

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121418\
 Data File : BM018191.D
 Acq On : 15 Dec 2018 05:47
 Operator : JU/SJ
 Sample : J6238-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE8B5

Manual Integrations
 APPROVED

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 12/17/2018 4:17:32 PM

Quant Time: Dec 15 20:31:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 15 03:53:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	141317	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	598406	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	332691	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.93	188	742194	20.00	ng/ul	0.01
77) Chrysene-d12	21.15	240	720474	20.00	ng/ul	0.01
85) Perylene-d12	23.32	264	770186	20.00	ng/ul	0.02

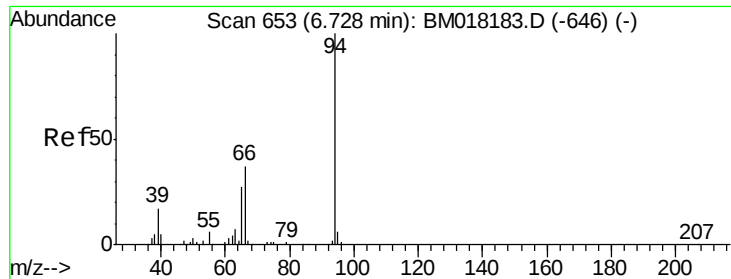
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	8250m	2.79	ng/uL	0.00
5) Phenol-d5	6.71	99	171673	12.64	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	103200	14.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	140372	13.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	136189	12.36	ng/ul	0.01
19) Nitrobenzene-d5	8.67	128	70114	14.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	72238	12.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	128479	12.78	ng/ul	0.01
29) 4-Chloroaniline-d4	10.44	131	124816	14.04	ng/ul	0.01
43) Dimethylphthalate-d6	13.59	166	436065	14.82	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	527514	14.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	40196m	7.57	ng/ul	0.02
57) Fluorene-d10	15.17	176	384614	15.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	8280	1.46	ng/ul	0.02
70) Anthracene-d10	17.03	188	588832	15.70	ng/ul	0.00
78) Pyrene-d10	19.34	212	599884	17.36	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.18	264	650707	15.25	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	6.73	94	31498	2.358	ng/ul 93
28) Naphthalene	10.33	128	55911	1.737	ng/ul 97
44) Dimethylphthalate	13.64	163	44788	1.598	ng/ul 97
47) Acenaphthylene	13.89	152	70523	2.077	ng/ul 93
49) Acenaphthene	14.23	153	77664	3.247	ng/ul 95
53) Dibenzofuran	14.57	168	51404	1.555	ng/ul 94
58) Fluorene	15.23	166	95798	3.487	ng/ul 99
69) Phenanthrene	16.97	178	1800086	41.547	ng/ul 100
71) Anthracene	17.06	178	604605	13.560	ng/ul 100
74) Carbazole	17.34	167	121558	2.996	ng/ul 100
76) Fluoranthene	19.01	202	3119608	62.074	ng/ul 99
79) Pyrene	19.37	202	2897158	67.214	ng/ul 99
82) Benzo(a)anthracene	21.13	228	1404357	30.799	ng/ul 98
84) Chrysene	21.19	228	1237960	29.096	ng/ul 97
87) Benzo(b)fluoranthene	22.67	252	1585053	34.534	ng/ul# 94
88) Benzo(k)fluoranthene	22.72	252	484290m	10.603	ng/ul
90) Benzo(a)pyrene	23.22	252	1178487	26.031	ng/ul 96
91) Indeno(1,2,3-cd)pyrene	25.46	276	756878	14.733	ng/ul 95
92) Dibenzo(a,h)anthracene	25.46	278	194233	4.450	ng/ul# 87
93) Benzo(g,h,i)perylene	26.11	276	627985	14.667	ng/ul 97

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



#6

Phenol

Concen: 2.358 ng/ul

RT: 6.73 min Scan# 654

Delta R.T. 0.01 min

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Acq: 15 Dec 2018 05:47

Instrument :

BNA_M

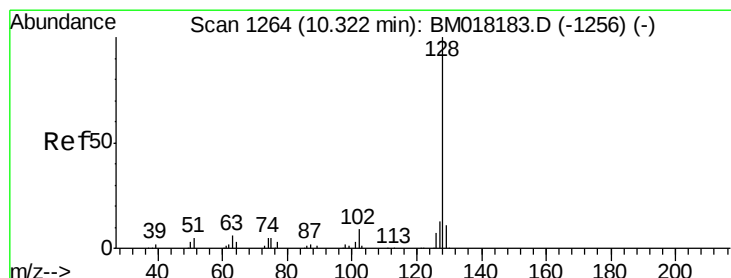
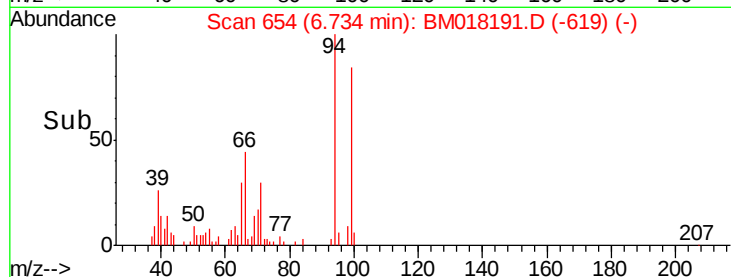
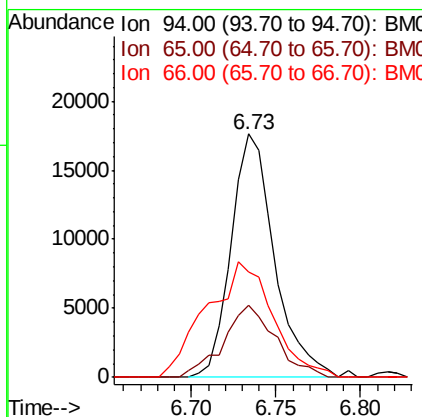
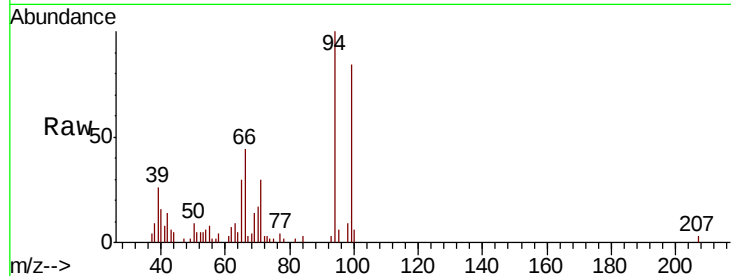
ClientSampleId :

BE8B5

Tot Ion:	94	Resp:	31498
Ion Ratio	Lower	Upper	
94	100		
65	29.6	22.0	33.0
66	43.5	30.3	45.5

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#28

Naphthalene

Concen: 1.737 ng/ul

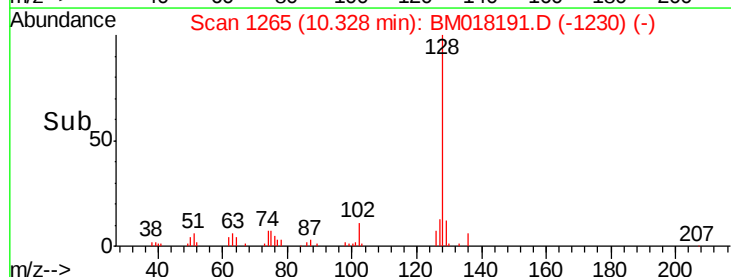
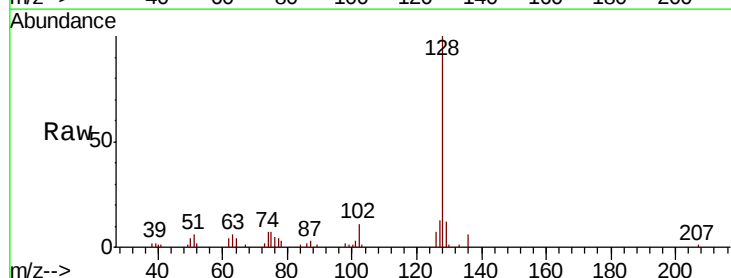
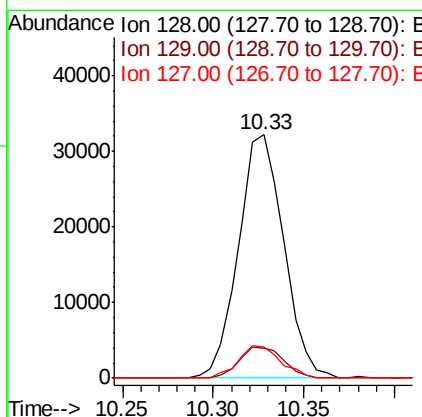
RT: 10.33 min Scan# 1265

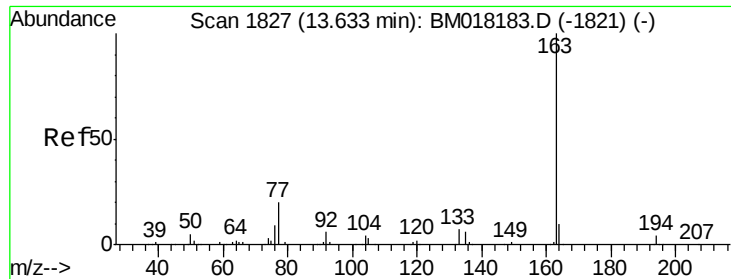
Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Tgt Ion:	128	Resp:	55911
Ion Ratio	Lower	Upper	
128	100		
129	12.2	8.2	12.4
127	12.7	9.7	14.5





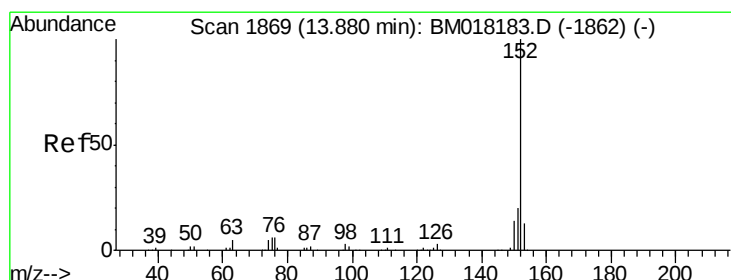
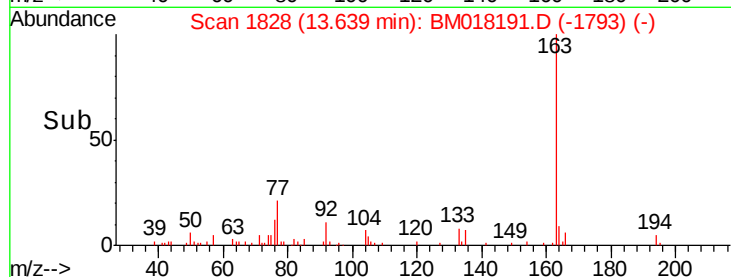
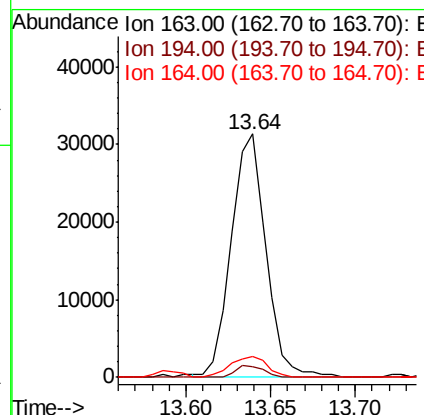
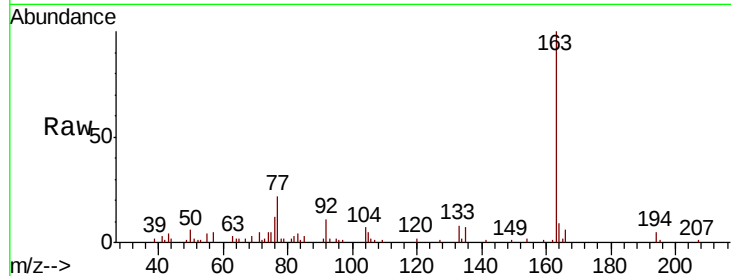
#44
Dimethylphthalate
Concen: 1.598 ng/ul
RT: 13.64 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BM018191.D
Acq: 15 Dec 2018 05:47

Instrument :
BNA_M
ClientSampled :
BE8B5

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.7	5.5
164	8.8	8.2	12.4

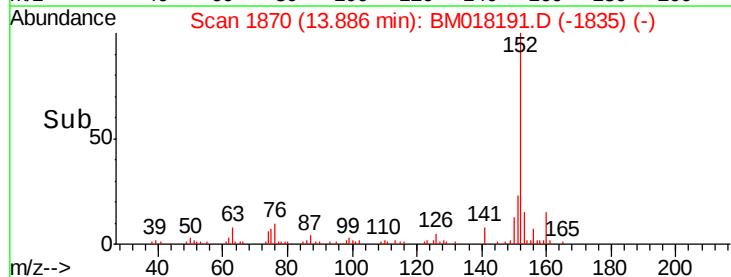
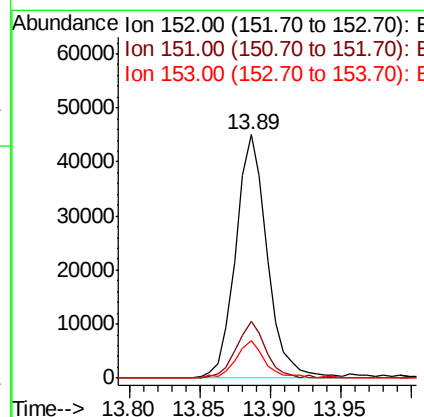
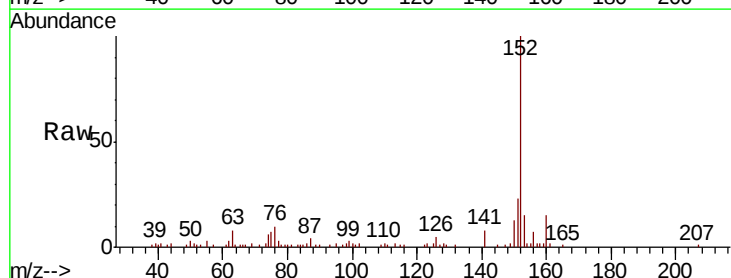
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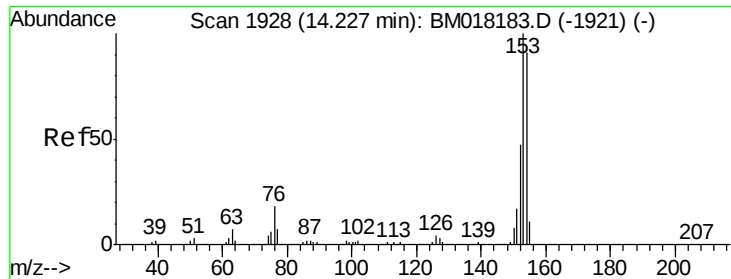
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#47
Acenaphthylene
Concen: 2.077 ng/ul
RT: 13.89 min Scan# 1870
Delta R.T. 0.01 min
Lab File: BM018191.D
Acq: 15 Dec 2018 05:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.4	15.7	23.5
153	15.3	10.2	15.4





#49

Acenaphthene

Concen: 3.247 ng/ul

RT: 14.23 min Scan# 1929

Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Instrument :

BNA_M

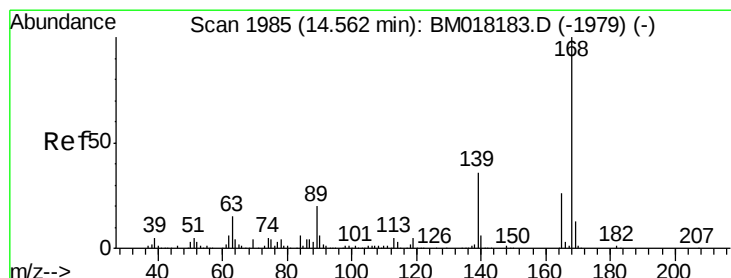
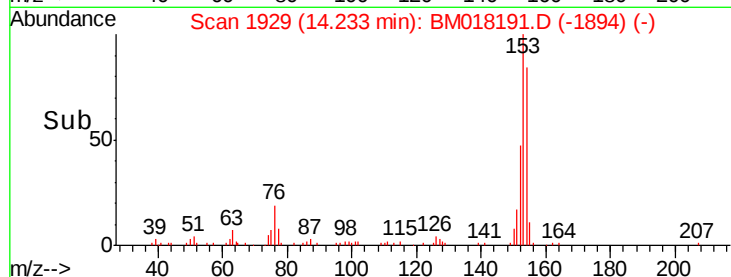
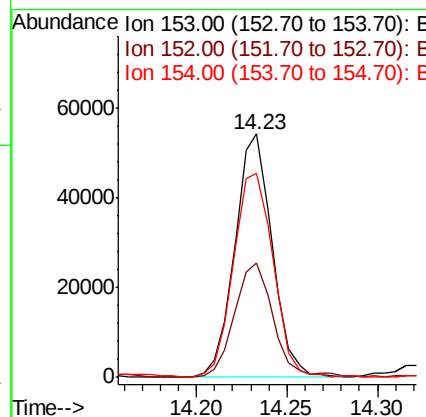
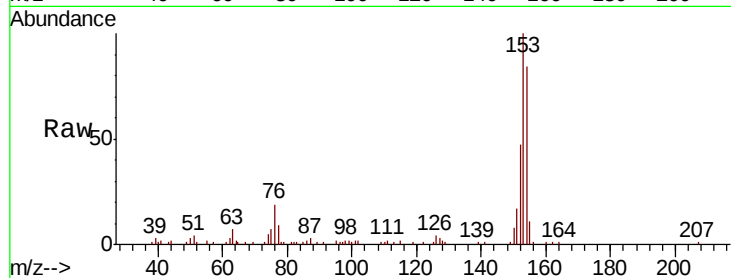
ClientSampled :

BE8B5

Tot Ion:	153	Resp:	77664
Ion	Ratio	Lower	Upper
153	100		
152	47.1	37.1	55.7
154	83.9	71.8	107.8

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#53

Dibenzofuran

Concen: 1.555 ng/ul

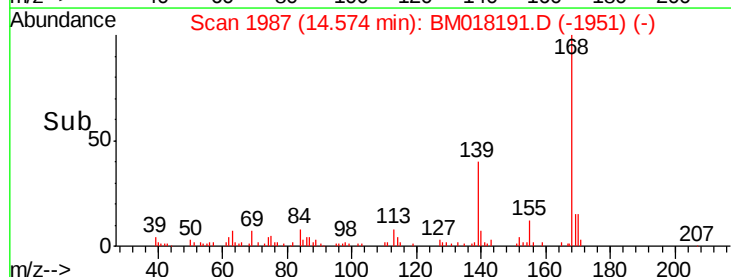
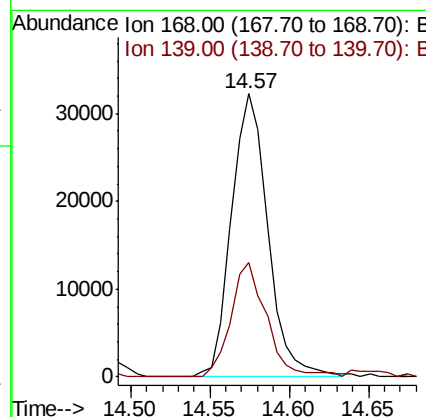
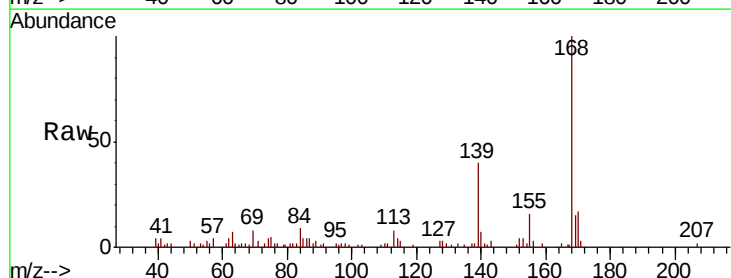
RT: 14.57 min Scan# 1987

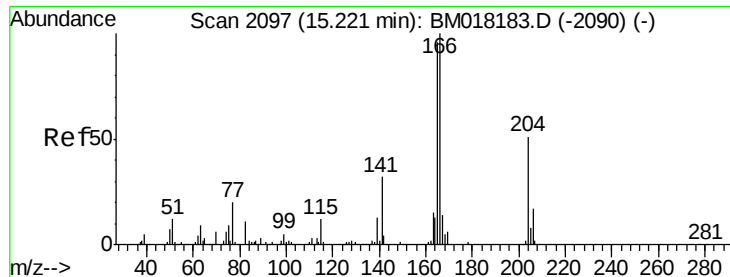
Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Tgt Ion:	168	Resp:	51404
Ion	Ratio	Lower	Upper
168	100		
139	40.3	29.4	44.0





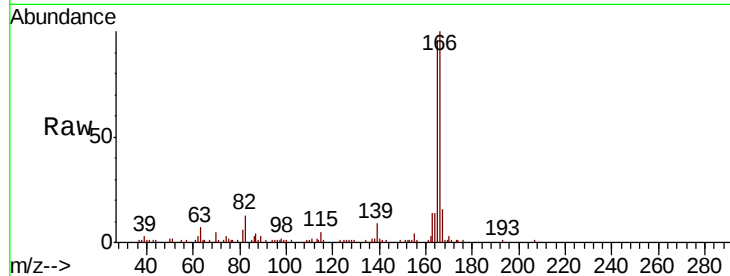
#58
Fluorene
Concen: 3.487 ng/ul
RT: 15.23 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BM018191.D
Acq: 15 Dec 2018 05:47

Instrument :
BNA_M
ClientSampleId :
BE8B5

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.6	76.2	114.4
167	15.6	11.2	16.8

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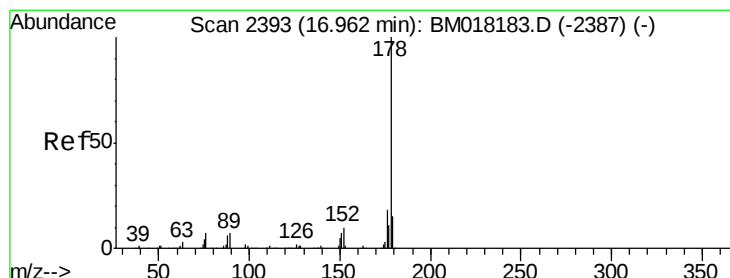
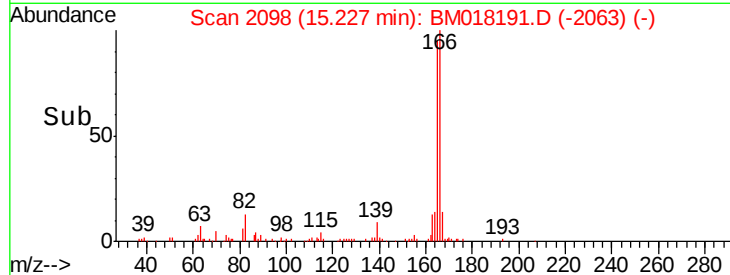
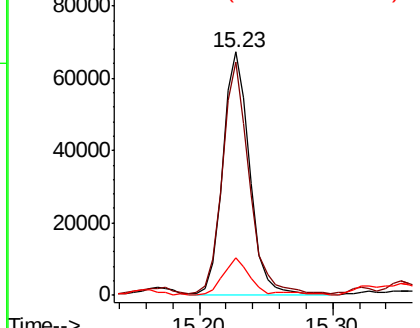


Abundance

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



#69
Phenanthrene
Concen: 41.547 ng/ul
RT: 16.97 min Scan# 2395
Delta R.T. 0.01 min
Lab File: BM018191.D
Acq: 15 Dec 2018 05:47

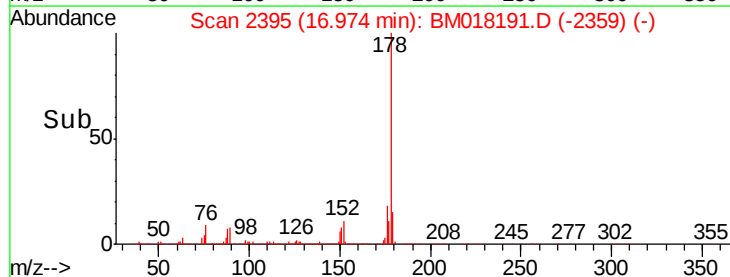
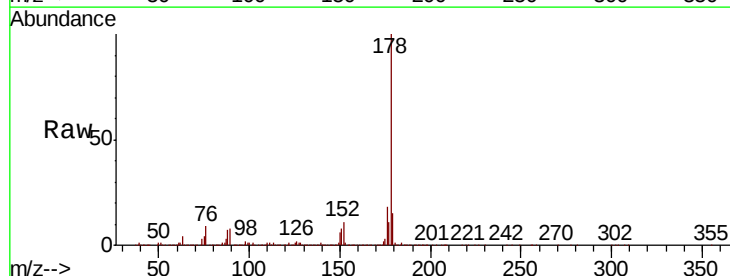
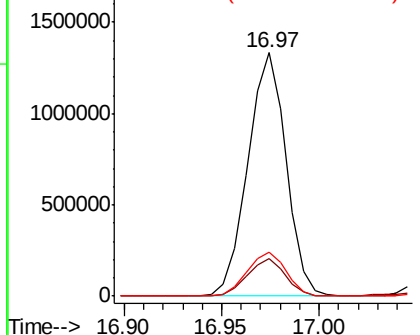
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.4
176	17.9	14.3	21.5

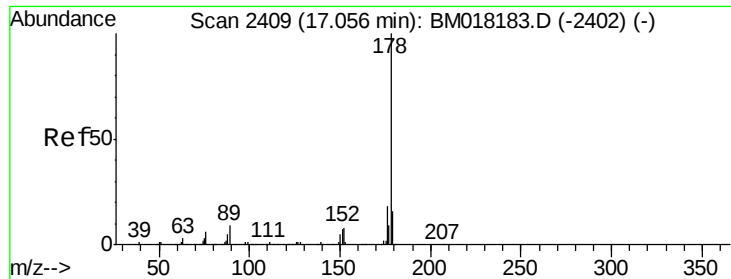
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





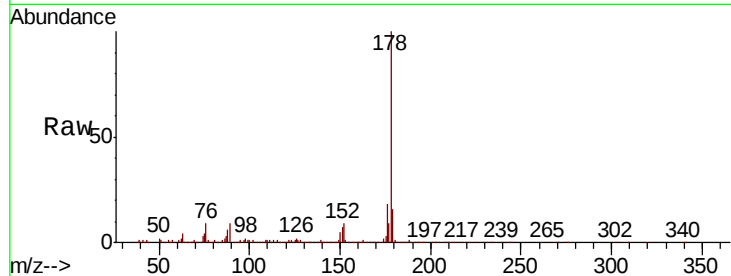
#71
 Anthracene
 Concen: 13.560 ng/ul
 RT: 17.06 min Scan# 2410
 Delta R.T. 0.01 min
 Lab File: BM018191.D
 Acq: 15 Dec 2018 05:47

Instrument :
 BNA_M
 ClientSampleId :
 BE8B5

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.9	19.3
176	17.7	14.1	21.1

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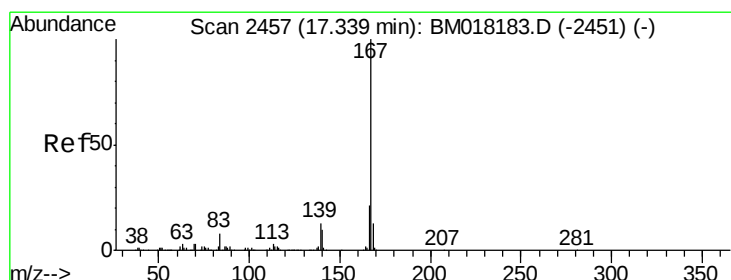
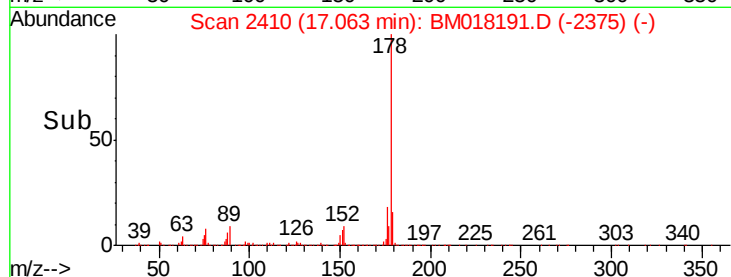
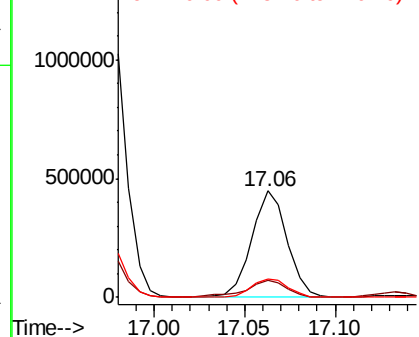


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74
 Carbazole
 Concen: 2.996 ng/ul
 RT: 17.34 min Scan# 2458
 Delta R.T. 0.01 min
 Lab File: BM018191.D
 Acq: 15 Dec 2018 05:47

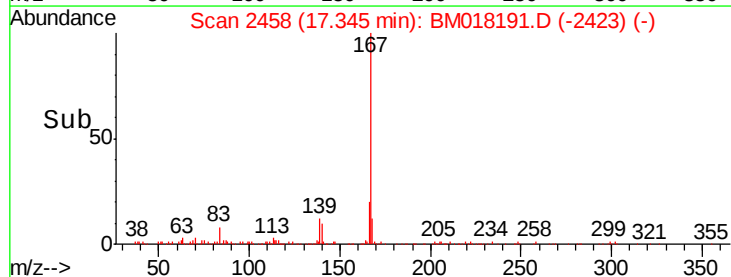
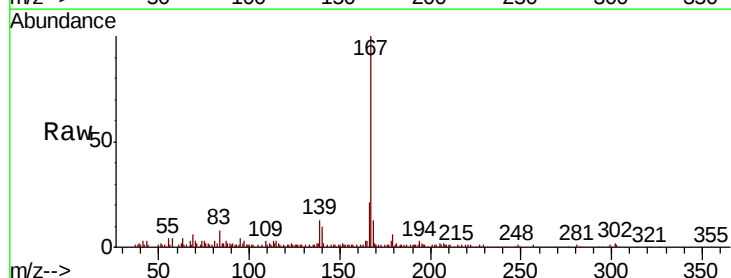
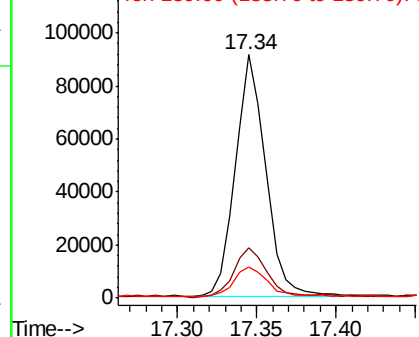
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	16.6	24.8
139	12.6	10.2	15.4

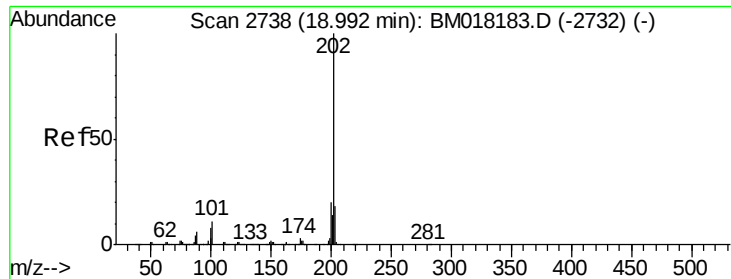
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





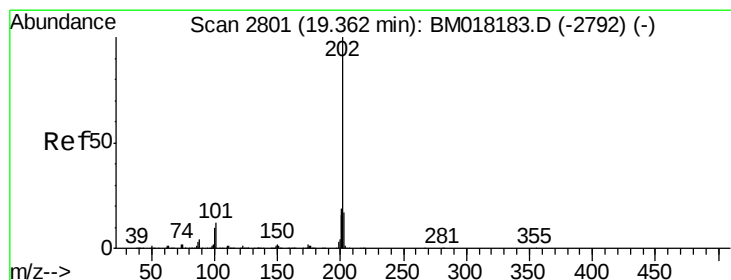
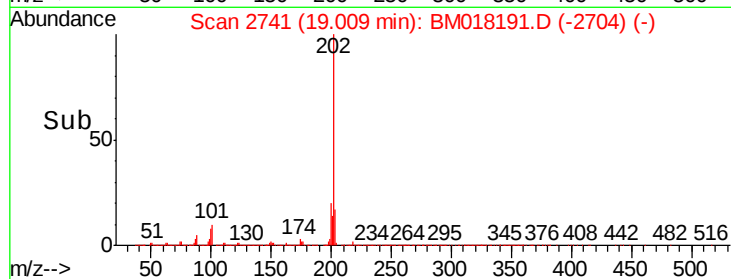
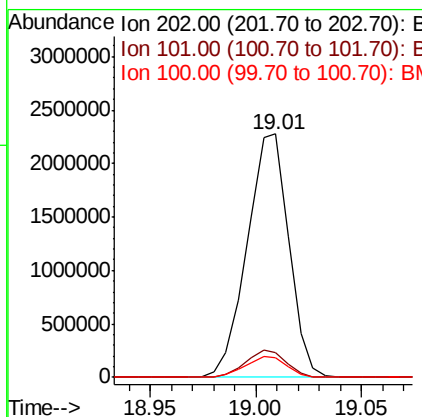
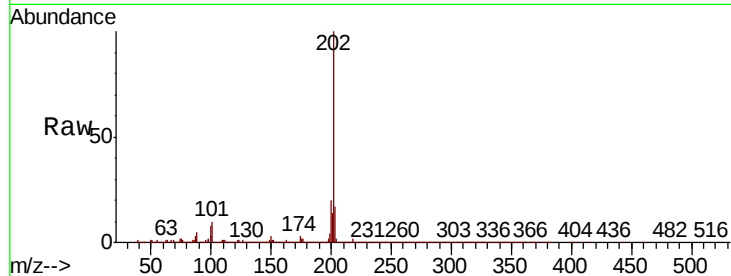
#76
Fluoranthene
Concen: 62.074 ng/ul
RT: 19.01 min Scan# 2741
Delta R.T. 0.02 min
Lab File: BM018191.D
Acq: 15 Dec 2018 05:47

Instrument :
BNA_M
ClientSampleId :
BE8B5

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.0	12.0
100	8.3	6.6	10.0

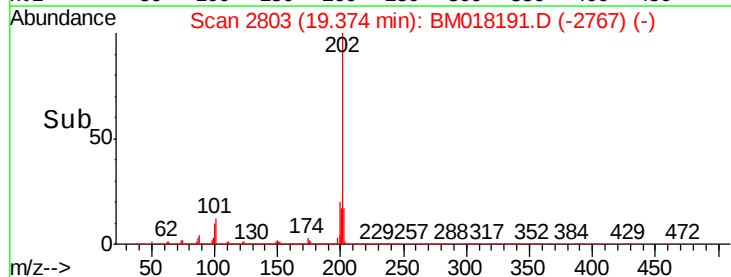
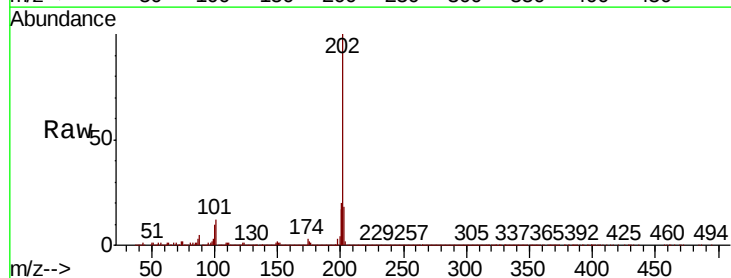
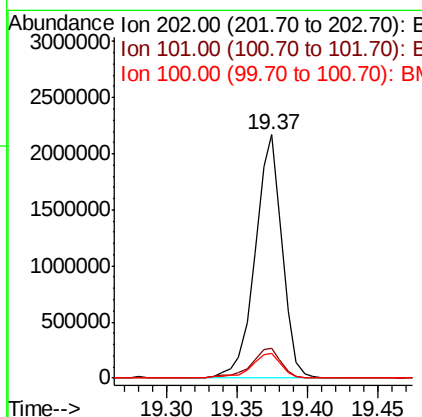
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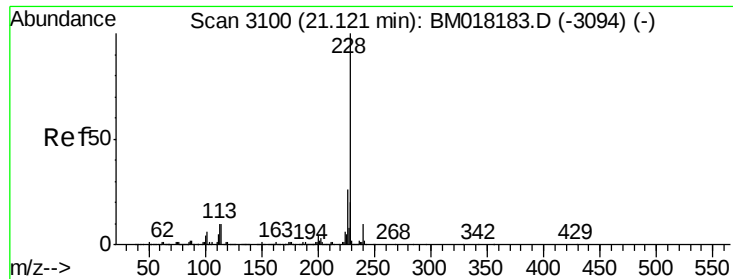
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#79
Pyrene
Concen: 67.214 ng/ul
RT: 19.37 min Scan# 2803
Delta R.T. 0.01 min
Lab File: BM018191.D
Acq: 15 Dec 2018 05:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.6	14.4
100	10.2	7.7	11.5





#82

Benzo(a)anthracene

Concen: 30.799 ng/ul

RT: 21.13 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Instrument :

BNA_M

ClientSampled :

BE8B5

Tot Ion:228 Resp: 1404357

Ion Ratio Lower Upper

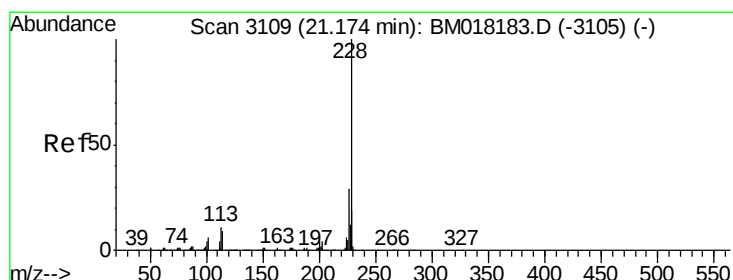
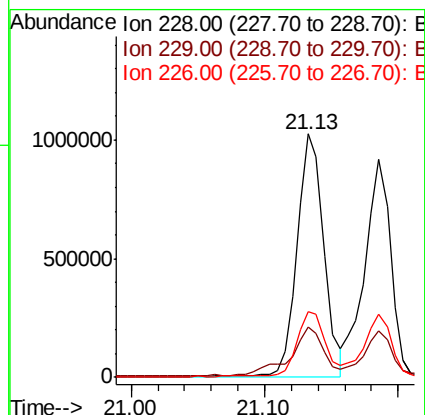
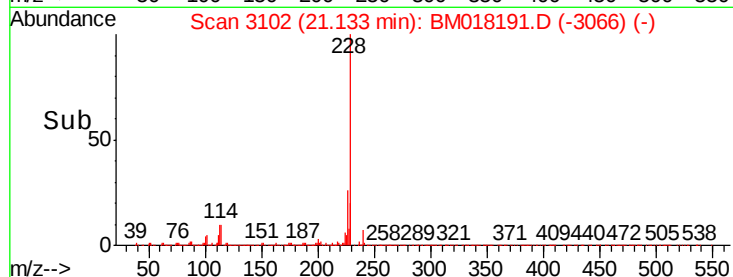
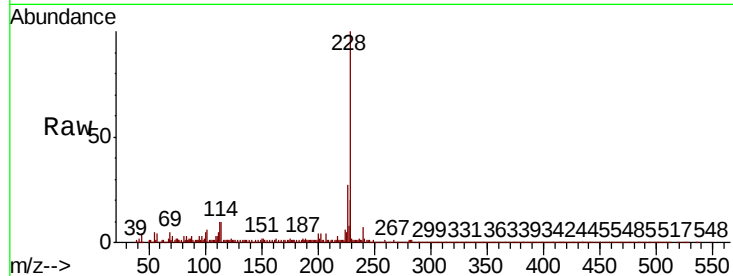
228 100

229 20.5 16.0 24.0

226 26.8 20.5 30.7

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#84

Chrysene

Concen: 29.096 ng/ul

RT: 21.19 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

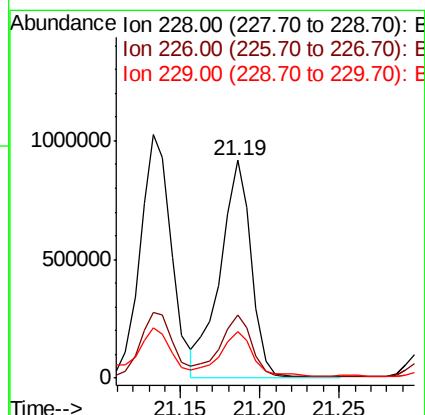
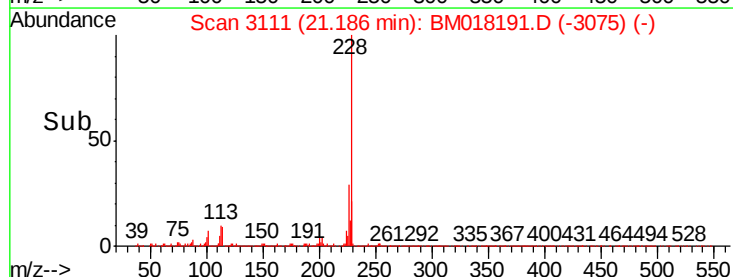
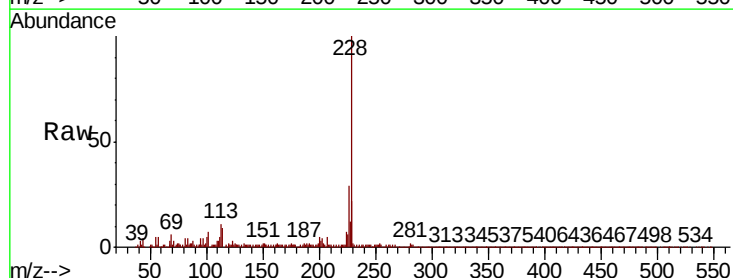
Tgt Ion:228 Resp: 1237960

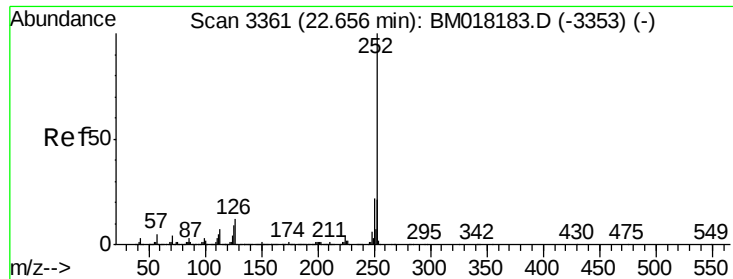
Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

229 21.5 15.5 23.3





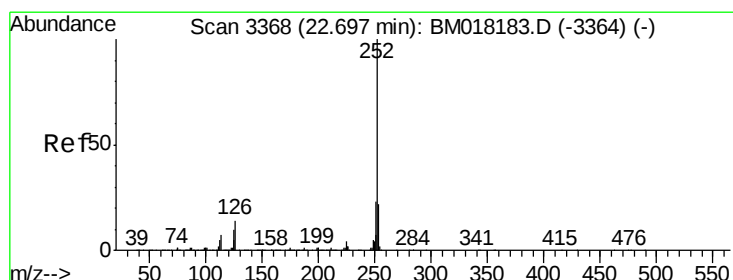
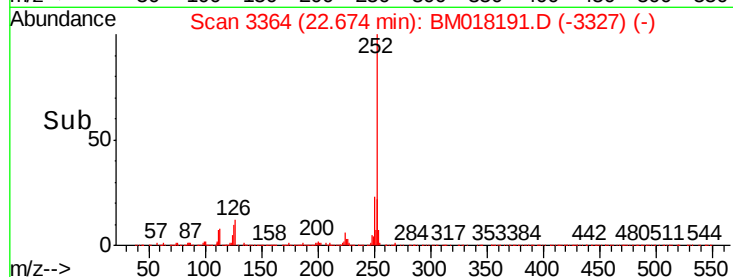
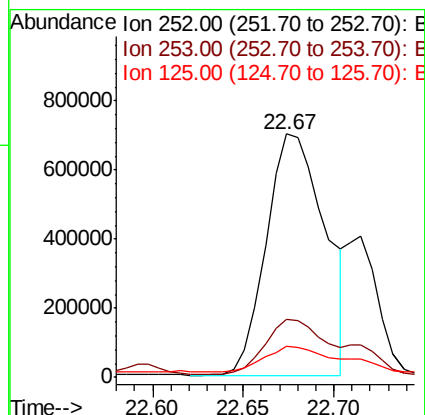
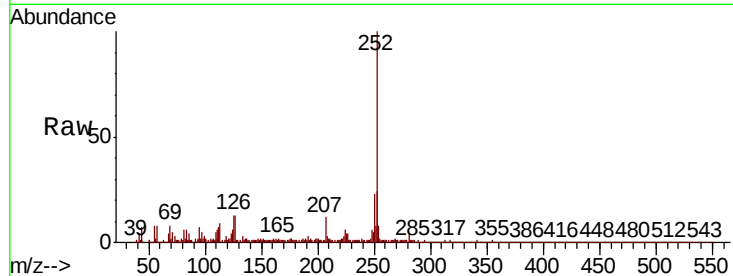
#87
Benzo(b)fluoranthene
Concen: 34.534 ng/ul
RT: 22.67 min Scan# 3364
Delta R.T. 0.02 min
Lab File: BM018191.D
Acq: 15 Dec 2018 05:47

Instrument :
BNA_M
ClientSampled :
BE8B5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	12.7	7.8	11.6

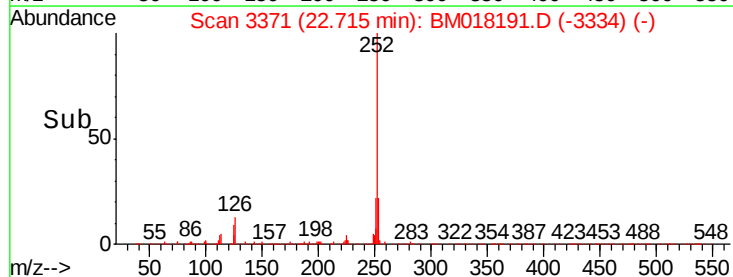
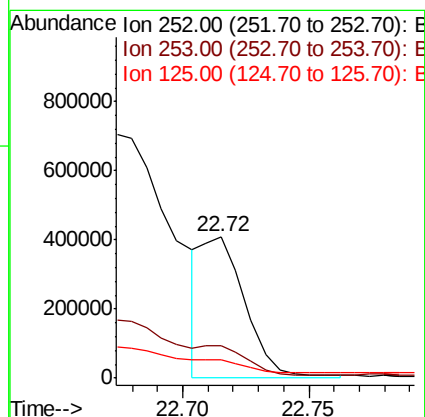
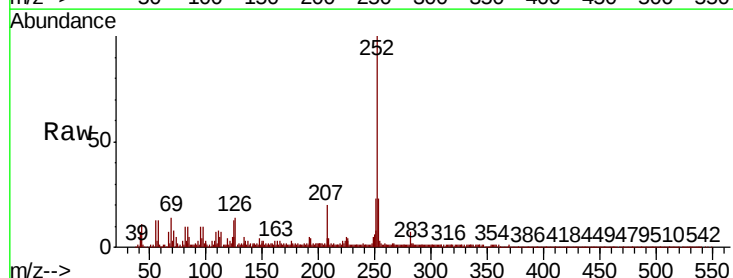
Manual Integrations
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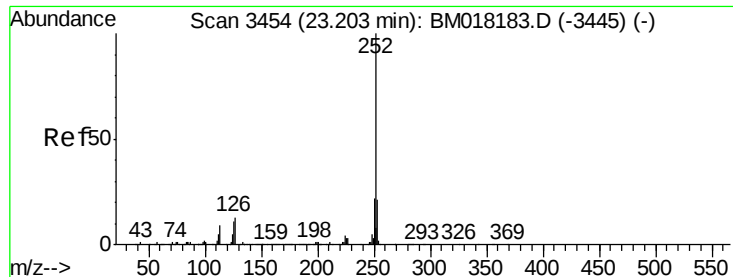
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#88
Benzo(k)fluoranthene
Concen: 10.603 ng/ul m
RT: 22.72 min Scan# 3371
Delta R.T. 0.02 min
Lab File: BM018191.D
Acq: 15 Dec 2018 05:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	12.7	7.8	11.8





#90

Benzo(a)pyrene

Concen: 26.031 ng/ul

RT: 23.22 min Scan# 3457

Delta R.T. 0.02 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Instrument :

BNA_M

ClientSampleId :

BE8B5

Tot Ion:252 Resp: 1178487

Ion Ratio Lower Upper

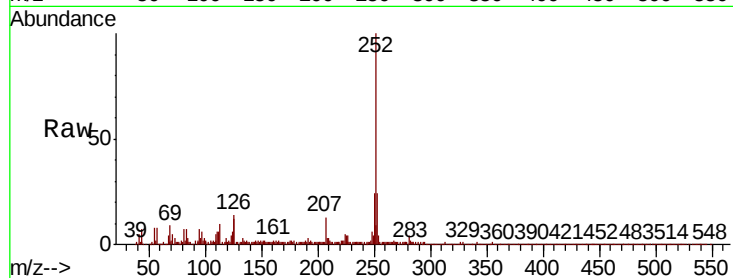
252 100

253 23.7 17.4 26.0

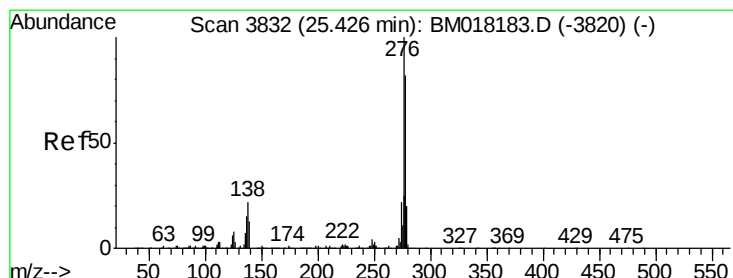
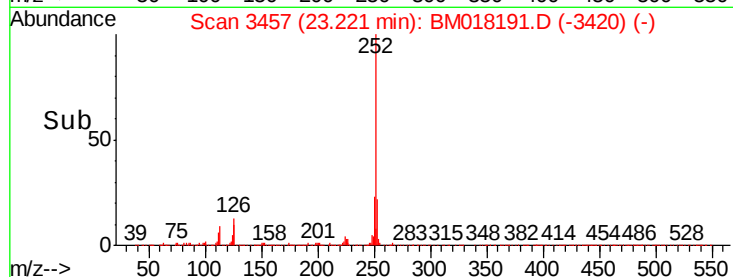
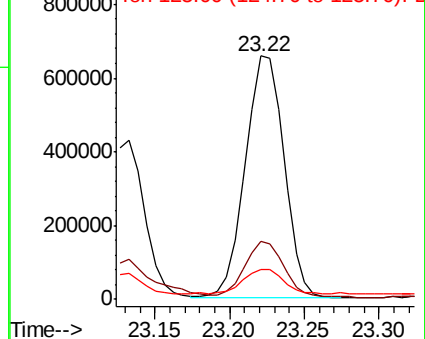
125 12.4 9.0 13.4

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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



#91

Indeno(1,2,3-cd)pyrene

Concen: 14.733 ng/ul

RT: 25.46 min Scan# 3837

Delta R.T. 0.03 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

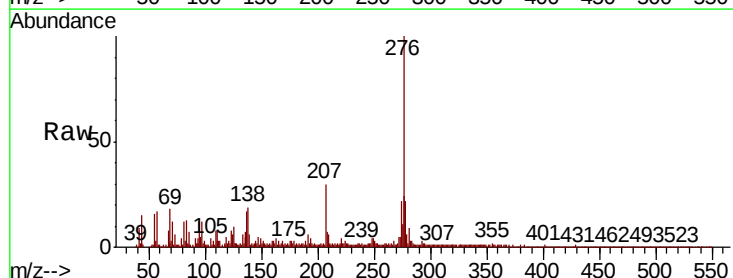
Tgt Ion:276 Resp: 756878

Ion Ratio Lower Upper

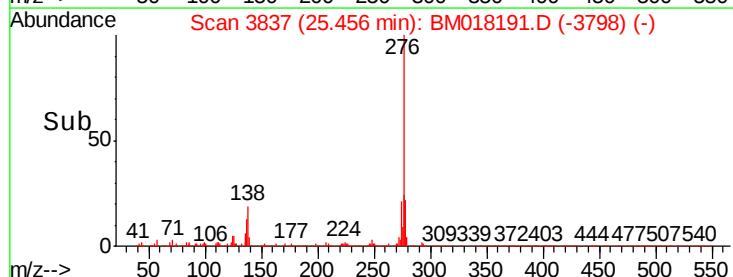
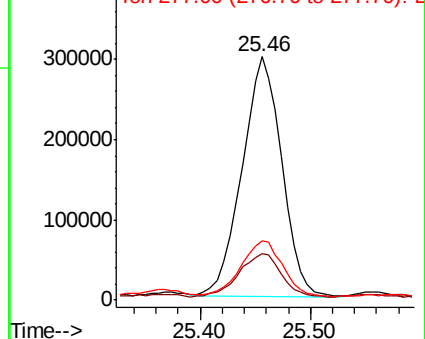
276 100

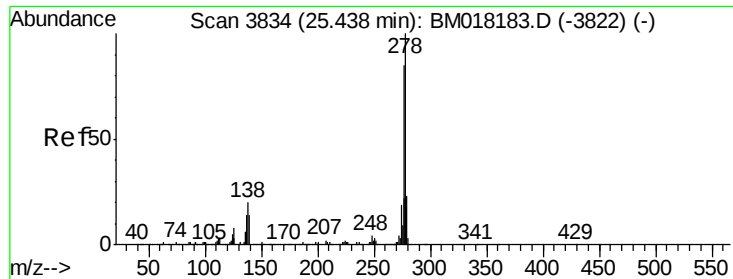
138 19.1 18.6 28.0

277 24.5 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





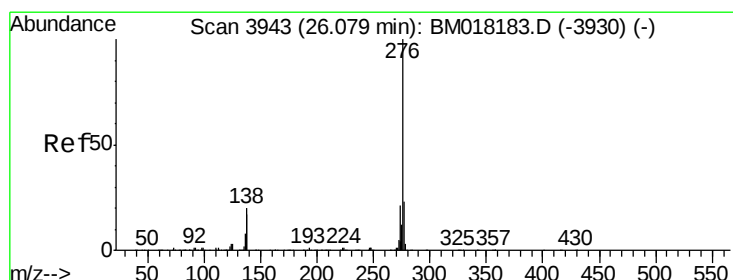
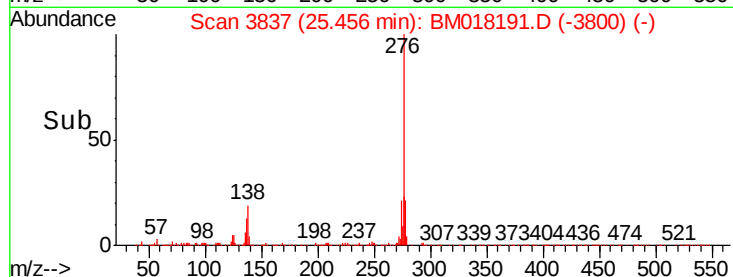
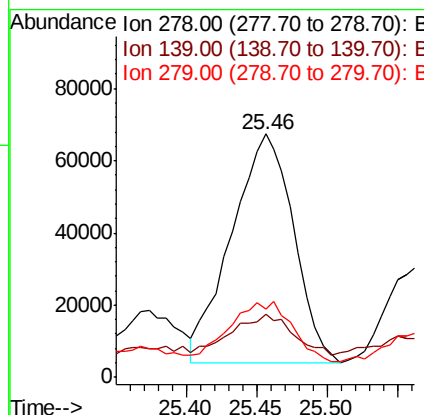
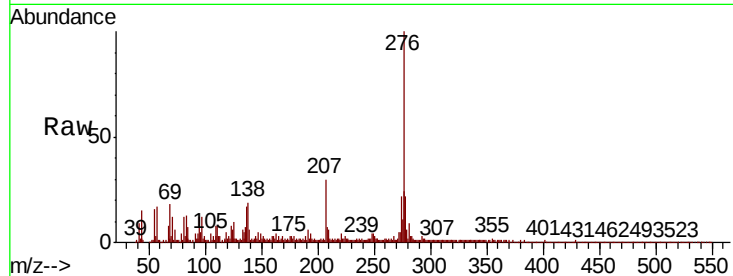
#92
Dibenzo(a,h)anthracene
Concen: 4.450 ng/ul
RT: 25.46 min Scan# 3837
Delta R.T. 0.02 min
Lab File: BM018191.D
Acq: 15 Dec 2018 05:47

Instrument :
BNA_M
ClientSampleId :
BE8B5

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.7	12.6	19.0#
279	27.9	19.6	29.4

Manual Integrations
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#93
Benzo(g,h,i)perylene
Concen: 14.667 ng/ul
RT: 26.11 min Scan# 3949
Delta R.T. 0.04 min
Lab File: BM018191.D
Acq: 15 Dec 2018 05:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.5	15.4	23.2
277	26.6	19.0	28.4

