

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101921\
 Data File : BM032656.D
 Acq On : 21 Oct 2021 14:49
 Operator : CG/JU
 Sample : M4207-07
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AY7

Manual Integrations
 APPROVED

mohammad
 10/22/2021 11:18:25 AM

Quant Time: Oct 21 15:22:20 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 20 16:33:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.549	152	5090	0.40	ng/ul	0.00
4) Naphthalene-d8	10.334	136	16044	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.205	164	7776	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.939	188	13926	0.40	ng/ul	# 0.00
17) Chrysene-d12	21.120	240	9633	0.40	ng/ul	0.00
23) Perylene-d12	23.256	264	15870	0.40	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.920	96	3197	0.56	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.931	152	910	0.04	ng/ul	0.00
18) Fluoranthene-d10	18.965	212	1553	0.05	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.384	128	27023	0.56	ng/ul	99
7) 2-Methylnaphthalene	12.003	142	14659	0.46	ng/ul	98
8) 1-Methylnaphthalene	12.228	142	6793	0.22	ng/ul	99
10) Acenaphthylene	13.924	152	31605	0.95	ng/ul	99
11) Acenaphthene	14.270	153	4484	0.15	ng/ul	97
12) Fluorene	15.256	166	15704	0.46	ng/ul	97
14) Pentachlorophenol	16.613	266	256	0.07	ng/ul	95
15) Phenanthrene	16.981	178	143419	3.06	ng/ul	99
16) Anthracene	17.071	178	1231838	29.95	ng/ul	99
19) Fluoranthene	19.000	202	649913	13.64	ng/ul	97
20) Pyrene	19.362	202	598588	12.22	ng/ul	98
21) Benzo(a)anthracene	21.104	228	502897	13.36	ng/ul	99
22) Chrysene	21.157	228	1819448	43.93	ng/ul	99
24) Benzo(b)fluoranthene	22.626	252	1149104m	15.67	ng/ul	
25) Benzo(k)fluoranthene	22.663	252	498183m	6.82	ng/ul	
26) Benzo(a)pyrene	23.164	252	687353	11.18	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	25.369	276	1117396	14.87	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.367	278	289078	4.88	ng/ul	95
29) Benzo(g,h,i)perylene	26.023	276	1126453	17.20	ng/ul	98

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

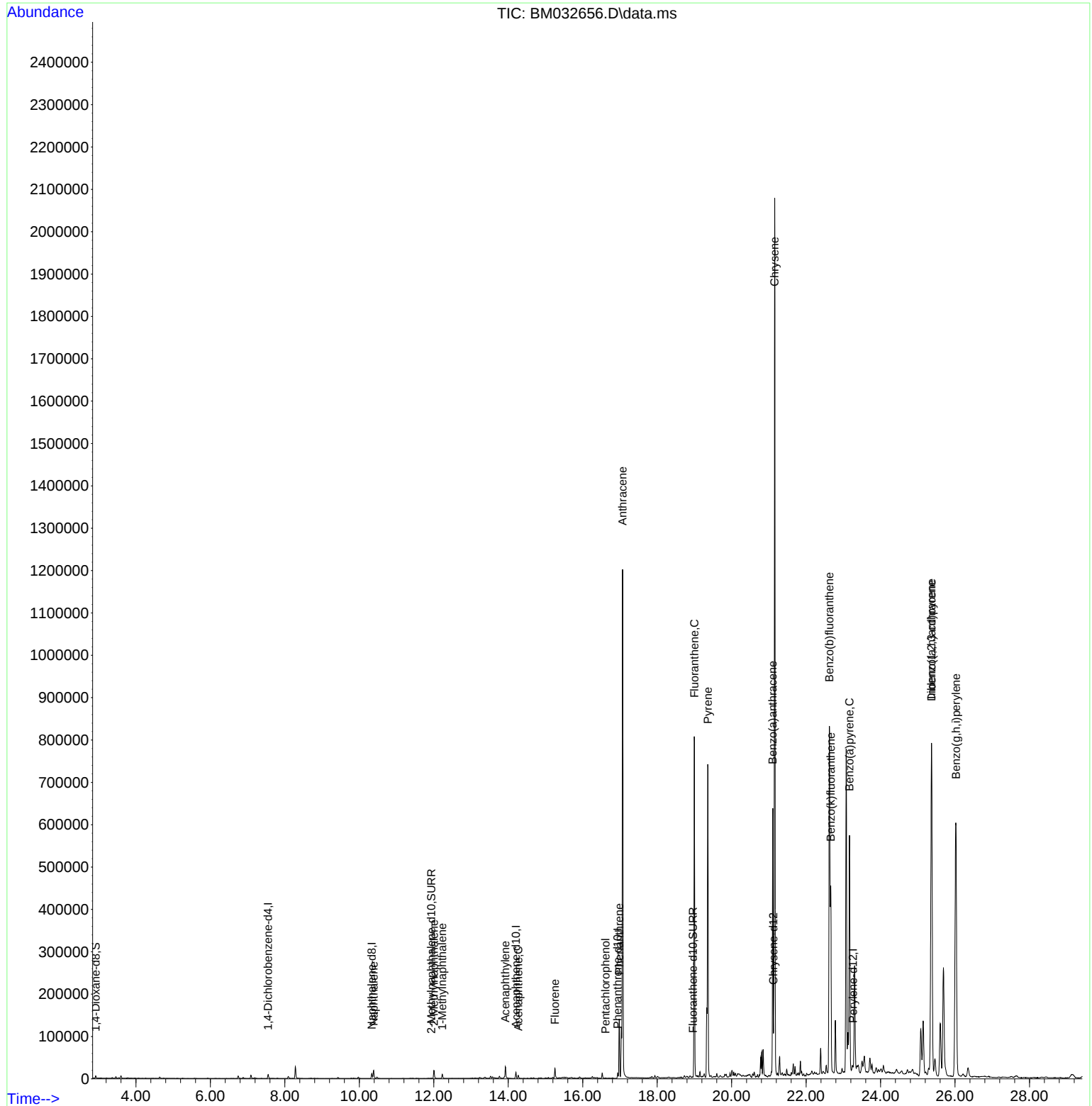
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101921\
Data File : BM032656.D
Acq On : 21 Oct 2021 14:49
Operator : CG/JU
Sample : M4207-07
Misc :
ALS Vial : 75 Sample Multiplier: 1

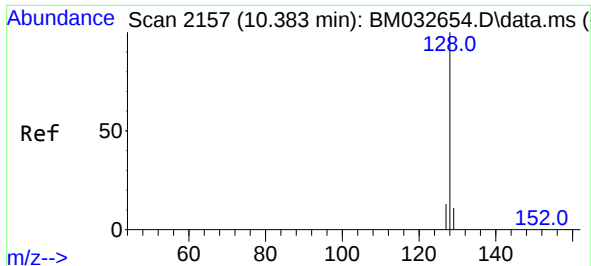
Instrument :
BNA_M
ClientSampleId :
C0AY7

Manual Integrations
APPROVED

mohammad
10/22/2021 11:18:25 AM

Quant Time: Oct 21 15:22:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 20 16:33:56 2021
Response via : Initial Calibration





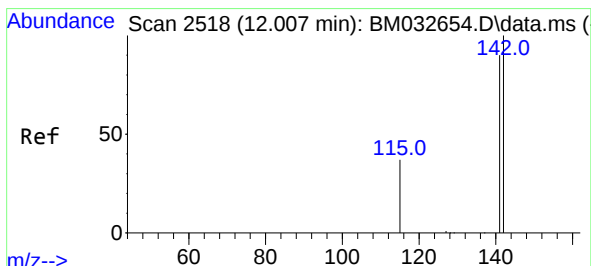
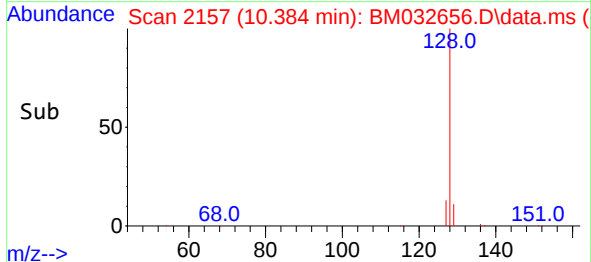
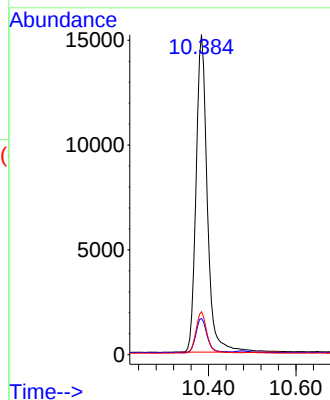
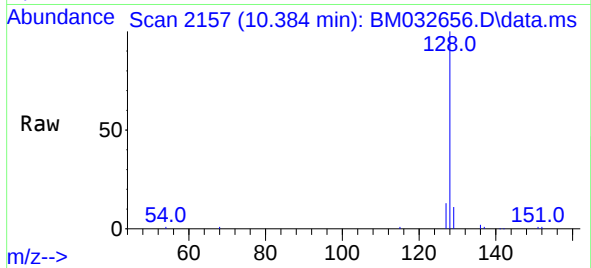
#5
Naphthalene
Concen: 0.56 ng/ul
RT: 10.384 min Scan# 2157
Delta R.T. -0.005 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49

Tgt Ion:	128	Resp:	27023
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.1	13.7
127	13.4	11.1	16.7

Instrument :
BNA_M
ClientSampleId :
C0AY7

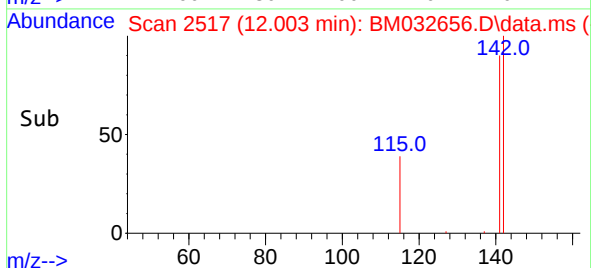
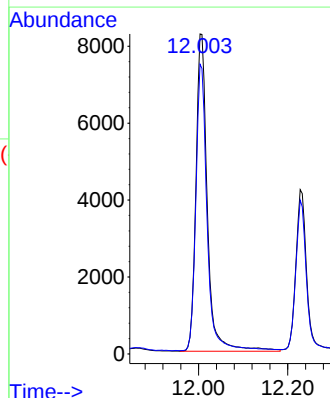
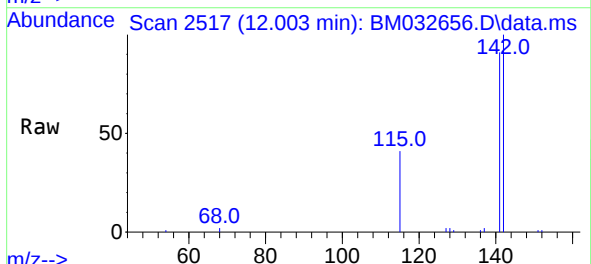
Manual Integrations
APPROVED

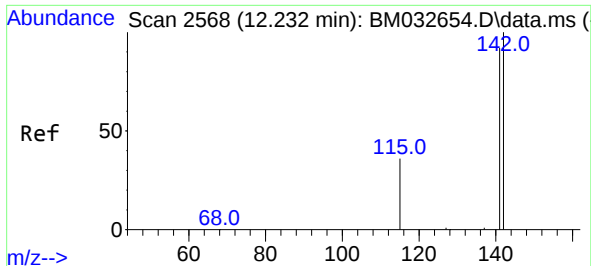
mohammad
10/22/2021 11:18:25 AM



#7
2-Methylnaphthalene
Concen: 0.46 ng/ul
RT: 12.003 min Scan# 2517
Delta R.T. -0.009 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49

Tgt Ion:	142	Resp:	14659
Ion Ratio	Lower	Upper	
142	100		
141	88.7	72.2	108.2





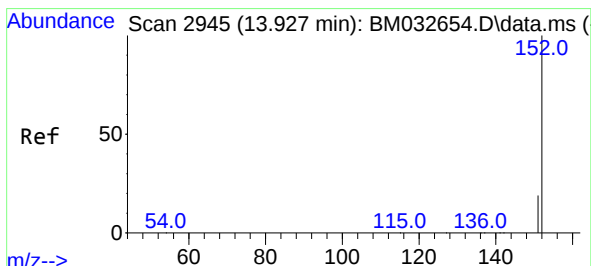
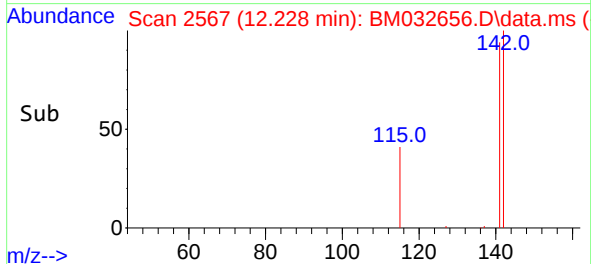
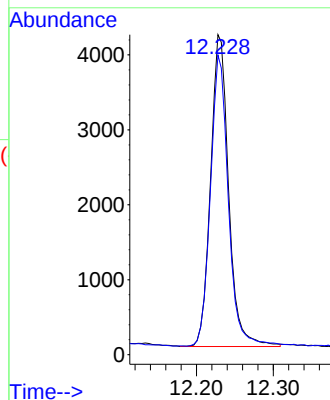
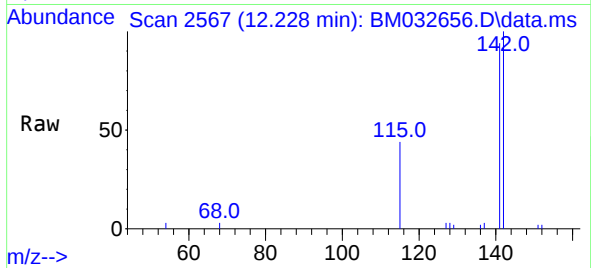
#8
1-Methylnaphthalene
Concen: 0.22 ng/ul
RT: 12.228 min Scan# 2567
Delta R.T. -0.005 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49

Tgt Ion:142 Resp: 6793
Ion Ratio Lower Upper
142 100
141 92.5 74.9 112.3

Instrument :
BNA_M
ClientSampled :
C0AY7

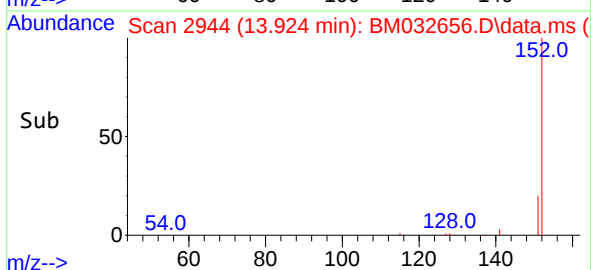
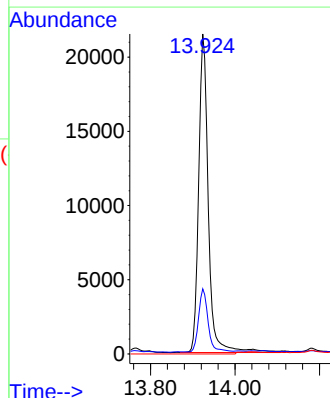
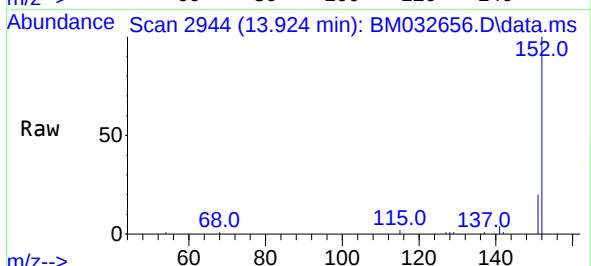
Manual Integrations
APPROVED

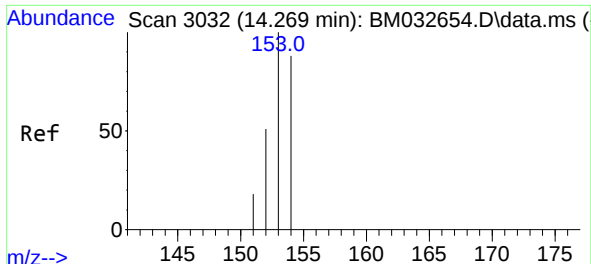
mohammad
10/22/2021 11:18:25 AM



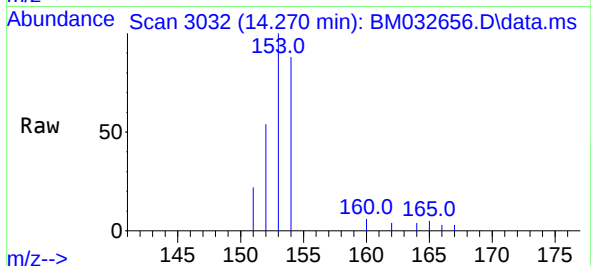
#10
Acenaphthylene
Concen: 0.95 ng/ul
RT: 13.924 min Scan# 2944
Delta R.T. -0.005 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49

Tgt Ion:152 Resp: 31605
Ion Ratio Lower Upper
152 100
151 20.4 16.7 25.1
153 0.0 0.0 0.0

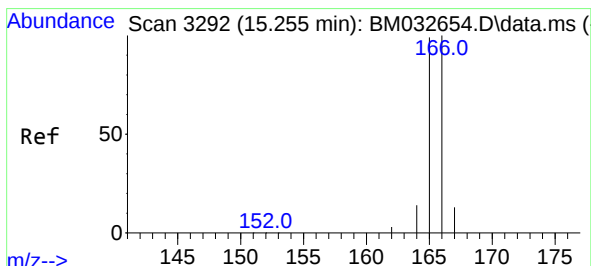
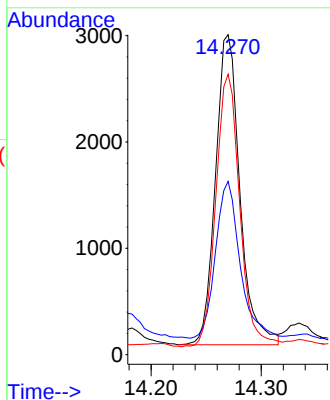
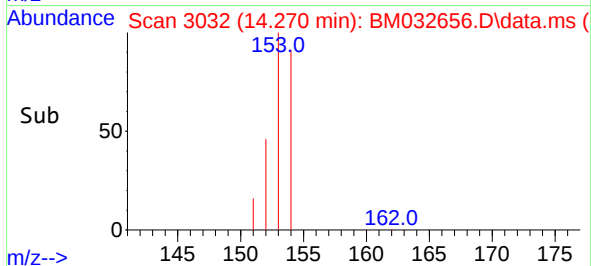




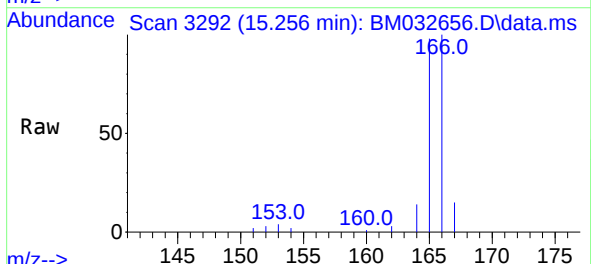
#11
Acenaphthene
Concen: 0.15 ng/ul
RT: 14.270 min Scan# 3032
Delta R.T. -0.004 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49



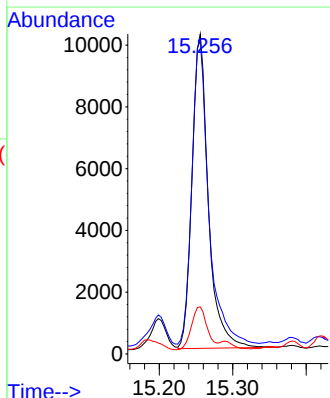
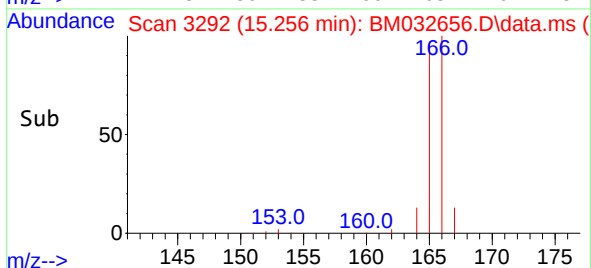
Tgt Ion:153 Resp: 4484
Ion Ratio Lower Upper
153 100
152 54.2 40.4 60.6
154 87.6 70.8 106.2



#12
Fluorene
Concen: 0.46 ng/ul
RT: 15.256 min Scan# 3292
Delta R.T. -0.004 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49



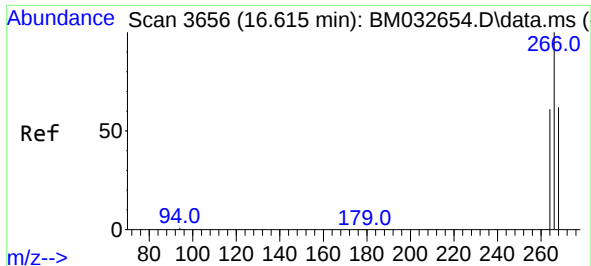
Tgt Ion:166 Resp: 15704
Ion Ratio Lower Upper
166 100
165 97.8 80.7 121.1
167 14.7 11.2 16.8



Instrument :
BNA_M
ClientSampleId :
C0AY7

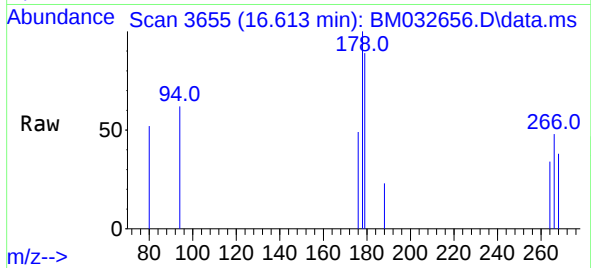
Manual Integrations
APPROVED

mohammad
10/22/2021 11:18:25 AM



#14
 Pentachlorophenol
 Concen: 0.07 ng/ul
 RT: 16.613 min Scan# 3655
 Delta R.T. -0.007 min
 Lab File: BM032656.D
 Acq: 21 Oct 2021 14:49

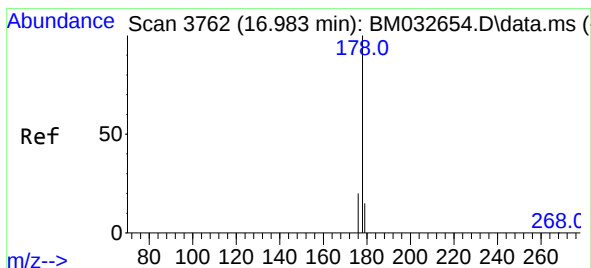
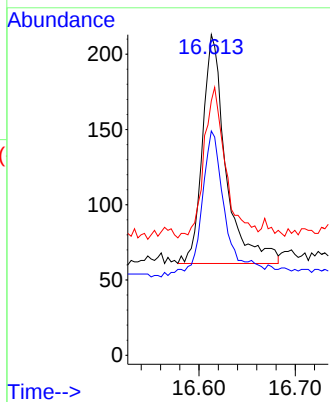
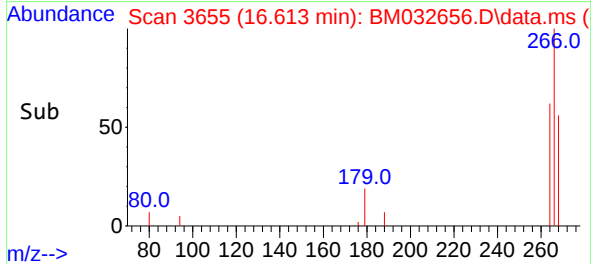
Instrument :
 BNA_M
 ClientSampleId :
 C0AY7



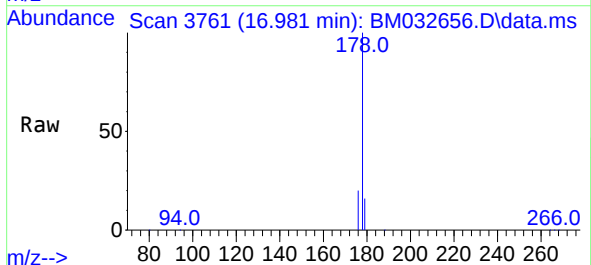
Tgt Ion:266 Resp: 256
 Ion Ratio Lower Upper
 266 100
 264 57.0 50.8 76.2
 268 61.3 50.2 75.2

Manual Integrations
 APPROVED

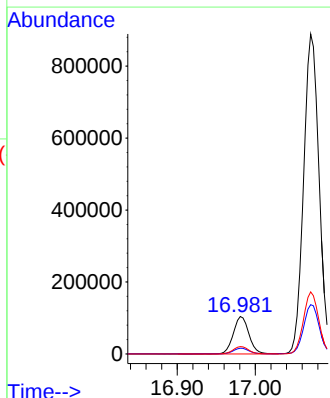
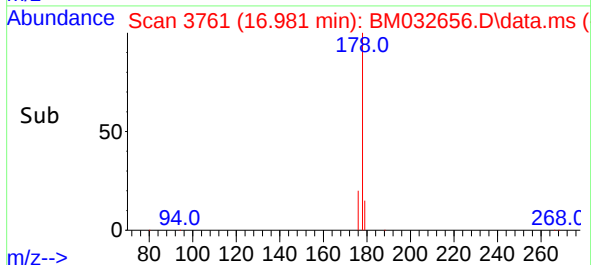
mohammad
 10/22/2021 11:18:25 AM

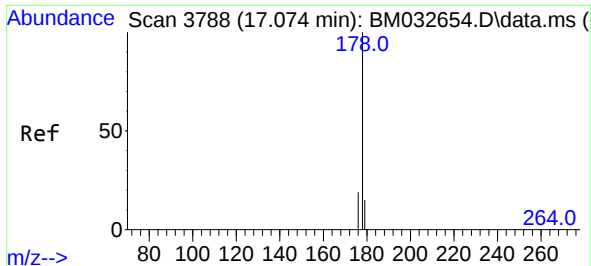


#15
 Phenanthrene
 Concen: 3.06 ng/ul
 RT: 16.981 min Scan# 3761
 Delta R.T. -0.007 min
 Lab File: BM032656.D
 Acq: 21 Oct 2021 14:49



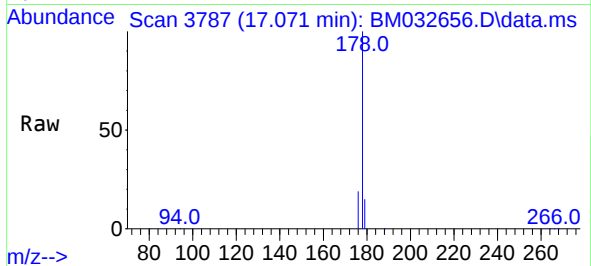
Tgt Ion:178 Resp: 143419
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.9 19.3
 176 19.6 16.1 24.1





#16
 Anthracene
 Concen: 29.95 ng/ul
 RT: 17.071 min Scan# 3787
 Delta R.T. -0.007 min
 Lab File: BM032656.D
 Acq: 21 Oct 2021 14:49

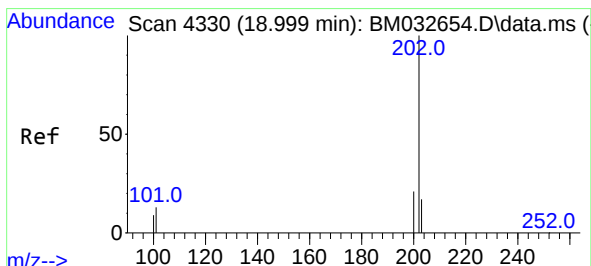
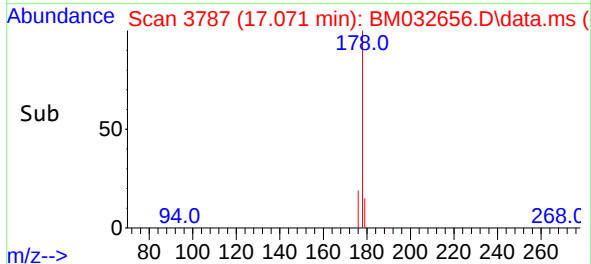
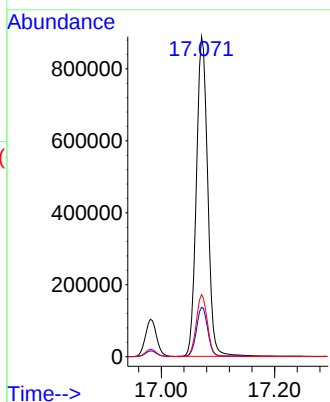
Instrument :
 BNA_M
 ClientSampleId :
 C0AY7



Tgt Ion:178 Resp: 1231838
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.9 19.3
 176 19.4 15.8 23.6

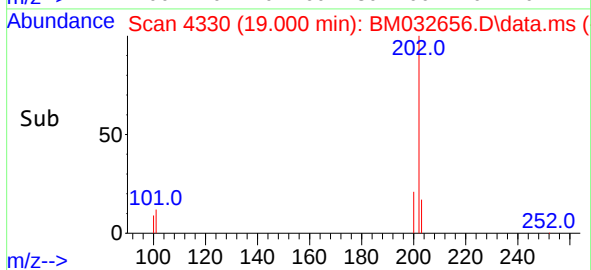
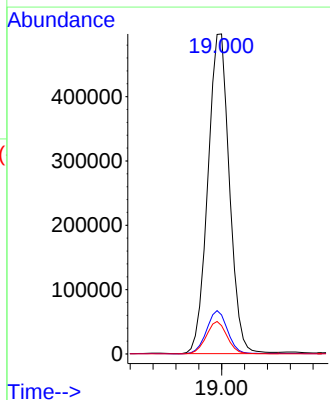
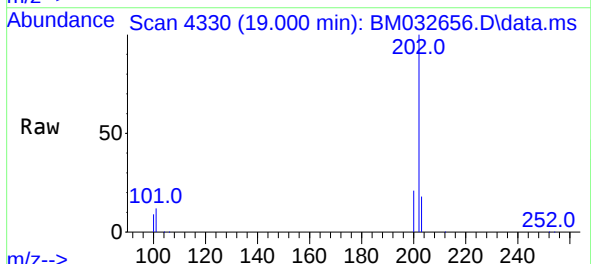
Manual Integrations
 APPROVED

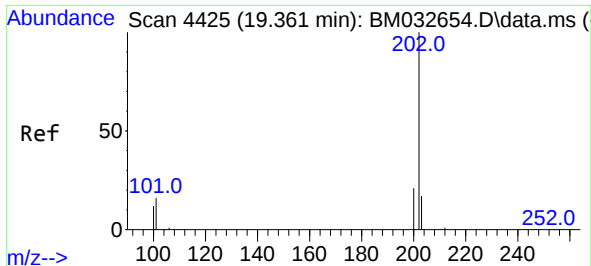
mohammad
 10/22/2021 11:18:25 AM



#19
 Fluoranthene
 Concen: 13.64 ng/ul
 RT: 19.000 min Scan# 4330
 Delta R.T. -0.004 min
 Lab File: BM032656.D
 Acq: 21 Oct 2021 14:49

Tgt Ion:202 Resp: 649913
 Ion Ratio Lower Upper
 202 100
 101 12.2 10.6 16.0
 100 8.8 7.8 11.8





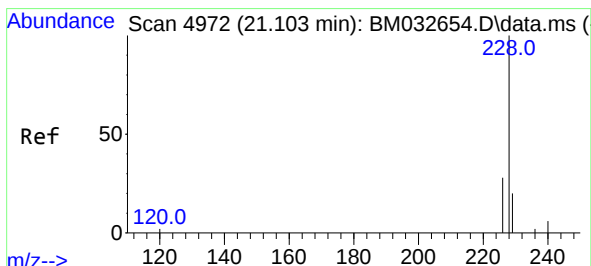
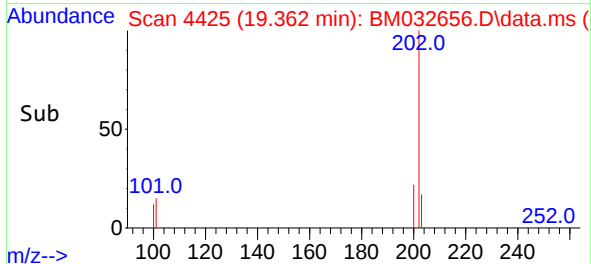
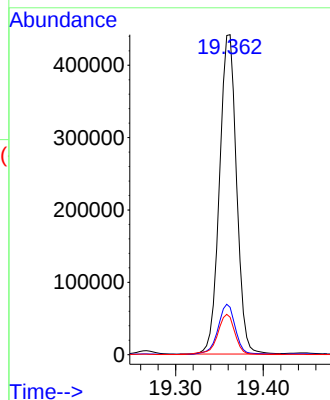
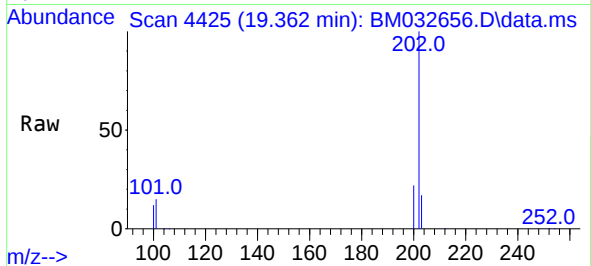
#20
Pyrene
Concen: 12.22 ng/ul
RT: 19.362 min Scan# 4425
Delta R.T. -0.004 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49

Tgt Ion:202 Resp: 598588
Ion Ratio Lower Upper
202 100
101 14.8 12.3 18.5
100 11.7 10.1 15.1

Instrument :
BNA_M
ClientSampled :
C0AY7

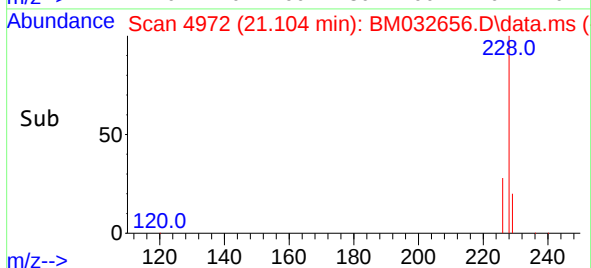
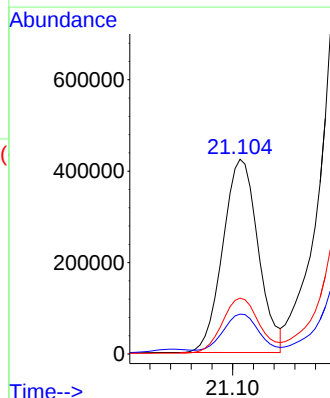
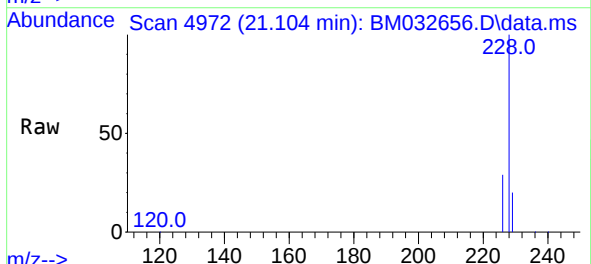
Manual Integrations
APPROVED

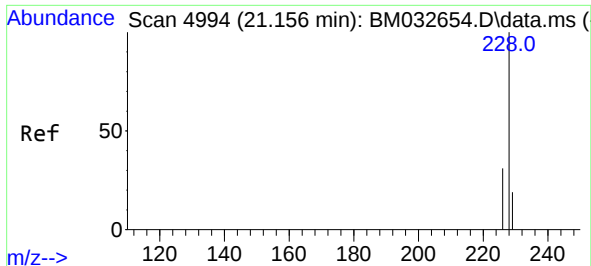
mohammad
10/22/2021 11:18:25 AM



#21
Benzo(a)anthracene
Concen: 13.36 ng/ul
RT: 21.104 min Scan# 4972
Delta R.T. -0.005 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49

Tgt Ion:228 Resp: 502897
Ion Ratio Lower Upper
228 100
229 20.5 15.9 23.9
226 28.7 22.4 33.6





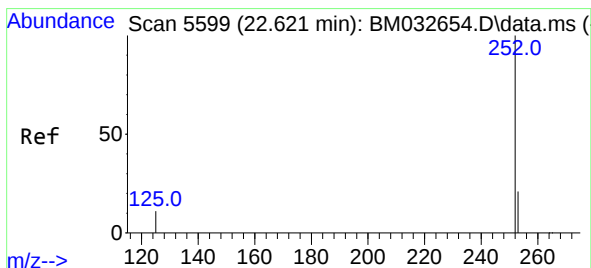
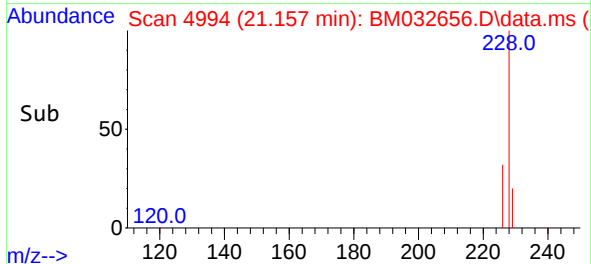
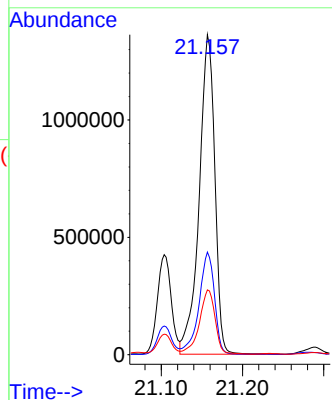
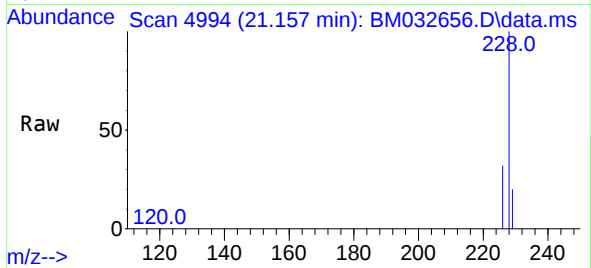
#22
Chrysene
Concen: 43.93 ng/u1
RT: 21.157 min Scan# 4994
Delta R.T. -0.003 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49

Tgt Ion:228 Resp: 1819448
Ion Ratio Lower Upper
228 100
226 32.0 25.1 37.7
229 20.3 15.7 23.5

Instrument :
BNA_M
ClientSampleId :
C0AY7

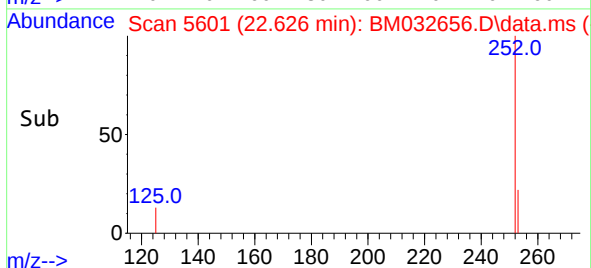
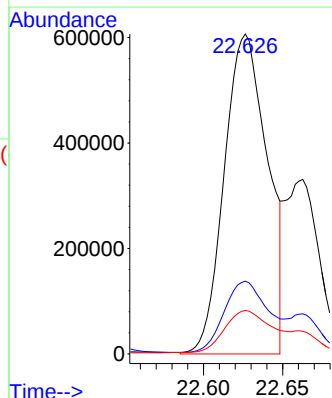
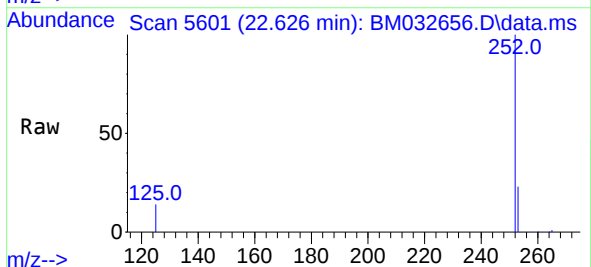
Manual Integrations
APPROVED

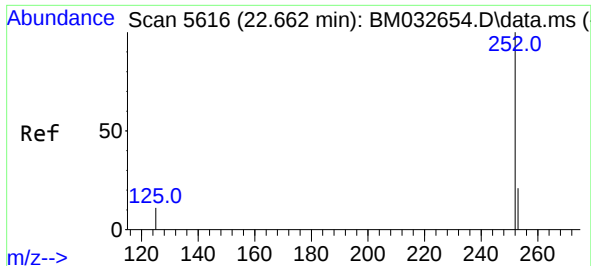
mohammad
10/22/2021 11:18:25 AM



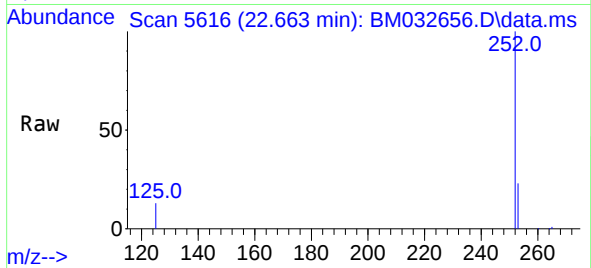
#24
Benzo(b)fluoranthene
Concen: 15.67 ng/u1 m
RT: 22.626 min Scan# 5601
Delta R.T. -0.000 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49

Tgt Ion:252 Resp: 1149104
Ion Ratio Lower Upper
252 100
253 22.8 0.0 53.8
125 13.6 0.0 35.6

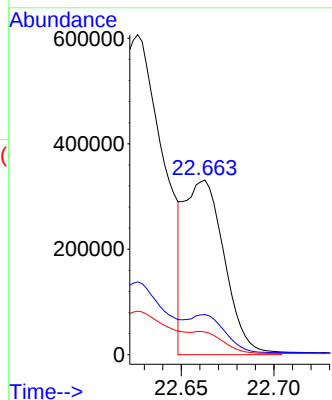




#25
Benzo(k)fluoranthene
Concen: 6.82 ng/ul m
RT: 22.663 min Scan# 5616
Delta R.T. -0.003 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49



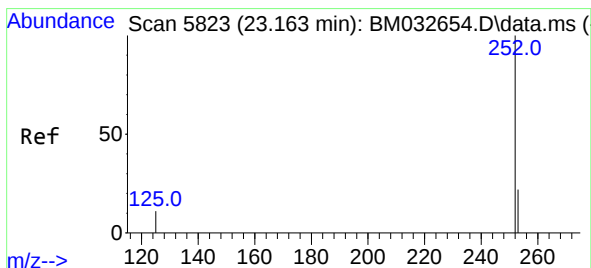
Tgt Ion:252 Resp: 498183
Ion Ratio Lower Upper
252 100
253 23.0 21.8 32.6
125 13.1 14.4 21.6#



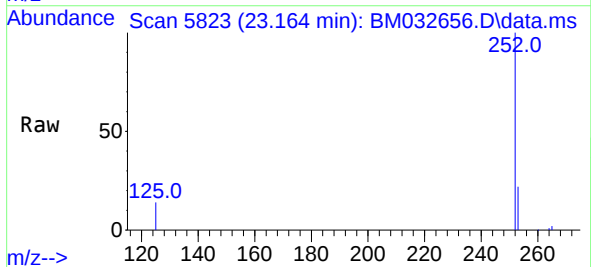
Instrument :
BNA_M
ClientSampleId :
C0AY7

Manual Integrations
APPROVED

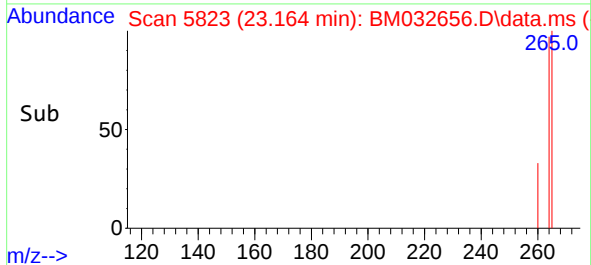
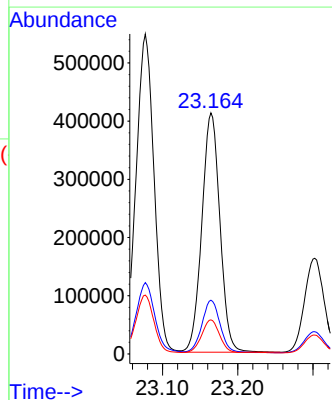
mohammad
10/22/2021 11:18:25 AM

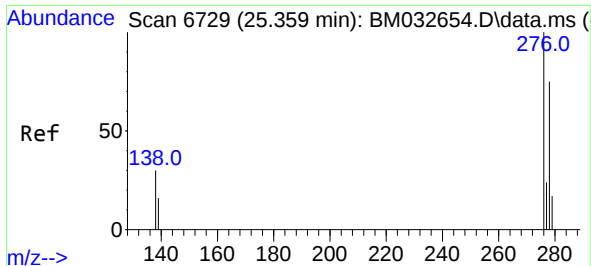


#26
Benzo(a)pyrene
Concen: 11.18 ng/ul
RT: 23.164 min Scan# 5823
Delta R.T. -0.005 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49



Tgt Ion:252 Resp: 687353
Ion Ratio Lower Upper
252 100
253 22.3 23.6 35.4#
125 14.1 17.1 25.7#





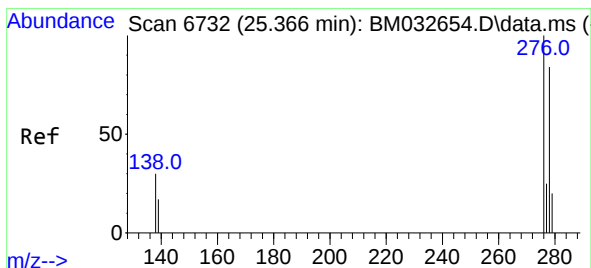
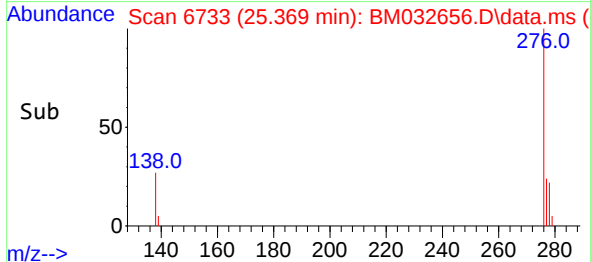
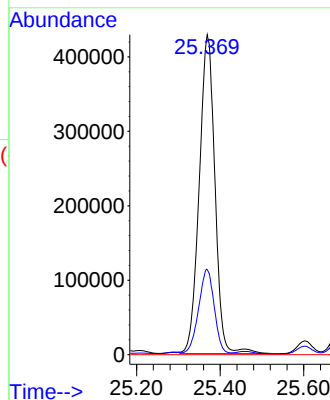
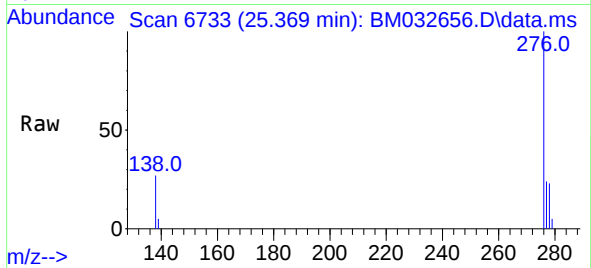
#27
Indeno(1,2,3-cd)pyrene
Concen: 14.87 ng/ul
RT: 25.369 min Scan# 6733
Delta R.T. -0.003 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49

Tgt Ion:276 Resp: 1117396
Ion Ratio Lower Upper
276 100
138 26.4 24.9 37.3
227 0.0 0.0 0.0

Instrument :
BNA_M
ClientSampled :
C0AY7

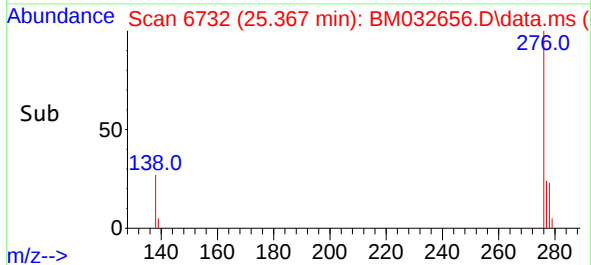
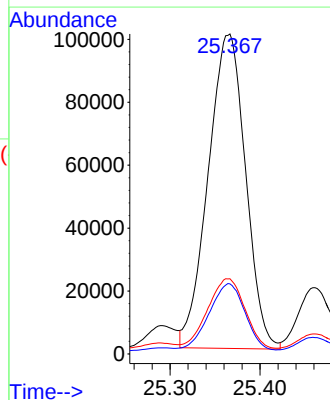
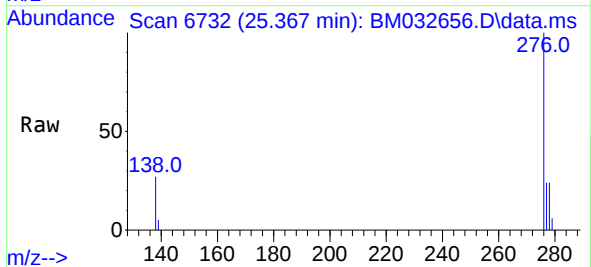
Manual Integrations
APPROVED

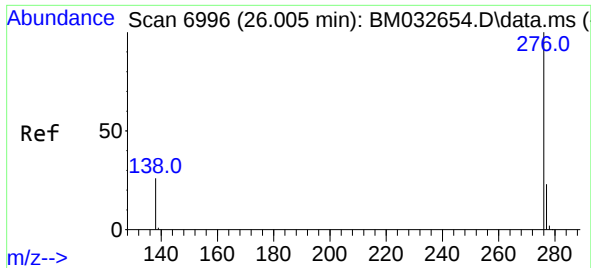
mohammad
10/22/2021 11:18:25 AM



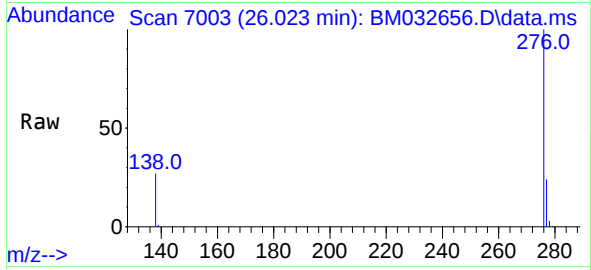
#28
Dibenzo(a,h)anthracene
Concen: 4.88 ng/ul
RT: 25.367 min Scan# 6732
Delta R.T. -0.010 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49

Tgt Ion:278 Resp: 289078
Ion Ratio Lower Upper
278 100
139 21.9 18.6 28.0
279 23.5 22.0 33.0

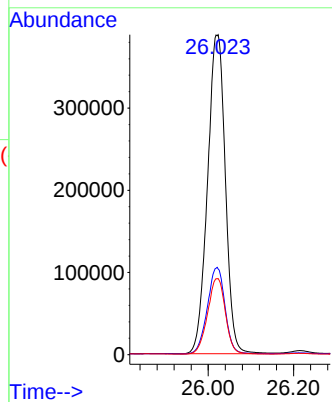
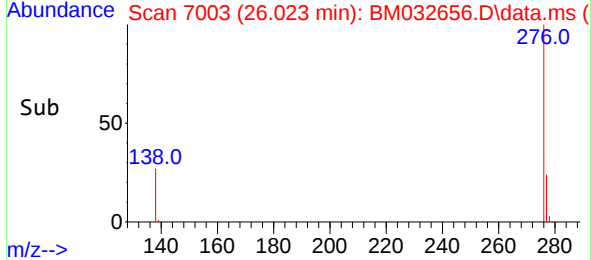




#29
Benzo(g,h,i)perylene
Concen: 17.20 ng/ul
RT: 26.023 min Scan# 7003
Delta R.T. 0.005 min
Lab File: BM032656.D
Acq: 21 Oct 2021 14:49



Tgt Ion: 276 Resp: 1126453
Ion Ratio Lower Upper
276 100
138 26.8 22.6 33.8
277 23.8 19.9 29.9



Instrument :
BNA_M
ClientSampleId :
C0AY7

Manual Integrations
APPROVED

mohammad
10/22/2021 11:18:25 AM