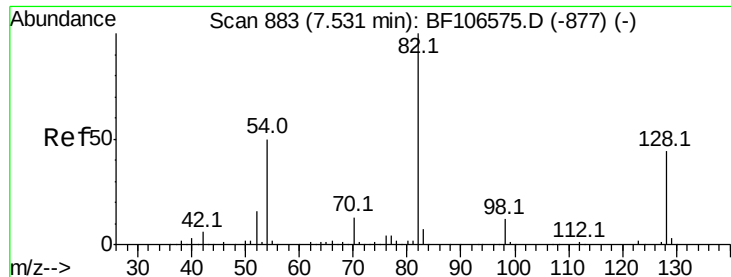
Delta R.T. -0.02 min

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





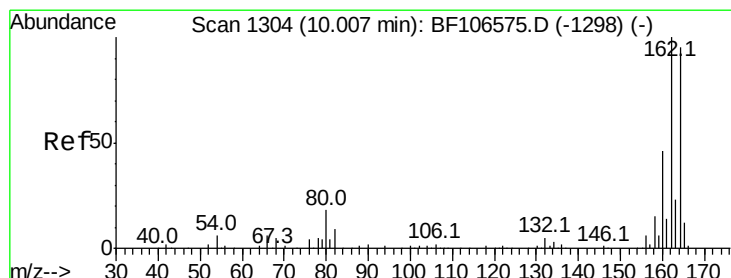
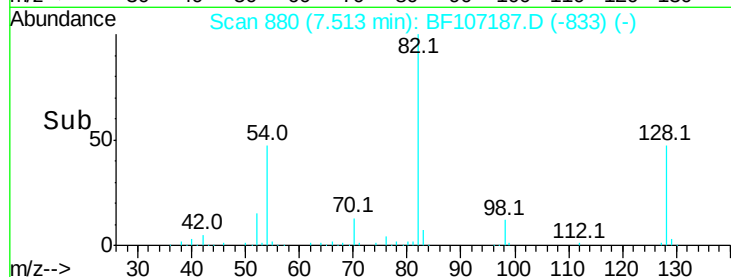
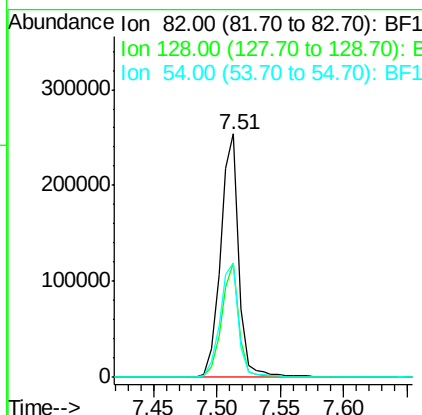
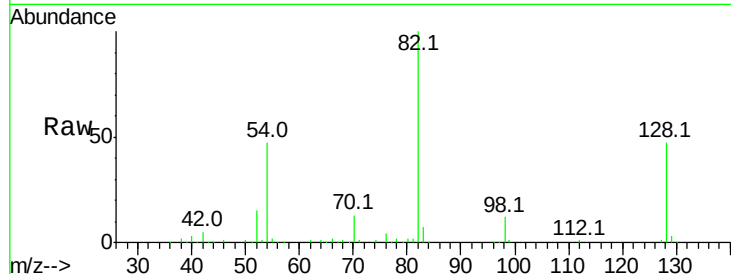
#23
Nitrobenzene-d5
Concen: 67.858 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

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

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

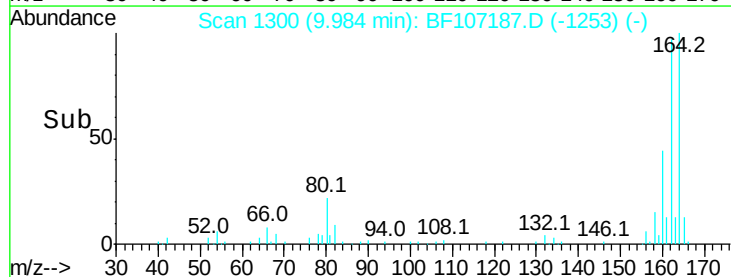
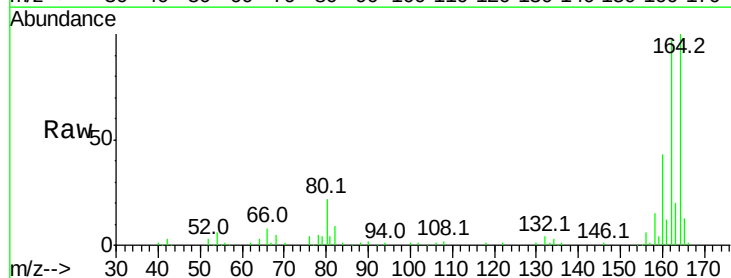
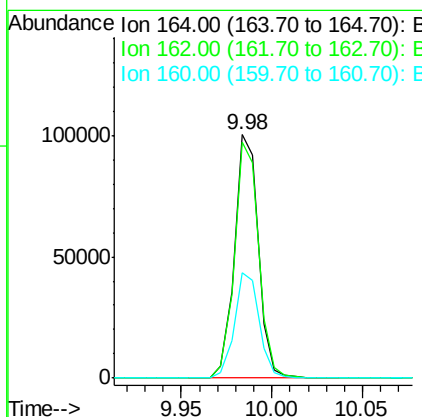
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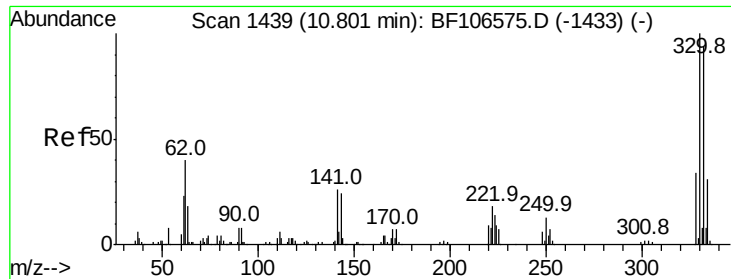
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

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





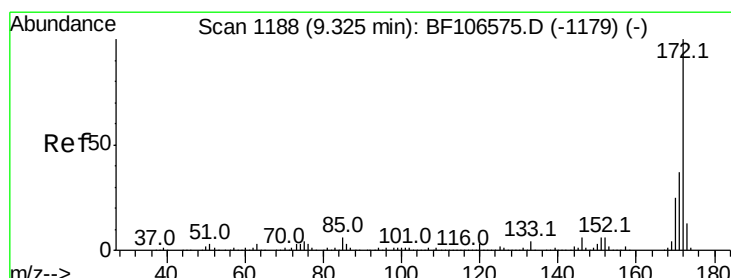
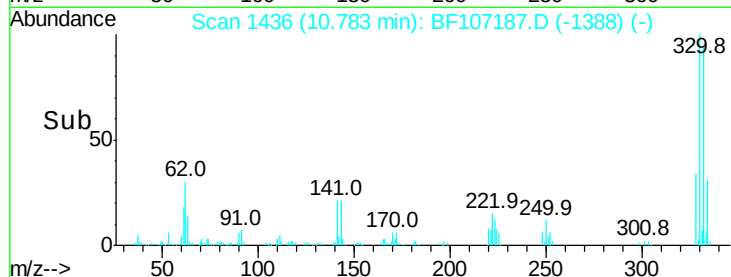
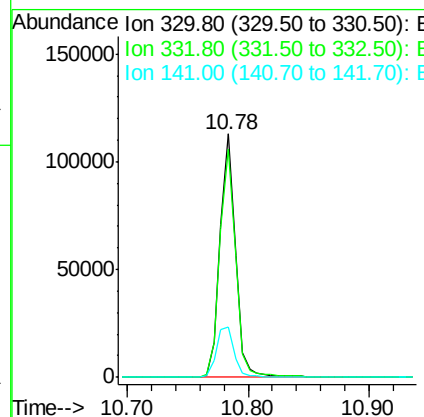
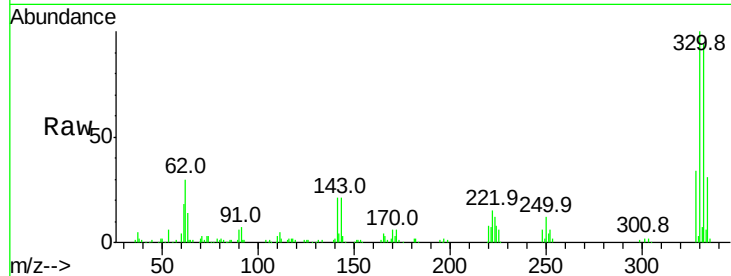
#41
 2,4,6-Tribromophenol
 Concen: 92.538 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

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

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

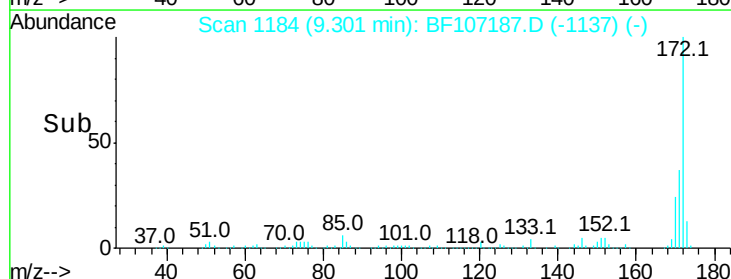
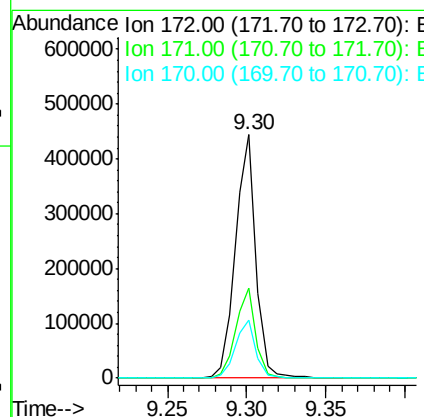
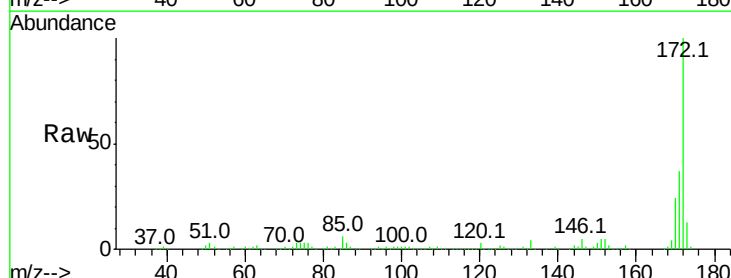
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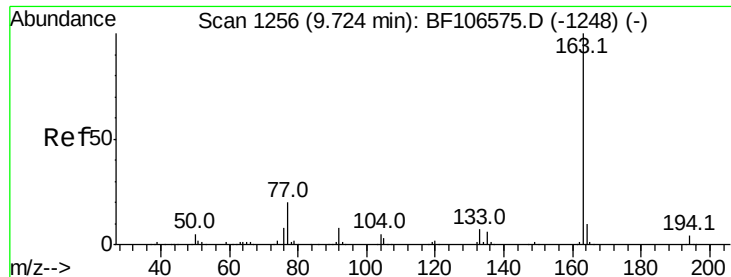
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#44
 2-Fluorobiphenyl
 Concen: 69.914 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107187.D
 Acq: 6 Jul 2018 21:39

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





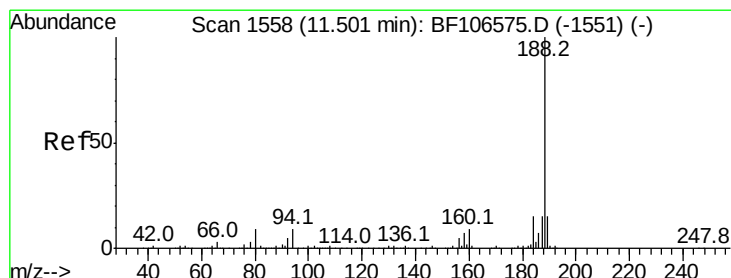
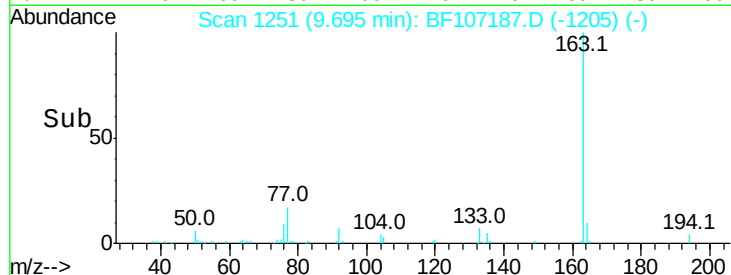
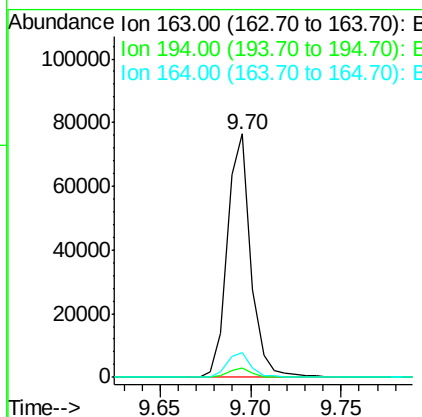
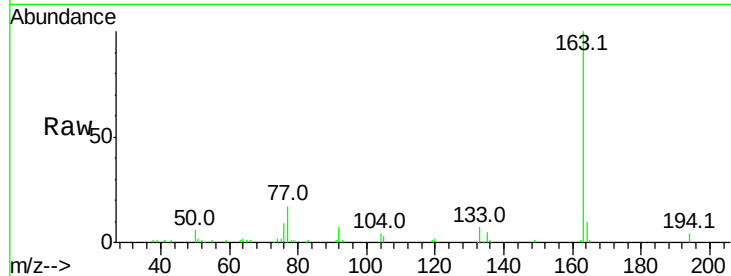
#49
Dimethylphthalate
Concen: 9.966 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

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

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

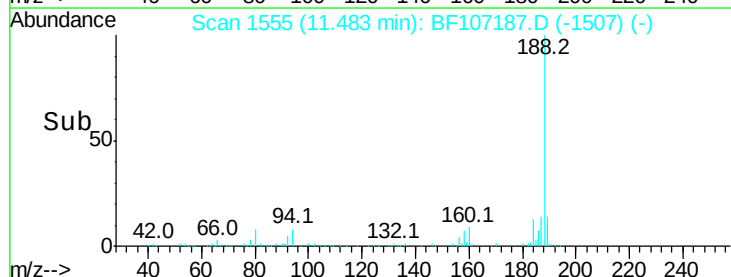
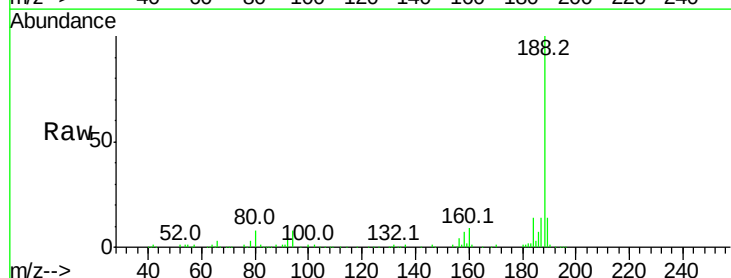
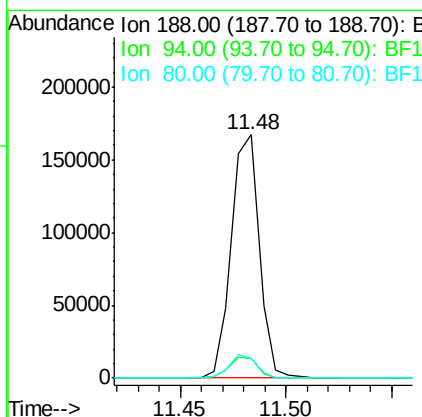
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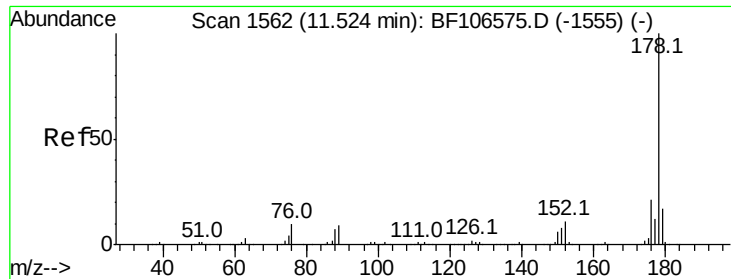
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	153080		
94	7.9		8.5	12.7#
80	8.2		9.2	13.8#





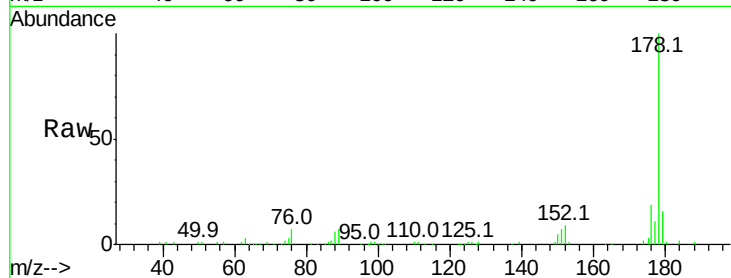
#70
Phenanthrene
Concen: 12.831 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

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

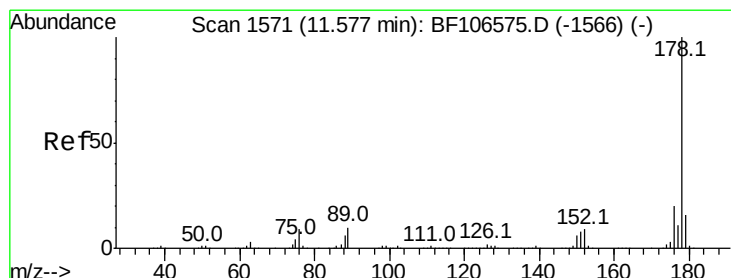
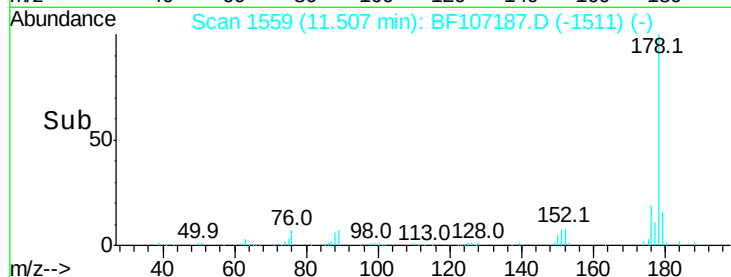
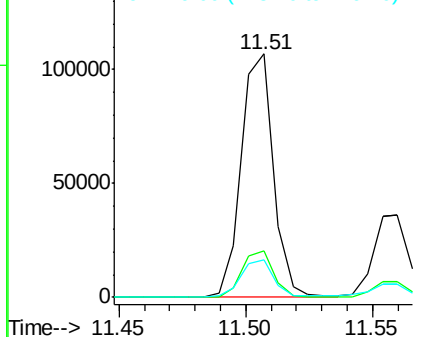
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.6	13.0	19.6

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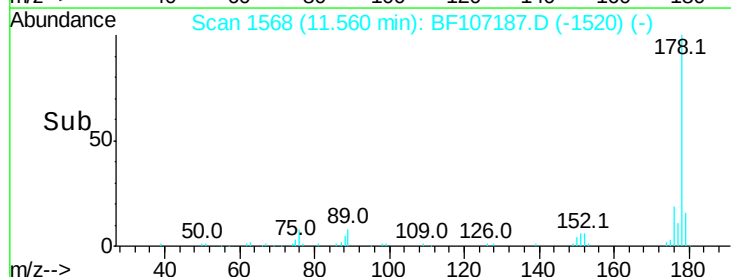
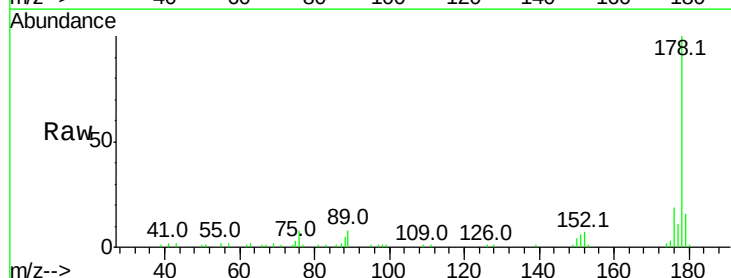
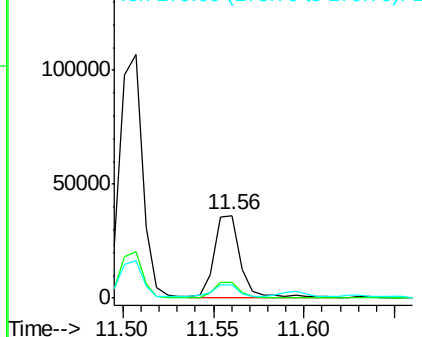
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

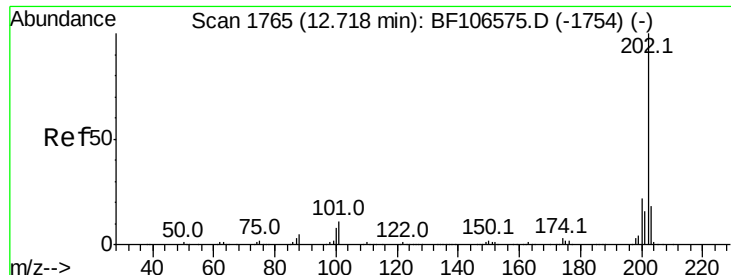


#71
Anthracene
Concen: 4.780 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

Tgt 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





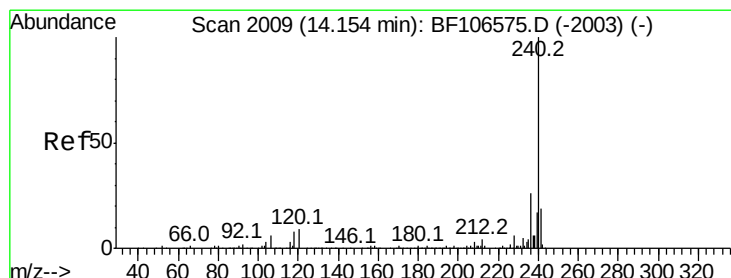
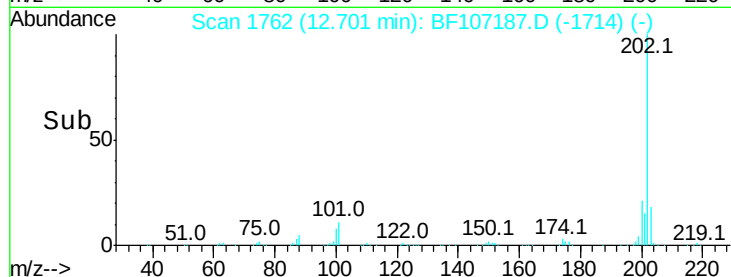
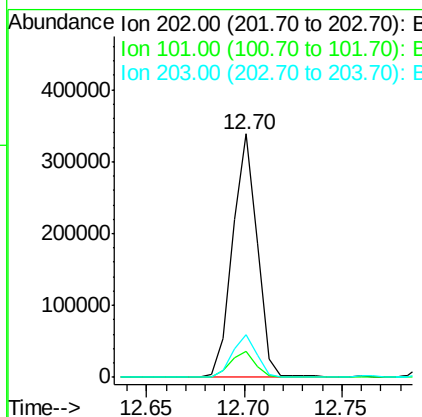
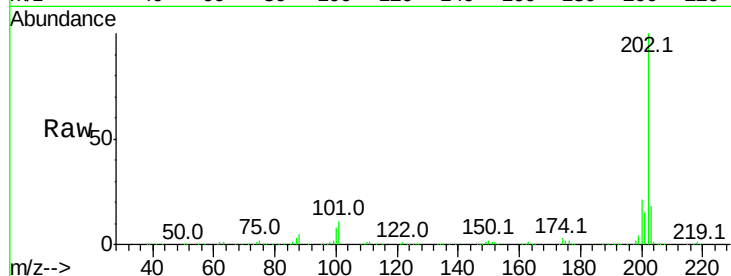
#74
Fluoranthene
Concen: 36.407 ng
RT: 12.70 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.6	0.0	34.1
203	17.6	0.0	38.1

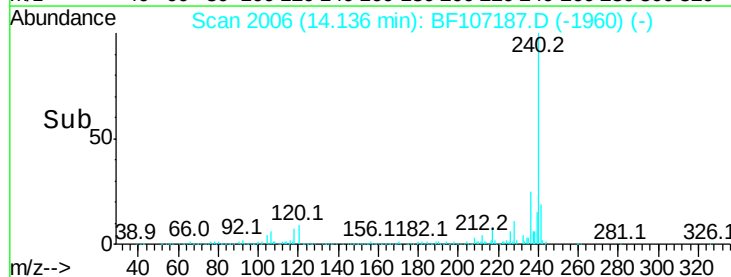
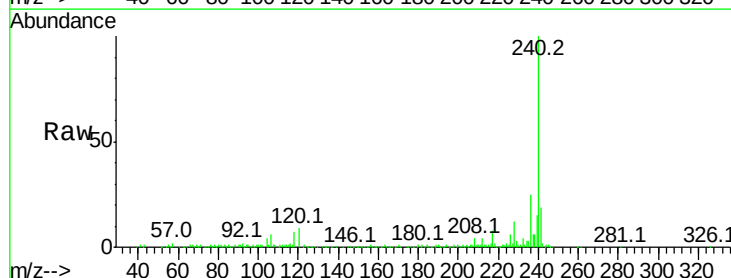
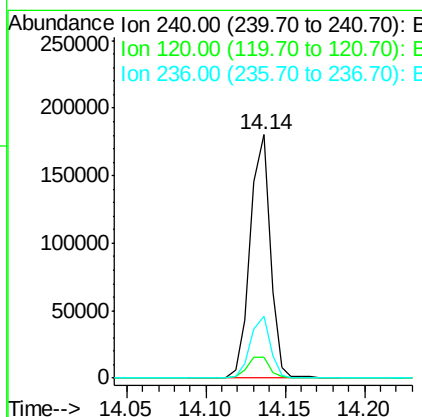
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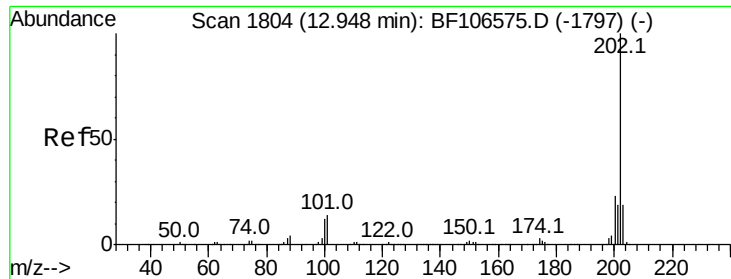
Sohil
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.03 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.6	9.5	14.3#
236	25.3	20.7	31.1





#77

Pvrene

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

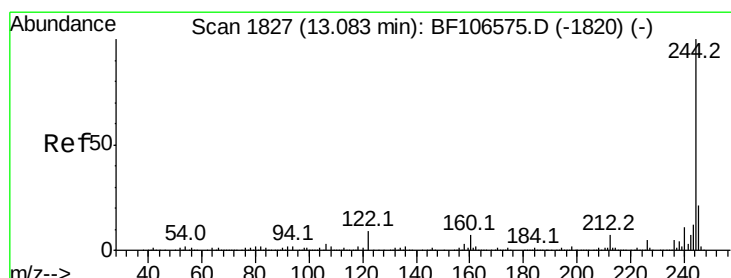
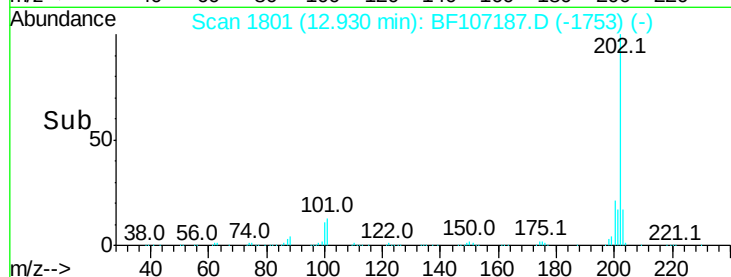
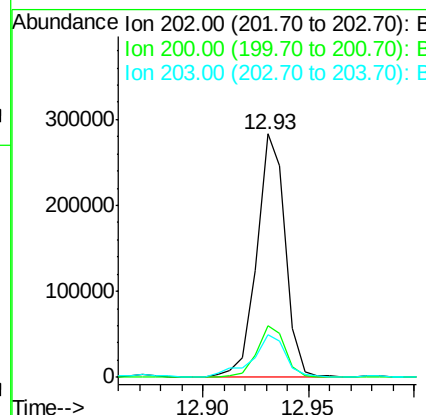
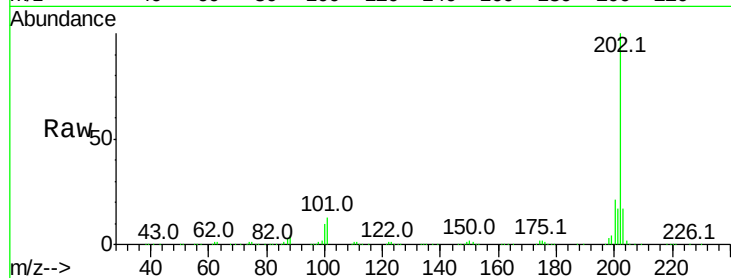
Instrument :
BNA_F

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.3	14.3	21.5

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#78

Terphenyl-d14

Concen: 54.716 ng

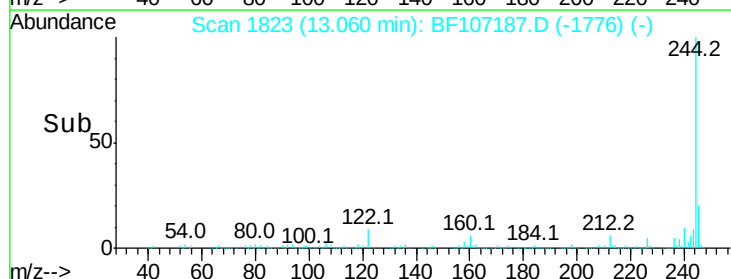
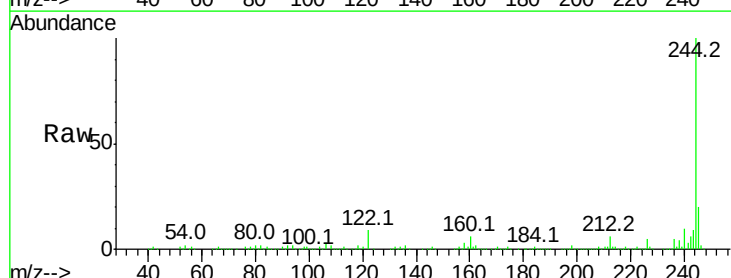
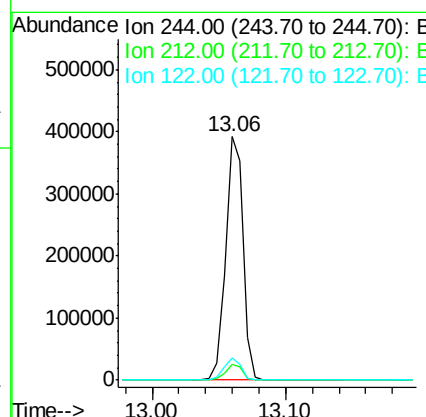
RT: 13.06 min Scan# 1823

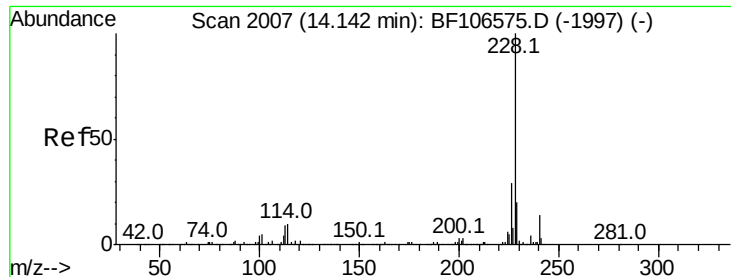
Delta R.T. -0.02 min

Lab File: BF107187.D

Acq: 6 Jul 2018 21:39

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





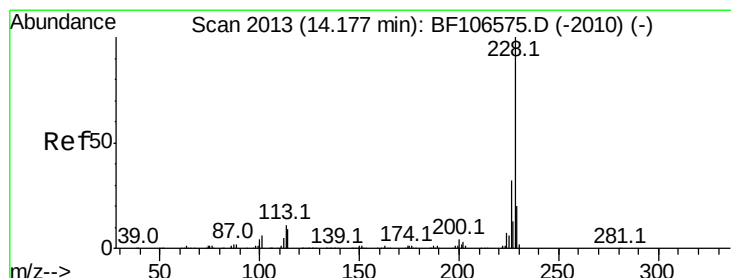
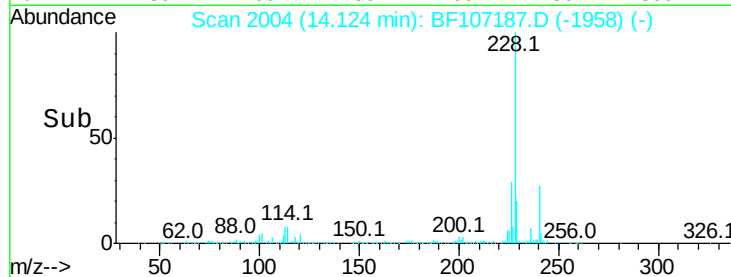
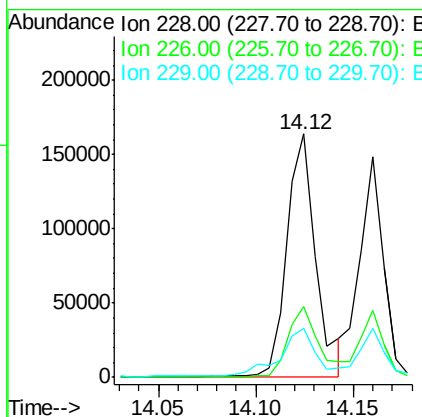
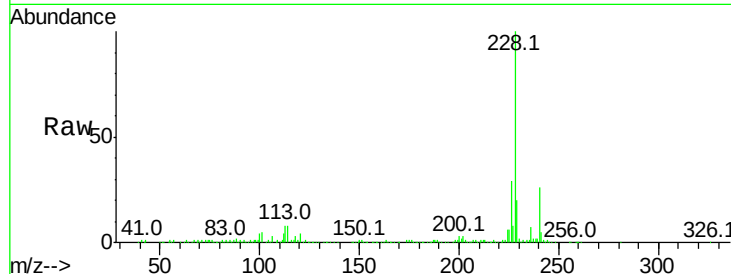
#80
Benzo(a)anthracene
Concen: 17.273 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.03 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.3	15.8	23.6

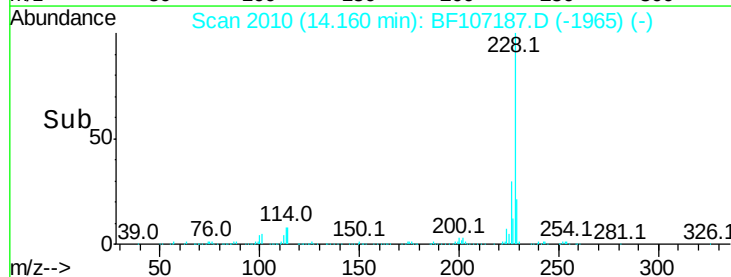
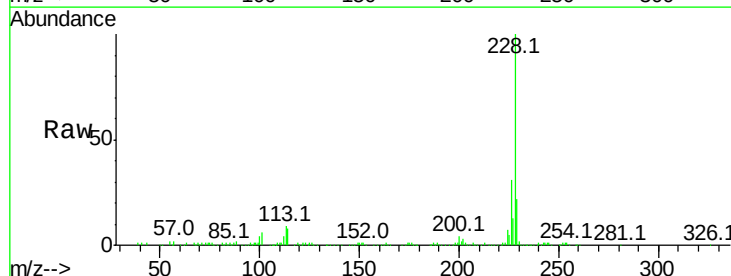
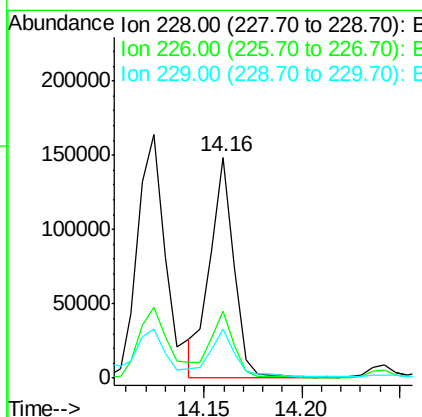
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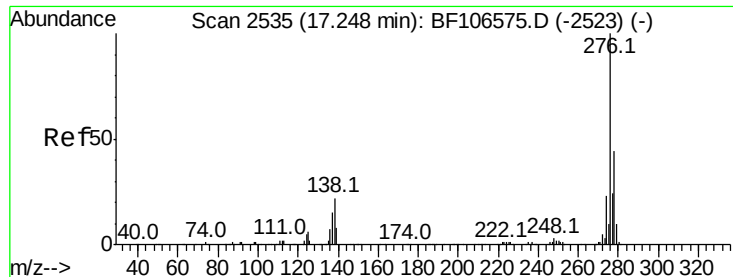
Sohil
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#82
Chrysene
Concen: 14.047 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.04 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.3	16.2	24.4





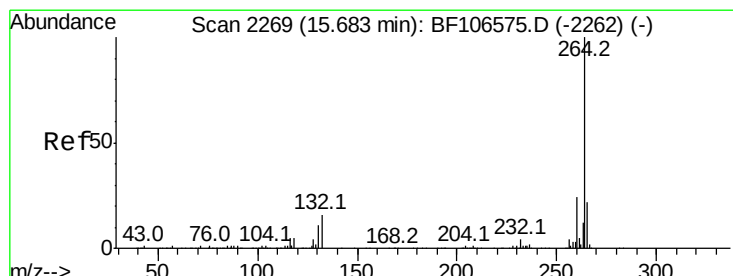
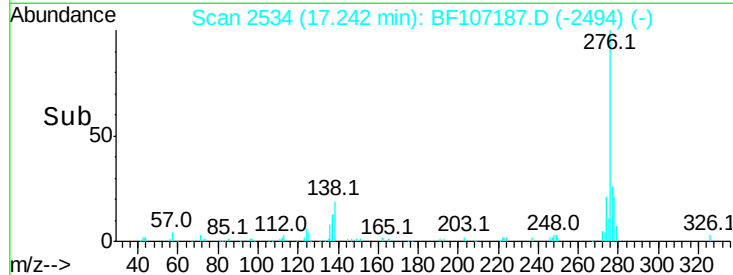
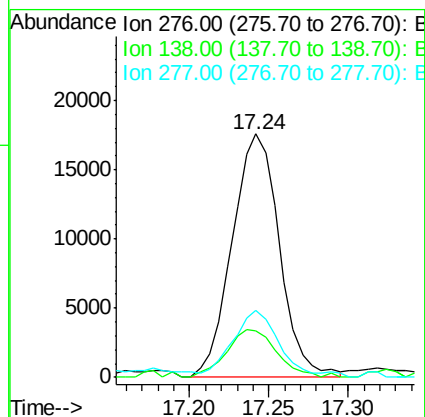
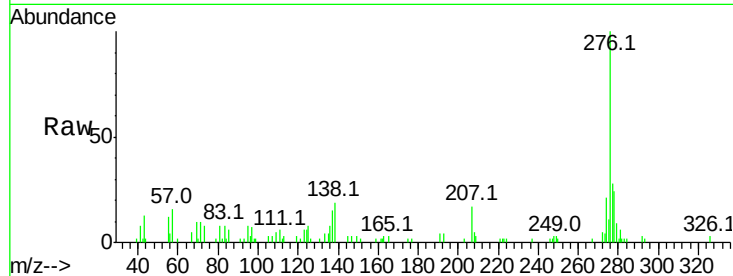
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.813 ng
RT: 17.24 min Scan# 2534
Delta R.T. -0.06 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	25.0	37.6#
277	27.3	20.1	30.1

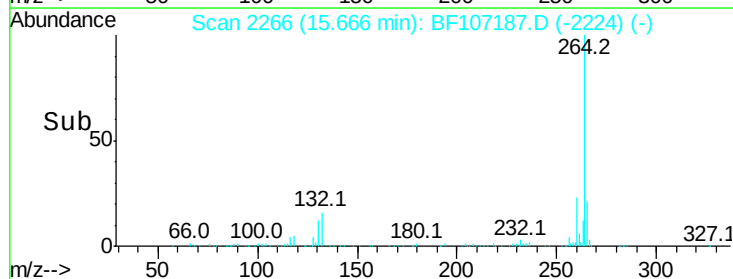
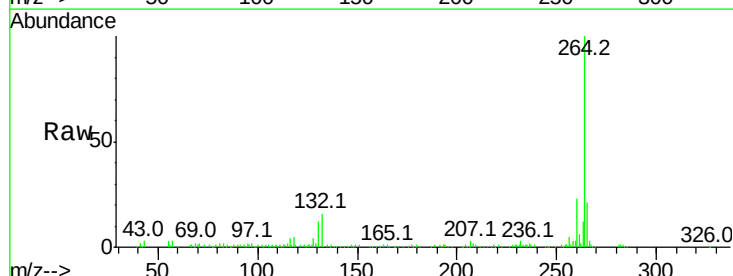
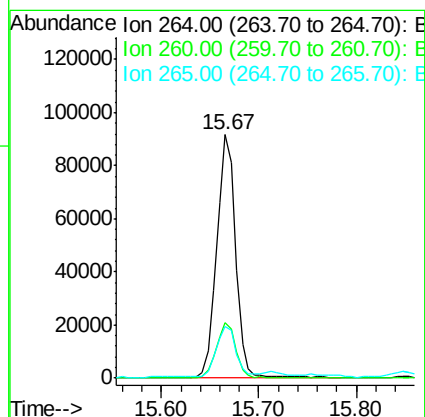
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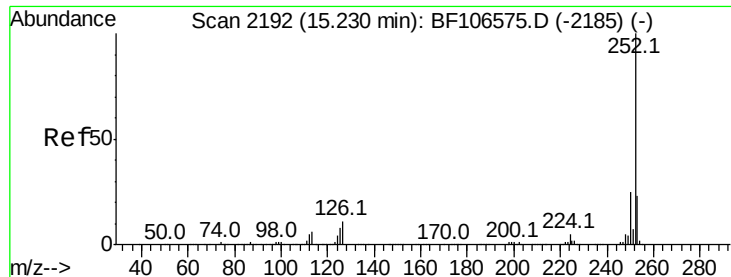
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2266
Delta R.T. -0.05 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	21.0	17.5	26.3





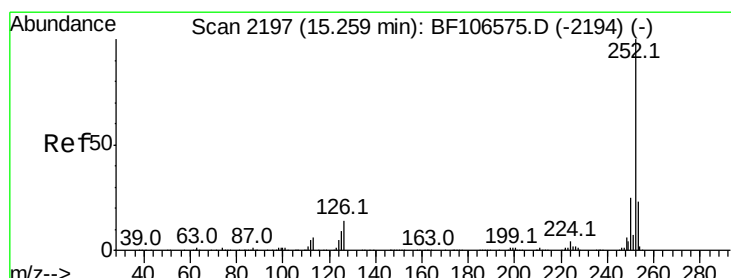
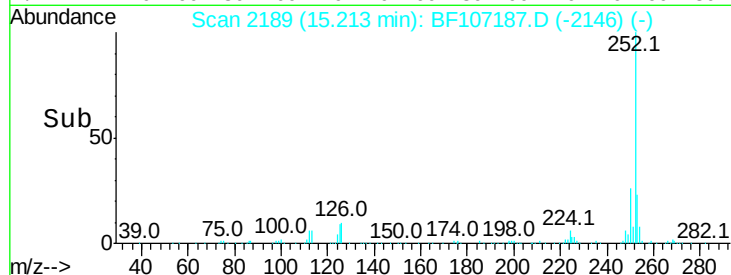
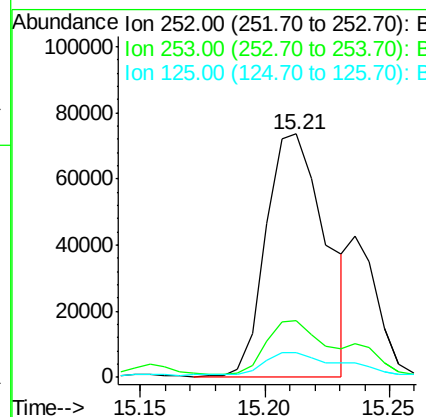
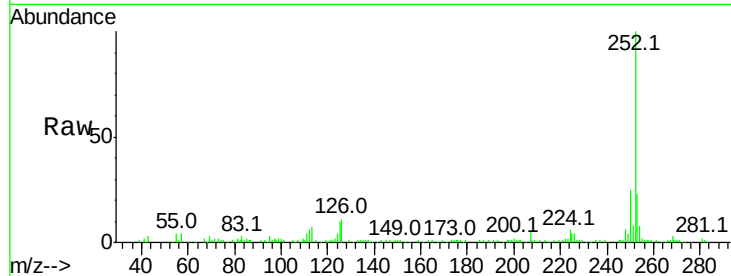
#87
Benzo(b)fluoranthene
Concen: 15.891 ng m
RT: 15.21 min Scan# 2189
Delta R.T. -0.05 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	10.3	9.0	13.6

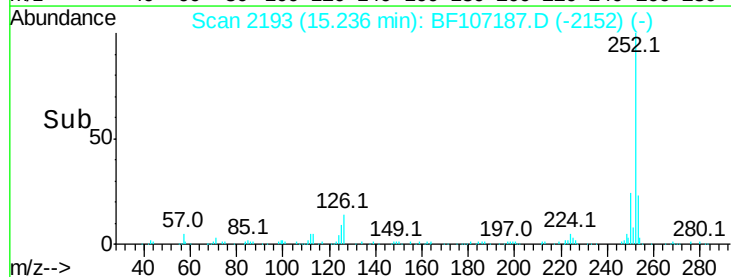
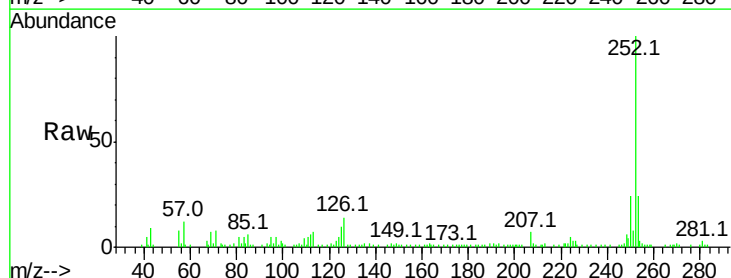
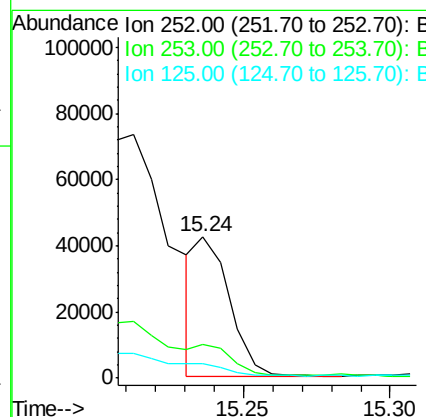
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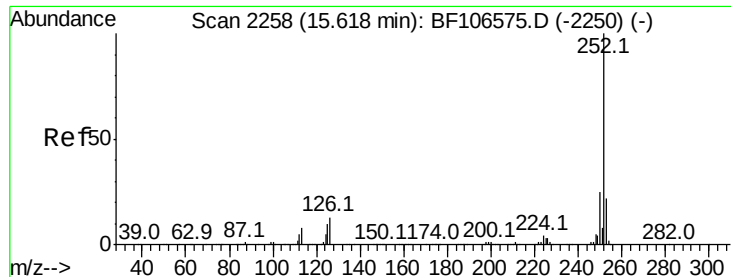
Sohil
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#88
Benzo(k)fluoranthene
Concen: 4.645 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.06 min
Lab File: BF107187.D
Acq: 6 Jul 2018 21:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	10.4	10.2	15.2





#89

Benzo(a)pyrene

Concen: 10.965 ng m

RT: 15.60 min Scan# 2258

Delta R.T. -0.05 min

Lab File: BF107187.D

Acq: 6 Jul 2018 21:39

Instrument :

BNA_F

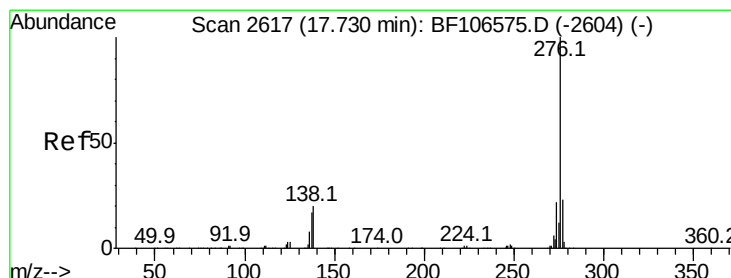
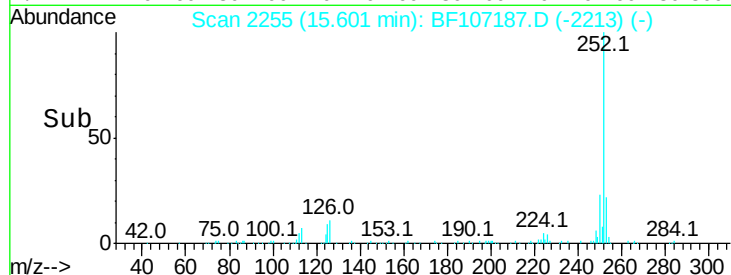
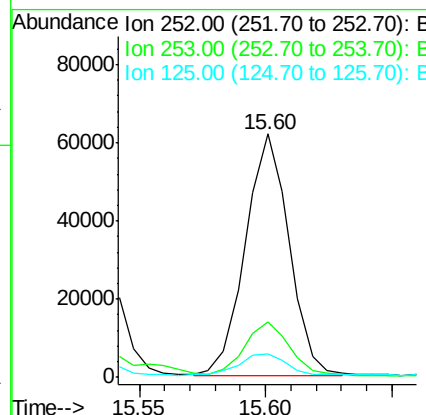
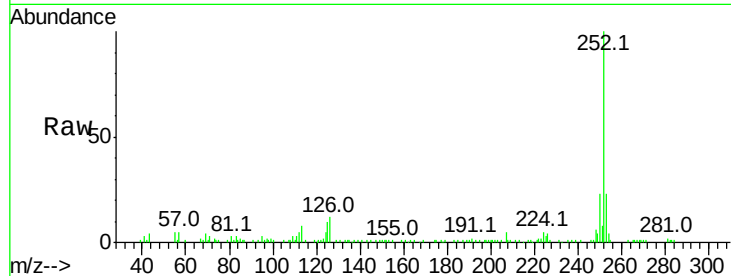
ClientSampleId :

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	9.8	9.8	14.6#

Manual Integrations
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#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

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

