

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080521\
 Data File : BM031562.D
 Acq On : 07 Aug 2021 22:12
 Operator : CG/JU
 Sample : M3124-06DL 2X
 Misc :
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0089DL

Manual Integrations
 APPROVED

mohammad
 8/9/2021 12:14:08 PM

Quant Time: Aug 09 04:08:25 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 : Fri Aug 06 18:39:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.583	152	1360	0.400	ng/ul	0.00
4) Naphthalene-d8	10.343	136	5001	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.216	164	2763	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.964	188	5195	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.159	240	4236	0.400	ng/ul	# 0.00
23) Perylene-d12	23.317	264	4332	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.189	96	2175	1.440	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.939	152	698	0.083	ng/ul	0.00
18) Fluoranthene-d10	18.997	212	1346	0.095	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.392	128	1315	0.088	ng/ul#	90
7) 2-Methylnaphthalene	12.016	142	762	0.075	ng/ul	100
8) 1-Methylnaphthalene	12.236	142	433	0.043	ng/ul	96
10) Acenaphthylene	13.936	152	921	0.078	ng/ul#	87
12) Fluorene	15.270	166	314	0.028	ng/ul#	86
14) Pentachlorophenol	16.631	266	65	0.039	ng/ul	96
15) Phenanthrene	17.006	178	6264	0.380	ng/ul	100
16) Anthracene	17.096	178	1238	0.080	ng/ul#	87
19) Fluoranthene	19.028	202	18936	1.047	ng/ul	98
20) Pyrene	19.390	202	11976	0.653	ng/ul#	96
21) Benzo(a)anthracene	21.142	228	7532	0.440	ng/ul	96
22) Chrysene	21.193	228	9563	0.540	ng/ul	97
24) Benzo(b)fluoranthene	22.675	252	13860m	0.710	ng/ul	
25) Benzo(k)fluoranthene	22.713	252	4954m	0.246	ng/ul	
26) Benzo(a)pyrene	23.220	252	4150	0.243	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	25.446	276	4413	0.200	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.453	278	1506	0.085	ng/ul#	56

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

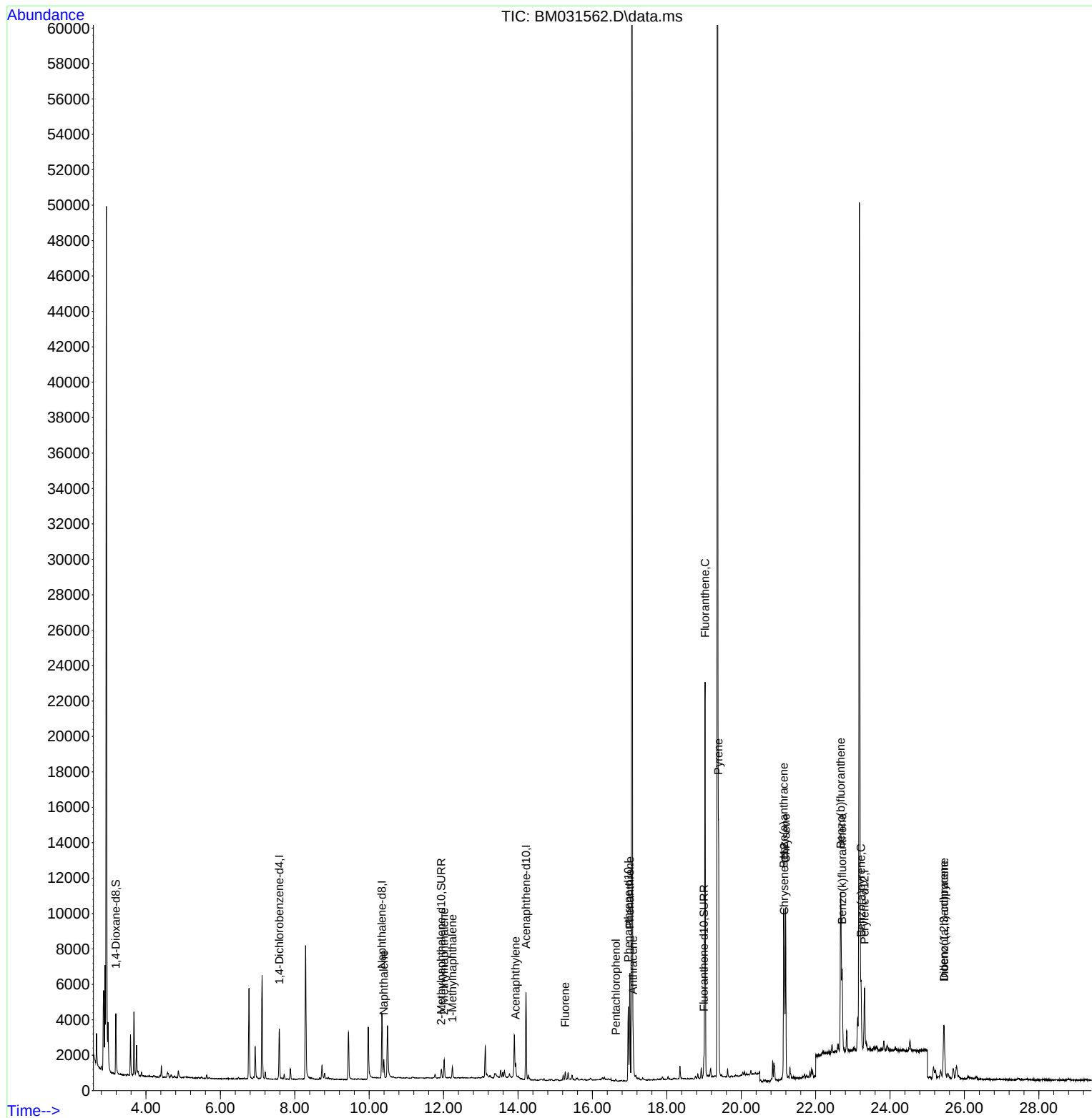
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080521\
Data File : BM031562.D
Acq On : 07 Aug 2021 22:12
Operator : CG/JU
Sample : M3124-06DL 2X
Misc :
ALS Vial : 88 Sample Multiplier: 1

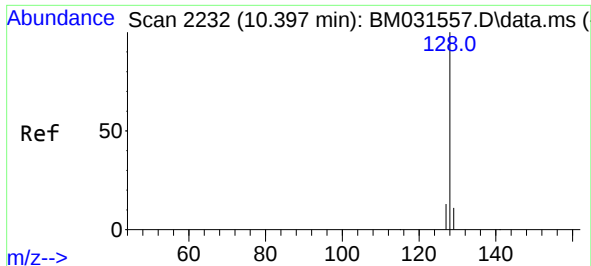
Instrument :
BNA_M
ClientSampleId :
C0089DL

Manual Integrations
APPROVED

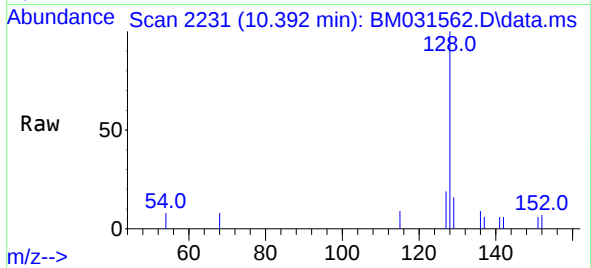
mohammad
8/9/2021 12:14:08 PM

Quant Time: Aug 09 04:08:25 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 : Fri Aug 06 18:39:21 2021
Response via : Initial Calibration

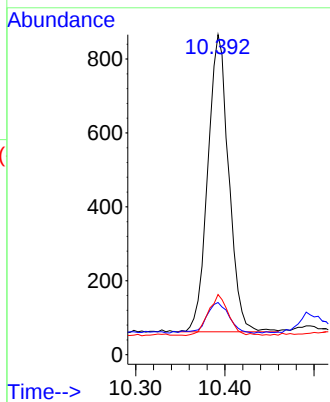
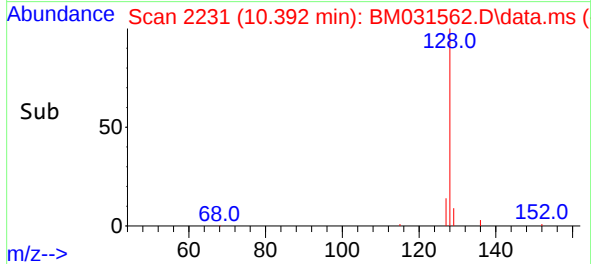




#5
Naphthalene
Concen: 0.088 ng/ul
RT: 10.392 min Scan# 2231
Delta R.T. -0.004 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12



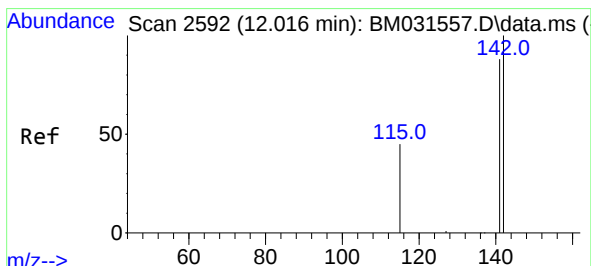
Tgt Ion:128 Resp: 1315
Ion Ratio Lower Upper
128 100
129 16.3 10.0 15.0#
127 18.8 11.6 17.4#



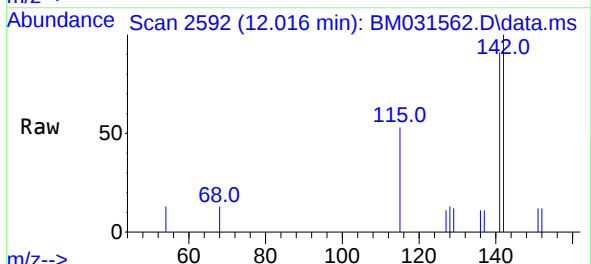
Instrument :
BNA_M
ClientSampled :
C0089DL

Manual Integrations
APPROVED

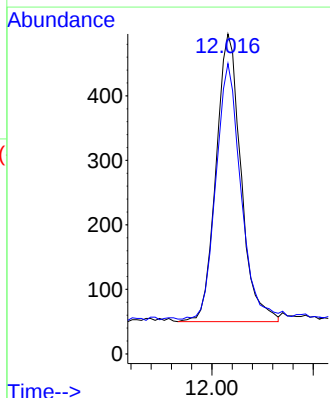
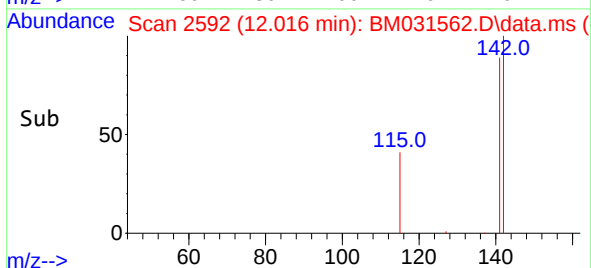
mohammad
8/9/2021 12:14:08 PM

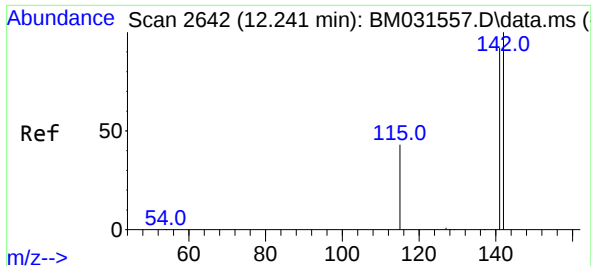


#7
2-Methylnaphthalene
Concen: 0.075 ng/ul
RT: 12.016 min Scan# 2592
Delta R.T. -0.004 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12



Tgt Ion:142 Resp: 762
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.0





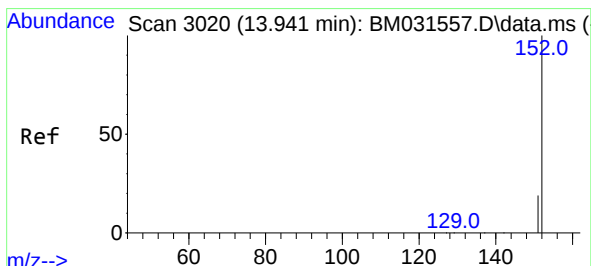
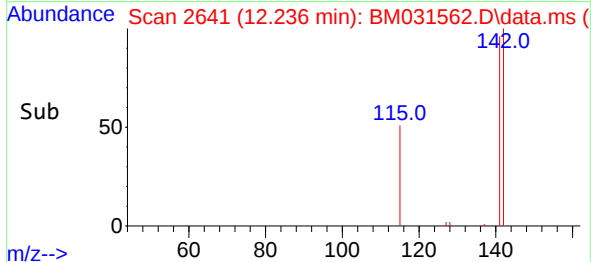
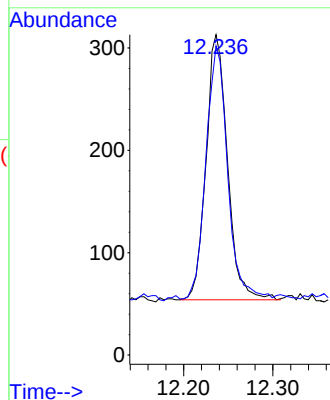
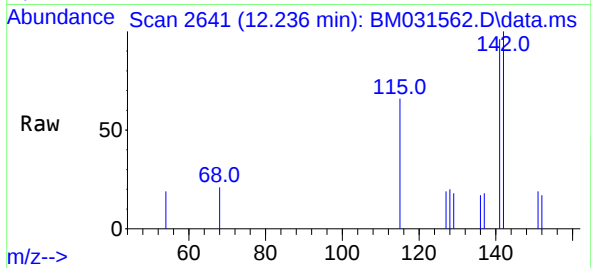
#8
1-Methylnaphthalene
Concen: 0.043 ng/ul
RT: 12.236 min Scan# 2641
Delta R.T. -0.004 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12

Tgt Ion:142 Resp: 433
Ion Ratio Lower Upper
142 100
141 96.1 74.1 111.1

Instrument :
BNA_M
ClientSampled :
C0089DL

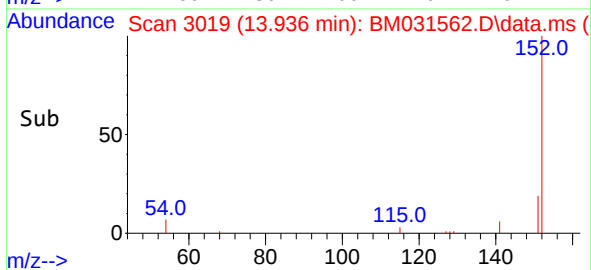
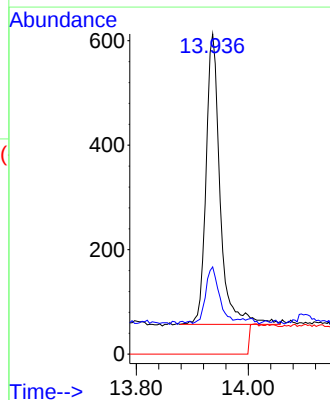
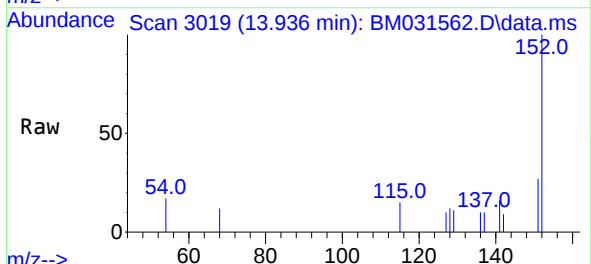
Manual Integrations
APPROVED

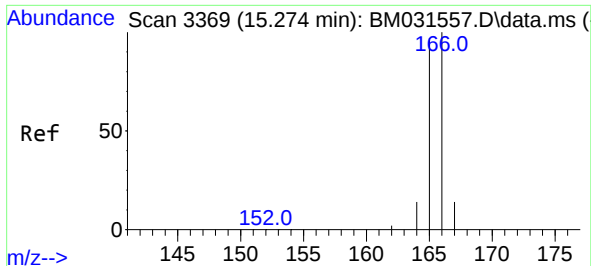
mohammad
8/9/2021 12:14:08 PM



#10
Acenaphthylene
Concen: 0.078 ng/ul
RT: 13.936 min Scan# 3019
Delta R.T. -0.004 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12

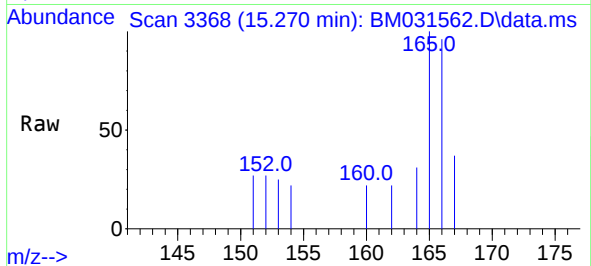
Tgt Ion:152 Resp: 921
Ion Ratio Lower Upper
152 100
151 27.2 16.9 25.3#
153 0.0 0.0 0.0





#12
Fluorene
Concen: 0.028 ng/ul
RT: 15.270 min Scan# 3368
Delta R.T. -0.004 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12

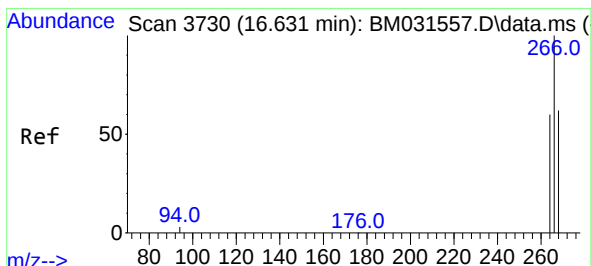
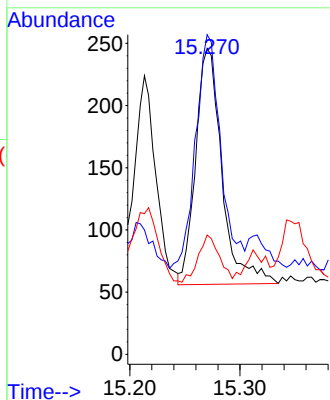
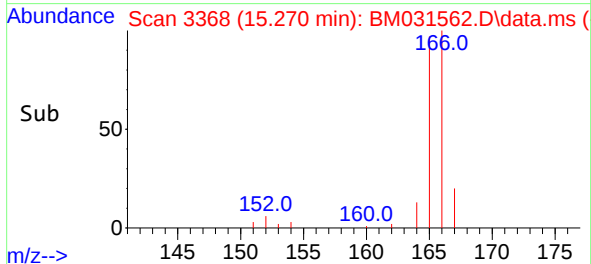
Instrument :
BNA_M
ClientSampled :
C0089DL



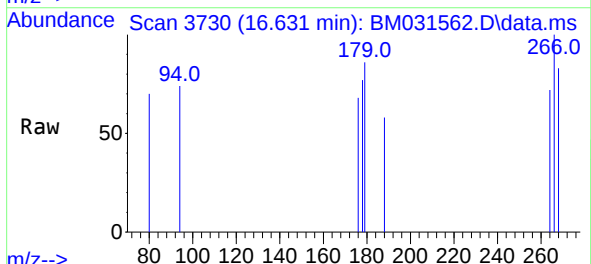
Tgt Ion:166 Resp: 314
Ion Ratio Lower Upper
166 100
165 104.5 78.0 117.0
167 39.0 12.0 18.0#

Manual Integrations
APPROVED

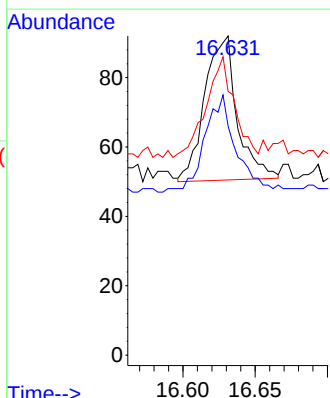
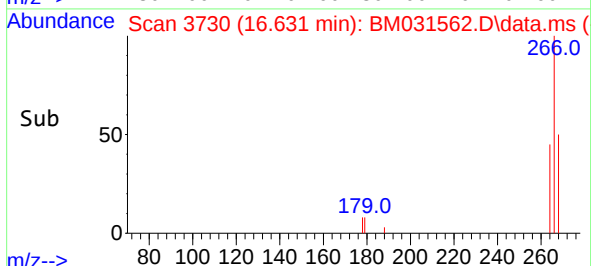
mohammad
8/9/2021 12:14:08 PM

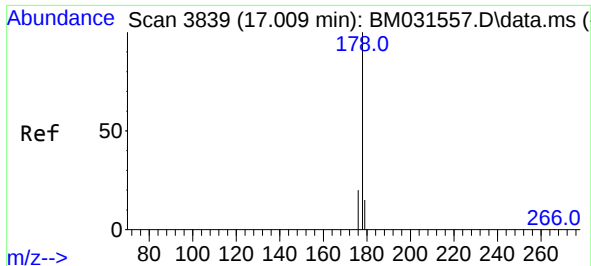


#14
Pentachlorophenol
Concen: 0.039 ng/ul
RT: 16.631 min Scan# 3730
Delta R.T. 0.004 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12



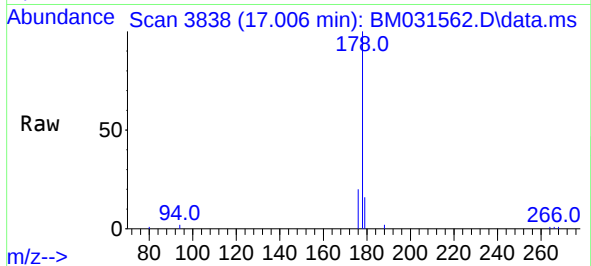
Tgt Ion:266 Resp: 65
Ion Ratio Lower Upper
266 100
264 66.2 50.1 75.1
268 66.2 51.3 76.9





#15
Phenanthrene
Concen: 0.380 ng/u1
RT: 17.006 min Scan# 3838
Delta R.T. -0.007 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12

Instrument :
BNA_M
ClientSampled :
C0089DL

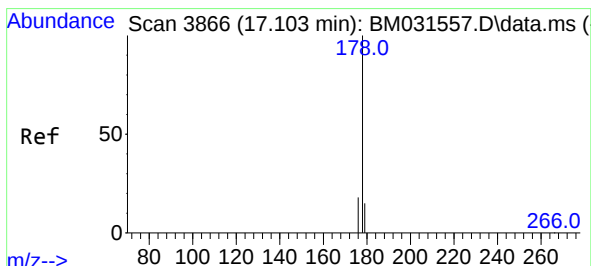
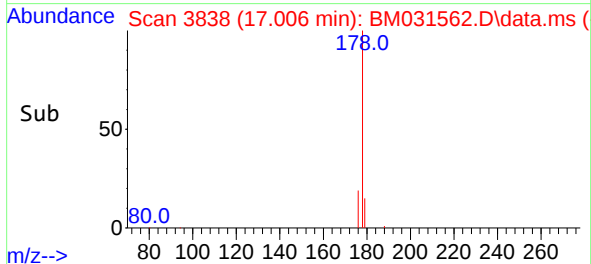
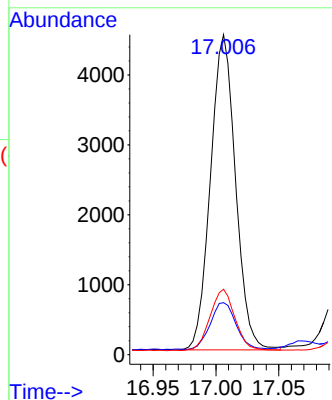


Tgt Ion:178 Resp: 6264

Ion	Ratio	Lower	Upper
178	100		
179	16.3	13.3	19.9
176	20.4	16.2	24.4

Manual Integrations
APPROVED

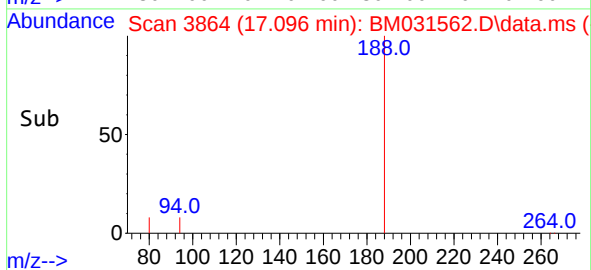
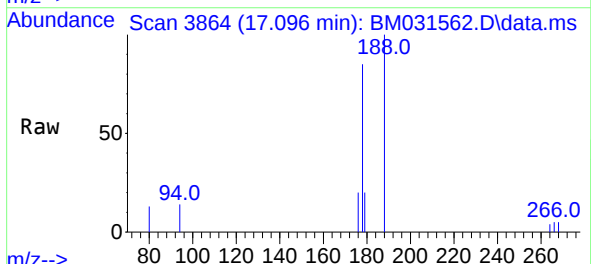
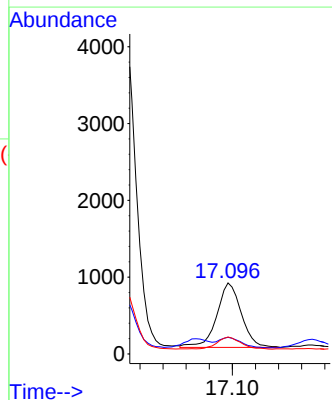
mohammad
8/9/2021 12:14:08 PM

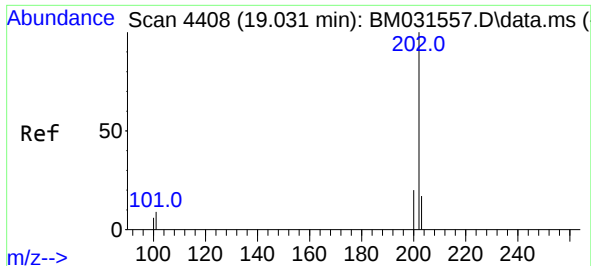


#16
Anthracene
Concen: 0.080 ng/u1
RT: 17.096 min Scan# 3864
Delta R.T. -0.007 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12

Tgt Ion:178 Resp: 1238

Ion	Ratio	Lower	Upper
178	100		
179	23.4	13.0	19.6#
176	23.9	15.6	23.4#





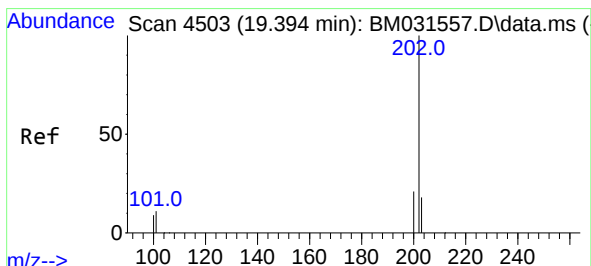
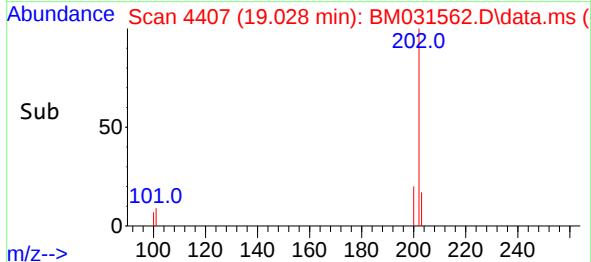
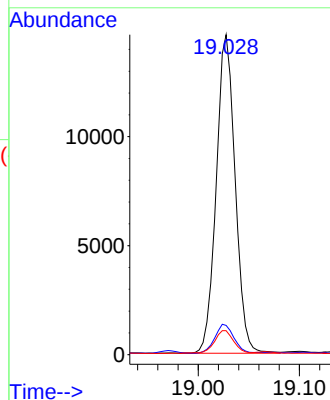
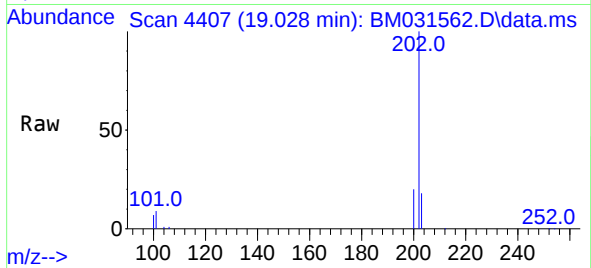
#19
Fluoranthene
Concen: 1.047 ng/ul
RT: 19.028 min Scan# 4407
Delta R.T. -0.004 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12

Tgt Ion:	202	Resp:	18936
Ion Ratio	Lower	Upper	
202	100		
101	9.2	6.6	10.0
100	7.5	5.4	8.0

Instrument :
BNA_M
ClientSampleId :
C0089DL

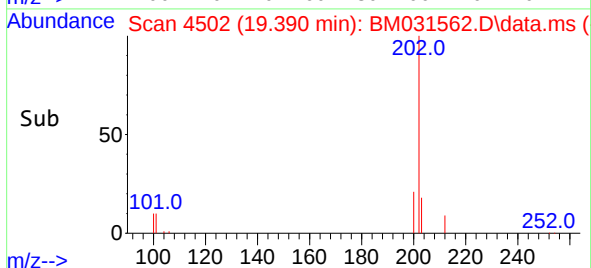
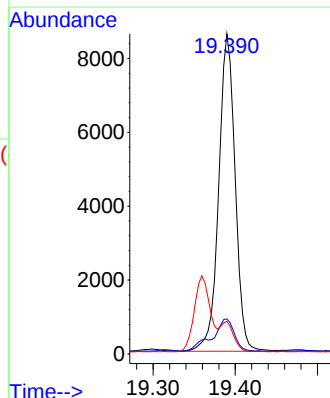
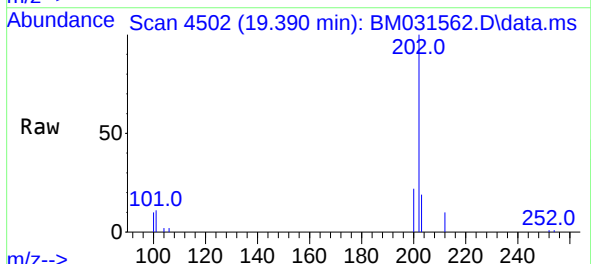
Manual Integrations
APPROVED

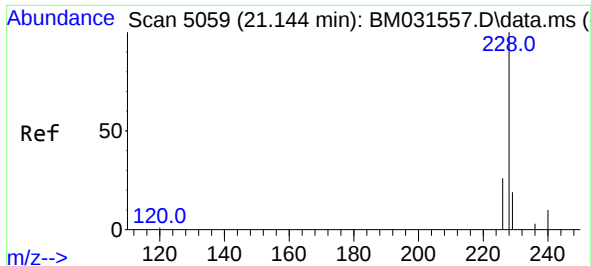
mohammad
8/9/2021 12:14:08 PM



#20
Pyrene
Concen: 0.653 ng/ul
RT: 19.390 min Scan# 4502
Delta R.T. -0.007 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12

Tgt Ion:	202	Resp:	11976
Ion Ratio	Lower	Upper	
202	100		
101	11.0	7.8	11.6
100	10.2	6.6	10.0#





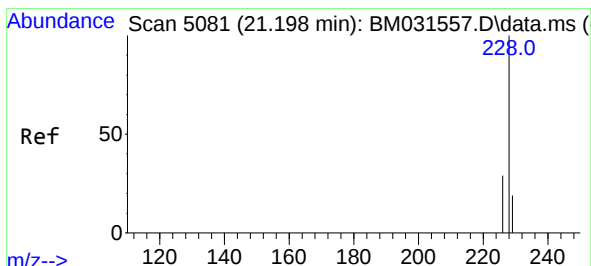
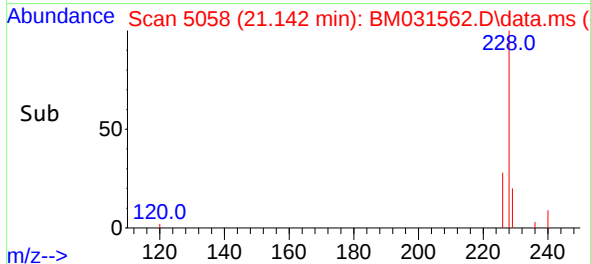
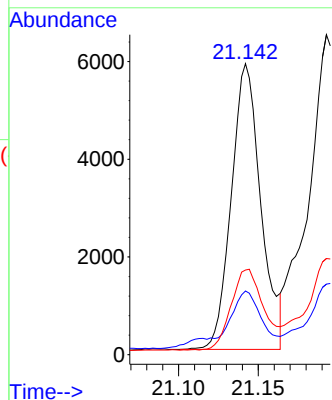
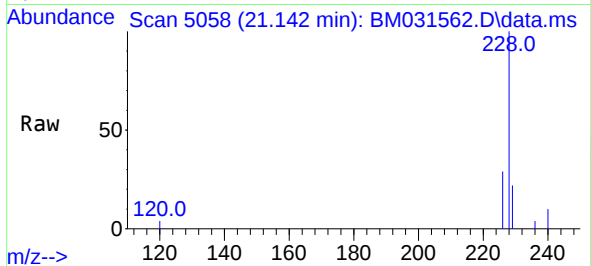
#21
Benzo(a)anthracene
Concen: 0.440 ng/ul
RT: 21.142 min Scan# 5058
Delta R.T. -0.009 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12

Tgt Ion:	228	Resp:	7532
Ion Ratio	Lower	Upper	
228	100		
229	21.9	15.6	23.4
226	29.1	21.7	32.5

Instrument :
BNA_M
ClientSampled :
C0089DL

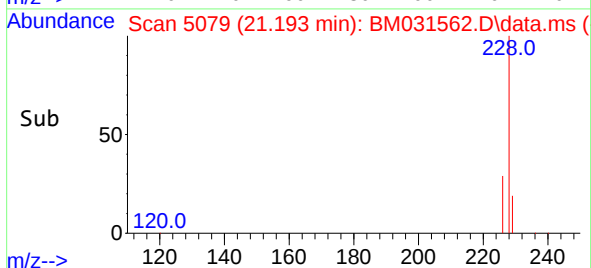
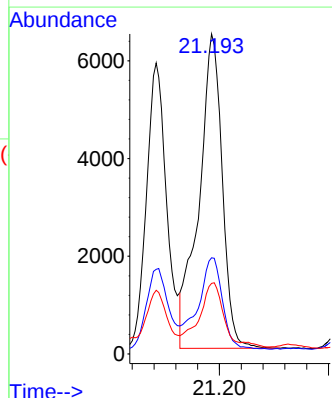
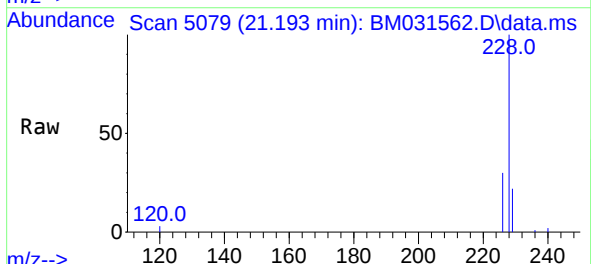
Manual Integrations
APPROVED

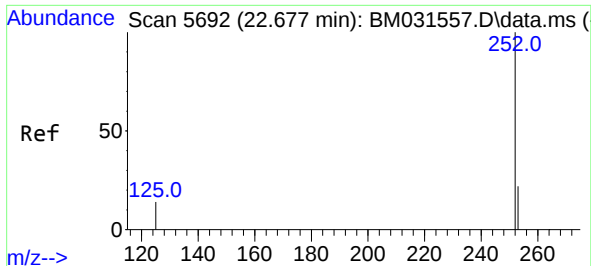
mohammad
8/9/2021 12:14:08 PM



#22
Chrysene
Concen: 0.540 ng/ul
RT: 21.193 min Scan# 5079
Delta R.T. -0.007 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12

Tgt Ion:	228	Resp:	9563
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.7	37.1
229	22.0	16.2	24.2





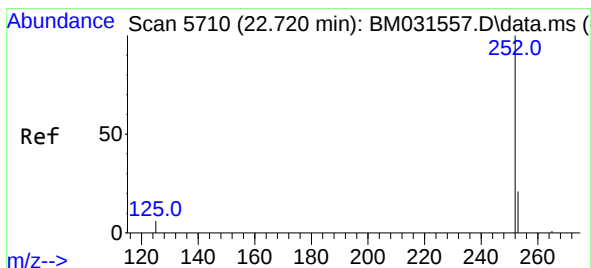
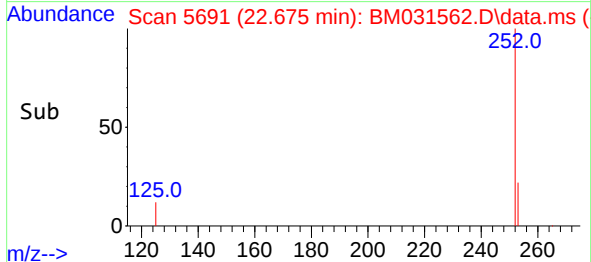
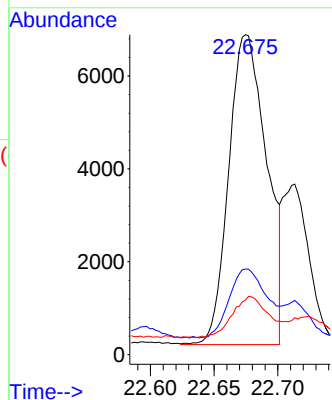
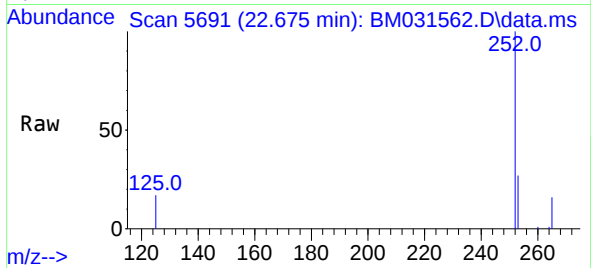
#24
Benzo(b)fluoranthene
Concen: 0.710 ng/ul m
RT: 22.675 min Scan# 5691
Delta R.T. -0.007 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12

Tgt Ion:	252	Resp:	13860
Ion Ratio	Lower	Upper	
252	100		
253	26.7	0.0	53.0
125	17.1	0.0	22.8

Instrument :
BNA_M
ClientSampled :
C0089DL

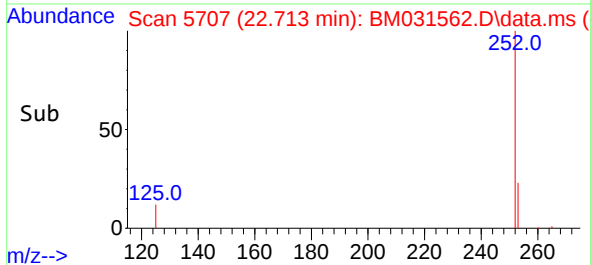
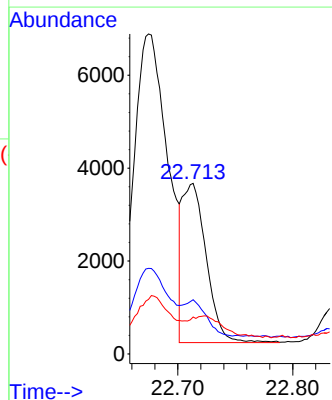
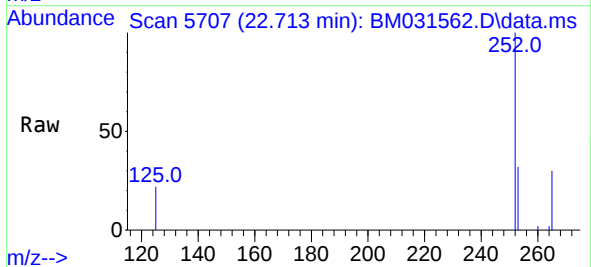
Manual Integrations
APPROVED

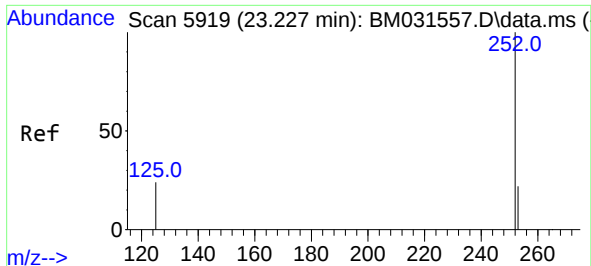
mohammad
8/9/2021 12:14:08 PM



#25
Benzo(k)fluoranthene
Concen: 0.246 ng/ul m
RT: 22.713 min Scan# 5707
Delta R.T. -0.009 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12

Tgt Ion:	252	Resp:	4954
Ion Ratio	Lower	Upper	
252	100		
253	31.8	21.3	31.9
125	21.7	8.8	13.2#





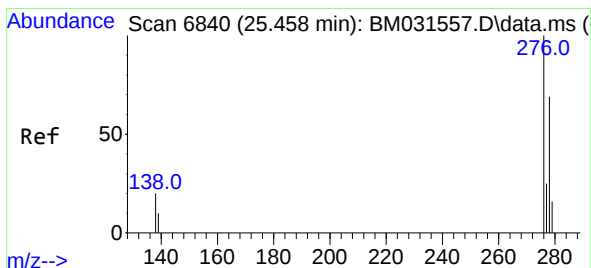
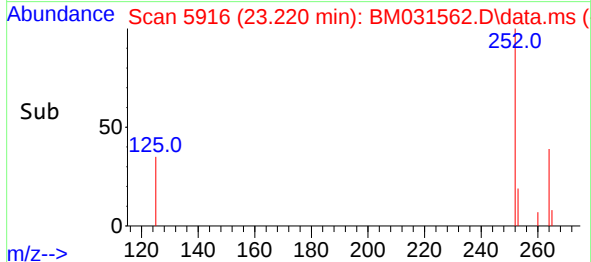
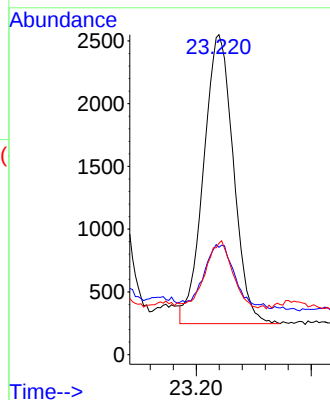
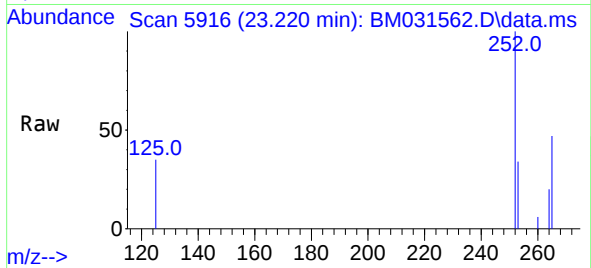
#26
Benzo(a)pyrene
Concen: 0.243 ng/ul
RT: 23.220 min Scan# 5916
Delta R.T. -0.012 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12

Tgt Ion:	252	Resp:	4150
Ion Ratio	Lower	Upper	
252	100		
253	33.5	22.4	33.6
125	34.8	13.0	19.4#

Instrument :
BNA_M
ClientSampled :
C0089DL

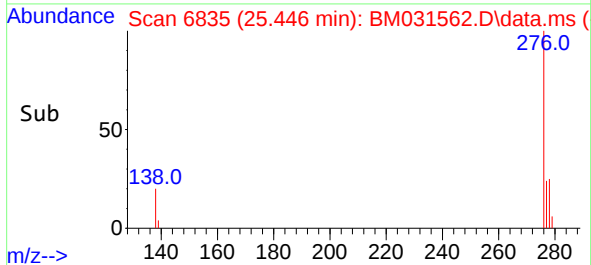
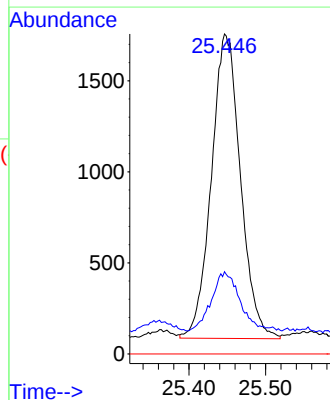
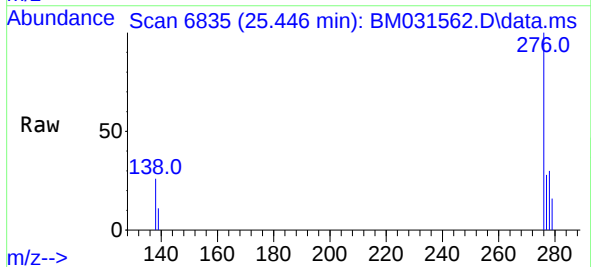
Manual Integrations
APPROVED

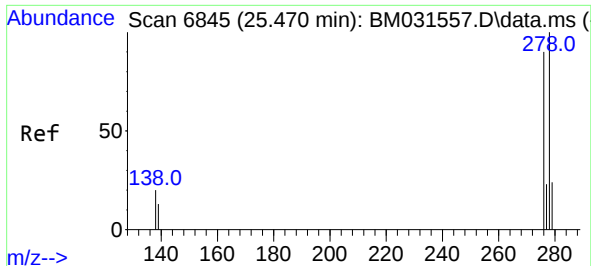
mohammad
8/9/2021 12:14:08 PM



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.200 ng/ul
RT: 25.446 min Scan# 6835
Delta R.T. -0.017 min
Lab File: BM031562.D
Acq: 07 Aug 2021 22:12

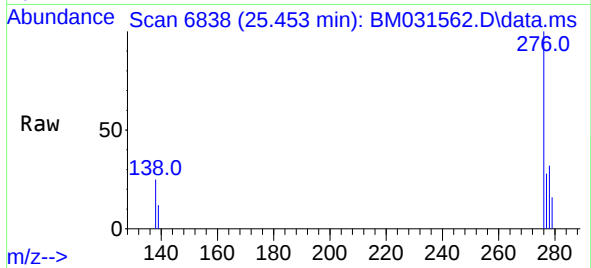
Tgt Ion:	276	Resp:	4413
Ion Ratio	Lower	Upper	
276	100		
138	19.3	15.8	23.8
227	0.0	0.0	0.0





#28
 Dibenzo(a,h)anthracene
 Concen: 0.085 ng/ul
 RT: 25.453 min Scan# 6838
 Delta R.T. -0.022 min
 Lab File: BM031562.D
 Acq: 07 Aug 2021 22:12

Instrument :
 BNA_M
 ClientSampled :
 C0089DL



Tgt Ion: 278 Resp: 1506
 Ion Ratio Lower Upper
 278 100
 139 36.8 13.3 19.9#
 279 50.7 22.8 34.2#

Manual Integrations
 APPROVED

mohammad
 8/9/2021 12:14:08 PM

