

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092721\
 Data File : BM032271.D
 Acq On : 29 Sep 2021 12:58
 Operator : CG/JU
 Sample : M3755-04DL 5X
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ3DL

Manual Integrations
 APPROVED

mohammad
 9/30/2021 11:29:34 AM

Quant Time: Sep 29 13:28:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM092721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 27 13:37:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.653	152	7785	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.447	136	24238	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.300	164	10702	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.026	188	18726	0.400	ng/ul	0.00
17) Chrysene-d12	21.188	240	13326	0.400	ng/ul	0.00
23) Perylene-d12	23.351	264	11354	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.986	96	5129	0.613	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.035	152	1128	0.035	ng/ul	-0.01
18) Fluoranthene-d10	19.046	212	1713	0.047	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.492	128	1676	0.023	ng/ul#	85
7) 2-Methylnaphthalene	12.111	142	1153	0.025	ng/ul	100
8) 1-Methylnaphthalene	12.332	142	1206	0.027	ng/ul	97
11) Acenaphthene	14.361	153	2213	0.056	ng/ul	99
12) Fluorene	15.343	166	2310	0.052	ng/ul#	96
15) Phenanthrene	17.064	178	27012	0.443	ng/ul	100
16) Anthracene	17.154	178	5848	0.116	ng/ul	97
19) Fluoranthene	19.076	202	44355	0.797	ng/ul	100
20) Pyrene	19.435	202	39088	0.701	ng/ul	99
21) Benzo(a)anthracene	21.171	228	15526	0.329	ng/ul	98
22) Chrysene	21.225	228	17996	0.326	ng/ul	99
24) Benzo(b)fluoranthene	22.707	252	22483m	0.382	ng/ul	
25) Benzo(k)fluoranthene	22.745	252	9927m	0.174	ng/ul	
26) Benzo(a)pyrene	23.254	252	14048	0.317	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.490	276	9263	0.164	ng/ul#	87
28) Dibenzo(a,h)anthracene	25.490	278	2419	0.053	ng/ul#	54
29) Benzo(g,h,i)perylene	26.149	276	8461	0.158	ng/ul	95

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

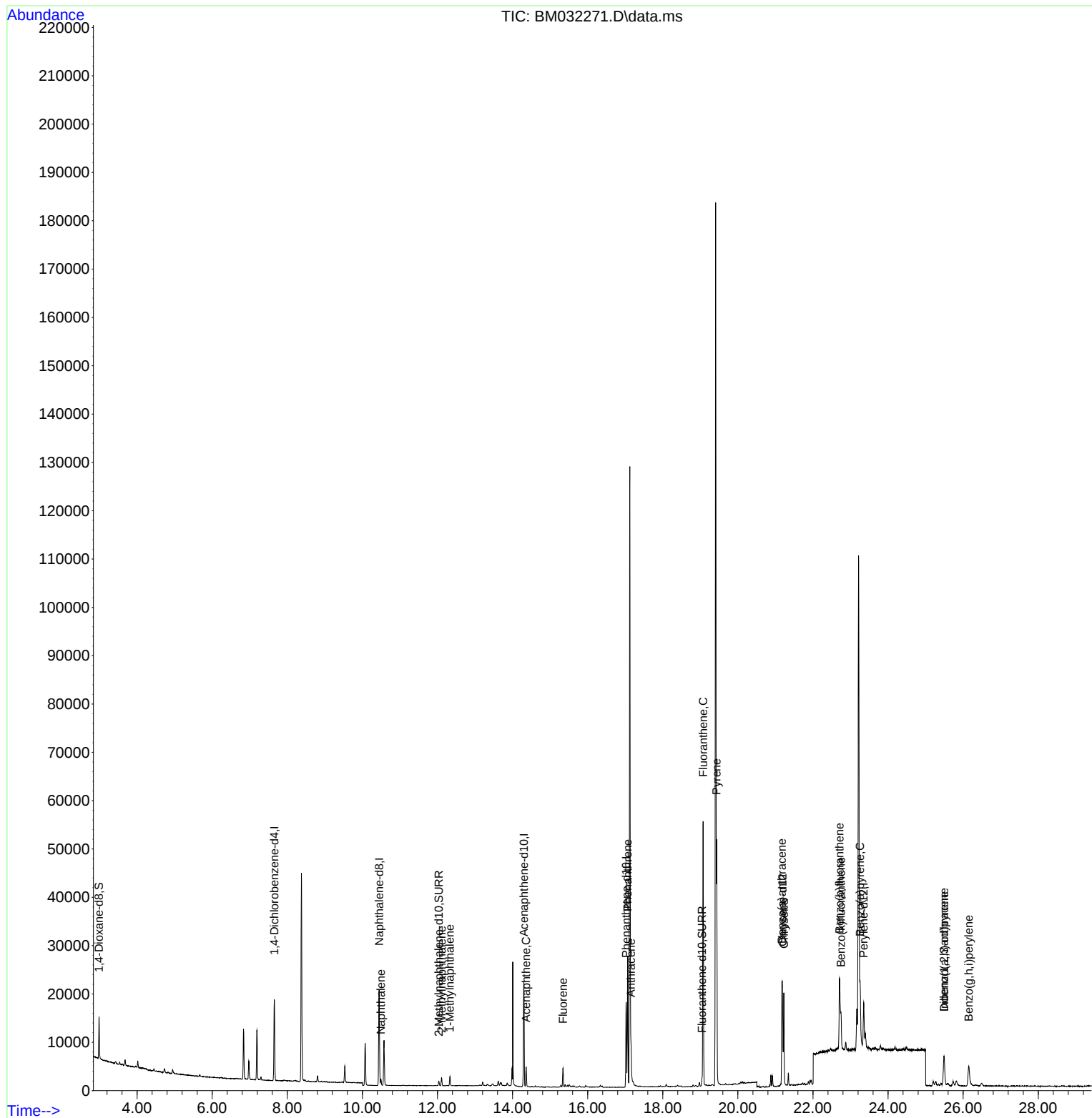
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092721\
Data File : BM032271.D
Acq On : 29 Sep 2021 12:58
Operator : CG/JU
Sample : M3755-04DL 5X
Misc :
ALS Vial : 76 Sample Multiplier: 1

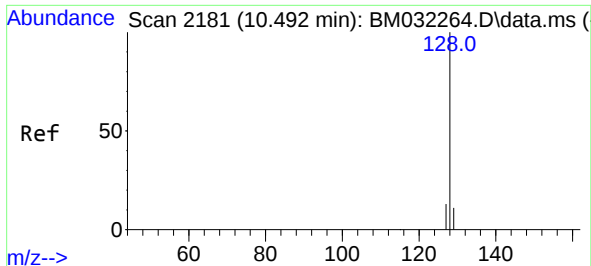
Instrument :
BNA_M
ClientSampleId :
C0AJ3DL

Manual Integrations
APPROVED

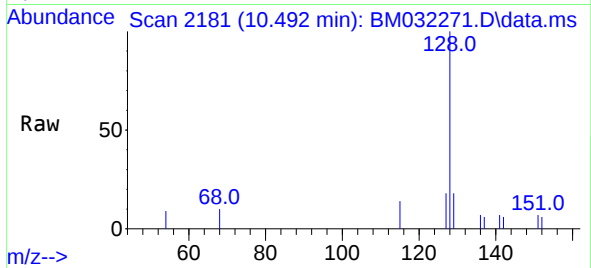
mohammad
9/30/2021 11:29:34 AM

Quant Time: Sep 29 13:28:50 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM092721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 27 13:37:22 2021
Response via : Initial Calibration

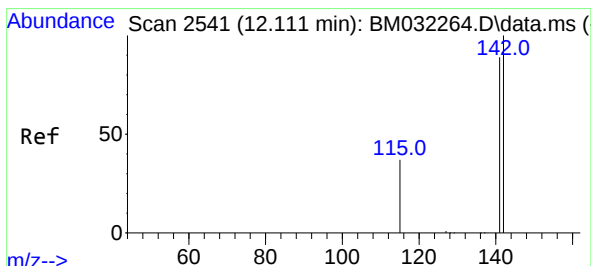
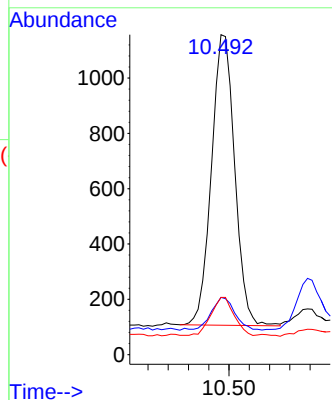
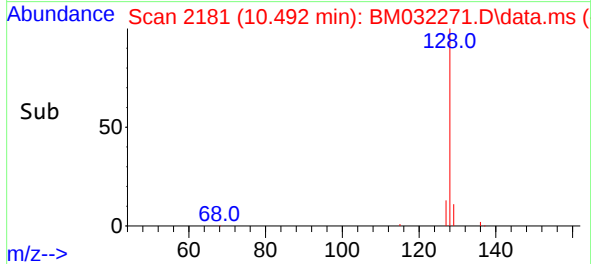




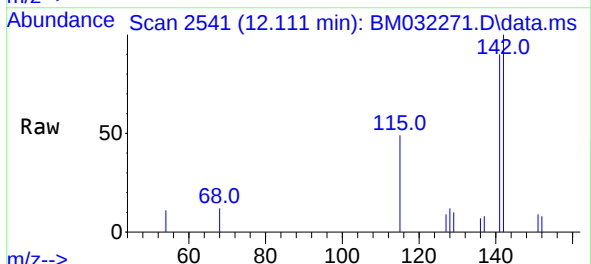
#5
Naphthalene
Concen: 0.023 ng/ul
RT: 10.492 min Scan# 2181
Delta R.T. -0.013 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58



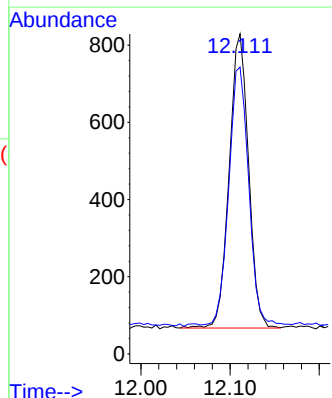
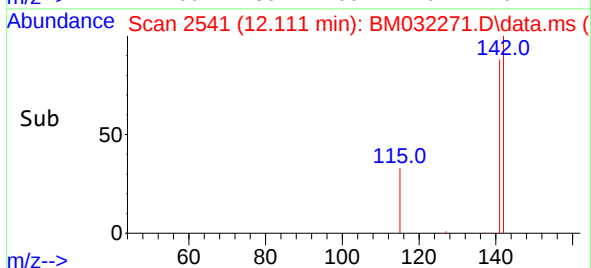
Tgt Ion:128 Resp: 1676
Ion Ratio Lower Upper
128 100
129 17.9 9.0 13.4#
127 17.9 10.5 15.7#



#7
2-Methylnaphthalene
Concen: 0.025 ng/ul
RT: 12.111 min Scan# 2541
Delta R.T. -0.009 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58



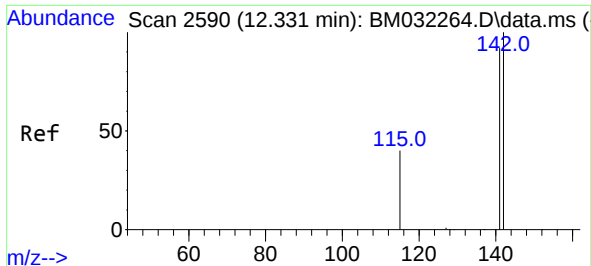
Tgt Ion:142 Resp: 1153
Ion Ratio Lower Upper
142 100
141 89.3 71.2 106.8



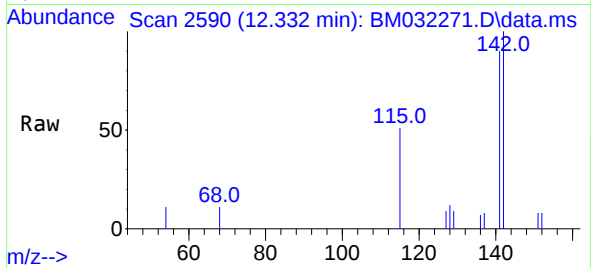
Instrument :
BNA_M
ClientSampleId :
C0AJ3DL

Manual Integrations
APPROVED

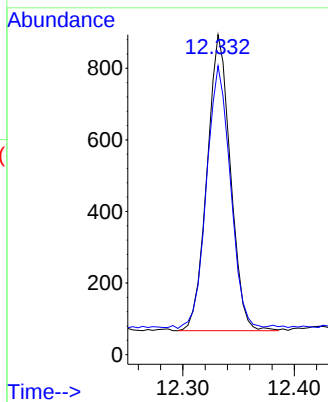
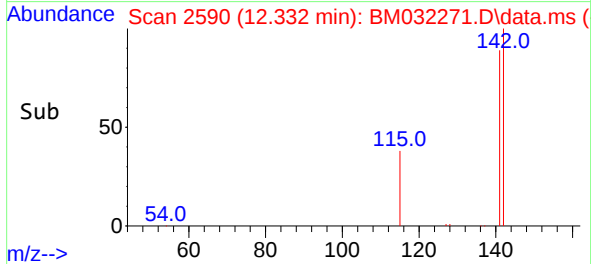
mohammad
9/30/2021 11:29:34 AM



#8
1-Methylnaphthalene
Concen: 0.027 ng/ul
RT: 12.332 min Scan# 2590
Delta R.T. -0.009 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58



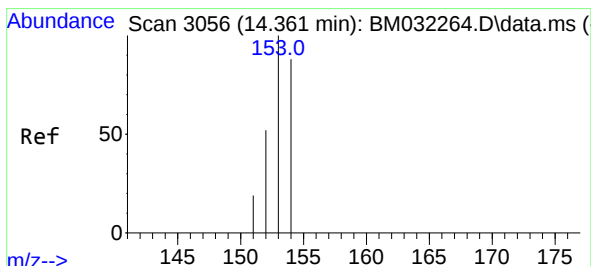
Tgt Ion:142 Resp: 1206
Ion Ratio Lower Upper
142 100
141 89.5 73.8 110.6



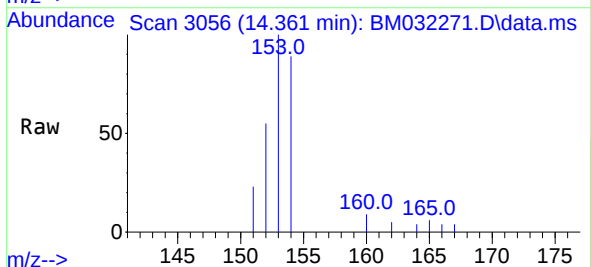
Instrument :
BNA_M
ClientSampleId :
C0AJ3DL

Manual Integrations
APPROVED

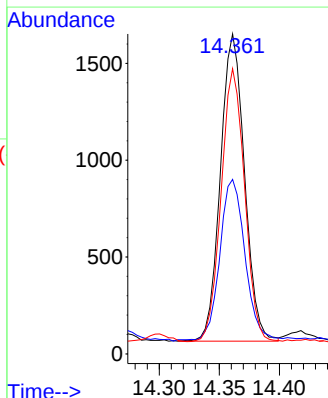
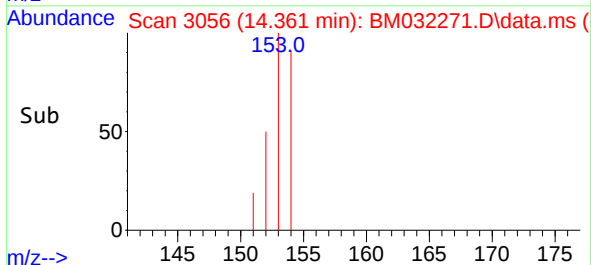
mohammad
9/30/2021 11:29:34 AM

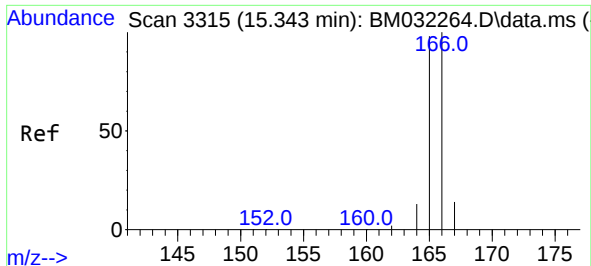


#11
Acenaphthene
Concen: 0.056 ng/ul
RT: 14.361 min Scan# 3056
Delta R.T. -0.008 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58

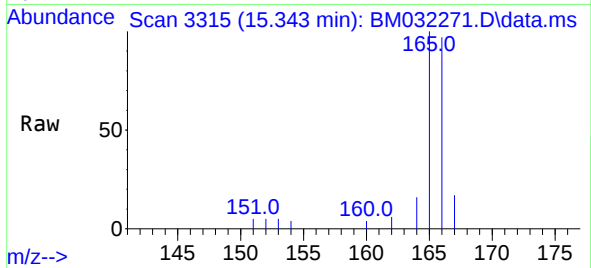


Tgt Ion:153 Resp: 2213
Ion Ratio Lower Upper
153 100
152 54.5 41.6 62.4
154 89.2 71.2 106.8

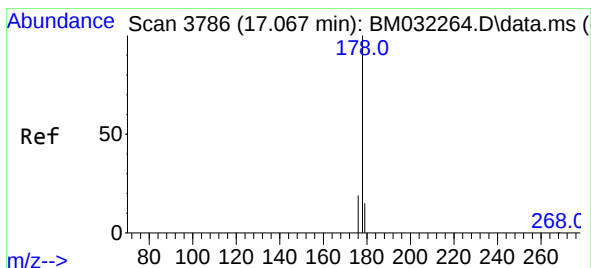
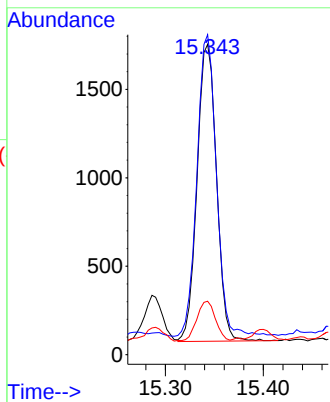
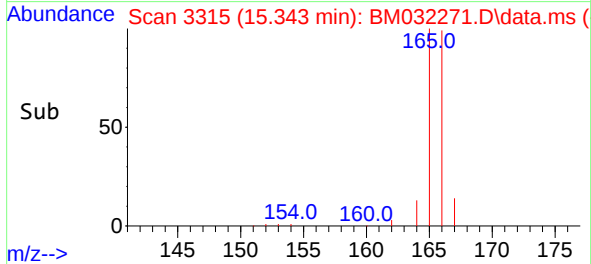




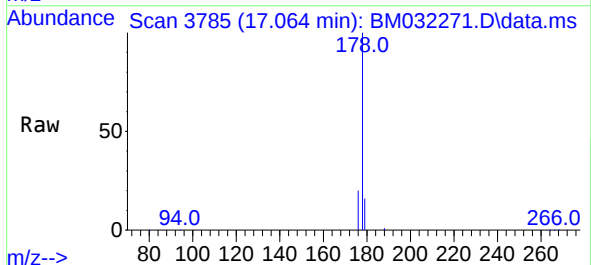
#12
Fluorene
Concen: 0.052 ng/u1
RT: 15.343 min Scan# 3315
Delta R.T. -0.008 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58



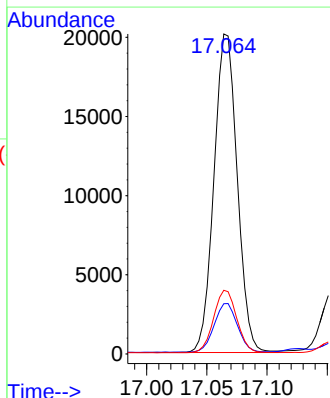
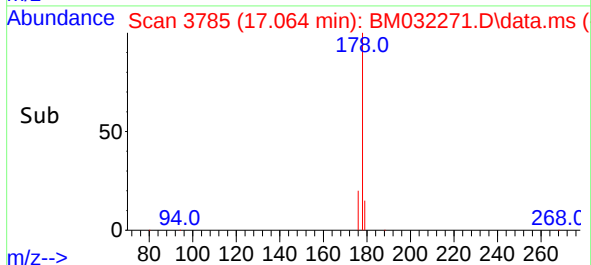
Tgt Ion:166 Resp: 2310
Ion Ratio Lower Upper
166 100
165 103.1 79.4 119.2
167 17.2 10.8 16.2#



#15
Phenanthrene
Concen: 0.443 ng/u1
RT: 17.064 min Scan# 3785
Delta R.T. -0.010 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58



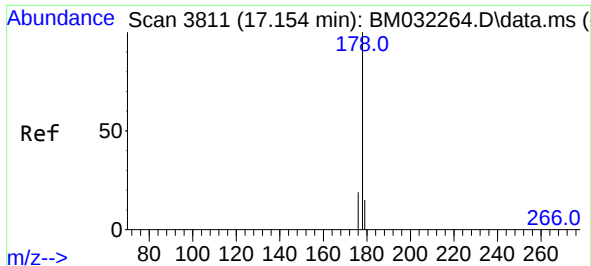
Tgt Ion:178 Resp: 27012
Ion Ratio Lower Upper
178 100
179 15.7 12.6 18.8
176 19.9 15.8 23.6



Instrument :
BNA_M
ClientSampleId :
C0AJ3DL

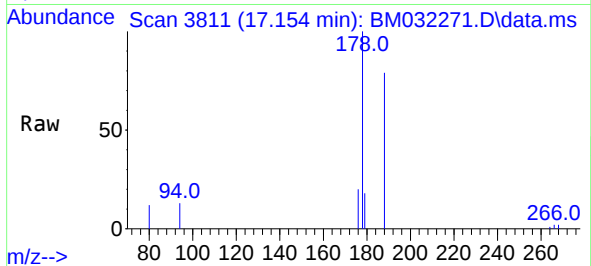
Manual Integrations
APPROVED

mohammad
9/30/2021 11:29:34 AM



#16
 Anthracene
 Concen: 0.116 ng/ul
 RT: 17.154 min Scan# 3811
 Delta R.T. -0.010 min
 Lab File: BM032271.D
 Acq: 29 Sep 2021 12:58

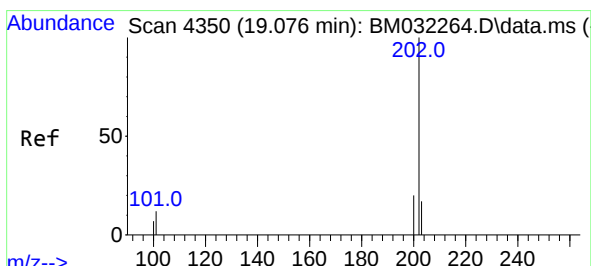
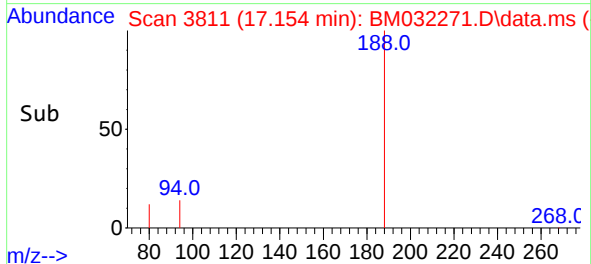
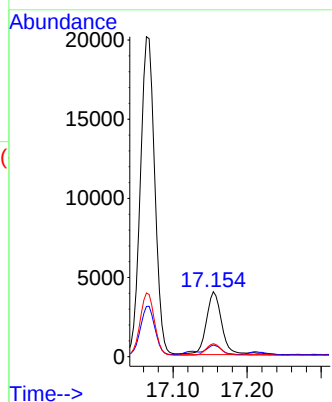
Instrument :
 BNA_M
 ClientSampled :
 C0AJ3DL



Tgt Ion:	178	Resp:	5848
Ion Ratio	Lower	Upper	
178	100		
179	17.9	12.7	19.1
176	19.9	15.3	22.9

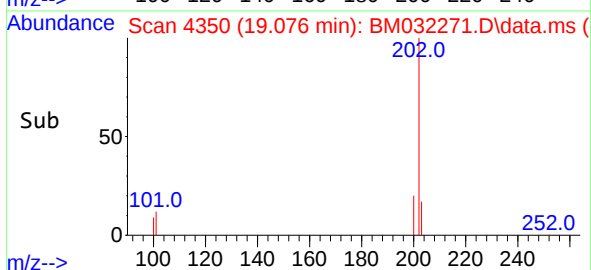
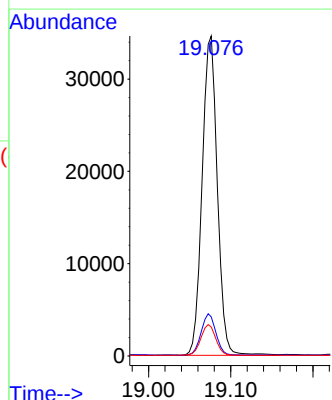
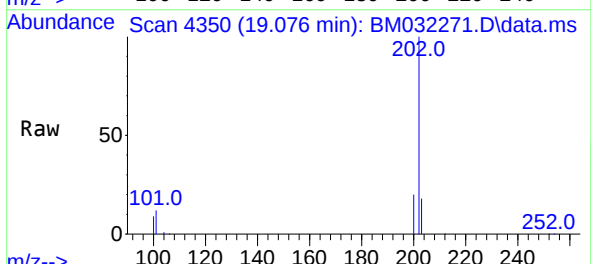
Manual Integrations
 APPROVED

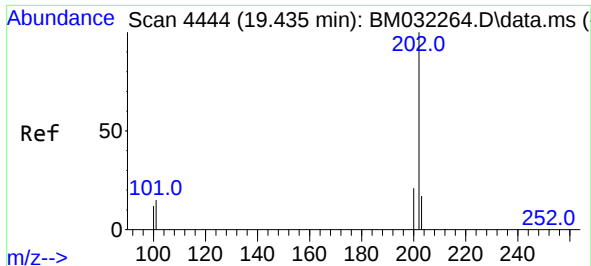
mohammad
 9/30/2021 11:29:34 AM



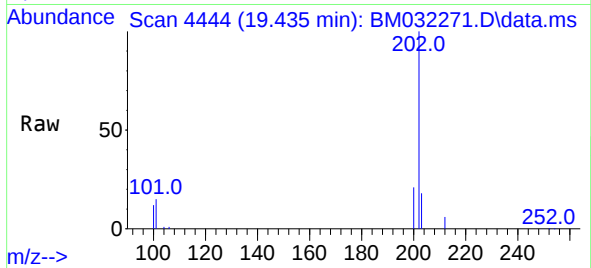
#19
 Fluoranthene
 Concen: 0.797 ng/ul
 RT: 19.076 min Scan# 4350
 Delta R.T. -0.008 min
 Lab File: BM032271.D
 Acq: 29 Sep 2021 12:58

Tgt Ion:	202	Resp:	44355
Ion Ratio	Lower	Upper	
202	100		
101	12.2	9.8	14.8
100	9.0	7.2	10.8

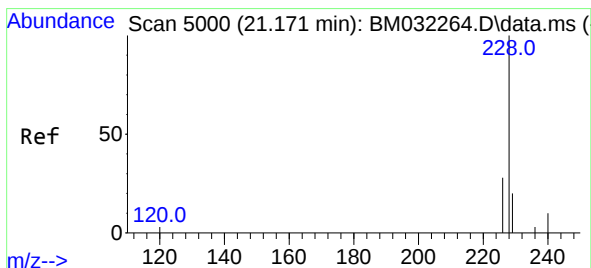
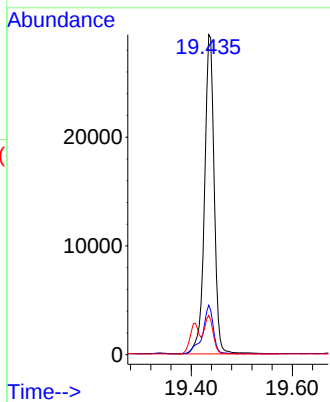
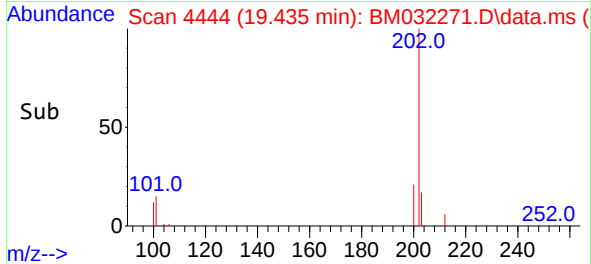




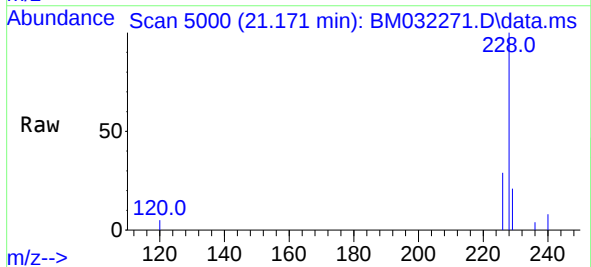
#20
Pyrene
Concen: 0.701 ng/ul
RT: 19.435 min Scan# 4444
Delta R.T. -0.008 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58



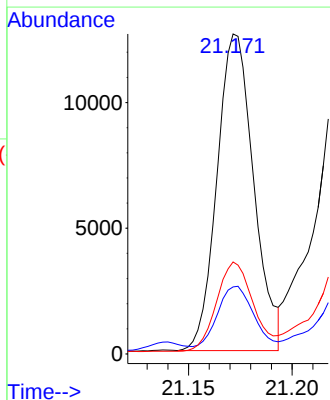
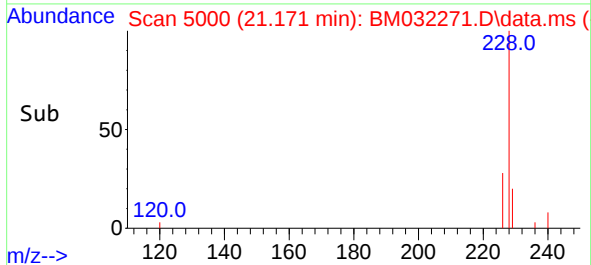
Tgt Ion:202 Resp: 39088
Ion Ratio Lower Upper
202 100
101 15.4 12.1 18.1
100 12.3 9.8 14.6



#21
Benzo(a)anthracene
Concen: 0.329 ng/ul
RT: 21.171 min Scan# 5000
Delta R.T. -0.007 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58



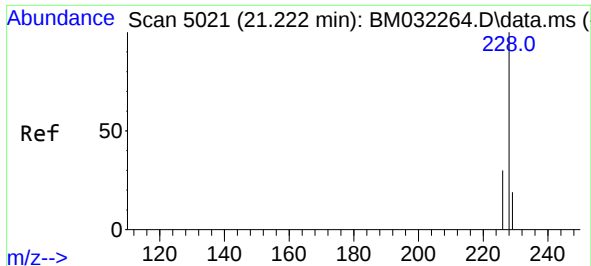
Tgt Ion:228 Resp: 15526
Ion Ratio Lower Upper
228 100
229 21.0 16.0 24.0
226 28.7 22.3 33.5



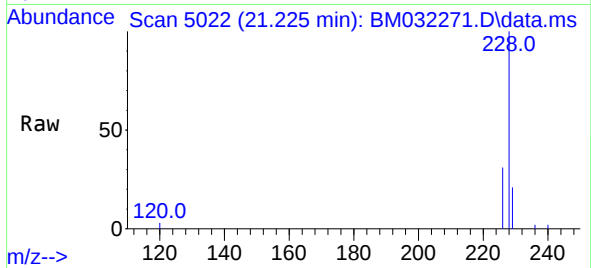
Instrument :
BNA_M
ClientSampleId :
C0AJ3DL

Manual Integrations
APPROVED

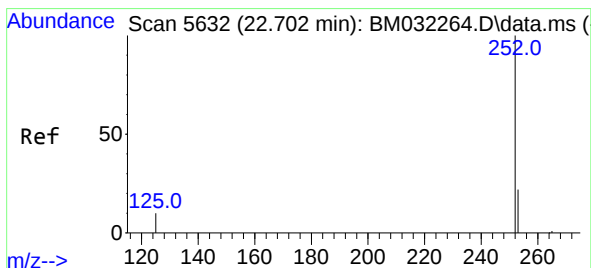
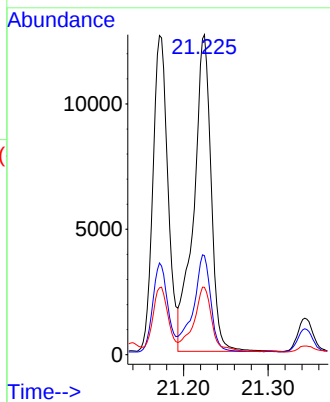
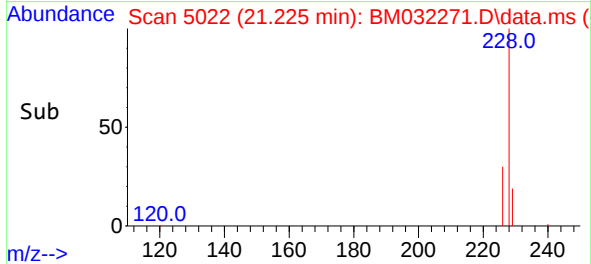
mohammad
9/30/2021 11:29:34 AM



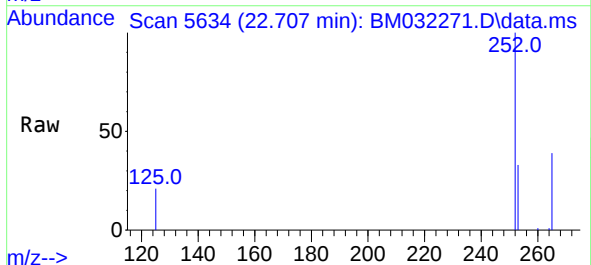
#22
Chrysene
Concen: 0.326 ng/ul
RT: 21.225 min Scan# 5022
Delta R.T. -0.005 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58



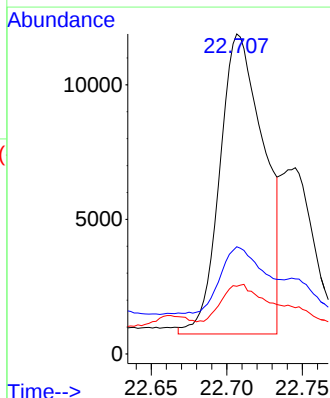
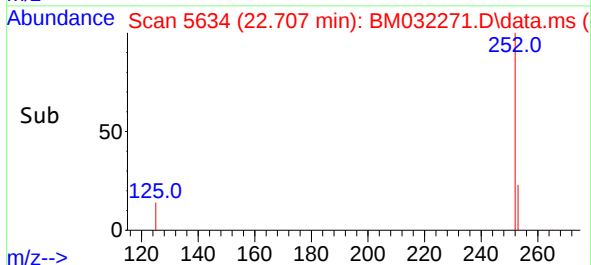
Tgt Ion:228 Resp: 17996
Ion Ratio Lower Upper
228 100
226 30.9 24.6 37.0
229 21.1 15.6 23.4



#24
Benzo(b)fluoranthene
Concen: 0.382 ng/ul m
RT: 22.707 min Scan# 5634
Delta R.T. -0.007 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58



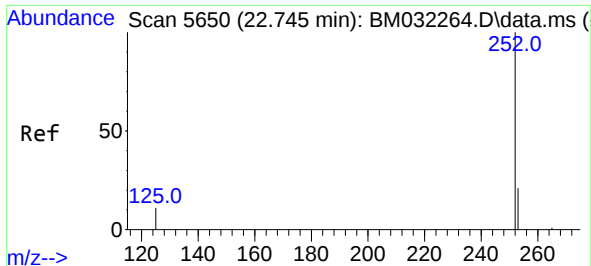
Tgt Ion:252 Resp: 22483
Ion Ratio Lower Upper
252 100
253 33.5 0.0 58.0
125 21.1 0.0 31.4



Instrument :
BNA_M
ClientSampleId :
C0AJ3DL

Manual Integrations
APPROVED

mohammad
9/30/2021 11:29:34 AM



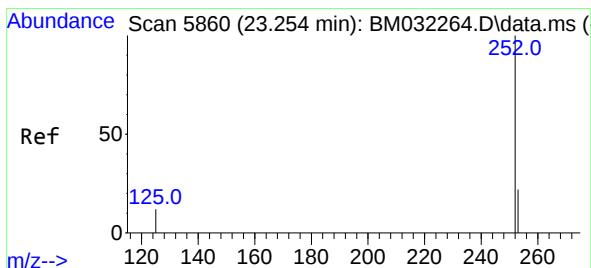
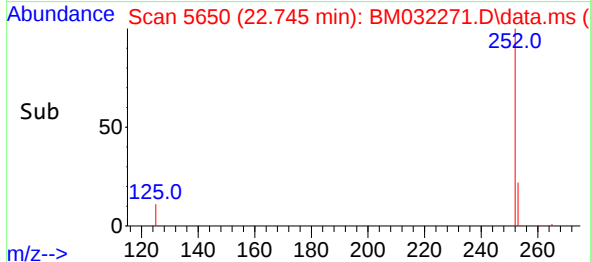
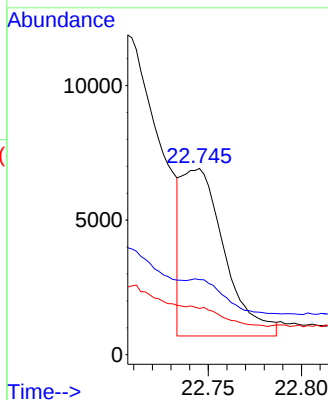
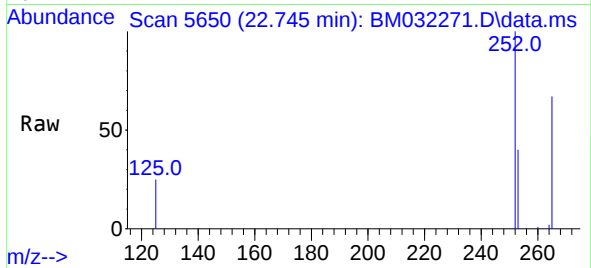
#25
Benzo(k)fluoranthene
Concen: 0.174 ng/ul m
RT: 22.745 min Scan# 5650
Delta R.T. -0.010 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58

Tgt Ion:252	Resp:	9927
Ion Ratio	Lower	Upper
252	100	
253	40.3	22.9 34.3#
125	24.8	12.9 19.3#

Instrument :
BNA_M
ClientSampleId :
C0AJ3DL

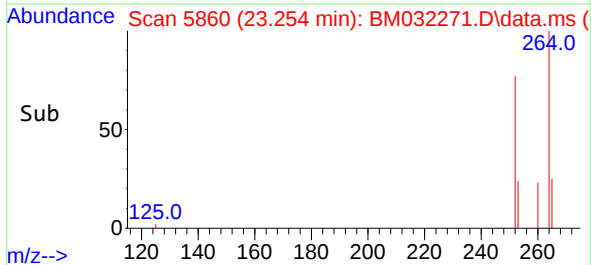
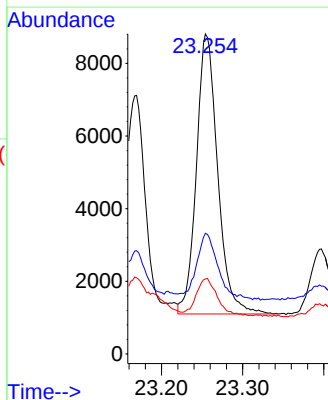
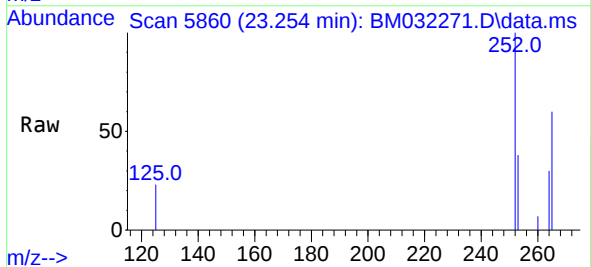
Manual Integrations
APPROVED

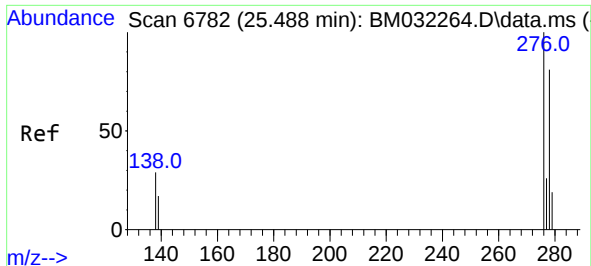
mohammad
9/30/2021 11:29:34 AM



#26
Benzo(a)pyrene
Concen: 0.317 ng/ul
RT: 23.254 min Scan# 5860
Delta R.T. -0.010 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58

Tgt Ion:252	Resp:	14048
Ion Ratio	Lower	Upper
252	100	
253	37.7	25.8 38.8
125	23.5	15.4 23.2#





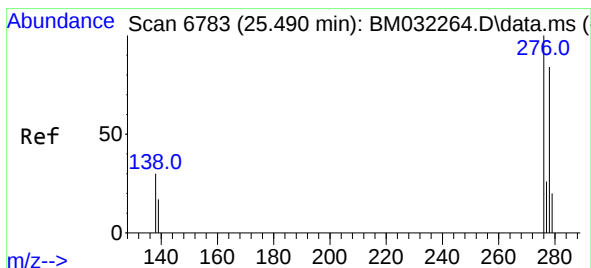
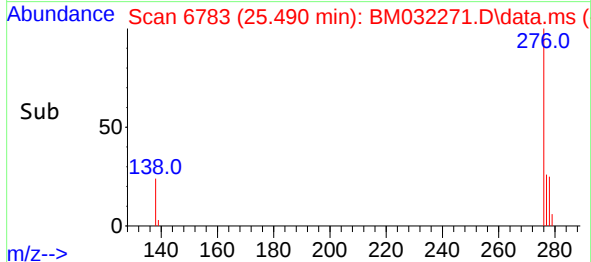
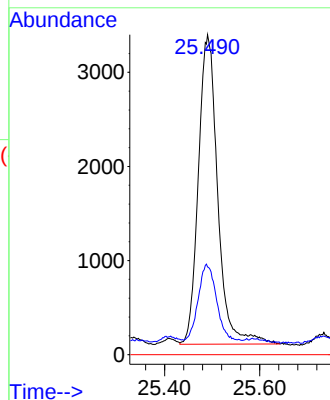
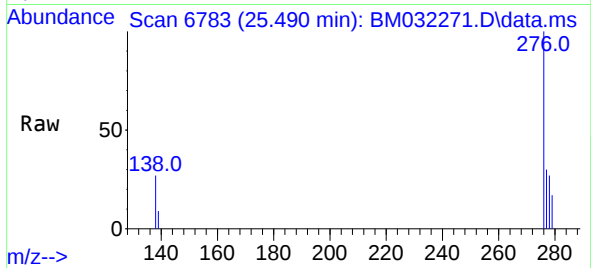
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.164 ng/ul
RT: 25.490 min Scan# 6783
Delta R.T. -0.015 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58

Tgt Ion: 276 Resp: 9263
Ion Ratio Lower Upper
276 100
138 23.2 24.3 36.5#
227 0.0 0.0 0.0

Instrument :
BNA_M
ClientSampleID :
C0AJ3DL

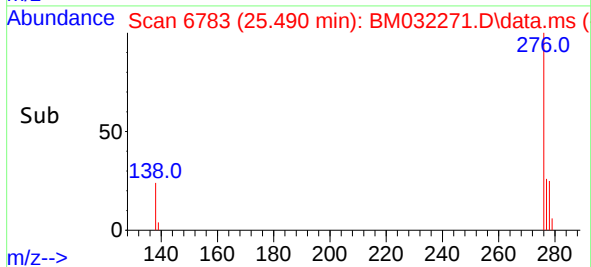
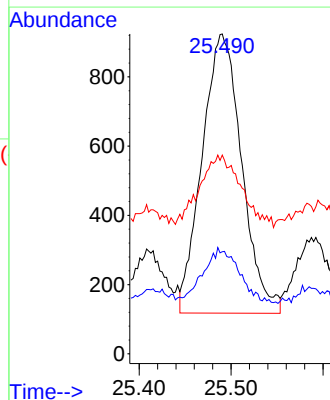
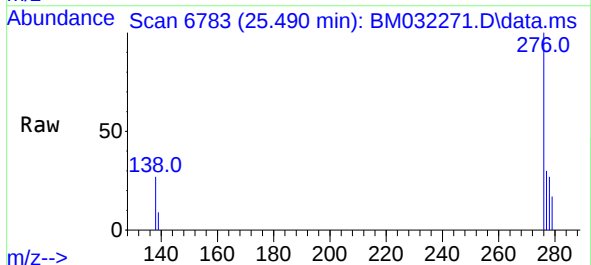
Manual Integrations
APPROVED

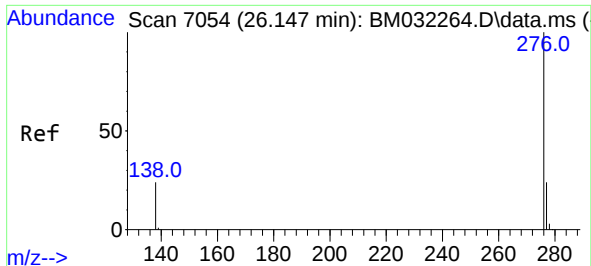
mohammad
9/30/2021 11:29:34 AM



#28
Dibenzo(a,h)anthracene
Concen: 0.053 ng/ul
RT: 25.490 min Scan# 6783
Delta R.T. -0.019 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58

Tgt Ion: 278 Resp: 2419
Ion Ratio Lower Upper
278 100
139 31.9 16.6 24.8#
279 62.1 23.0 34.6#





#29
Benzo(g,h,i)perylene
Concen: 0.158 ng/ul
RT: 26.149 min Scan# 7055
Delta R.T. -0.015 min
Lab File: BM032271.D
Acq: 29 Sep 2021 12:58

Tgt Ion:	276	Resp:	8461
Ion Ratio	Lower	Upper	
276	100		
138	27.8	21.0	31.4
277	28.7	19.8	29.8

Instrument :
BNA_M
ClientSampleId :
C0AJ3DL

Manual Integrations
APPROVED

mohammad
9/30/2021 11:29:34 AM

