

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
 Data File : BM042951.D
 Acq On : 22 Nov 2023 14:27
 Operator : MA/JU
 Sample : PB157008BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS008

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/25/2023
 Supervised By :mohammad ahmed 11/25/2023

Quant Time: Nov 23 00:11:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 22 10:35:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.868	152	544	0.400	ng/ul	0.03
4) Naphthalene-d8	10.645	136	1518	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.474	164	811	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.238	188	1720	0.400	ng/ul	0.00
17) Chrysene-d12	21.420	240	1189	0.400	ng/ul	0.00
23) Perylene-d12	23.779	264	1686	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.168	96	640	0.749	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.245	152	656	0.343	ng/ul	0.01
18) Fluoranthene-d10	19.262	212	1458	0.376	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.202	88	1973	2.075	ng/ul#	48
5) Naphthalene	10.700	128	1550	0.324	ng/ul#	87
7) 2-Methylnaphthalene	12.328	142	851	0.304	ng/ul	97
8) 1-Methylnaphthalene	12.526	142	923	0.314	ng/ul	99
10) Acenaphthylene	14.206	152	1735	0.322	ng/ul	95
11) Acenaphthene	14.534	153	1258	0.333	ng/ul	97
12) Fluorene	15.543	166	1287	0.317	ng/ul	95
14) Pentachlorophenol	16.892	266	598	0.625	ng/ul	92
15) Phenanthrene	17.276	178	1940	0.321	ng/ul	93
16) Anthracene	17.382	178	1906m	0.304	ng/ul	
19) Fluoranthene	19.290	202	2636	0.351	ng/ul	98
20) Pyrene	19.657	202	2798	0.347	ng/ul	99
21) Benzo(a)anthracene	21.406	228	1724	0.309	ng/ul	96
22) Chrysene	21.455	228	2650	0.368	ng/ul	98
24) Benzo(b)fluoranthene	23.048	252	2131	0.314	ng/ul	99
25) Benzo(k)fluoranthene	23.101	252	2962	0.351	ng/ul	98
26) Benzo(a)pyrene	23.683	252	2312	0.332	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.245	276	2993	0.321	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.262	278	2217	0.319	ng/ul	97
29) Benzo(g,h,i)perylene	27.013	276	2638	0.333	ng/ul	98

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

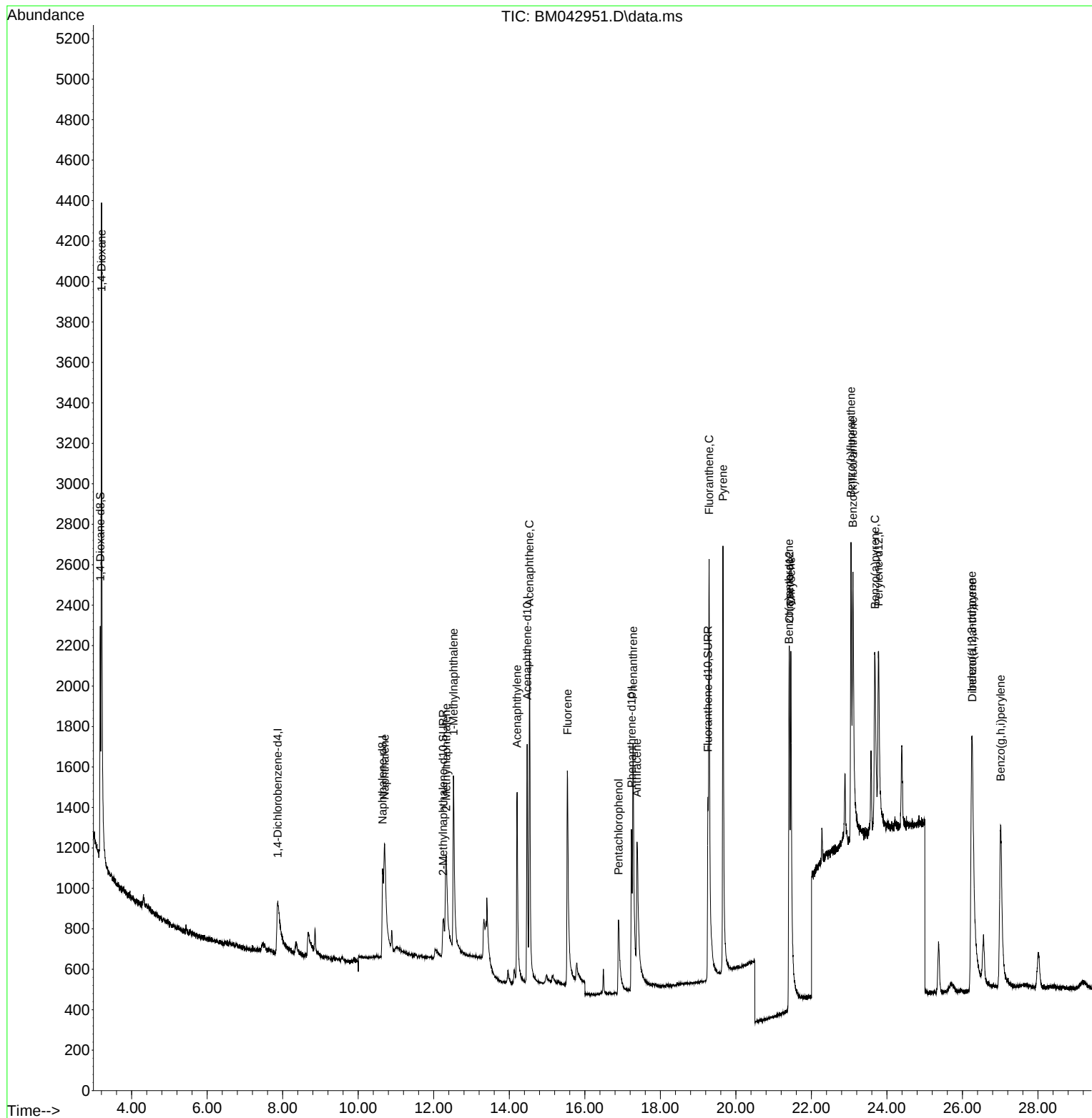
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
Data File : BM042951.D
Acq On : 22 Nov 2023 14:27
Operator : MA/JU
Sample : PB157008BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

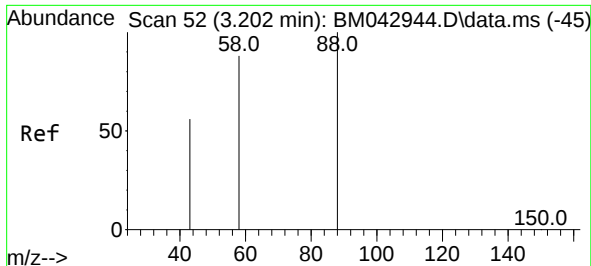
Instrument :
BNA_M
ClientSampleId :
SLCS008

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023

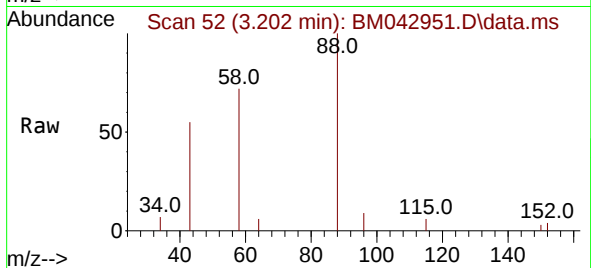
Quant Time: Nov 23 00:11:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 22 10:35:26 2023
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 2.075 ng/ul
RT: 3.202 min Scan# 51
Delta R.T. -0.004 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27

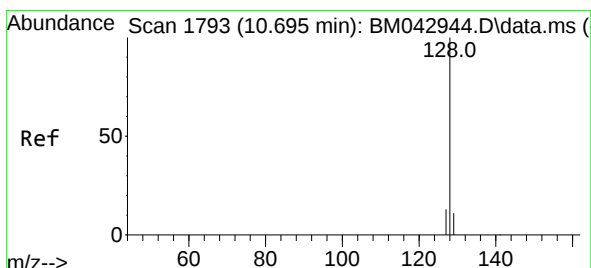
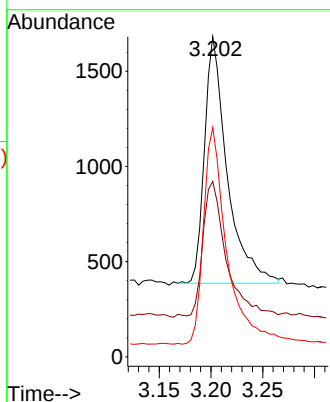
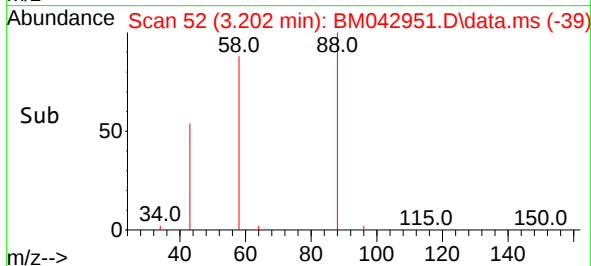
Instrument :
BNA_M
ClientSampleId :
SLCS008



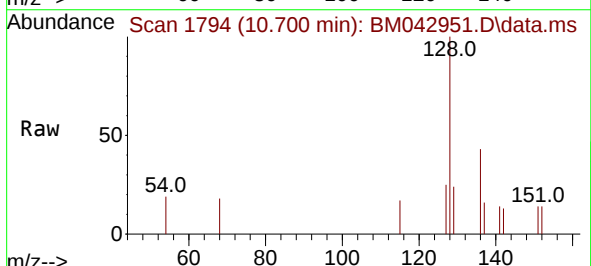
Tgt Ion: 88 Resp: 197
Ion Ratio Lower Upper
88 100
43 54.8 30.5 45.7
58 71.6 21.8 32.6

Manual Integrations
APPROVED

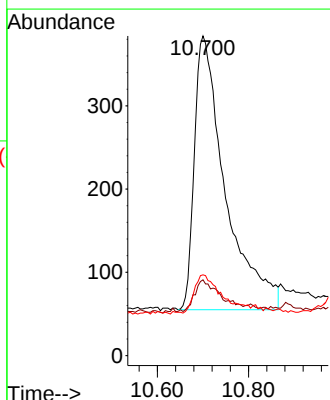
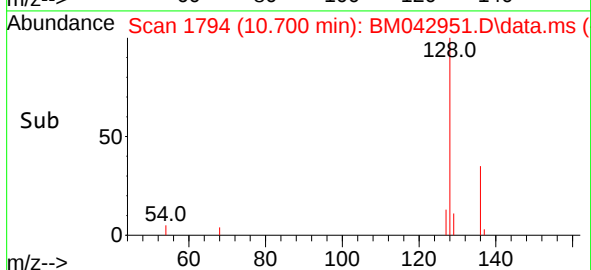
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023

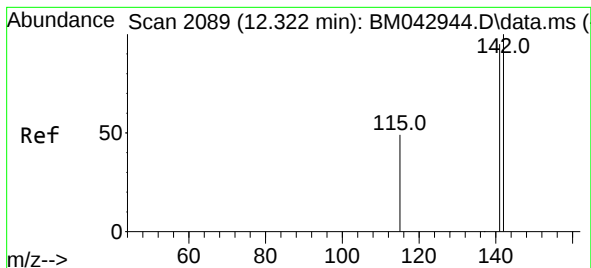


#5
Naphthalene
Concen: 0.324 ng/ul
RT: 10.700 min Scan# 1794
Delta R.T. 0.018 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27



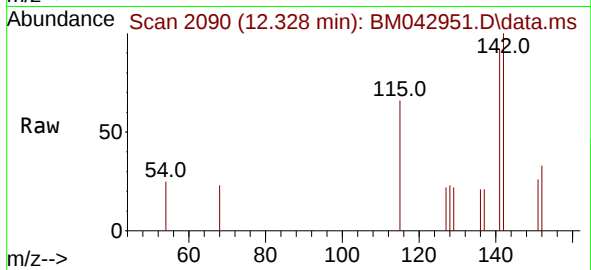
Tgt Ion:128 Resp: 1550
Ion Ratio Lower Upper
128 100
129 23.7 14.2 21.4#
127 25.3 15.8 23.6#





#7
2-Methylnaphthalene
Concen: 0.304 ng/ul
RT: 12.328 min Scan# 2089
Delta R.T. 0.018 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27

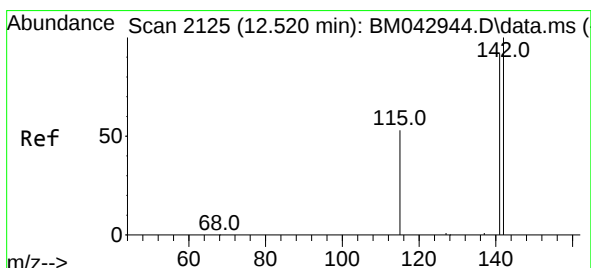
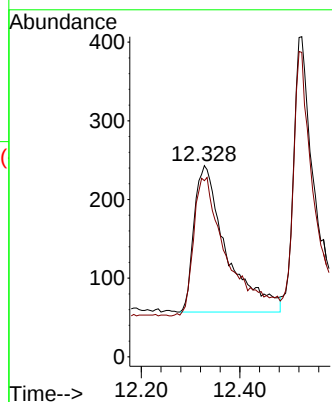
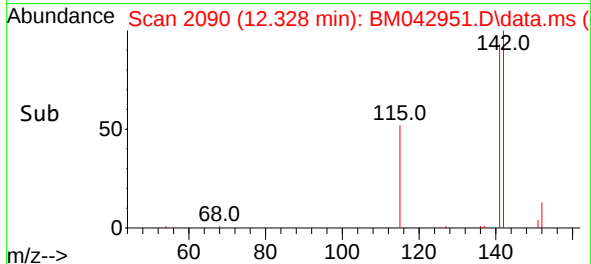
Instrument :
BNA_M
ClientSampleId :
SLCS008



Tgt Ion:142 Resp: 85
Ion Ratio Lower Upper
142 100
141 99.3 77.2 115.8

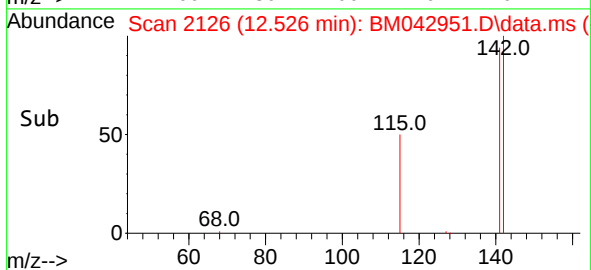
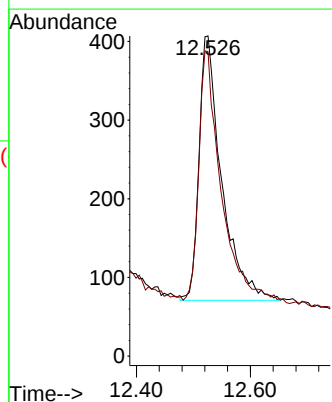
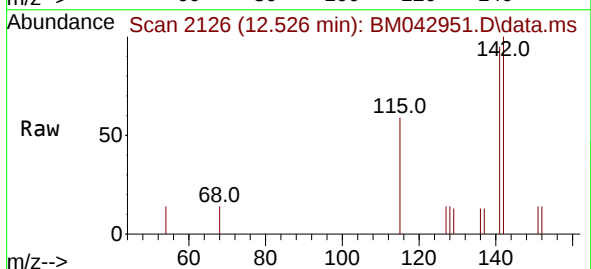
Manual Integrations
APPROVED

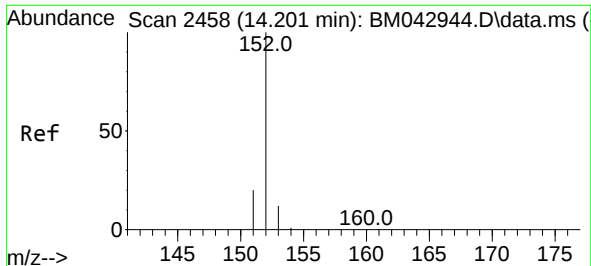
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023



#8
1-Methylnaphthalene
Concen: 0.314 ng/ul
RT: 12.526 min Scan# 2126
Delta R.T. 0.007 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27

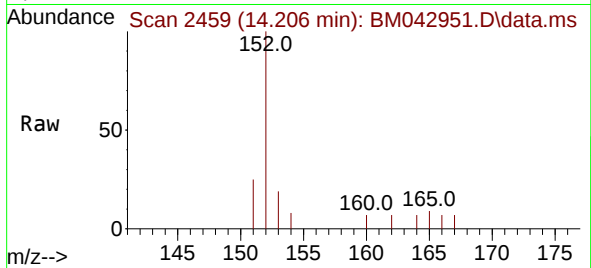
Tgt Ion:142 Resp: 923
Ion Ratio Lower Upper
142 100
141 92.1 74.6 112.0





#10
Acenaphthylene
Concen: 0.322 ng/ul
RT: 14.206 min Scan# 2458
Delta R.T. 0.006 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27

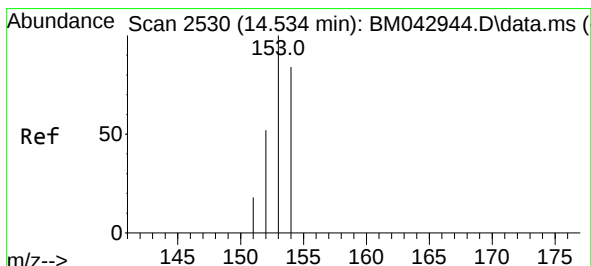
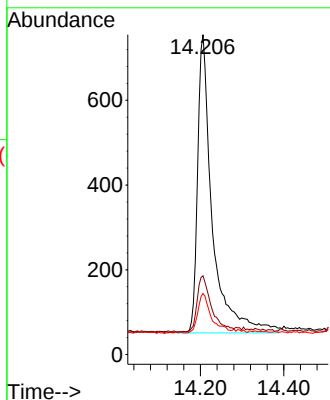
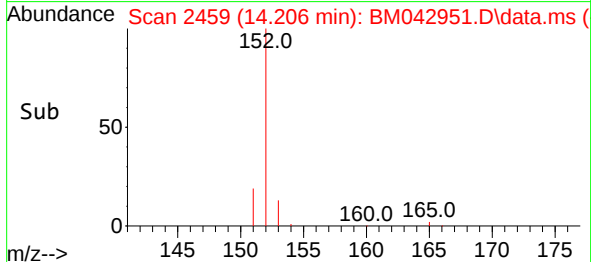
Instrument :
BNA_M
ClientSampleId :
SLCS008



Tgt Ion:152 Resp: 1738
Ion Ratio Lower Upper
152 100
151 24.6 18.5 27.7
153 19.1 12.9 19.3

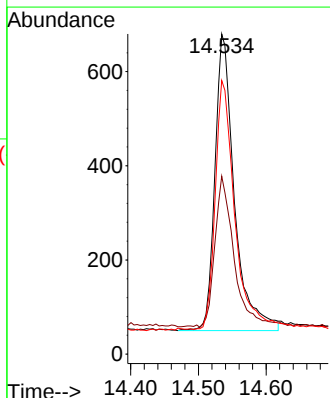
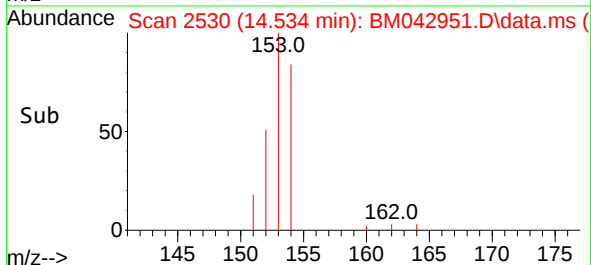
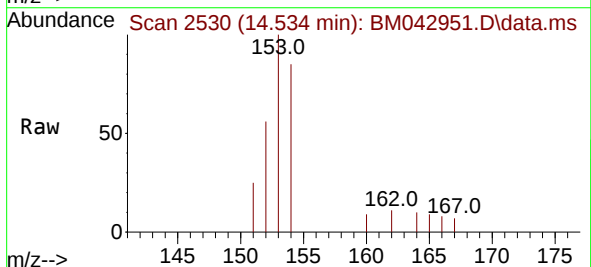
Manual Integrations
APPROVED

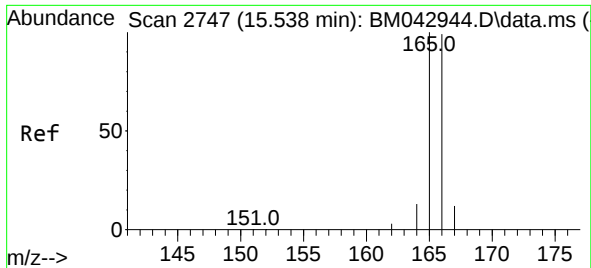
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023



#11
Acenaphthene
Concen: 0.333 ng/ul
RT: 14.534 min Scan# 2530
Delta R.T. 0.001 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27

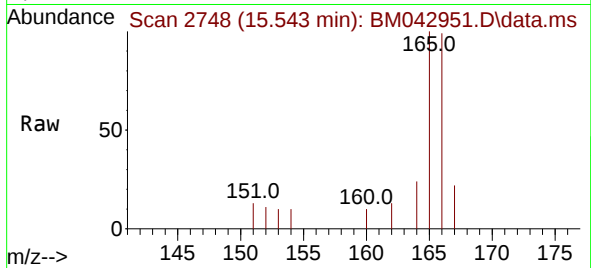
Tgt Ion:153 Resp: 1258
Ion Ratio Lower Upper
153 100
152 55.6 43.3 64.9
154 85.4 70.6 105.8





#12
Fluorene
Concen: 0.317 ng/ul
RT: 15.543 min Scan# 21
Delta R.T. 0.015 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27

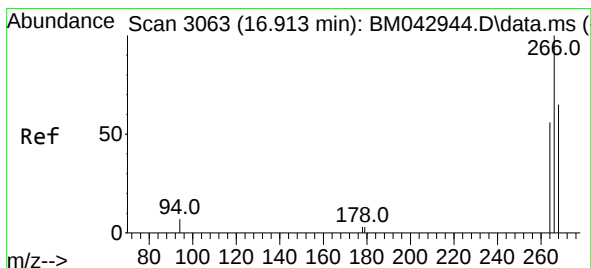
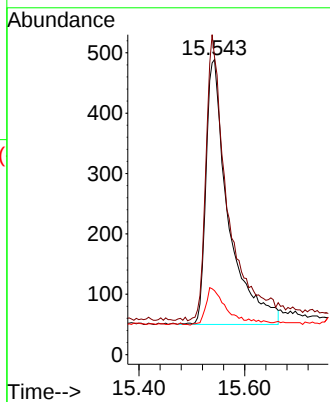
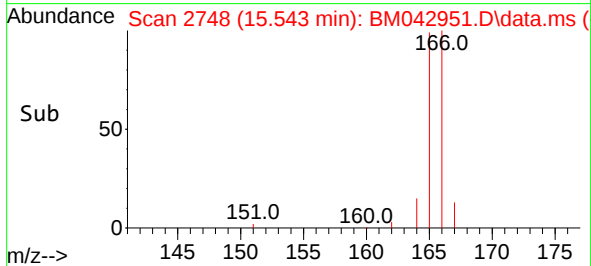
Instrument :
BNA_M
ClientSampleId :
SLCS008



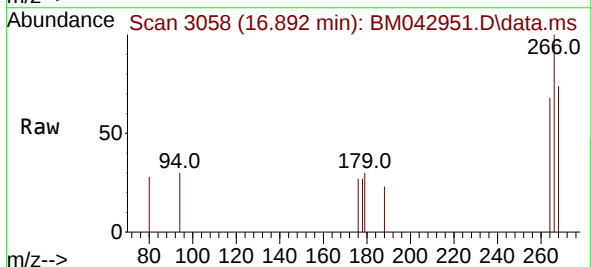
Tgt Ion:166 Resp: 128
Ion Ratio Lower Upper
166 100
165 100.8 84.3 126.5
167 21.7 15.0 22.6

Manual Integrations
APPROVED

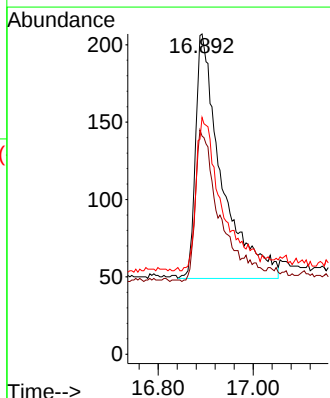
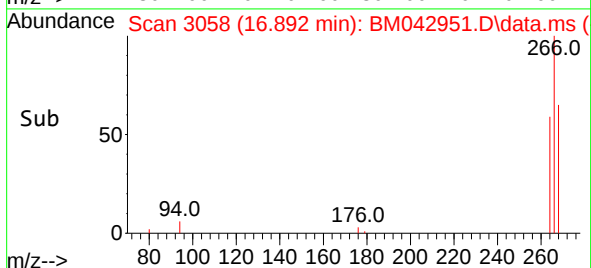
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023

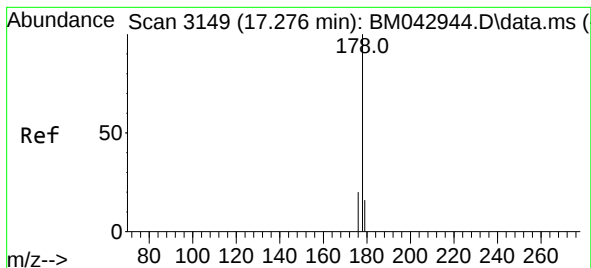


#14
Pentachlorophenol
Concen: 0.625 ng/ul
RT: 16.892 min Scan# 3058
Delta R.T. 0.001 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27



Tgt Ion:266 Resp: 598
Ion Ratio Lower Upper
266 100
264 59.5 52.2 78.2
268 66.4 48.0 72.0





#15

Phenanthrene

Concen: 0.321 ng/ul

RT: 17.276 min Scan# 3149

Delta R.T. 0.006 min

Lab File: BM042951.D

Acq: 22 Nov 2023 14:27

Instrument :

BNA_M

ClientSampleId :

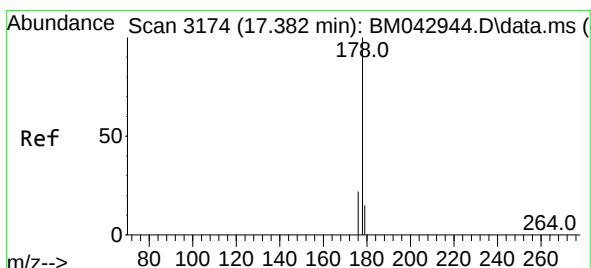
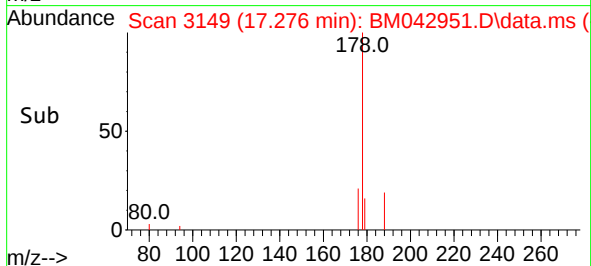
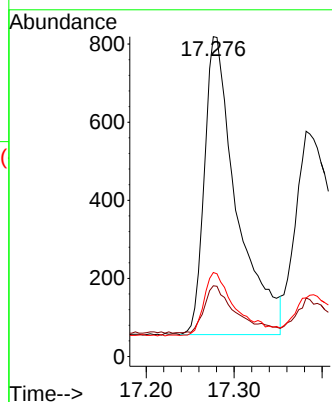
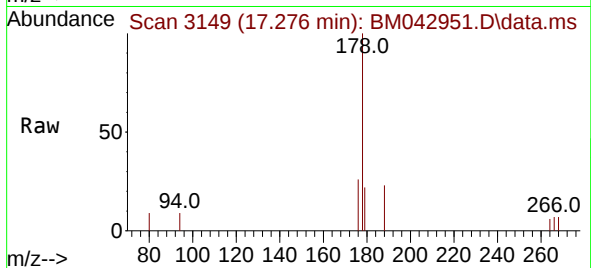
SLCS008

Tgt Ion:	178	Resp:	1940
Ion Ratio	Lower	Upper	
178	100		
179	22.1	14.9	22.3
176	26.3	18.6	27.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023



#16

Anthracene

Concen: 0.304 ng/ul m

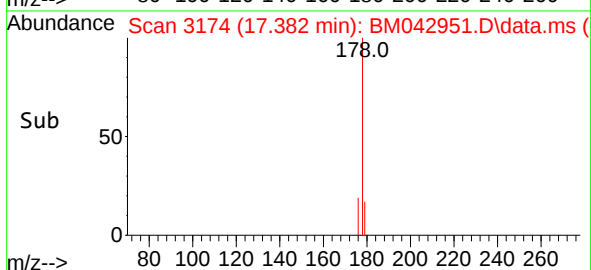
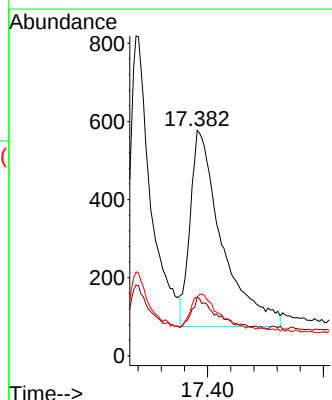
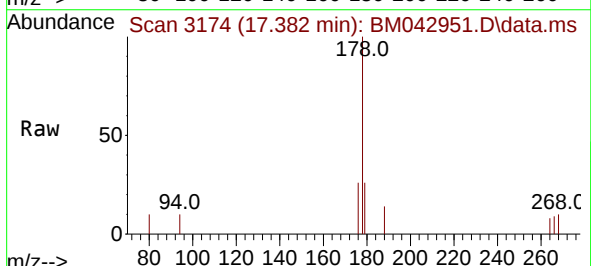
RT: 17.382 min Scan# 3174

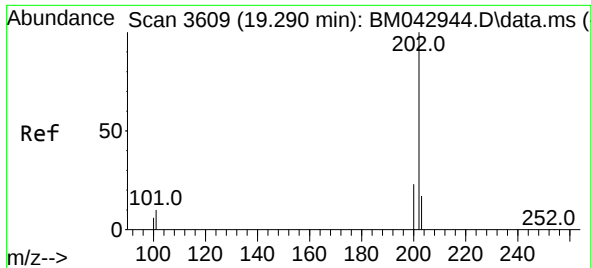
Delta R.T. 0.010 min

Lab File: BM042951.D

Acq: 22 Nov 2023 14:27

Tgt Ion:	178	Resp:	1906
Ion Ratio	Lower	Upper	
178	100		
179	26.0	16.6	24.8#
176	26.0	20.3	30.5





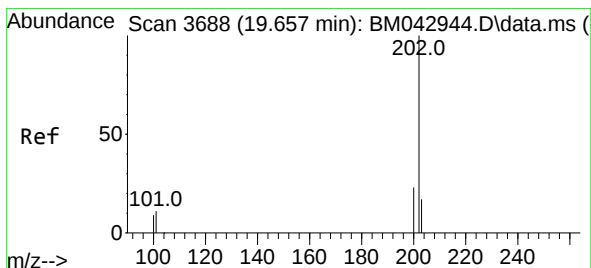
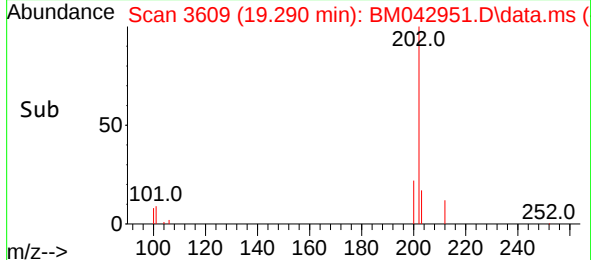
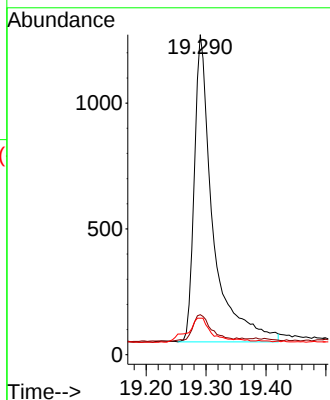
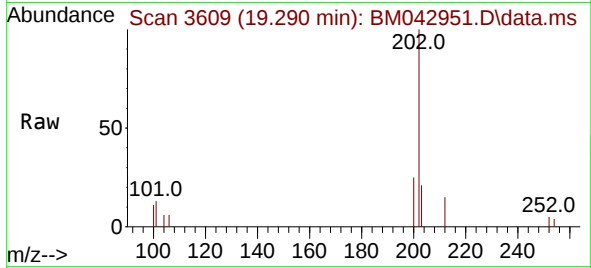
#19
Fluoranthene
Concen: 0.351 ng/u1
RT: 19.290 min Scan# 3609
Delta R.T. 0.006 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27

Instrument :
BNA_M
ClientSampleId :
SLCS008

Tgt Ion:202 Resp: 2630
Ion Ratio Lower Upper
202 100
101 12.5 10.2 15.4
100 11.4 8.2 12.2

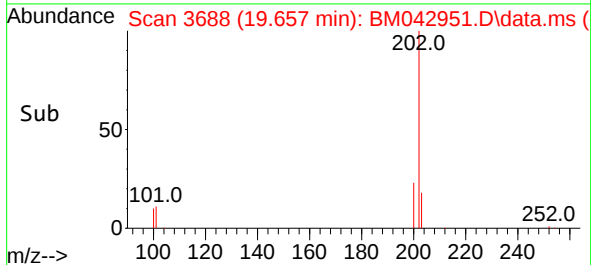
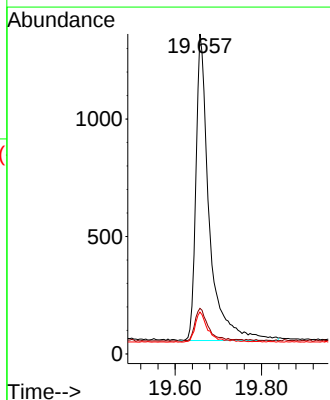
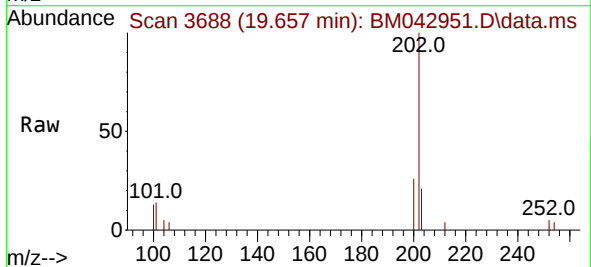
Manual Integrations
APPROVED

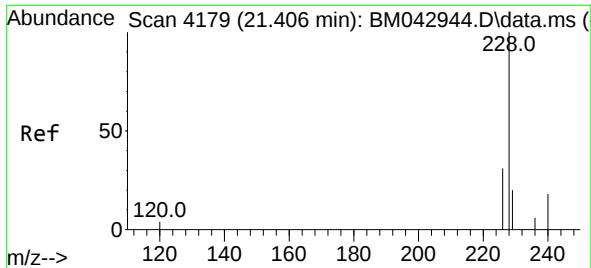
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023



#20
Pyrene
Concen: 0.347 ng/u1
RT: 19.657 min Scan# 3688
Delta R.T. 0.006 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27

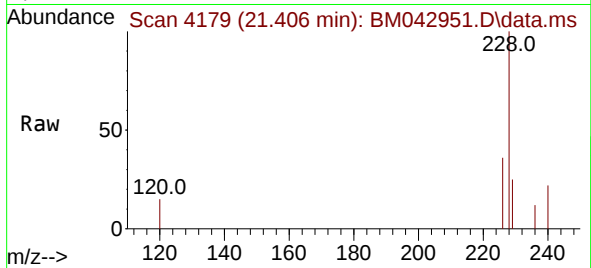
Tgt Ion:202 Resp: 2798
Ion Ratio Lower Upper
202 100
101 14.2 11.2 16.8
100 13.1 10.3 15.5





#21
Benzo(a)anthracene
Concen: 0.309 ng/ul
RT: 21.406 min Scan# 4179
Delta R.T. 0.005 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27

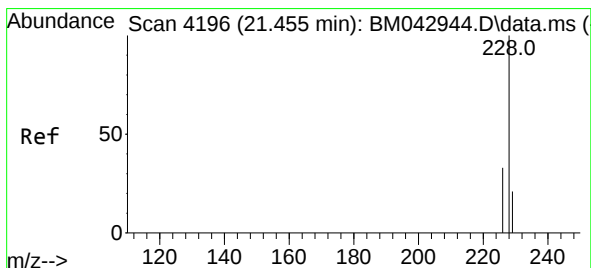
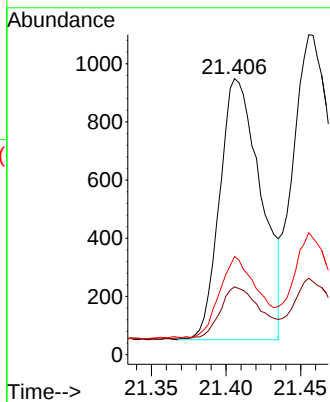
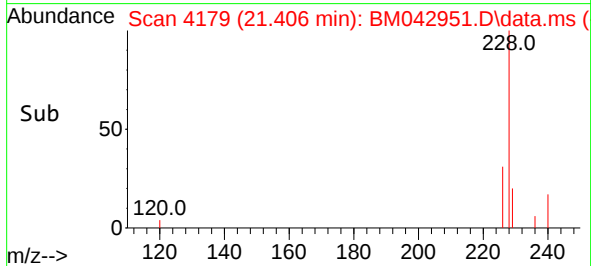
Instrument :
BNA_M
ClientSampleId :
SLCS008



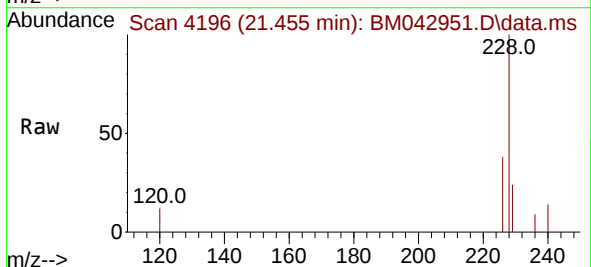
Tgt Ion:228 Resp: 1724
Ion Ratio Lower Upper
228 100
229 24.6 18.6 28.0
226 35.5 26.2 39.2

Manual Integrations
APPROVED

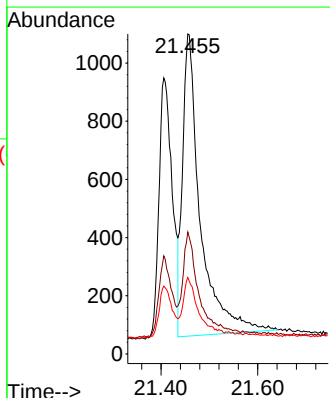
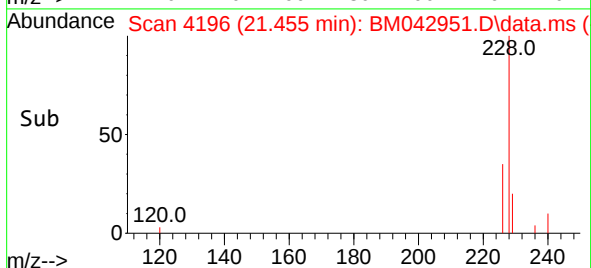
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023

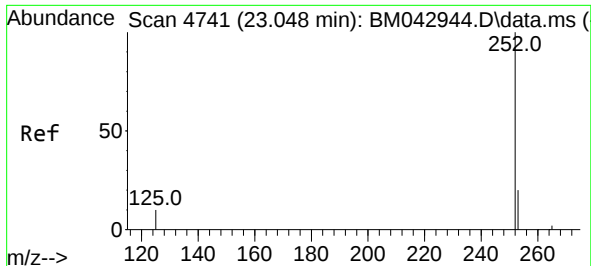


#22
Chrysene
Concen: 0.368 ng/ul
RT: 21.455 min Scan# 4196
Delta R.T. 0.005 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27



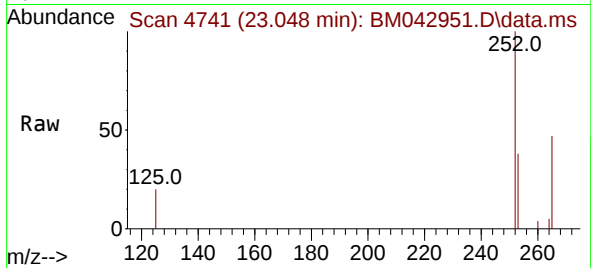
Tgt Ion:228 Resp: 2650
Ion Ratio Lower Upper
228 100
226 38.1 29.2 43.8
229 23.9 19.4 29.2





#24
Benzo(b)fluoranthene
Concen: 0.314 ng/ul
RT: 23.048 min Scan# 4741
Delta R.T. 0.005 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27

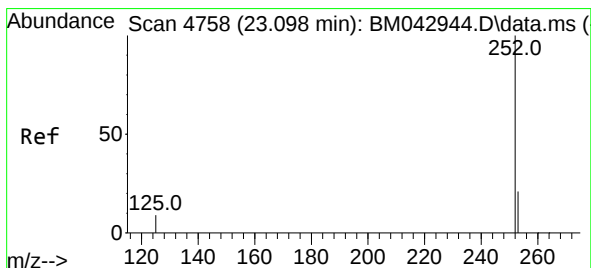
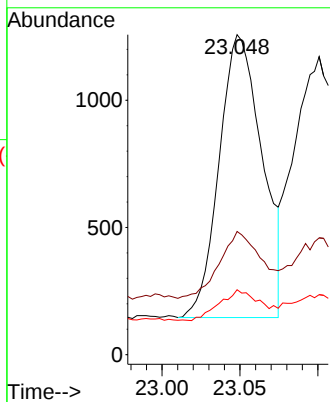
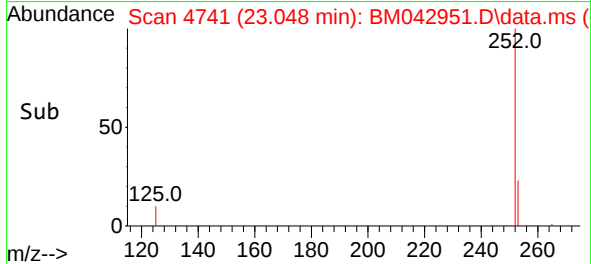
Instrument :
BNA_M
ClientSampleId :
SLCS008



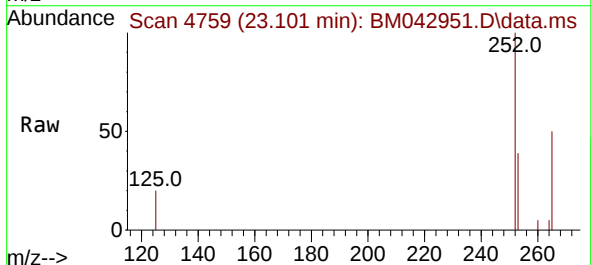
Tgt Ion:252 Resp: 213
Ion Ratio Lower Upper
252 100
253 38.5 0.0 77.4
125 20.3 0.0 42.0

Manual Integrations
APPROVED

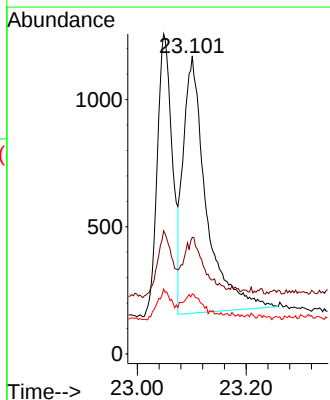
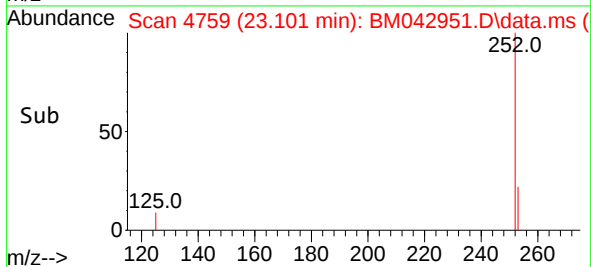
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023

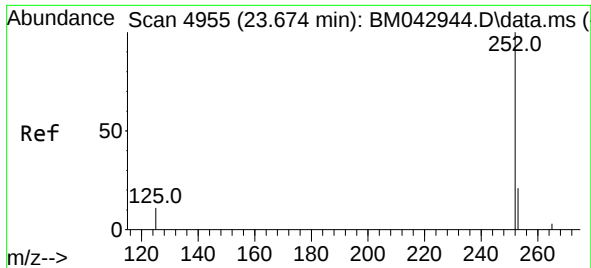


#25
Benzo(k)fluoranthene
Concen: 0.351 ng/ul
RT: 23.101 min Scan# 4759
Delta R.T. 0.011 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27



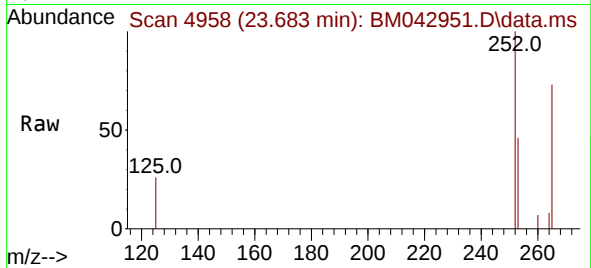
Tgt Ion:252 Resp: 2962
Ion Ratio Lower Upper
252 100
253 39.2 30.5 45.7
125 20.1 17.2 25.8





#26
Benzo(a)pyrene
Concen: 0.332 ng/ul
RT: 23.683 min Scan# 4955
Delta R.T. 0.014 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27

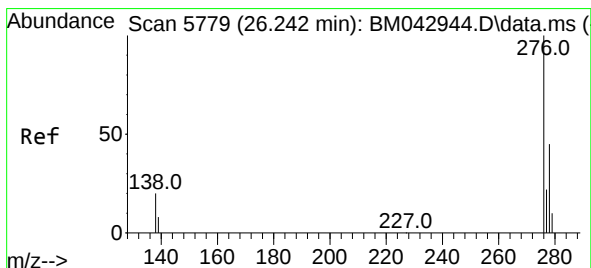
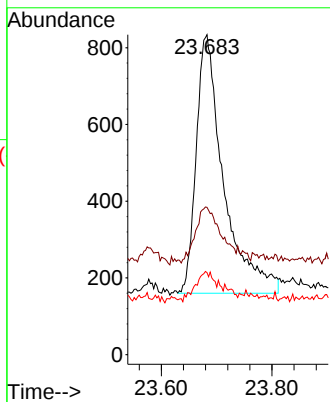
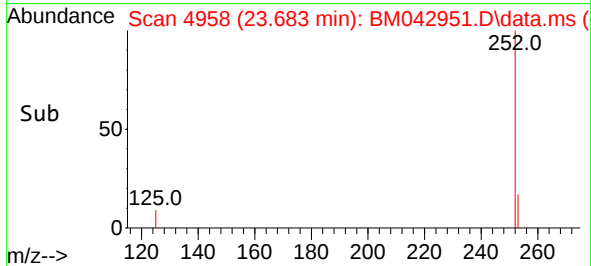
Instrument :
BNA_M
ClientSampleId :
SLCS008



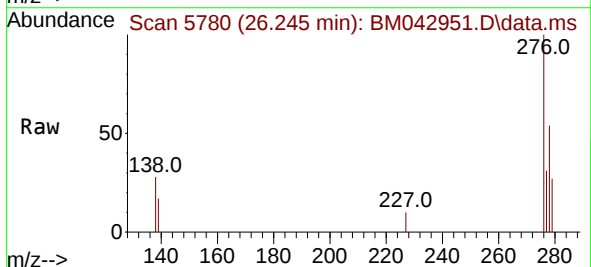
Tgt Ion:252 Resp: 2312
Ion Ratio Lower Upper
252 100
253 46.0 35.1 52.7
125 25.7 21.2 31.8

Manual Integrations
APPROVED

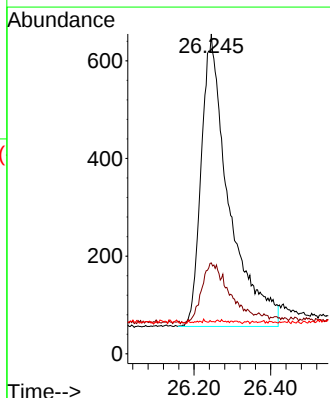
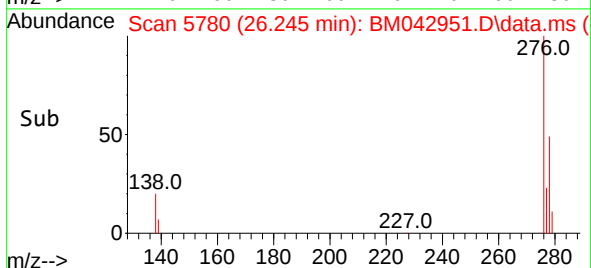
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023

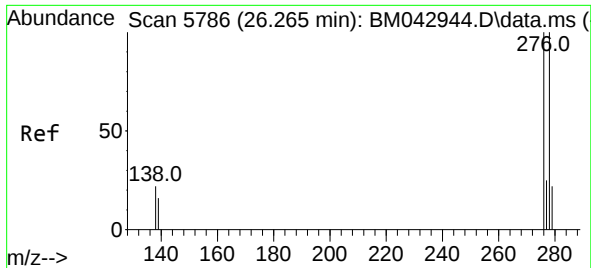


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.321 ng/ul
RT: 26.245 min Scan# 5780
Delta R.T. 0.016 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27



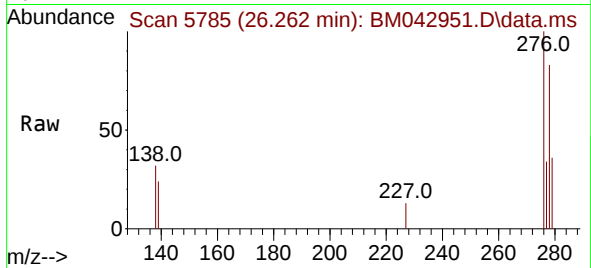
Tgt Ion:276 Resp: 2993
Ion Ratio Lower Upper
276 100
138 22.6 19.5 29.3
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.319 ng/ul
RT: 26.262 min Scan# 5785
Delta R.T. 0.020 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27

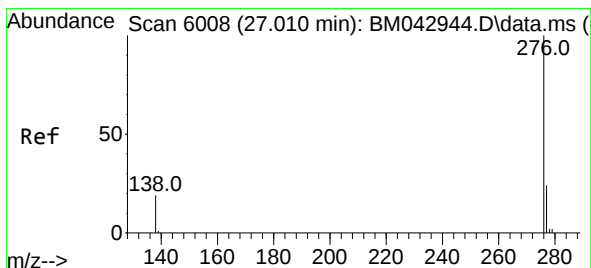
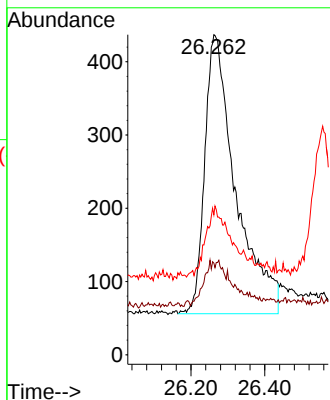
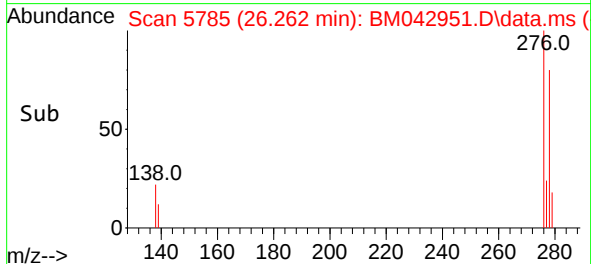
Instrument :
BNA_M
ClientSampleId :
SLCS008



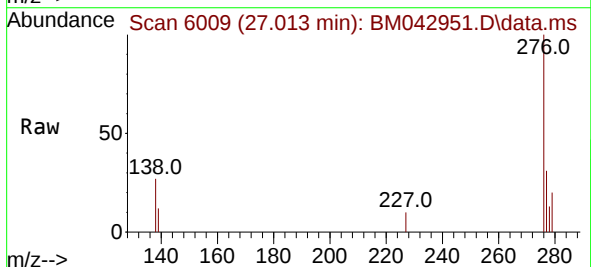
Tgt Ion: 278 Resp: 221
Ion Ratio Lower Upper
278 100
139 28.6 21.8 32.6
279 43.7 33.4 50.0

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 11/25/2023
Supervised By : mohammad ahmed 11/25/2023



#29
Benzo(g,h,i)perylene
Concen: 0.333 ng/ul
RT: 27.013 min Scan# 6009
Delta R.T. 0.016 min
Lab File: BM042951.D
Acq: 22 Nov 2023 14:27



Tgt Ion: 276 Resp: 2638
Ion Ratio Lower Upper
276 100
138 27.4 22.2 33.4
277 31.1 25.9 38.9

