

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
 Data File : BP019609.D
 Acq On : 08 Feb 2024 14:39
 Operator : MA/JU
 Sample : P1141-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EB-2-0-2D

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024
 Supervised By :mohammad ahmed 02/09/2024

Quant Time: Feb 08 15:03:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	95107	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	374871	20.000	ng	-0.01
39) Acenaphthene-d10	14.534	164	249146	20.000	ng	-0.02
64) Phenanthrene-d10	17.292	188	551891	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	520970	20.000	ng	0.00
86) Perylene-d12	23.804	264	598423	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	482450	81.768	ng	0.00
7) Phenol-d6	7.075	99	692936	87.100	ng	-0.01
23) Nitrobenzene-d5	9.069	82	459516	53.116	ng	-0.02
42) 2,4,6-Tribromophenol	16.028	330	326282	89.694	ng	-0.01
45) 2-Fluorobiphenyl	13.169	172	1005043	49.869	ng	-0.01
79) Terphenyl-d14	19.863	244	1595746	50.373	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.257	152	193969	8.470	ng	99
58) Fluorene	15.586	166	44532	2.415	ng	97
71) Phenanthrene	17.333	178	653542	22.502	ng	99
72) Anthracene	17.428	178	276046	9.528	ng	100
75) Fluoranthene	19.304	202	1829252	51.557	ng	99
78) Pyrene	19.657	202	1789170	48.661	ng	99
81) Benzo(a)anthracene	21.374	228	1397346m	38.103	ng	
83) Chrysene	21.427	228	1191841m	34.231	ng	
87) Indeno(1,2,3-cd)pyrene	26.327	276	1007786	22.001	ng	97
88) Benzo(b)fluoranthene	23.074	252	1873207	49.666	ng	97
89) Benzo(k)fluoranthene	23.116	252	622231m	17.271	ng	
90) Benzo(a)pyrene	23.704	252	1422977	42.403	ng	97
91) Dibenzo(a,h)anthracene	26.345	278	262849	6.977	ng	# 89
92) Benzo(g,h,i)perylene	27.109	276	961882	25.166	ng	98

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

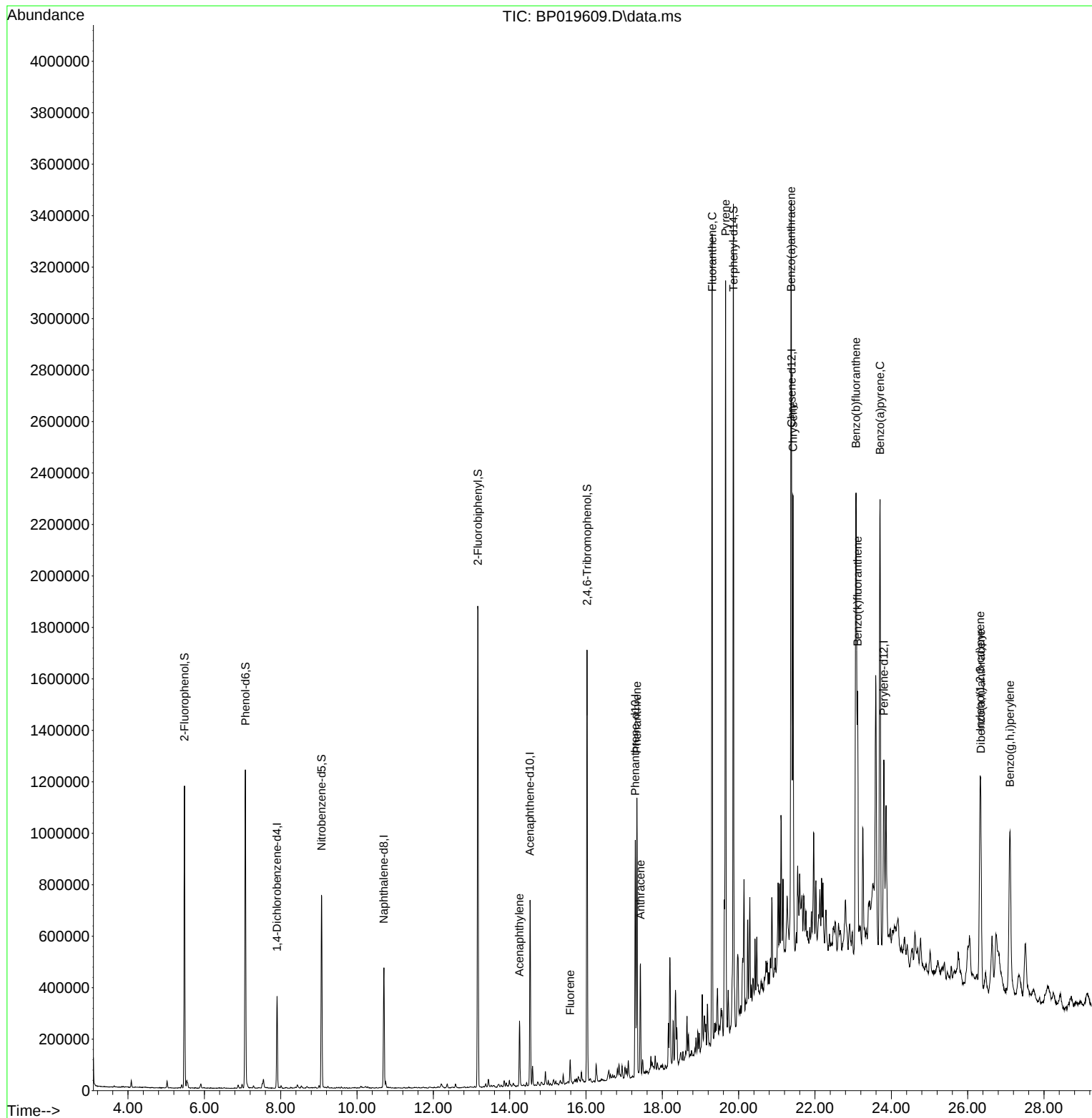
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
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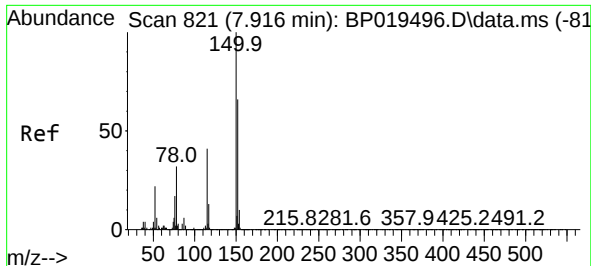
Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D

Quant Time: Feb 08 15:03:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
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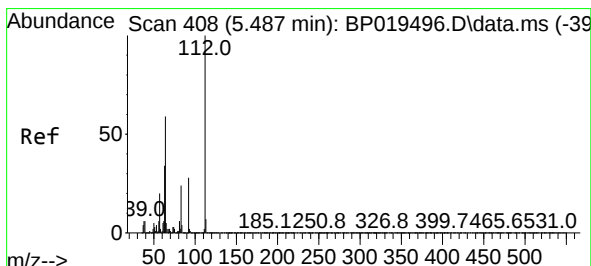
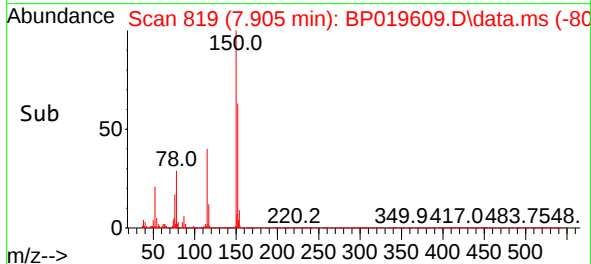
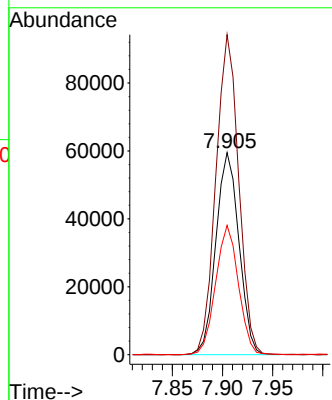
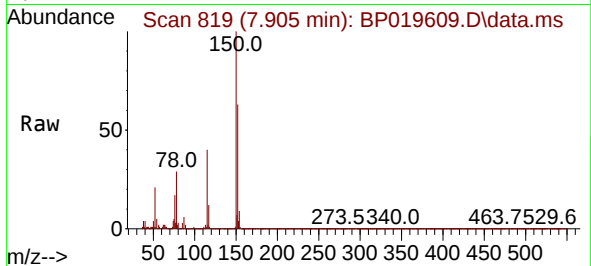
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D

Tgt Ion:152 Resp: 9510
Ion Ratio Lower Upper
152 100
150 158.3 121.8 182.8
115 64.0 49.9 74.9

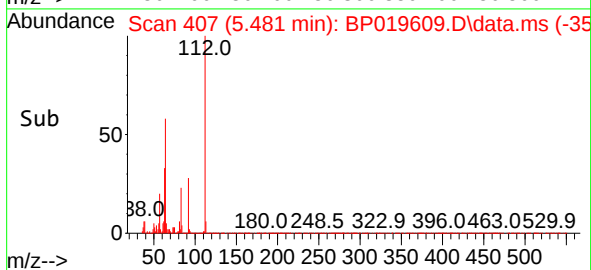
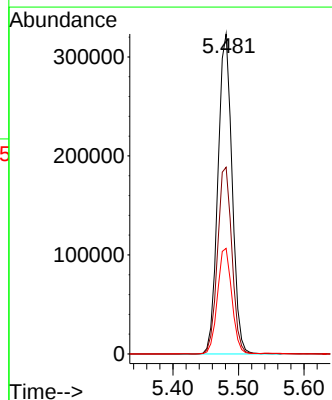
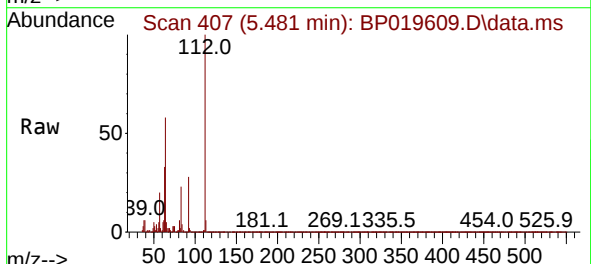
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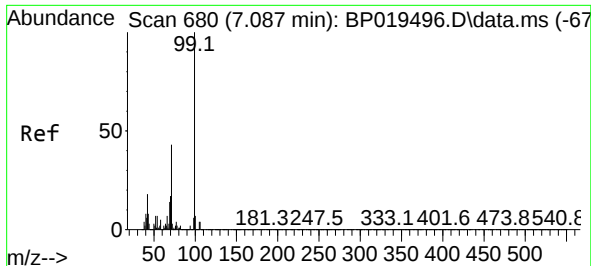
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Supervised By :mohammad ahmed 02/09/2024



#5
2-Fluorophenol
Concen: 81.768 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

Tgt Ion:112 Resp: 482450
Ion Ratio Lower Upper
112 100
64 58.3 47.4 71.0
63 33.0 27.0 40.6





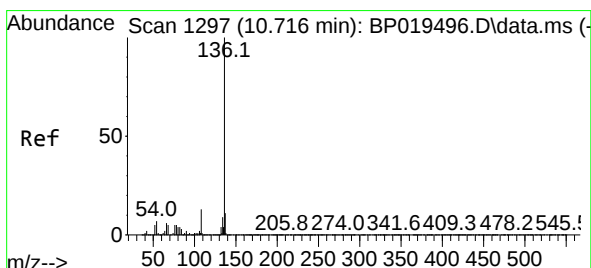
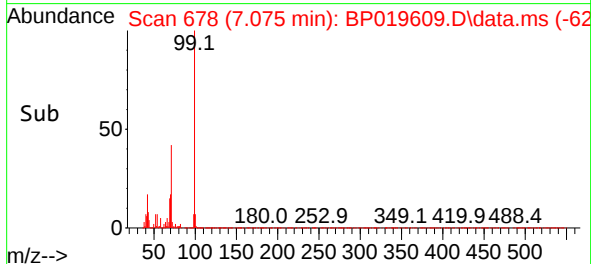
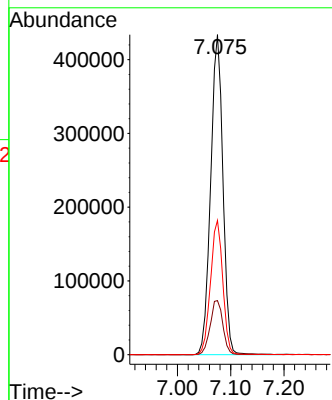
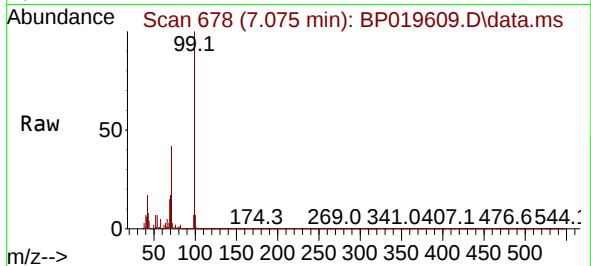
#7
Phenol-d6
Concen: 87.100 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D

Tgt Ion: 99 Resp: 692930
Ion Ratio Lower Upper
99 100
42 16.9 14.7 22.1
71 42.0 34.8 52.2

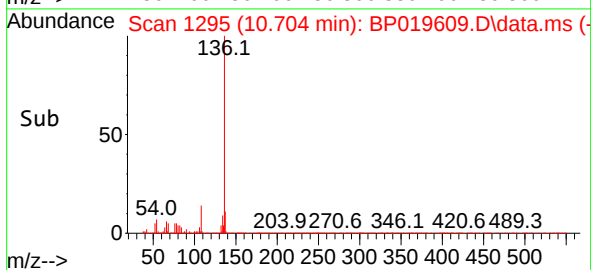
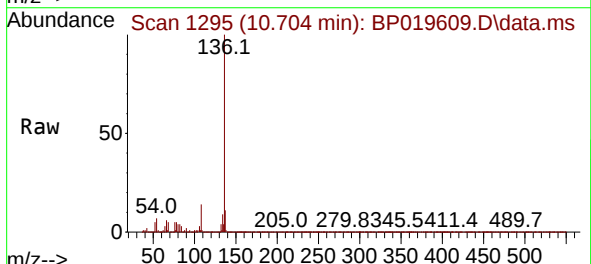
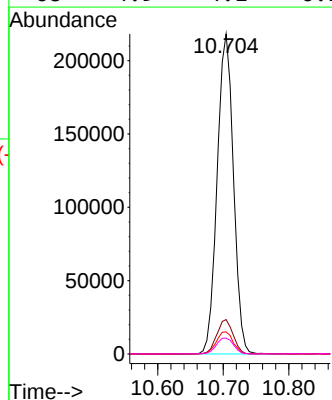
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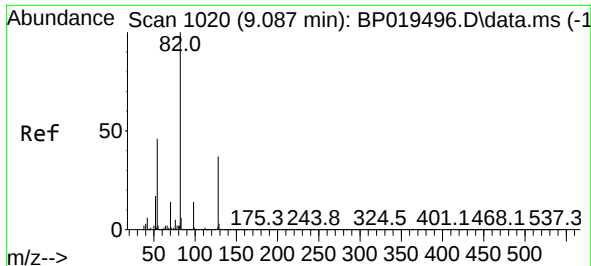
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

Tgt Ion:136 Resp: 374871
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.9 5.3 7.9
68 4.9 4.1 6.1





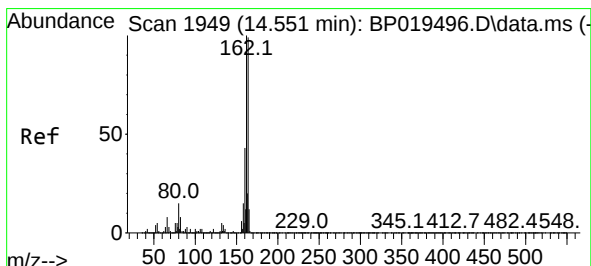
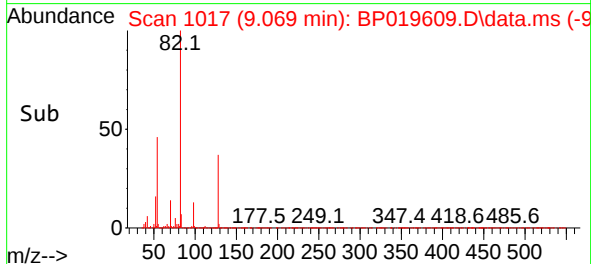
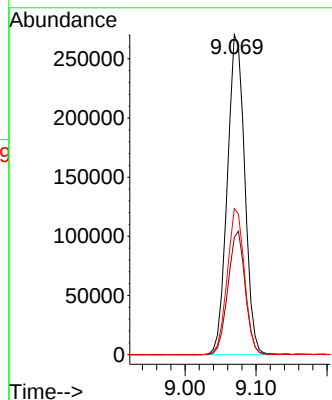
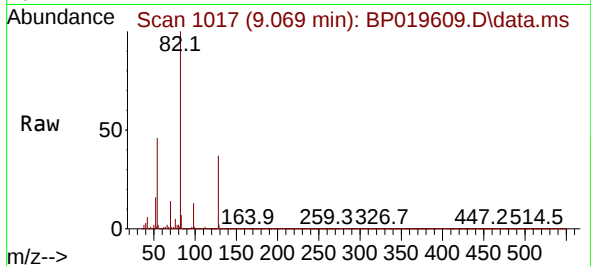
#23
Nitrobenzene-d5
Concen: 53.116 ng
RT: 9.069 min Scan# 1020
Delta R.T. -0.017 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D

Tgt Ion: 82 Resp: 459510
Ion Ratio Lower Upper
82 100
128 36.7 29.7 44.5
54 45.7 36.8 55.2

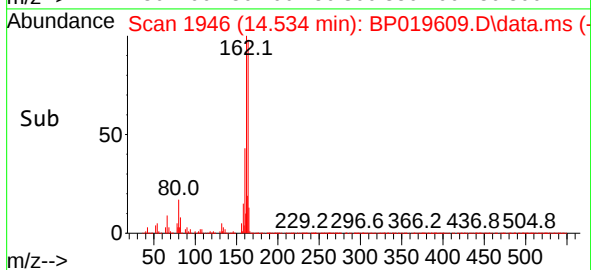
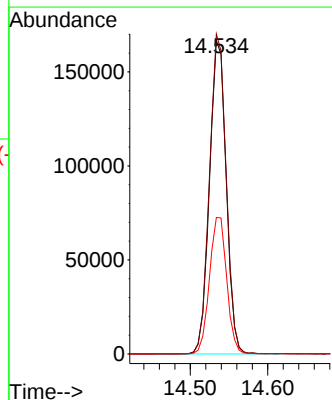
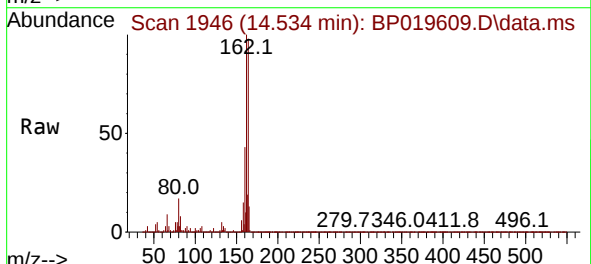
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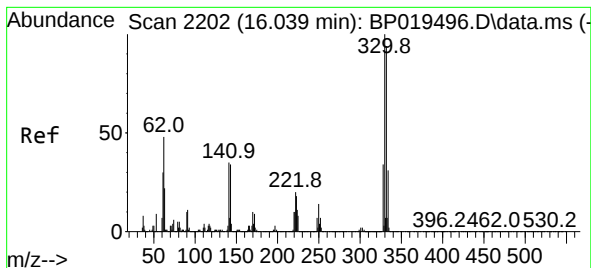
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.017 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

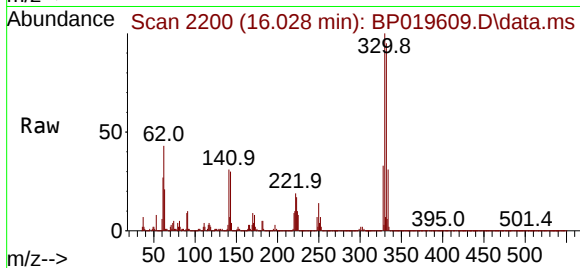
Tgt Ion:164 Resp: 249146
Ion Ratio Lower Upper
164 100
162 102.1 81.2 121.8
160 43.6 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 89.694 ng
RT: 16.028 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

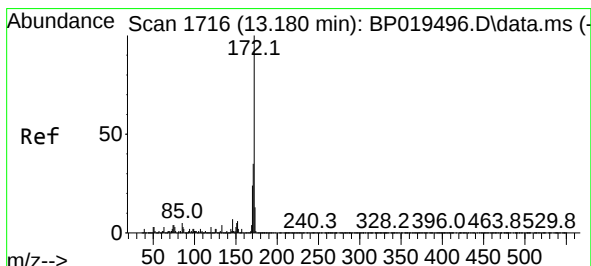
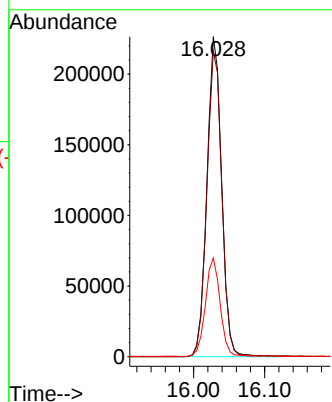
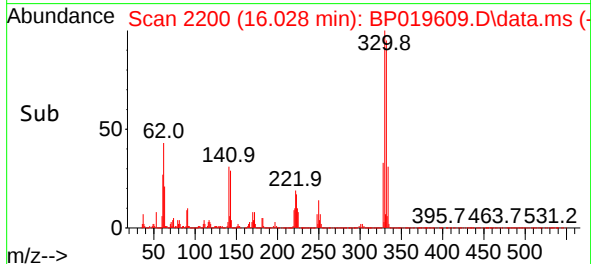
Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D



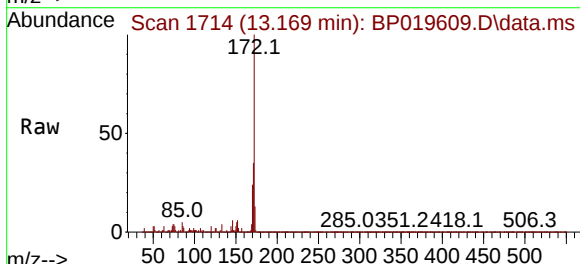
Tgt Ion:330 Resp: 32628
Ion Ratio Lower Upper
330 100
332 97.1 77.2 115.8
141 30.7 27.0 40.4

Manual Integrations
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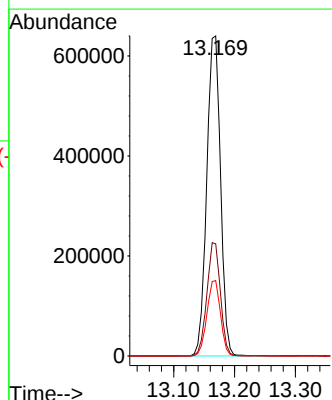
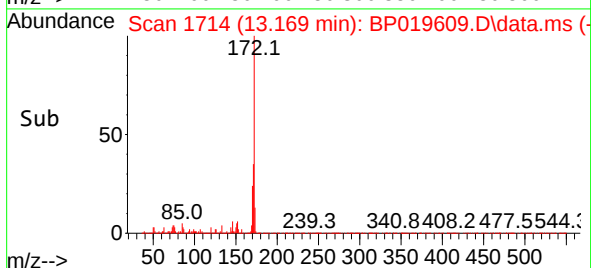
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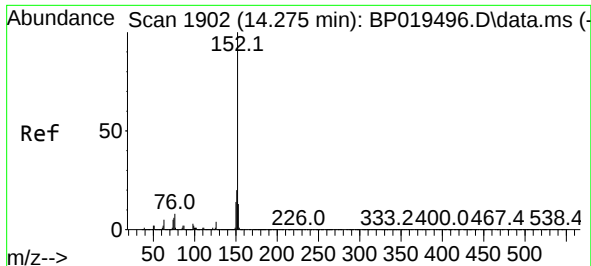


#45
2-Fluorobiphenyl
Concen: 49.869 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.011 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39



Tgt Ion:172 Resp: 1005043
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 23.5 18.9 28.3





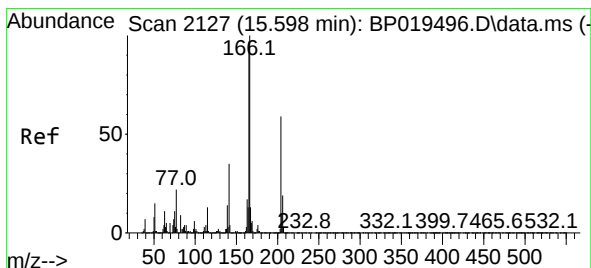
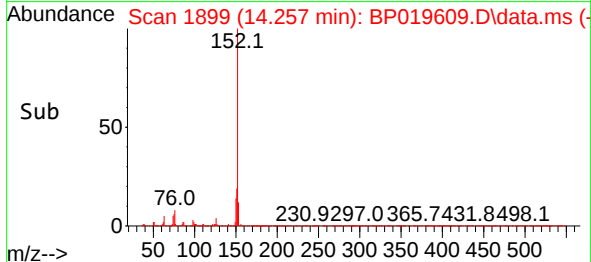
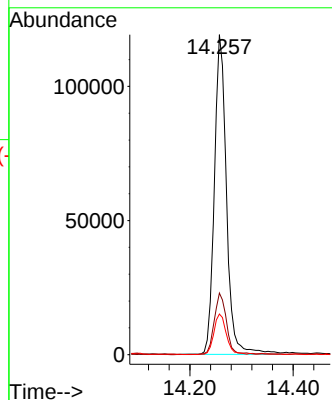
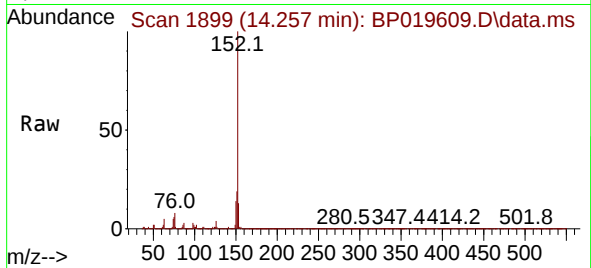
#49
Acenaphthylene
Concen: 8.470 ng
RT: 14.257 min Scan# 1899
Delta R.T. -0.017 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D

Tgt Ion:152 Resp: 193969
Ion Ratio Lower Upper
152 100
151 19.2 15.8 23.6
153 12.7 10.6 15.8

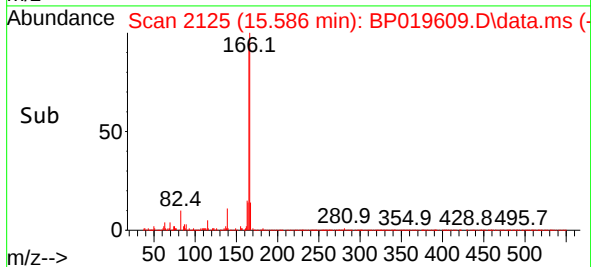
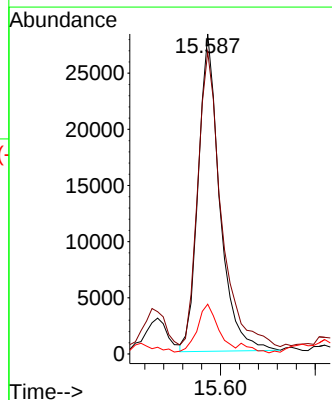
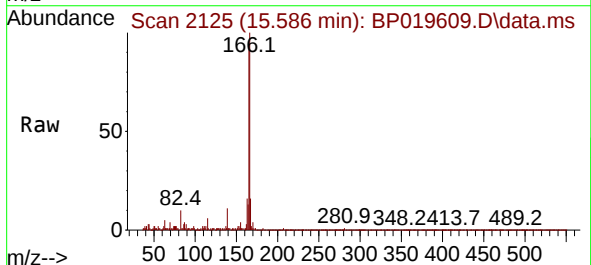
Manual Integrations
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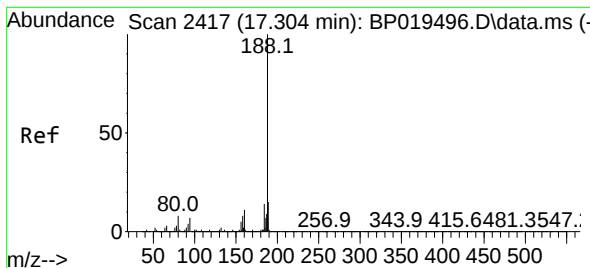
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#58
Fluorene
Concen: 2.415 ng
RT: 15.586 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

Tgt Ion:166 Resp: 44532
Ion Ratio Lower Upper
166 100
165 94.4 77.8 116.8
167 15.5 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.292 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Instrument :

BNA_P

ClientSampleId :

EB-2-0-2D

Tgt Ion:188 Resp: 55189

Ion Ratio Lower Upper

188 100

94 6.9 5.4 8.2

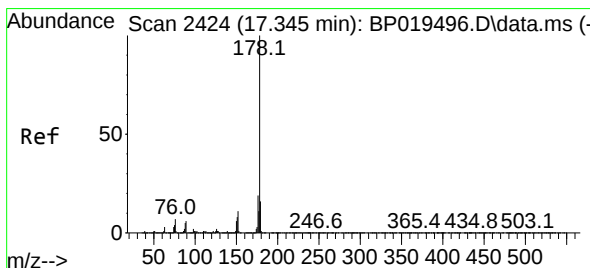
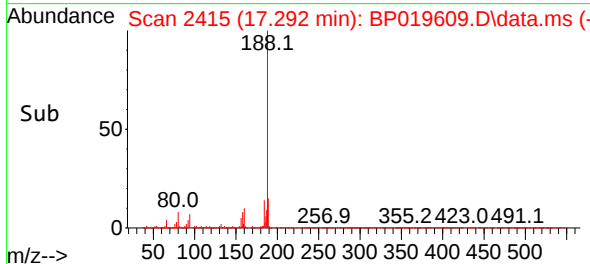
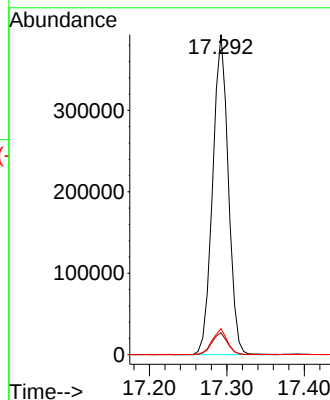
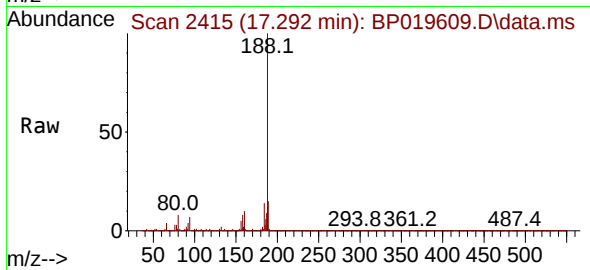
80 8.2 6.3 9.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/09/2024

Supervised By :mohammad ahmed 02/09/2024



#71

Phenanthrene

Concen: 22.502 ng

RT: 17.333 min Scan# 2422

Delta R.T. -0.012 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

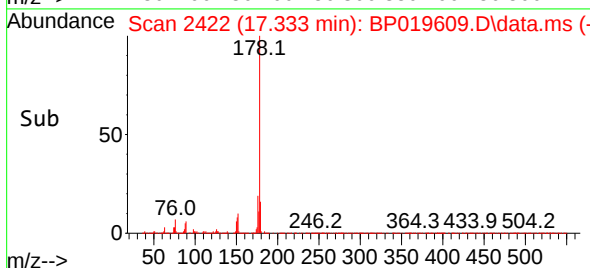
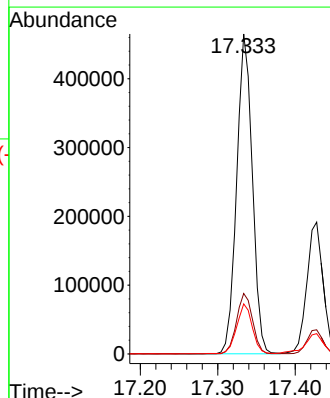
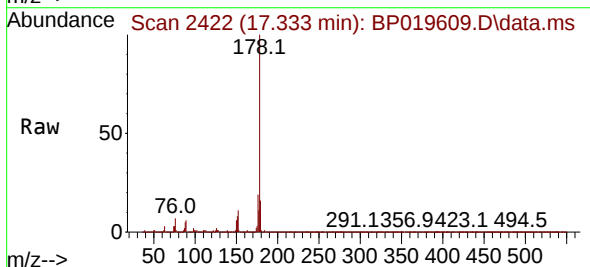
Tgt Ion:178 Resp: 653542

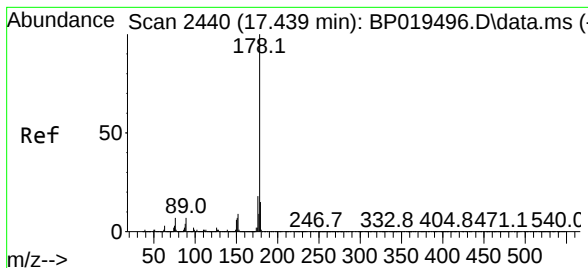
Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.7 12.6 19.0





#72

Anthracene

Concen: 9.528 ng

RT: 17.428 min Scan# 2440

Delta R.T. -0.011 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Instrument :

BNA_P

ClientSampleId :

EB-2-0-2D

Tgt Ion:178 Resp: 276040

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

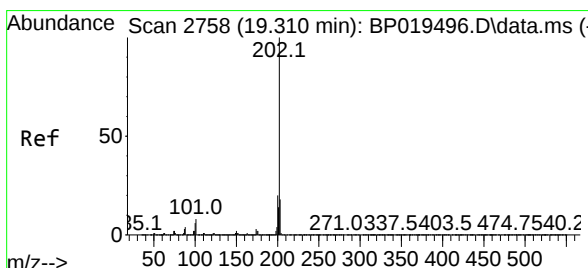
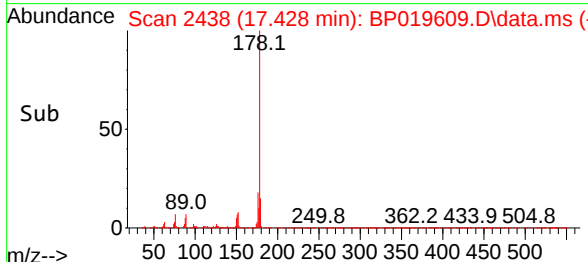
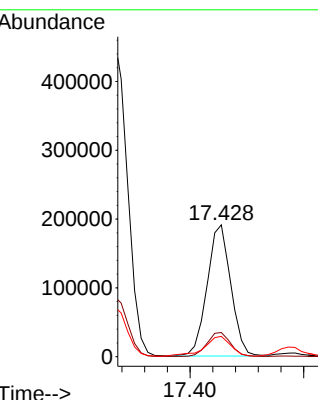
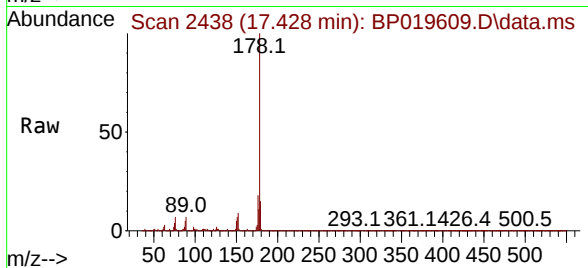
179 15.4 12.2 18.2

Manual Integrations

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Supervised By :mohammad ahmed 02/09/2024



#75

Fluoranthene

Concen: 51.557 ng

RT: 19.304 min Scan# 2757

Delta R.T. -0.006 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

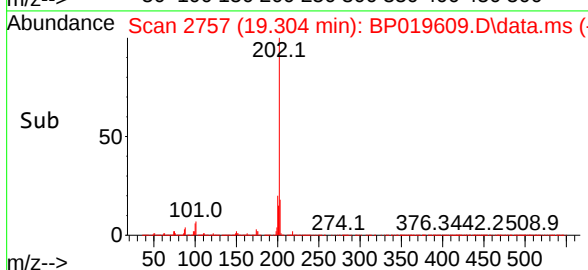
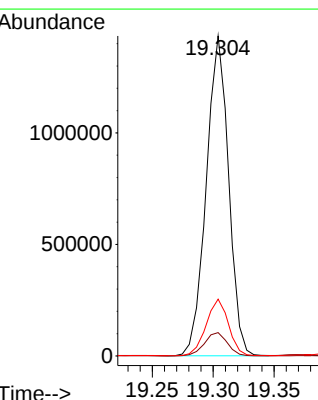
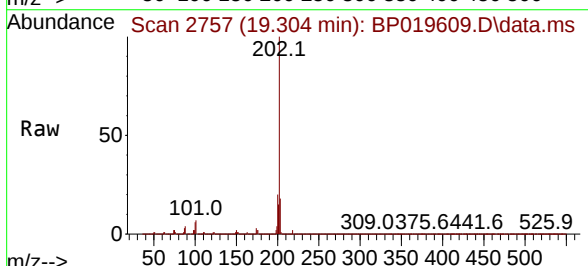
Tgt Ion:202 Resp: 1829252

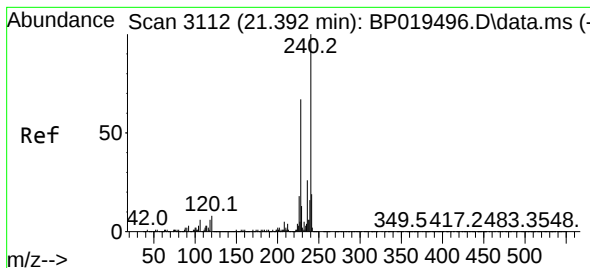
Ion Ratio Lower Upper

202 100

101 7.3 0.0 27.7

203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Instrument :

BNA_P

ClientSampleId :

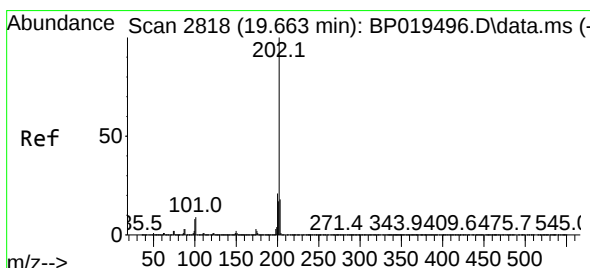
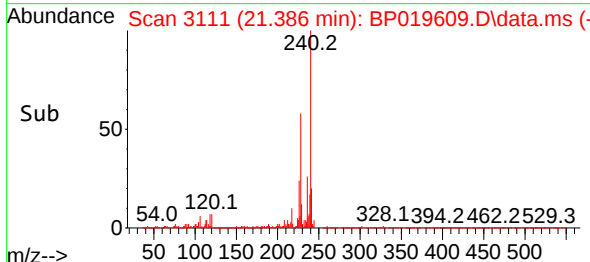
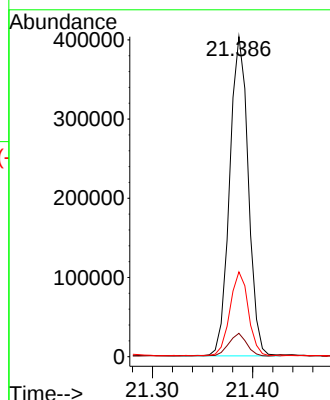
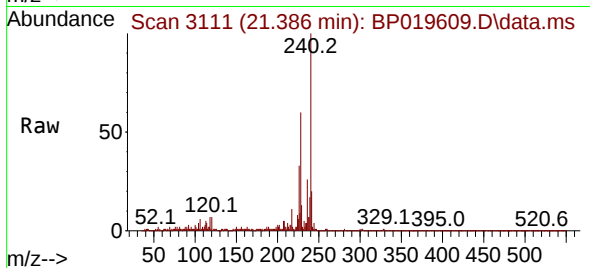
EB-2-0-2D

Tgt Ion:240 Resp: 520970
 Ion Ratio Lower Upper
 240 100
 120 7.3 6.1 9.1
 236 26.5 20.7 31.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/09/2024
 Supervised By :mohammad ahmed 02/09/2024



#78

Pyrene

Concen: 48.661 ng

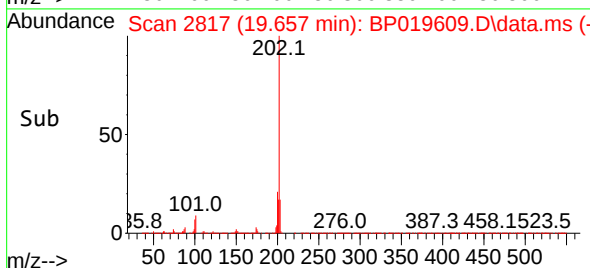
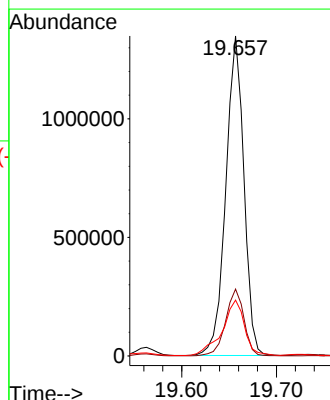
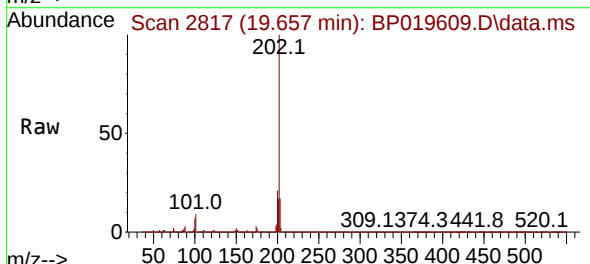
RT: 19.657 min Scan# 2817

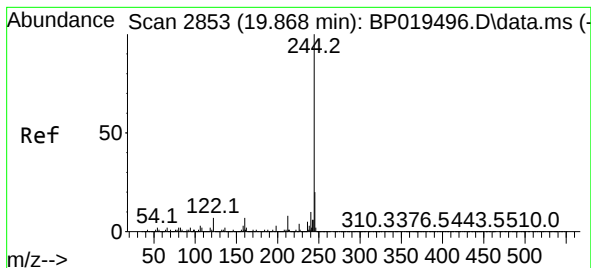
Delta R.T. -0.006 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Tgt Ion:202 Resp: 1789170
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.9 25.3
 203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 50.373 ng

RT: 19.863 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Instrument :

BNA_P

ClientSampleId :

EB-2-0-2D

Tgt Ion:244 Resp: 1595740

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

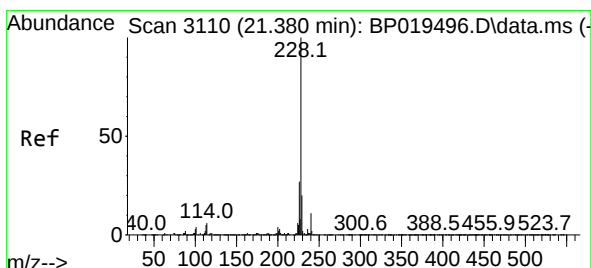
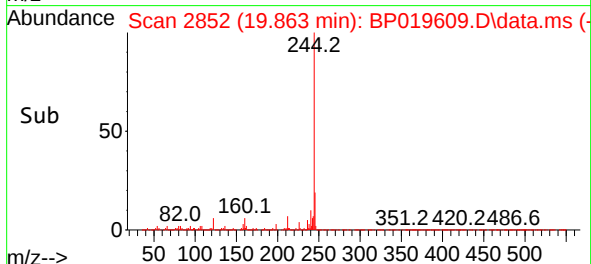
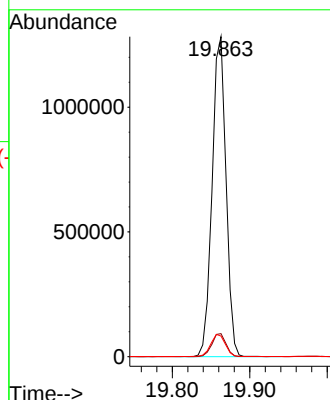
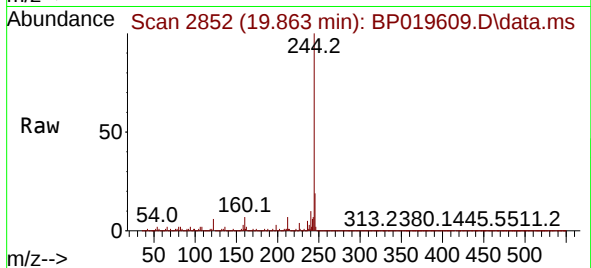
122 6.5 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024

Supervised By :mohammad ahmed 02/09/2024



#81

Benzo(a)anthracene

Concen: 38.103 ng m

RT: 21.374 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

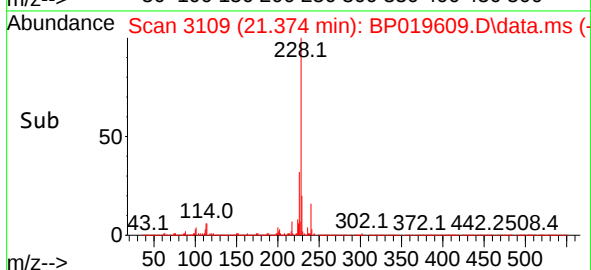
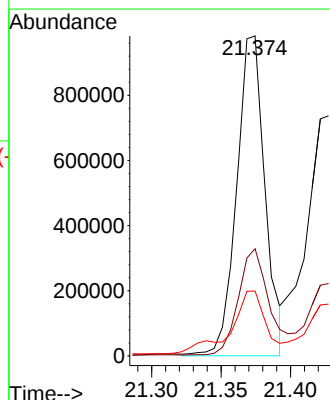
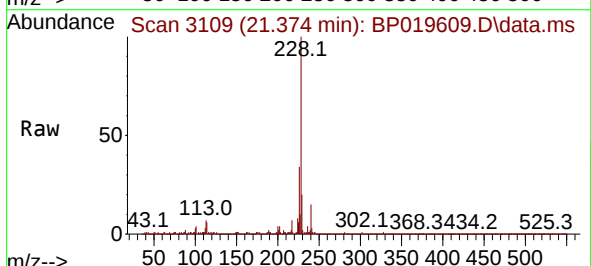
Tgt Ion:228 Resp: 1397346

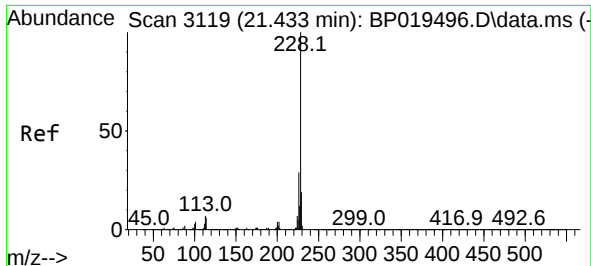
Ion Ratio Lower Upper

228 100

226 33.5 21.7 32.5#

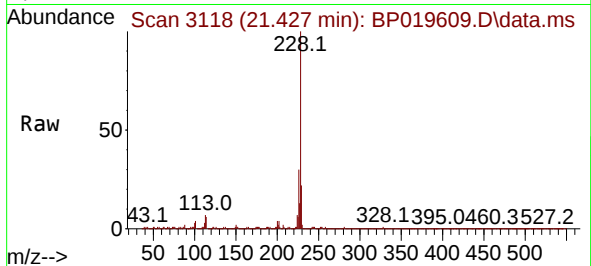
229 20.3 15.6 23.4





#83
Chrysene
Concen: 34.231 ng m
RT: 21.427 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

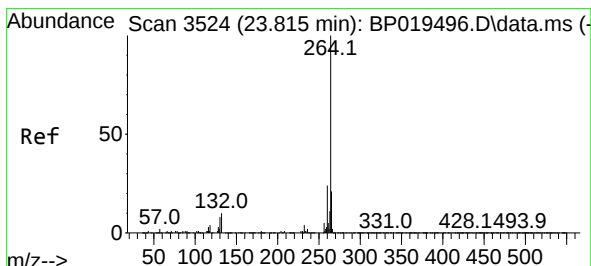
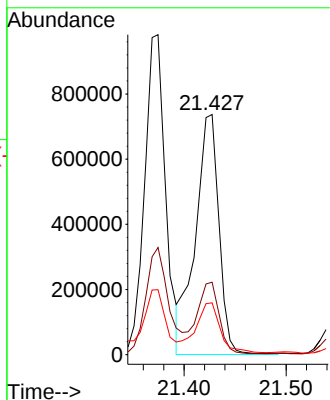
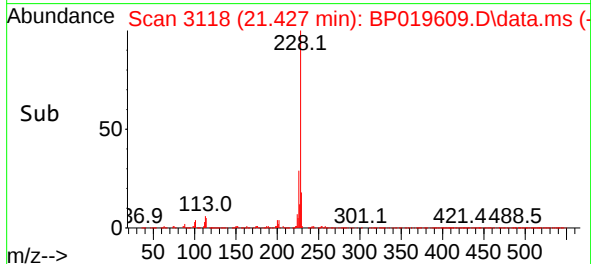
Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D



Tgt Ion:228 Resp: 119184
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.2
229 21.6 15.6 23.4

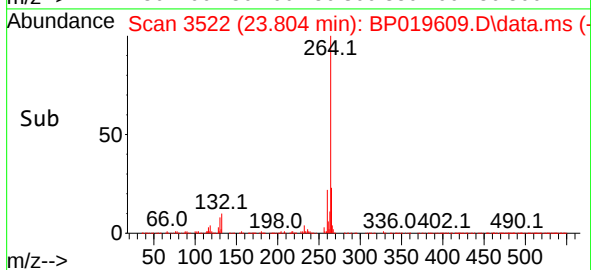
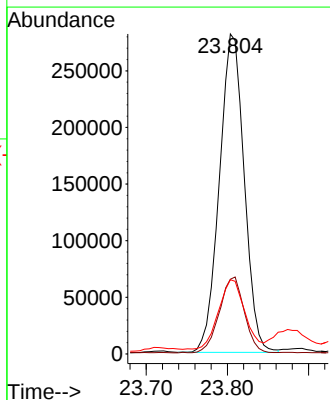
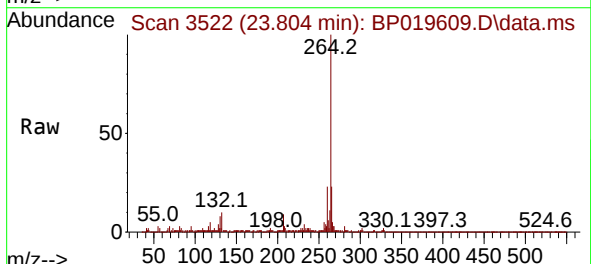
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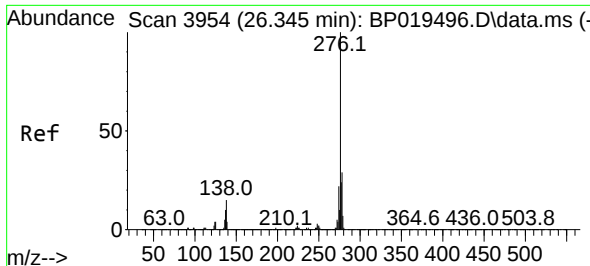
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.804 min Scan# 3522
Delta R.T. -0.012 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

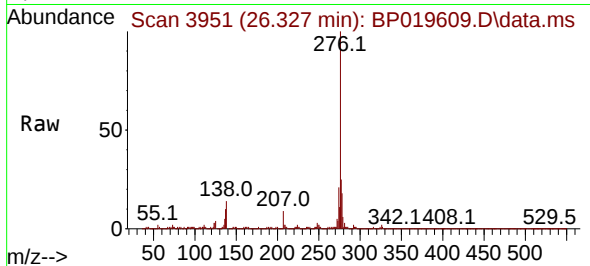
Tgt Ion:264 Resp: 598423
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 23.2 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 22.001 ng
RT: 26.327 min Scan# 3951
Delta R.T. -0.017 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

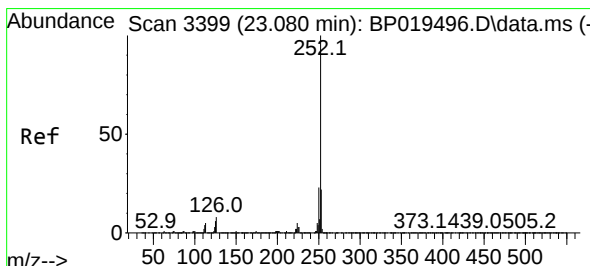
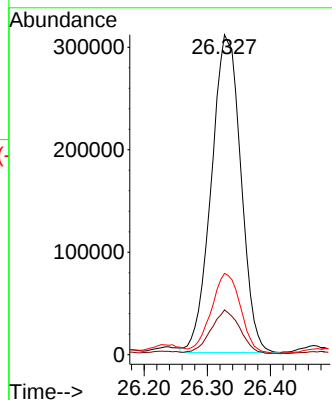
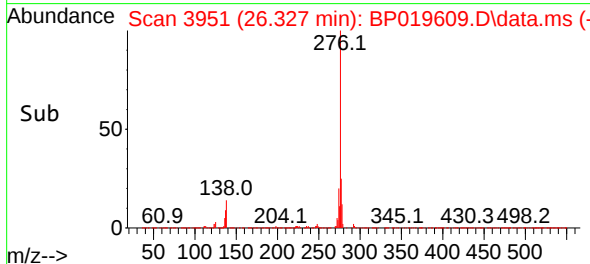
Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D



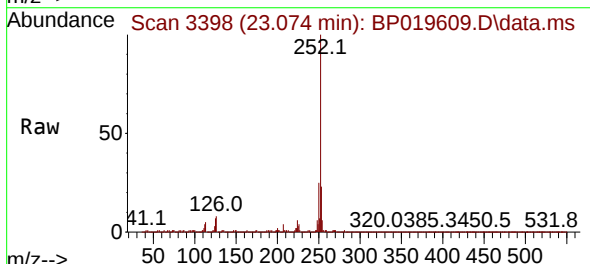
Tgt Ion: 276 Resp: 1007780
Ion Ratio Lower Upper
276 100
138 13.6 13.1 19.7
277 25.0 20.3 30.5

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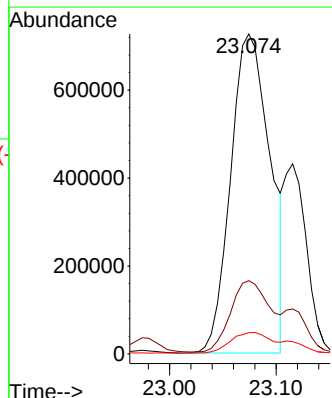
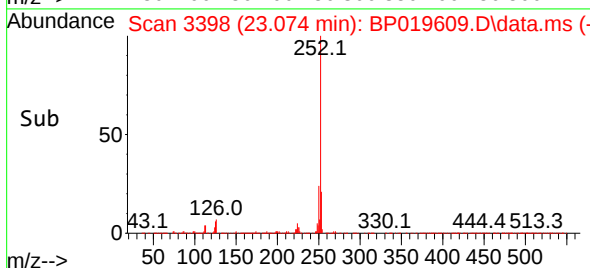
Reviewed By : Jagrut Upadhyay 02/09/2024
Supervised By : mohammad ahmed 02/09/2024

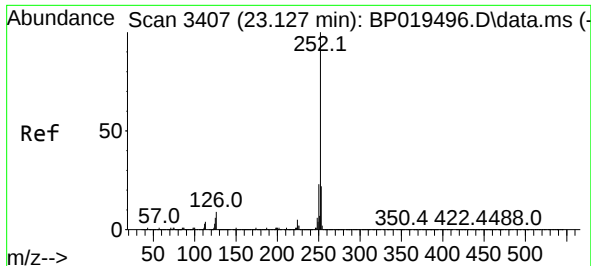


#88
Benzo(b)fluoranthene
Concen: 49.666 ng
RT: 23.074 min Scan# 3398
Delta R.T. -0.006 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39



Tgt Ion: 252 Resp: 1873207
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 6.6 4.9 7.3





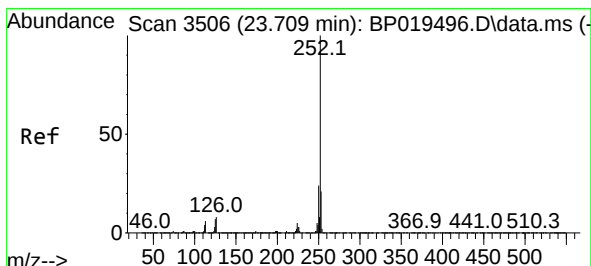
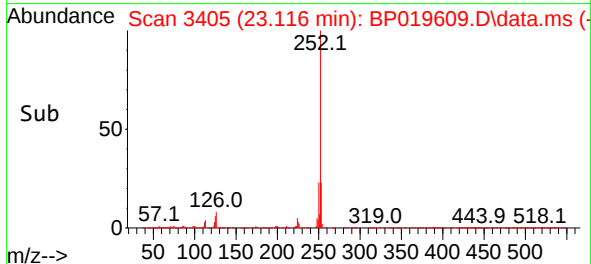
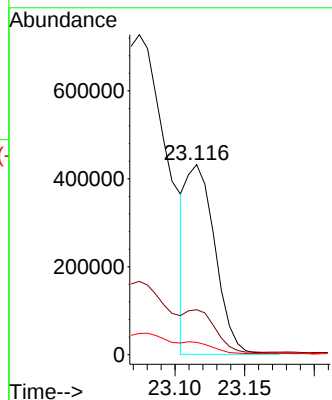
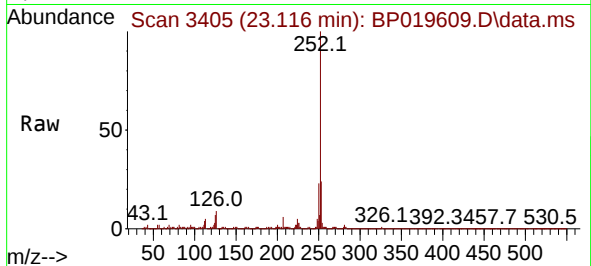
#89
Benzo(k)fluoranthene
Concen: 17.271 ng m
RT: 23.116 min Scan# 3405
Delta R.T. -0.011 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

Instrument :
BNA_P
ClientSampleId :
EB-2-0-2D

Tgt Ion:252 Resp: 62223
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 6.5 5.0 7.6

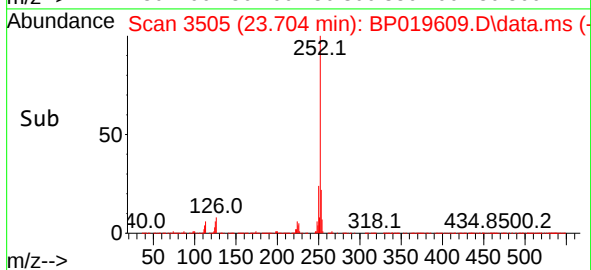
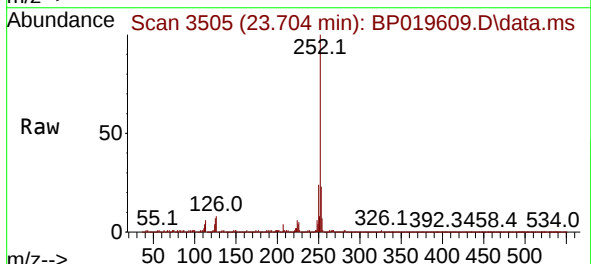
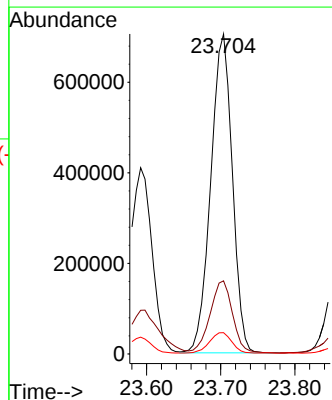
Manual Integrations
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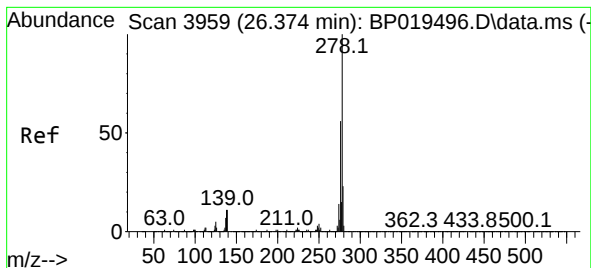
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#90
Benzo(a)pyrene
Concen: 42.403 ng
RT: 23.704 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BP019609.D
Acq: 08 Feb 2024 14:39

Tgt Ion:252 Resp: 1422977
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 6.7 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 6.977 ng

RT: 26.345 min Scan# 3954

Delta R.T. -0.029 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Instrument :

BNA_P

ClientSampleId :

EB-2-0-2D

Tgt Ion:278 Resp: 262849

Ion Ratio Lower Upper

278 100

139 12.1 8.6 12.8

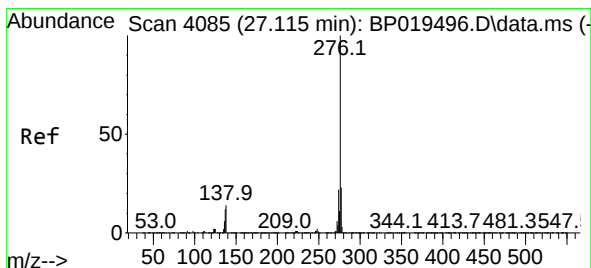
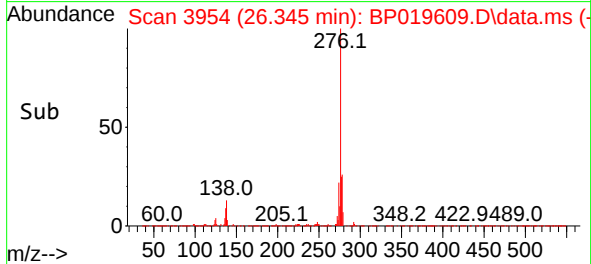
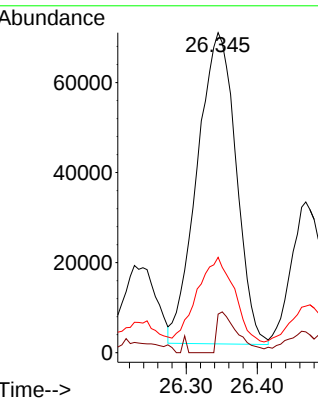
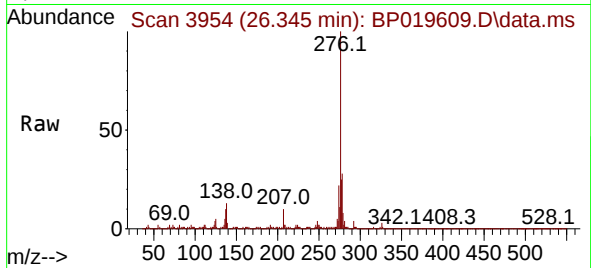
279 29.8 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024

Supervised By :mohammad ahmed 02/09/2024



#92

Benzo(g,h,i)perylene

Concen: 25.166 ng

RT: 27.109 min Scan# 4084

Delta R.T. -0.006 min

Lab File: BP019609.D

Acq: 08 Feb 2024 14:39

Tgt Ion:276 Resp: 961882

Ion Ratio Lower Upper

276 100

277 24.5 18.6 28.0

138 13.6 10.9 16.3

