

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110123\
 Data File : BM042545.D
 Acq On : 01 Nov 2023 18:24
 Operator : MA/JU
 Sample : 05167-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

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

Quant Time: Nov 01 23:44:09 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	75659	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	287183	20.000	ng	-0.01
39) Acenaphthene-d10	14.574	164	176905	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	334545	20.000	ng	# 0.01
76) Chrysene-d12	21.515	240	299846	20.000	ng	0.00
86) Perylene-d12	23.927	264	339033	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	436427	93.094	ng	0.00
7) Phenol-d6	7.087	99	582537	90.605	ng	-0.01
23) Nitrobenzene-d5	9.122	82	400791	65.058	ng	-0.01
42) 2,4,6-Tribromophenol	16.080	330	201275	87.145	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	741126	56.373	ng	0.00
79) Terphenyl-d14	19.956	244	955804	54.050	ng	0.01
Target Compounds						Qvalue
52) Acenaphthene	14.639	154	26702	2.678	ng	# 87
58) Fluorene	15.627	166	40020	3.051	ng	# 46
71) Phenanthrene	17.380	178	524581	30.005	ng	# 90
72) Anthracene	17.474	178	135255	7.811	ng	# 62
75) Fluoranthene	19.398	202	931057	45.336	ng	92
78) Pyrene	19.768	202	786669	38.207	ng	# 95
81) Benzo(a)anthracene	21.503	228	437052	22.909	ng	99
83) Chrysene	21.556	228	341037	17.598	ng	97
87) Indeno(1,2,3-cd)pyrene	26.456	276	220516	10.928	ng	# 91
88) Benzo(b)fluoranthene	23.186	252	457514	24.222	ng	97
89) Benzo(k)fluoranthene	23.227	252	196254m	9.324	ng	
90) Benzo(a)pyrene	23.821	252	327340	17.603	ng	96
91) Dibenzo(a,h)anthracene	26.462	278	61789	7.169	ng	# 90
92) Benzo(g,h,i)perylene	27.244	276	208716	11.736	ng	97

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

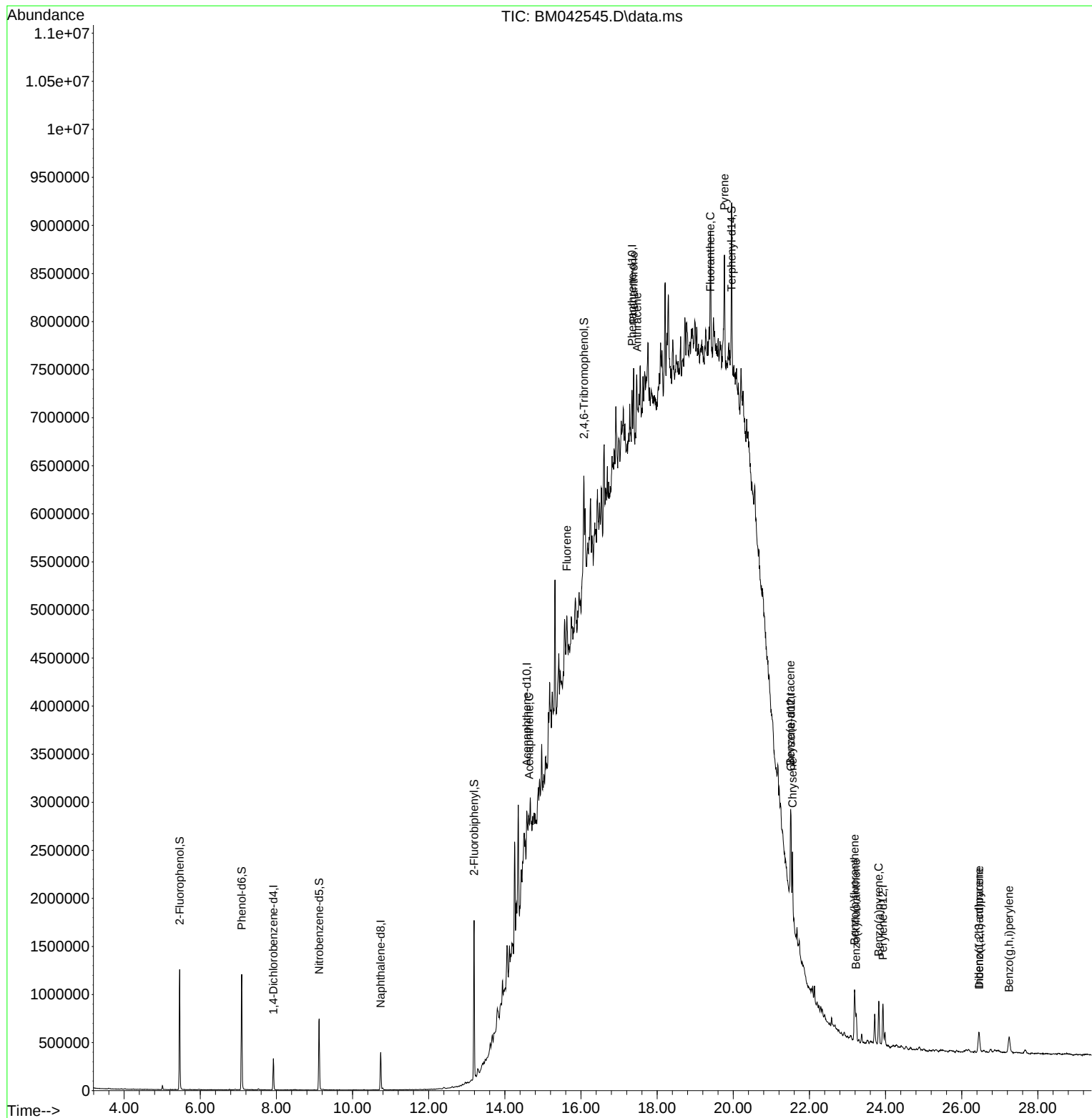
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110123\
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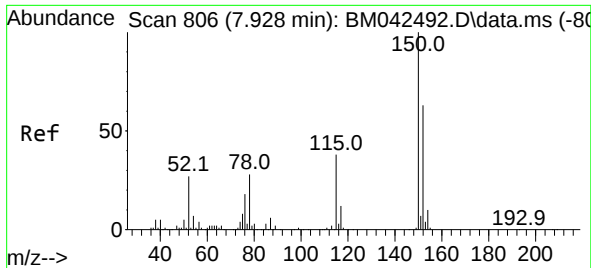
Instrument :
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Quant Time: Nov 01 23:44:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
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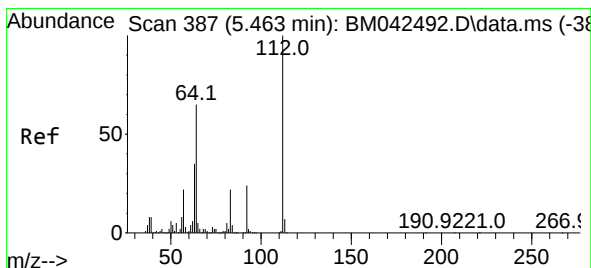
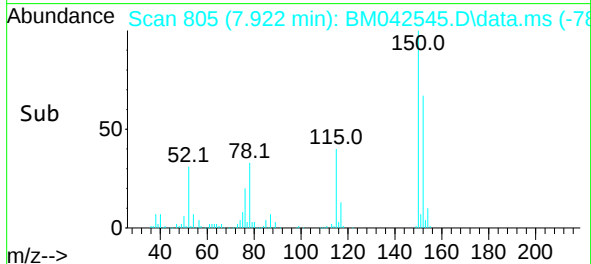
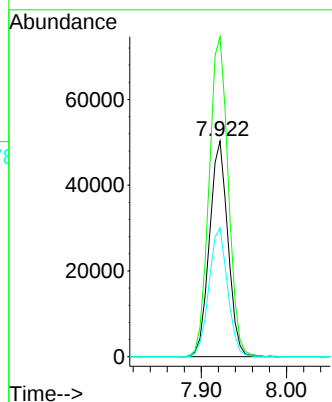
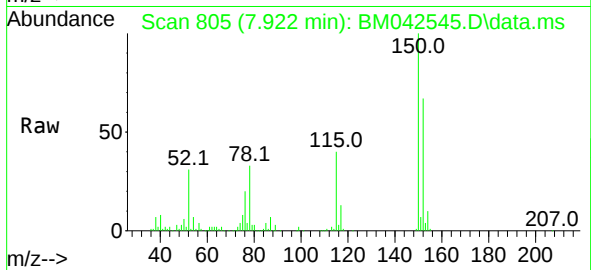
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Instrument :
BNA_M
ClientSampleId :
WC-1

Tgt Ion:152 Resp: 75659
Ion Ratio Lower Upper
152 100
150 148.4 127.4 191.0
115 59.8 47.9 71.9

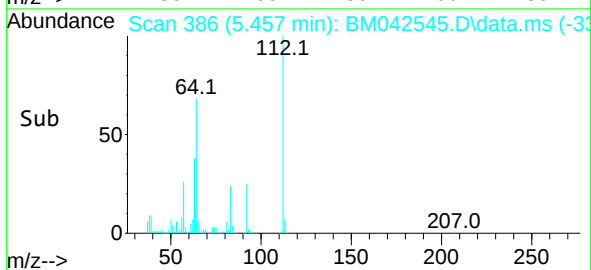
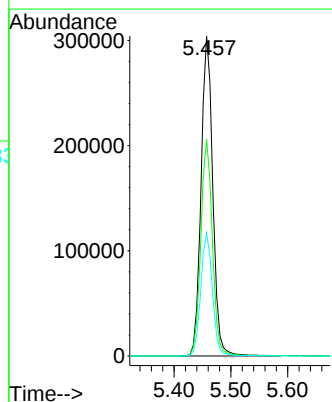
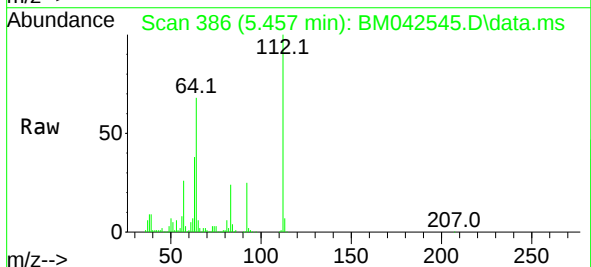
Manual Integrations
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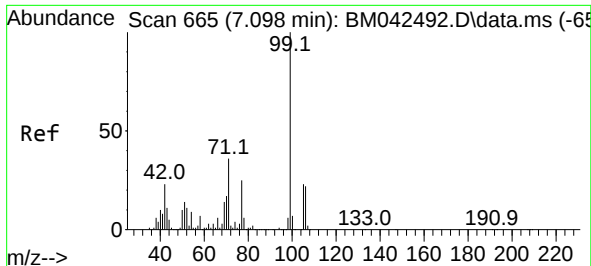
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#5
2-Fluorophenol
Concen: 93.094 ng
RT: 5.457 min Scan# 386
Delta R.T. -0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

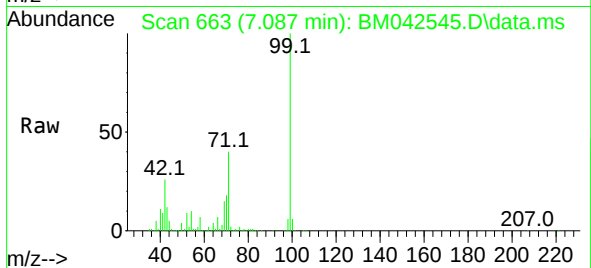
Tgt Ion:112 Resp: 436427
Ion Ratio Lower Upper
112 100
64 67.6 52.1 78.1
63 38.4 28.3 42.5





#7
Phenol-d6
Concen: 90.605 ng
RT: 7.087 min Scan# 60
Delta R.T. -0.012 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

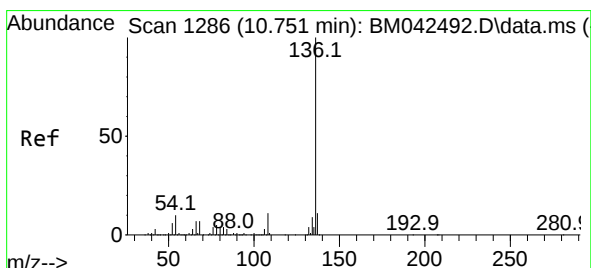
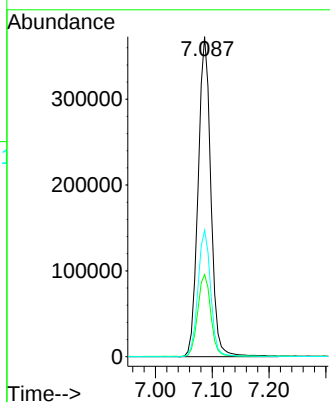
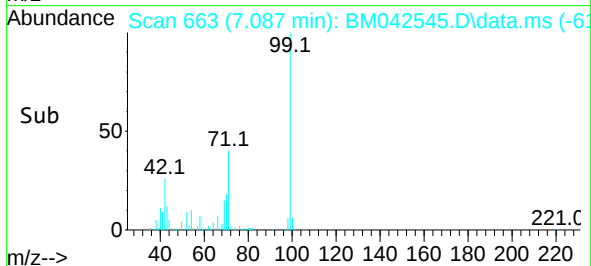
Instrument :
BNA_M
ClientSampleId :
WC-1



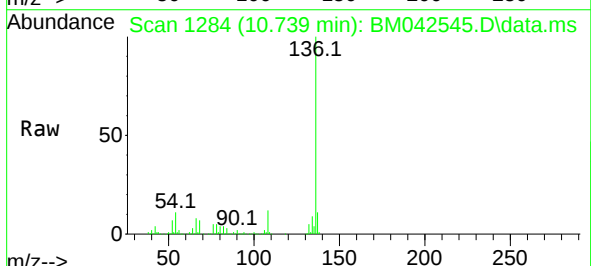
Tgt Ion: 99 Resp: 58253
Ion Ratio Lower Upper
99 100
42 25.7 18.7 28.1
71 39.5 29.1 43.7

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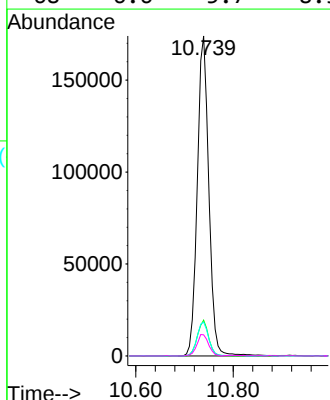
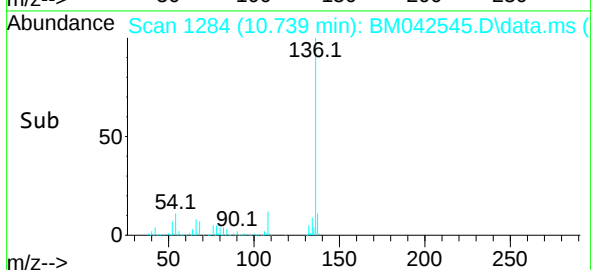
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

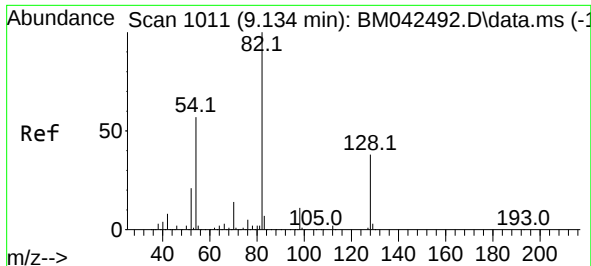


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24



Tgt Ion:136 Resp: 287183
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.5 8.0 12.0
68 6.6 5.7 8.5





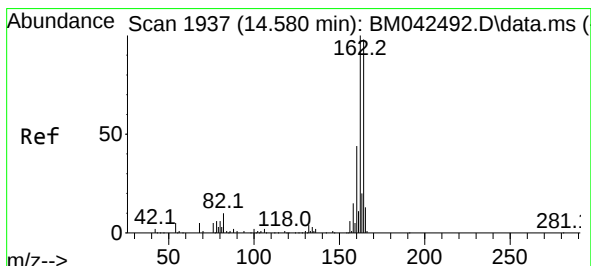
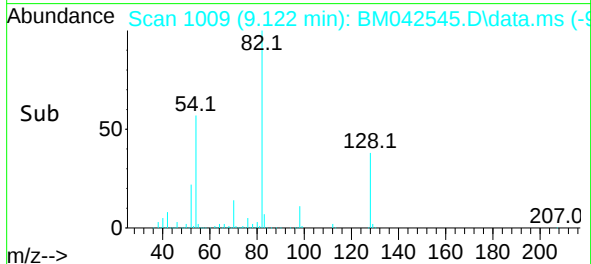
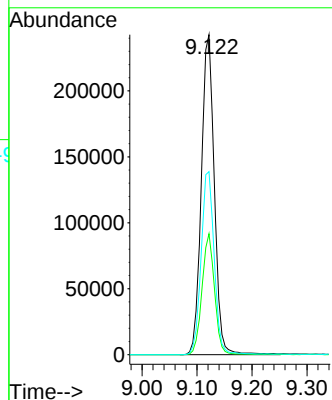
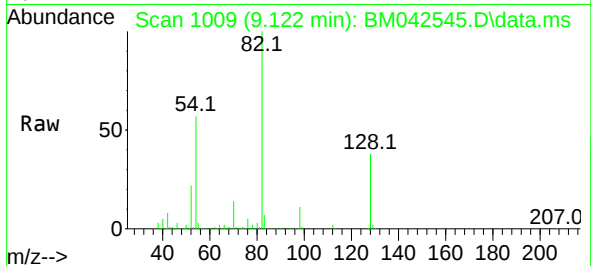
#23
Nitrobenzene-d5
Concen: 65.058 ng
RT: 9.122 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Instrument :
BNA_M
ClientSampleId :
WC-1

Tgt Ion: 82 Resp: 40079
Ion Ratio Lower Upper
82 100
128 37.8 30.7 46.1
54 57.2 45.3 67.9

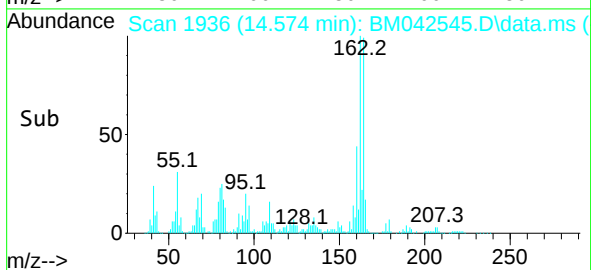
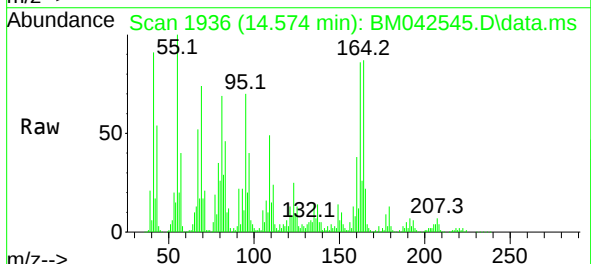
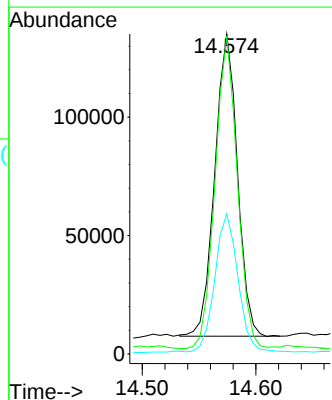
Manual Integrations
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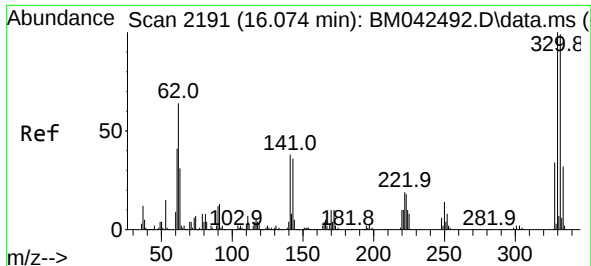
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.574 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

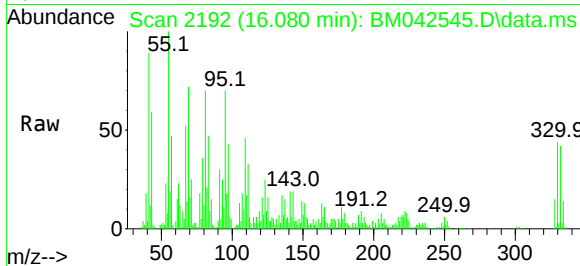
Tgt Ion:164 Resp: 176905
Ion Ratio Lower Upper
164 100
162 99.3 81.6 122.4
160 43.8 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 87.145 ng
RT: 16.080 min Scan# 2191
Delta R.T. 0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

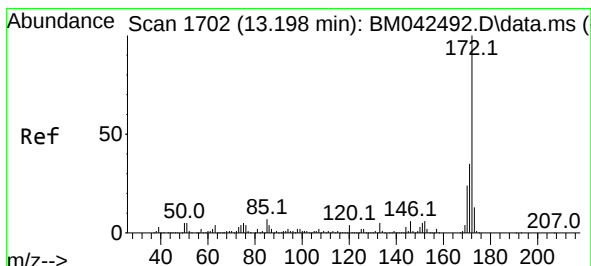
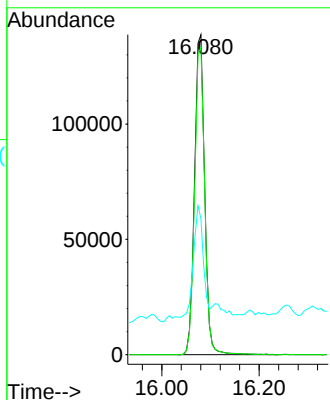
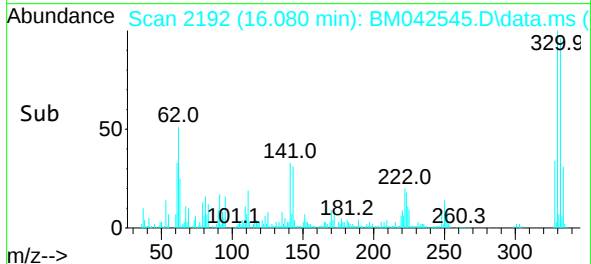
Instrument :
BNA_M
ClientSampleId :
WC-1



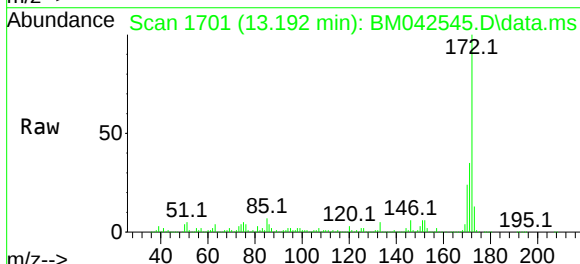
Tgt Ion:330 Resp: 20127
Ion Ratio Lower Upper
330 100
332 96.0 78.8 118.2
141 33.9 31.1 46.7

Manual Integrations
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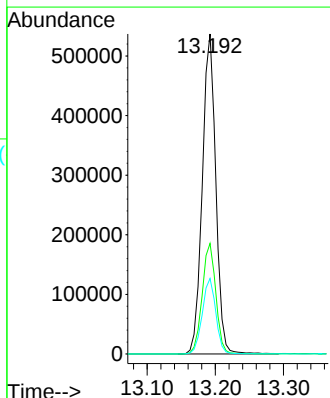
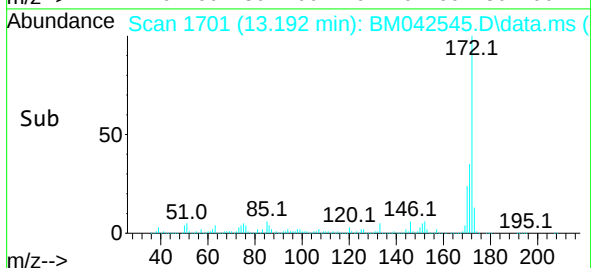
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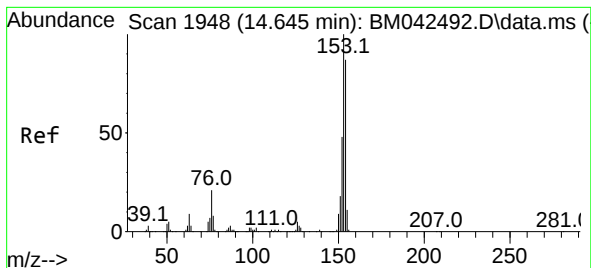


#45
2-Fluorobiphenyl
Concen: 56.373 ng
RT: 13.192 min Scan# 1701
Delta R.T. -0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24



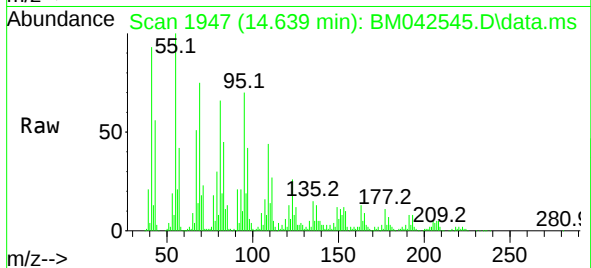
Tgt Ion:172 Resp: 741126
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.6 19.0 28.4





#52
Acenaphthene
Concen: 2.678 ng
RT: 14.639 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

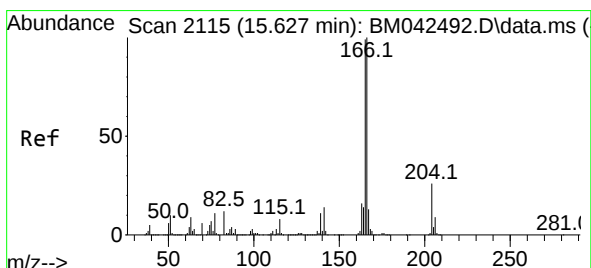
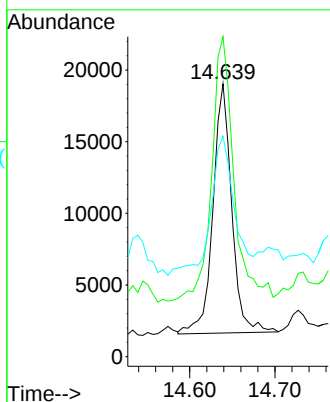
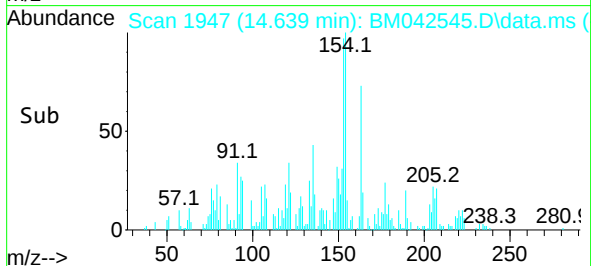
Instrument :
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ClientSampleId :
WC-1



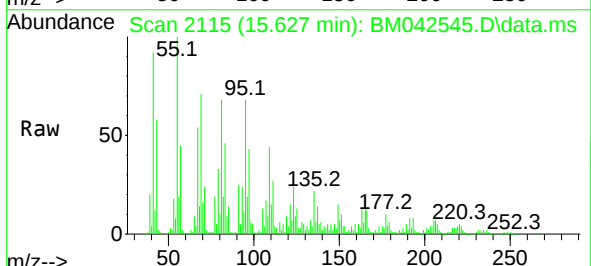
Tgt Ion:154 Resp: 26702
Ion Ratio Lower Upper
154 100
153 117.3 92.0 138.0
152 80.8 44.0 66.0

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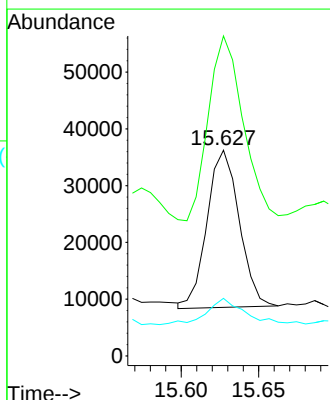
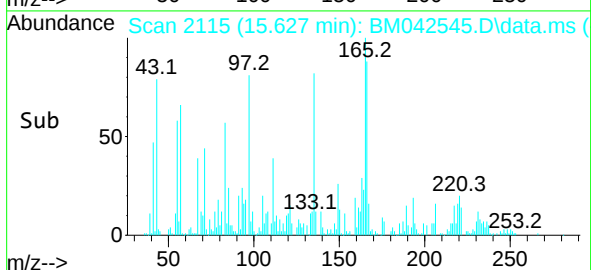
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

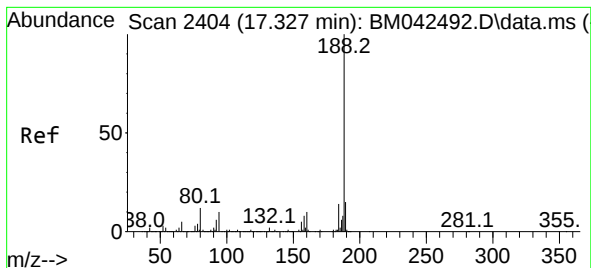


#58
Fluorene
Concen: 3.051 ng
RT: 15.627 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24



Tgt Ion:166 Resp: 40020
Ion Ratio Lower Upper
166 100
165 155.5 79.3 118.9#
167 28.0 10.5 15.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 2406

Delta R.T. 0.012 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Instrument :

BNA_M

ClientSampleId :

WC-1

Tgt Ion:188 Resp: 33454

Ion Ratio Lower Upper

188 100

94 23.9 8.2 12.4

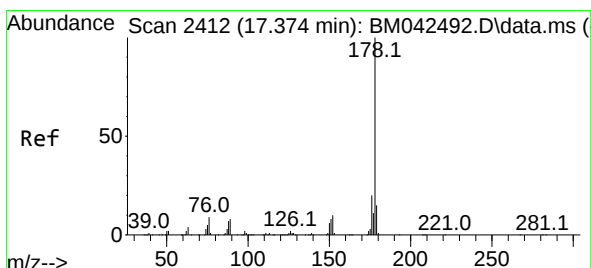
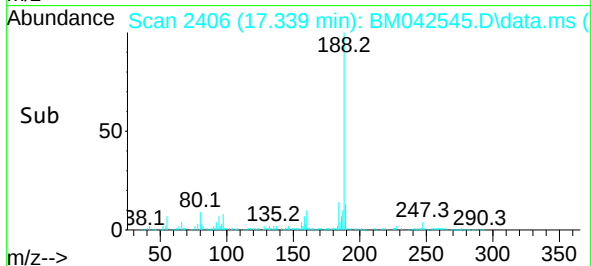
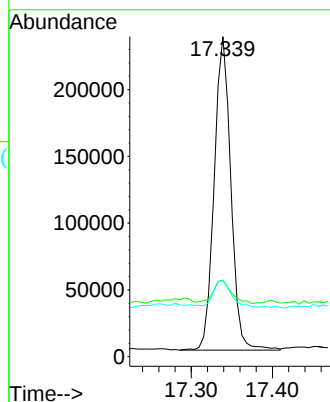
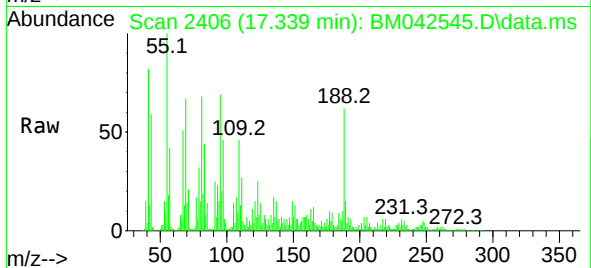
80 23.8 9.4 14.2

Manual Integrations

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Supervised By :mohammad ahmed 11/02/2023



#71

Phenanthrene

Concen: 30.005 ng

RT: 17.380 min Scan# 2413

Delta R.T. 0.006 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

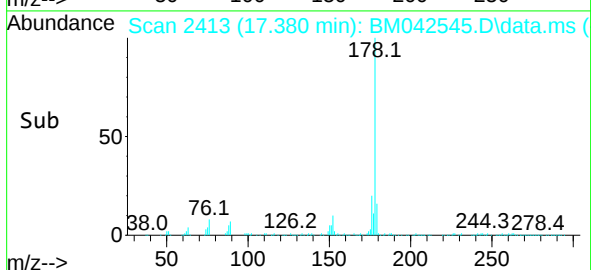
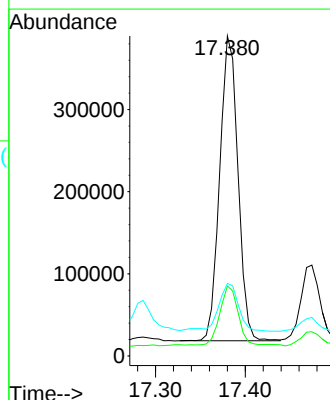
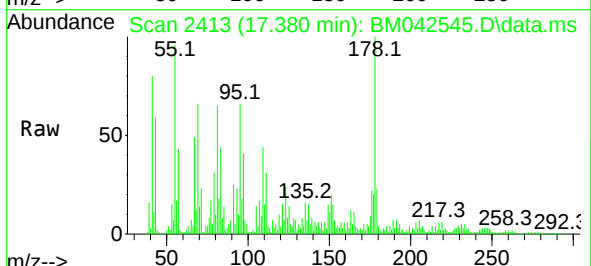
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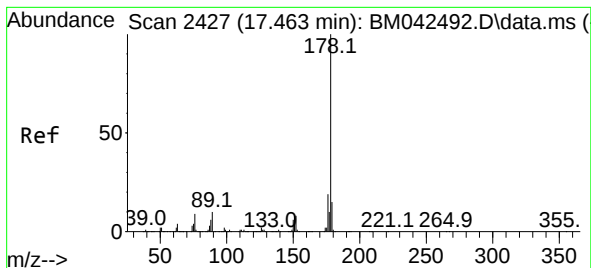
Ion Ratio Lower Upper

178 100

176 21.9 15.8 23.8

179 22.7 12.2 18.4





#72

Anthracene

Concen: 7.811 ng

RT: 17.474 min Scan# 2427

Delta R.T. 0.012 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Instrument :

BNA_M

ClientSampleId :

WC-1

Tgt Ion:178 Resp: 13525

Ion Ratio Lower Upper

178 100

176 26.6 15.2 22.8

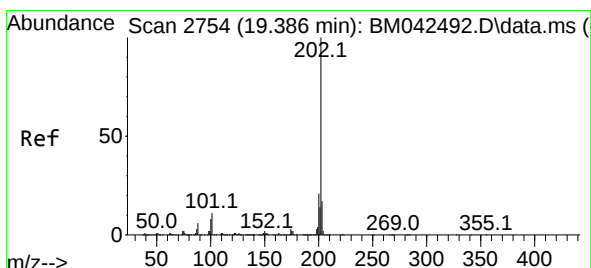
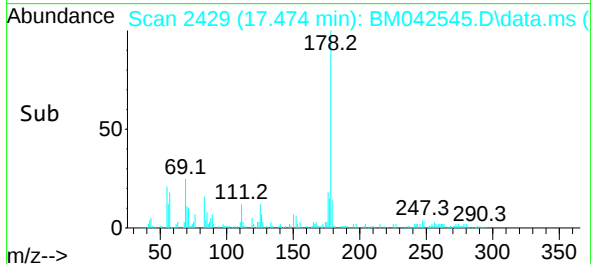
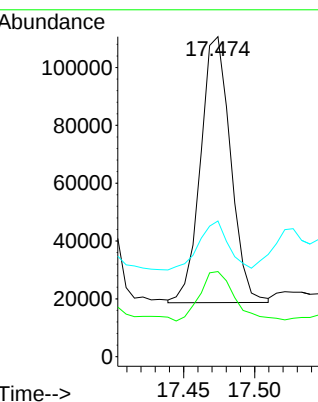
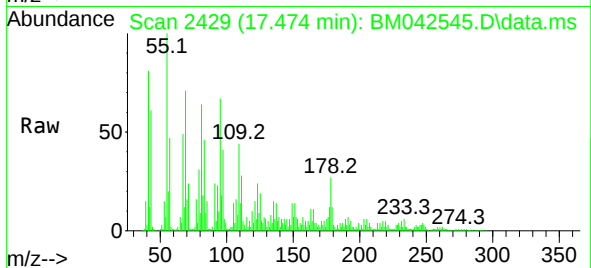
179 42.4 12.3 18.5

Manual Integrations

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Supervised By :mohammad ahmed 11/02/2023



#75

Fluoranthene

Concen: 45.336 ng

RT: 19.398 min Scan# 2756

Delta R.T. 0.012 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

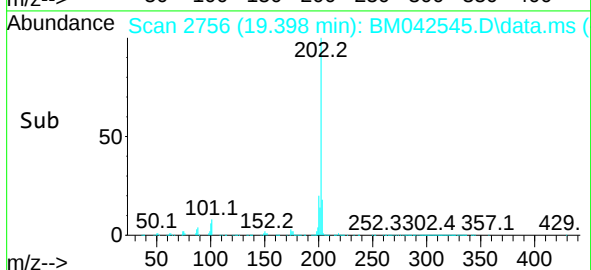
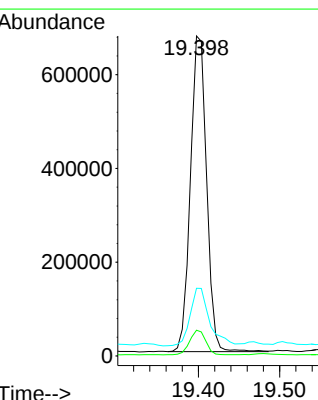
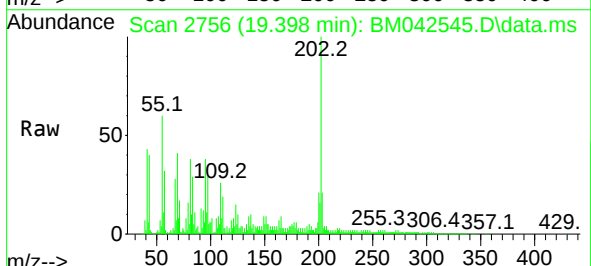
Tgt Ion:202 Resp: 931057

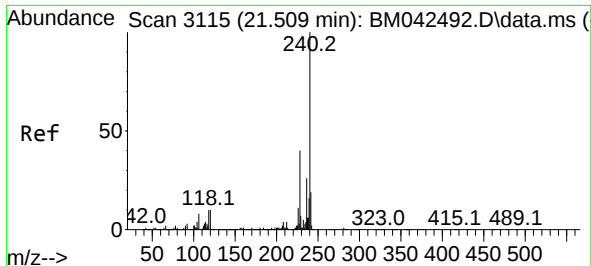
Ion Ratio Lower Upper

202 100

101 8.1 0.0 30.5

203 21.2 0.0 37.0





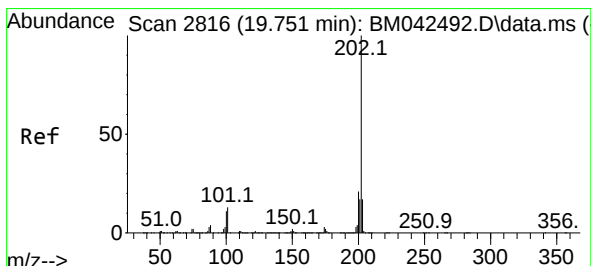
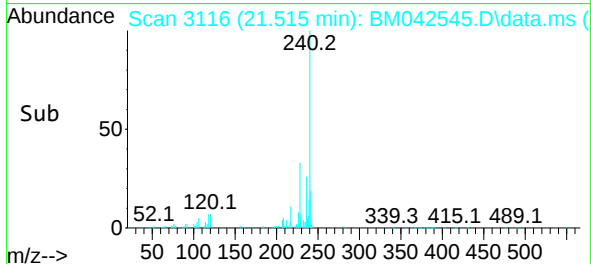
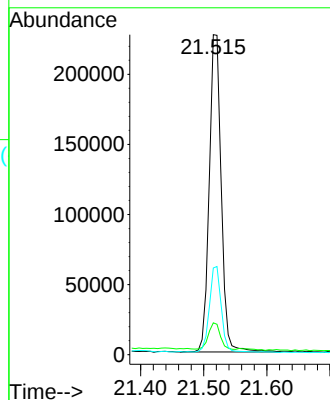
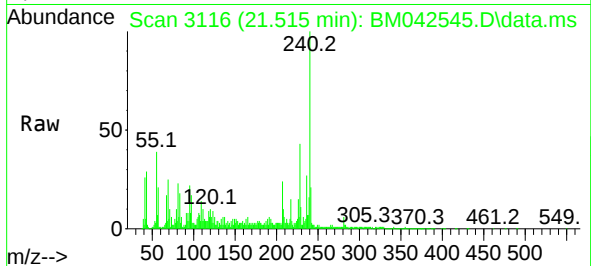
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Instrument :
BNA_M
ClientSampleId :
WC-1

Tgt Ion:240 Resp: 299840
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 27.1 20.8 31.2

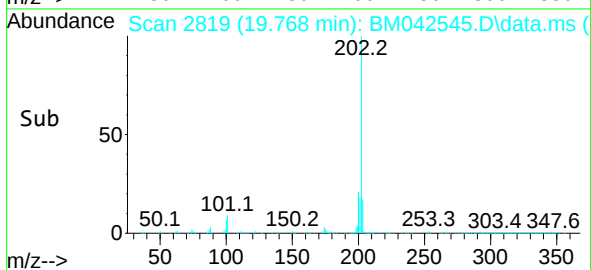
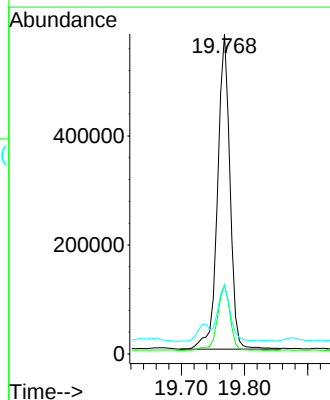
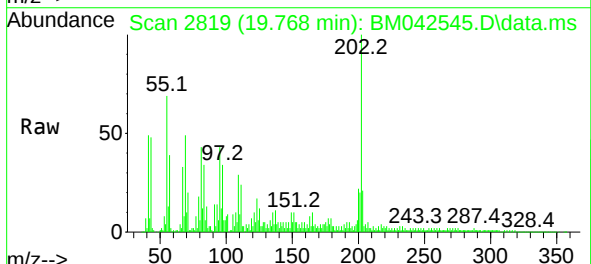
Manual Integrations
APPROVED

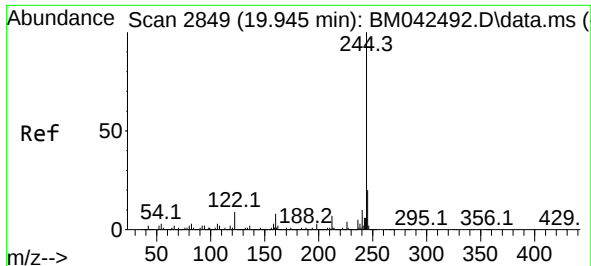
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#78
Pyrene
Concen: 38.207 ng
RT: 19.768 min Scan# 2819
Delta R.T. 0.018 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

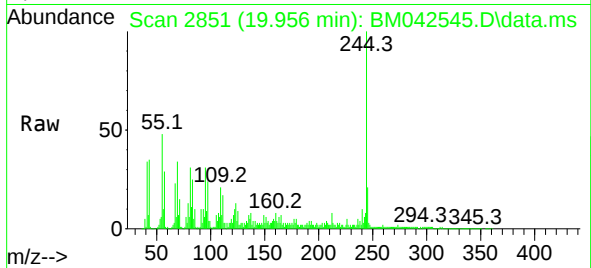
Tgt Ion:202 Resp: 786669
Ion Ratio Lower Upper
202 100
200 21.6 16.9 25.3
203 21.4 13.7 20.5#





#79
 Terphenyl-d14
 Concen: 54.050 ng
 RT: 19.956 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BM042545.D
 Acq: 01 Nov 2023 18:24

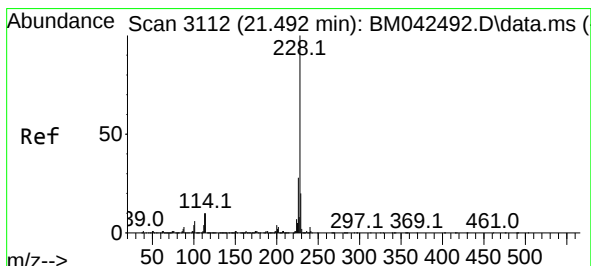
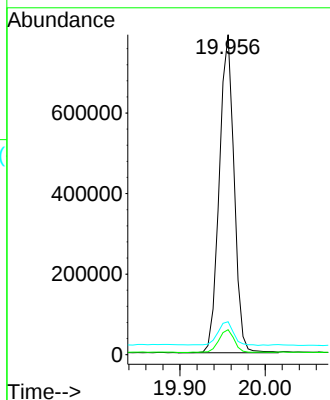
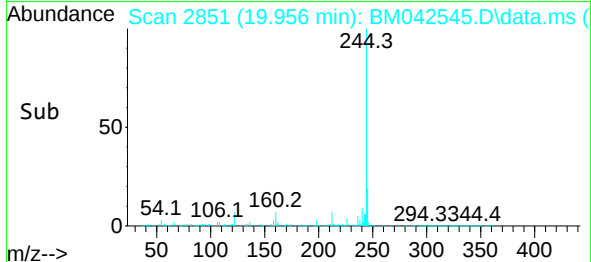
Instrument :
 BNA_M
 ClientSampleId :
 WC-1



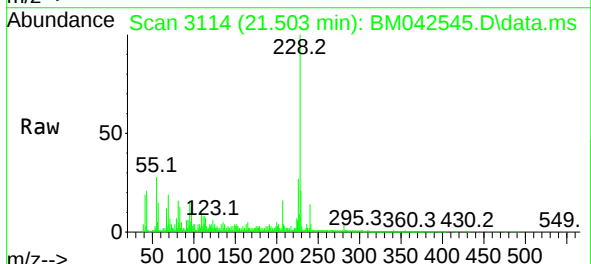
Tgt Ion:244 Resp: 955804
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.4 8.2
 122 10.3 7.2 10.8

Manual Integrations
 APPROVED

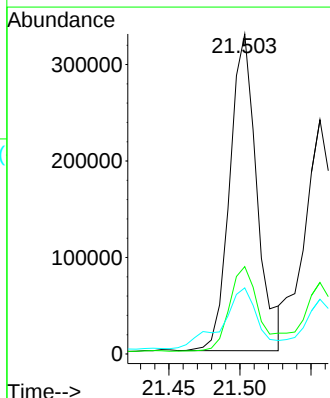
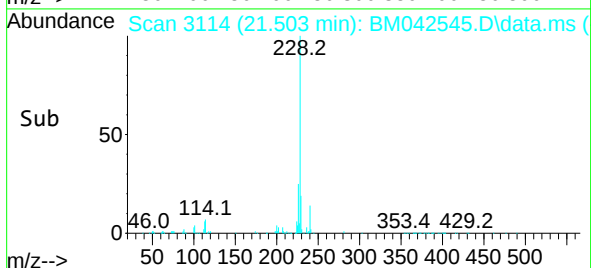
Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023

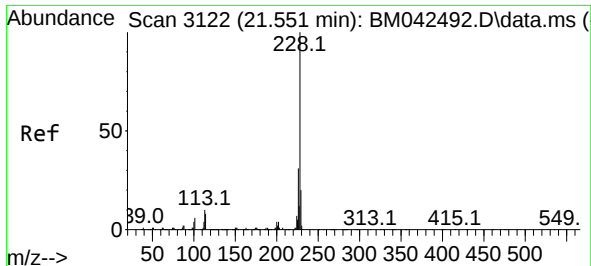


#81
 Benzo(a)anthracene
 Concen: 22.909 ng
 RT: 21.503 min Scan# 3114
 Delta R.T. 0.012 min
 Lab File: BM042545.D
 Acq: 01 Nov 2023 18:24



Tgt Ion:228 Resp: 437052
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.3 33.5
 229 20.7 15.8 23.8





#83

Chrysene

Concen: 17.598 ng

RT: 21.556 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Instrument :

BNA_M

ClientSampleId :

WC-1

Tgt Ion:228 Resp: 34103

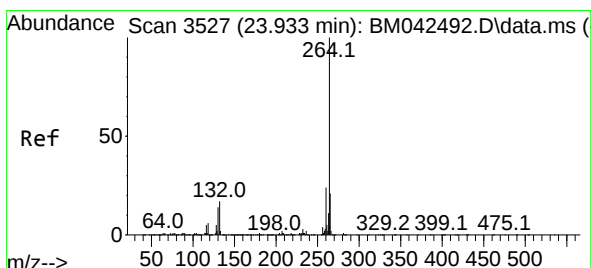
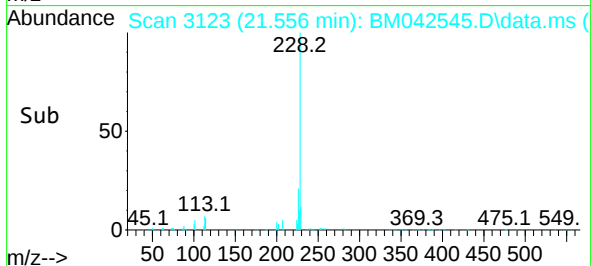
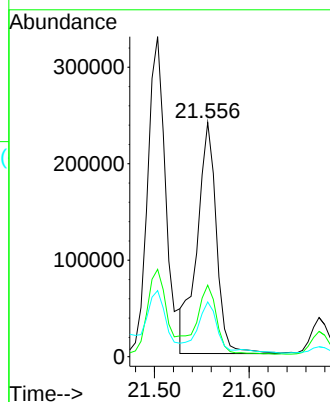
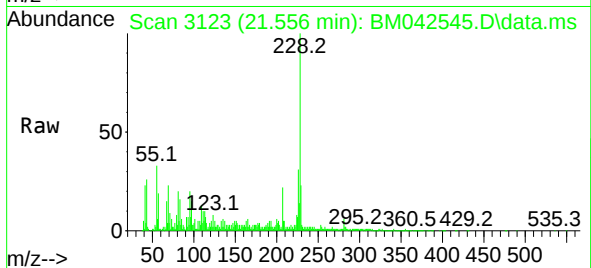
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	23.4	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3526

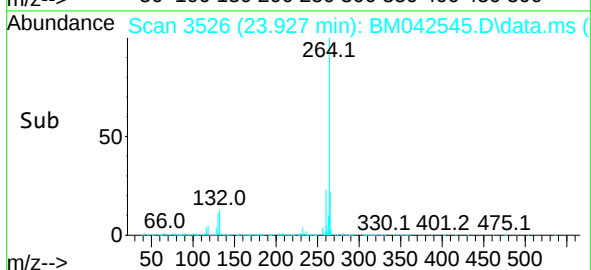
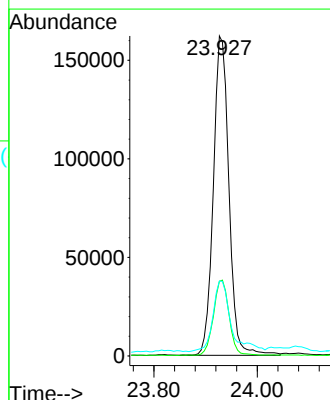
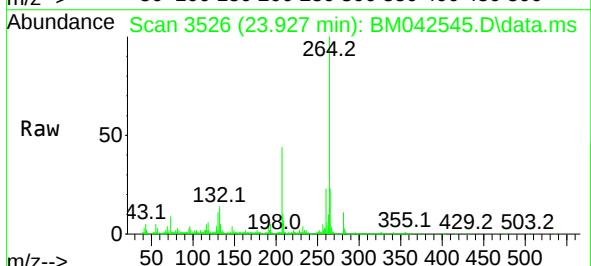
Delta R.T. -0.006 min

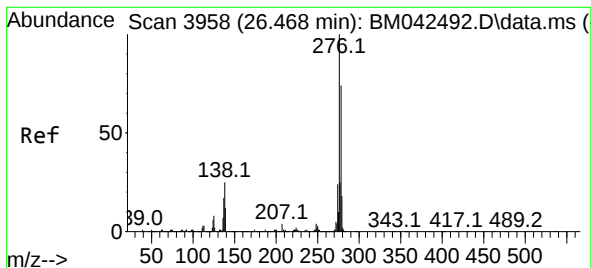
Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Tgt Ion:264 Resp: 339033

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





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.928 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.012 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Instrument :

BNA_M

ClientSampleId :

WC-1

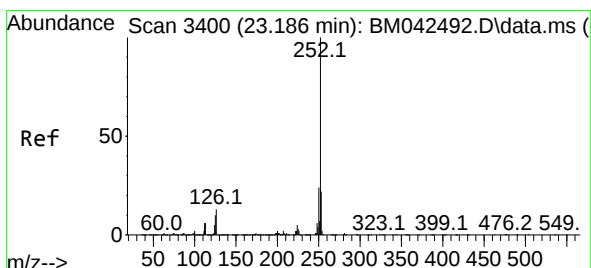
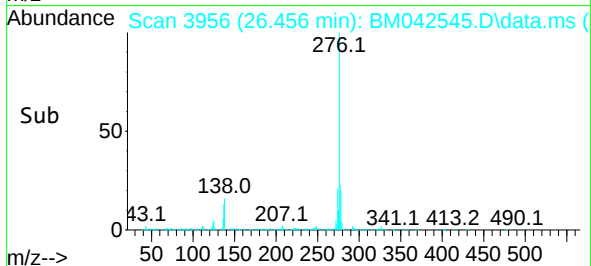
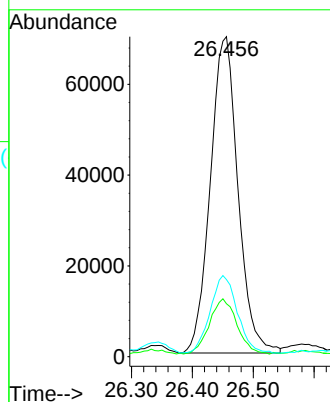
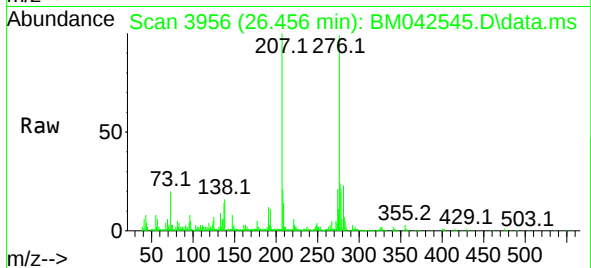
Tgt Ion:	276	Resp:	220510
Ion Ratio	Lower	Upper	
276	100		
138	17.3	20.6	31.0
277	23.8	19.5	29.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#88

Benzo(b)fluoranthene

Concen: 24.222 ng

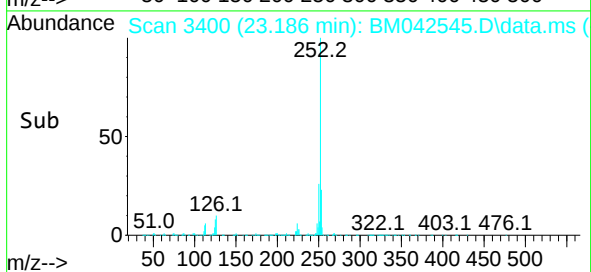
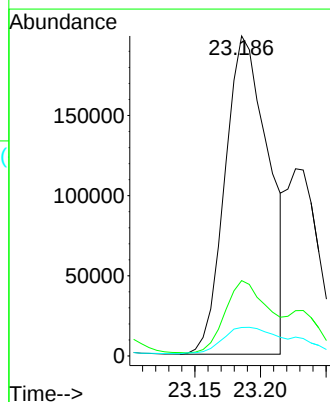
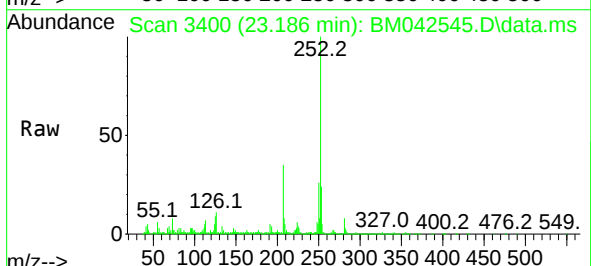
RT: 23.186 min Scan# 3400

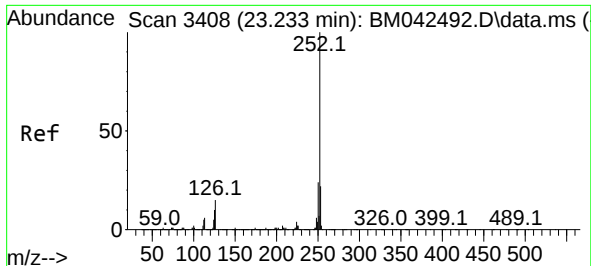
Delta R.T. -0.000 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Tgt Ion:	252	Resp:	457514
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.5	26.3
125	8.9	7.8	11.6





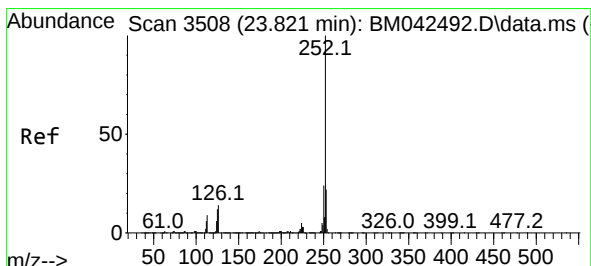
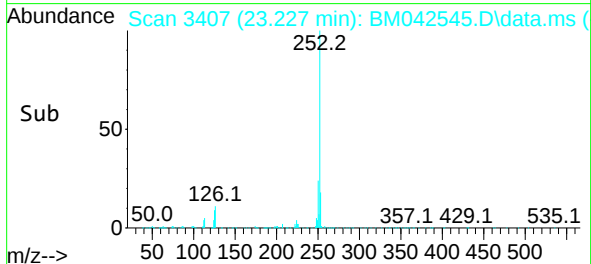
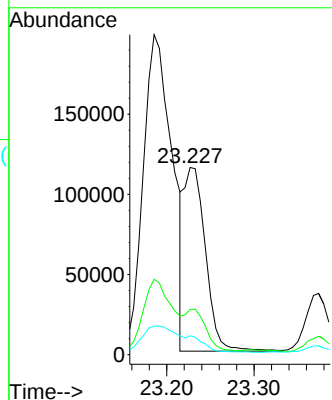
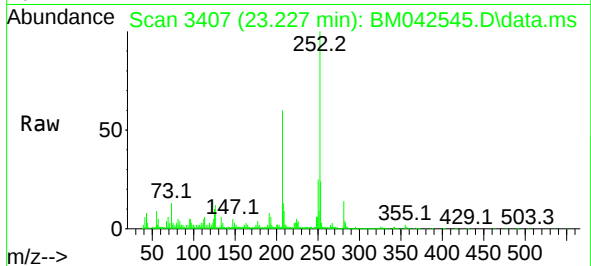
#89
Benzo(k)fluoranthene
Concen: 9.324 ng m
RT: 23.227 min Scan# 3408
Delta R.T. -0.006 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Instrument :
BNA_M
ClientSampleId :
WC-1

Tgt Ion:252 Resp: 196254
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 10.1 8.2 12.4

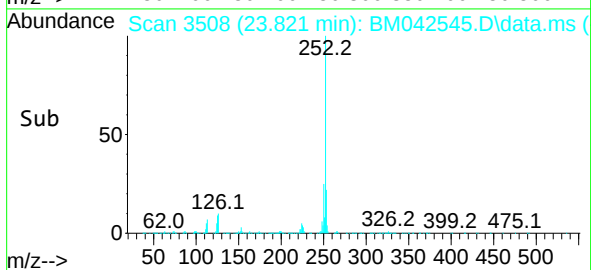
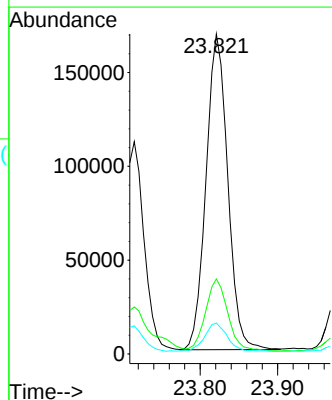
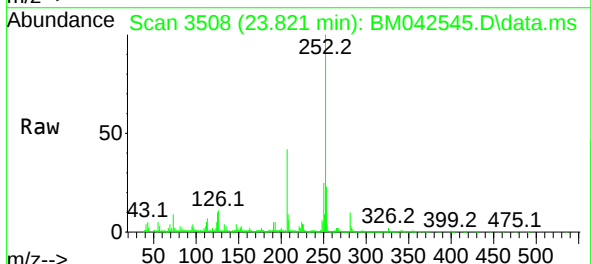
Manual Integrations
APPROVED

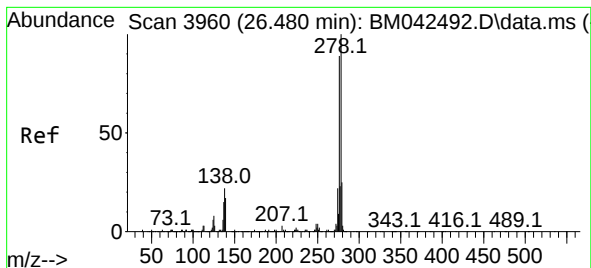
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#90
Benzo(a)pyrene
Concen: 17.603 ng
RT: 23.821 min Scan# 3508
Delta R.T. -0.000 min
Lab File: BM042545.D
Acq: 01 Nov 2023 18:24

Tgt Ion:252 Resp: 327340
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 9.7 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 7.169 ng

RT: 26.462 min Scan# 3957

Delta R.T. -0.018 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Instrument :

BNA_M

ClientSampleId :

WC-1

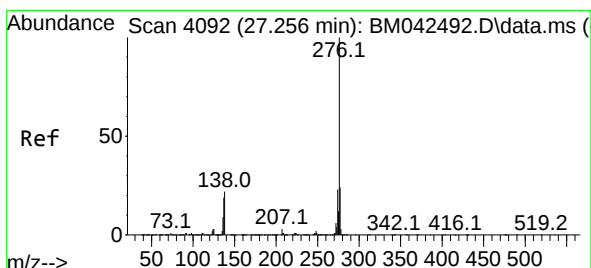
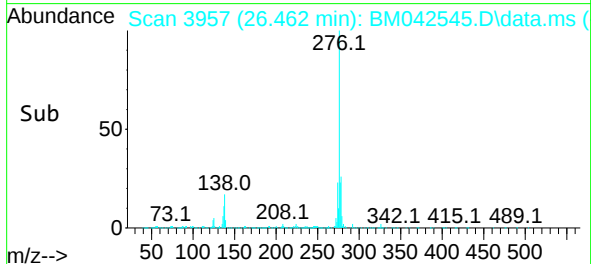
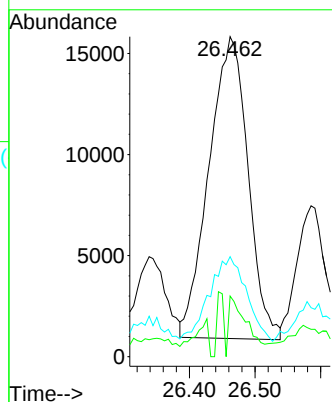
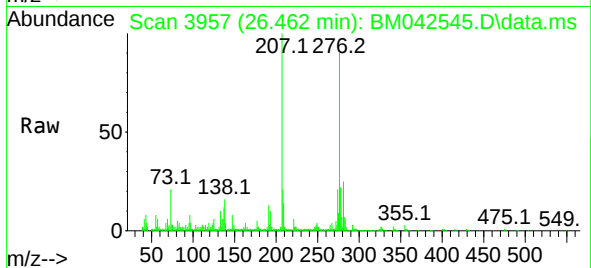
Tgt Ion:	278	Resp:	61789
Ion Ratio	Lower	Upper	
278	100		
139	19.0	13.4	20.2
279	31.2	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#92

Benzo(g,h,i)perylene

Concen: 11.736 ng

RT: 27.244 min Scan# 4090

Delta R.T. -0.012 min

Lab File: BM042545.D

Acq: 01 Nov 2023 18:24

Tgt Ion:	276	Resp:	208716
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.2	28.8
138	19.7	17.3	25.9

