

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012624\
 Data File : BP019459.D
 Acq On : 26 Jan 2024 21:52
 Operator : MA/JU
 Sample : P1247-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-012424

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/29/2024
 Supervised By :mohammad ahmed 01/30/2024

Quant Time: Jan 27 00:18:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 23:43:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	73730	20.000	ng	-0.01
21) Naphthalene-d8	10.716	136	283934	20.000	ng	-0.01
39) Acenaphthene-d10	14.551	164	177292	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	390763	20.000	ng	0.00
76) Chrysene-d12	21.404	240	365163	20.000	ng	0.00
86) Perylene-d12	23.839	264	404945	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	401541	85.680	ng	-0.01
7) Phenol-d6	7.081	99	547559	79.098	ng	-0.01
23) Nitrobenzene-d5	9.081	82	368440	58.441	ng	-0.02
42) 2,4,6-Tribromophenol	16.045	330	197094	85.843	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	694439	51.915	ng	-0.01
79) Terphenyl-d14	19.880	244	1048526	47.077	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.351	178	186597	8.971	ng	99
72) Anthracene	17.439	178	75564	3.625	ng	97
75) Fluoranthene	19.316	202	419415	15.511	ng	99
78) Pyrene	19.669	202	427964	16.211	ng	100
81) Benzo(a)anthracene	21.386	228	238068	9.090	ng	93
83) Chrysene	21.439	228	211650m	8.607	ng	
87) Indeno(1,2,3-cd)pyrene	26.368	276	135860	5.120	ng	96
88) Benzo(b)fluoranthene	23.098	252	265129	9.783	ng	94
89) Benzo(k)fluoranthene	23.139	252	97079m	3.766	ng	
90) Benzo(a)pyrene	23.727	252	213909	9.232	ng	# 94
92) Benzo(g,h,i)perylene	27.156	276	132610	6.240	ng	98

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

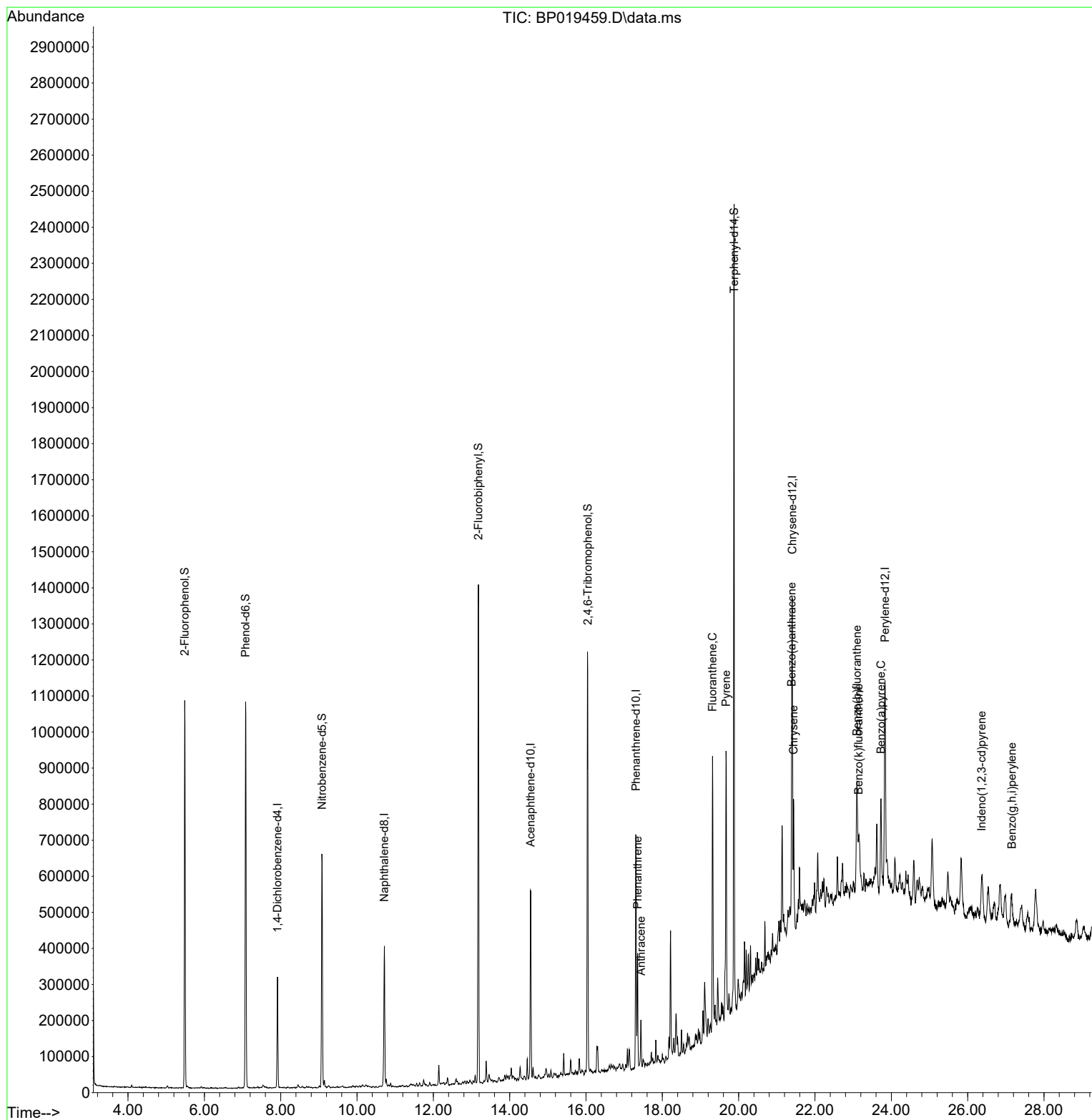
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012624\
Data File : BP019459.D
Acq On : 26 Jan 2024 21:52
Operator : MA/JU
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ALS Vial : 18 Sample Multiplier: 1

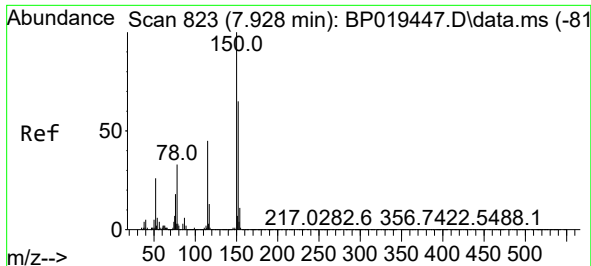
Instrument :
BNA_P
ClientSampleId :
CL-02-012424

Quant Time: Jan 27 00:18:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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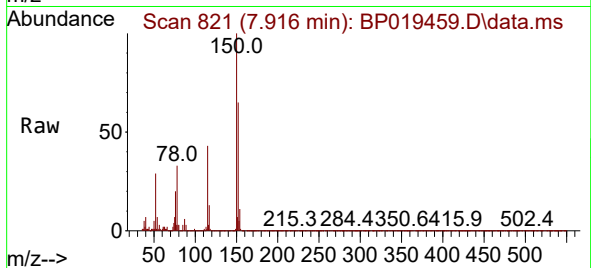
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/30/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

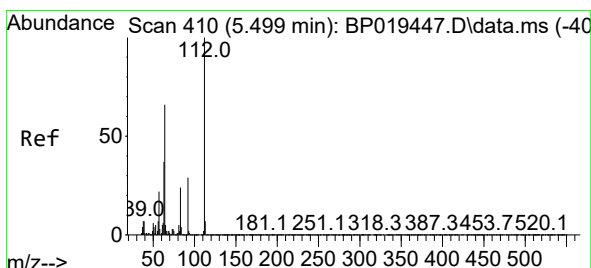
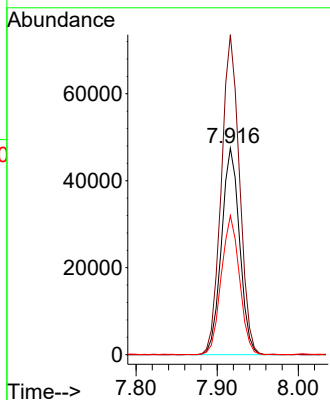
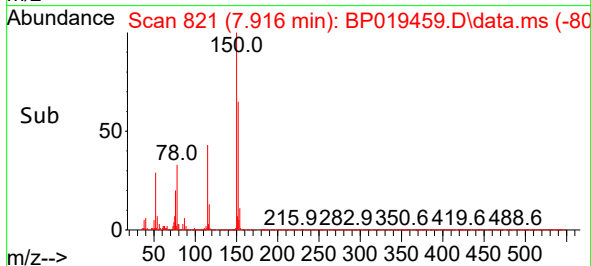
Instrument :
BNA_P
ClientSampleId :
CL-02-012424



Tgt Ion:152 Resp: 73730
Ion Ratio Lower Upper
152 100
150 154.9 123.5 185.3
115 67.3 55.1 82.7

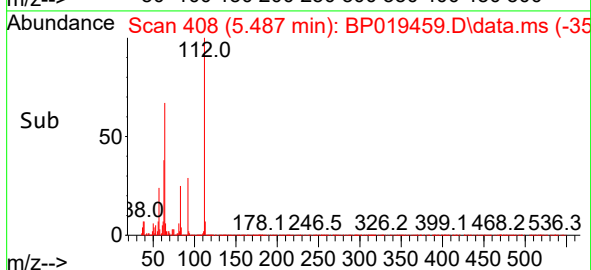
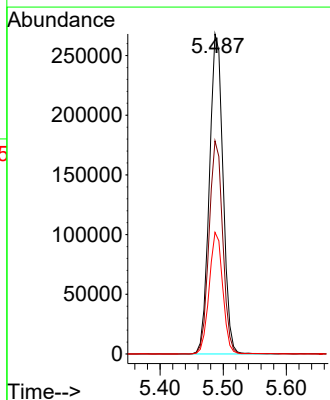
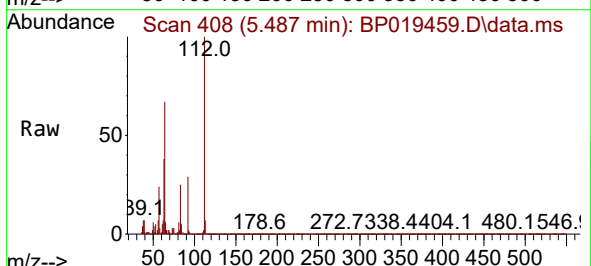
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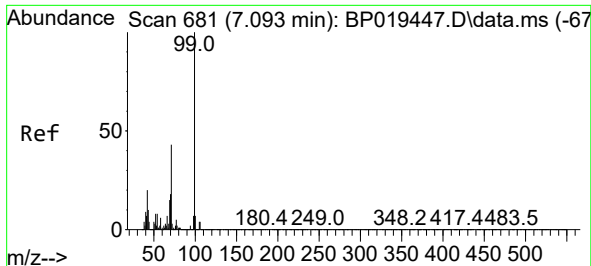
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/30/2024



#5
2-Fluorophenol
Concen: 85.680 ng
RT: 5.487 min Scan# 408
Delta R.T. -0.012 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

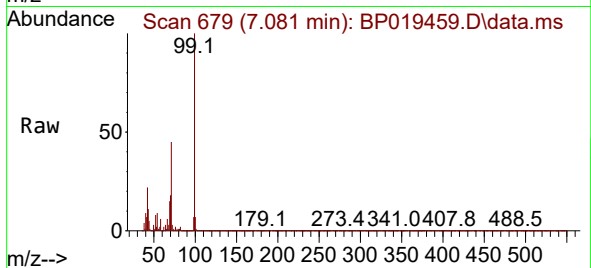
Tgt Ion:112 Resp: 401541
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 38.0 29.4 44.0





#7
Phenol-d6
Concen: 79.098 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

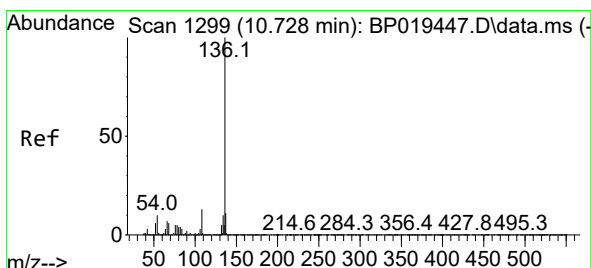
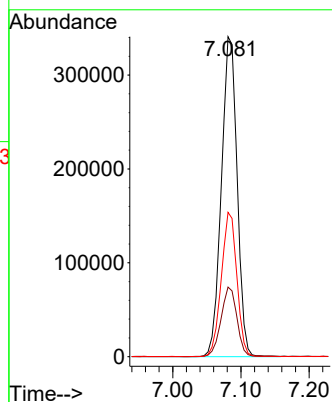
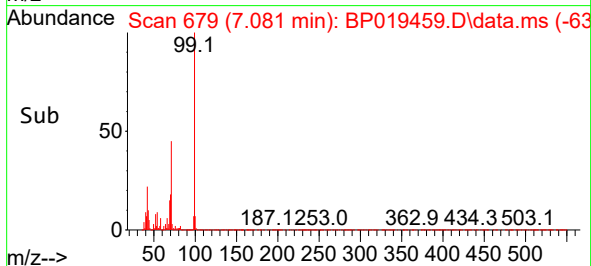
Instrument :
BNA_P
ClientSampleId :
CL-02-012424



Tgt Ion: 99 Resp: 547559
Ion Ratio Lower Upper
99 100
42 21.7 16.4 24.6
71 45.1 34.6 52.0

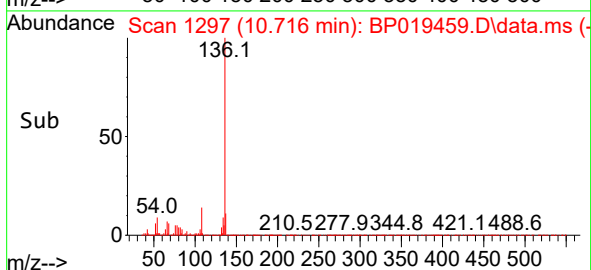
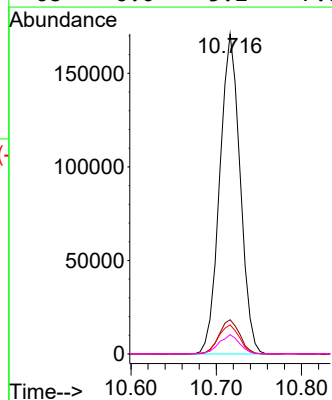
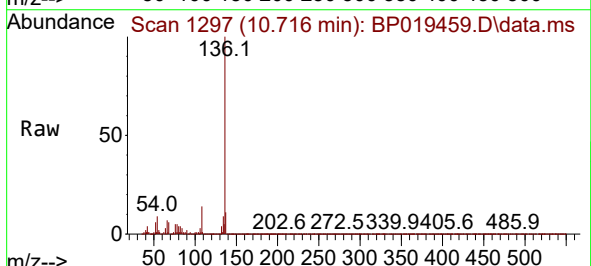
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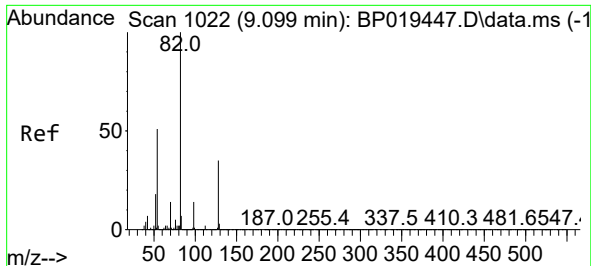
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/30/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1297
Delta R.T. -0.012 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

Tgt Ion:136 Resp: 283934
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.1 7.8 11.6
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 58.441 ng

RT: 9.081 min Scan# 1019

Delta R.T. -0.018 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

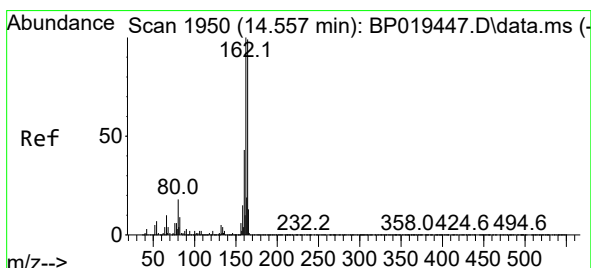
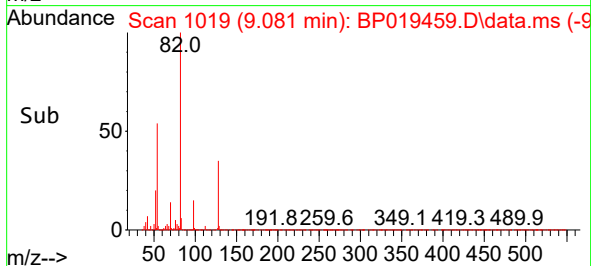
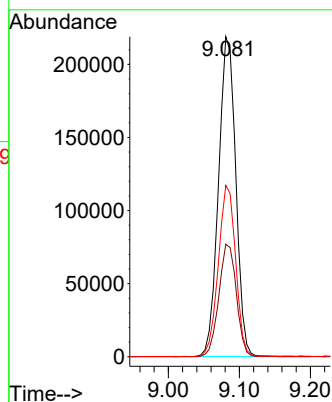
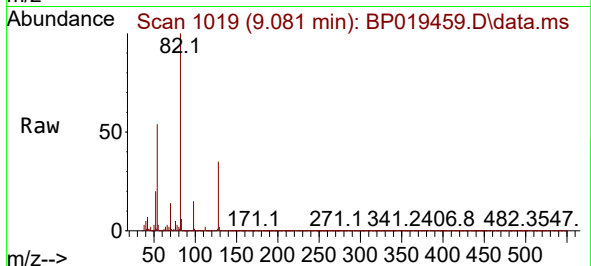
ClientSampleId :

CL-02-012424

Tgt Ion: 82 Resp: 368440
 Ion Ratio Lower Upper
 82 100
 128 35.2 28.2 42.2
 54 53.5 41.1 61.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

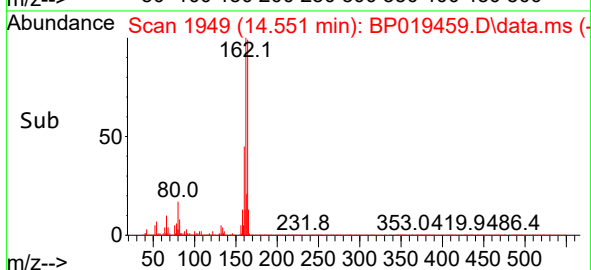
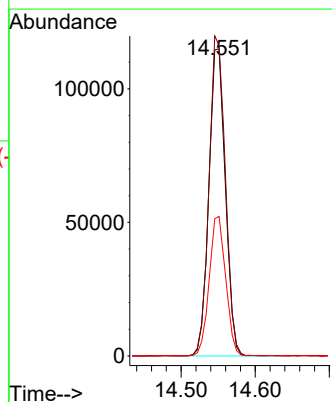
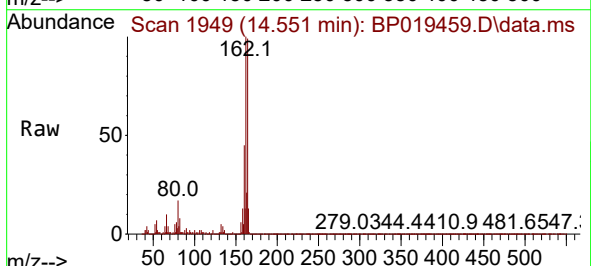
RT: 14.551 min Scan# 1949

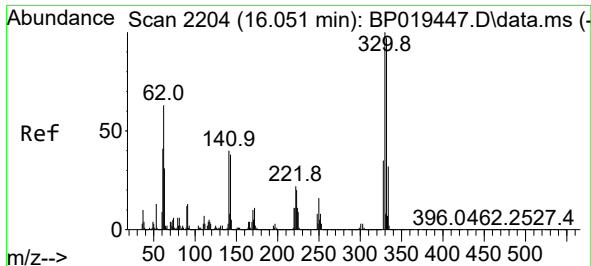
Delta R.T. -0.006 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Tgt Ion:164 Resp: 177292
 Ion Ratio Lower Upper
 164 100
 162 101.1 80.8 121.2
 160 45.4 35.0 52.6





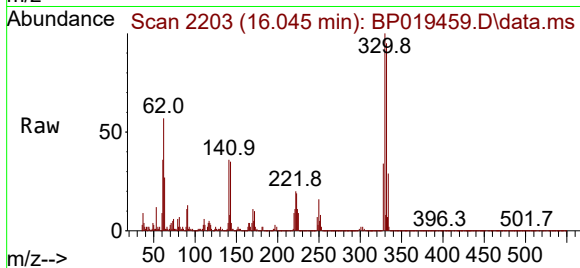
#42
2,4,6-Tribromophenol
Concen: 85.843 ng
RT: 16.045 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

CL-02-012424

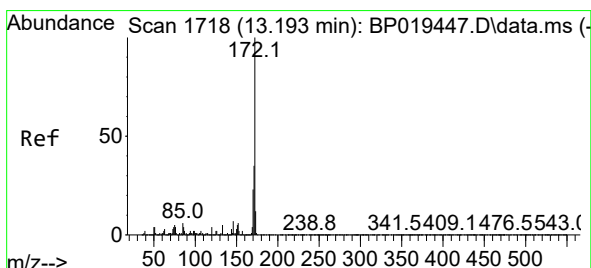
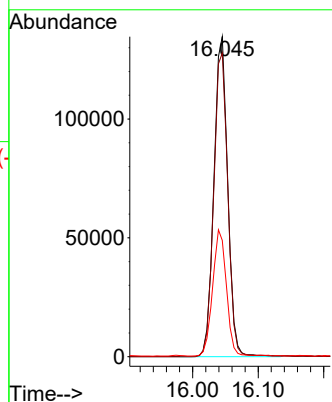
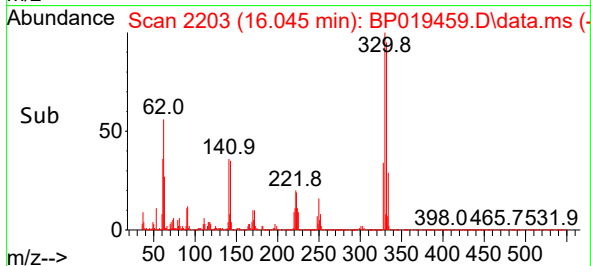


Tgt Ion:330 Resp: 197094
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 39.4 30.9 46.3

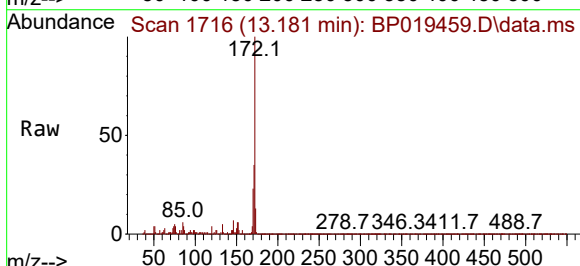
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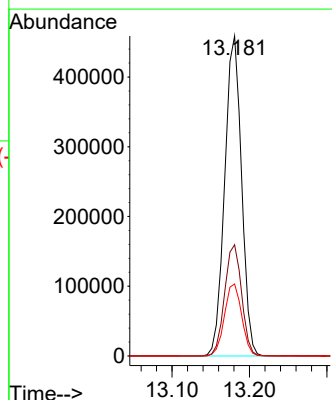
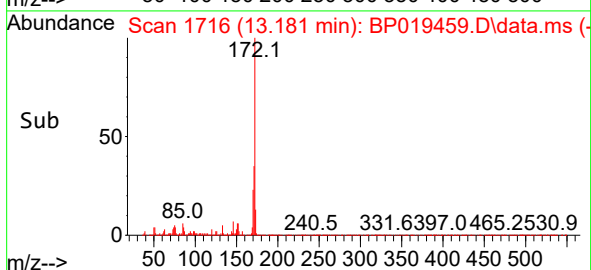
Reviewed By :Jagrut Upadhyay 01/29/2024
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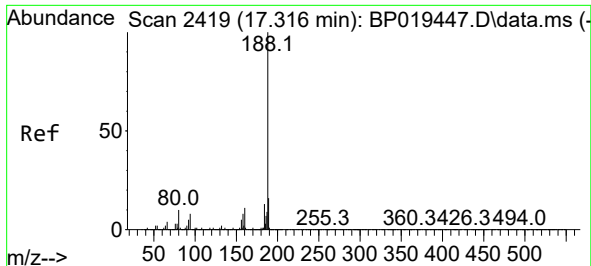


#45
2-Fluorobiphenyl
Concen: 51.915 ng
RT: 13.181 min Scan# 1716
Delta R.T. -0.012 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52



Tgt Ion:172 Resp: 694439
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 22.5 18.7 28.1





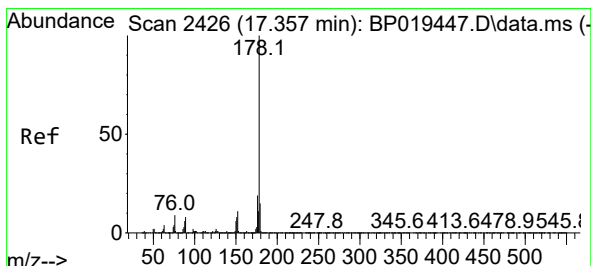
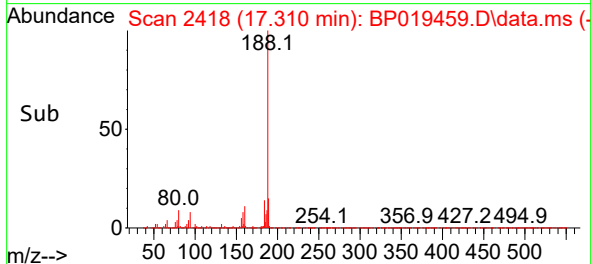
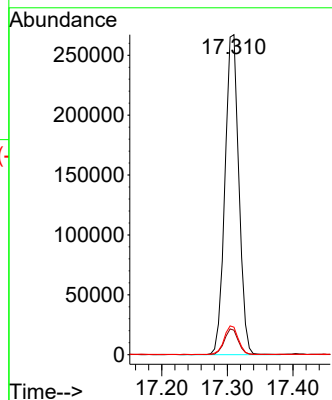
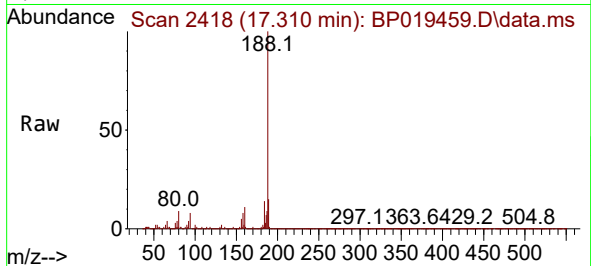
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

Instrument :
BNA_P
ClientSampleId :
CL-02-012424

Tgt Ion:188 Resp: 39076
Ion Ratio Lower Upper
188 100
94 7.6 6.2 9.2
80 8.6 8.1 12.1

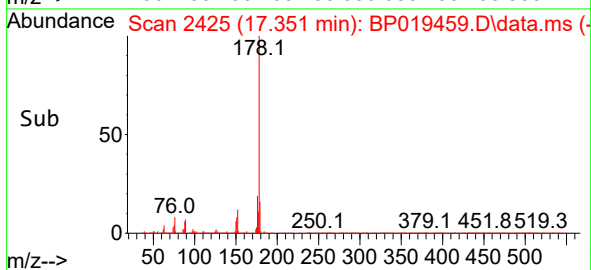
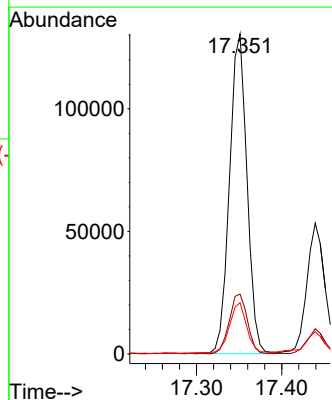
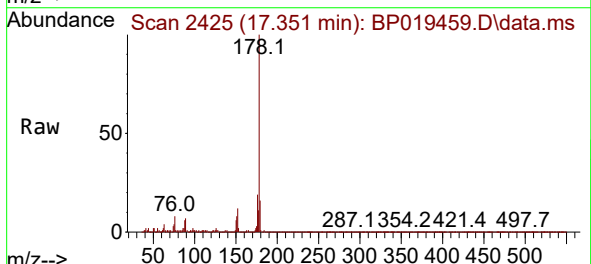
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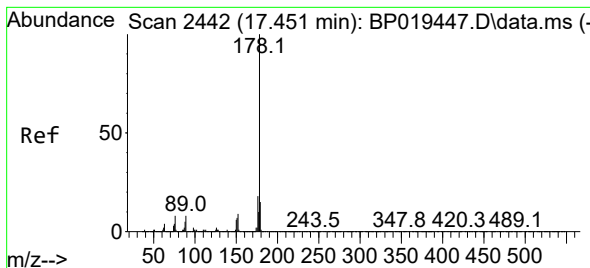
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/30/2024



#71
Phenanthrene
Concen: 8.971 ng
RT: 17.351 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

Tgt Ion:178 Resp: 186597
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 16.0 12.2 18.4





#72

Anthracene

Concen: 3.625 ng

RT: 17.439 min Scan# 2442

Delta R.T. -0.012 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

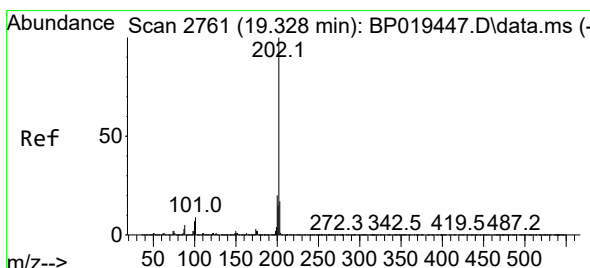
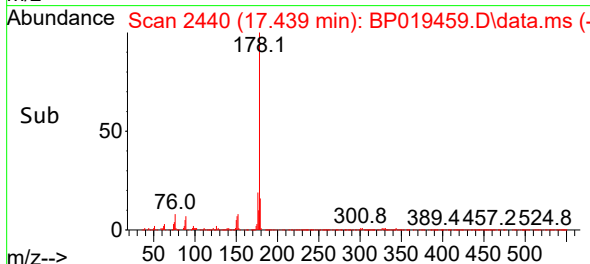
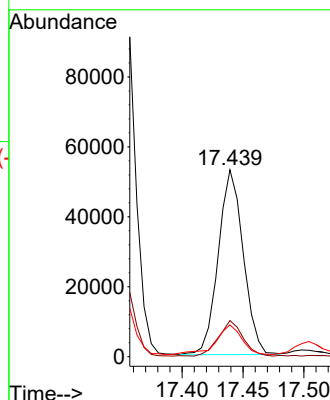
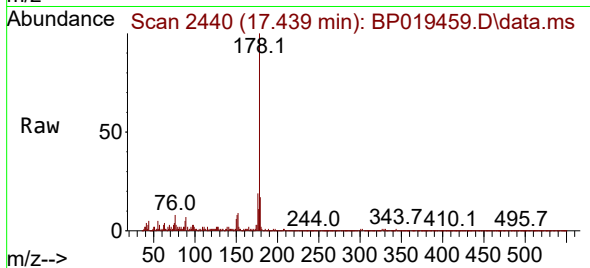
CL-02-012424

Tgt Ion:178 Resp: 75564
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.7 22.1
 179 17.0 12.2 18.2

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Reviewed By :Jagrut Upadhyay 01/29/2024
 Supervised By :mohammad ahmed 01/30/2024



#75

Fluoranthene

Concen: 15.511 ng

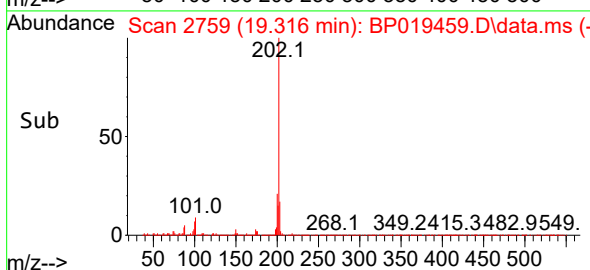
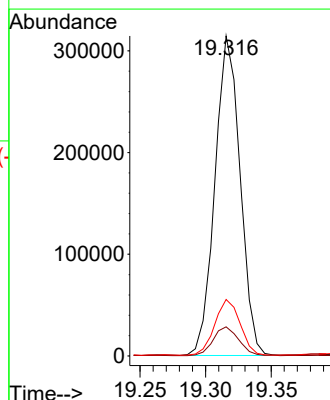
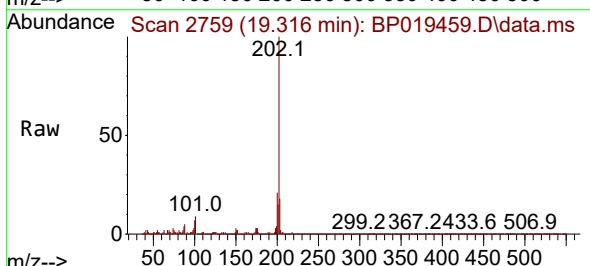
RT: 19.316 min Scan# 2759

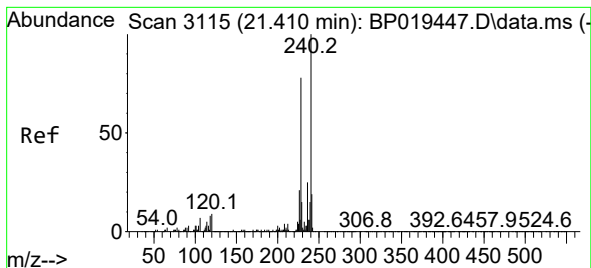
Delta R.T. -0.012 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Tgt Ion:202 Resp: 419415
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 29.1
 203 17.6 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.404 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

CL-02-012424

Tgt Ion:240 Resp: 36516

Ion Ratio Lower Upper

240 100

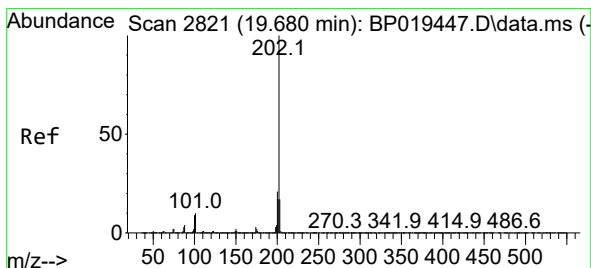
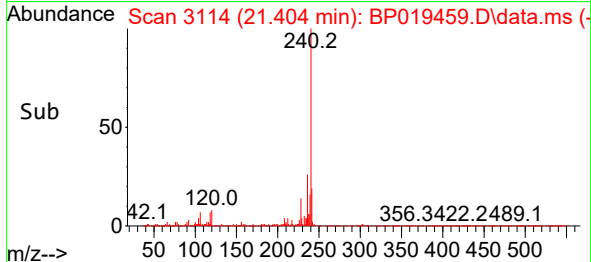
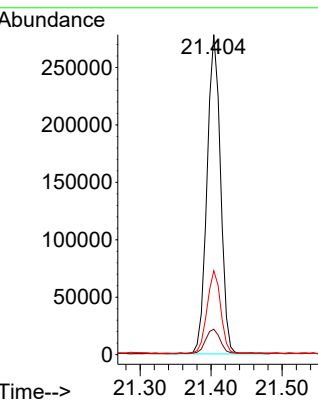
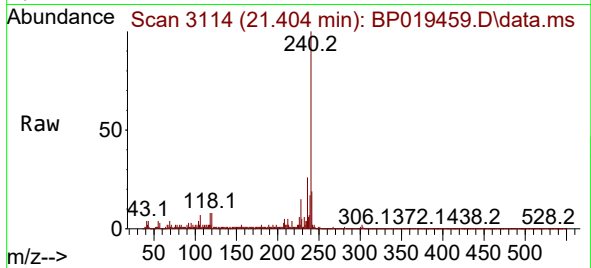
120 7.9 6.9 10.3

236 26.3 19.8 29.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/30/2024



#78

Pyrene

Concen: 16.211 ng

RT: 19.669 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

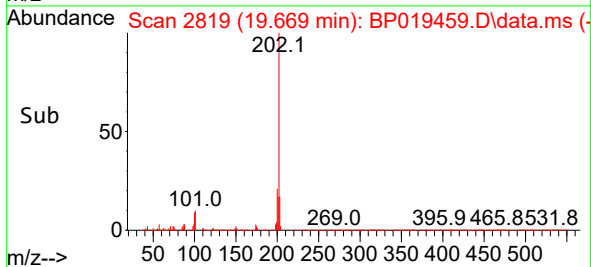
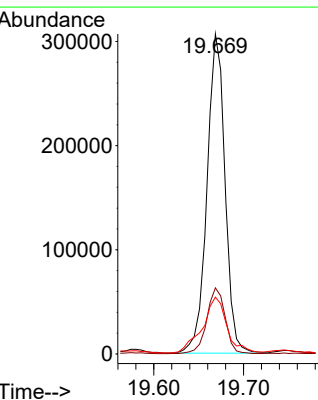
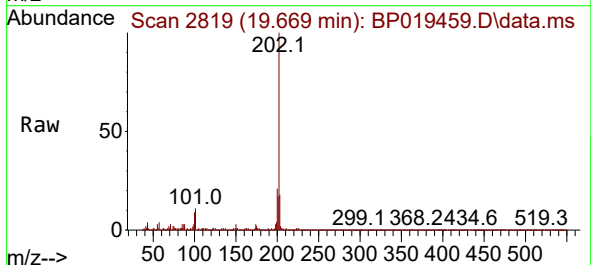
Tgt Ion:202 Resp: 427964

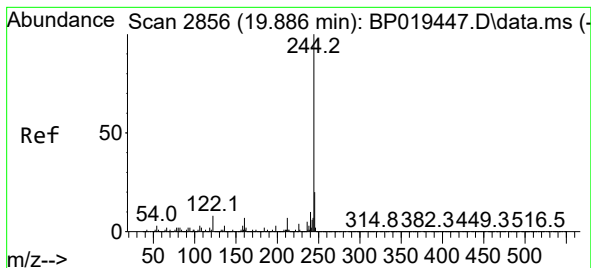
Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

203 17.8 13.9 20.9





#79

Terphenyl-d14

Concen: 47.077 ng

RT: 19.880 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

CL-02-012424

Tgt Ion:244 Resp: 1048520

Ion Ratio Lower Upper

244 100

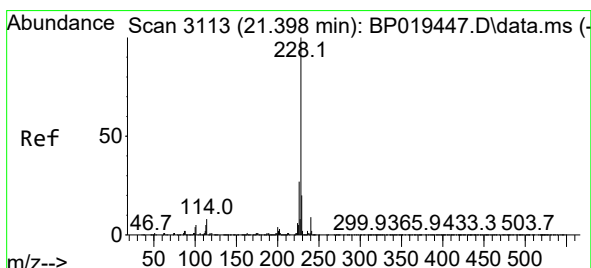
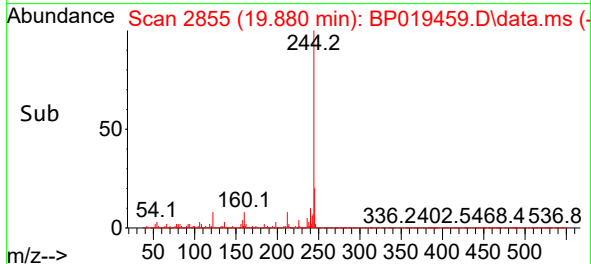
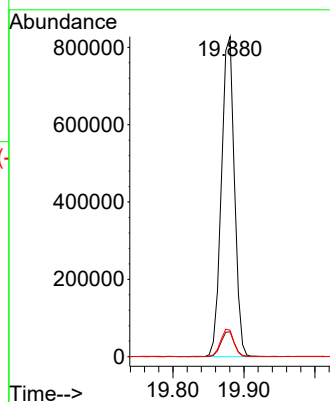
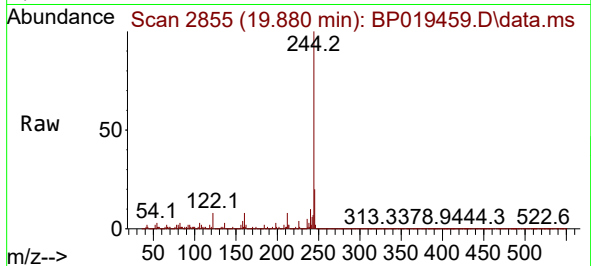
212 7.8 5.8 8.8

122 8.3 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/30/2024



#81

Benzo(a)anthracene

Concen: 9.090 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.012 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

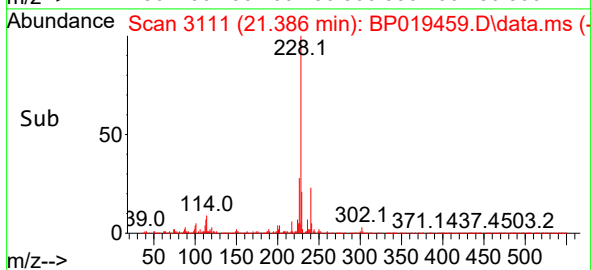
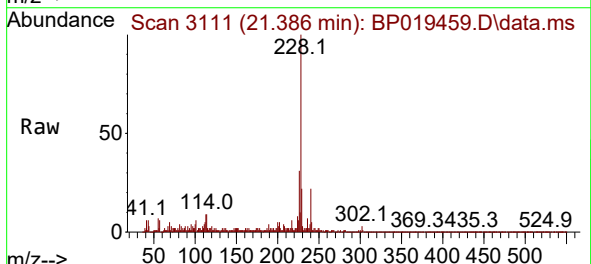
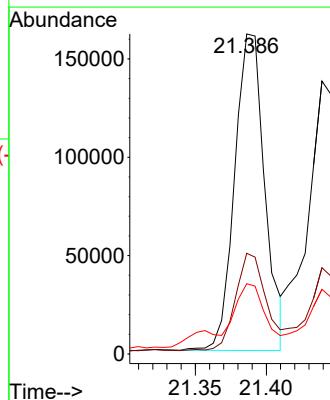
Tgt Ion:228 Resp: 238068

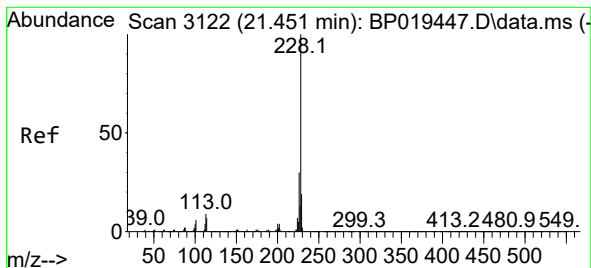
Ion Ratio Lower Upper

228 100

226 31.5 21.4 32.2

229 22.0 15.7 23.5





#83

Chrysene

Concen: 8.607 ng m

RT: 21.439 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

CL-02-012424

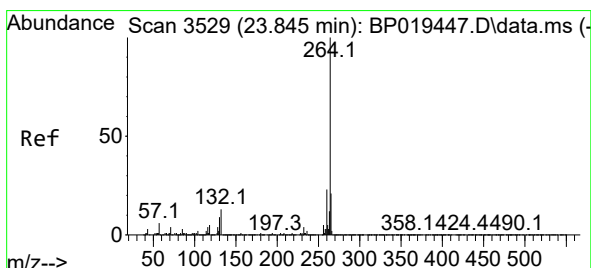
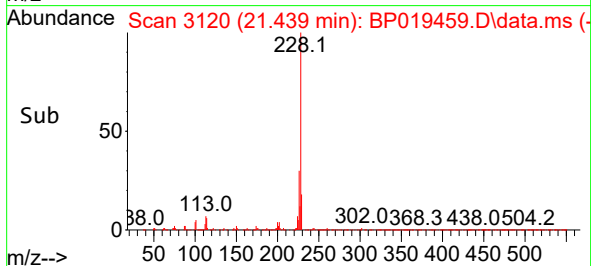
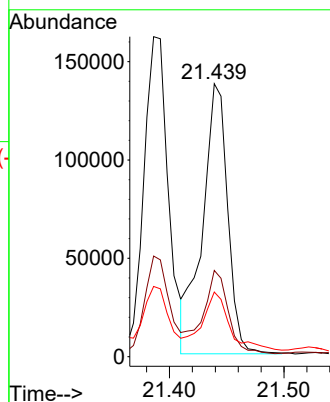
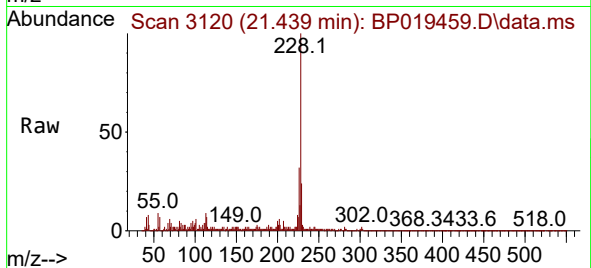
Tgt Ion:228 Resp: 211650

Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.9	35.9
229	23.7	15.4	23.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/30/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.839 min Scan# 3528

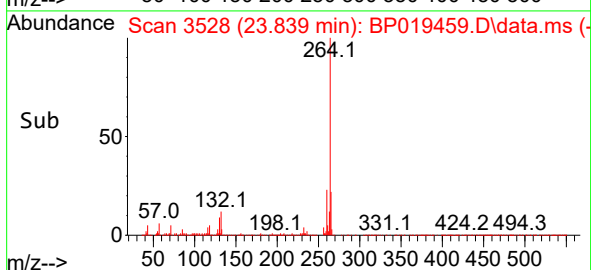
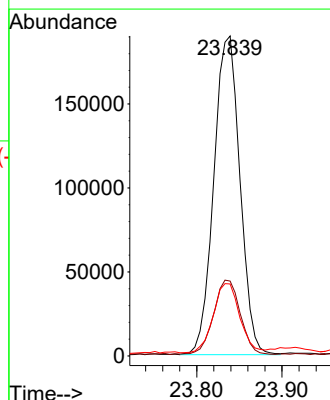
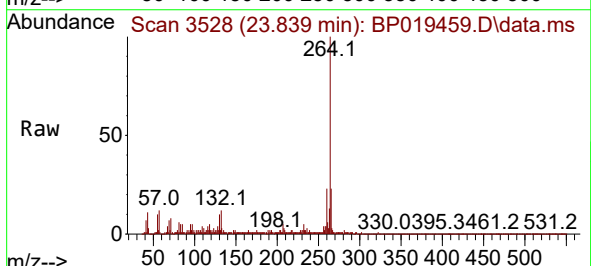
Delta R.T. -0.006 min

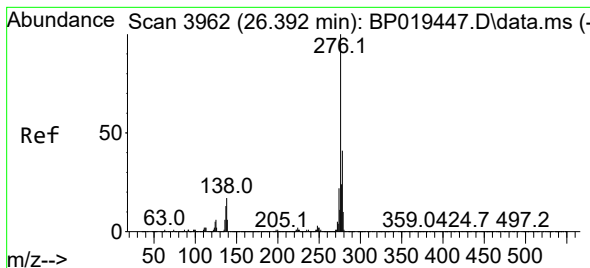
Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Tgt Ion:264 Resp: 404945

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	22.5	16.4	24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.120 ng

RT: 26.368 min Scan# 3958

Delta R.T. -0.024 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

CL-02-012424

Tgt Ion:276 Resp: 135860

Ion Ratio Lower Upper

276 100

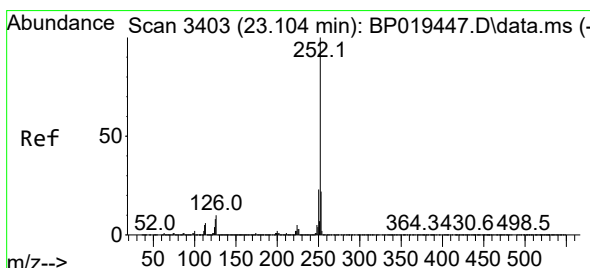
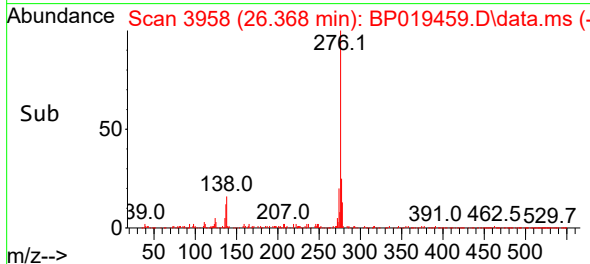
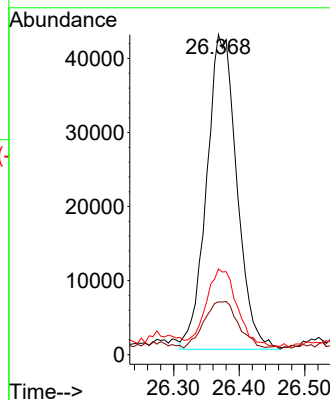
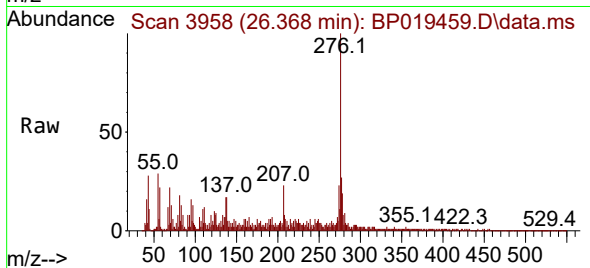
138 16.6 15.5 23.3

277 24.9 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/30/2024



#88

Benzo(b)fluoranthene

Concen: 9.783 ng

RT: 23.098 min Scan# 3402

Delta R.T. -0.006 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

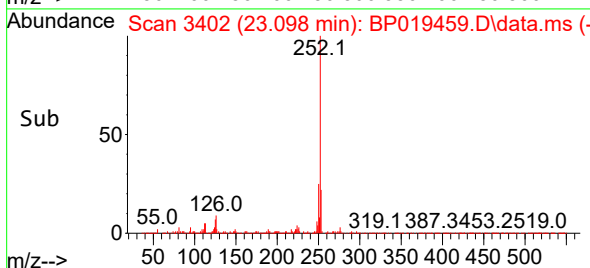
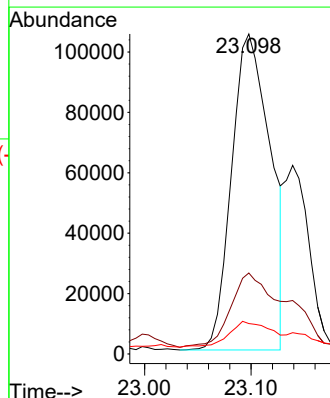
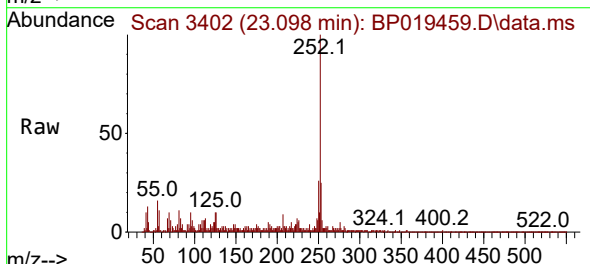
Tgt Ion:252 Resp: 265129

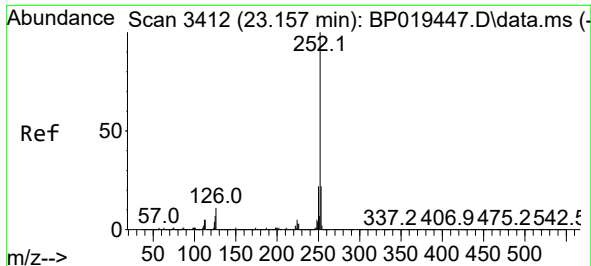
Ion Ratio Lower Upper

252 100

253 25.3 17.6 26.4

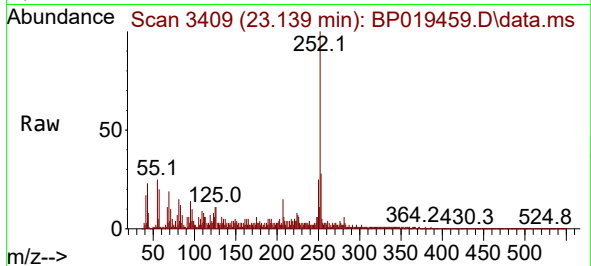
125 9.5 6.5 9.7





#89
Benzo(k)fluoranthene
Concen: 3.766 ng m
RT: 23.139 min Scan# 3412
Delta R.T. -0.018 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

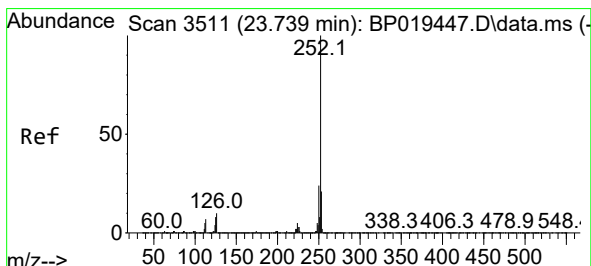
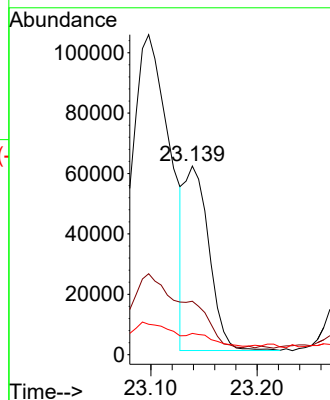
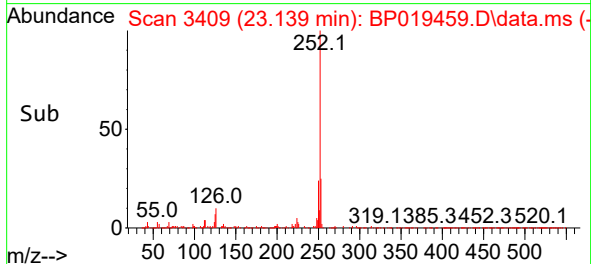
Instrument :
BNA_P
ClientSampleId :
CL-02-012424



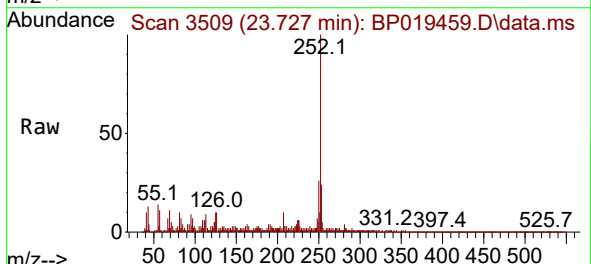
Tgt Ion:252 Resp: 97079
Ion Ratio Lower Upper
252 100
253 28.4 17.6 26.4
125 11.3 5.9 8.9

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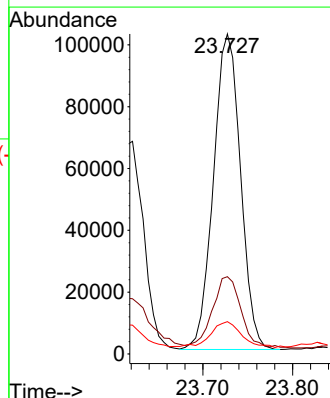
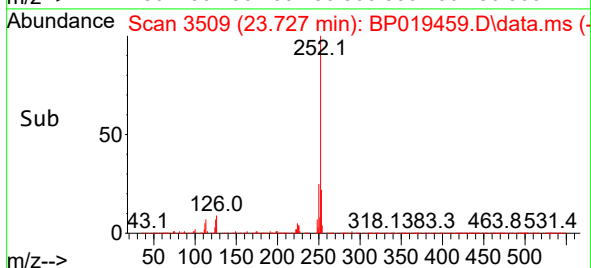
Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/30/2024

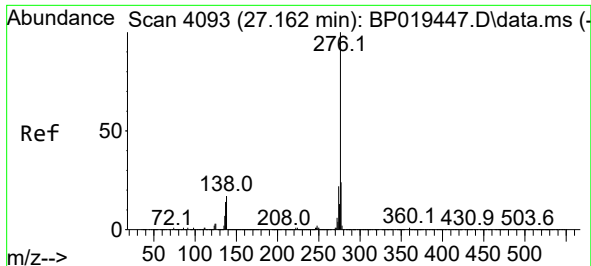


#90
Benzo(a)pyrene
Concen: 9.232 ng
RT: 23.727 min Scan# 3509
Delta R.T. -0.012 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52



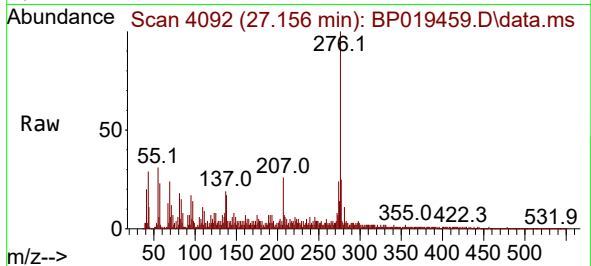
Tgt Ion:252 Resp: 213909
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.4
125 10.1 6.6 10.0





#92
Benzo(g,h,i)perylene
Concen: 6.240 ng
RT: 27.156 min Scan# 4092
Delta R.T. -0.006 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

Instrument :
BNA_P
ClientSampleId :
CL-02-012424



Tgt Ion: 276 Resp: 132610
Ion Ratio Lower Upper
276 100
277 25.2 18.9 28.3
138 17.4 13.9 20.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/29/2024
Supervised By :mohammad ahmed 01/30/2024

