

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
 Data File : BP019918.D
 Acq On : 28 Feb 2024 16:03
 Operator : MA/JU
 Sample : P1602-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024
 Supervised By :mohammad ahmed 03/01/2024

Quant Time: Feb 28 16:38:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 02:05:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	100587	20.000	ng	-0.01
21) Naphthalene-d8	10.693	136	387414	20.000	ng	-0.01
39) Acenaphthene-d10	14.534	164	268010	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	575791	20.000	ng	0.00
76) Chrysene-d12	21.404	240	488829	20.000	ng	0.00
86) Perylene-d12	23.827	264	523564	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	465733	75.998	ng	0.00
7) Phenol-d6	7.063	99	633217	69.401	ng	-0.01
23) Nitrobenzene-d5	9.063	82	429596	44.767	ng	-0.01
42) 2,4,6-Tribromophenol	16.033	330	362450	78.872	ng	-0.01
45) 2-Fluorobiphenyl	13.157	172	939753	47.375	ng	-0.01
79) Terphenyl-d14	19.874	244	1539587	49.641	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.257	152	261261	10.827	ng	99
58) Fluorene	15.592	166	55920	2.788	ng	# 92
71) Phenanthrene	17.339	178	781696	25.434	ng	99
72) Anthracene	17.433	178	149500	4.765	ng	98
75) Fluoranthene	19.316	202	990646	24.837	ng	98
78) Pyrene	19.669	202	1221112	36.358	ng	100
81) Benzo(a)anthracene	21.386	228	535270m	15.426	ng	
83) Chrysene	21.439	228	586884	18.050	ng	97
87) Indeno(1,2,3-cd)pyrene	26.362	276	260175	7.059	ng	97
88) Benzo(b)fluoranthene	23.092	252	504749	15.725	ng	97
89) Benzo(k)fluoranthene	23.133	252	180790m	5.743	ng	
90) Benzo(a)pyrene	23.721	252	395565	12.895	ng	99
91) Dibenzo(a,h)anthracene	26.374	278	75502	2.437	ng	# 83
92) Benzo(g,h,i)perylene	27.145	276	268812	8.987	ng	99

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

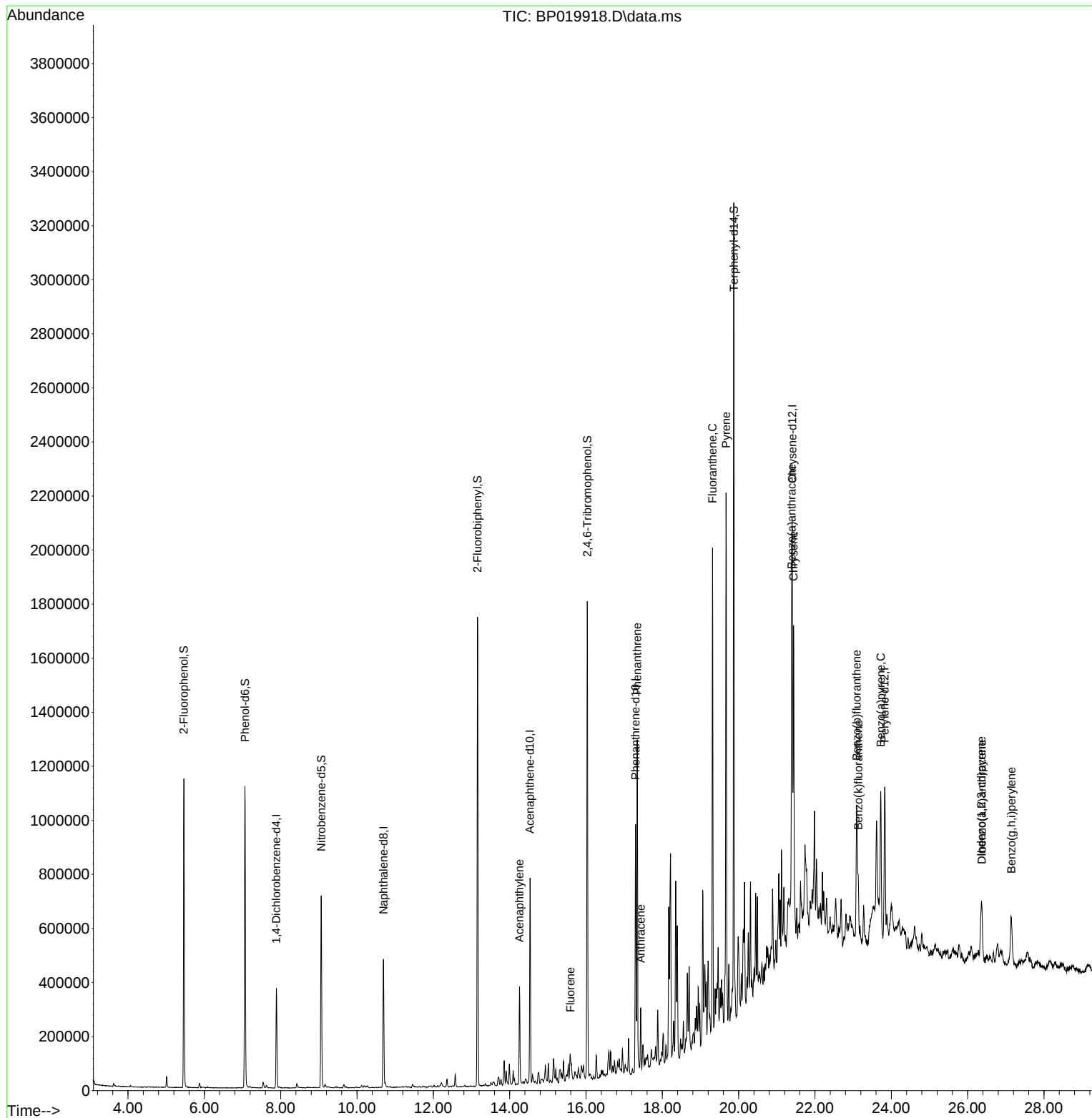
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
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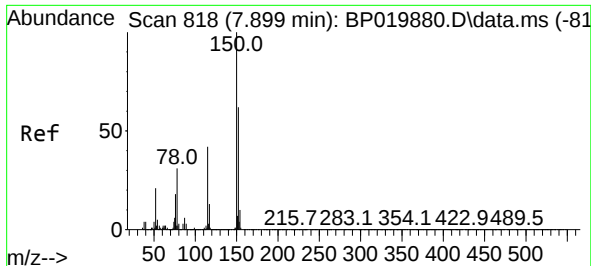
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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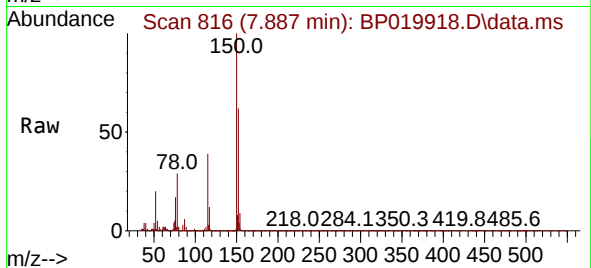
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.887 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

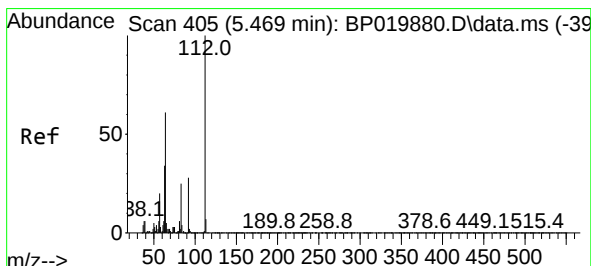
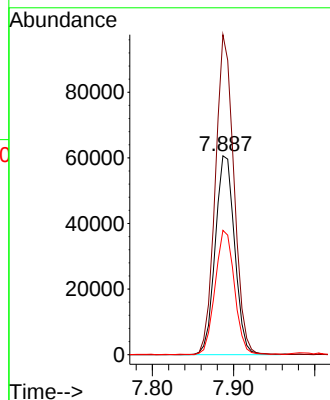
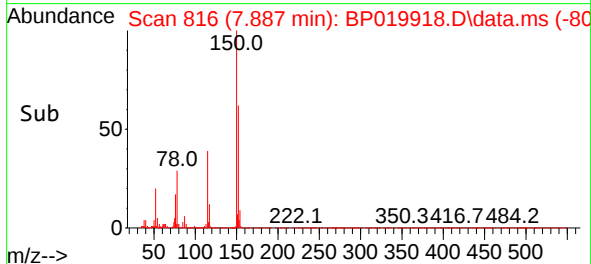
Instrument :
BNA_P
ClientSampleId :
WC-3



Tgt Ion:152 Resp: 10058
Ion Ratio Lower Upper
152 100
150 160.8 128.6 192.8
115 62.5 53.4 80.2

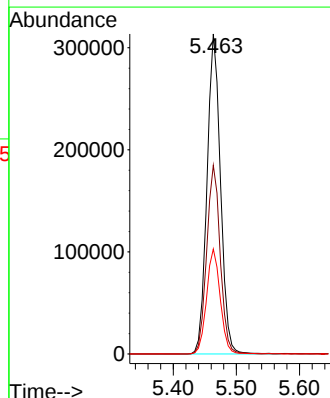
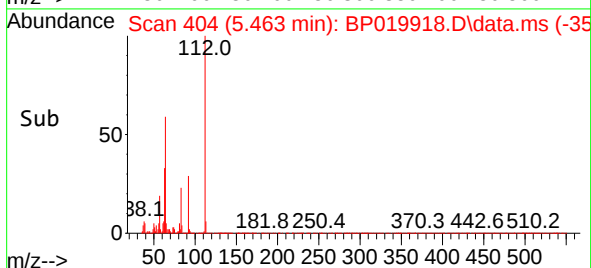
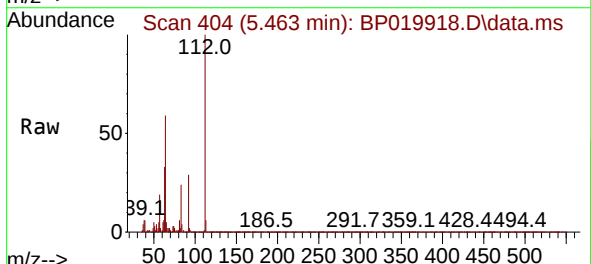
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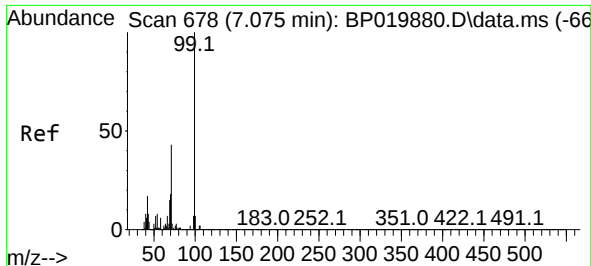
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#5
2-Fluorophenol
Concen: 75.998 ng
RT: 5.463 min Scan# 404
Delta R.T. -0.006 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

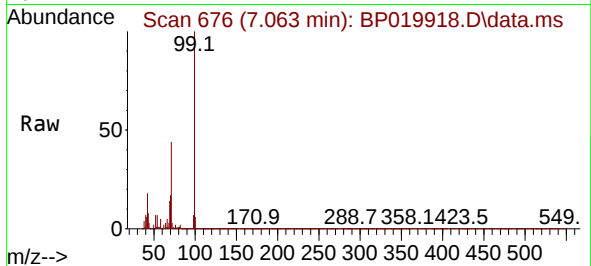
Tgt Ion:112 Resp: 465733
Ion Ratio Lower Upper
112 100
64 58.9 49.0 73.6
63 32.8 27.6 41.4





#7
Phenol-d6
Concen: 69.401 ng
RT: 7.063 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

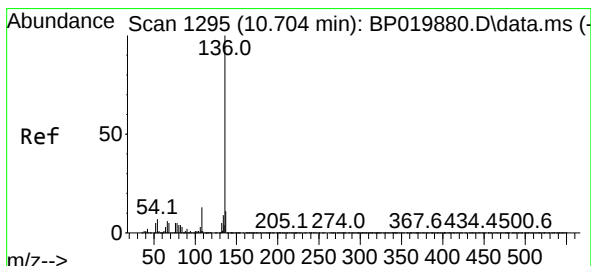
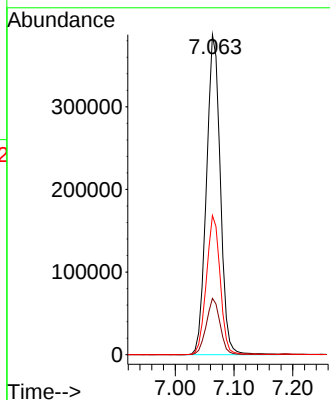
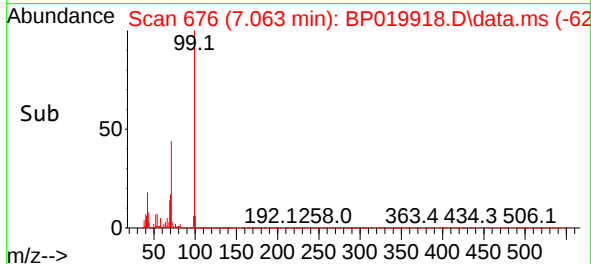
Instrument :
BNA_P
ClientSampleId :
WC-3



Tgt Ion: 99 Resp: 63321
Ion Ratio Lower Upper
99 100
42 17.6 13.8 20.8
71 43.5 34.5 51.7

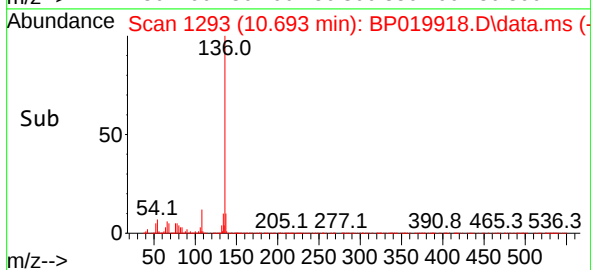
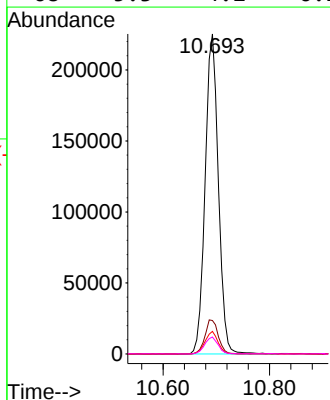
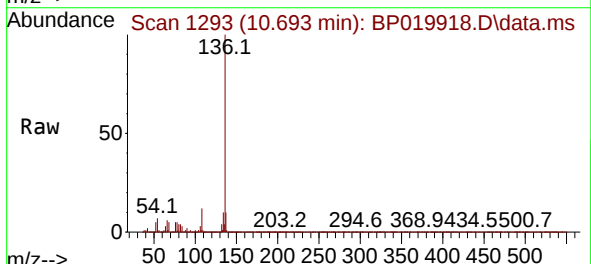
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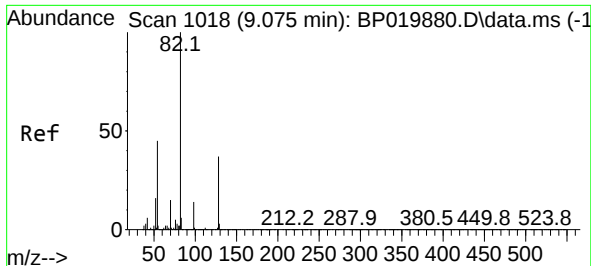
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

Tgt Ion:136 Resp: 387414
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 7.1 6.0 9.0
68 5.3 4.2 6.2





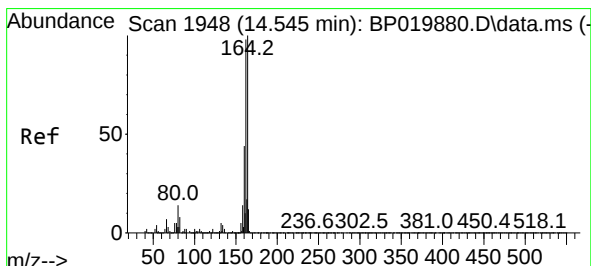
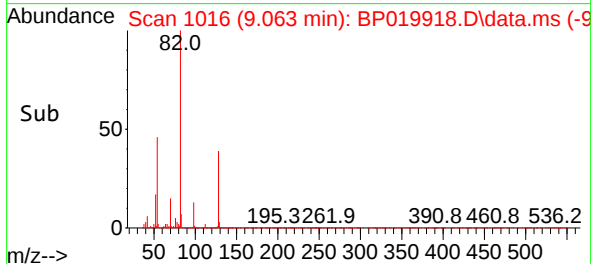
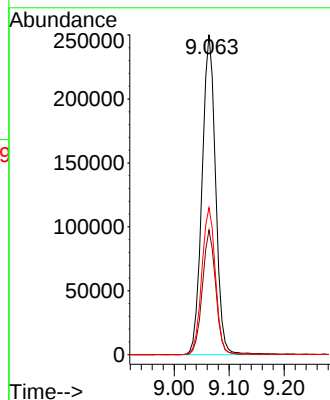
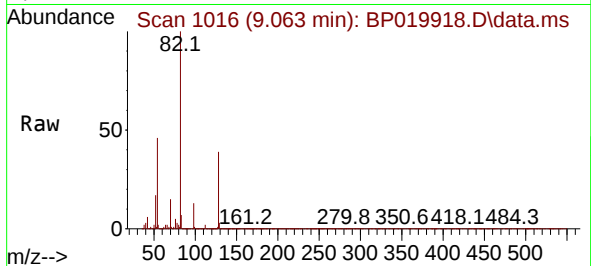
#23
Nitrobenzene-d5
Concen: 44.767 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

Instrument :
BNA_P
ClientSampleId :
WC-3

Tgt Ion: 82 Resp: 429590
Ion Ratio Lower Upper
82 100
128 39.0 29.6 44.4
54 45.9 36.3 54.5

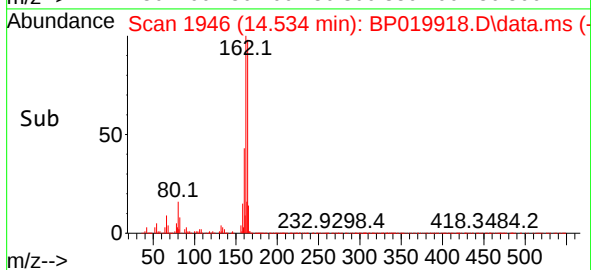
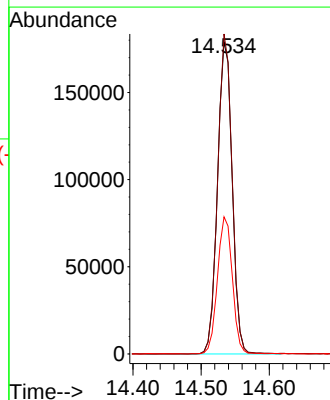
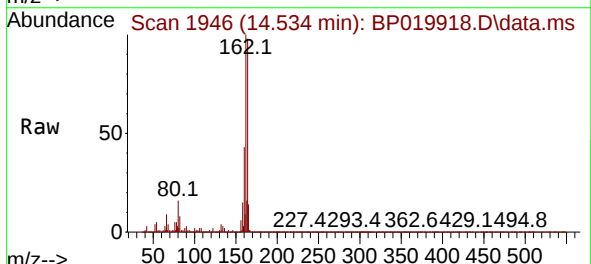
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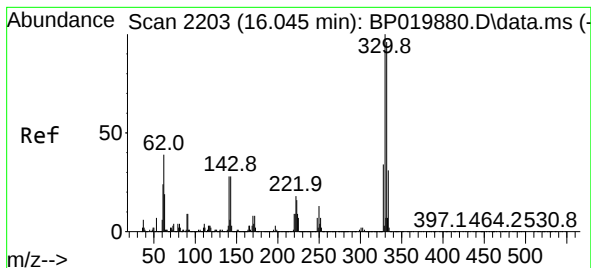
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

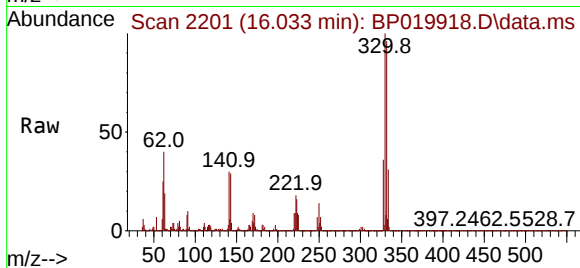
Tgt Ion:164 Resp: 268010
Ion Ratio Lower Upper
164 100
162 102.5 78.1 117.1
160 43.9 35.3 52.9





#42
2,4,6-Tribromophenol
Concen: 78.872 ng
RT: 16.033 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

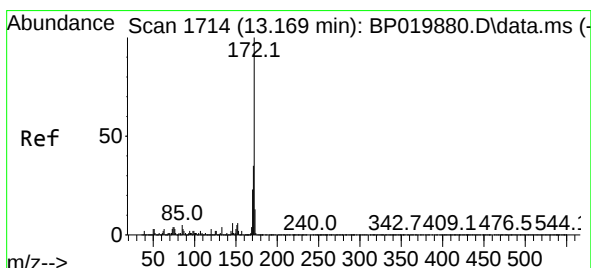
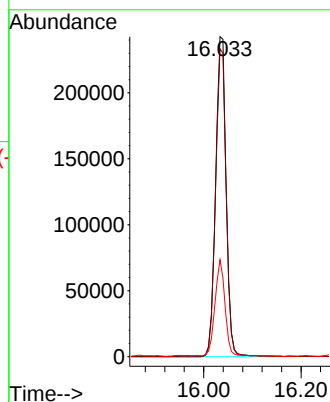
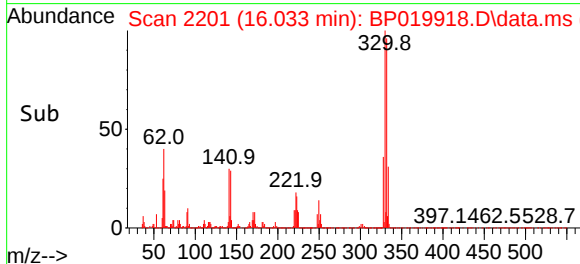
Instrument :
BNA_P
ClientSampleId :
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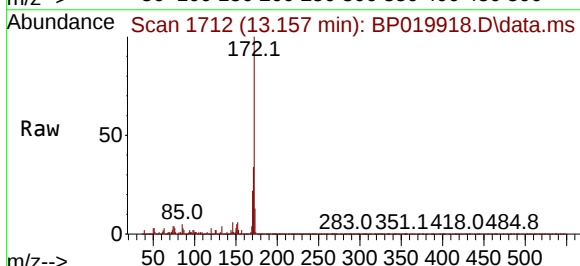
Tgt Ion:330 Resp: 362450
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.2
141 28.6 24.6 37.0

Manual Integrations
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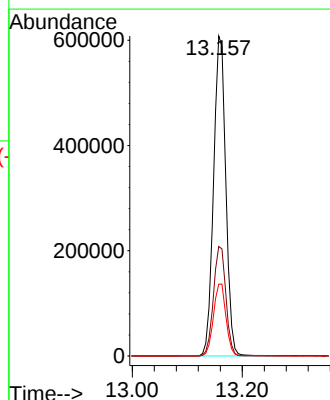
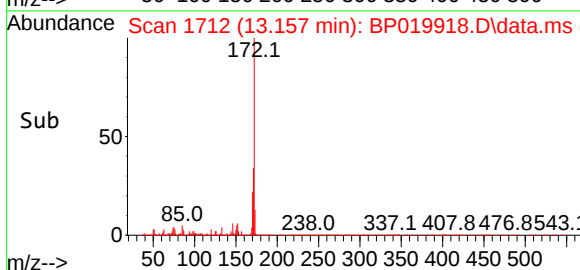
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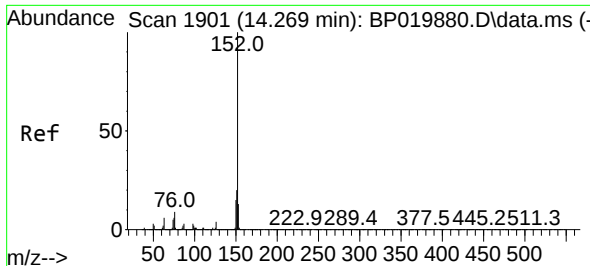


#45
2-Fluorobiphenyl
Concen: 47.375 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03



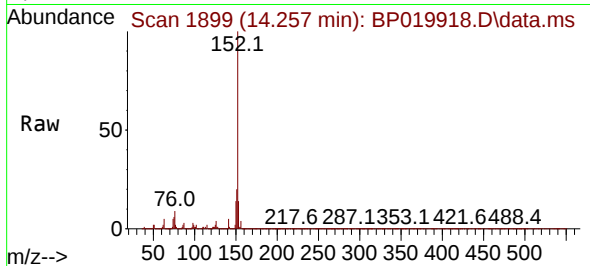
Tgt Ion:172 Resp: 939753
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 22.5 18.4 27.6





#49
Acenaphthylene
Concen: 10.827 ng
RT: 14.257 min Scan# 1899
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

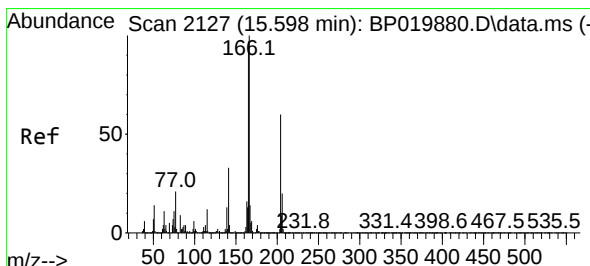
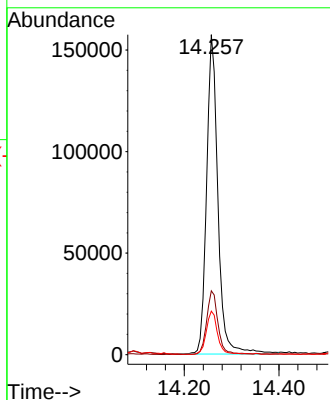
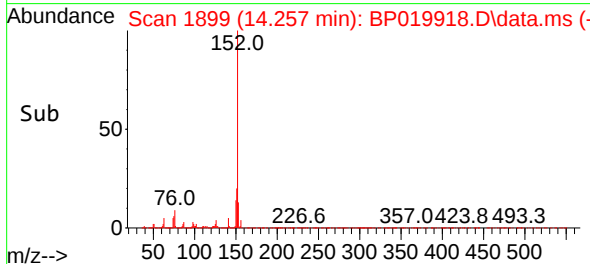
Instrument :
BNA_P
ClientSampleId :
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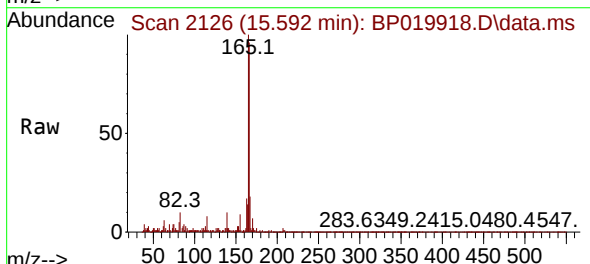
Tgt Ion:152 Resp: 26126
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.6 10.4 15.6

Manual Integrations
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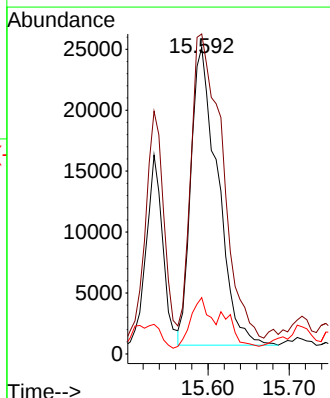
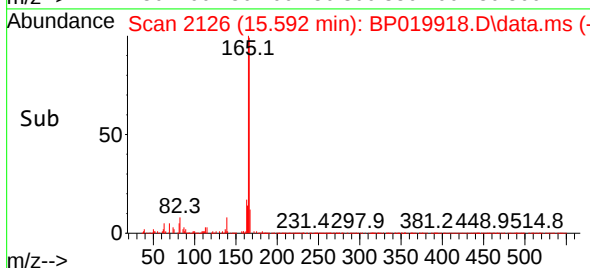
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024

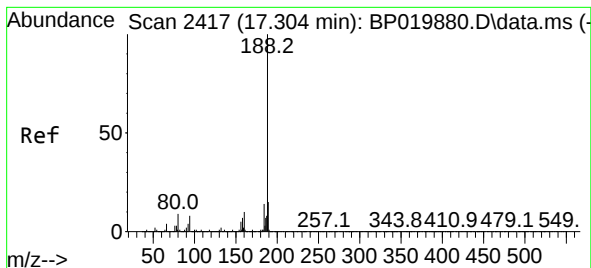


#58
Fluorene
Concen: 2.788 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03



Tgt Ion:166 Resp: 55920
Ion Ratio Lower Upper
166 100
165 104.4 77.8 116.6
167 18.4 10.8 16.2#





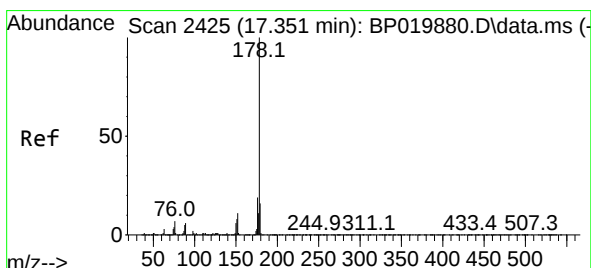
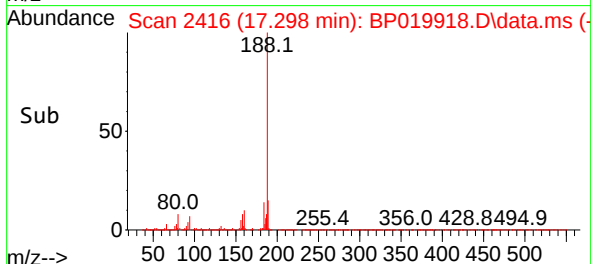
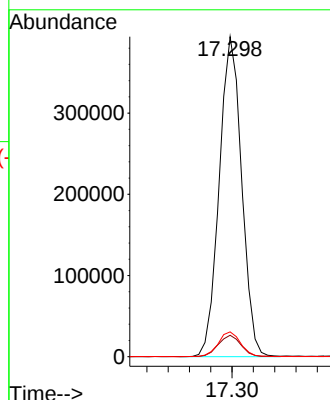
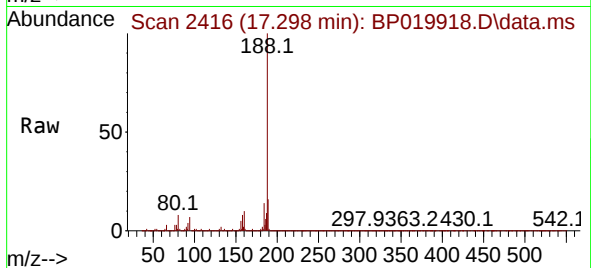
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

Instrument :
BNA_P
ClientSampleId :
WC-3

Tgt Ion:188 Resp: 57579
Ion Ratio Lower Upper
188 100
94 6.7 6.2 9.4
80 7.8 7.0 10.4

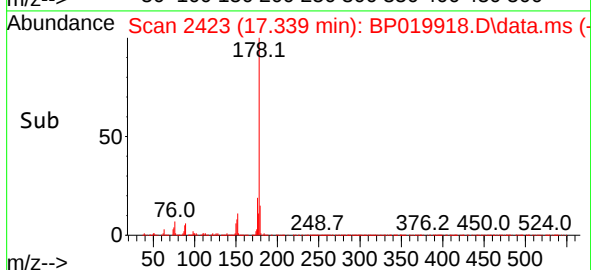
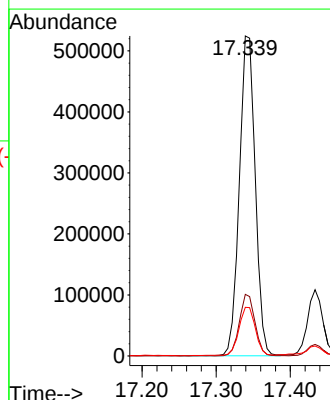
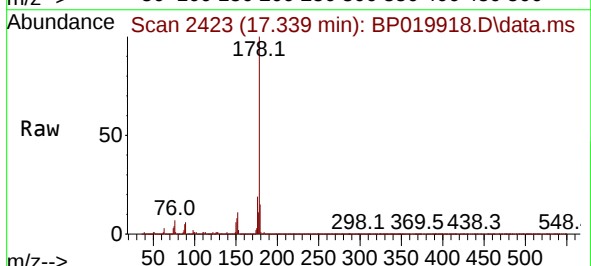
Manual Integrations
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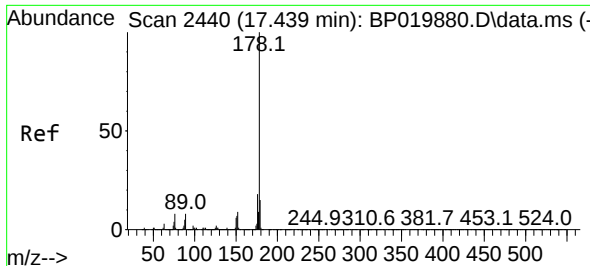
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#71
Phenanthrene
Concen: 25.434 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

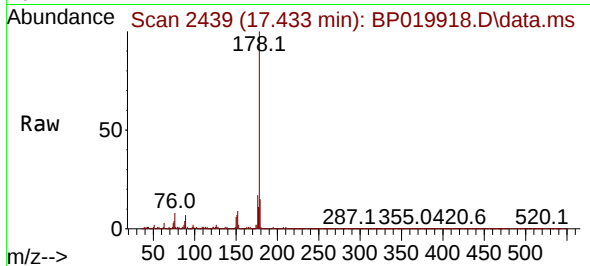
Tgt Ion:178 Resp: 781696
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.2 12.5 18.7





#72
 Anthracene
 Concen: 4.765 ng
 RT: 17.433 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BP019918.D
 Acq: 28 Feb 2024 16:03

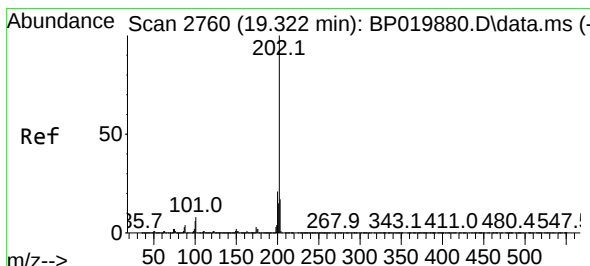
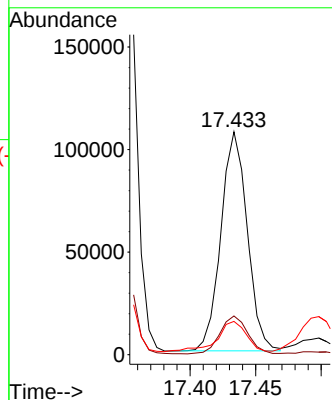
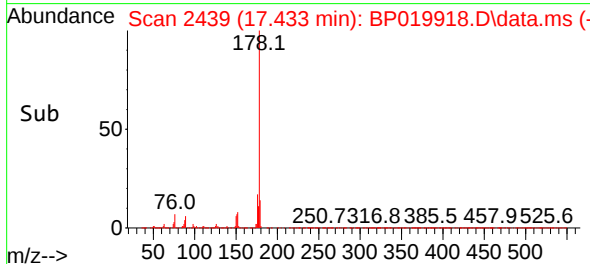
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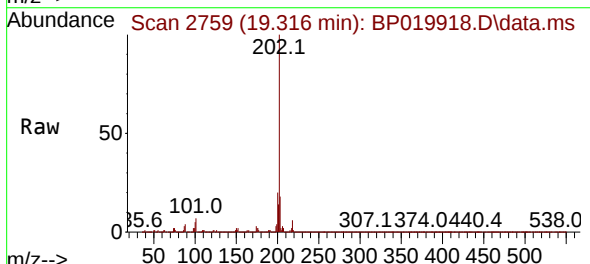
Tgt Ion:178 Resp: 149500
 Ion Ratio Lower Upper
 178 100
 176 17.4 14.7 22.1
 179 14.9 12.2 18.4

Manual Integrations
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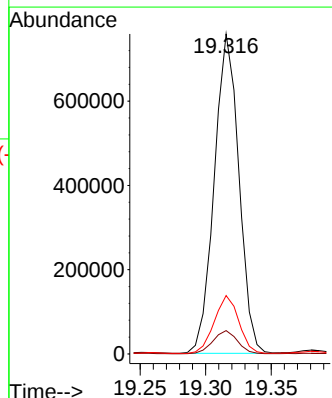
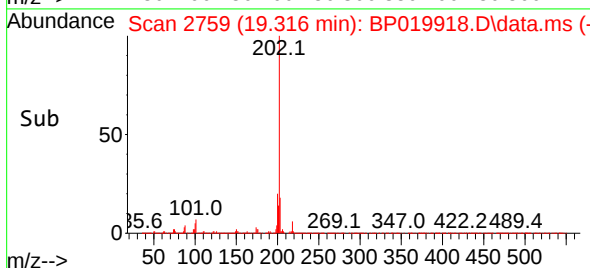
Reviewed By :Jagrut Upadhyay 02/29/2024
 Supervised By :mohammad ahmed 03/01/2024

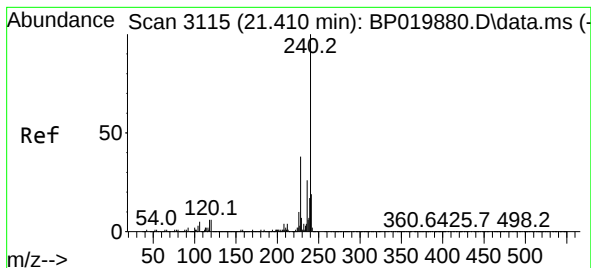


#75
 Fluoranthene
 Concen: 24.837 ng
 RT: 19.316 min Scan# 2759
 Delta R.T. -0.006 min
 Lab File: BP019918.D
 Acq: 28 Feb 2024 16:03



Tgt Ion:202 Resp: 990646
 Ion Ratio Lower Upper
 202 100
 101 7.3 0.0 27.7
 203 18.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.404 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

Instrument :

BNA_P

ClientSampleId :

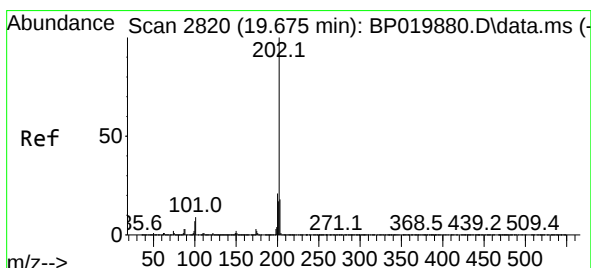
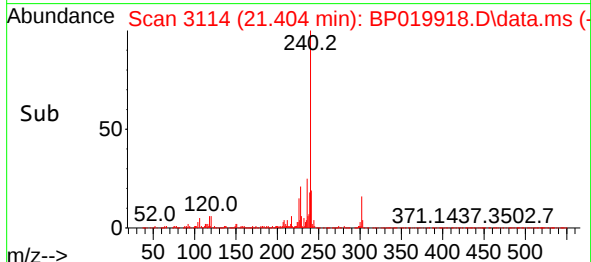
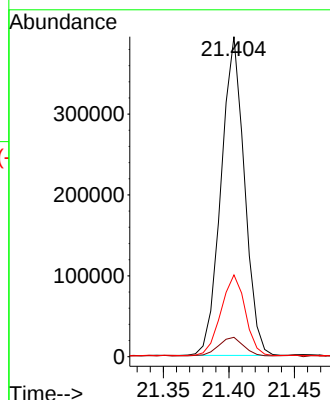
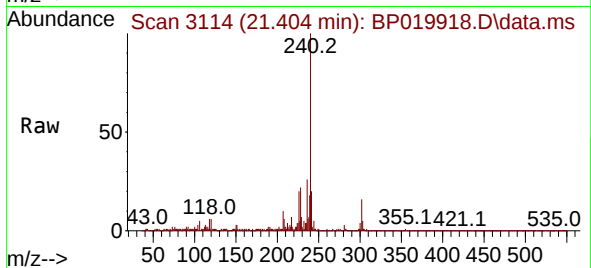
WC-3

Tgt Ion:240 Resp: 488829
 Ion Ratio Lower Upper
 240 100
 120 6.1 5.1 7.7
 236 25.5 20.5 30.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/29/2024
 Supervised By :mohammad ahmed 03/01/2024



#78

Pyrene

Concen: 36.358 ng

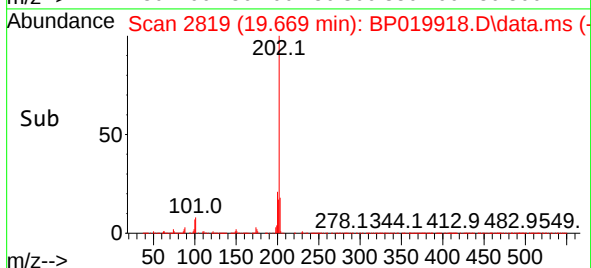
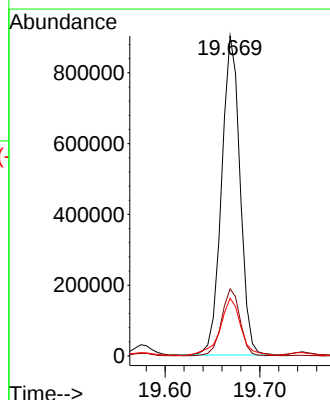
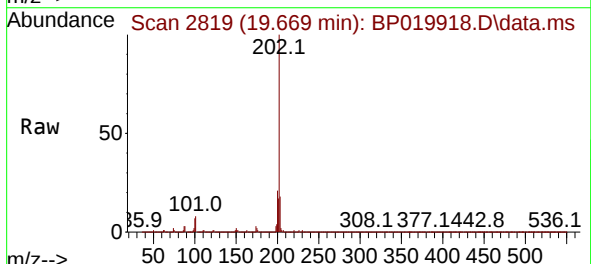
RT: 19.669 min Scan# 2819

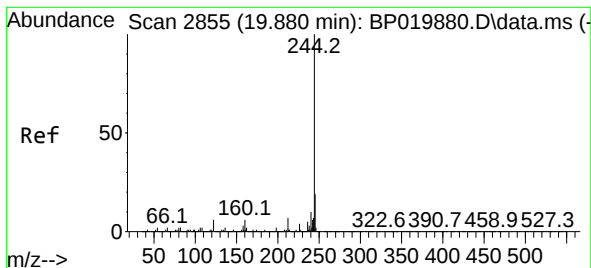
Delta R.T. -0.006 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

Tgt Ion:202 Resp: 1221112
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.7 25.1
 203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 49.641 ng

RT: 19.874 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

Instrument :

BNA_P

ClientSampleId :

WC-3

Tgt Ion:244 Resp: 153958

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

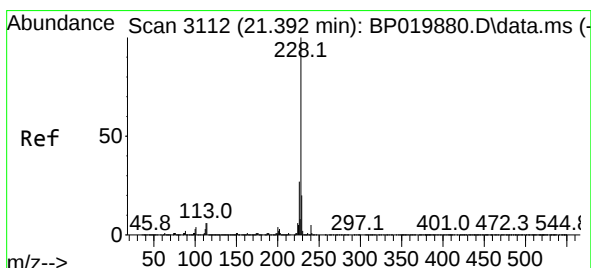
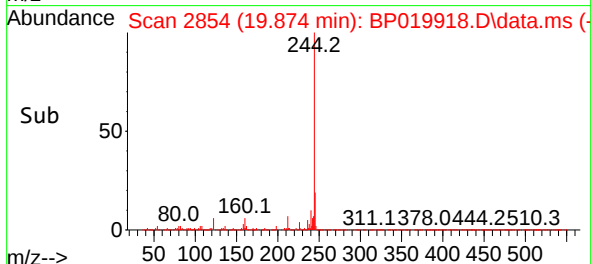
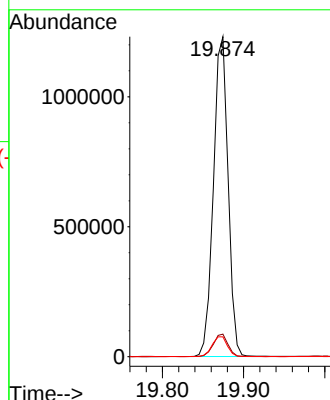
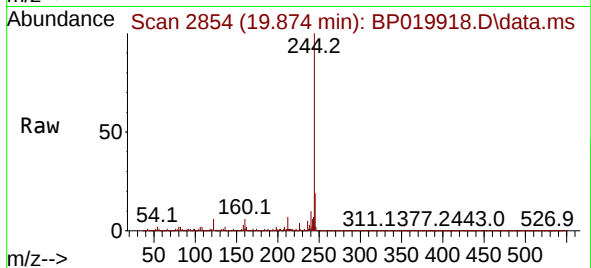
122 6.2 5.0 7.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024

Supervised By :mohammad ahmed 03/01/2024



#81

Benzo(a)anthracene

Concen: 15.426 ng m

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

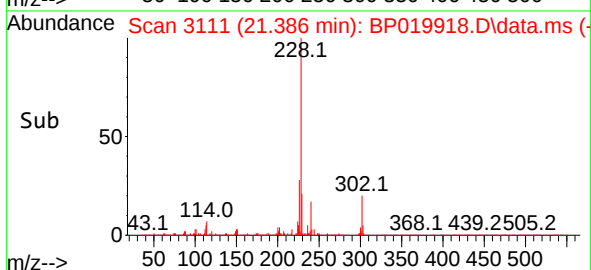
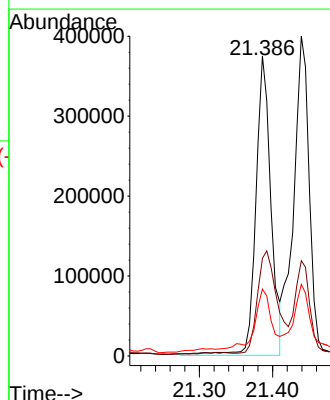
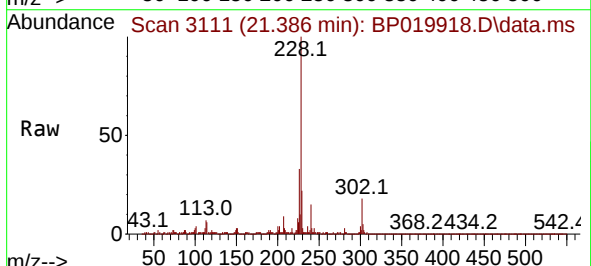
Tgt Ion:228 Resp: 535270

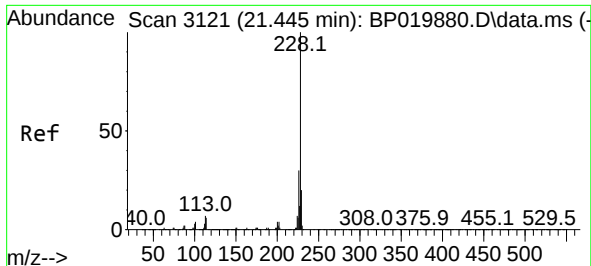
Ion Ratio Lower Upper

228 100

226 32.6 21.5 32.3#

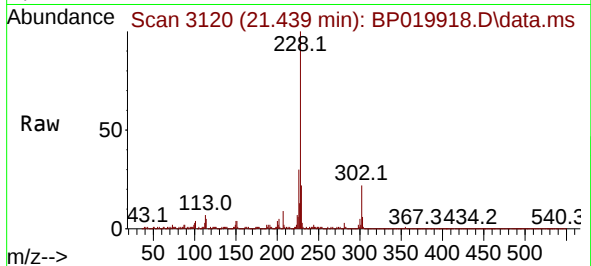
229 22.3 15.6 23.4





#83
Chrysene
Concen: 18.050 ng
RT: 21.439 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

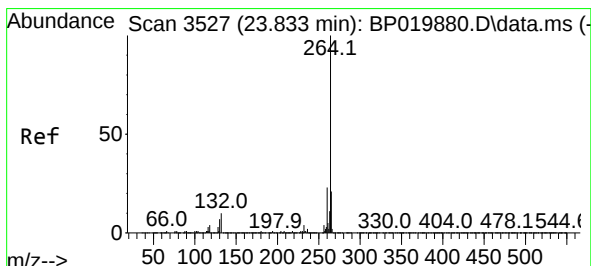
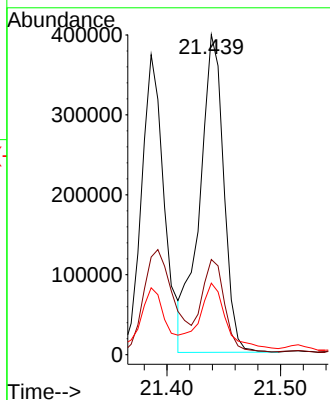
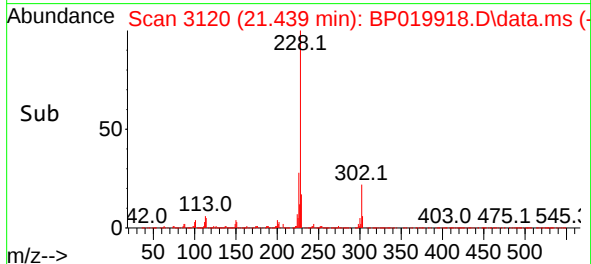
Instrument :
BNA_P
ClientSampleId :
WC-3



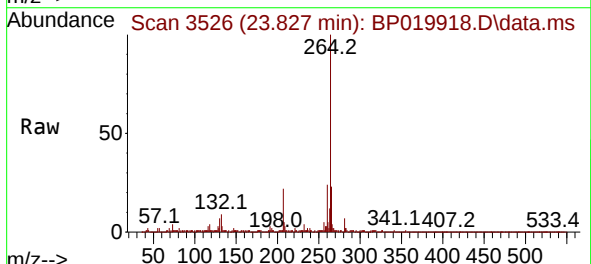
Tgt Ion:228 Resp: 586884
Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 22.3 15.7 23.5

Manual Integrations
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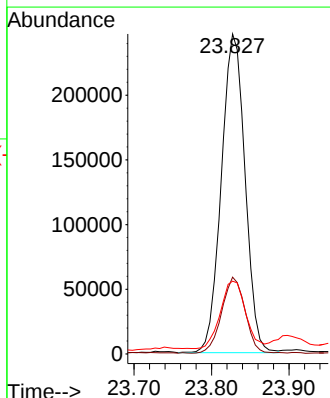
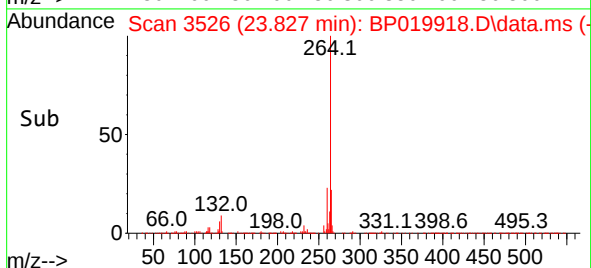
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024

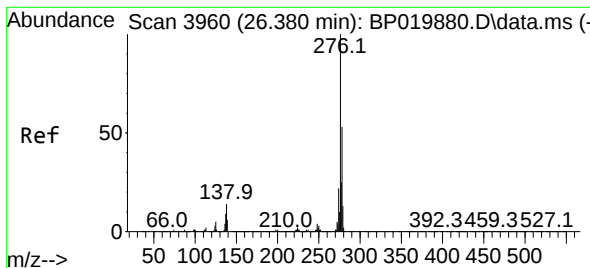


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.827 min Scan# 3526
Delta R.T. -0.006 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03



Tgt Ion:264 Resp: 523564
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 22.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.059 ng

RT: 26.362 min Scan# 3957

Delta R.T. -0.018 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

Instrument :

BNA_P

ClientSampleId :

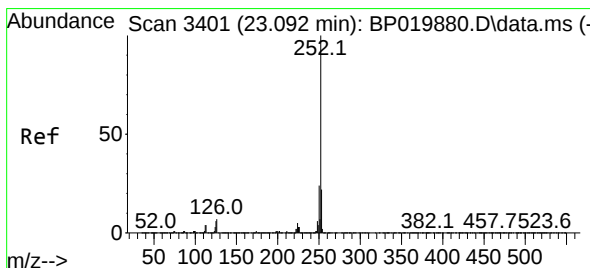
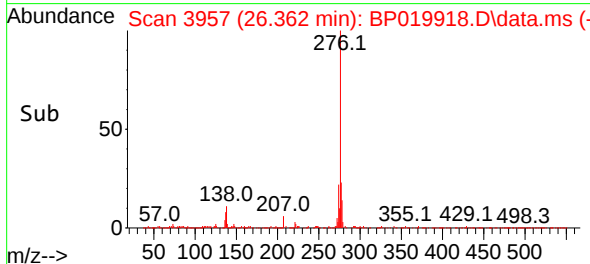
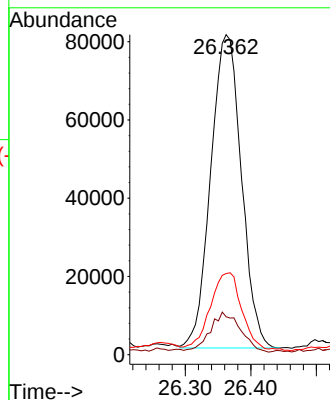
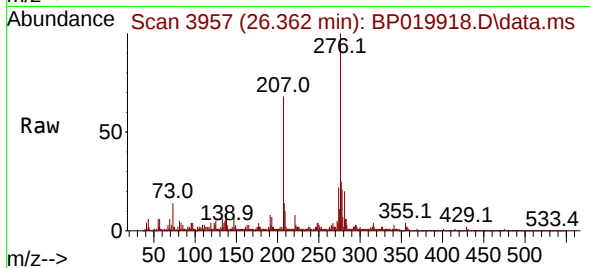
WC-3

Tgt Ion:	276	Resp:	26017
Ion Ratio	Lower	Upper	
276	100		
138	12.6	11.7	17.5
277	24.6	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#88

Benzo(b)fluoranthene

Concen: 15.725 ng

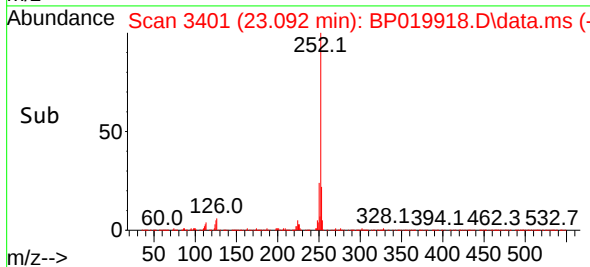
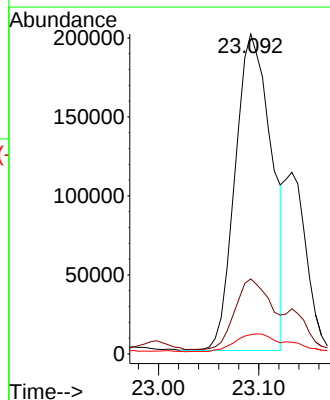
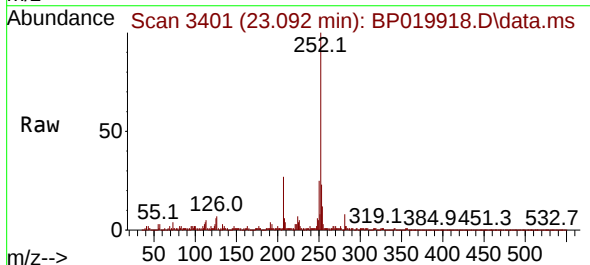
RT: 23.092 min Scan# 3401

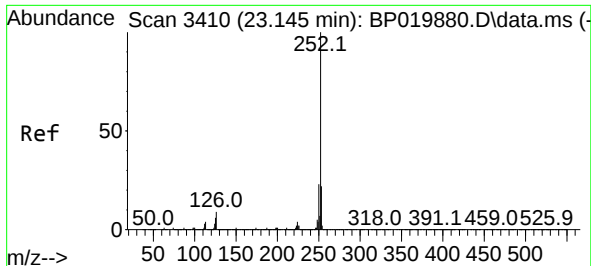
Delta R.T. -0.000 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

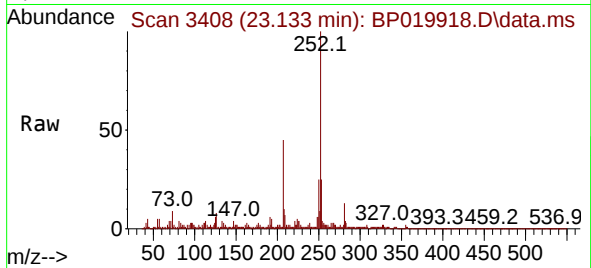
Tgt Ion:	252	Resp:	504749
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.6	26.4
125	6.0	4.6	7.0





#89
Benzo(k)fluoranthene
Concen: 5.743 ng m
RT: 23.133 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

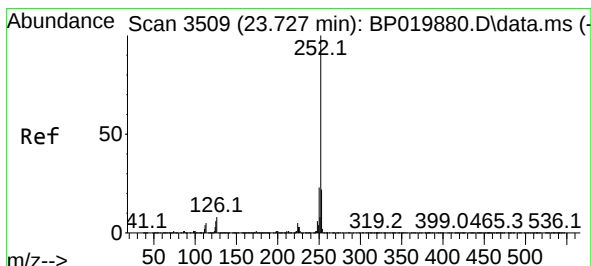
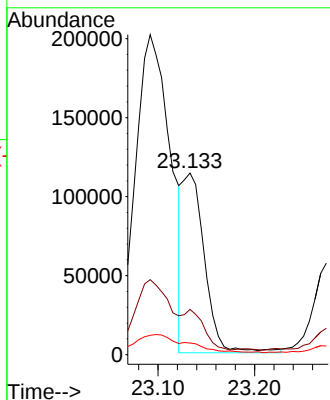
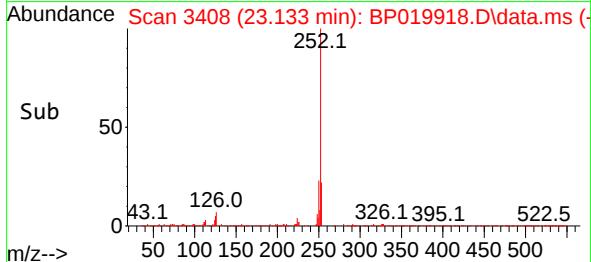
Instrument :
BNA_P
ClientSampleId :
WC-3



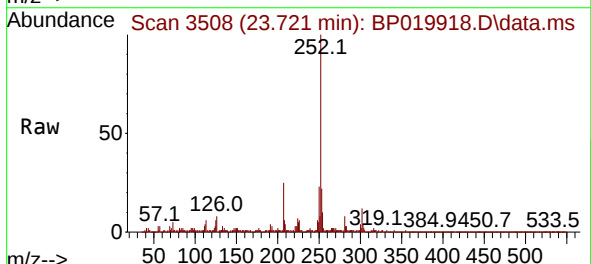
Tgt Ion:252 Resp: 180790
Ion Ratio Lower Upper
252 100
253 24.9 17.3 25.9
125 6.4 4.6 6.8

Manual Integrations
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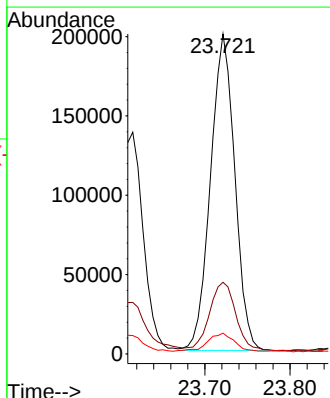
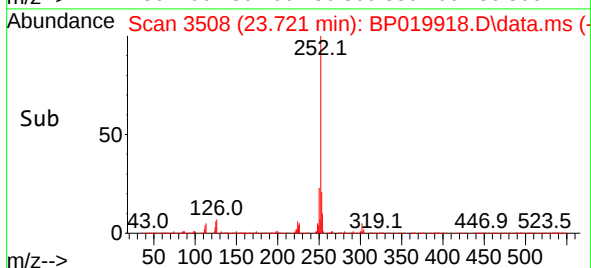
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024

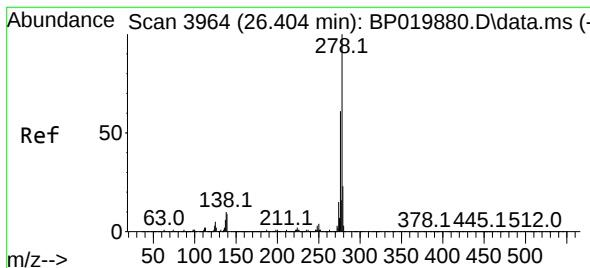


#90
Benzo(a)pyrene
Concen: 12.895 ng
RT: 23.721 min Scan# 3508
Delta R.T. -0.006 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03



Tgt Ion:252 Resp: 395565
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 6.5 5.2 7.8





#91

Dibenzo(a,h)anthracene

Concen: 2.437 ng

RT: 26.374 min Scan# 3959

Delta R.T. -0.030 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

Instrument :

BNA_P

ClientSampleId :

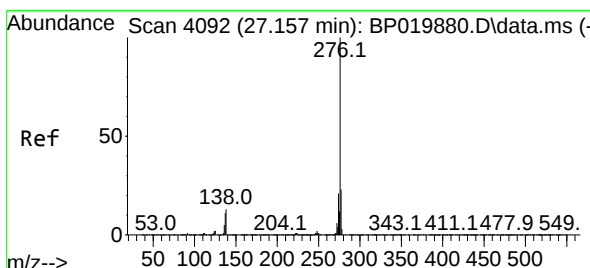
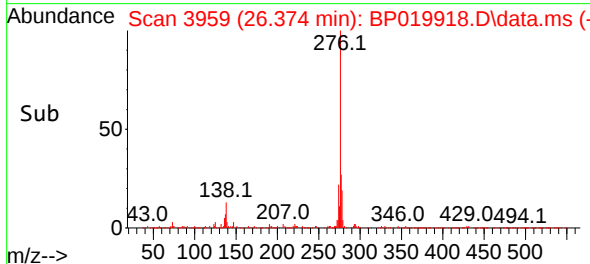
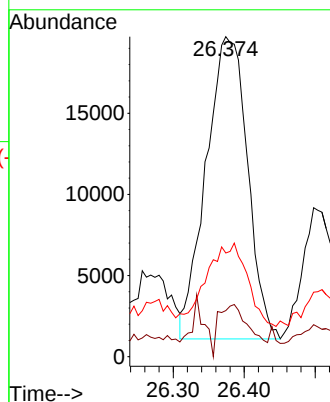
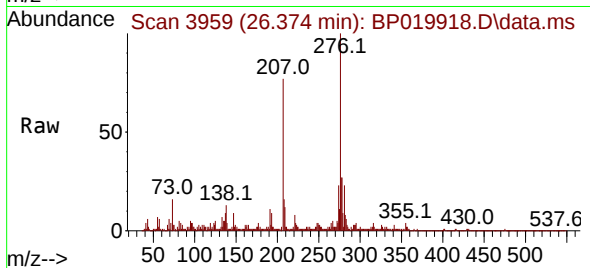
WC-3

Tgt Ion:	278	Resp:	7550
Ion Ratio	Lower	Upper	
278	100		
139	14.4	7.4	11.0
279	32.4	18.7	28.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#92

Benzo(g,h,i)perylene

Concen: 8.987 ng

RT: 27.145 min Scan# 4090

Delta R.T. -0.012 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

Tgt Ion:	276	Resp:	268812
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.5	27.7
138	12.8	10.2	15.2

