

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
 Data File : BM018490.D
 Acq On : 10 Jan 2019 01:31
 Operator : JU/SJ
 Sample : K1044-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CPSB-09(20-25)

Manual Integrations
 APPROVED

Sohil
 1/10/2019 3:50:29 PM

Quant Time: Jan 10 15:40:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 12:39:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	596898	20.00	ng	0.00
21) Naphthalene-d8	10.56	136	2517290	20.00	ng	0.00
39) Acenaphthene-d10	14.41	164	1450226	20.00	ng	0.00
64) Phenanthrene-d10	17.16	188	3209522	20.00	ng	0.00
76) Chrysene-d12	21.36	240	2482455	20.00	ng	0.00
87) Perylene-d12	23.64	264	2451508	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	2614700	80.89	ng	0.00
7) Phenol-d6	6.95	99	3455033	84.15	ng	0.01
23) Nitrobenzene-d5	8.93	82	2153796	49.60	ng	0.00
42) 2,4,6-Tribromophenol	15.91	330	1526048	82.64	ng	0.00
45) 2-Fluorobiphenyl	13.03	172	5500659	49.49	ng	0.00
79) Terphenyl-d14	19.79	244	6766029	57.46	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.97	94	1051007	25.191	ng	98
17) 2-Methylphenol	8.21	107	378462	13.364	ng	99
20) 3+4-Methylphenols	8.54	107	1590055	40.671	ng	98
27) 2,4-Dimethylphenol	9.73	122	315392m	10.185	ng	
31) Naphthalene	10.60	128	497115	4.100	ng	99
50) Dimethylphthalate	13.87	163	835430	7.014	ng	100
52) Acenaphthene	14.47	154	243479	2.781	ng	96
55) Dibenzofuran	14.81	168	297252	2.055	ng	98
58) Fluorene	15.46	166	389490	3.614	ng	99
71) Phenanthrene	17.20	178	2935459	17.195	ng	99
72) Anthracene	17.30	178	758622	4.621	ng	98
75) Fluoranthene	19.23	202	2139935	10.873	ng	96
78) Pyrene	19.59	202	1883142	12.798	ng	99
81) Benzo(a)anthracene	21.34	228	829517	5.672	ng	98
83) Chrysene	21.39	228	682348	4.832	ng	97
84) Bis(2-ethylhexyl)phthalate	21.26	149	414296	4.569	ng	97
88) Benzo(b)fluoranthene	22.95	252	704220m	5.060	ng	
90) Benzo(a)pyrene	23.54	252	569275	4.272	ng	# 94
92) Benzo(a,h,i)perylene	26.68	276	310494	2.363	ng	97

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

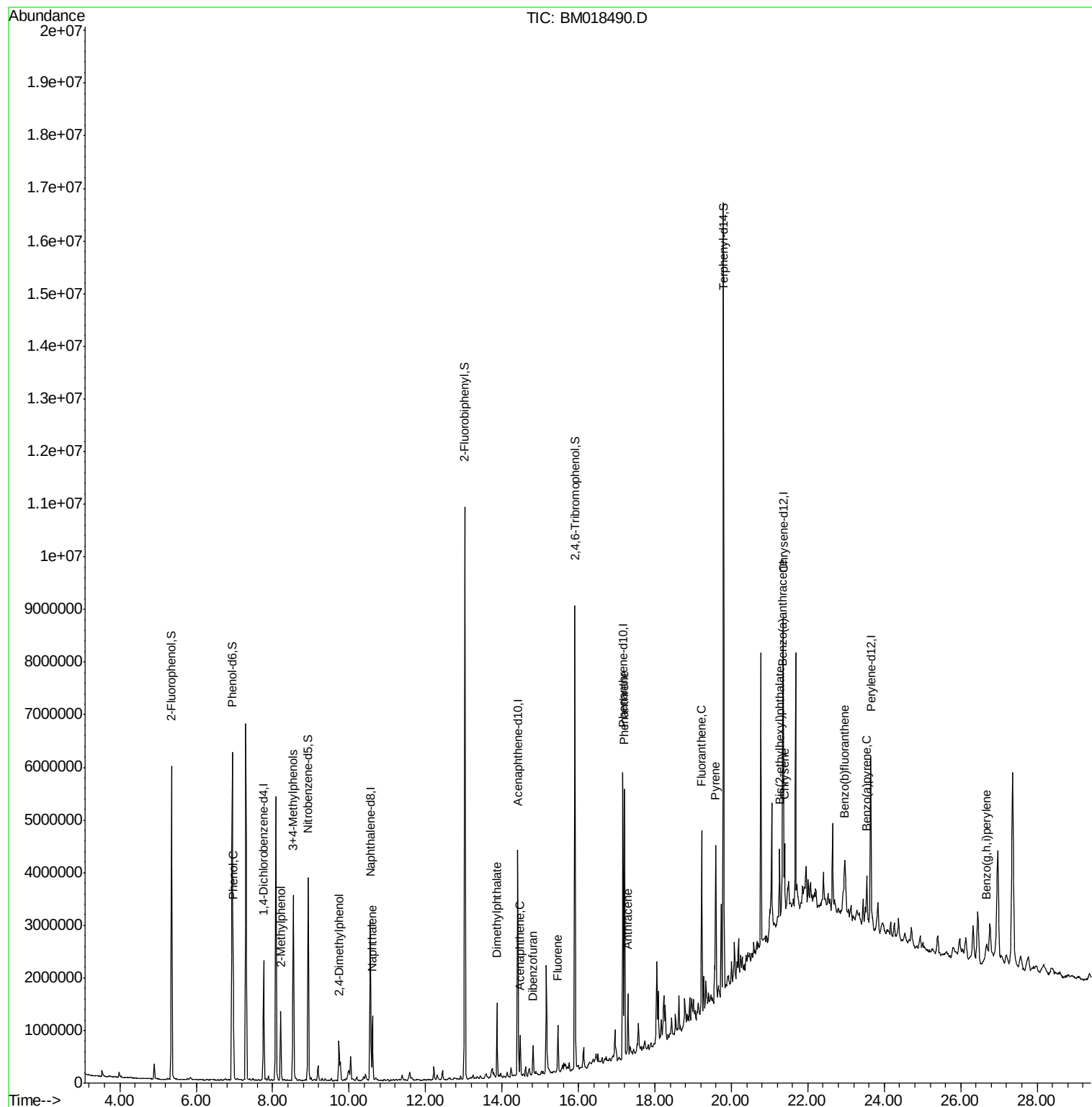
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
Data File : BM018490.D
Acq On : 10 Jan 2019 01:31
Operator : JU/SJ
Sample : K1044-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

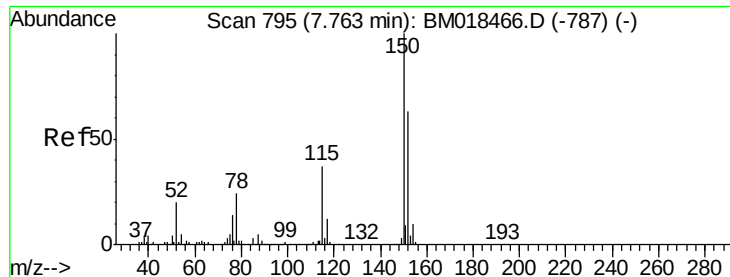
Instrument :
BNA_M
ClientSampleId :
CPSB-09(20-25)

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Quant Time: Jan 10 15:40:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 09 12:39:07 2019
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#1

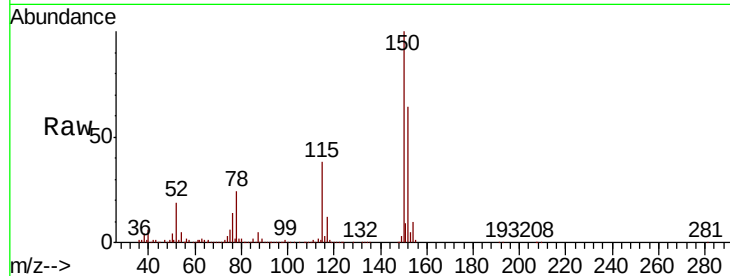
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 795
Delta R.T. 0.00 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Instrument :
BNA_M
ClientSampleId :
CPSB-09(20-25)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.9	190.3
115	59.1	45.5	68.3

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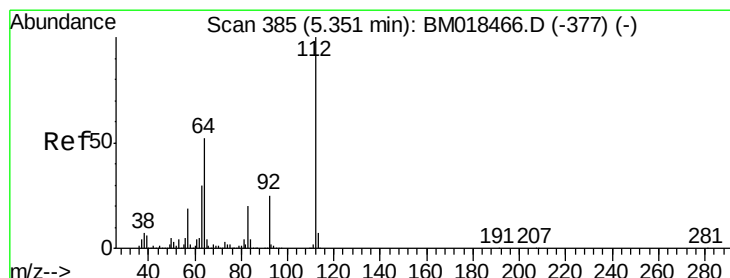
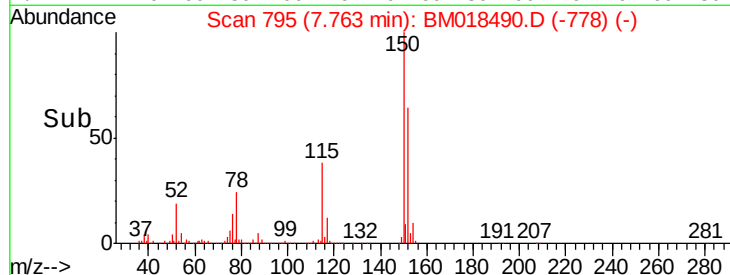
Abundance

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

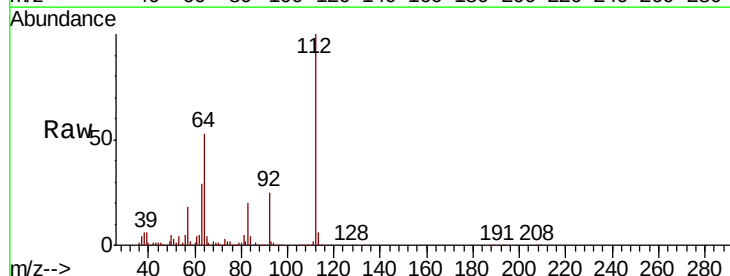
Time-->



#5

2-Fluorophenol
Concen: 80.885 ng
RT: 5.36 min Scan# 386
Delta R.T. 0.01 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	46.5	69.7
63	28.9	25.2	37.8



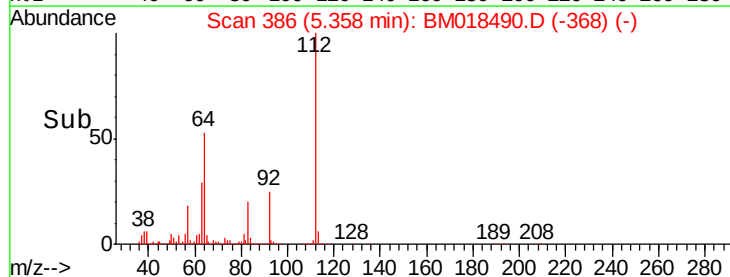
Abundance

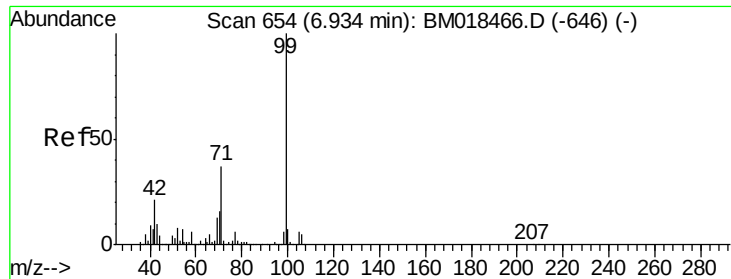
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0

Time-->





#7

Phenol-d6

Concen: 84.150 ng

RT: 6.95 min Scan# 656

Delta R.T. 0.01 min

Lab File: BM018490.D

Acq: 10 Jan 2019 01:31

Instrument :

BNA_M

ClientSampled :

CPSB-09(20-25)

Tot Ion: 99 Resp: 3455033

Ion Ratio Lower Upper

99 100

42 19.7 17.3 25.9

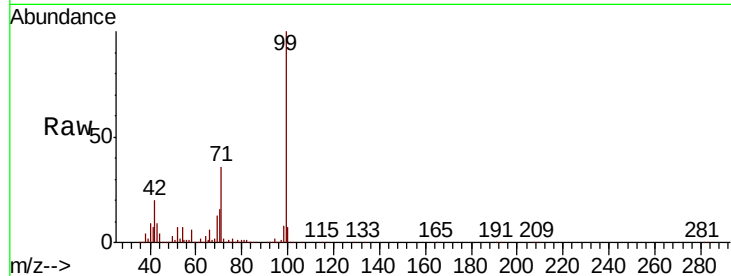
71 36.0 28.0 42.0

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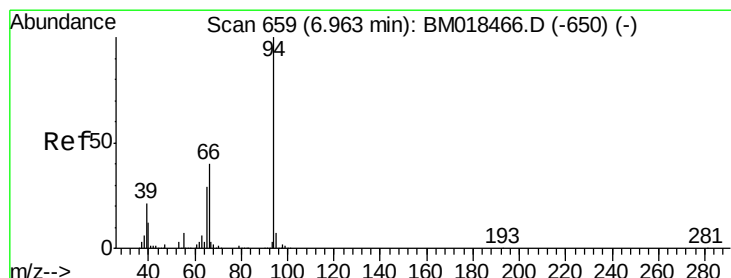
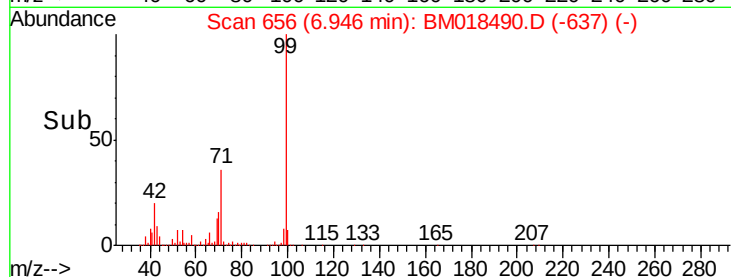
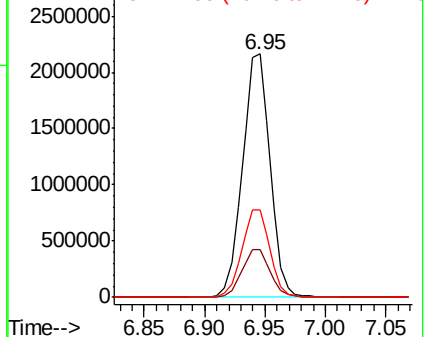


Abundance

Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)



#10

Phenol

Concen: 25.191 ng

RT: 6.97 min Scan# 660

Delta R.T. 0.01 min

Lab File: BM018490.D

Acq: 10 Jan 2019 01:31

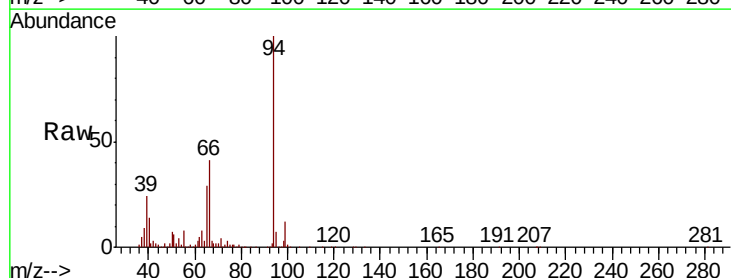
Tgt Ion: 94 Resp: 1051007

Ion Ratio Lower Upper

94 100

65 28.6 9.4 49.4

66 40.9 19.1 59.1

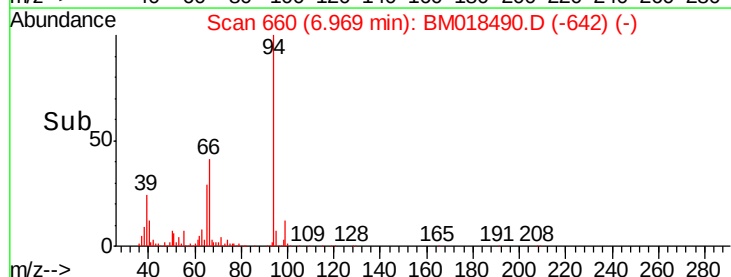
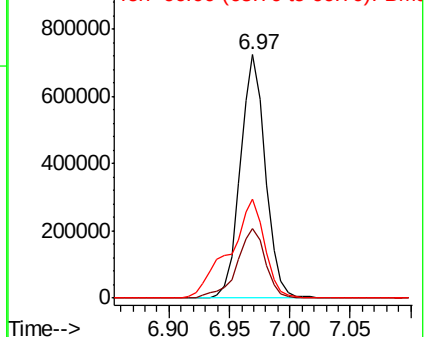


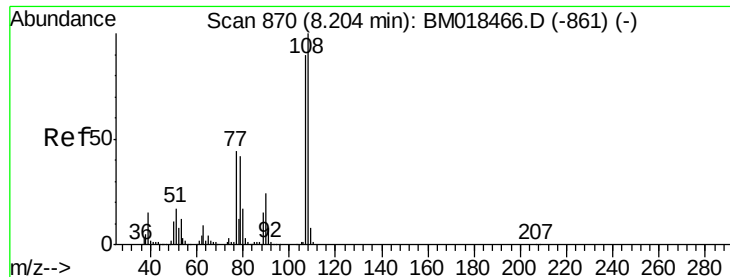
Abundance

Ion 94.00 (93.70 to 94.70): BM018466.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM018466.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM018466.D (-650) (-)





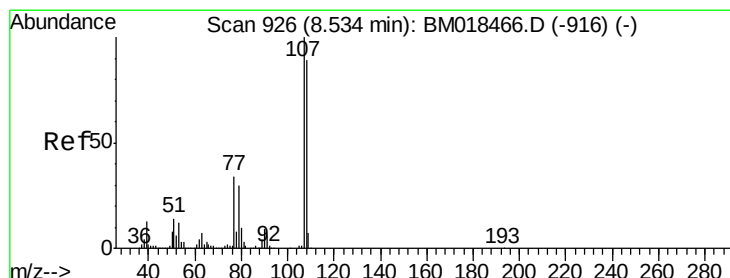
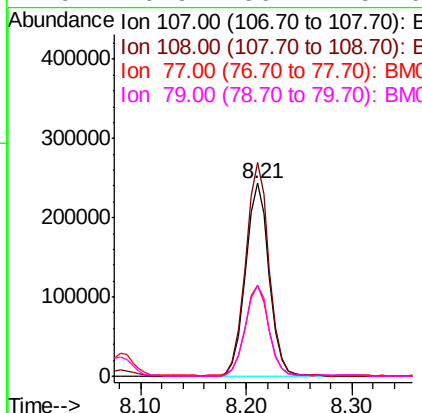
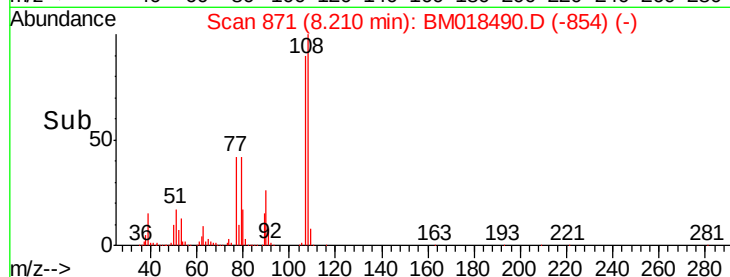
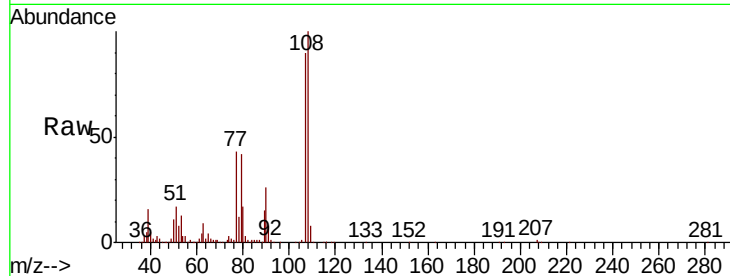
#17
2-Methylphenol
Concen: 13.364 ng
RT: 8.21 min Scan# 871
Delta R.T. 0.00 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Instrument :
BNA_M
ClientSampleId :
CPSB-09(20-25)

Tot Ion	107	Resp	378462
Ion Ratio	Lower	Upper	
107	100		
108	110.7	87.5	131.3
77	47.3	37.3	55.9
79	46.9	36.4	54.6

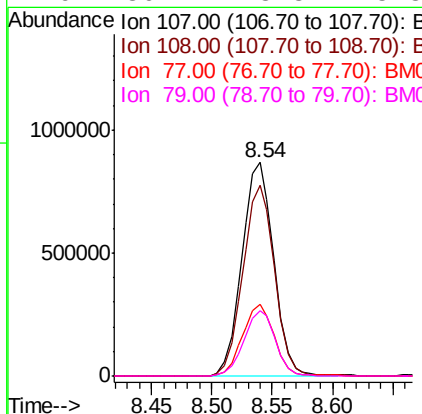
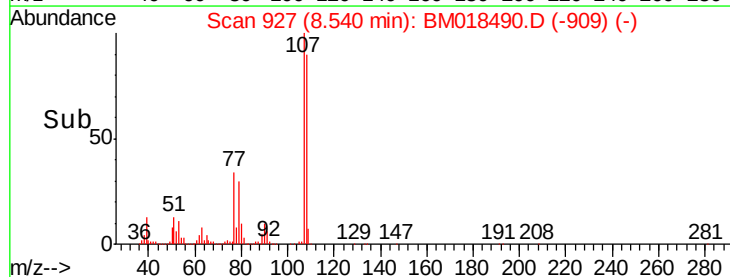
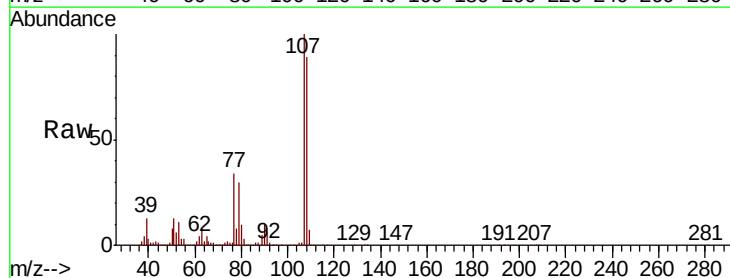
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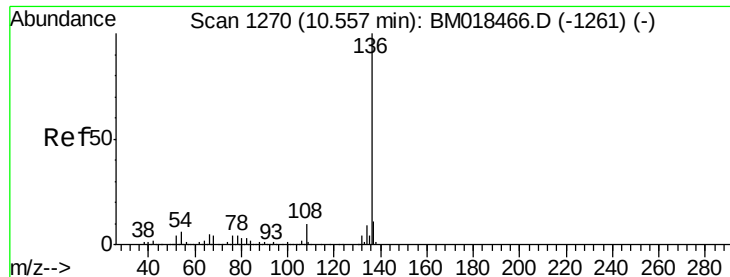
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#20
3+4-Methylphenols
Concen: 40.671 ng
RT: 8.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Tgt Ion	107	Resp	1590055
Ion Ratio	Lower	Upper	
107	100		
108	89.5	66.8	106.8
77	33.7	13.3	53.3
79	30.4	8.8	48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.56 min Scan# 1270

Delta R.T. 0.01 min

Lab File: BM018490.D

Acq: 10 Jan 2019 01:31

Instrument :

BNA_M

ClientSampleId :

CPSB-09(20-25)

Tot Ion:136 Resp: 2517290

Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

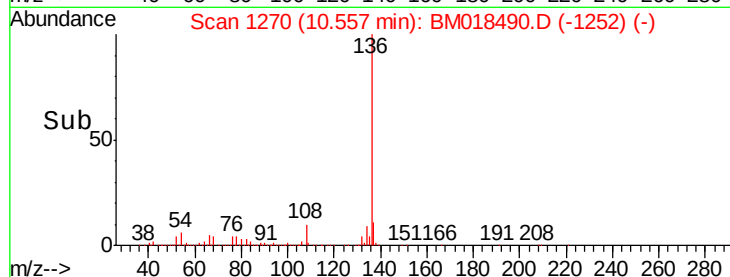
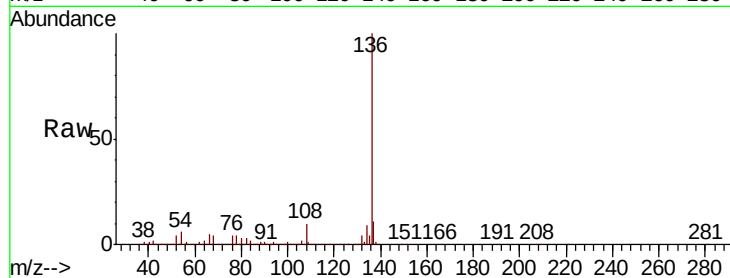
54 6.1 6.0 9.0

68 4.2 4.5 6.7#

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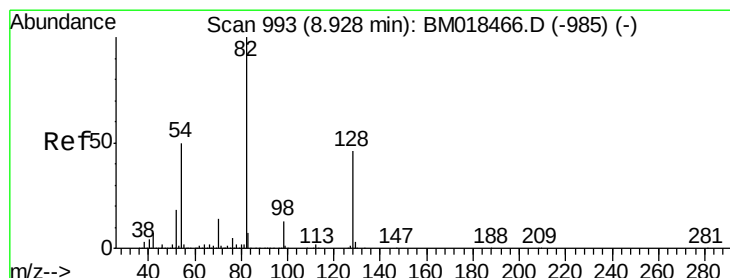
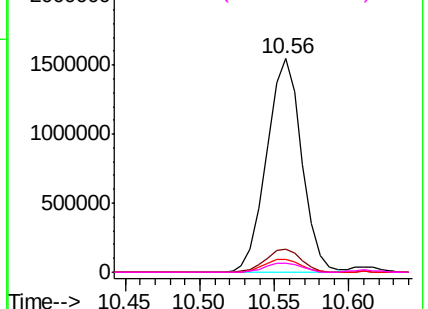


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23

Nitrobenzene-d5

Concen: 49.600 ng

RT: 8.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: BM018490.D

Acq: 10 Jan 2019 01:31

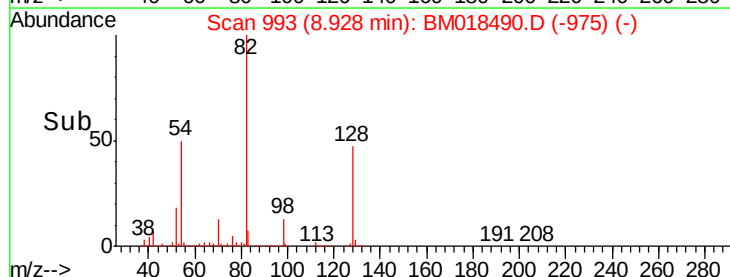
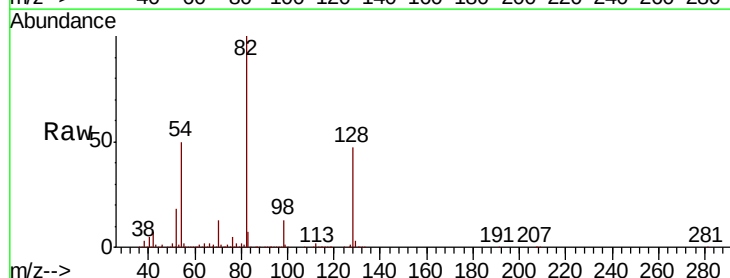
Tgt Ion: 82 Resp: 2153796

Ion Ratio Lower Upper

82 100

128 46.8 36.3 54.5

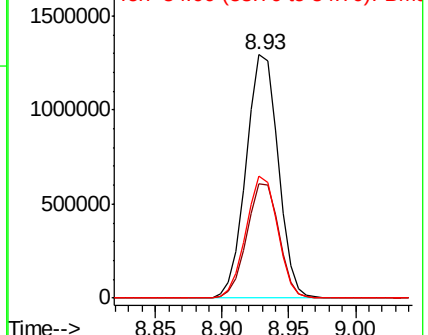
54 50.0 41.7 62.5

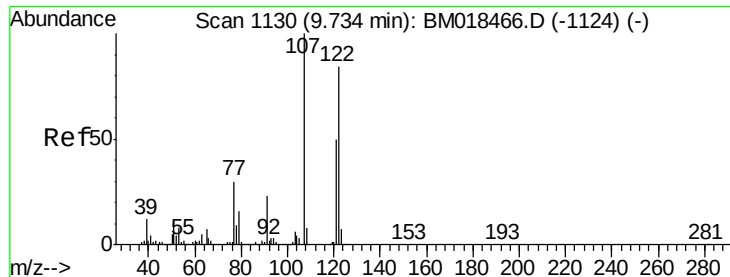


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





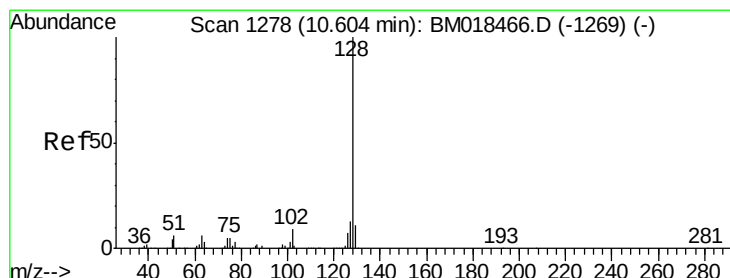
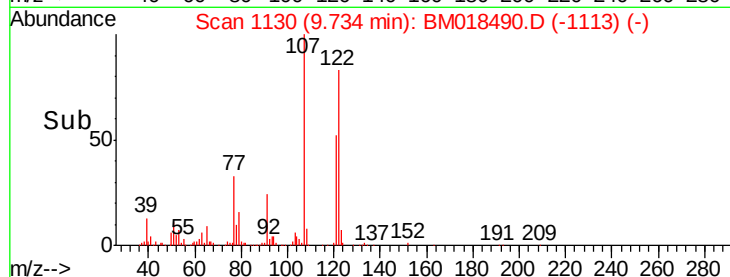
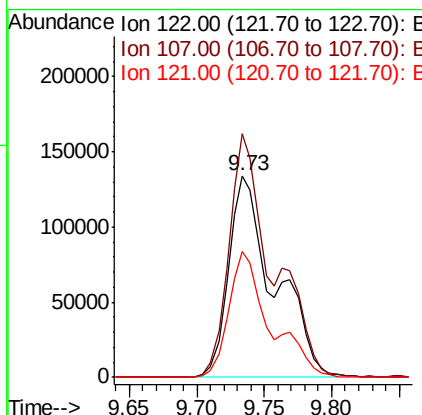
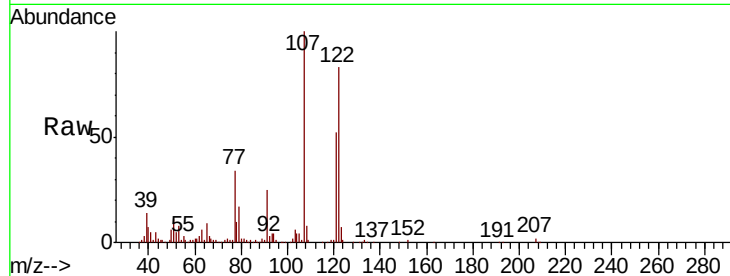
#27
2,4-Dimethylphenol
Concen: 10.185 ng m
RT: 9.73 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Instrument :
BNA_M
ClientSampleId :
CPSB-09(20-25)

Tot Ion	Ratio	Resp	Lower	Upper
122	100	315392		
107	120.7	91.9	137.9	
121	62.2	47.5	71.3	

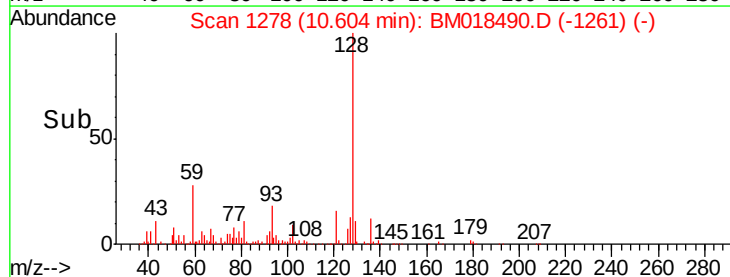
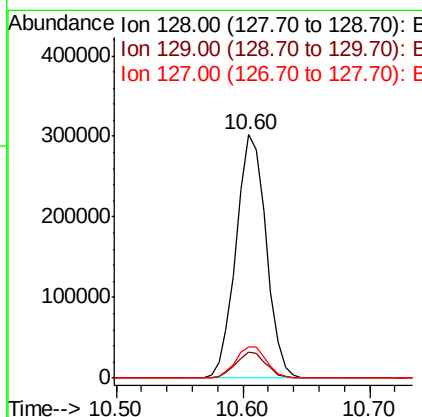
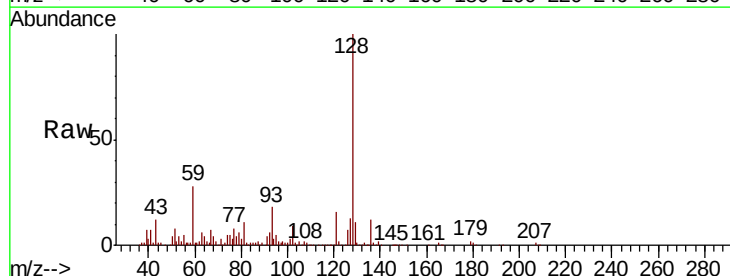
Manual Integrations
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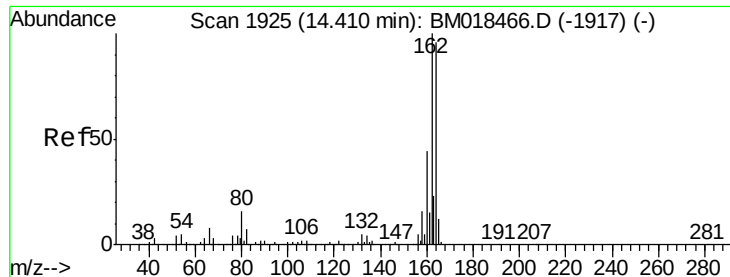
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#31
Naphthalene
Concen: 4.100 ng
RT: 10.60 min Scan# 1278
Delta R.T. 0.00 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	497115		
129	10.7	8.7	13.1	
127	13.0	10.8	16.2	





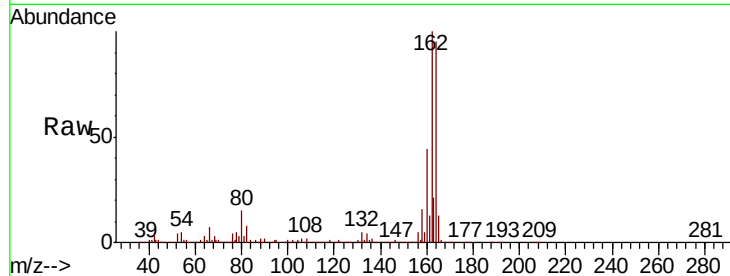
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.41 min Scan# 1925
Delta R.T. 0.00 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Instrument :
BNA_M
ClientSampleId :
CPSB-09(20-25)

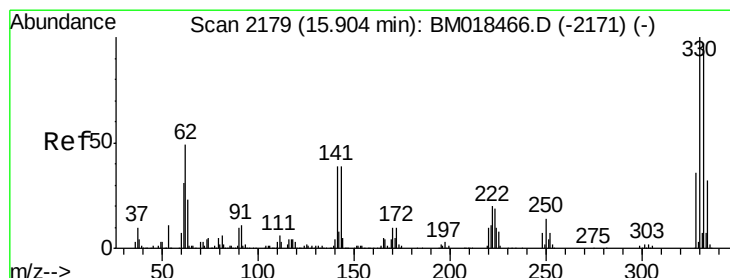
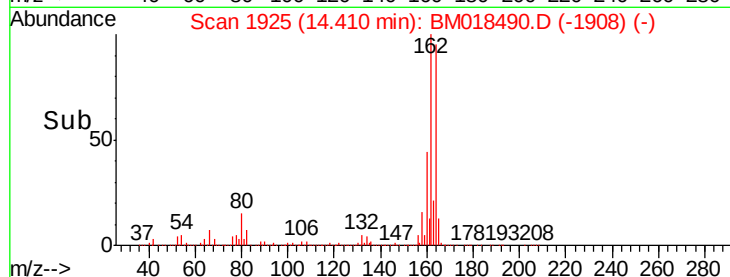
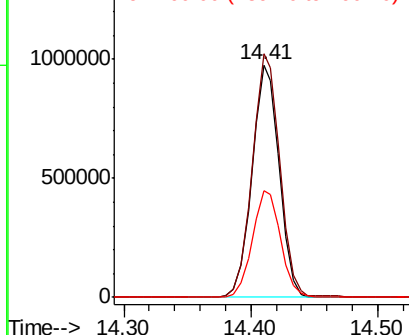
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.0	124.4
160	46.1	37.1	55.7

Manual Integrations
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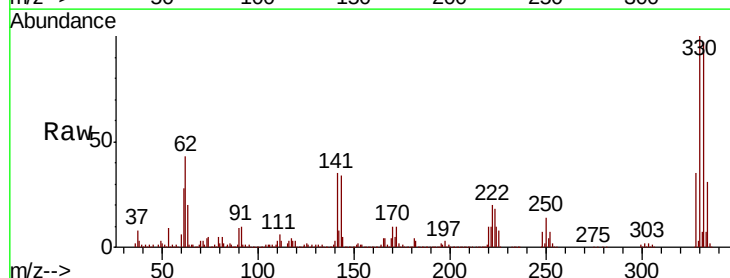


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

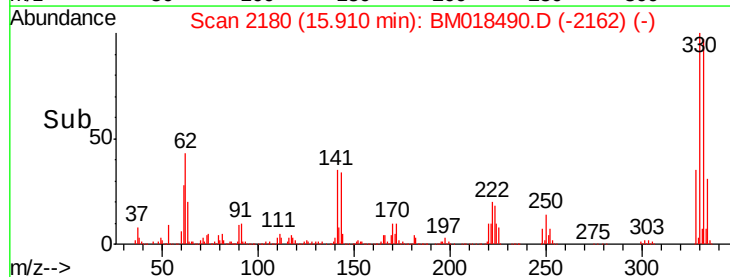
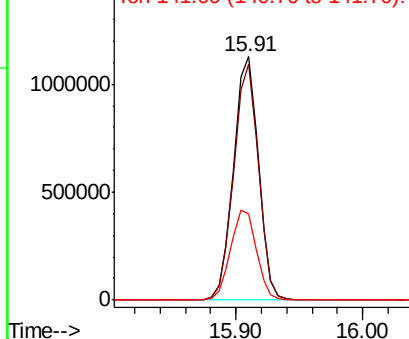


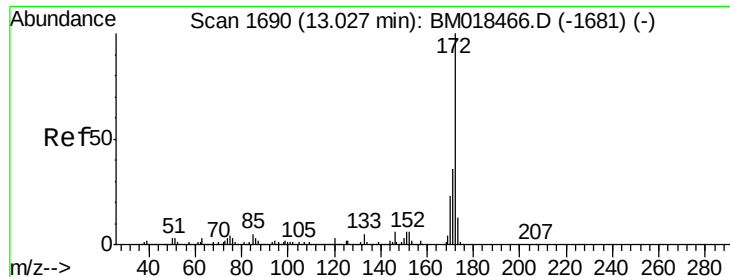
#42
2,4,6-Tribromophenol
Concen: 82.643 ng
RT: 15.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.6	116.4
141	38.2	31.7	47.5



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





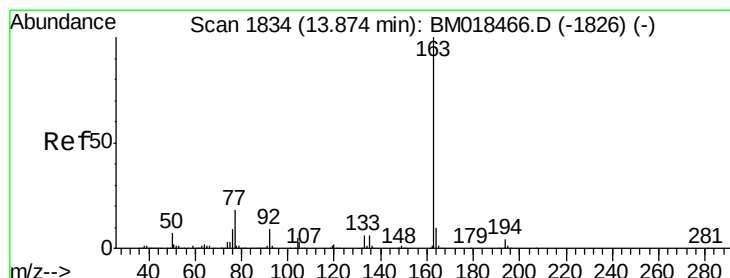
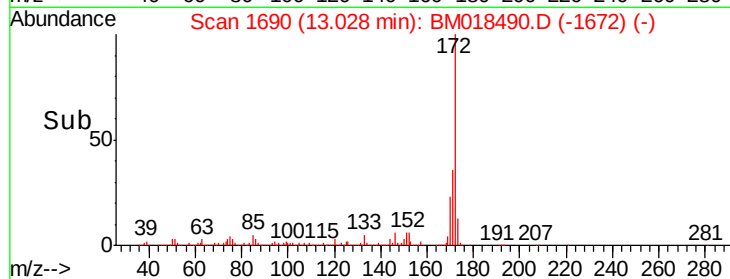
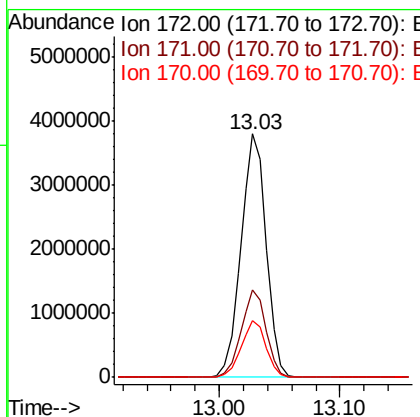
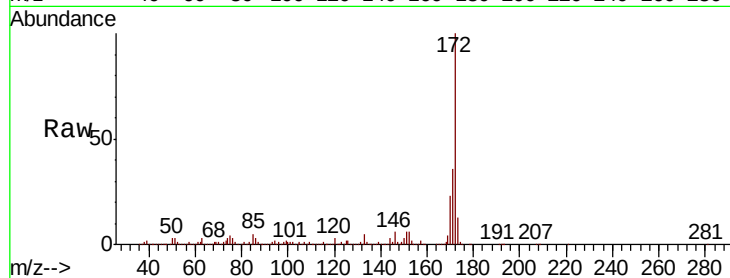
#45
2-Fluorobiphenyl
Concen: 49.493 ng
RT: 13.03 min Scan# 1690
Delta R.T. 0.01 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Instrument :
BNA_M
ClientSampleId :
CPSB-09(20-25)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.4
170	23.5	18.9	28.3

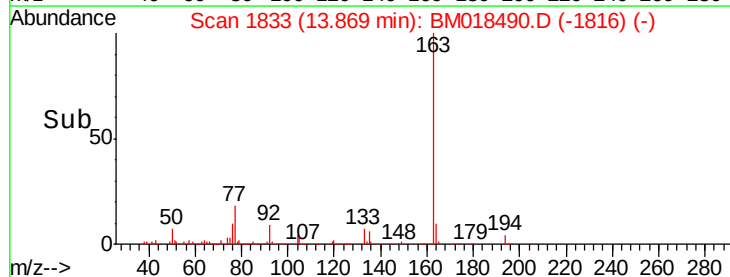
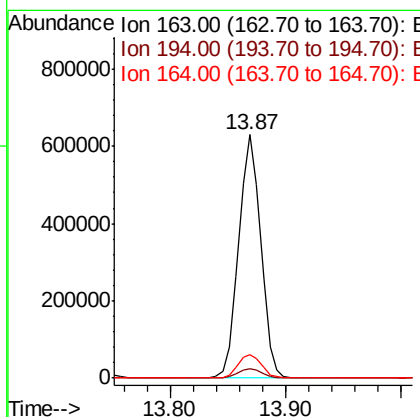
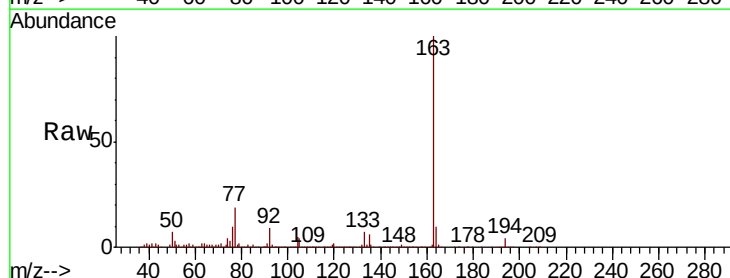
Manual Integrations
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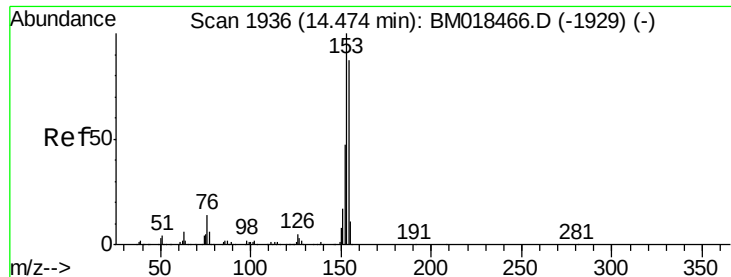
Sohil
1/10/2019 3:50:29 PM



#50
Dimethylphthalate
Concen: 7.014 ng
RT: 13.87 min Scan# 1833
Delta R.T. 0.00 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	9.9	7.8	11.8





#52

Acenaphthene

Concen: 2.781 ng

RT: 14.47 min Scan# 1936

Delta R.T. 0.01 min

Lab File: BM018490.D

Acq: 10 Jan 2019 01:31

Instrument :

BNA_M

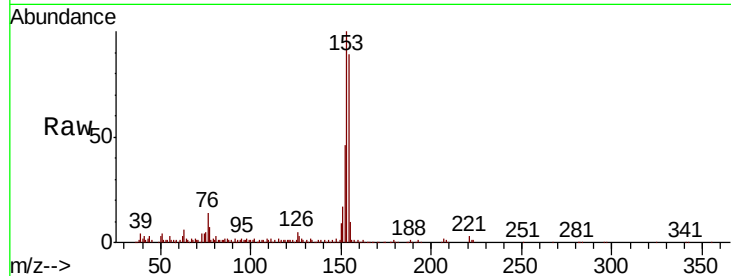
ClientSampleId :

CPSB-09(20-25)

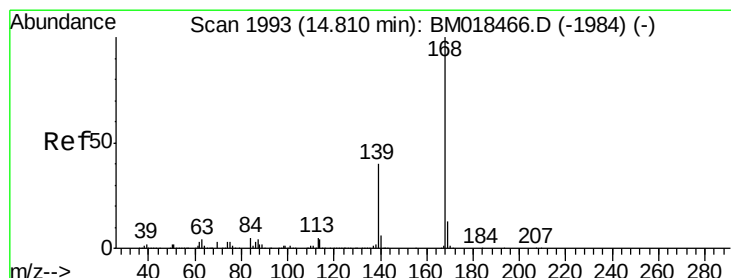
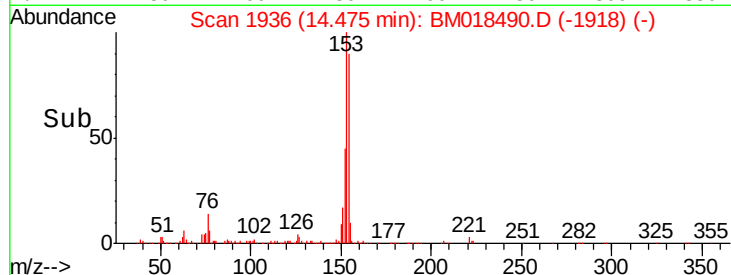
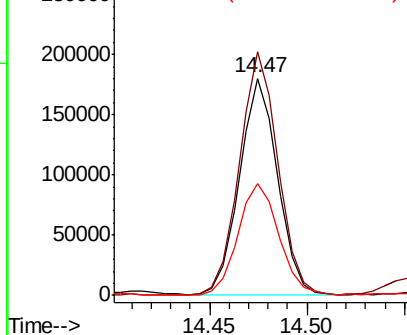
Tot Ion:	154	Resp:	243479
Ion	Ratio	Lower	Upper
154	100		
153	112.1	92.3	138.5
152	51.4	43.8	65.6

Manual Integrations
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1/10/2019 3:50:29 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.055 ng

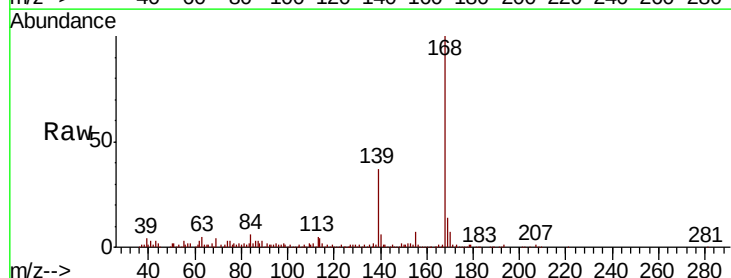
RT: 14.81 min Scan# 1993

Delta R.T. 0.00 min

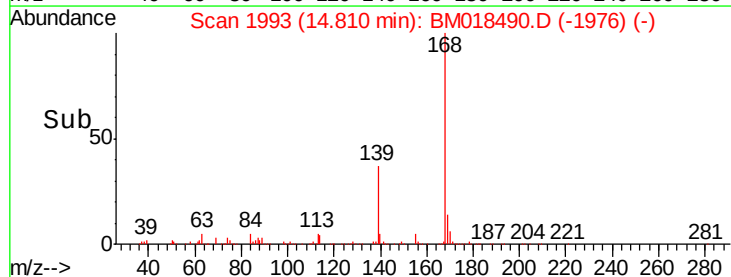
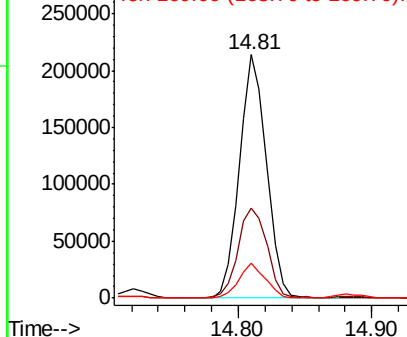
Lab File: BM018490.D

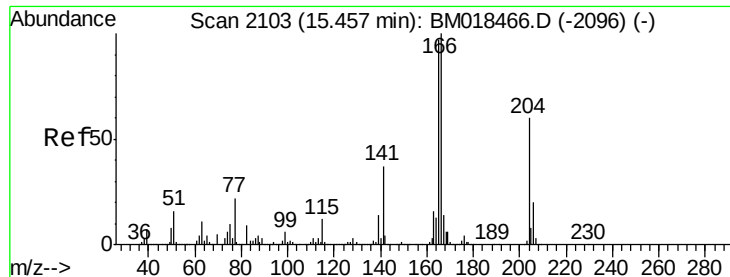
Acq: 10 Jan 2019 01:31

Tgt Ion:	168	Resp:	297252
Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.3	45.5
169	14.4	10.6	16.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





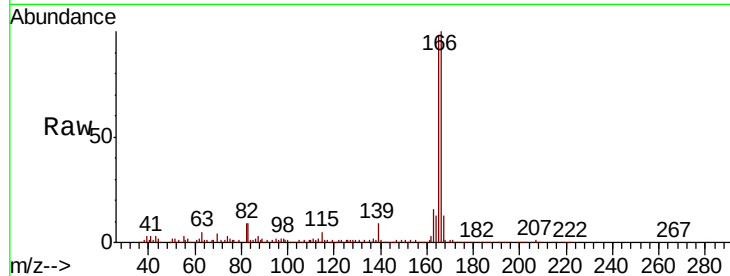
#58
 Fluorene
 Concen: 3.614 ng
 RT: 15.46 min Scan# 2104
 Delta R.T. 0.01 min
 Lab File: BM018490.D
 Acq: 10 Jan 2019 01:31

Instrument :
 BNA_M
 ClientSampleId :
 CPSB-09(20-25)

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.3	117.5
167	13.3	10.9	16.3

Manual Integrations
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 1/10/2019 3:50:29 PM

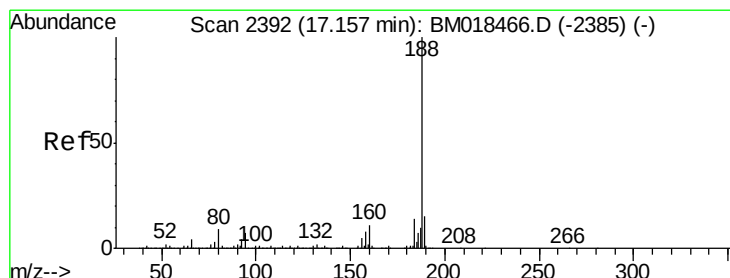
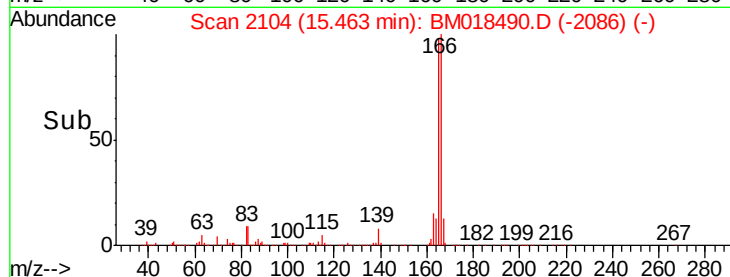
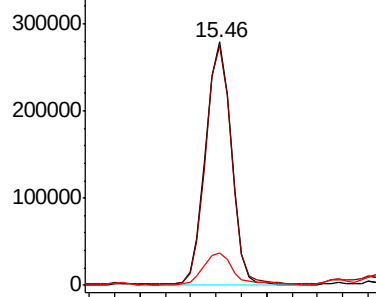


Abundance

Ion 166.00 (165.70 to 166.70): E

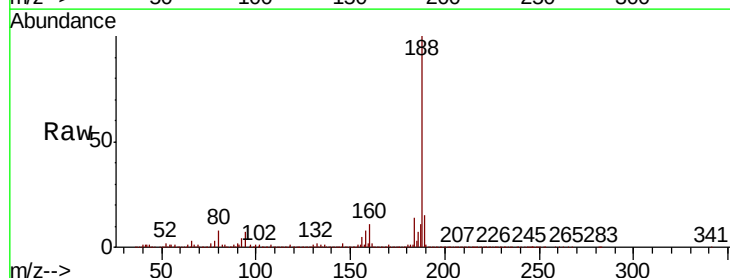
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.16 min Scan# 2393
 Delta R.T. 0.01 min
 Lab File: BM018490.D
 Acq: 10 Jan 2019 01:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	7.1	10.7
80	8.0	7.6	11.4

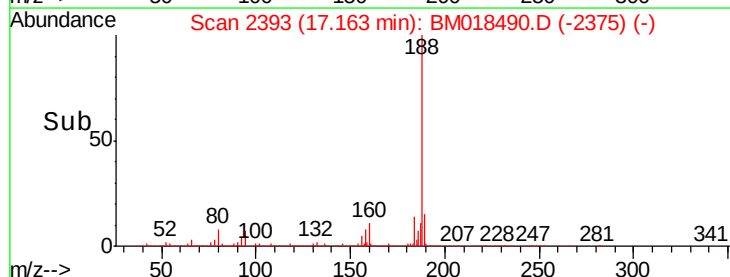
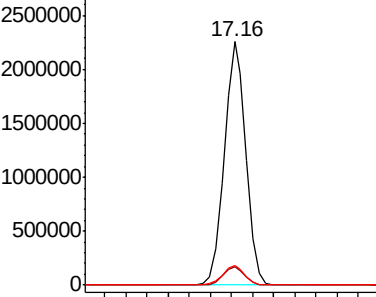


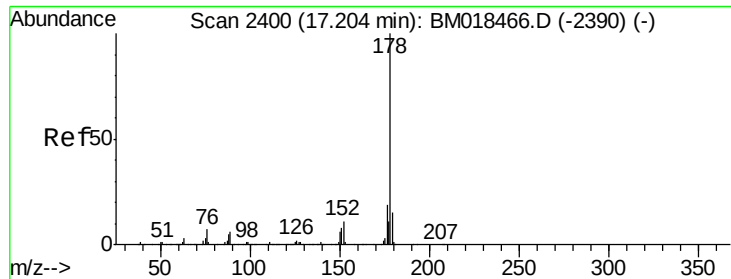
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





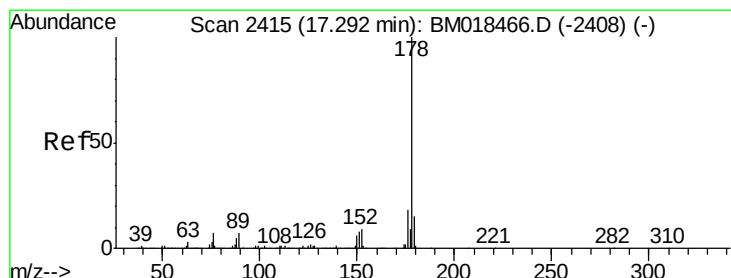
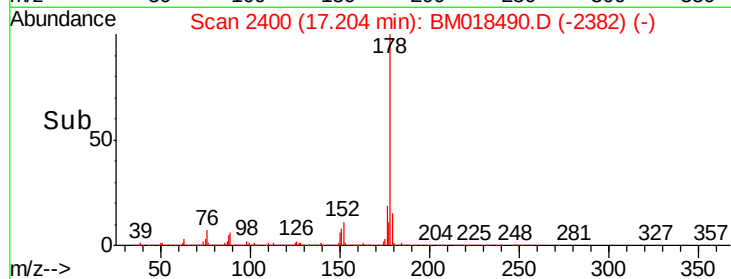
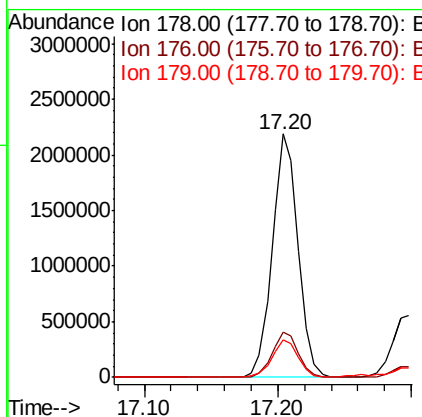
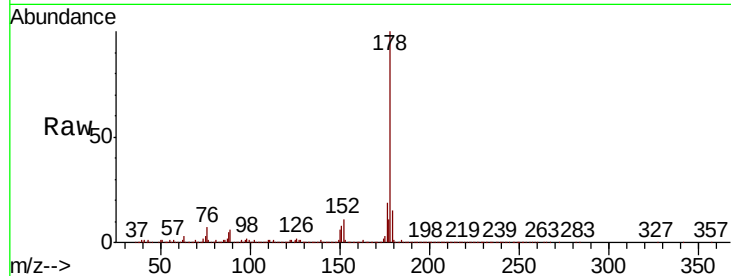
#71
Phenanthrene
Concen: 17.195 ng
RT: 17.20 min Scan# 2400
Delta R.T. 0.01 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Instrument :
BNA_M
ClientSampleId :
CPSB-09(20-25)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.3	12.2	18.4

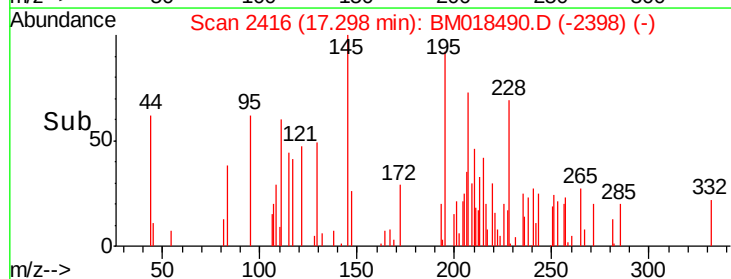
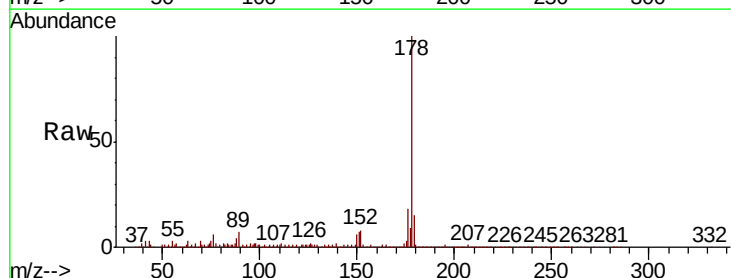
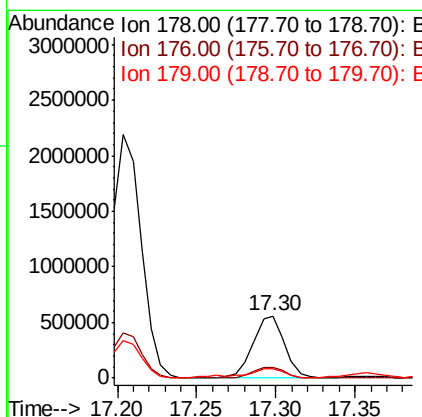
Manual Integrations
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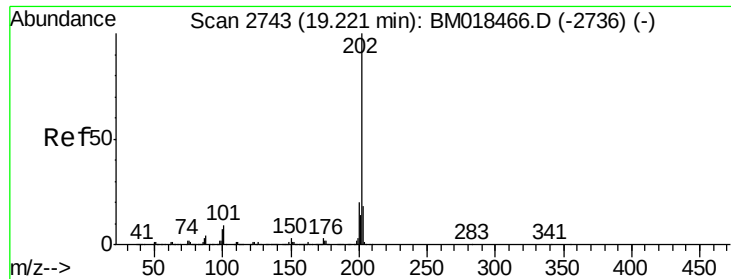
Sohil
1/10/2019 3:50:29 PM



#72
Anthracene
Concen: 4.621 ng
RT: 17.30 min Scan# 2416
Delta R.T. 0.01 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.7	22.1
179	14.5	12.2	18.4





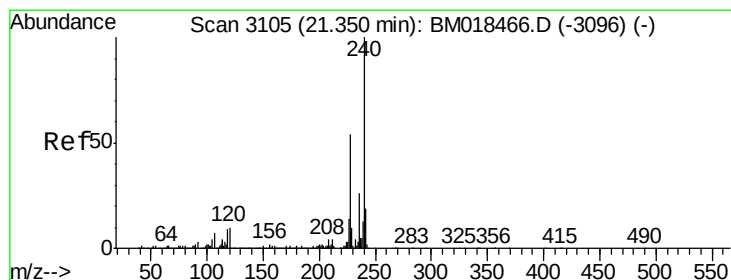
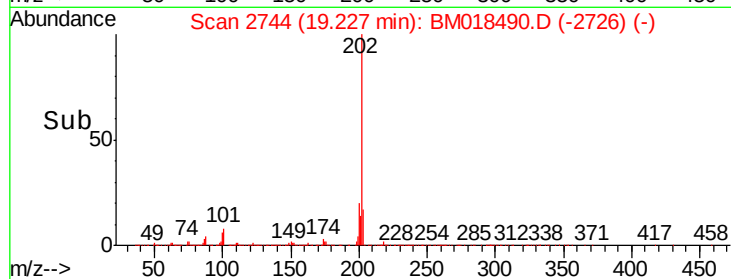
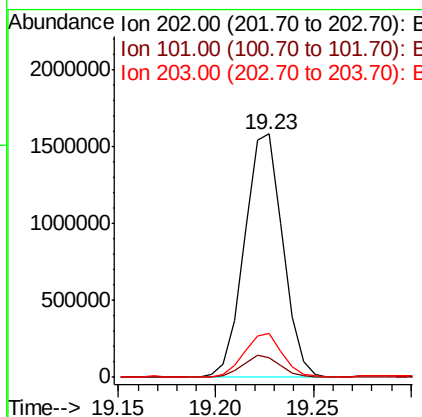
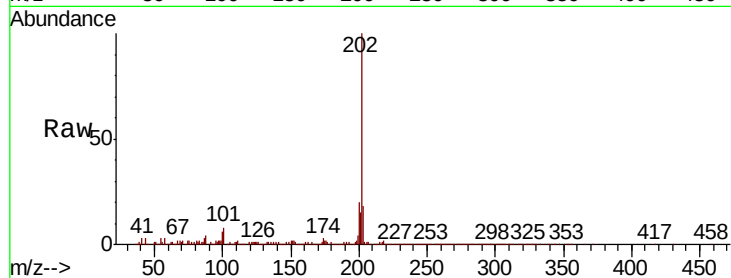
#75
 Fluoranthene
 Concen: 10.873 ng
 RT: 19.23 min Scan# 2744
 Delta R.T. 0.01 min
 Lab File: BM018490.D
 Acq: 10 Jan 2019 01:31

Instrument :
 BNA_M
 ClientSampleId :
 CPSB-09(20-25)

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	30.9
203	18.0	0.0	37.4

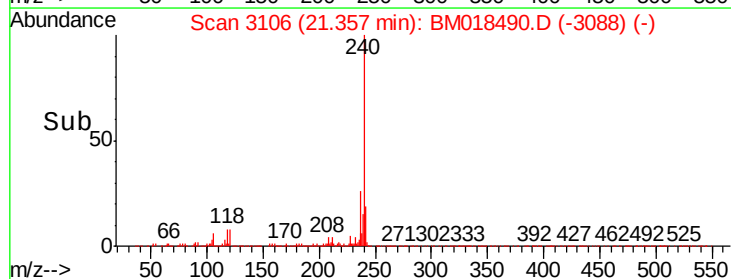
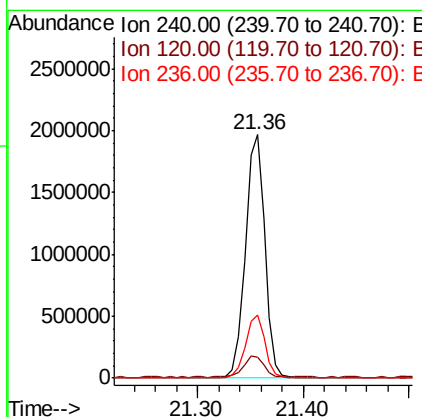
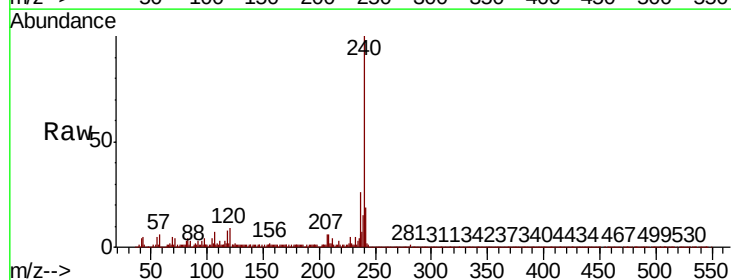
Manual Integrations
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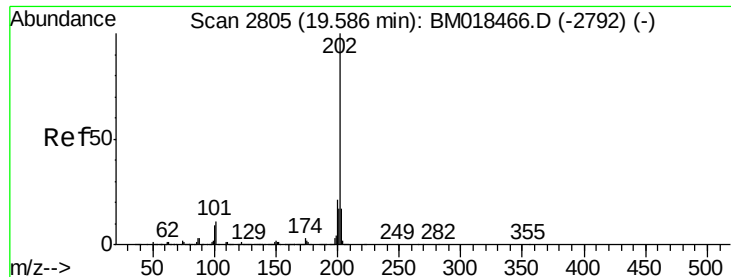
Sohil
 1/10/2019 3:50:29 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.36 min Scan# 3106
 Delta R.T. 0.01 min
 Lab File: BM018490.D
 Acq: 10 Jan 2019 01:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.8	8.4	12.6
236	25.9	20.7	31.1





#78

Pvrene

Concen: 12.798 ng

RT: 19.59 min Scan# 2806

Delta R.T. 0.01 min

Lab File: BM018490.D

Acq: 10 Jan 2019 01:31

Instrument :

BNA_M

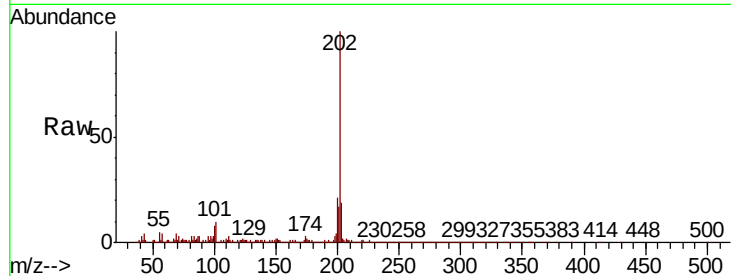
ClientSampleId :

CPSB-09(20-25)

Tot Ion:	202	Resp:	1883142
Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	18.6	13.8	20.8

Manual Integrations
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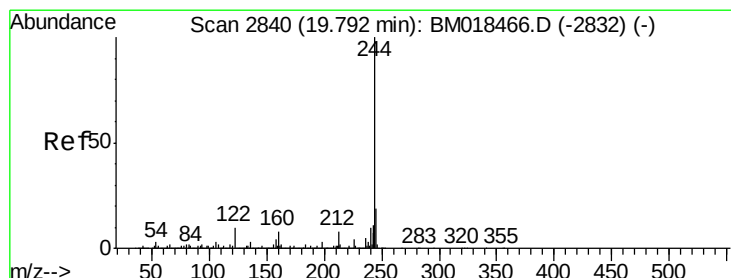
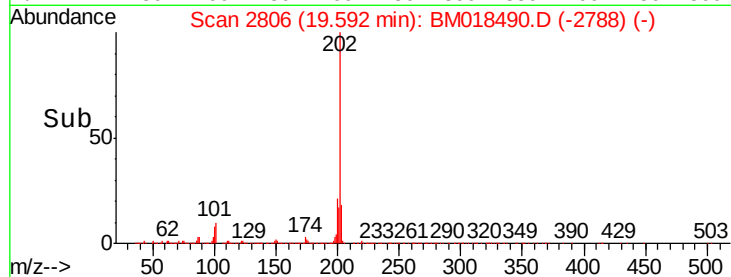
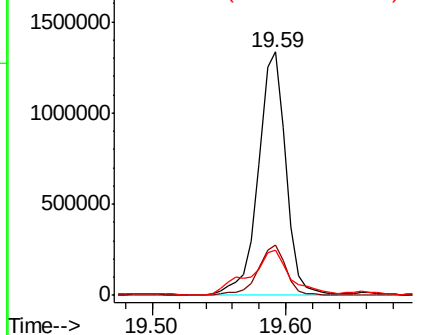


Abundance

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



#79

Terphenyl-d14

Concen: 57.455 ng

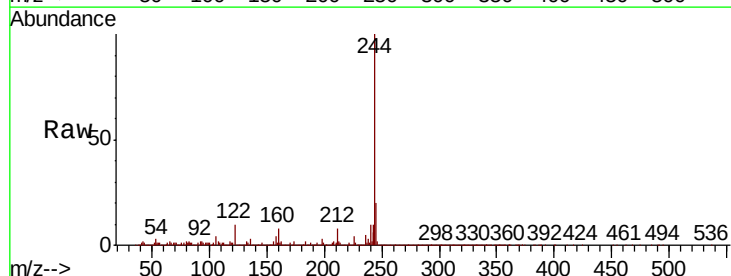
RT: 19.79 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BM018490.D

Acq: 10 Jan 2019 01:31

Tgt Ion:	244	Resp:	6766029
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	10.1	9.0	13.4

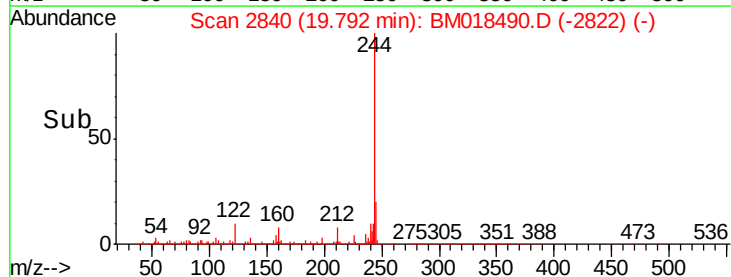
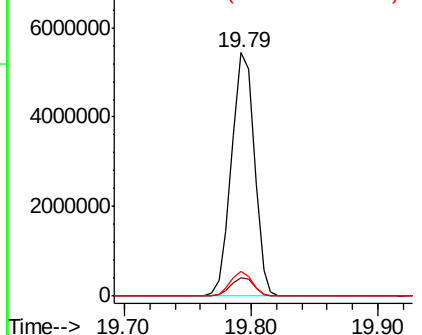


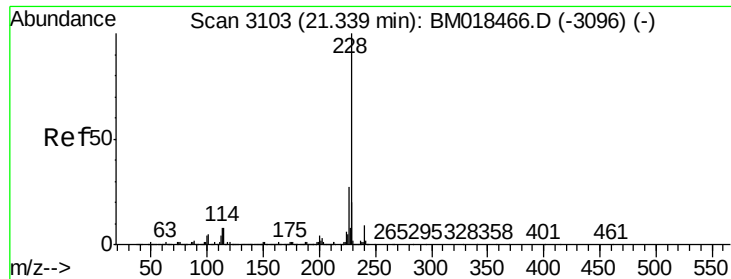
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 5.672 ng

RT: 21.34 min Scan# 3103

Delta R.T. 0.01 min

Lab File: BM018490.D

Acq: 10 Jan 2019 01:31

Instrument :

BNA_M

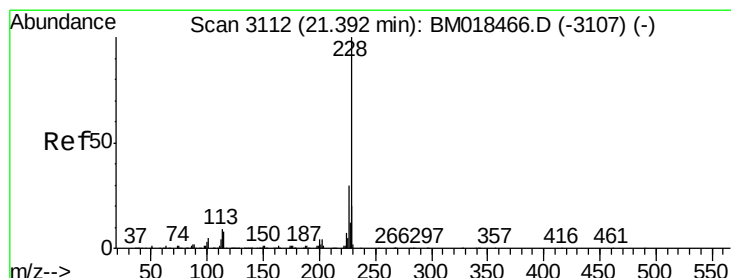
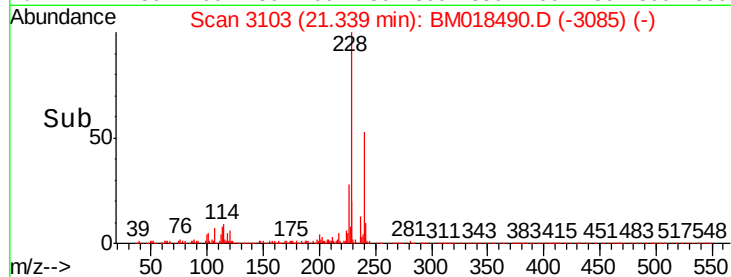
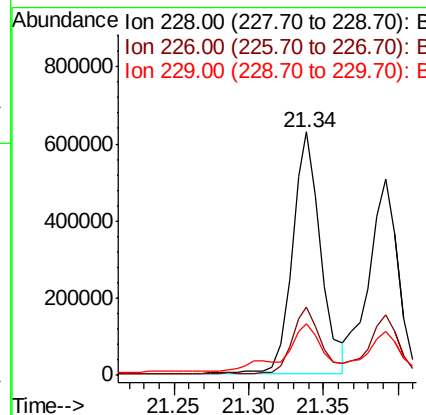
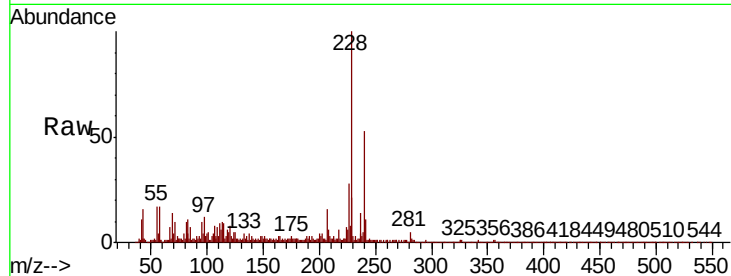
ClientSampleId :

CPSB-09(20-25)

Tot Ion:	228	Resp:	829517
Ion Ratio	Lower	Upper	
228	100		
226	28.3	21.8	32.6
229	21.1	15.8	23.8

Manual Integrations
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1/10/2019 3:50:29 PM



#83

Chrysene

Concen: 4.832 ng

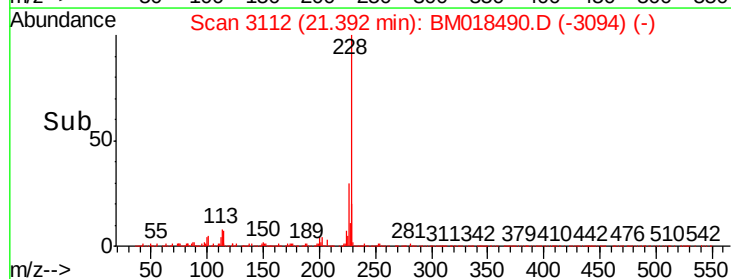
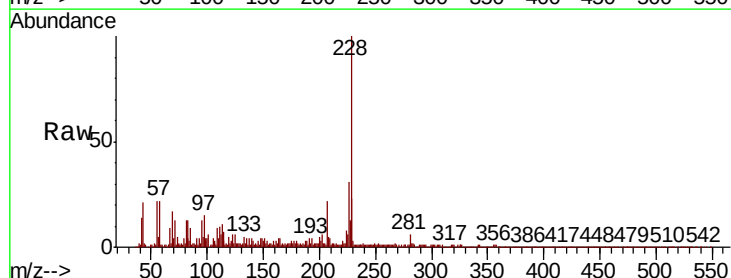
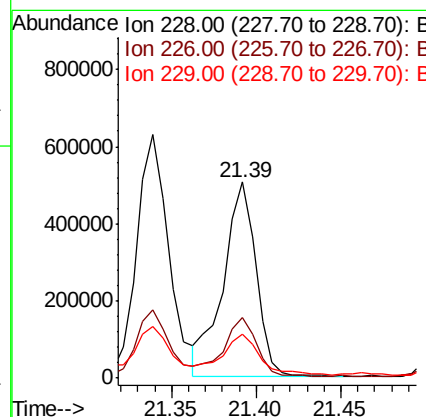
RT: 21.39 min Scan# 3112

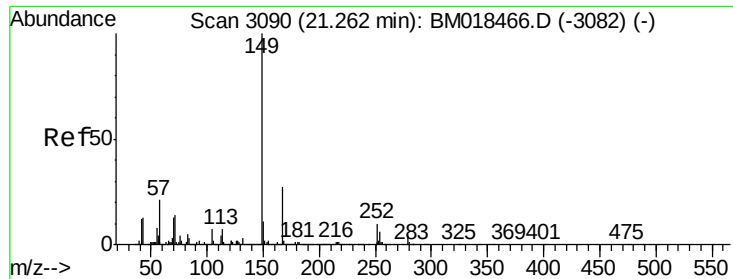
Delta R.T. 0.01 min

Lab File: BM018490.D

Acq: 10 Jan 2019 01:31

Tgt Ion:	228	Resp:	682348
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.2	36.2
229	22.7	15.6	23.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.569 ng

RT: 21.26 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM018490.D

Acq: 10 Jan 2019 01:31

Instrument :

BNA_M

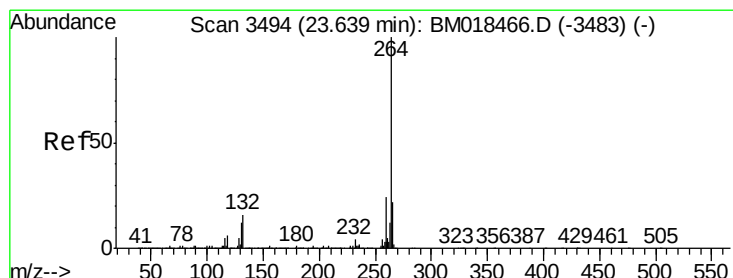
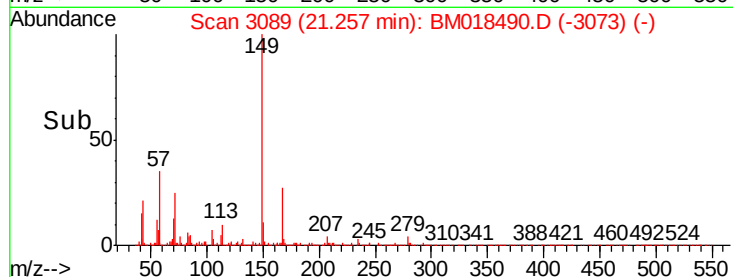
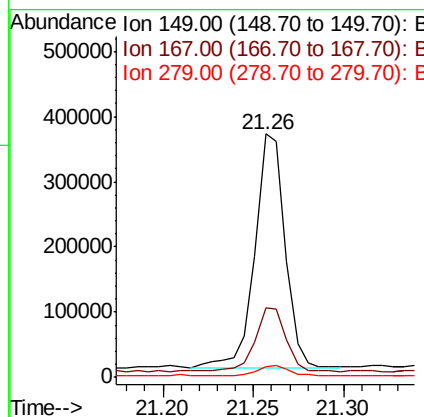
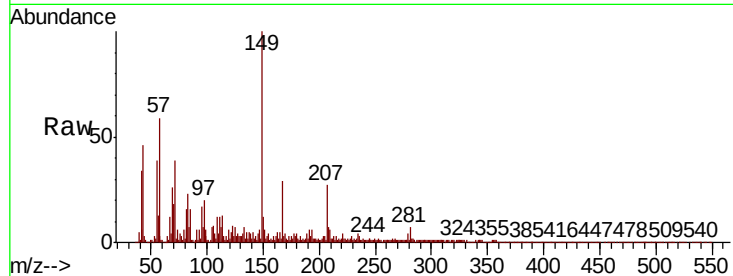
ClientSampled :

CPSB-09(20-25)

Tot Ion:	149	Resp:	414296
Ion Ratio	Lower	Upper	
149	100		
167	28.6	21.6	32.4
279	4.4	3.3	4.9

Manual Integrations
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Sohil
1/10/2019 3:50:29 PM



#87

Perylene-d12

Concen: 20.000 ng

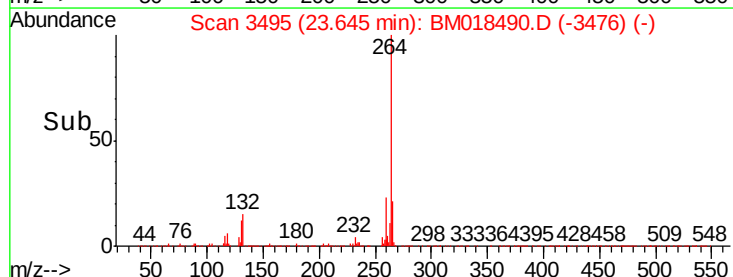
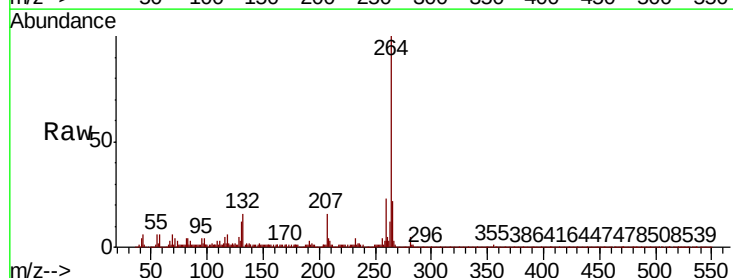
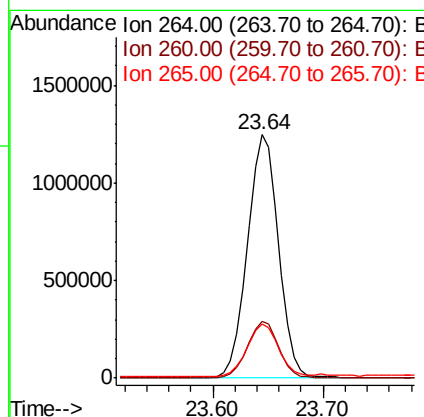
RT: 23.64 min Scan# 3495

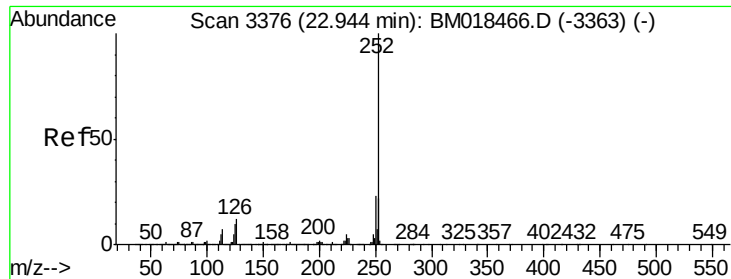
Delta R.T. 0.01 min

Lab File: BM018490.D

Acq: 10 Jan 2019 01:31

Tgt Ion:	264	Resp:	2451508
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.9	28.3
265	22.1	16.8	25.2





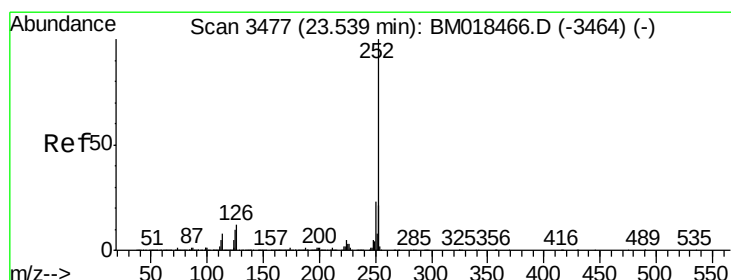
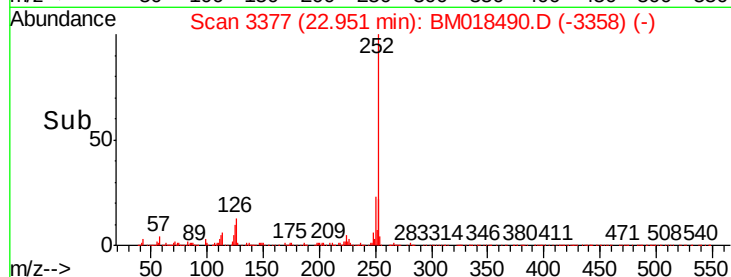
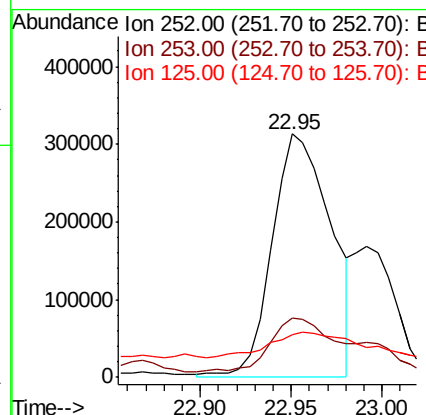
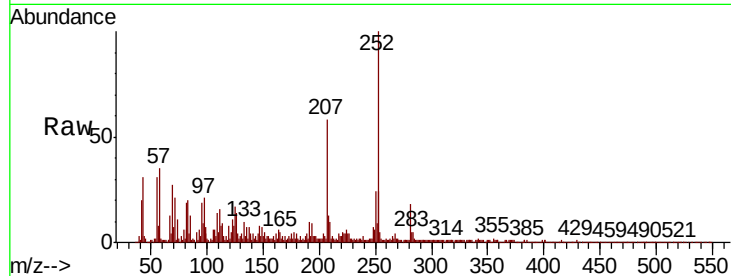
#88
Benzo(b)fluoranthene
Concen: 5.060 ng m
RT: 22.95 min Scan# 3377
Delta R.T. 0.01 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Instrument :
BNA_M
ClientSampleId :
CPSB-09(20-25)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.6	26.4
125	17.3	8.5	12.7

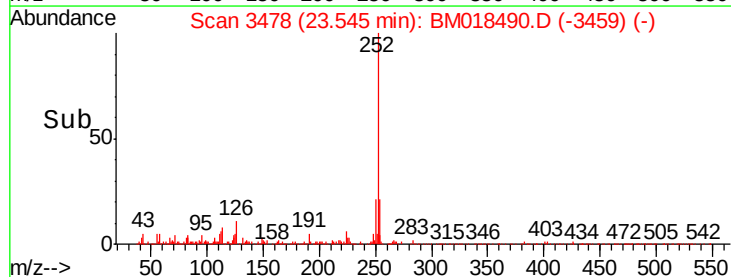
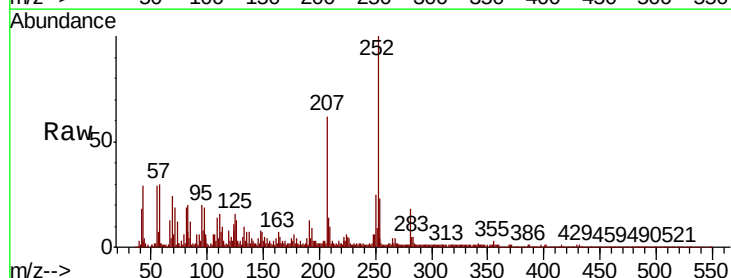
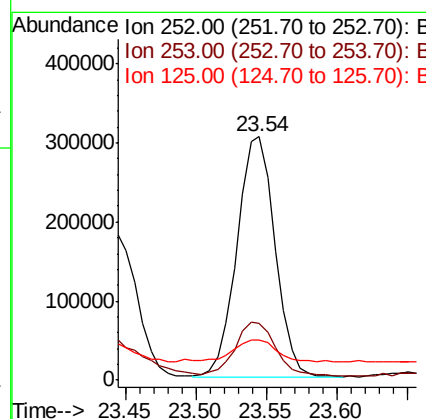
Manual Integrations
APPROVED

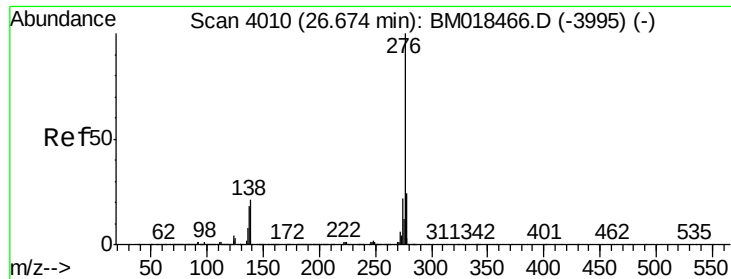
Sohil
1/10/2019 3:50:29 PM



#90
Benzo(a)pyrene
Concen: 4.272 ng
RT: 23.54 min Scan# 3478
Delta R.T. 0.01 min
Lab File: BM018490.D
Acq: 10 Jan 2019 01:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	16.4	9.7	14.5





#92
 Benzo(a,h,i)perylene
 Concen: 2.363 ng
 RT: 26.68 min Scan# 4011
 Delta R.T. 0.02 min
 Lab File: BM018490.D
 Acq: 10 Jan 2019 01:31

Instrument :
 BNA_M
 ClientSampleId :
 CPSB-09(20-25)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.0	28.4
138	23.6	18.1	27.1

Manual Integrations
 APPROVED

Sohil
 1/10/2019 3:50:29 PM

