

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
 Data File : BM042526.D
 Acq On : 01 Nov 2023 00:24
 Operator : MA/JU
 Sample : 04938-07 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A-4(0-2)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

Quant Time: Nov 01 01:52:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 02:55:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	71045	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	259003	20.000	ng	-0.01
39) Acenaphthene-d10	14.569	164	153292	20.000	ng	-0.01
64) Phenanthrene-d10	17.321	188	333351	20.000	ng	0.00
76) Chrysene-d12	21.503	240	355329	20.000	ng	0.00
86) Perylene-d12	23.927	264	409649	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	49136	11.162	ng	0.00
7) Phenol-d6	7.093	99	59839	9.911	ng	0.00
23) Nitrobenzene-d5	9.122	82	40755	7.335	ng	-0.01
42) 2,4,6-Tribromophenol	16.069	330	21023	10.504	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	70684	6.205	ng	0.00
79) Terphenyl-d14	19.939	244	99167	4.732	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	14.039	163	73730	6.435	ng	98
71) Phenanthrene	17.368	178	230749	13.246	ng	99
72) Anthracene	17.457	178	44494	2.579	ng	97
73) Carbazole	17.745	167	30116	2.145	ng	97
75) Fluoranthene	19.380	202	525581	25.684	ng	99
78) Pyrene	19.745	202	461897	18.931	ng	99
81) Benzo(a)anthracene	21.486	228	232228	10.272	ng	99
83) Chrysene	21.545	228	220419m	9.598	ng	
87) Indeno(1,2,3-cd)pyrene	26.450	276	177688	7.288	ng	# 92
88) Benzo(b)fluoranthene	23.180	252	321398	14.083	ng	97
89) Benzo(k)fluoranthene	23.221	252	123004m	4.837	ng	
90) Benzo(a)pyrene	23.815	252	220402	9.809	ng	96
91) Dibenzo(a,h)anthracene	26.456	278	37219	5.649	ng	# 95
92) Benzo(g,h,i)perylene	27.244	276	193667	9.013	ng	97

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

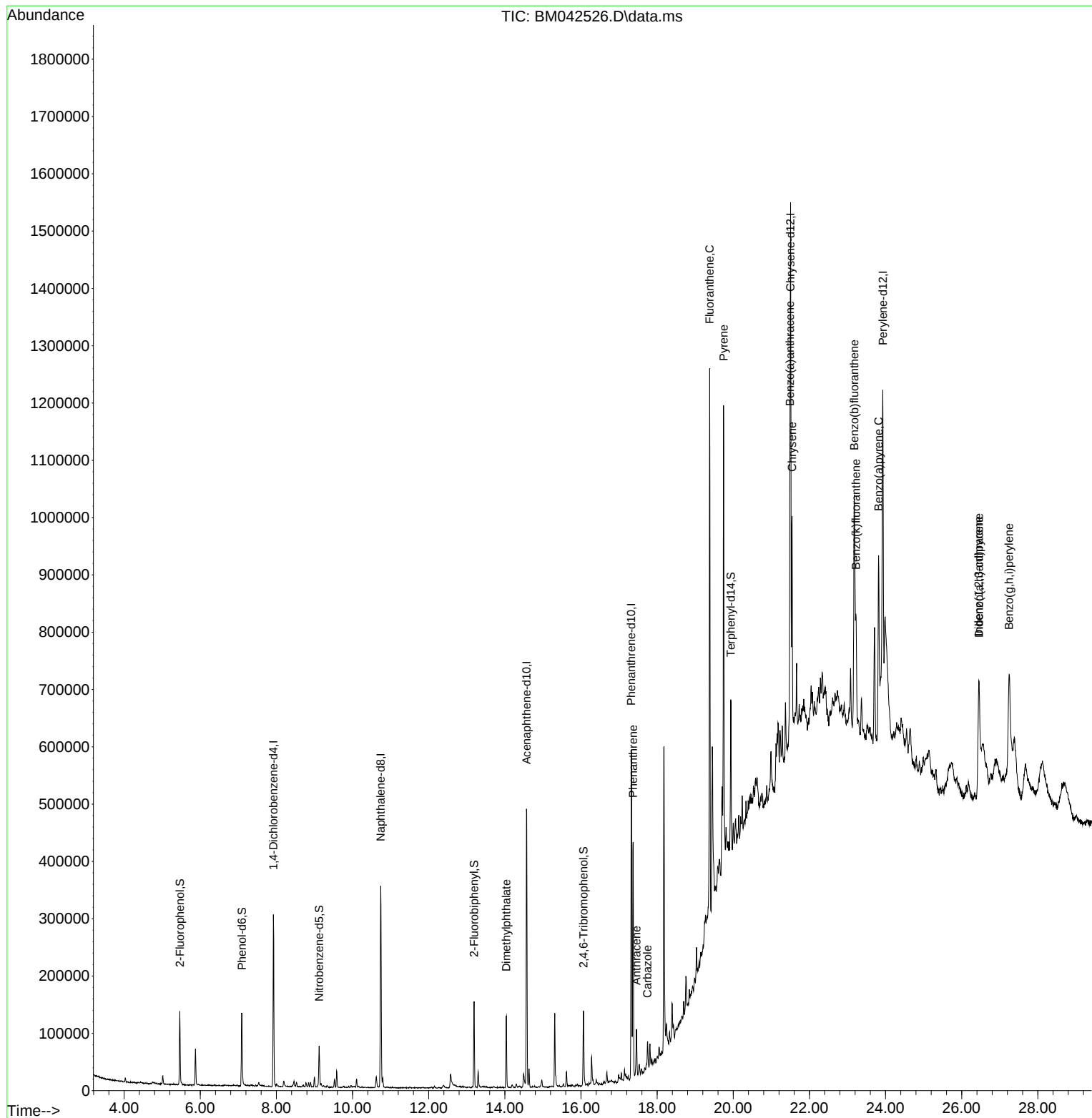
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042526.D
Acq On : 01 Nov 2023 00:24
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ALS Vial : 15 Sample Multiplier: 1

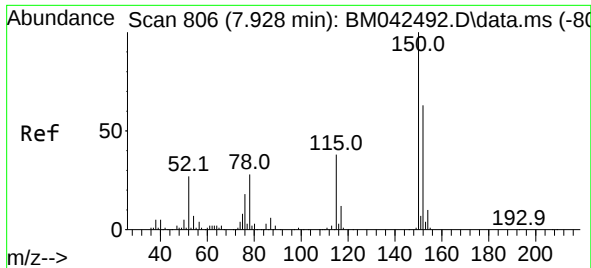
Instrument :
BNA_M
ClientSampleId :
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Quant Time: Nov 01 01:52:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
Response via : Initial Calibration

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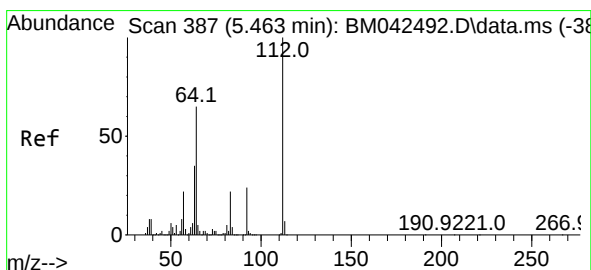
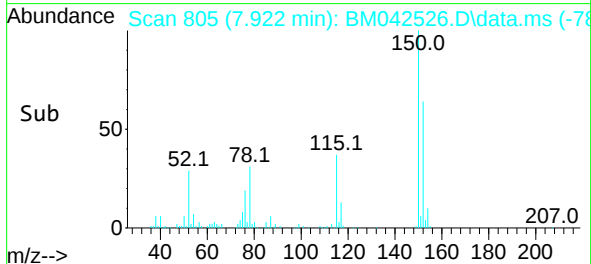
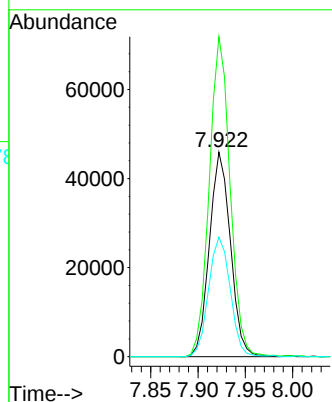
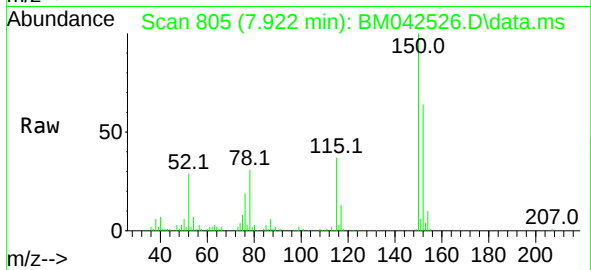
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Instrument :
BNA_M
ClientSampleId :
A-4(0-2)

Tgt Ion:152 Resp: 71045
Ion Ratio Lower Upper
152 100
150 156.5 127.4 191.0
115 58.5 47.9 71.9

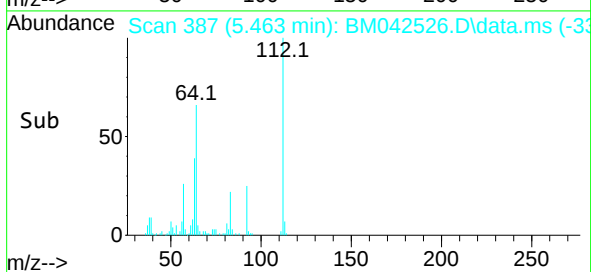
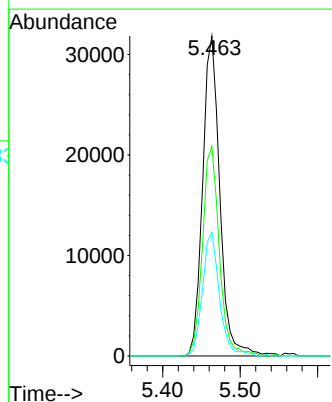
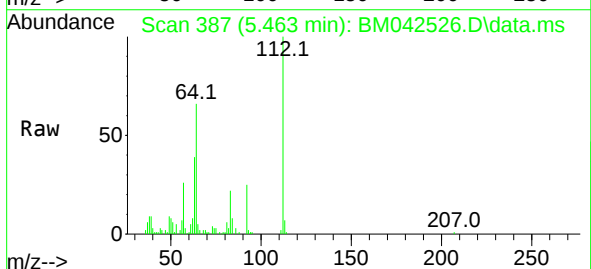
Manual Integrations
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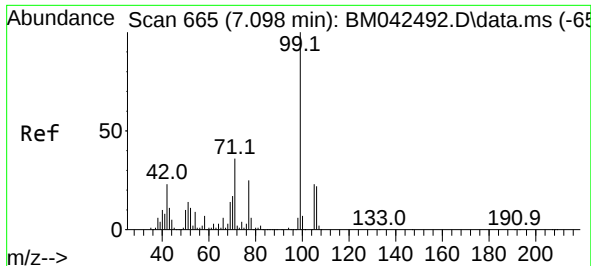
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#5
2-Fluorophenol
Concen: 11.162 ng
RT: 5.463 min Scan# 387
Delta R.T. 0.000 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Tgt Ion:112 Resp: 49136
Ion Ratio Lower Upper
112 100
64 65.5 52.1 78.1
63 38.6 28.3 42.5





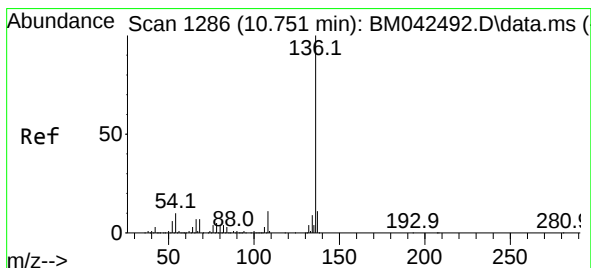
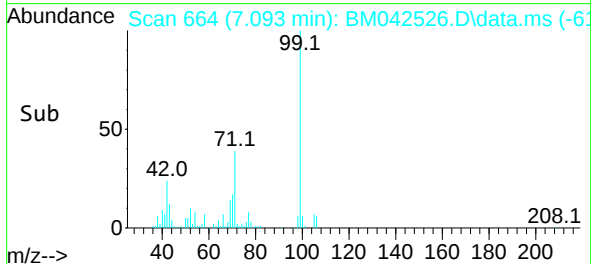
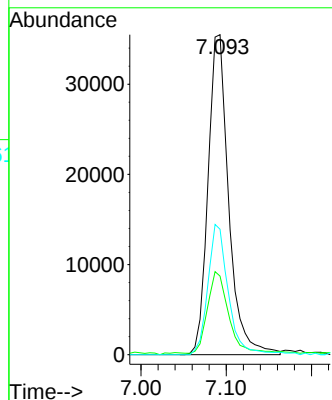
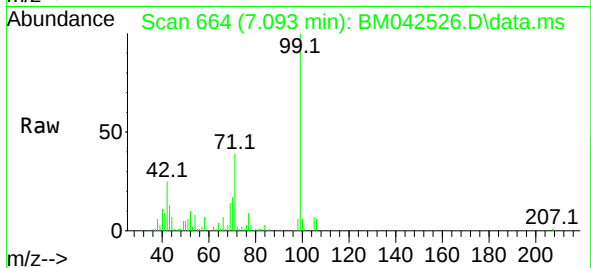
#7
Phenol-d6
Concen: 9.911 ng
RT: 7.093 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Instrument :
BNA_M
ClientSampleId :
A-4(0-2)

Tgt Ion: 99 Resp: 59839
Ion Ratio Lower Upper
99 100
42 24.6 18.7 28.1
71 39.2 29.1 43.7

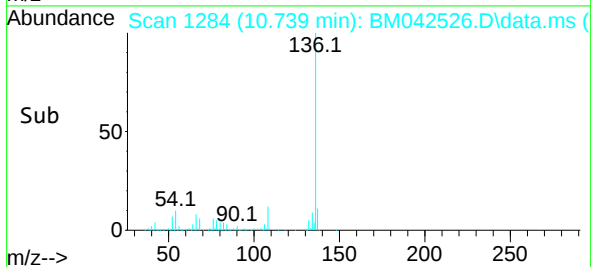
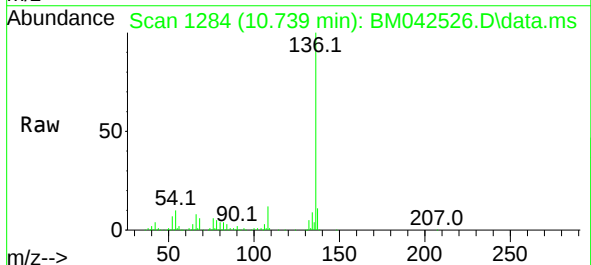
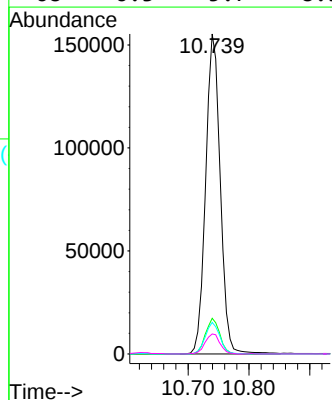
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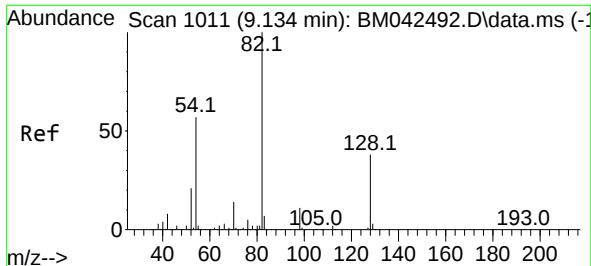
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Tgt Ion:136 Resp: 259003
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 9.8 8.0 12.0
68 6.3 5.7 8.5





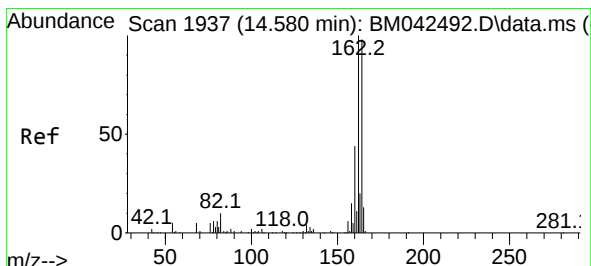
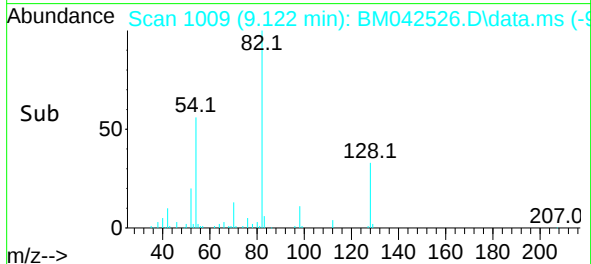
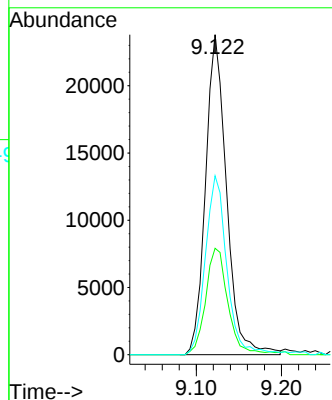
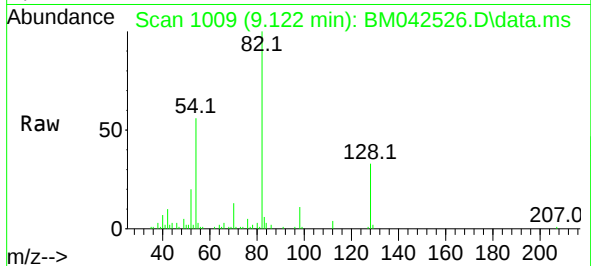
#23
Nitrobenzene-d5
Concen: 7.335 ng
RT: 9.122 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Instrument :
BNA_M
ClientSampleId :
A-4(0-2)

Tgt Ion: 82 Resp: 4075
Ion Ratio Lower Upper
82 100
128 33.2 30.7 46.1
54 55.9 45.3 67.9

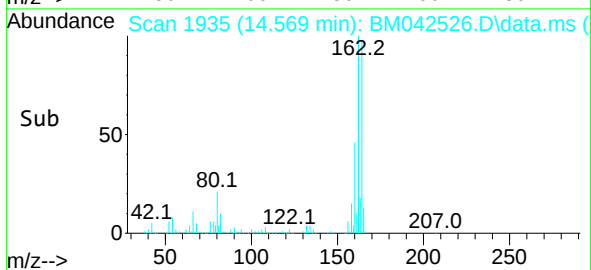
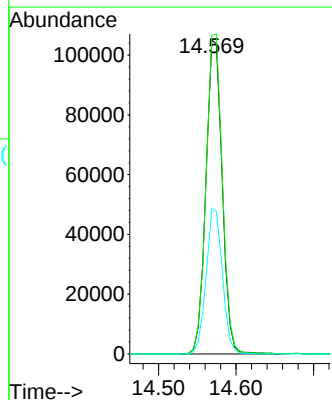
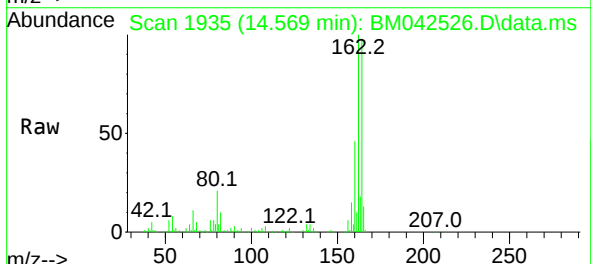
Manual Integrations
APPROVED

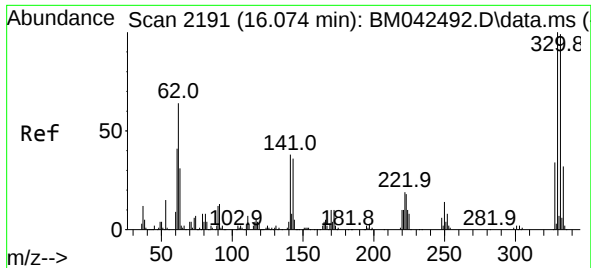
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1935
Delta R.T. -0.011 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

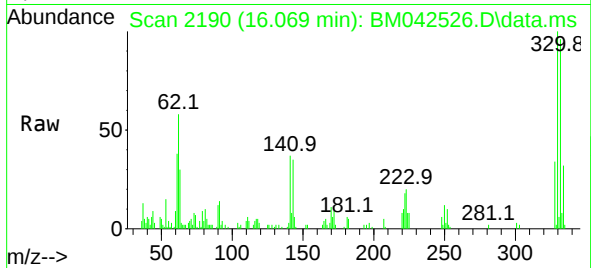
Tgt Ion:164 Resp: 153292
Ion Ratio Lower Upper
164 100
162 101.5 81.6 122.4
160 46.3 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 10.504 ng
RT: 16.069 min Scan# 2191
Delta R.T. -0.005 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

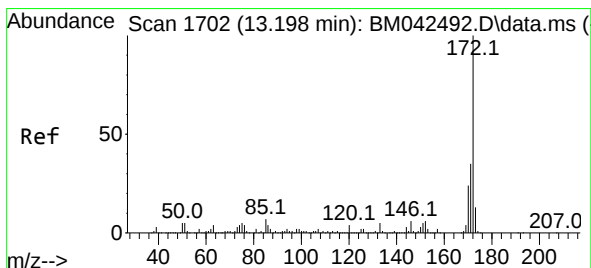
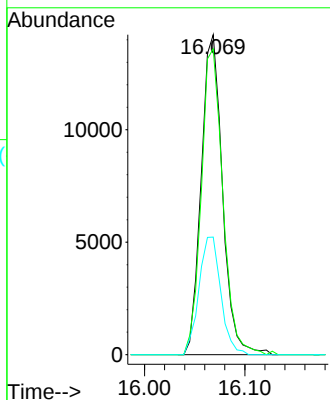
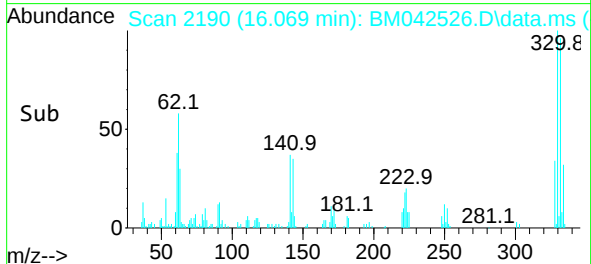
Instrument :
BNA_M
ClientSampleId :
A-4(0-2)



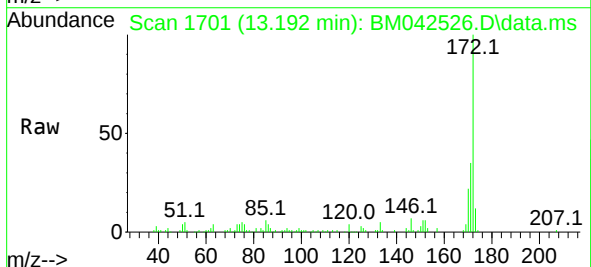
Tgt Ion:330 Resp: 2102
Ion Ratio Lower Upper
330 100
332 97.1 78.8 118.2
141 37.8 31.1 46.7

Manual Integrations
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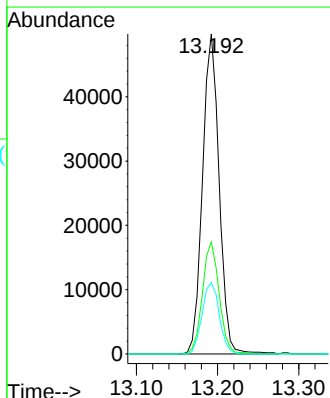
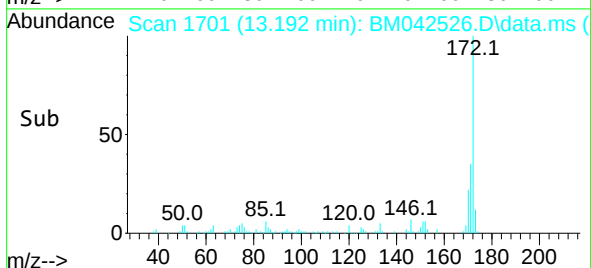
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

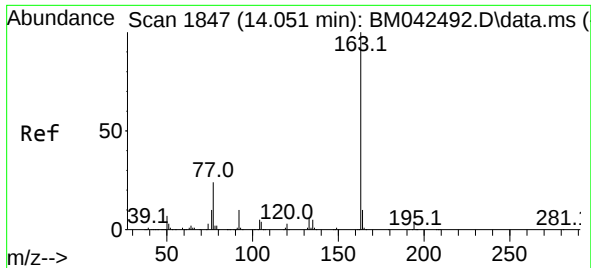


#45
2-Fluorobiphenyl
Concen: 6.205 ng
RT: 13.192 min Scan# 1701
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24



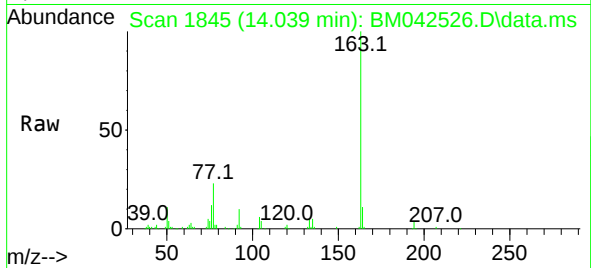
Tgt Ion:172 Resp: 70684
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 22.2 19.0 28.4





#50
Dimethylphthalate
Concen: 6.435 ng
RT: 14.039 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

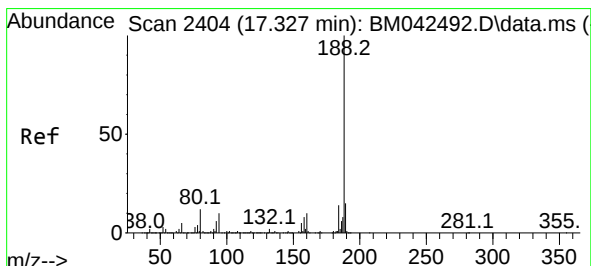
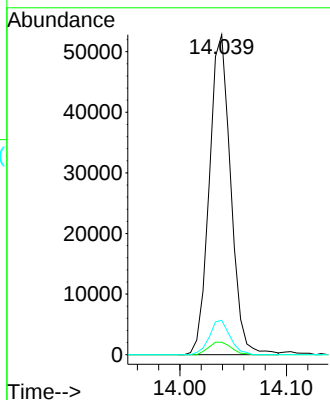
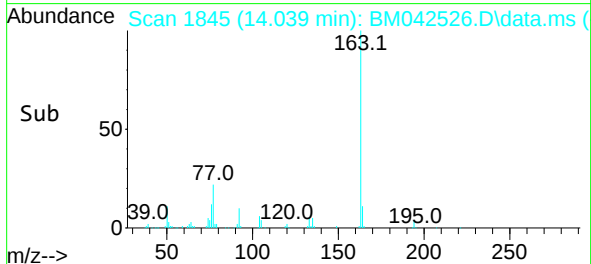
Instrument :
BNA_M
ClientSampleId :
A-4(0-2)



Tgt Ion:163 Resp: 73730
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.8 7.8 11.8

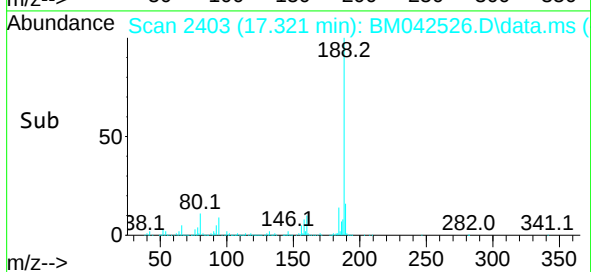
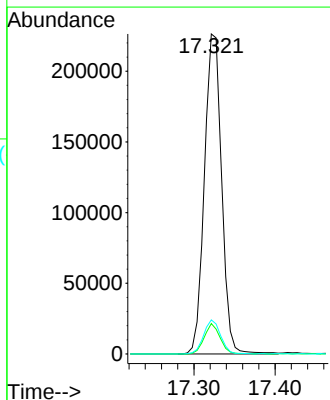
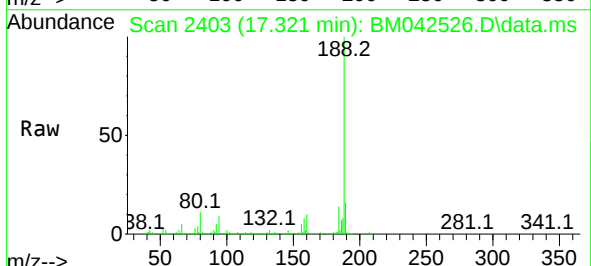
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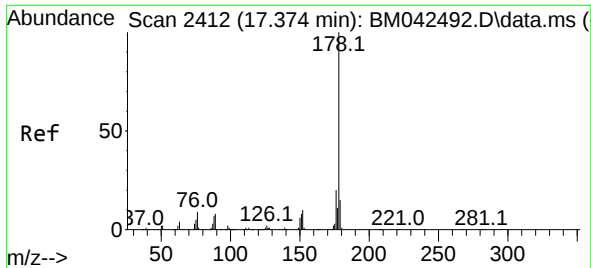
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

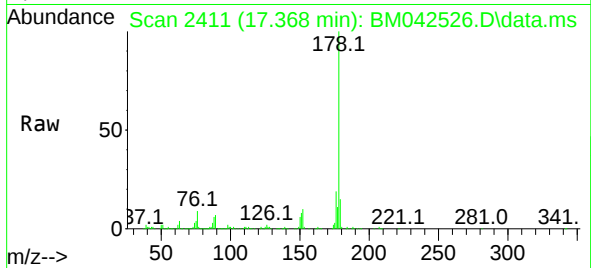
Tgt Ion:188 Resp: 333351
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.4
80 10.6 9.4 14.2





#71
Phenanthrene
Concen: 13.246 ng
RT: 17.368 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

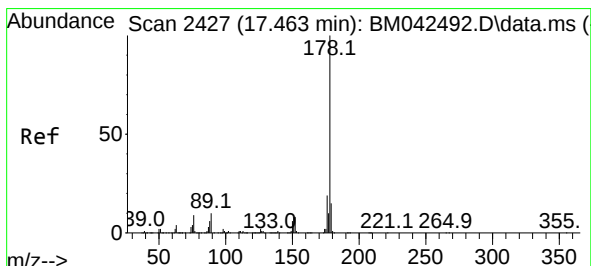
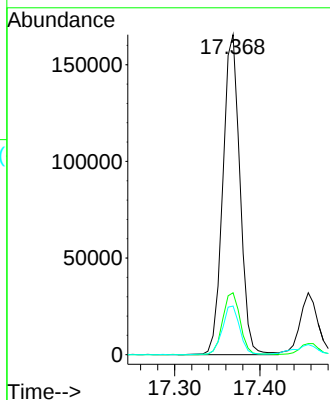
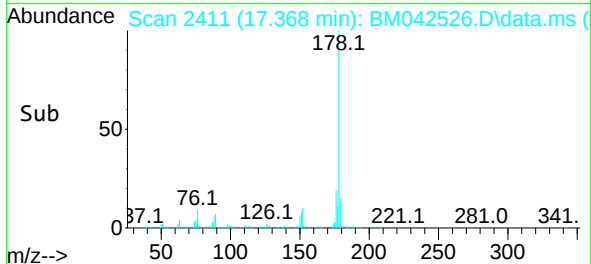
Instrument :
BNA_M
ClientSampleId :
A-4(0-2)



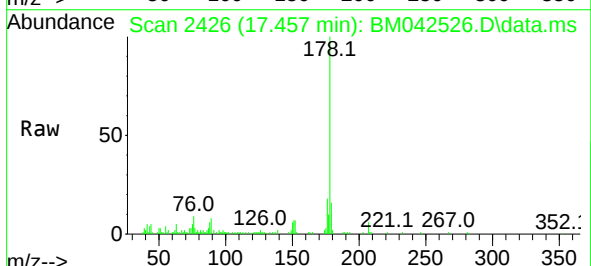
Tgt Ion:178 Resp: 230749
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.2 12.2 18.4

Manual Integrations
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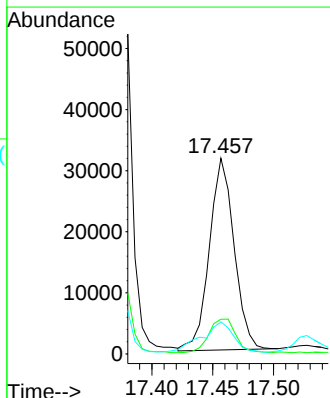
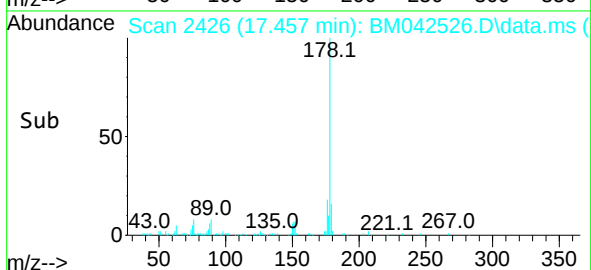
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

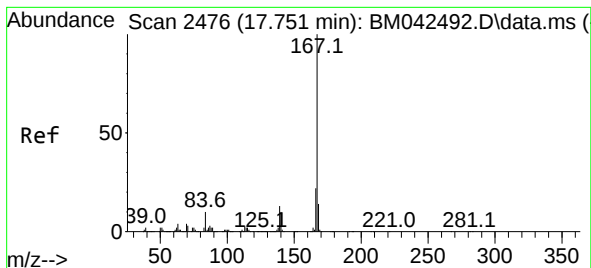


#72
Anthracene
Concen: 2.579 ng
RT: 17.457 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24



Tgt Ion:178 Resp: 44494
Ion Ratio Lower Upper
178 100
176 17.7 15.2 22.8
179 16.3 12.3 18.5





#73

Carbazole

Concen: 2.145 ng

RT: 17.745 min Scan# 2476

Delta R.T. -0.006 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

Instrument :

BNA_M

ClientSampleId :

A-4(0-2)

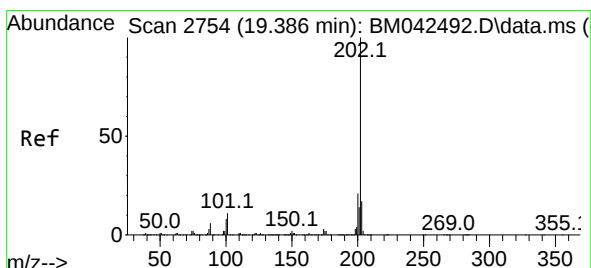
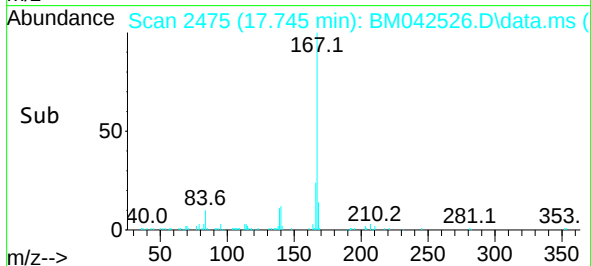
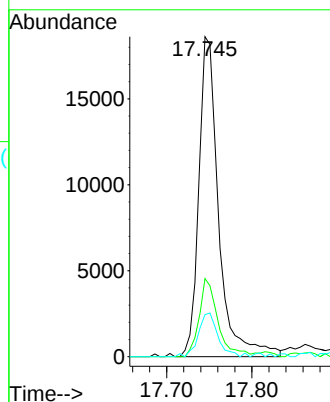
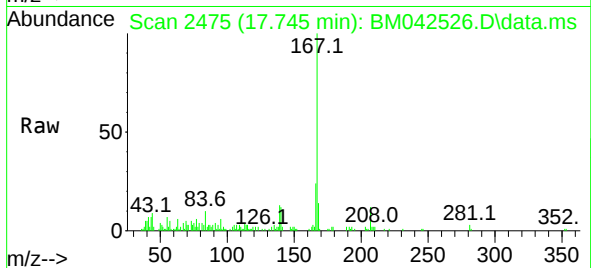
Tgt Ion:167 Resp: 30110
 Ion Ratio Lower Upper
 167 100
 166 24.4 17.4 26.2
 139 13.2 10.5 15.7

Manual Integrations

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Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#75

Fluoranthene

Concen: 25.684 ng

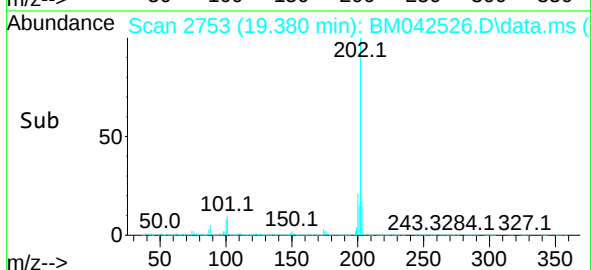
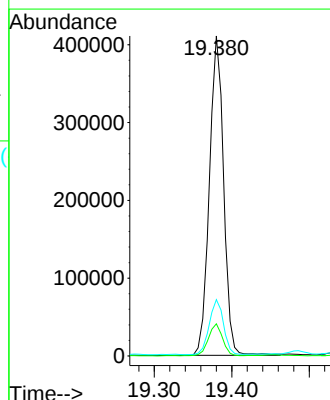
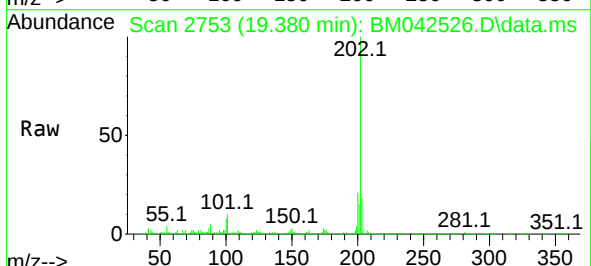
RT: 19.380 min Scan# 2753

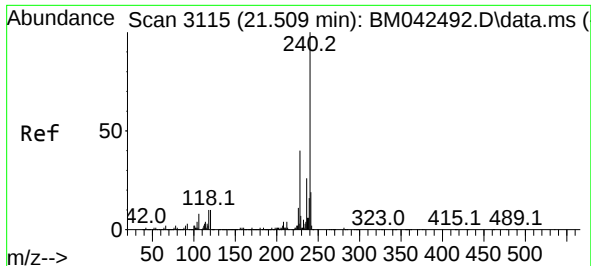
Delta R.T. -0.006 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

Tgt Ion:202 Resp: 525581
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.5
 203 17.6 0.0 37.0





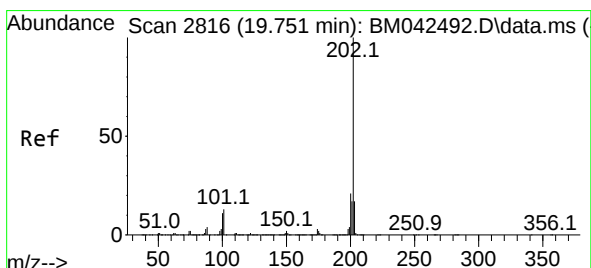
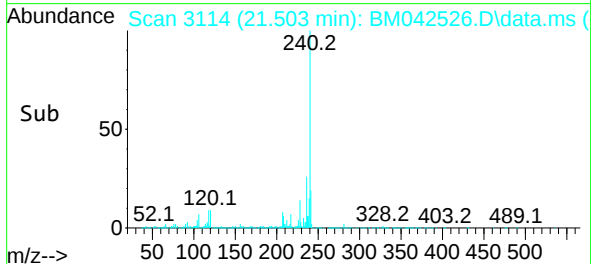
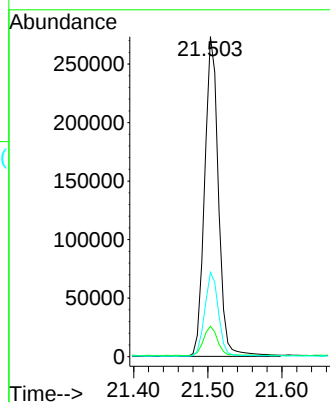
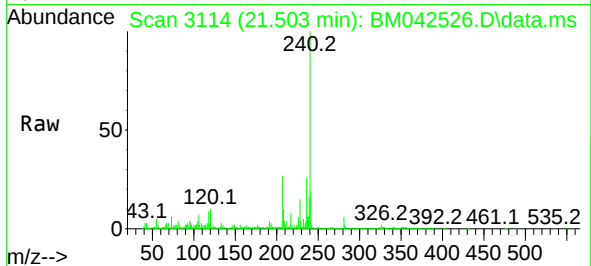
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.503 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Instrument :
BNA_M
ClientSampleId :
A-4(0-2)

Tgt Ion:240 Resp: 355329
Ion Ratio Lower Upper
240 100
120 9.5 8.3 12.5
236 26.4 20.8 31.2

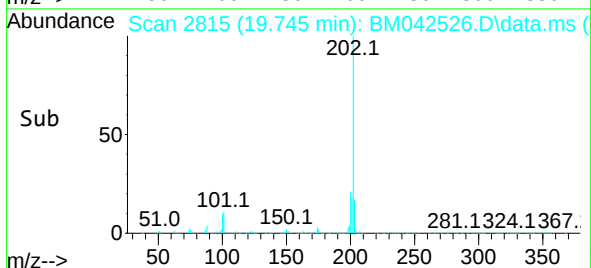
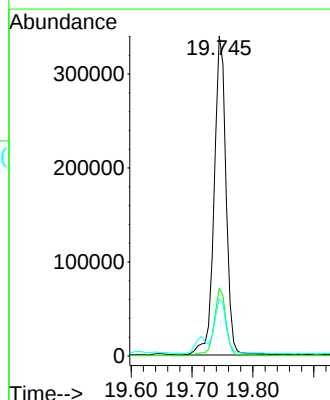
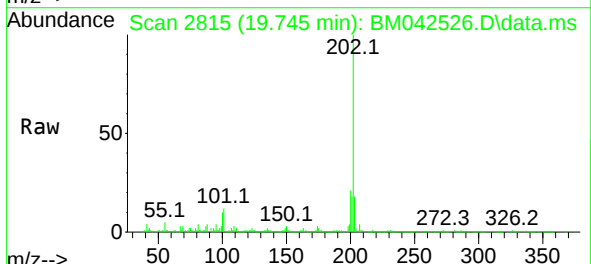
Manual Integrations
APPROVED

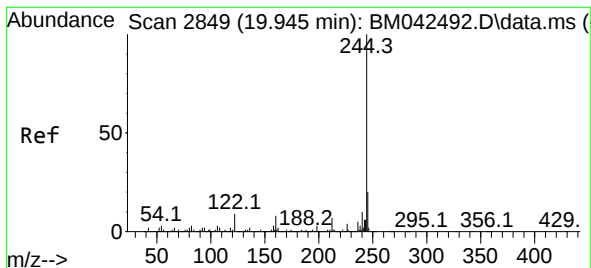
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#78
Pyrene
Concen: 18.931 ng
RT: 19.745 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Tgt Ion:202 Resp: 461897
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.8 13.7 20.5





#79

Terphenyl-d14

Concen: 4.732 ng

RT: 19.939 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042526.D

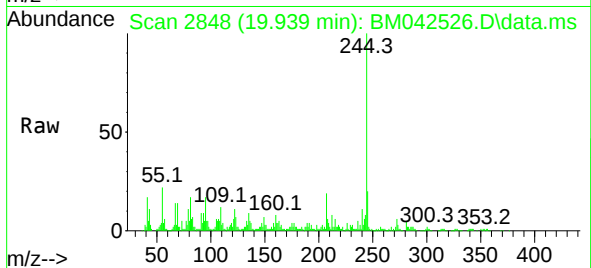
Acq: 01 Nov 2023 00:24

Instrument :

BNA_M

ClientSampleId :

A-4(0-2)



Tgt Ion:244 Resp: 9916

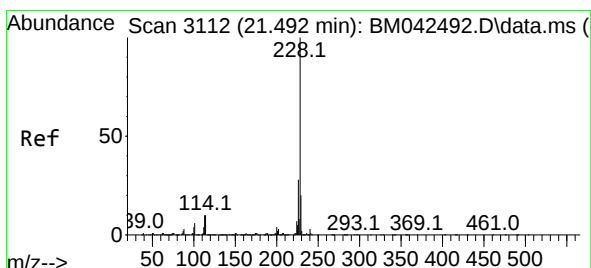
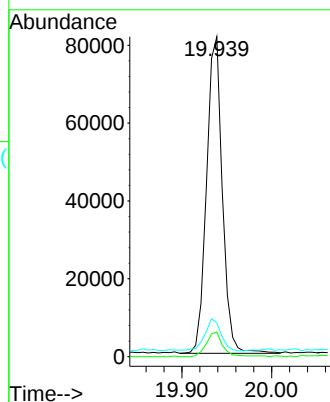
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.4	8.2
122	10.6	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#81

Benzo(a)anthracene

Concen: 10.272 ng

RT: 21.486 min Scan# 3111

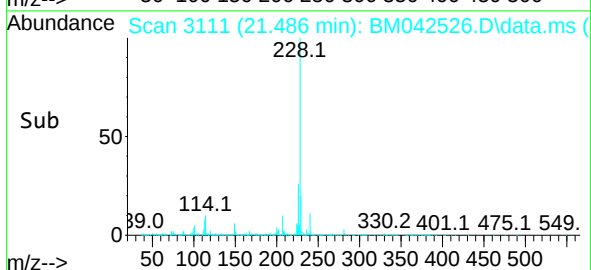
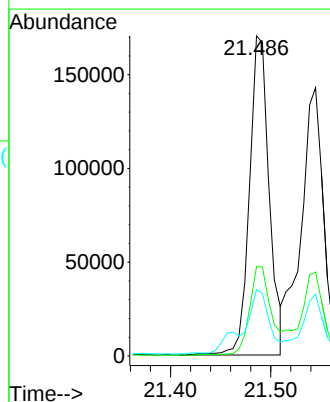
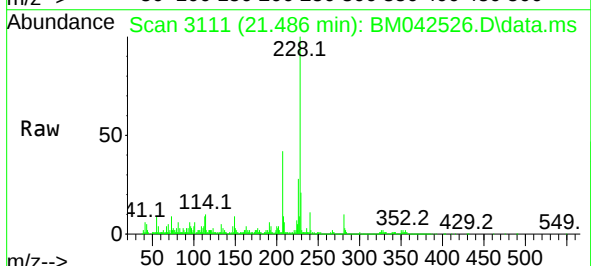
Delta R.T. -0.006 min

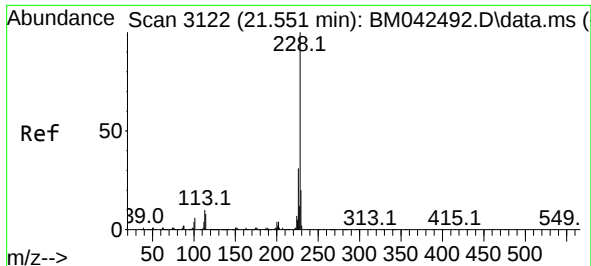
Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

Tgt Ion:228 Resp: 232228

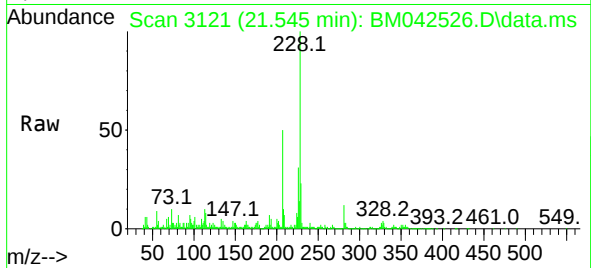
Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.3	33.5
229	20.8	15.8	23.8





#83
Chrysene
Concen: 9.598 ng m
RT: 21.545 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

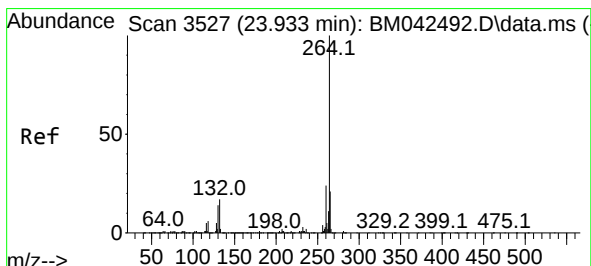
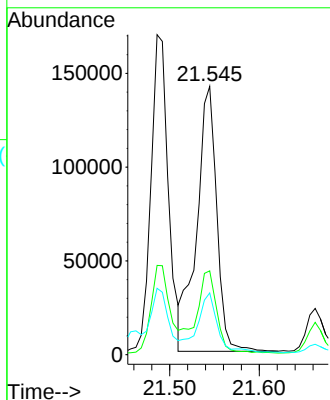
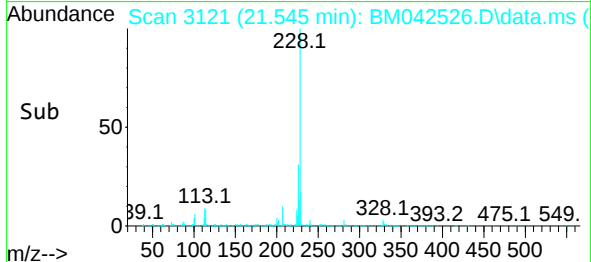
Instrument :
BNA_M
ClientSampleId :
A-4(0-2)



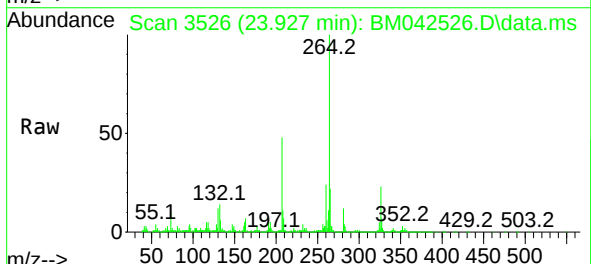
Tgt Ion:228 Resp: 220419
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 23.0 15.7 23.5

Manual Integrations
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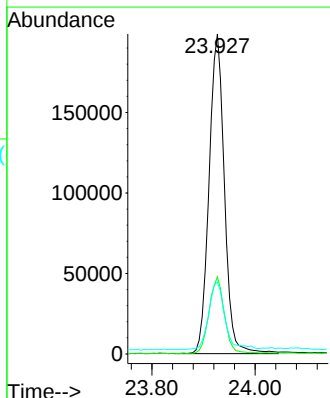
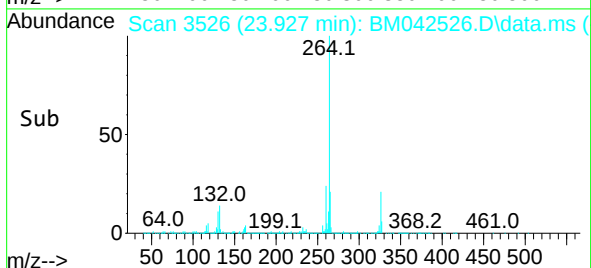
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

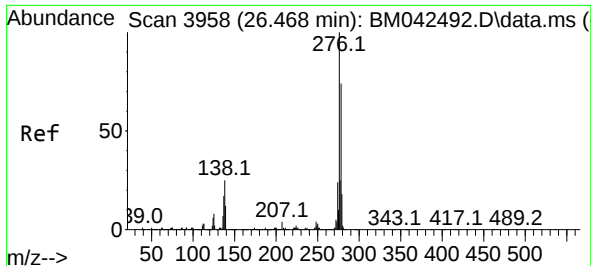


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.927 min Scan# 3526
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24



Tgt Ion:264 Resp: 409649
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.4
265 22.5 18.7 28.1





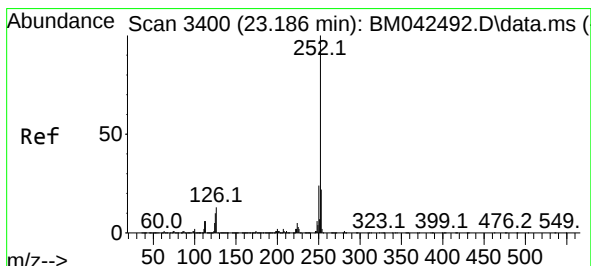
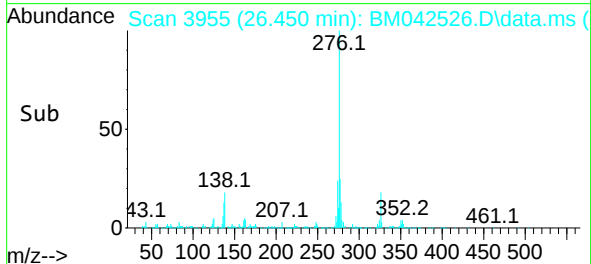
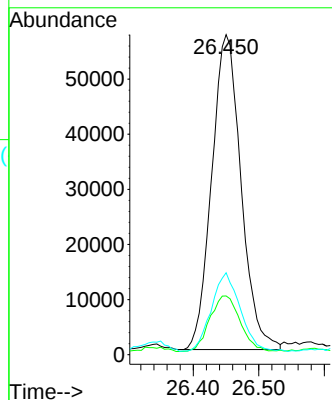
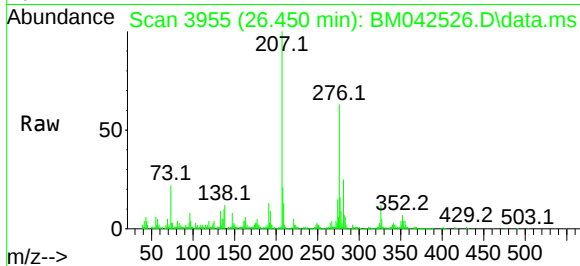
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.288 ng
RT: 26.450 min Scan# 3955
Delta R.T. -0.018 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Instrument :
BNA_M
ClientSampleId :
A-4(0-2)

Tgt Ion:276 Resp: 177688
Ion Ratio Lower Upper
276 100
138 18.6 20.6 31.0
277 24.6 19.5 29.3

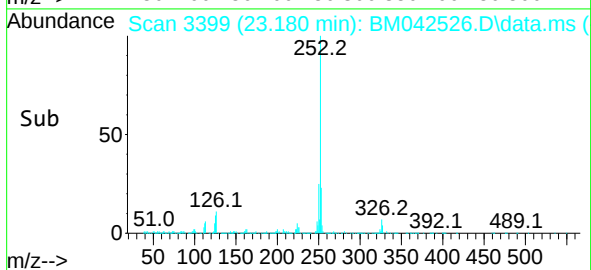
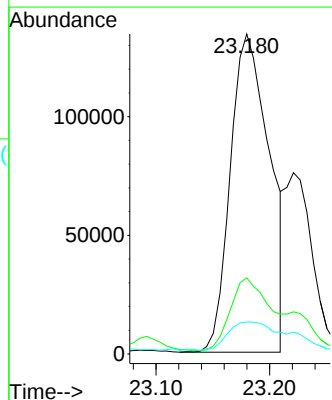
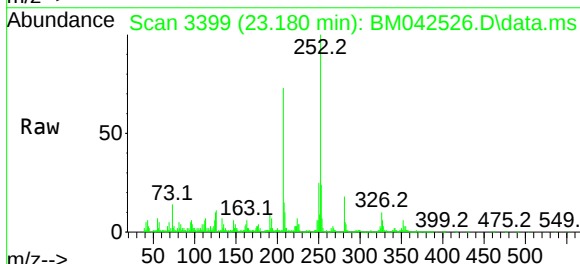
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APPROVED

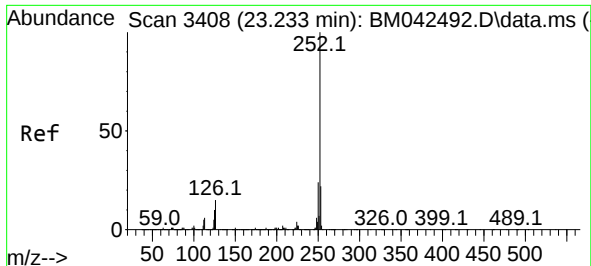
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#88
Benzo(b)fluoranthene
Concen: 14.083 ng
RT: 23.180 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Tgt Ion:252 Resp: 321398
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 10.0 7.8 11.6





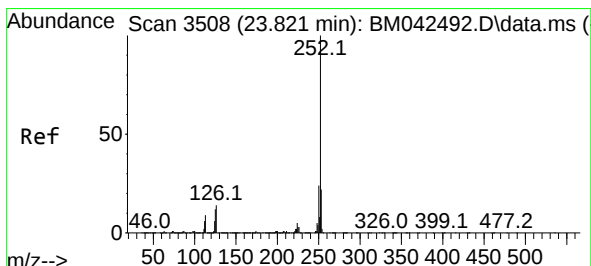
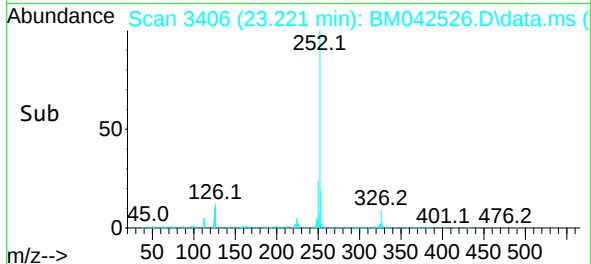
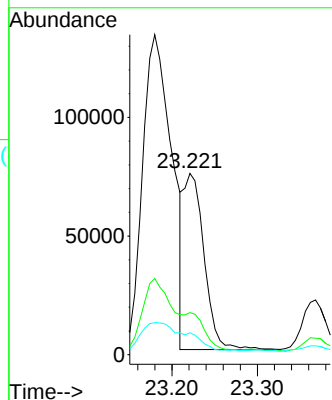
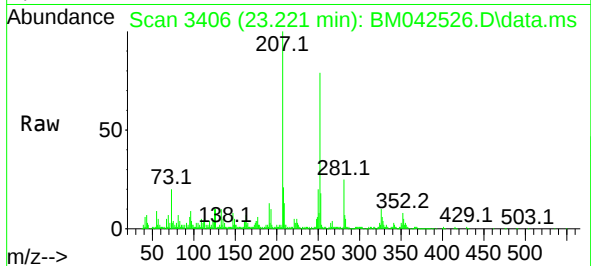
#89
Benzo(k)fluoranthene
Concen: 4.837 ng m
RT: 23.221 min Scan# 3406
Delta R.T. -0.012 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Instrument :
BNA_M
ClientSampleId :
A-4(0-2)

Tgt Ion:252 Resp: 123004
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 12.1 8.2 12.4

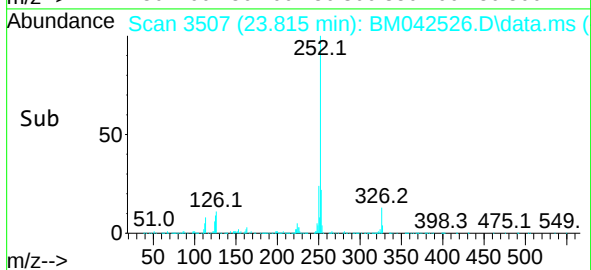
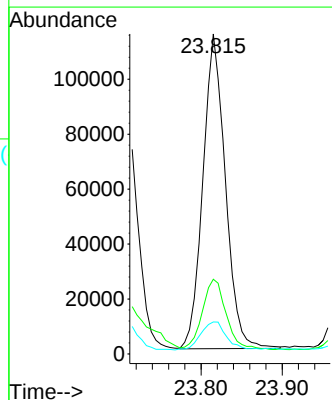
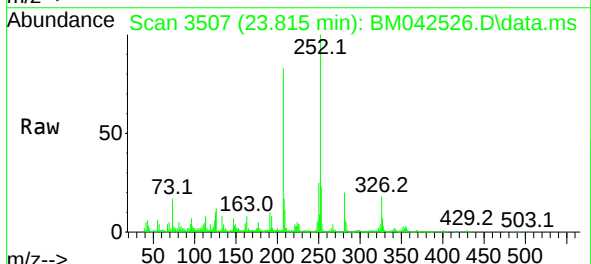
Manual Integrations
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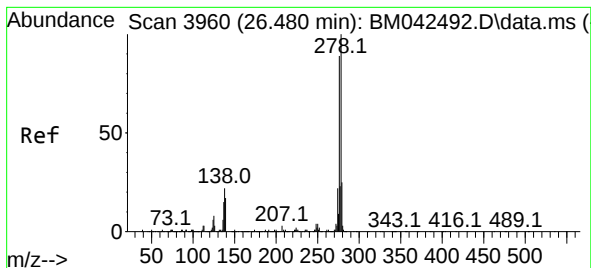
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#90
Benzo(a)pyrene
Concen: 9.809 ng
RT: 23.815 min Scan# 3507
Delta R.T. -0.006 min
Lab File: BM042526.D
Acq: 01 Nov 2023 00:24

Tgt Ion:252 Resp: 220402
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 10.0 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 5.649 ng

RT: 26.456 min Scan# 3960

Delta R.T. -0.024 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

Instrument :

BNA_M

ClientSampleId :

A-4(0-2)

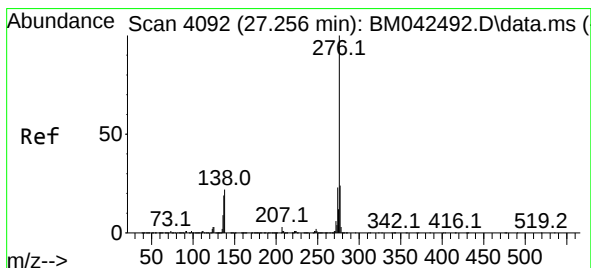
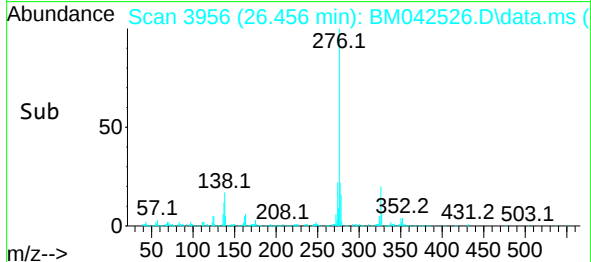
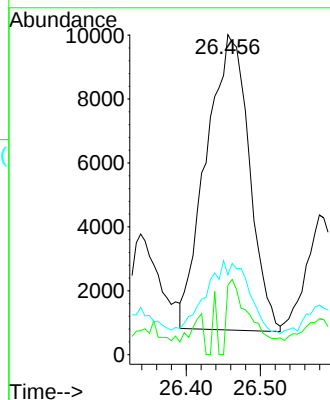
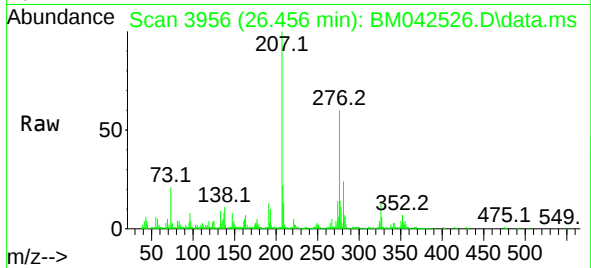
Tgt Ion:	278	Resp:	37219
Ion Ratio	Lower	Upper	
278	100		
139	21.7	13.4	20.2
279	25.0	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#92

Benzo(g,h,i)perylene

Concen: 9.013 ng

RT: 27.244 min Scan# 4090

Delta R.T. -0.012 min

Lab File: BM042526.D

Acq: 01 Nov 2023 00:24

Tgt Ion:	276	Resp:	193667
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.2	28.8
138	19.1	17.3	25.9

