

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
 Data File : BM032542.D
 Acq On : 16 Oct 2021 01:07
 Operator : CG/JU
 Sample : M4029-12DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00R7DL

Manual Integrations
 APPROVED

mohammad
 10/18/2021 12:42:16 PM

Quant Time: Oct 18 04:10:27 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 : Fri Oct 15 12:37:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.553	152	7040	0.40	ng/ul	0.00
4) Naphthalene-d8	10.339	136	22983	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.209	164	12472	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.946	188	24871	0.40	ng/ul	# 0.00
17) Chrysene-d12	21.123	240	17260	0.40	ng/ul	-0.01
23) Perylene-d12	23.256	264	13299	0.40	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.923	96	3176	0.40	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.936	152	829	0.03	ng/ul	0.00
18) Fluoranthene-d10	18.973	212	1801	0.03	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.389	128	4733	0.07	ng/ul#	96
7) 2-Methylnaphthalene	12.012	142	1506	0.03	ng/ul	97
8) 1-Methylnaphthalene	12.233	142	945	0.02	ng/ul	100
10) Acenaphthylene	13.928	152	2768	0.05	ng/ul	98
12) Fluorene	15.260	166	1208	0.02	ng/ul#	97
15) Phenanthrene	16.988	178	11681	0.14	ng/ul	99
16) Anthracene	17.074	178	3184	0.04	ng/ul#	94
19) Fluoranthene	19.004	202	43904	0.51	ng/ul	99
20) Pyrene	19.366	202	40681	0.46	ng/ul	99
21) Benzo(a)anthracene	21.106	228	19619	0.29	ng/ul	98
22) Chrysene	21.157	228	21087	0.28	ng/ul	98
24) Benzo(b)fluoranthene	22.627	252	24344m	0.40	ng/ul	
25) Benzo(k)fluoranthene	22.660	252	10409m	0.17	ng/ul	
26) Benzo(a)pyrene	23.162	252	13607	0.26	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	25.357	276	8842	0.14	ng/ul#	88
28) Dibenzo(a,h)anthracene	25.355	278	2137	0.04	ng/ul#	52
29) Benzo(g,h,i)perylene	26.004	276	7724	0.14	ng/ul	95

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

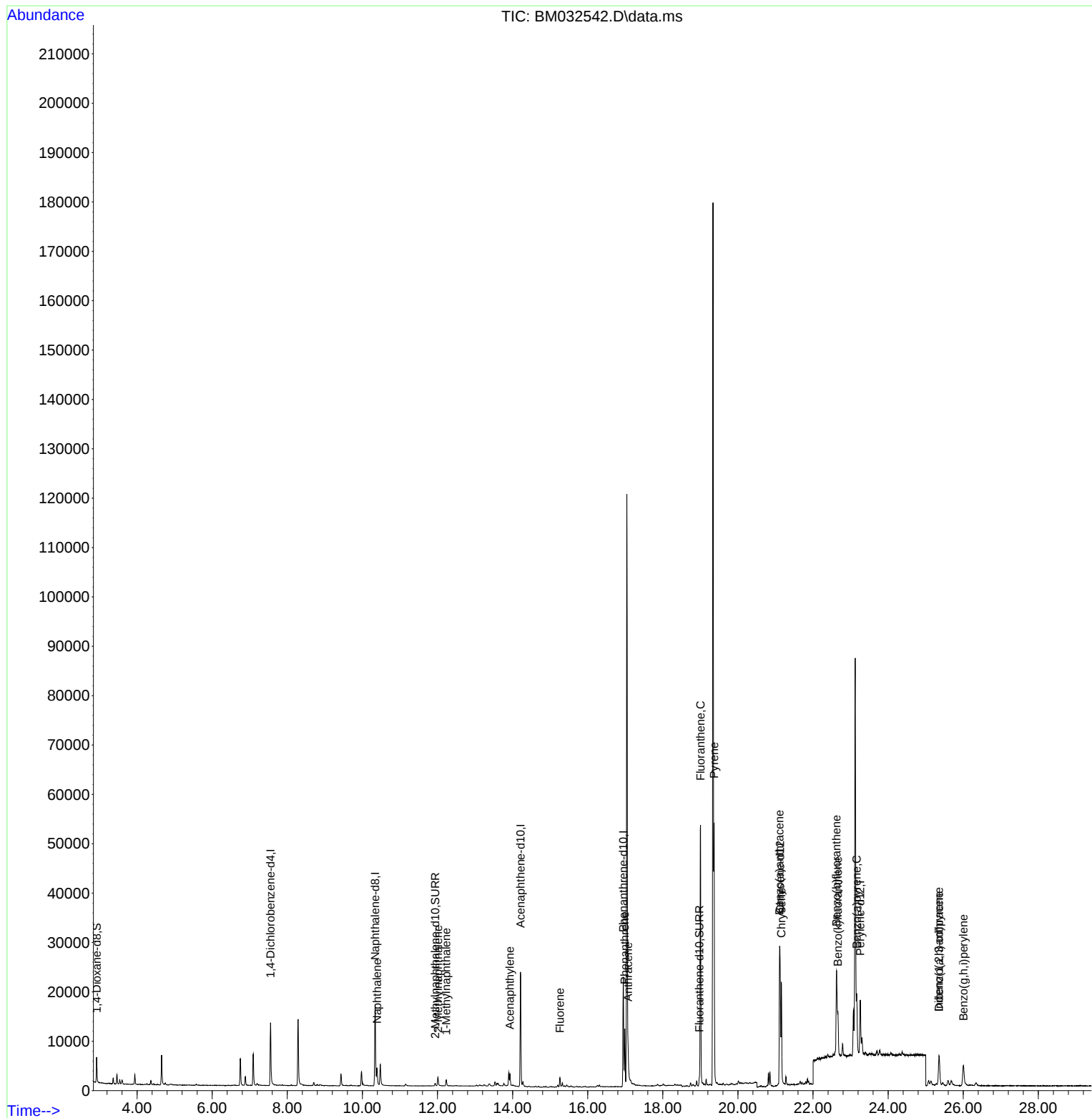
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032542.D
Acq On : 16 Oct 2021 01:07
Operator : CG/JU
Sample : M4029-12DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

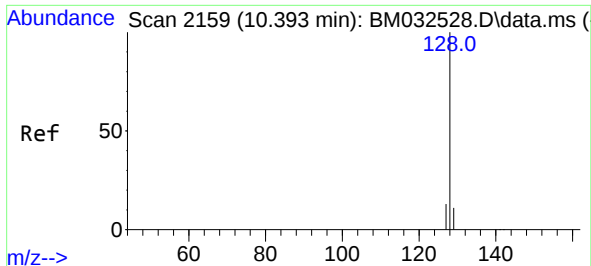
Instrument :
BNA_M
ClientSampleId :
C00R7DL

Manual Integrations
APPROVED

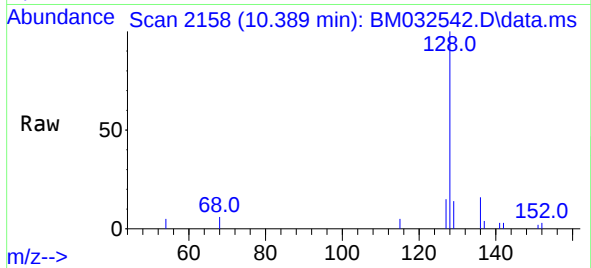
mohammad
10/18/2021 12:42:16 PM

Quant Time: Oct 18 04:10:27 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 : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

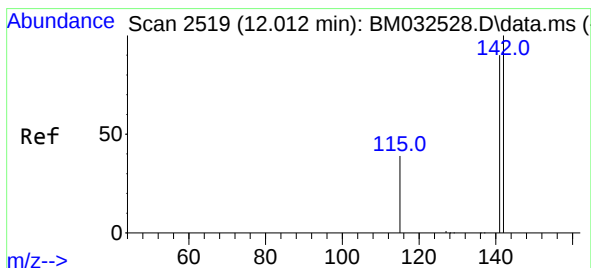
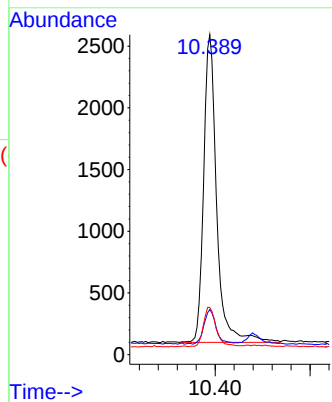
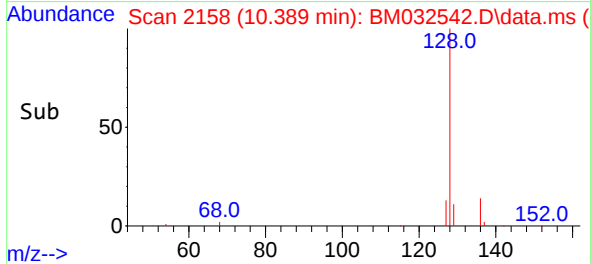




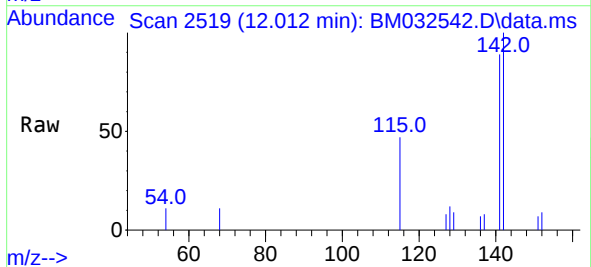
#5
Naphthalene
Concen: 0.07 ng/ul
RT: 10.389 min Scan# 2158
Delta R.T. -0.004 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07



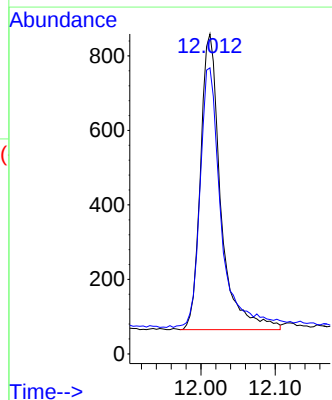
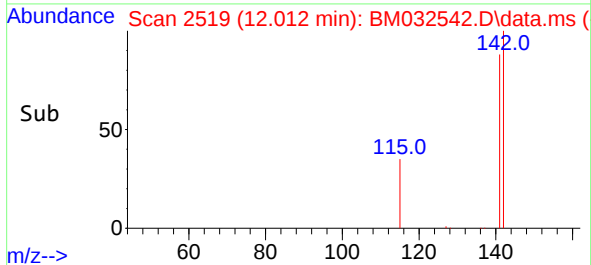
Tgt Ion:128 Resp: 4733
Ion Ratio Lower Upper
128 100
129 14.1 9.1 13.7#
127 14.7 11.1 16.7



#7
2-Methylnaphthalene
Concen: 0.03 ng/ul
RT: 12.012 min Scan# 2519
Delta R.T. 0.000 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07



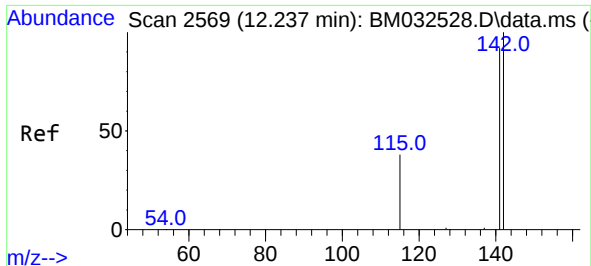
Tgt Ion:142 Resp: 1506
Ion Ratio Lower Upper
142 100
141 93.5 72.2 108.2



Instrument :
BNA_M
ClientSampleId :
C00R7DL

Manual Integrations
APPROVED

mohammad
10/18/2021 12:42:16 PM



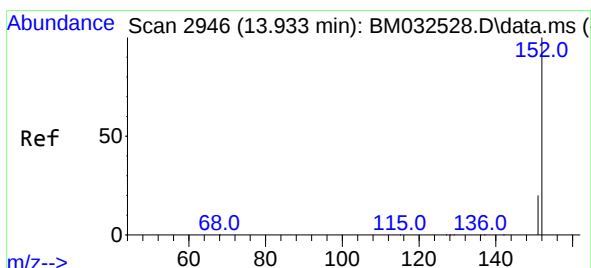
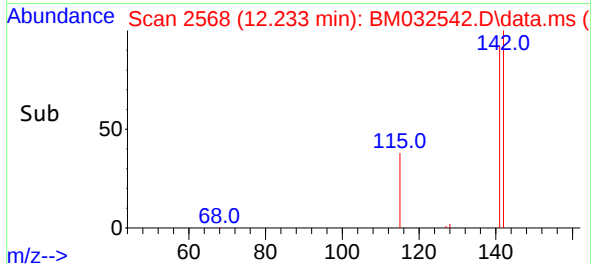
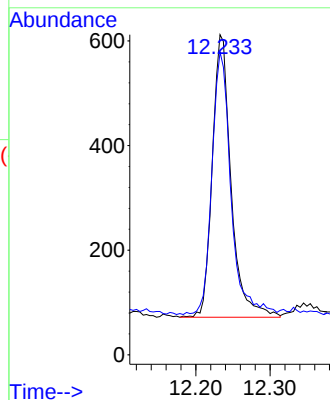
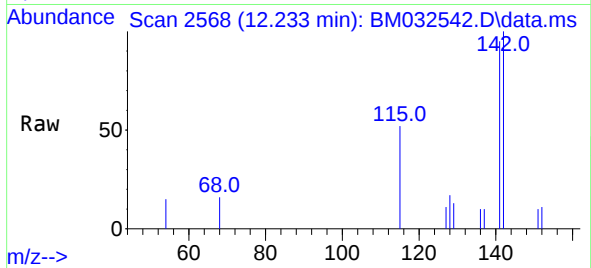
#8
1-Methylnaphthalene
Concen: 0.02 ng/ul
RT: 12.233 min Scan# 2568
Delta R.T. -0.004 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07

Tgt Ion:142 Resp: 945
Ion Ratio Lower Upper
142 100
141 94.1 74.9 112.3

Instrument :
BNA_M
ClientSampled :
C00R7DL

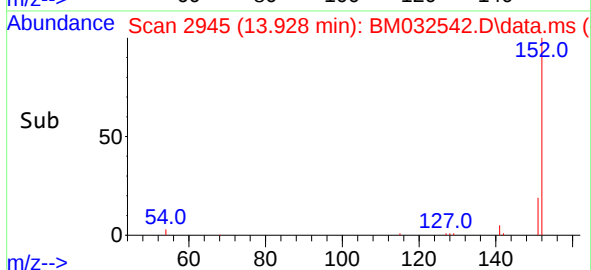
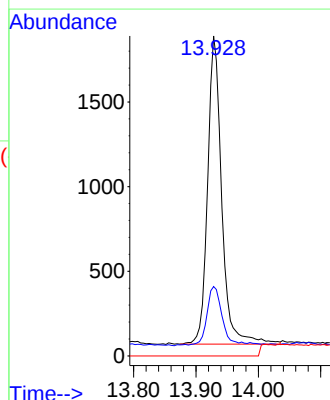
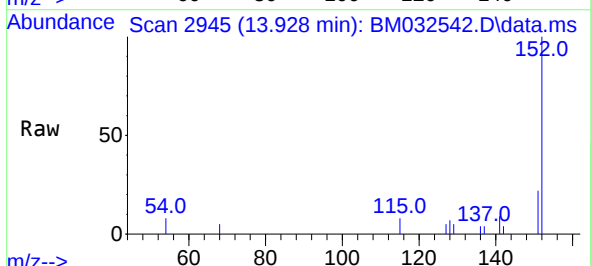
Manual Integrations
APPROVED

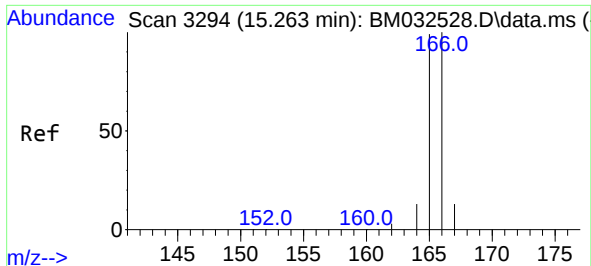
mohammad
10/18/2021 12:42:16 PM



#10
Acenaphthylene
Concen: 0.05 ng/ul
RT: 13.928 min Scan# 2945
Delta R.T. -0.004 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07

Tgt Ion:152 Resp: 2768
Ion Ratio Lower Upper
152 100
151 21.7 16.7 25.1
153 0.0 0.0 0.0





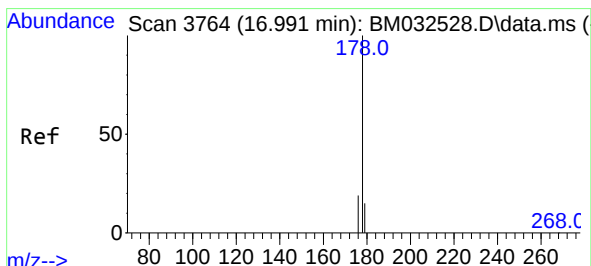
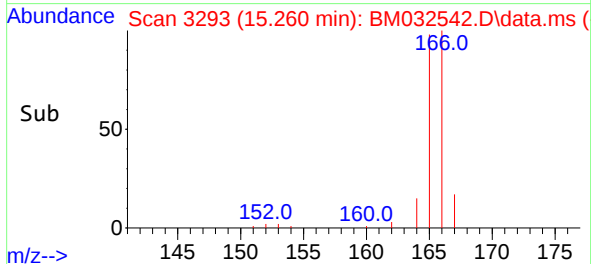
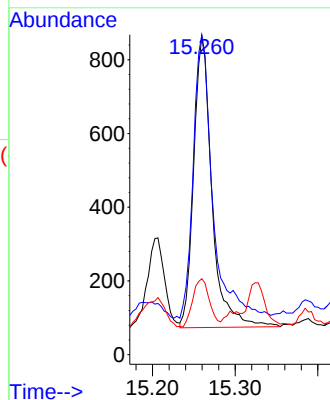
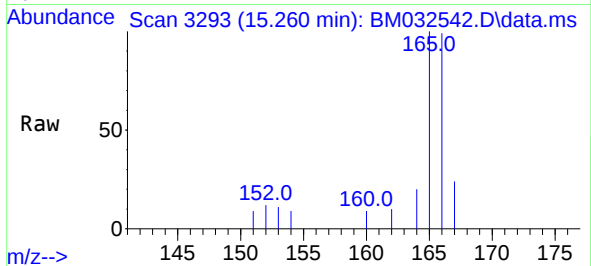
#12
Fluorene
Concen: 0.02 ng/ul
RT: 15.260 min Scan# 3293
Delta R.T. -0.004 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07

Tgt Ion:166 Resp: 1208
Ion Ratio Lower Upper
166 100
165 100.8 80.7 121.1
167 23.9 11.2 16.8#

Instrument :
BNA_M
ClientSampleID :
C00R7DL

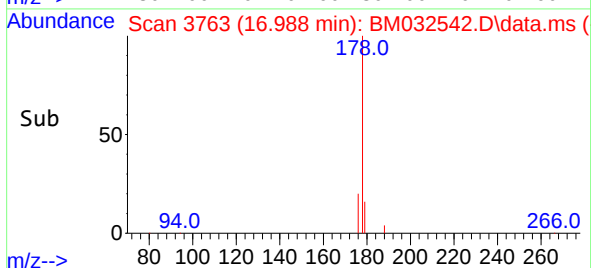
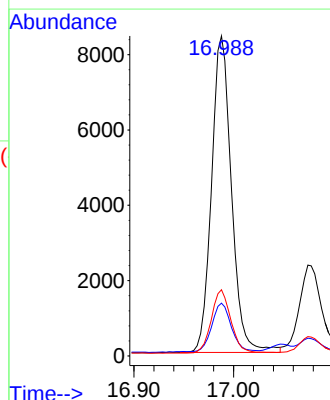
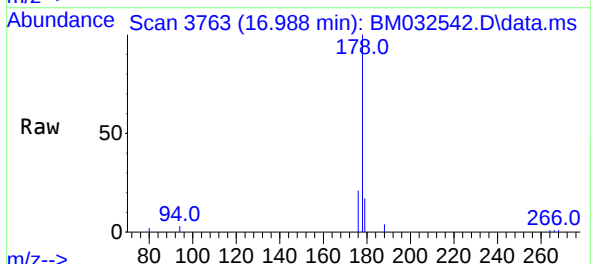
Manual Integrations
APPROVED

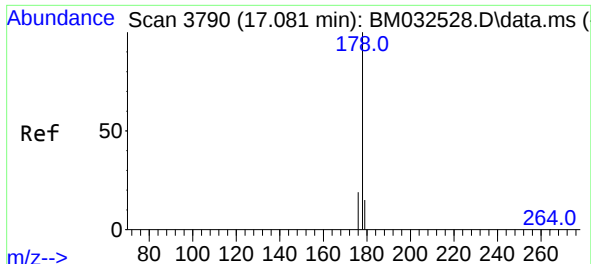
mohammad
10/18/2021 12:42:16 PM



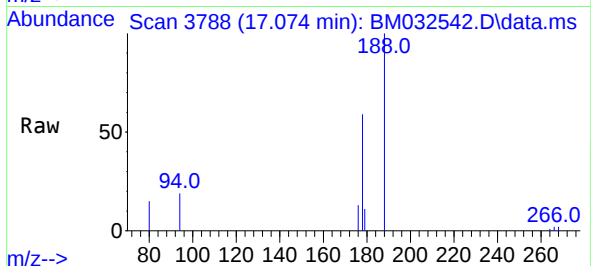
#15
Phenanthrene
Concen: 0.14 ng/ul
RT: 16.988 min Scan# 3763
Delta R.T. -0.007 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07

Tgt Ion:178 Resp: 11681
Ion Ratio Lower Upper
178 100
179 16.5 12.9 19.3
176 20.7 16.1 24.1

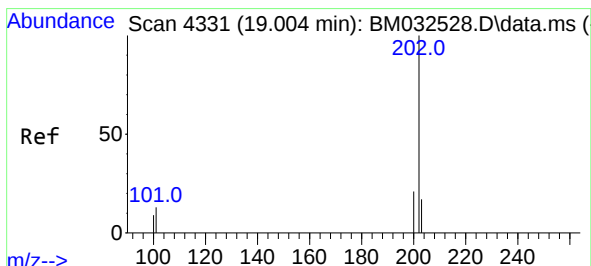
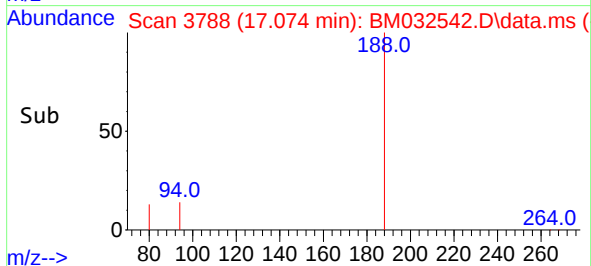
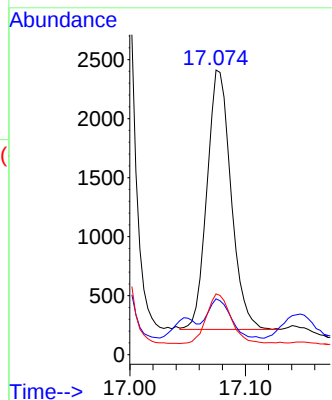




#16
 Anthracene
 Concen: 0.04 ng/ul
 RT: 17.074 min Scan# 3788
 Delta R.T. -0.010 min
 Lab File: BM032542.D
 Acq: 16 Oct 2021 01:07

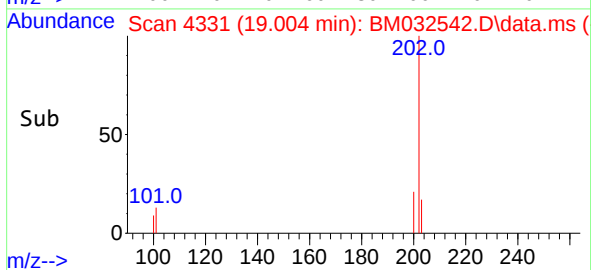
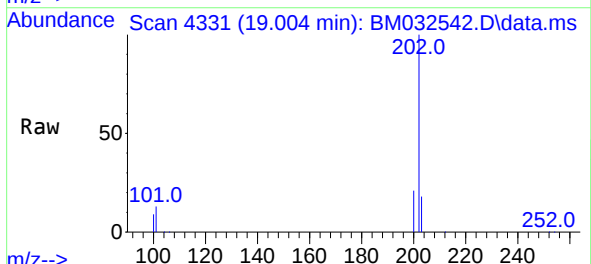
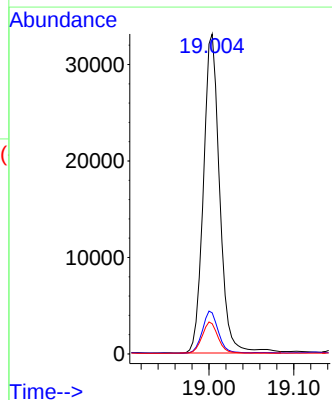


Tgt Ion:178 Resp: 3184
 Ion Ratio Lower Upper
 178 100
 179 19.6 12.9 19.3#
 176 21.4 15.8 23.6



#19
 Fluoranthene
 Concen: 0.51 ng/ul
 RT: 19.004 min Scan# 4331
 Delta R.T. -0.008 min
 Lab File: BM032542.D
 Acq: 16 Oct 2021 01:07

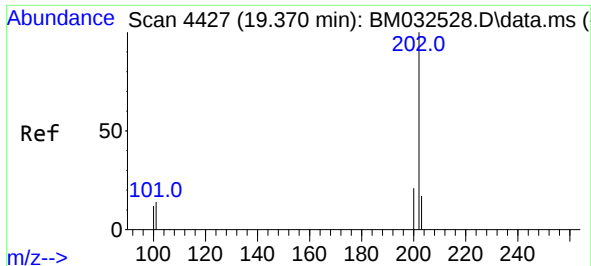
Tgt Ion:202 Resp: 43904
 Ion Ratio Lower Upper
 202 100
 101 12.8 10.6 16.0
 100 9.4 7.8 11.8



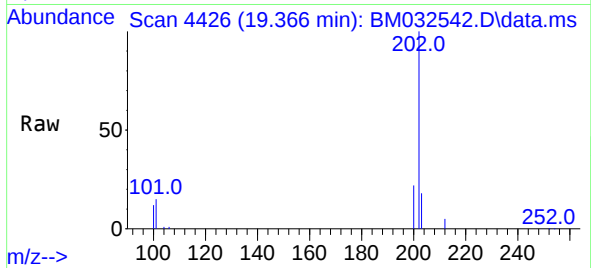
Instrument :
 BNA_M
 ClientSampleId :
 C00R7DL

Manual Integrations
 APPROVED

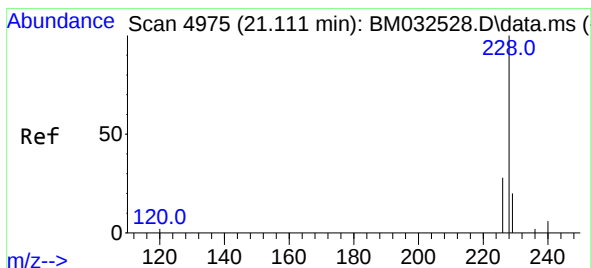
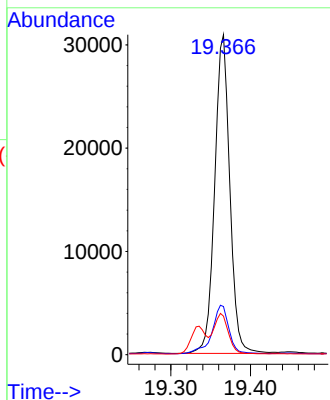
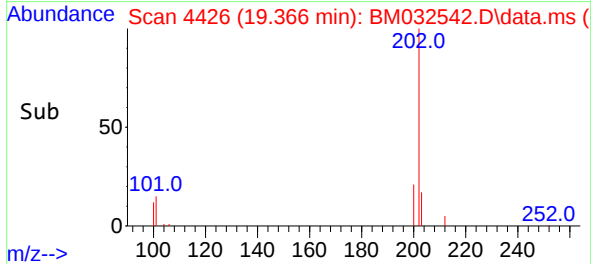
mohammad
 10/18/2021 12:42:16 PM



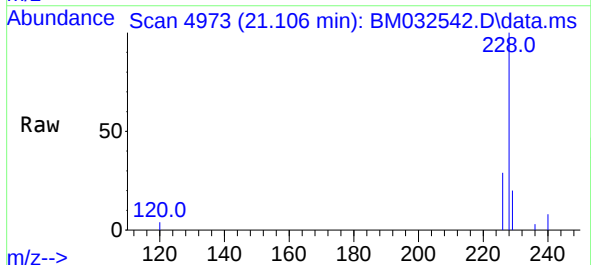
#20
Pyrene
Concen: 0.46 ng/ul
RT: 19.366 min Scan# 4426
Delta R.T. -0.008 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07



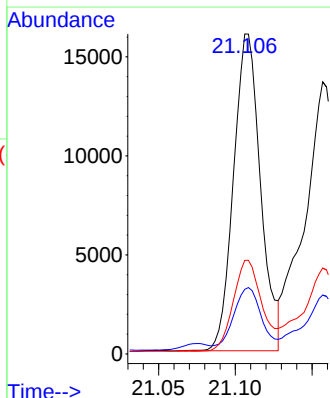
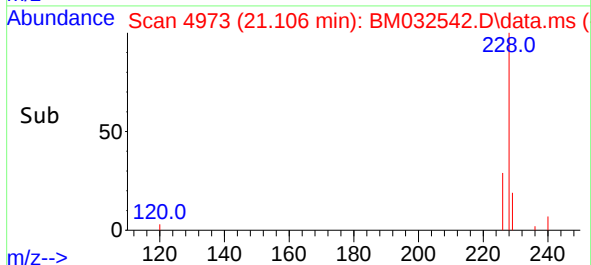
Tgt Ion:	202	Resp:	40681
Ion	Ratio	Lower	Upper
202	100		
101	15.0	12.3	18.5
100	12.0	10.1	15.1



#21
Benzo(a)anthracene
Concen: 0.29 ng/ul
RT: 21.106 min Scan# 4973
Delta R.T. -0.014 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07



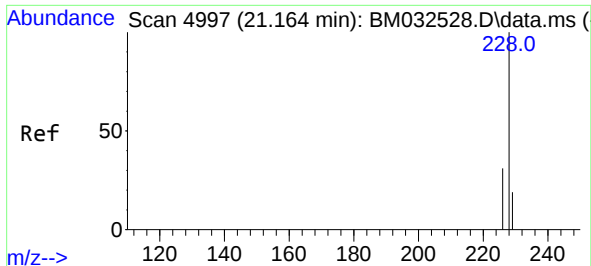
Tgt Ion:	228	Resp:	19619
Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.9	23.9
226	29.2	22.4	33.6



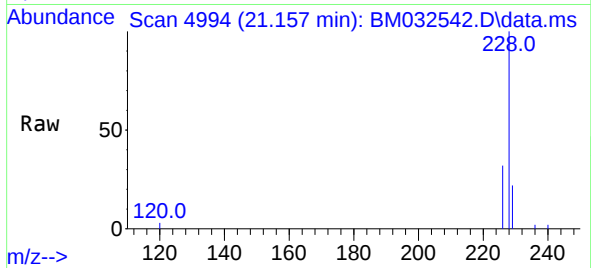
Instrument :
BNA_M
ClientSampleId :
C00R7DL

Manual Integrations
APPROVED

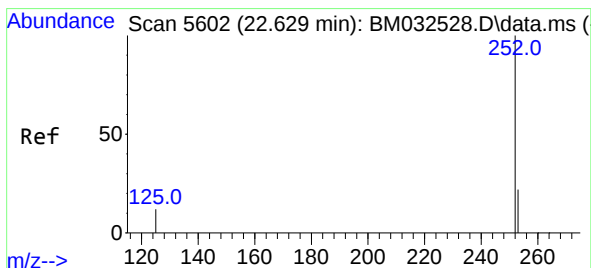
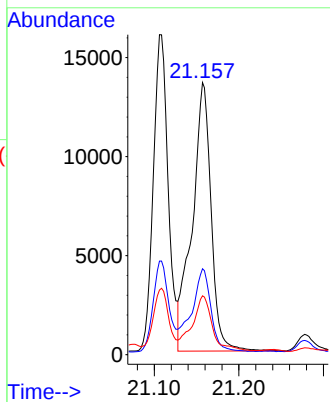
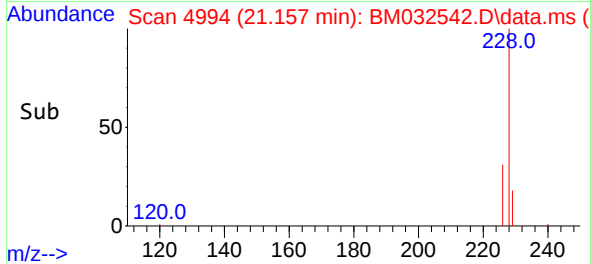
mohammad
10/18/2021 12:42:16 PM



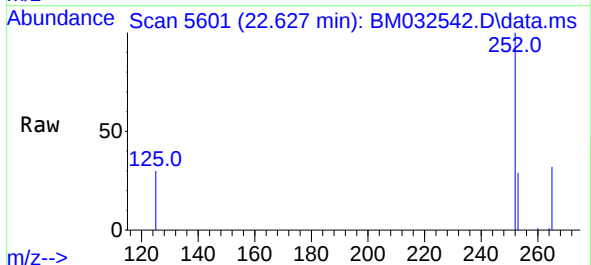
#22
Chrysene
Concen: 0.28 ng/u1
RT: 21.157 min Scan# 4994
Delta R.T. -0.014 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07



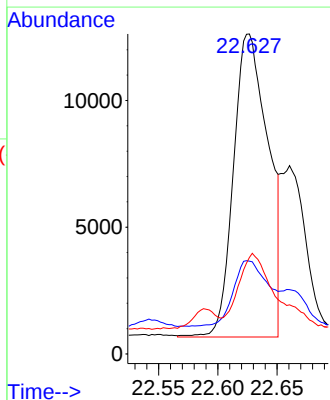
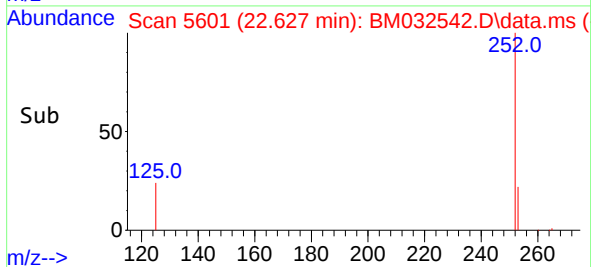
Tgt Ion:228 Resp: 21087
Ion Ratio Lower Upper
228 100
226 31.6 25.1 37.7
229 21.6 15.7 23.5



#24
Benzo(b)fluoranthene
Concen: 0.40 ng/u1 m
RT: 22.627 min Scan# 5601
Delta R.T. -0.017 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07



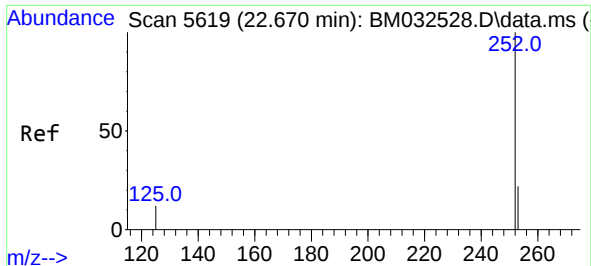
Tgt Ion:252 Resp: 24344
Ion Ratio Lower Upper
252 100
253 29.0 0.0 53.8
125 30.1 0.0 35.6



Instrument :
BNA_M
ClientSampleId :
C00R7DL

Manual Integrations
APPROVED

mohammad
10/18/2021 12:42:16 PM



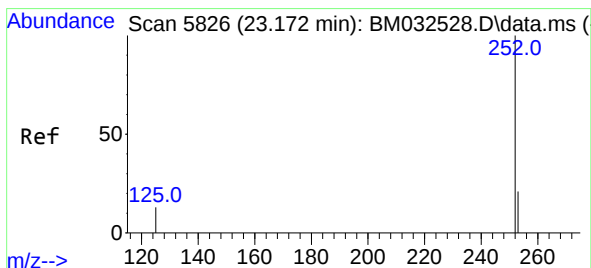
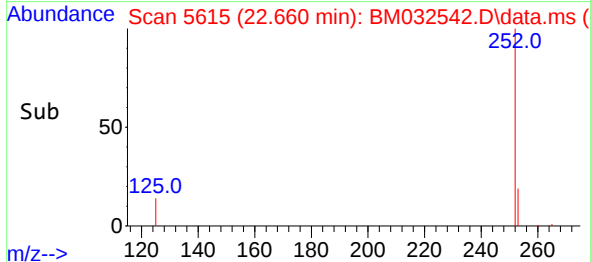
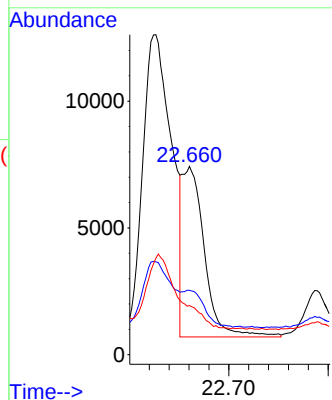
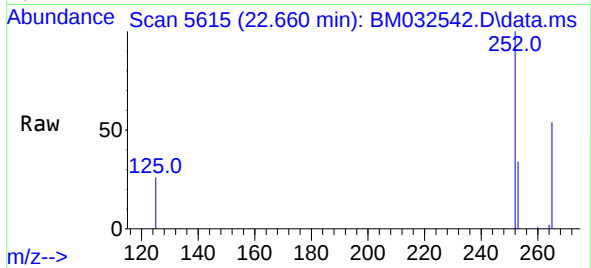
#25
Benzo(k)fluoranthene
Concen: 0.17 ng/ul m
RT: 22.660 min Scan# 5615
Delta R.T. -0.024 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07

Tgt Ion:252 Resp: 10409
Ion Ratio Lower Upper
252 100
253 34.1 21.8 32.6#
125 26.1 14.4 21.6#

Instrument :
BNA_M
ClientSampleId :
C00R7DL

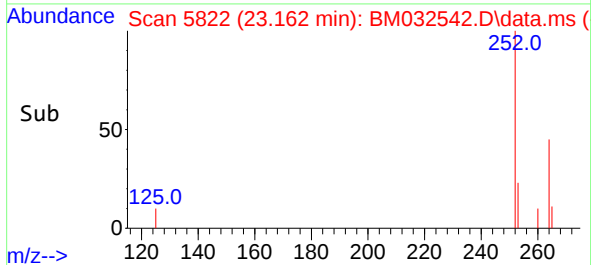
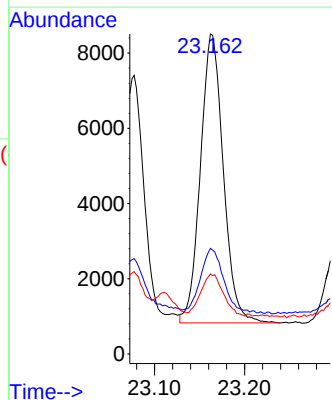
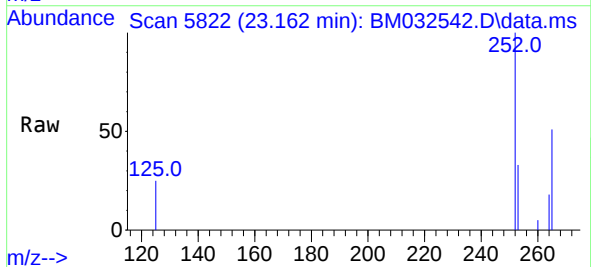
Manual Integrations
APPROVED

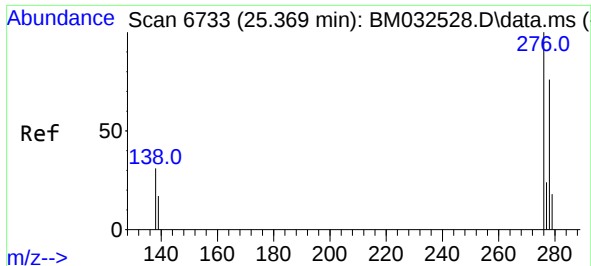
mohammad
10/18/2021 12:42:16 PM



#26
Benzo(a)pyrene
Concen: 0.26 ng/ul
RT: 23.162 min Scan# 5822
Delta R.T. -0.022 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07

Tgt Ion:252 Resp: 13607
Ion Ratio Lower Upper
252 100
253 33.0 23.6 35.4
125 25.0 17.1 25.7





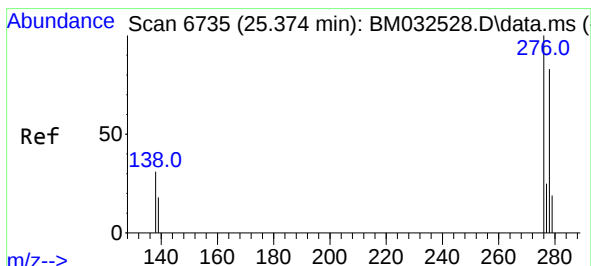
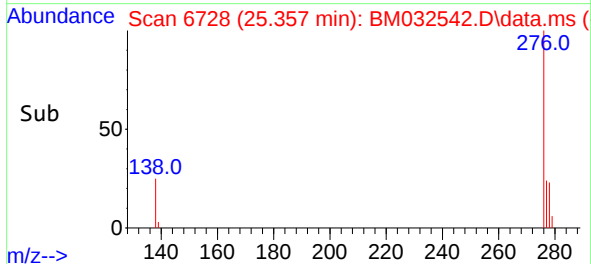
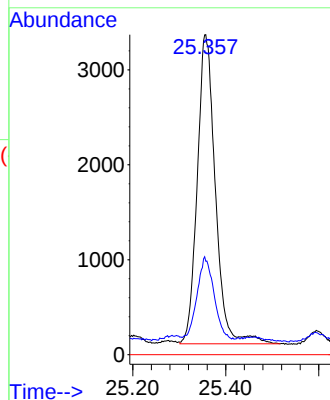
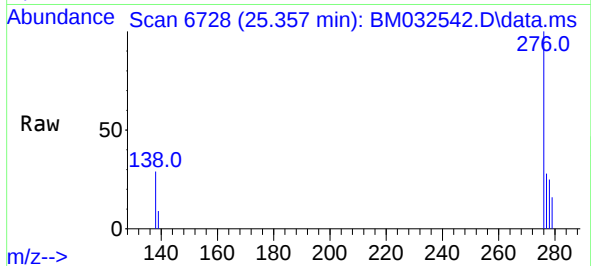
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.14 ng/ul
RT: 25.357 min Scan# 6728
Delta R.T. -0.029 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07

Tgt Ion: 276 Resp: 8842
Ion Ratio Lower Upper
276 100
138 24.5 24.9 37.3#
227 0.0 0.0 0.0

Instrument :
BNA_M
ClientSampleID :
C00R7DL

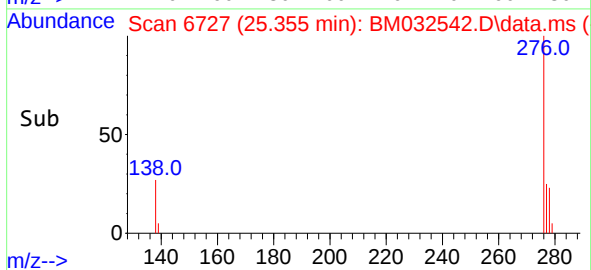
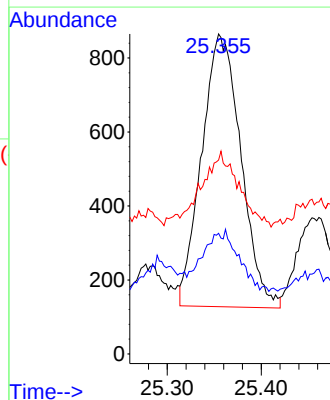
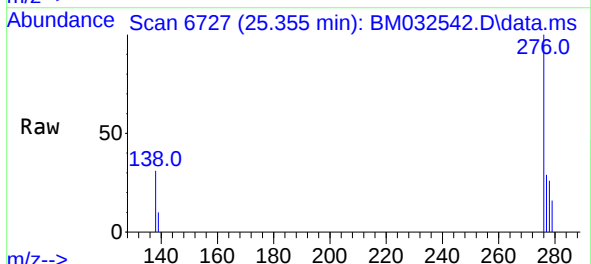
Manual Integrations
APPROVED

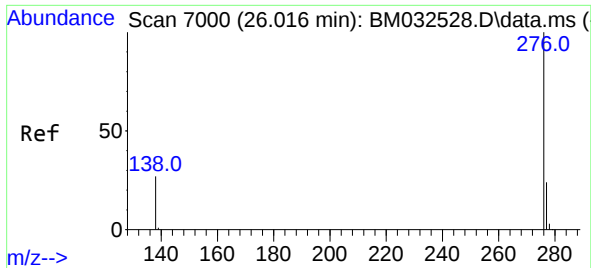
mohammad
10/18/2021 12:42:16 PM



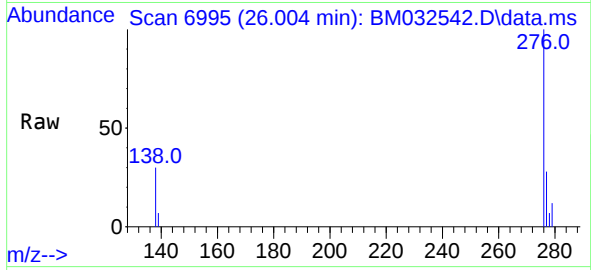
#28
Dibenzo(a,h)anthracene
Concen: 0.04 ng/ul
RT: 25.355 min Scan# 6727
Delta R.T. -0.039 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07

Tgt Ion: 278 Resp: 2137
Ion Ratio Lower Upper
278 100
139 37.7 18.6 28.0#
279 60.6 22.0 33.0#

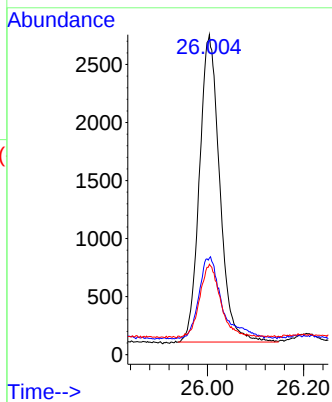
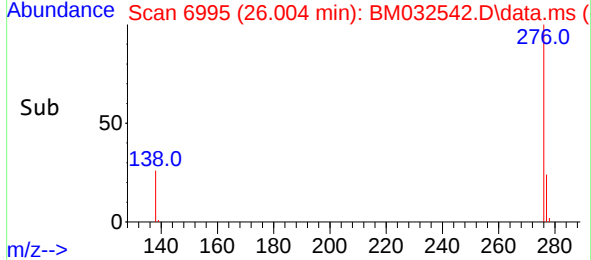




#29
Benzo(g,h,i)perylene
Concen: 0.14 ng/ul
RT: 26.004 min Scan# 6995
Delta R.T. -0.027 min
Lab File: BM032542.D
Acq: 16 Oct 2021 01:07



Tgt Ion:	276	Resp:	7724
Ion Ratio	Lower	Upper	
276	100		
138	30.2	22.6	33.8
277	28.3	19.9	29.9



Instrument :
BNA_M
ClientSampleId :
C00R7DL

Manual Integrations
APPROVED

mohammad
10/18/2021 12:42:16 PM