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 Data File : BM031617.D
 Acq On : 09 Aug 2021 23:35
 Operator : CG/JU
 Sample : M3169-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00B0

Manual Integrations
 APPROVED

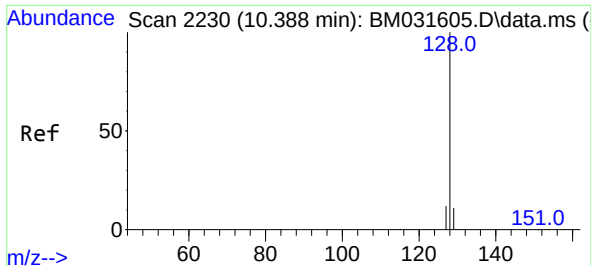
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Quant Time: Aug 10 02:55:46 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM072821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 02:43:39 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.580	152	1378	0.400	ng/ul	0.00
4) Naphthalene-d8	10.338	136	5146	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.212	164	3029	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.961	188	5363	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.156	240	4148	0.400	ng/ul	# 0.00
23) Perylene-d12	23.312	264	4140	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.186	96	3242	2.118	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.935	152	1440	0.166	ng/ul	0.00
18) Fluoranthene-d10	18.997	212	2709	0.196	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.388	128	13904	0.907	ng/ul	98
7) 2-Methylnaphthalene	12.007	142	10384	0.992	ng/ul	100
8) 1-Methylnaphthalene	12.232	142	6004	0.580	ng/ul	100
10) Acenaphthylene	13.932	152	20878	1.618	ng/ul	98
11) Acenaphthene	14.273	153	2924	0.269	ng/ul	98
12) Fluorene	15.266	166	7609	0.609	ng/ul#	96
15) Phenanthrene	17.002	178	135424	7.952	ng/ul	97
16) Anthracene	17.096	178	34275	2.150	ng/ul	98
19) Fluoranthene	19.028	202	267421	15.098	ng/ul	98
20) Pyrene	19.390	202	219901	12.240	ng/ul	97
21) Benzo(a)anthracene	21.139	228	108118	6.455	ng/ul	97
22) Chrysene	21.193	228	106764	6.161	ng/ul	97
24) Benzo(b)fluoranthene	22.677	252	143143m	7.674	ng/ul	
25) Benzo(k)fluoranthene	22.711	252	53681m	2.785	ng/ul	
26) Benzo(a)pyrene	23.220	252	97773	5.985	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	25.449	276	71726	3.397	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.451	278	17382	1.021	ng/ul#	84
29) Benzo(g,h,i)perylene	26.098	276	24811	1.377	ng/ul#	93

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



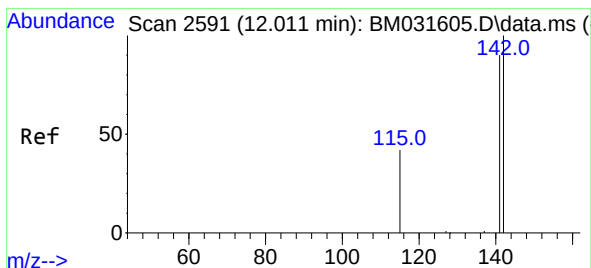
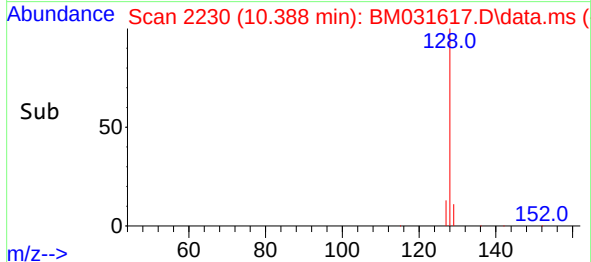
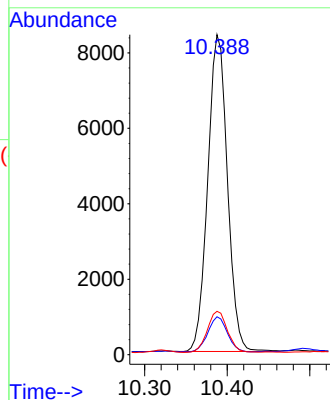
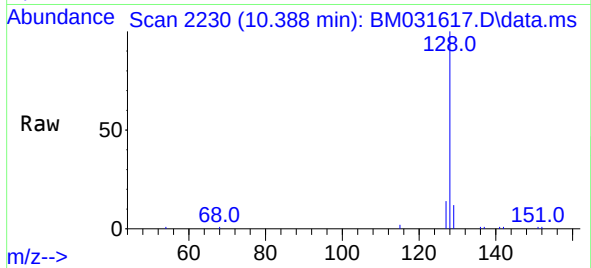
#5
Naphthalene
Concen: 0.907 ng/ul
RT: 10.388 min Scan# 2230
Delta R.T. -0.000 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35

Tgt Ion:	128	Resp:	13904
Ion	Ratio	Lower	Upper
128	100		
129	11.9	10.0	15.0
127	13.5	11.6	17.4

Instrument :
BNA_M
ClientSampled :
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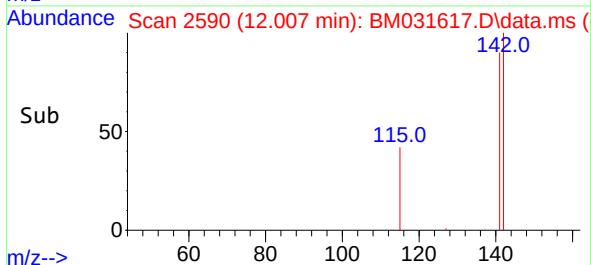
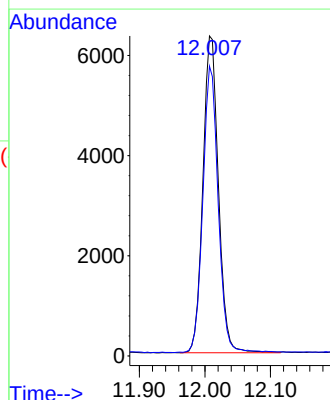
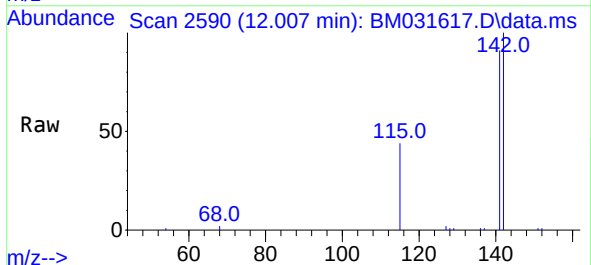
Manual Integrations
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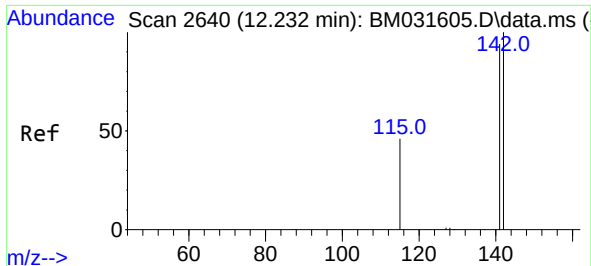
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#7
2-Methylnaphthalene
Concen: 0.992 ng/ul
RT: 12.007 min Scan# 2590
Delta R.T. -0.005 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35

Tgt Ion:	142	Resp:	10384
Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.4	107.0





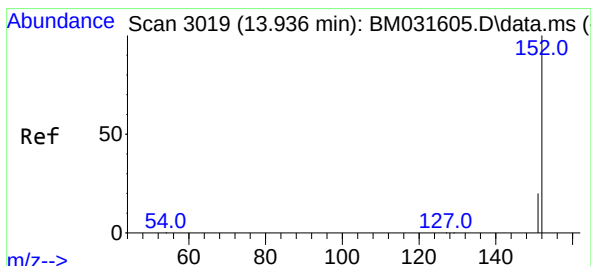
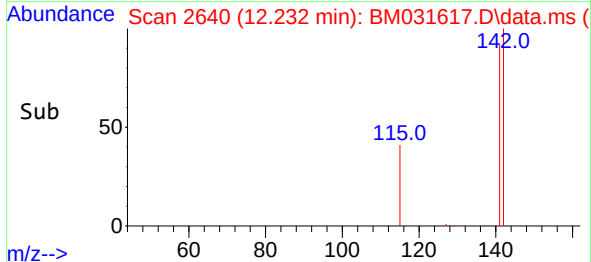
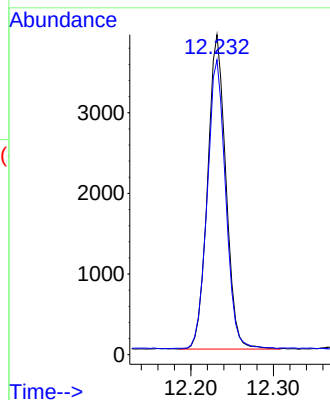
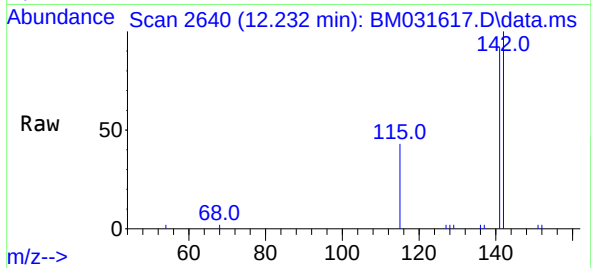
#8
1-Methylnaphthalene
Concen: 0.580 ng/ul
RT: 12.232 min Scan# 2640
Delta R.T. -0.000 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35

Tgt Ion:142 Resp: 6004
Ion Ratio Lower Upper
142 100
141 92.6 74.1 111.1

Instrument :
BNA_M
ClientSampled :
C00B0

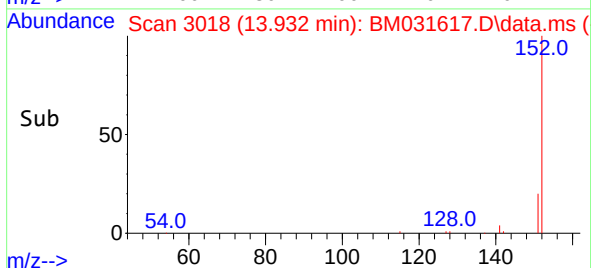
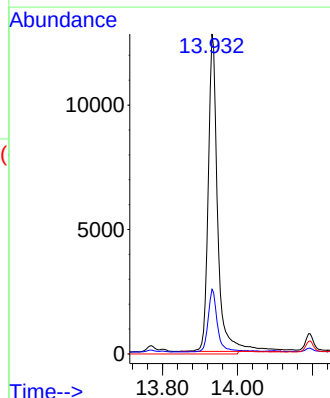
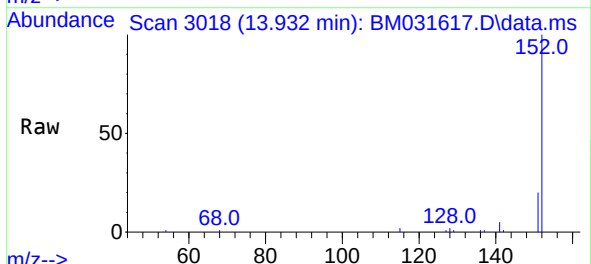
Manual Integrations
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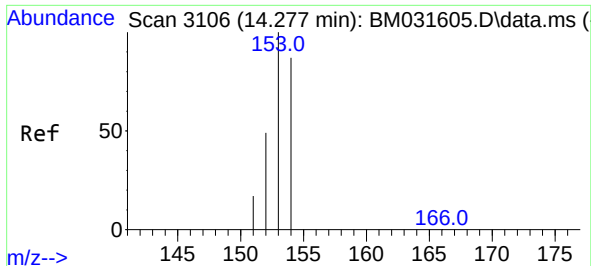
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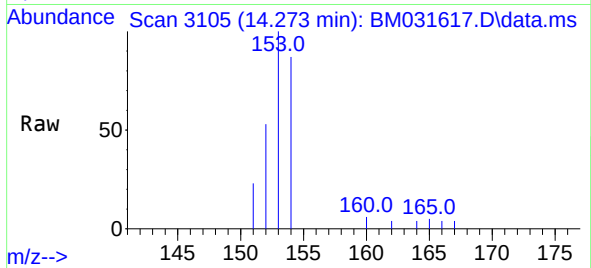
#10
Acenaphthylene
Concen: 1.618 ng/ul
RT: 13.932 min Scan# 3018
Delta R.T. -0.000 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35

Tgt Ion:152 Resp: 20878
Ion Ratio Lower Upper
152 100
151 20.2 16.9 25.3
153 0.0 0.0 0.0



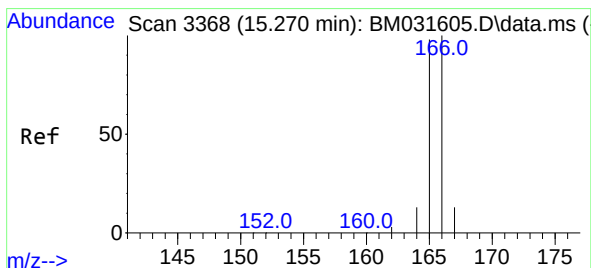
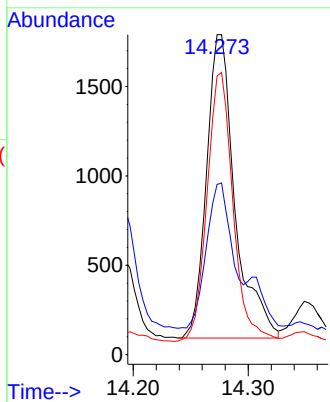
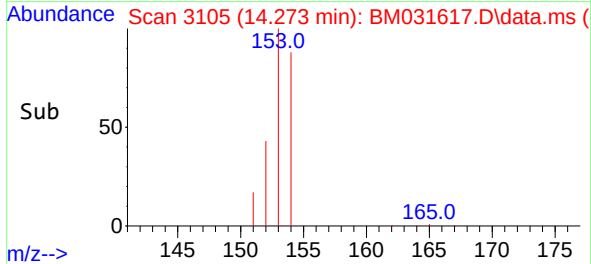


#11
Acenaphthene
Concen: 0.269 ng/ul
RT: 14.273 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35

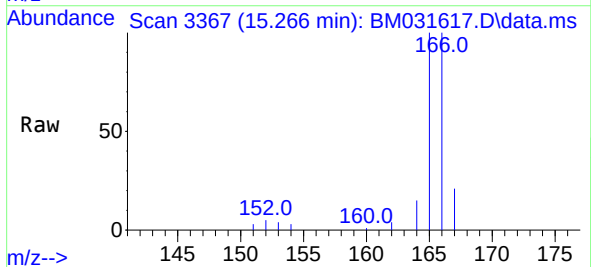


Tgt Ion:153 Resp: 2924

Ion	Ratio	Lower	Upper
153	100		
152	53.2	40.7	61.1
154	87.1	70.2	105.2

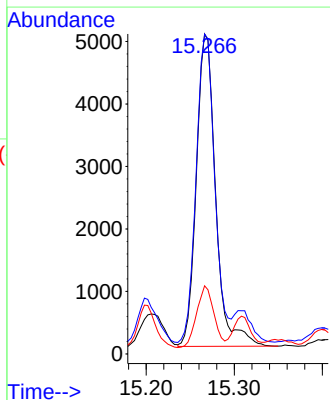
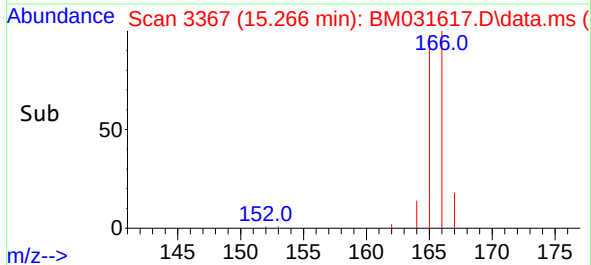


#12
Fluorene
Concen: 0.609 ng/ul
RT: 15.266 min Scan# 3367
Delta R.T. -0.004 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35



Tgt Ion:166 Resp: 7609

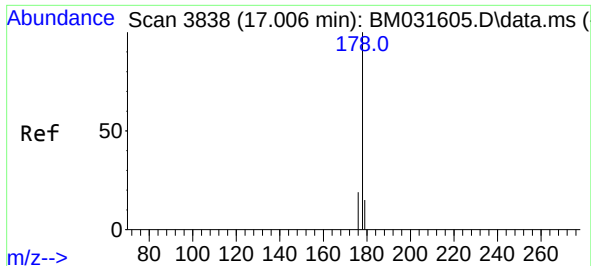
Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.0	117.0
167	21.3	12.0	18.0



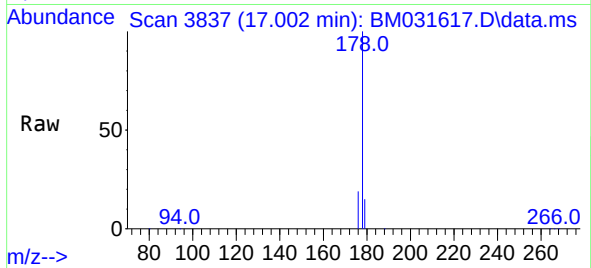
Instrument :
BNA_M
ClientSampleId :
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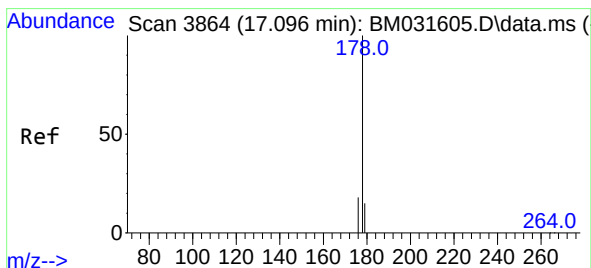
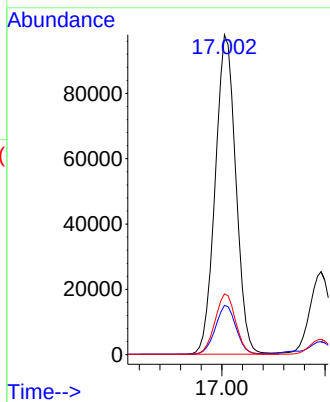
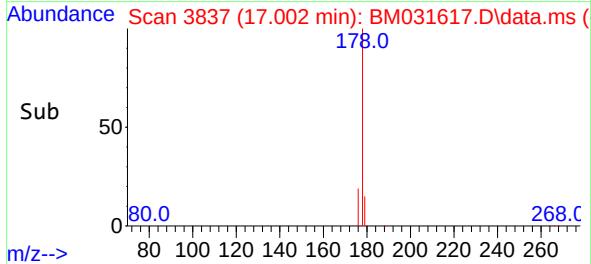
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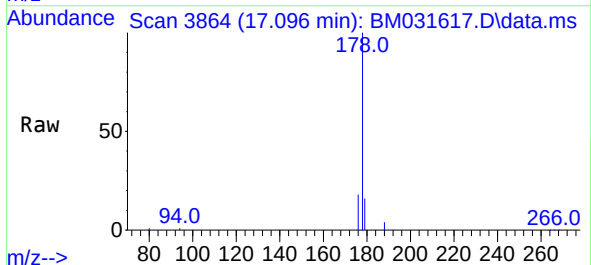
#15
Phenanthrene
Concen: 7.952 ng/u1
RT: 17.002 min Scan# 3837
Delta R.T. -0.007 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35



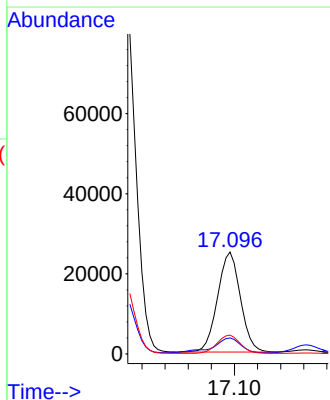
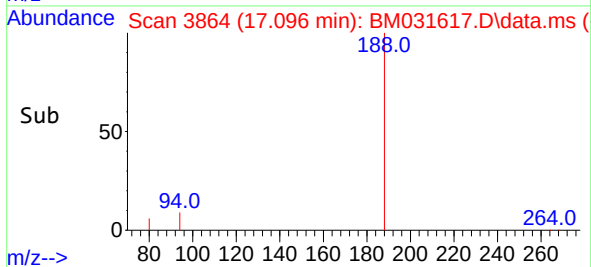
Tgt Ion:178 Resp: 135424
Ion Ratio Lower Upper
178 100
179 15.4 13.3 19.9
176 19.0 16.2 24.4



#16
Anthracene
Concen: 2.150 ng/u1
RT: 17.096 min Scan# 3864
Delta R.T. -0.007 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35



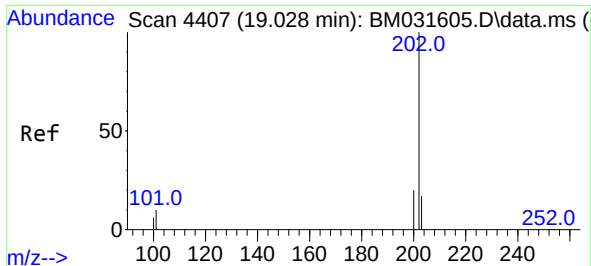
Tgt Ion:178 Resp: 34275
Ion Ratio Lower Upper
178 100
179 15.7 13.0 19.6
176 18.5 15.6 23.4



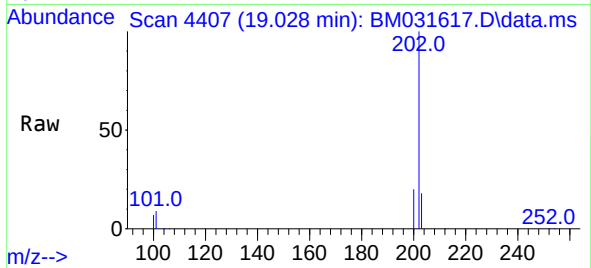
Instrument :
BNA_M
ClientSampled :
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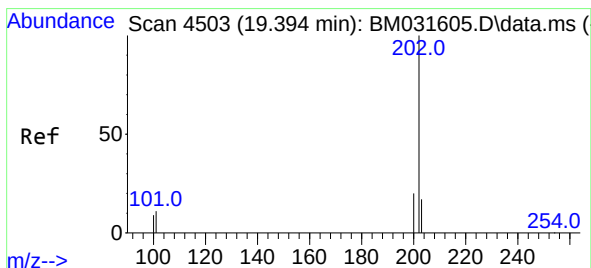
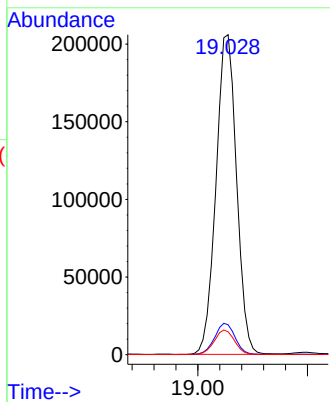
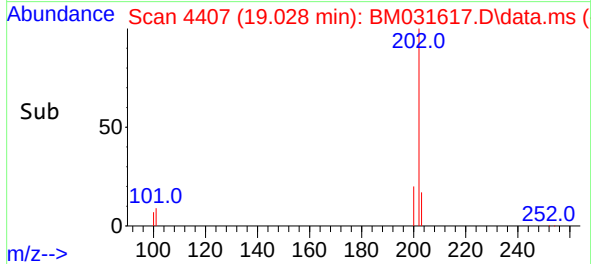
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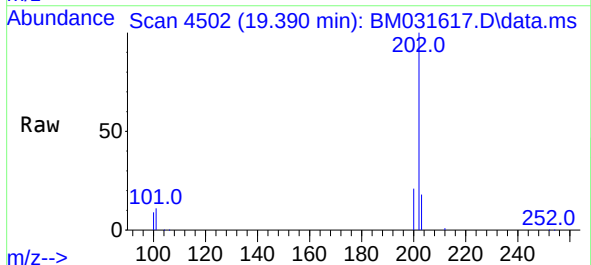
#19
Fluoranthene
Concen: 15.098 ng/u1
RT: 19.028 min Scan# 4407
Delta R.T. -0.000 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35



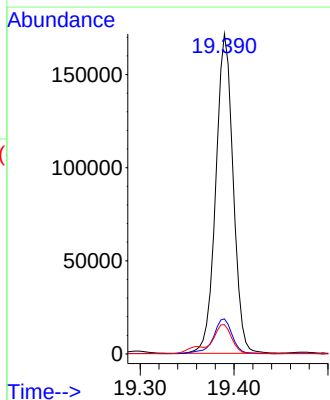
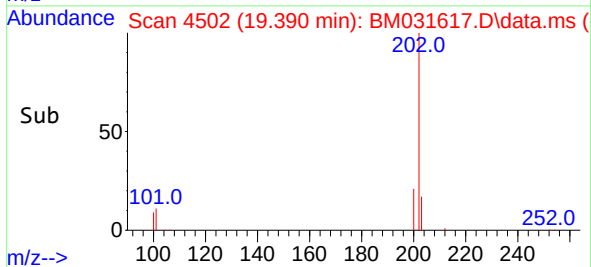
Tgt Ion:202 Resp: 267421
Ion Ratio Lower Upper
202 100
101 9.4 6.6 10.0
100 7.2 5.4 8.0



#20
Pyrene
Concen: 12.240 ng/u1
RT: 19.390 min Scan# 4502
Delta R.T. -0.004 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35



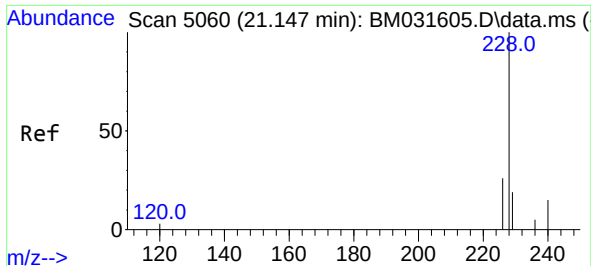
Tgt Ion:202 Resp: 219901
Ion Ratio Lower Upper
202 100
101 11.0 7.8 11.6
100 9.2 6.6 10.0



Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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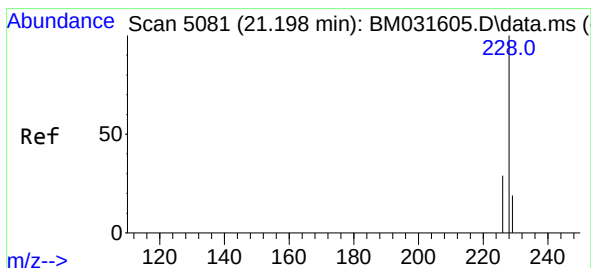
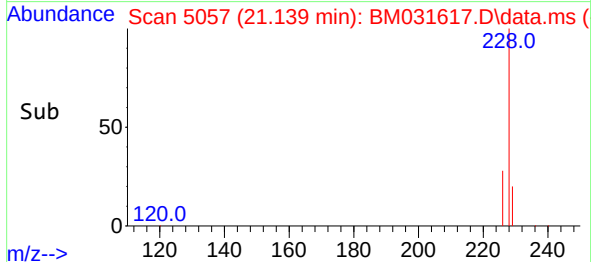
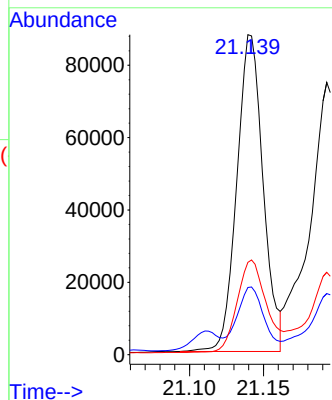
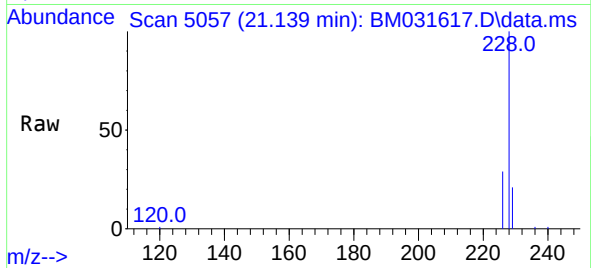
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Benzo(a)anthracene
Concen: 6.455 ng/uI
RT: 21.139 min Scan# 5057
Delta R.T. -0.007 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35

Tgt Ion:	228	Resp:	108118
Ion Ratio	Lower	Upper	
228	100		
229	21.0	15.6	23.4
226	28.9	21.7	32.5

Instrument :
BNA_M
ClientSampled :
C00B0

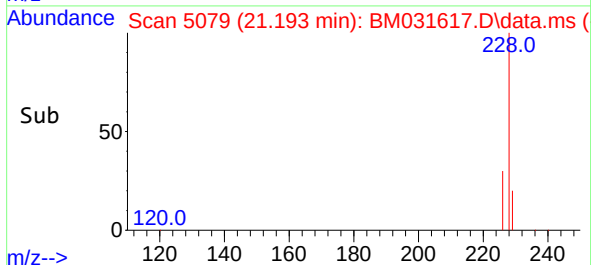
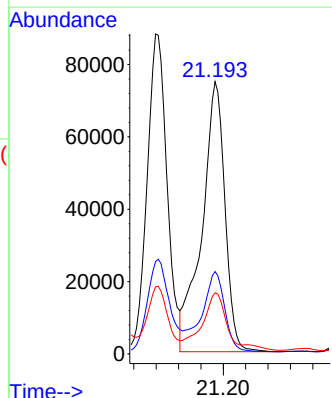
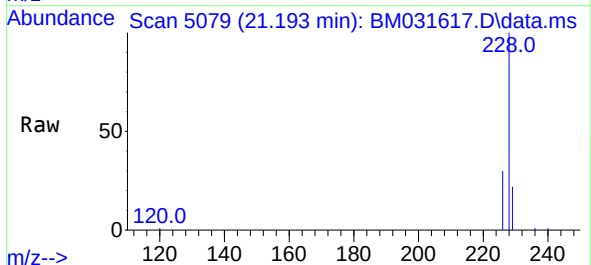
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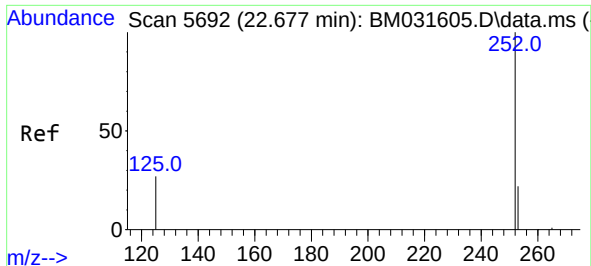
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#22
Chrysene
Concen: 6.161 ng/uI
RT: 21.193 min Scan# 5079
Delta R.T. -0.002 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35

Tgt Ion:	228	Resp:	106764
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.7	37.1
229	22.4	16.2	24.2





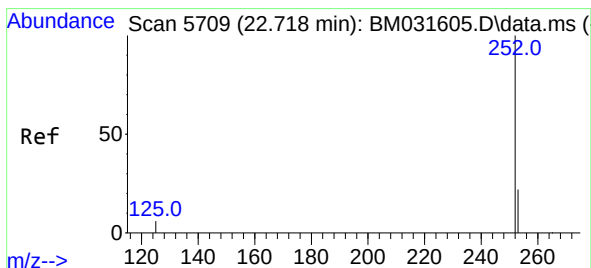
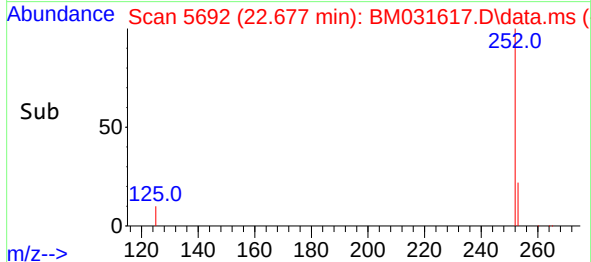
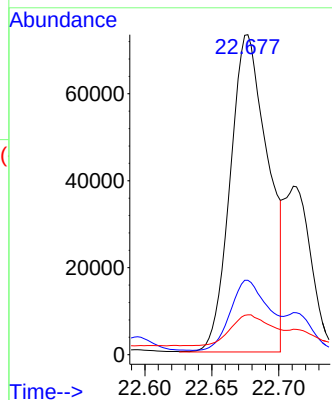
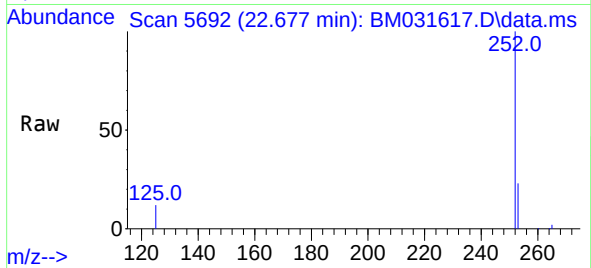
#24
Benzo(b)fluoranthene
Concen: 7.674 ng/ul m
RT: 22.677 min Scan# 5692
Delta R.T. -0.000 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35

Tgt Ion:252 Resp: 143143
Ion Ratio Lower Upper
252 100
253 23.3 0.0 53.0
125 12.4 0.0 22.8

Instrument :
BNA_M
ClientSampled :
C00B0

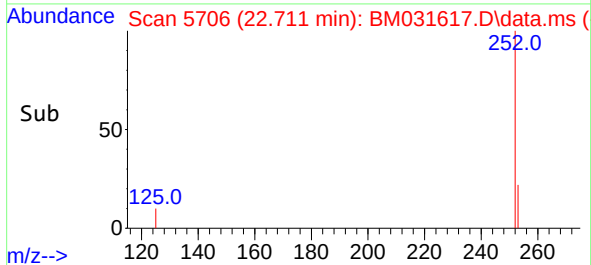
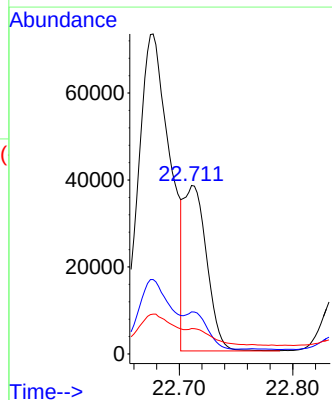
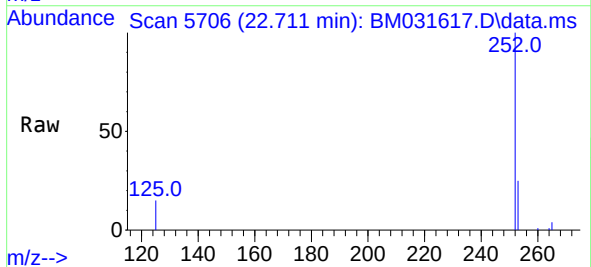
Manual Integrations
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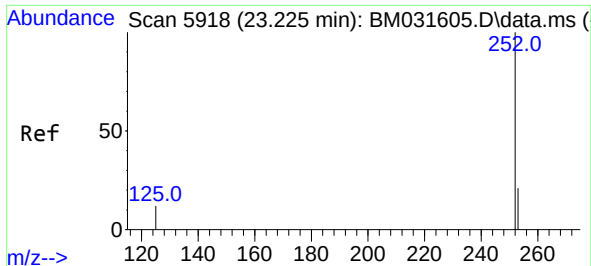
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#25
Benzo(k)fluoranthene
Concen: 2.785 ng/ul m
RT: 22.711 min Scan# 5706
Delta R.T. -0.010 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35

Tgt Ion:252 Resp: 53681
Ion Ratio Lower Upper
252 100
253 25.0 21.3 31.9
125 15.1 8.8 13.2#





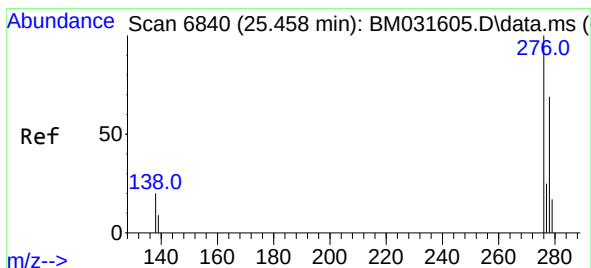
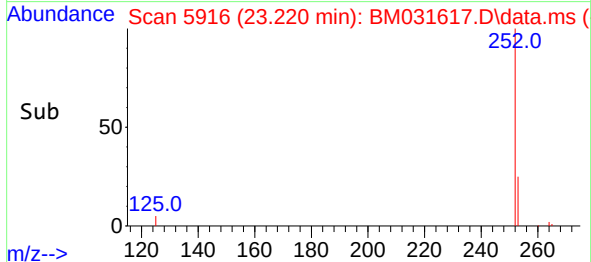
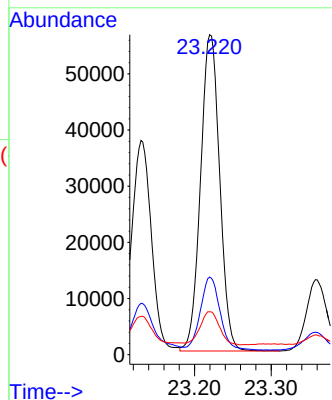
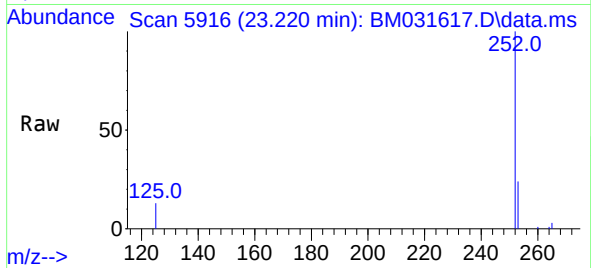
#26
Benzo(a)pyrene
Concen: 5.985 ng/ul
RT: 23.220 min Scan# 5916
Delta R.T. -0.005 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35

Tgt Ion:	252	Resp:	97773
Ion Ratio	Lower	Upper	
252	100		
253	24.2	22.4	33.6
125	13.4	13.0	19.4

Instrument :
BNA_M
ClientSampled :
C00B0

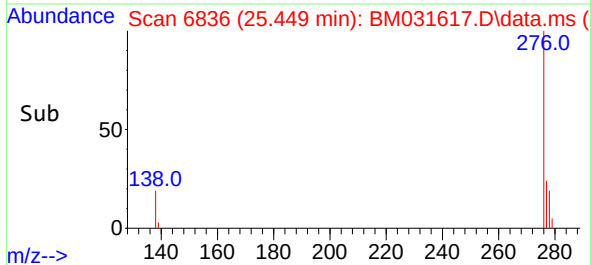
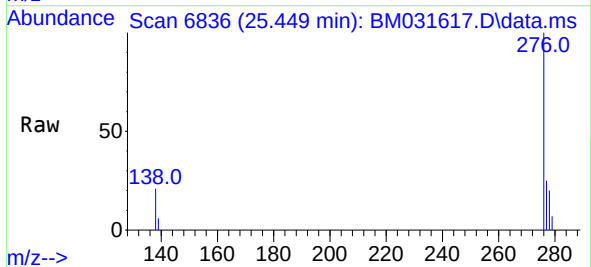
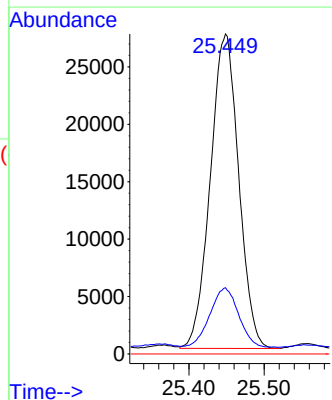
Manual Integrations
APPROVED

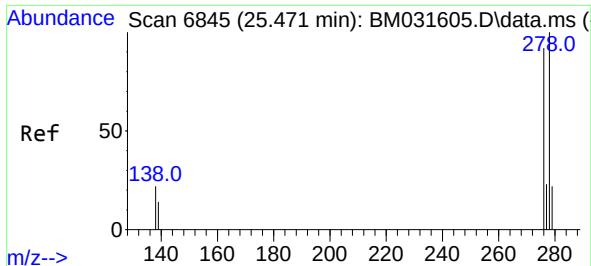
mohammad
8/10/2021 4:36:32 PM



#27
Indeno(1,2,3-cd)pyrene
Concen: 3.397 ng/ul
RT: 25.449 min Scan# 6836
Delta R.T. -0.005 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35

Tgt Ion:	276	Resp:	71726
Ion Ratio	Lower	Upper	
276	100		
138	19.2	15.8	23.8
227	0.0	0.0	0.0





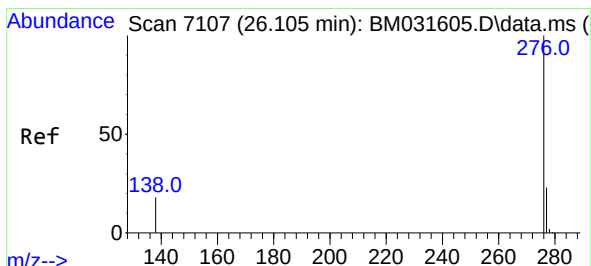
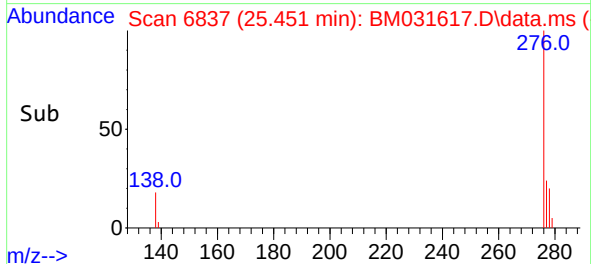
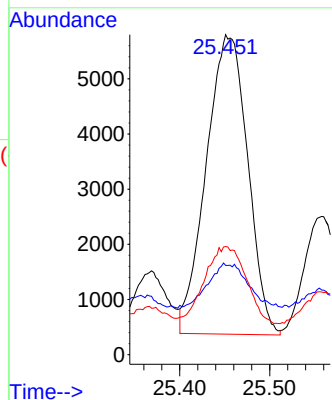
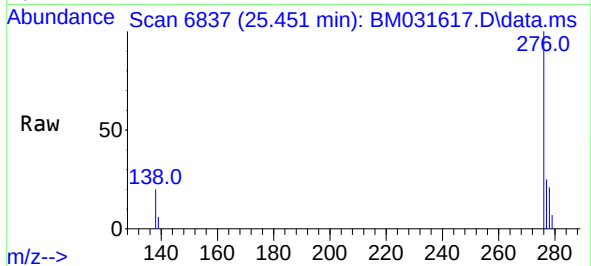
#28
Dibenzo(a,h)anthracene
Concen: 1.021 ng/ul
RT: 25.451 min Scan# 6837
Delta R.T. -0.017 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35

Tgt Ion:278 Resp: 17382
Ion Ratio Lower Upper
278 100
139 27.9 13.3 19.9#
279 33.8 22.8 34.2

Instrument :
BNA_M
ClientSampled :
C00B0

Manual Integrations
APPROVED

mohammad
8/10/2021 4:36:32 PM



#29
Benzo(g,h,i)perylene
Concen: 1.377 ng/ul
RT: 26.098 min Scan# 7104
Delta R.T. -0.000 min
Lab File: BM031617.D
Acq: 09 Aug 2021 23:35

Tgt Ion:276 Resp: 24811
Ion Ratio Lower Upper
276 100
138 24.5 15.4 23.2#
277 26.3 19.9 29.9

