

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
 Data File : BP019934.D
 Acq On : 29 Feb 2024 13:27
 Operator : MA/JU
 Sample : P1602-01DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-1DL

Manual Integrations
 APPROVED

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

Quant Time: Feb 29 13:56:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 29 12:18:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	77811	20.000	ng	-0.02
21) Naphthalene-d8	10.699	136	291086	20.000	ng	-0.02
39) Acenaphthene-d10	14.545	164	201621	20.000	ng	-0.01
64) Phenanthrene-d10	17.310	188	446100	20.000	ng	-0.01
76) Chrysene-d12	21.410	240	452481	20.000	ng	-0.02
86) Perylene-d12	23.845	264	560625	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	67570	14.253	ng	-0.01
7) Phenol-d6	7.075	99	88611	12.555	ng	-0.01
23) Nitrobenzene-d5	9.069	82	62565	8.677	ng	-0.02
42) 2,4,6-Tribromophenol	16.045	330	50656	14.653	ng	-0.02
45) 2-Fluorobiphenyl	13.163	172	138976	9.313	ng	-0.02
79) Terphenyl-d14	19.875	244	240870	8.390	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.752	128	37807	2.426	ng	97
52) Acenaphthene	14.604	154	30699	2.816	ng	96
55) Dibenzofuran	14.945	168	38070	2.046	ng	96
58) Fluorene	15.598	166	54182	3.591	ng	# 96
71) Phenanthrene	17.351	178	563300	23.657	ng	99
72) Anthracene	17.445	178	151086	6.216	ng	98
73) Carbazole	17.722	167	46538	2.162	ng	99
75) Fluoranthene	19.322	202	713843	23.100	ng	100
78) Pyrene	19.675	202	551415	17.737	ng	100
81) Benzo(a)anthracene	21.398	228	319539	9.949	ng	99
83) Chrysene	21.451	228	252699	8.396	ng	98
87) Indeno(1,2,3-cd)pyrene	26.386	276	154503	3.915	ng	97
88) Benzo(b)fluoranthene	23.104	252	340261	9.900	ng	# 99
89) Benzo(k)fluoranthene	23.145	252	125422m	3.721	ng	
90) Benzo(a)pyrene	23.733	252	248665	7.570	ng	97
92) Benzo(g,h,i)perylene	27.174	276	134128	4.188	ng	94

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

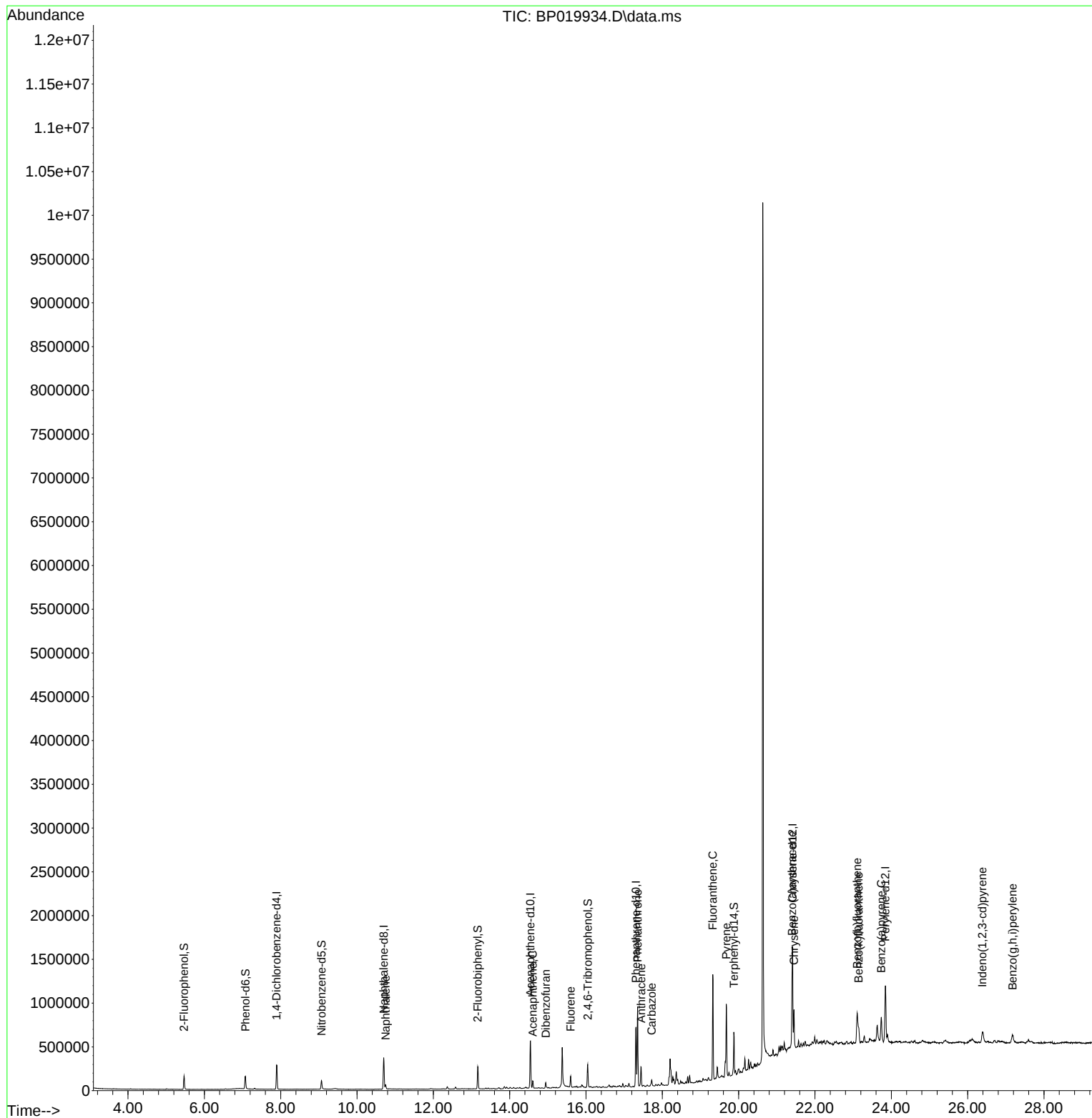
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
Data File : BP019934.D
Acq On : 29 Feb 2024 13:27
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Sample : P1602-01DL 5X
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ALS Vial : 6 Sample Multiplier: 1

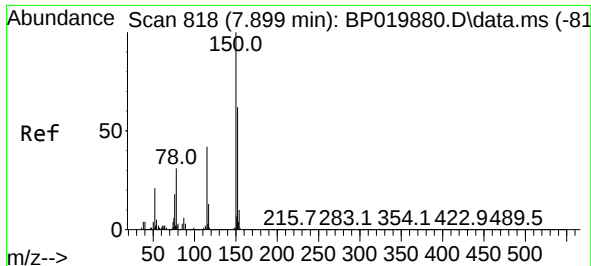
Instrument :
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ClientSampleId :
WC-1DL

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Supervised By :mohammad ahmed 03/02/2024

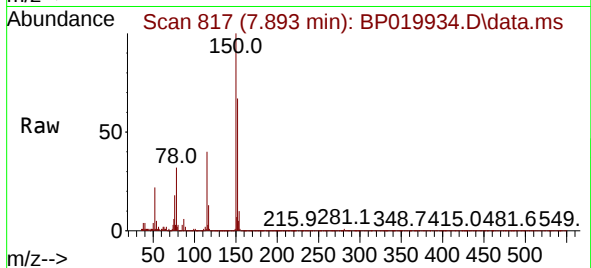
Quant Time: Feb 29 13:56:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 29 12:18:35 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 818
Delta R.T. -0.017 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

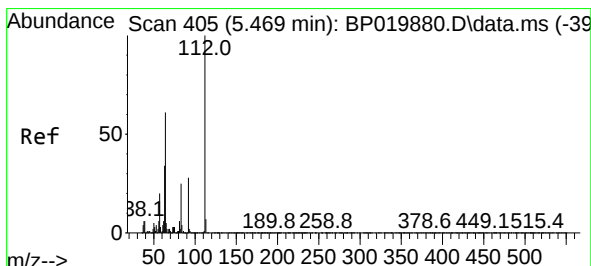
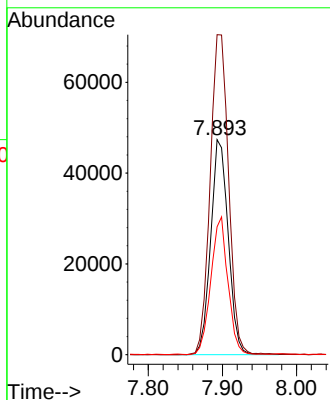
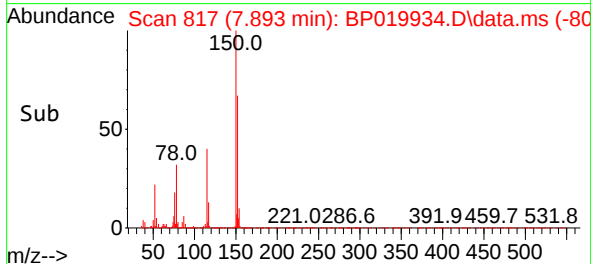
Instrument :
BNA_P
ClientSampleId :
WC-1DL



Tgt Ion:152 Resp: 7781
Ion Ratio Lower Upper
152 100
150 148.8 128.6 192.8
115 59.5 53.4 80.2

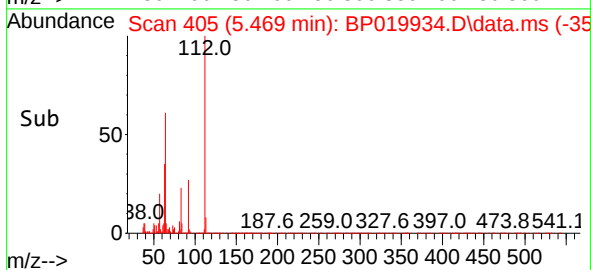
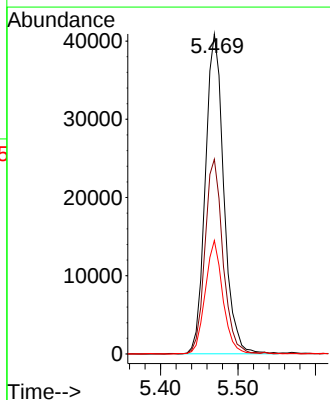
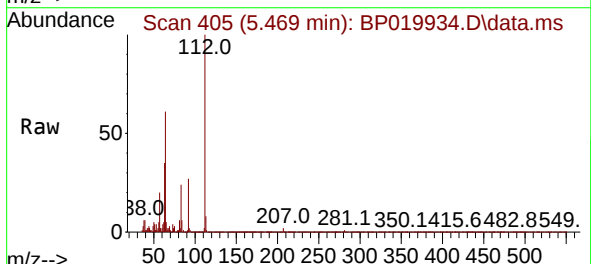
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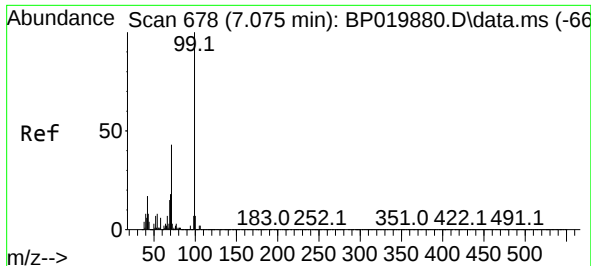
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#5
2-Fluorophenol
Concen: 14.253 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.012 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

Tgt Ion:112 Resp: 67570
Ion Ratio Lower Upper
112 100
64 60.9 49.0 73.6
63 35.5 27.6 41.4





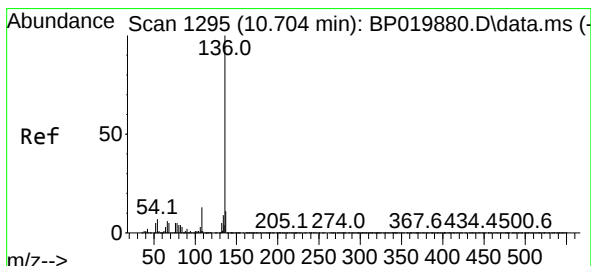
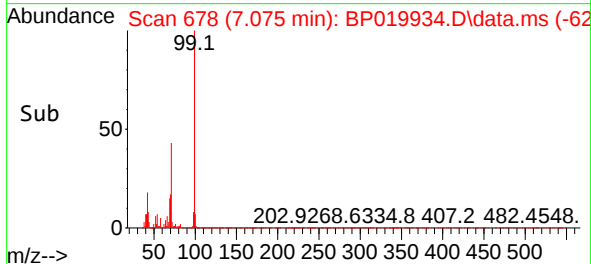
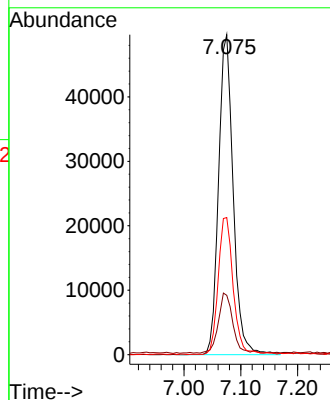
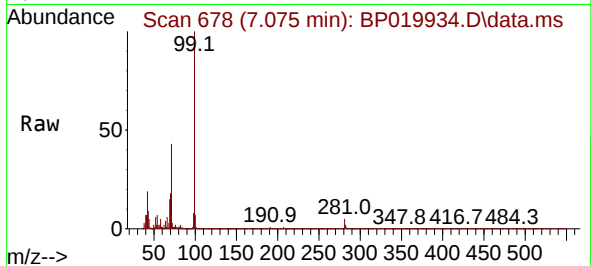
#7
Phenol-d6
Concen: 12.555 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

Instrument :
BNA_P
ClientSampleId :
WC-1DL

Tgt Ion: 99	Resp: 8861
Ion Ratio	Lower Upper
99 100	
42 18.5	13.8 20.8
71 42.9	34.5 51.7

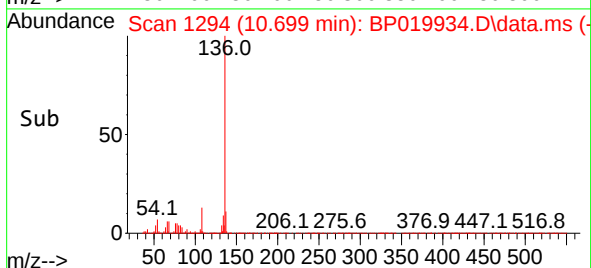
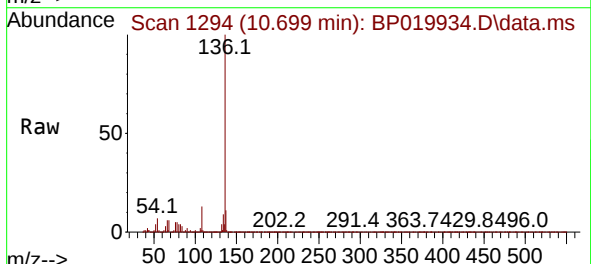
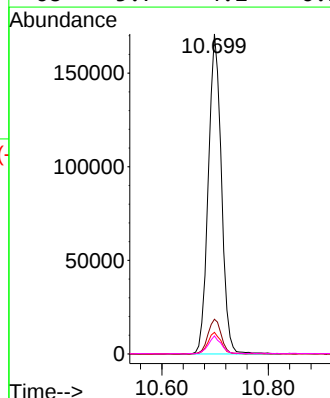
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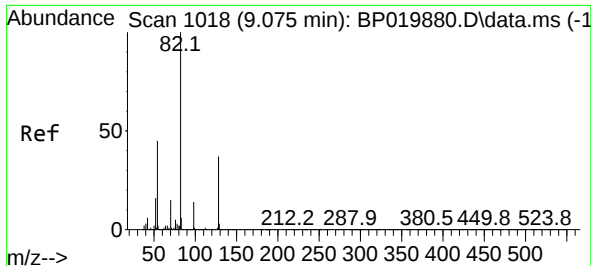
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.699 min Scan# 1294
Delta R.T. -0.018 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

Tgt	Ion:136	Resp:	291086
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.8	6.0	9.0
68	5.7	4.2	6.2





#23
Nitrobenzene-d5
Concen: 8.677 ng
RT: 9.069 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

Instrument :

BNA_P

ClientSampleId :

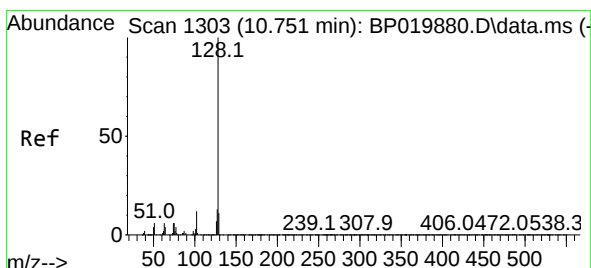
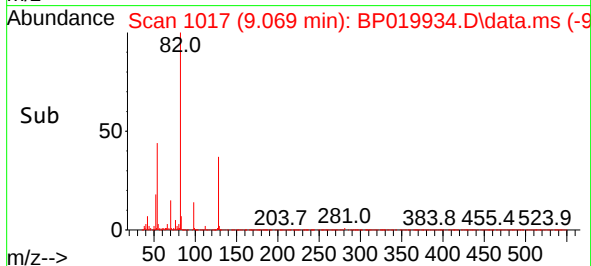
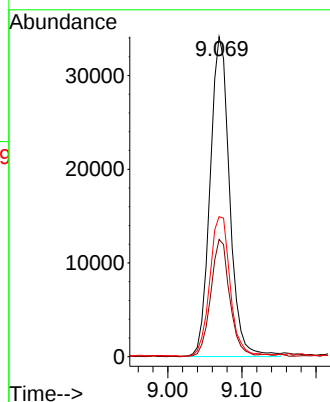
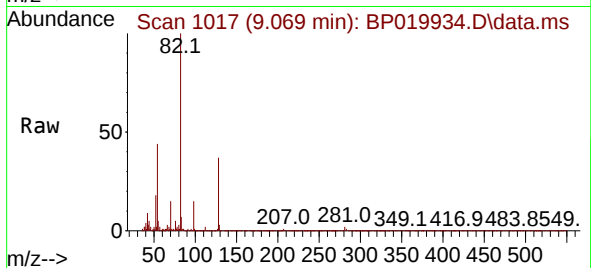
WC-1DL

Tgt Ion: 82 Resp: 6256
Ion Ratio Lower Upper
82 100
128 36.7 29.6 44.4
54 43.7 36.3 54.5

Manual Integrations

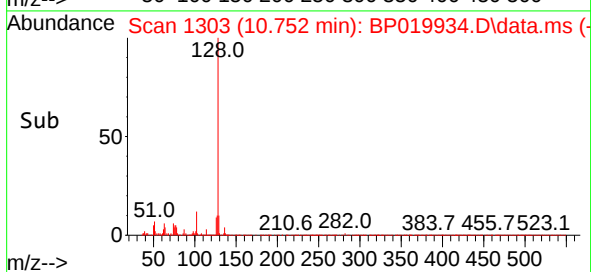
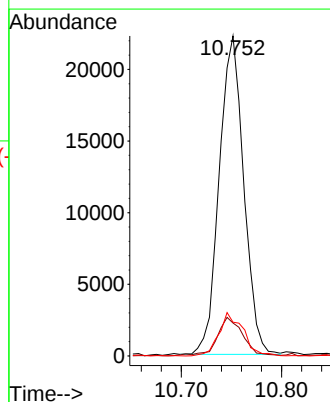
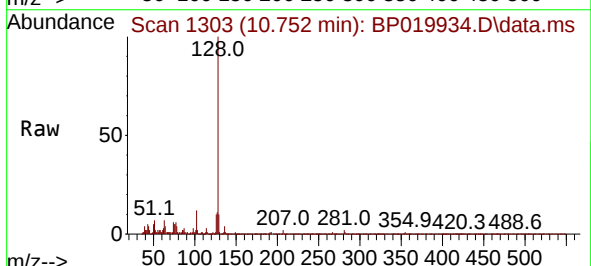
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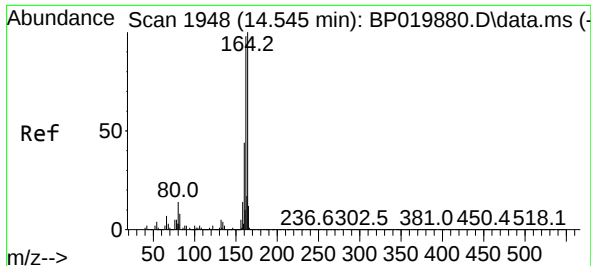
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#31
Naphthalene
Concen: 2.426 ng
RT: 10.752 min Scan# 1303
Delta R.T. -0.018 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

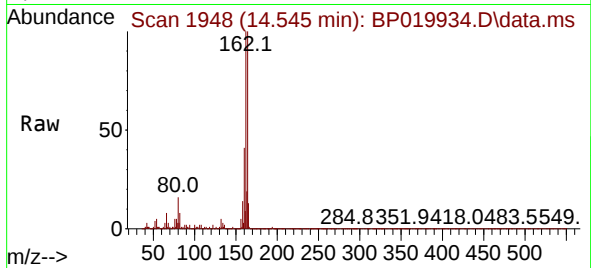
Tgt Ion:128 Resp: 37807
Ion Ratio Lower Upper
128 100
129 10.3 8.6 12.8
127 10.6 10.2 15.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

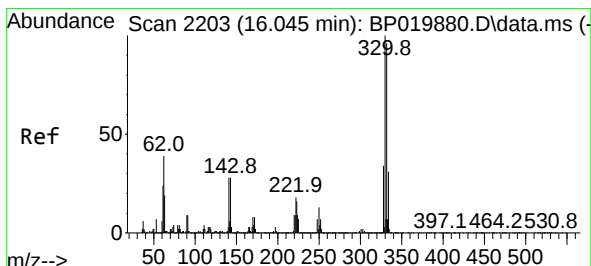
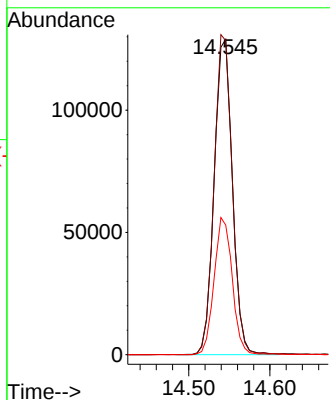
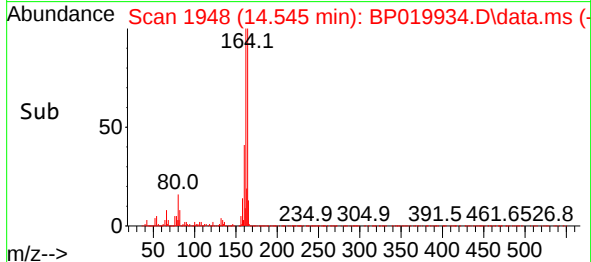
Instrument :
BNA_P
ClientSampleId :
WC-1DL



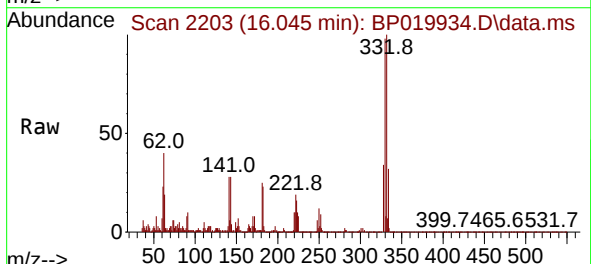
Tgt Ion:164 Resp: 20162
Ion Ratio Lower Upper
164 100
162 99.6 78.1 117.1
160 41.1 35.3 52.9

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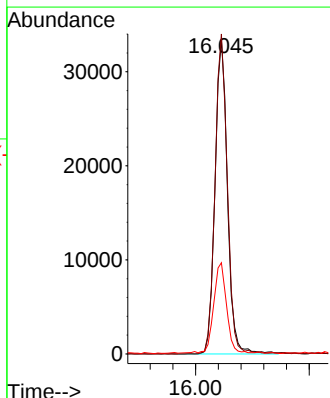
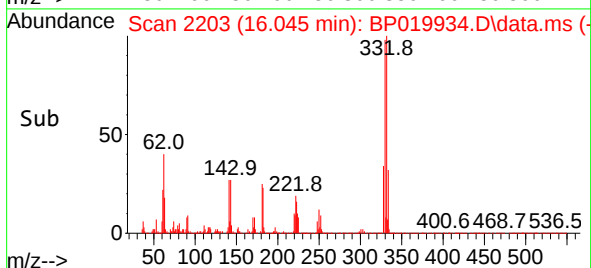
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

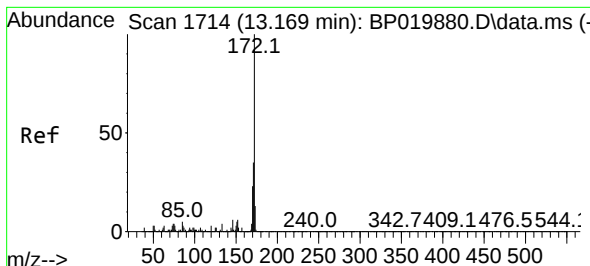


#42
2,4,6-Tribromophenol
Concen: 14.653 ng
RT: 16.045 min Scan# 2203
Delta R.T. -0.018 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27



Tgt Ion:330 Resp: 50656
Ion Ratio Lower Upper
330 100
332 100.6 77.4 116.2
141 29.3 24.6 37.0





#45

2-Fluorobiphenyl

Concen: 9.313 ng

RT: 13.163 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP019934.D

Acq: 29 Feb 2024 13:27

Instrument :

BNA_P

ClientSampleId :

WC-1DL

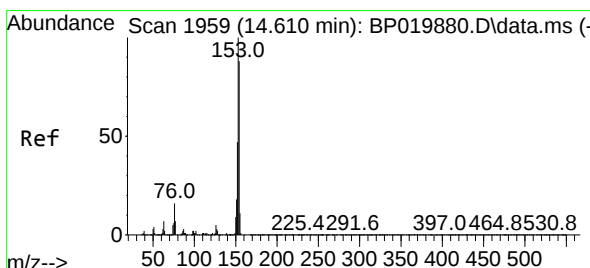
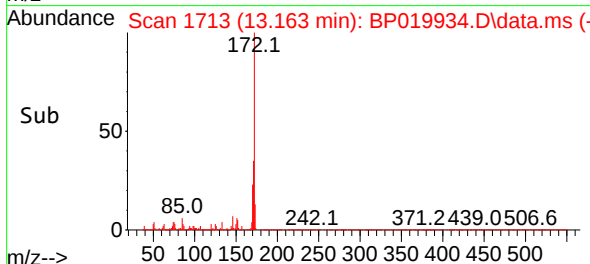
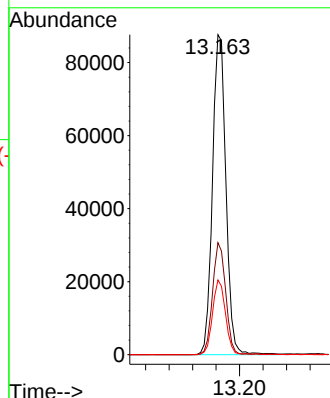
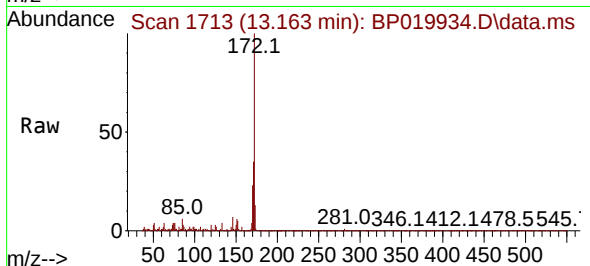
Tgt Ion:172 Resp: 138970

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.4	18.4	27.6

Manual Integrations

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



#52

Acenaphthene

Concen: 2.816 ng

RT: 14.604 min Scan# 1958

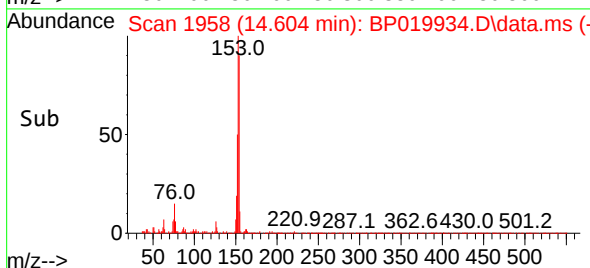
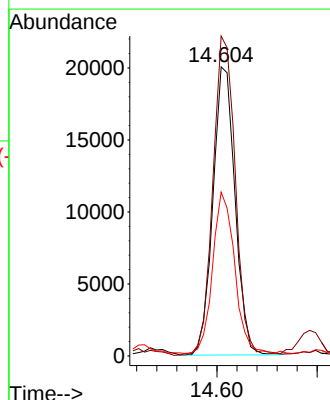
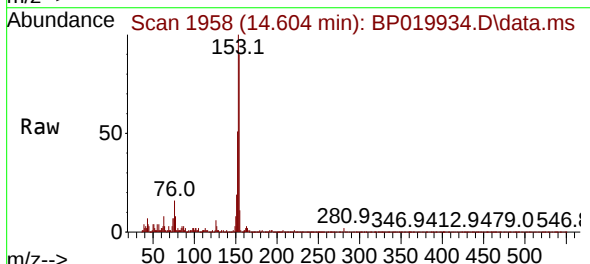
Delta R.T. -0.018 min

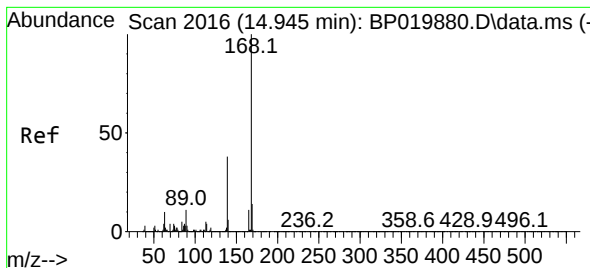
Lab File: BP019934.D

Acq: 29 Feb 2024 13:27

Tgt Ion:154 Resp: 30699

Ion	Ratio	Lower	Upper
154	100		
153	110.7	90.9	136.3
152	56.6	42.3	63.5





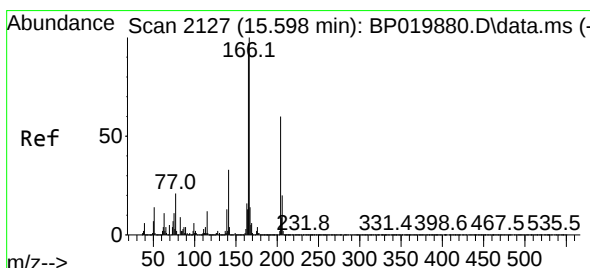
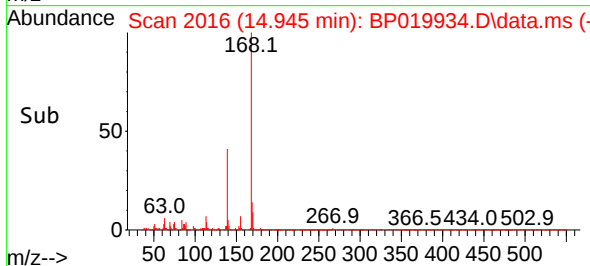
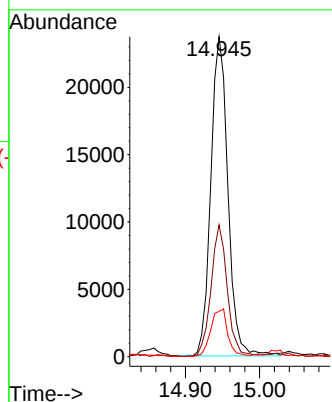
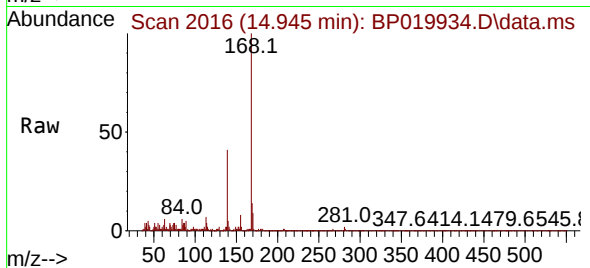
#55
Dibenzenofuran
Concen: 2.046 ng
RT: 14.945 min Scan# 2016
Delta R.T. -0.018 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

Instrument :
BNA_P
Client Sample Id :
WC-1DL

Tgt Ion:168 Resp: 38070
Ion Ratio Lower Upper
168 100
139 41.2 30.6 45.8
169 14.1 10.9 16.3

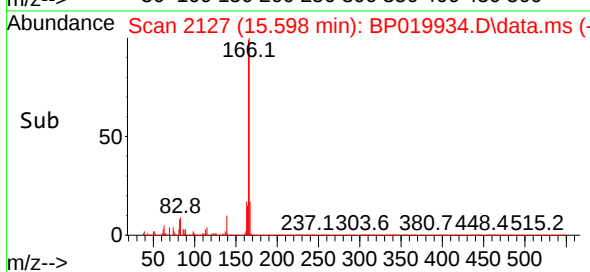
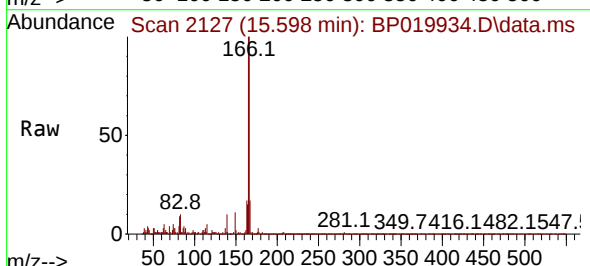
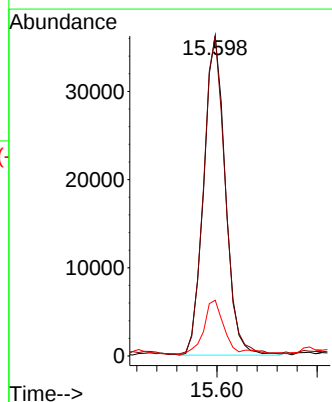
Manual Integrations
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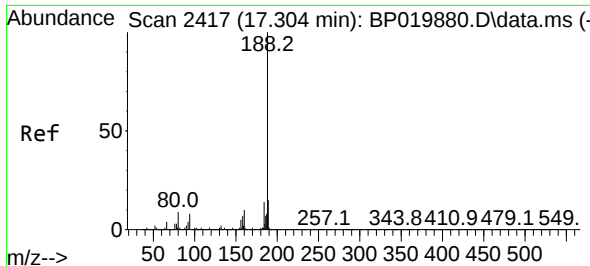
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#58
Fluorene
Concen: 3.591 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.018 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

Tgt Ion:166 Resp: 54182
Ion Ratio Lower Upper
166 100
165 100.0 77.8 116.6
167 17.4 10.8 16.2#





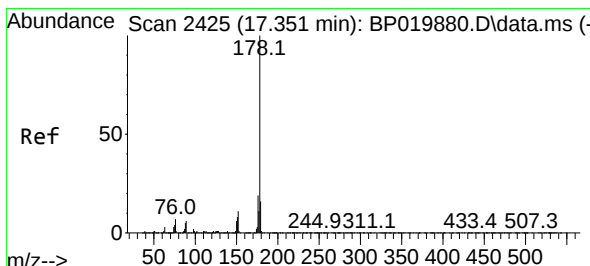
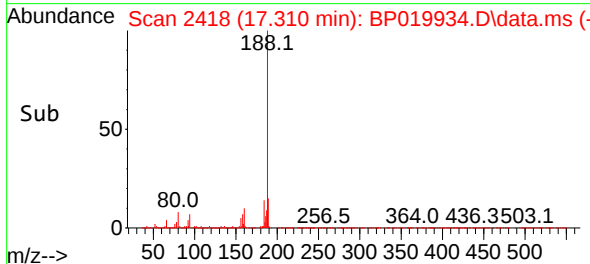
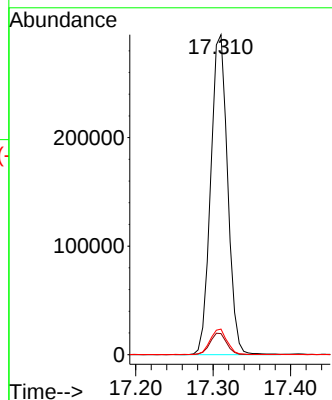
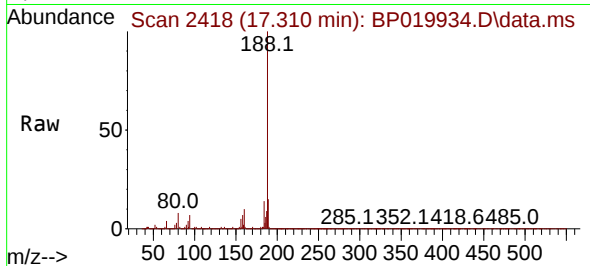
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Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2418
Delta R.T. -0.012 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

Instrument :
BNA_P
Client Sample Id :
WC-1DL

Tgt Ion:188 Resp: 446100
Ion Ratio Lower Upper
188 100
94 6.6 6.2 9.4
80 8.0 7.0 10.4

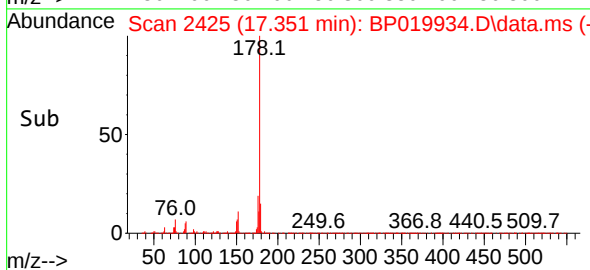
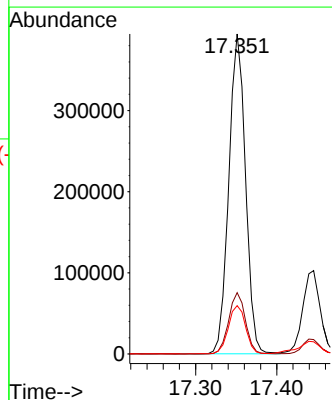
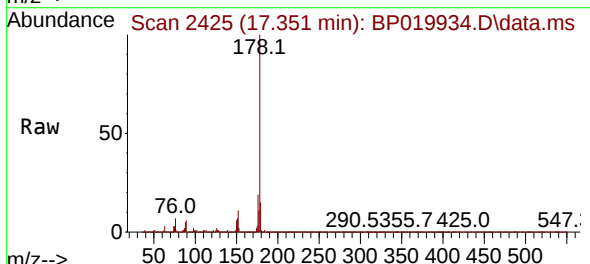
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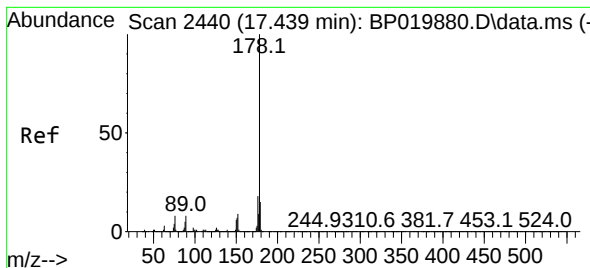
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#71
Phenanthrene
Concen: 23.657 ng
RT: 17.351 min Scan# 2425
Delta R.T. -0.018 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

Tgt Ion:178 Resp: 563300
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.1 12.5 18.7





#72

Anthracene

Concen: 6.216 ng

RT: 17.445 min Scan# 2440

Delta R.T. -0.012 min

Lab File: BP019934.D

Acq: 29 Feb 2024 13:27

Instrument :

BNA_P

ClientSampleId :

WC-1DL

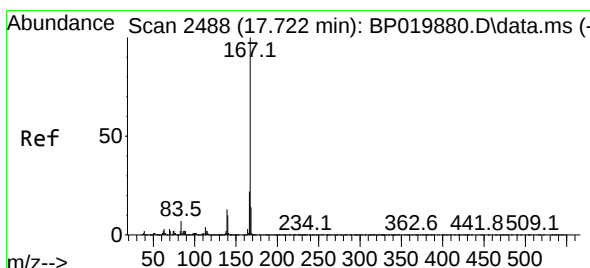
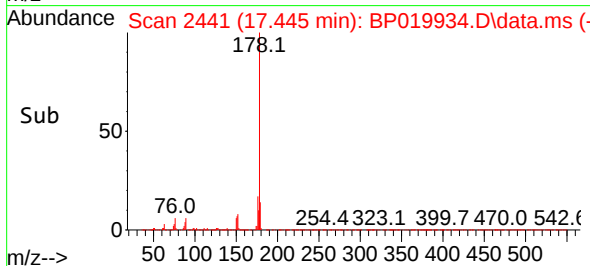
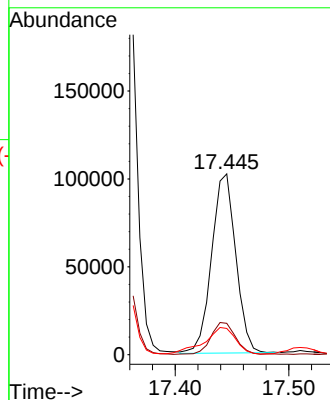
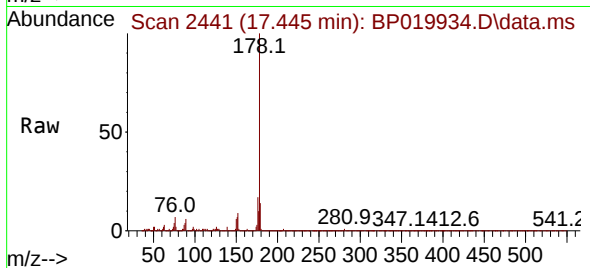
Tgt Ion:178 Resp: 151086

Ion	Ratio	Lower	Upper
178	100		
176	17.3	14.7	22.1
179	14.5	12.2	18.4

Manual Integrations

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



#73

Carbazole

Concen: 2.162 ng

RT: 17.722 min Scan# 2488

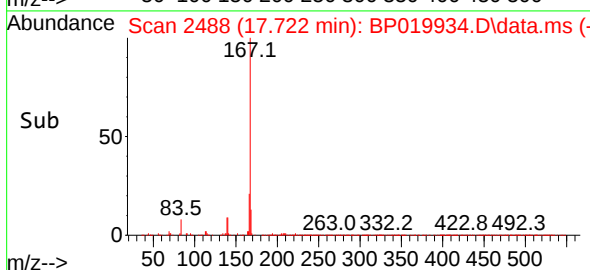
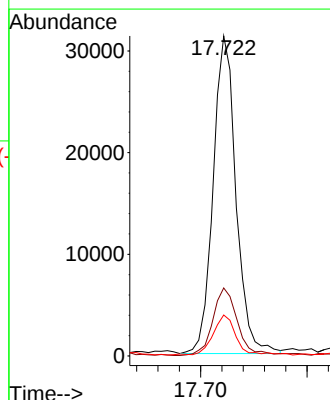
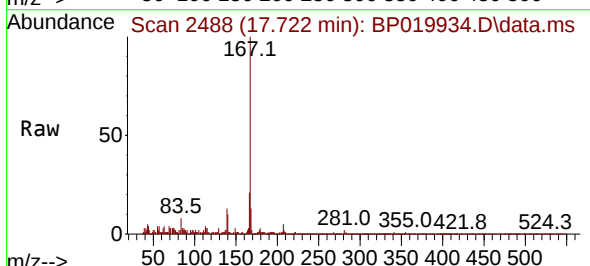
Delta R.T. -0.018 min

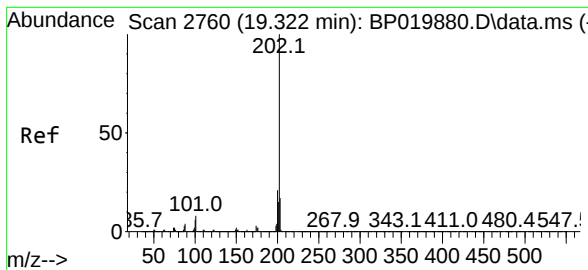
Lab File: BP019934.D

Acq: 29 Feb 2024 13:27

Tgt Ion:167 Resp: 46538

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.3	25.9
139	12.8	10.5	15.7





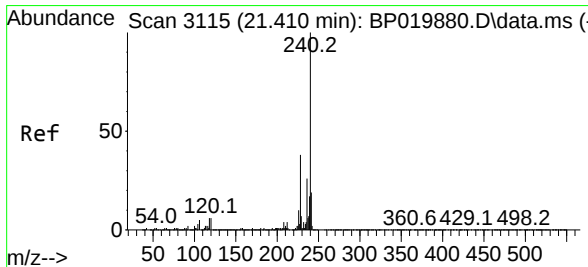
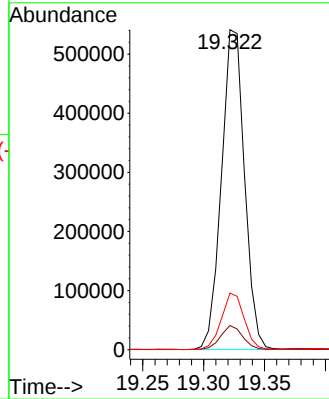
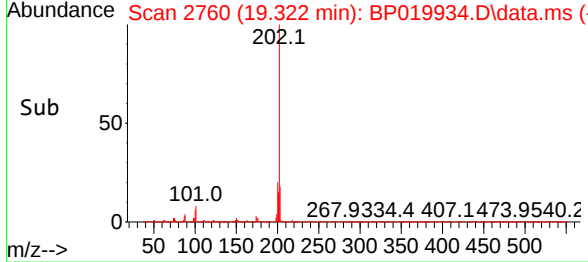
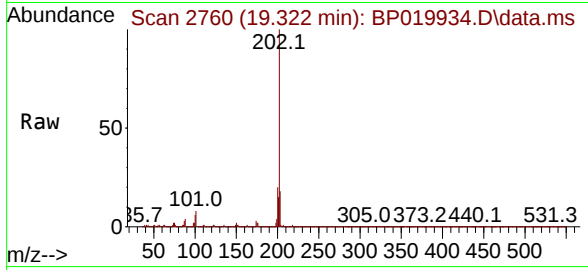
#75
Fluoranthene
Concen: 23.100 ng
RT: 19.322 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

Instrument :
BNA_P
ClientSampleId :
WC-1DL

Tgt Ion:	202	Resp:	71384
Ion Ratio	Lower	Upper	
202	100		
101	7.6	0.0	27.7
203	17.7	0.0	37.5

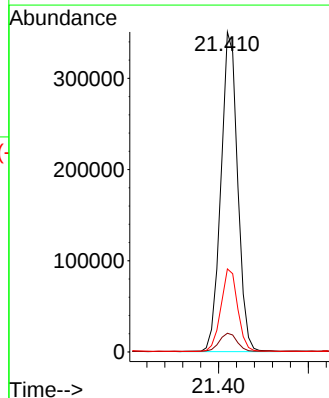
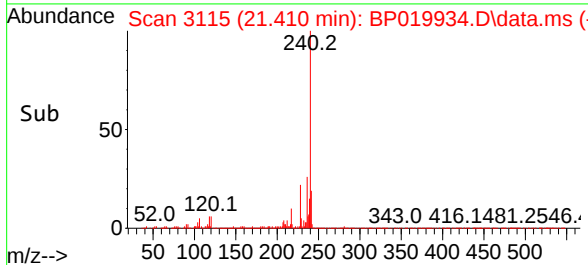
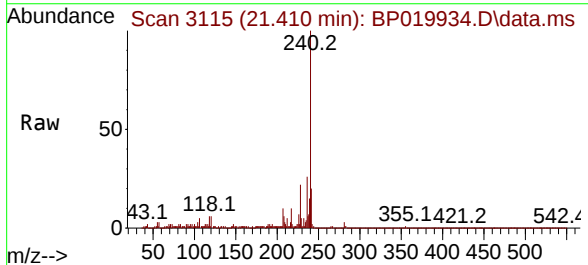
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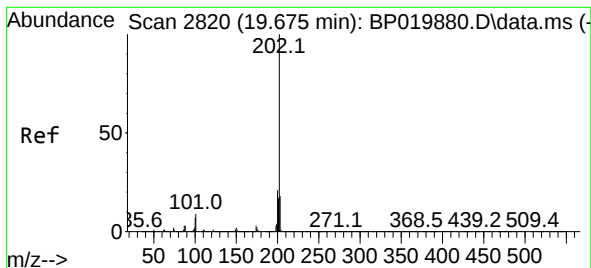
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3115
Delta R.T. -0.018 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

Tgt Ion:	240	Resp:	452481
Ion Ratio	Lower	Upper	
240	100		
120	5.8	5.1	7.7
236	26.0	20.5	30.7





#78

Pyrene

Concen: 17.737 ng

RT: 19.675 min Scan# 2820

Delta R.T. -0.018 min

Lab File: BP019934.D

Acq: 29 Feb 2024 13:27

Instrument :

BNA_P

ClientSampleId :

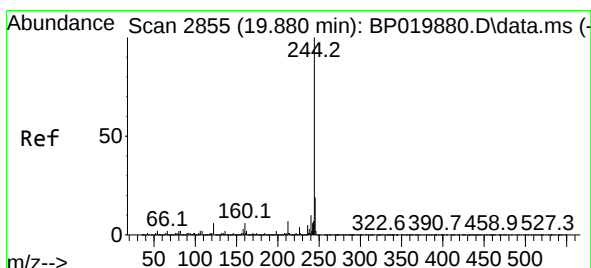
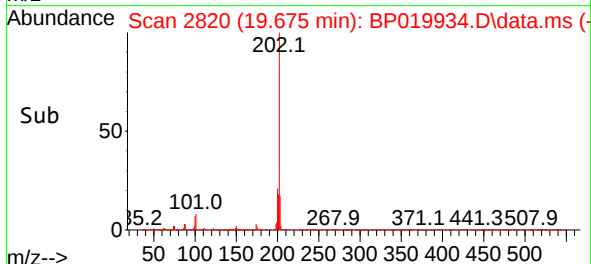
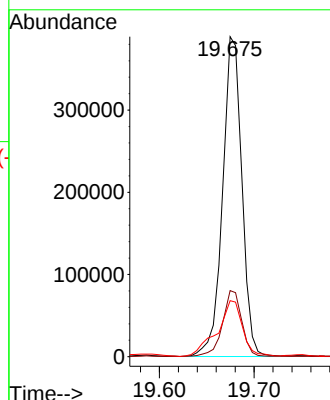
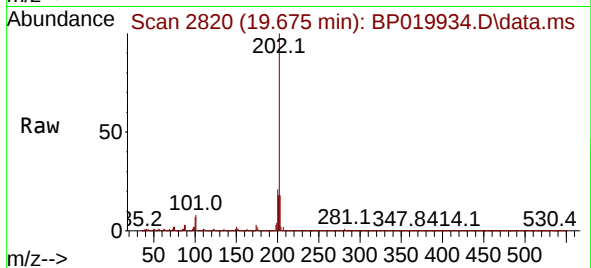
WC-1DL

Tgt Ion:	202	Resp:	55141
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.7	25.1
203	17.5	14.2	21.2

Manual Integrations

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



#79

Terphenyl-d14

Concen: 8.390 ng

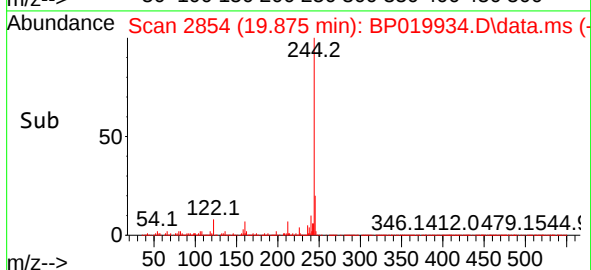
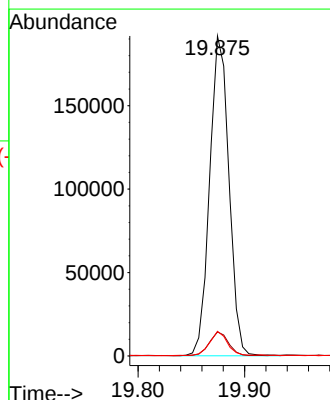
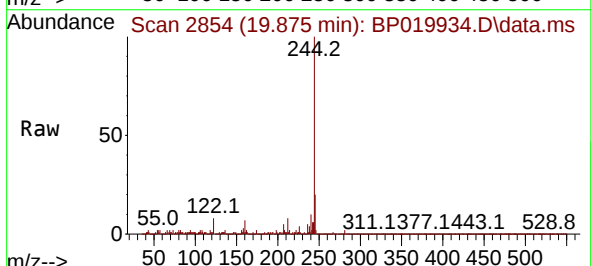
RT: 19.875 min Scan# 2854

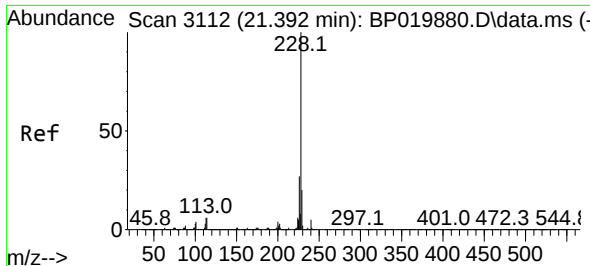
Delta R.T. -0.018 min

Lab File: BP019934.D

Acq: 29 Feb 2024 13:27

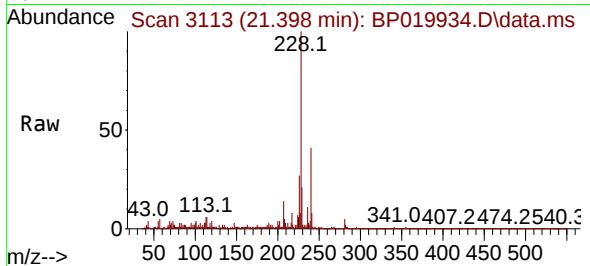
Tgt Ion:	244	Resp:	240870
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.8	8.8
122	7.7	5.0	7.6





#81
Benzo(a)anthracene
Concen: 9.949 ng
RT: 21.398 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

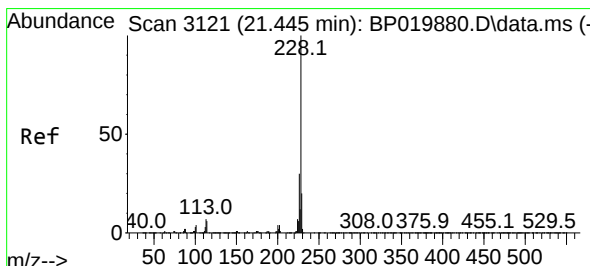
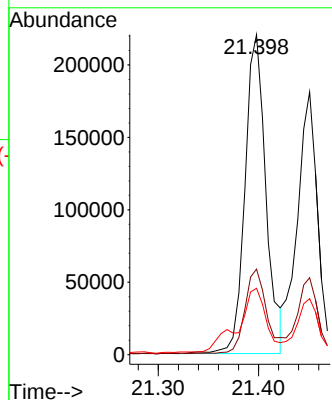
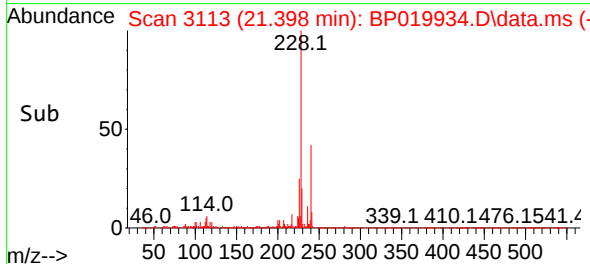
Instrument :
BNA_P
ClientSampleId :
WC-1DL



Tgt Ion:228 Resp: 319539
Ion Ratio Lower Upper
228 100
226 26.8 21.5 32.3
229 20.7 15.6 23.4

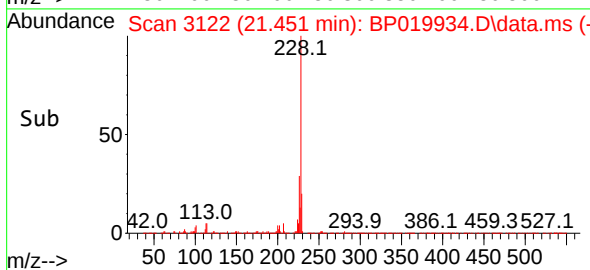
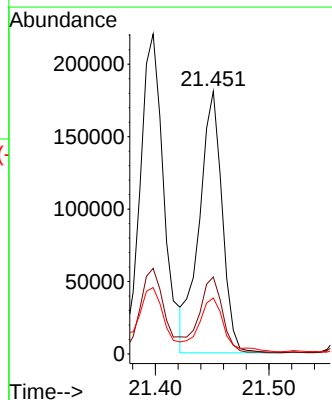
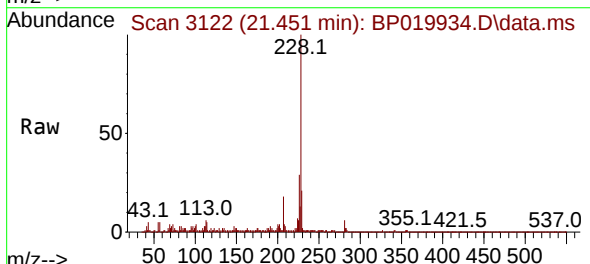
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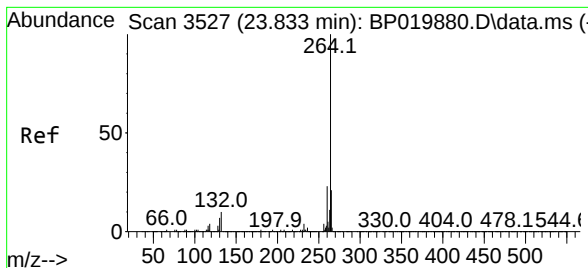
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#83
Chrysene
Concen: 8.396 ng
RT: 21.451 min Scan# 3122
Delta R.T. -0.018 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

Tgt Ion:228 Resp: 252699
Ion Ratio Lower Upper
228 100
226 29.3 23.9 35.9
229 21.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.845 min Scan# 3529

Delta R.T. -0.023 min

Lab File: BP019934.D

Acq: 29 Feb 2024 13:27

Instrument :

BNA_P

ClientSampleId :

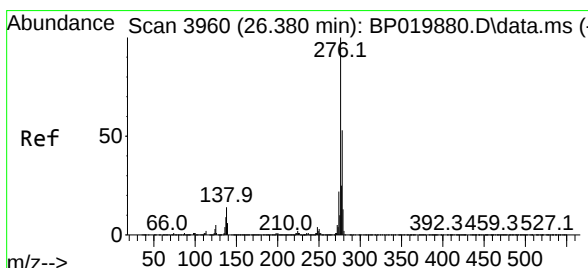
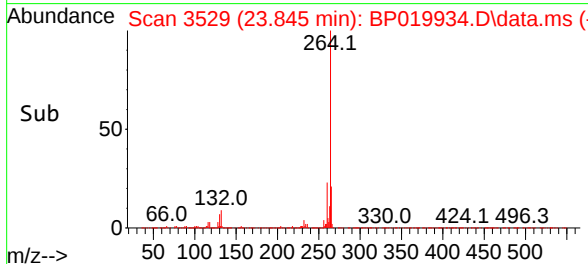
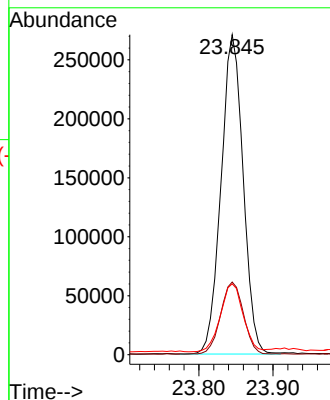
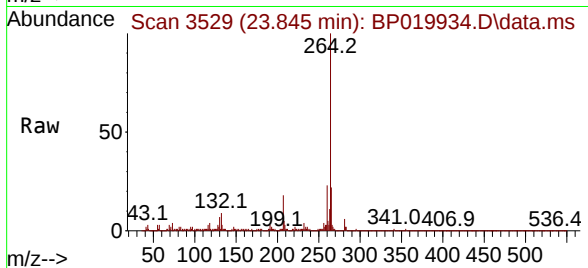
WC-1DL

Tgt Ion:264	Resp: 56062
Ion Ratio	Lower Upper
264 100	
260 22.7	18.7 28.1
265 22.2	17.4 26.2

Manual Integrations

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.915 ng

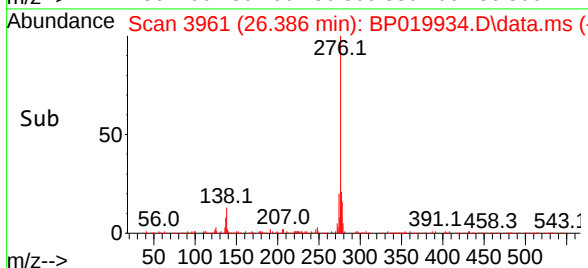
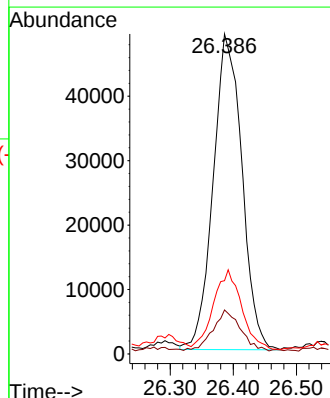
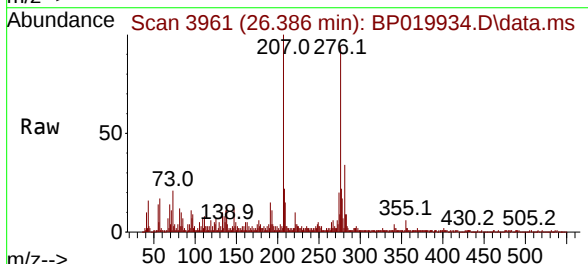
RT: 26.386 min Scan# 3961

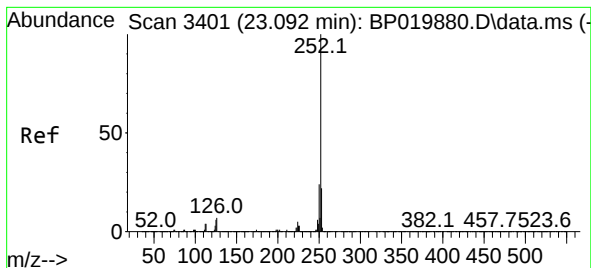
Delta R.T. -0.059 min

Lab File: BP019934.D

Acq: 29 Feb 2024 13:27

Tgt Ion:276	Resp: 154503
Ion Ratio	Lower Upper
276 100	
138 12.5	11.7 17.5
277 24.7	20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 9.900 ng

RT: 23.104 min Scan# 3401

Delta R.T. -0.018 min

Lab File: BP019934.D

Acq: 29 Feb 2024 13:27

Instrument :

BNA_P

ClientSampleId :

WC-1DL

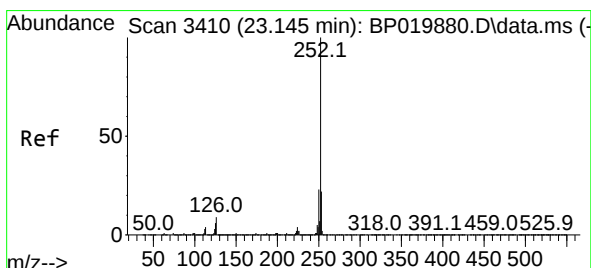
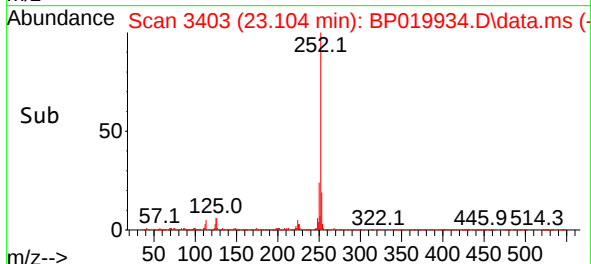
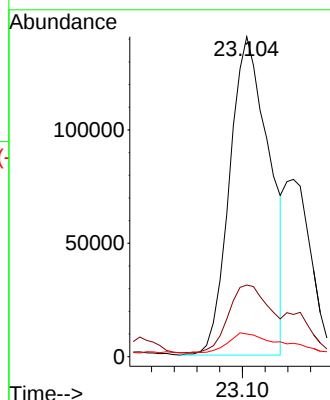
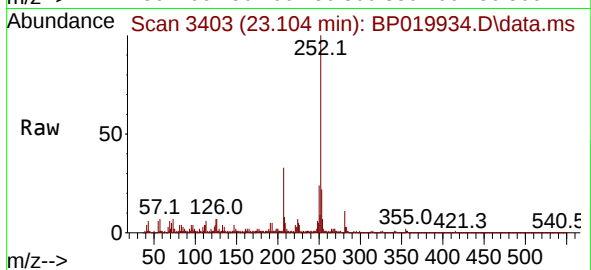
Tgt Ion:252 Resp: 34026

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	7.1	4.6	7.0

Manual Integrations

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



#89

Benzo(k)fluoranthene

Concen: 3.721 ng m

RT: 23.145 min Scan# 3410

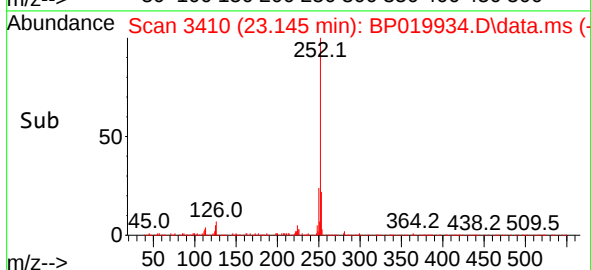
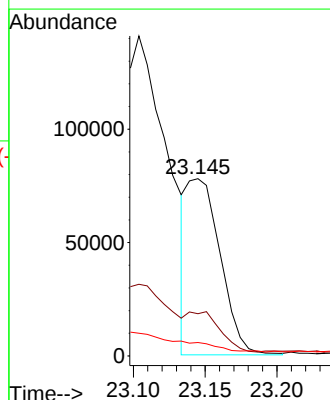
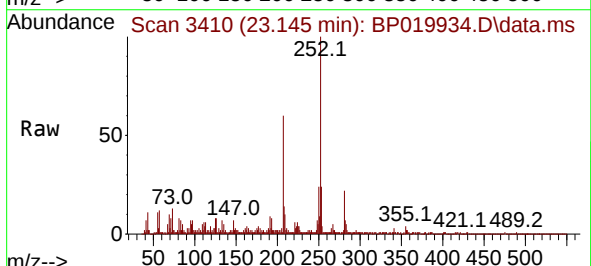
Delta R.T. -0.029 min

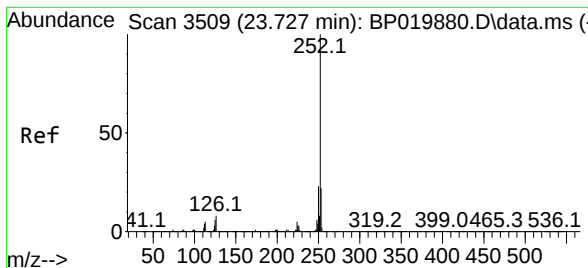
Lab File: BP019934.D

Acq: 29 Feb 2024 13:27

Tgt Ion:252 Resp: 125422

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	7.5	4.6	6.8





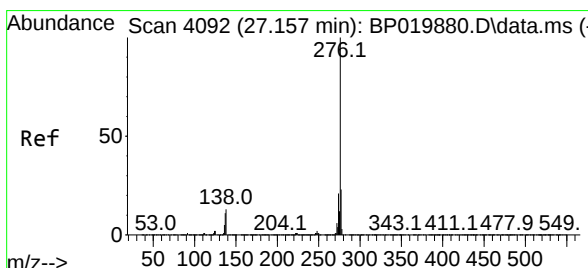
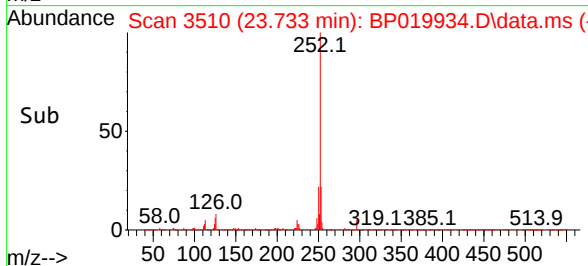
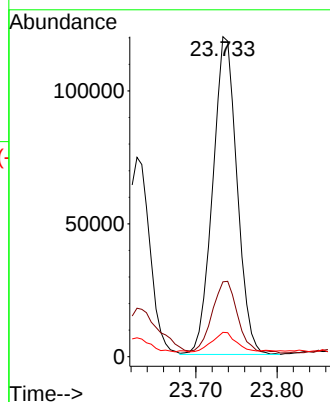
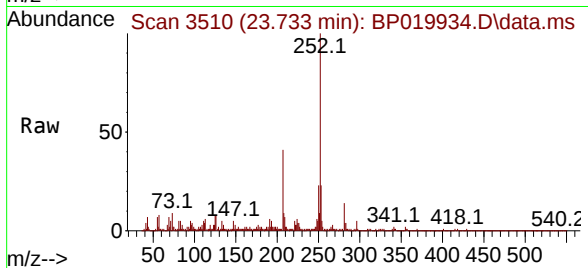
#90
Benzo(a)pyrene
Concen: 7.570 ng
RT: 23.733 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

Instrument :
BNA_P
ClientSampleId :
WC-1DL

Tgt Ion:252 Resp: 24866
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 7.6 5.2 7.8

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



#92
Benzo(g,h,i)perylene
Concen: 4.188 ng
RT: 27.174 min Scan# 4095
Delta R.T. -0.053 min
Lab File: BP019934.D
Acq: 29 Feb 2024 13:27

Tgt Ion:276 Resp: 134128
Ion Ratio Lower Upper
276 100
277 26.5 18.5 27.7
138 14.9 10.2 15.2

