

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
 Data File : BM032551.D
 Acq On : 16 Oct 2021 07:10
 Operator : CG/JU
 Sample : M4029-13DL 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00R8DL

Manual Integrations
 APPROVED

mohammad
 10/19/2021 12:07:42 PM

Quant Time: Oct 18 05:27:56 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	7305	0.40	ng/ul	0.00
4) Naphthalene-d8	10.339	136	23328	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.209	164	12317	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.946	188	24031	0.40	ng/ul	# 0.00
17) Chrysene-d12	21.123	240	14962	0.40	ng/ul	-0.01
23) Perylene-d12	23.259	264	11552	0.40	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.924	96	6524	0.80	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.936	152	1501	0.05	ng/ul	0.00
18) Fluoranthene-d10	18.973	212	3199	0.07	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.389	128	4875	0.07	ng/ul	97
7) 2-Methylnaphthalene	12.008	142	1472	0.03	ng/ul	98
10) Acenaphthylene	13.928	152	3803	0.07	ng/ul	98
12) Fluorene	15.260	166	1573	0.03	ng/ul#	98
15) Phenanthrene	16.988	178	22179	0.27	ng/ul	100
16) Anthracene	17.075	178	5871	0.08	ng/ul	97
19) Fluoranthene	19.000	202	56686	0.77	ng/ul	100
20) Pyrene	19.362	202	47285	0.62	ng/ul	100
21) Benzo(a)anthracene	21.106	228	20986	0.36	ng/ul	98
22) Chrysene	21.159	228	22047	0.34	ng/ul	98
24) Benzo(b)fluoranthene	22.627	252	23841m	0.45	ng/ul	
25) Benzo(k)fluoranthene	22.661	252	10010m	0.19	ng/ul	
26) Benzo(a)pyrene	23.164	252	14343	0.32	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.360	276	8930	0.16	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.357	278	2385	0.06	ng/ul#	63
29) Benzo(g,h,i)perylene	25.999	276	7605	0.16	ng/ul	96

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

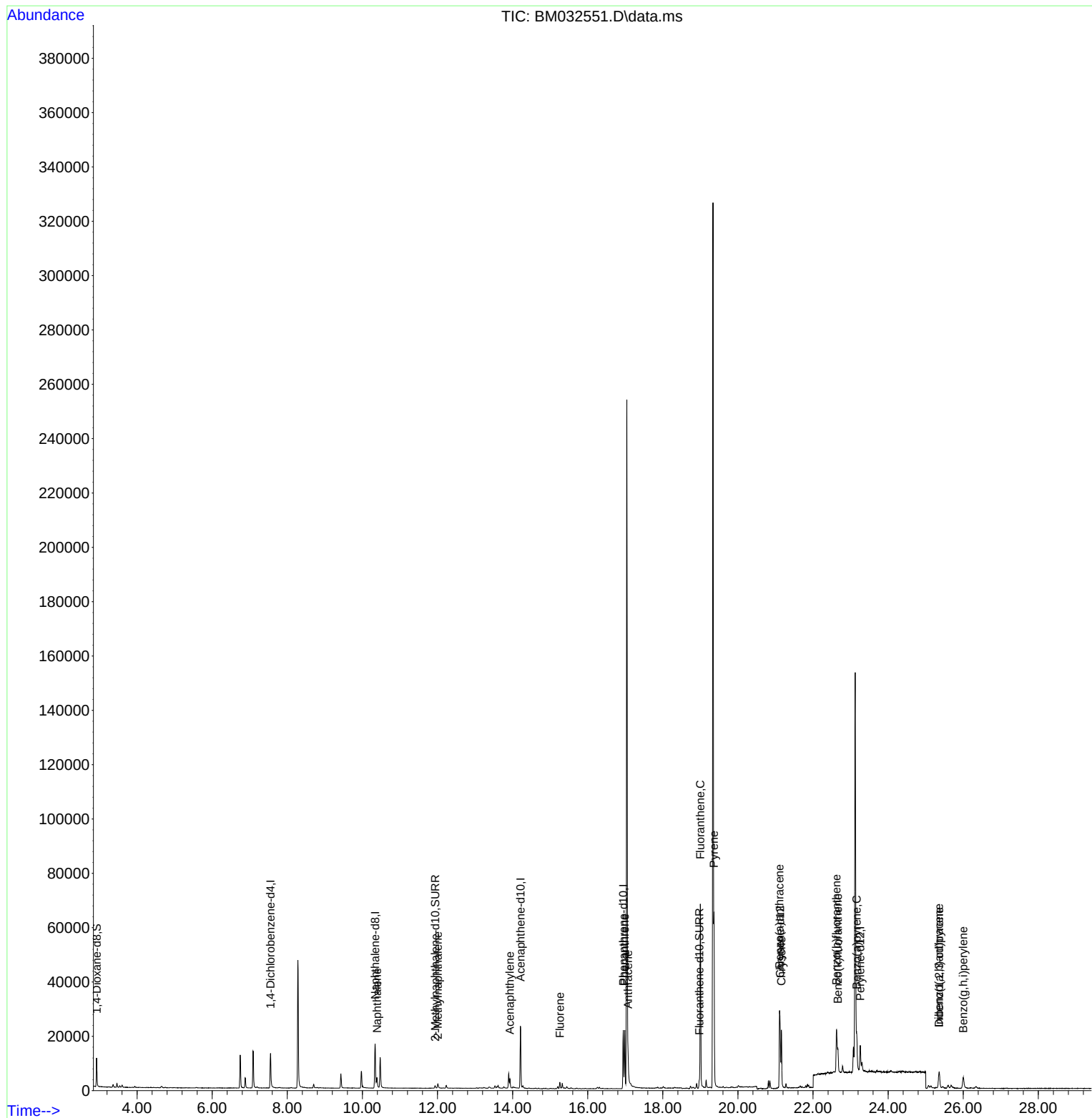
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032551.D
Acq On : 16 Oct 2021 07:10
Operator : CG/JU
Sample : M4029-13DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

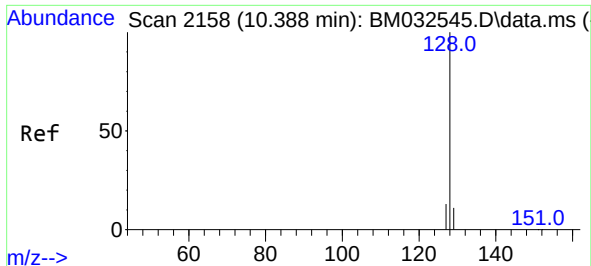
Instrument :
BNA_M
ClientSampleId :
C00R8DL

Manual Integrations
APPROVED

mohammad
10/19/2021 12:07:42 PM

Quant Time: Oct 18 05:27:56 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





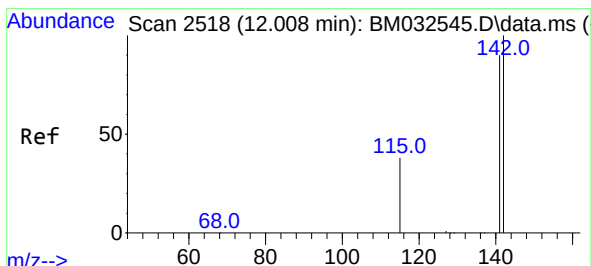
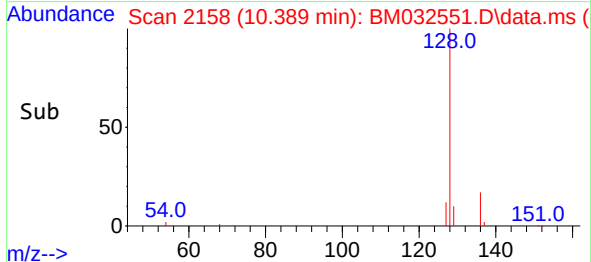
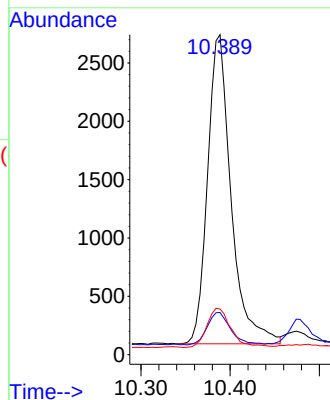
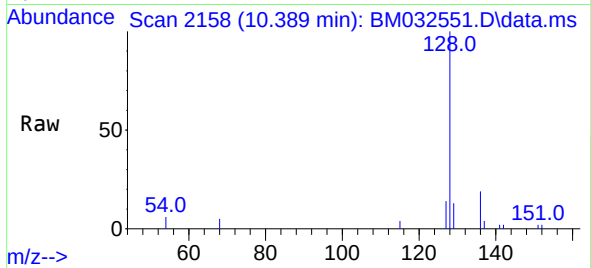
#5
Naphthalene
Concen: 0.07 ng/ul
RT: 10.389 min Scan# 2158
Delta R.T. -0.004 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10

Tgt Ion:	128	Resp:	4875
Ion Ratio	Lower	Upper	
128	100		
129	13.2	9.1	13.7
127	14.3	11.1	16.7

Instrument :
BNA_M
ClientSampleId :
C00R8DL

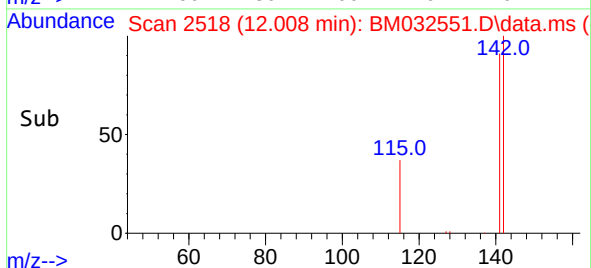
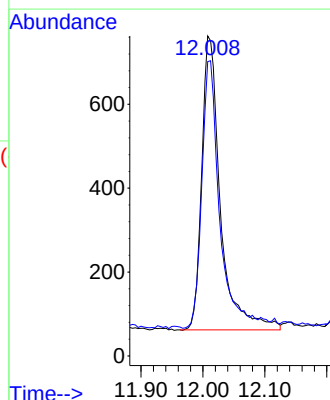
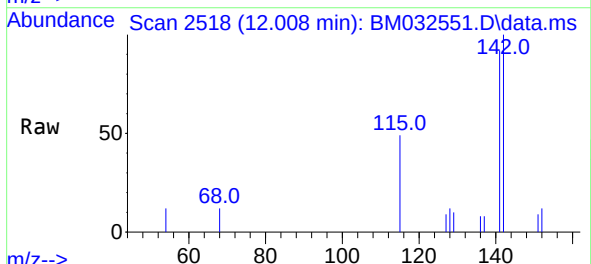
Manual Integrations
APPROVED

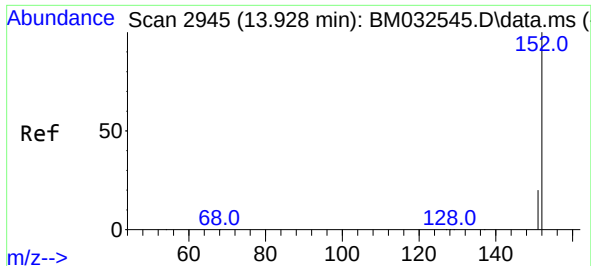
mohammad
10/19/2021 12:07:42 PM



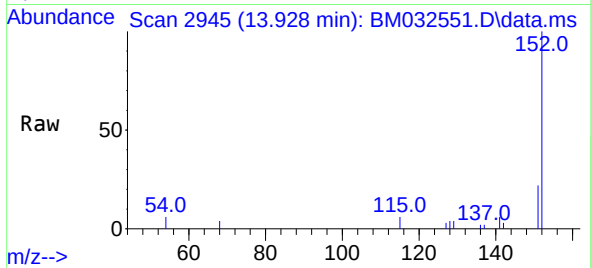
#7
2-Methylnaphthalene
Concen: 0.03 ng/ul
RT: 12.008 min Scan# 2518
Delta R.T. -0.004 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10

Tgt Ion:	142	Resp:	1472
Ion Ratio	Lower	Upper	
142	100		
141	88.7	72.2	108.2

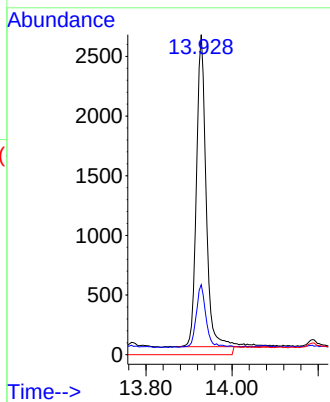
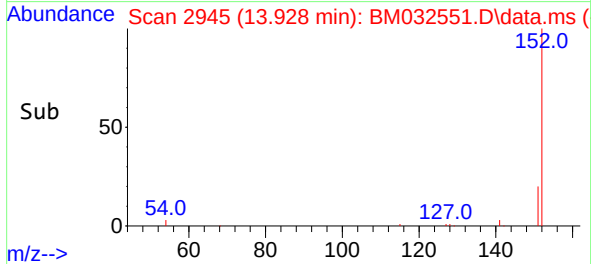




#10
Acenaphthylene
Concen: 0.07 ng/ul
RT: 13.928 min Scan# 2945
Delta R.T. -0.004 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10



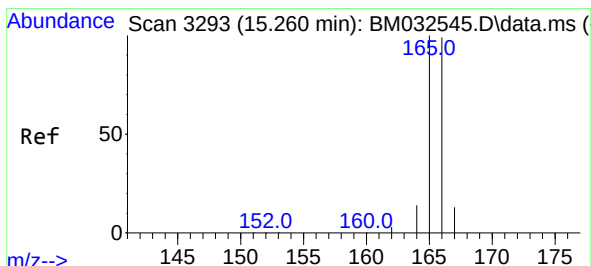
Tgt Ion:152 Resp: 3803
Ion Ratio Lower Upper
152 100
151 21.9 16.7 25.1
153 0.0 0.0 0.0



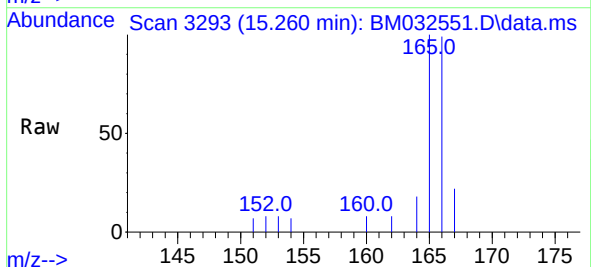
Instrument :
BNA_M
ClientSampleId :
C00R8DL

Manual Integrations
APPROVED

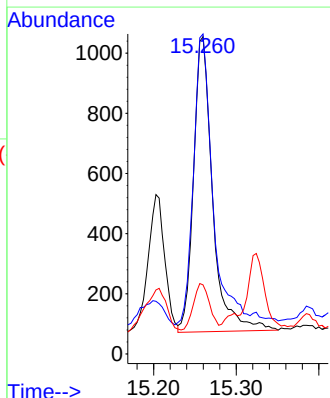
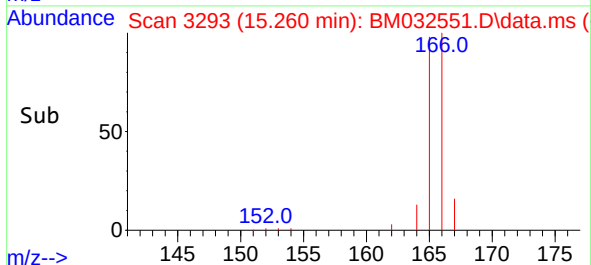
mohammad
10/19/2021 12:07:42 PM

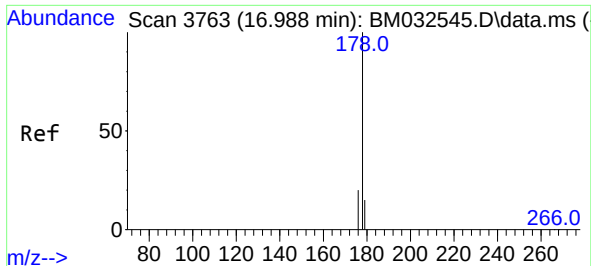


#12
Fluorene
Concen: 0.03 ng/ul
RT: 15.260 min Scan# 3293
Delta R.T. -0.004 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10



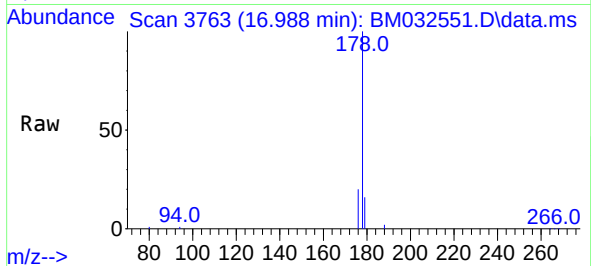
Tgt Ion:166 Resp: 1573
Ion Ratio Lower Upper
166 100
165 100.9 80.7 121.1
167 21.8 11.2 16.8#





#15
Phenanthrene
Concen: 0.27 ng/ul
RT: 16.988 min Scan# 3763
Delta R.T. -0.007 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10

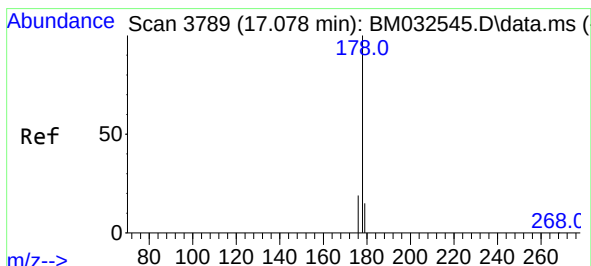
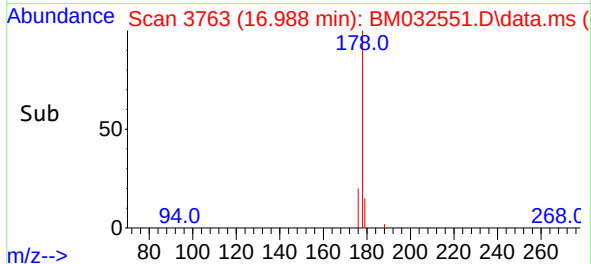
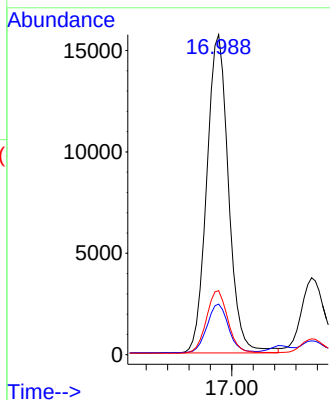
Instrument :
BNA_M
ClientSampleId :
C00R8DL



Tgt Ion:178 Resp: 22179
Ion Ratio Lower Upper
178 100
179 15.8 12.9 19.3
176 20.0 16.1 24.1

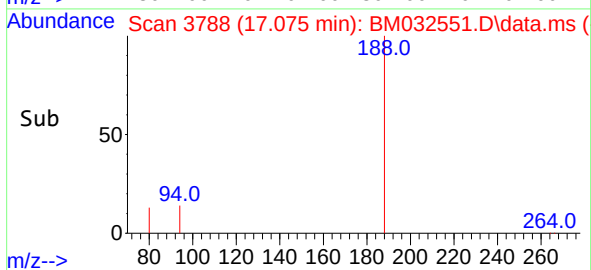
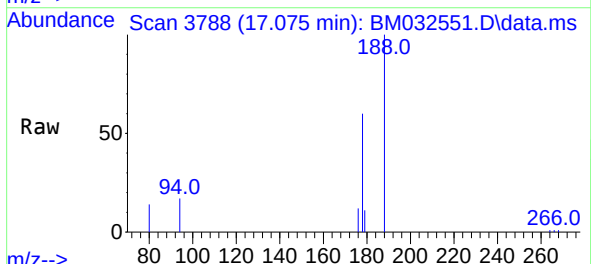
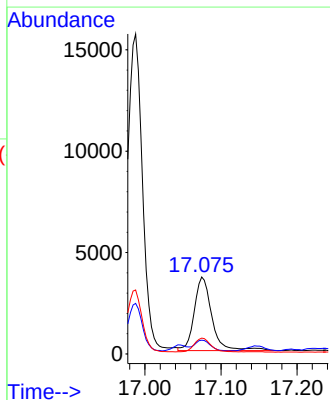
Manual Integrations
APPROVED

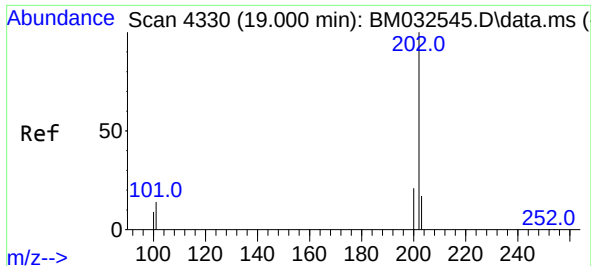
mohammad
10/19/2021 12:07:42 PM



#16
Anthracene
Concen: 0.08 ng/ul
RT: 17.075 min Scan# 3788
Delta R.T. -0.010 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10

Tgt Ion:178 Resp: 5871
Ion Ratio Lower Upper
178 100
179 17.9 12.9 19.3
176 20.7 15.8 23.6





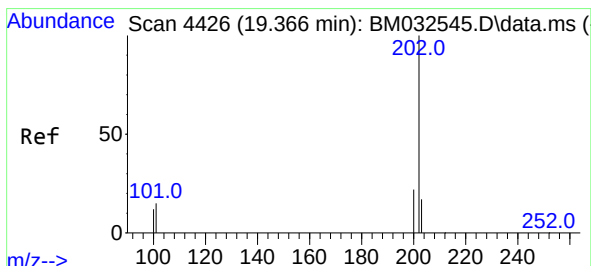
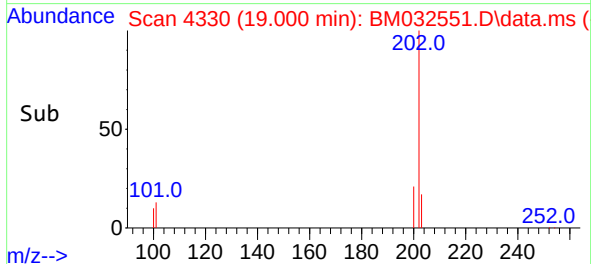
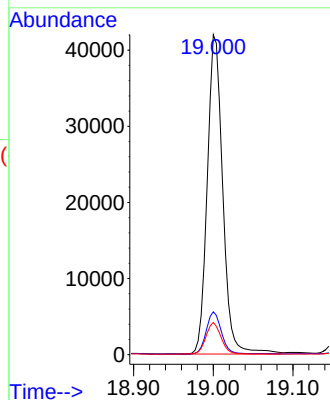
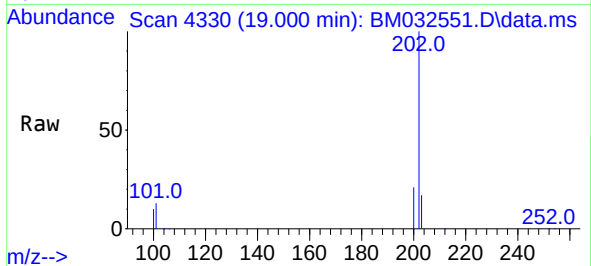
#19
Fluoranthene
Concen: 0.77 ng/ul
RT: 19.000 min Scan# 4330
Delta R.T. -0.011 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10

Tgt Ion:	202	Resp:	56686
Ion Ratio	Lower	Upper	
202	100		
101	13.4	10.6	16.0
100	10.1	7.8	11.8

Instrument :
BNA_M
ClientSampleId :
C00R8DL

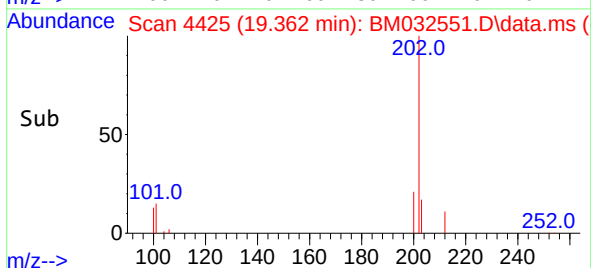
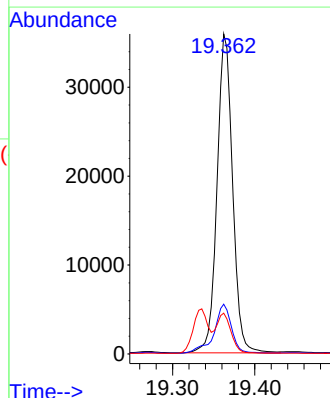
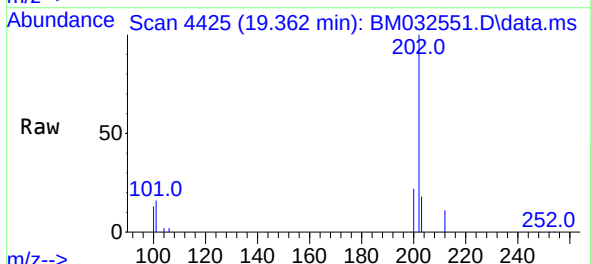
Manual Integrations
APPROVED

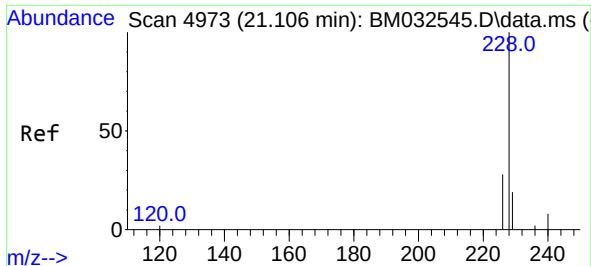
mohammad
10/19/2021 12:07:42 PM



#20
Pyrene
Concen: 0.62 ng/ul
RT: 19.362 min Scan# 4425
Delta R.T. -0.011 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10

Tgt Ion:	202	Resp:	47285
Ion Ratio	Lower	Upper	
202	100		
101	15.6	12.3	18.5
100	12.8	10.1	15.1





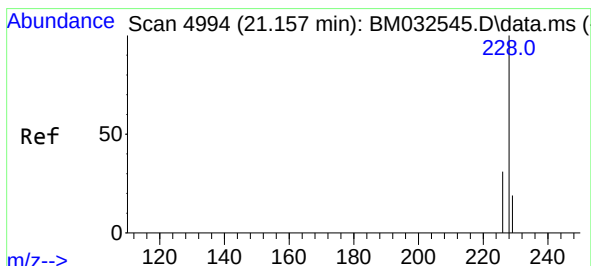
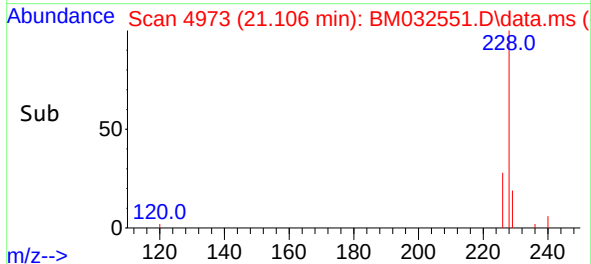
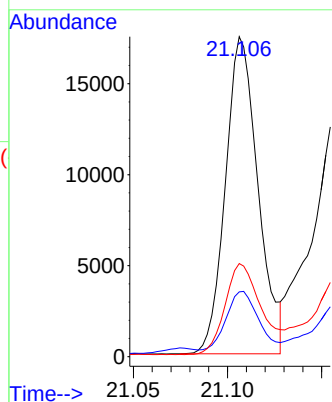
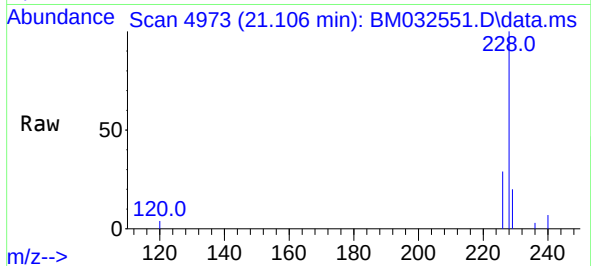
#21
Benzo(a)anthracene
Concen: 0.36 ng/ul
RT: 21.106 min Scan# 4973
Delta R.T. -0.014 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10

Tgt Ion:	228	Resp:	20986
Ion Ratio	Lower	Upper	
228	100		
229	20.3	15.9	23.9
226	29.1	22.4	33.6

Instrument :
BNA_M
ClientSampled :
C00R8DL

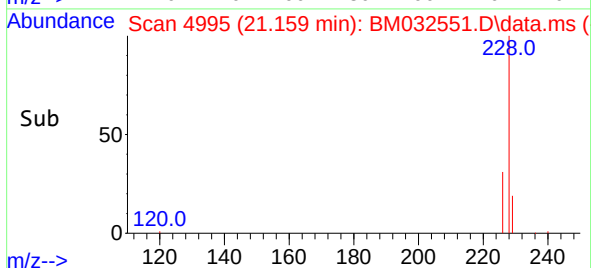
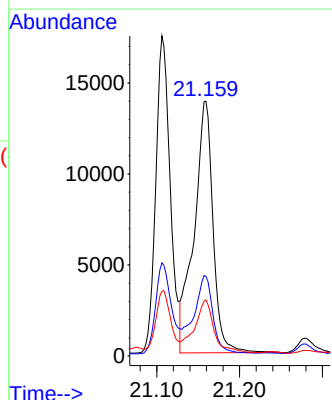
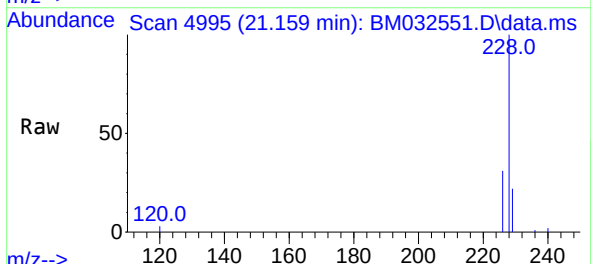
Manual Integrations
APPROVED

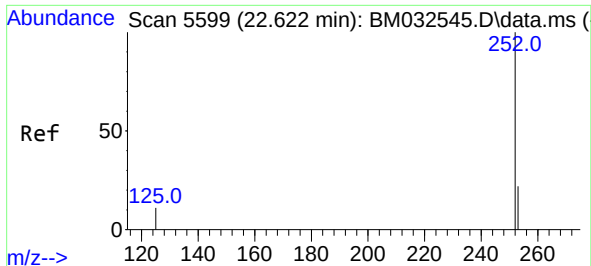
mohammad
10/19/2021 12:07:42 PM



#22
Chrysene
Concen: 0.34 ng/ul
RT: 21.159 min Scan# 4995
Delta R.T. -0.012 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10

Tgt Ion:	228	Resp:	22047
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.1	37.7
229	22.0	15.7	23.5





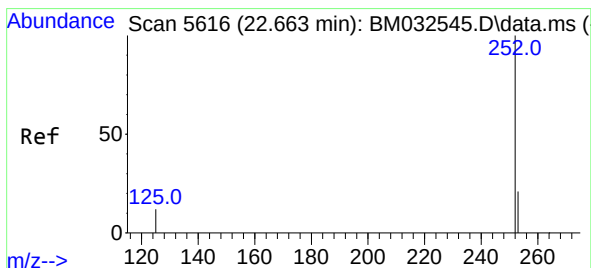
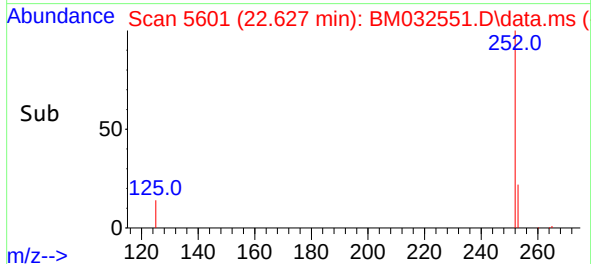
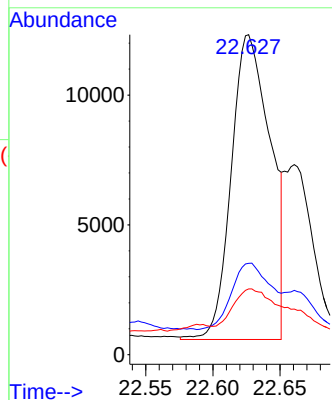
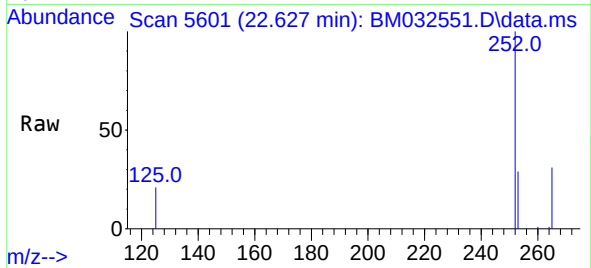
#24
Benzo(b)fluoranthene
Concen: 0.45 ng/ul m
RT: 22.627 min Scan# 5601
Delta R.T. -0.017 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10

Tgt Ion:252	Resp:	23841
Ion Ratio	Lower	Upper
252	100	
253	28.5	0.0 53.8
125	20.5	0.0 35.6

Instrument :
BNA_M
ClientSampleId :
C00R8DL

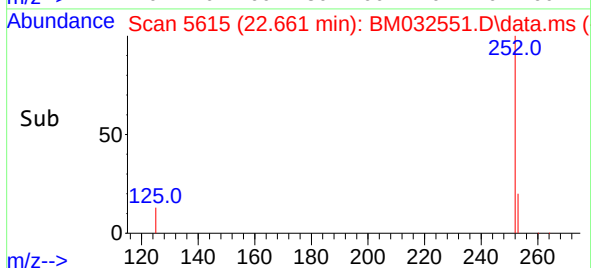
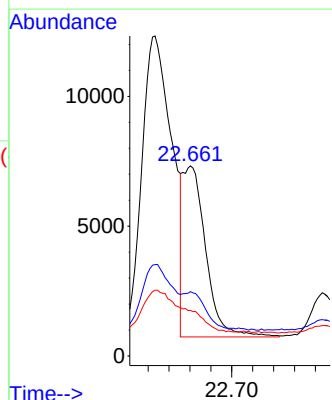
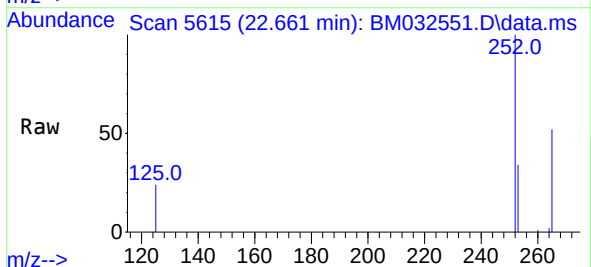
Manual Integrations
APPROVED

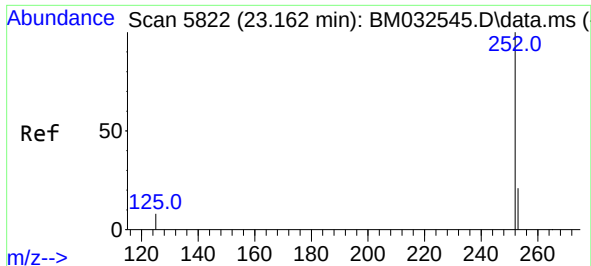
mohammad
10/19/2021 12:07:42 PM



#25
Benzo(k)fluoranthene
Concen: 0.19 ng/ul m
RT: 22.661 min Scan# 5615
Delta R.T. -0.024 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10

Tgt Ion:252	Resp:	10010
Ion Ratio	Lower	Upper
252	100	
253	33.8	21.8 32.6#
125	24.0	14.4 21.6#





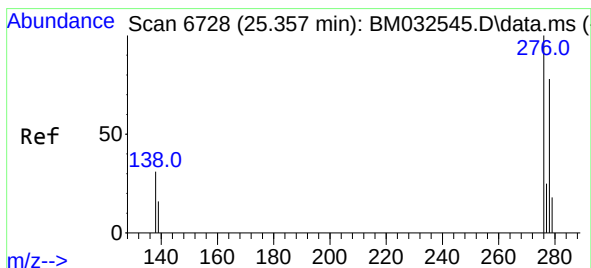
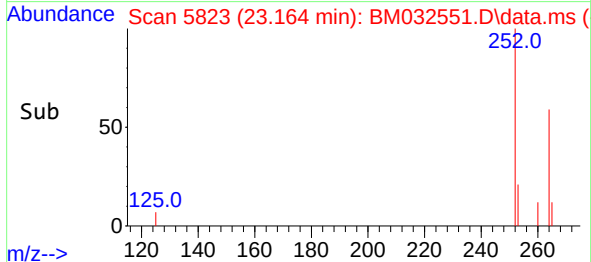
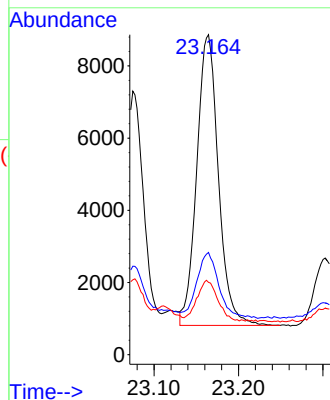
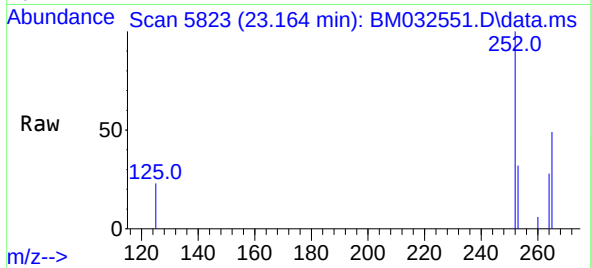
#26
Benzo(a)pyrene
Concen: 0.32 ng/u1
RT: 23.164 min Scan# 5823
Delta R.T. -0.019 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10

Tgt Ion:	252	Resp:	14343
Ion Ratio	Lower	Upper	
252	100		
253	32.0	23.6	35.4
125	22.6	17.1	25.7

Instrument :
BNA_M
ClientSampleId :
C00R8DL

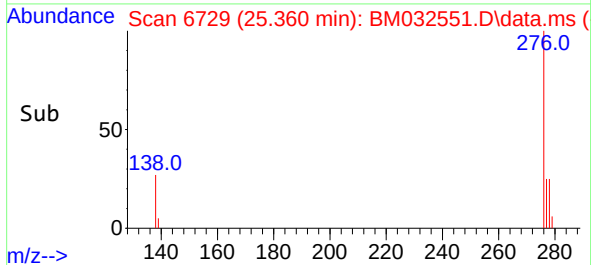
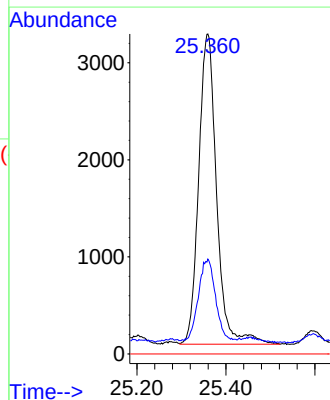
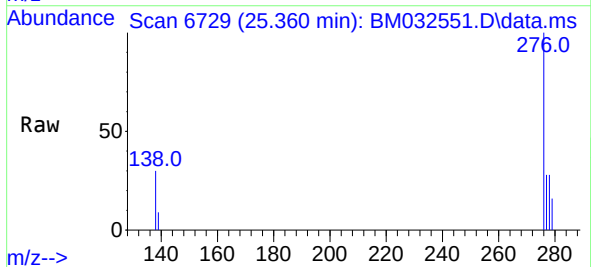
Manual Integrations
APPROVED

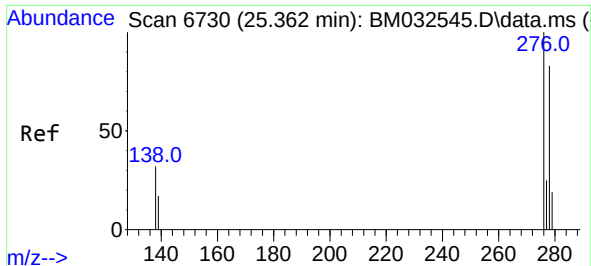
mohammad
10/19/2021 12:07:42 PM



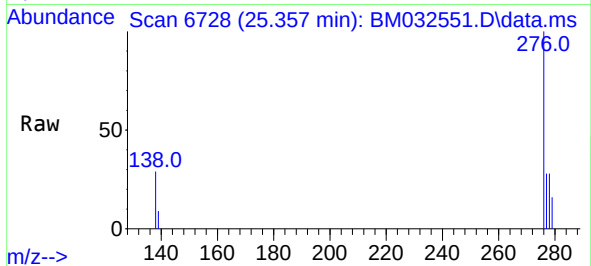
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.16 ng/u1
RT: 25.360 min Scan# 6729
Delta R.T. -0.027 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10

Tgt Ion:	276	Resp:	8930
Ion Ratio	Lower	Upper	
276	100		
138	24.9	24.9	37.3
227	0.0	0.0	0.0

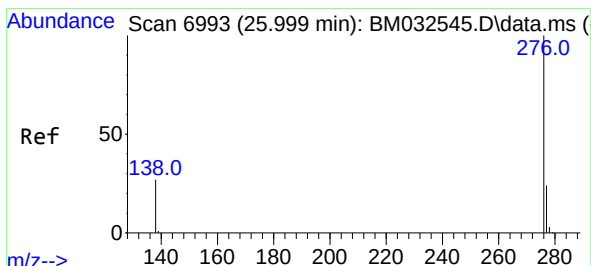
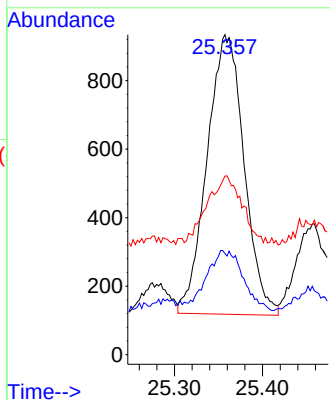
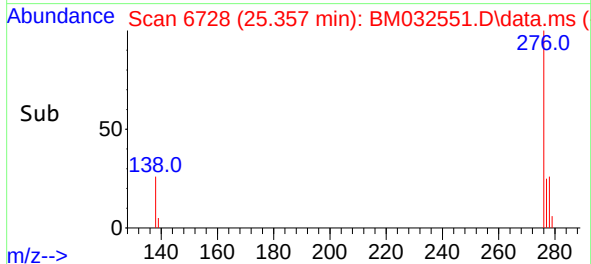




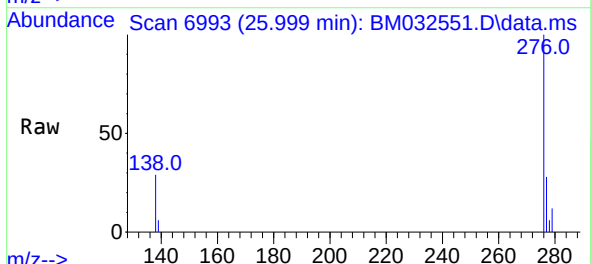
#28
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 25.357 min Scan# 6728
Delta R.T. -0.036 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10



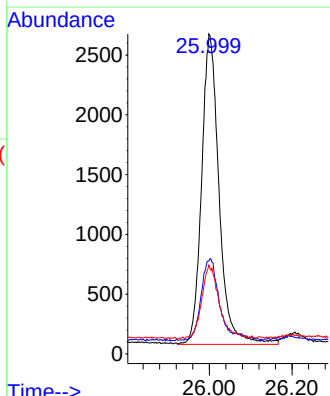
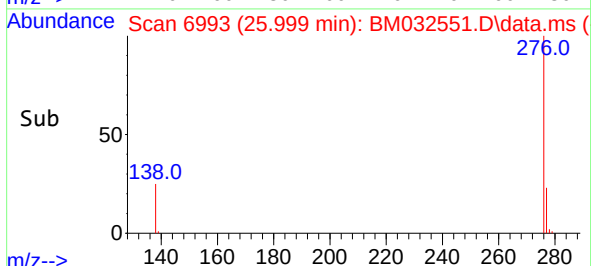
Tgt Ion:278 Resp: 2385
Ion Ratio Lower Upper
278 100
139 31.6 18.6 28.0#
279 55.8 22.0 33.0#



#29
Benzo(g,h,i)perylene
Concen: 0.16 ng/ul
RT: 25.999 min Scan# 6993
Delta R.T. -0.031 min
Lab File: BM032551.D
Acq: 16 Oct 2021 07:10



Tgt Ion:276 Resp: 7605
Ion Ratio Lower Upper
276 100
138 29.1 22.6 33.8
277 27.8 19.9 29.9



Instrument :
BNA_M
ClientSampleId :
C00R8DL

Manual Integrations
APPROVED

mohammad
10/19/2021 12:07:42 PM