

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101821\
 Data File : BM032571.D
 Acq On : 18 Oct 2021 13:42
 Operator : CG/JU
 Sample : M4181-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B28

Manual Integrations
 APPROVED

mohammad
 10/19/2021 12:10:35 PM

Quant Time: Oct 18 14:12:39 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 : Mon Oct 18 10:38:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.550	152	3919	0.40	ng/ul	0.00
4) Naphthalene-d8	10.335	136	11450	0.40	ng/ul	# 0.00
9) Acenaphthene-d10	14.209	164	5652	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.943	188	10241	0.40	ng/ul	# 0.00
17) Chrysene-d12	21.123	240	8017	0.40	ng/ul	# 0.00
23) Perylene-d12	23.257	264	9541	0.40	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.920	96	16017	3.65	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.931	152	3923	0.26	ng/ul	0.00
18) Fluoranthene-d10	18.970	212	6738	0.27	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.384	128	137613	3.96	ng/ul	98
7) 2-Methylnaphthalene	12.008	142	110932	4.88	ng/ul	99
8) 1-Methylnaphthalene	12.228	142	84089	3.75	ng/ul	100
10) Acenaphthylene	13.928	152	80561	3.34	ng/ul	98
11) Acenaphthene	14.270	153	3138	0.14	ng/ul#	90
12) Fluorene	15.256	166	6561	0.26	ng/ul#	60
14) Pentachlorophenol	16.613	266	110	0.04	ng/ul#	85
15) Phenanthrene	16.984	178	99769	2.90	ng/ul	99
16) Anthracene	17.075	178	78763	2.60	ng/ul	99
19) Fluoranthene	19.000	202	210165	5.30	ng/ul	99
20) Pyrene	19.362	202	162585	3.99	ng/ul	99
21) Benzo(a)anthracene	21.106	228	162183	5.18	ng/ul	96
22) Chrysene	21.157	228	218884	6.35	ng/ul	98
24) Benzo(b)fluoranthene	22.627	252	361375m	8.20	ng/ul	
25) Benzo(k)fluoranthene	22.663	252	138692m	3.16	ng/ul	
26) Benzo(a)pyrene	23.164	252	57679	1.56	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	25.357	276	82604	1.83	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.357	278	46141	1.30	ng/ul	98
29) Benzo(g,h,i)perylene	26.004	276	4449	0.11	ng/ul#	67

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

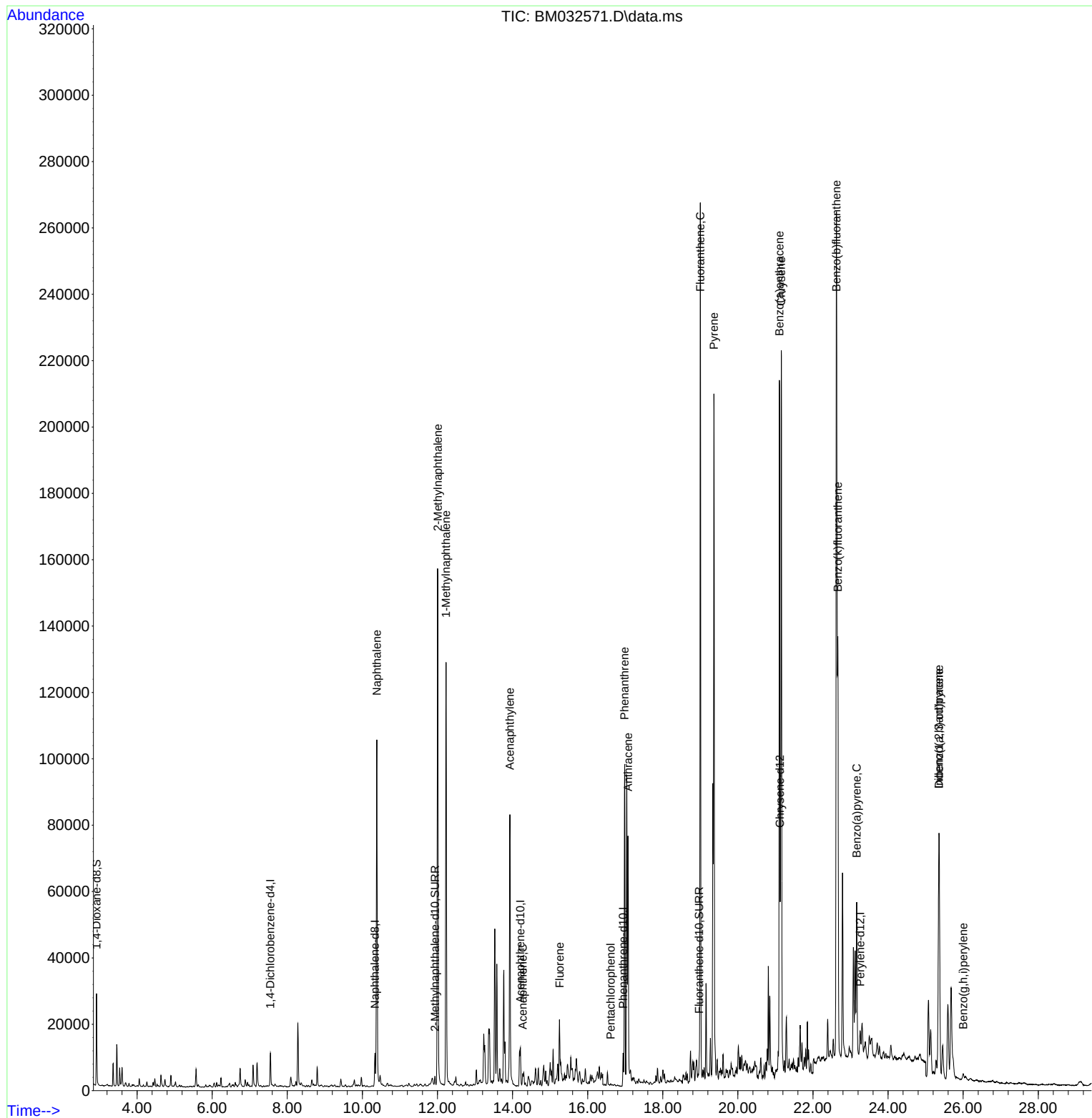
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101821\
Data File : BM032571.D
Acq On : 18 Oct 2021 13:42
Operator : CG/JU
Sample : M4181-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

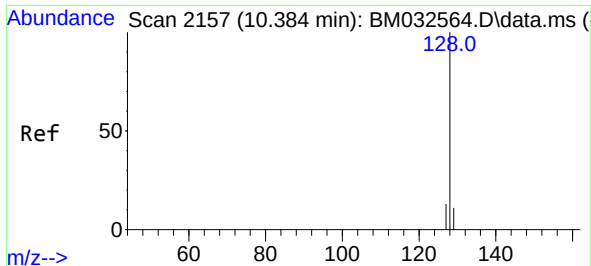
Instrument :
BNA_M
ClientSampleId :
C0B28

Manual Integrations
APPROVED

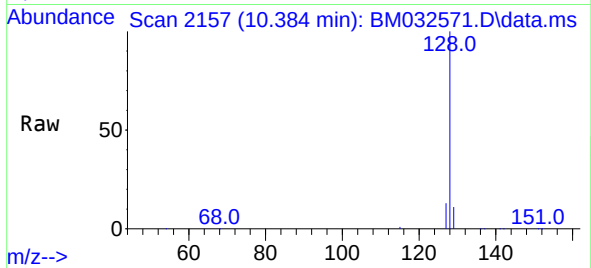
mohammad
10/19/2021 12:10:35 PM

Quant Time: Oct 18 14:12:39 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 : Mon Oct 18 10:38:29 2021
Response via : Initial Calibration

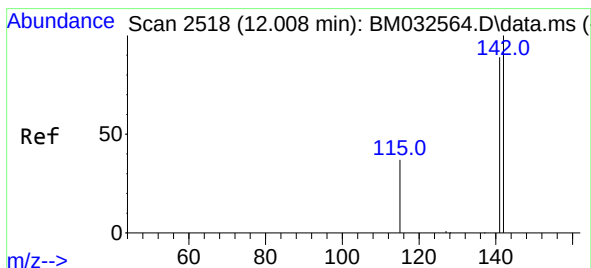
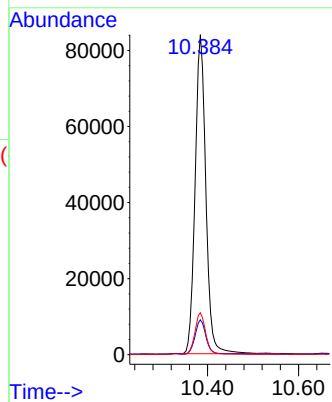
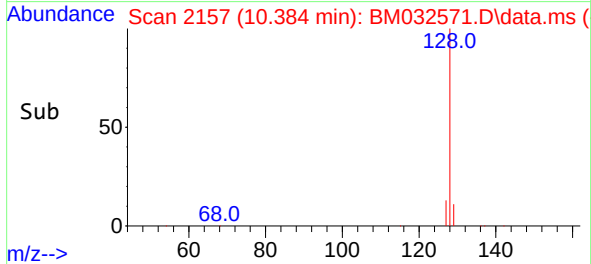




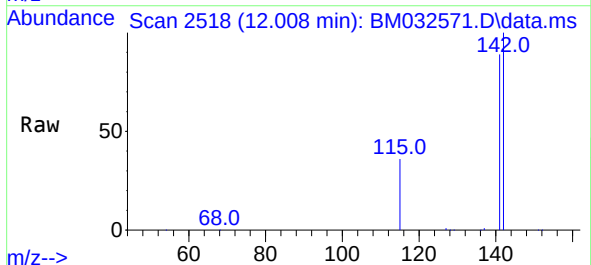
#5
Naphthalene
Concen: 3.96 ng/ul
RT: 10.384 min Scan# 2157
Delta R.T. 0.000 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42



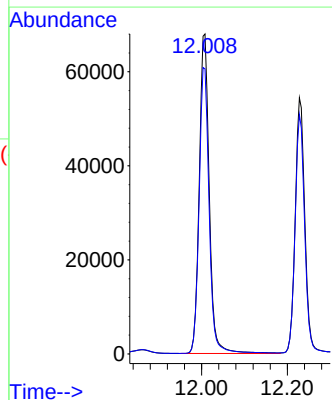
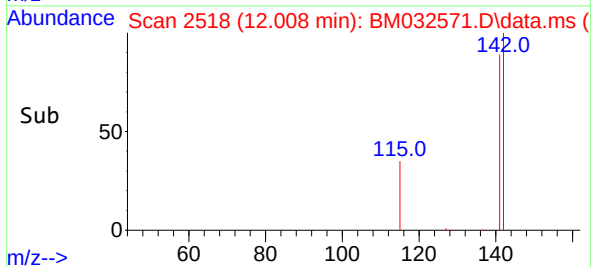
Tgt Ion:128 Resp: 137613
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.1 11.1 16.7



#7
2-Methylnaphthalene
Concen: 4.88 ng/ul
RT: 12.008 min Scan# 2518
Delta R.T. 0.000 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42



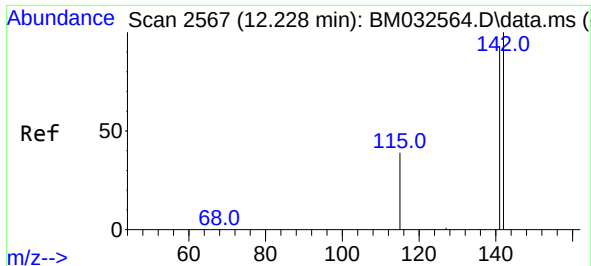
Tgt Ion:142 Resp: 110932
Ion Ratio Lower Upper
142 100
141 89.7 72.2 108.2



Instrument :
BNA_M
ClientSampleId :
C0B28

Manual Integrations
APPROVED

mohammad
10/19/2021 12:10:35 PM



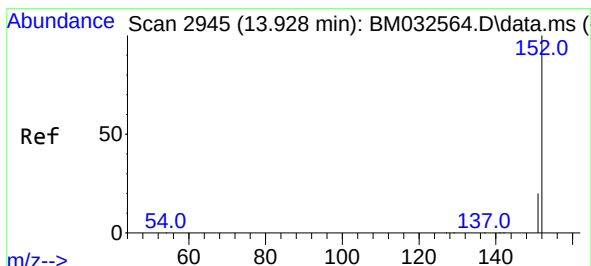
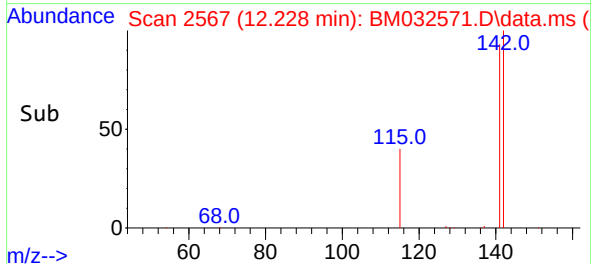
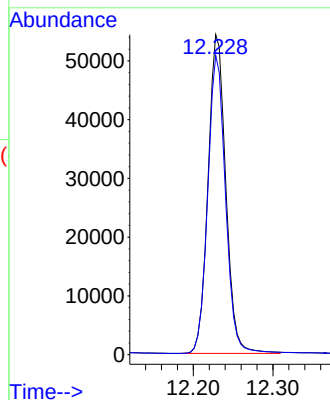
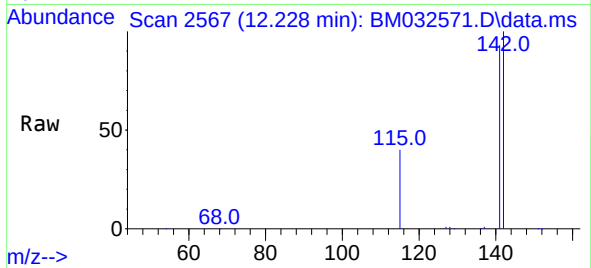
#8
1-Methylnaphthalene
Concen: 3.75 ng/ul
RT: 12.228 min Scan# 2567
Delta R.T. -0.000 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42

Tgt Ion:142 Resp: 84089
Ion Ratio Lower Upper
142 100
141 93.2 74.9 112.3

Instrument :
BNA_M
ClientSampled :
C0B28

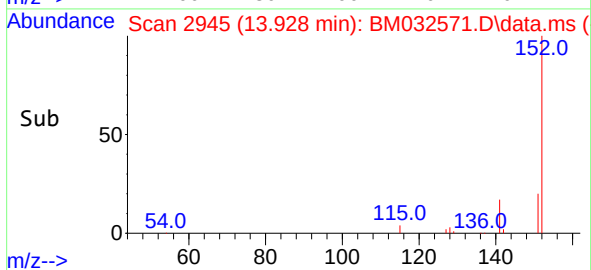
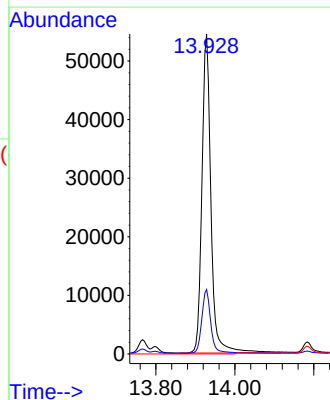
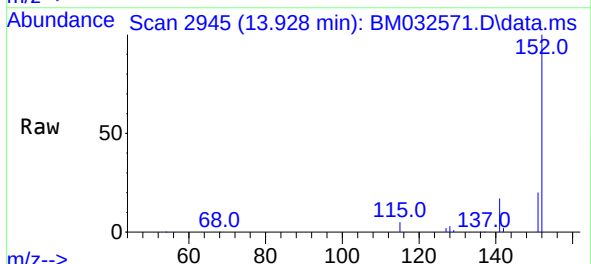
Manual Integrations
APPROVED

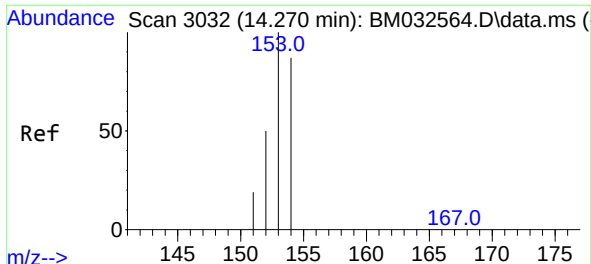
mohammad
10/19/2021 12:10:35 PM



#10
Acenaphthylene
Concen: 3.34 ng/ul
RT: 13.928 min Scan# 2945
Delta R.T. 0.000 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42

Tgt Ion:152 Resp: 80561
Ion Ratio Lower Upper
152 100
151 20.1 16.7 25.1
153 0.0 0.0 0.0





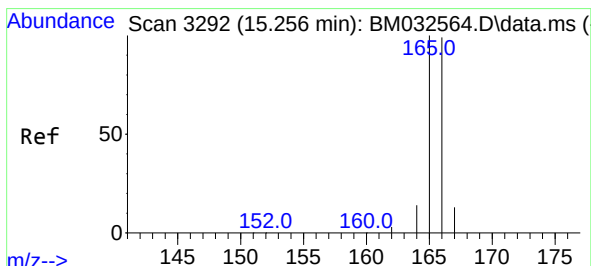
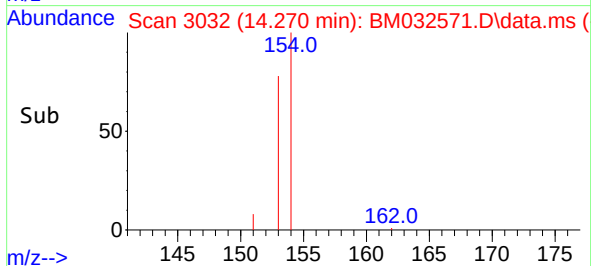
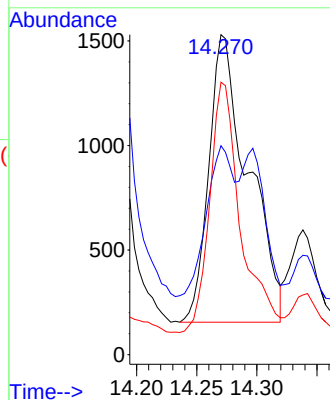
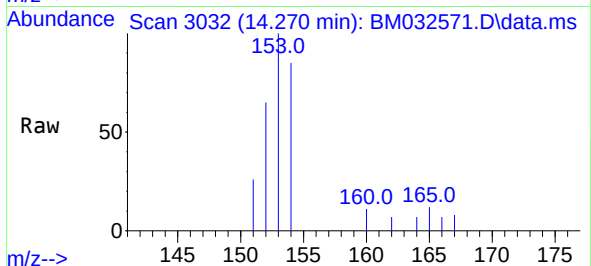
#11
Acenaphthene
Concen: 0.14 ng/ul
RT: 14.270 min Scan# 3032
Delta R.T. -0.000 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42

Tgt Ion:153 Resp: 3138
Ion Ratio Lower Upper
153 100
152 65.3 40.4 60.6#
154 85.2 70.8 106.2

Instrument :
BNA_M
ClientSampled :
C0B28

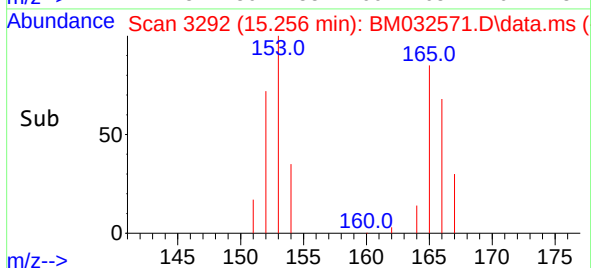
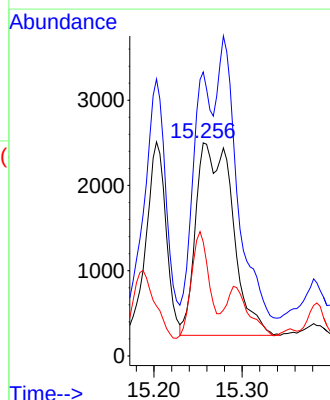
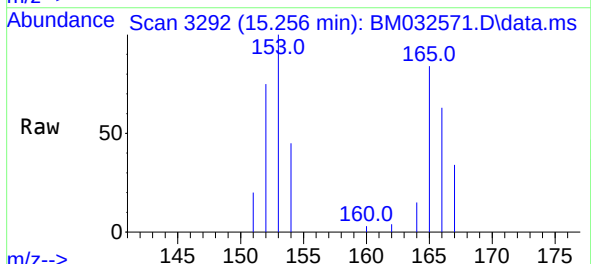
Manual Integrations
APPROVED

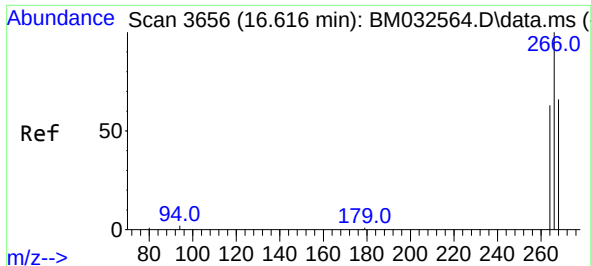
mohammad
10/19/2021 12:10:35 PM



#12
Fluorene
Concen: 0.26 ng/ul
RT: 15.256 min Scan# 3292
Delta R.T. -0.000 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42

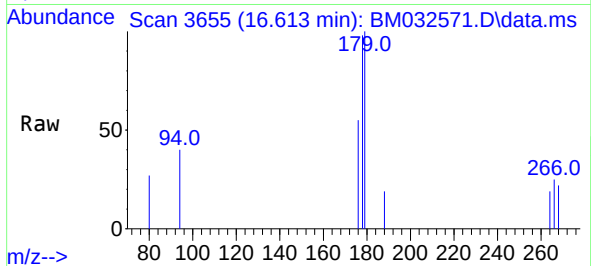
Tgt Ion:166 Resp: 6561
Ion Ratio Lower Upper
166 100
165 133.2 80.7 121.1#
167 53.4 11.2 16.8#





#14
 Pentachlorophenol
 Concen: 0.04 ng/ul
 RT: 16.613 min Scan# 3655
 Delta R.T. -0.003 min
 Lab File: BM032571.D
 Acq: 18 Oct 2021 13:42

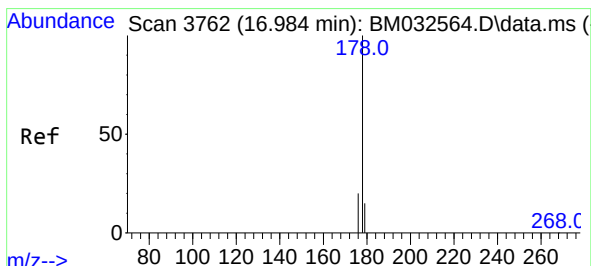
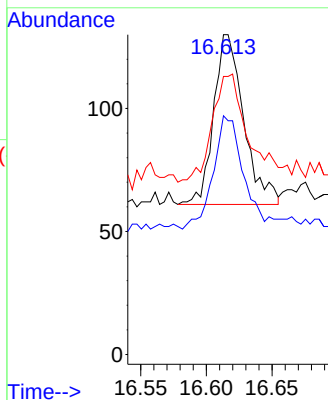
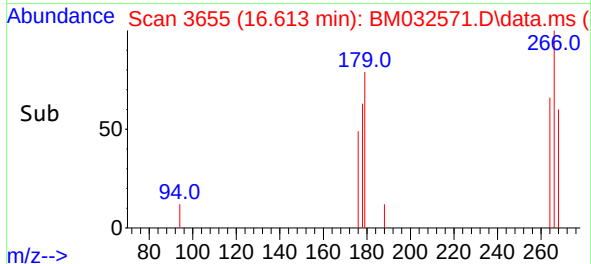
Instrument :
 BNA_M
 ClientSampled :
 C0B28



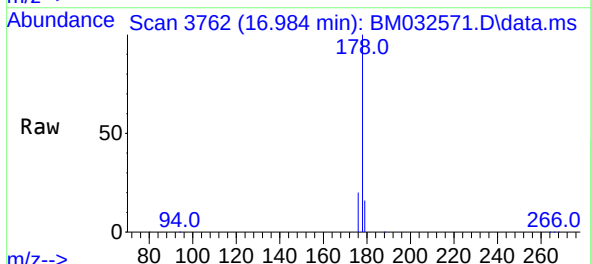
Tgt Ion:266 Resp: 110
 Ion Ratio Lower Upper
 266 100
 264 71.8 50.8 76.2
 268 77.3 50.2 75.2#

Manual Integrations
 APPROVED

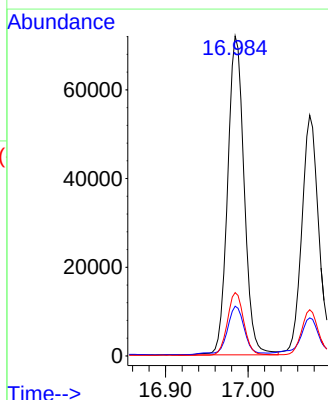
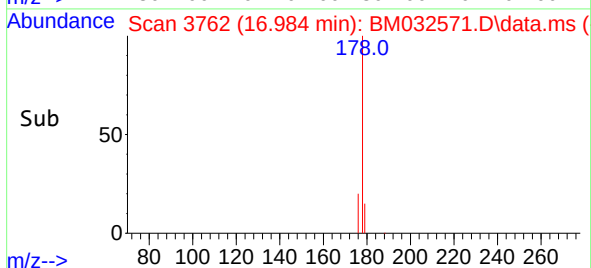
mohammad
 10/19/2021 12:10:35 PM

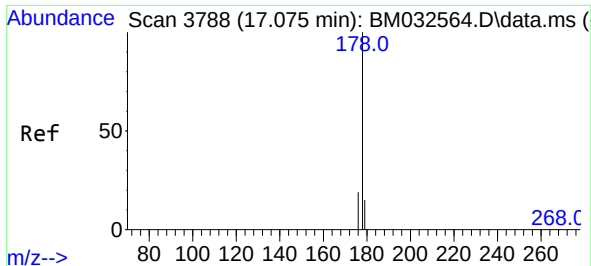


#15
 Phenanthrene
 Concen: 2.90 ng/ul
 RT: 16.984 min Scan# 3762
 Delta R.T. 0.000 min
 Lab File: BM032571.D
 Acq: 18 Oct 2021 13:42



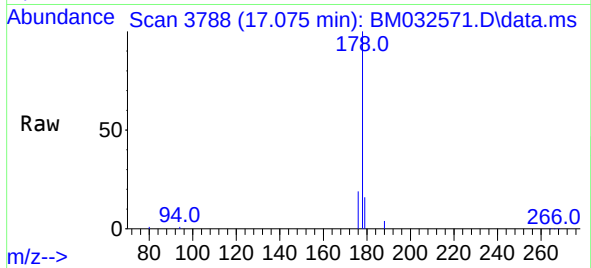
Tgt Ion:178 Resp: 99769
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.9 19.3
 176 19.8 16.1 24.1





#16
 Anthracene
 Concen: 2.60 ng/ul
 RT: 17.075 min Scan# 3788
 Delta R.T. 0.000 min
 Lab File: BM032571.D
 Acq: 18 Oct 2021 13:42

Instrument :
 BNA_M
 ClientSampled :
 C0B28

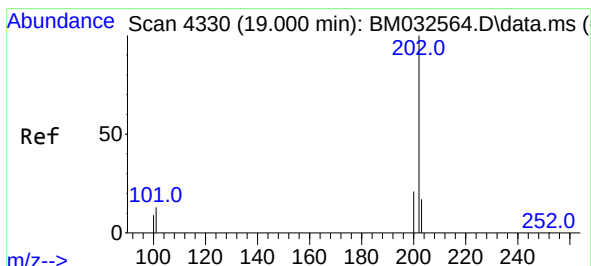
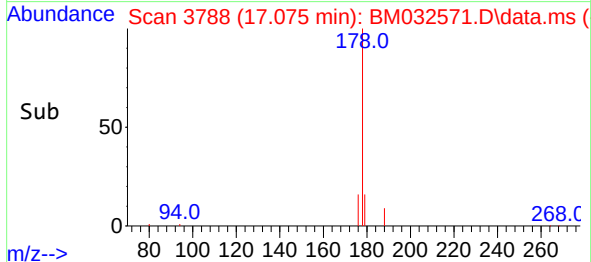
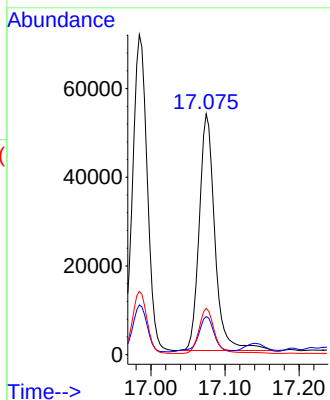


Tgt Ion:178 Resp: 78763

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.9	19.3
176	19.2	15.8	23.6

Manual Integrations
 APPROVED

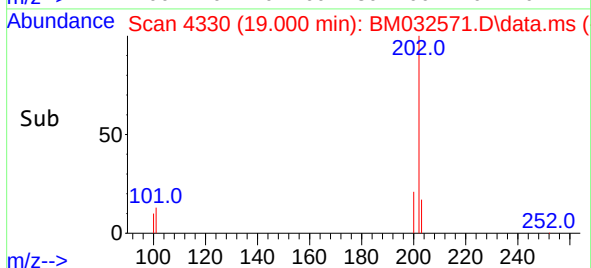
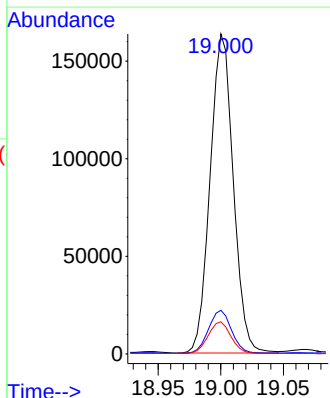
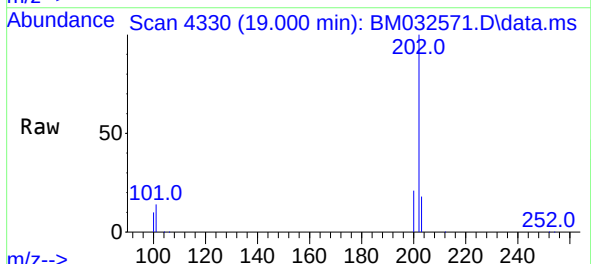
mohammad
 10/19/2021 12:10:35 PM

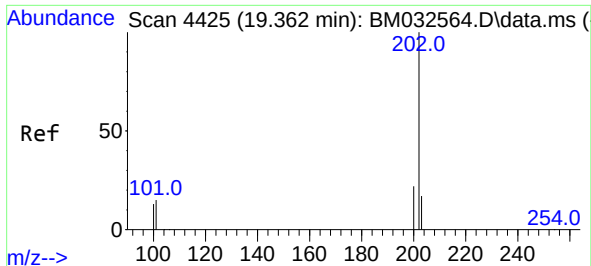


#19
 Fluoranthene
 Concen: 5.30 ng/ul
 RT: 19.000 min Scan# 4330
 Delta R.T. 0.000 min
 Lab File: BM032571.D
 Acq: 18 Oct 2021 13:42

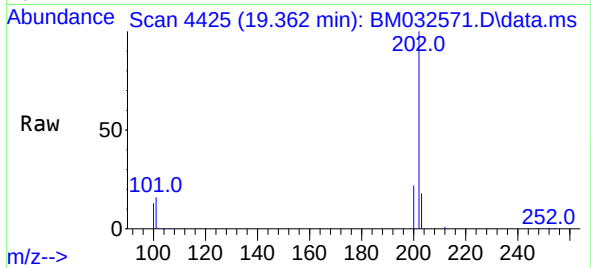
Tgt Ion:202 Resp: 210165

Ion	Ratio	Lower	Upper
202	100		
101	13.7	10.6	16.0
100	10.0	7.8	11.8

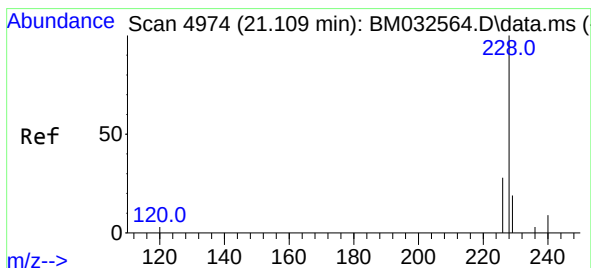
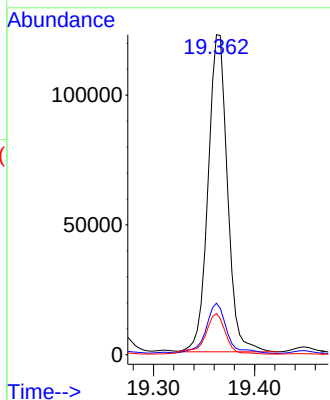
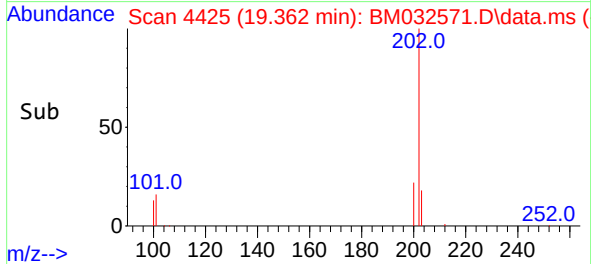




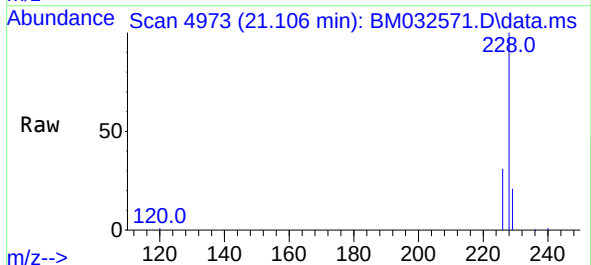
#20
Pyrene
Concen: 3.99 ng/ul
RT: 19.362 min Scan# 4425
Delta R.T. 0.000 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42



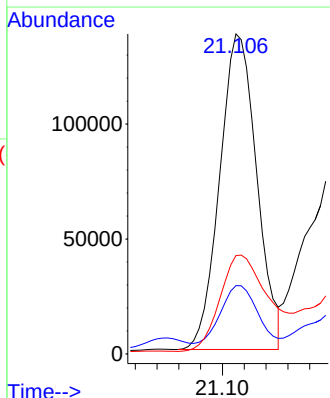
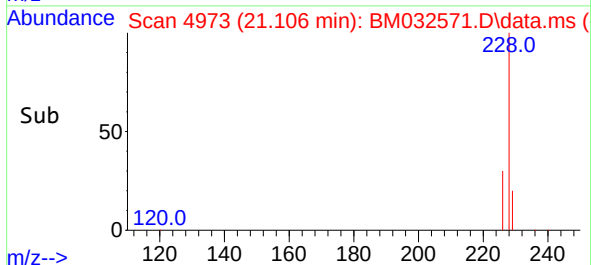
Tgt Ion:202 Resp: 162585
Ion Ratio Lower Upper
202 100
101 16.1 12.3 18.5
100 12.9 10.1 15.1



#21
Benzo(a)anthracene
Concen: 5.18 ng/ul
RT: 21.106 min Scan# 4973
Delta R.T. -0.002 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42



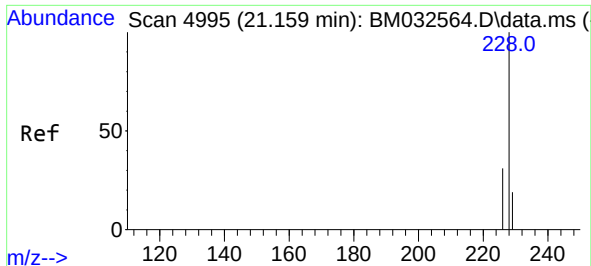
Tgt Ion:228 Resp: 162183
Ion Ratio Lower Upper
228 100
229 21.4 15.9 23.9
226 30.7 22.4 33.6



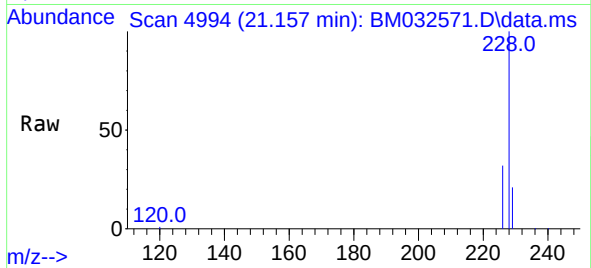
Instrument :
BNA_M
ClientSampleId :
C0B28

Manual Integrations
APPROVED

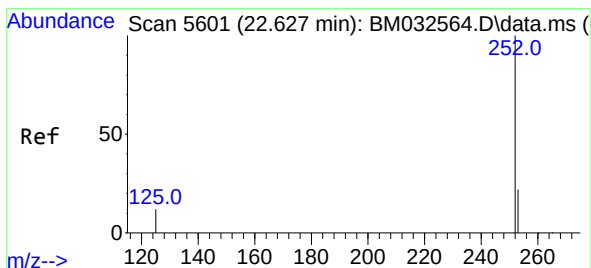
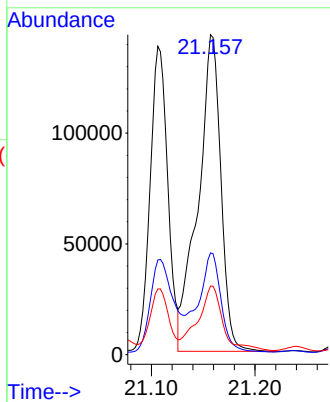
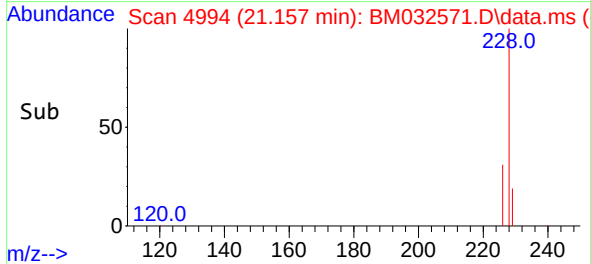
mohammad
10/19/2021 12:10:35 PM



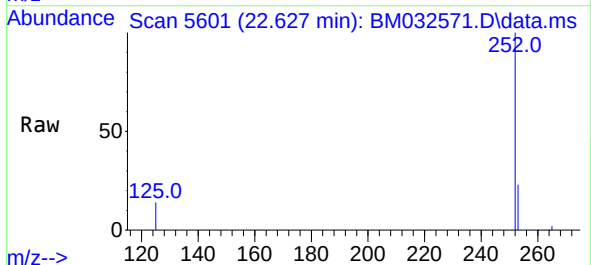
#22
Chrysene
Concen: 6.35 ng/u1
RT: 21.157 min Scan# 4994
Delta R.T. -0.002 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42



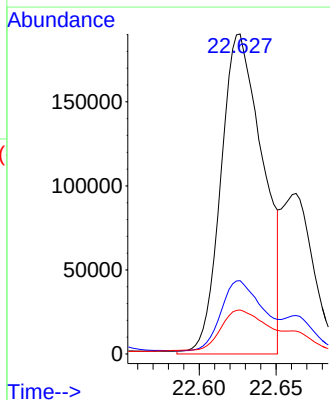
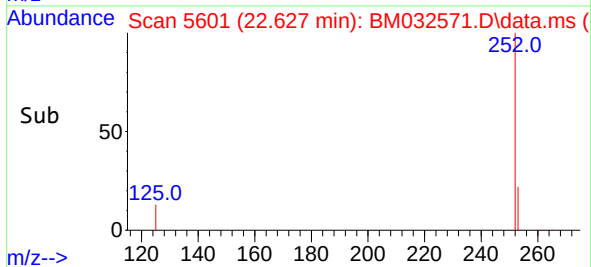
Tgt Ion:228 Resp: 218884
Ion Ratio Lower Upper
228 100
226 31.8 25.1 37.7
229 21.4 15.7 23.5



#24
Benzo(b)fluoranthene
Concen: 8.20 ng/u1 m
RT: 22.627 min Scan# 5601
Delta R.T. 0.000 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42



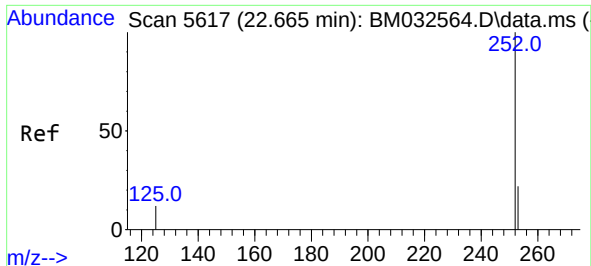
Tgt Ion:252 Resp: 361375
Ion Ratio Lower Upper
252 100
253 22.9 0.0 53.8
125 13.7 0.0 35.6



Instrument :
BNA_M
ClientSampled :
C0B28

Manual Integrations
APPROVED

mohammad
10/19/2021 12:10:35 PM



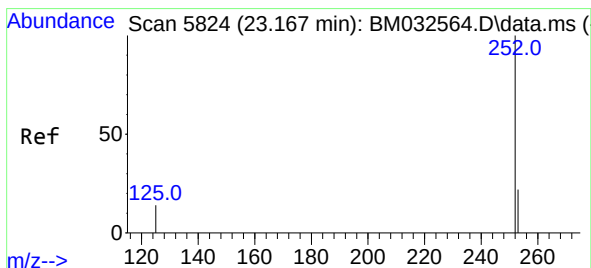
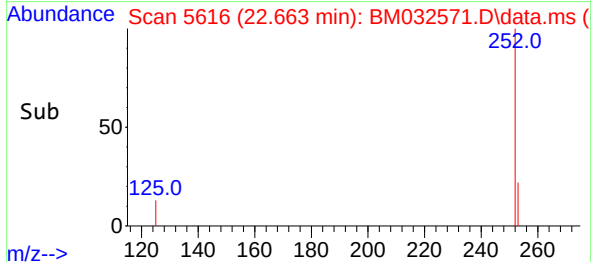
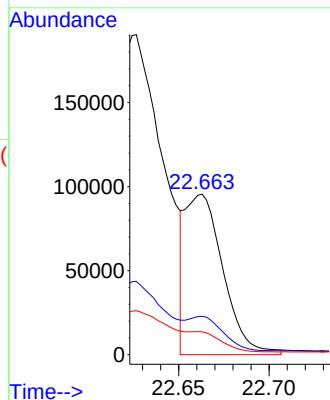
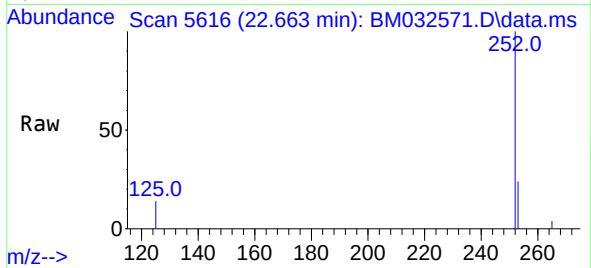
#25
Benzo(k)fluoranthene
Concen: 3.16 ng/ul m
RT: 22.663 min Scan# 5616
Delta R.T. -0.002 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42

Tgt Ion:252 Resp: 138692
Ion Ratio Lower Upper
252 100
253 24.0 21.8 32.6
125 14.3 14.4 21.6#

Instrument :
BNA_M
ClientSampled :
C0B28

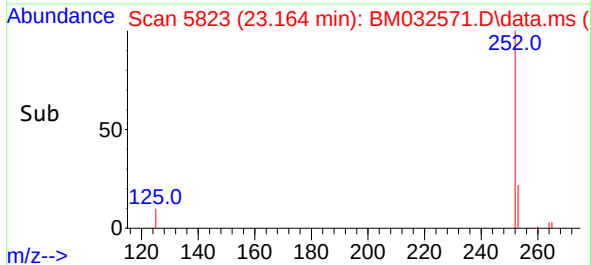
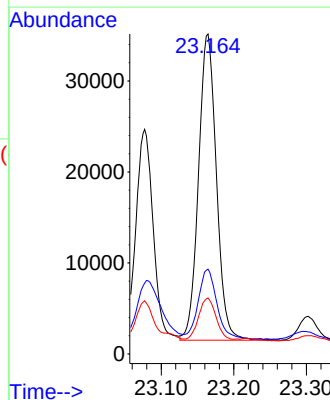
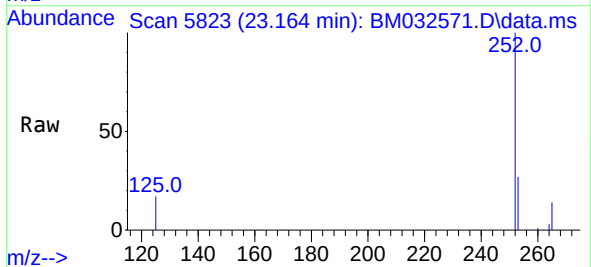
Manual Integrations
APPROVED

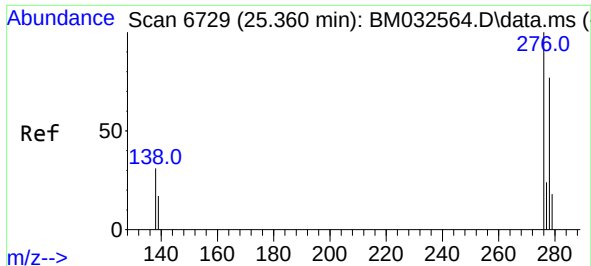
mohammad
10/19/2021 12:10:35 PM



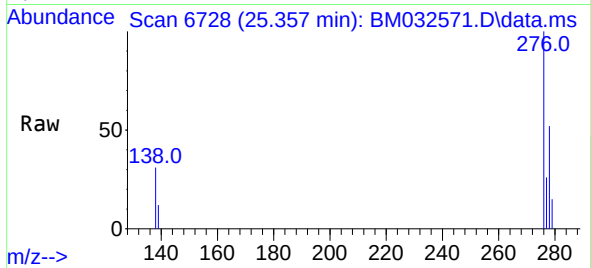
#26
Benzo(a)pyrene
Concen: 1.56 ng/ul
RT: 23.164 min Scan# 5823
Delta R.T. -0.002 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42

Tgt Ion:252 Resp: 57679
Ion Ratio Lower Upper
252 100
253 26.5 23.6 35.4
125 17.5 17.1 25.7

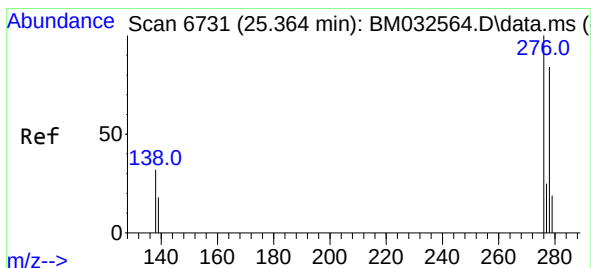
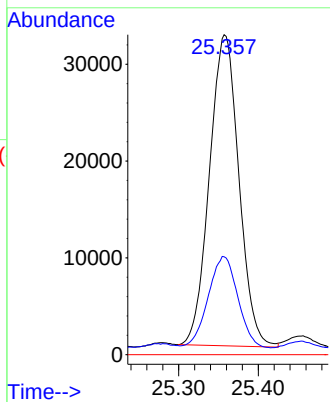
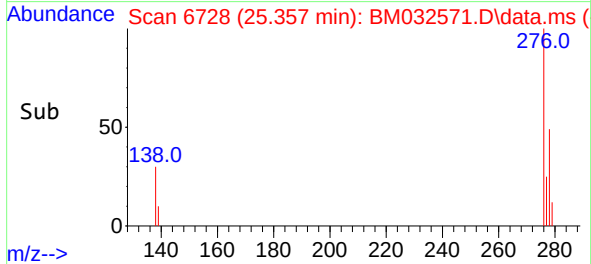




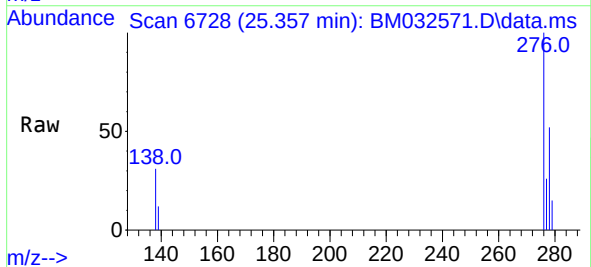
#27
Indeno(1,2,3-cd)pyrene
Concen: 1.83 ng/ul
RT: 25.357 min Scan# 6728
Delta R.T. -0.002 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42



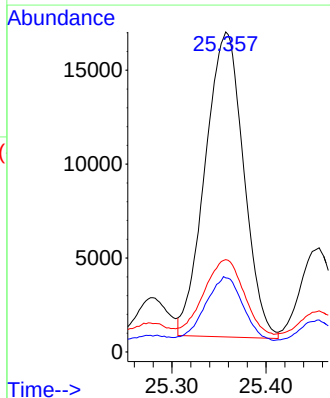
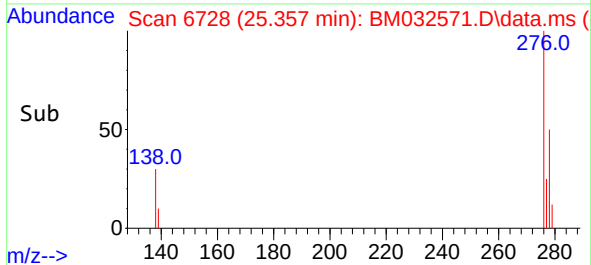
Tgt Ion: 276 Resp: 82604
Ion Ratio Lower Upper
276 100
138 30.0 24.9 37.3
227 0.0 0.0 0.0



#28
Dibenzo(a,h)anthracene
Concen: 1.30 ng/ul
RT: 25.357 min Scan# 6728
Delta R.T. -0.007 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42



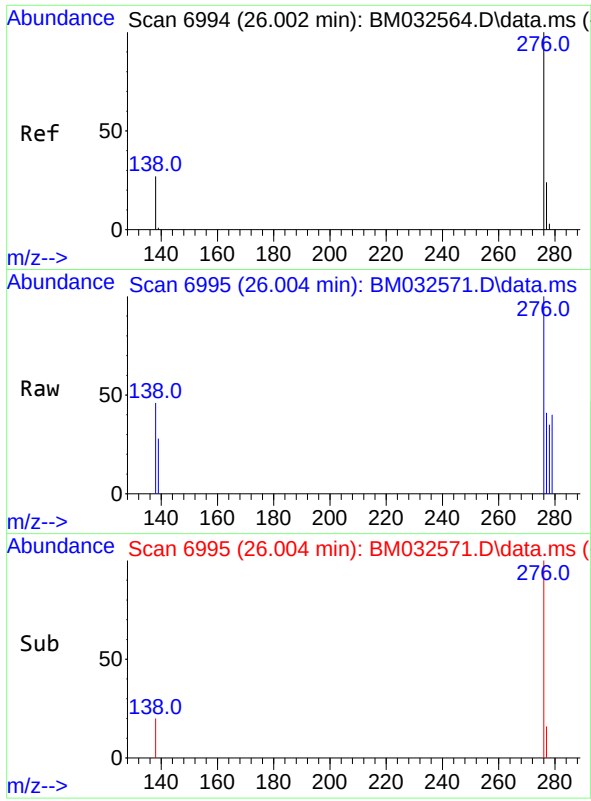
Tgt Ion: 278 Resp: 46141
Ion Ratio Lower Upper
278 100
139 23.1 18.6 28.0
279 28.9 22.0 33.0



Instrument :
BNA_M
ClientSampleId :
C0B28

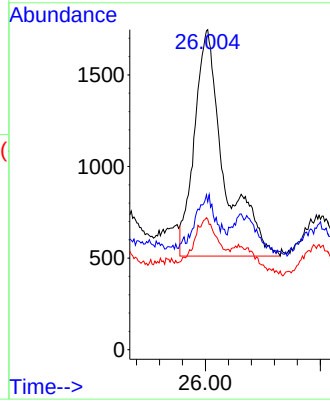
Manual Integrations
APPROVED

mohammad
10/19/2021 12:10:35 PM



#29
Benzo(g,h,i)perylene
Concen: 0.11 ng/ul
RT: 26.004 min Scan# 6995
Delta R.T. 0.002 min
Lab File: BM032571.D
Acq: 18 Oct 2021 13:42

Tgt Ion: 276 Resp: 4449
Ion Ratio Lower Upper
276 100
138 46.2 22.6 33.8#
277 40.8 19.9 29.9#



Instrument :
BNA_M
ClientSampleId :
C0B28

Manual Integrations
APPROVED

mohammad
10/19/2021 12:10:35 PM