

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
 Data File : BP019617.D
 Acq On : 08 Feb 2024 20:01
 Operator : MA/JU
 Sample : P1375-01DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1DL

Manual Integrations
 APPROVED

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

Quant Time: Feb 09 00:43:03 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	7.910	152	93420	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	357342	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	232625	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	503388	20.000	ng	0.00
76) Chrysene-d12	21.392	240	461425	20.000	ng	0.00
86) Perylene-d12	23.810	264	556001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	113577	19.597	ng	0.00
7) Phenol-d6	7.081	99	150685	19.283	ng	0.00
23) Nitrobenzene-d5	9.075	82	96207	11.666	ng	-0.01
42) 2,4,6-Tribromophenol	16.039	330	72273	21.279	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	240533	12.783	ng	-0.01
79) Terphenyl-d14	19.863	244	381138	13.584	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.604	154	36105	2.721	ng	97
55) Dibenzofuran	14.945	168	45134	2.088	ng	96
58) Fluorene	15.592	166	57915	3.364	ng	99
71) Phenanthrene	17.345	178	1238611	46.755	ng	99
72) Anthracene	17.433	178	261928	9.911	ng	98
73) Carbazole	17.710	167	112500	4.686	ng	99
75) Fluoranthene	19.310	202	1795978	55.496	ng	100
78) Pyrene	19.663	202	1578605	48.475	ng	99
81) Benzo(a)anthracene	21.374	228	736765	22.683	ng	98
83) Chrysene	21.427	228	668082	21.664	ng	97
87) Indeno(1,2,3-cd)pyrene	26.339	276	419226	9.850	ng	# 96
88) Benzo(b)fluoranthene	23.080	252	861150	24.575	ng	# 98
89) Benzo(k)fluoranthene	23.121	252	259006m	7.738	ng	
90) Benzo(a)pyrene	23.704	252	634044	20.335	ng	96
91) Dibenzo(a,h)anthracene	26.351	278	104313	2.980	ng	# 86
92) Benzo(g,h,i)perylene	27.115	276	399523	11.251	ng	99

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

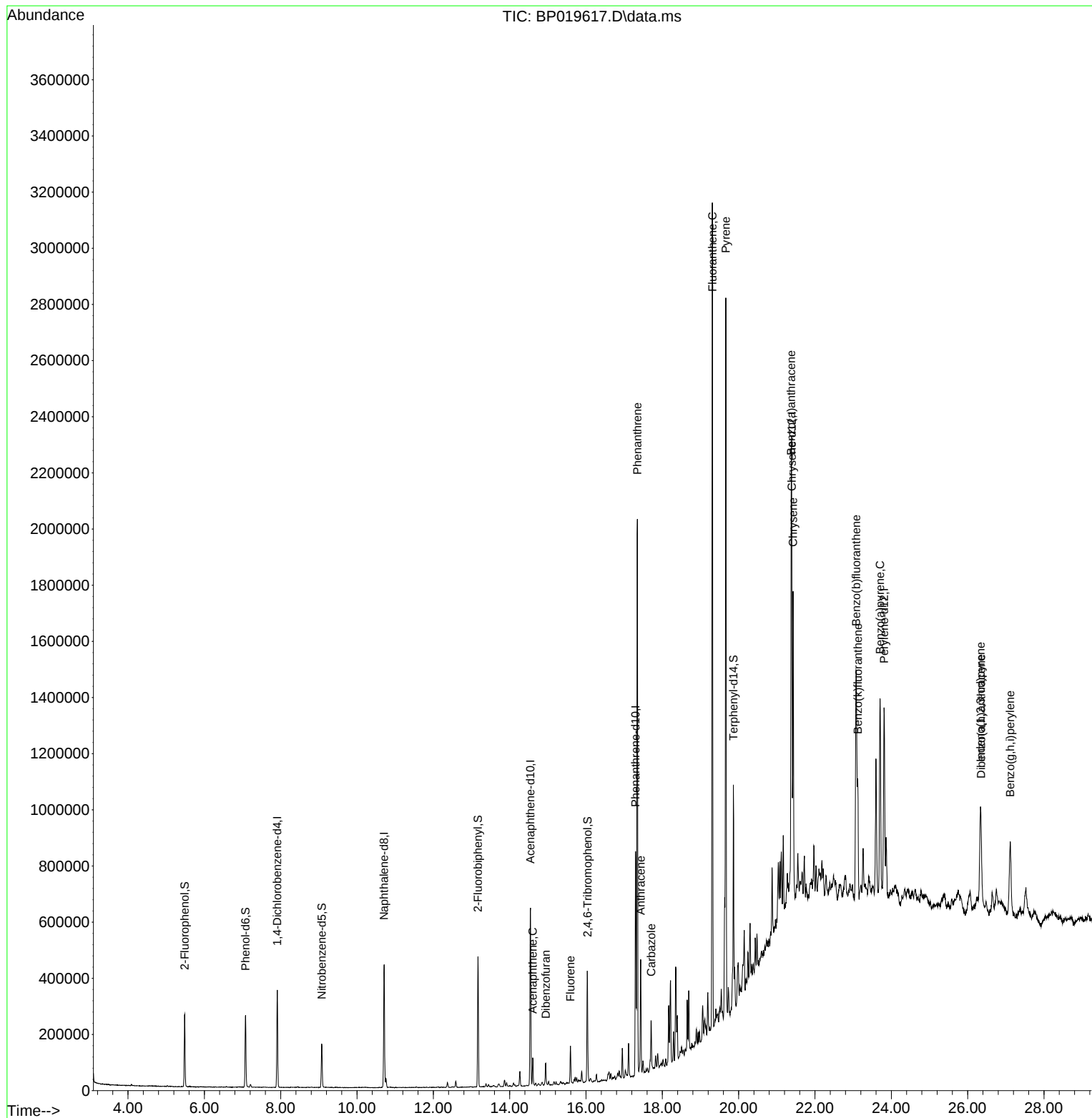
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
Data File : BP019617.D
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ALS Vial : 14 Sample Multiplier: 1

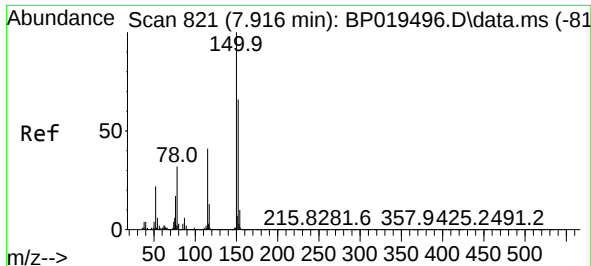
Instrument :
BNA_P
ClientSampleId :
TP-1DL

Quant Time: Feb 09 00:43:03 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
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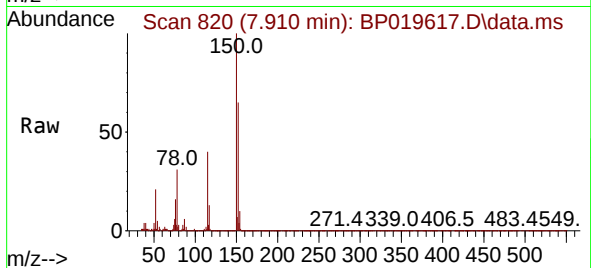
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

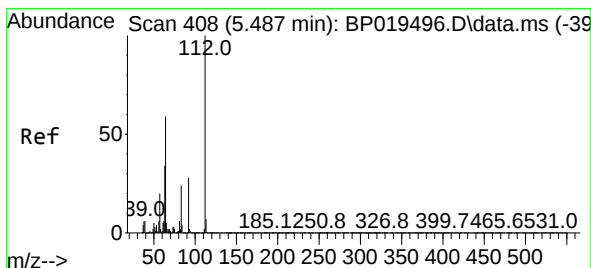
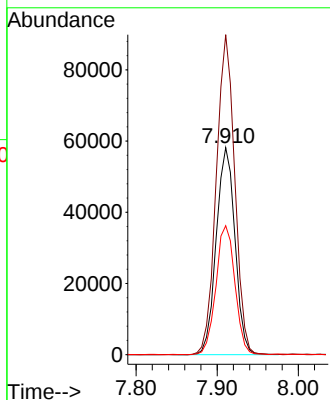
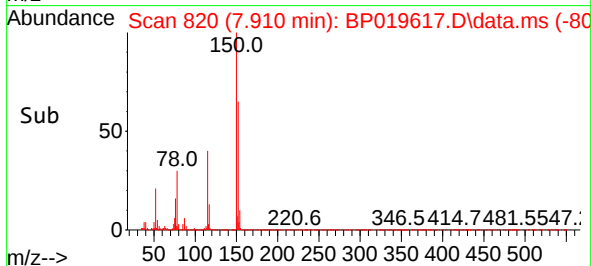
Instrument :
BNA_P
ClientSampleId :
TP-1DL



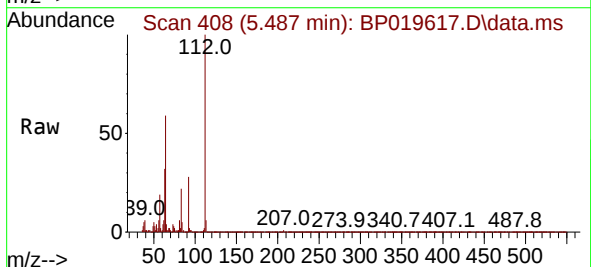
Tgt Ion:152 Resp: 93420
Ion Ratio Lower Upper
152 100
150 154.6 121.8 182.8
115 62.3 49.9 74.9

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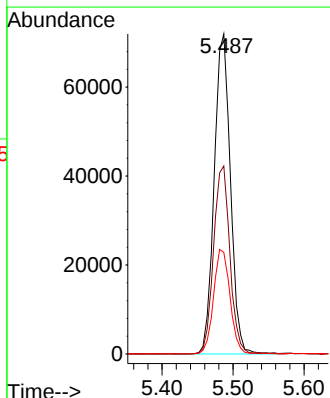
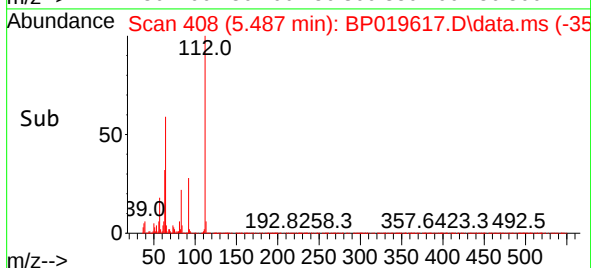
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024

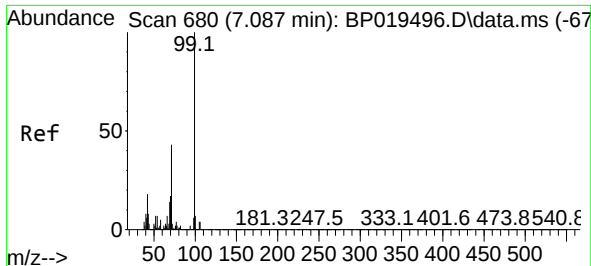


#5
2-Fluorophenol
Concen: 19.597 ng
RT: 5.487 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01



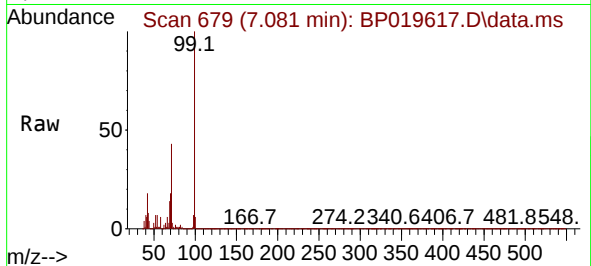
Tgt Ion:112 Resp: 113577
Ion Ratio Lower Upper
112 100
64 58.8 47.4 71.0
63 31.7 27.0 40.6





#7
Phenol-d6
Concen: 19.283 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

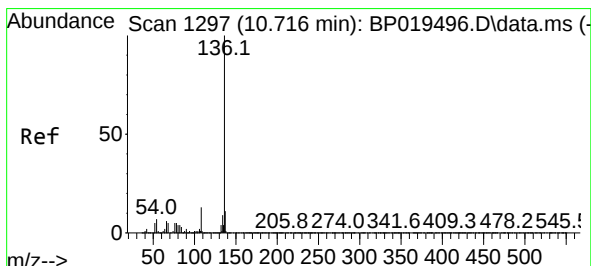
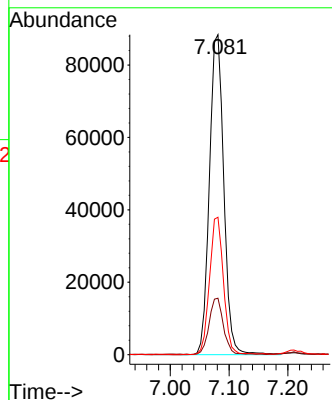
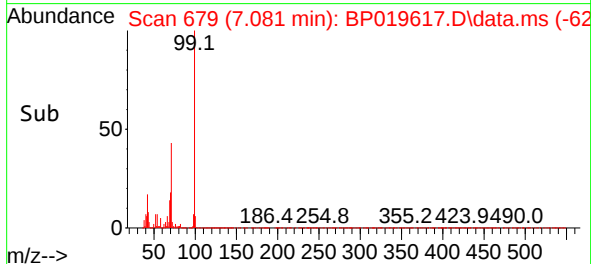
Instrument :
BNA_P
ClientSampleId :
TP-1DL



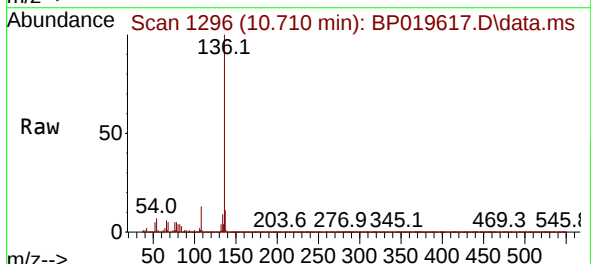
Tgt Ion: 99 Resp: 15068
Ion Ratio Lower Upper
99 100
42 17.6 14.7 22.1
71 43.0 34.8 52.2

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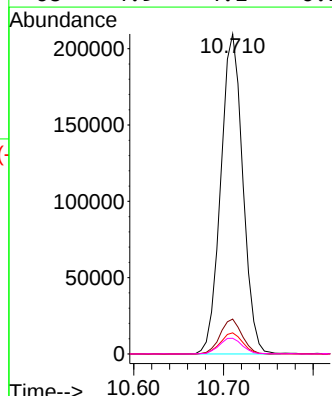
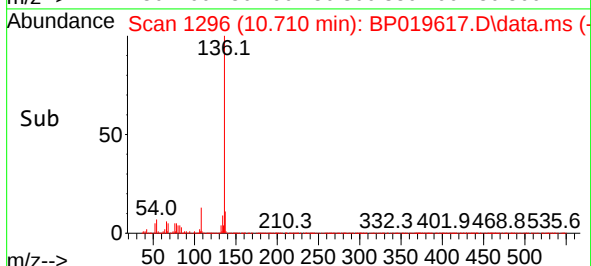
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024

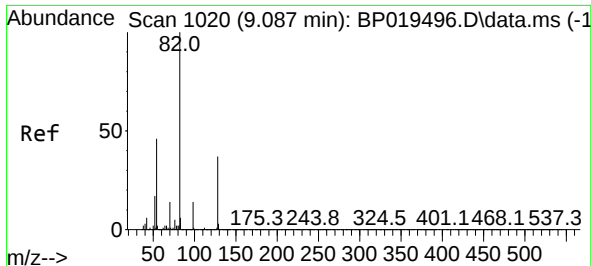


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01



Tgt Ion:136 Resp: 357342
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.6 5.3 7.9
68 4.9 4.1 6.1





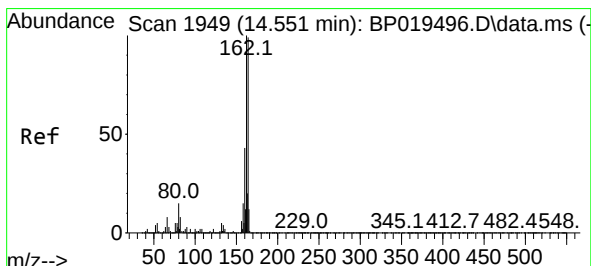
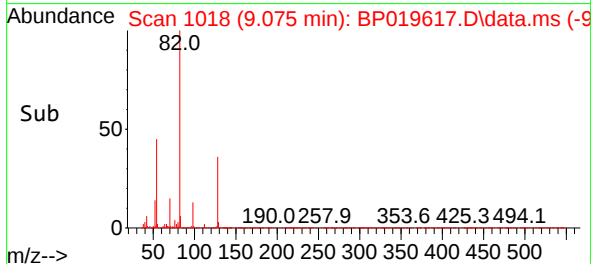
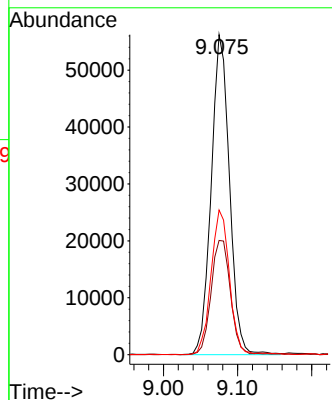
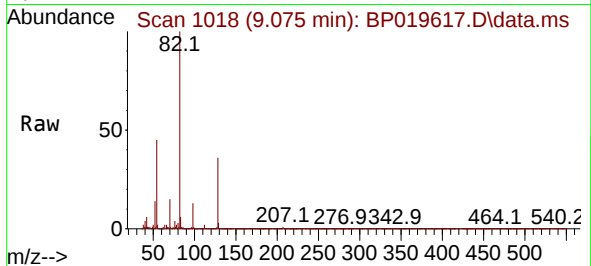
#23
Nitrobenzene-d5
Concen: 11.666 ng
RT: 9.075 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

Instrument :
BNA_P
ClientSampleId :
TP-1DL

Tgt Ion: 82 Resp: 9620
Ion Ratio Lower Upper
82 100
128 35.7 29.7 44.5
54 45.2 36.8 55.2

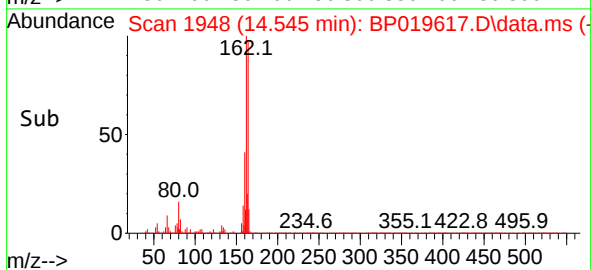
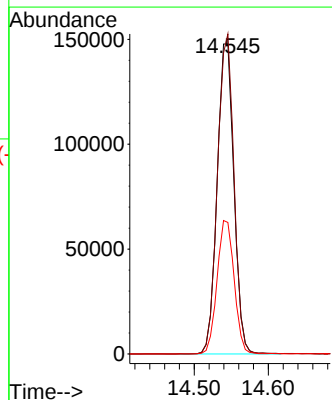
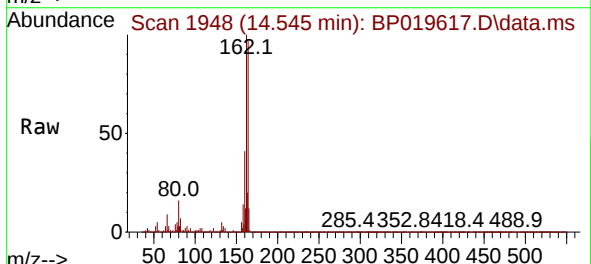
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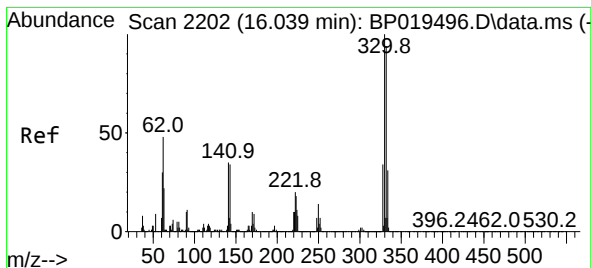
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

Tgt Ion:164 Resp: 232625
Ion Ratio Lower Upper
164 100
162 103.2 81.2 121.8
160 42.4 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 21.279 ng

RT: 16.039 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Instrument :

BNA_P

ClientSampleId :

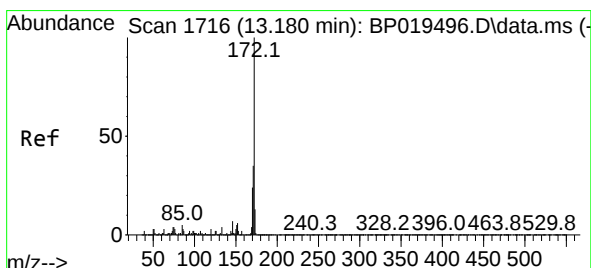
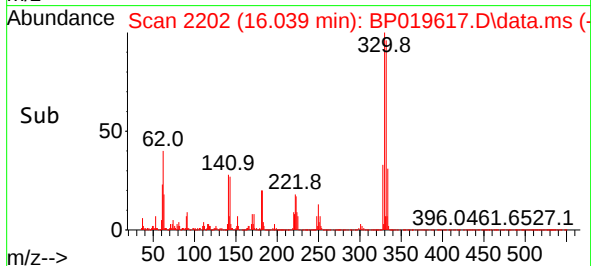
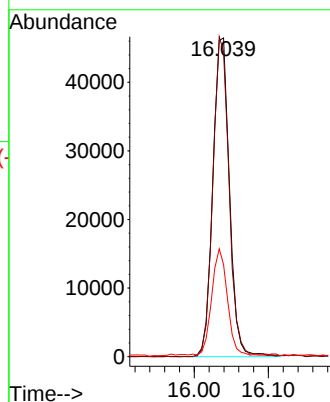
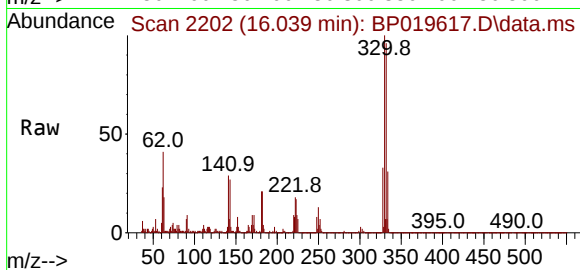
TP-1DL

Tgt Ion:	330	Resp:	7227
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.2	115.8
141	31.1	27.0	40.4

Manual Integrations

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



#45

2-Fluorobiphenyl

Concen: 12.783 ng

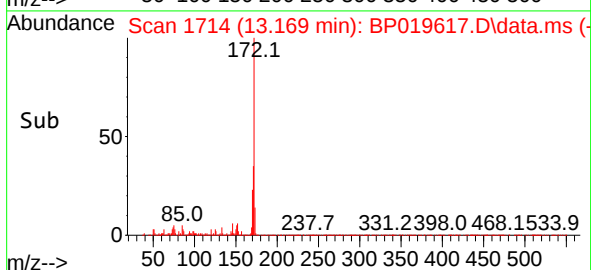
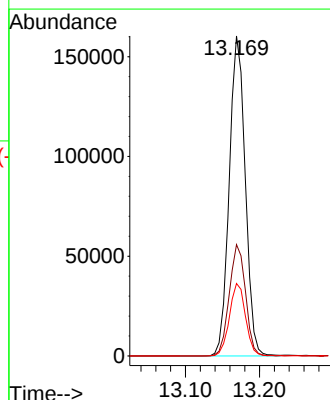
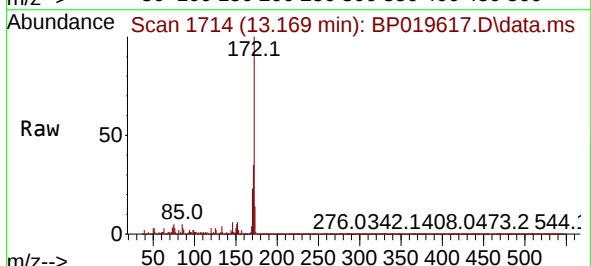
RT: 13.169 min Scan# 1714

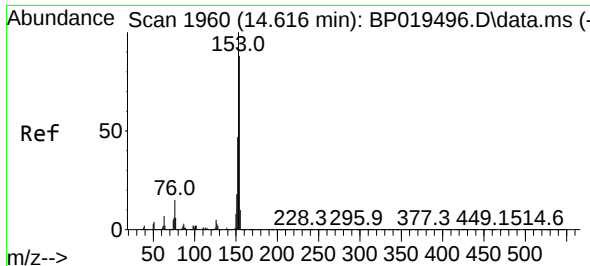
Delta R.T. -0.012 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Tgt Ion:	172	Resp:	240533
Ion Ratio	Lower	Upper	
172	100		
171	34.8	28.2	42.4
170	22.7	18.9	28.3





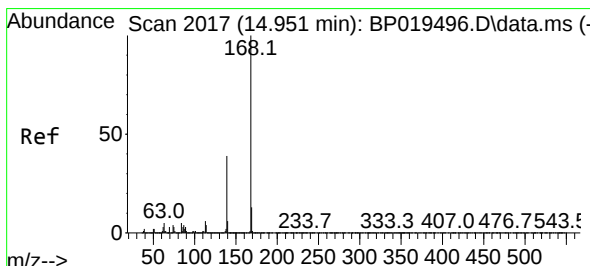
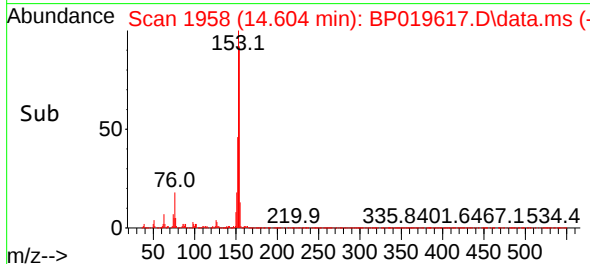
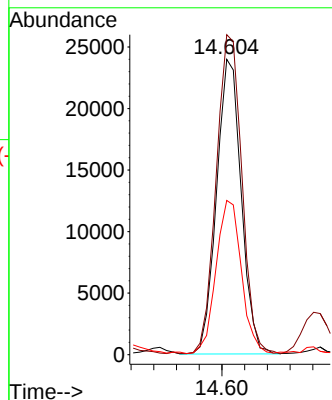
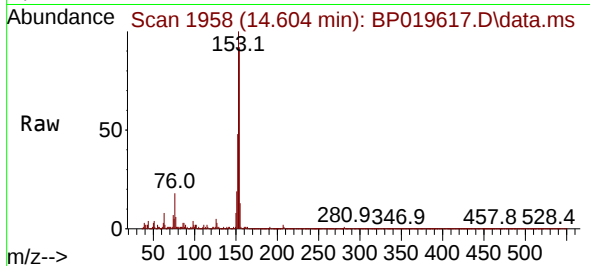
#52
Acenaphthene
Concen: 2.721 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.012 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

Instrument :
BNA_P
ClientSampleId :
TP-1DL

Tgt Ion:154 Resp: 3610
Ion Ratio Lower Upper
154 100
153 108.3 90.5 135.7
152 52.2 42.1 63.1

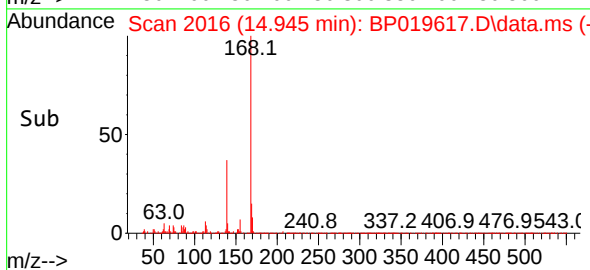
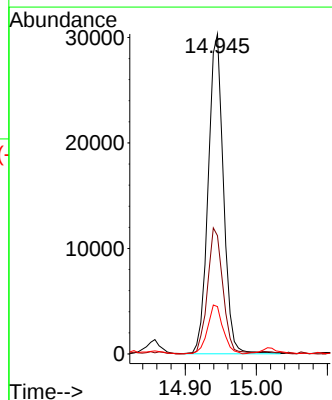
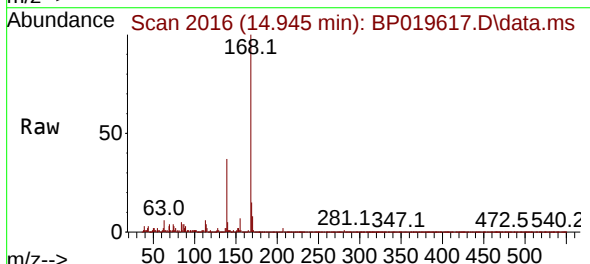
Manual Integrations
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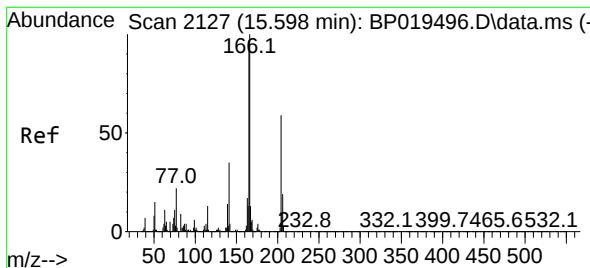
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#55
Dibenzofuran
Concen: 2.088 ng
RT: 14.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

Tgt Ion:168 Resp: 45134
Ion Ratio Lower Upper
168 100
139 36.9 31.5 47.3
169 14.8 10.3 15.5





#58

Fluorene

Concen: 3.364 ng

RT: 15.592 min Scan# 2127

Delta R.T. -0.006 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Instrument :

BNA_P

ClientSampleId :

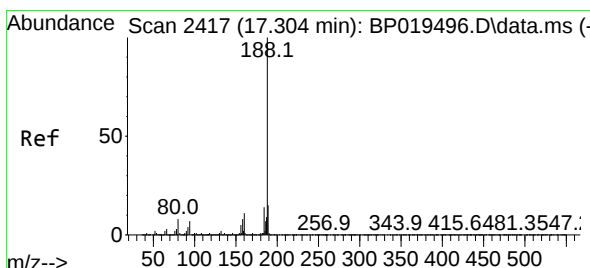
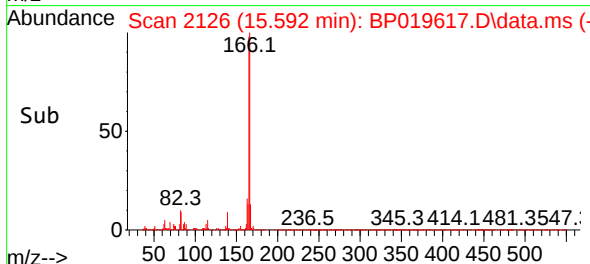
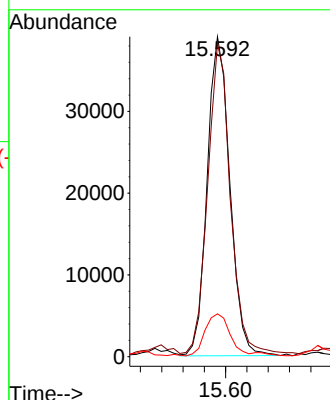
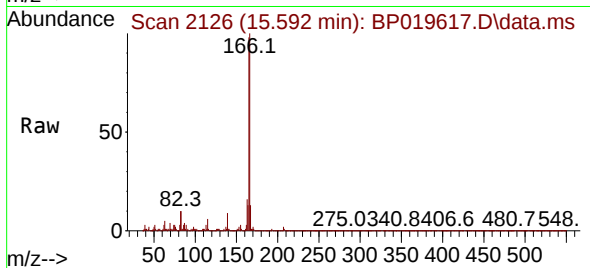
TP-1DL

Tgt Ion:166	Resp:	5791
Ion Ratio	Lower	Upper
166	100	
165	97.9	77.8 116.8
167	13.4	10.7 16.1

Manual Integrations

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



#64

Phenanthrene-d10

Concen: 20.000 ng

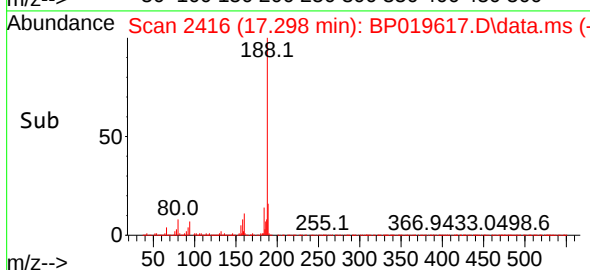
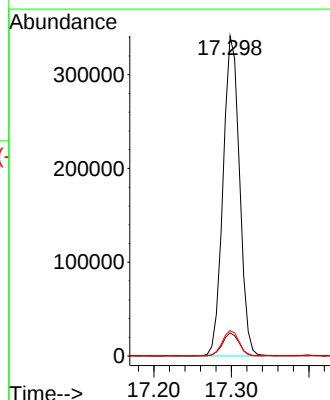
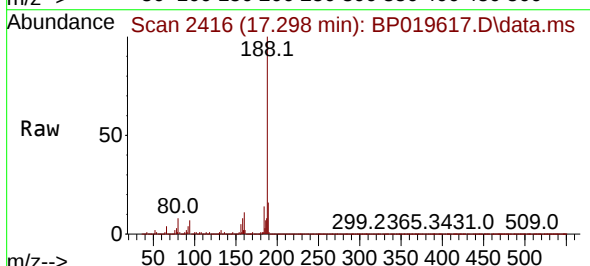
RT: 17.298 min Scan# 2416

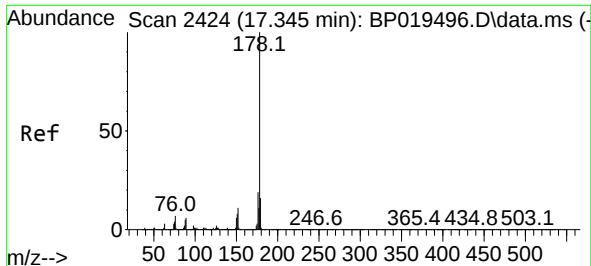
Delta R.T. -0.006 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

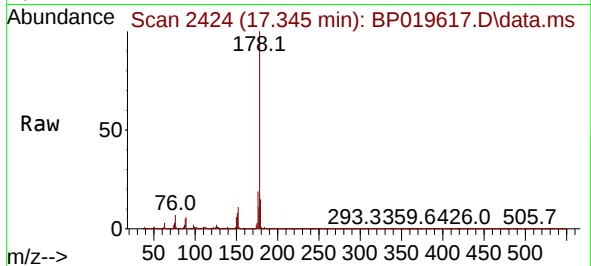
Tgt Ion:188	Resp:	503388
Ion Ratio	Lower	Upper
188	100	
94	7.2	5.4 8.2
80	8.0	6.3 9.5





#71
Phenanthrene
Concen: 46.755 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

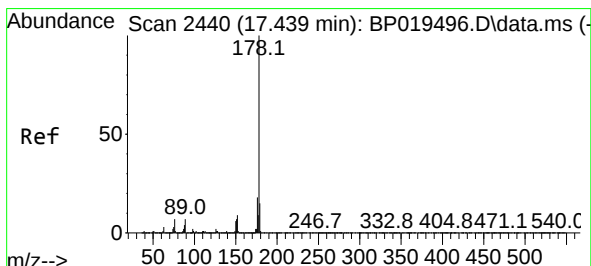
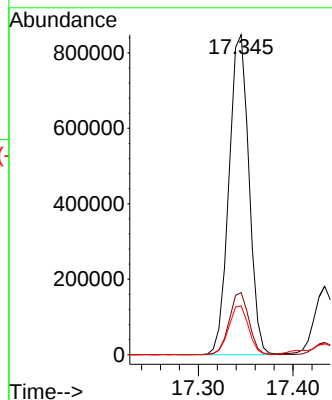
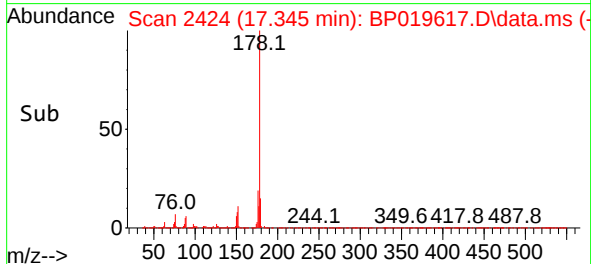
Instrument :
BNA_P
ClientSampleId :
TP-1DL



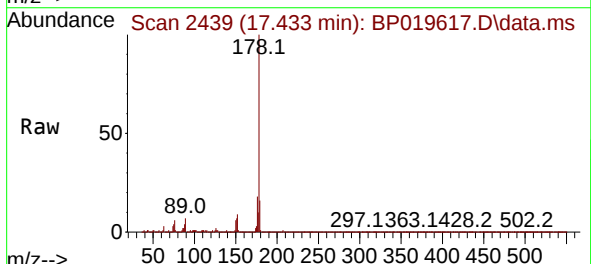
Tgt Ion:178 Resp: 123861
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.3 12.6 19.0

Manual Integrations
APPROVED

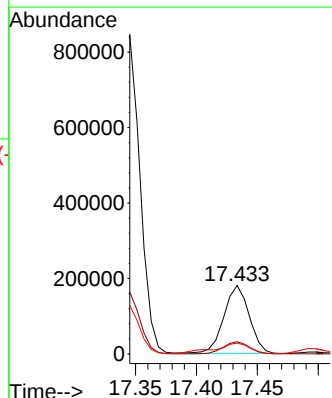
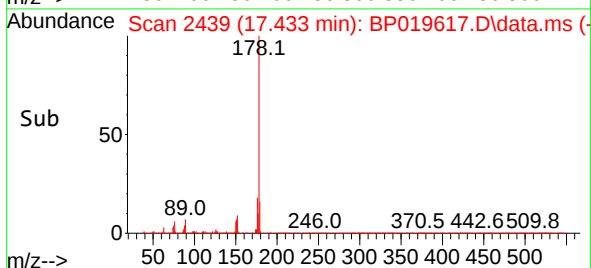
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024

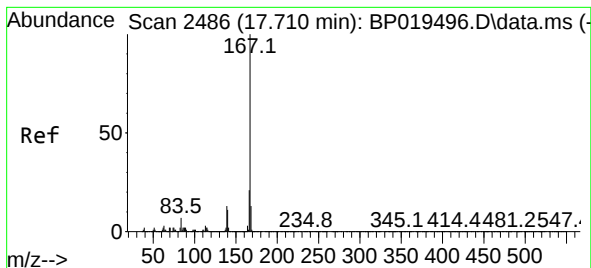


#72
Anthracene
Concen: 9.911 ng
RT: 17.433 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01



Tgt Ion:178 Resp: 261928
Ion Ratio Lower Upper
178 100
176 17.7 14.7 22.1
179 16.0 12.2 18.2





#73

Carbazole

Concen: 4.686 ng

RT: 17.710 min Scan# 2486

Delta R.T. 0.000 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Instrument :

BNA_P

ClientSampleId :

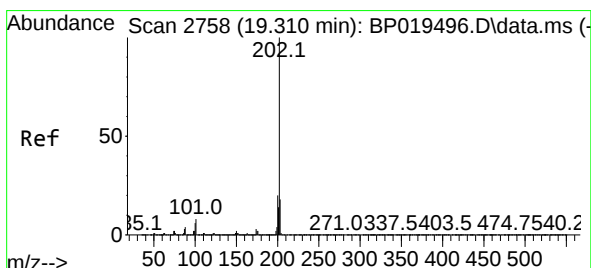
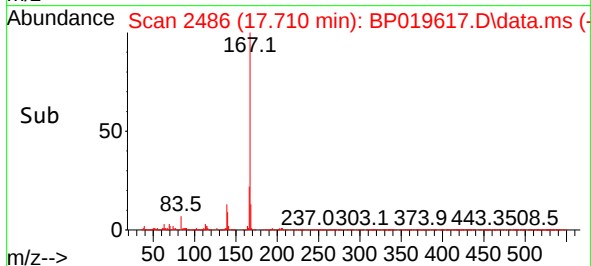
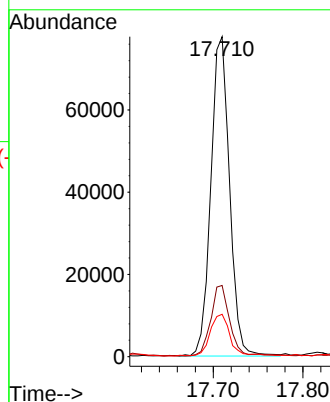
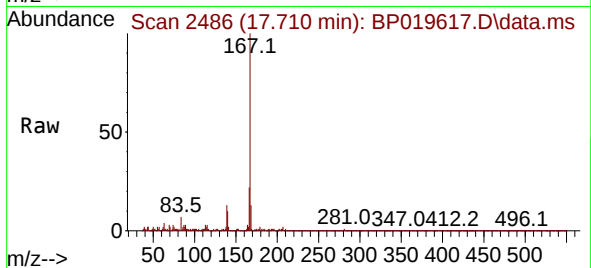
TP-1DL

Tgt Ion:	167	Resp:	112500
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.2	25.8
139	13.3	10.6	15.8

Manual Integrations

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



#75

Fluoranthene

Concen: 55.496 ng

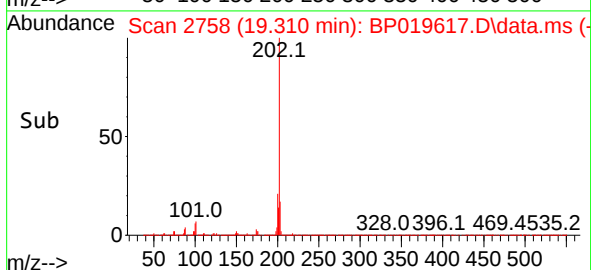
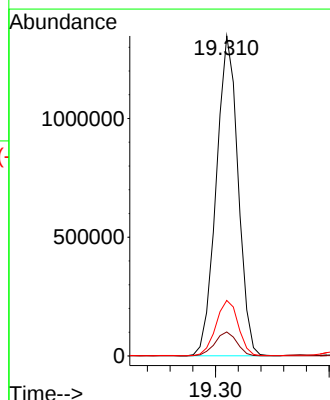
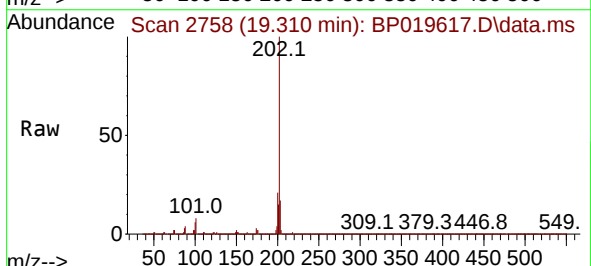
RT: 19.310 min Scan# 2758

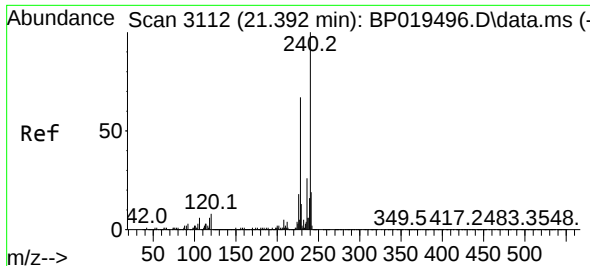
Delta R.T. 0.000 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

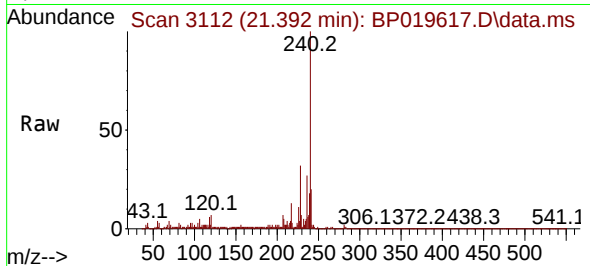
Tgt Ion:	202	Resp:	1795978
Ion Ratio	Lower	Upper	
202	100		
101	7.5	0.0	27.7
203	17.3	0.0	37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

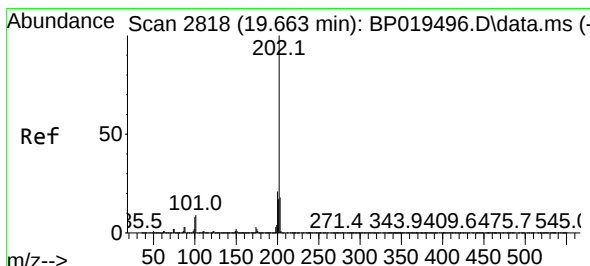
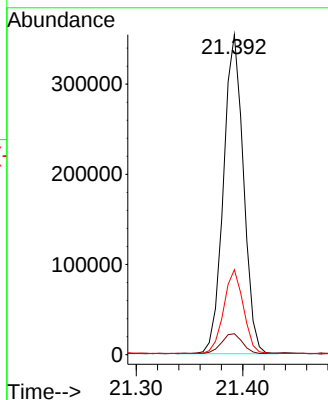
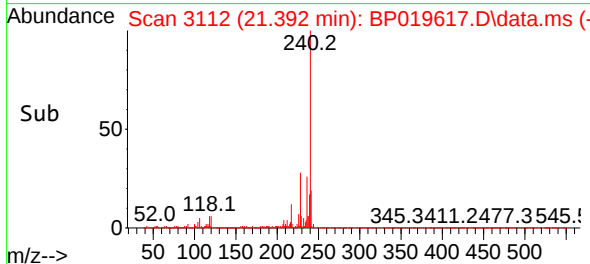
Instrument :
BNA_P
ClientSampleId :
TP-1DL



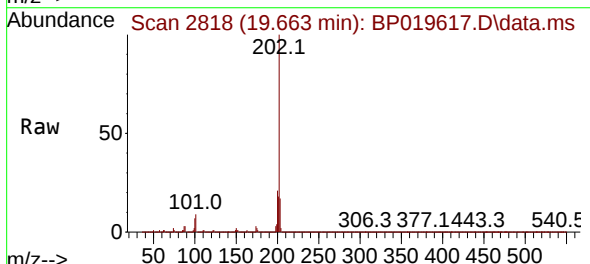
Tgt Ion:240 Resp: 461425
Ion Ratio Lower Upper
240 100
120 6.6 6.1 9.1
236 26.5 20.7 31.1

Manual Integrations
APPROVED

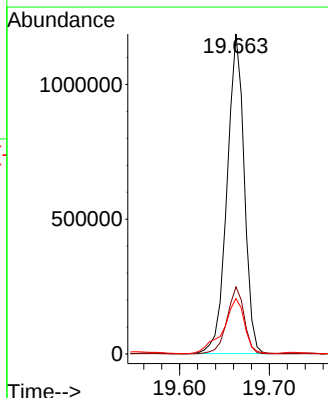
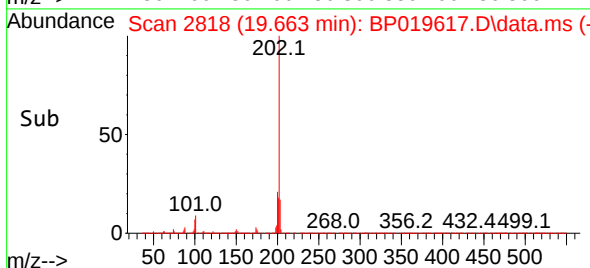
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024

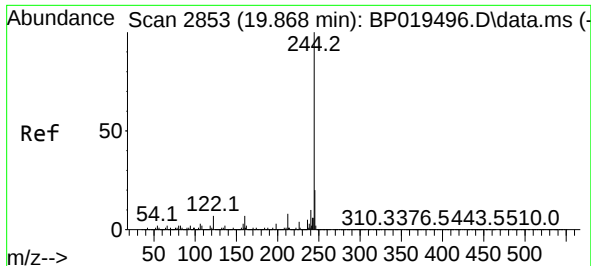


#78
Pyrene
Concen: 48.475 ng
RT: 19.663 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01



Tgt Ion:202 Resp: 1578605
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.3 14.2 21.2





#79
 Terphenyl-d14
 Concen: 13.584 ng
 RT: 19.863 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019617.D
 Acq: 08 Feb 2024 20:01

Instrument :

BNA_P

ClientSampleId :

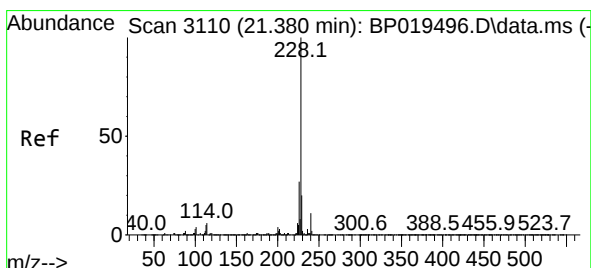
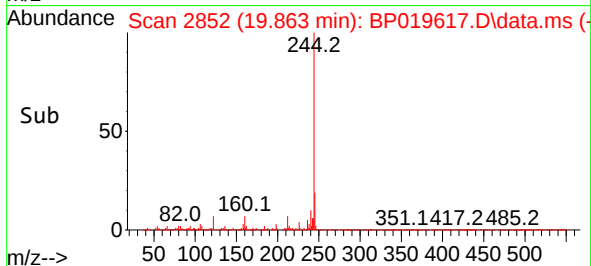
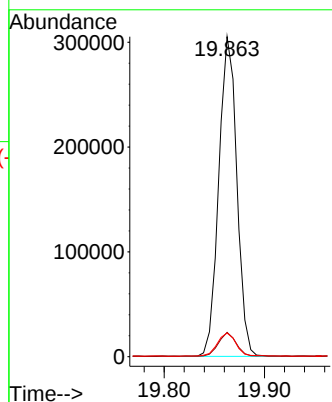
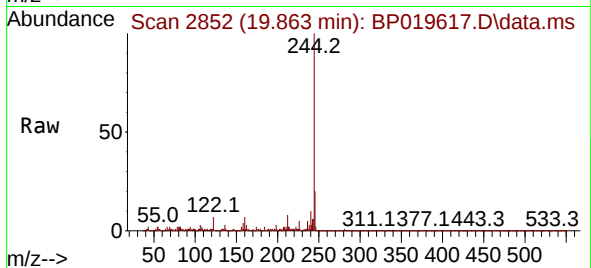
TP-1DL

Tgt Ion:244 Resp: 381138
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 7.4 5.9 8.9

Manual Integrations

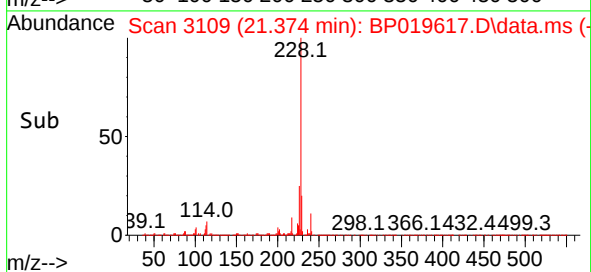
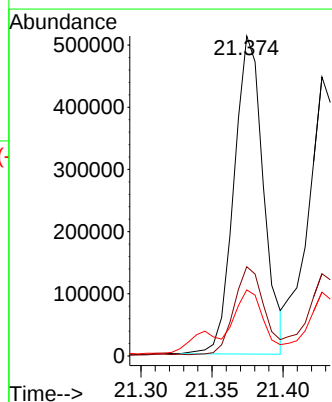
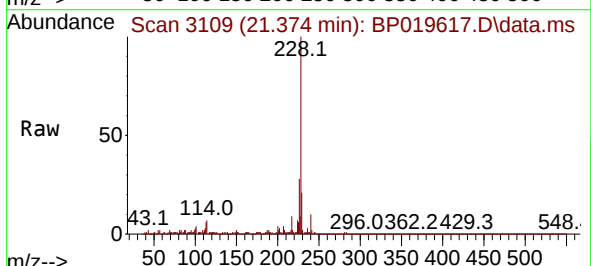
APPROVED

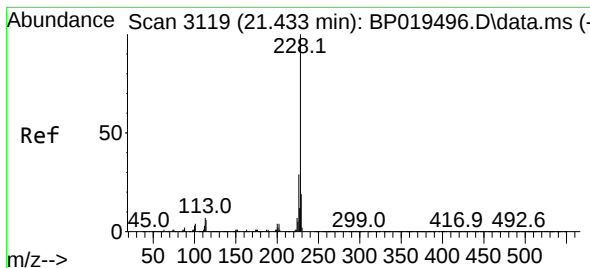
Reviewed By :Jagrut Upadhyay 02/09/2024
 Supervised By :mohammad ahmed 02/09/2024



#81
 Benzo(a)anthracene
 Concen: 22.683 ng
 RT: 21.374 min Scan# 3109
 Delta R.T. -0.006 min
 Lab File: BP019617.D
 Acq: 08 Feb 2024 20:01

Tgt Ion:228 Resp: 736765
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.7 32.5
 229 20.6 15.6 23.4





#83

Chrysene

Concen: 21.664 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Instrument :

BNA_P

ClientSampleId :

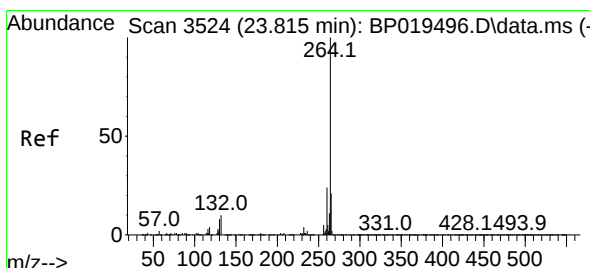
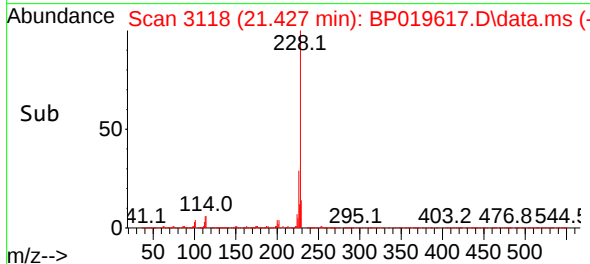
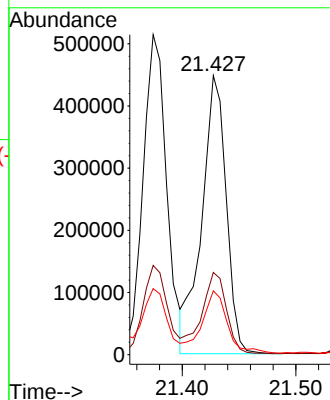
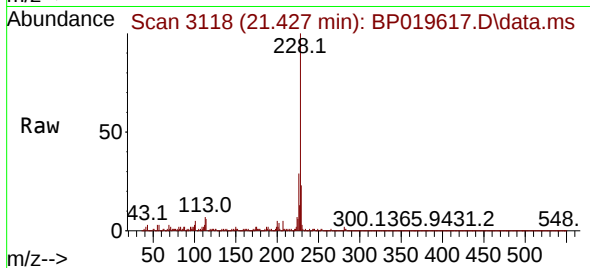
TP-1DL

Tgt Ion:	228	Resp:	66808
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.4	35.2
229	22.9	15.6	23.4

Manual Integrations

APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

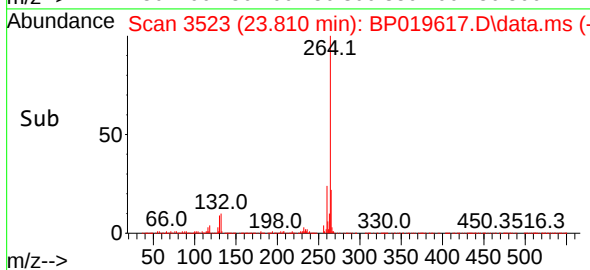
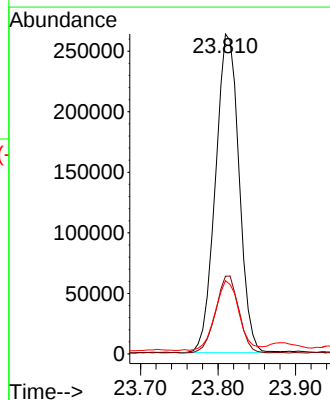
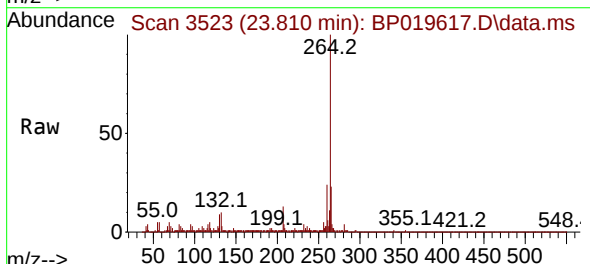
RT: 23.810 min Scan# 3523

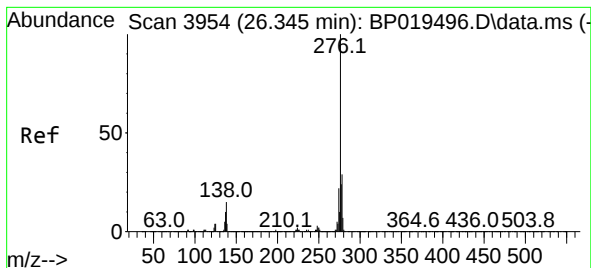
Delta R.T. -0.006 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Tgt Ion:	264	Resp:	556001
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	22.9	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.850 ng

RT: 26.339 min Scan# 3953

Delta R.T. -0.006 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Instrument :

BNA_P

ClientSampleId :

TP-1DL

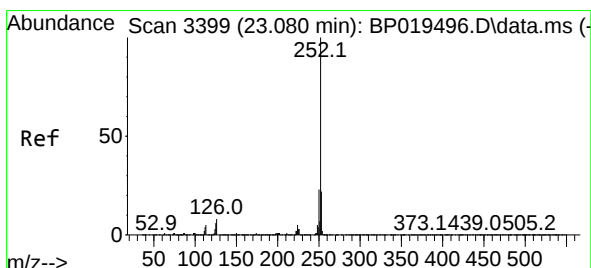
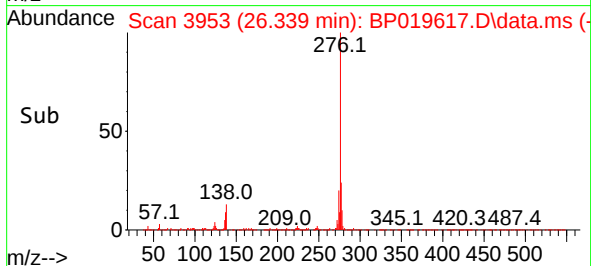
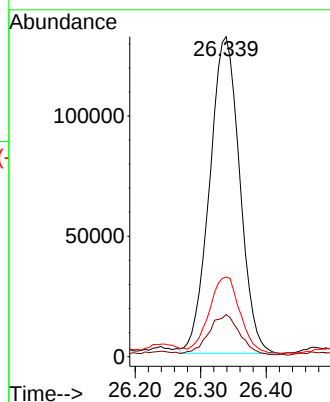
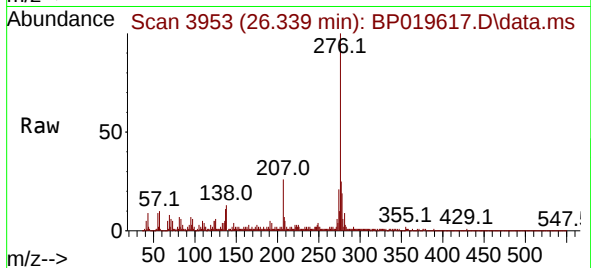
Tgt Ion:276 Resp: 419220

Ion	Ratio	Lower	Upper
276	100		
138	13.1	13.1	19.7
277	25.0	20.3	30.5

Manual Integrations

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



#88

Benzo(b)fluoranthene

Concen: 24.575 ng

RT: 23.080 min Scan# 3399

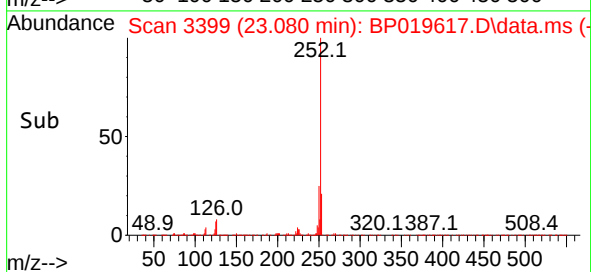
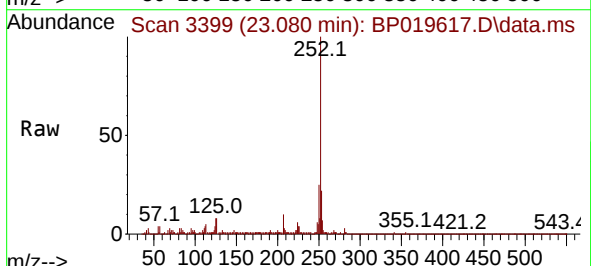
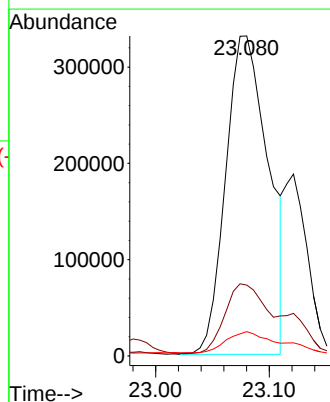
Delta R.T. 0.000 min

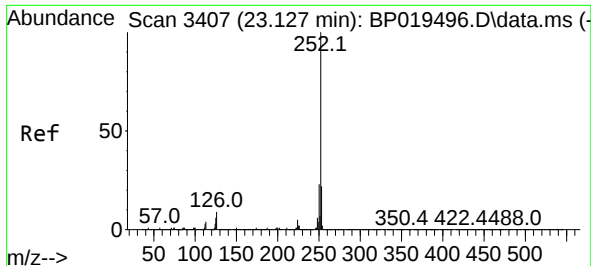
Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Tgt Ion:252 Resp: 861150

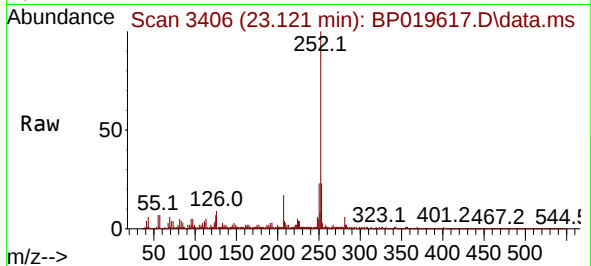
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	7.6	4.9	7.3





#89
Benzo(k)fluoranthene
Concen: 7.738 ng m
RT: 23.121 min Scan# 3406
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

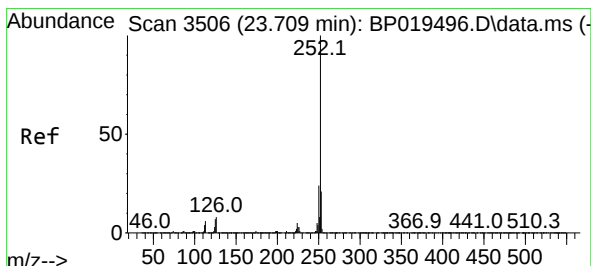
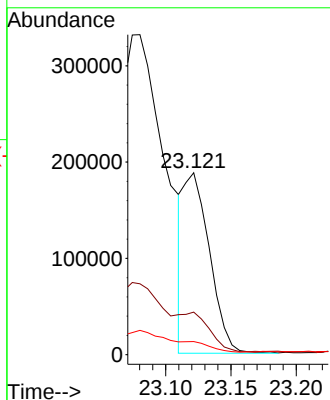
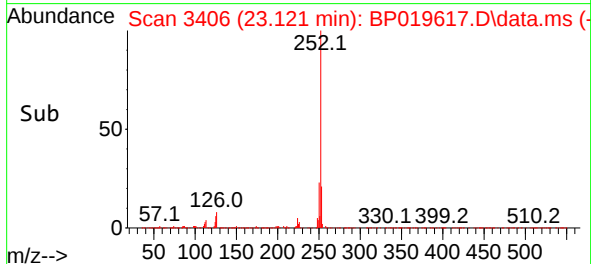
Instrument :
BNA_P
ClientSampleId :
TP-1DL



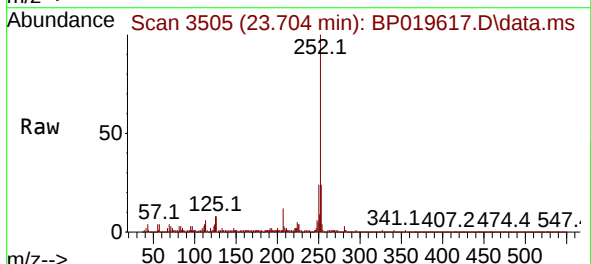
Tgt Ion:252 Resp: 259000
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 7.2 5.0 7.6

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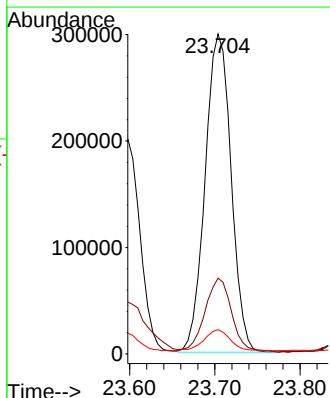
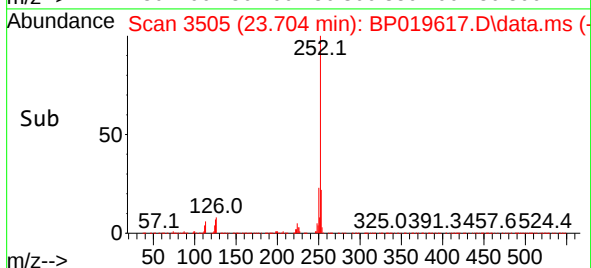
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024

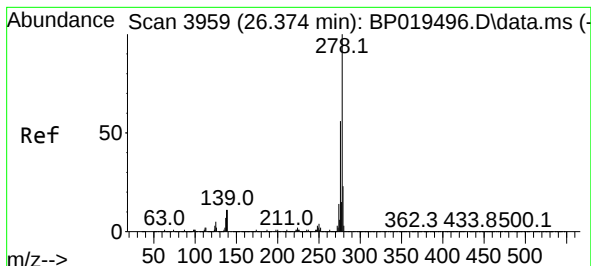


#90
Benzo(a)pyrene
Concen: 20.335 ng
RT: 23.704 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01



Tgt Ion:252 Resp: 634044
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 7.6 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 2.980 ng

RT: 26.351 min Scan# 3955

Delta R.T. -0.023 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Instrument :

BNA_P

ClientSampleId :

TP-1DL

Tgt Ion:278 Resp: 10431

Ion Ratio Lower Upper

278 100

139 18.3 8.6 12.8

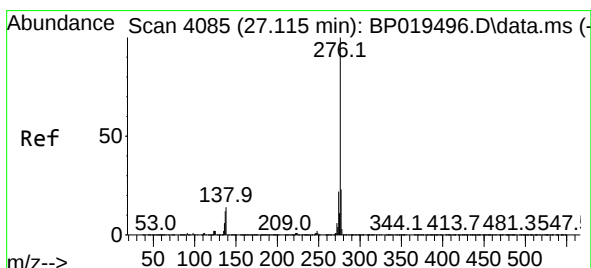
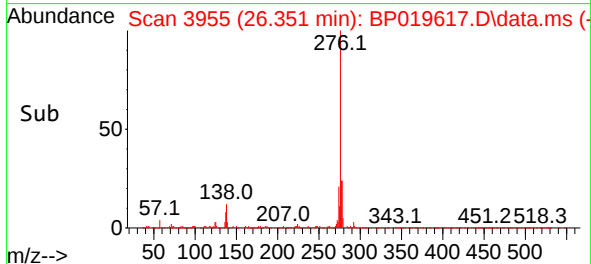
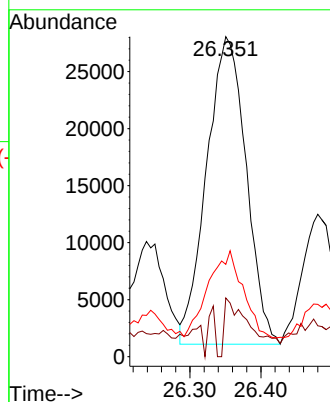
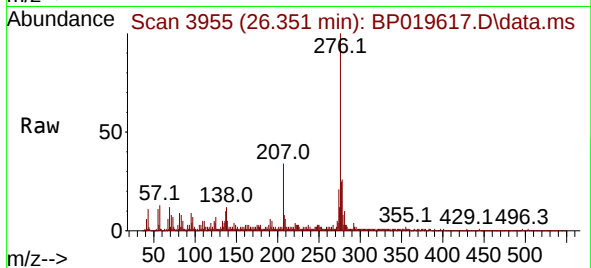
279 28.8 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024

Supervised By :mohammad ahmed 02/09/2024



#92

Benzo(g,h,i)perylene

Concen: 11.251 ng

RT: 27.115 min Scan# 4085

Delta R.T. 0.000 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Tgt Ion:276 Resp: 399523

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 14.4 10.9 16.3

