

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
 Data File : BM018501.D
 Acq On : 10 Jan 2019 09:21
 Operator : JU/SJ
 Sample : K1044-05DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CPSB-10(10-15)DL

Manual Integrations
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Sohil
 1/10/2019 3:12:16 PM

Quant Time: Jan 10 11:05:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 10 05:57:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	653730	20.00	ng	0.00
21) Naphthalene-d8	10.55	136	2727370	20.00	ng	0.00
39) Acenaphthene-d10	14.41	164	1524114	20.00	ng	0.00
64) Phenanthrene-d10	17.16	188	3086809	20.00	ng	0.00
76) Chrysene-d12	21.36	240	2435432	20.00	ng	0.00
87) Perylene-d12	23.64	264	2487810	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	277804	7.85	ng	0.00
7) Phenol-d6	6.93	99	376787	8.38	ng	0.00
23) Nitrobenzene-d5	8.93	82	237960	5.06	ng	0.00
42) 2,4,6-Tribromophenol	15.90	330	134608	6.94	ng	0.00
45) 2-Fluorobiphenyl	13.02	172	616242	5.28	ng	0.00
79) Terphenyl-d14	19.79	244	688055	5.96	ng	0.00
Target Compounds						
52) Acenaphthene	14.47	154	305788	3.323	ng	98
58) Fluorene	15.46	166	506536	4.472	ng	97
71) Phenanthrene	17.20	178	3629493	22.106	ng	99
72) Anthracene	17.29	178	1081926	6.853	ng	99
75) Fluoranthene	19.22	202	3677282	19.426	ng	96
78) Pyrene	19.59	202	4810600	33.324	ng	99
81) Benzo(a)anthracene	21.34	228	1973639	13.756	ng	98
83) Chrysene	21.39	228	1859839	13.424	ng	98
86) Indeno(1,2,3-cd)pyrene	25.96	276	735469	4.604	ng	# 93
88) Benzo(b)fluoranthene	22.96	252	1676334m	11.869	ng	
89) Benzo(k)fluoranthene	22.99	252	509395m	3.579	ng	
90) Benzo(a)pyrene	23.54	252	1377386	10.187	ng	99
92) Benzo(a,h,i)perylene	26.67	276	734045	5.506	ng	97

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

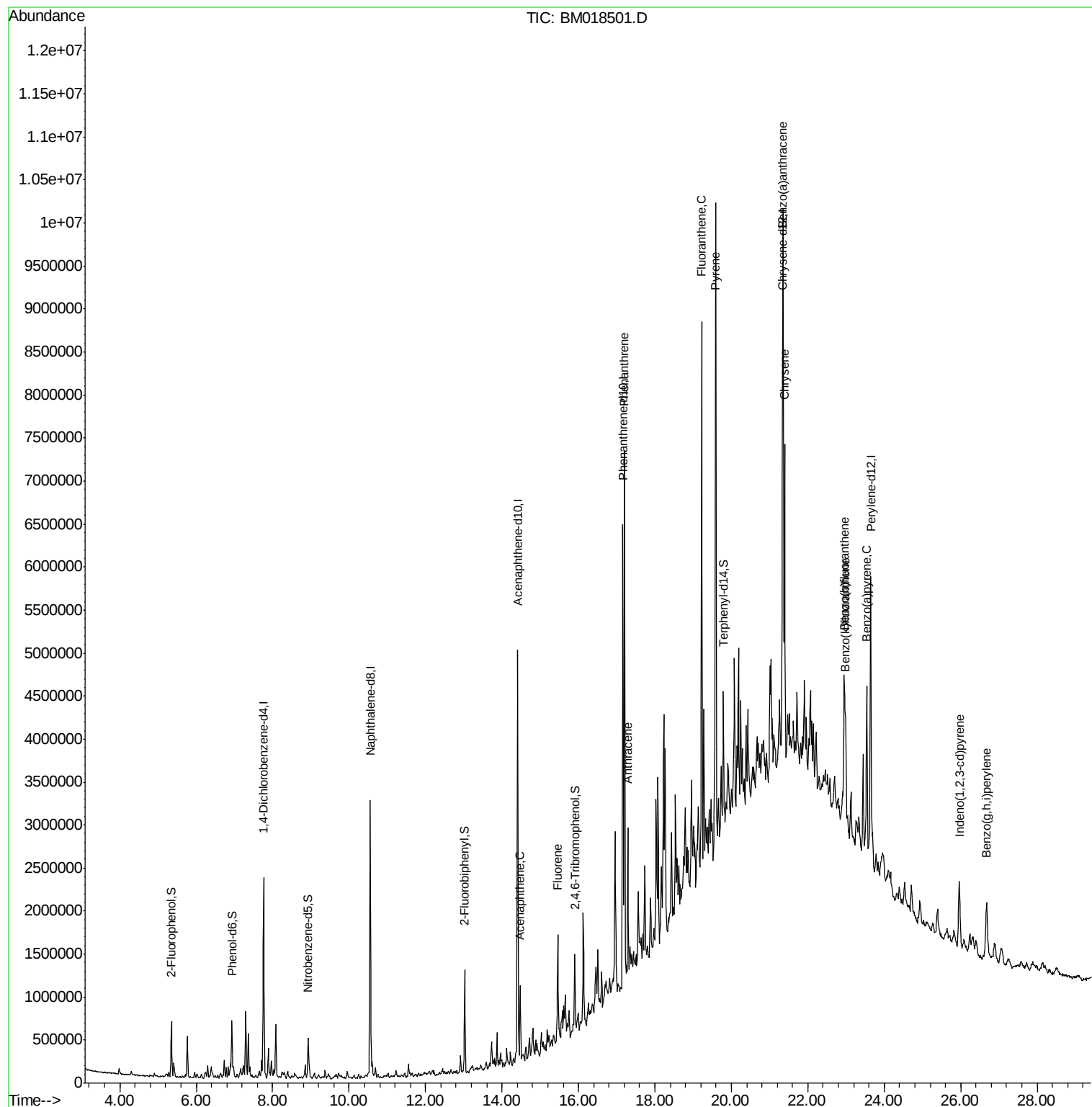
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
Data File : BM018501.D
Acq On : 10 Jan 2019 09:21
Operator : JU/SJ
Sample : K1044-05DL 10X
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ALS Vial : 29 Sample Multiplier: 1

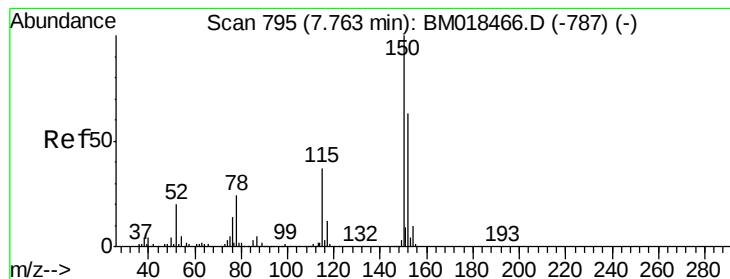
Instrument :
BNA_M
ClientSampleId :
CPSB-10(10-15)DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
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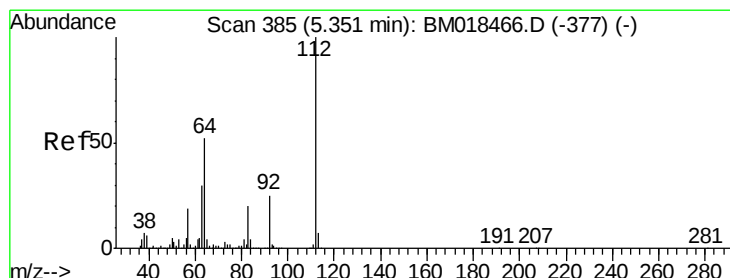
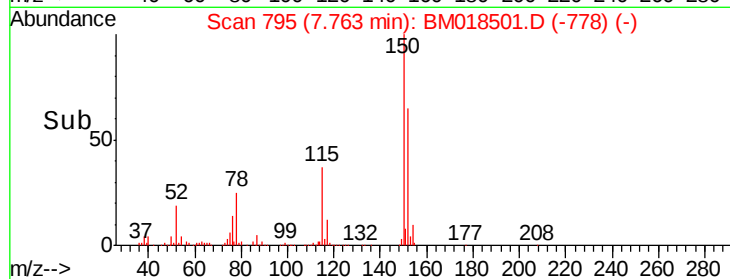
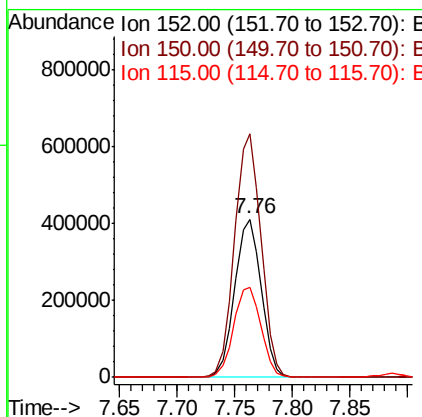
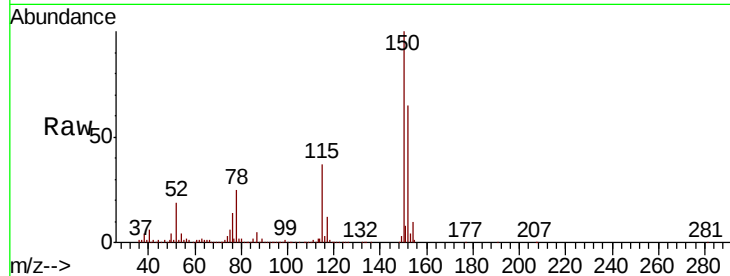
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.76 min Scan# 795
 Delta R.T. -0.00 min
 Lab File: BM018501.D
 Acq: 10 Jan 2019 09:21

Instrument :
 BNA_M
 ClientSampleId :
 CPSB-10(10-15)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.9	190.3
115	56.6	45.5	68.3

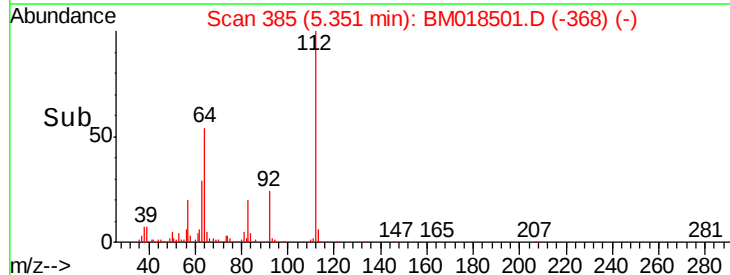
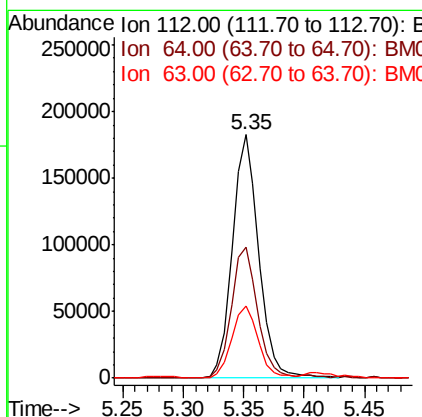
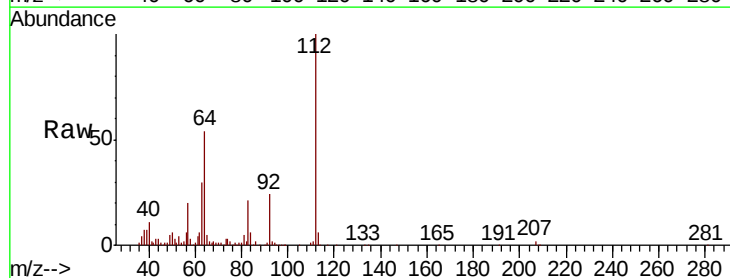
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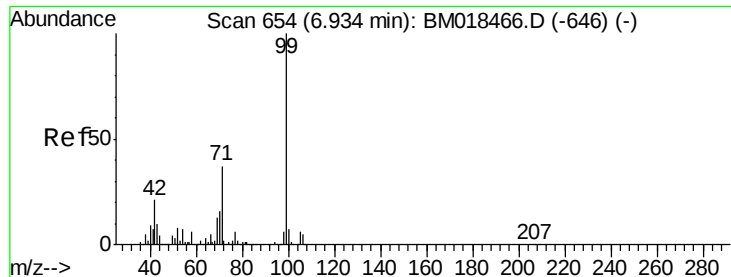
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#5
 2-Fluorophenol
 Concen: 7.847 ng
 RT: 5.35 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: BM018501.D
 Acq: 10 Jan 2019 09:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.5	69.7
63	29.5	25.2	37.8





#7

Phenol-d6

Concen: 8.379 ng

RT: 6.93 min Scan# 654

Delta R.T. -0.00 min

Lab File: BM018501.D

Acq: 10 Jan 2019 09:21

Instrument :

BNA_M

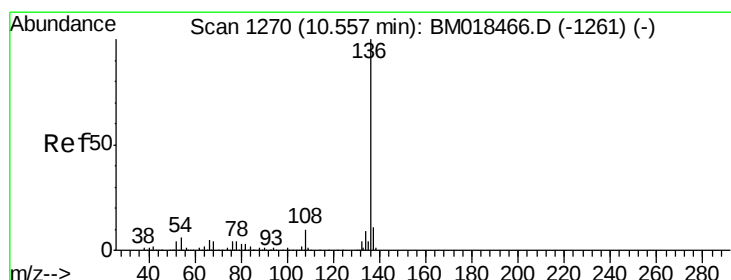
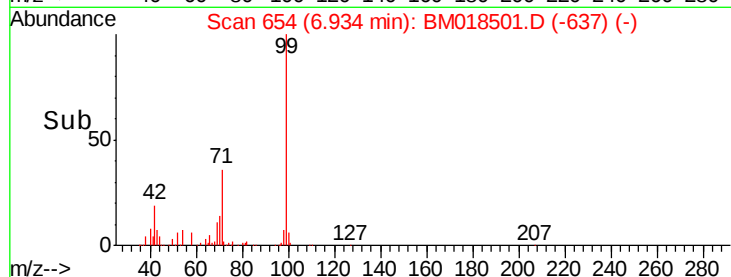
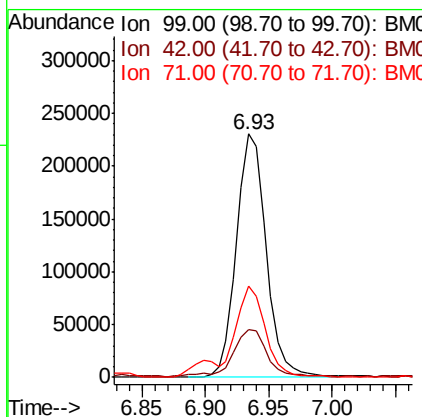
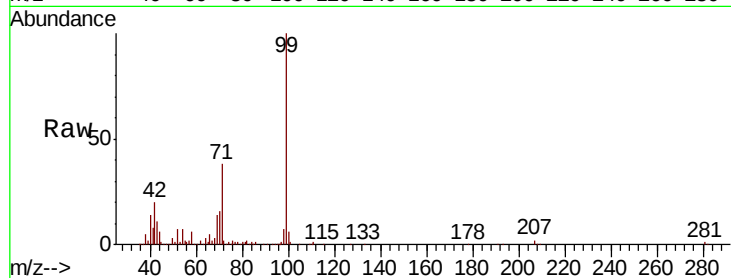
ClientSampleId :

CPSB-10(10-15)DL

Tot Ion:	99	Resp:	376787
Ion	Ratio	Lower	Upper
99	100		
42	19.7	17.3	25.9
71	37.6	28.0	42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

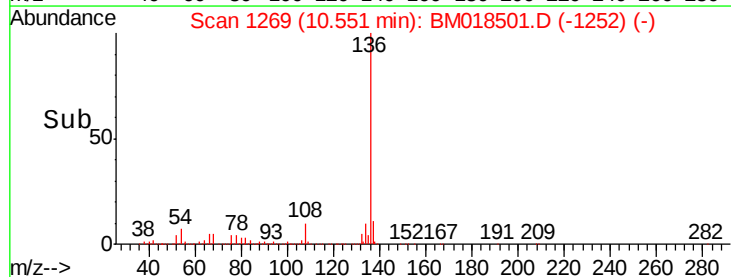
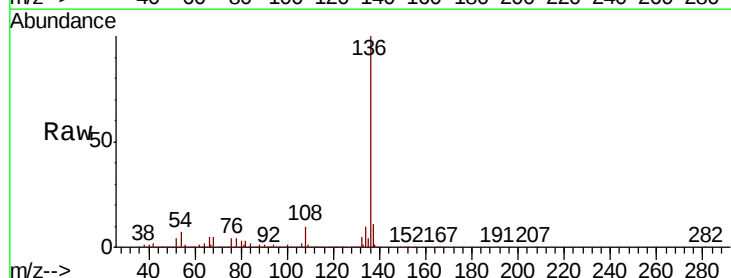
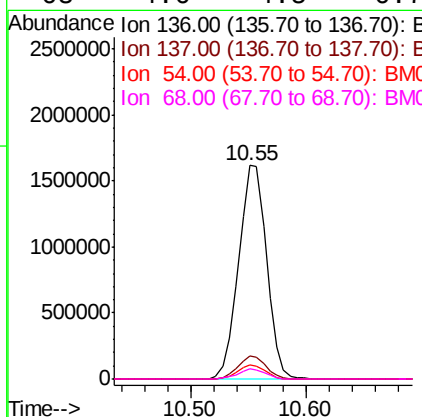
RT: 10.55 min Scan# 1269

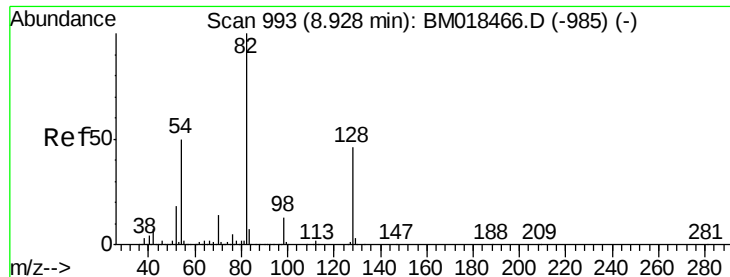
Delta R.T. -0.00 min

Lab File: BM018501.D

Acq: 10 Jan 2019 09:21

Tgt Ion:	136	Resp:	2727370
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	6.7	6.0	9.0
68	4.6	4.5	6.7





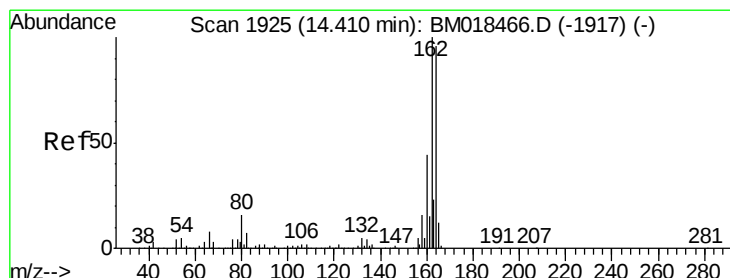
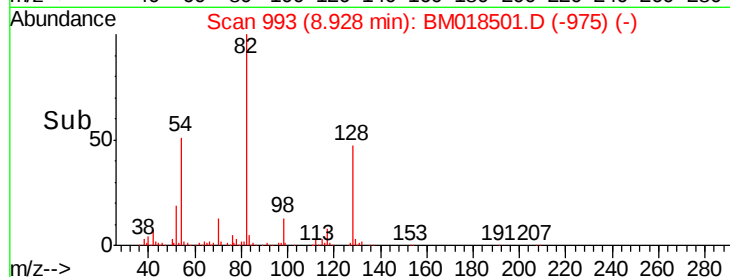
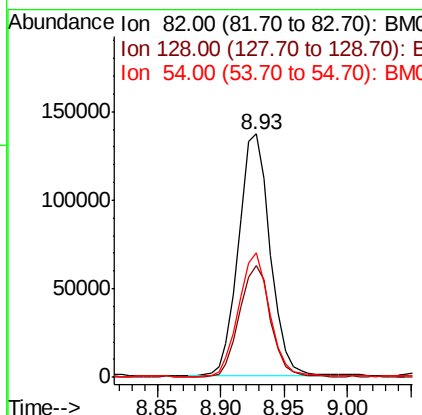
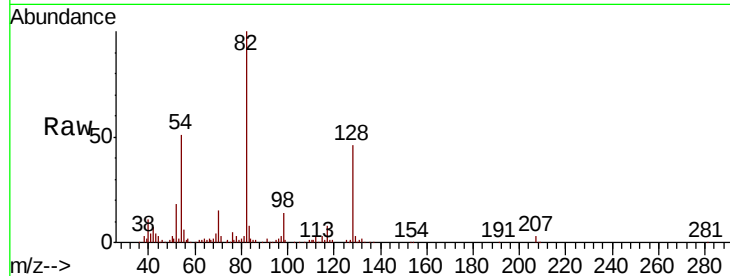
#23
Nitrobenzene-d5
Concen: 5.058 ng
RT: 8.93 min Scan# 993
Delta R.T. 0.01 min
Lab File: BM018501.D
Acq: 10 Jan 2019 09:21

Instrument :
BNA_M
ClientSampleId :
CPSB-10(10-15)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.3	54.5
54	51.2	41.7	62.5

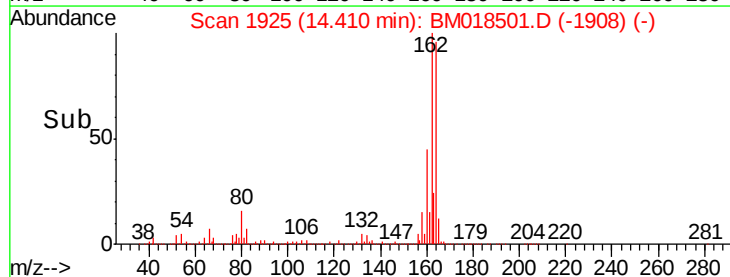
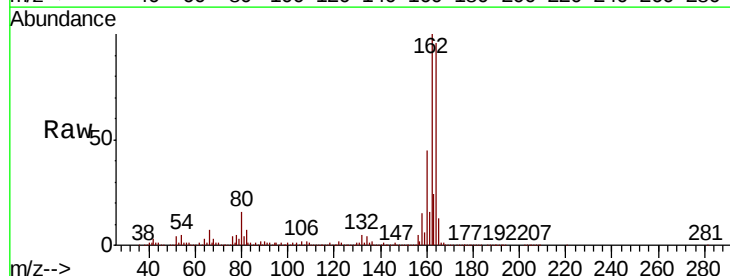
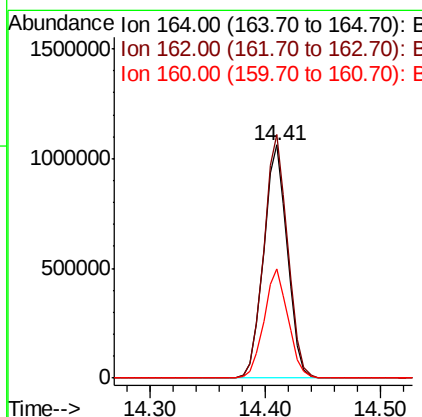
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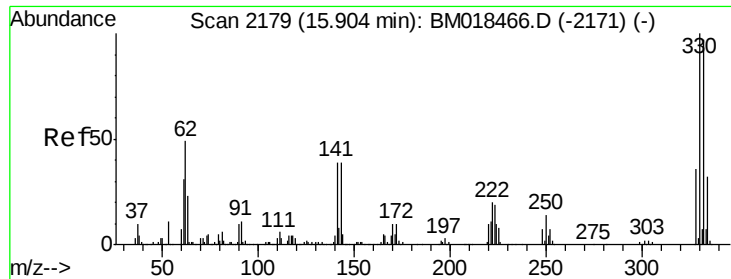
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.41 min Scan# 1925
Delta R.T. -0.00 min
Lab File: BM018501.D
Acq: 10 Jan 2019 09:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	83.0	124.4
160	46.8	37.1	55.7





#42

2,4,6-Tribromophenol

Concen: 6.936 ng

RT: 15.90 min Scan# 2179

Delta R.T. -0.00 min

Lab File: BM018501.D

Acq: 10 Jan 2019 09:21

Instrument :

BNA_M

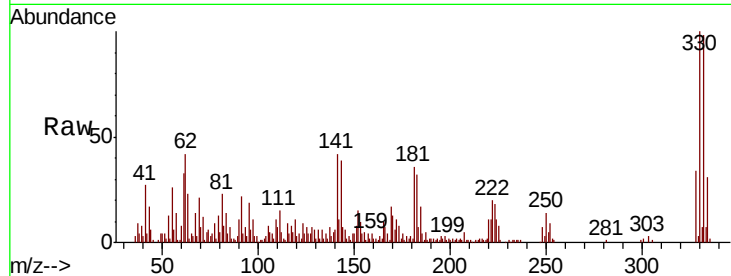
ClientSampleId :

CPSB-10(10-15)DL

Tot Ion:	330	Resp:	134608
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.6	116.4
141	38.6	31.7	47.5

Manual Integrations
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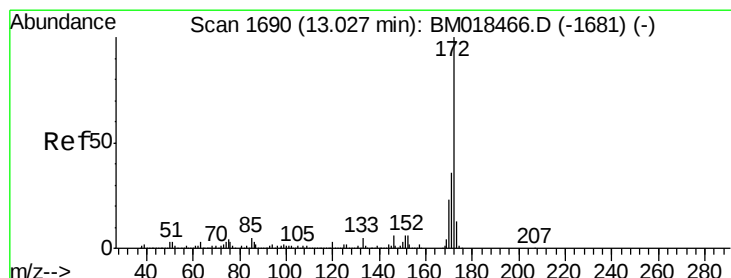
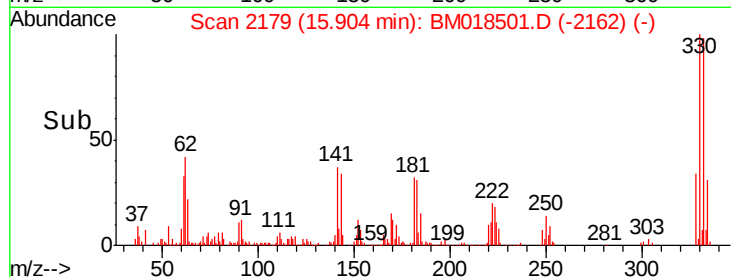
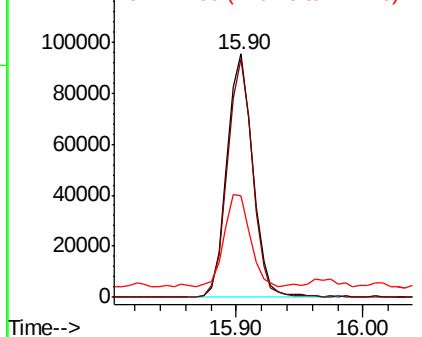


Abundance

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: 5.276 ng

RT: 13.02 min Scan# 1689

Delta R.T. -0.00 min

Lab File: BM018501.D

Acq: 10 Jan 2019 09:21

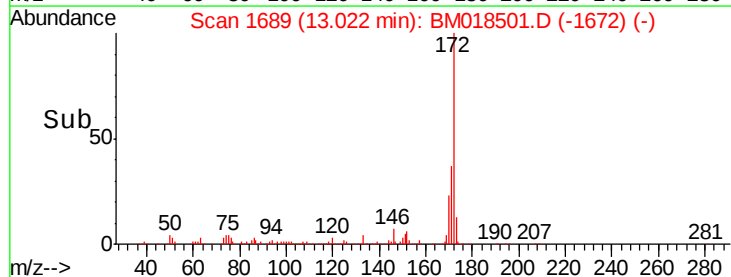
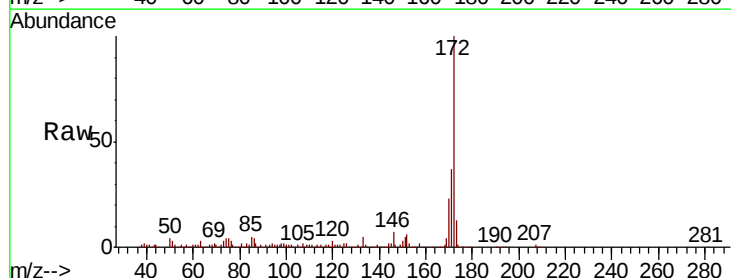
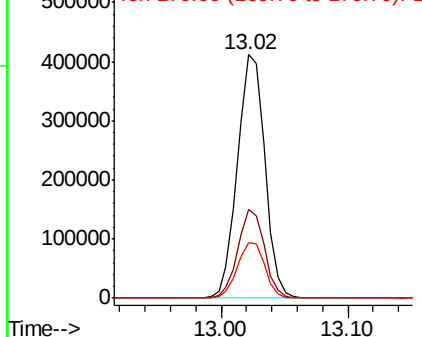
Tgt Ion:	172	Resp:	616242
Ion Ratio	Lower	Upper	
172	100		
171	36.5	28.2	42.4
170	23.0	18.9	28.3

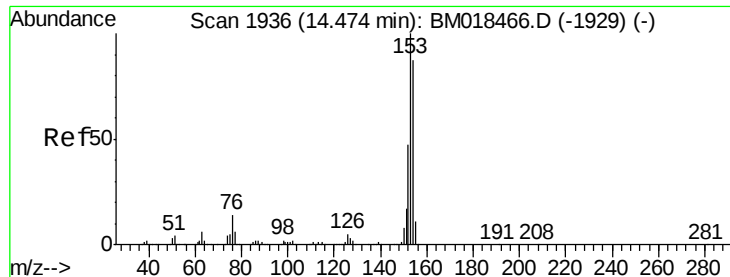
Abundance

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





#52

Acenaphthene

Concen: 3.323 ng

RT: 14.47 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BM018501.D

Acq: 10 Jan 2019 09:21

Instrument :

BNA_M

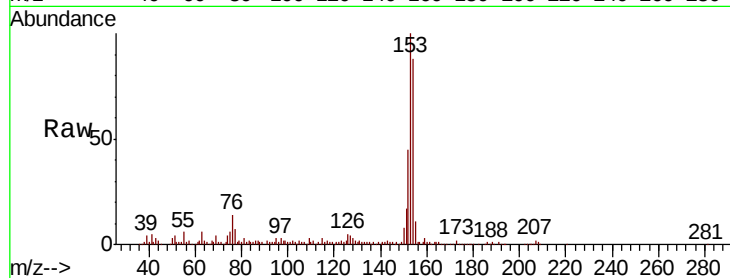
ClientSampleId :

CPSB-10(10-15)DL

Tot Ion:	154	Resp:	305788
Ion Ratio	Lower	Upper	
154	100		
153	114.3	92.3	138.5
152	51.7	43.8	65.6

Manual Integrations
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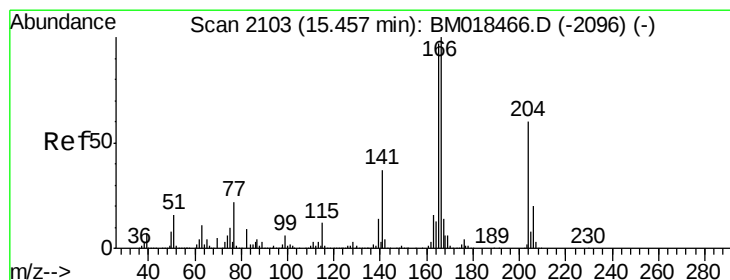
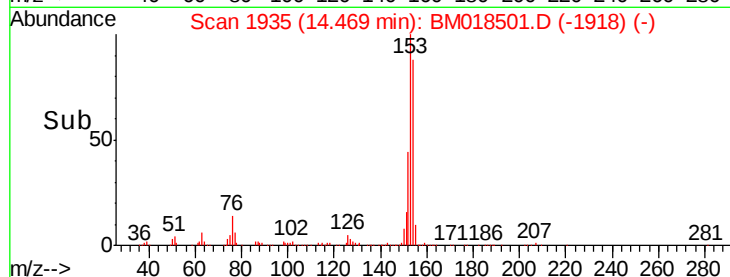
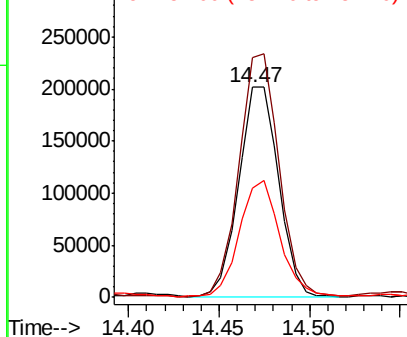


Abundance

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



#58

Fluorene

Concen: 4.472 ng

RT: 15.46 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BM018501.D

Acq: 10 Jan 2019 09:21

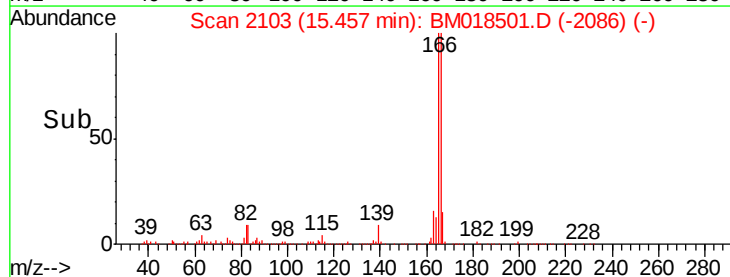
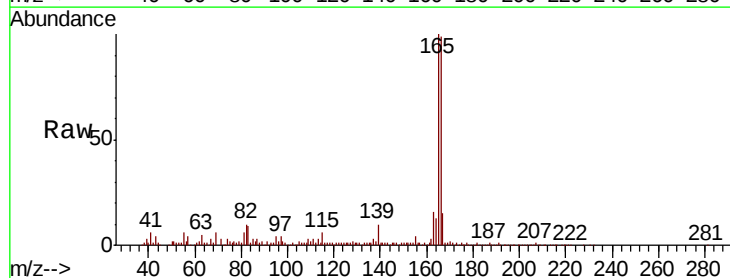
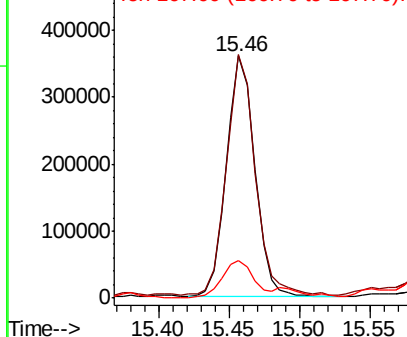
Tgt Ion:	166	Resp:	506536
Ion Ratio	Lower	Upper	
166	100		
165	100.7	78.3	117.5
167	15.6	10.9	16.3

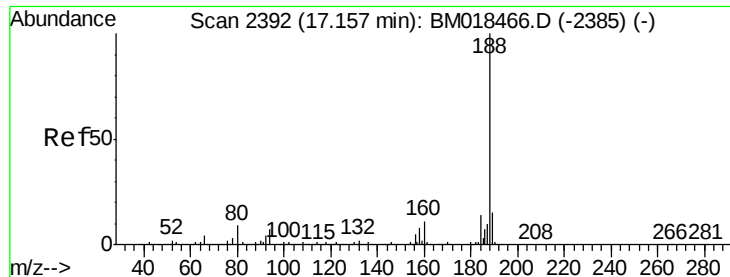
Abundance

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





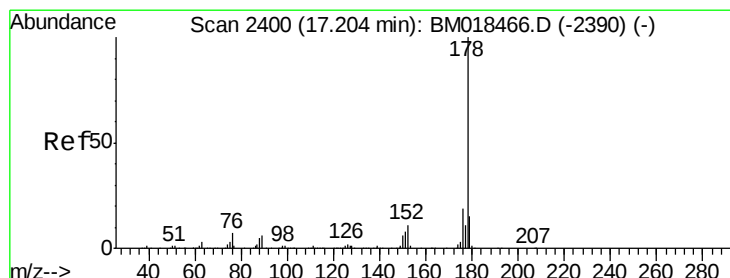
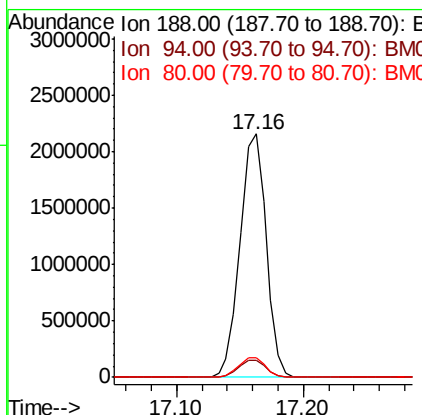
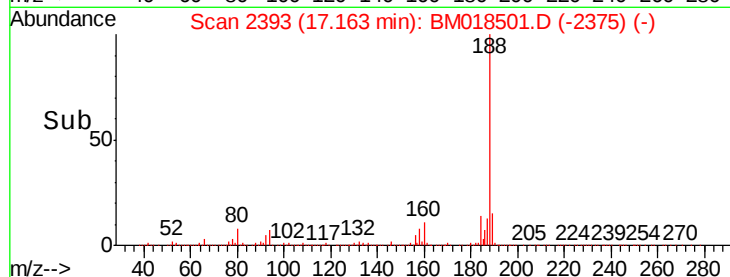
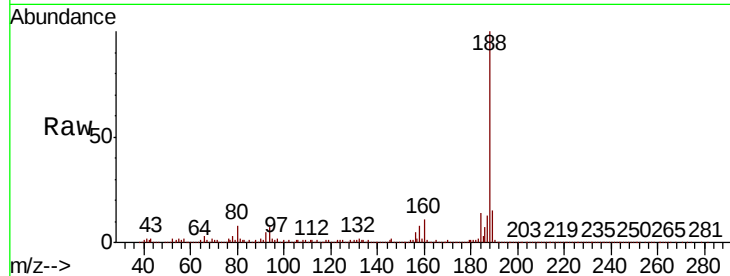
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2393
Delta R.T. 0.01 min
Lab File: BM018501.D
Acq: 10 Jan 2019 09:21

Instrument :
BNA_M
ClientSampleId :
CPSB-10(10-15)DL

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.2	7.1	10.7
80	7.9	7.6	11.4

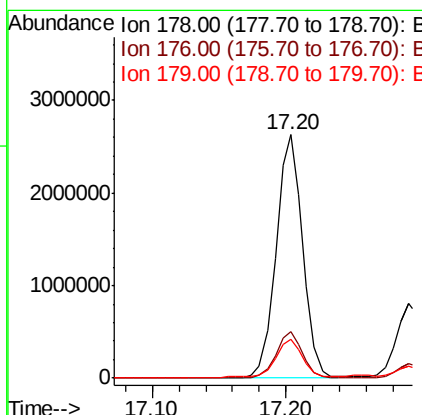
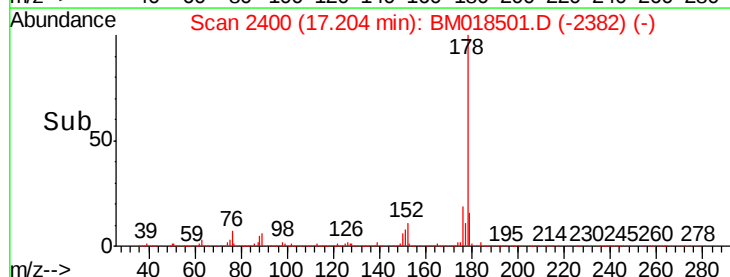
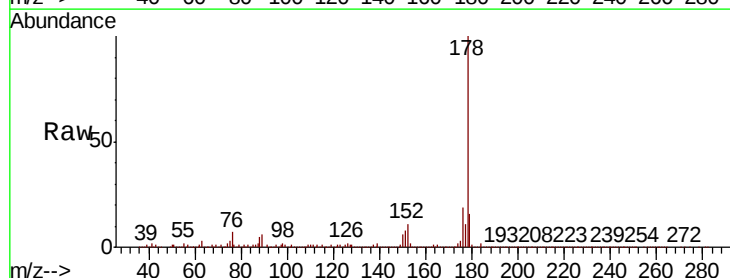
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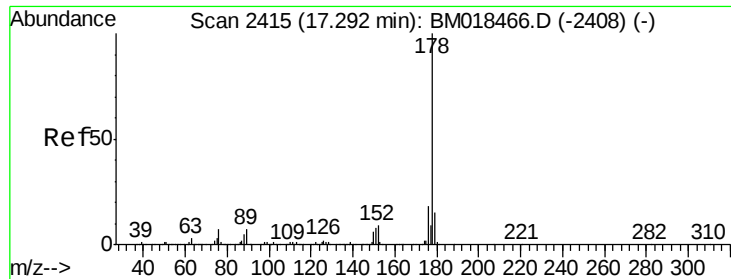
Sohil
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#71
Phenanthrene
Concen: 22.106 ng
RT: 17.20 min Scan# 2400
Delta R.T. 0.01 min
Lab File: BM018501.D
Acq: 10 Jan 2019 09:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.8	12.2	18.4





#72

Anthracene

Concen: 6.853 ng

RT: 17.29 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BM018501.D

Acq: 10 Jan 2019 09:21

Instrument :

BNA_M

ClientSampleId :

CPSB-10(10-15)DL

Tot Ion:178 Resp: 1081926

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

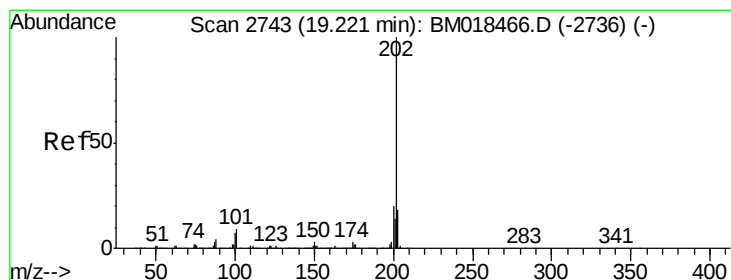
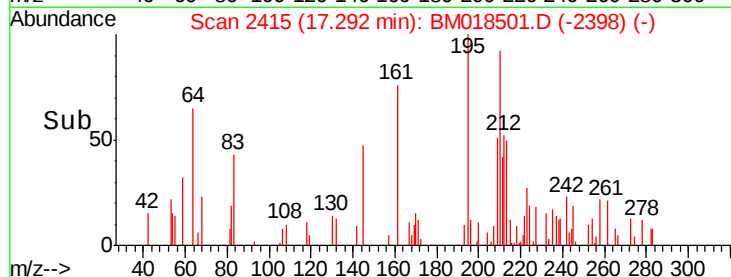
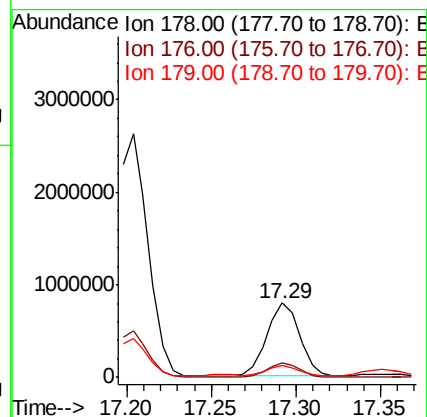
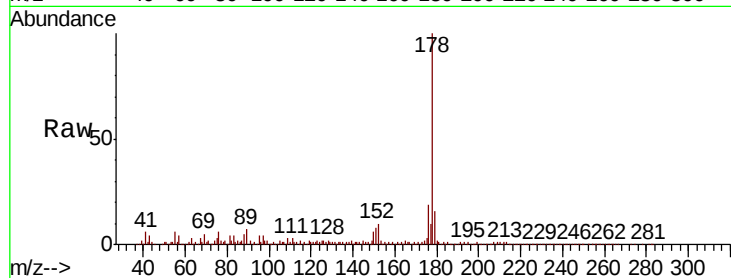
179 15.9 12.2 18.4

Manual Integrations

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#75

Fluoranthene

Concen: 19.426 ng

RT: 19.22 min Scan# 2743

Delta R.T. -0.00 min

Lab File: BM018501.D

Acq: 10 Jan 2019 09:21

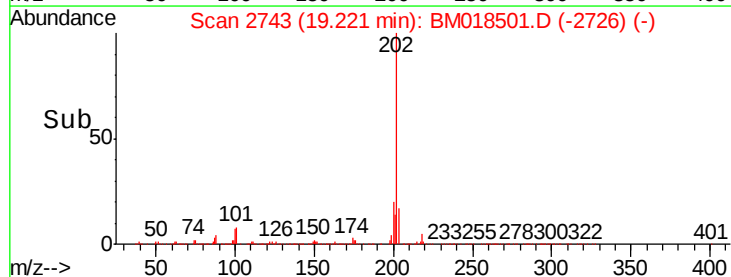
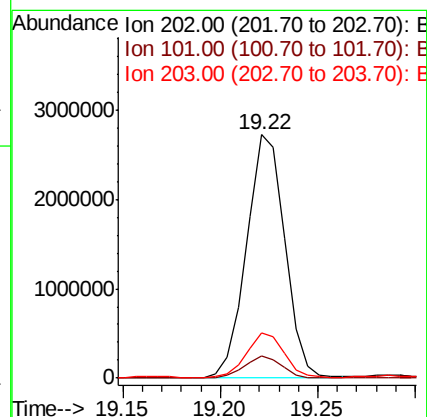
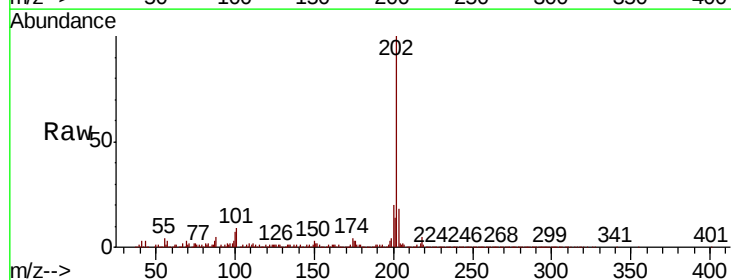
Tgt Ion:202 Resp: 3677282

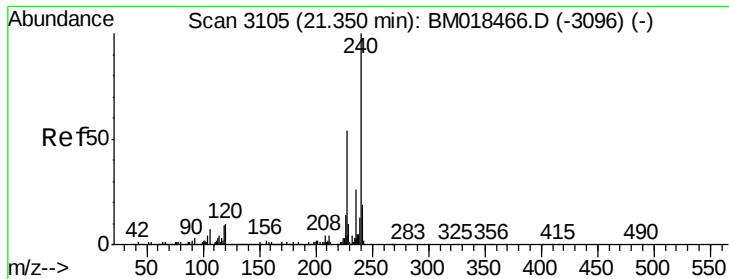
Ion Ratio Lower Upper

202 100

101 8.9 0.0 30.9

203 18.5 0.0 37.4





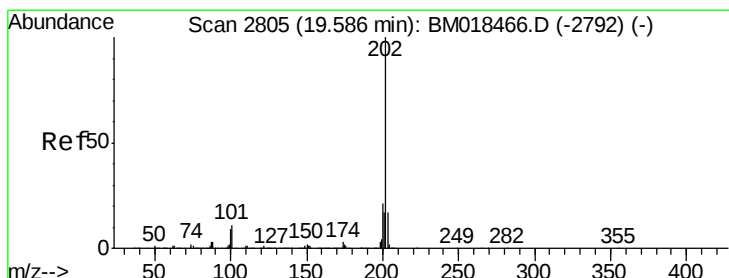
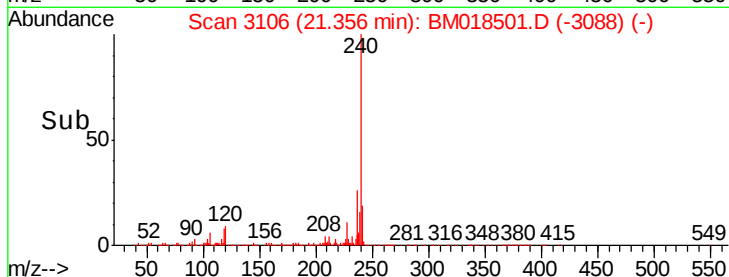
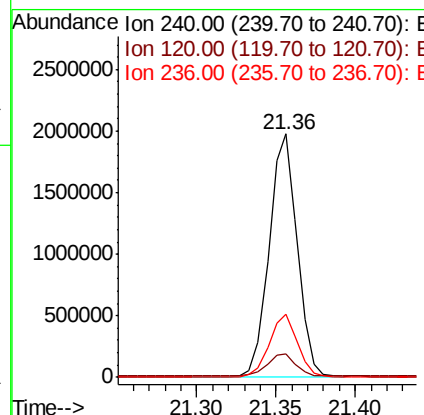
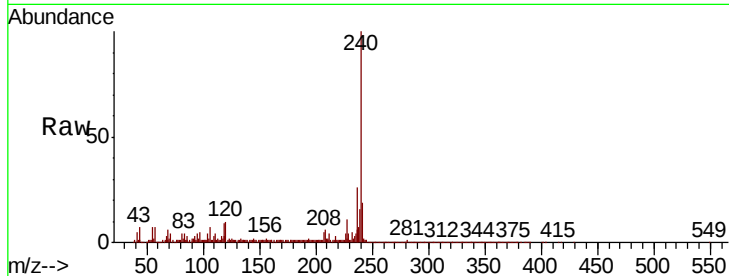
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.36 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BM018501.D
Acq: 10 Jan 2019 09:21

Instrument :
BNA_M
ClientSampleId :
CPSB-10(10-15)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.4	12.6
236	26.1	20.7	31.1

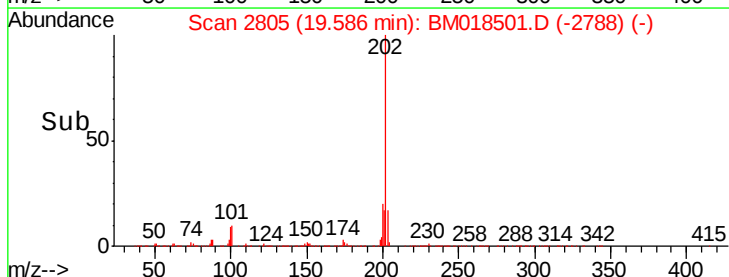
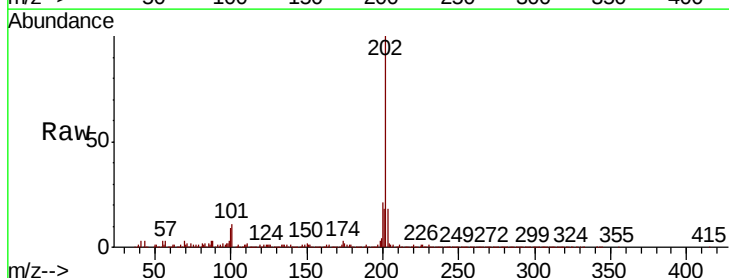
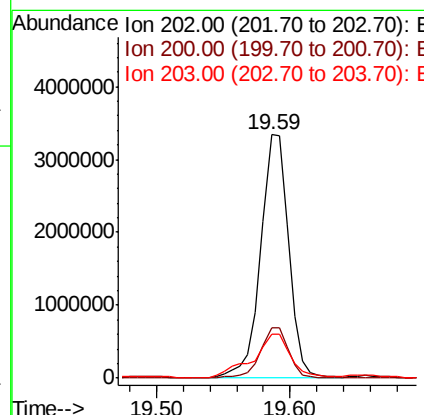
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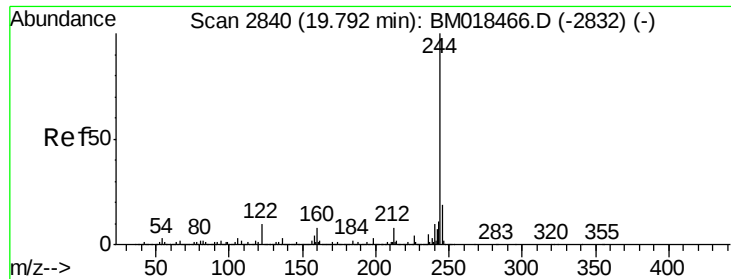
Sohil
1/10/2019 3:12:16 PM



#78
Pyrene
Concen: 33.324 ng
RT: 19.59 min Scan# 2805
Delta R.T. -0.00 min
Lab File: BM018501.D
Acq: 10 Jan 2019 09:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	24.8
203	17.9	13.8	20.8





#79

Terphenyl-d14

Concen: 5.956 ng

RT: 19.79 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BM018501.D

Acq: 10 Jan 2019 09:21

Instrument :

BNA_M

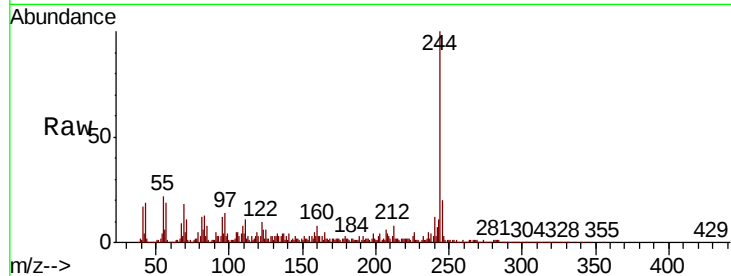
ClientSampleId :

CPSB-10(10-15)DL

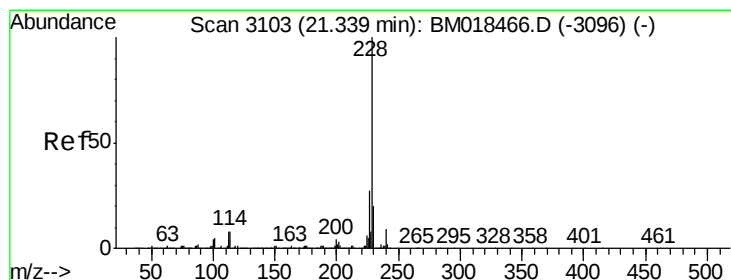
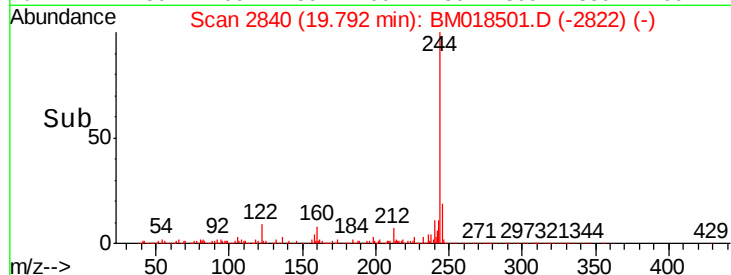
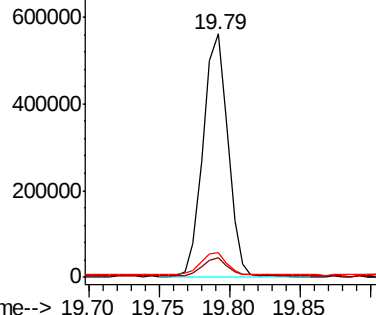
Tot Ion:	244	Resp:	688055
Ion Ratio		Lower	Upper
244	100		
212	7.9	5.9	8.9
122	10.2	9.0	13.4

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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: 13.756 ng

RT: 21.34 min Scan# 3103

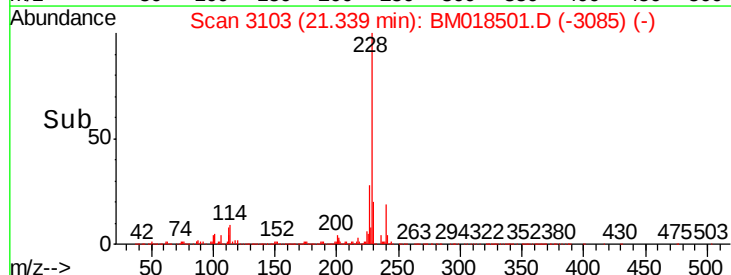
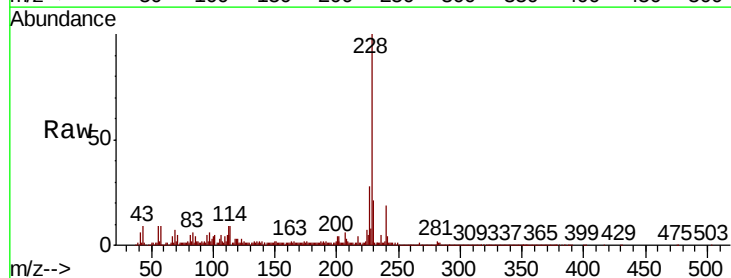
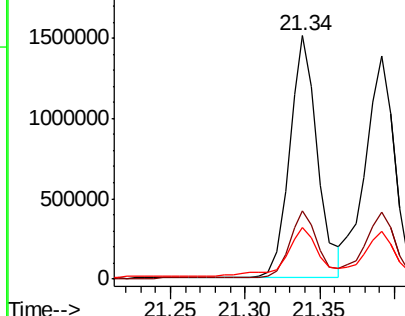
Delta R.T. 0.01 min

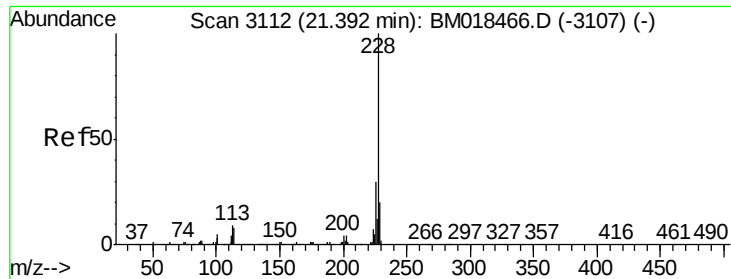
Lab File: BM018501.D

Acq: 10 Jan 2019 09:21

Tgt Ion:	228	Resp:	1973639
Ion Ratio		Lower	Upper
228	100		
226	27.9	21.8	32.6
229	21.1	15.8	23.8

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





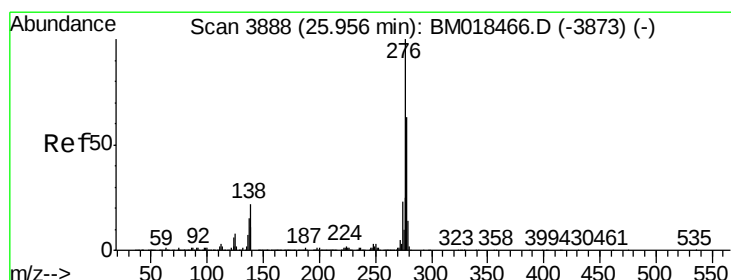
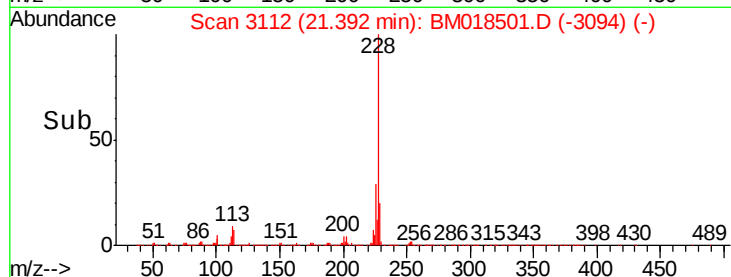
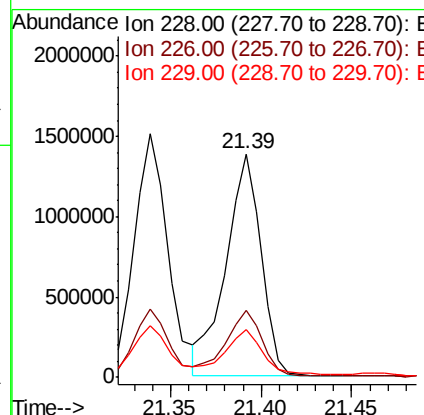
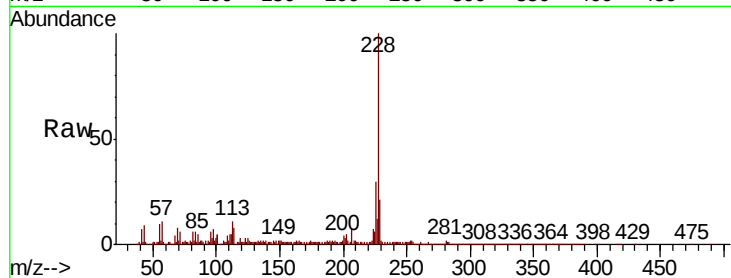
#83
Chrysene
Concen: 13.424 ng
RT: 21.39 min Scan# 3112
Delta R.T. 0.01 min
Lab File: BM018501.D
Acq: 10 Jan 2019 09:21

Instrument :
BNA_M
ClientSampleId :
CPSB-10(10-15)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	21.3	15.6	23.4

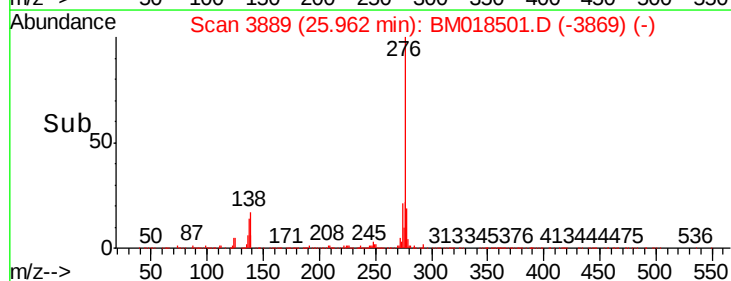
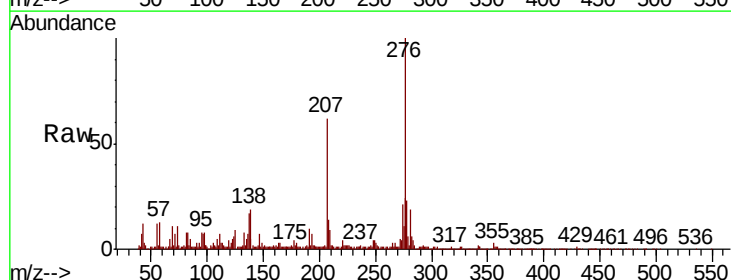
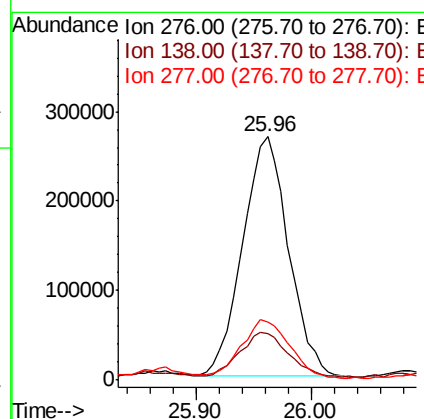
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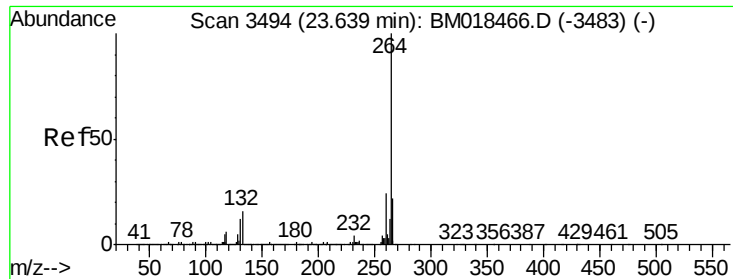
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1/10/2019 3:12:16 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.604 ng
RT: 25.96 min Scan# 3889
Delta R.T. 0.02 min
Lab File: BM018501.D
Acq: 10 Jan 2019 09:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	21.5	32.3#
277	25.1	20.2	30.2





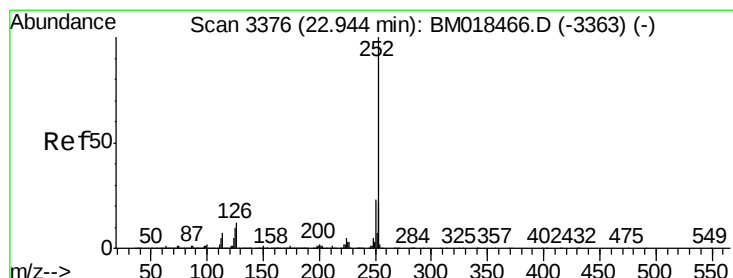
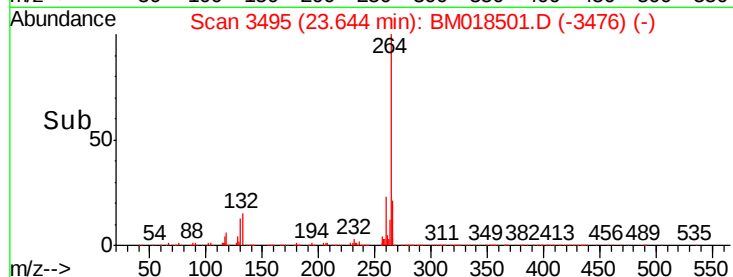
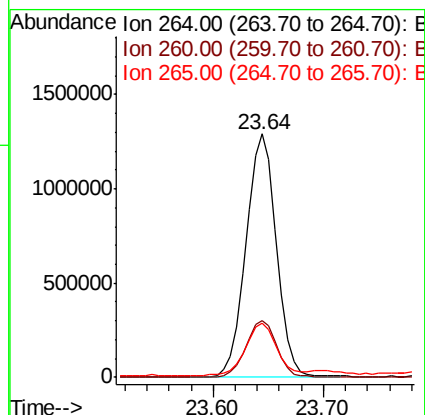
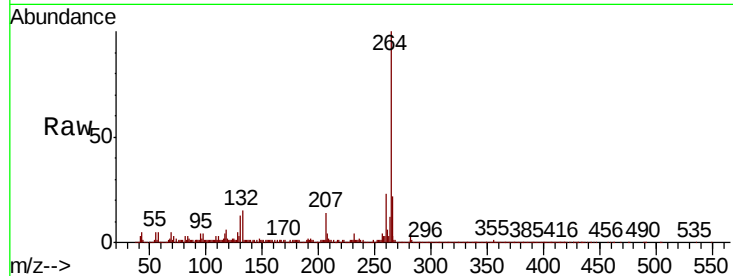
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3495
Delta R.T. 0.01 min
Lab File: BM018501.D
Acq: 10 Jan 2019 09:21

Instrument :
BNA_M
ClientSampleId :
CPSB-10(10-15)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	22.1	16.8	25.2

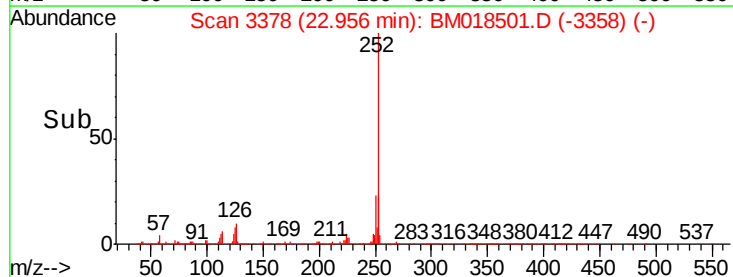
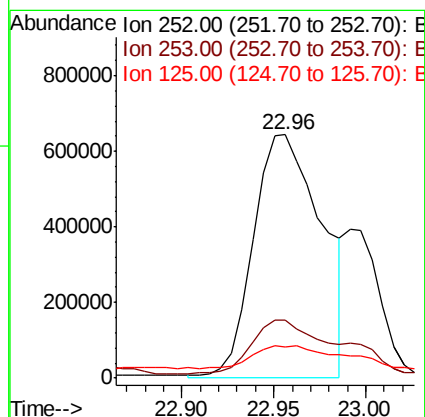
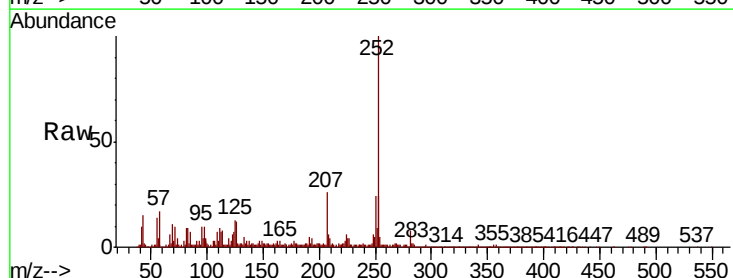
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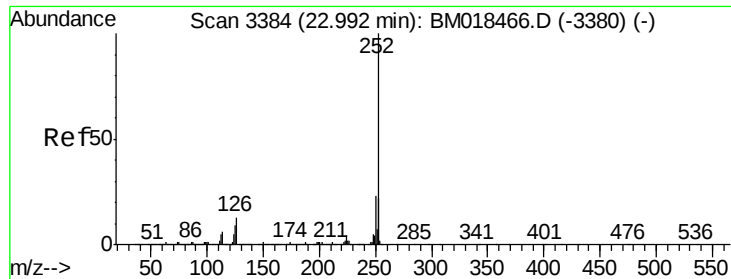
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#88
Benzo(b)fluoranthene
Concen: 11.869 ng m
RT: 22.96 min Scan# 3378
Delta R.T. 0.02 min
Lab File: BM018501.D
Acq: 10 Jan 2019 09:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.6	26.4
125	12.6	8.5	12.7





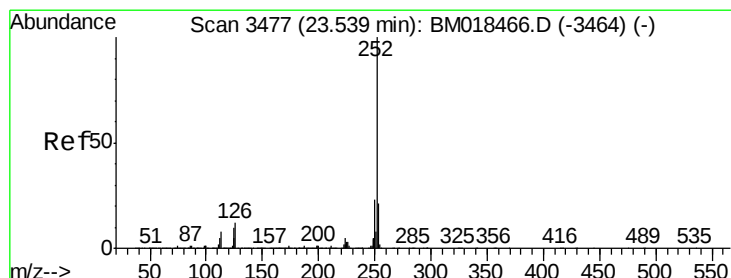
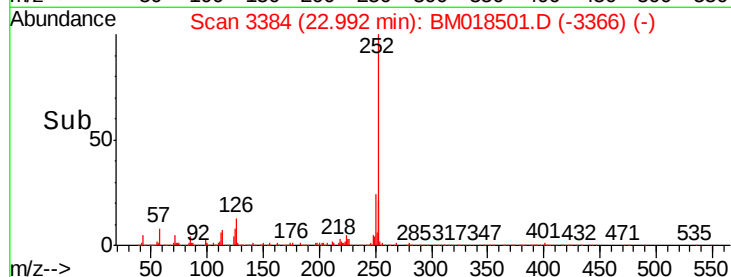
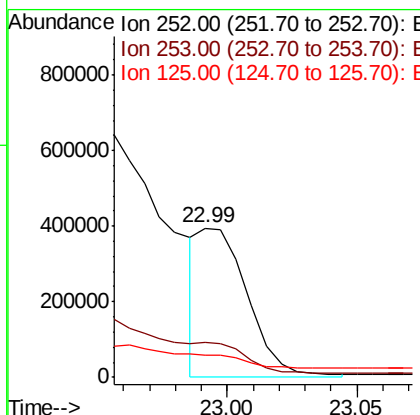
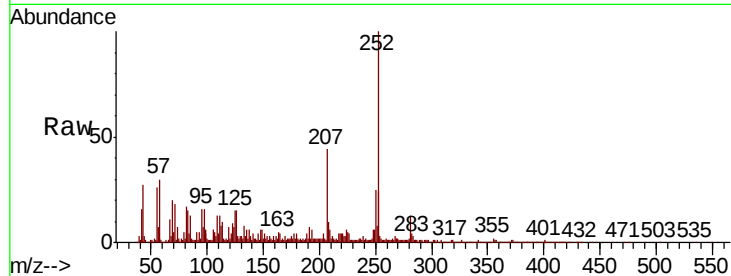
#89
Benzo(k)fluoranthene
Concen: 3.579 ng m
RT: 22.99 min Scan# 3384
Delta R.T. 0.01 min
Lab File: BM018501.D
Acq: 10 Jan 2019 09:21

Instrument :
BNA_M
ClientSampleId :
CPSB-10(10-15)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	15.3	8.6	12.8

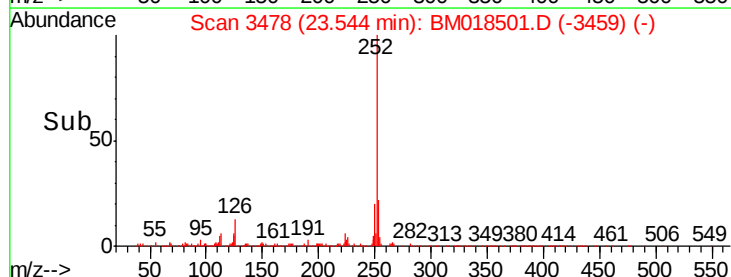
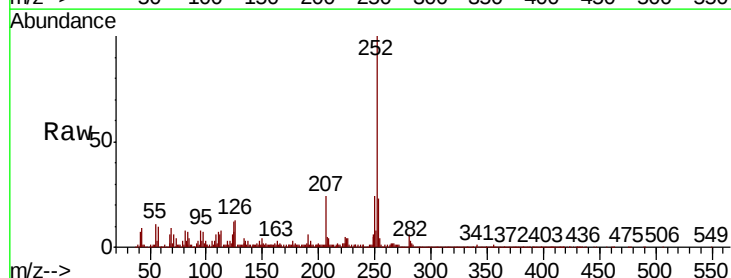
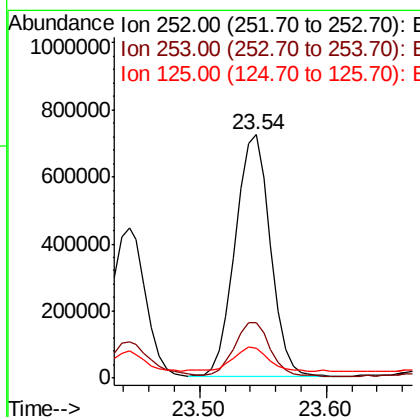
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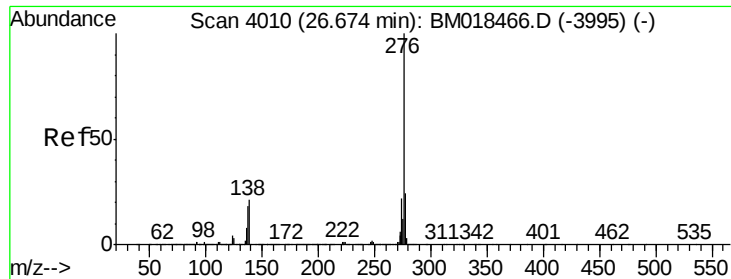
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#90
Benzo(a)pyrene
Concen: 10.187 ng
RT: 23.54 min Scan# 3478
Delta R.T. 0.01 min
Lab File: BM018501.D
Acq: 10 Jan 2019 09:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	12.1	9.7	14.5





#92
 Benzo(a,h,i)perylene
 Concen: 5.506 ng
 RT: 26.67 min Scan# 4010
 Delta R.T. 0.02 min
 Lab File: BM018501.D
 Acq: 10 Jan 2019 09:21

Instrument :
 BNA_M
 ClientSampleId :
 CPSB-10(10-15)DL

Tot Ion:	276	Resp:	734045
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.0	28.4
138	20.0	18.1	27.1

Manual Integrations
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