

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041824\
 Data File : BM045387.D
 Acq On : 19 Apr 2024 11:22
 Operator : MA/JU
 Sample : PB160280BS
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS280

Quant Time: Apr 19 12:29:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 22:19:59 2024
 Response via : Initial Calibration

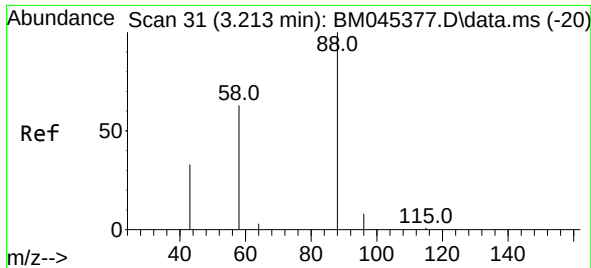
Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/22/2024
 Supervised By :mohammad ahmed 04/22/2024

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

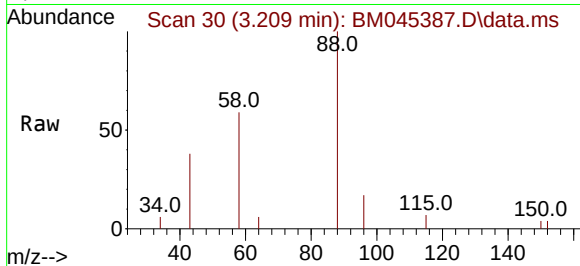
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.627	152	552	0.400	ng/ul	# 0.02
4) Naphthalene-d8	10.402	136	1650	0.400	ng/ul	# 0.02
9) Acenaphthene-d10	14.242	164	903	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.022	188	1882	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.222	240	1530	0.400	ng/ul	# 0.00
23) Perylene-d12	23.423	264	2128	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.180	96	640	0.883	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.013	152	938	0.419	ng/ul	0.02
18) Fluoranthene-d10	19.052	212	1925	0.498	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.209	88	1746	2.512	ng/ul#	84
5) Naphthalene	10.457	128	1901	0.434	ng/ul#	82
7) 2-Methylnaphthalene	12.085	142	1109	0.424	ng/ul	98
8) 1-Methylnaphthalene	12.283	142	1187	0.416	ng/ul	97
10) Acenaphthylene	13.969	152	1921	0.426	ng/ul#	88
11) Acenaphthene	14.307	153	1421	0.441	ng/ul	97
12) Fluorene	15.324	166	1539	0.426	ng/ul#	92
14) Pentachlorophenol	16.688	266	348	0.789	ng/ul	97
15) Phenanthrene	17.060	178	2363	0.446	ng/ul#	91
16) Anthracene	17.174	178	2275	0.436	ng/ul#	86
19) Fluoranthene	19.085	202	2765	0.506	ng/ul#	92
20) Pyrene	19.447	202	2939	0.509	ng/ul#	90
21) Benzo(a)anthracene	21.216	228	2288	0.430	ng/ul	92
22) Chrysene	21.257	228	3306	0.497	ng/ul	97
24) Benzo(b)fluoranthene	22.765	252	3306	0.430	ng/ul	94
25) Benzo(k)fluoranthene	22.809	252	3964m	0.461	ng/ul	
26) Benzo(a)pyrene	23.341	252	3243	0.442	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	25.642	276	4706	0.468	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.669	278	3663	0.460	ng/ul#	84
29) Benzo(g,h,i)perylene	26.299	276	4320	0.498	ng/ul	92

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



#2
1,4-Dioxane
Concen: 2.512 ng/ul
RT: 3.209 min Scan# 30
Delta R.T. -0.004 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

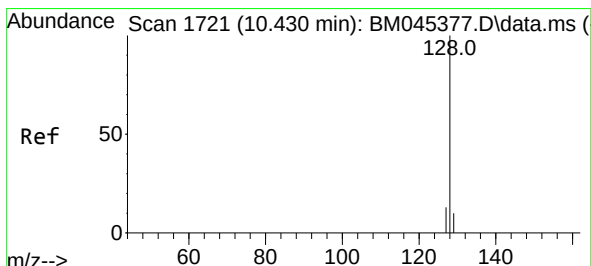
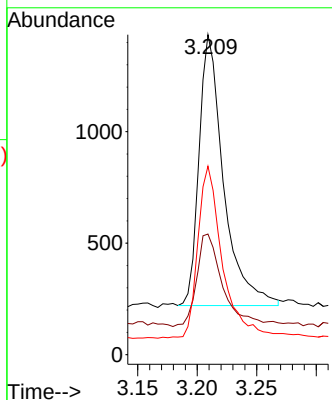
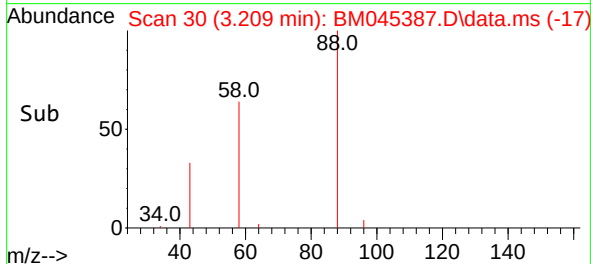
Instrument :
BNA_M
ClientSampleId :
SLCS280



Tgt Ion: 88 Resp: 1740
Ion Ratio Lower Upper
88 100
43 37.7 30.6 46.0
58 58.9 32.6 48.8

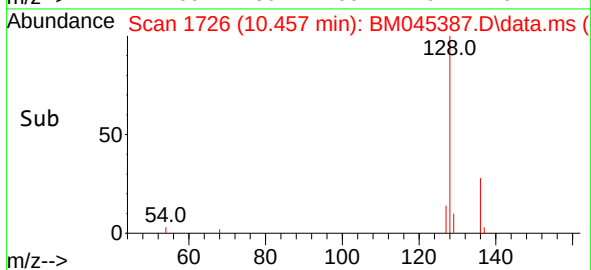
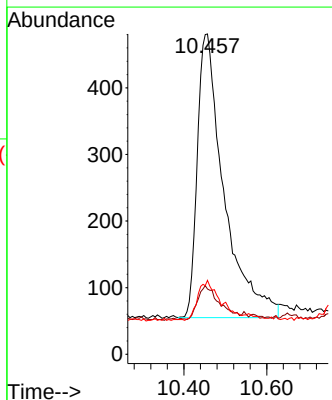
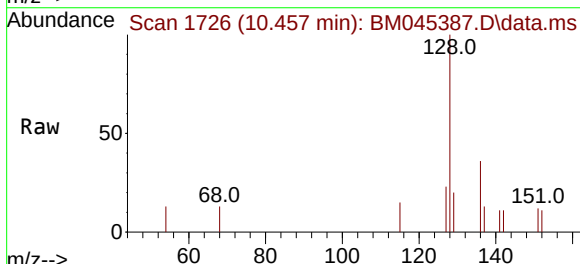
Manual Integrations
APPROVED

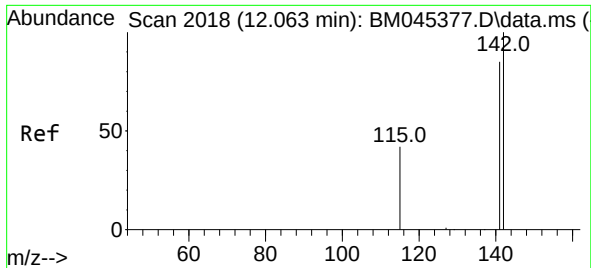
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#5
Naphthalene
Concen: 0.434 ng/ul
RT: 10.457 min Scan# 1726
Delta R.T. 0.016 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

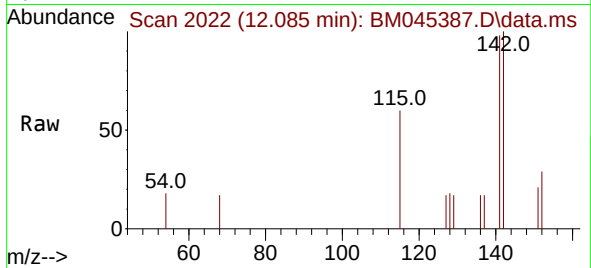
Tgt Ion:128 Resp: 1901
Ion Ratio Lower Upper
128 100
129 20.4 11.3 16.9#
127 23.1 11.9 17.9#





#7
2-Methylnaphthalene
Concen: 0.424 ng/ul
RT: 12.085 min Scan# 2018
Delta R.T. 0.016 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

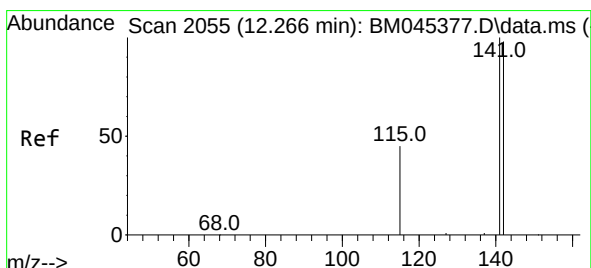
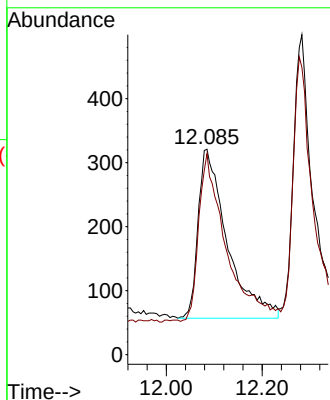
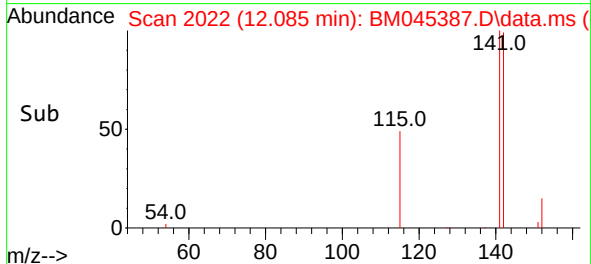
Instrument :
BNA_M
ClientSampleId :
SLCS280



Tgt Ion:142 Resp: 1109
Ion Ratio Lower Upper
142 100
141 94.5 73.8 110.8

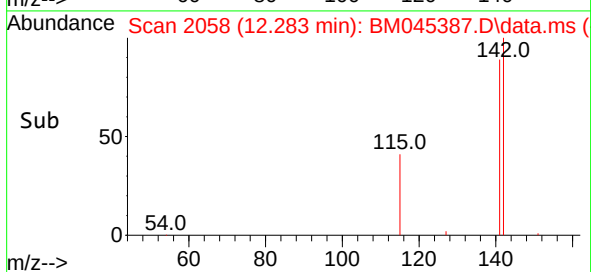
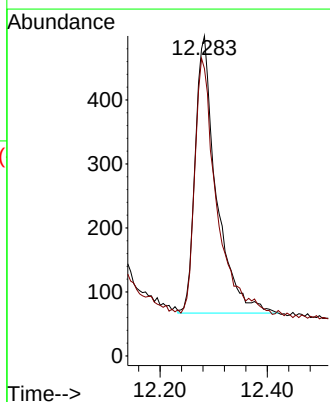
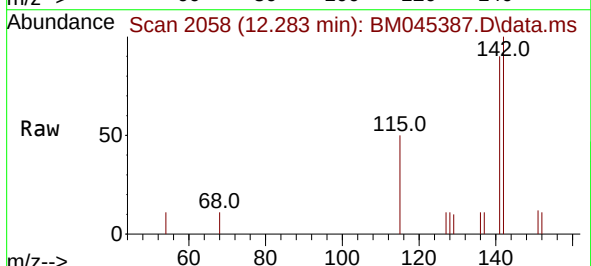
Manual Integrations
APPROVED

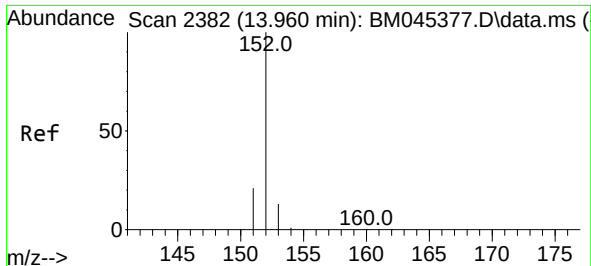
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#8
1-Methylnaphthalene
Concen: 0.416 ng/ul
RT: 12.283 min Scan# 2058
Delta R.T. 0.011 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

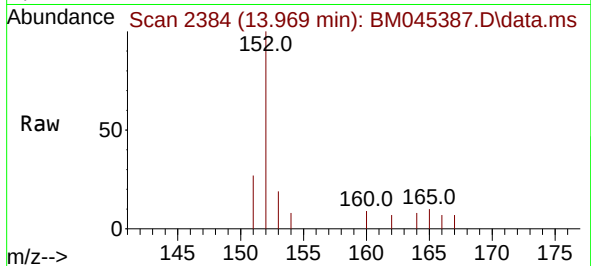
Tgt Ion:142 Resp: 1187
Ion Ratio Lower Upper
142 100
141 95.2 74.2 111.2





#10
Acenaphthylene
Concen: 0.426 ng/ul
RT: 13.969 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

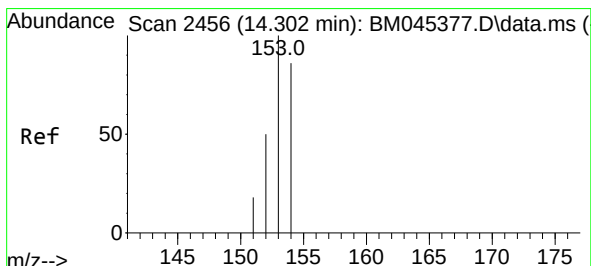
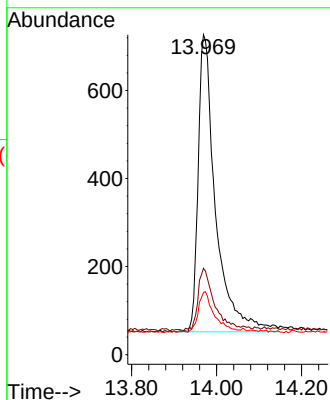
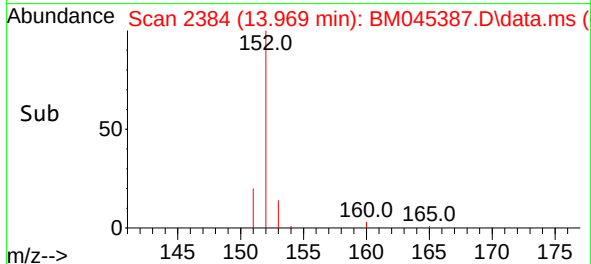
Instrument :
BNA_M
ClientSampleId :
SLCS280



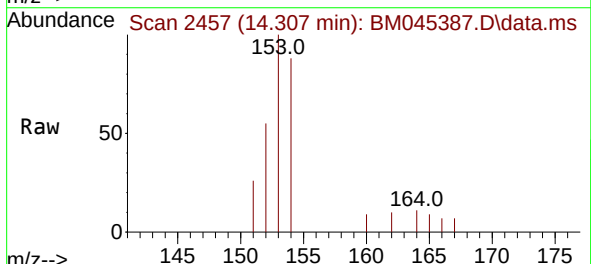
Tgt Ion:152 Resp: 192
Ion Ratio Lower Upper
152 100
151 27.0 17.0 25.4
153 19.4 11.9 17.9

Manual Integrations
APPROVED

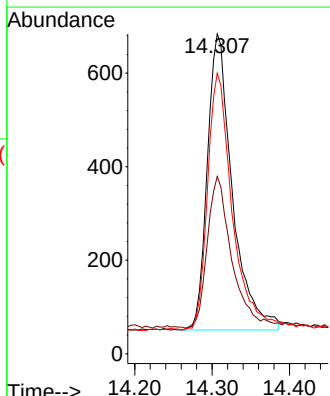
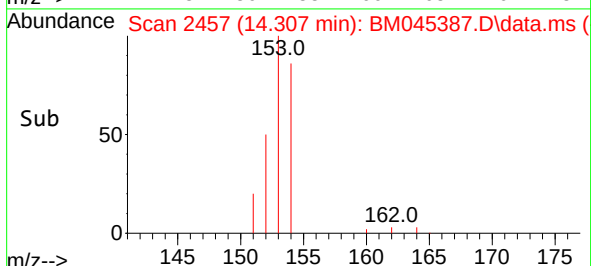
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

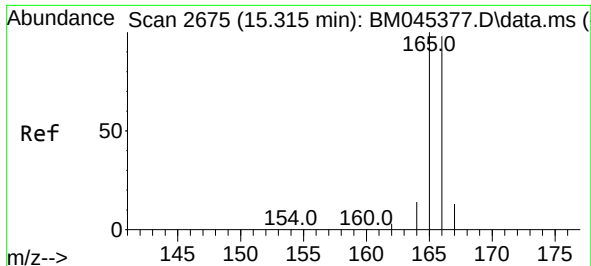


#11
Acenaphthene
Concen: 0.441 ng/ul
RT: 14.307 min Scan# 2457
Delta R.T. 0.005 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22



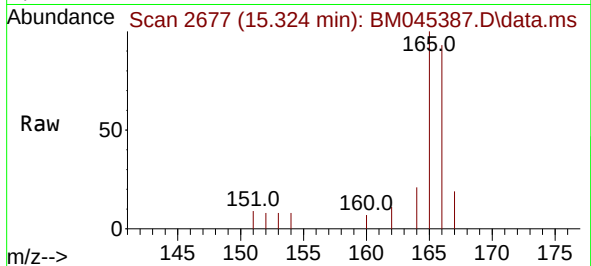
Tgt Ion:153 Resp: 1421
Ion Ratio Lower Upper
153 100
152 55.4 41.2 61.8
154 87.7 69.4 104.0





#12
Fluorene
Concen: 0.426 ng/ul
RT: 15.324 min Scan# 2677
Delta R.T. -0.000 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

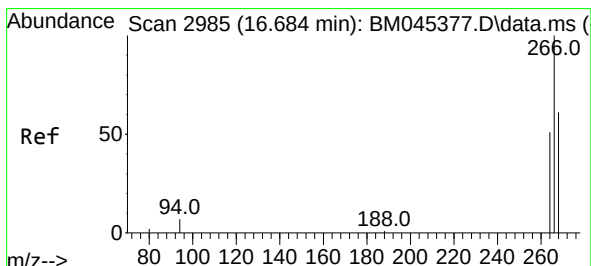
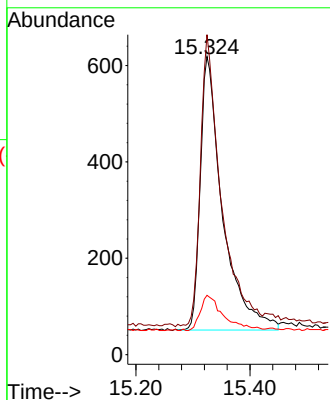
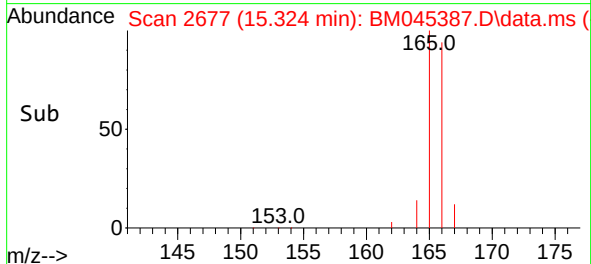
Instrument :
BNA_M
ClientSampleId :
SLCS280



Tgt Ion:166 Resp: 1539
Ion Ratio Lower Upper
166 100
165 107.3 79.9 119.9
167 19.9 12.2 18.2

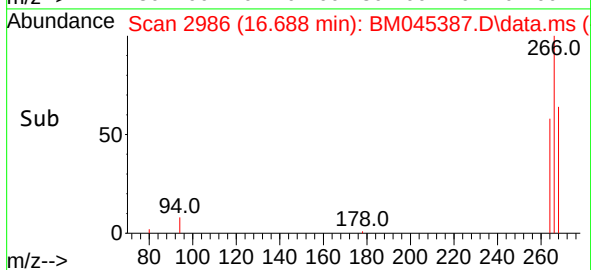
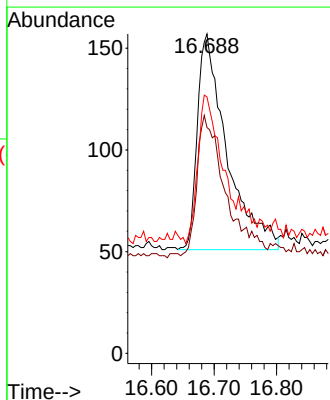
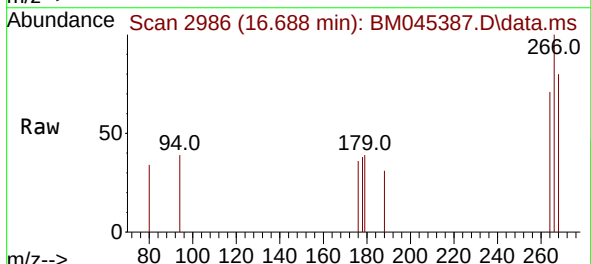
Manual Integrations
APPROVED

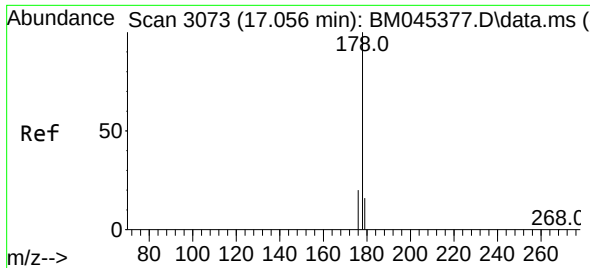
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#14
Pentachlorophenol
Concen: 0.789 ng/ul
RT: 16.688 min Scan# 2986
Delta R.T. -0.000 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

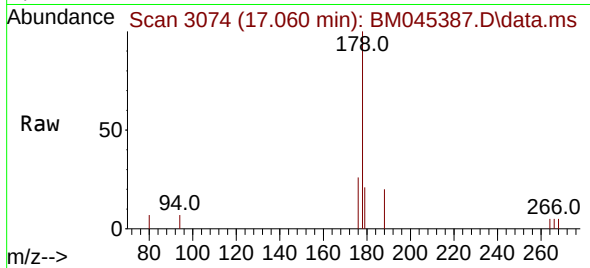
Tgt Ion:266 Resp: 348
Ion Ratio Lower Upper
266 100
264 63.5 48.3 72.5
268 67.0 52.6 79.0





#15
Phenanthrene
Concen: 0.446 ng/ul
RT: 17.060 min Scan# 3073
Delta R.T. -0.000 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

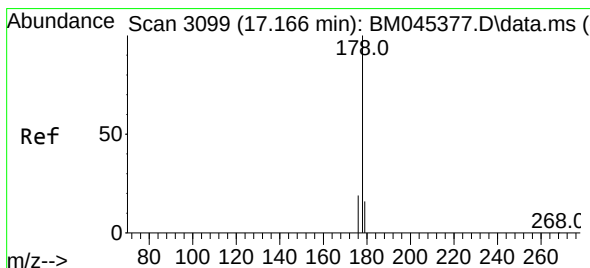
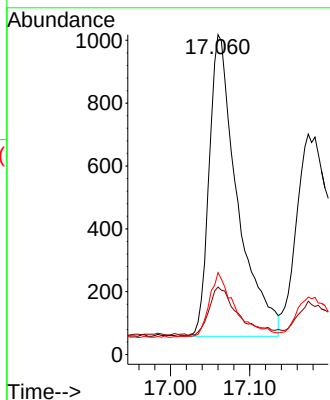
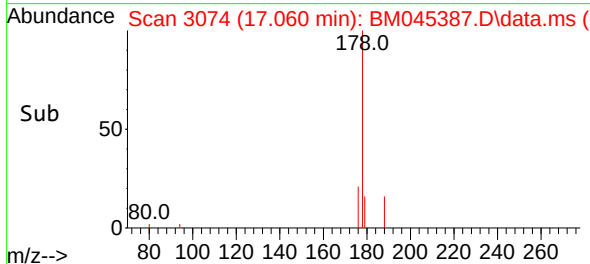
Instrument :
BNA_M
ClientSampleId :
SLCS280



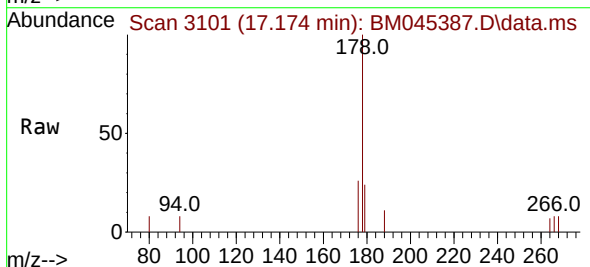
Tgt Ion:178 Resp: 236
Ion Ratio Lower Upper
178 100
179 21.1 13.7 20.5
176 25.6 17.0 25.4

Manual Integrations
APPROVED

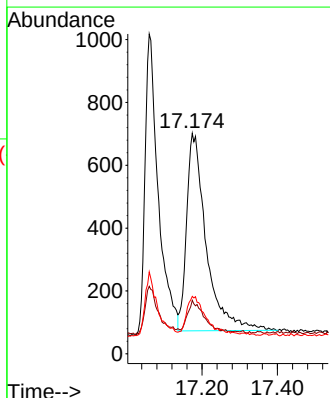
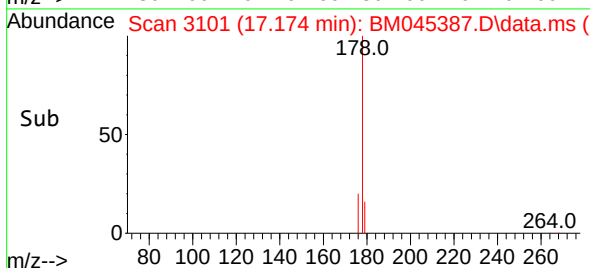
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

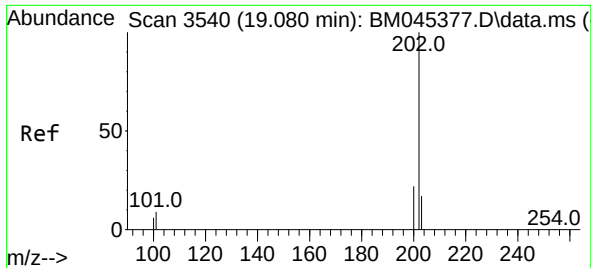


#16
Anthracene
Concen: 0.436 ng/ul
RT: 17.174 min Scan# 3101
Delta R.T. 0.004 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22



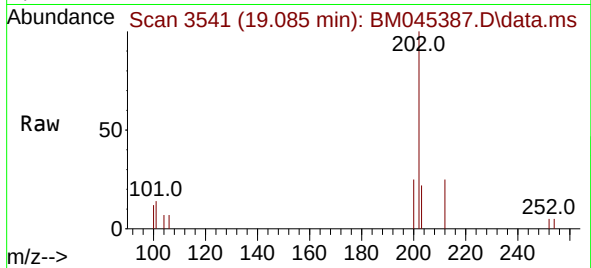
Tgt Ion:178 Resp: 2275
Ion Ratio Lower Upper
178 100
179 24.2 13.8 20.8#
176 26.1 16.2 24.4#





#19
Fluoranthene
Concen: 0.506 ng/u1
RT: 19.085 min Scan# 3540
Delta R.T. -0.000 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

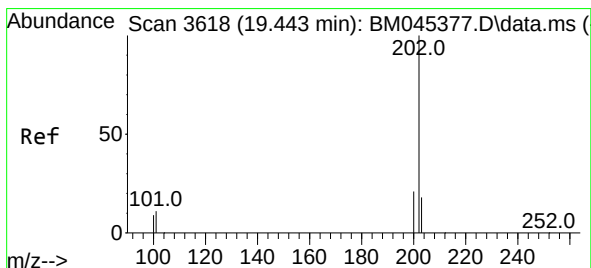
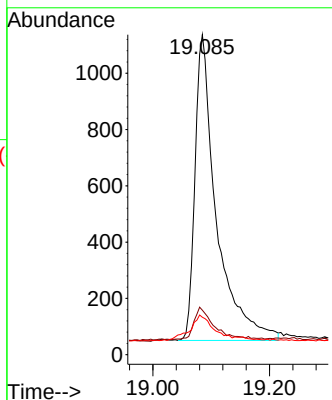
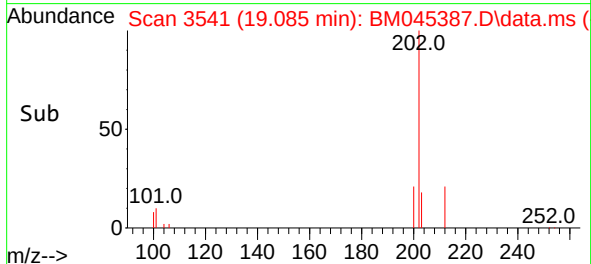
Instrument :
BNA_M
ClientSampleId :
SLCS280



Tgt Ion:202 Resp: 276
Ion Ratio Lower Upper
202 100
101 13.9 8.8 13.2
100 11.7 7.0 10.4

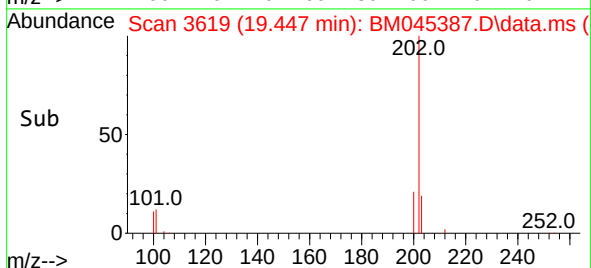
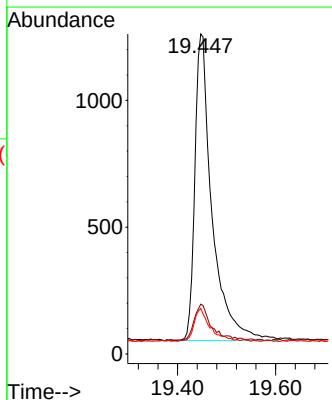
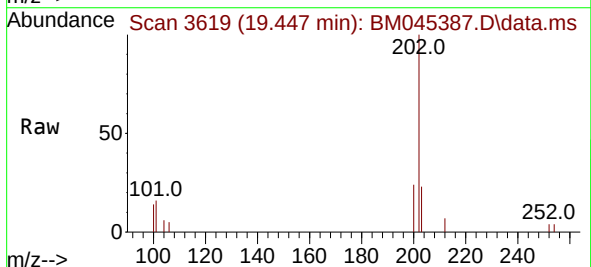
Manual Integrations
APPROVED

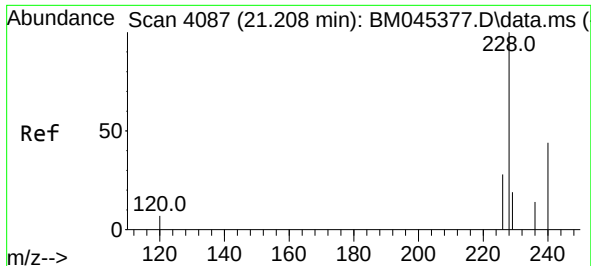
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#20
Pyrene
Concen: 0.509 ng/u1
RT: 19.447 min Scan# 3619
Delta R.T. -0.000 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

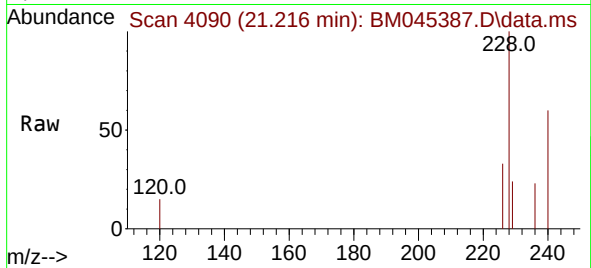
Tgt Ion:202 Resp: 2939
Ion Ratio Lower Upper
202 100
101 15.5 9.8 14.6#
100 14.3 8.1 12.1#





#21
Benzo(a)anthracene
Concen: 0.430 ng/ul
RT: 21.216 min Scan# 4090
Delta R.T. 0.006 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

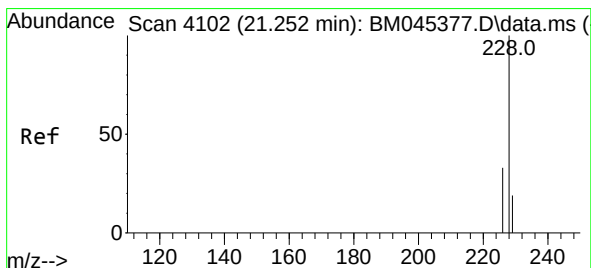
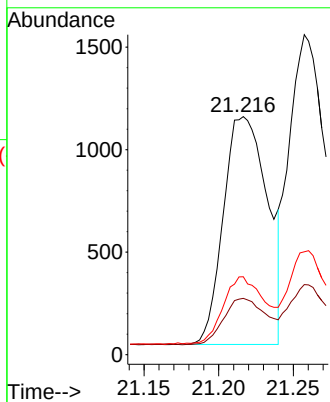
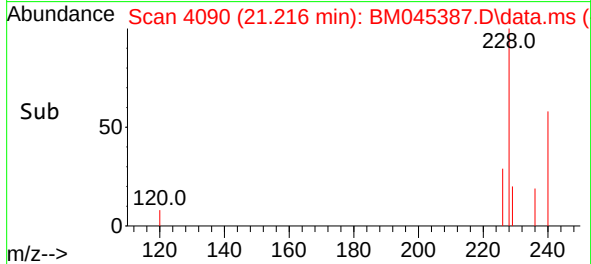
Instrument :
BNA_M
ClientSampleId :
SLCS280



Tgt Ion:228 Resp: 2288
Ion Ratio Lower Upper
228 100
229 23.7 16.4 24.6
226 32.7 22.3 33.5

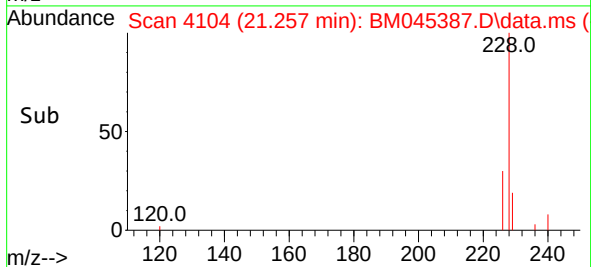
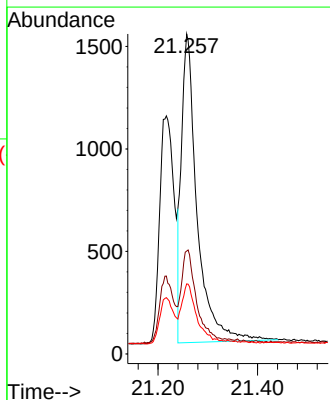
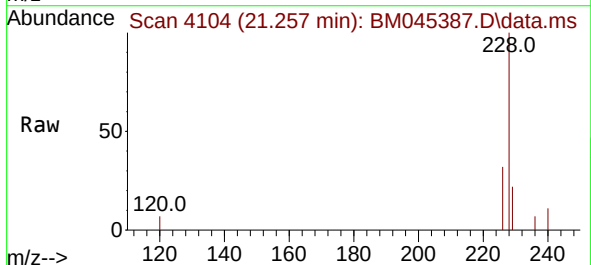
Manual Integrations
APPROVED

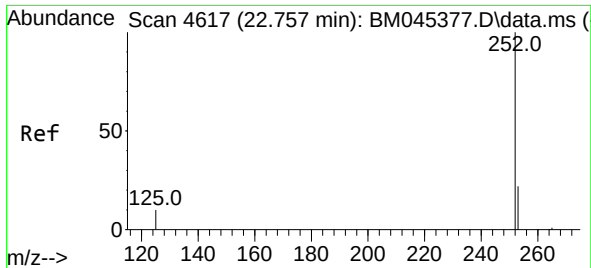
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#22
Chrysene
Concen: 0.497 ng/ul
RT: 21.257 min Scan# 4104
Delta R.T. 0.003 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

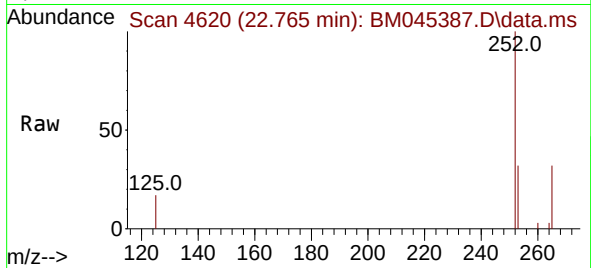
Tgt Ion:228 Resp: 3306
Ion Ratio Lower Upper
228 100
226 32.2 24.9 37.3
229 21.9 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 0.430 ng/ul
RT: 22.765 min Scan# 4620
Delta R.T. 0.003 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

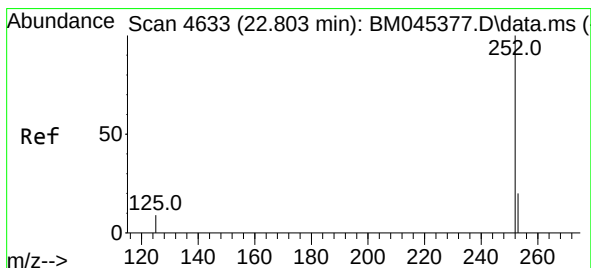
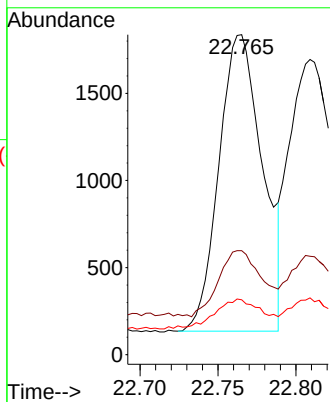
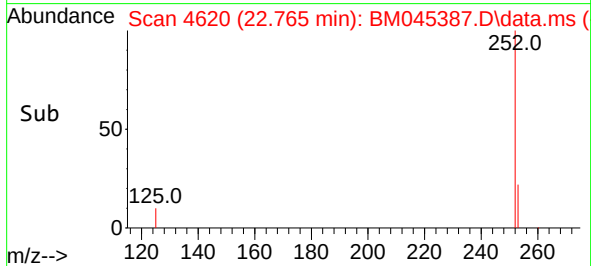
Instrument :
BNA_M
ClientSampleId :
SLCS280



Tgt Ion:252 Resp: 3300
Ion Ratio Lower Upper
252 100
253 32.5 0.0 56.4
125 17.1 0.0 33.4

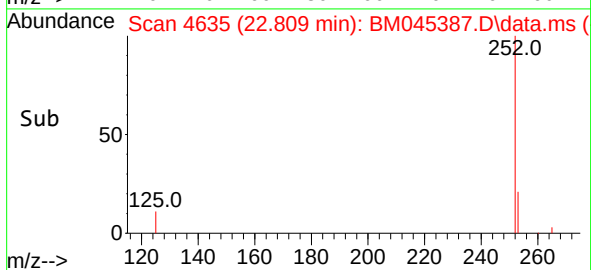
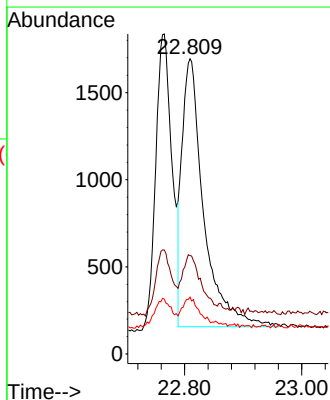
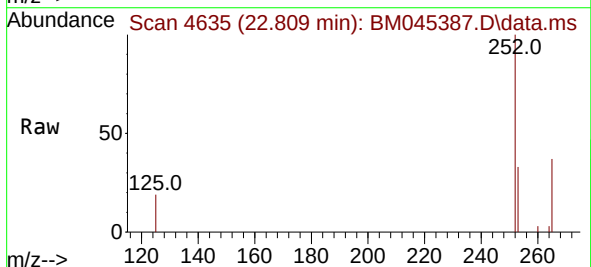
Manual Integrations
APPROVED

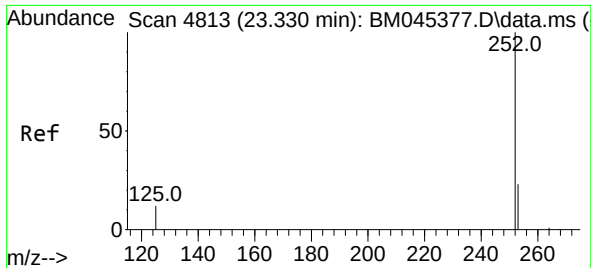
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#25
Benzo(k)fluoranthene
Concen: 0.461 ng/ul m
RT: 22.809 min Scan# 4635
Delta R.T. 0.003 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

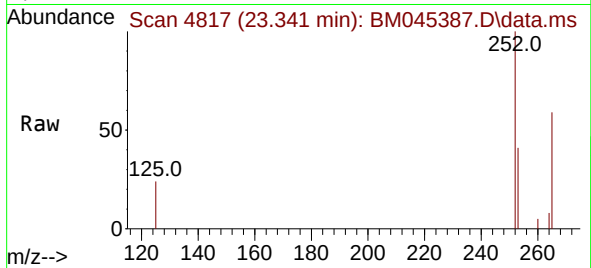
Tgt Ion:252 Resp: 3964
Ion Ratio Lower Upper
252 100
253 33.3 22.3 33.5
125 19.2 11.6 17.4#





#26
Benzo(a)pyrene
Concen: 0.442 ng/ul
RT: 23.341 min Scan# 4813
Delta R.T. 0.009 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

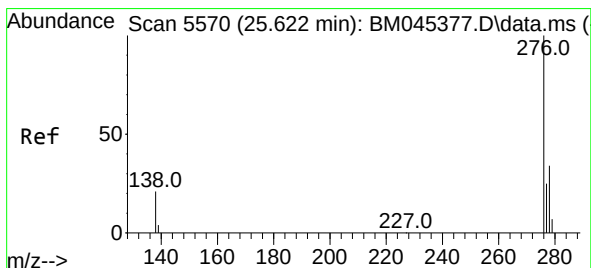
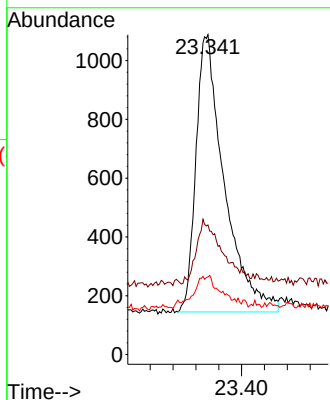
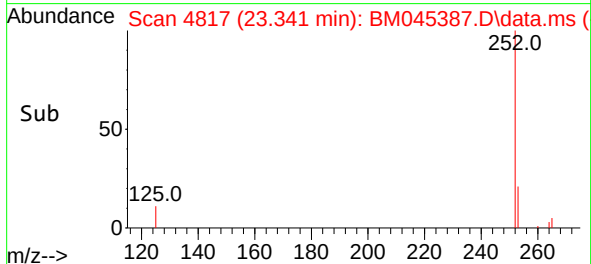
Instrument :
BNA_M
ClientSampleId :
SLCS280



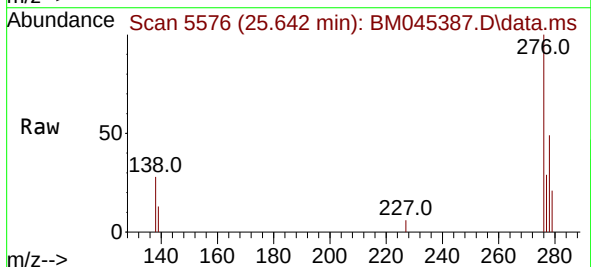
Tgt Ion:252 Resp: 324
Ion Ratio Lower Upper
252 100
253 40.5 24.6 37.0#
125 24.3 18.2 27.4

Manual Integrations
APPROVED

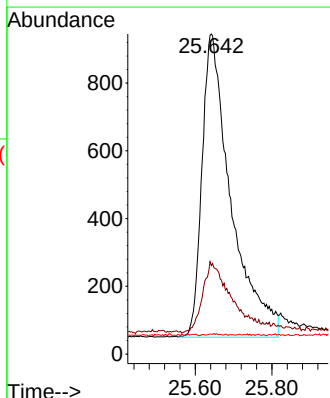
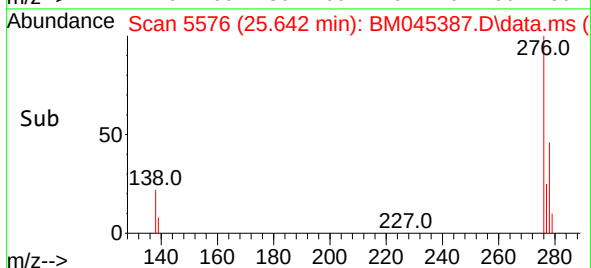
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

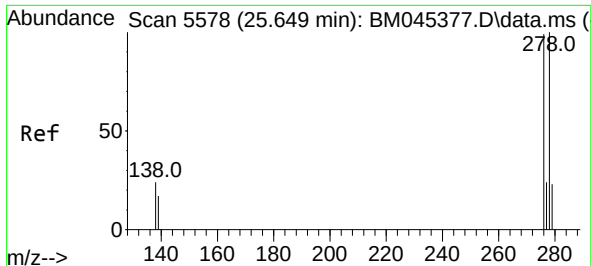


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.468 ng/ul
RT: 25.642 min Scan# 5576
Delta R.T. 0.010 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22



Tgt Ion:276 Resp: 4706
Ion Ratio Lower Upper
276 100
138 24.2 0.0 0.0#
227 0.1 0.1 0.1#





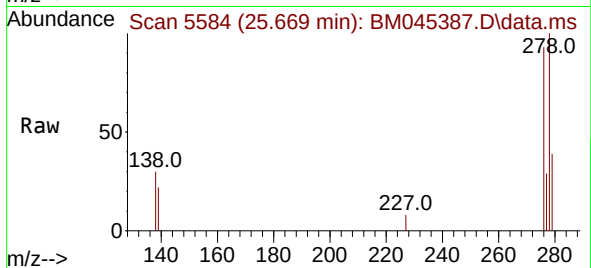
#28
Dibenzo(a,h)anthracene
Concen: 0.460 ng/ul
RT: 25.669 min Scan# 51
Delta R.T. 0.010 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

Instrument :

BNA_M

ClientSampleId :

SLCS280



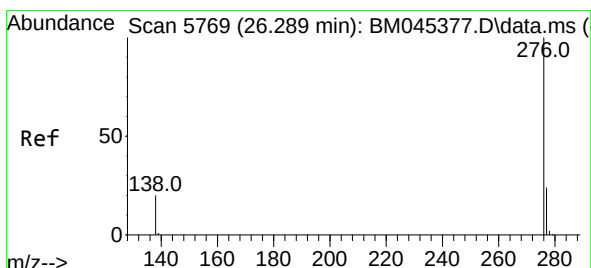
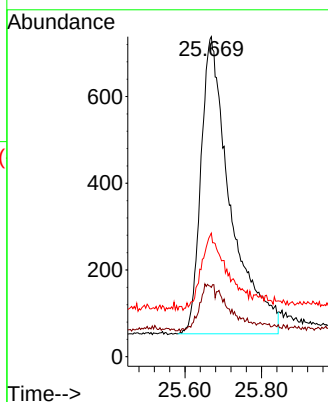
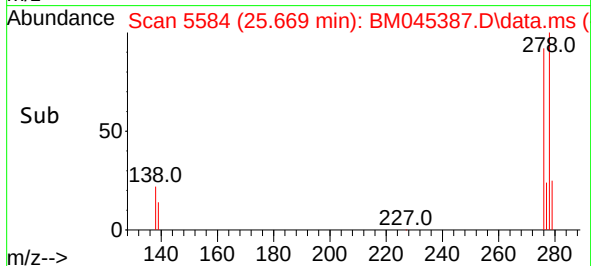
Tgt Ion:278 Resp: 366
Ion Ratio Lower Upper
278 100
139 21.7 13.6 20.4
279 38.6 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#29
Benzo(g,h,i)perylene
Concen: 0.498 ng/ul
RT: 26.299 min Scan# 5772
Delta R.T. -0.003 min
Lab File: BM045387.D
Acq: 19 Apr 2024 11:22

Tgt Ion:276 Resp: 4320
Ion Ratio Lower Upper
276 100
138 25.0 16.8 25.2
277 29.0 20.3 30.5

