

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102423\
 Data File : BM042431.D
 Acq On : 24 Oct 2023 22:09
 Operator : MA/JU
 Sample : 04841-02 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 M-3(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023

Quant Time: Oct 25 02:14:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	129343	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	532629	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	332386	20.000	ng	0.00
64) Phenanthrene-d10	17.398	188	691173	20.000	ng	0.00
76) Chrysene-d12	21.580	240	532659	20.000	ng	0.00
86) Perylene-d12	24.050	264	609682	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	422033	46.115	ng	0.00
7) Phenol-d6	7.145	99	551739	44.987	ng	0.00
23) Nitrobenzene-d5	9.192	82	345840	28.712	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	195778	58.785	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	703736	28.511	ng	0.00
79) Terphenyl-d14	20.009	244	905470	30.148	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.869	128	237055	8.665	ng	100
37) 2-Methylnaphthalene	12.469	142	75235	4.085	ng	96
38) 1-Methylnaphthalene	12.692	142	736133	42.667	ng	98
49) Acenaphthylene	14.374	152	2438426	78.076	ng	99
52) Acenaphthene	14.704	154	377489	19.992	ng	99
55) Dibenzofuran	15.039	168	350015	11.720	ng	98
58) Fluorene	15.692	166	1109716	47.089	ng	99
71) Phenanthrene	17.451	178	8624219	229.367	ng	99
72) Anthracene	17.533	178	3168722	85.093	ng	99
75) Fluoranthene	19.456	202	5488359	132.535	ng	96
78) Pyrene	19.827	202	7747211	208.136	ng	99
81) Benzo(a)anthracene	21.568	228	3532854	98.936	ng	92
83) Chrysene	21.621	228	3039212	88.616	ng	95
87) Indeno(1,2,3-cd)pyrene	26.650	276	1368238	30.709	ng	# 91
88) Benzo(b)fluoranthene	23.297	252	2792838m	76.103	ng	
89) Benzo(k)fluoranthene	23.338	252	864278m	22.684	ng	
90) Benzo(a)pyrene	23.950	252	3032546m	85.853	ng	
91) Dibenzo(a,h)anthracene	26.656	278	438433	11.835	ng	# 74
92) Benzo(g,h,i)perylene	27.468	276	1476032	41.028	ng	93

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

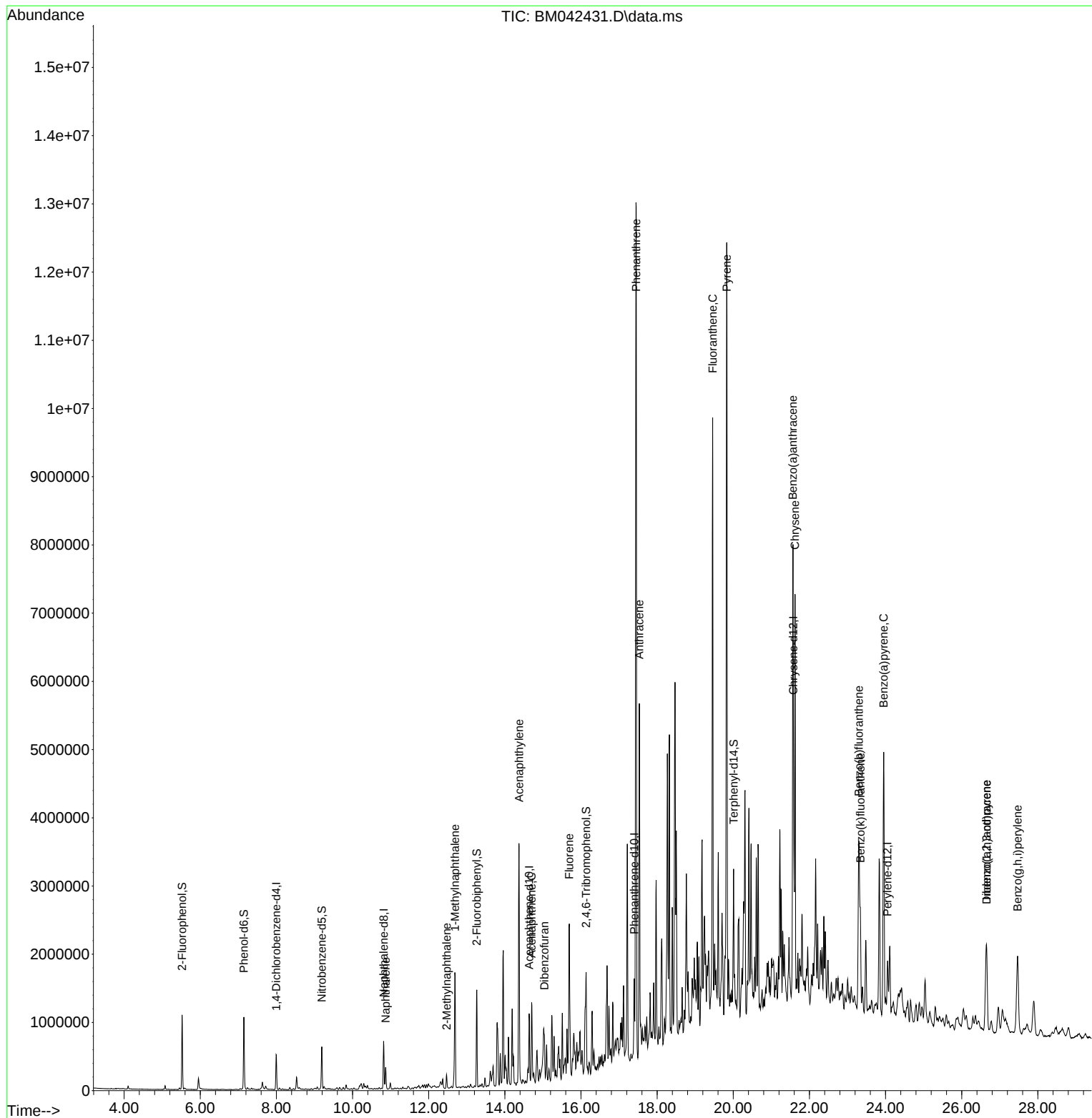
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102423\
Data File : BM042431.D
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Sample : 04841-02 2X
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ALS Vial : 20 Sample Multiplier: 1

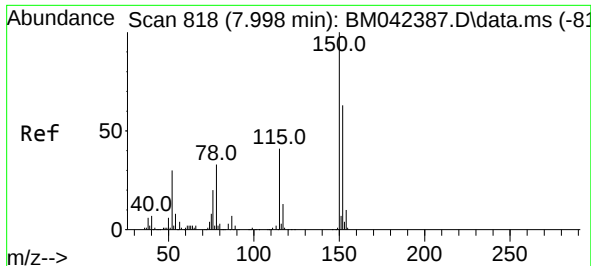
Instrument :
BNA_M
ClientSampleId :
M-3(0-5)

Quant Time: Oct 25 02:14:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration

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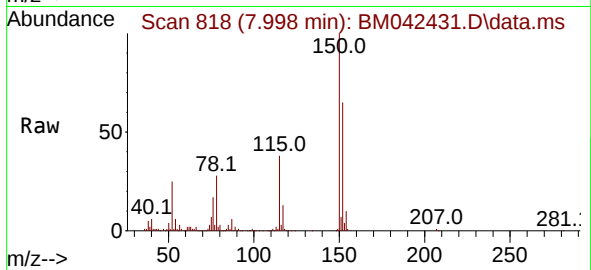
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.998 min Scan# 818
Delta R.T. 0.000 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

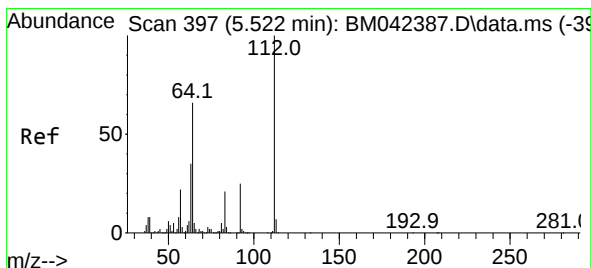
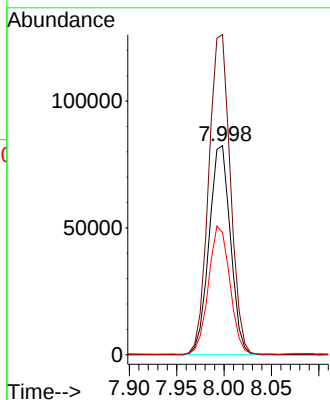
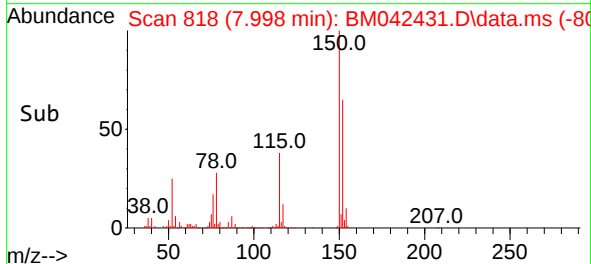
Instrument :
BNA_M
ClientSampleId :
M-3(0-5)



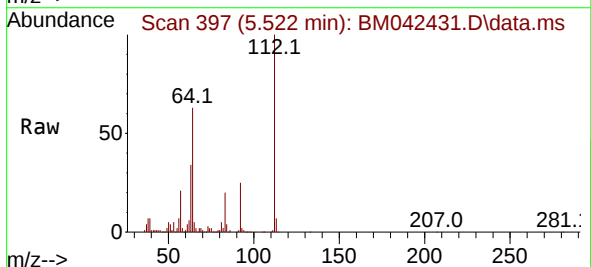
Tgt Ion:152 Resp: 12934
Ion Ratio Lower Upper
152 100
150 153.0 126.2 189.4
115 58.4 51.9 77.9

Manual Integrations
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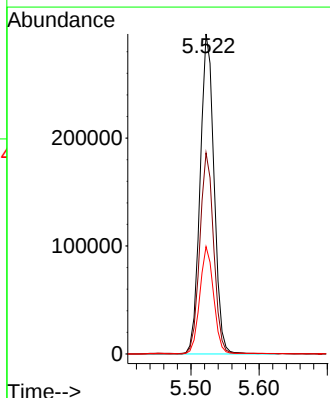
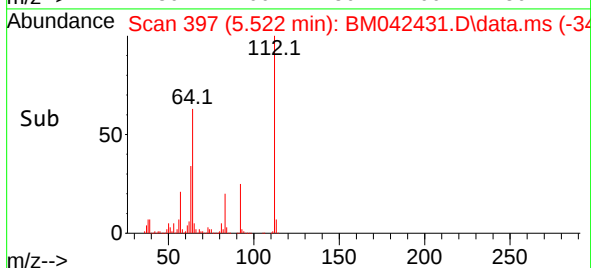
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

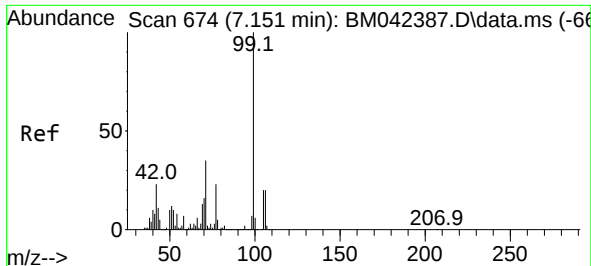


#5
2-Fluorophenol
Concen: 46.115 ng
RT: 5.522 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09



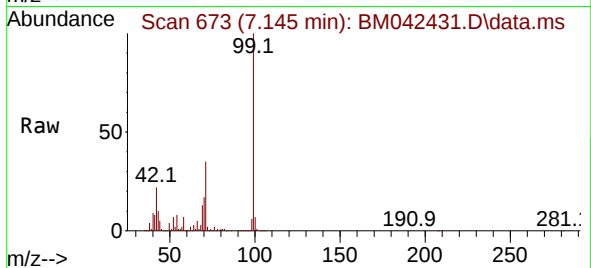
Tgt Ion:112 Resp: 422033
Ion Ratio Lower Upper
112 100
64 62.9 52.7 79.1
63 33.5 28.3 42.5





#7
Phenol-d6
Concen: 44.987 ng
RT: 7.145 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

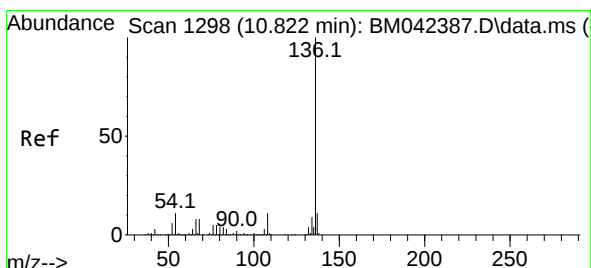
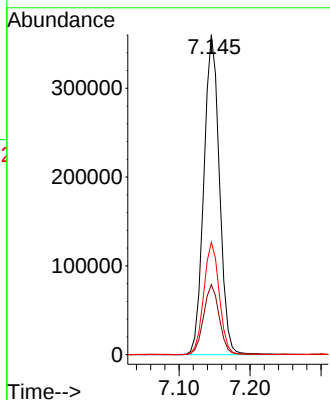
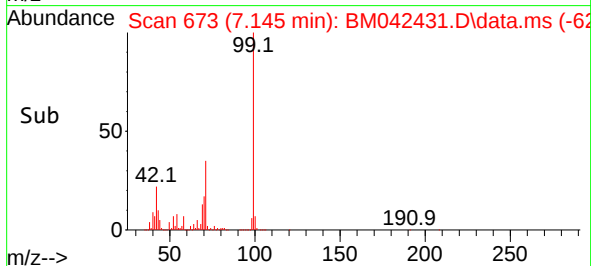
Instrument :
BNA_M
ClientSampleId :
M-3(0-5)



Tgt Ion: 99 Resp: 551739
Ion Ratio Lower Upper
99 100
42 21.9 18.5 27.7
71 35.2 27.7 41.5

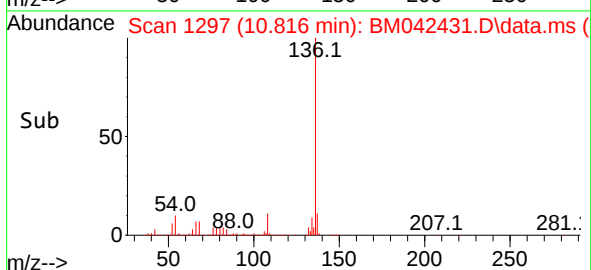
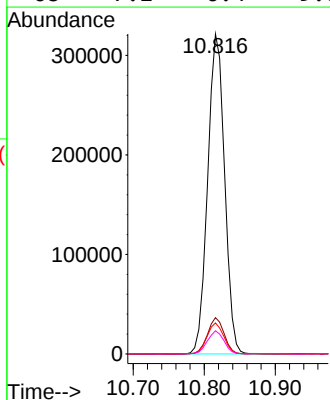
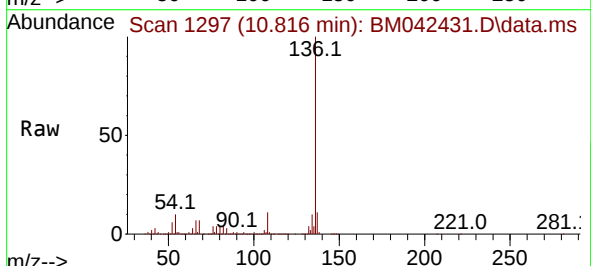
Manual Integrations
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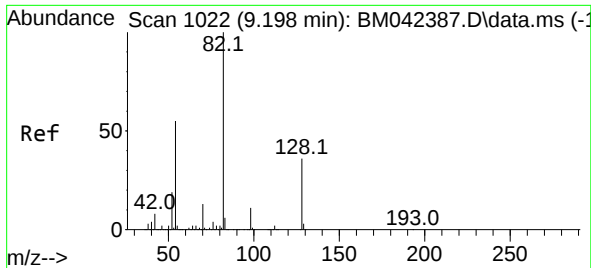
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

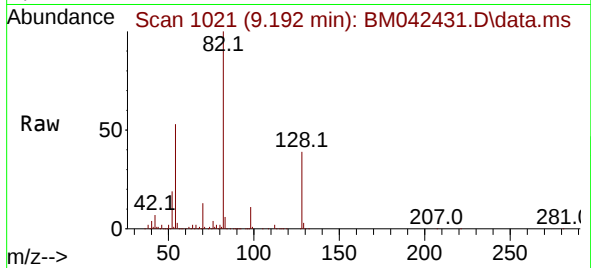
Tgt Ion:136 Resp: 532629
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 9.7 8.6 12.8
68 7.2 6.4 9.6





#23
Nitrobenzene-d5
Concen: 28.712 ng
RT: 9.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

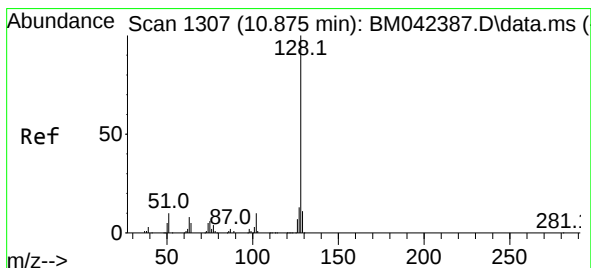
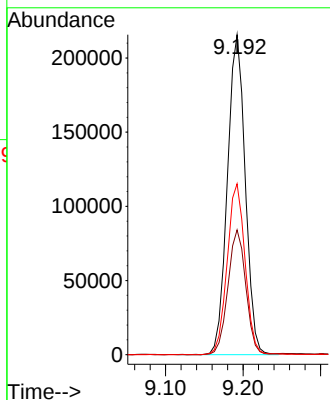
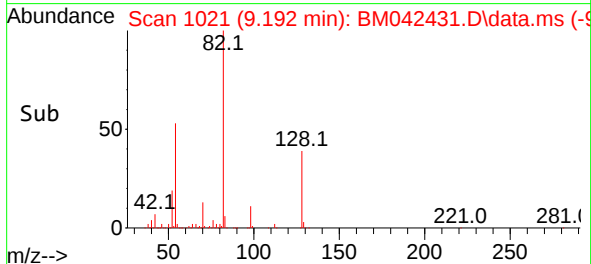
Instrument :
BNA_M
ClientSampleId :
M-3(0-5)



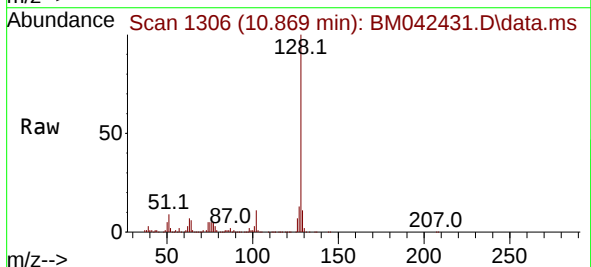
Tgt Ion: 82 Resp: 345840
Ion Ratio Lower Upper
82 100
128 39.0 29.0 43.6
54 53.4 43.7 65.5

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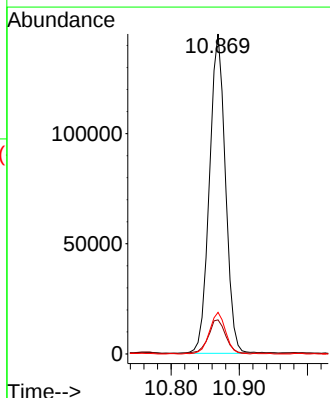
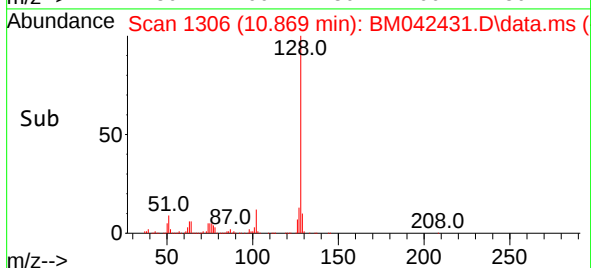
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

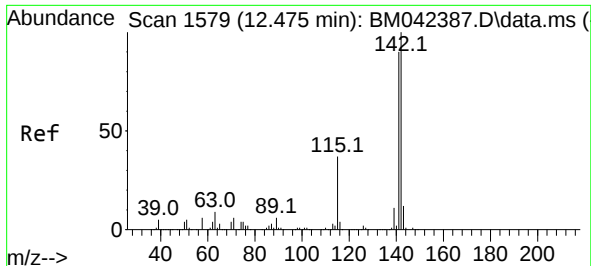


#31
Naphthalene
Concen: 8.665 ng
RT: 10.869 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09



Tgt Ion:128 Resp: 237055
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 13.0 10.4 15.6





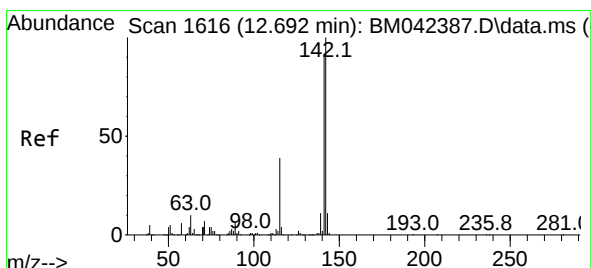
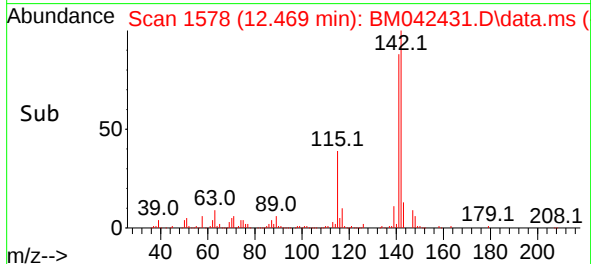
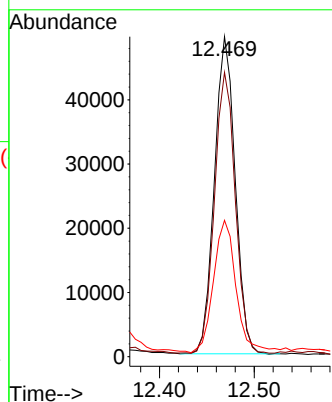
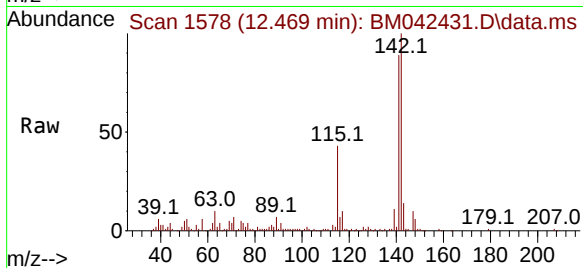
#37
2-Methylnaphthalene
Concen: 4.085 ng
RT: 12.469 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

Instrument :
BNA_M
ClientSampleId :
M-3(0-5)

Tgt Ion:142 Resp: 7523
Ion Ratio Lower Upper
142 100
141 88.8 72.0 108.0
115 42.6 29.4 44.2

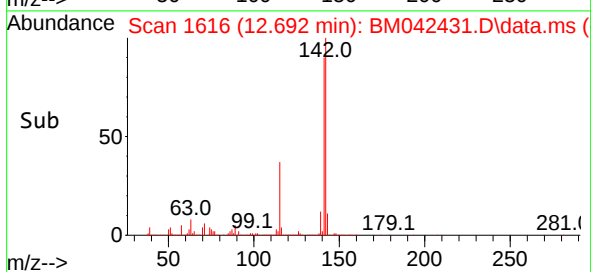
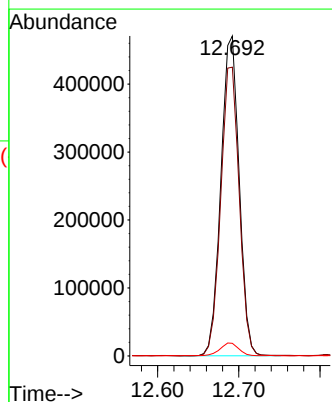
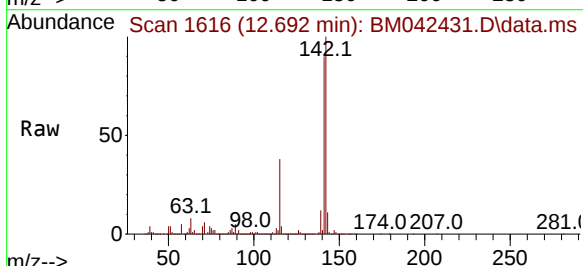
Manual Integrations
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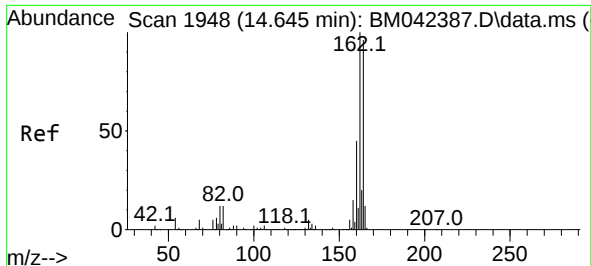
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#38
1-Methylnaphthalene
Concen: 42.667 ng
RT: 12.692 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

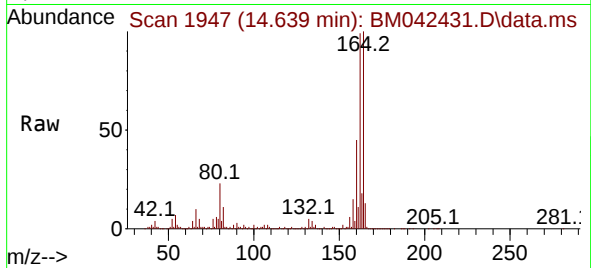
Tgt Ion:142 Resp: 736133
Ion Ratio Lower Upper
142 100
141 90.2 73.8 110.6
116 4.0 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.639 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

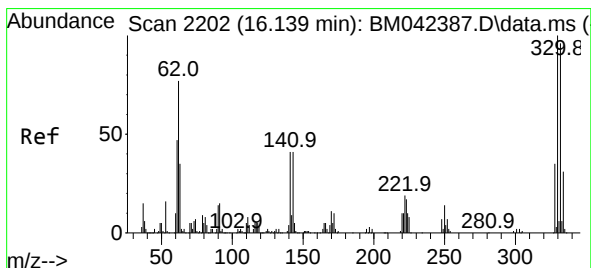
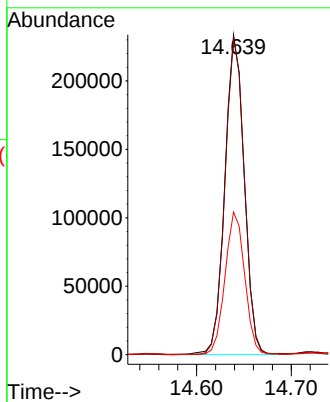
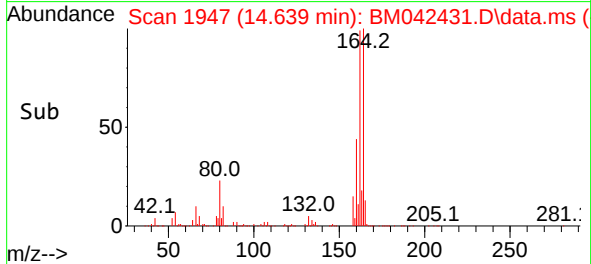
Instrument :
BNA_M
ClientSampleId :
M-3(0-5)



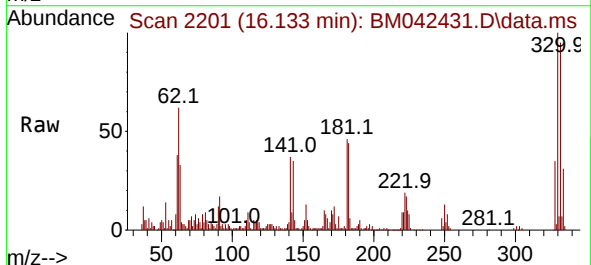
Tgt Ion:164 Resp: 332380
Ion Ratio Lower Upper
164 100
162 98.9 83.0 124.4
160 44.6 37.0 55.4

Manual Integrations
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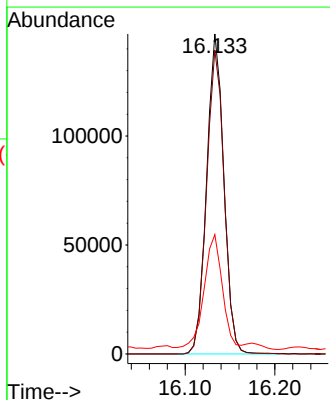
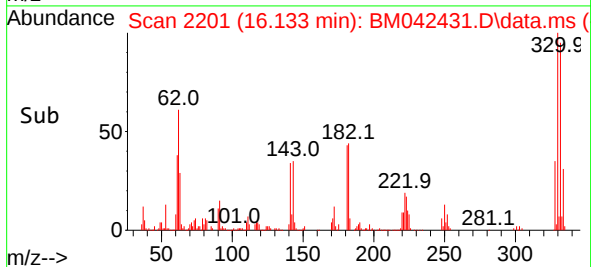
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

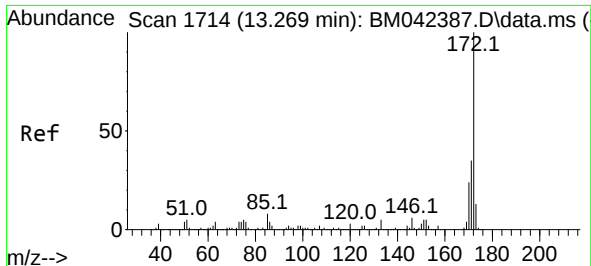


#42
2,4,6-Tribromophenol
Concen: 58.785 ng
RT: 16.133 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09



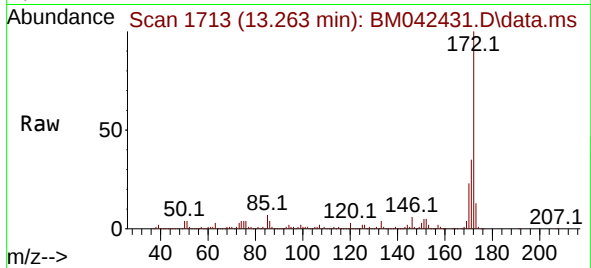
Tgt Ion:330 Resp: 195778
Ion Ratio Lower Upper
330 100
332 96.7 77.6 116.4
141 38.1 38.0 57.0





#45
2-Fluorobiphenyl
Concen: 28.511 ng
RT: 13.263 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

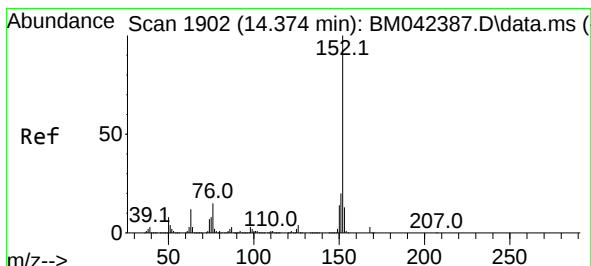
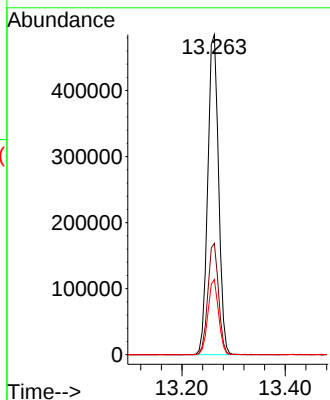
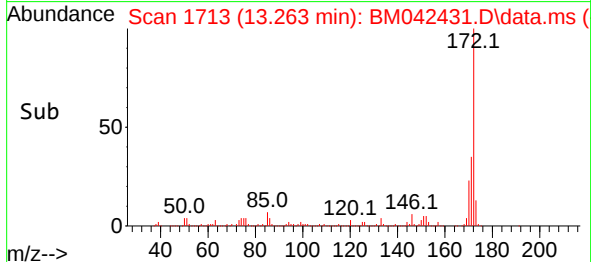
Instrument :
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M-3(0-5)



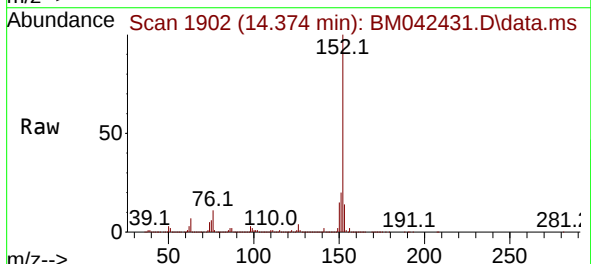
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Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.5 18.9 28.3

Manual Integrations
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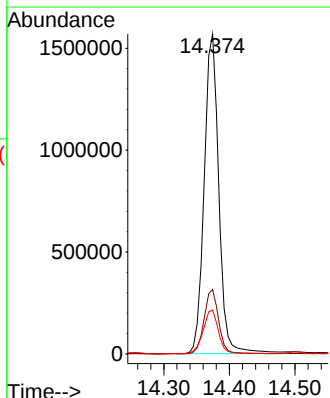
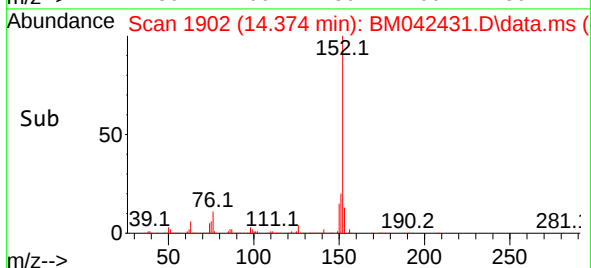
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

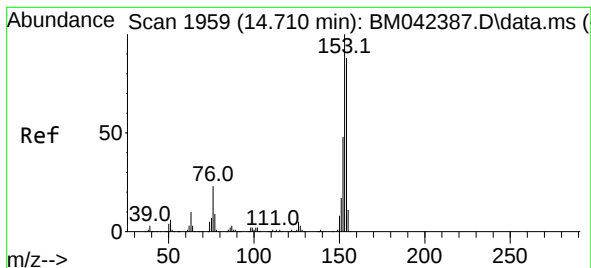


#49
Acenaphthylene
Concen: 78.076 ng
RT: 14.374 min Scan# 1902
Delta R.T. -0.000 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09



Tgt Ion:152 Resp: 2438426
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 13.7 10.5 15.7





#52

Acenaphthene

Concen: 19.992 ng

RT: 14.704 min Scan# 1958

Delta R.T. -0.006 min

Lab File: BM042431.D

Acq: 24 Oct 2023 22:09

Instrument :

BNA_M

ClientSampleId :

M-3(0-5)

Tgt Ion:154 Resp: 377489

Ion Ratio Lower Upper

154 100

153 114.6 91.1 136.7

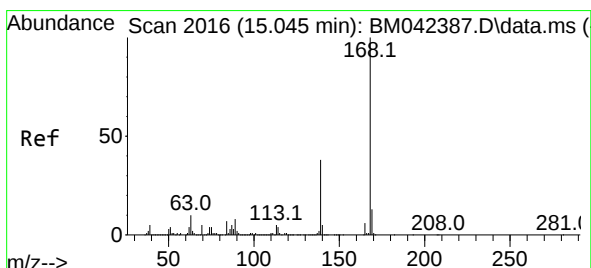
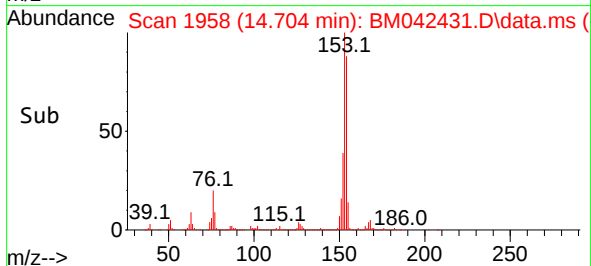
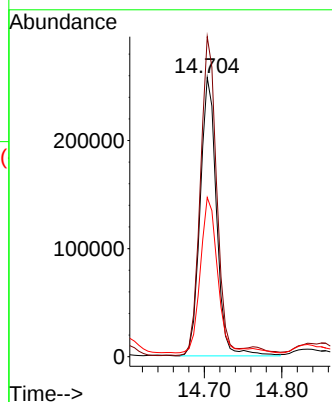
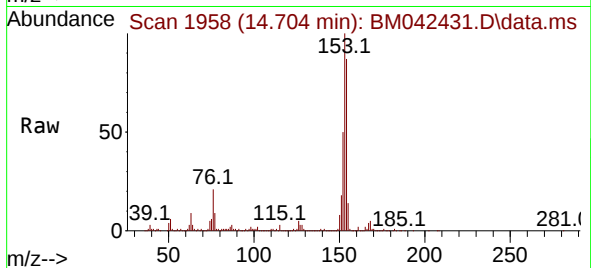
152 57.0 44.0 66.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2023

Supervised By :mohammad ahmed 10/25/2023



#55

Dibenzofuran

Concen: 11.720 ng

RT: 15.039 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BM042431.D

Acq: 24 Oct 2023 22:09

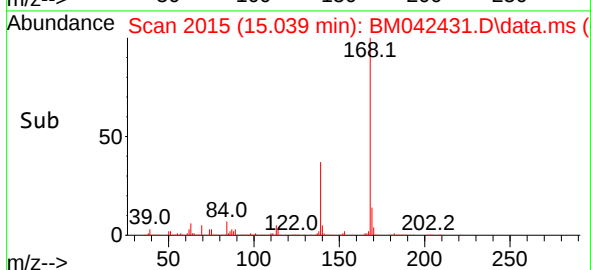
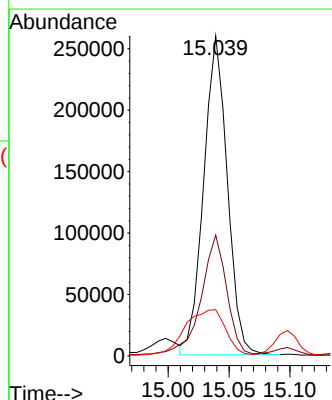
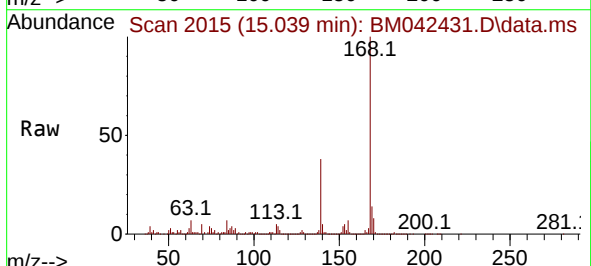
Tgt Ion:168 Resp: 350015

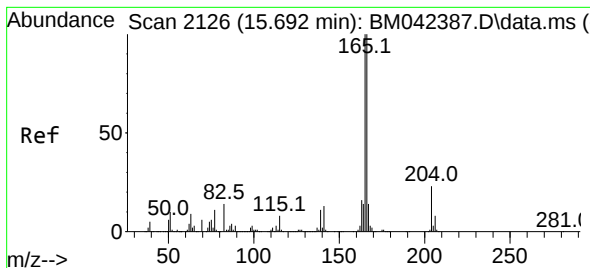
Ion Ratio Lower Upper

168 100

139 37.8 30.6 46.0

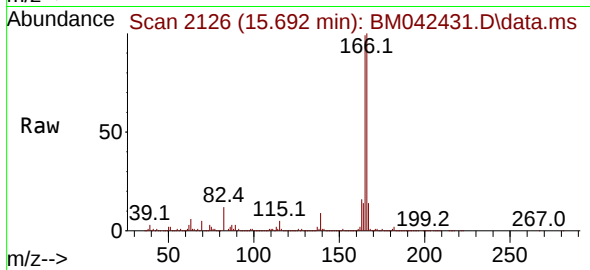
169 14.4 10.4 15.6





#58
Fluorene
Concen: 47.089 ng
RT: 15.692 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

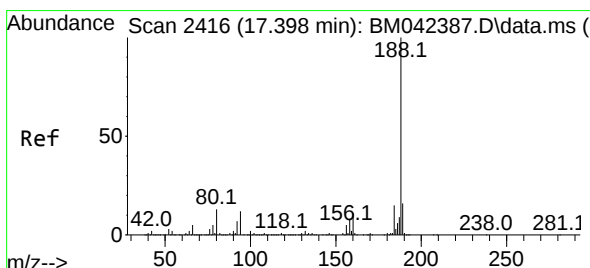
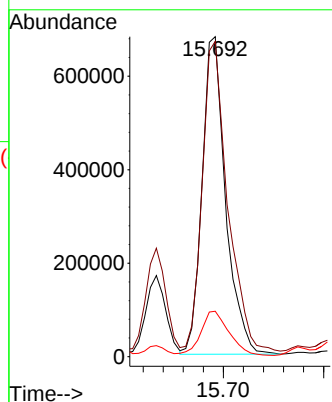
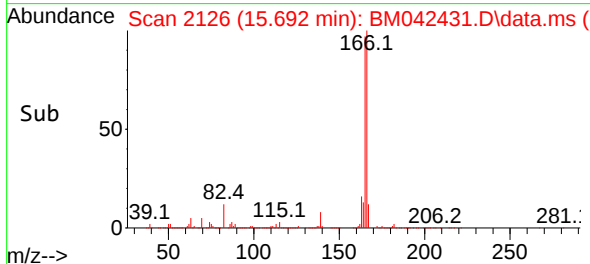
Instrument :
BNA_M
ClientSampleId :
M-3(0-5)



Tgt Ion:166 Resp: 1109710
Ion Ratio Lower Upper
166 100
165 98.5 79.6 119.4
167 14.2 10.9 16.3

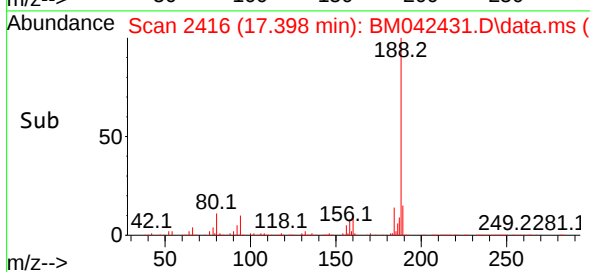
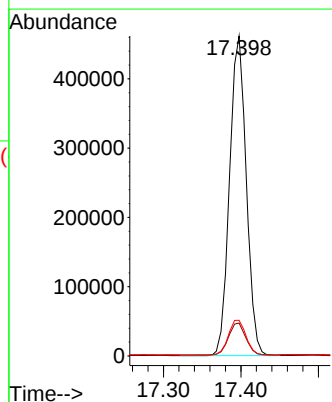
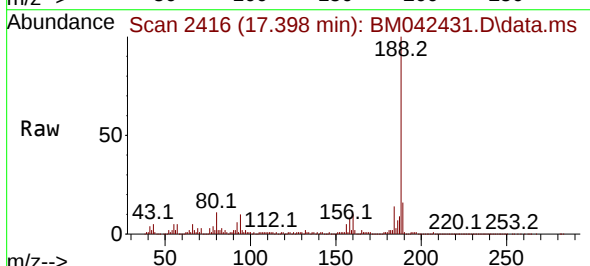
Manual Integrations
APPROVED

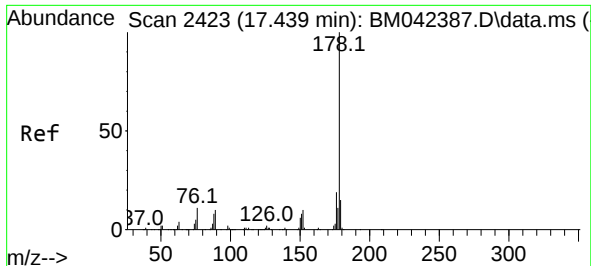
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.398 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

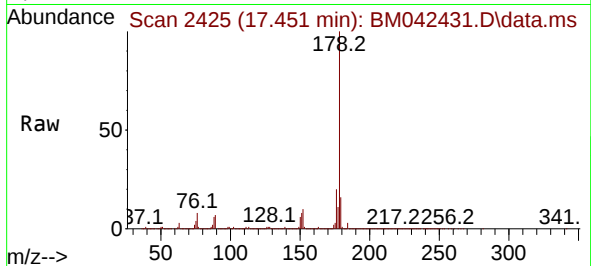
Tgt Ion:188 Resp: 691173
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.0
80 11.2 10.7 16.1





#71
Phenanthrene
Concen: 229.367 ng
RT: 17.451 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

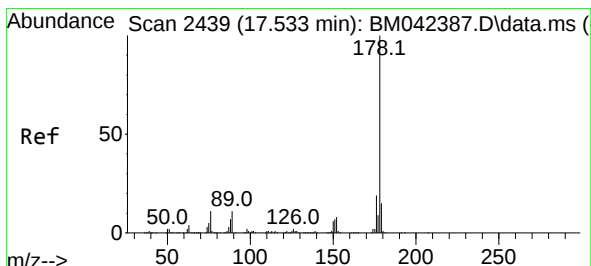
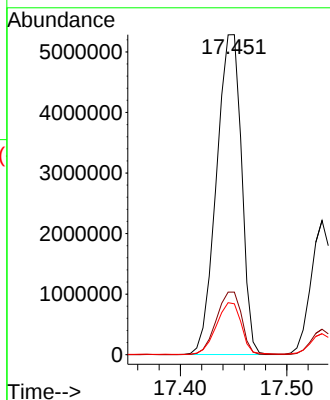
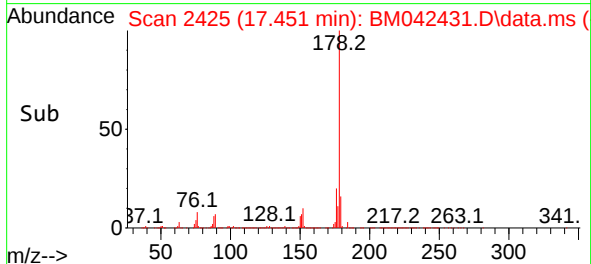
Instrument :
BNA_M
ClientSampleId :
M-3(0-5)



Tgt Ion:178 Resp: 8624219
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.9 12.3 18.5

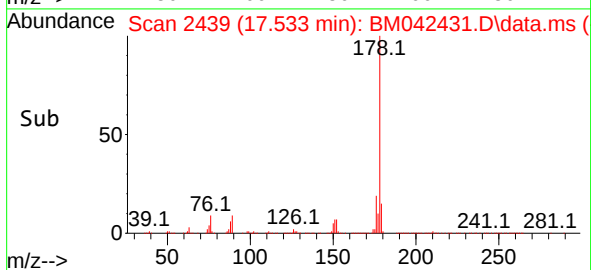
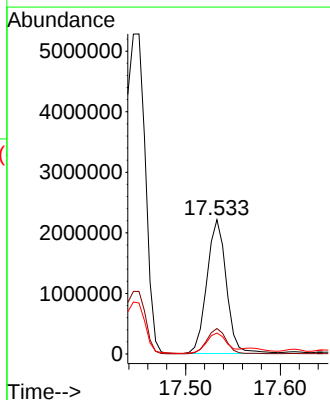
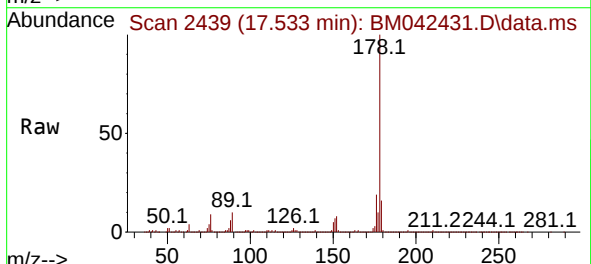
Manual Integrations
APPROVED

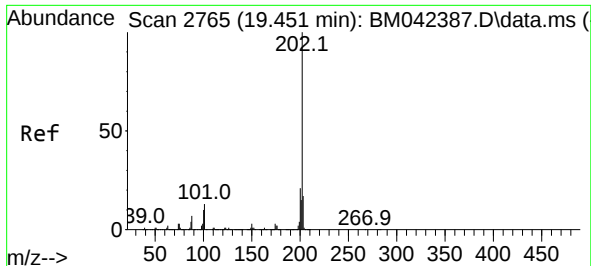
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#72
Anthracene
Concen: 85.093 ng
RT: 17.533 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

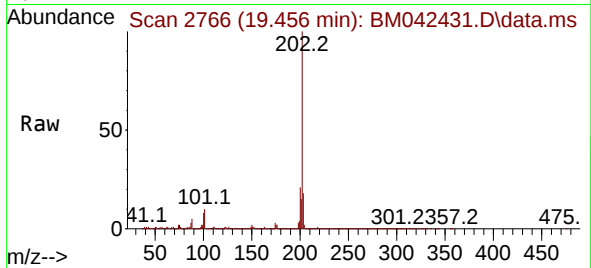
Tgt Ion:178 Resp: 3168722
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.6 12.1 18.1





#75
Fluoranthene
Concen: 132.535 ng
RT: 19.456 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

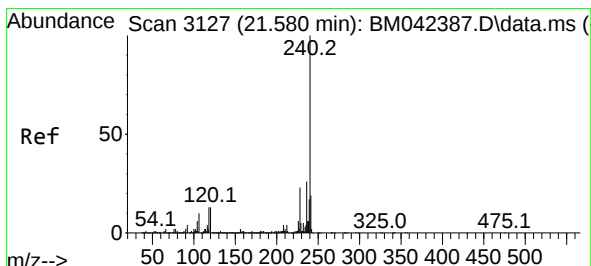
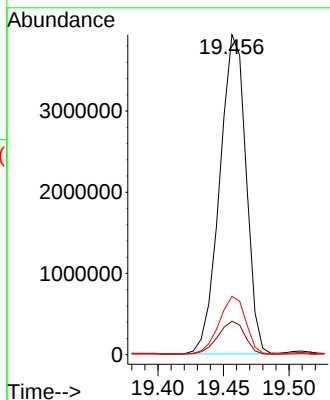
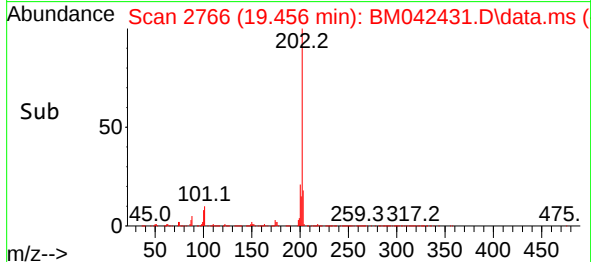
Instrument :
BNA_M
ClientSampleId :
M-3(0-5)



Tgt Ion:202 Resp: 548835
Ion Ratio Lower Upper
202 100
101 10.5 0.0 33.3
203 18.2 0.0 37.5

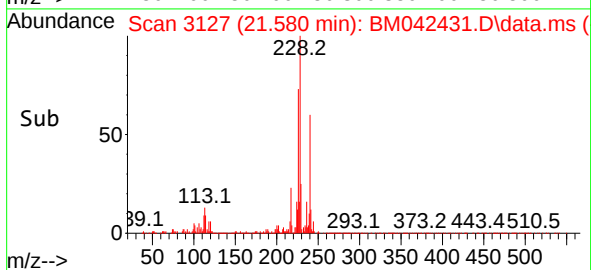
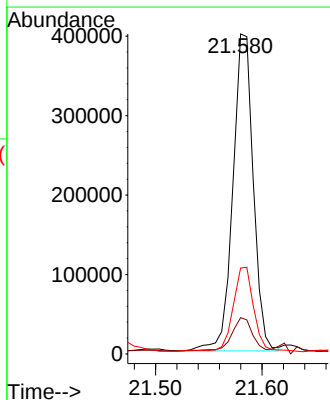
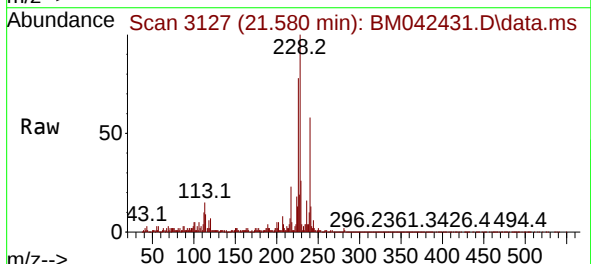
Manual Integrations
APPROVED

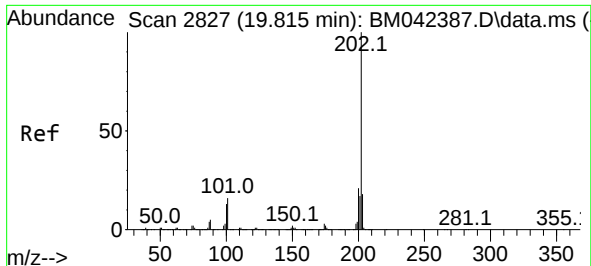
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

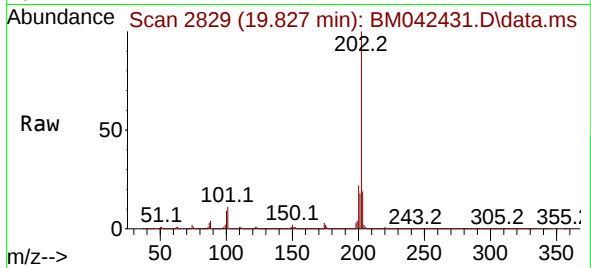
Tgt Ion:240 Resp: 532659
Ion Ratio Lower Upper
240 100
120 11.4 10.7 16.1
236 26.8 20.7 31.1





#78
Pyrene
Concen: 208.136 ng
RT: 19.827 min Scan# 2827
Delta R.T. 0.012 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

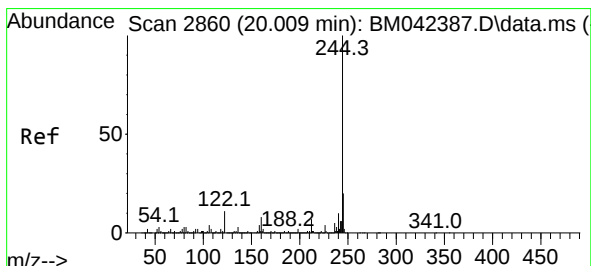
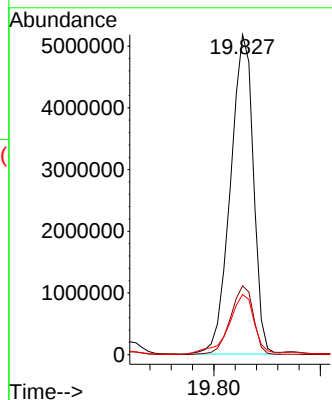
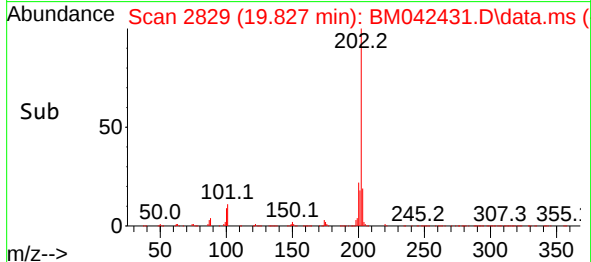
Instrument :
BNA_M
ClientSampleId :
M-3(0-5)



Tgt Ion:202 Resp: 774721
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 18.8 14.1 21.1

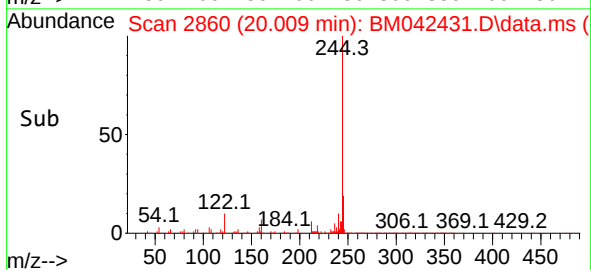
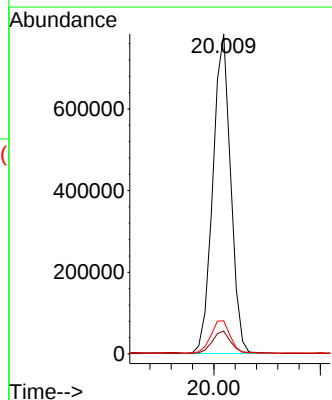
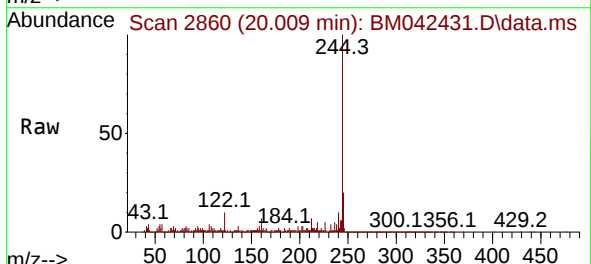
Manual Integrations
APPROVED

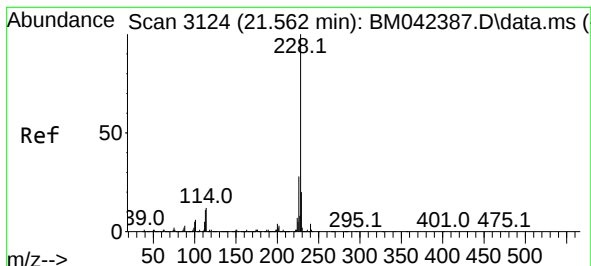
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#79
Terphenyl-d14
Concen: 30.148 ng
RT: 20.009 min Scan# 2860
Delta R.T. 0.000 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

Tgt Ion:244 Resp: 905470
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 10.3 8.8 13.2





#81

Benzo(a)anthracene

Concen: 98.936 ng

RT: 21.568 min Scan# 3125

Delta R.T. 0.006 min

Lab File: BM042431.D

Acq: 24 Oct 2023 22:09

Instrument :

BNA_M

ClientSampleId :

M-3(0-5)

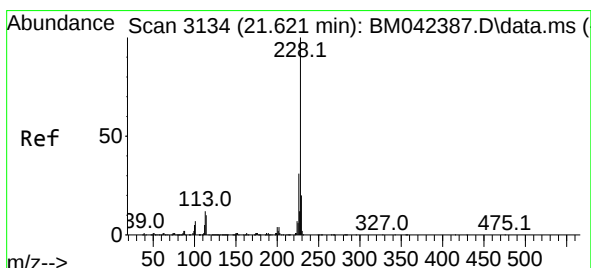
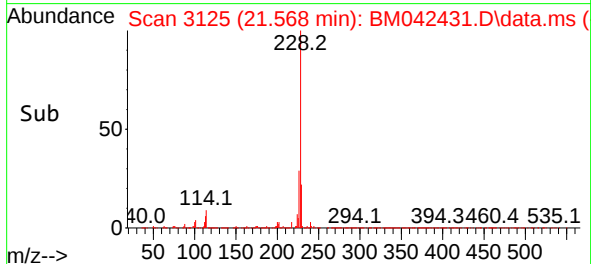
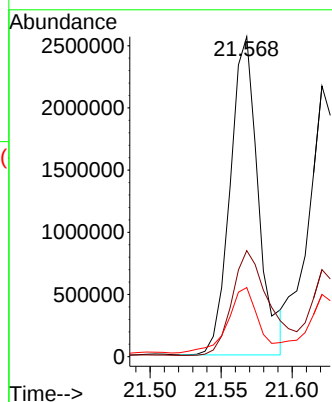
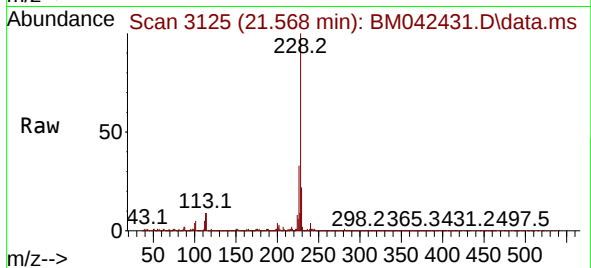
Tgt Ion:228 Resp: 3532854
 Ion Ratio Lower Upper
 228 100
 226 33.2 22.2 33.4
 229 21.6 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2023

Supervised By :mohammad ahmed 10/25/2023



#83

Chrysene

Concen: 88.616 ng

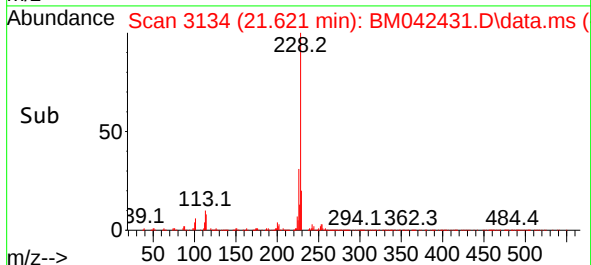
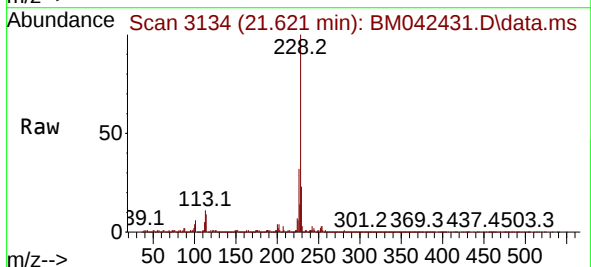
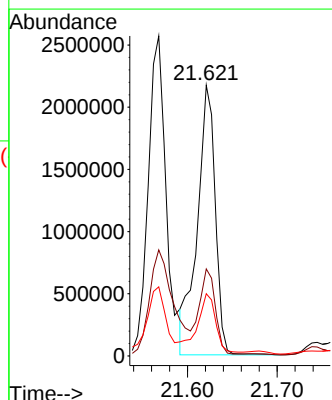
RT: 21.621 min Scan# 3134

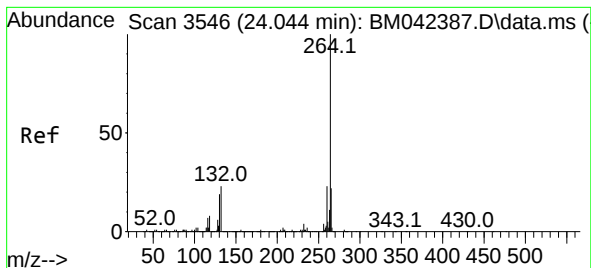
Delta R.T. -0.000 min

Lab File: BM042431.D

Acq: 24 Oct 2023 22:09

Tgt Ion:228 Resp: 3039212
 Ion Ratio Lower Upper
 228 100
 226 32.2 24.6 36.8
 229 23.0 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.050 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM042431.D

Acq: 24 Oct 2023 22:09

Instrument :

BNA_M

ClientSampleId :

M-3(0-5)

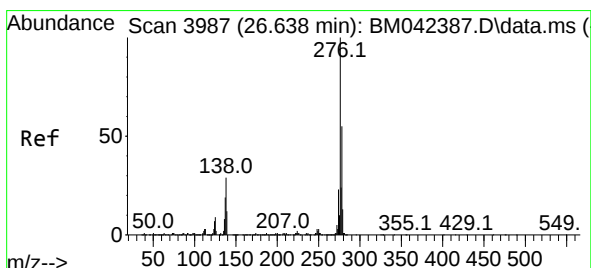
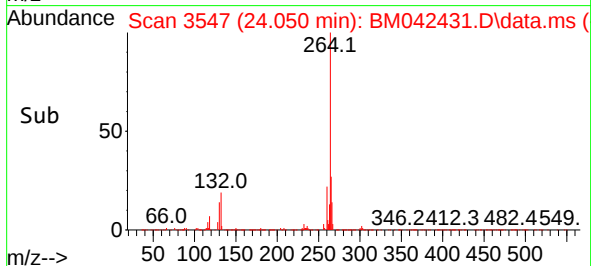
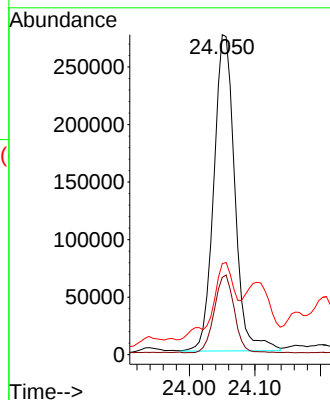
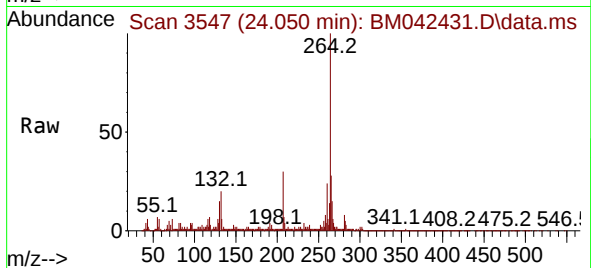
Tgt Ion:264	Resp: 60968
Ion Ratio	Lower Upper
264 100	
260 24.1	18.6 27.8
265 28.5	17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2023

Supervised By :mohammad ahmed 10/25/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 30.709 ng

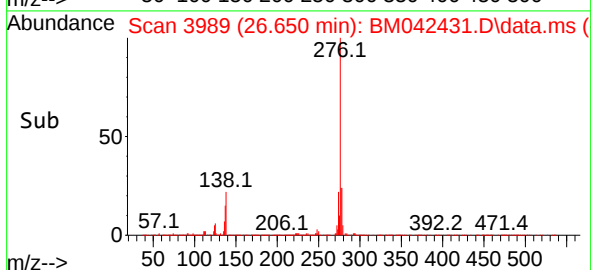
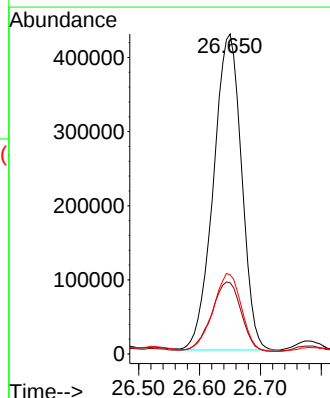
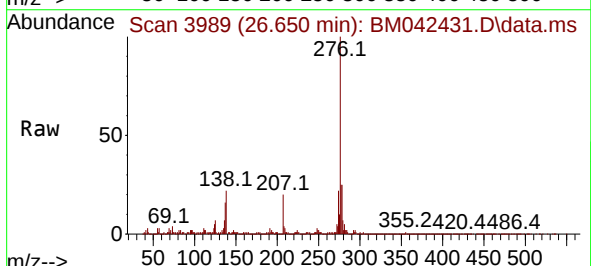
RT: 26.650 min Scan# 3989

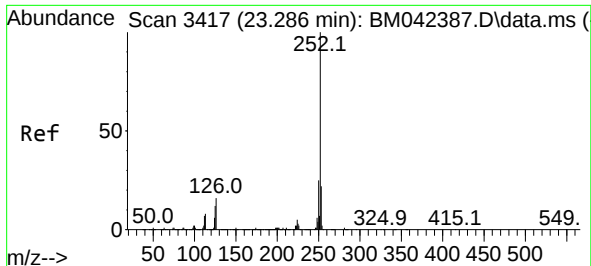
Delta R.T. 0.012 min

Lab File: BM042431.D

Acq: 24 Oct 2023 22:09

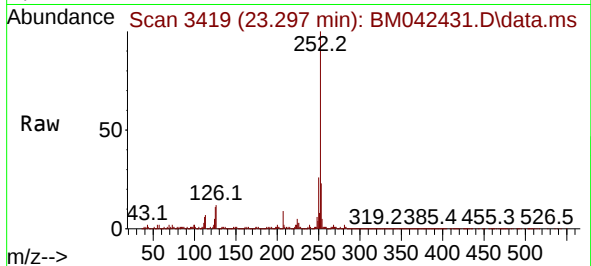
Tgt Ion:276	Resp: 1368238
Ion Ratio	Lower Upper
276 100	
138 23.1	25.6 38.4
277 25.1	20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 76.103 ng m
RT: 23.297 min Scan# 3417
Delta R.T. 0.012 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

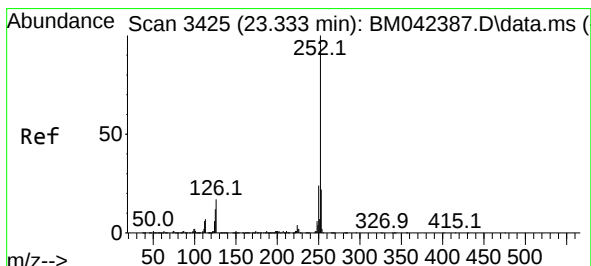
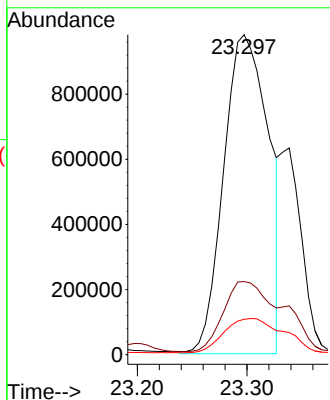
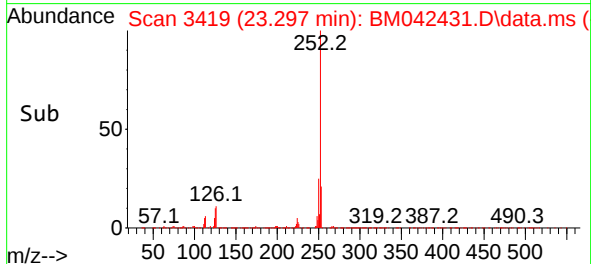
Instrument :
BNA_M
ClientSampleId :
M-3(0-5)



Tgt Ion:252 Resp: 279283
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 11.1 9.8 14.8

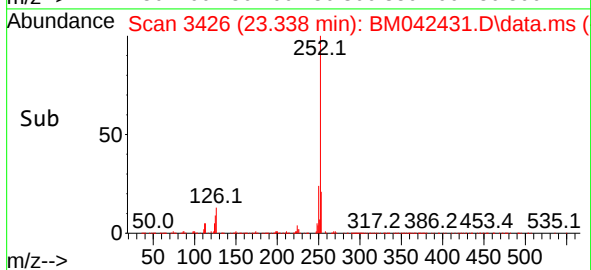
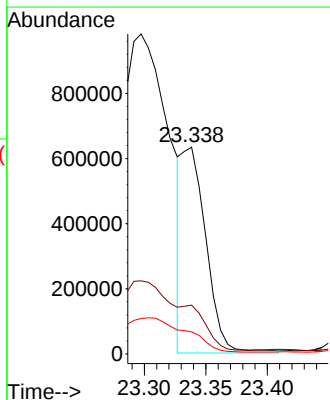
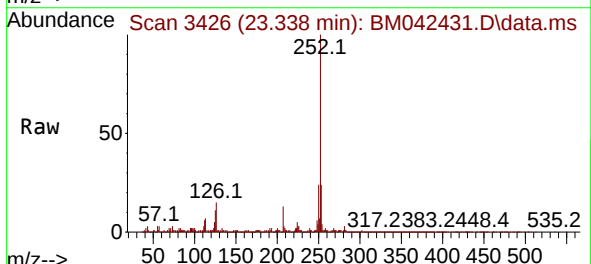
Manual Integrations
APPROVED

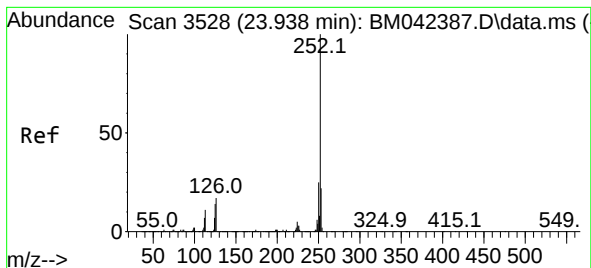
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#89
Benzo(k)fluoranthene
Concen: 22.684 ng m
RT: 23.338 min Scan# 3426
Delta R.T. 0.006 min
Lab File: BM042431.D
Acq: 24 Oct 2023 22:09

Tgt Ion:252 Resp: 864278
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 10.7 10.2 15.2





#90

Benzo(a)pyrene

Concen: 85.853 ng m

RT: 23.950 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM042431.D

Acq: 24 Oct 2023 22:09

Instrument :

BNA_M

ClientSampleId :

M-3(0-5)

Tgt Ion:252 Resp: 3032540

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

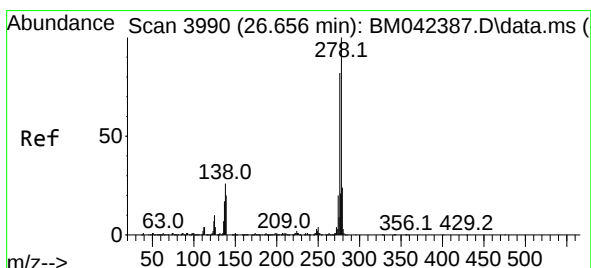
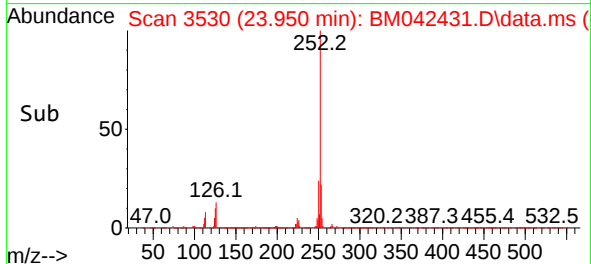
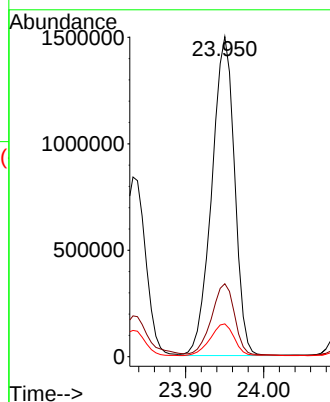
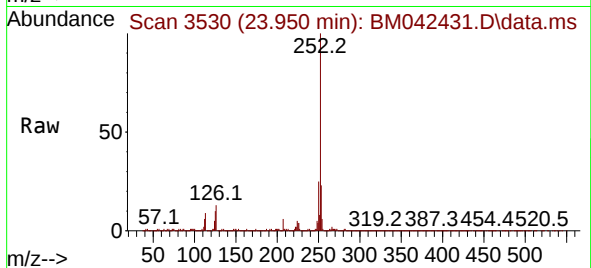
125 10.2 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2023

Supervised By :mohammad ahmed 10/25/2023



#91

Dibenzo(a,h)anthracene

Concen: 11.835 ng

RT: 26.656 min Scan# 3990

Delta R.T. -0.000 min

Lab File: BM042431.D

Acq: 24 Oct 2023 22:09

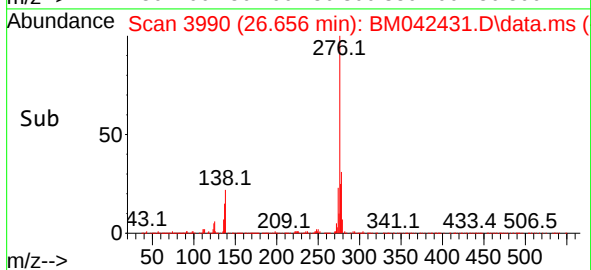
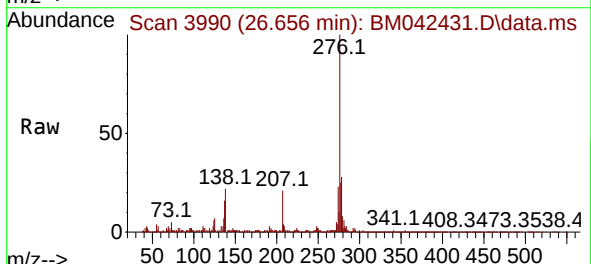
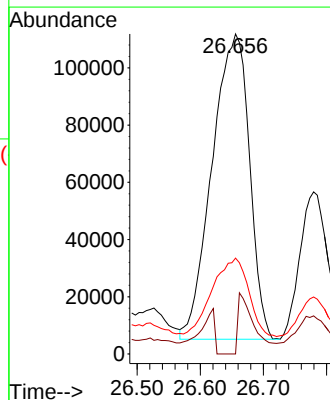
Tgt Ion:278 Resp: 438433

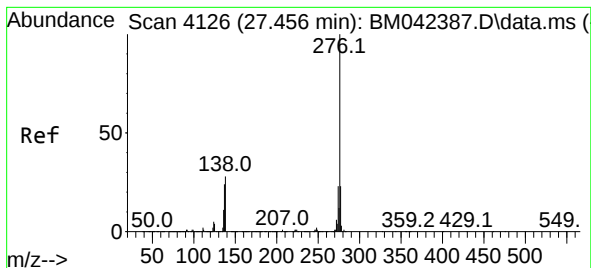
Ion Ratio Lower Upper

278 100

139 0.0 15.6 23.4#

279 29.9 19.0 28.6#





#92

Benzo(g,h,i)perylene

Concen: 41.028 ng

RT: 27.468 min Scan# 41

Delta R.T. 0.012 min

Lab File: BM042431.D

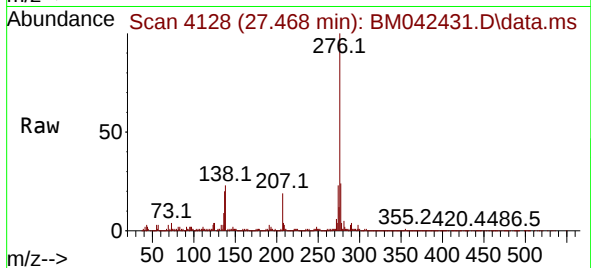
Acq: 24 Oct 2023 22:09

Instrument :

BNA_M

ClientSampleId :

M-3(0-5)



Tgt Ion:276 Resp: 147603

Ion Ratio Lower Upper

276 100

277 24.4 18.3 27.5

138 22.8 22.6 34.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2023

Supervised By :mohammad ahmed 10/25/2023

