

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
 Data File : BM042519.D
 Acq On : 31 Oct 2023 20:10
 Operator : MA/JU
 Sample : 04938-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A-3(0-2)

Manual Integrations
 APPROVED

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

Quant Time: Nov 01 01:49:34 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	91430	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	334024	20.000	ng	-0.01
39) Acenaphthene-d10	14.569	164	190948	20.000	ng	-0.01
64) Phenanthrene-d10	17.321	188	410423	20.000	ng	0.00
76) Chrysene-d12	21.509	240	381654	20.000	ng	0.00
86) Perylene-d12	23.933	264	416195	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	428049	75.557	ng	0.00
7) Phenol-d6	7.093	99	551328	70.959	ng	0.00
23) Nitrobenzene-d5	9.122	82	388751	54.254	ng	-0.01
42) 2,4,6-Tribromophenol	16.069	330	187683	75.284	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	612513	43.163	ng	0.00
79) Terphenyl-d14	19.939	244	797630	35.437	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.087	77	15499	3.461	ng	96
15) Benzyl Alcohol	8.193	79	42204	7.673	ng	98
22) Acetophenone	8.775	105	18763	2.227	ng	# 89
32) Benzoic acid	9.987	122	7232	5.787	ng	92
49) Acenaphthylene	14.304	152	51168	2.885	ng	97
50) Dimethylphthalate	14.039	163	467410	32.751	ng	99
71) Phenanthrene	17.363	178	432305	20.156	ng	100
72) Anthracene	17.457	178	97132	4.572	ng	100
73) Carbazole	17.745	167	66211	3.831	ng	98
75) Fluoranthene	19.380	202	1143886	45.402	ng	98
78) Pyrene	19.745	202	1040030	39.685	ng	99
80) Butylbenzylphthalate	20.627	149	27515	2.458	ng	# 81
81) Benzo(a)anthracene	21.492	228	471038	19.398	ng	98
83) Chrysene	21.545	228	465938	18.890	ng	98
84) Bis(2-ethylhexyl)phtha...	21.374	149	233526	13.805	ng	99
87) Indeno(1,2,3-cd)pyrene	26.456	276	378309	15.272	ng	# 92
88) Benzo(b)fluoranthene	23.186	252	693145	29.894	ng	98
89) Benzo(k)fluoranthene	23.227	252	252830m	9.785	ng	
90) Benzo(a)pyrene	23.821	252	458331	20.077	ng	97
91) Dibenzo(a,h)anthracene	26.468	278	81237	7.384	ng	# 89
92) Benzo(g,h,i)perylene	27.250	276	408911	18.730	ng	99

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

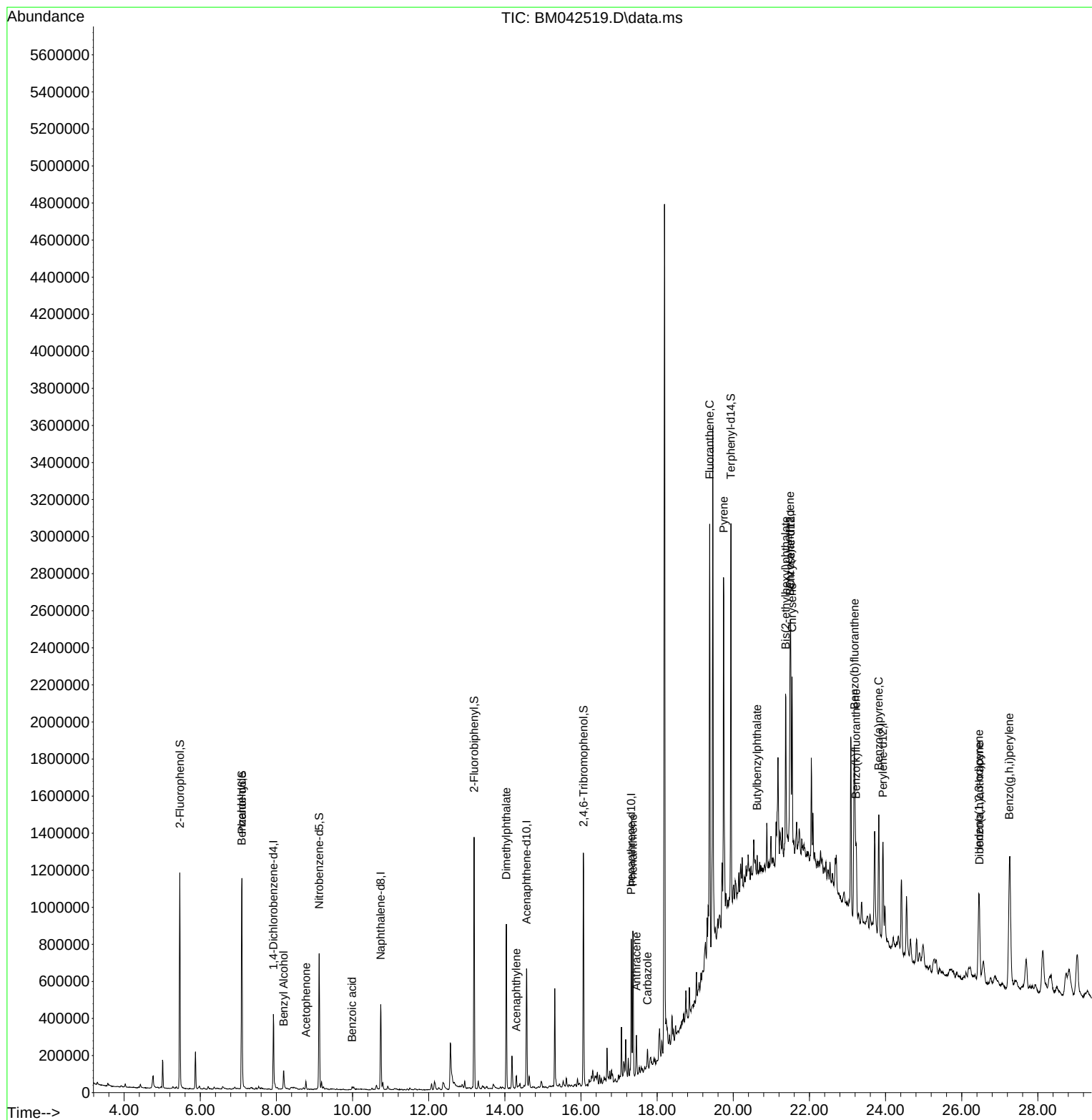
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042519.D
Acq On : 31 Oct 2023 20:10
Operator : MA/JU
Sample : 04938-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

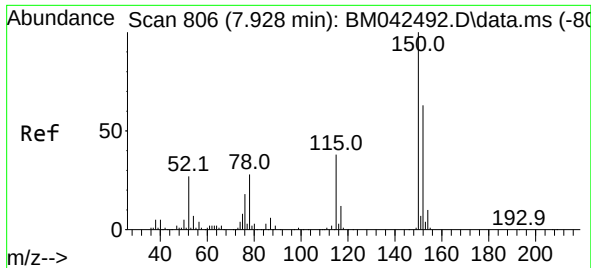
Instrument :
BNA_M
ClientSampleId :
A-3(0-2)

Quant Time: Nov 01 01:49:34 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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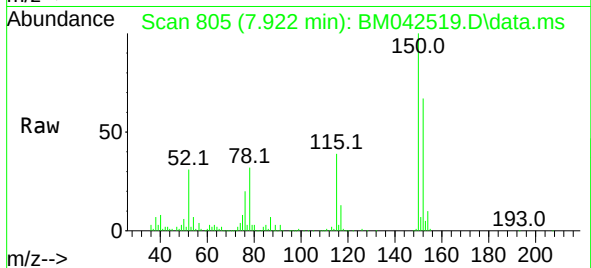
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

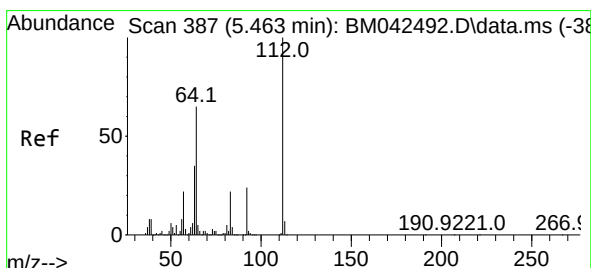
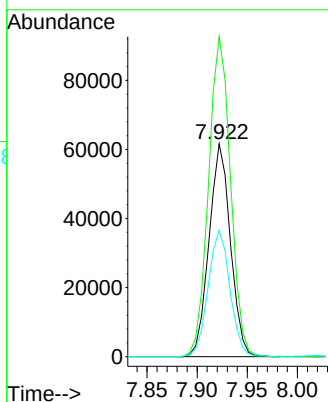
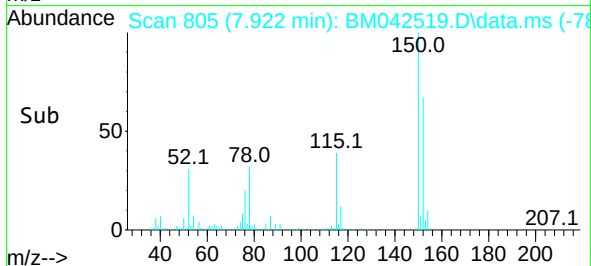
Instrument :
BNA_M
ClientSampleId :
A-3(0-2)



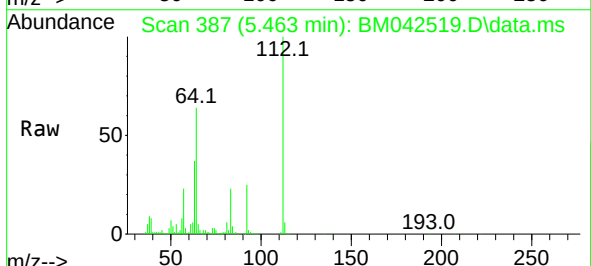
Tgt Ion:152 Resp: 91430
Ion Ratio Lower Upper
152 100
150 150.3 127.4 191.0
115 59.3 47.9 71.9

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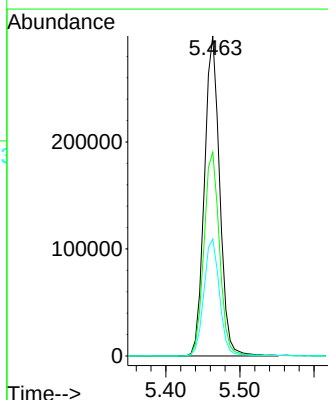
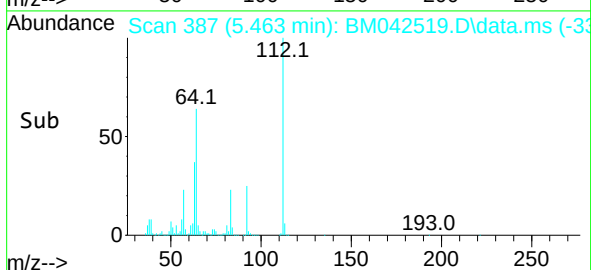
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

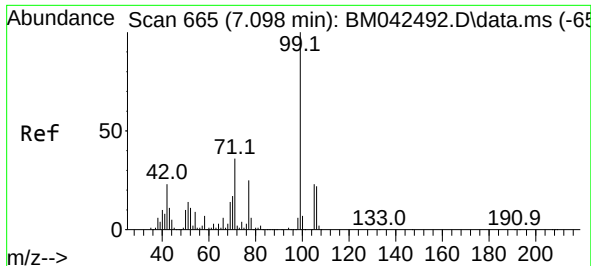


#5
2-Fluorophenol
Concen: 75.557 ng
RT: 5.463 min Scan# 387
Delta R.T. 0.000 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10



Tgt Ion:112 Resp: 428049
Ion Ratio Lower Upper
112 100
64 63.7 52.1 78.1
63 36.5 28.3 42.5





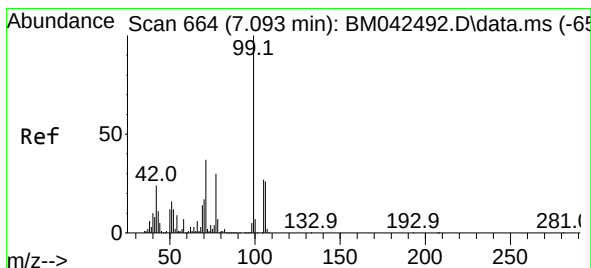
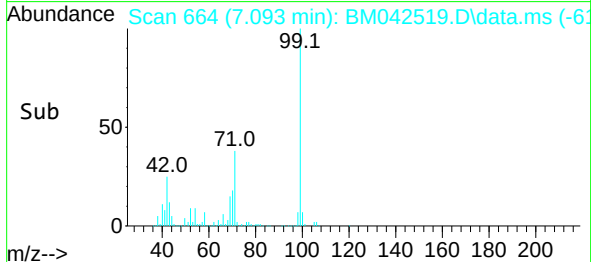
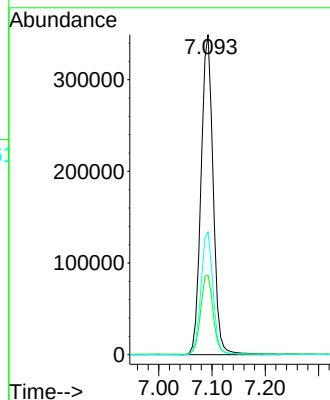
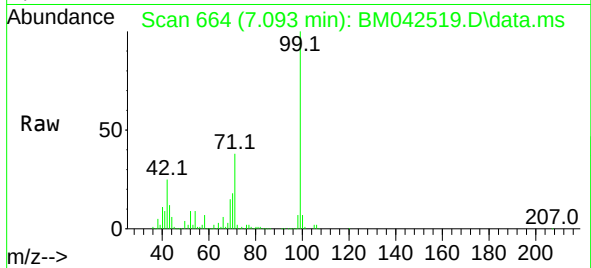
#7
Phenol-d6
Concen: 70.959 ng
RT: 7.093 min Scan# 664
Delta R.T. -0.006 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_M
ClientSampleId :
A-3(0-2)

Tgt Ion: 99 Resp: 551328
Ion Ratio Lower Upper
99 100
42 24.9 18.7 28.1
71 38.4 29.1 43.7

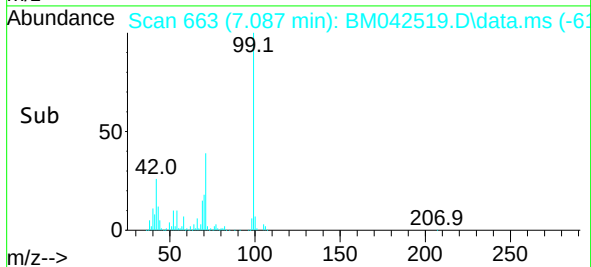
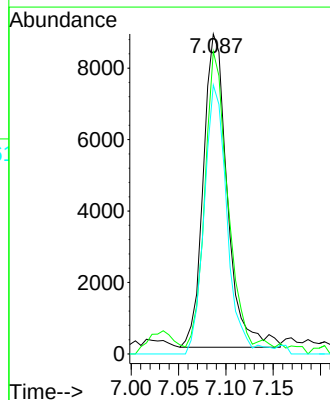
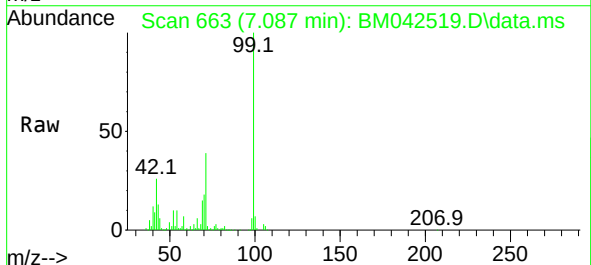
Manual Integrations
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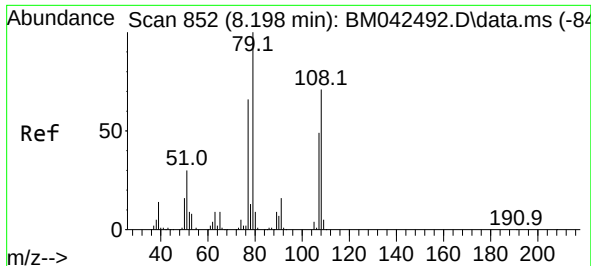
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#9
Benzaldehyde
Concen: 3.461 ng
RT: 7.087 min Scan# 663
Delta R.T. -0.006 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

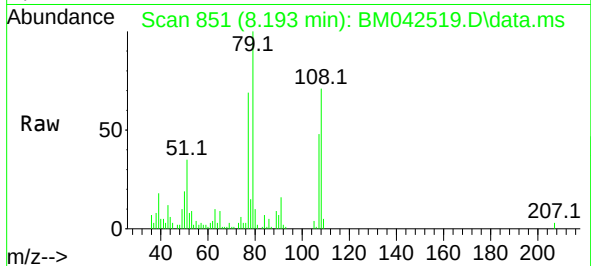
Tgt Ion: 77 Resp: 15499
Ion Ratio Lower Upper
77 100
105 94.5 69.7 109.7
106 84.0 66.4 106.4





#15
Benzyl Alcohol
Concen: 7.673 ng
RT: 8.193 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

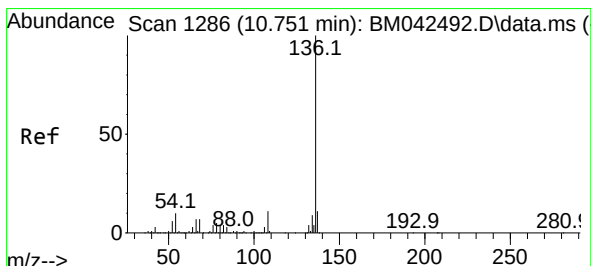
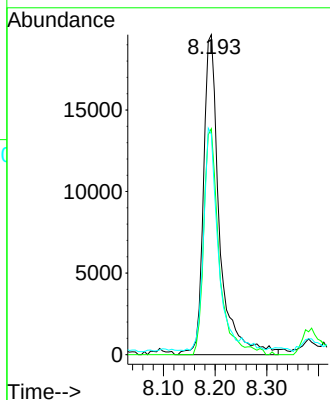
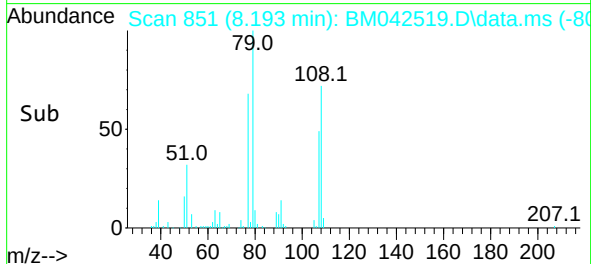
Instrument :
BNA_M
ClientSampleId :
A-3(0-2)



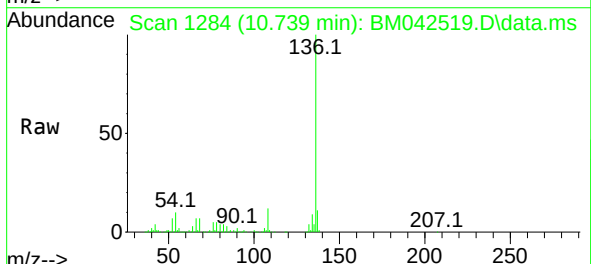
Tgt Ion: 79 Resp: 42204
Ion Ratio Lower Upper
79 100
108 70.6 56.8 85.2
77 68.9 53.0 79.4

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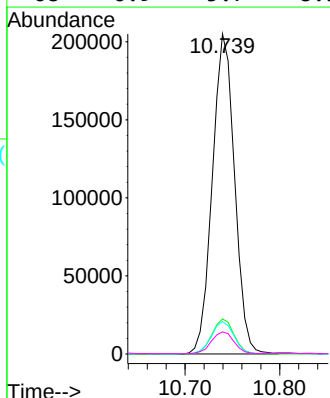
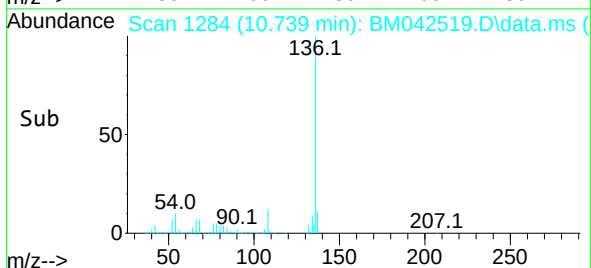
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

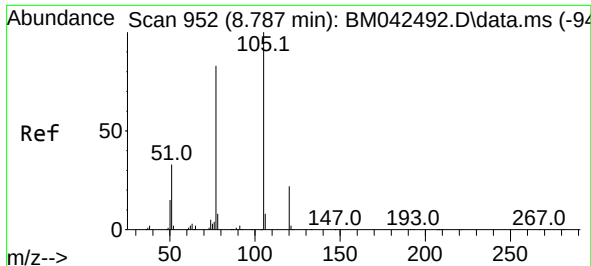


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10



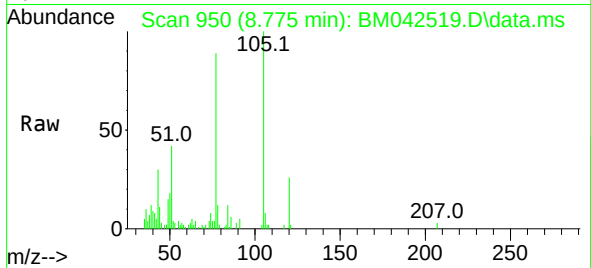
Tgt Ion:136 Resp: 334024
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 10.1 8.0 12.0
68 6.9 5.7 8.5





#22
Acetophenone
Concen: 2.227 ng
RT: 8.775 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

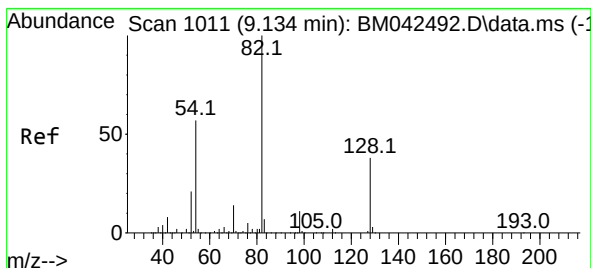
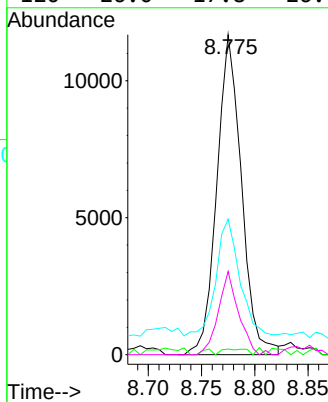
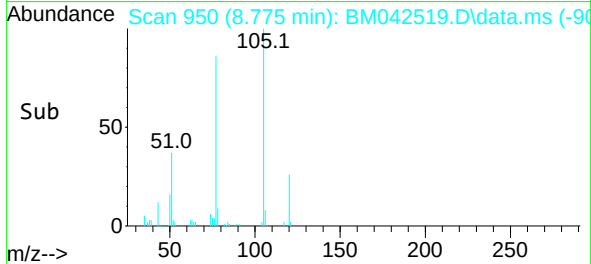
Instrument :
BNA_M
ClientSampleId :
A-3(0-2)



Tgt Ion:105 Resp: 1876
Ion Ratio Lower Upper
105 100
71 1.8 0.2 0.2
51 42.4 27.6 41.4
120 26.0 17.8 26.6

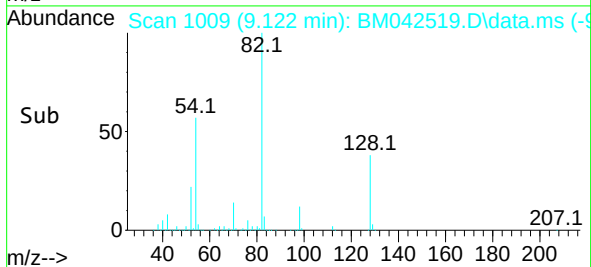
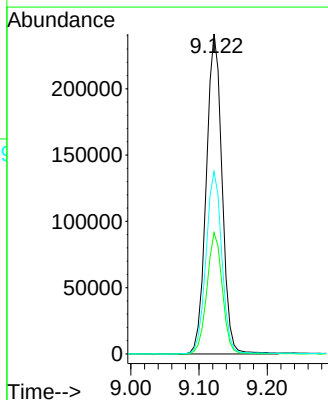
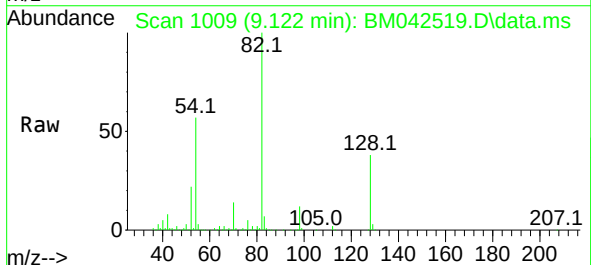
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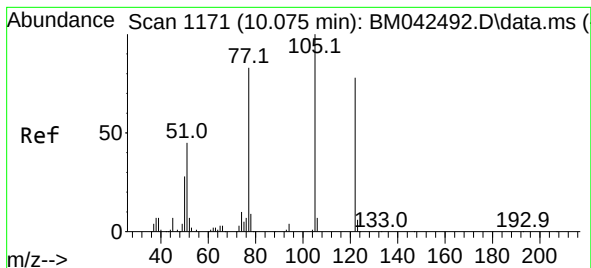
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#23
Nitrobenzene-d5
Concen: 54.254 ng
RT: 9.122 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

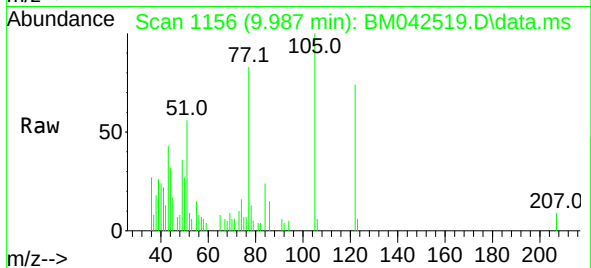
Tgt Ion: 82 Resp: 388751
Ion Ratio Lower Upper
82 100
128 37.9 30.7 46.1
54 57.0 45.3 67.9





#32
Benzoic acid
Concen: 5.787 ng
RT: 9.987 min Scan# 1171
Delta R.T. -0.088 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

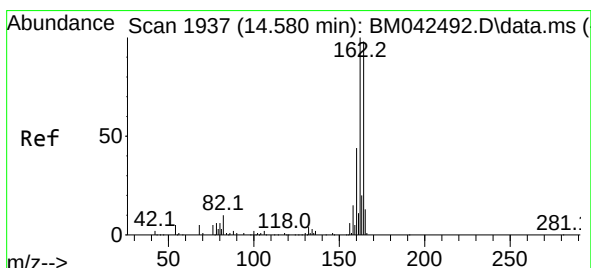
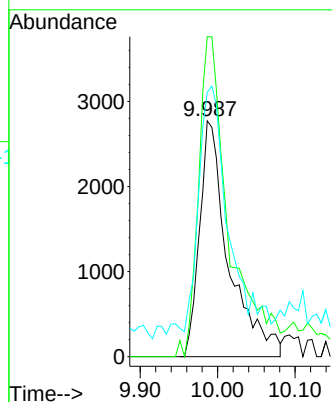
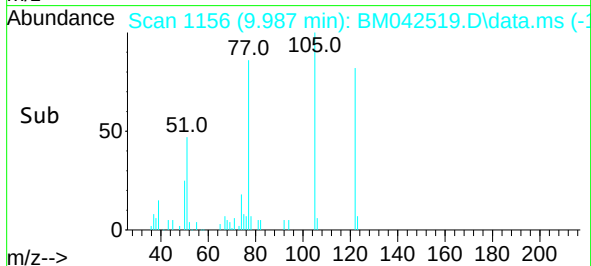
Instrument :
BNA_M
ClientSampleId :
A-3(0-2)



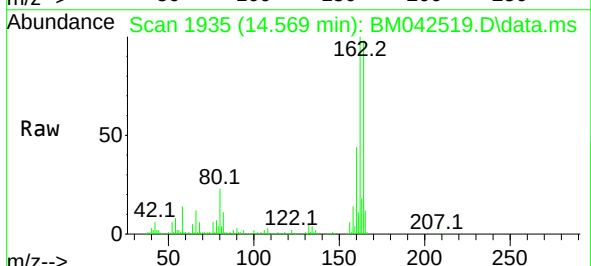
Tgt Ion:122 Resp: 723
Ion Ratio Lower Upper
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105 135.7 105.2 145.2
77 112.1 84.8 124.8

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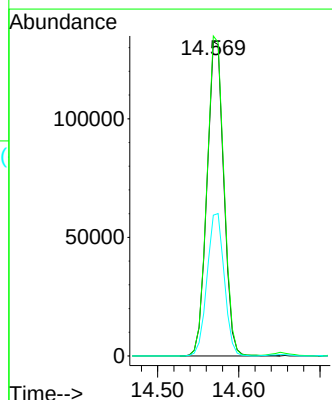
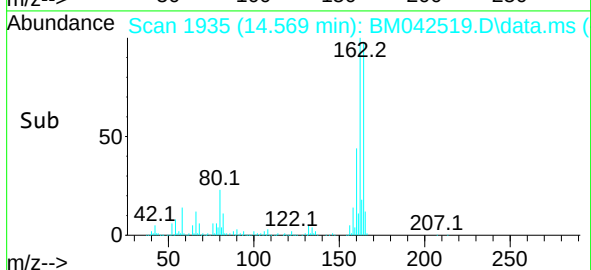
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

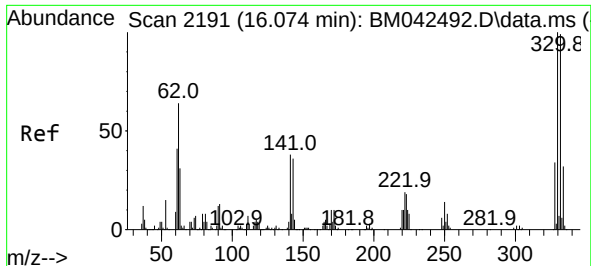


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1935
Delta R.T. -0.011 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10



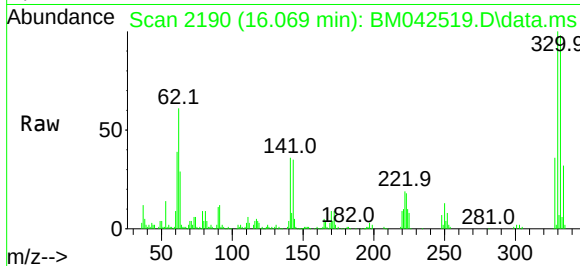
Tgt Ion:164 Resp: 190948
Ion Ratio Lower Upper
164 100
162 101.8 81.6 122.4
160 44.8 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 75.284 ng
RT: 16.069 min Scan# 2191
Delta R.T. -0.005 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

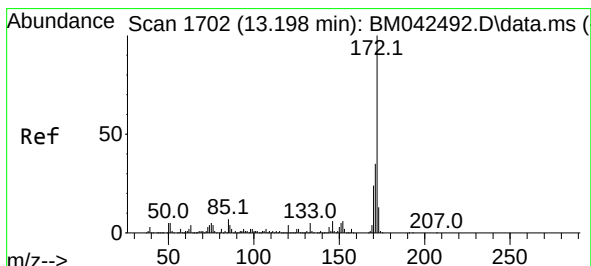
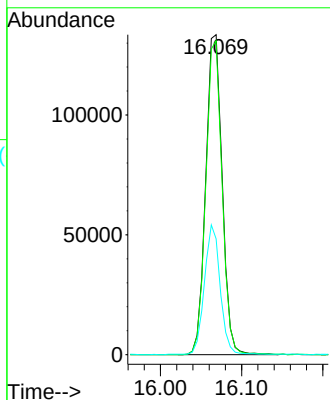
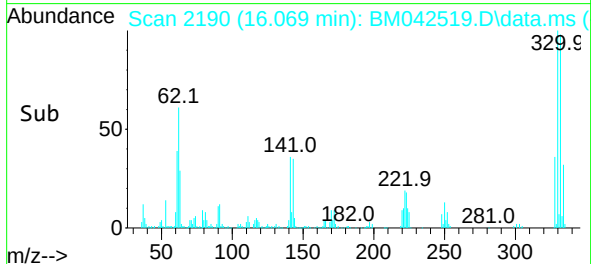
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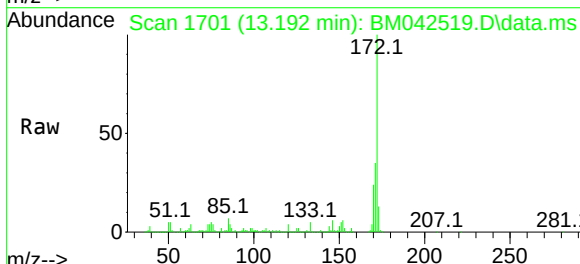
Tgt Ion:330 Resp: 18768
Ion Ratio Lower Upper
330 100
332 96.8 78.8 118.2
141 39.4 31.1 46.7

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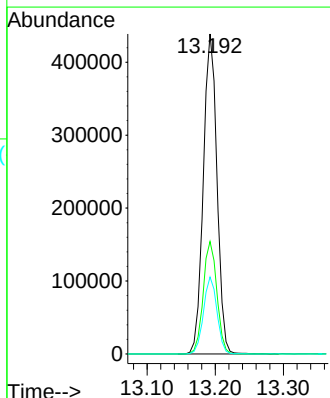
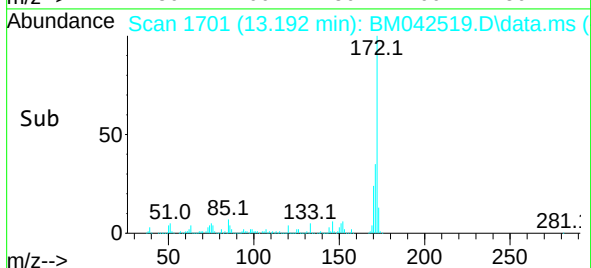
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

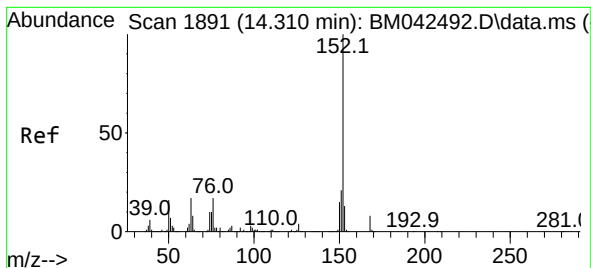


#45
2-Fluorobiphenyl
Concen: 43.163 ng
RT: 13.192 min Scan# 1701
Delta R.T. -0.006 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10



Tgt Ion:172 Resp: 612513
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 24.0 19.0 28.4





#49

Acenaphthylene

Concen: 2.885 ng

RT: 14.304 min Scan# 1890

Delta R.T. -0.006 min

Lab File: BM042519.D

Acq: 31 Oct 2023 20:10

Instrument :

BNA_M

ClientSampleId :

A-3(0-2)

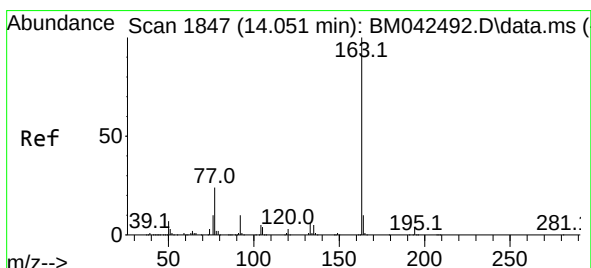
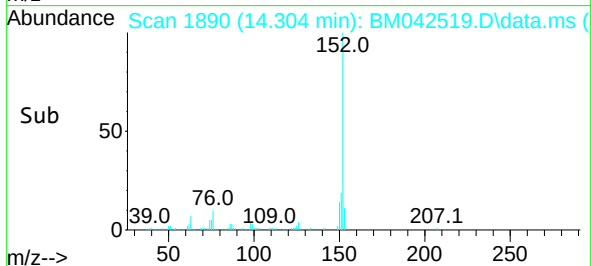
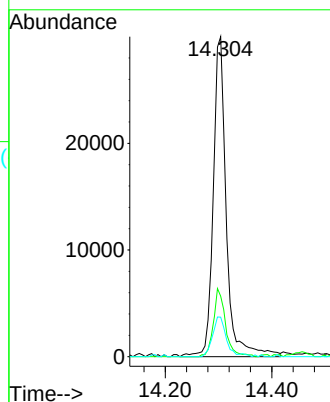
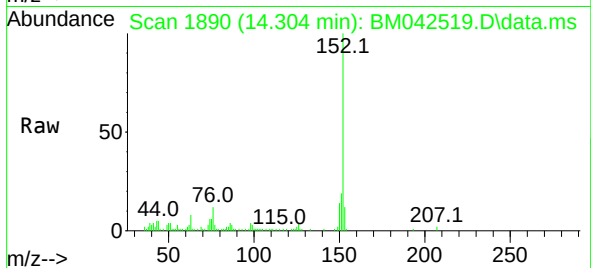
Tgt Ion:152 Resp: 51168
 Ion Ratio Lower Upper
 152 100
 151 18.9 16.4 24.6
 153 12.3 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#50

Dimethylphthalate

Concen: 32.751 ng

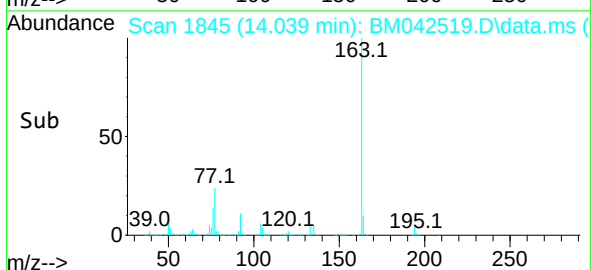
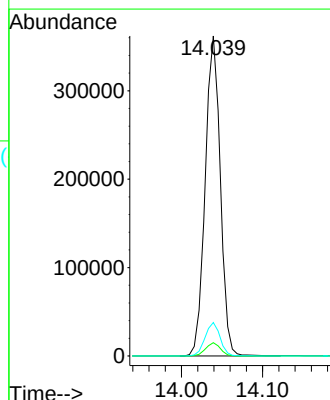
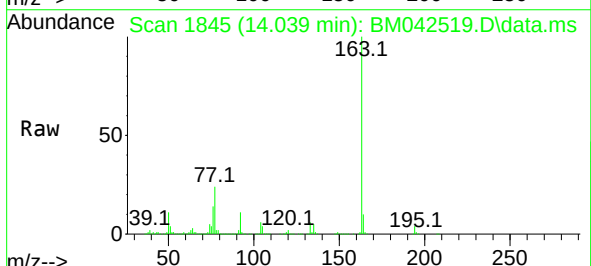
RT: 14.039 min Scan# 1845

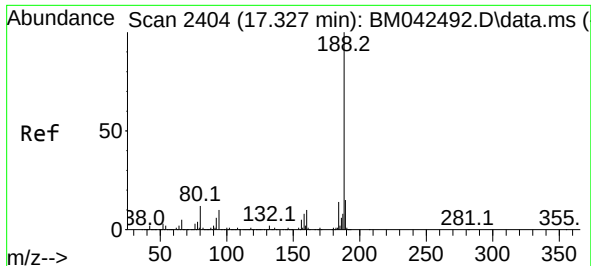
Delta R.T. -0.012 min

Lab File: BM042519.D

Acq: 31 Oct 2023 20:10

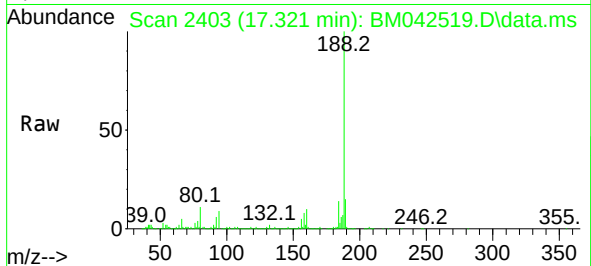
Tgt Ion:163 Resp: 467410
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.2 4.8
 164 10.5 7.8 11.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

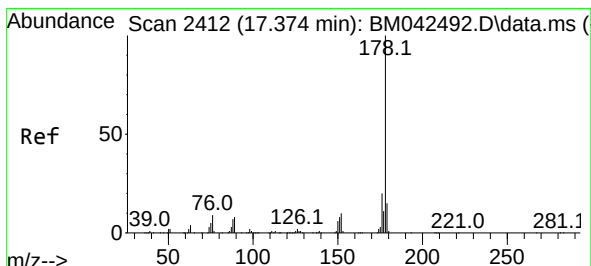
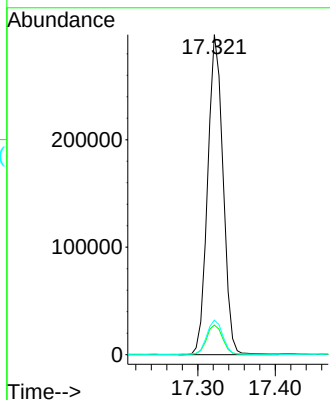
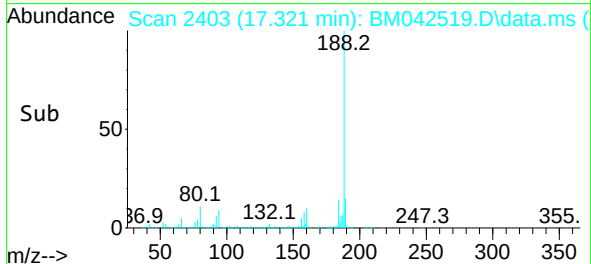
Instrument :
BNA_M
ClientSampleId :
A-3(0-2)



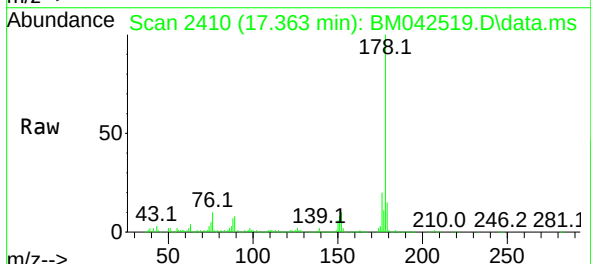
Tgt Ion:188 Resp: 410423
Ion Ratio Lower Upper
188 100
94 9.3 8.2 12.4
80 10.8 9.4 14.2

Manual Integrations
APPROVED

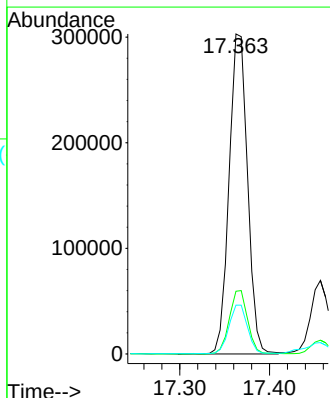
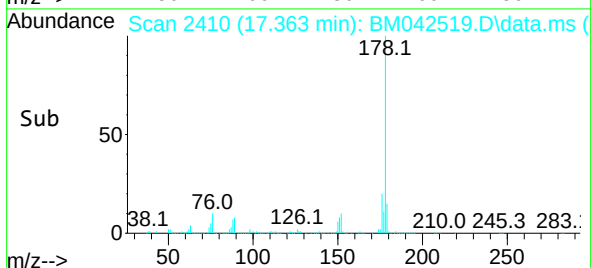
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

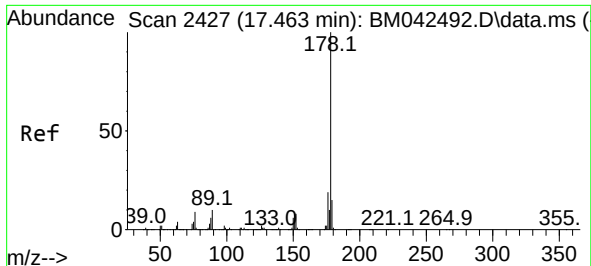


#71
Phenanthrene
Concen: 20.156 ng
RT: 17.363 min Scan# 2410
Delta R.T. -0.012 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10



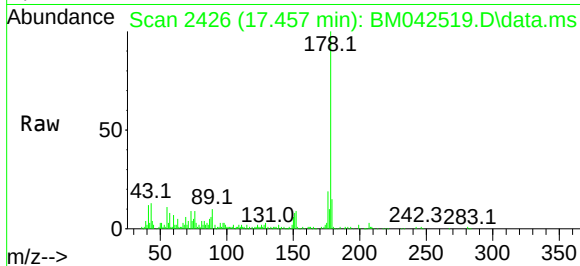
Tgt Ion:178 Resp: 432305
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.3 12.2 18.4





#72
 Anthracene
 Concen: 4.572 ng
 RT: 17.457 min Scan# 2426
 Delta R.T. -0.006 min
 Lab File: BM042519.D
 Acq: 31 Oct 2023 20:10

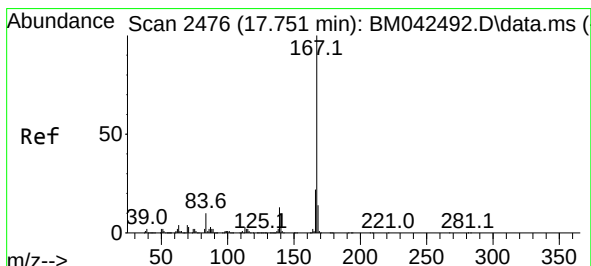
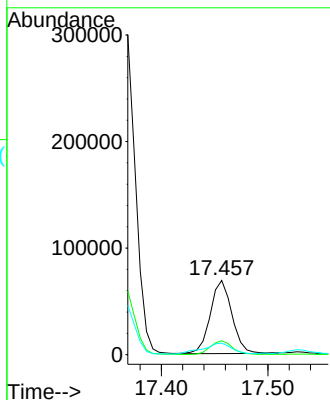
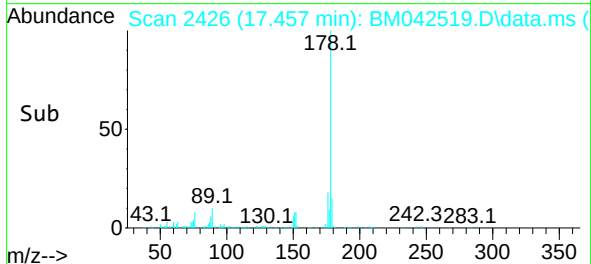
Instrument :
 BNA_M
 ClientSampleId :
 A-3(0-2)



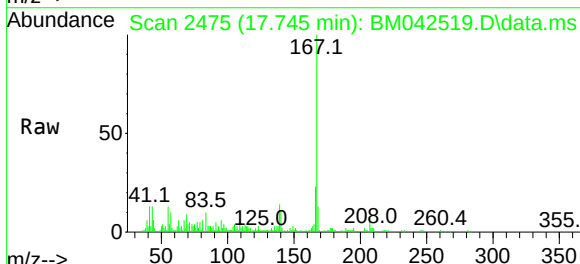
Tgt Ion:178 Resp: 97132
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.2 22.8
 179 15.4 12.3 18.5

Manual Integrations
 APPROVED

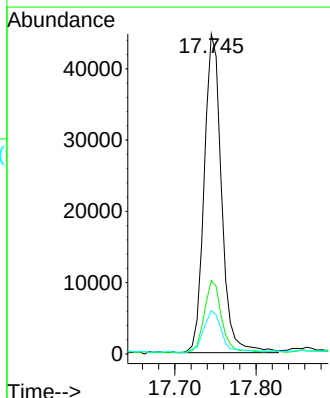
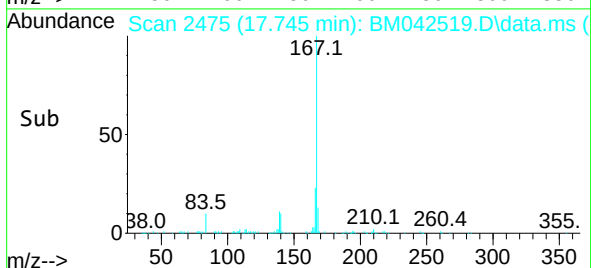
Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

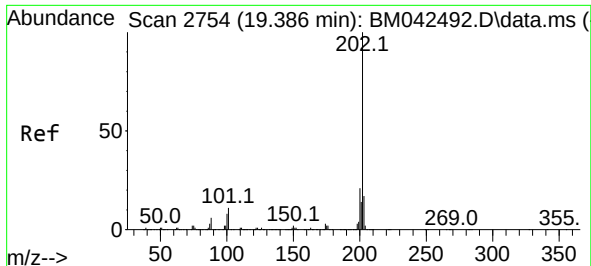


#73
 Carbazole
 Concen: 3.831 ng
 RT: 17.745 min Scan# 2475
 Delta R.T. -0.006 min
 Lab File: BM042519.D
 Acq: 31 Oct 2023 20:10



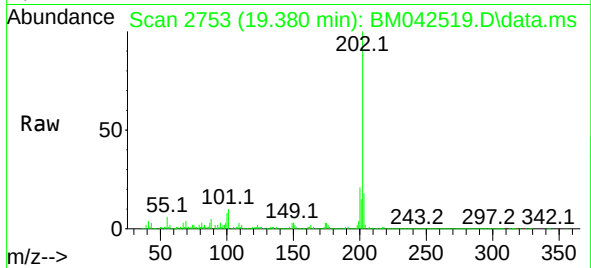
Tgt Ion:167 Resp: 66211
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.4 26.2
 139 13.6 10.5 15.7





#75
Fluoranthene
Concen: 45.402 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

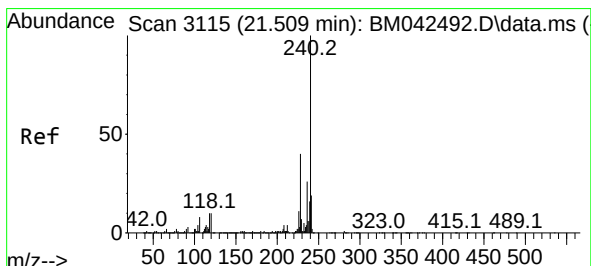
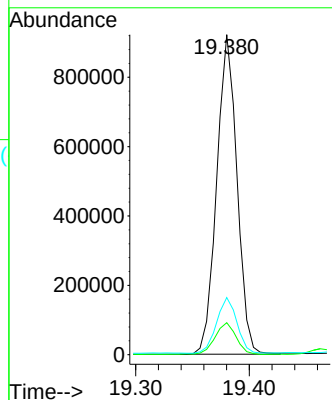
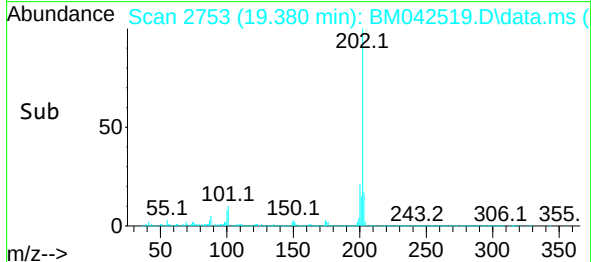
Instrument :
BNA_M
ClientSampleId :
A-3(0-2)



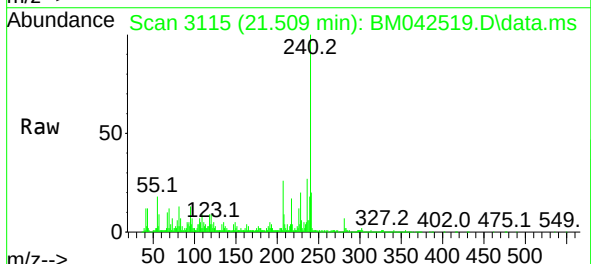
Tgt Ion:202 Resp: 114388
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.5
203 17.8 0.0 37.0

Manual Integrations
APPROVED

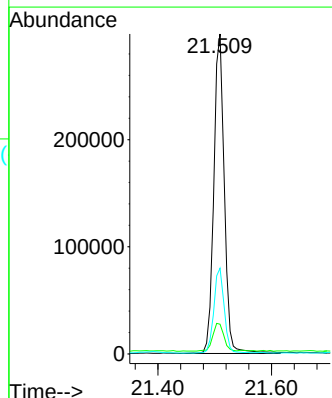
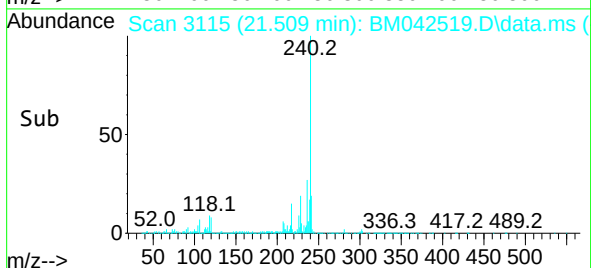
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

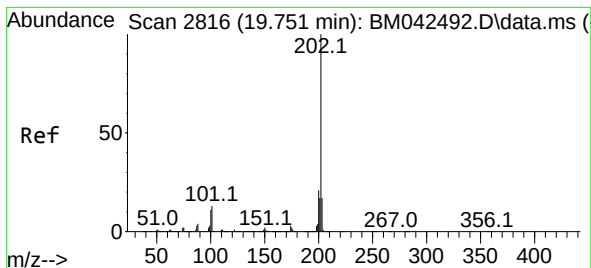


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.509 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10



Tgt Ion:240 Resp: 381654
Ion Ratio Lower Upper
240 100
120 9.3 8.3 12.5
236 26.8 20.8 31.2





#78

Pyrene

Concen: 39.685 ng

RT: 19.745 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM042519.D

Acq: 31 Oct 2023 20:10

Instrument :

BNA_M

ClientSampleId :

A-3(0-2)

Tgt Ion:202 Resp: 1040030

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

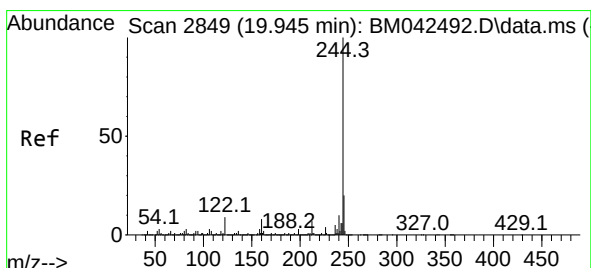
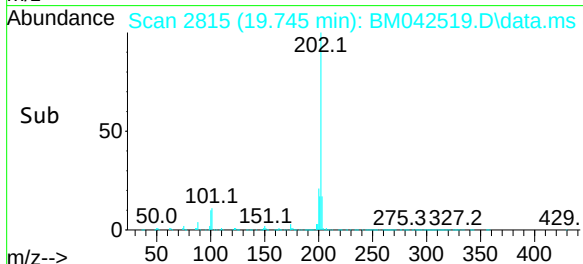
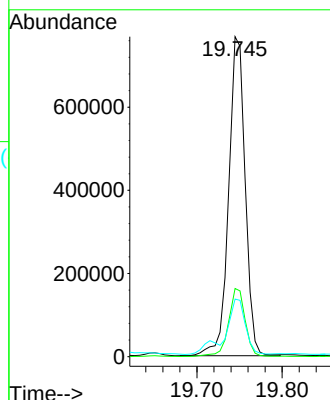
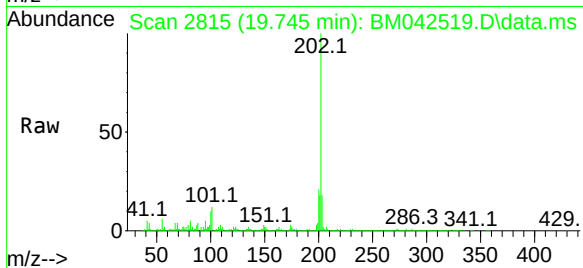
203 18.0 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#79

Terphenyl-d14

Concen: 35.437 ng

RT: 19.939 min Scan# 2848

Delta R.T. -0.006 min

Lab File: BM042519.D

Acq: 31 Oct 2023 20:10

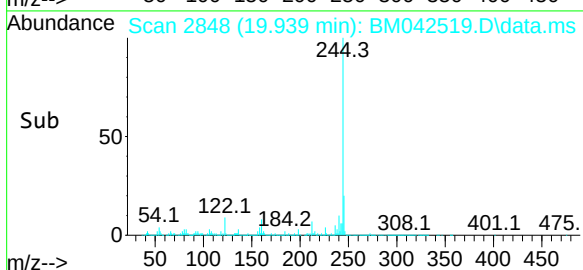
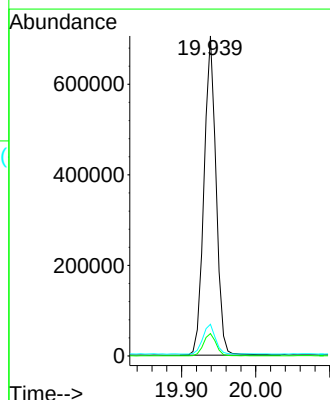
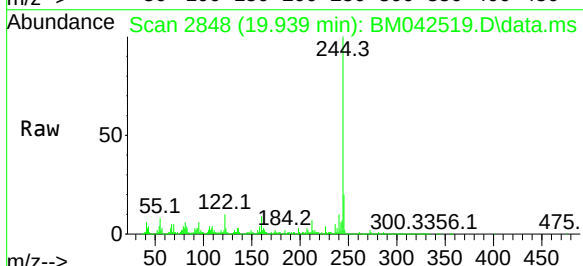
Tgt Ion:244 Resp: 797630

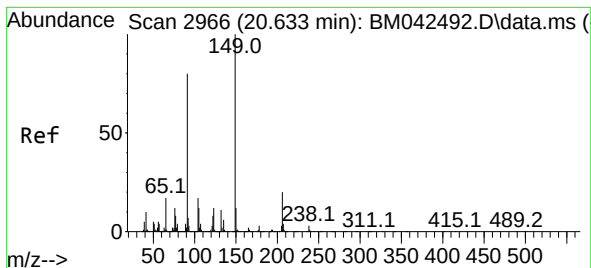
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 9.9 7.2 10.8





#80

Butylbenzylphthalate

Concen: 2.458 ng

RT: 20.627 min Scan# 2965

Delta R.T. -0.006 min

Lab File: BM042519.D

Acq: 31 Oct 2023 20:10

Instrument :

BNA_M

ClientSampleId :

A-3(0-2)

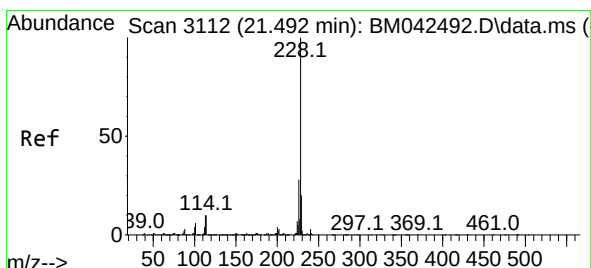
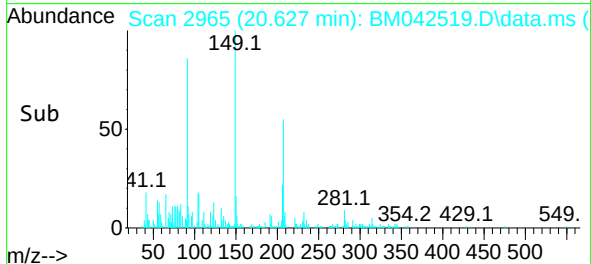
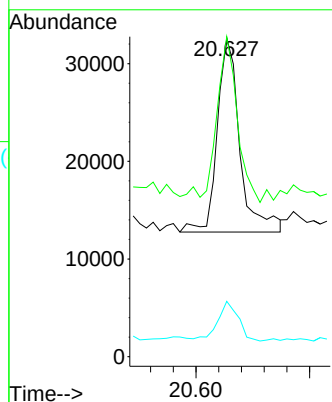
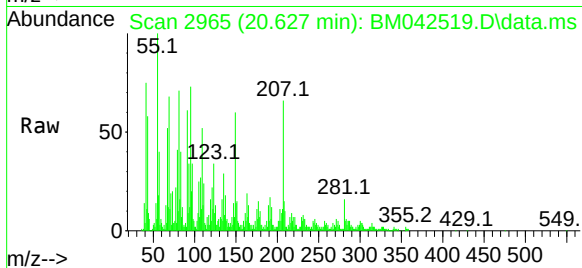
Tgt Ion:	149	Resp:	2751
Ion Ratio	Lower	Upper	
149	100		
91	100.4	64.2	96.4
206	17.4	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#81

Benzo(a)anthracene

Concen: 19.398 ng

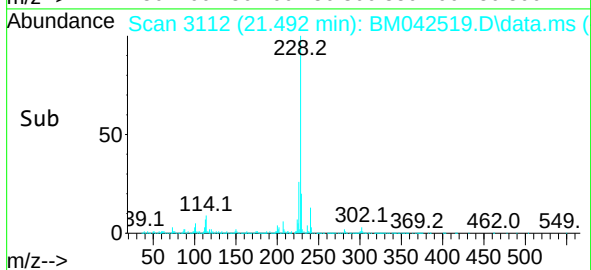
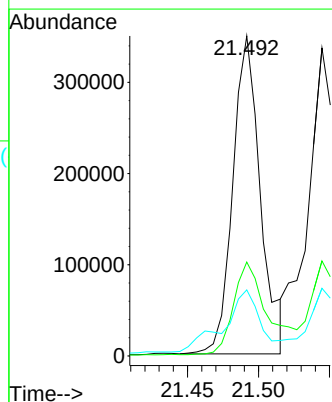
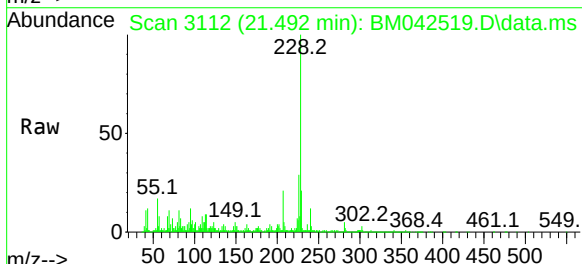
RT: 21.492 min Scan# 3112

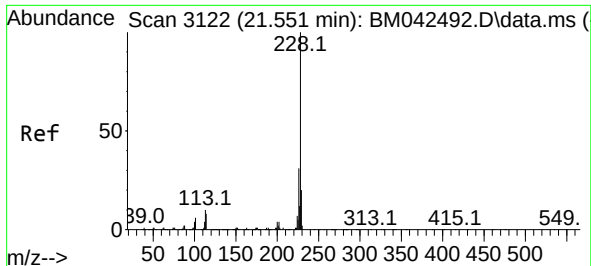
Delta R.T. 0.000 min

Lab File: BM042519.D

Acq: 31 Oct 2023 20:10

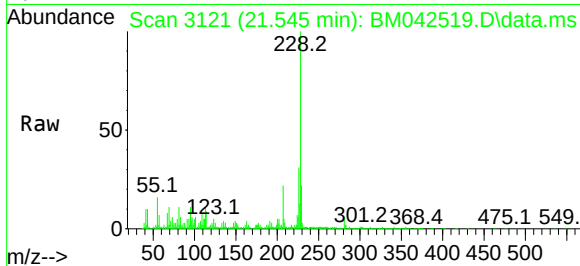
Tgt Ion:	228	Resp:	471038
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.3	33.5
229	20.7	15.8	23.8





#83
Chrysene
Concen: 18.890 ng
RT: 21.545 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

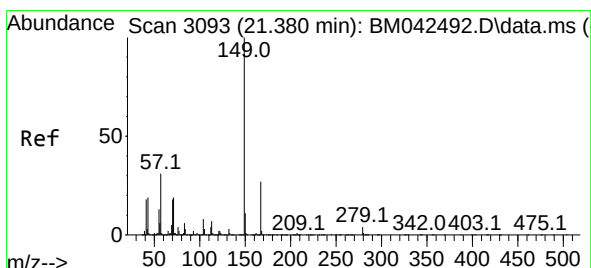
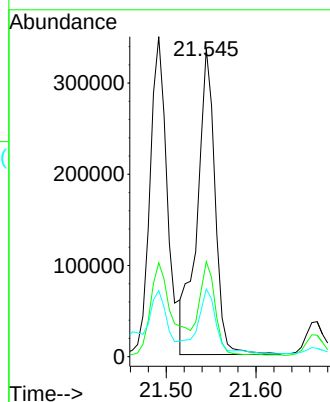
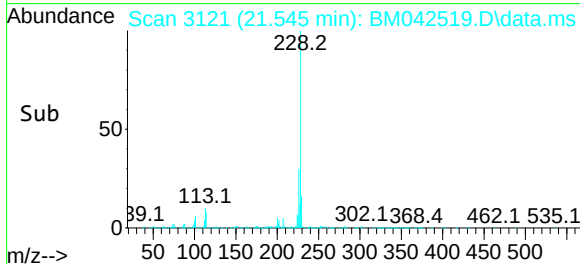
Instrument :
BNA_M
ClientSampleId :
A-3(0-2)



Tgt Ion:228 Resp: 465938
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 22.0 15.7 23.5

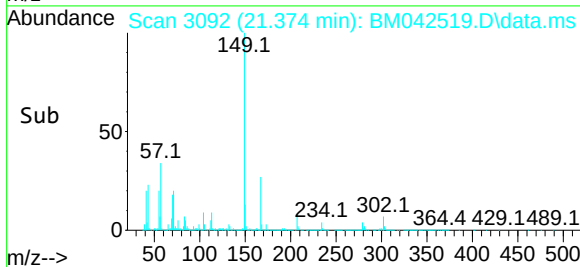
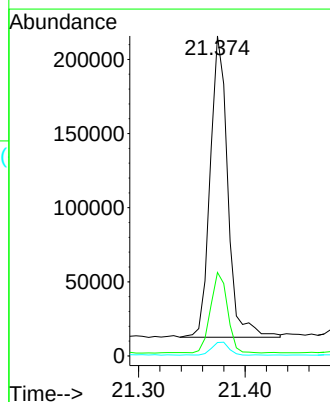
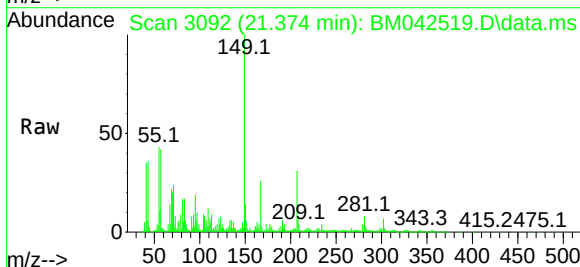
Manual Integrations
APPROVED

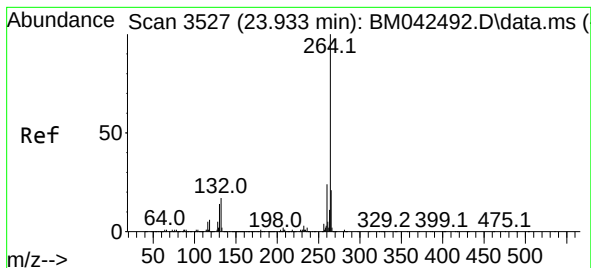
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 13.805 ng
RT: 21.374 min Scan# 3092
Delta R.T. -0.006 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

Tgt Ion:149 Resp: 233526
Ion Ratio Lower Upper
149 100
167 26.1 21.4 32.0
279 4.2 3.4 5.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.933 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM042519.D

Acq: 31 Oct 2023 20:10

Instrument :

BNA_M

ClientSampleId :

A-3(0-2)

Tgt Ion:264 Resp: 41619

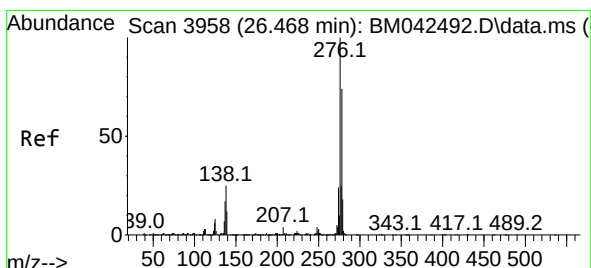
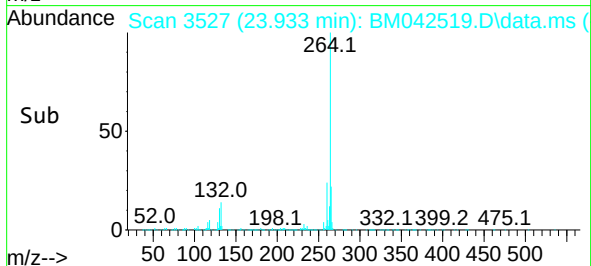
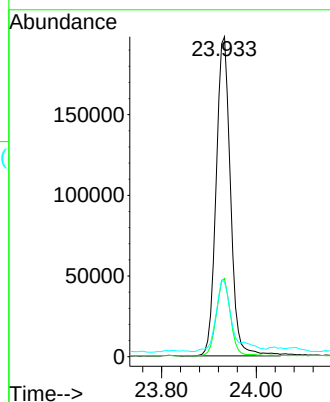
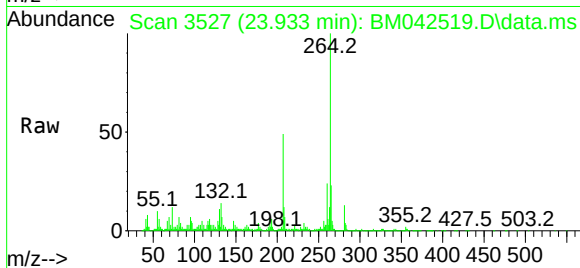
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	23.4	18.7	28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 15.272 ng

RT: 26.456 min Scan# 3956

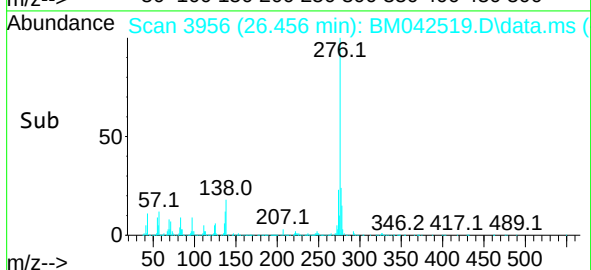
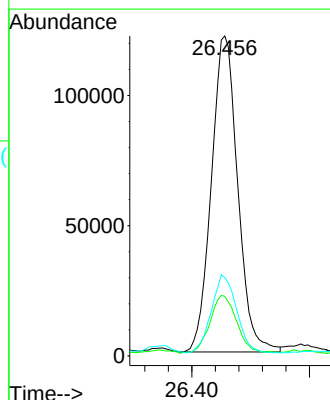
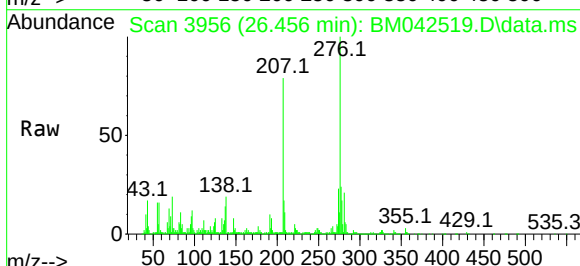
Delta R.T. -0.012 min

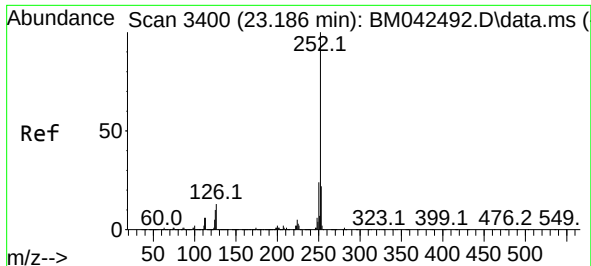
Lab File: BM042519.D

Acq: 31 Oct 2023 20:10

Tgt Ion:276 Resp: 378309

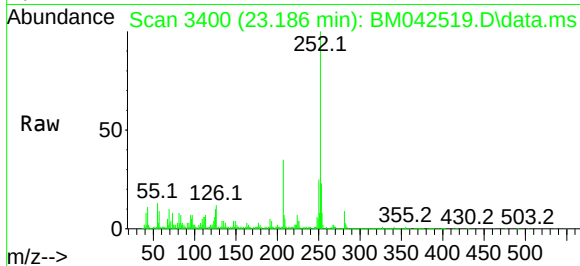
Ion	Ratio	Lower	Upper
276	100		
138	18.6	20.6	31.0
277	23.6	19.5	29.3





#88
Benzo(b)fluoranthene
Concen: 29.894 ng
RT: 23.186 min Scan# 3400
Delta R.T. 0.000 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

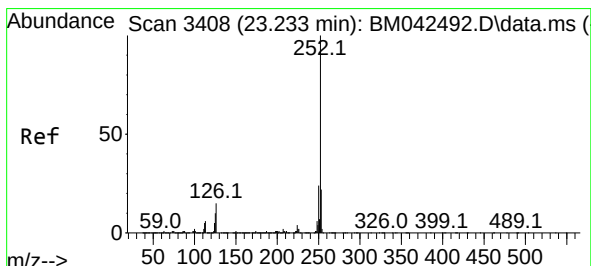
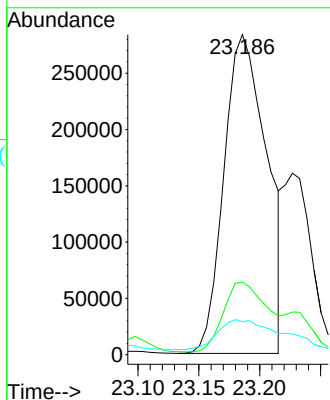
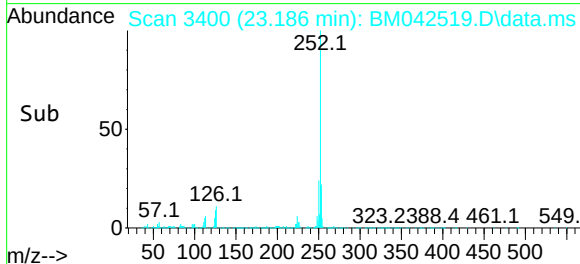
Instrument :
BNA_M
ClientSampleId :
A-3(0-2)



Tgt Ion:252 Resp: 69314
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.4 7.8 11.6

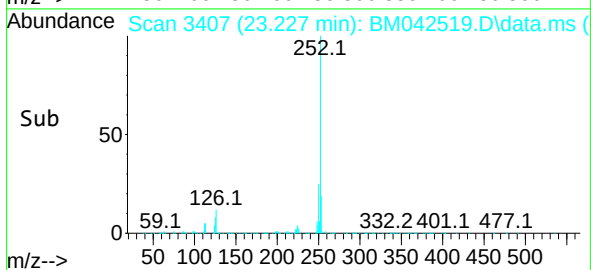
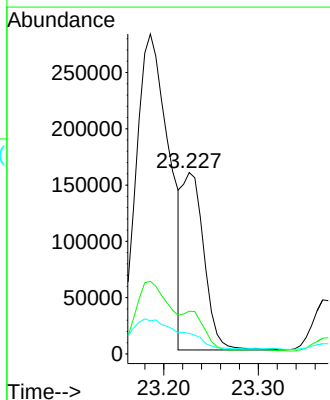
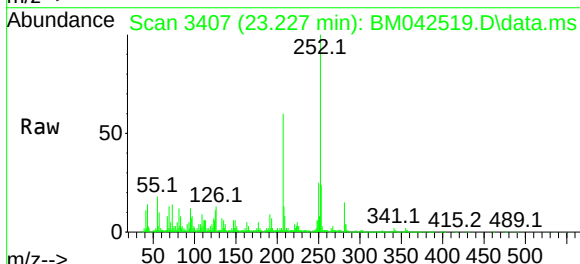
Manual Integrations
APPROVED

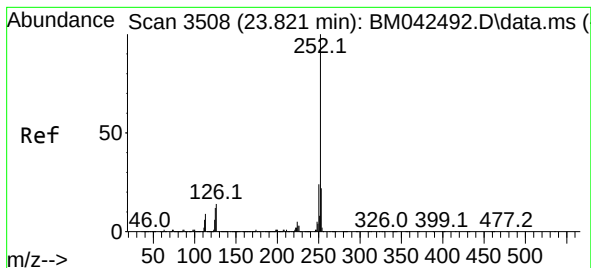
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#89
Benzo(k)fluoranthene
Concen: 9.785 ng m
RT: 23.227 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BM042519.D
Acq: 31 Oct 2023 20:10

Tgt Ion:252 Resp: 252830
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 11.3 8.2 12.4





#90

Benzo(a)pyrene

Concen: 20.077 ng

RT: 23.821 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM042519.D

Acq: 31 Oct 2023 20:10

Instrument :

BNA_M

ClientSampleId :

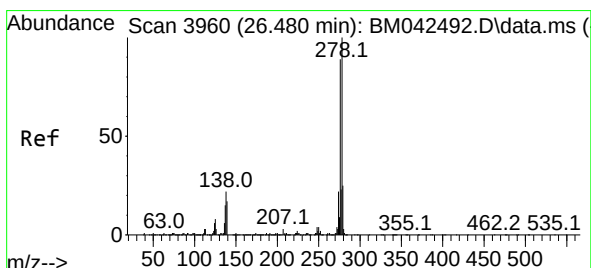
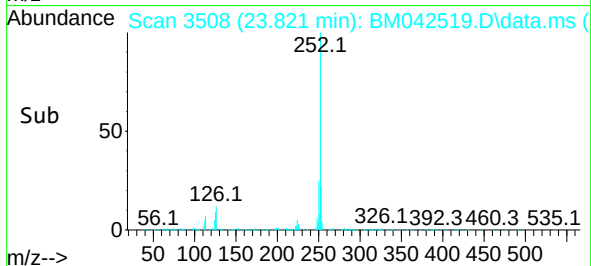
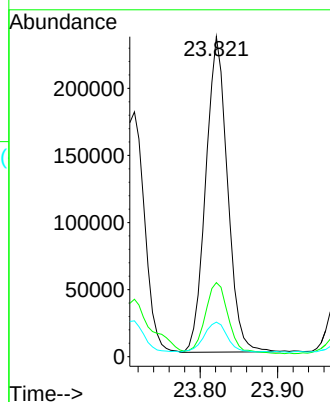
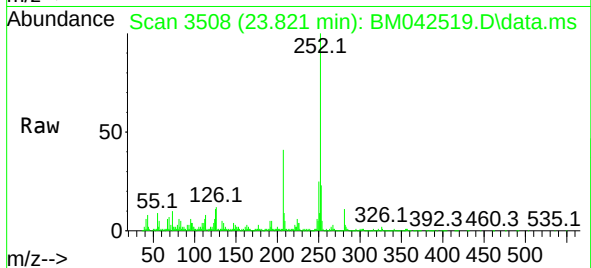
A-3(0-2)

Tgt Ion:252 Resp: 45833
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.5 26.3
 125 10.8 9.4 14.2

Manual Integrations

APPROVED

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



#91

Dibenzo(a,h)anthracene

Concen: 7.384 ng

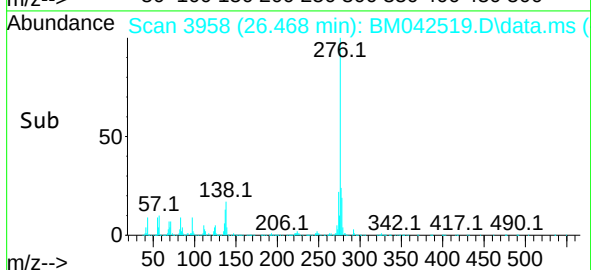
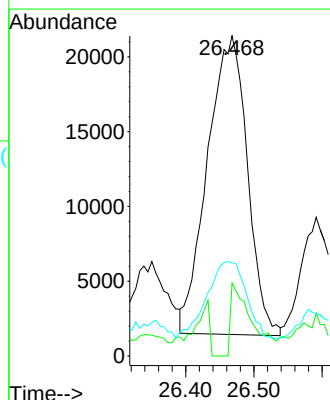
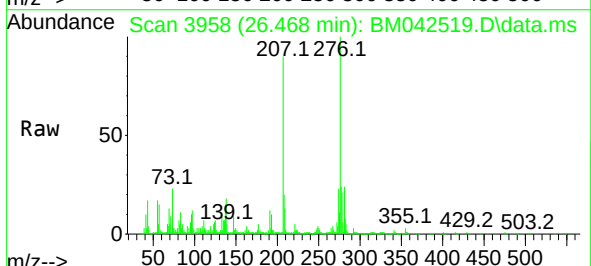
RT: 26.468 min Scan# 3958

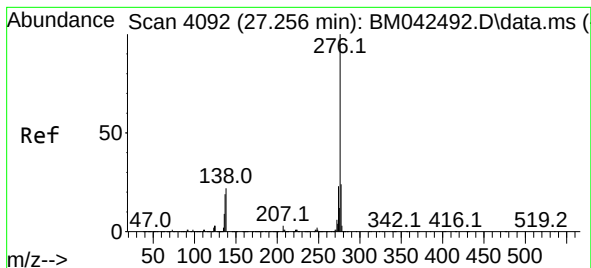
Delta R.T. -0.012 min

Lab File: BM042519.D

Acq: 31 Oct 2023 20:10

Tgt Ion:278 Resp: 81237
 Ion Ratio Lower Upper
 278 100
 139 22.8 13.4 20.2#
 279 29.2 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 18.730 ng

RT: 27.250 min Scan# 4091

Delta R.T. -0.006 min

Lab File: BM042519.D

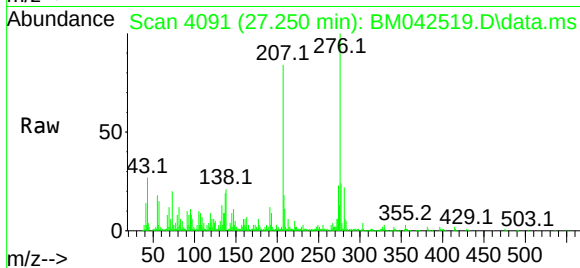
Acq: 31 Oct 2023 20:10

Instrument :

BNA_M

ClientSampleId :

A-3(0-2)



Tgt Ion:276 Resp: 40891

Ion Ratio Lower Upper

276 100

277 24.4 19.2 28.8

138 20.8 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023

