

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
 Data File : BM018483.D
 Acq On : 09 Jan 2019 21:18
 Operator : JU/SJ
 Sample : K1044-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CPSB-11(10-15)

Quant Time: Jan 10 05:39:40 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	564167	20.00	ng	0.00
21) Naphthalene-d8	10.56	136	2405442	20.00	ng	0.00
39) Acenaphthene-d10	14.41	164	1401402	20.00	ng	0.00
64) Phenanthrene-d10	17.16	188	3187819	20.00	ng	0.00
76) Chrysene-d12	21.36	240	2445339	20.00	ng	0.00
87) Perylene-d12	23.65	264	2325070	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	2843207	93.06	ng	0.00
7) Phenol-d6	6.94	99	3824563	98.55	ng	0.00
23) Nitrobenzene-d5	8.93	82	2396270	57.75	ng	0.00
42) 2,4,6-Tribromophenol	15.91	330	1625832	91.11	ng	0.00
45) 2-Fluorobiphenyl	13.03	172	6180787	57.55	ng	0.00
79) Terphenyl-d14	19.80	244	8185281	70.56	ng	0.01

Target Compounds

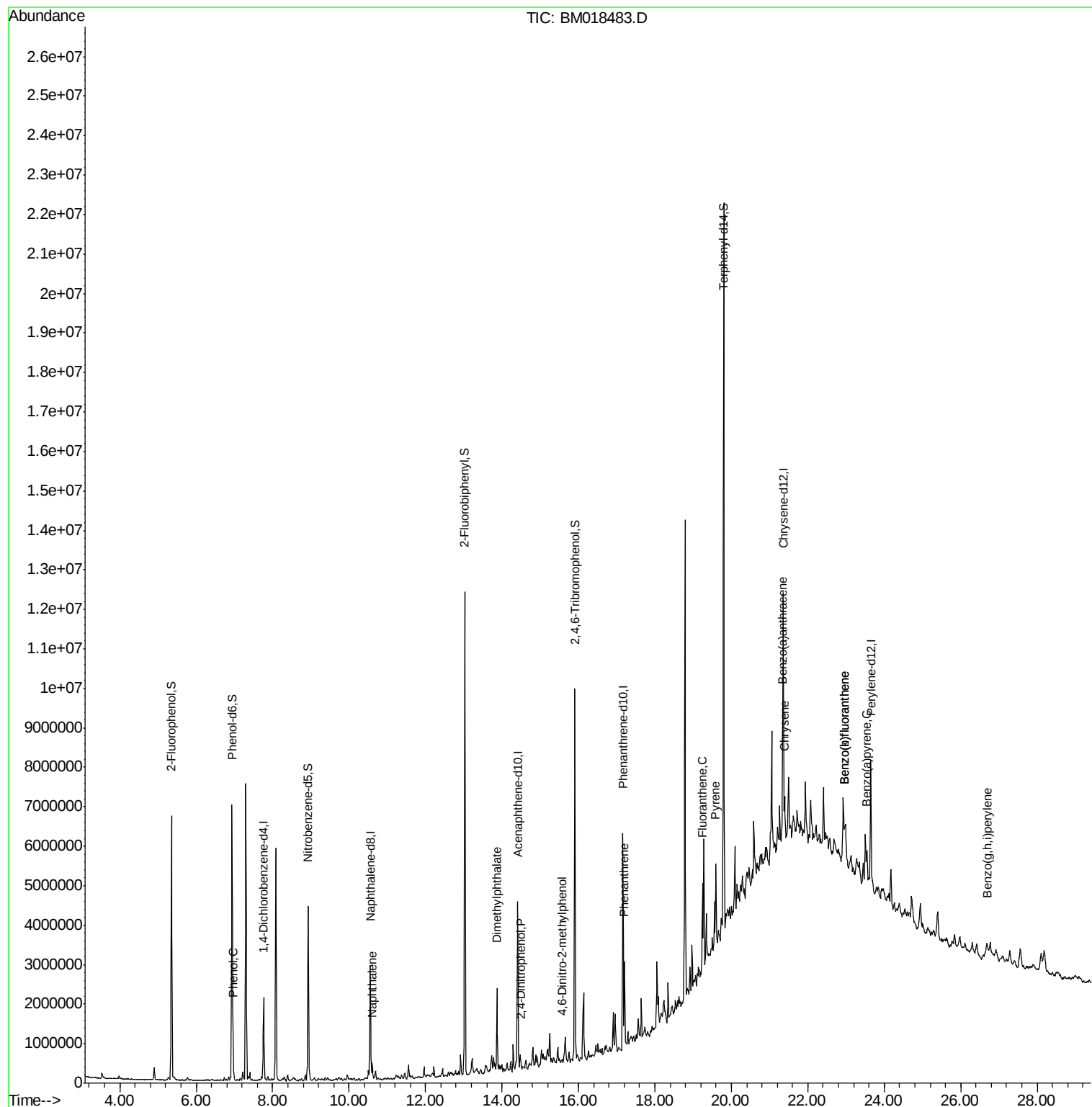
						Qvalue
10) Phenol	6.97	94	202997	5.148	ng	96
31) Naphthalene	10.60	128	311602	2.690	ng	97
50) Dimethylphthalate	13.87	163	884339	7.684	ng	99
54) 2,4-Dinitrophenol	14.50	184	115	7.210	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.57	198	1935	5.478	ng	# 1
71) Phenanthrene	17.20	178	1238301	7.303	ng	99
75) Fluoranthene	19.24	202	1433101	7.331	ng	98
78) Pyrene	19.59	202	1239532	8.552	ng	98
81) Benzo(a)anthracene	21.34	228	514159	3.569	ng	# 93
83) Chrysene	21.39	228	507727	3.650	ng	# 94
88) Benzo(b)fluoranthene	22.96	252	820445	6.216	ng	# 80
89) Benzo(k)fluoranthene	22.96	252	812817	6.110	ng	# 80
90) Benzo(a)pyrene	23.55	252	435878	3.449	ng	# 80
92) Benzo(a,h,i)perylene	26.69	276	290471	2.331	ng	92

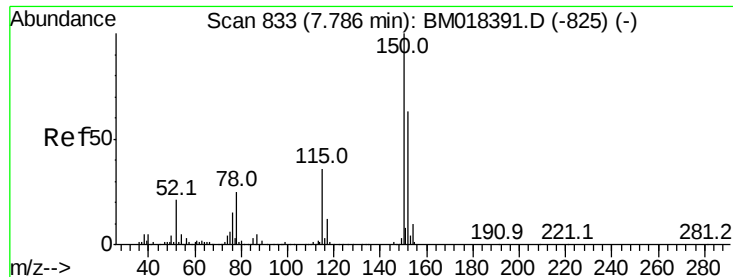
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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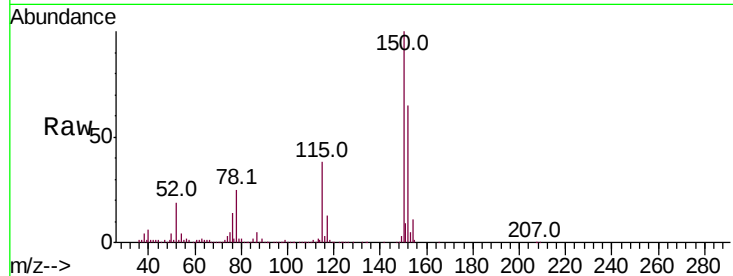


#1

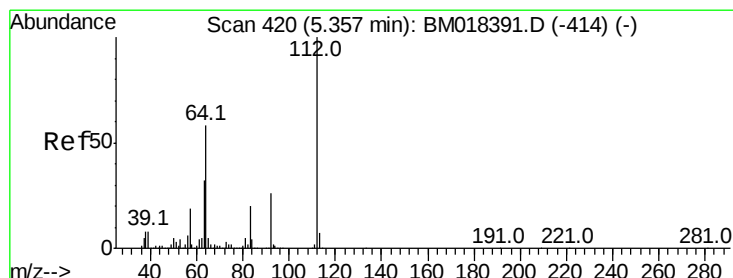
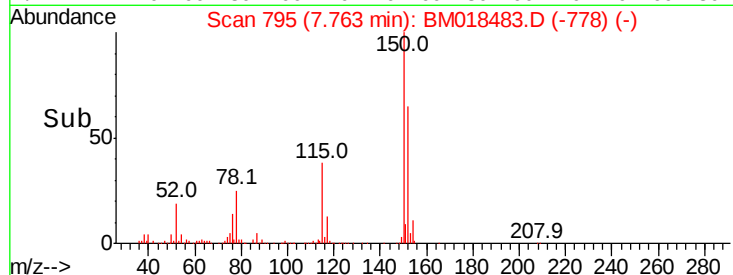
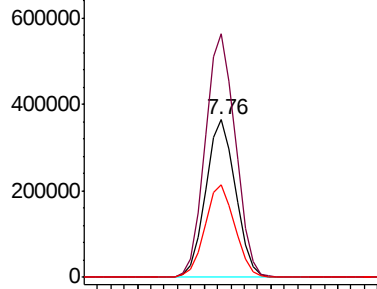
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 795
Delta R.T. -0.00 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

Instrument :
BNA_M
ClientSampleId :
CPSB-11(10-15)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.9	190.3
115	58.8	45.5	68.3



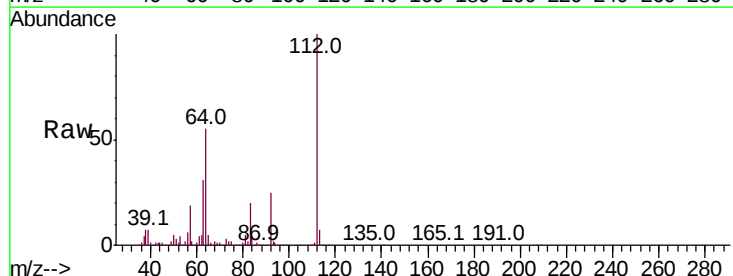
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



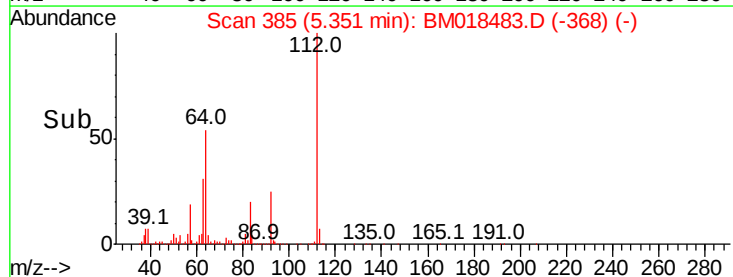
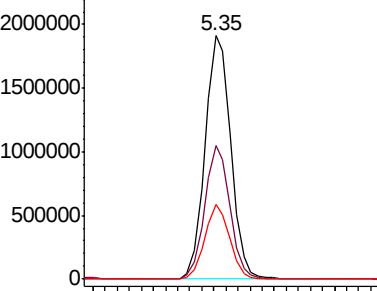
#5

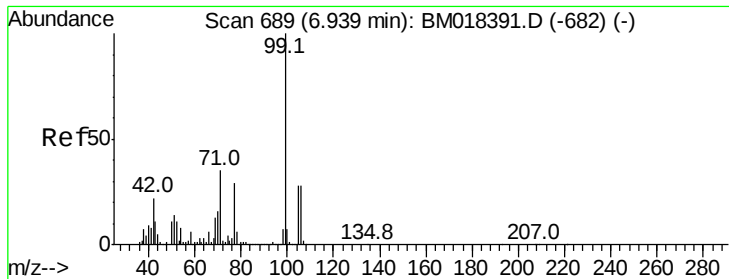
2-Fluorophenol
Concen: 93.057 ng
RT: 5.35 min Scan# 385
Delta R.T. -0.00 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	46.5	69.7
63	30.6	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





#7

Phenol-d6

Concen: 98.555 ng

RT: 6.94 min Scan# 655

Delta R.T. 0.01 min

Lab File: BM018483.D

Acq: 09 Jan 2019 21:18

Instrument :

BNA_M

ClientSampleId :

CPSB-11(10-15)

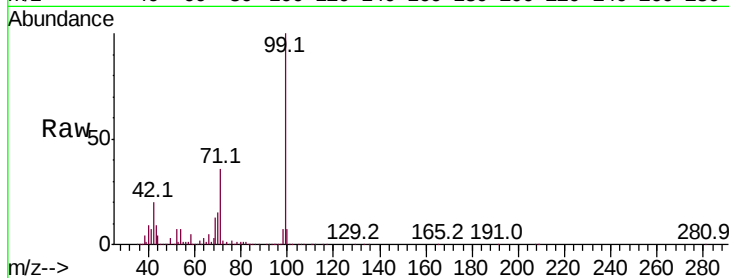
Tot Ion: 99 Resp: 3824563

Ion Ratio Lower Upper

99 100

42 19.5 17.3 25.9

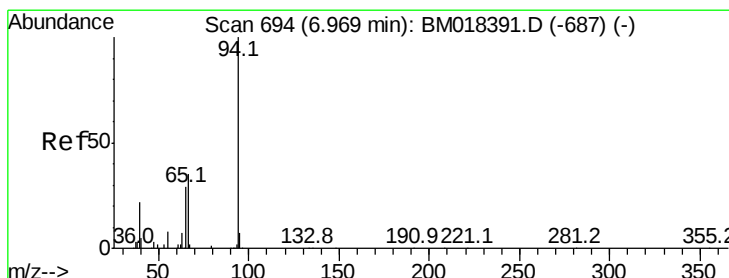
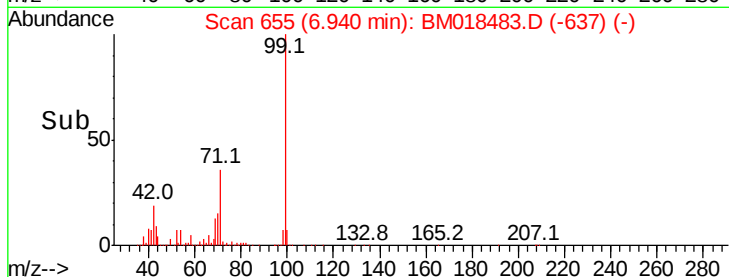
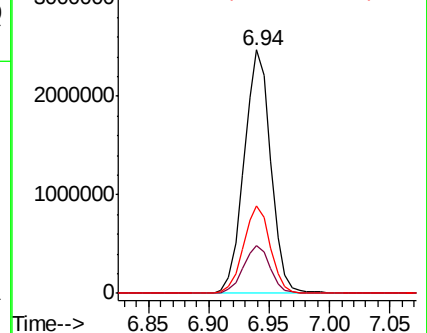
71 36.0 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM018391.D (-682) (-)

Ion 42.00 (41.70 to 42.70): BM018391.D (-682) (-)

Ion 71.00 (70.70 to 71.70): BM018391.D (-682) (-)



#10

Phenol

Concen: 5.148 ng

RT: 6.97 min Scan# 660

Delta R.T. 0.01 min

Lab File: BM018483.D

Acq: 09 Jan 2019 21:18

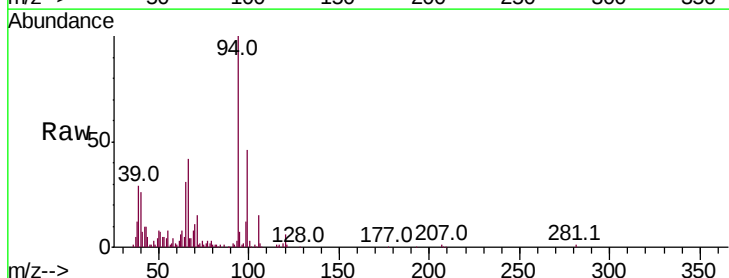
Tgt Ion: 94 Resp: 202997

Ion Ratio Lower Upper

94 100

65 31.2 9.4 49.4

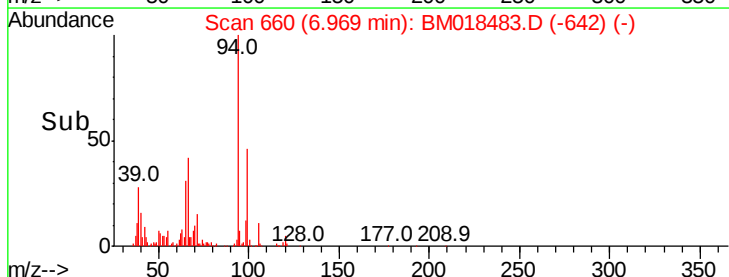
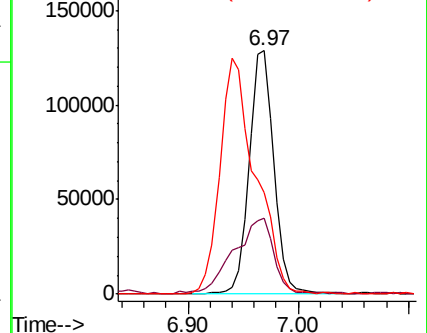
66 41.8 19.1 59.1

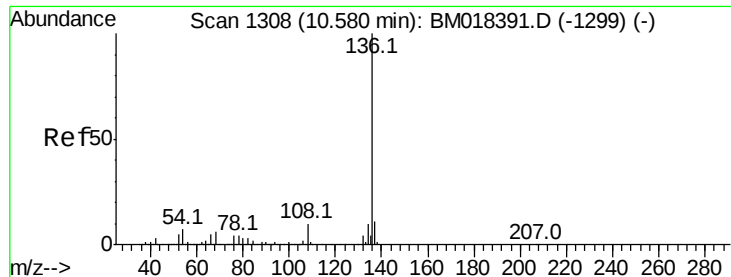


Abundance Ion 94.00 (93.70 to 94.70): BM018391.D (-687) (-)

Ion 65.00 (64.70 to 65.70): BM018391.D (-687) (-)

Ion 66.00 (65.70 to 66.70): BM018391.D (-687) (-)

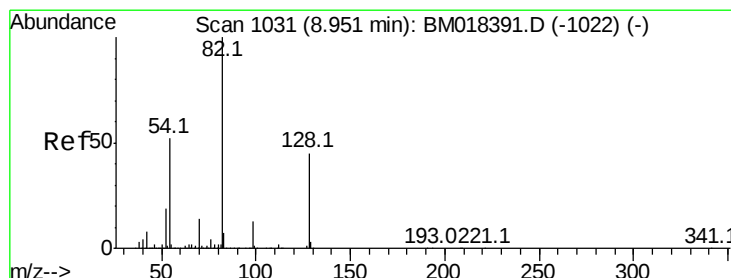
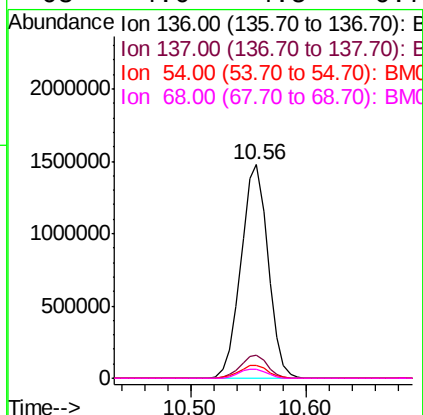
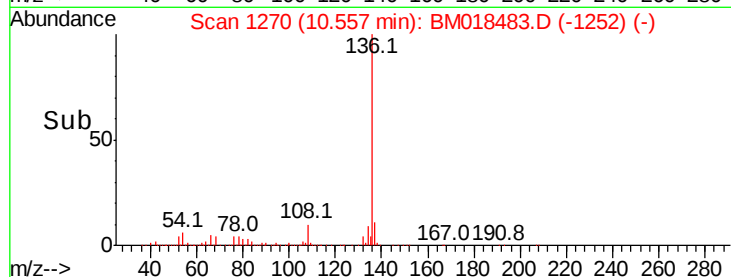
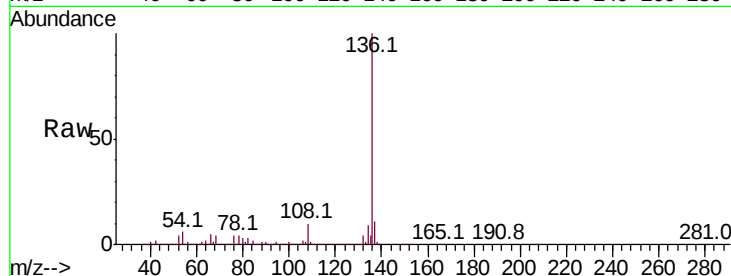




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.56 min Scan# 1270
Delta R.T. 0.01 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

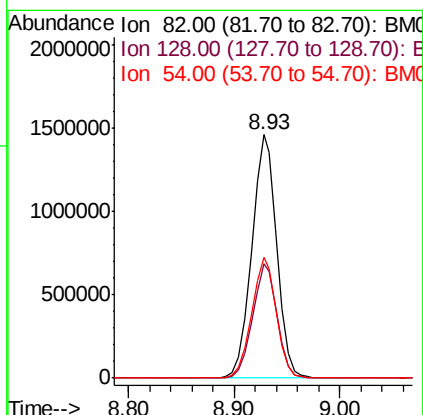
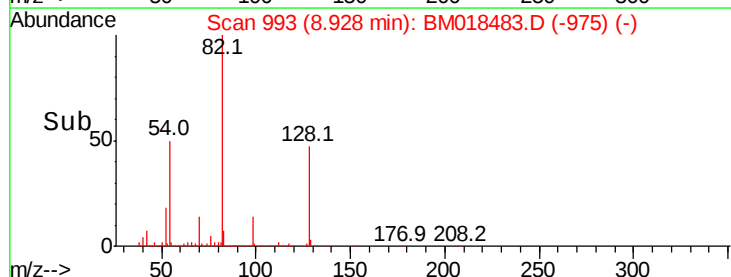
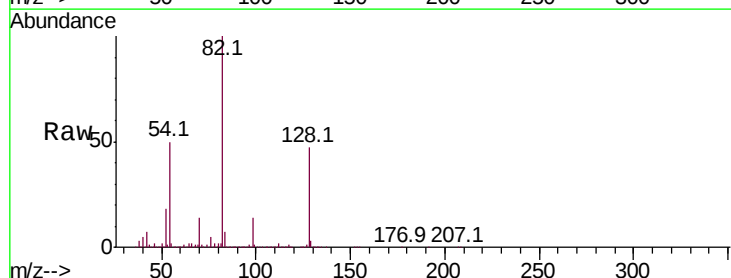
Instrument :
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ClientSampleId :
CPSB-11(10-15)

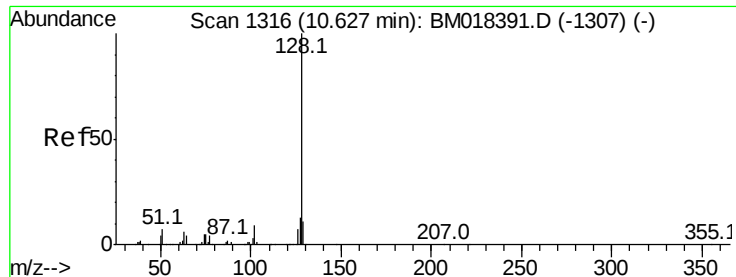
Tot Ion:136 Resp: 2405442
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 6.2 6.0 9.0
68 4.0 4.5 6.7#



#23
Nitrobenzene-d5
Concen: 57.750 ng
RT: 8.93 min Scan# 993
Delta R.T. 0.01 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

Tgt Ion: 82 Resp: 2396270
Ion Ratio Lower Upper
82 100
128 47.1 36.3 54.5
54 49.7 41.7 62.5

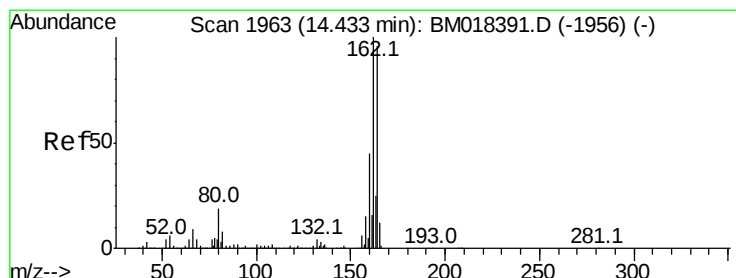
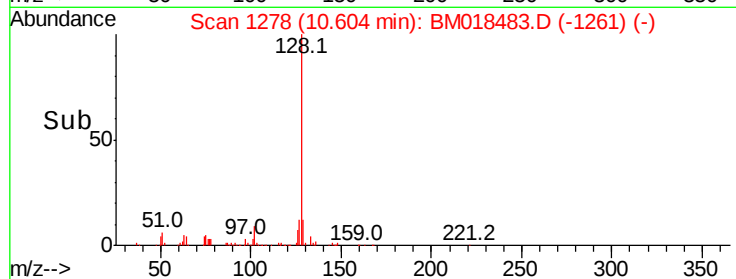
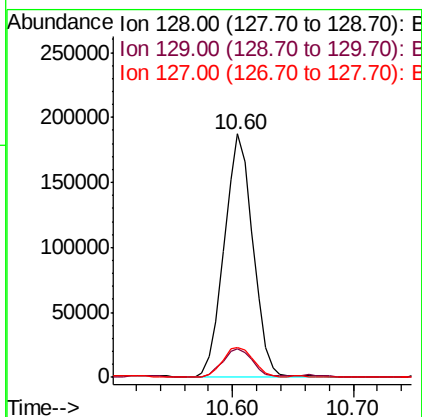
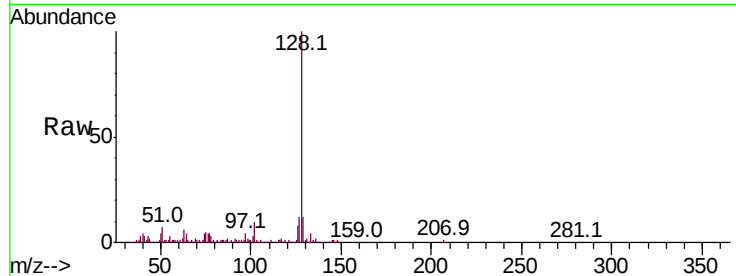




#31
Naphthalene
Concen: 2.690 ng
RT: 10.60 min Scan# 1278
Delta R.T. -0.00 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

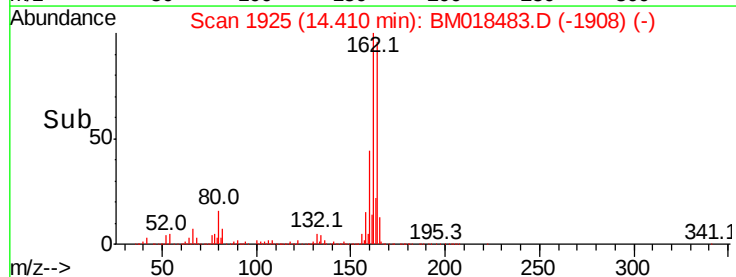
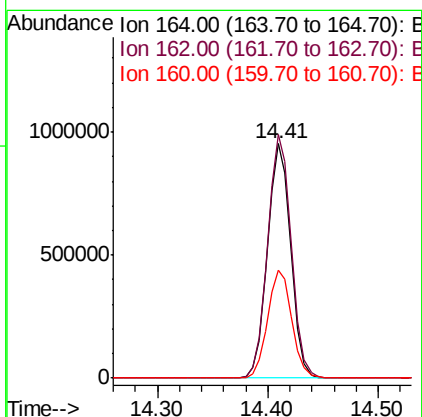
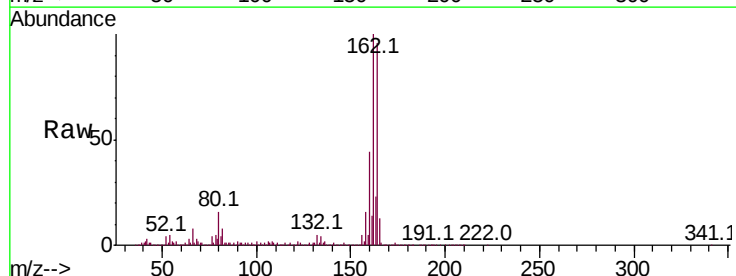
Instrument :
BNA_M
ClientSampleId :
CPSB-11(10-15)

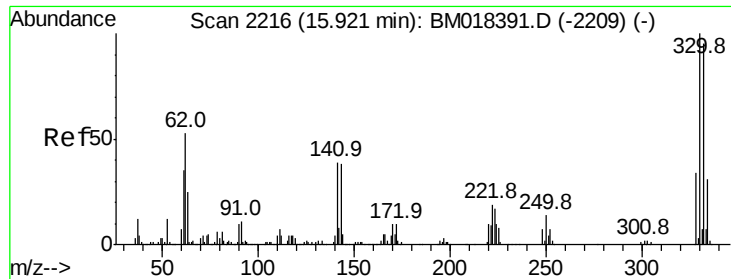
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.7	13.1
127	12.3	10.8	16.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.41 min Scan# 1925
Delta R.T. -0.00 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.0	124.4
160	46.2	37.1	55.7

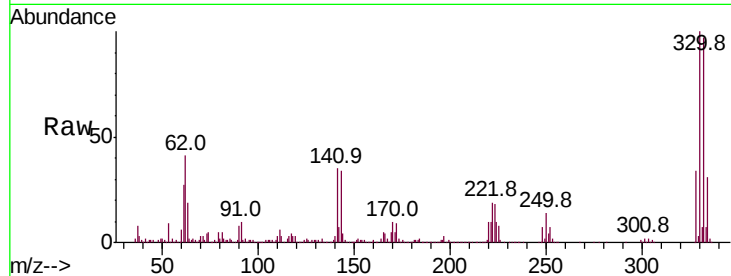




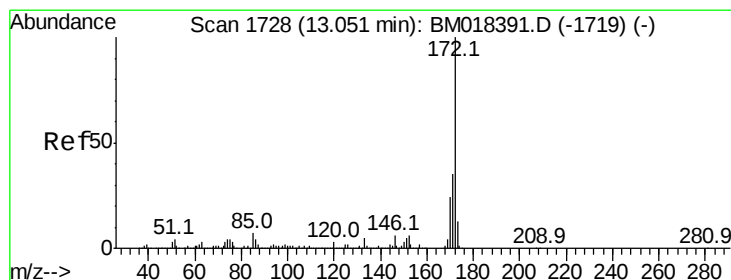
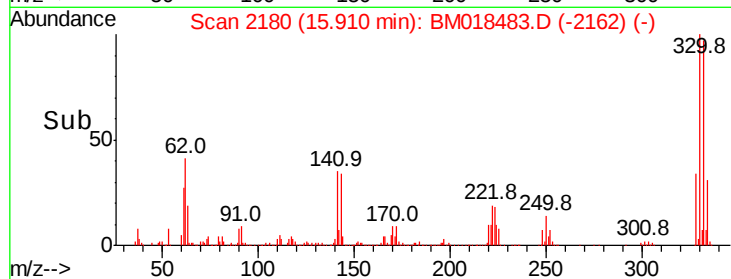
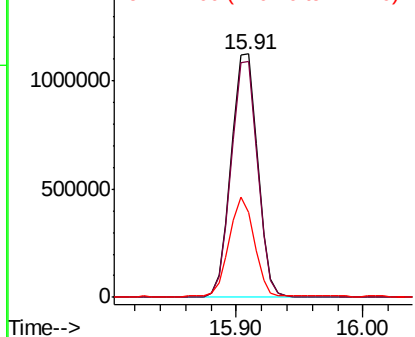
#42
 2,4,6-Tribromophenol
 Concen: 91.115 ng
 RT: 15.91 min Scan# 2180
 Delta R.T. 0.01 min
 Lab File: BM018483.D
 Acq: 09 Jan 2019 21:18

Instrument :
 BNA_M
 ClientSampleId :
 CPSB-11(10-15)

Tot Ion:330 Resp: 1625832
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.6 116.4
 141 38.4 31.7 47.5

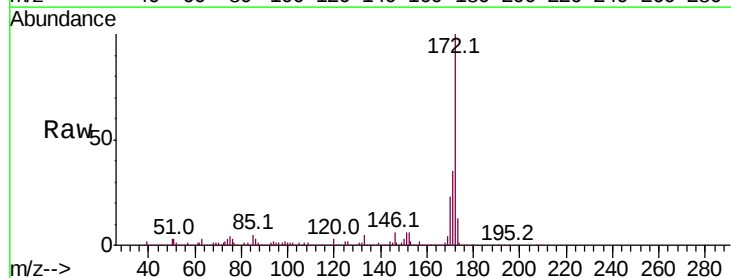


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

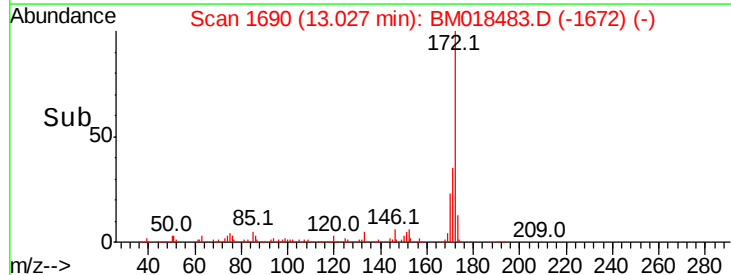
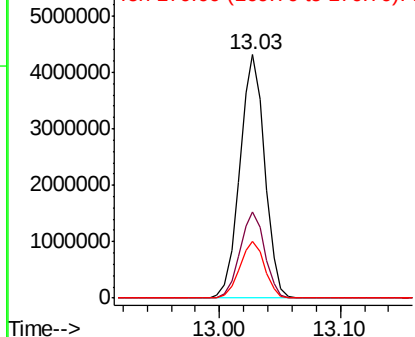


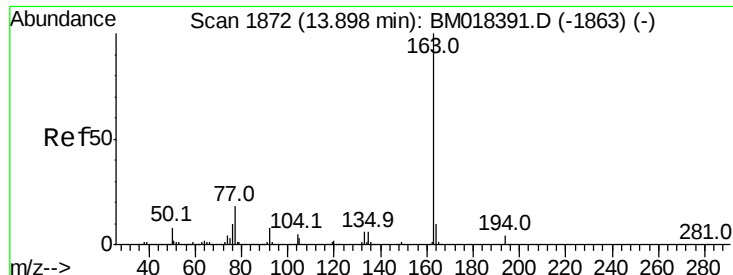
#45
 2-Fluorobiphenyl
 Concen: 57.550 ng
 RT: 13.03 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: BM018483.D
 Acq: 09 Jan 2019 21:18

Tgt Ion:172 Resp: 6180787
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.2 42.4
 170 23.2 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

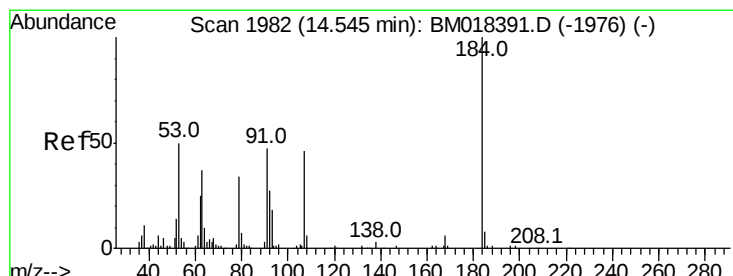
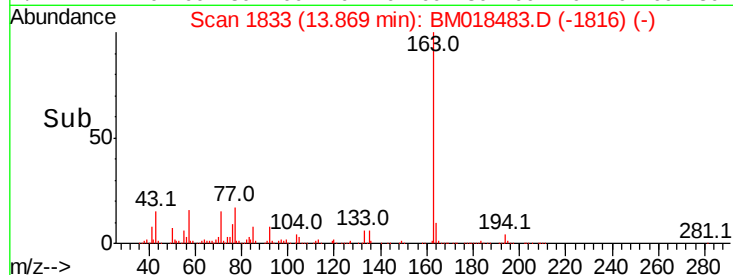
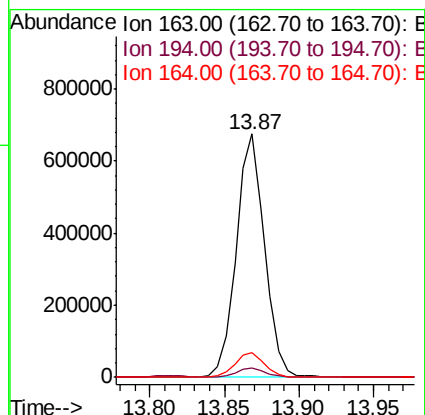
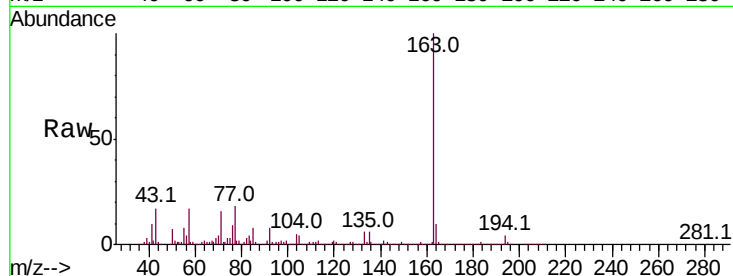




#50
Dimethylphthalate
Concen: 7.684 ng
RT: 13.87 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

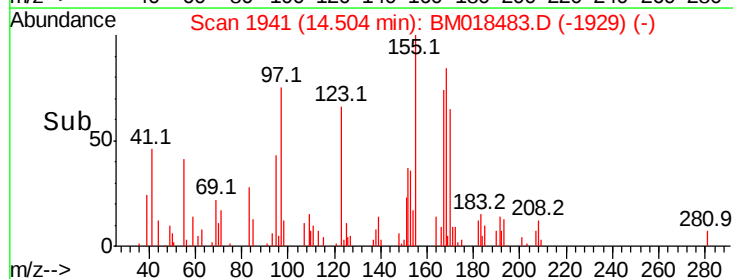
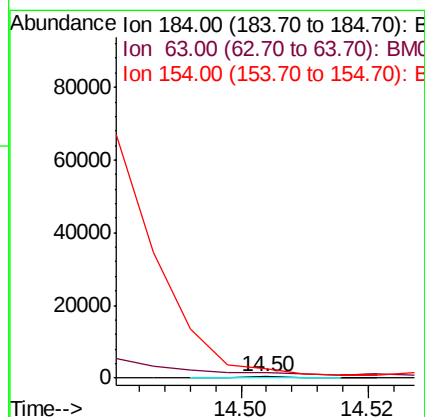
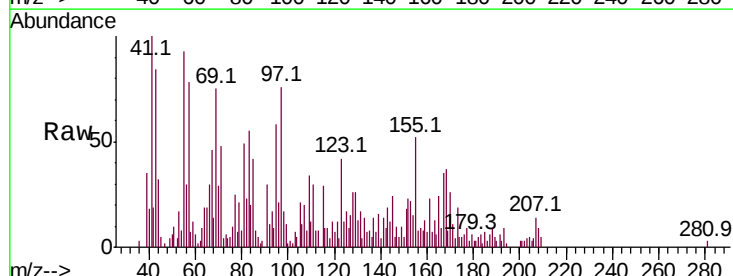
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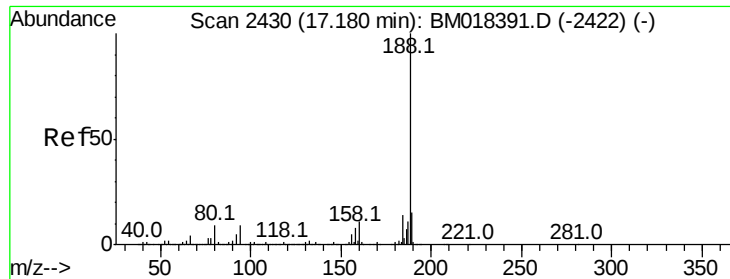
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.3	7.8	11.8



#54
2,4-Dinitrophenol
Concen: 7.210 ng
RT: 14.50 min Scan# 1941
Delta R.T. -0.03 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

Tgt Ion	Ratio	Lower	Upper
184	100		
63	454.5	55.9	83.9#
154	746.8	54.2	81.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.16 min Scan# 2393

Delta R.T. 0.01 min

Lab File: BM018483.D

Acq: 09 Jan 2019 21:18

Instrument :

BNA_M

ClientSampleId :

CPSB-11(10-15)

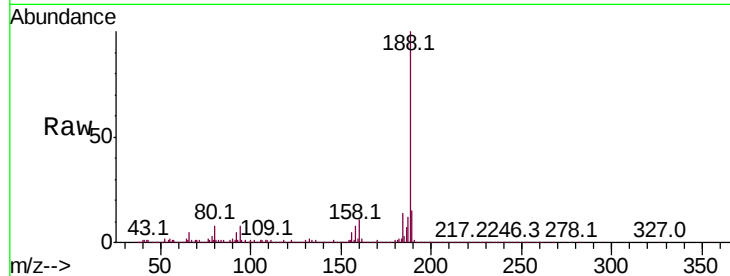
Tot Ion:188 Resp: 3187819

Ion Ratio Lower Upper

188 100

94 7.5 7.1 10.7

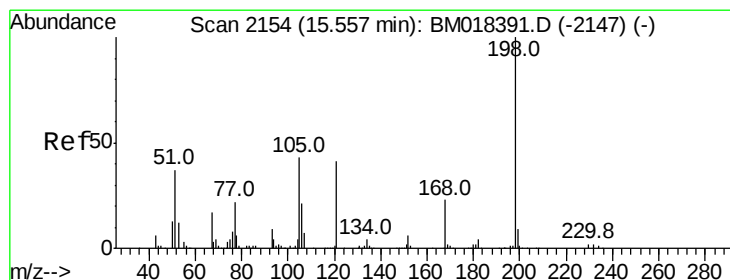
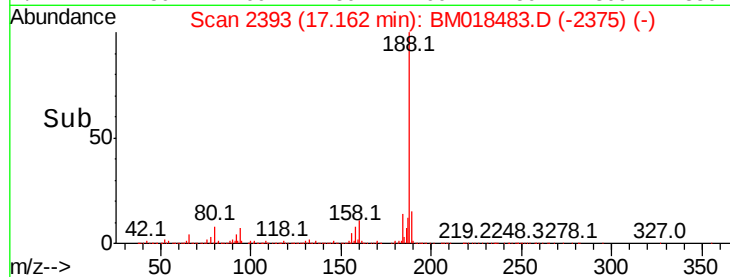
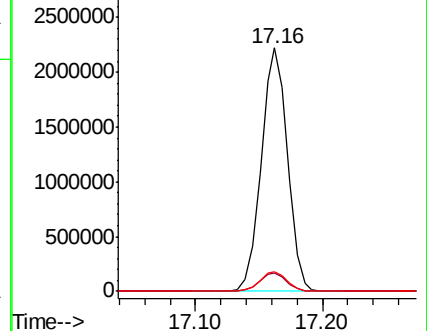
80 7.9 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#65

4,6-Dinitro-2-methylphenol

Concen: 5.478 ng

RT: 15.57 min Scan# 2122

Delta R.T. 0.02 min

Lab File: BM018483.D

Acq: 09 Jan 2019 21:18

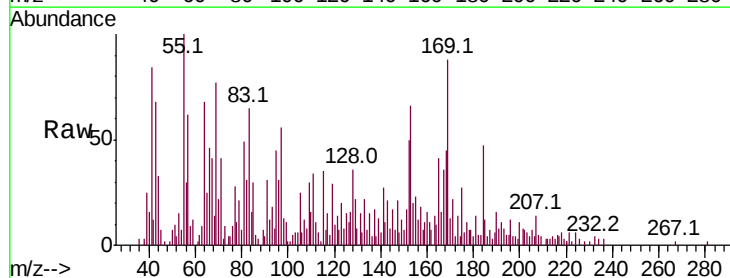
Tgt Ion:198 Resp: 1935

Ion Ratio Lower Upper

198 100

51 219.6 29.6 69.6#

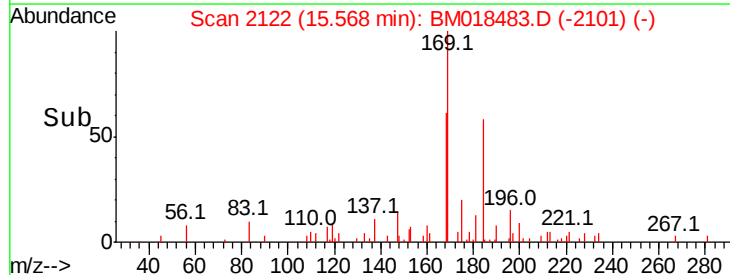
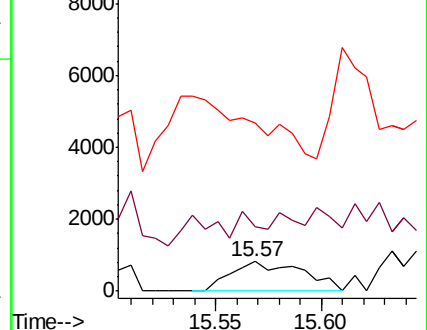
105 573.1 25.5 65.5#

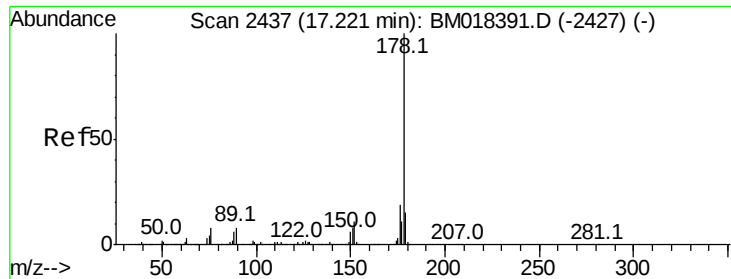


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E

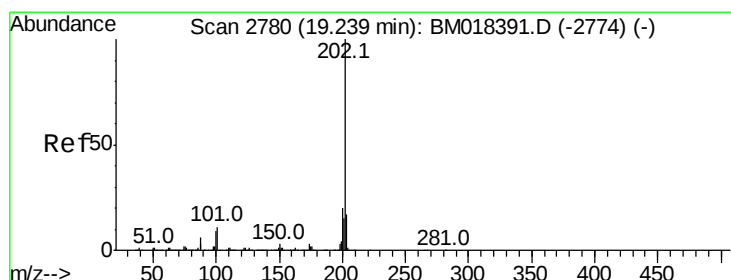
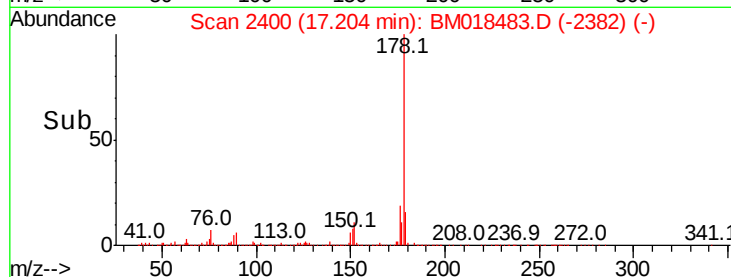
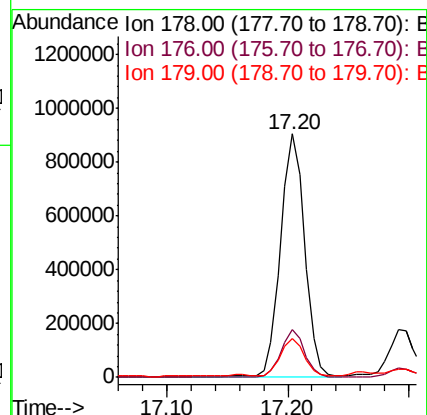
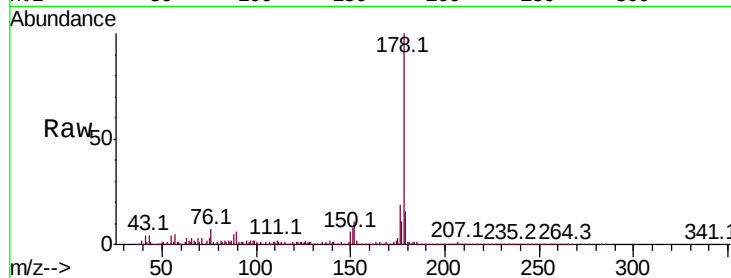




#71
Phenanthrene
Concen: 7.303 ng
RT: 17.20 min Scan# 2400
Delta R.T. 0.01 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

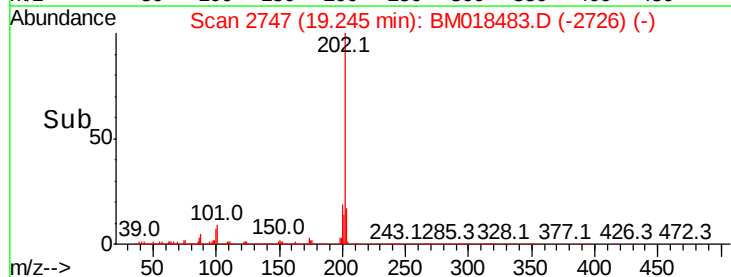
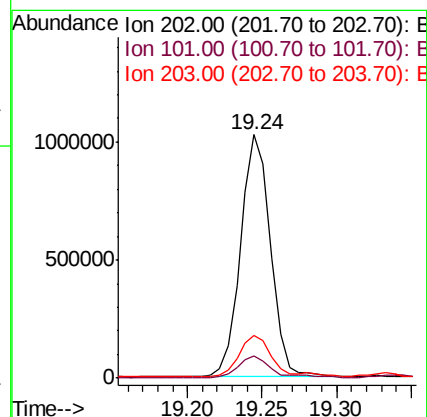
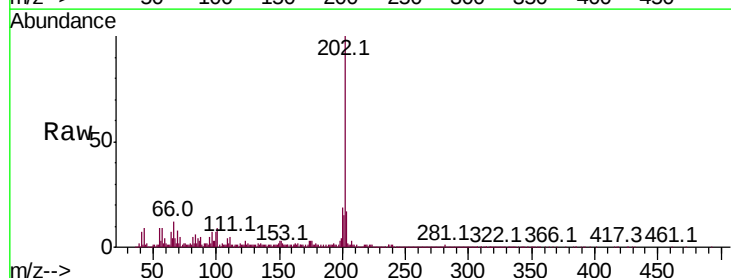
Instrument :
BNA_M
ClientSampleId :
CPSB-11(10-15)

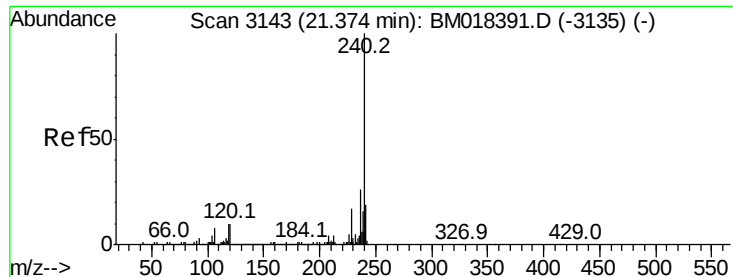
Tot Ion:178 Resp: 1238301
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 16.2 12.2 18.4



#75
Fluoranthene
Concen: 7.331 ng
RT: 19.24 min Scan# 2747
Delta R.T. 0.02 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

Tgt Ion:202 Resp: 1433101
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.9
203 17.5 0.0 37.4

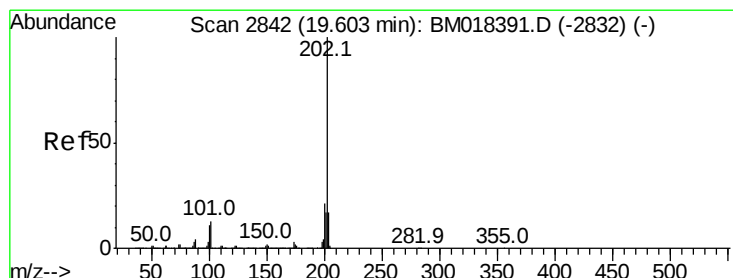
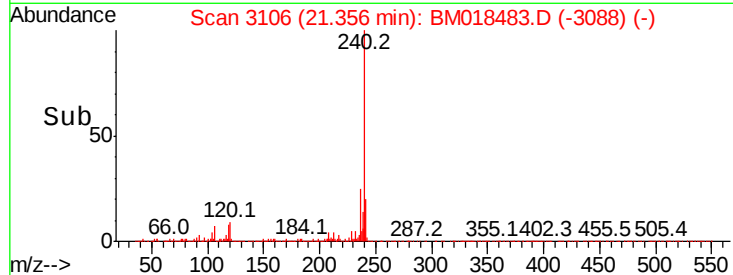
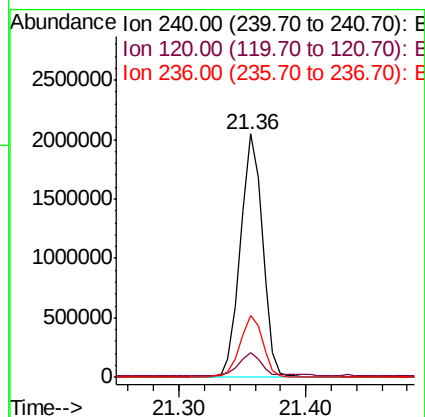
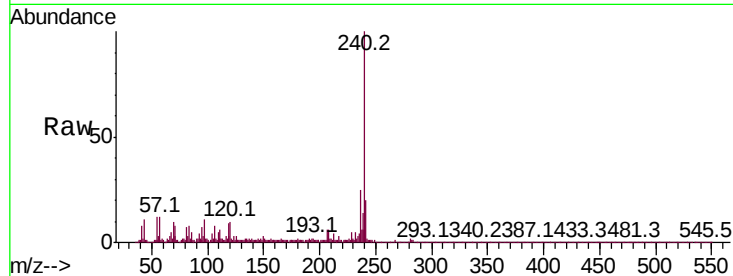




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.36 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

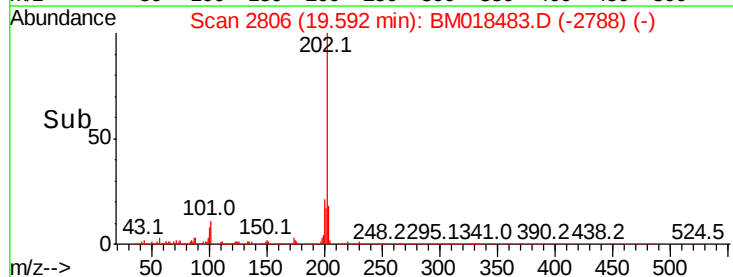
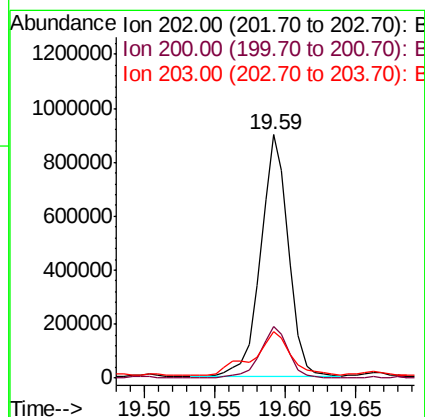
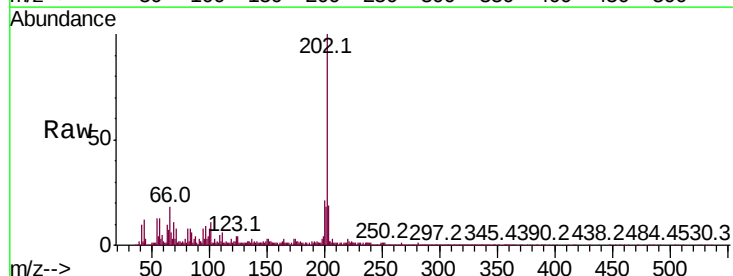
Instrument :
BNA_M
ClientSampleId :
CPSB-11(10-15)

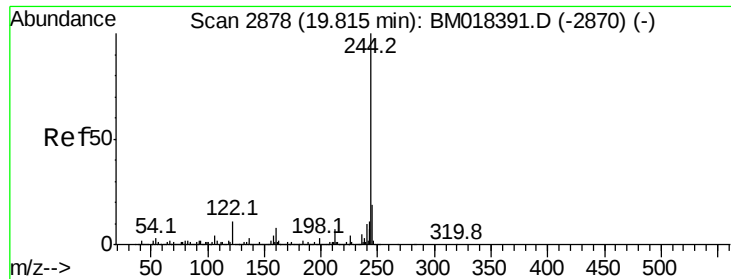
Tot Ion:240 Resp: 2445339
Ion Ratio Lower Upper
240 100
120 10.0 8.4 12.6
236 25.5 20.7 31.1



#78
Pyrene
Concen: 8.552 ng
RT: 19.59 min Scan# 2806
Delta R.T. 0.01 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

Tgt Ion:202 Resp: 1239532
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 19.1 13.8 20.8





#79

Terphenyl-d14

Concen: 70.562 ng

RT: 19.80 min Scan# 2841

Delta R.T. 0.01 min

Lab File: BM018483.D

Acq: 09 Jan 2019 21:18

Instrument :

BNA_M

ClientSampleId :

CPSB-11(10-15)

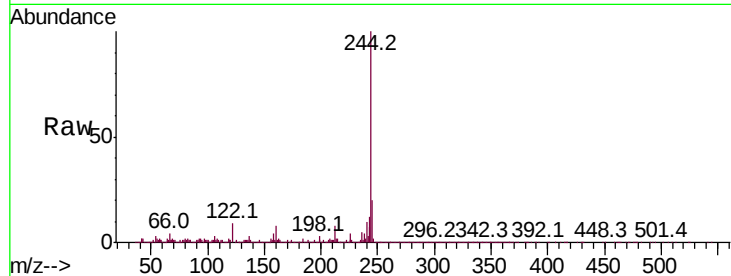
Tot Ion:244 Resp: 8185281

Ion Ratio Lower Upper

244 100

212 7.8 5.9 8.9

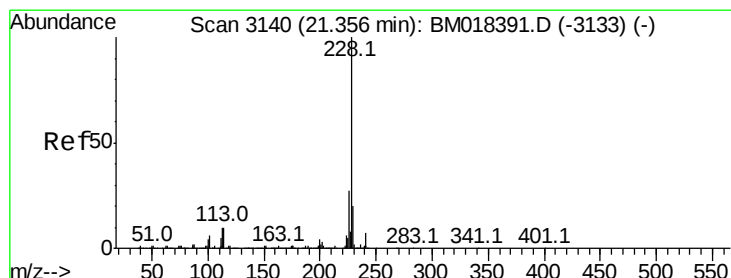
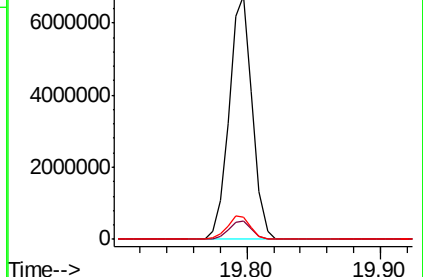
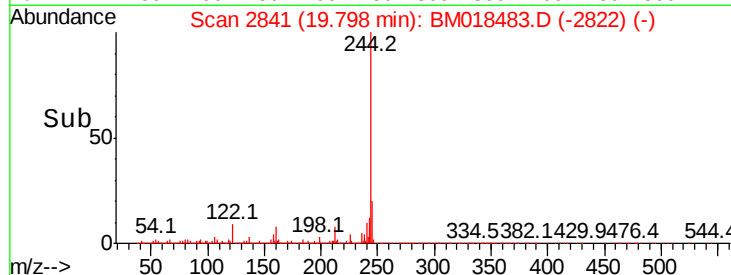
122 9.2 9.0 13.4



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: 3.569 ng

RT: 21.34 min Scan# 3103

Delta R.T. 0.01 min

Lab File: BM018483.D

Acq: 09 Jan 2019 21:18

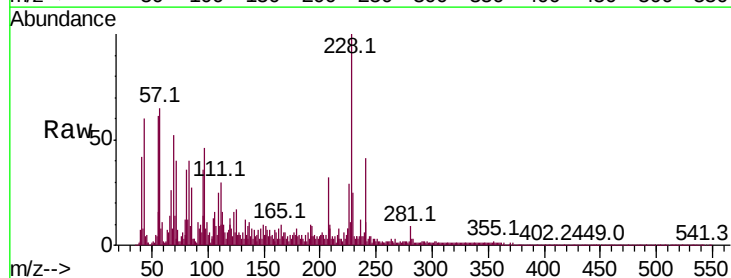
Tgt Ion:228 Resp: 514159

Ion Ratio Lower Upper

228 100

226 28.8 21.8 32.6

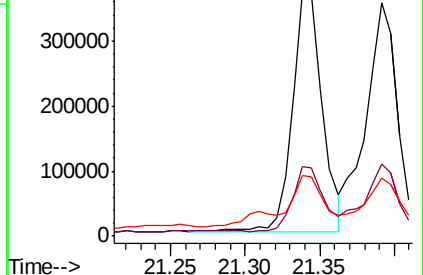
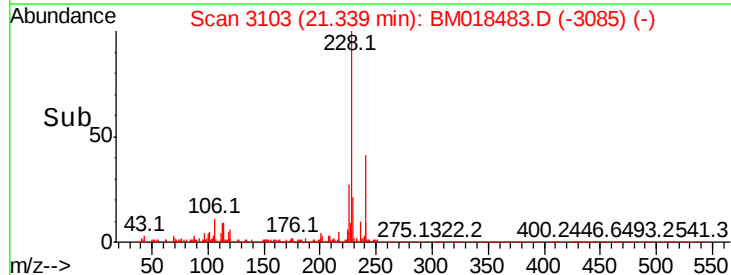
229 25.0 15.8 23.8#

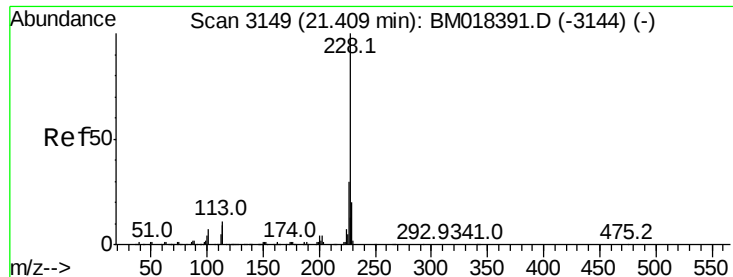


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

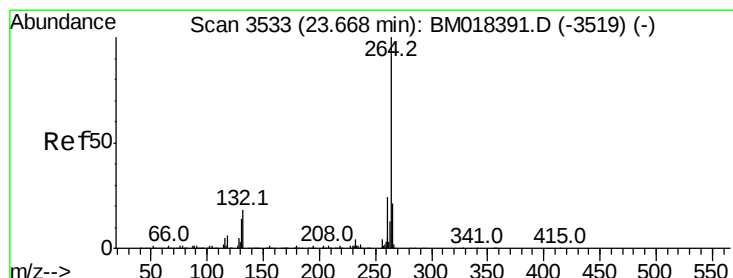
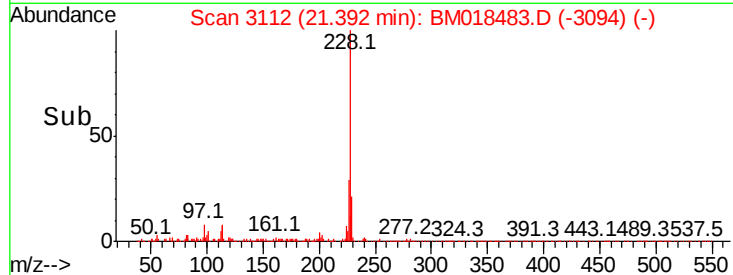
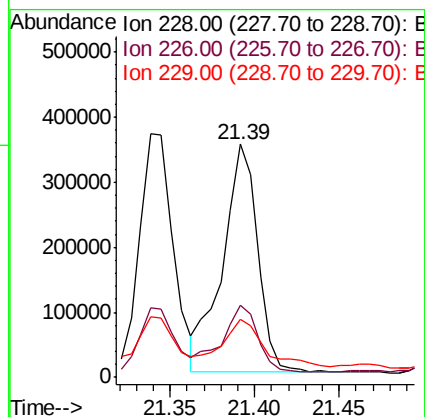
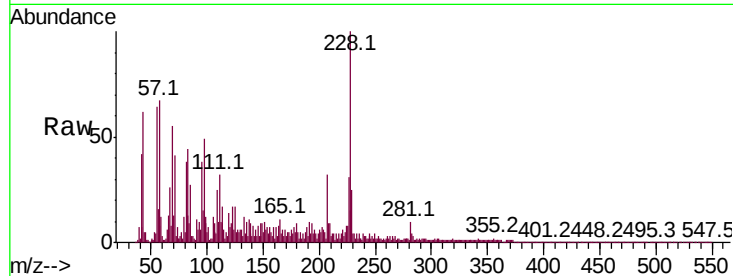




#83
Chrysene
Concen: 3.650 ng
RT: 21.39 min Scan# 3112
Delta R.T. 0.01 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

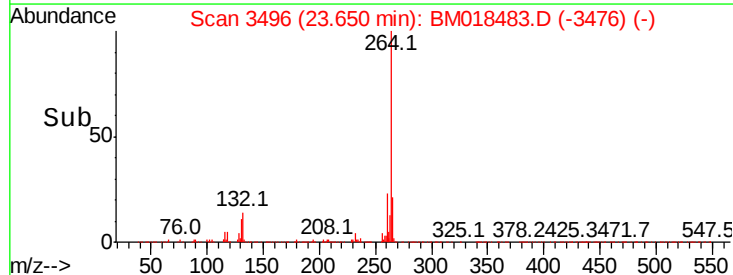
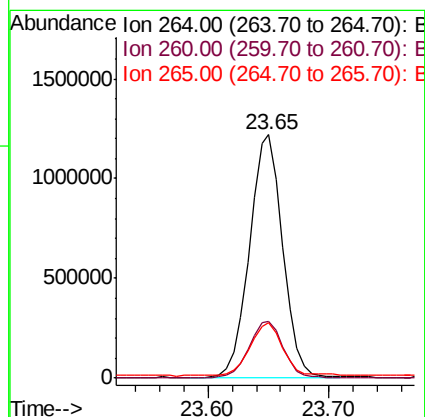
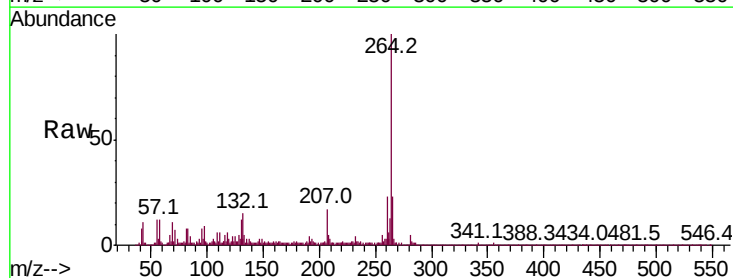
Instrument :
BNA_M
ClientSampleId :
CPSB-11(10-15)

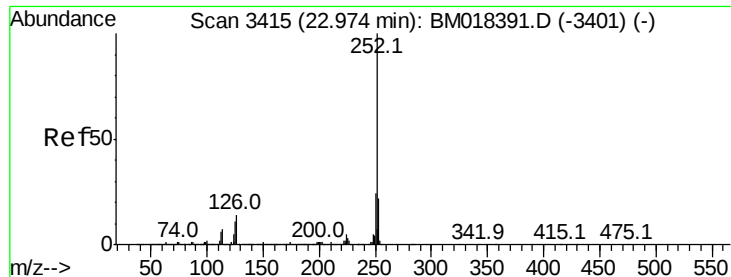
Tot Ion:228 Resp: 507727
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.2
229 25.1 15.6 23.4#



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.65 min Scan# 3496
Delta R.T. 0.02 min
Lab File: BM018483.D
Acq: 09 Jan 2019 21:18

Tgt Ion:264 Resp: 2325070
Ion Ratio Lower Upper
264 100
260 23.4 18.9 28.3
265 22.6 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 6.216 ng

RT: 22.96 min Scan# 3378

Delta R.T. 0.02 min

Lab File: BM018483.D

Acq: 09 Jan 2019 21:18

Instrument :

BNA_M

ClientSampleId :

CPSB-11(10-15)

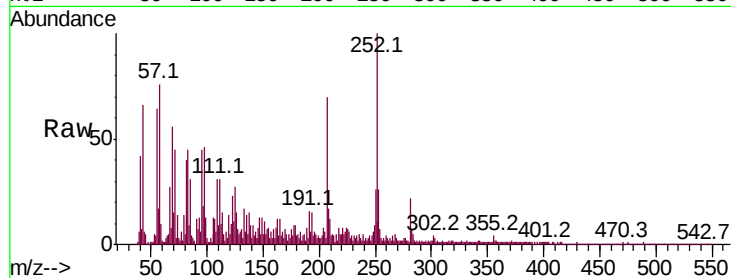
Tot Ion:252 Resp: 820445

Ion Ratio Lower Upper

252 100

253 26.3 17.6 26.4

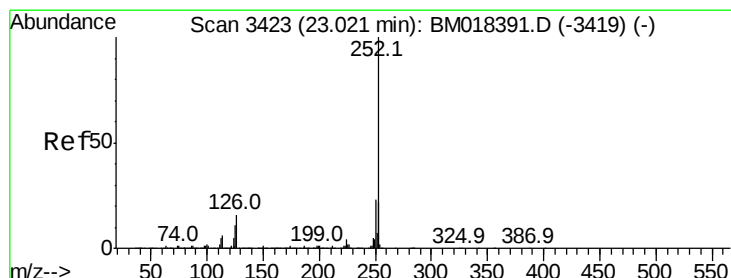
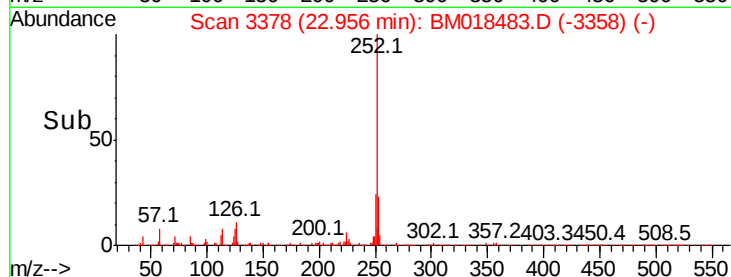
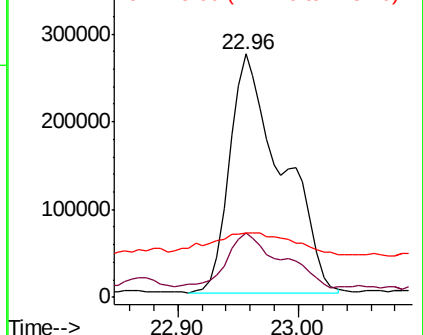
125 26.5 8.5 12.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 6.110 ng

RT: 22.96 min Scan# 3378

Delta R.T. -0.03 min

Lab File: BM018483.D

Acq: 09 Jan 2019 21:18

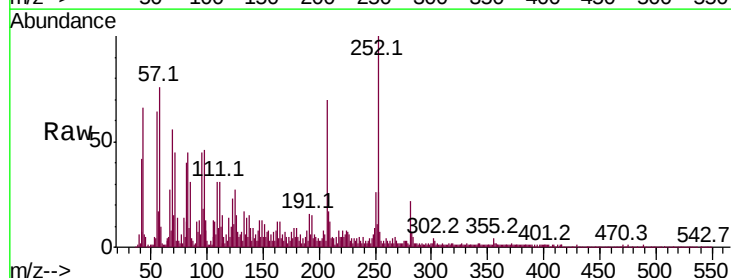
Tgt Ion:252 Resp: 812817

Ion Ratio Lower Upper

252 100

253 26.3 17.4 26.0#

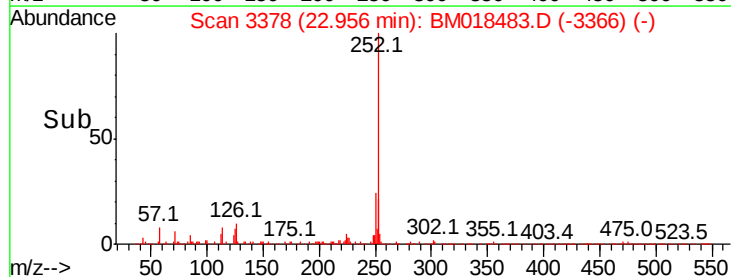
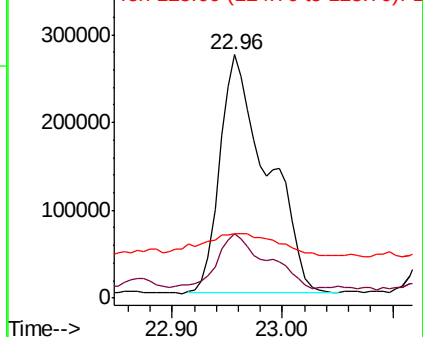
125 26.5 8.6 12.8#

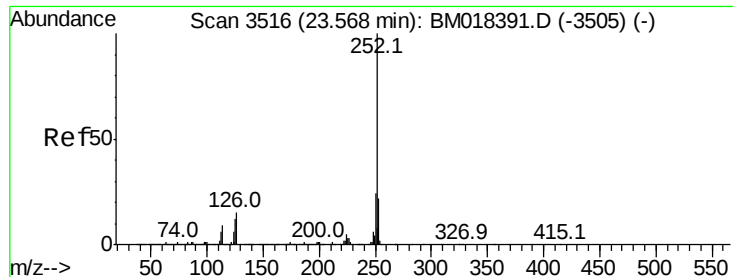


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.449 ng

RT: 23.55 min Scan# 3479

Delta R.T. 0.02 min

Lab File: BM018483.D

Acq: 09 Jan 2019 21:18

Instrument :

BNA_M

ClientSampleId :

CPSB-11(10-15)

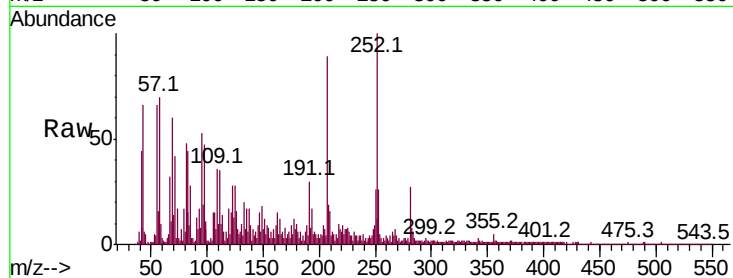
Tot Ion:252 Resp: 435878

Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

125 28.3 9.7 14.5#

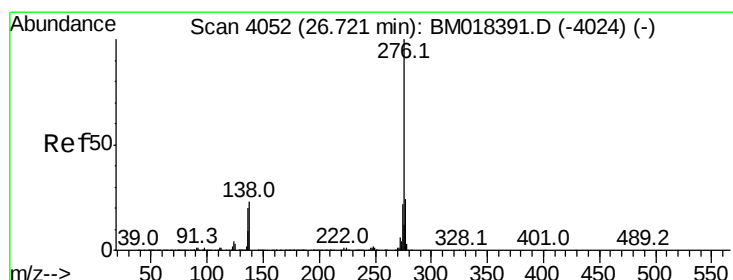
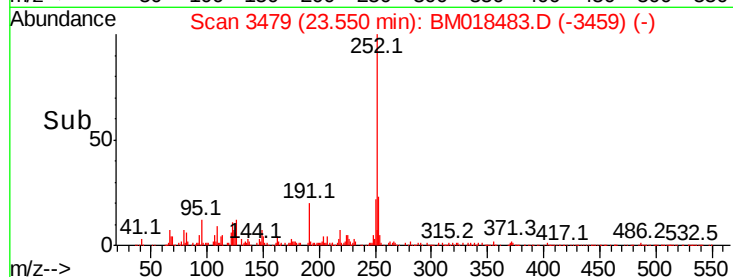
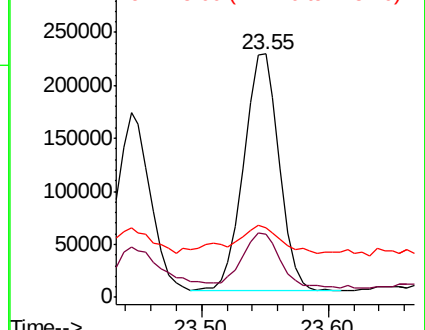


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.331 ng

RT: 26.69 min Scan# 4012

Delta R.T. 0.03 min

Lab File: BM018483.D

Acq: 09 Jan 2019 21:18

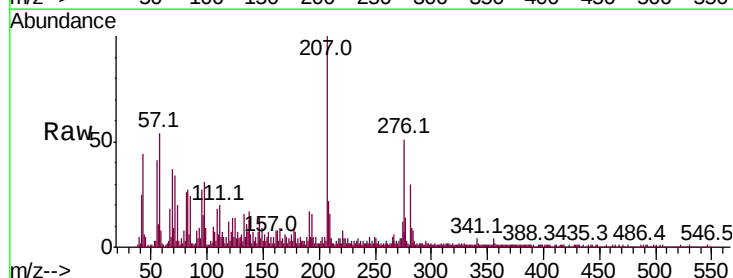
Tgt Ion:276 Resp: 290471

Ion Ratio Lower Upper

276 100

277 28.1 19.0 28.4

138 26.2 18.1 27.1



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

