

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
 Data File : BM043269.D
 Acq On : 12 Dec 2023 18:23
 Operator : MA/JU
 Sample : 05673-03MSD
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHEH8MSD

Manual Integrations
 APPROVED

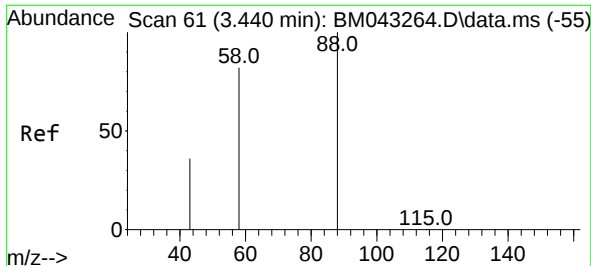
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 12 22:52:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 16:25:39 2023
 Response via : Initial Calibration

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

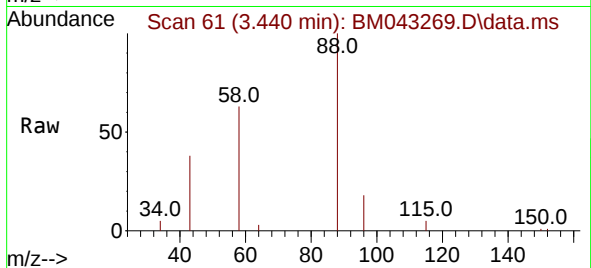
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.005	152	18140	0.400	ng/ul	0.00
4) Naphthalene-d8	10.812	136	59541	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.629	164	32380	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.367	188	65103	0.400	ng/ul	0.00
17) Chrysene-d12	21.536	240	39421	0.400	ng/ul	0.00
23) Perylene-d12	23.953	264	38251	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.406	96	3049	0.133	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.390	152	14033	0.166	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	32921	0.234	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.440	88	9506	0.414	ng/ul	91
5) Naphthalene	10.861	128	36836	0.206	ng/ul	99
7) 2-Methylnaphthalene	12.467	142	20149	0.174	ng/ul	100
8) 1-Methylnaphthalene	12.682	142	19353	0.167	ng/ul	100
10) Acenaphthylene	14.351	152	32943	0.185	ng/ul	99
11) Acenaphthene	14.689	153	24171	0.186	ng/ul	99
12) Fluorene	15.675	166	28719	0.195	ng/ul	98
14) Pentachlorophenol	17.012	266	8623	0.598	ng/ul	98
15) Phenanthrene	17.409	178	48759	0.225	ng/ul	100
16) Anthracene	17.497	178	43774	0.222	ng/ul	99
19) Fluoranthene	19.417	202	50212	0.226	ng/ul	97
20) Pyrene	19.775	202	52215	0.237	ng/ul	98
21) Benzo(a)anthracene	21.518	228	41852	0.242	ng/ul	99
22) Chrysene	21.571	228	41828	0.229	ng/ul	99
24) Benzo(b)fluoranthene	23.213	252	39885	0.230	ng/ul	98
25) Benzo(k)fluoranthene	23.263	252	40177m	0.223	ng/ul	
26) Benzo(a)pyrene	23.842	252	33220	0.232	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.465	276	37315	0.229	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.499	278	29843	0.231	ng/ul	99
29) Benzo(g,h,i)perylene	27.233	276	31021	0.223	ng/ul	100

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



#2
1,4-Dioxane
Concen: 0.414 ng/ul
RT: 3.440 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

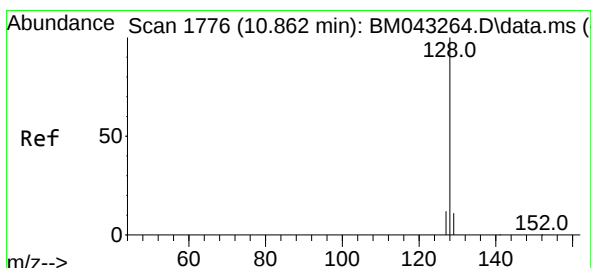
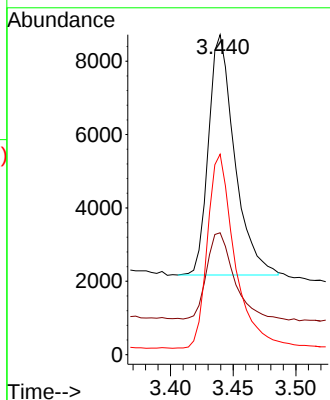
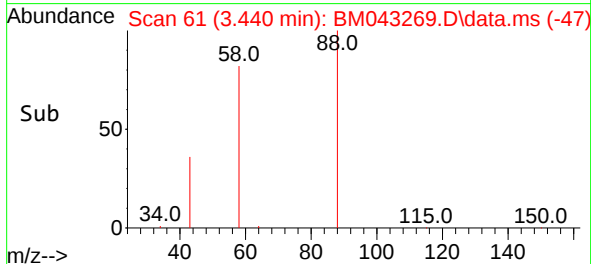
Instrument :
BNA_M
ClientSampleId :
BHEH8MSD



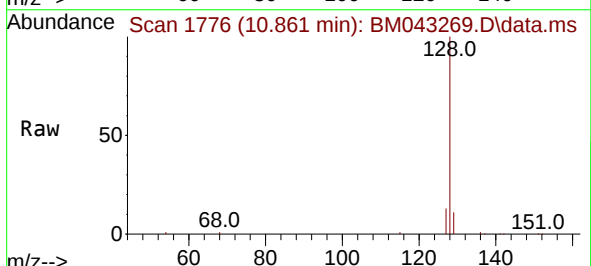
Tgt Ion: 88 Resp: 9500
Ion Ratio Lower Upper
88 100
43 38.1 27.9 41.9
58 62.7 43.4 65.2

Manual Integrations
APPROVED

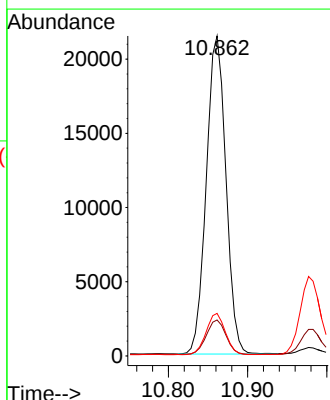
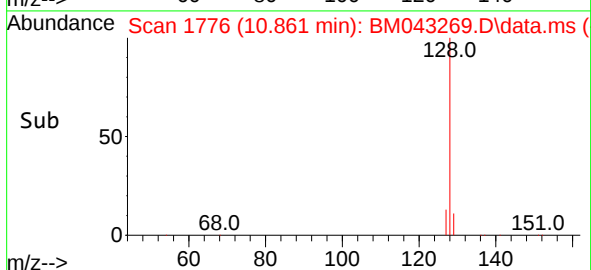
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

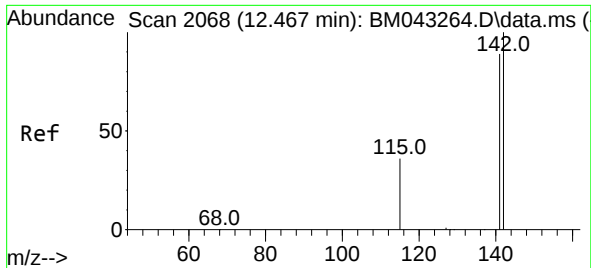


#5
Naphthalene
Concen: 0.206 ng/ul
RT: 10.861 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23



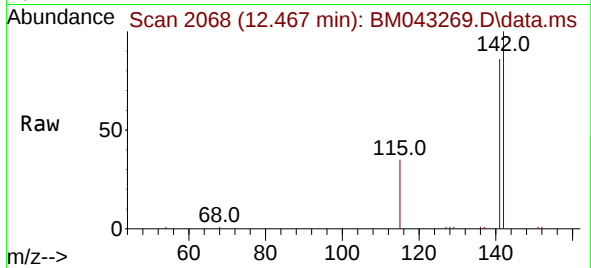
Tgt Ion:128 Resp: 36836
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.3 10.3 15.5





#7
2-Methylnaphthalene
Concen: 0.174 ng/ul
RT: 12.467 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

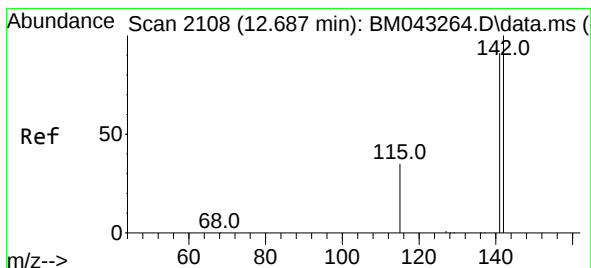
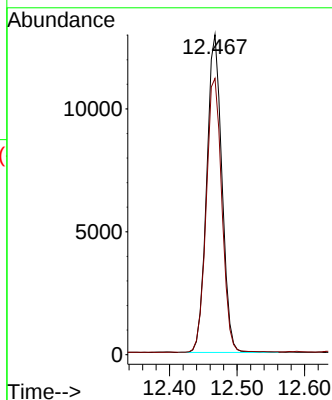
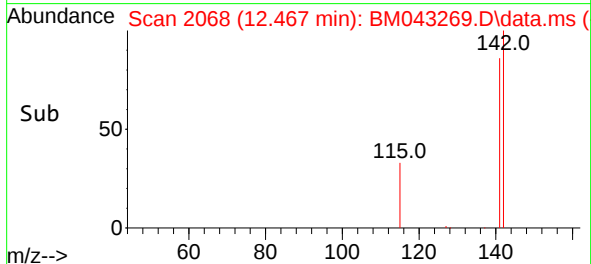
Instrument :
BNA_M
ClientSampleId :
BHEH8MSD



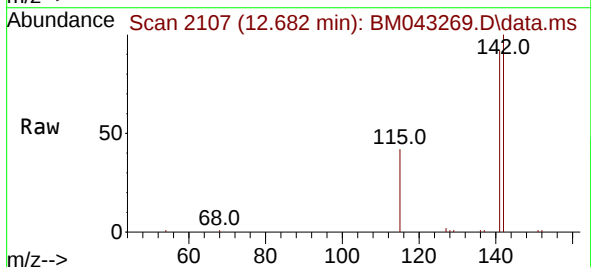
Tgt Ion:142 Resp: 20149
Ion Ratio Lower Upper
142 100
141 88.9 70.9 106.3

Manual Integrations
APPROVED

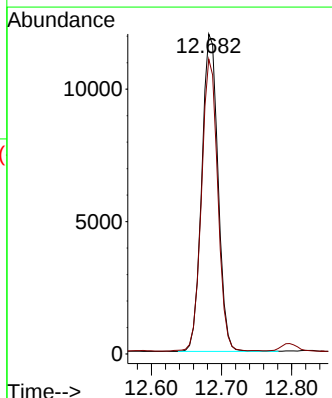
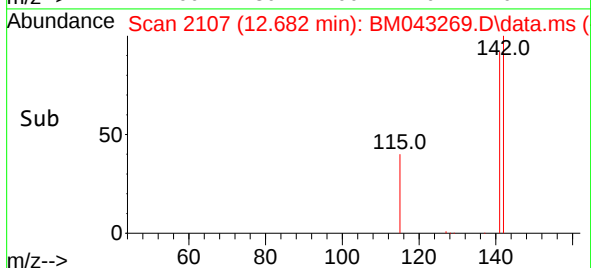
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

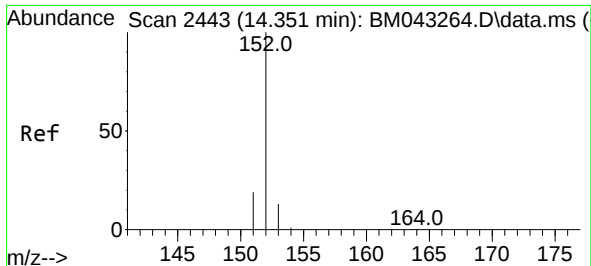


#8
1-Methylnaphthalene
Concen: 0.167 ng/ul
RT: 12.682 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23



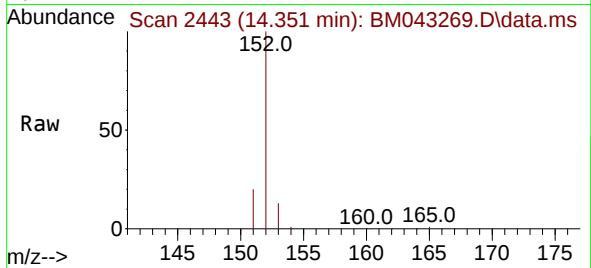
Tgt Ion:142 Resp: 19353
Ion Ratio Lower Upper
142 100
141 91.9 73.7 110.5





#10
Acenaphthylene
Concen: 0.185 ng/ul
RT: 14.351 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

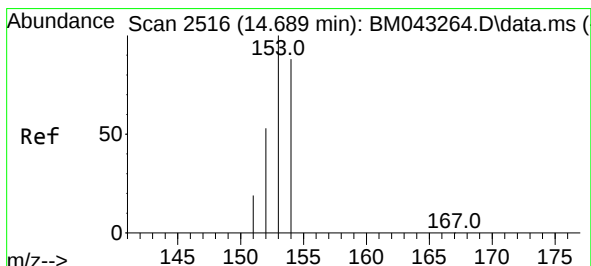
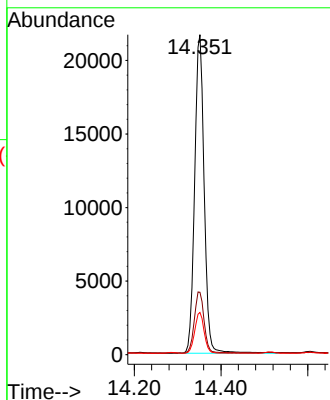
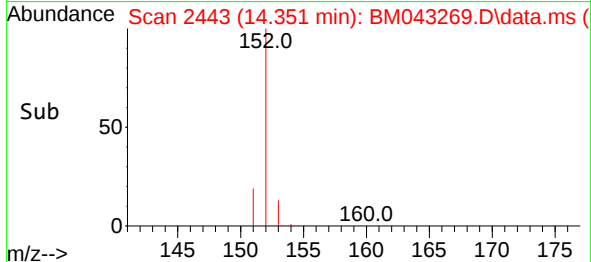
Instrument :
BNA_M
ClientSampleId :
BHEH8MSD



Tgt Ion:152 Resp: 3294
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.2
153 13.2 10.4 15.6

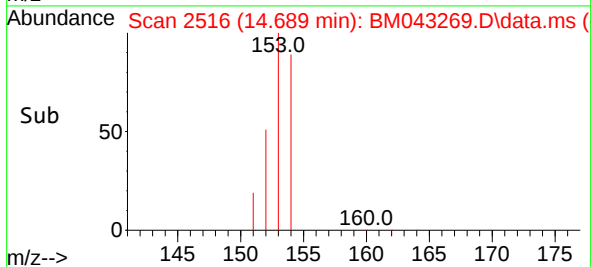
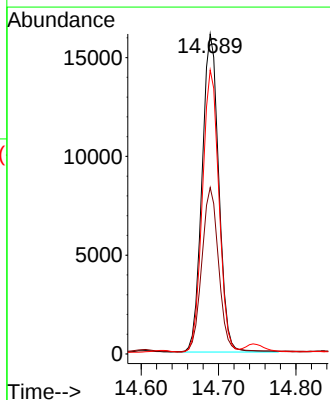
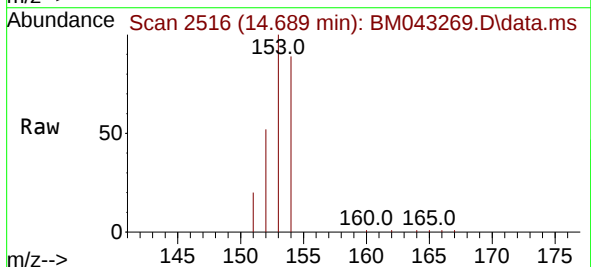
Manual Integrations
APPROVED

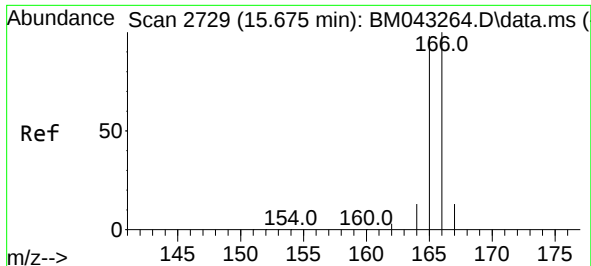
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#11
Acenaphthene
Concen: 0.186 ng/ul
RT: 14.689 min Scan# 2516
Delta R.T. -0.005 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

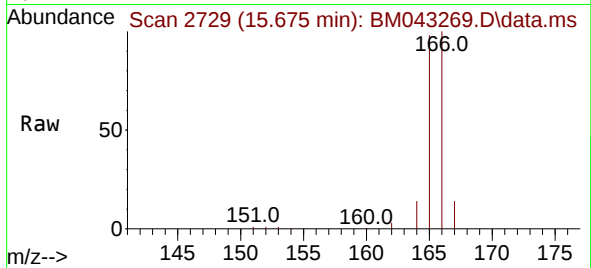
Tgt Ion:153 Resp: 24171
Ion Ratio Lower Upper
153 100
152 52.0 42.1 63.1
154 88.8 71.3 106.9





#12
Fluorene
Concen: 0.195 ng/ul
RT: 15.675 min Scan# 2729
Delta R.T. -0.000 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

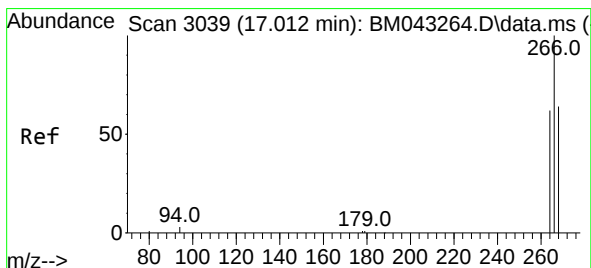
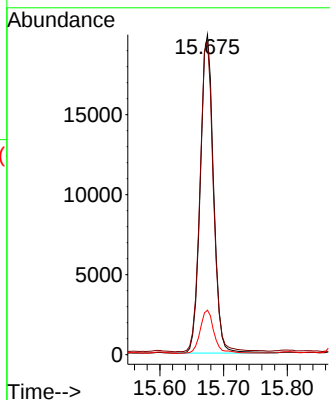
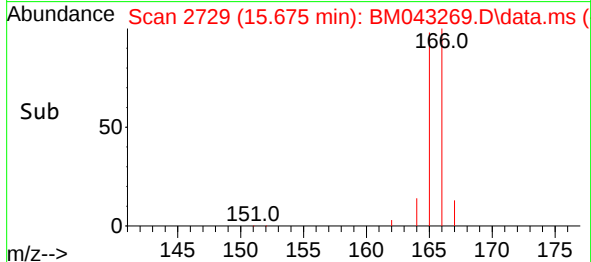
Instrument :
BNA_M
ClientSampleId :
BHEH8MSD



Tgt Ion:166 Resp: 28719
Ion Ratio Lower Upper
166 100
165 98.1 80.3 120.5
167 13.9 10.8 16.2

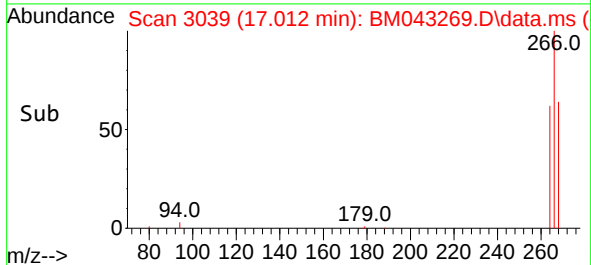
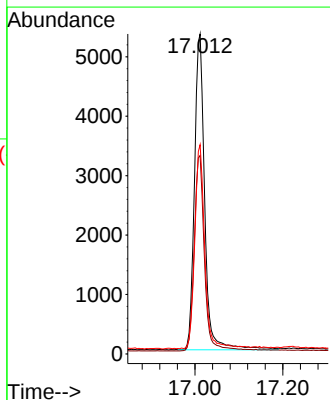
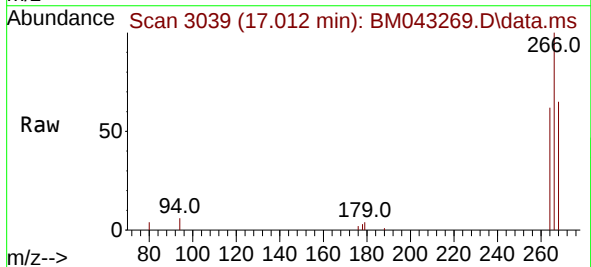
Manual Integrations
APPROVED

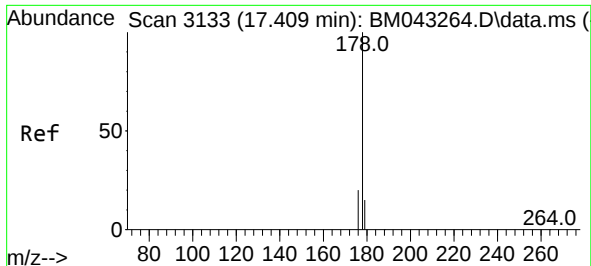
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#14
Pentachlorophenol
Concen: 0.598 ng/ul
RT: 17.012 min Scan# 3039
Delta R.T. -0.000 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

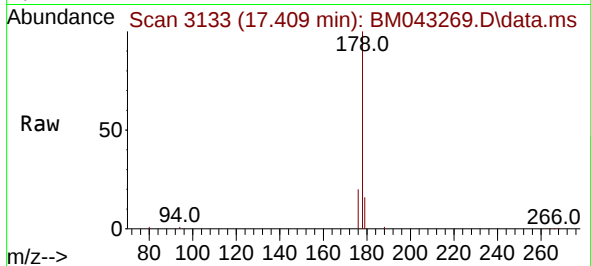
Tgt Ion:266 Resp: 8623
Ion Ratio Lower Upper
266 100
264 62.2 51.7 77.5
268 64.2 51.9 77.9





#15
Phenanthrene
Concen: 0.225 ng/u1
RT: 17.409 min Scan# 3133
Delta R.T. -0.000 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

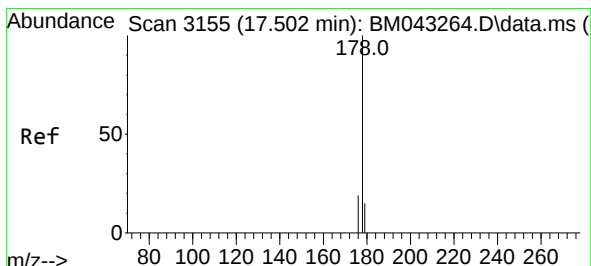
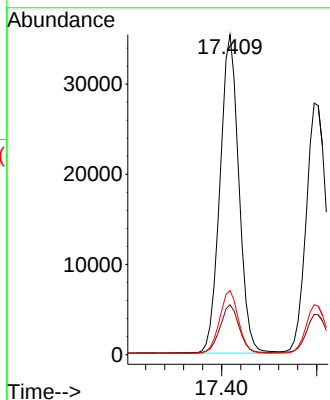
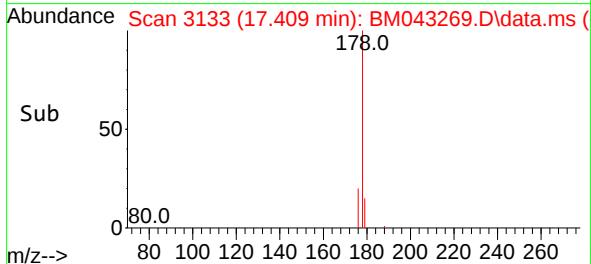
Instrument :
BNA_M
ClientSampleId :
BHEH8MSD



Tgt Ion:178 Resp: 48759
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 20.1 16.2 24.2

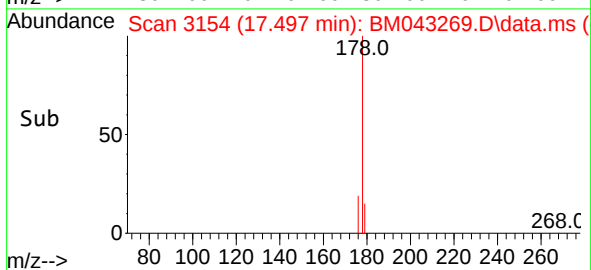
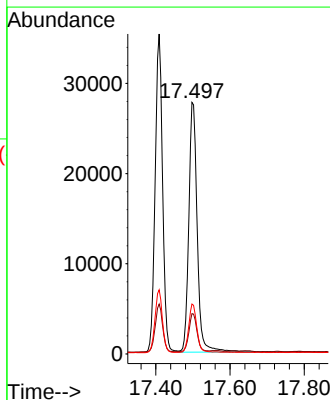
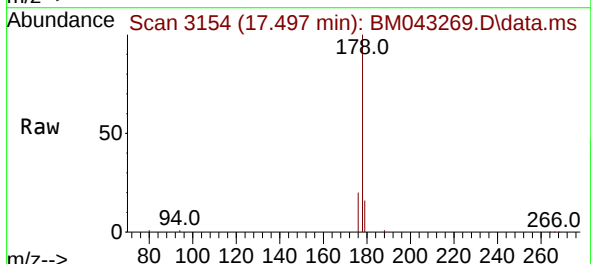
Manual Integrations
APPROVED

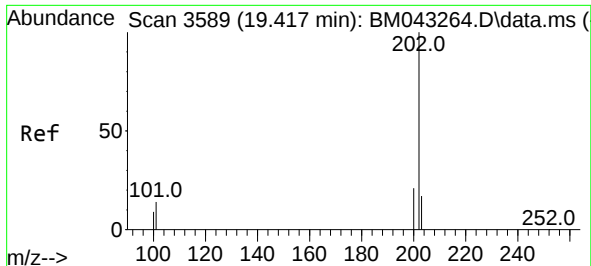
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#16
Anthracene
Concen: 0.222 ng/u1
RT: 17.497 min Scan# 3154
Delta R.T. -0.004 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

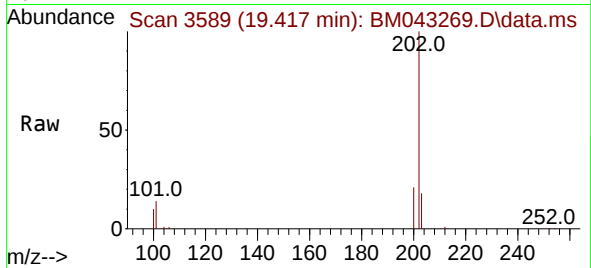
Tgt Ion:178 Resp: 43774
Ion Ratio Lower Upper
178 100
179 16.0 12.6 18.8
176 19.8 15.6 23.4





#19
Fluoranthene
Concen: 0.226 ng/u1
RT: 19.417 min Scan# 3589
Delta R.T. -0.000 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

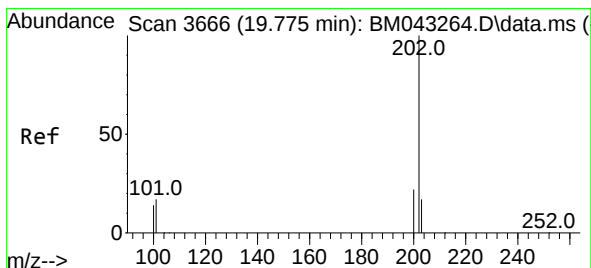
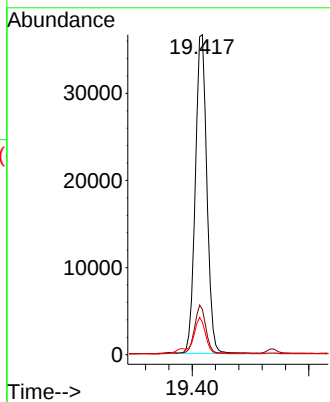
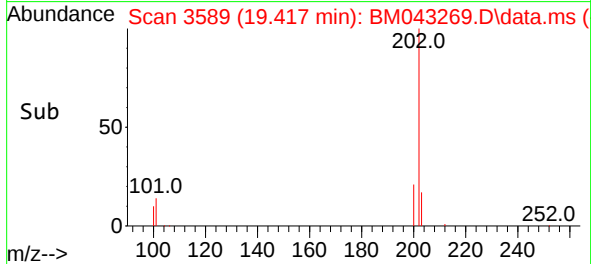
Instrument :
BNA_M
ClientSampleId :
BHEH8MSD



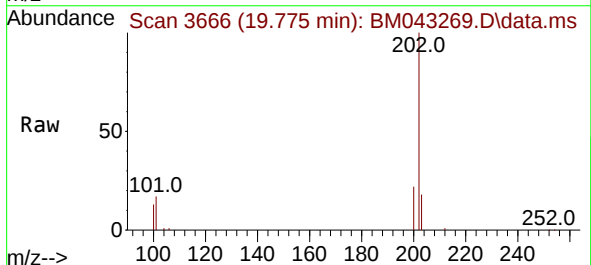
Tgt Ion:202 Resp: 50215
Ion Ratio Lower Upper
202 100
101 14.2 10.1 15.1
100 10.2 7.4 11.2

Manual Integrations
APPROVED

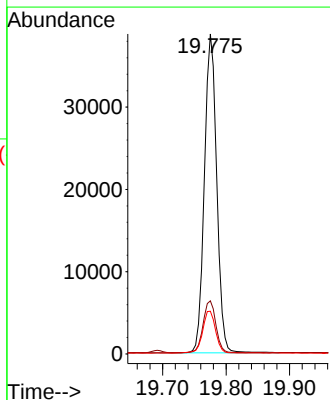
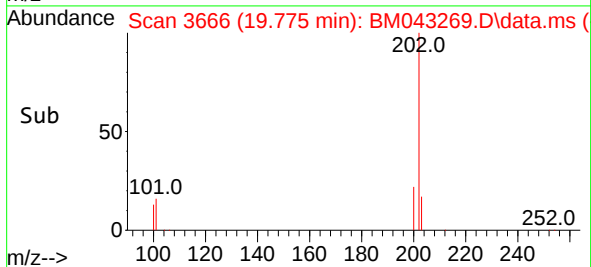
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

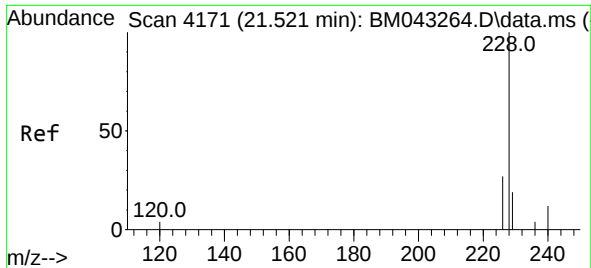


#20
Pyrene
Concen: 0.237 ng/u1
RT: 19.775 min Scan# 3666
Delta R.T. -0.000 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23



Tgt Ion:202 Resp: 52215
Ion Ratio Lower Upper
202 100
101 16.6 12.7 19.1
100 13.4 9.8 14.8





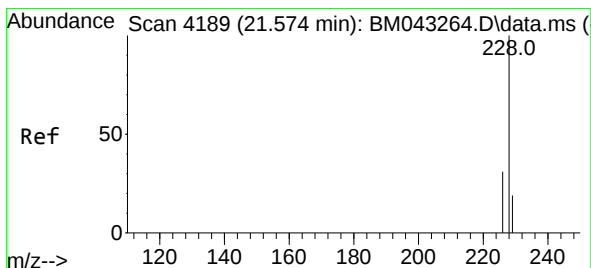
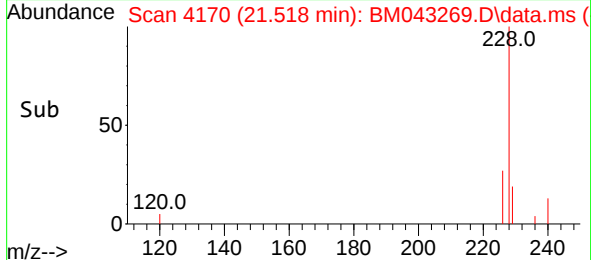
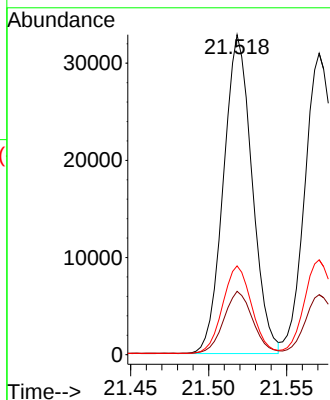
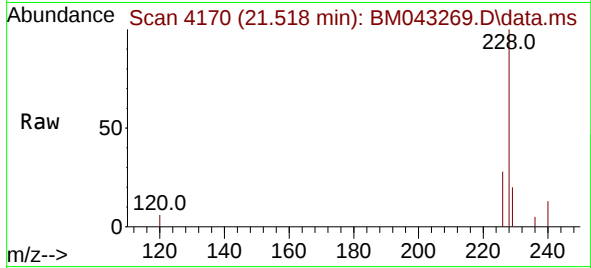
#21
Benzo(a)anthracene
Concen: 0.242 ng/ul
RT: 21.518 min Scan# 4170
Delta R.T. -0.000 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

Instrument :
BNA_M
ClientSampleId :
BHEH8MSD

Tgt Ion:228 Resp: 4185
Ion Ratio Lower Upper
228 100
229 19.8 15.5 23.3
226 27.8 22.6 34.0

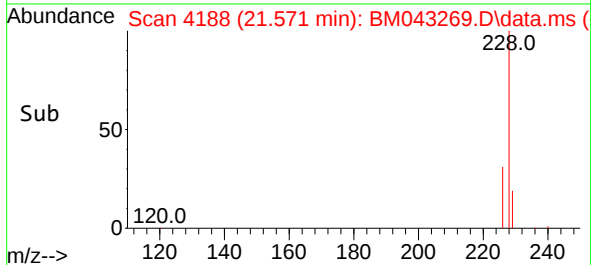
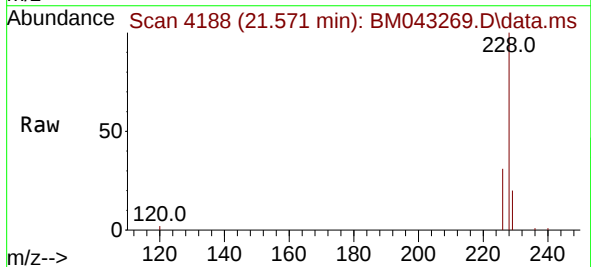
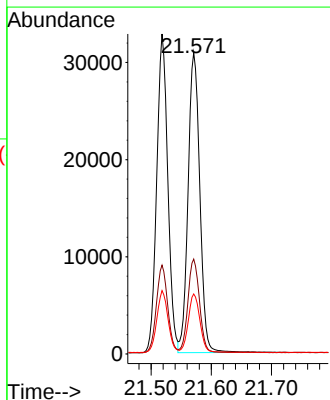
Manual Integrations
APPROVED

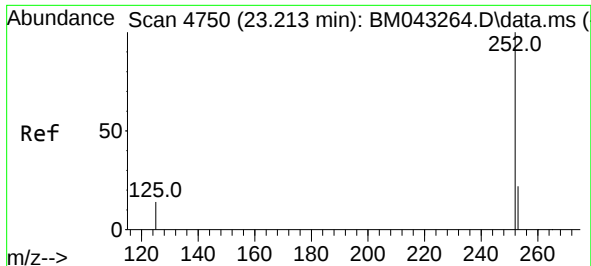
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#22
Chrysene
Concen: 0.229 ng/ul
RT: 21.571 min Scan# 4188
Delta R.T. -0.000 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

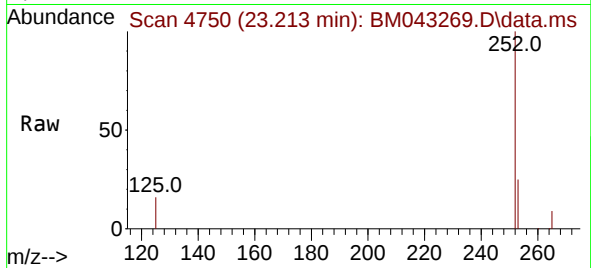
Tgt Ion:228 Resp: 41828
Ion Ratio Lower Upper
228 100
226 31.5 24.8 37.2
229 19.9 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 0.230 ng/ul
RT: 23.213 min Scan# 4750
Delta R.T. -0.000 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

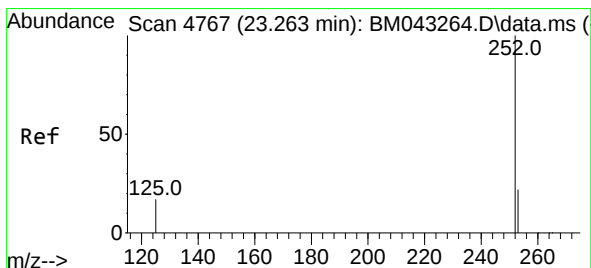
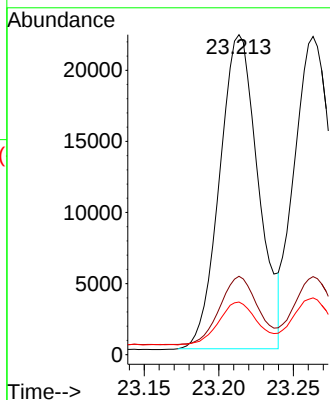
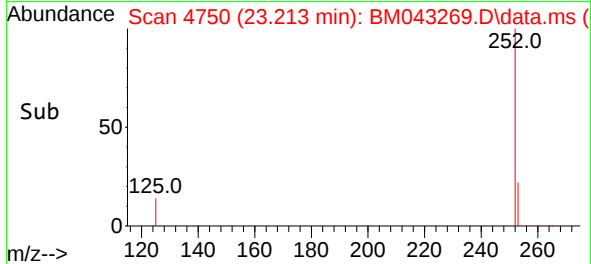
Instrument :
BNA_M
ClientSampleId :
BHEH8MSD



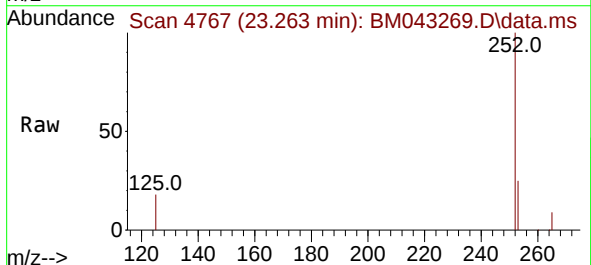
Tgt Ion:252 Resp: 3988
Ion Ratio Lower Upper
252 100
253 24.5 0.0 48.8
125 16.4 0.0 29.2

Manual Integrations
APPROVED

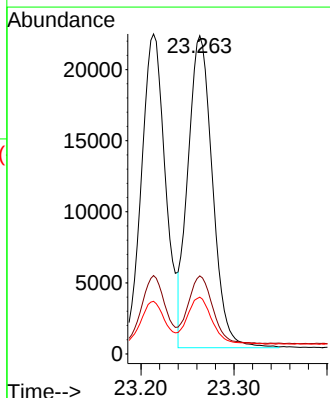
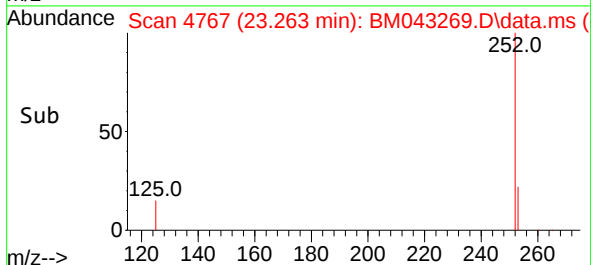
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

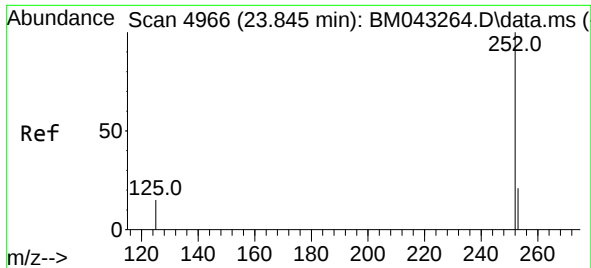


#25
Benzo(k)fluoranthene
Concen: 0.223 ng/ul m
RT: 23.263 min Scan# 4767
Delta R.T. -0.000 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23



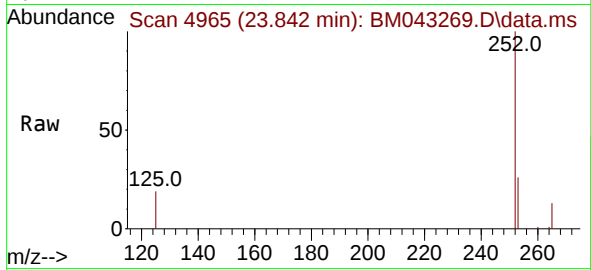
Tgt Ion:252 Resp: 40177
Ion Ratio Lower Upper
252 100
253 24.5 18.6 28.0
125 17.9 11.8 17.8#





#26
Benzo(a)pyrene
Concen: 0.232 ng/ul
RT: 23.842 min Scan# 4966
Delta R.T. -0.003 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

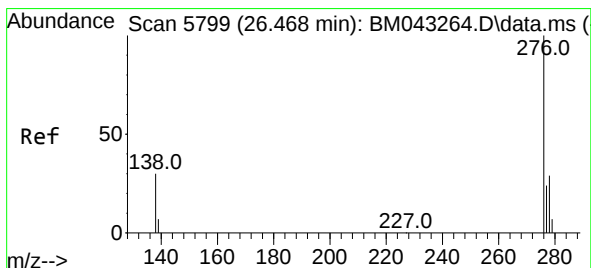
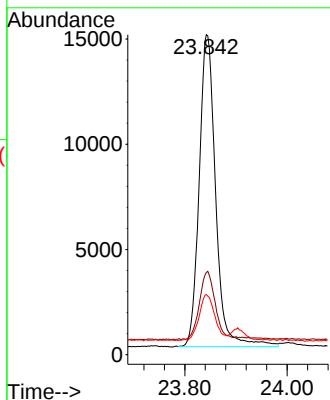
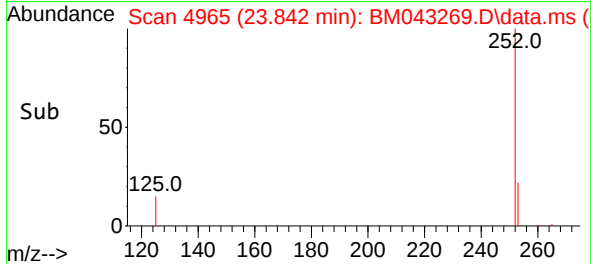
Instrument :
BNA_M
ClientSampleId :
BHEH8MSD



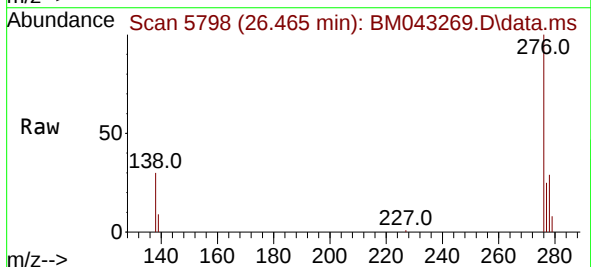
Tgt Ion:252 Resp: 33220
Ion Ratio Lower Upper
252 100
253 25.7 20.2 30.2
125 18.8 13.5 20.3

Manual Integrations
APPROVED

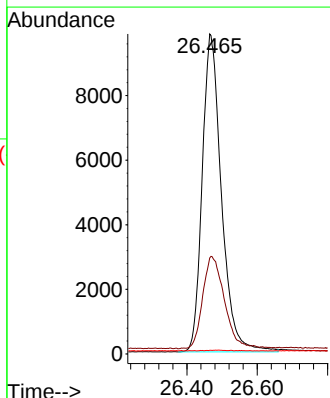
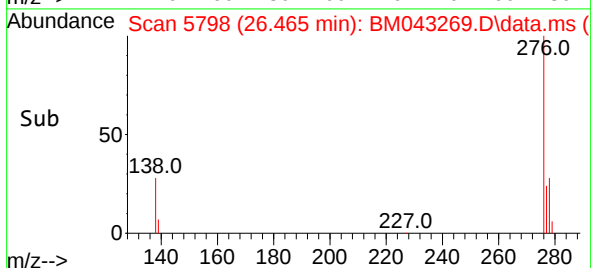
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

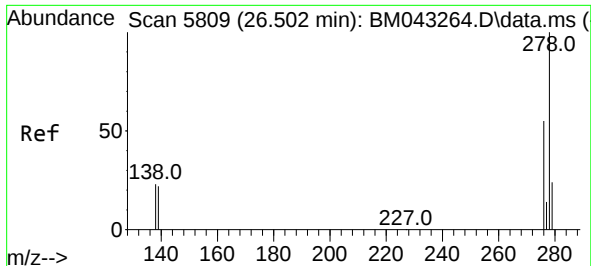


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.229 ng/ul
RT: 26.465 min Scan# 5798
Delta R.T. -0.006 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23



Tgt Ion:276 Resp: 37315
Ion Ratio Lower Upper
276 100
138 32.9 24.6 36.8
227 0.2 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.231 ng/ul
RT: 26.499 min Scan# 5809
Delta R.T. -0.003 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

Instrument :

BNA_M

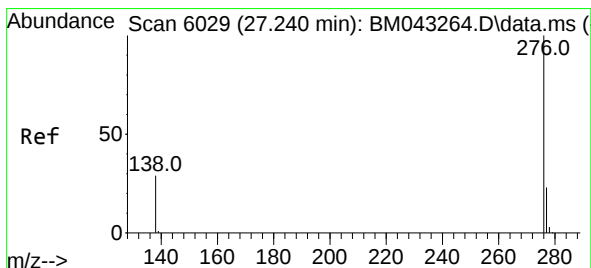
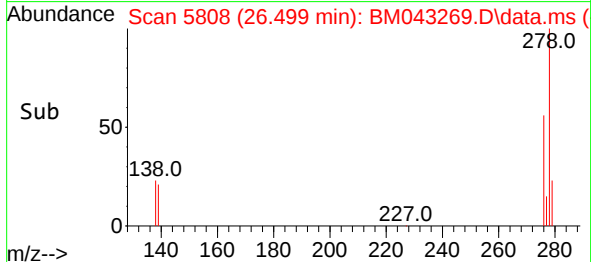
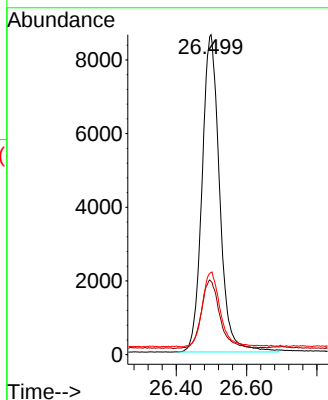
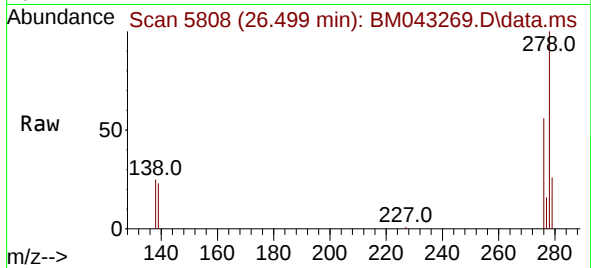
ClientSampleId :

BHEH8MSD

Tgt Ion:278 Resp: 2984
Ion Ratio Lower Upper
278 100
139 22.9 17.4 26.2
279 25.7 20.9 31.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#29
Benzo(g,h,i)perylene
Concen: 0.223 ng/ul
RT: 27.233 min Scan# 6027
Delta R.T. -0.006 min
Lab File: BM043269.D
Acq: 12 Dec 2023 18:23

Tgt Ion:276 Resp: 31021
Ion Ratio Lower Upper
276 100
138 29.0 23.1 34.7
277 24.1 19.4 29.0

