

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
 Data File : BP019822.D
 Acq On : 22 Feb 2024 13:50
 Operator : MA/JU
 Sample : P1537-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 10

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/23/2024
 Supervised By :mohammad ahmed 02/23/2024

Quant Time: Feb 22 14:14:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 19 23:35:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	70587	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	264294	20.000	ng	0.00
39) Acenaphthene-d10	14.528	164	184820	20.000	ng	-0.01
64) Phenanthrene-d10	17.286	188	432573	20.000	ng	0.00
76) Chrysene-d12	21.380	240	432004	20.000	ng	-0.01
86) Perylene-d12	23.798	264	490720	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	431499	98.537	ng	0.00
7) Phenol-d6	7.063	99	557955	94.496	ng	0.00
23) Nitrobenzene-d5	9.063	82	387270	63.494	ng	0.00
42) 2,4,6-Tribromophenol	16.022	330	350975	130.063	ng	-0.01
45) 2-Fluorobiphenyl	13.151	172	900282	60.218	ng	-0.01
79) Terphenyl-d14	19.851	244	1686124	64.187	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.328	178	200142	8.792	ng	99
72) Anthracene	17.422	178	55301	2.435	ng	96
75) Fluoranthene	19.298	202	440377	15.835	ng	99
78) Pyrene	19.651	202	386271	12.669	ng	99
81) Benzo(a)anthracene	21.363	228	218375	7.181	ng	97
83) Chrysene	21.416	228	215350	7.459	ng	97
87) Indeno(1,2,3-cd)pyrene	26.321	276	128254	3.414	ng	# 96
88) Benzo(b)fluoranthene	23.063	252	272231	8.802	ng	# 92
89) Benzo(k)fluoranthene	23.104	252	73398m	2.484	ng	
90) Benzo(a)pyrene	23.692	252	184312	6.698	ng	96
92) Benzo(g,h,i)perylene	27.103	276	129485	4.131	ng	97

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

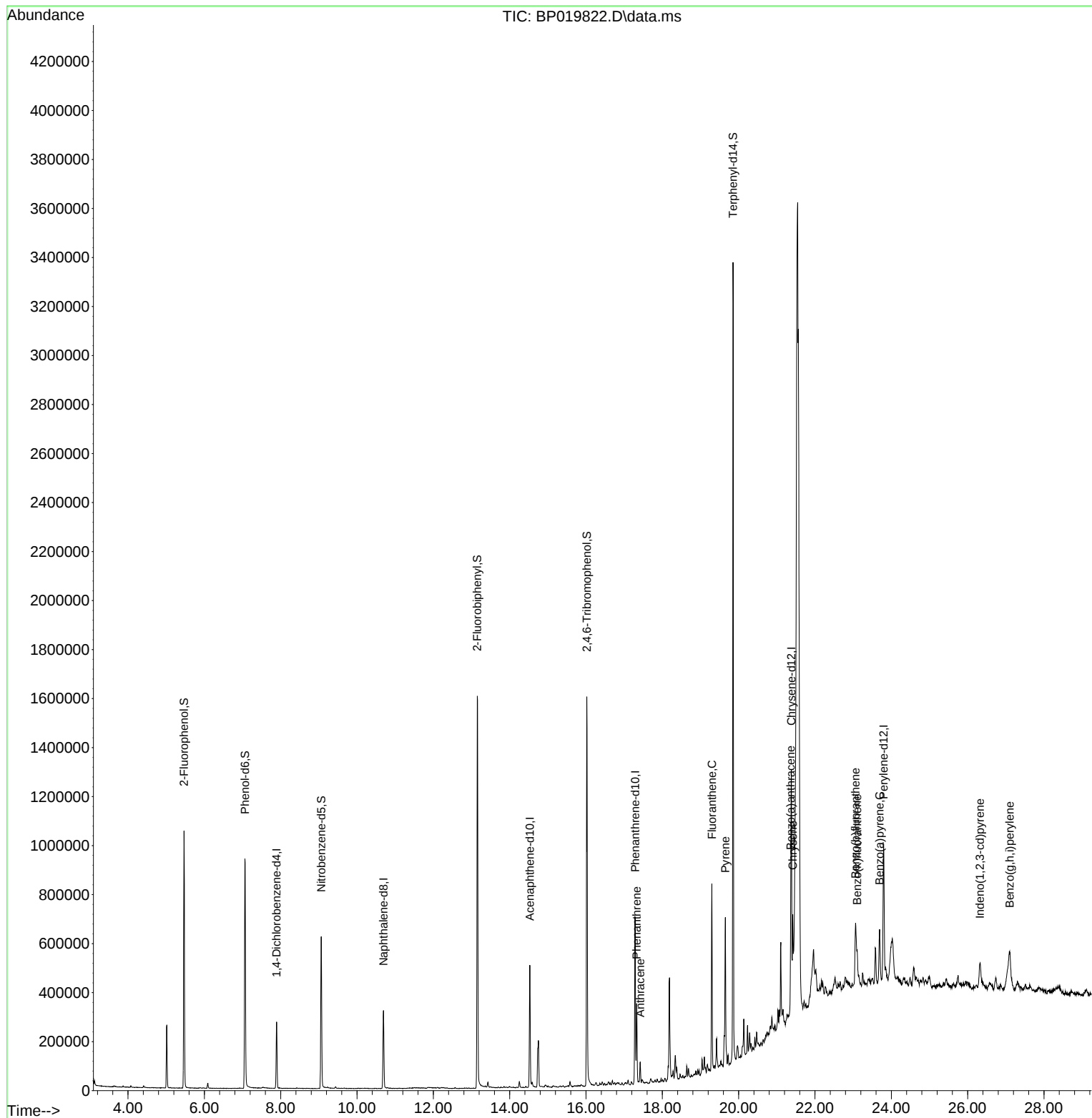
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
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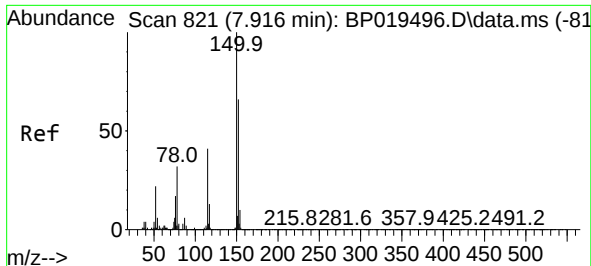
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ClientSampleId :
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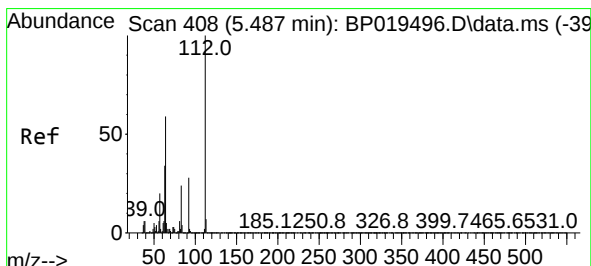
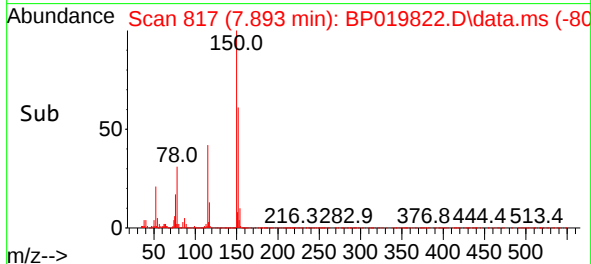
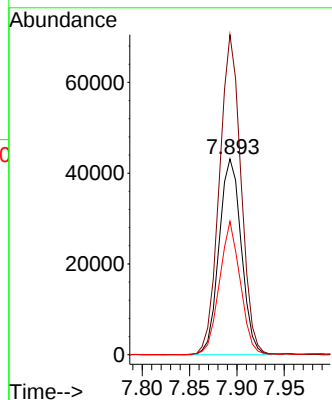
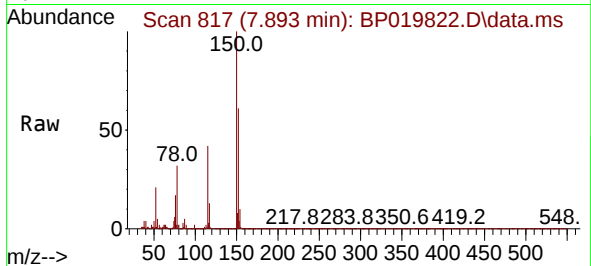
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019822.D
Acq: 22 Feb 2024 13:50

Instrument :
BNA_P
ClientSampleId :
10

Tgt Ion:152 Resp: 7058
Ion Ratio Lower Upper
152 100
150 163.5 121.8 182.8
115 68.1 49.9 74.9

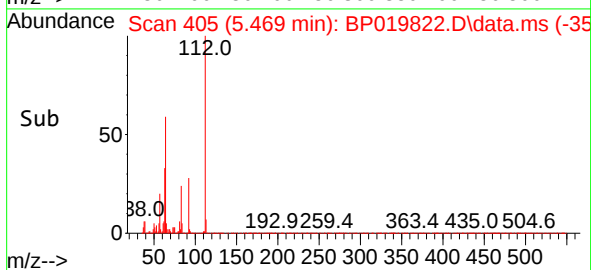
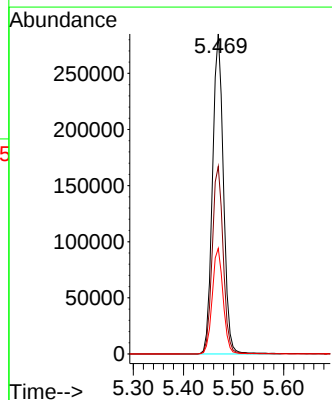
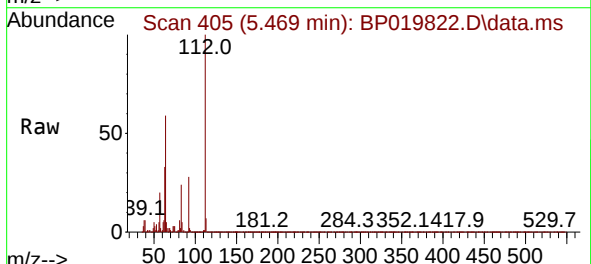
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#5
2-Fluorophenol
Concen: 98.537 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019822.D
Acq: 22 Feb 2024 13:50

Tgt Ion:112 Resp: 431499
Ion Ratio Lower Upper
112 100
64 58.6 47.4 71.0
63 33.0 27.0 40.6





#7

Phenol-d6

Concen: 94.496 ng

RT: 7.063 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP019822.D

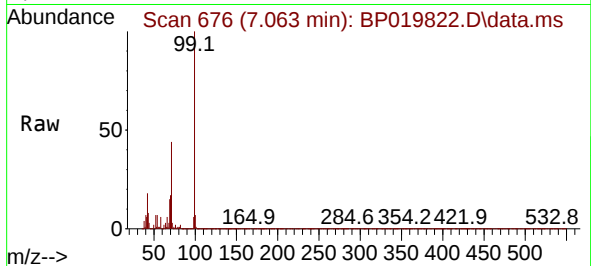
Acq: 22 Feb 2024 13:50

Instrument :

BNA_P

ClientSampleId :

10



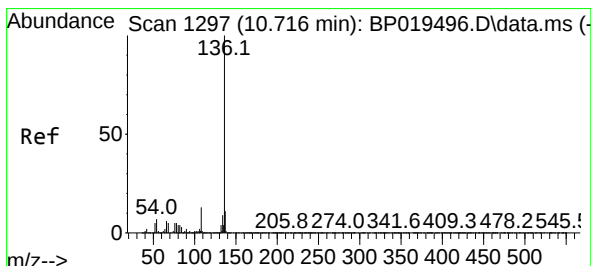
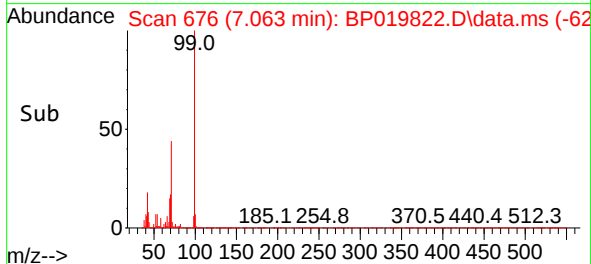
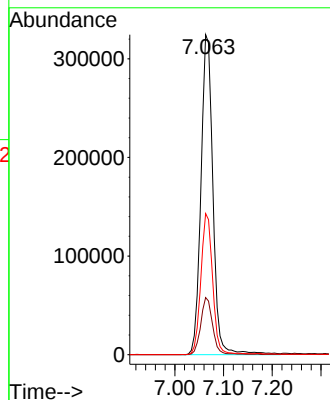
Tgt Ion:	99	Ratio	100	Lower	Upper
42	17.9	14.7	22.1		
71	44.1	34.8	52.2		

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#21

Naphthalene-d8

Concen: 20.000 ng

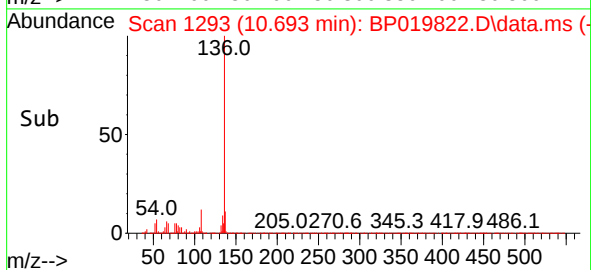
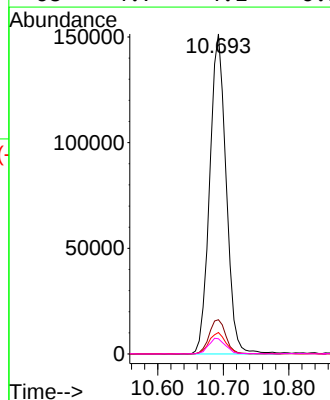
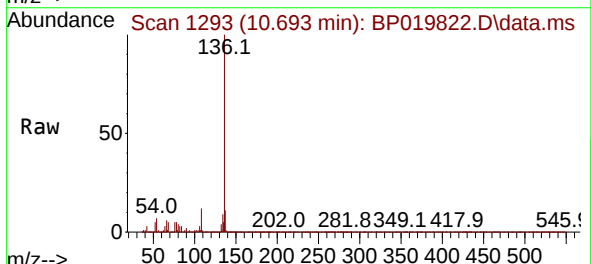
RT: 10.693 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BP019822.D

Acq: 22 Feb 2024 13:50

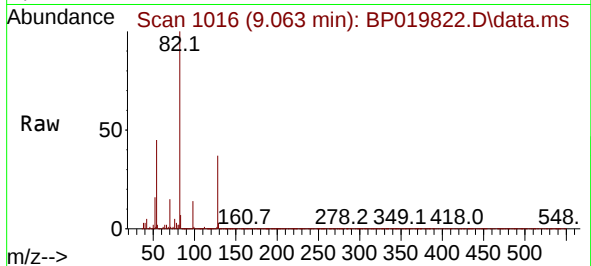
Tgt Ion:	136	Ratio	100	Lower	Upper
137	10.7	8.8	13.2		
54	6.7	5.3	7.9		
68	4.7	4.1	6.1		





#23
Nitrobenzene-d5
Concen: 63.494 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP019822.D
Acq: 22 Feb 2024 13:50

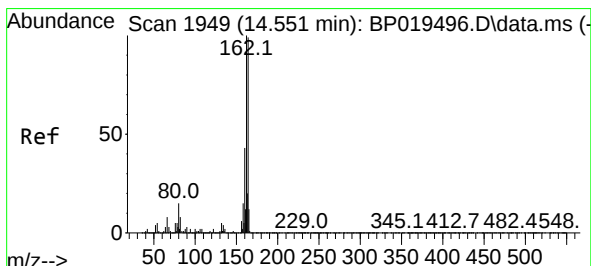
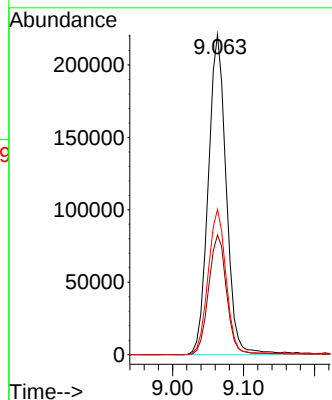
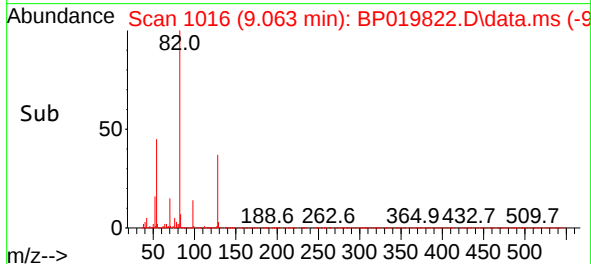
Instrument :
BNA_P
ClientSampleId :
10



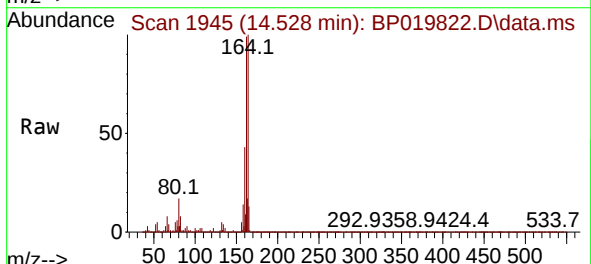
Tgt Ion: 82 Resp: 387270
Ion Ratio Lower Upper
82 100
128 37.4 29.7 44.5
54 45.4 36.8 55.2

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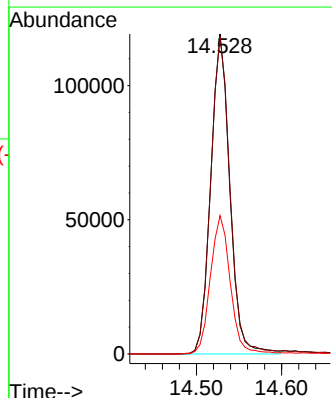
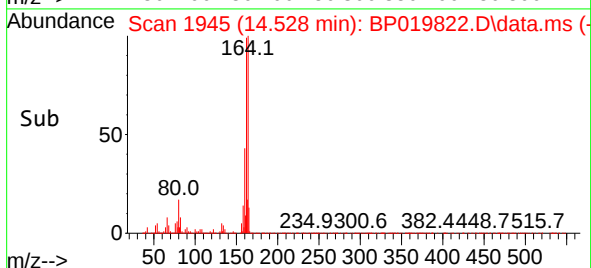
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024

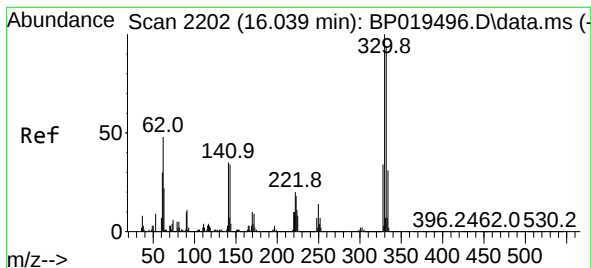


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.528 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BP019822.D
Acq: 22 Feb 2024 13:50



Tgt Ion:164 Resp: 184820
Ion Ratio Lower Upper
164 100
162 99.4 81.2 121.8
160 43.3 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 130.063 ng

RT: 16.022 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BP019822.D

Acq: 22 Feb 2024 13:50

Instrument :

BNA_P

ClientSampleId :

10

Tgt Ion:330 Resp: 35097

Ion Ratio Lower Upper

330 100

332 97.1 77.2 115.8

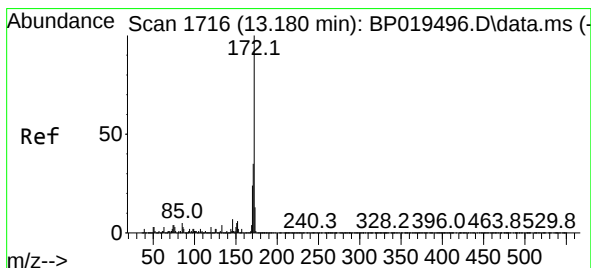
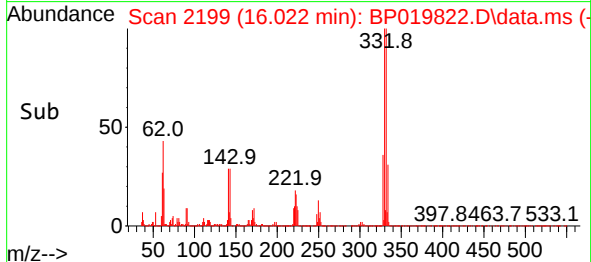
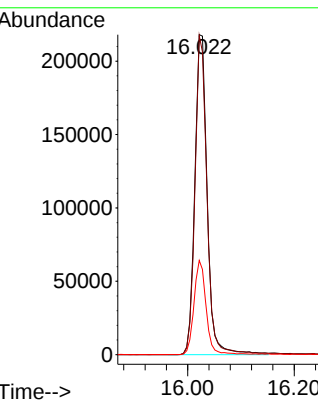
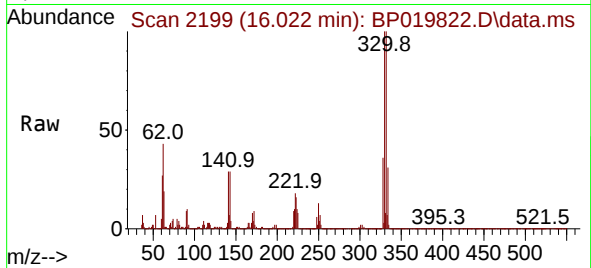
141 28.8 27.0 40.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#45

2-Fluorobiphenyl

Concen: 60.218 ng

RT: 13.151 min Scan# 1711

Delta R.T. -0.012 min

Lab File: BP019822.D

Acq: 22 Feb 2024 13:50

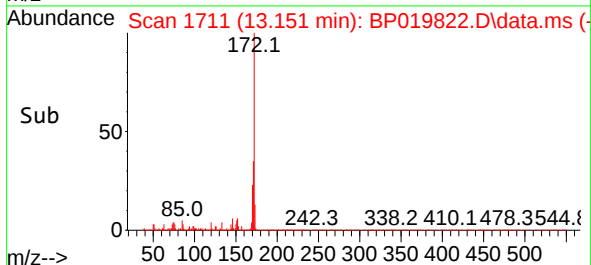
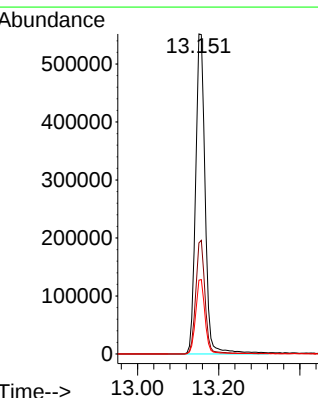
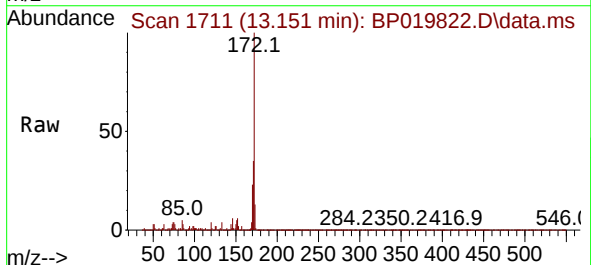
Tgt Ion:172 Resp: 900282

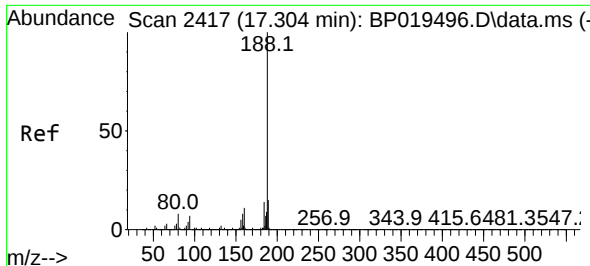
Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.4

170 23.1 18.9 28.3





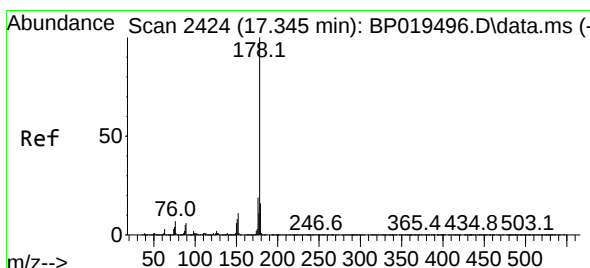
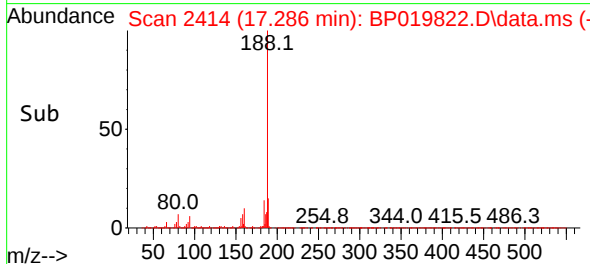
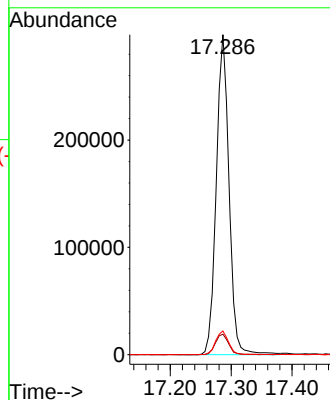
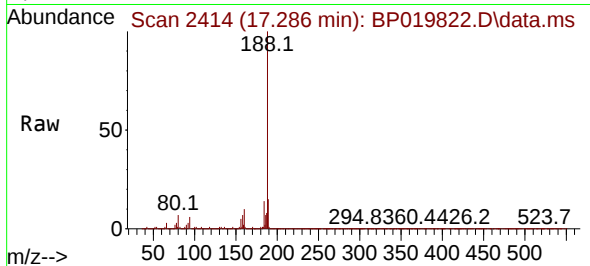
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP019822.D
Acq: 22 Feb 2024 13:50

Instrument :
BNA_P
ClientSampleId :
10

Tgt Ion:188 Resp: 43257
Ion Ratio Lower Upper
188 100
94 6.4 5.4 8.2
80 7.4 6.3 9.5

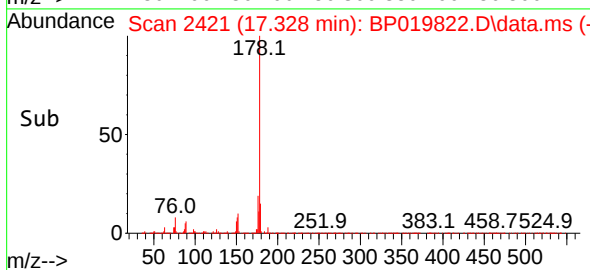
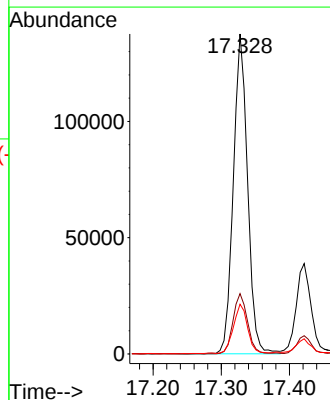
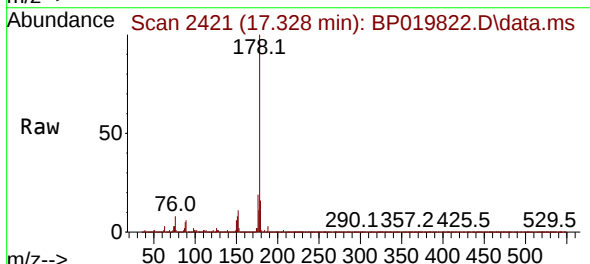
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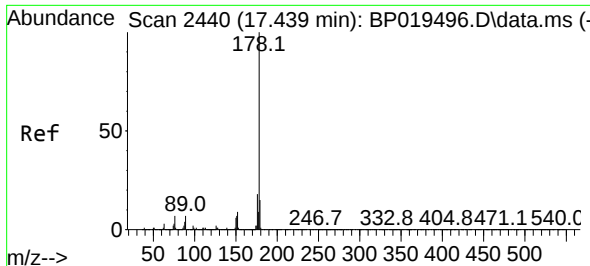
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#71
Phenanthrene
Concen: 8.792 ng
RT: 17.328 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BP019822.D
Acq: 22 Feb 2024 13:50

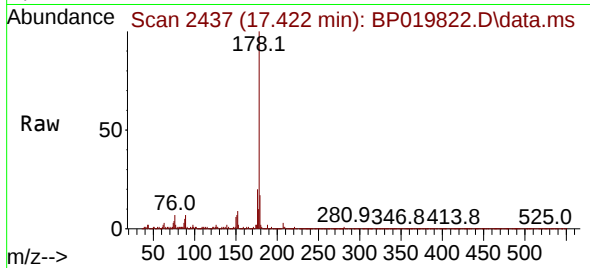
Tgt Ion:178 Resp: 200142
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.6 12.6 19.0





#72
Anthracene
Concen: 2.435 ng
RT: 17.422 min Scan# 2440
Delta R.T. -0.006 min
Lab File: BP019822.D
Acq: 22 Feb 2024 13:50

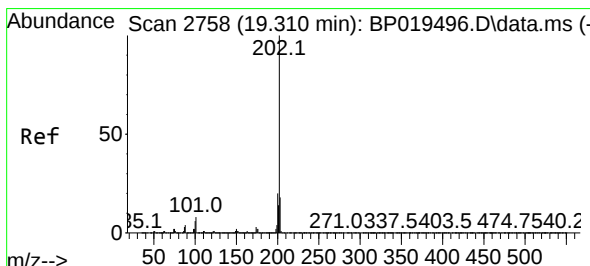
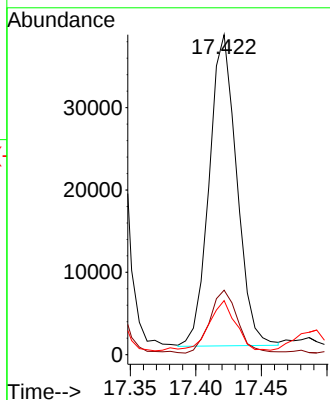
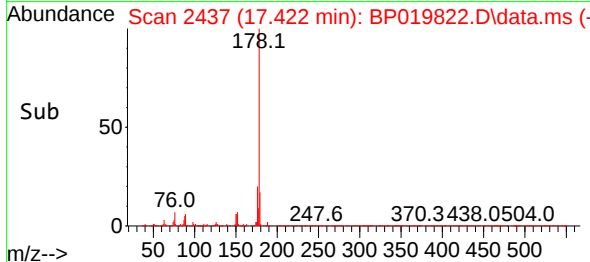
Instrument :
BNA_P
ClientSampleId :
10



Tgt Ion:178 Resp: 5530
Ion Ratio Lower Upper
178 100
176 20.1 14.7 22.1
179 16.9 12.2 18.2

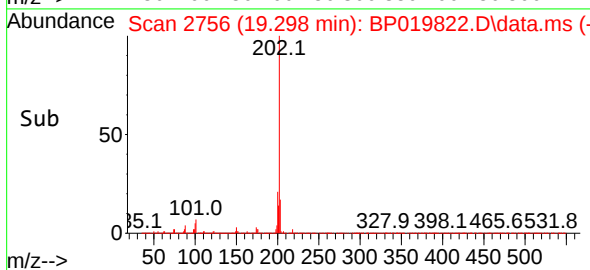
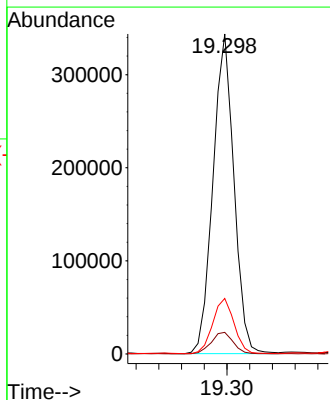
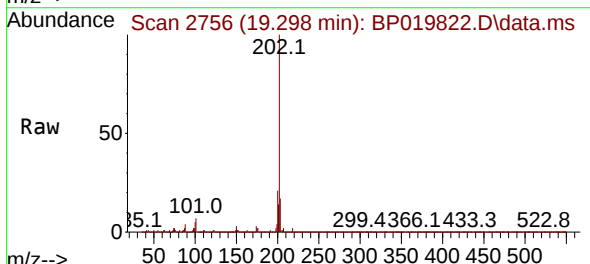
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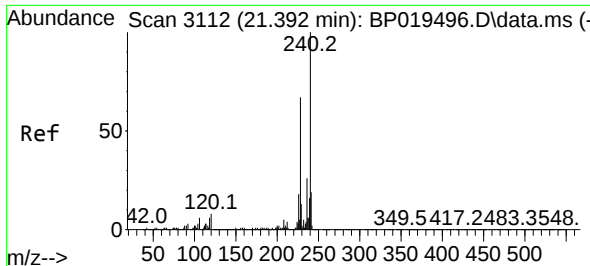
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#75
Fluoranthene
Concen: 15.835 ng
RT: 19.298 min Scan# 2756
Delta R.T. -0.006 min
Lab File: BP019822.D
Acq: 22 Feb 2024 13:50

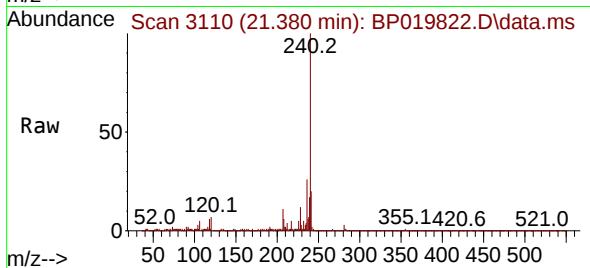
Tgt Ion:202 Resp: 440377
Ion Ratio Lower Upper
202 100
101 6.7 0.0 27.7
203 17.3 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BP019822.D
Acq: 22 Feb 2024 13:50

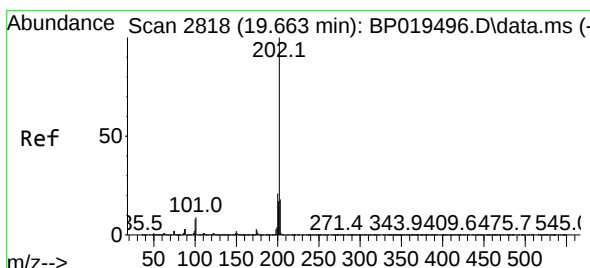
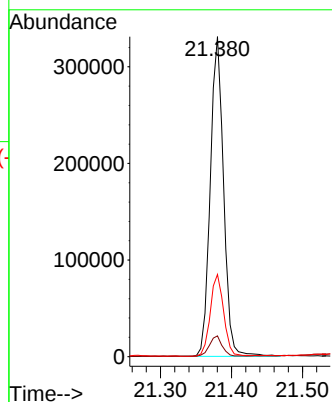
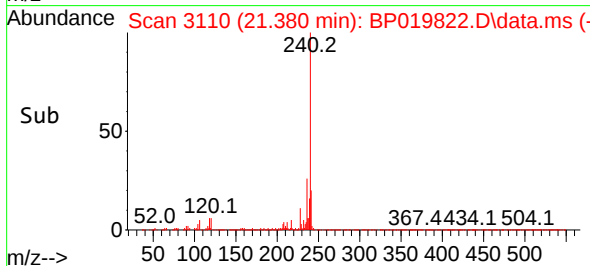
Instrument :
BNA_P
ClientSampleId :
10



Tgt Ion:240 Resp: 432004
Ion Ratio Lower Upper
240 100
120 6.5 6.1 9.1
236 25.7 20.7 31.1

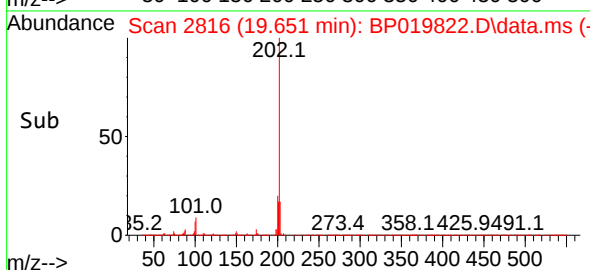
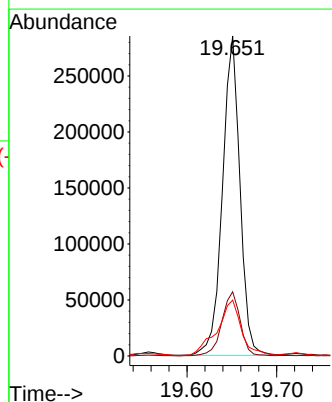
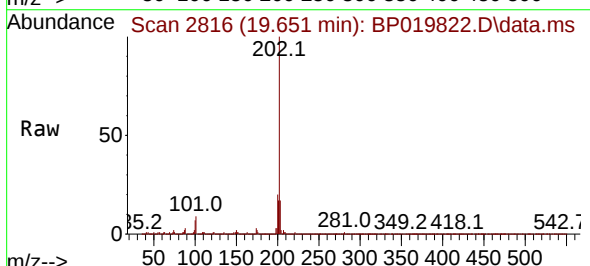
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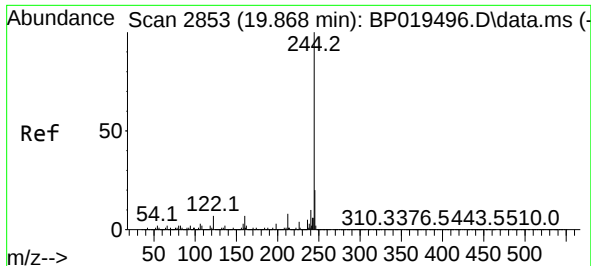
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#78
Pyrene
Concen: 12.669 ng
RT: 19.651 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BP019822.D
Acq: 22 Feb 2024 13:50

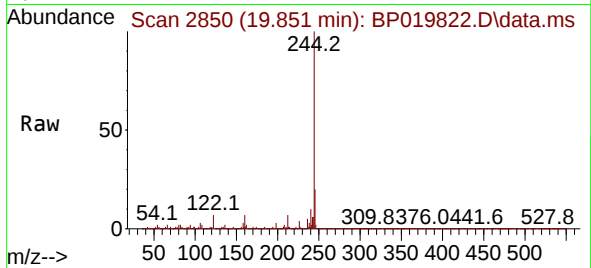
Tgt Ion:202 Resp: 386271
Ion Ratio Lower Upper
202 100
200 20.0 16.9 25.3
203 17.5 14.2 21.2





#79
 Terphenyl-d14
 Concen: 64.187 ng
 RT: 19.851 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP019822.D
 Acq: 22 Feb 2024 13:50

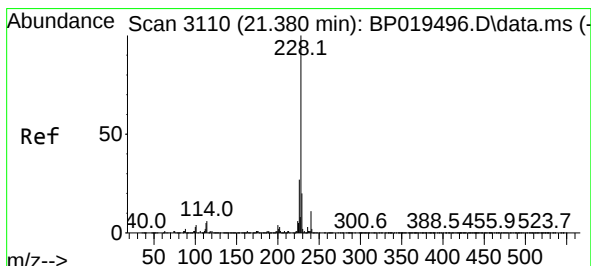
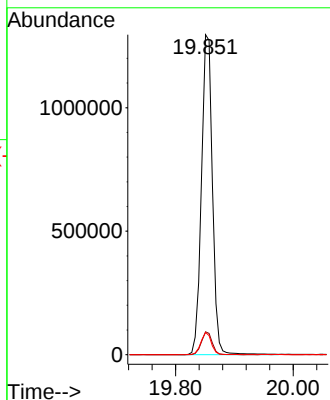
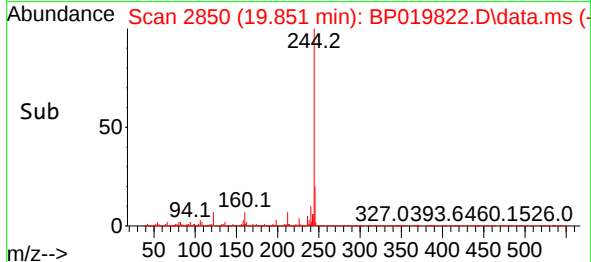
Instrument :
 BNA_P
 ClientSampleId :
 10



Tgt Ion:244 Resp: 1686124
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 7.0 5.9 8.9

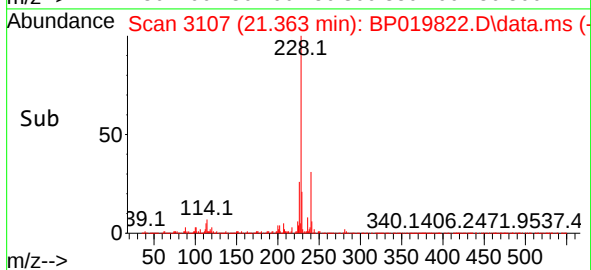
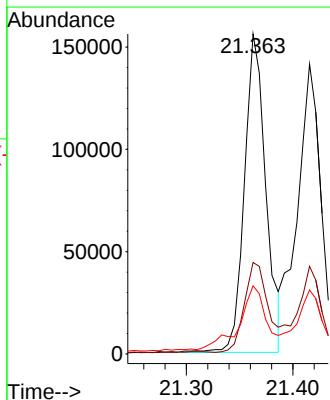
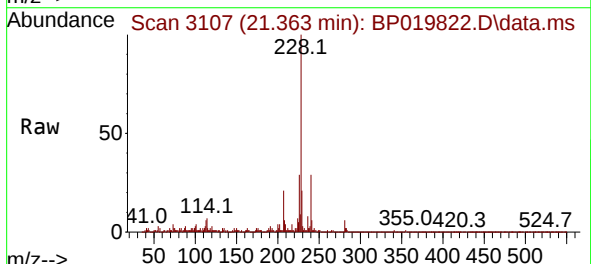
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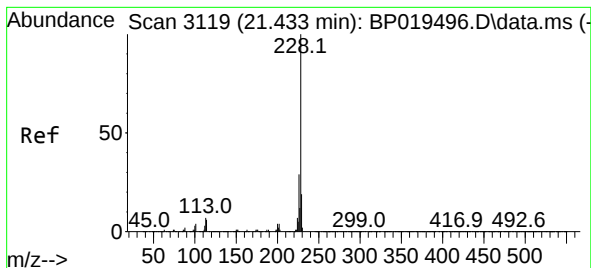
Reviewed By :Yogesh Patel 02/23/2024
 Supervised By :mohammad ahmed 02/23/2024



#81
 Benzo(a)anthracene
 Concen: 7.181 ng
 RT: 21.363 min Scan# 3107
 Delta R.T. -0.012 min
 Lab File: BP019822.D
 Acq: 22 Feb 2024 13:50

Tgt Ion:228 Resp: 218375
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.7 32.5
 229 21.3 15.6 23.4





#83

Chrysene

Concen: 7.459 ng

RT: 21.416 min Scan# 3119

Delta R.T. -0.012 min

Lab File: BP019822.D

Acq: 22 Feb 2024 13:50

Instrument :

BNA_P

ClientSampleId :

10

Tgt Ion:228 Resp: 215350

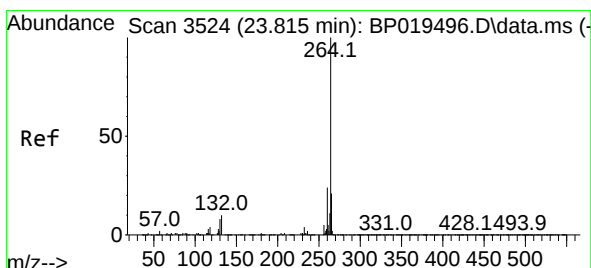
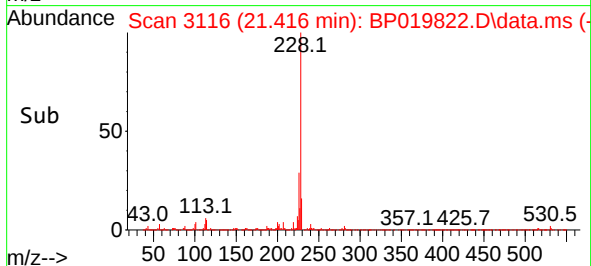
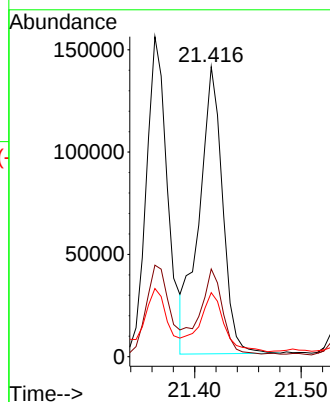
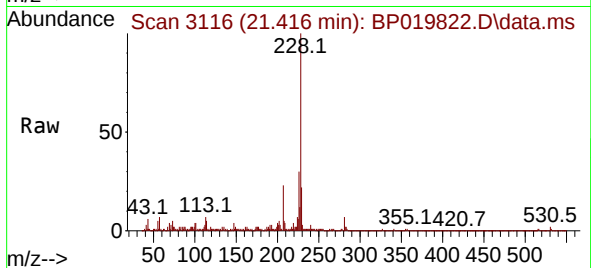
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	22.1	15.6	23.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.798 min Scan# 3521

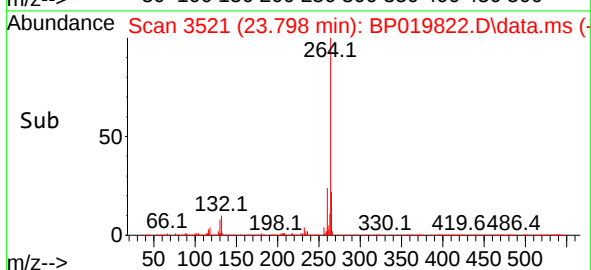
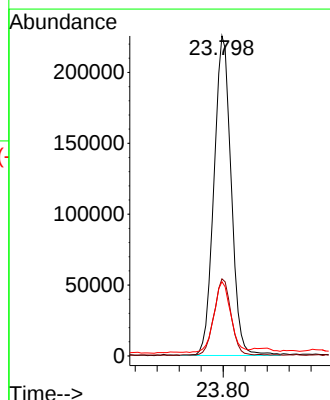
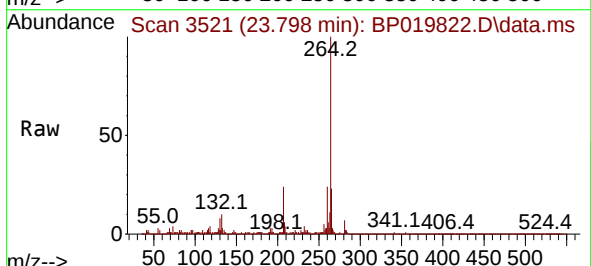
Delta R.T. -0.012 min

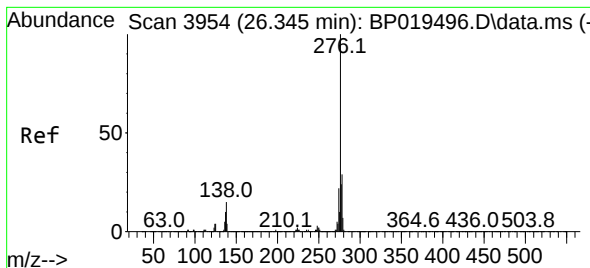
Lab File: BP019822.D

Acq: 22 Feb 2024 13:50

Tgt Ion:264 Resp: 490720

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	23.2	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.414 ng

RT: 26.321 min Scan# 3950

Delta R.T. -0.024 min

Lab File: BP019822.D

Acq: 22 Feb 2024 13:50

Instrument :

BNA_P

ClientSampleId :

10

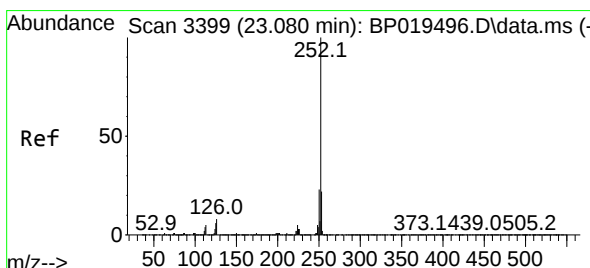
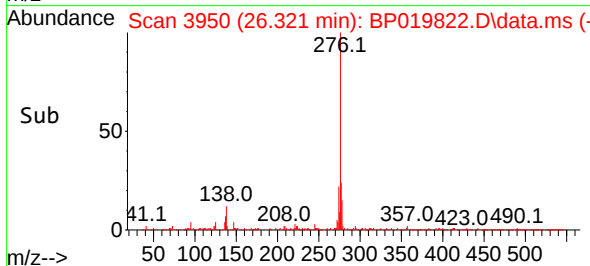
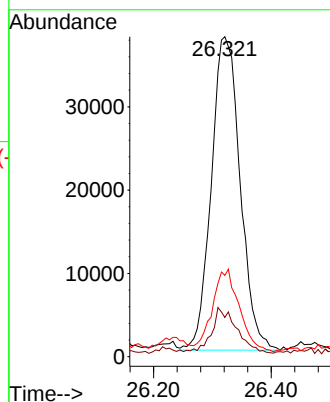
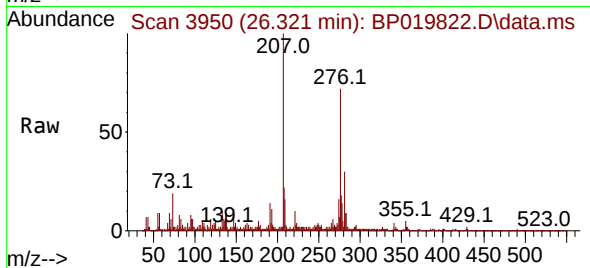
Tgt Ion:	276	Resp:	128254
Ion Ratio	Lower	Upper	
276	100		
138	12.7	13.1	19.7
277	24.7	20.3	30.5

Manual Integrations

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Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#88

Benzo(b)fluoranthene

Concen: 8.802 ng

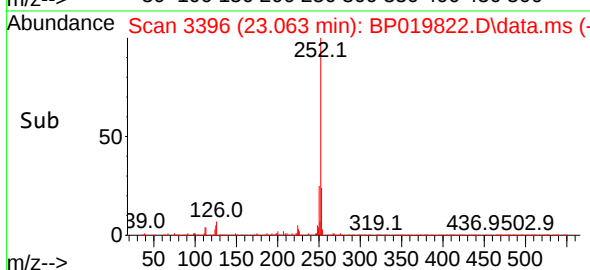
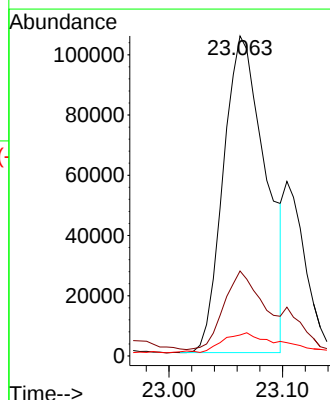
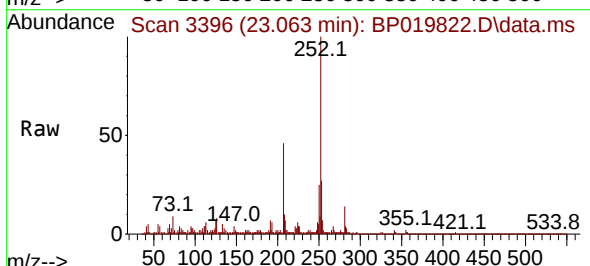
RT: 23.063 min Scan# 3396

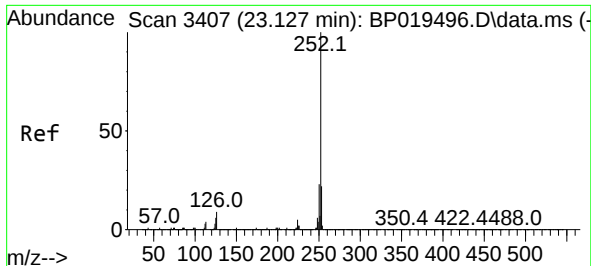
Delta R.T. -0.012 min

Lab File: BP019822.D

Acq: 22 Feb 2024 13:50

Tgt Ion:	252	Resp:	272231
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.3	25.9
125	6.5	4.9	7.3





#89

Benzo(k)fluoranthene

Concen: 2.484 ng m

RT: 23.104 min Scan# 3407

Delta R.T. -0.018 min

Lab File: BP019822.D

Acq: 22 Feb 2024 13:50

Instrument :

BNA_P

ClientSampleId :

10

Tgt Ion:252 Resp: 73398

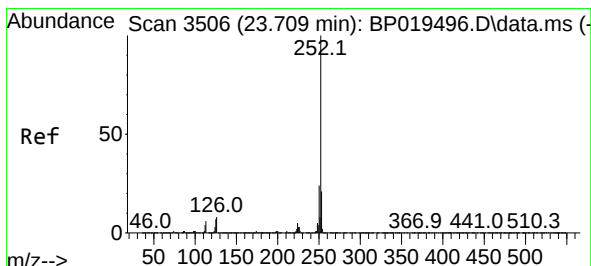
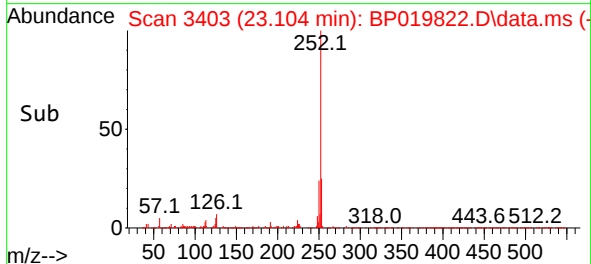
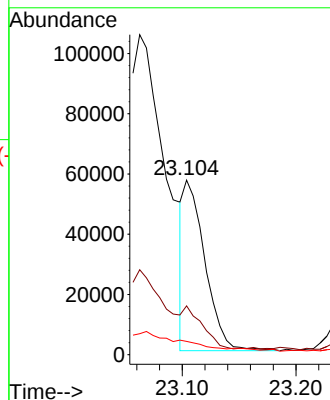
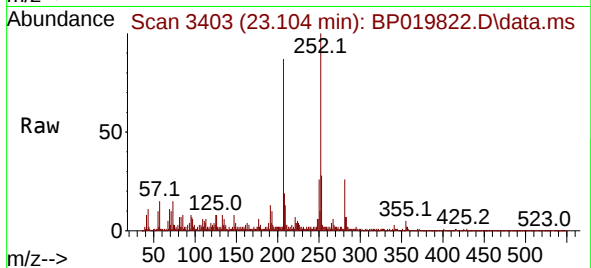
Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.1	25.7
125	7.6	5.0	7.6

Manual Integrations

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Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#90

Benzo(a)pyrene

Concen: 6.698 ng

RT: 23.692 min Scan# 3503

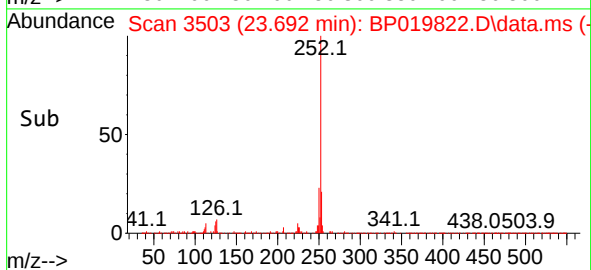
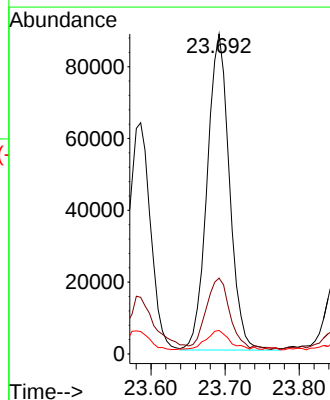
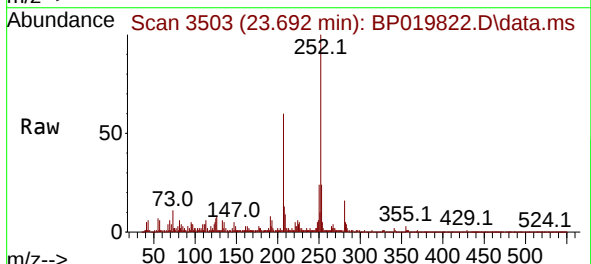
Delta R.T. -0.012 min

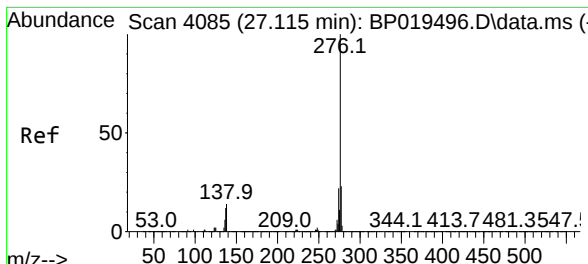
Lab File: BP019822.D

Acq: 22 Feb 2024 13:50

Tgt Ion:252 Resp: 184312

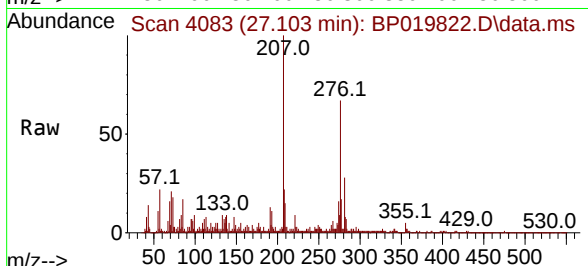
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	7.3	5.6	8.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.131 ng
 RT: 27.103 min Scan# 4083
 Delta R.T. -0.018 min
 Lab File: BP019822.D
 Acq: 22 Feb 2024 13:50

Instrument : BNA_P
 ClientSampleId : 10



Tgt Ion: 276 Resp: 12948

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	12.8	10.9	16.3

Manual Integrations
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 Reviewed By :Yogesh Patel 02/23/2024
 Supervised By :mohammad ahmed 02/23/2024

