

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
 Data File : BM017333.D
 Acq On : 25 Oct 2018 00:44
 Operator : MJ/SJ
 Sample : J5598-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD4

Manual Integrations
 APPROVED

Sohil
 10/25/2018 3:34:16 PM

Quant Time: Oct 25 02:56:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 25 02:39:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	352703	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1603444	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	929863	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	2146825	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	2374399	20.00	ng/ul	0.00
86) Perylene-d12	23.47	264	2140373	20.00	ng/ul	0.01

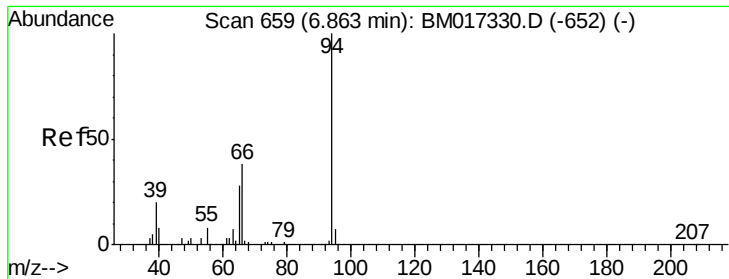
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	21031	2.74	ng/uL	0.00
5) Phenol-d5	6.83	99	551831	17.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	325156	17.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	448431	17.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	430112	16.88	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	222882	17.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	261149	18.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	460261	17.63	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	467445	21.93	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1459270	18.30	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1847538	19.08	ng/ul	0.00
52) 4-Nitrophenol-d4	14.52	143	213696	14.34	ng/ul	0.00
58) Fluorene-d10	15.29	176	1295105	18.70	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	221652	14.82	ng/ul	0.00
71) Anthracene-d10	17.14	188	2036182	19.16	ng/ul	0.00
79) Pyrene-d10	19.45	212	2298457	20.89	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.33	264	2185096	19.33	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	6.86	94	180526	5.643	ng/ul	98
28) Naphthalene	10.47	128	452615	5.396	ng/ul	99
34) 2-Methylnaphthalene	12.10	142	167146	2.712	ng/ul	98
45) Dimethylphthalate	13.76	163	365104	4.726	ng/ul	100
48) Acenaphthylene	14.02	152	877633	9.658	ng/ul	99
54) Dibenzofuran	14.70	168	366774	3.979	ng/ul	98
70) Phenanthrene	17.09	178	1502209	12.186	ng/ul	99
72) Anthracene	17.18	178	1802026	14.392	ng/ul	99
75) Carbazole	17.46	167	451943	4.128	ng/ul	100
77) Fluoranthene	19.12	202	10101741	71.487	ng/ul	98
80) Pyrene	19.49	202	13330557m	96.682	ng/ul	
83) Benzo(a)anthracene	21.23	228	6350455	43.706	ng/ul	93
85) Chrysene	21.29	228	9279410	67.161	ng/ul	96
88) Benzo(b)fluoranthene	22.83	252	18092085	144.404	ng/ul#	95
89) Benzo(k)fluoranthene	22.86	252	6539181m	53.432	ng/ul	
91) Benzo(a)pyrene	23.38	252	7757238	63.377	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.69	276	6855463	46.033	ng/ul	97
93) Dibenzo(a,h)anthracene	25.69	278	1685033m	13.550	ng/ul	
94) Benzo(g,h,i)perylene	26.37	276	5552070	43.884	ng/ul	99

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



#6

Phenol

Concen: 5.643 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM017333.D

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Instrument :

BNA_M

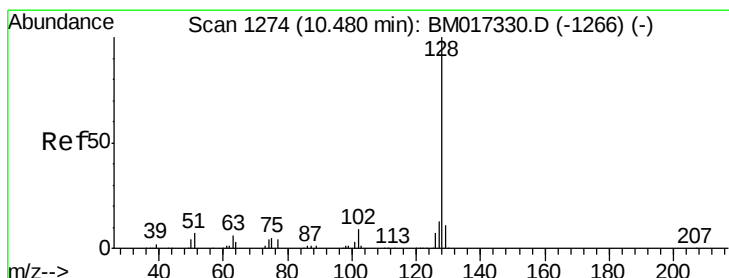
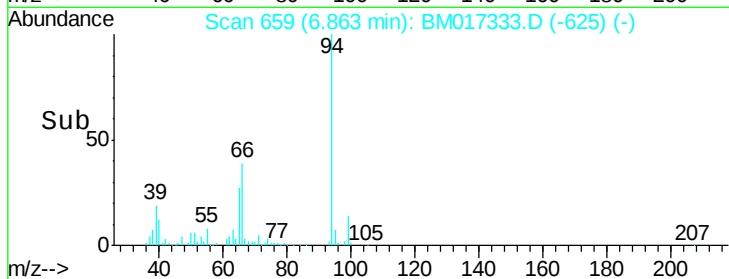
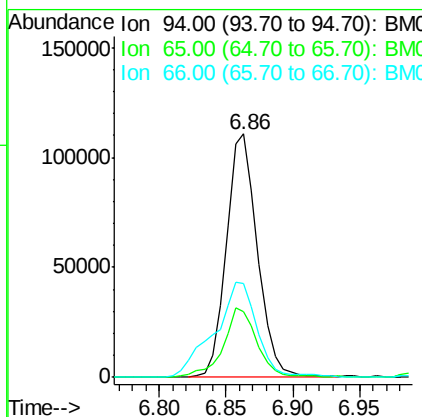
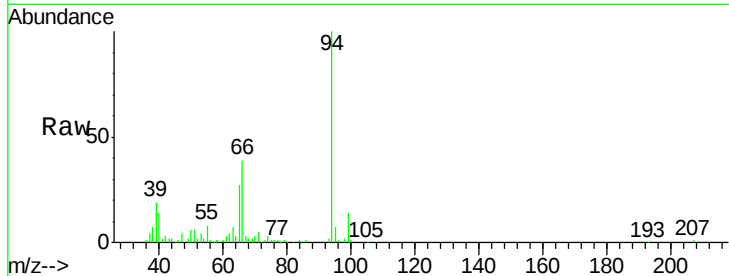
ClientSampled :

C0AD4

Tgt Ion:	94	Resp:	180526
Ion Ratio	Lower	Upper	
94	100		
65	27.2	24.0	36.0
66	38.8	31.1	46.7

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#28

Naphthalene

Concen: 5.396 ng/ul

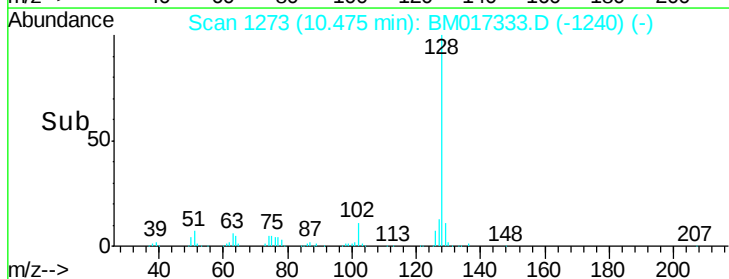
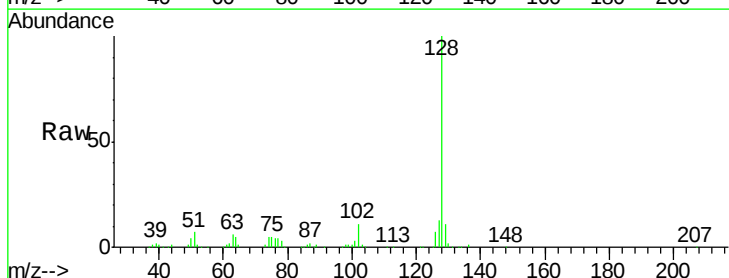
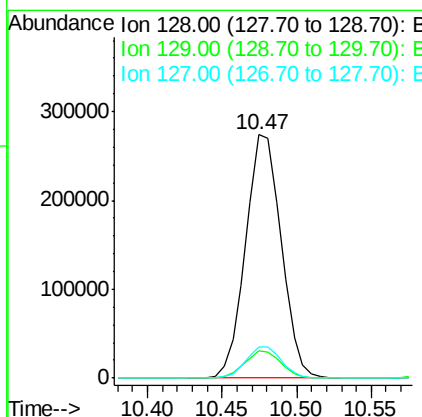
RT: 10.47 min Scan# 1273

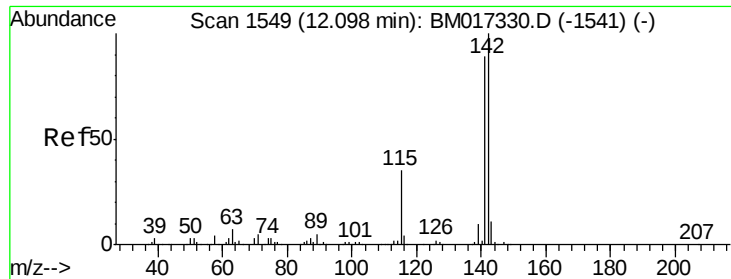
Delta R.T. -0.01 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Tgt Ion:	128	Resp:	452615
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.6	12.8
127	13.0	10.3	15.5





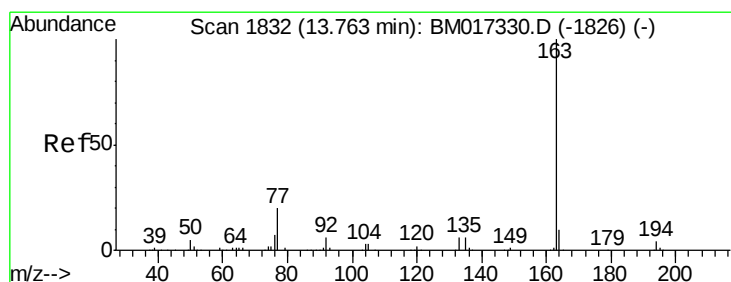
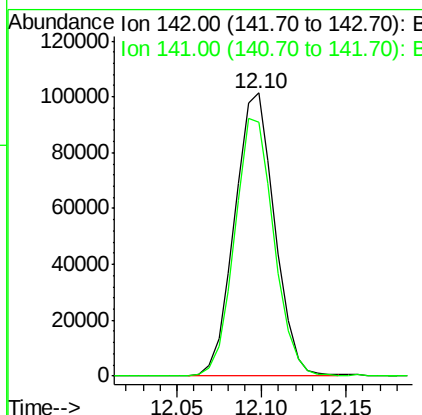
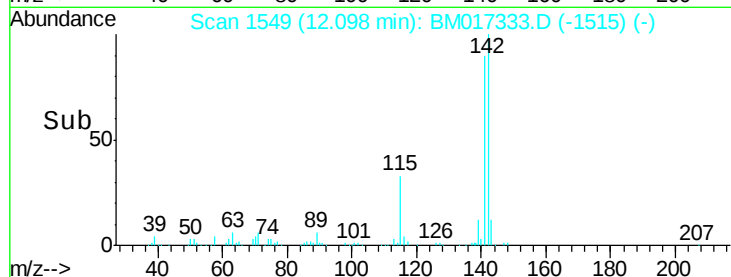
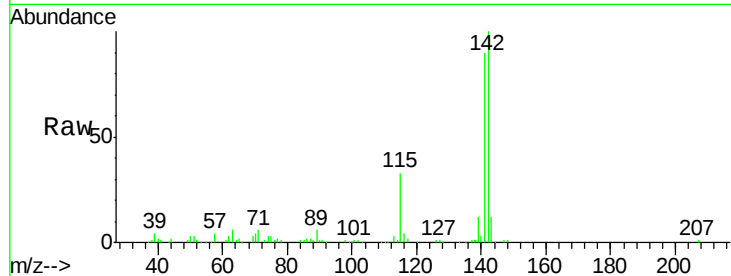
#34
2-Methylnaphthalene
Concen: 2.712 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM017333.D
Acq: 25 Oct 2018 00:44

Instrument :
BNA_M
ClientSampleId :
C0AD4

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.4	105.6

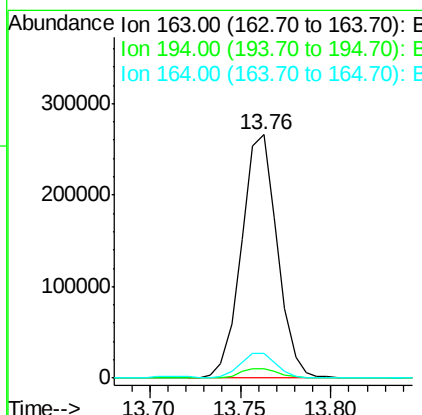
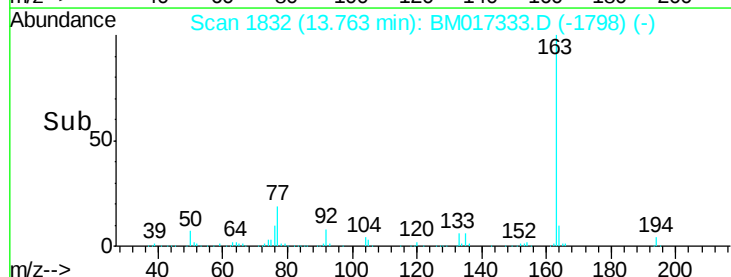
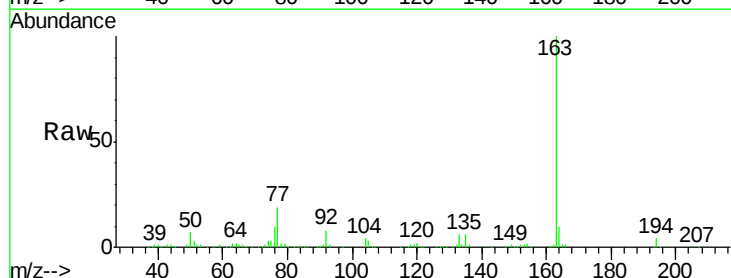
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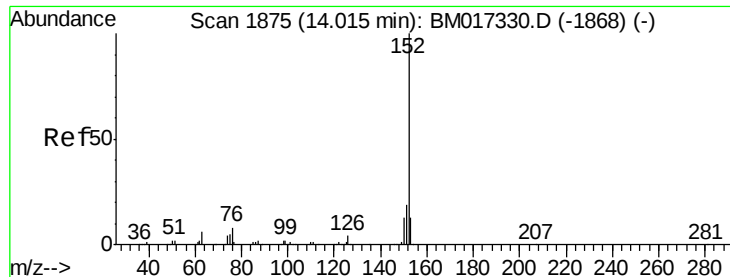
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#45
Dimethylphthalate
Concen: 4.726 ng/ul
RT: 13.76 min Scan# 1832
Delta R.T. 0.00 min
Lab File: BM017333.D
Acq: 25 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	9.9	8.1	12.1





#48

Acenaphthylene

Concen: 9.658 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Instrument :

BNA_M

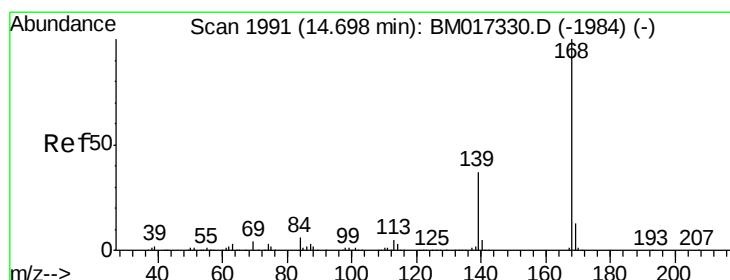
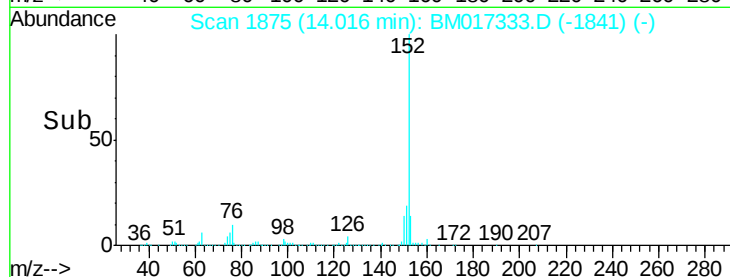
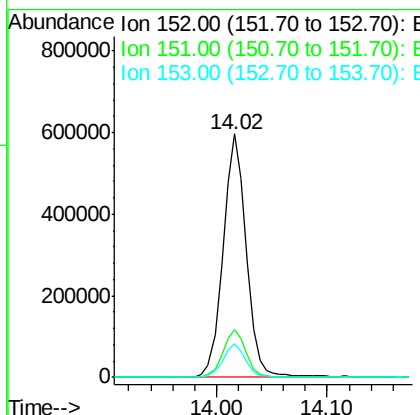
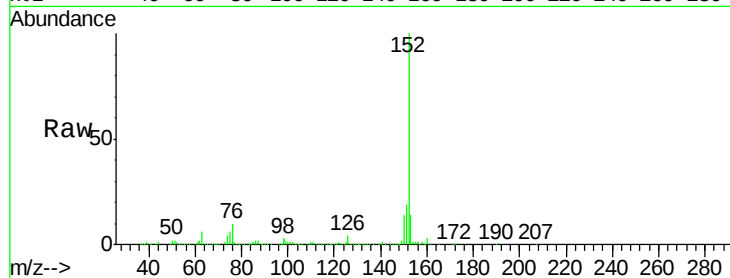
ClientSampleId :

C0AD4

Tgt Ion:	152	Resp:	877633
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.3	22.9
153	13.6	10.2	15.4

Manual Integrations
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#54

Dibenzofuran

Concen: 3.979 ng/ul

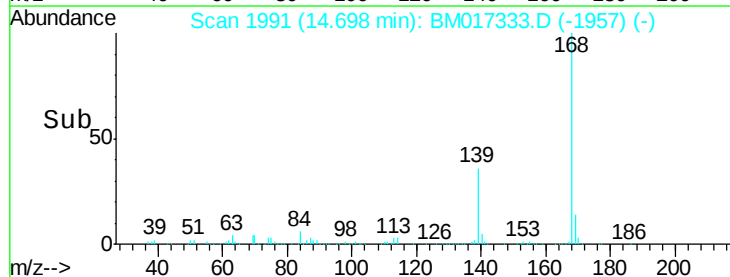
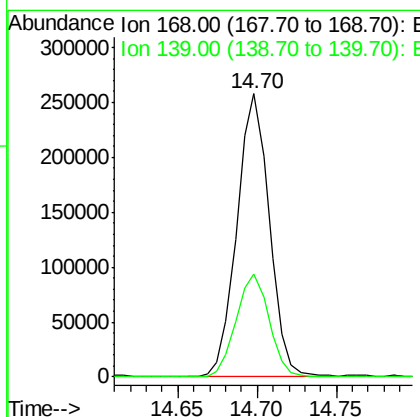
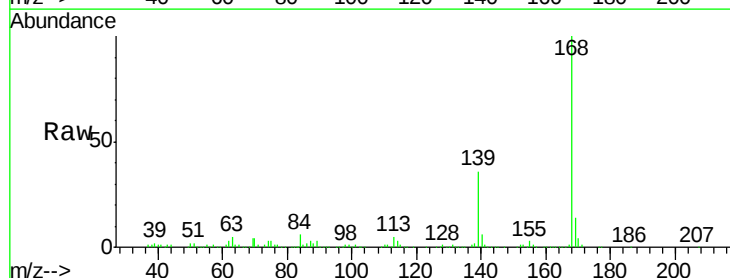
RT: 14.70 min Scan# 1991

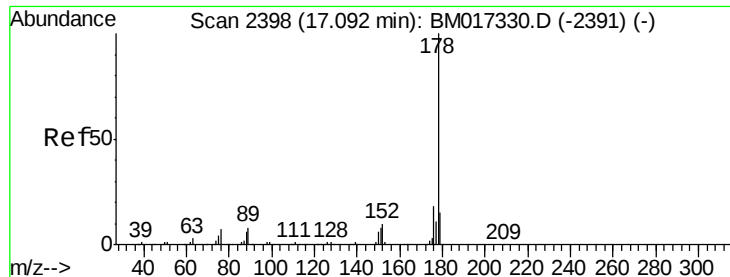
Delta R.T. 0.00 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Tgt Ion:	168	Resp:	366774
Ion Ratio	Lower	Upper	
168	100		
139	36.3	30.1	45.1





#70

Phenanthrene

Concen: 12.186 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Instrument :

BNA_M

ClientSampled :

C0AD4

Tgt Ion:178 Resp: 1502209

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

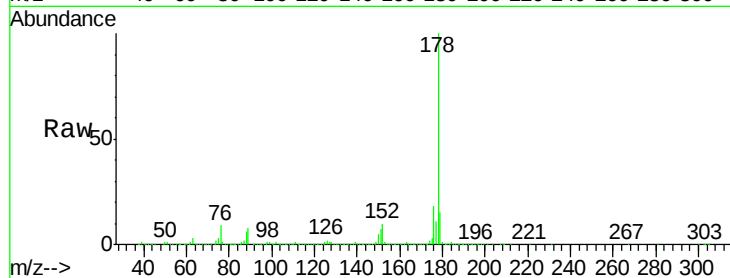
176 18.1 14.9 22.3

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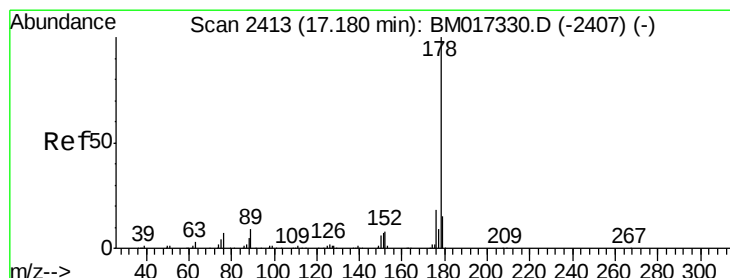
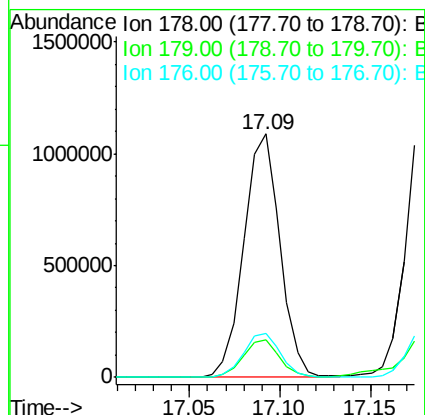
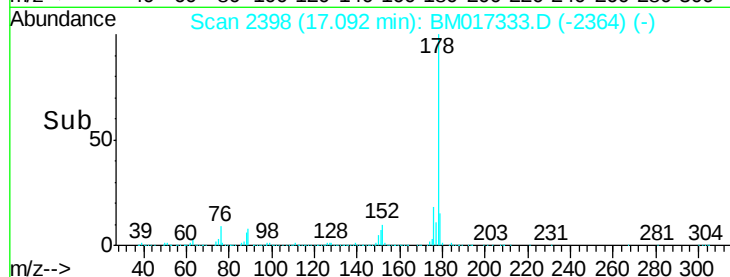
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 14.392 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

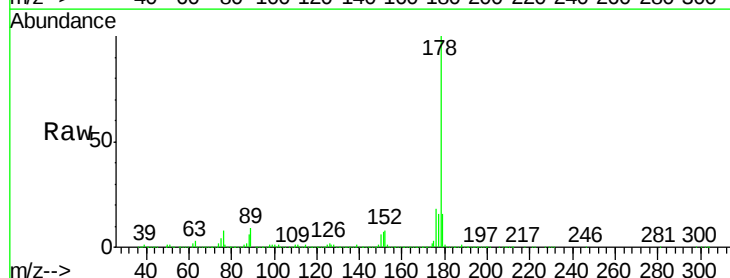
Tgt Ion:178 Resp: 1802026

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

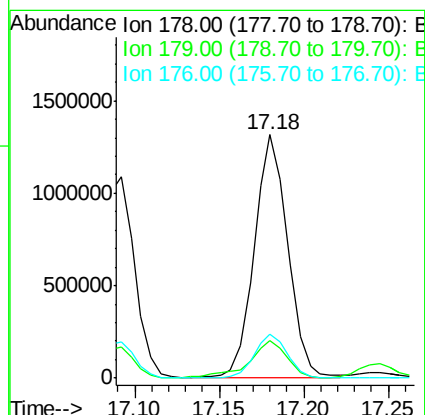
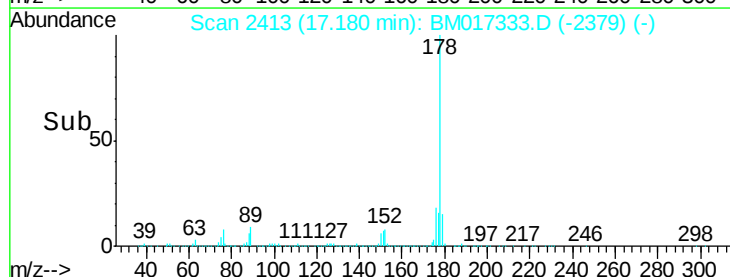
176 17.9 14.2 21.2

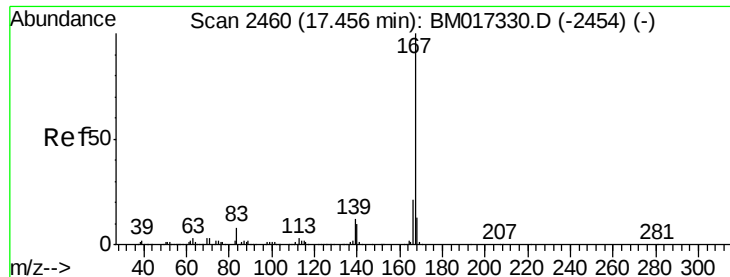


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





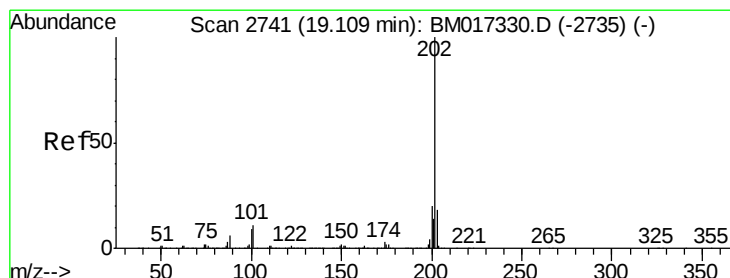
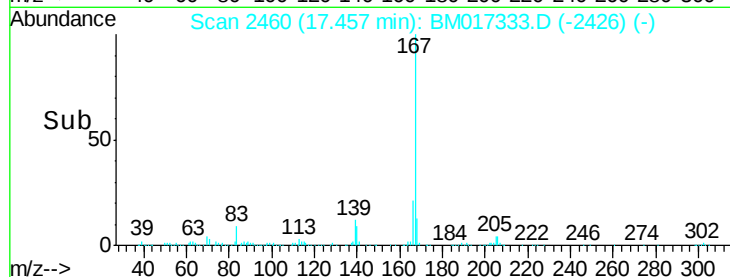
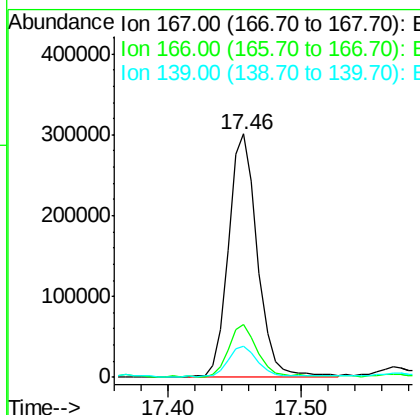
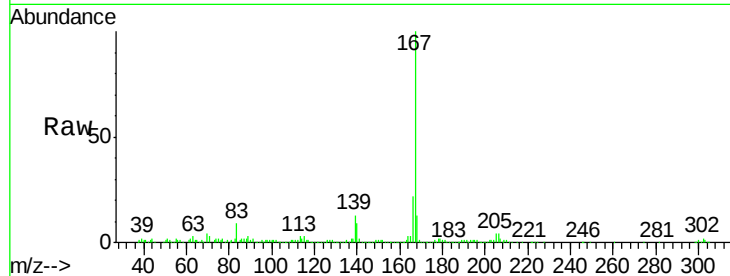
#75
 Carbazole
 Concen: 4.128 ng/ul
 RT: 17.46 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: BM017333.D
 Acq: 25 Oct 2018 00:44

Instrument :
 BNA_M
 ClientSampleId :
 C0AD4

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	12.6	10.0	15.0

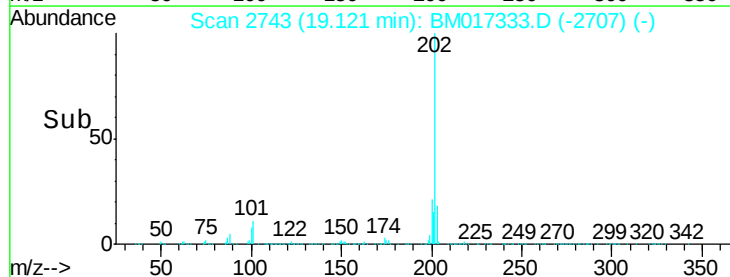
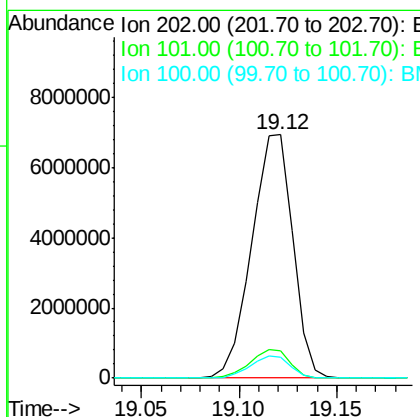
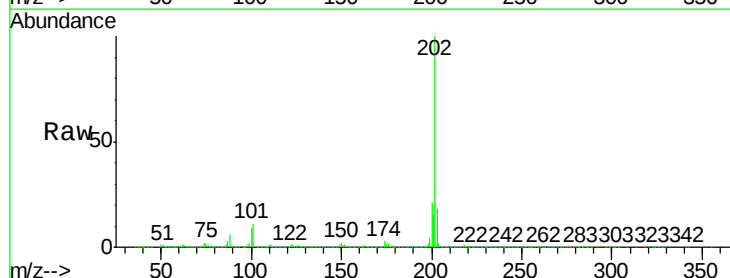
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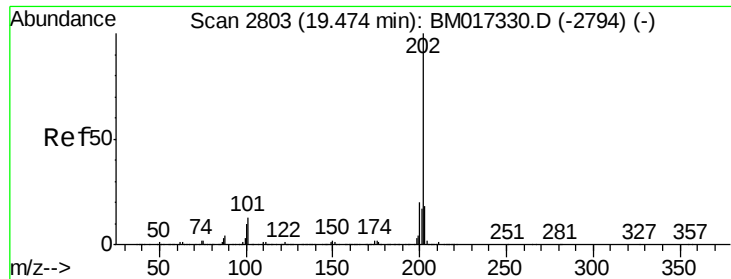
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#77
 Fluoranthene
 Concen: 71.487 ng/ul
 RT: 19.12 min Scan# 2743
 Delta R.T. 0.01 min
 Lab File: BM017333.D
 Acq: 25 Oct 2018 00:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.2	12.4
100	8.6	6.3	9.5





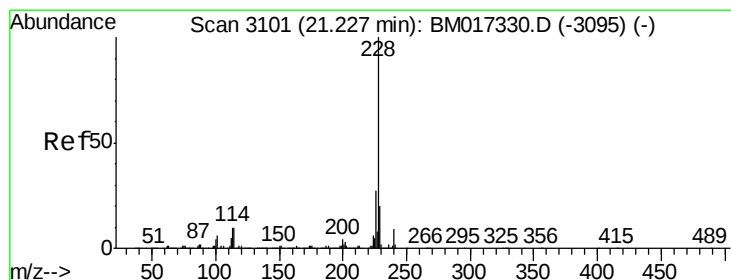
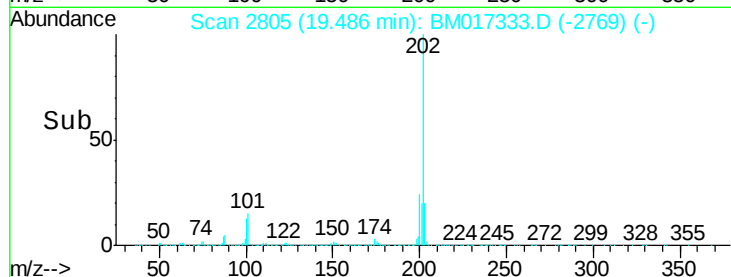
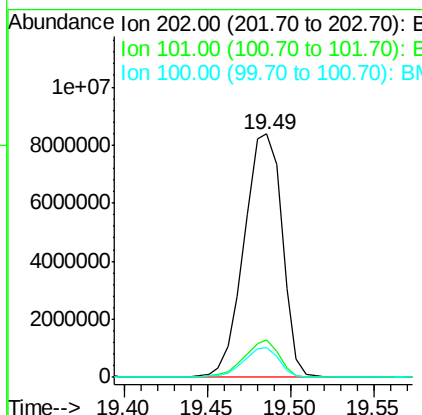
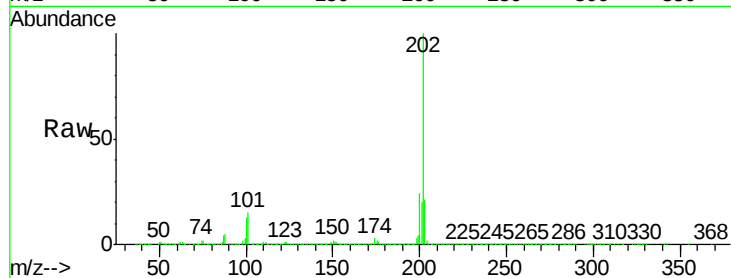
#80
 Pyrene
 Concen: 96.682 ng/ul m
 RT: 19.49 min Scan# 2805
 Delta R.T. 0.01 min
 Lab File: BM017333.D
 Acq: 25 Oct 2018 00:44

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion:202 Resp:13330557
 Ion Ratio Lower Upper
 202 100
 101 15.3 9.5 14.3#
 100 12.5 8.1 12.1#

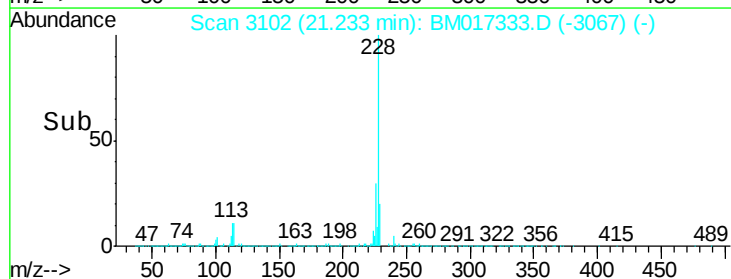
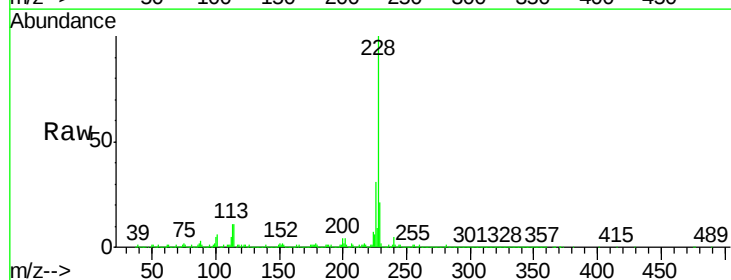
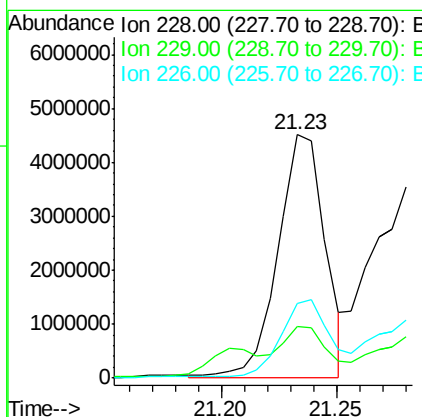
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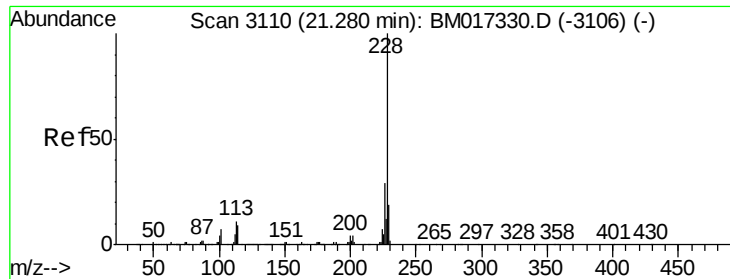
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#83
 Benzo(a)anthracene
 Concen: 43.706 ng/ul
 RT: 21.23 min Scan# 3102
 Delta R.T. 0.01 min
 Lab File: BM017333.D
 Acq: 25 Oct 2018 00:44

Tgt Ion:228 Resp: 6350455
 Ion Ratio Lower Upper
 228 100
 229 21.1 15.6 23.4
 226 30.5 20.8 31.2





#85

Chrysene

Concen: 67.161 ng/u1

RT: 21.29 min Scan# 3112

Delta R.T. 0.01 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Instrument :

BNA_M

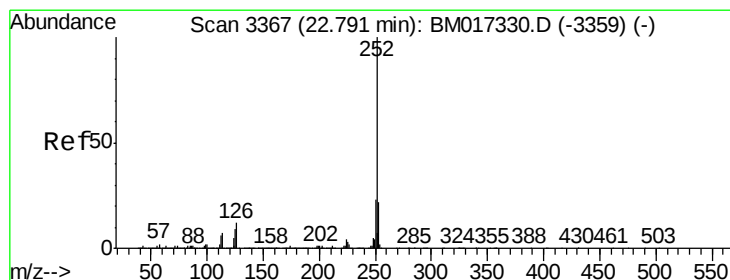
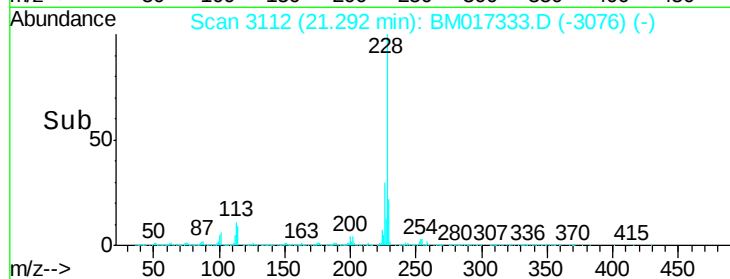
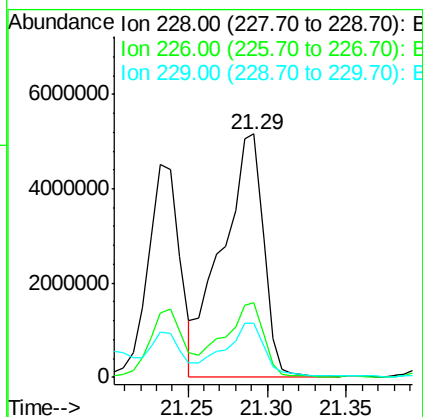
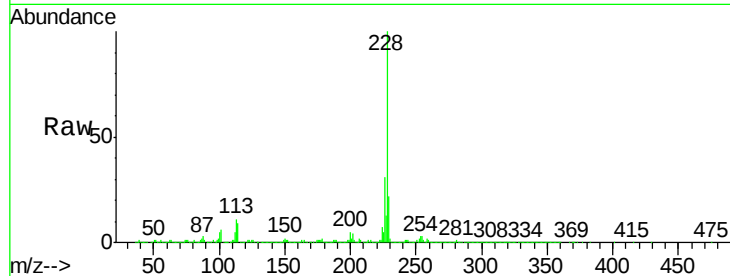
ClientSampleId :

C0AD4

Tgt Ion:	228	Resp:	9279410
Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.3	34.9
229	22.3	15.6	23.4

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 144.404 ng/u1

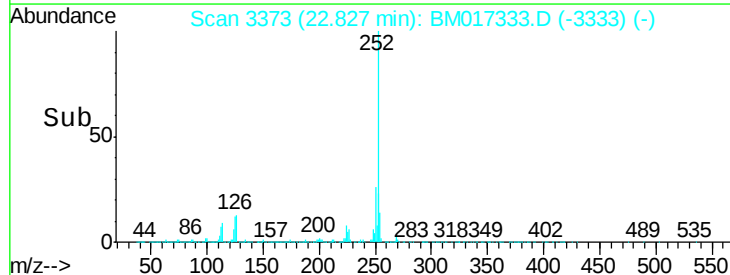
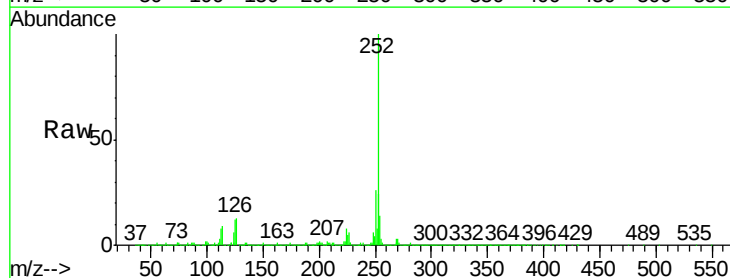
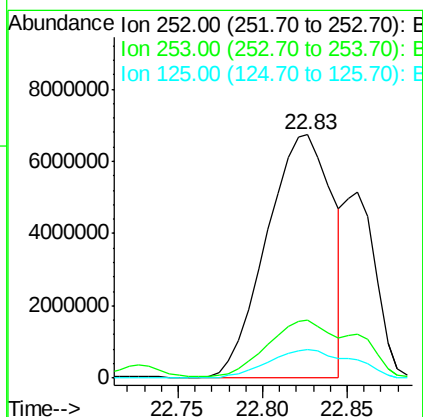
RT: 22.83 min Scan# 3373

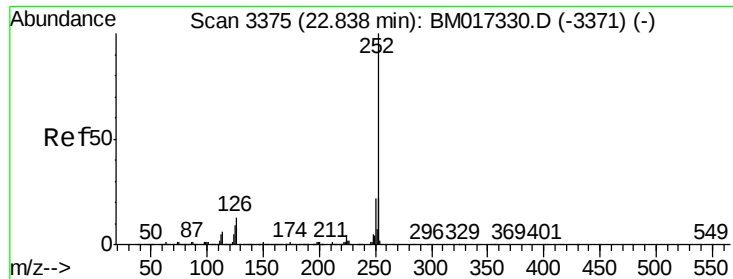
Delta R.T. 0.04 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Tgt Ion:	252	Resp:	18092085
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	11.9	7.2	10.8#





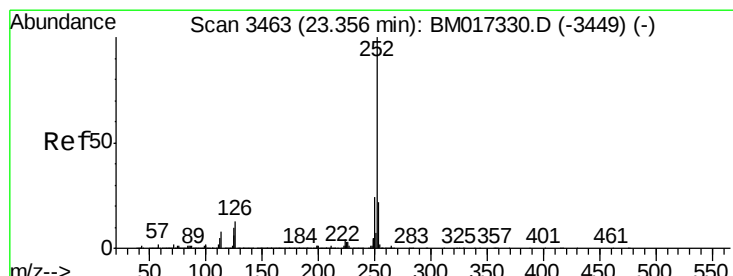
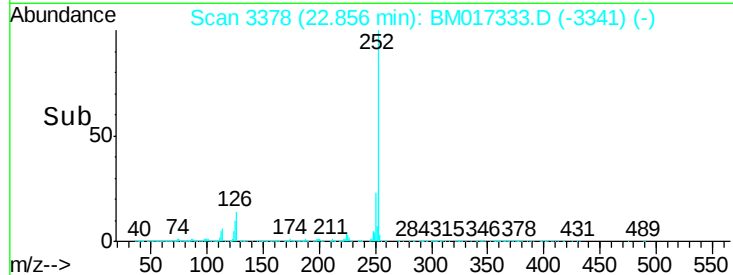
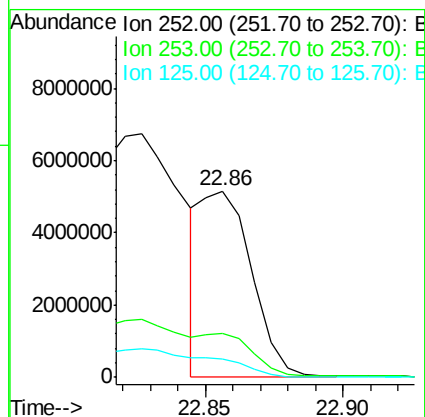
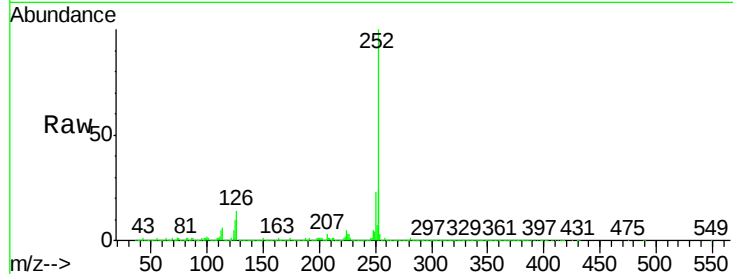
#89
Benzo(k)fluoranthene
Concen: 53.432 ng/ul m
RT: 22.86 min Scan# 3378
Delta R.T. 0.02 min
Lab File: BM017333.D
Acq: 25 Oct 2018 00:44

Instrument :
BNA_M
ClientSampleId :
C0AD4

Tgt Ion:252 Resp: 6539181
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 10.1 7.8 11.6

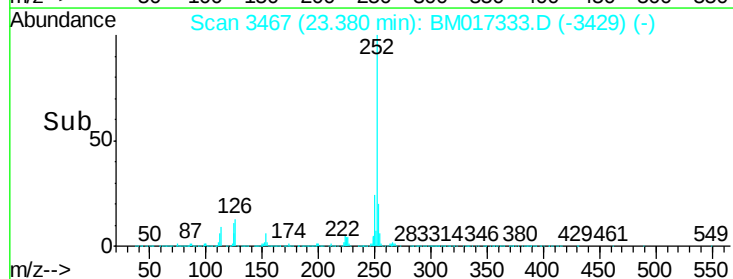
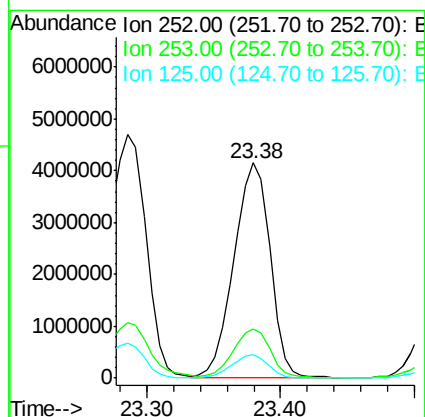
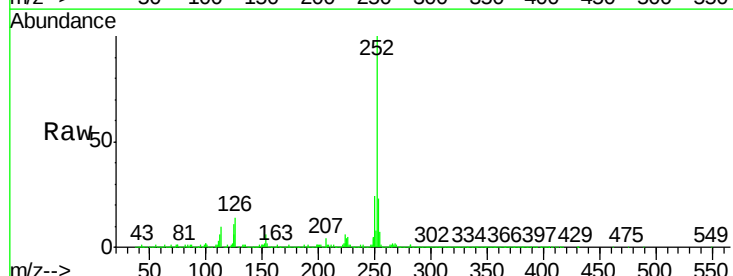
Manual Integrations
APPROVED

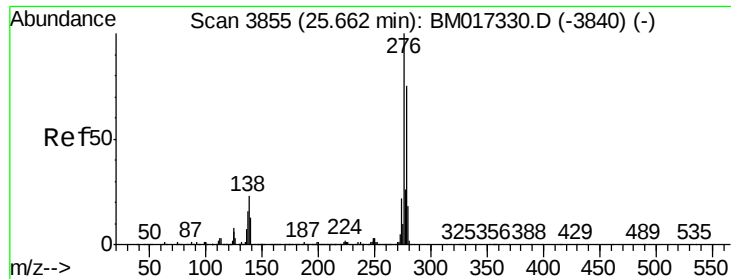
Sohil
10/25/2018 3:34:16 PM



#91
Benzo(a)pyrene
Concen: 63.377 ng/ul
RT: 23.38 min Scan# 3467
Delta R.T. 0.02 min
Lab File: BM017333.D
Acq: 25 Oct 2018 00:44

Tgt Ion:252 Resp: 7757238
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 11.1 8.3 12.5





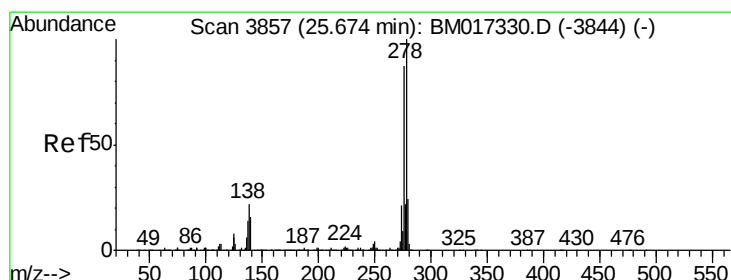
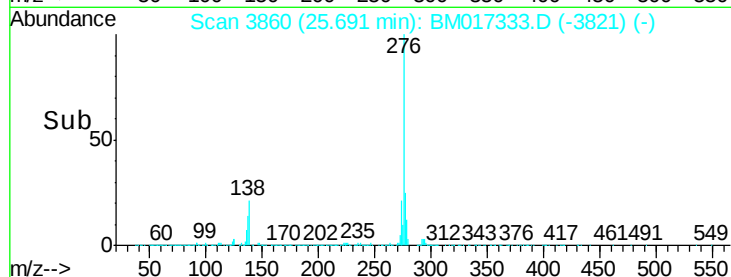
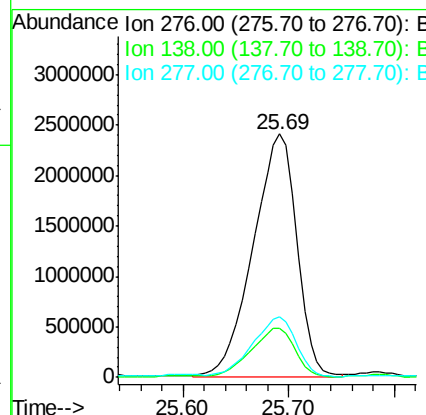
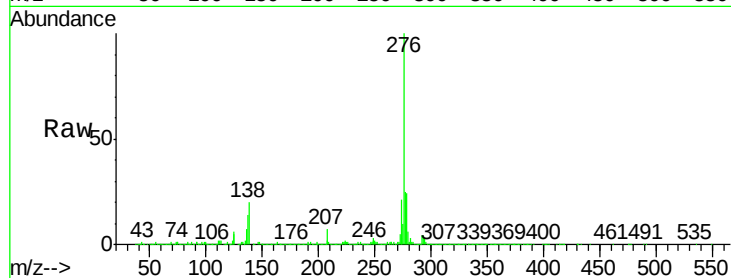
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 46.033 ng/ul
 RT: 25.69 min Scan# 3860
 Delta R.T. 0.03 min
 Lab File: BM017333.D
 Acq: 25 Oct 2018 00:44

Instrument :
 BNA_M
 ClientSampleId :
 C0AD4

Tgt Ion:276 Resp: 6855463
 Ion Ratio Lower Upper
 276 100
 138 20.3 18.1 27.1
 277 24.8 19.6 29.4

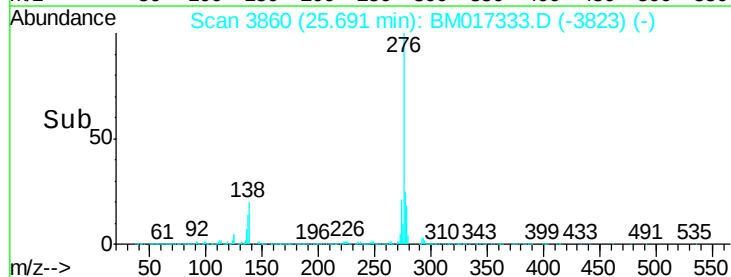
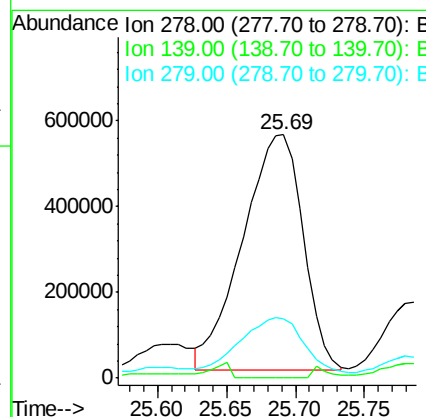
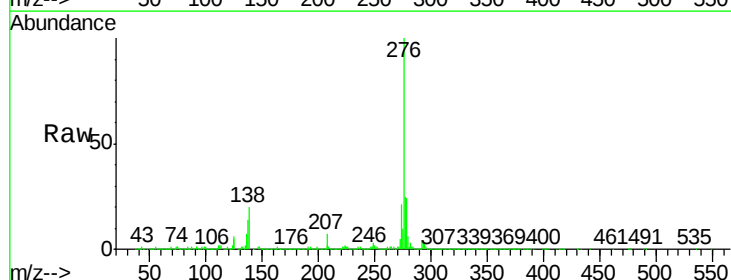
Manual Integrations
 APPROVED

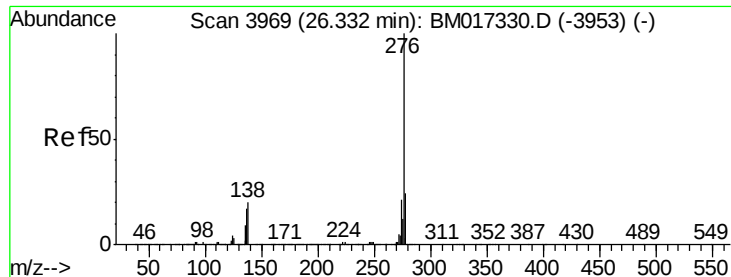
Sohil
 10/25/2018 3:34:16 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 13.550 ng/ul m
 RT: 25.69 min Scan# 3860
 Delta R.T. 0.02 min
 Lab File: BM017333.D
 Acq: 25 Oct 2018 00:44

Tgt Ion:278 Resp: 1685033
 Ion Ratio Lower Upper
 278 100
 139 0.0 12.7 19.1#
 279 24.5 19.0 28.4





#94

Benzo(g,h,i)perylene

Concen: 43.884 ng/ul

RT: 26.37 min Scan# 3975

Delta R.T. 0.04 min

Lab File: BM017333.D

Acq: 25 Oct 2018 00:44

Instrument :

BNA_M

ClientSampleId :

C0AD4

Tgt Ion: 276 Resp: 5552070

Ion Ratio Lower Upper

276 100

138 20.0 16.6 25.0

277 23.8 18.9 28.3

Manual Integrations

APPROVED

Sohil

10/25/2018 3:34:16 PM

