

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP022020\
 Data File : BP001818.D
 Acq On : 21 Feb 2020 00:03
 Operator : CG/JU
 Sample : L1418-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C5AW4

Manual Integrations
 APPROVED

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 2/21/2020 2:18:26 PM

Quant Time: Feb 21 08:44:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 21 07:12:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	336156	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1388681	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	854834	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1866931	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	1669751	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	1806424	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	23149	2.86	ng/uL	0.00
5) Phenol-d5	6.84	99	475727	18.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	263595	17.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	425068	20.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	373184	18.52	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	197452	21.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	216021	25.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	432895	21.41	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	374817	15.67	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1272778	21.22	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	1574877	21.32	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	177918	17.03	ng/ul	0.00
58) Fluorene-d10	15.29	176	1157952	21.46	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	57307	7.79	ng/ul	0.00
71) Anthracene-d10	17.15	188	1773051	21.56	ng/ul	0.00
79) Pyrene-d10	19.39	212	1924656	22.46	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.22	264	1978559	22.68	ng/ul	0.01

Target Compounds

					Ovalue
14) Acetophenone	8.47	105	58761	1.888 ng/ul	97
28) Naphthalene	10.48	128	243346	3.279 ng/ul	99
34) 2-Methylnaphthalene	12.10	142	72655	1.420 ng/ul	98
45) Dimethylphthalate	13.76	163	246559	3.905 ng/ul	99
48) Acenaphthylene	14.01	152	1616497	20.172 ng/ul	100
50) Acenaphthene	14.36	153	212121	3.874 ng/ul	98
54) Dibenzofuran	14.69	168	155181	2.012 ng/ul	100
59) Fluorene	15.35	166	246027	4.010 ng/ul	99
69) Pentachlorophenol	16.70	266	44016	3.845 ng/ul	98
70) Phenanthrene	17.09	178	3364209	32.675 ng/ul	100
72) Anthracene	17.18	178	1287928	12.664 ng/ul	100
75) Carbazole	17.45	167	303861	3.583 ng/ul	100
77) Fluoranthene	19.07	202	8804413	79.857 ng/ul	99
80) Pyrene	19.42	202	9568023	84.243 ng/ul	98
83) Benzo(a)anthracene	21.13	228	5194313m	47.239 ng/ul	
85) Chrysene	21.17	228	4810934	44.786 ng/ul	96
88) Benzo(b)fluoranthene	22.70	252	7095912	66.758 ng/ul	97
89) Benzo(k)fluoranthene	22.74	252	2250878m	20.429 ng/ul	
91) Benzo(a)pyrene	23.27	252	5635517	56.573 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.60	276	4515726	36.290 ng/ul	96
93) Dibenzo(a,h)anthracene	25.61	278	949364	9.084 ng/ul#	82
94) Benzo(a,h,i)perylene	26.29	276	4582029	43.316 ng/ul	98

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Operator : CG/JU
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C5AW4

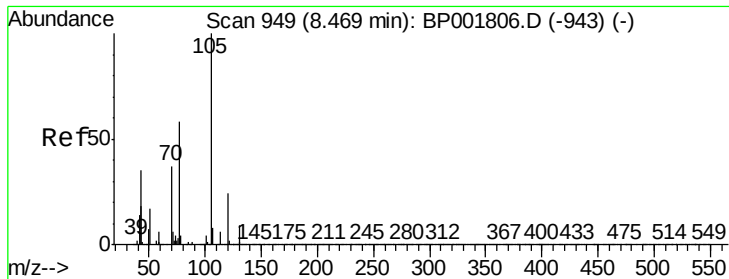
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Quant Time: Feb 21 08:44:30 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 21 07:12:24 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#14

Acetophenone

Concen: 1.888 ng/ul

RT: 8.47 min Scan# 949

Delta R.T. 0.00 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

Instrument :

BNA_P

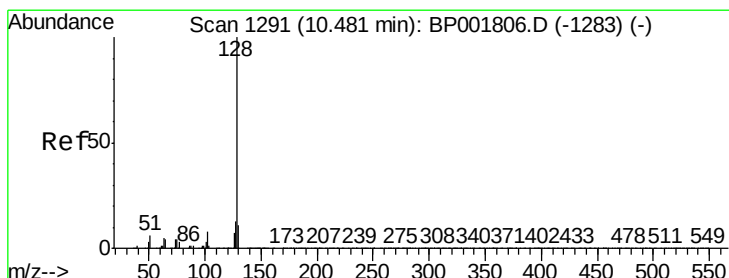
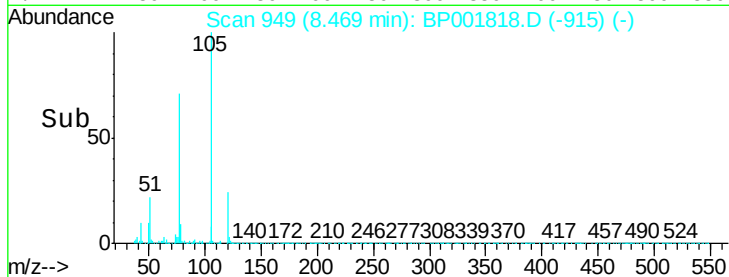
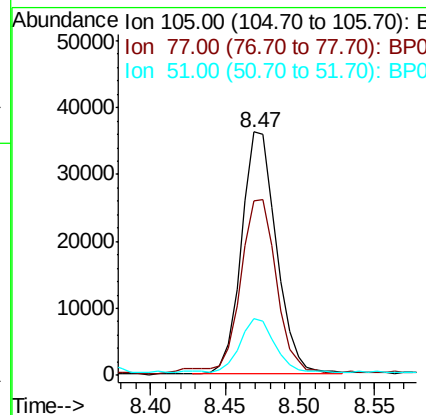
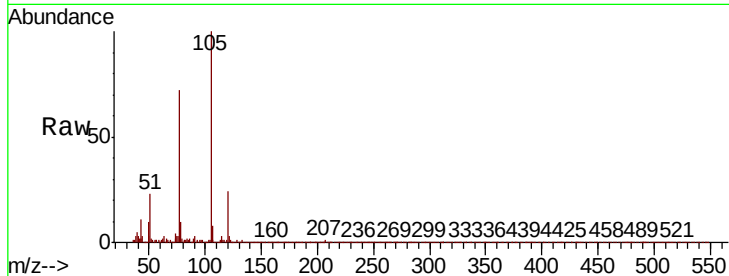
ClientSampleId :

C5AW4

Tot Ion:	105	Resp:	58761
Ion Ratio	Lower	Upper	
105	100		
77	71.6	59.8	89.6
51	23.2	17.9	26.9

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#28

Naphthalene

Concen: 3.279 ng/ul

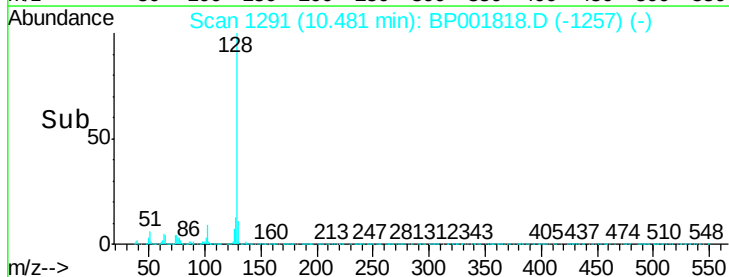
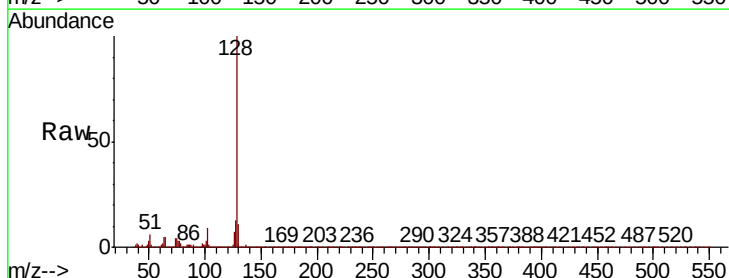
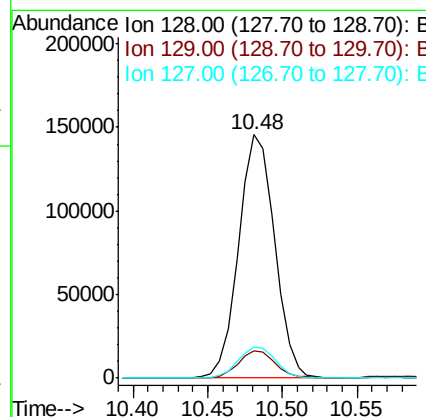
RT: 10.48 min Scan# 1291

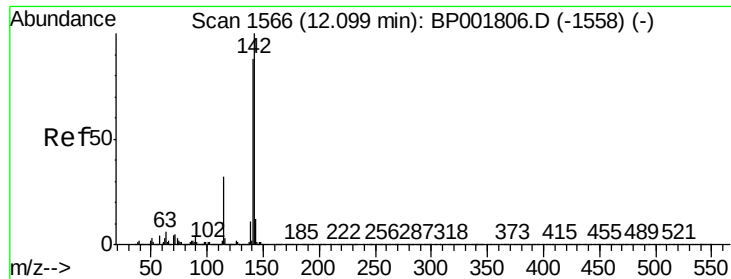
Delta R.T. 0.00 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

Tgt Ion:	128	Resp:	243346
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.7	13.1
127	13.0	10.2	15.4





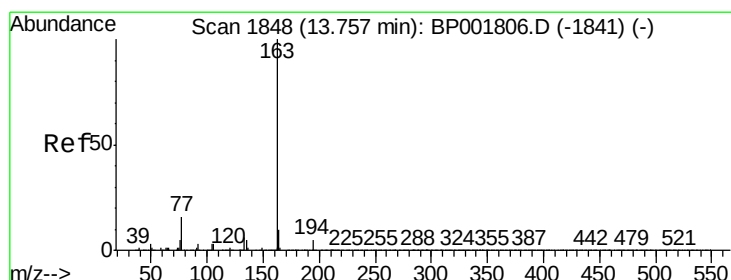
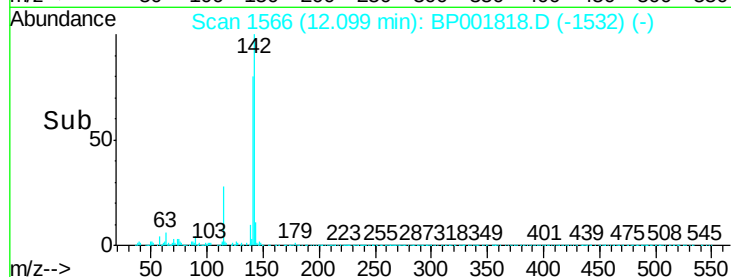
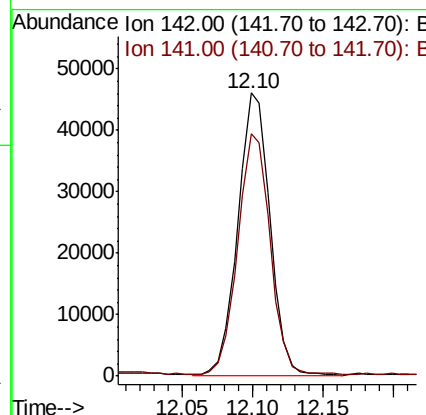
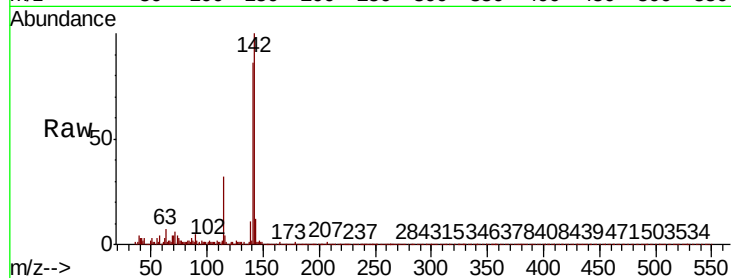
#34
 2-Methylnaphthalene
 Concen: 1.420 ng/ul
 RT: 12.10 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: BP001818.D
 Acq: 21 Feb 2020 00:03

Instrument :
 BNA_P
 ClientSampleId :
 C5AW4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
142	100		72655		
141	85.5		70.2	105.4	

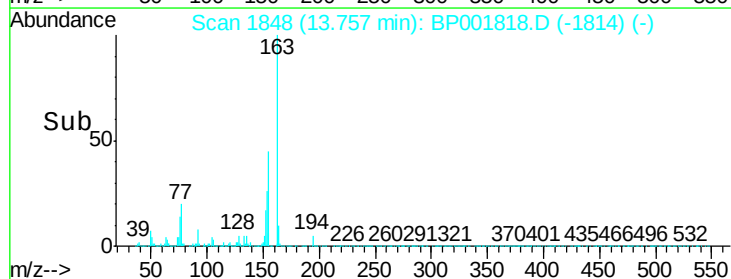
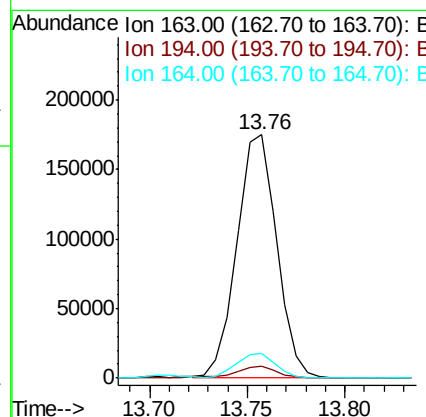
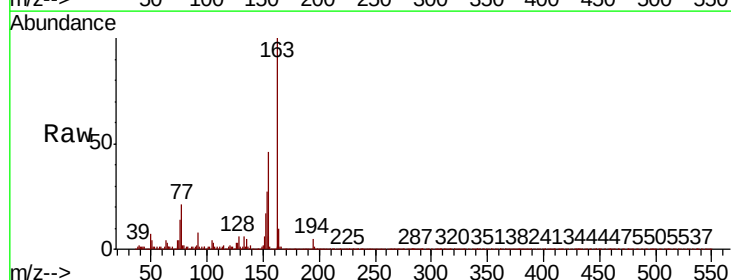
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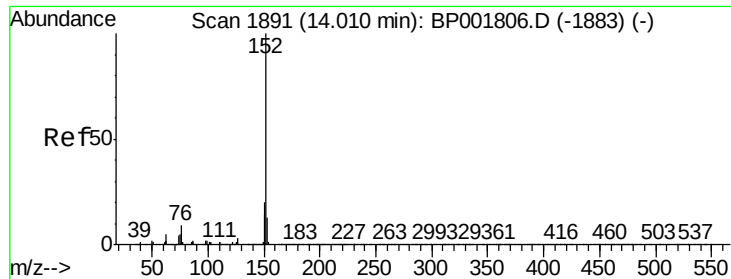
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#45
 Dimethylphthalate
 Concen: 3.905 ng/ul
 RT: 13.76 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BP001818.D
 Acq: 21 Feb 2020 00:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		246559		
194	5.1		3.5	5.3	
164	10.2		8.0	12.0	





#48

Acenaphthylene

Concen: 20.172 ng/ul

RT: 14.01 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

Instrument :

BNA_P

ClientSampleId :

C5AW4

Tot Ion:152 Resp: 1616497

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.5	10.7	16.1

152 100

151 19.8 15.7 23.5

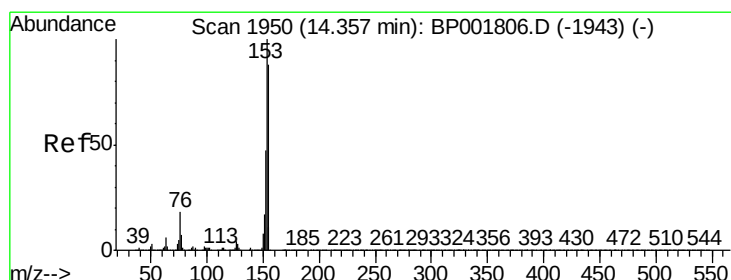
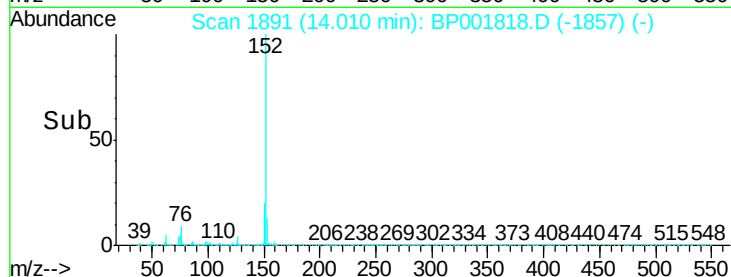
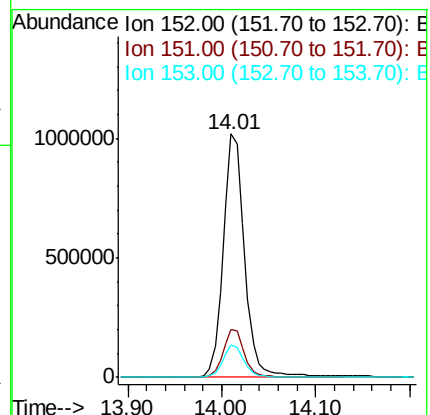
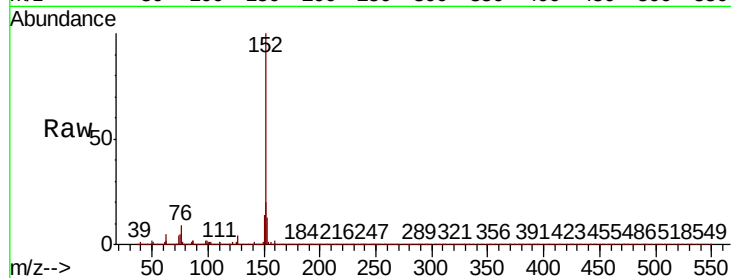
153 13.5 10.7 16.1

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#50

Acenaphthene

Concen: 3.874 ng/ul

RT: 14.36 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

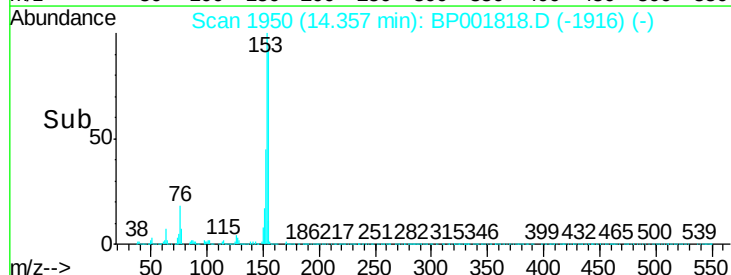
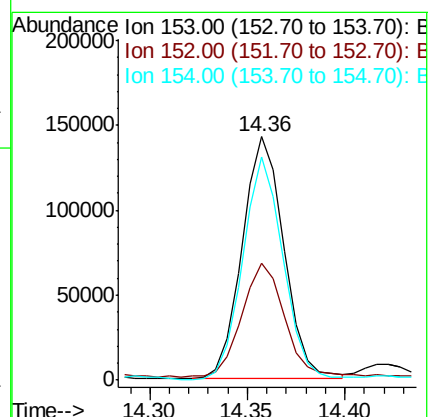
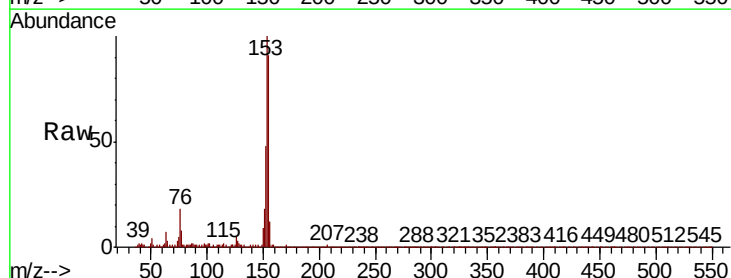
Tgt Ion:153 Resp: 212121

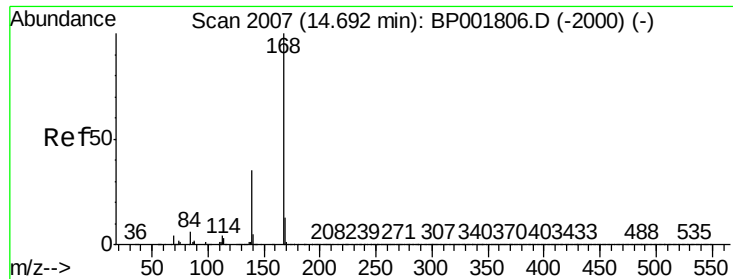
Ion	Ratio	Lower	Upper
153	100		
152	48.2	37.8	56.8
154	91.4	71.9	107.9

153 100

152 48.2 37.8 56.8

154 91.4 71.9 107.9





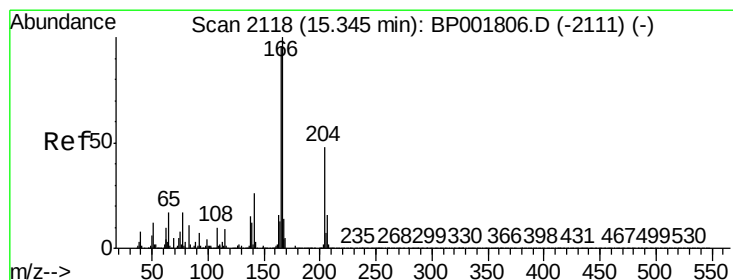
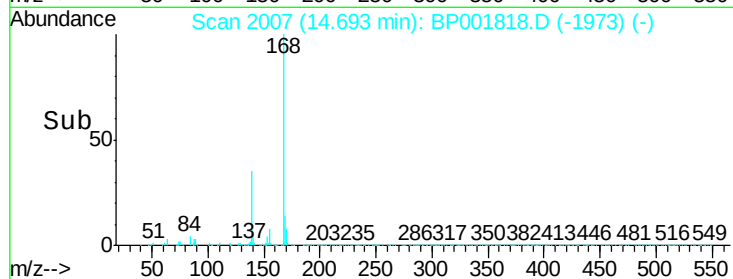
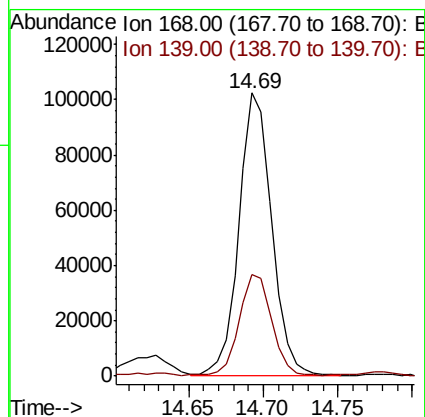
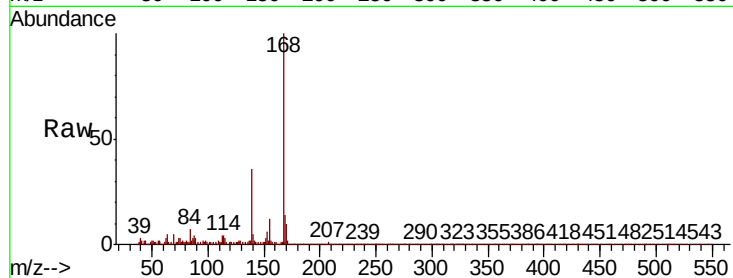
#54
Dibenzenofuran
Concen: 2.012 ng/ul
RT: 14.69 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BP001818.D
Acq: 21 Feb 2020 00:03

Instrument :
BNA_P
ClientSampleId :
C5AW4

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.1	28.6	43.0

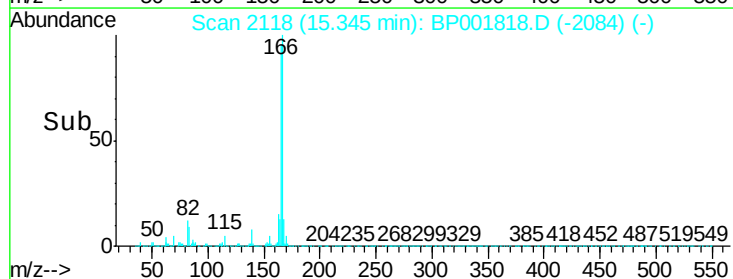
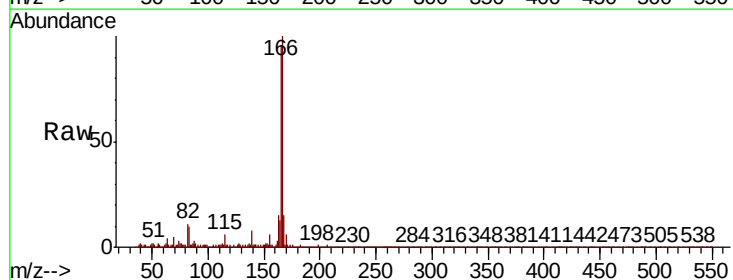
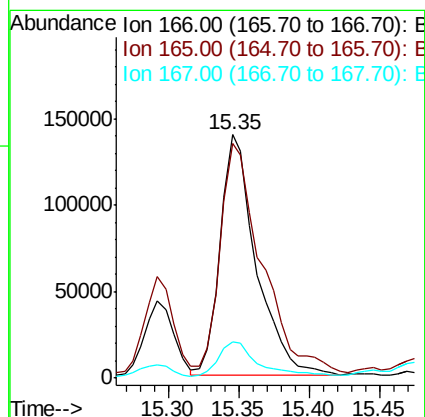
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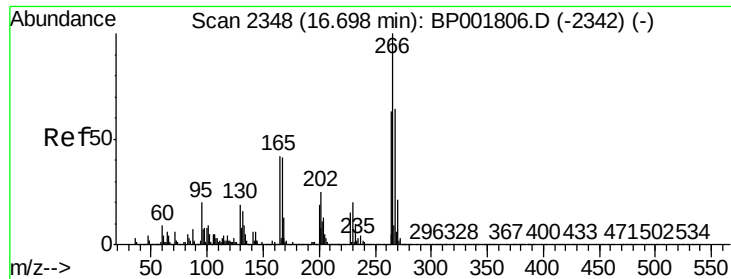
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#59
Fluorene
Concen: 4.010 ng/ul
RT: 15.35 min Scan# 2118
Delta R.T. 0.00 min
Lab File: BP001818.D
Acq: 21 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.3	115.9
167	14.9	11.0	16.6





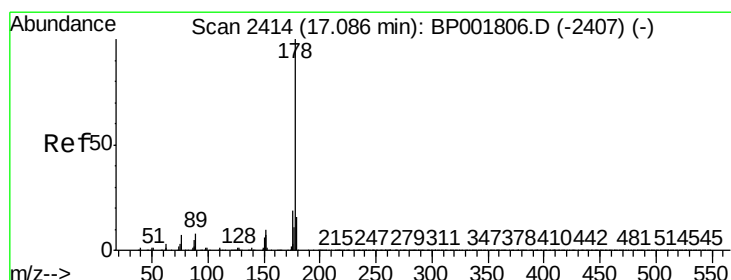
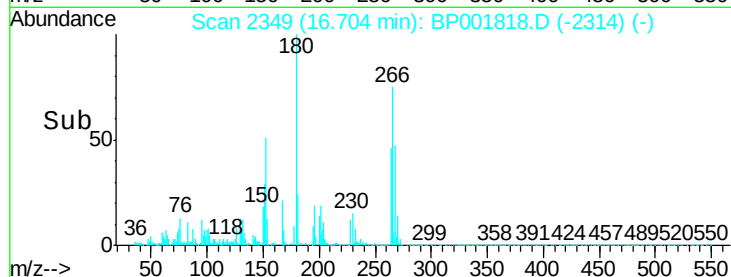
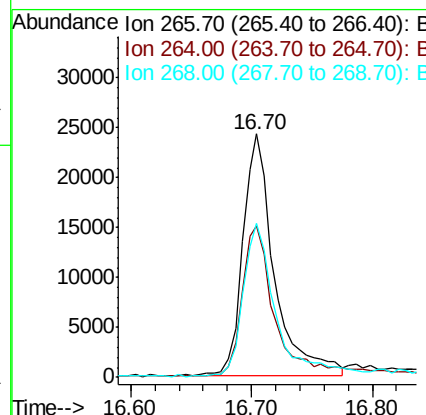
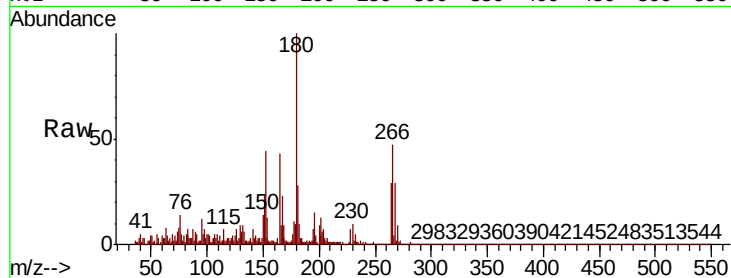
#69
 Pentachlorophenol
 Concen: 3.845 ng/ul
 RT: 16.70 min Scan# 2349
 Delta R.T. 0.01 min
 Lab File: BP001818.D
 Acq: 21 Feb 2020 00:03

Instrument :
 BNA_P
 ClientSampleId :
 C5AW4

Tot Ion	Ratio	Lower	Upper
266	100		
264	62.0	51.1	76.7
268	63.0	51.5	77.3

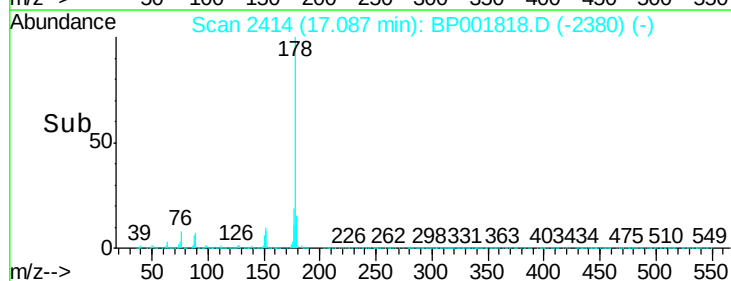
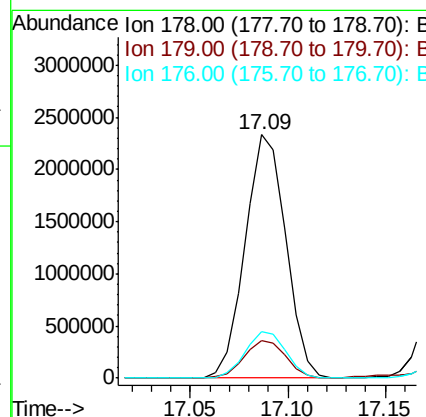
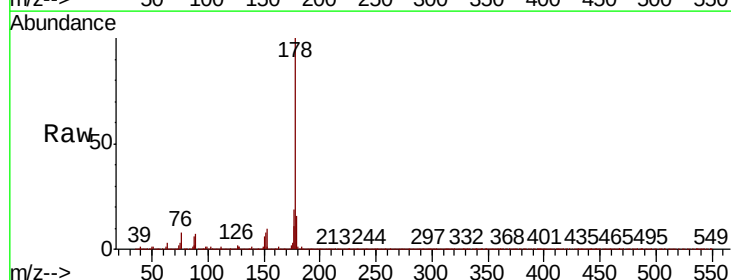
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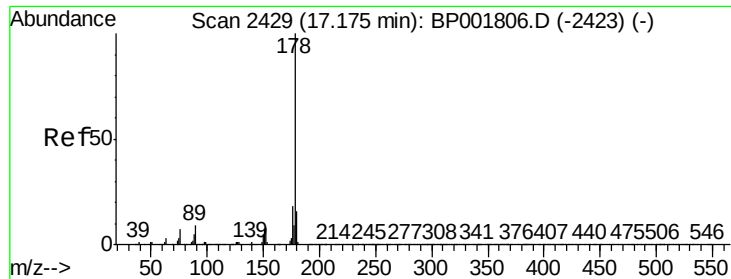
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#70
 Phenanthrene
 Concen: 32.675 ng/ul
 RT: 17.09 min Scan# 2414
 Delta R.T. 0.00 min
 Lab File: BP001818.D
 Acq: 21 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	19.3	15.3	22.9





#72

Anthracene

Concen: 12.664 ng/ul

RT: 17.18 min Scan# 2430

Delta R.T. 0.01 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

Instrument :

BNA_P

ClientSampled :

C5AW4

Tot Ion:178 Resp: 1287928

Ion Ratio Lower Upper

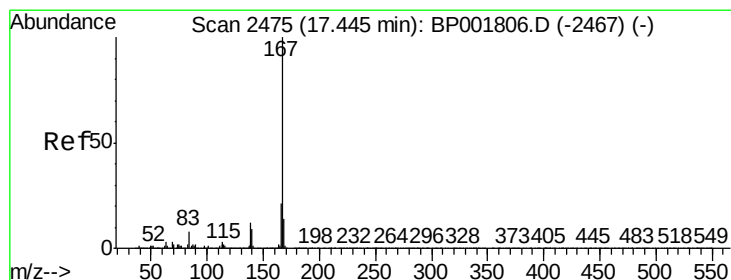
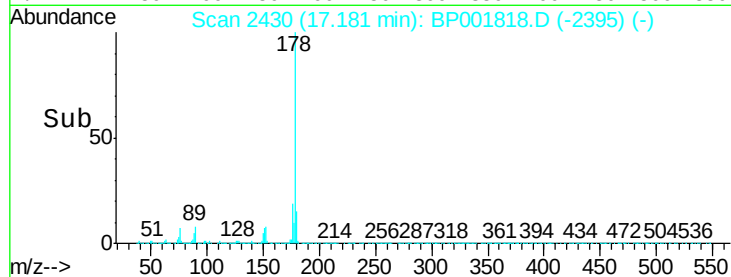
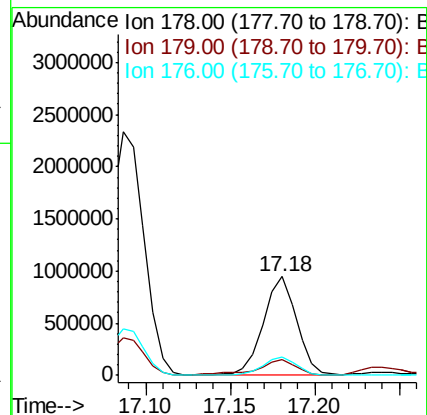
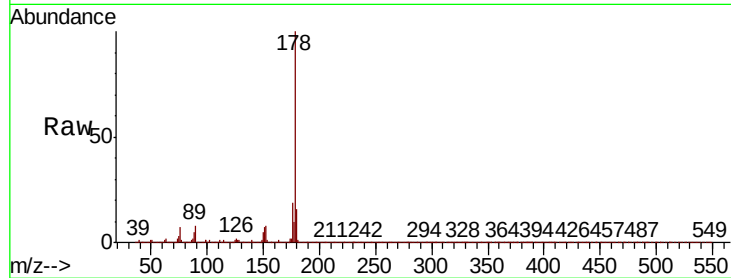
178 100

179 15.7 12.4 18.6

176 18.6 14.8 22.2

Manual Integrations
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#75

Carbazole

Concen: 3.583 ng/ul

RT: 17.45 min Scan# 2475

Delta R.T. 0.00 min

Lab File: BP001818.D

Acq: 21 Feb 2020 00:03

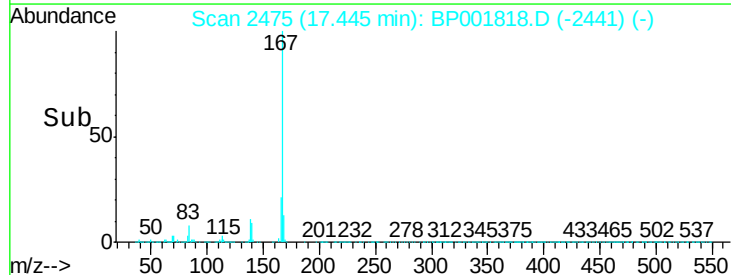
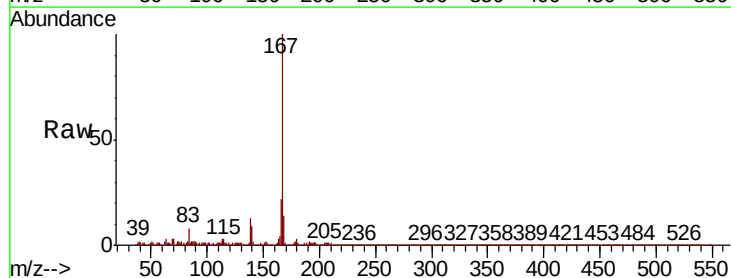
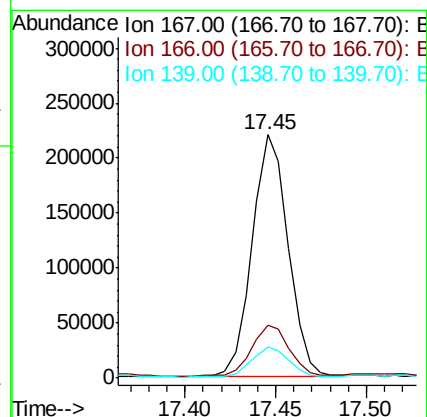
Tgt Ion:167 Resp: 303861

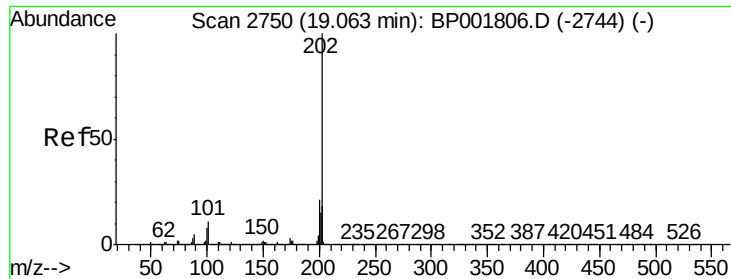
Ion Ratio Lower Upper

167 100

166 21.6 17.1 25.7

139 12.6 10.2 15.2





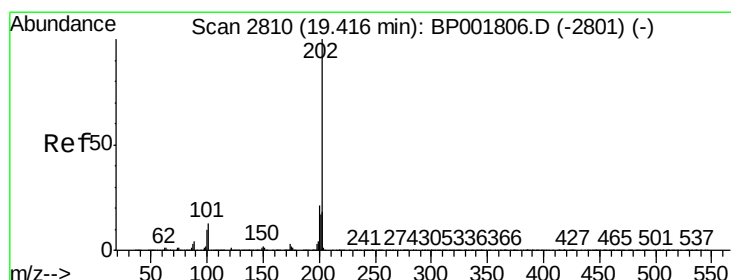
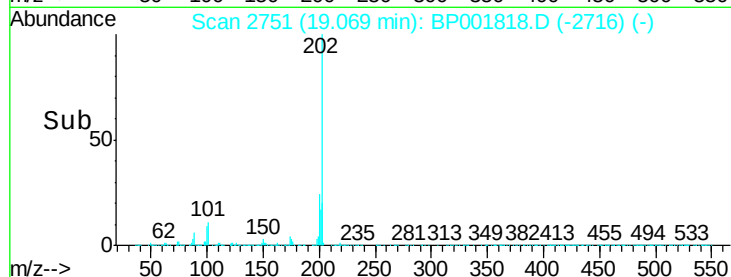
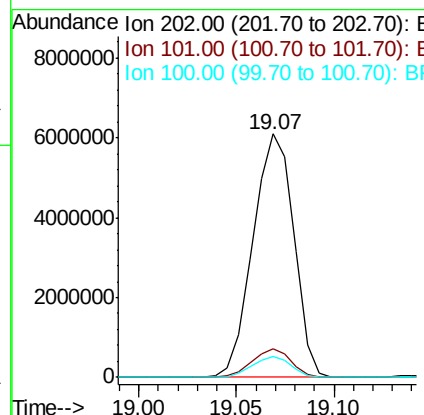
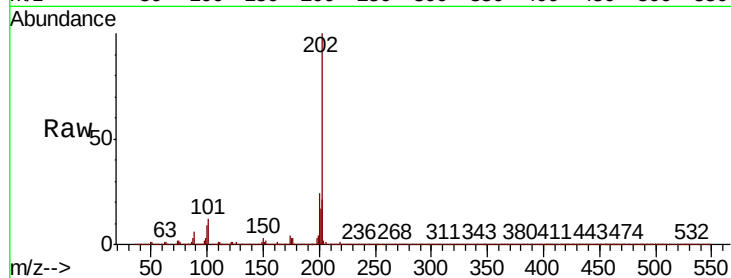
#77
 Fluoranthene
 Concen: 79.857 ng/ul
 RT: 19.07 min Scan# 2751
 Delta R.T. 0.01 min
 Lab File: BP001818.D
 Acq: 21 Feb 2020 00:03

Instrument :
 BNA_P
 ClientSampleId :
 C5AW4

Tot Ion	Ion	Ratio	Lower	Upper
202	100			
101	11.6	9.1	13.7	
100	8.8	6.6	9.8	

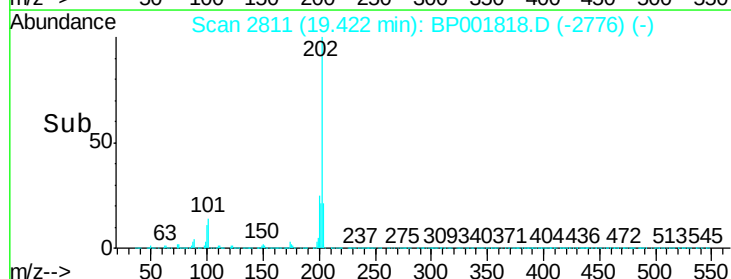
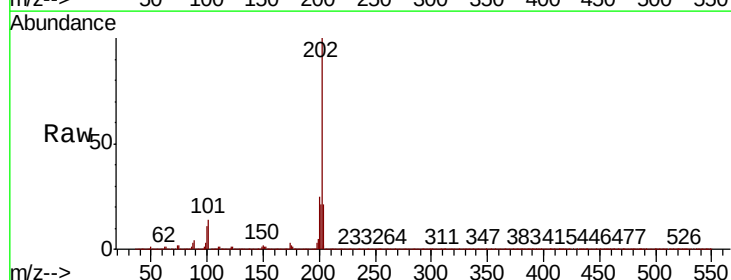
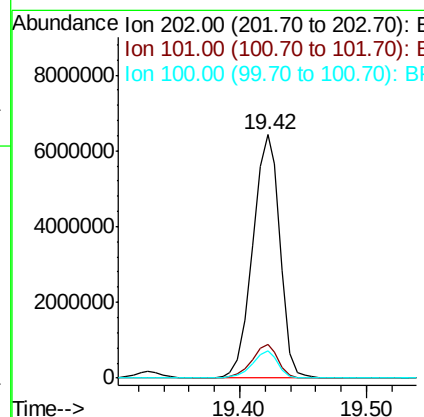
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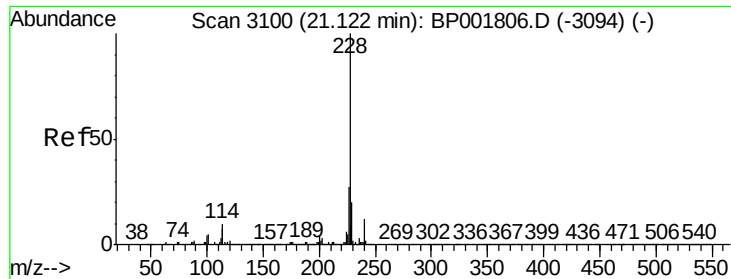
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#80
 Pyrene
 Concen: 84.243 ng/ul
 RT: 19.42 min Scan# 2811
 Delta R.T. 0.01 min
 Lab File: BP001818.D
 Acq: 21 Feb 2020 00:03

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	13.6	10.2	15.2	
100	11.0	8.2	12.2	





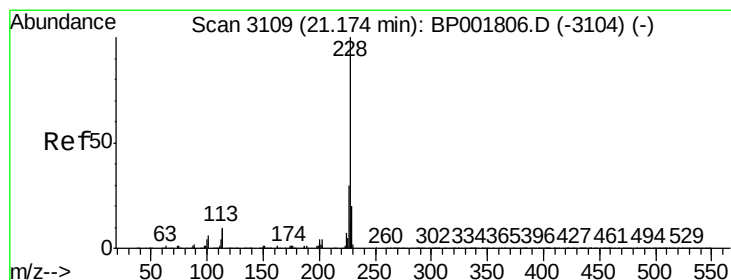
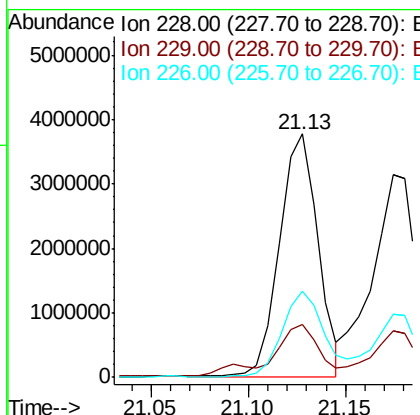
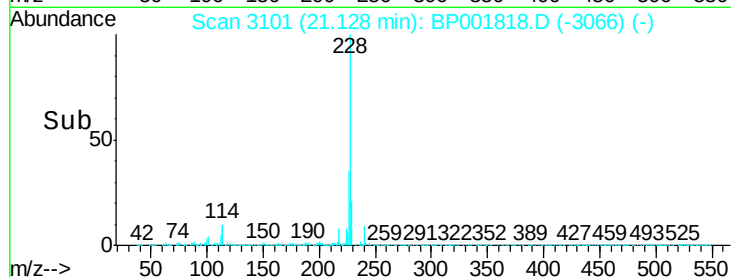
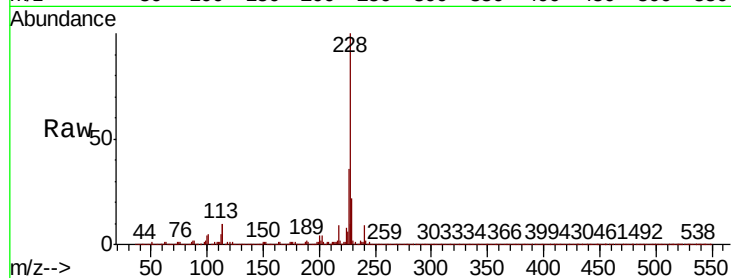
#83
Benzo(a)anthracene
Concen: 47.239 ng/ul m
RT: 21.13 min Scan# 3101
Delta R.T. 0.01 min
Lab File: BP001818.D
Acq: 21 Feb 2020 00:03

Instrument :
BNA_P
ClientSampleId :
C5AW4

Tot Ion:228 Resp: 5194313
Ion Ratio Lower Upper
228 100
229 21.6 16.2 24.4
226 35.6 22.0 33.0#

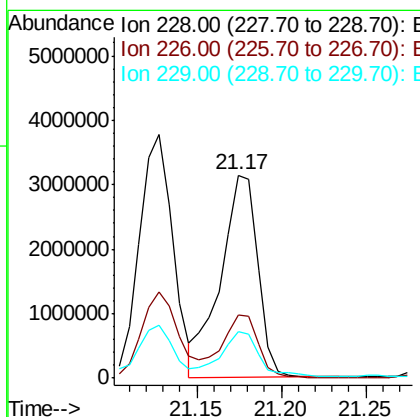
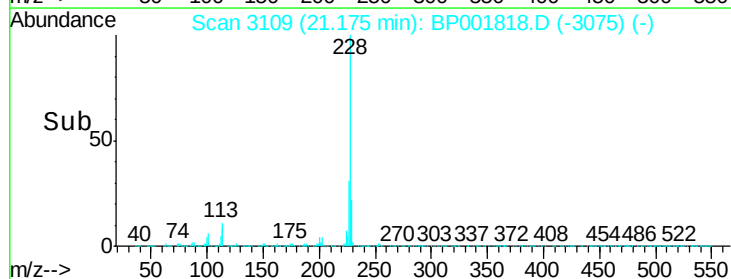
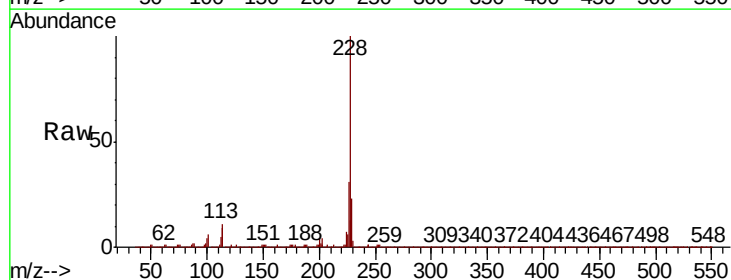
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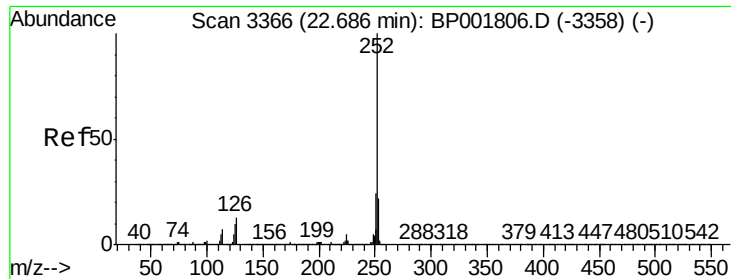
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#85
Chrysene
Concen: 44.786 ng/ul
RT: 21.17 min Scan# 3109
Delta R.T. 0.00 min
Lab File: BP001818.D
Acq: 21 Feb 2020 00:03

Tgt Ion:228 Resp: 4810934
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.2
229 22.8 15.7 23.5





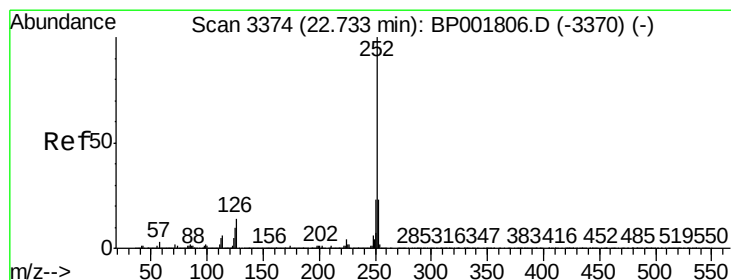
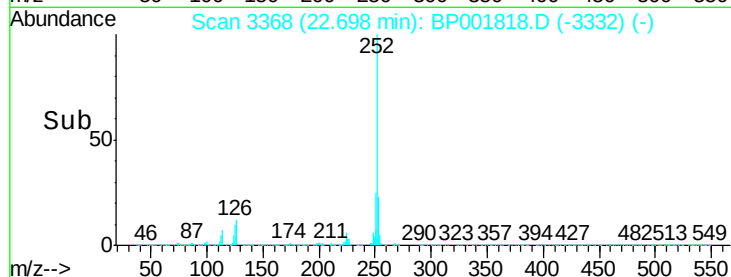
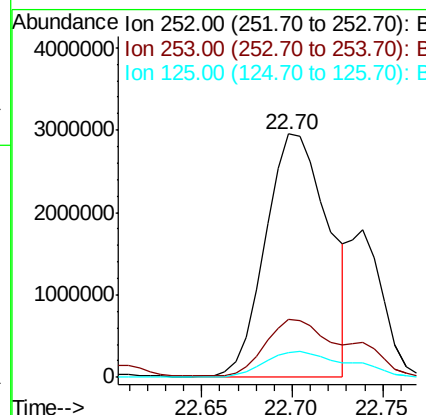
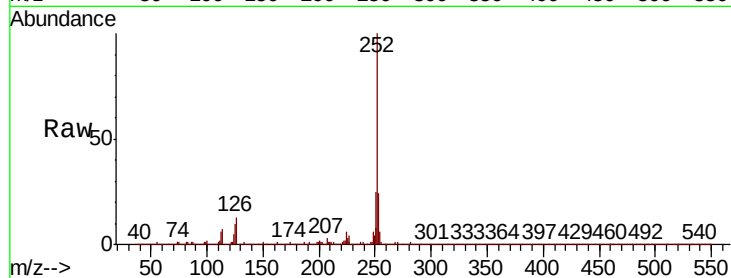
#88
Benzo(b)fluoranthene
Concen: 66.758 ng/ul
RT: 22.70 min Scan# 3368
Delta R.T. 0.01 min
Lab File: BP001818.D
Acq: 21 Feb 2020 00:03

Instrument :
BNA_P
ClientSampleId :
C5AW4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	10.2	7.8	11.6

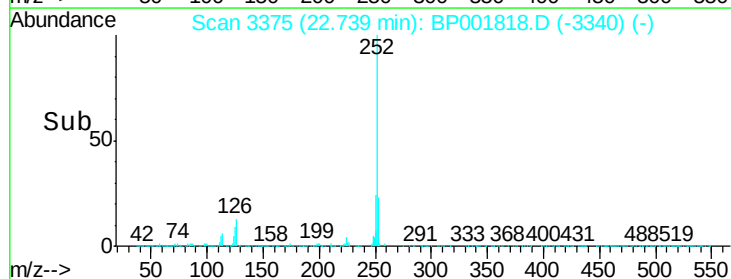
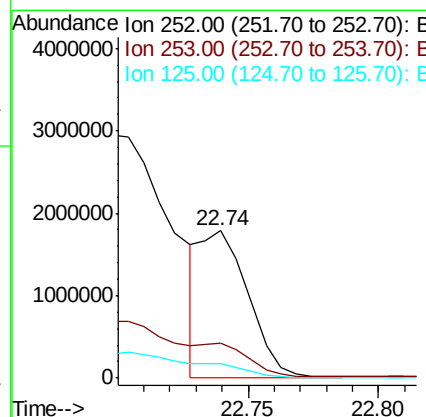
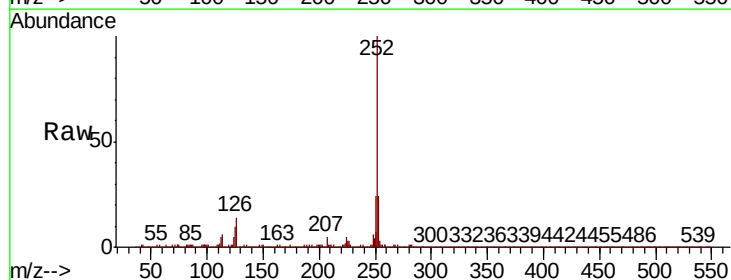
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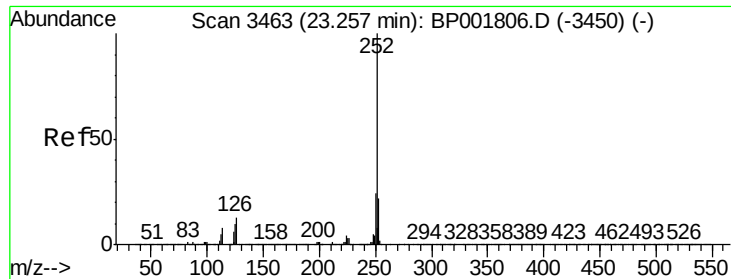
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#89
Benzo(k)fluoranthene
Concen: 20.429 ng/ul m
RT: 22.74 min Scan# 3375
Delta R.T. 0.01 min
Lab File: BP001818.D
Acq: 21 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	9.6	8.0	12.0





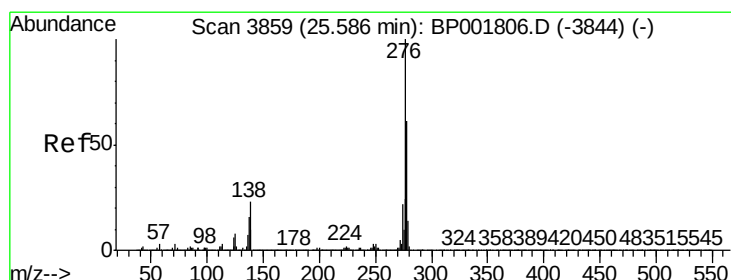
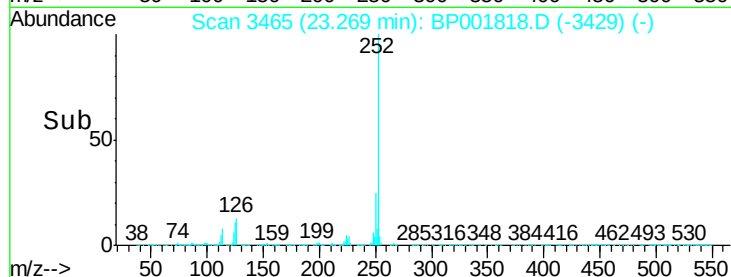
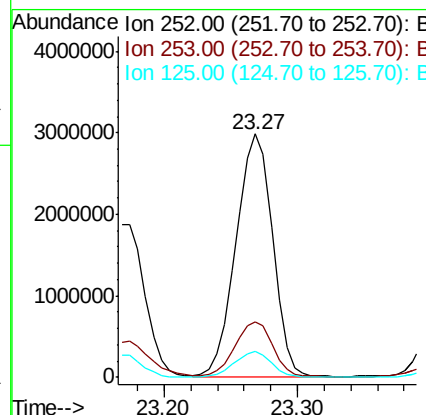
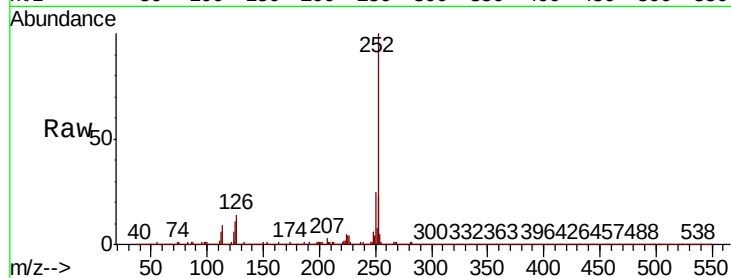
#91
Benzo(a)pyrene
Concen: 56.573 ng/ul
RT: 23.27 min Scan# 3465
Delta R.T. 0.01 min
Lab File: BP001818.D
Acq: 21 Feb 2020 00:03

Instrument :
BNA_P
ClientSampleId :
C5AW4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	10.8	8.3	12.5

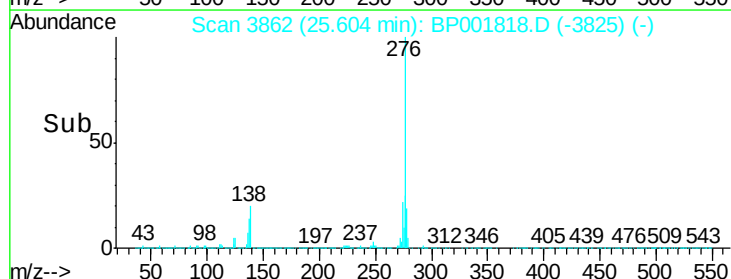
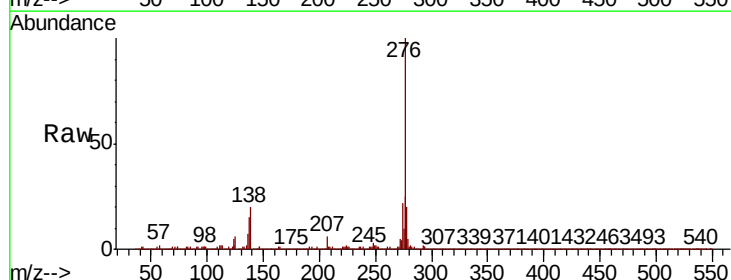
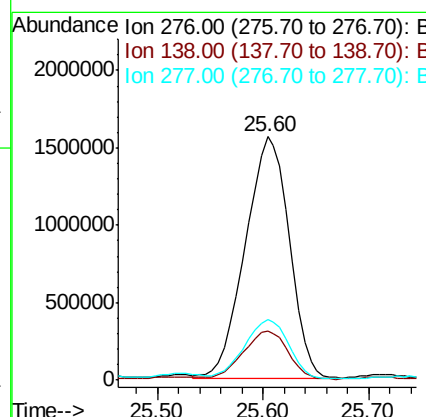
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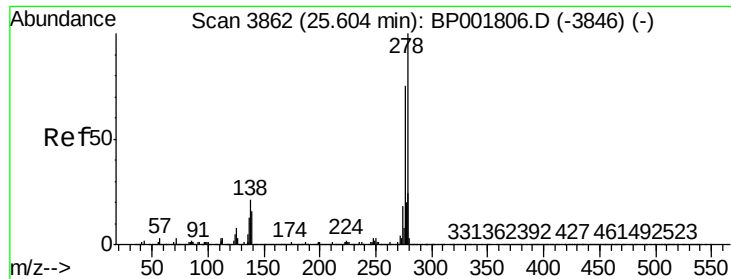
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#92
Indeno(1,2,3-cd)pyrene
Concen: 36.290 ng/ul
RT: 25.60 min Scan# 3862
Delta R.T. 0.02 min
Lab File: BP001818.D
Acq: 21 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	19.3	28.9
277	25.0	20.0	30.0





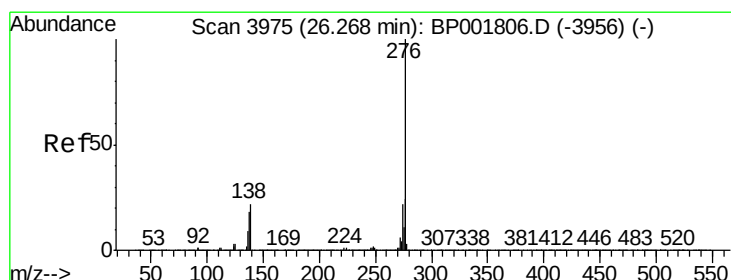
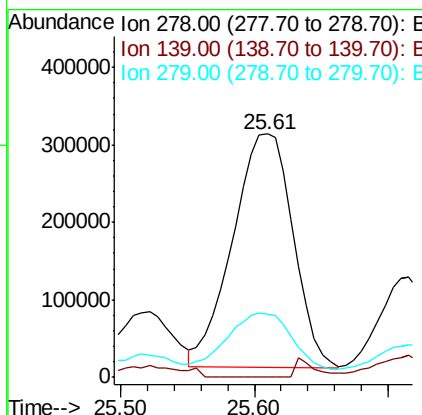
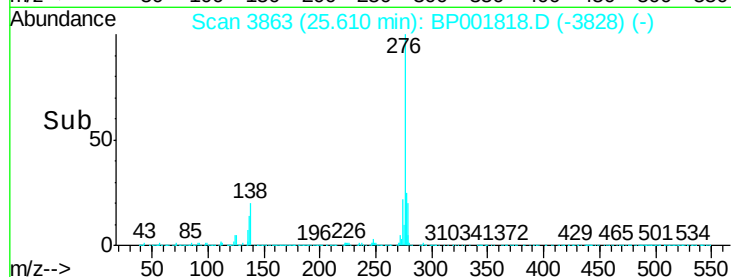
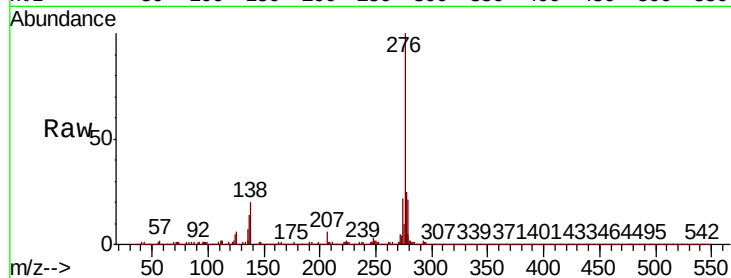
#93
Dibenzo(a,h)anthracene
Concen: 9.084 ng/ul
RT: 25.61 min Scan# 3863
Delta R.T. 0.01 min
Lab File: BP001818.D
Acq: 21 Feb 2020 00:03

Instrument :
BNA_P
ClientSampleId :
C5AW4

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.3	19.9#
279	26.0	19.3	28.9

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 43.316 ng/ul
RT: 26.29 min Scan# 3979
Delta R.T. 0.02 min
Lab File: BP001818.D
Acq: 21 Feb 2020 00:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	17.7	26.5
277	24.3	18.8	28.2

