

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110123\
 Data File : BM042551.D
 Acq On : 01 Nov 2023 22:01
 Operator : MA/JU
 Sample : 05005-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 N-1(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023

Quant Time: Nov 01 23:45:35 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	7.928	152	63549	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	240796	20.000	ng	0.00
39) Acenaphthene-d10	14.574	164	148515	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	314362	20.000	ng	0.00
76) Chrysene-d12	21.515	240	286050	20.000	ng	0.00
86) Perylene-d12	23.939	264	327192	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	215748	54.791	ng	0.00
7) Phenol-d6	7.093	99	278641	51.597	ng	0.00
23) Nitrobenzene-d5	9.122	82	191451	37.064	ng	-0.01
42) 2,4,6-Tribromophenol	16.074	330	110974	57.233	ng	0.00
45) 2-Fluorobiphenyl	13.198	172	411769	37.308	ng	0.00
79) Terphenyl-d14	19.945	244	656779	38.932	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.304	152	68291	4.951	ng	100
71) Phenanthrene	17.374	178	70364	4.283	ng	# 95
72) Anthracene	17.463	178	47779	2.936	ng	# 91
75) Fluoranthene	19.386	202	182802	9.473	ng	97
78) Pyrene	19.756	202	250987	12.778	ng	97
81) Benzo(a)anthracene	21.498	228	103631	5.694	ng	# 91
83) Chrysene	21.551	228	104008	5.626	ng	# 90
87) Indeno(1,2,3-cd)pyrene	26.480	276	77232	3.966	ng	# 91
88) Benzo(b)fluoranthene	23.192	252	141170	7.744	ng	# 89
89) Benzo(k)fluoranthene	23.233	252	46914m	2.310	ng	
90) Benzo(a)pyrene	23.833	252	101266	5.643	ng	# 87
92) Benzo(g,h,i)perylene	27.274	276	90245	5.258	ng	94

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

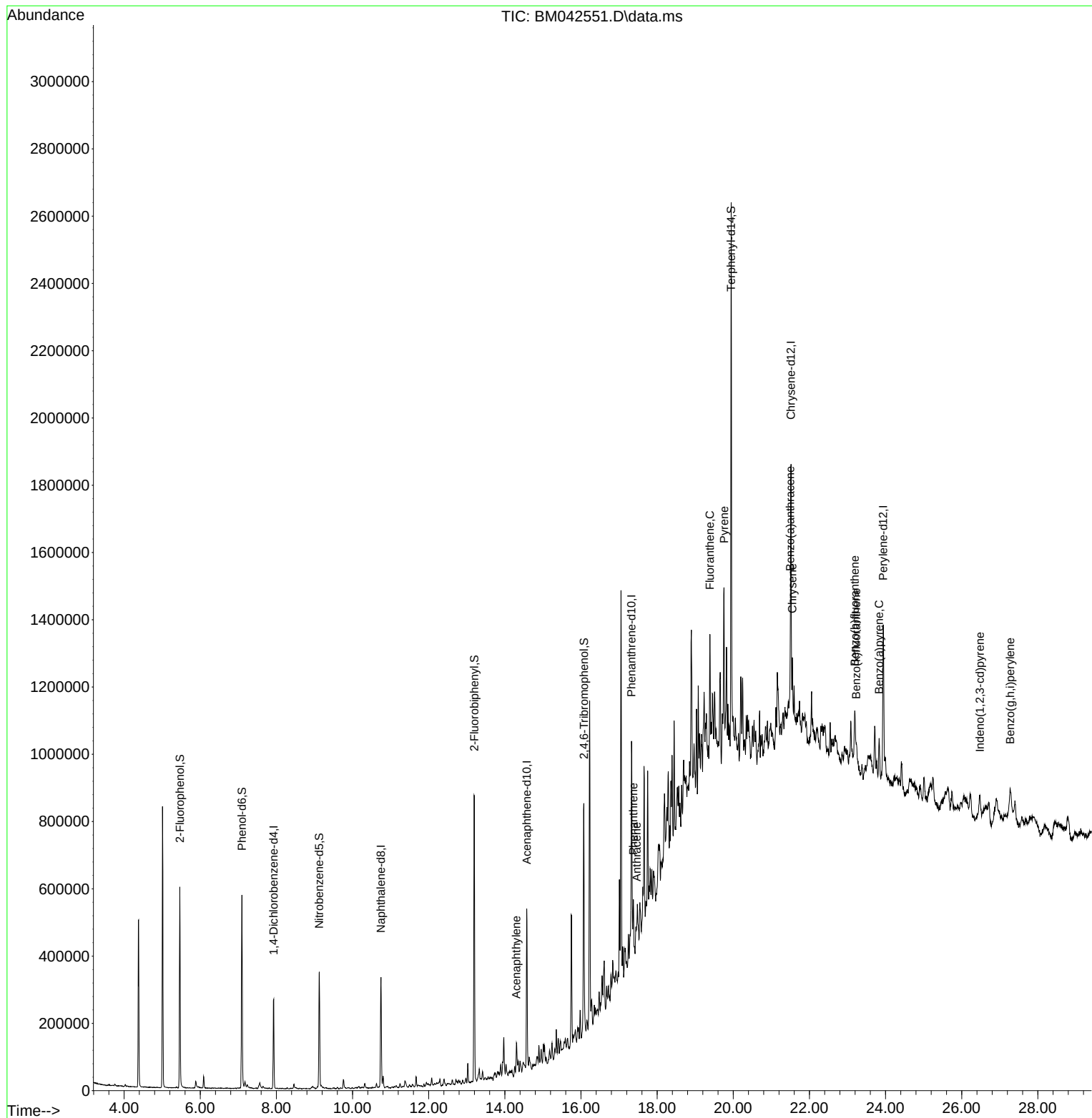
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110123\
Data File : BM042551.D
Acq On : 01 Nov 2023 22:01
Operator : MA/JU
Sample : 05005-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

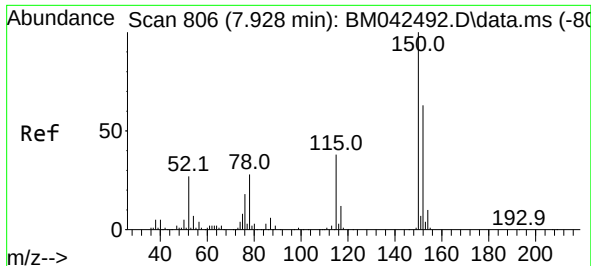
Instrument :
BNA_M
ClientSampleId :
N-1(0-5)

Quant Time: Nov 01 23:45:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
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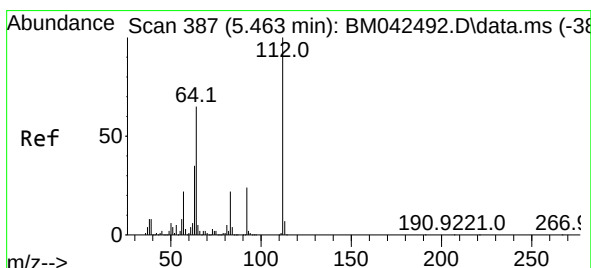
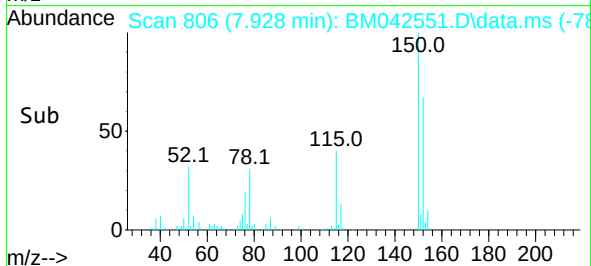
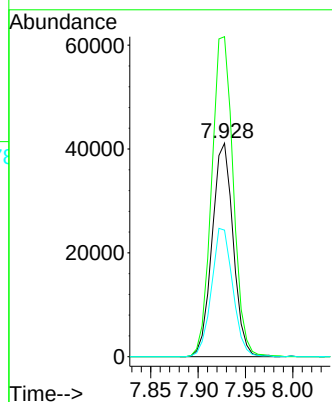
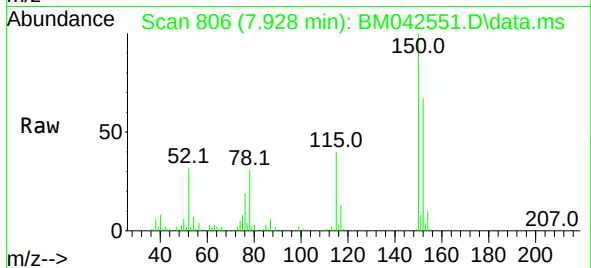
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 806
Delta R.T. -0.000 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

Instrument :
BNA_M
ClientSampleId :
N-1(0-5)

Tgt Ion:152 Resp: 63549
Ion Ratio Lower Upper
152 100
150 150.0 127.4 191.0
115 59.3 47.9 71.9

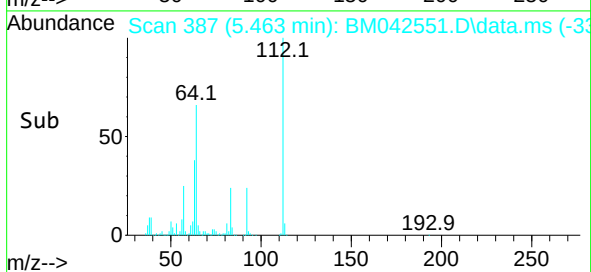
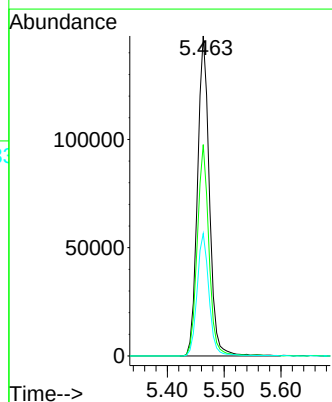
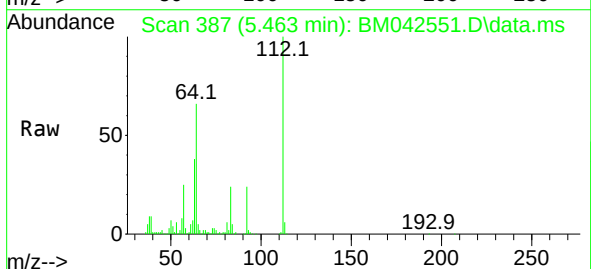
Manual Integrations
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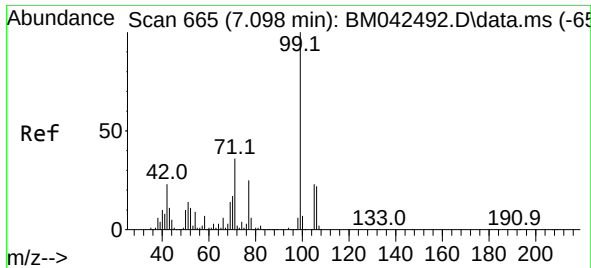
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#5
2-Fluorophenol
Concen: 54.791 ng
RT: 5.463 min Scan# 387
Delta R.T. -0.000 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

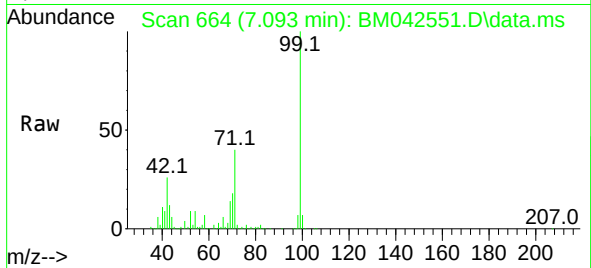
Tgt Ion:112 Resp: 215748
Ion Ratio Lower Upper
112 100
64 66.1 52.1 78.1
63 38.2 28.3 42.5





#7
Phenol-d6
Concen: 51.597 ng
RT: 7.093 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

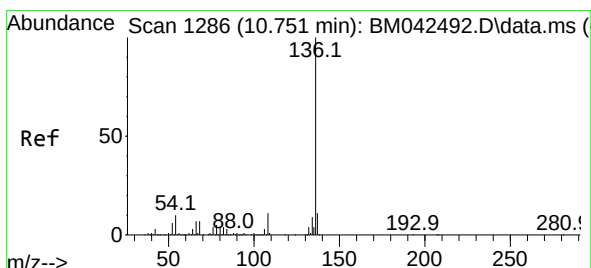
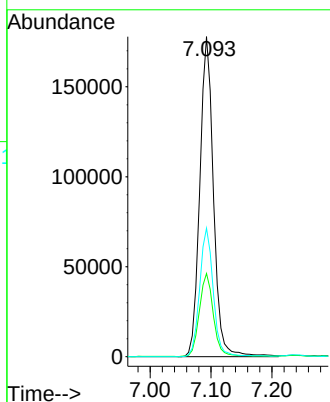
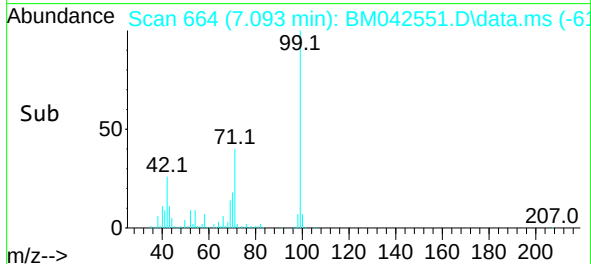
Instrument :
BNA_M
ClientSampleId :
N-1(0-5)



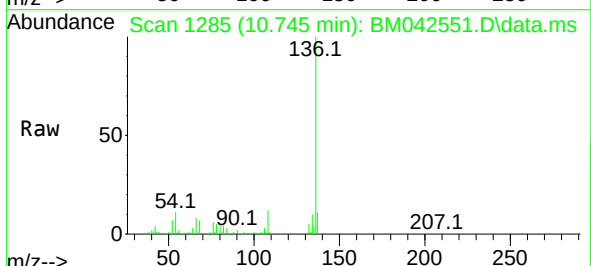
Tgt Ion: 99 Resp: 27864
Ion Ratio Lower Upper
99 100
42 26.0 18.7 28.1
71 40.1 29.1 43.7

Manual Integrations
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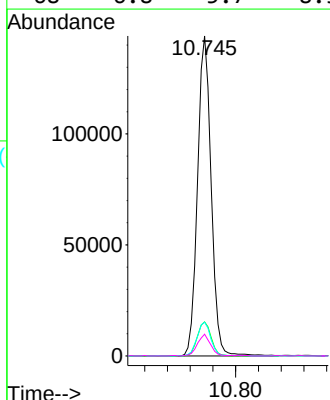
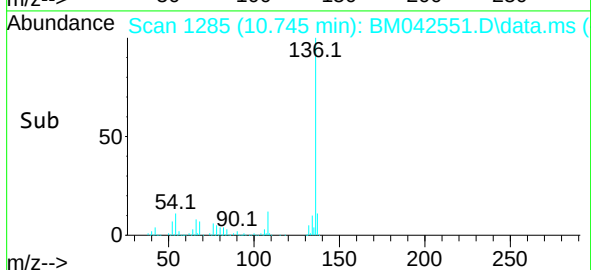
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

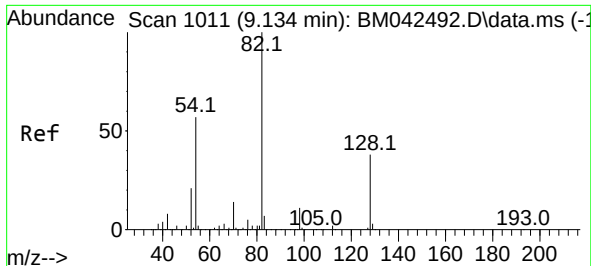


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01



Tgt Ion:136 Resp: 240796
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 10.6 8.0 12.0
68 6.8 5.7 8.5





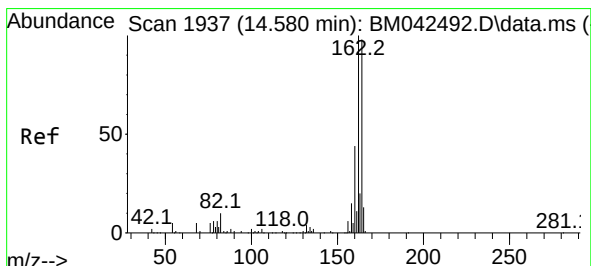
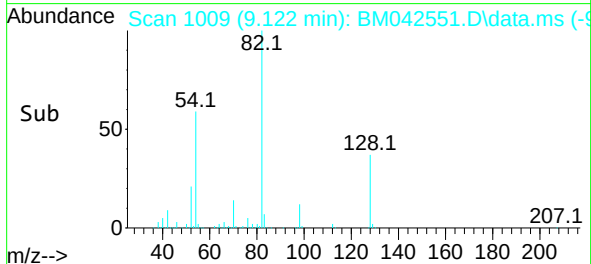
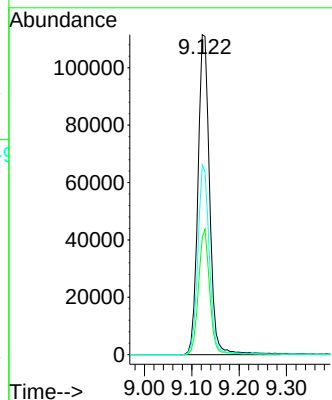
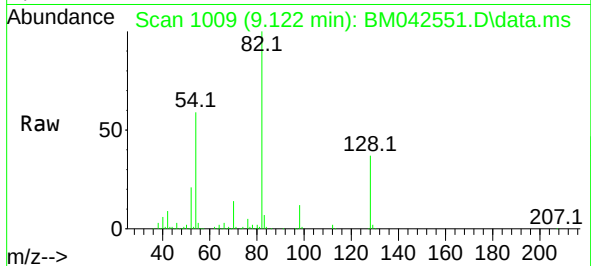
#23
Nitrobenzene-d5
Concen: 37.064 ng
RT: 9.122 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

Instrument :
BNA_M
ClientSampleId :
N-1(0-5)

Tgt Ion: 82 Resp: 19145
Ion Ratio Lower Upper
82 100
128 36.7 30.7 46.1
54 59.3 45.3 67.9

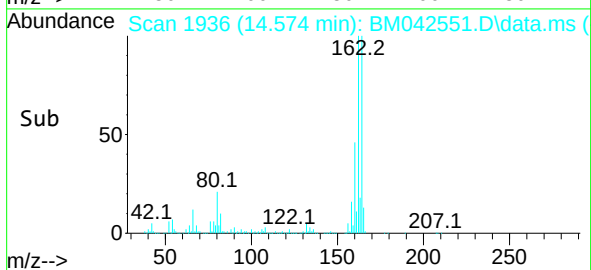
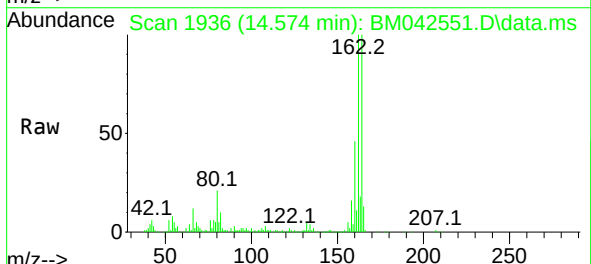
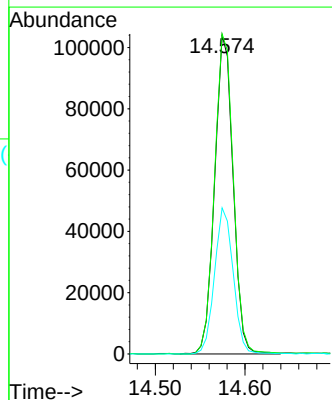
Manual Integrations
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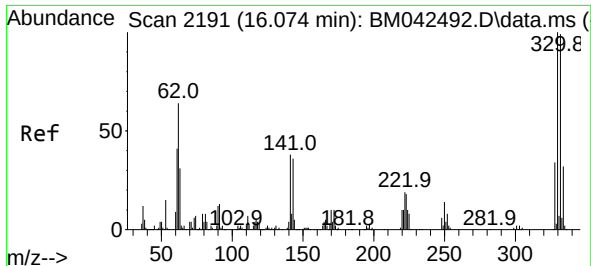
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.574 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

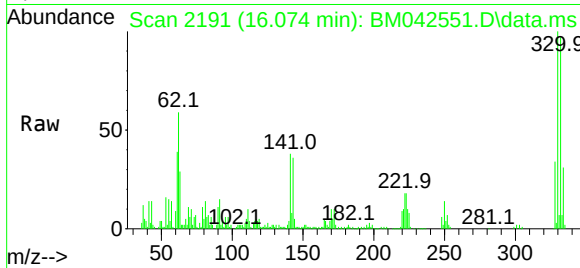
Tgt Ion:164 Resp: 148515
Ion Ratio Lower Upper
164 100
162 100.4 81.6 122.4
160 45.8 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 57.233 ng
RT: 16.074 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

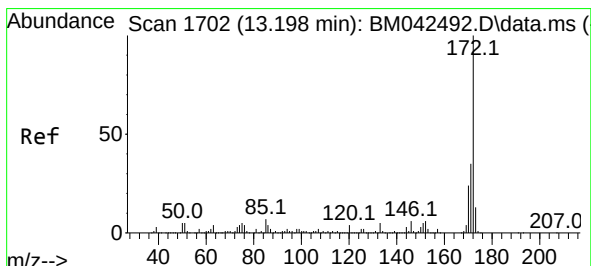
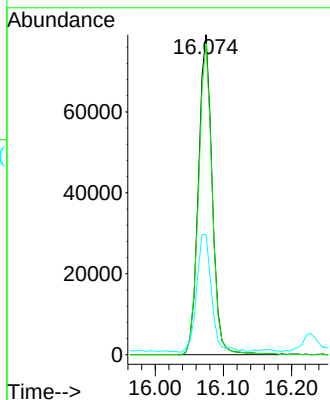
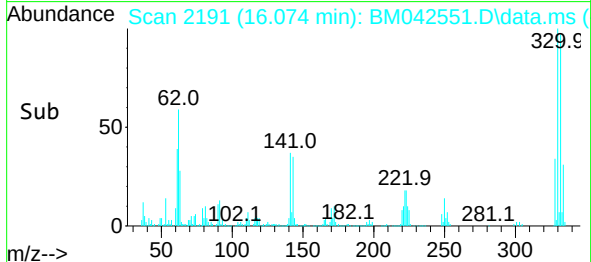
Instrument :
BNA_M
ClientSampleId :
N-1(0-5)



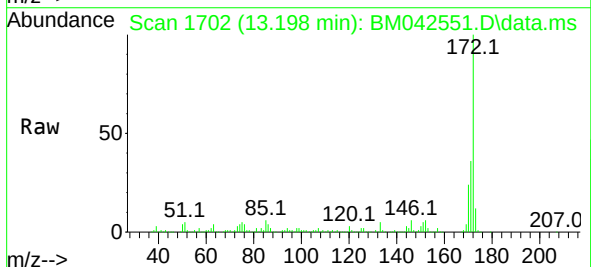
Tgt Ion:330 Resp: 110974
Ion Ratio Lower Upper
330 100
332 96.7 78.8 118.2
141 39.6 31.1 46.7

Manual Integrations
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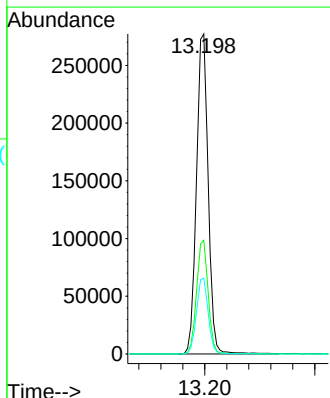
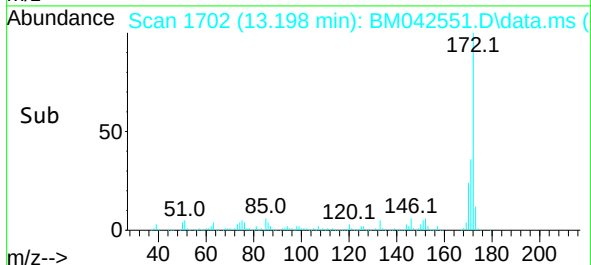
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

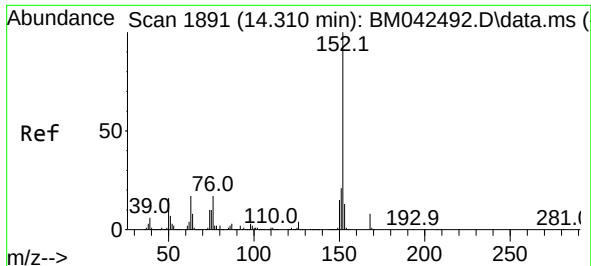


#45
2-Fluorobiphenyl
Concen: 37.308 ng
RT: 13.198 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01



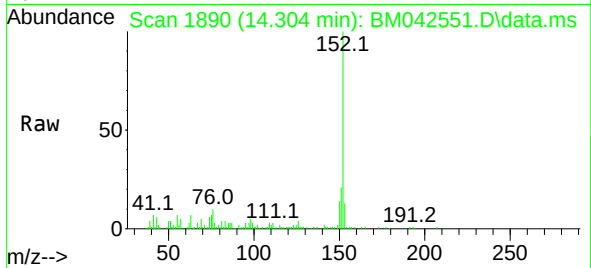
Tgt Ion:172 Resp: 411769
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.7 19.0 28.4





#49
Acenaphthylene
Concen: 4.951 ng
RT: 14.304 min Scan# 1891
Delta R.T. -0.006 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

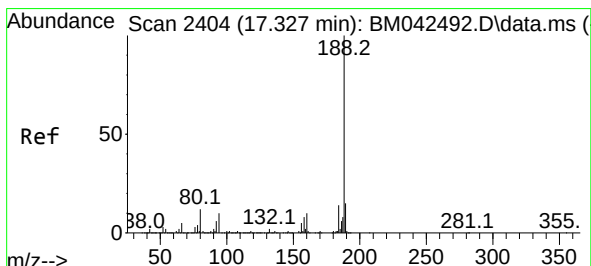
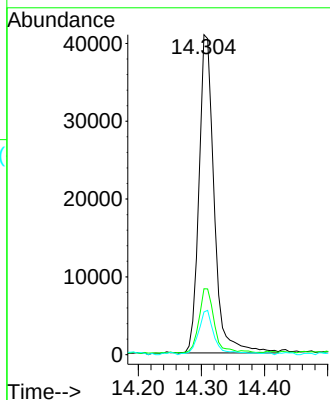
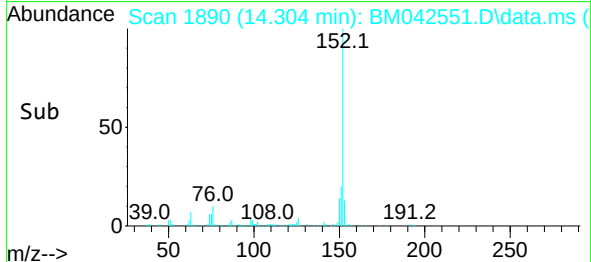
Instrument :
BNA_M
ClientSampleId :
N-1(0-5)



Tgt Ion:152 Resp: 6829
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6
153 13.4 10.4 15.6

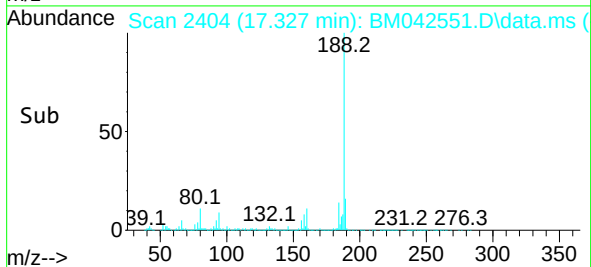
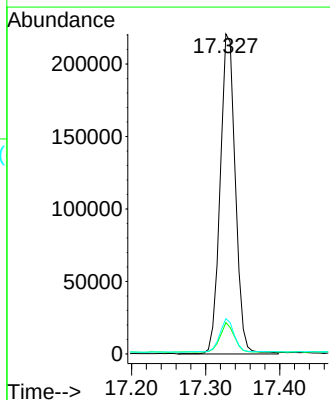
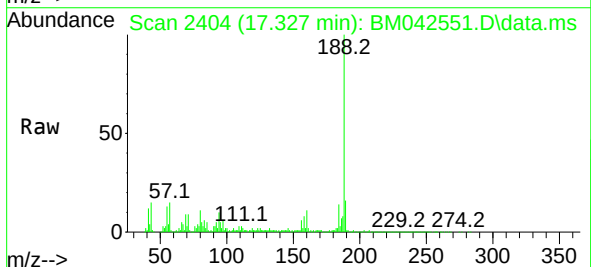
Manual Integrations
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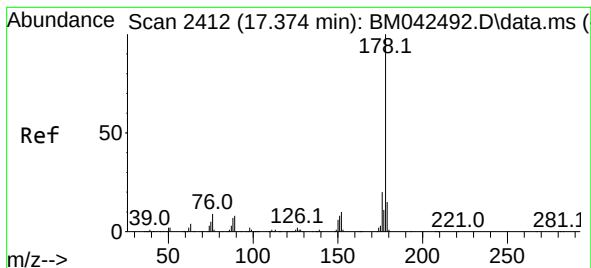
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.327 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

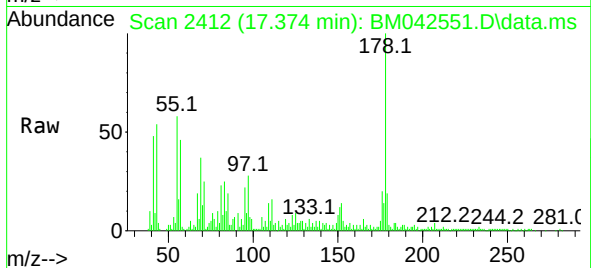
Tgt Ion:188 Resp: 314362
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.4
80 11.0 9.4 14.2





#71
Phenanthrene
Concen: 4.283 ng
RT: 17.374 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

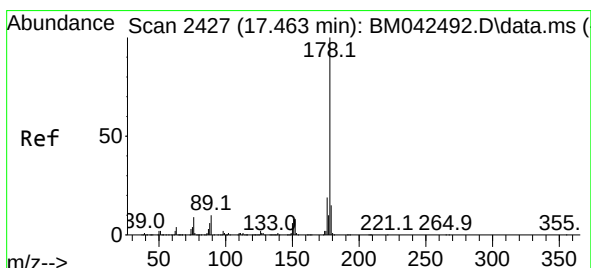
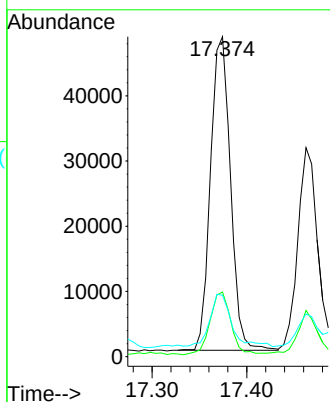
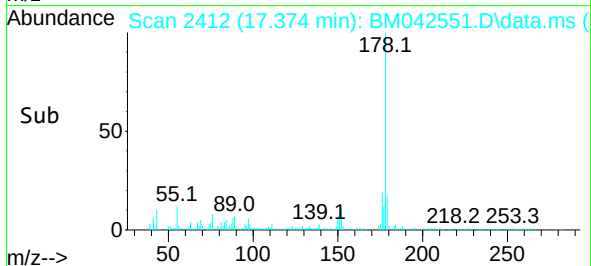
Instrument :
BNA_M
ClientSampleId :
N-1(0-5)



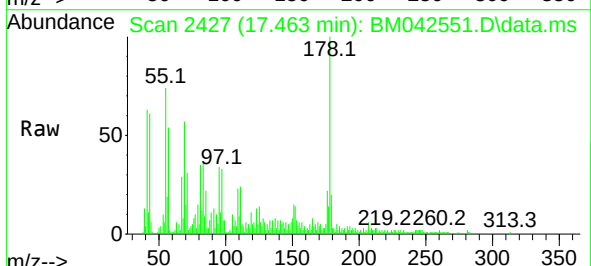
Tgt Ion:178 Resp: 70364
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 19.2 12.2 18.4

Manual Integrations
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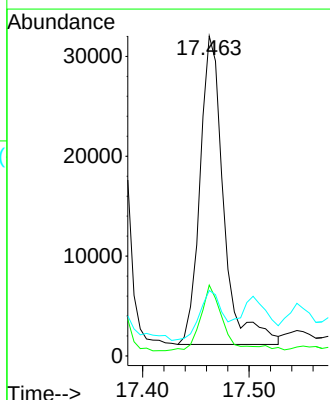
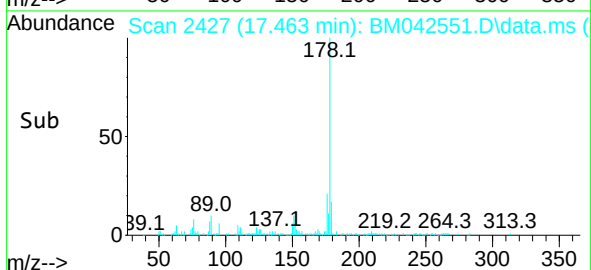
Reviewed By :Yogesh Patel 11/02/2023
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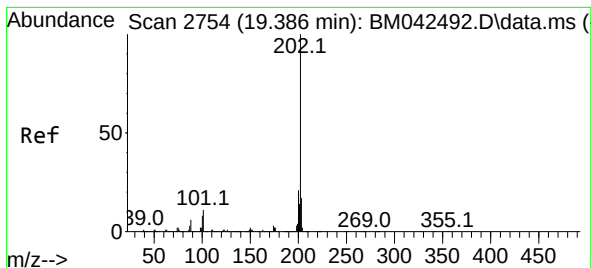


#72
Anthracene
Concen: 2.936 ng
RT: 17.463 min Scan# 2427
Delta R.T. 0.000 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01



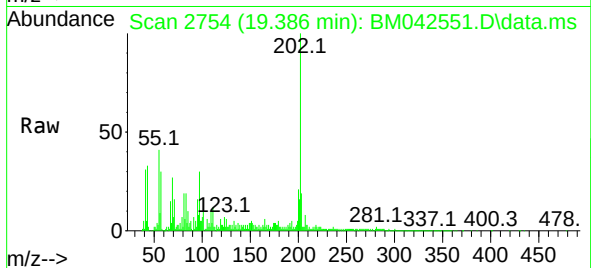
Tgt Ion:178 Resp: 47779
Ion Ratio Lower Upper
178 100
176 22.1 15.2 22.8
179 20.4 12.3 18.5





#75
Fluoranthene
Concen: 9.473 ng
RT: 19.386 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

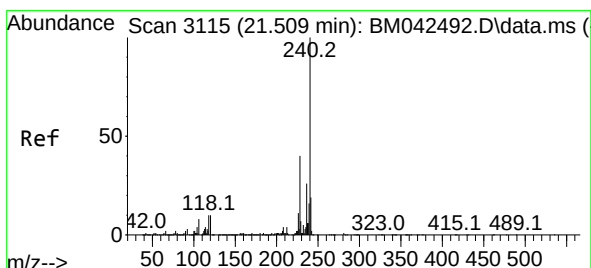
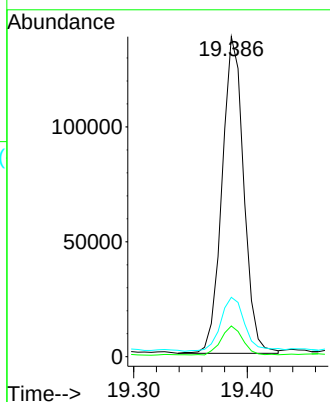
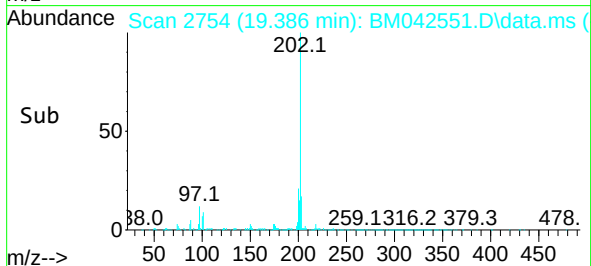
Instrument :
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N-1(0-5)



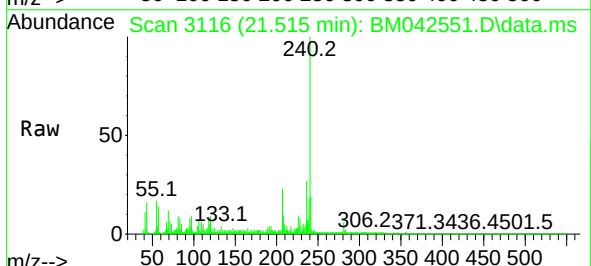
Tgt Ion:202 Resp: 18280
Ion Ratio Lower Upper
202 100
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203 18.6 0.0 37.0

Manual Integrations
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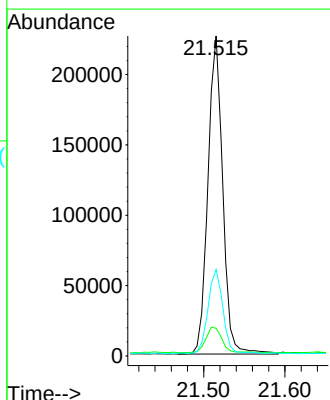
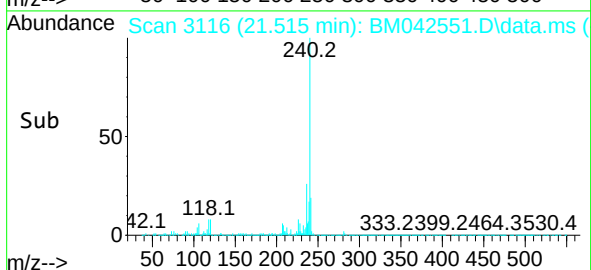
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

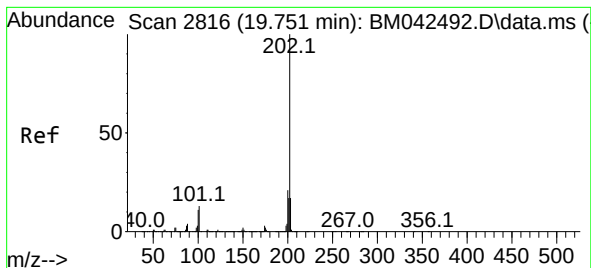


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3116
Delta R.T. 0.006 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01



Tgt Ion:240 Resp: 286050
Ion Ratio Lower Upper
240 100
120 8.7 8.3 12.5
236 27.0 20.8 31.2





#78

Pyrene

Concen: 12.778 ng

RT: 19.756 min Scan# 2

Delta R.T. 0.006 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

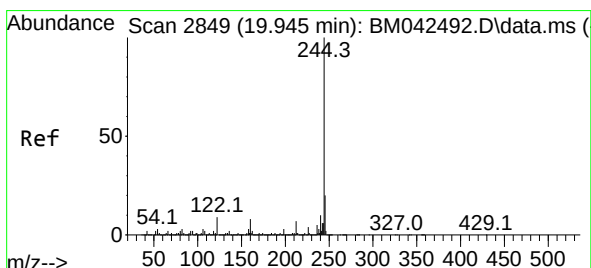
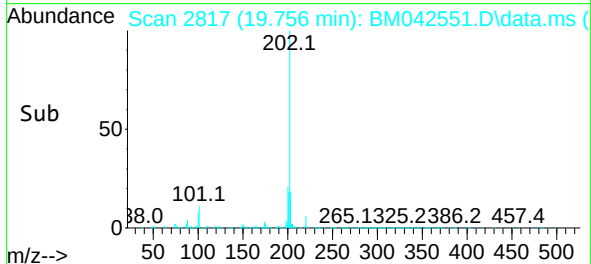
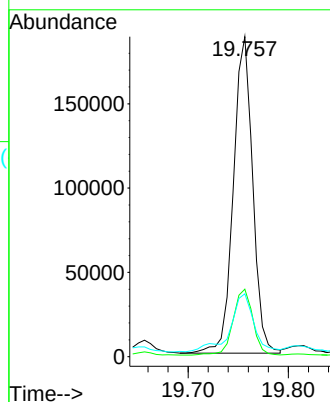
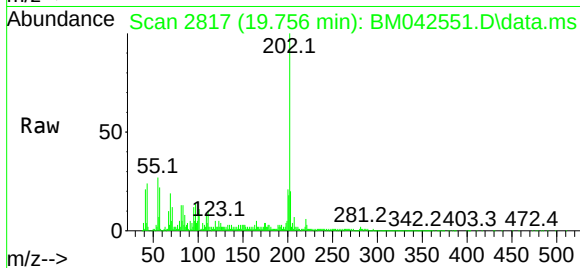
N-1(0-5)

Tgt Ion:202 Resp: 25098
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.9 25.3
 203 19.6 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023



#79

Terphenyl-d14

Concen: 38.932 ng

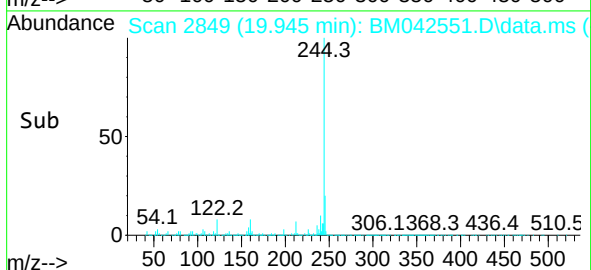
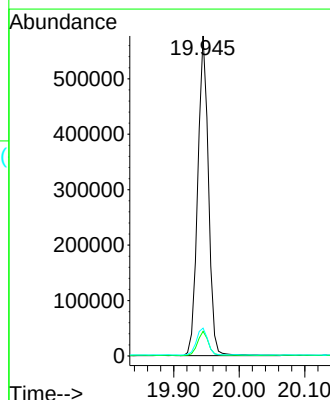
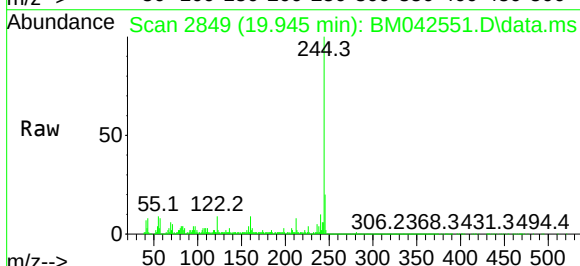
RT: 19.945 min Scan# 2849

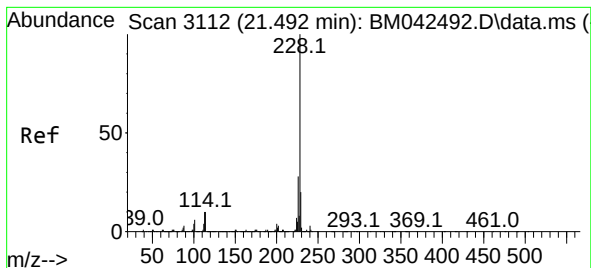
Delta R.T. -0.000 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Tgt Ion:244 Resp: 656779
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 8.7 7.2 10.8





#81

Benzo(a)anthracene

Concen: 5.694 ng

RT: 21.498 min Scan# 3112

Delta R.T. 0.006 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)

Tgt Ion:228 Resp: 10363

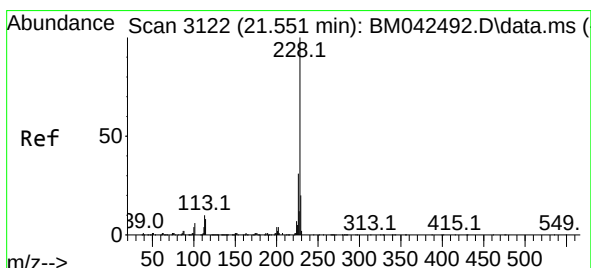
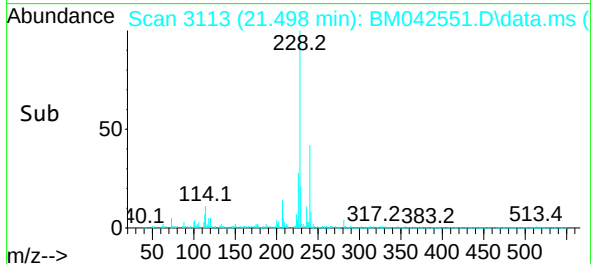
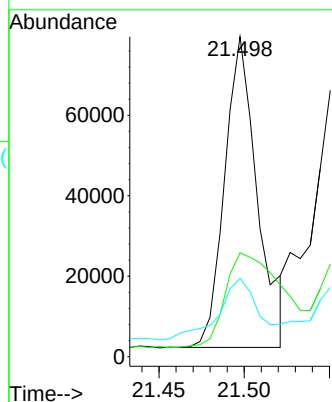
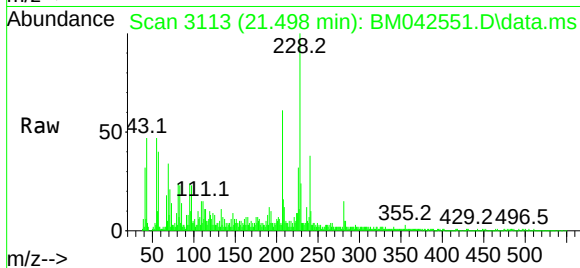
Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.3	33.5
229	24.4	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#83

Chrysene

Concen: 5.626 ng

RT: 21.551 min Scan# 3122

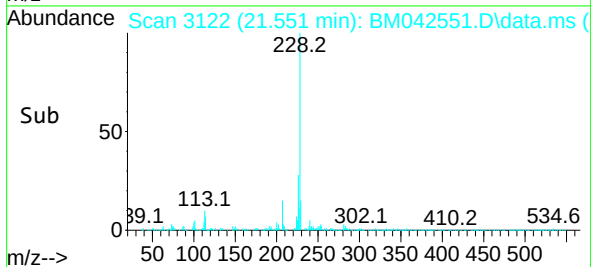
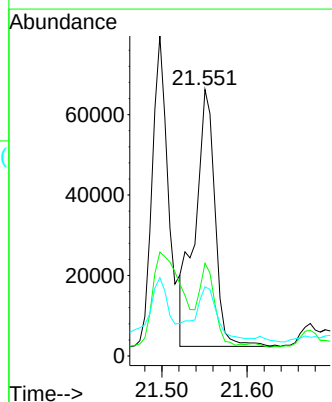
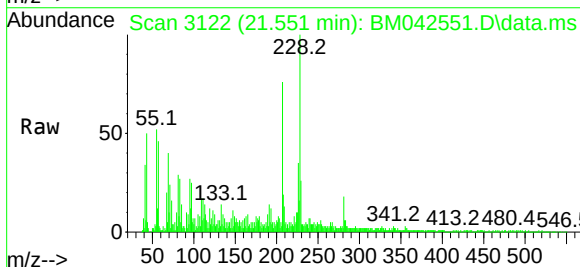
Delta R.T. 0.000 min

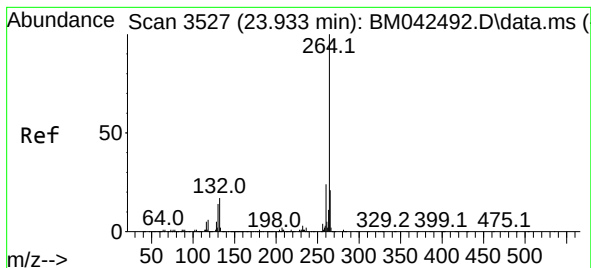
Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Tgt Ion:228 Resp: 104008

Ion	Ratio	Lower	Upper
228	100		
226	34.8	24.4	36.6
229	26.0	15.7	23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.939 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)

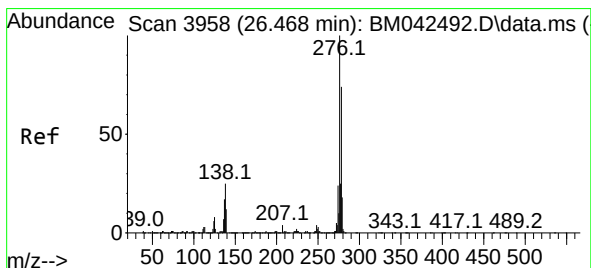
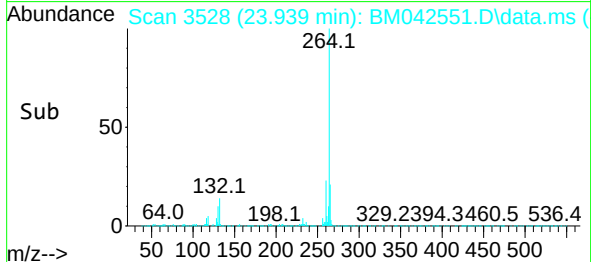
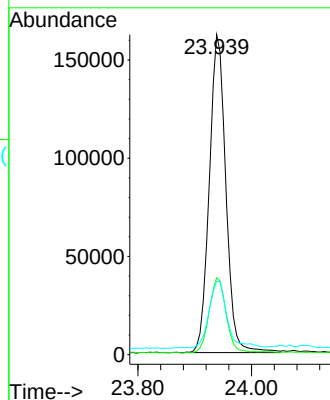
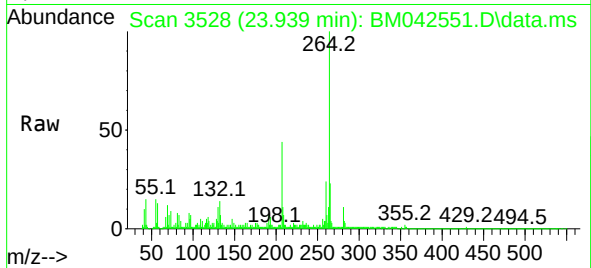
Tgt Ion:	264	Resp:	32719
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.0	28.4
265	22.9	18.7	28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.966 ng

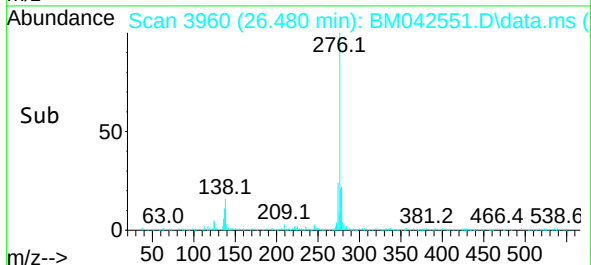
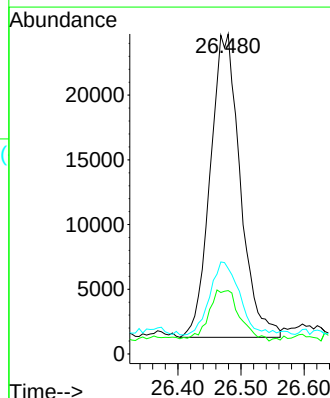
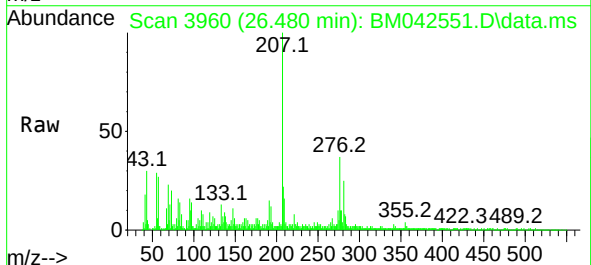
RT: 26.480 min Scan# 3960

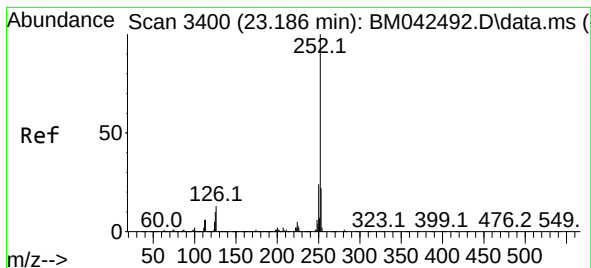
Delta R.T. 0.012 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Tgt Ion:	276	Resp:	77232
Ion Ratio	Lower	Upper	
276	100		
138	17.5	20.6	31.0#
277	23.7	19.5	29.3





#88

Benzo(b)fluoranthene

Concen: 7.744 ng

RT: 23.192 min Scan# 3401

Delta R.T. 0.006 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)

Tgt Ion:252 Resp: 141170

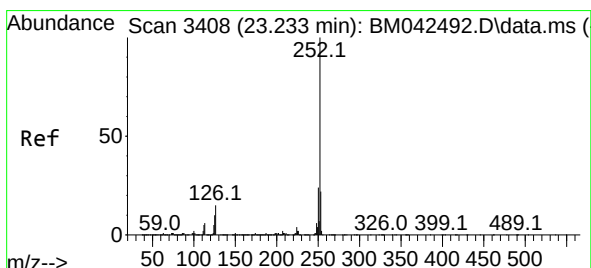
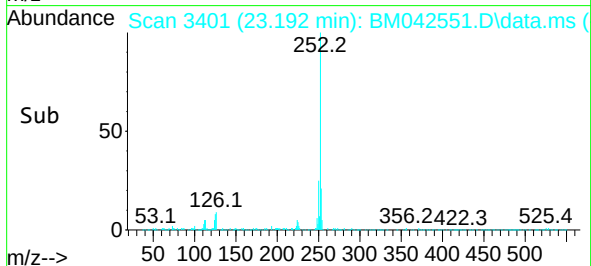
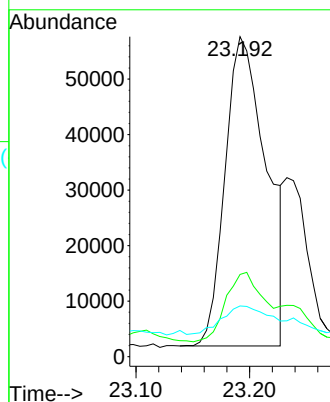
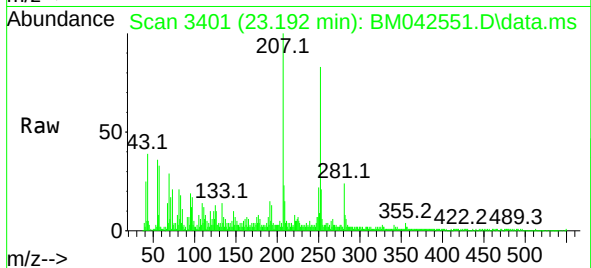
Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.5	26.3
125	15.9	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#89

Benzo(k)fluoranthene

Concen: 2.310 ng m

RT: 23.233 min Scan# 3408

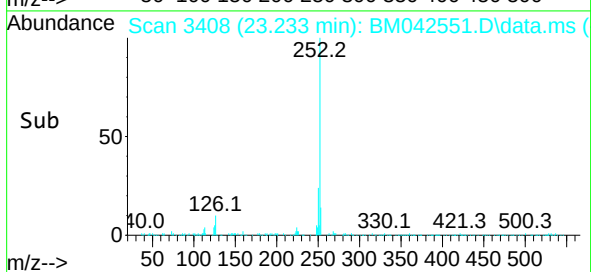
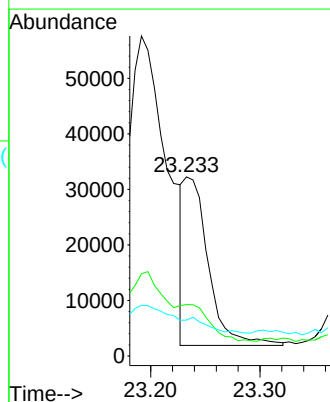
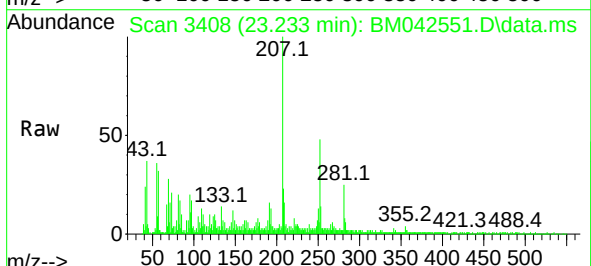
Delta R.T. -0.000 min

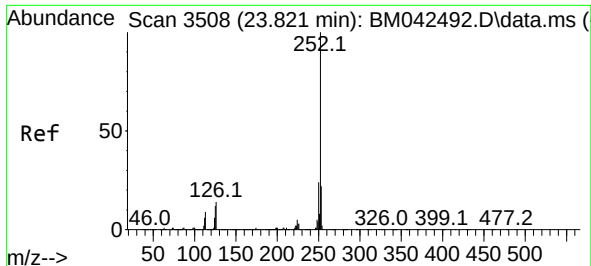
Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Tgt Ion:252 Resp: 46914

Ion	Ratio	Lower	Upper
252	100		
253	28.7	17.6	26.4#
125	20.0	8.2	12.4#





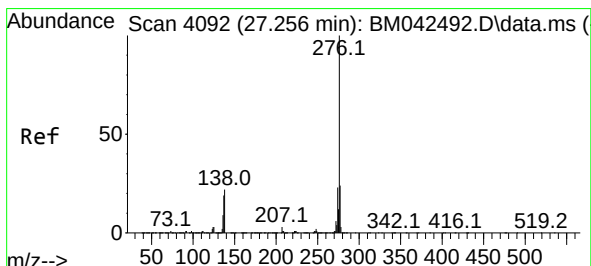
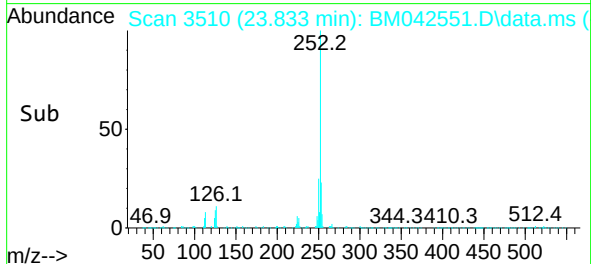
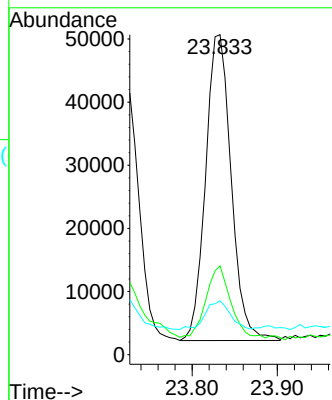
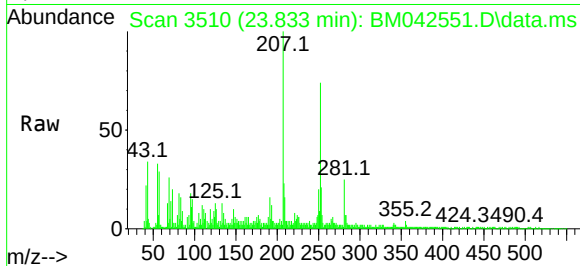
#90
Benzo(a)pyrene
Concen: 5.643 ng
RT: 23.833 min Scan# 31
Delta R.T. 0.012 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

Instrument :
BNA_M
ClientSampleId :
N-1(0-5)

Tgt Ion:252 Resp: 101260
Ion Ratio Lower Upper
252 100
253 27.7 17.5 26.3
125 16.8 9.4 14.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#92
Benzo(g,h,i)perylene
Concen: 5.258 ng
RT: 27.274 min Scan# 4095
Delta R.T. 0.018 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

Tgt Ion:276 Resp: 90245
Ion Ratio Lower Upper
276 100
277 26.3 19.2 28.8
138 18.4 17.3 25.9

