

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
 Data File : BP019836.D
 Acq On : 22 Feb 2024 21:46
 Operator : MA/JU
 Sample : P1537-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 1

Manual Integrations
 APPROVED

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

Quant Time: Feb 23 01:00:17 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	77792	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	285326	20.000	ng	0.00
39) Acenaphthene-d10	14.528	164	202507	20.000	ng	-0.01
64) Phenanthrene-d10	17.292	188	475589	20.000	ng	0.00
76) Chrysene-d12	21.386	240	462292	20.000	ng	# 0.00
86) Perylene-d12	23.804	264	522600	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.470	112	365420	75.718	ng	0.00
7) Phenol-d6	7.069	99	458672	70.486	ng	0.00
23) Nitrobenzene-d5	9.063	82	314121	47.704	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	282792	95.643	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	712008	43.465	ng	0.00
79) Terphenyl-d14	19.857	244	1378154	49.026	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.334	178	195721	7.820	ng	98
75) Fluoranthene	19.298	202	645425	21.109	ng	99
78) Pyrene	19.651	202	569396	17.452	ng	100
81) Benzo(a)anthracene	21.369	228	291548	8.959	ng	98
83) Chrysene	21.422	228	302747	9.799	ng	98
87) Indeno(1,2,3-cd)pyrene	26.339	276	254201	6.355	ng	# 94
88) Benzo(b)fluoranthene	23.069	252	470323	14.279	ng	96
89) Benzo(k)fluoranthene	23.116	252	139941m	4.448	ng	
90) Benzo(a)pyrene	23.698	252	320499	10.936	ng	95
92) Benzo(g,h,i)perylene	27.115	276	257629	7.718	ng	99

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

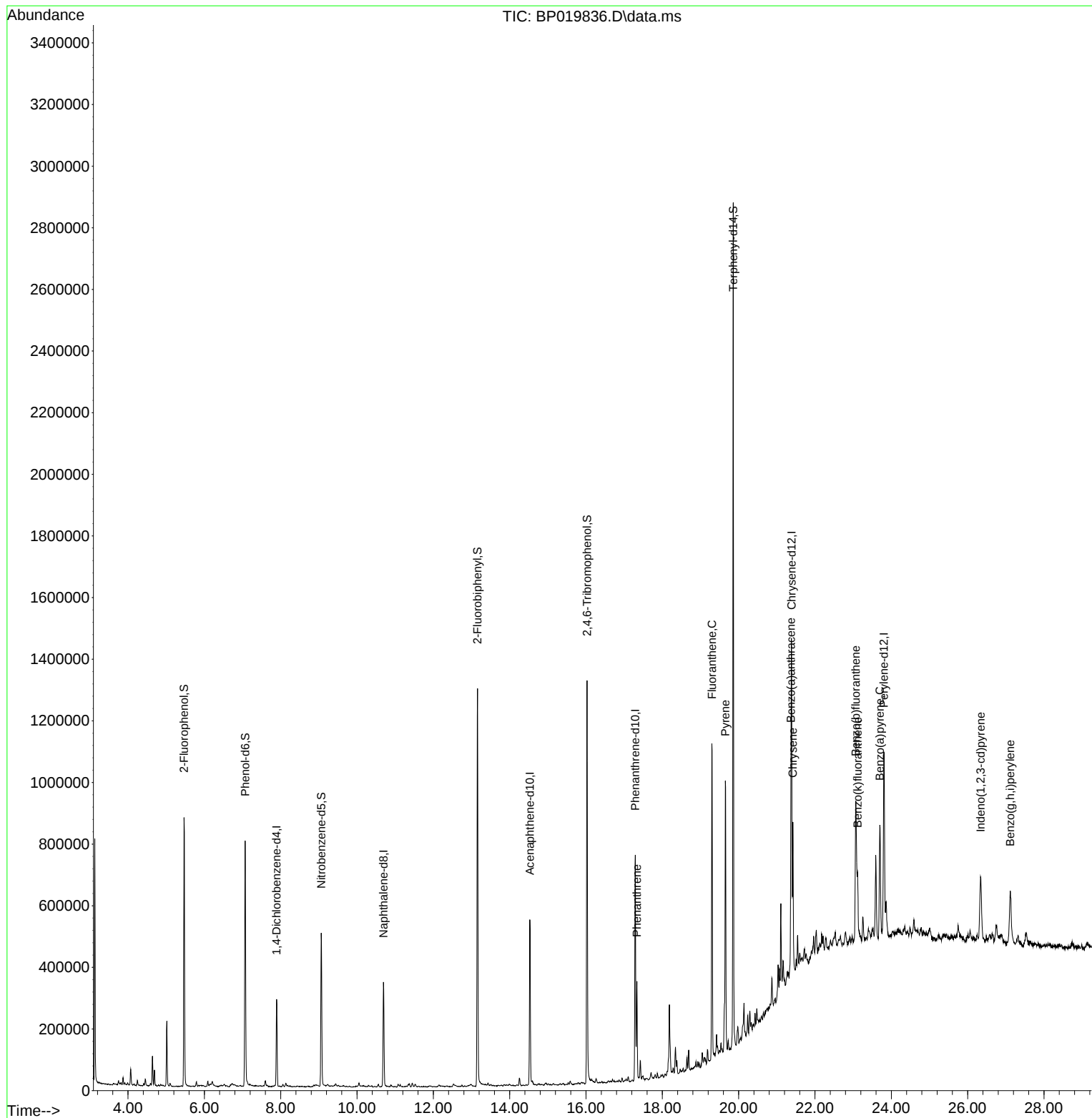
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022224\
Data File : BP019836.D
Acq On : 22 Feb 2024 21:46
Operator : MA/JU
Sample : P1537-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

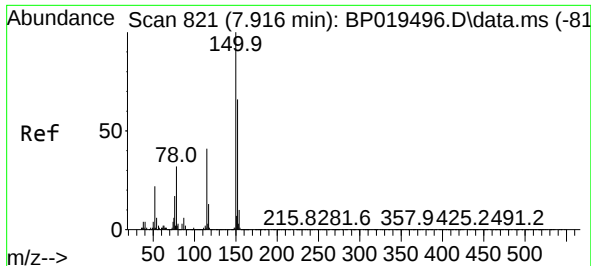
Instrument :
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ClientSampleId :
1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 19 23:35:42 2024
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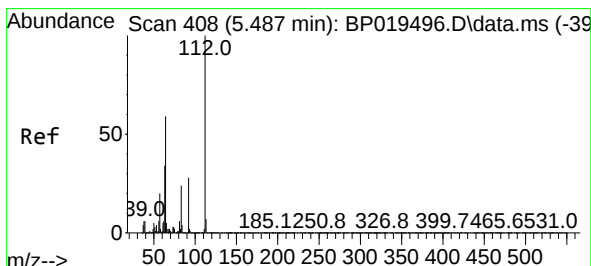
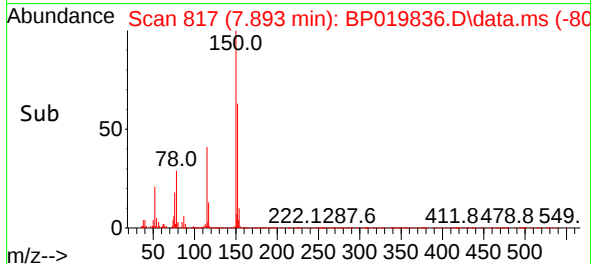
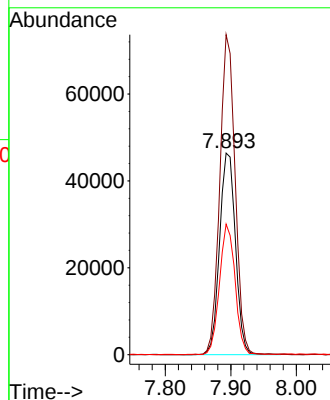
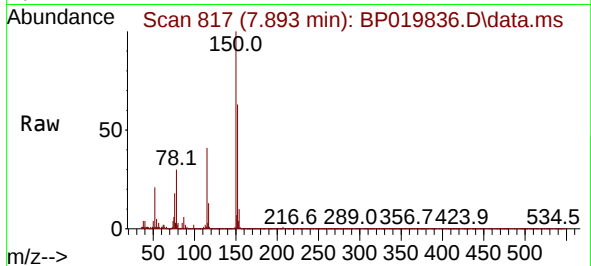
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

Instrument :
BNA_P
ClientSampleId :
1

Tgt Ion:152 Resp: 77792
Ion Ratio Lower Upper
152 100
150 158.7 121.8 182.8
115 64.8 49.9 74.9

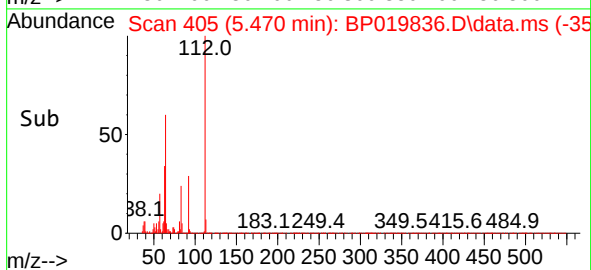
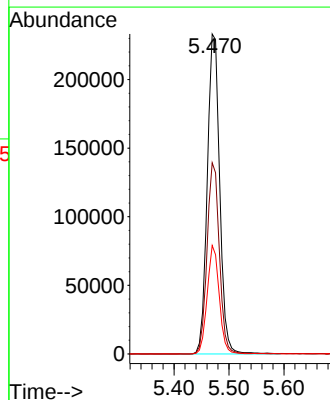
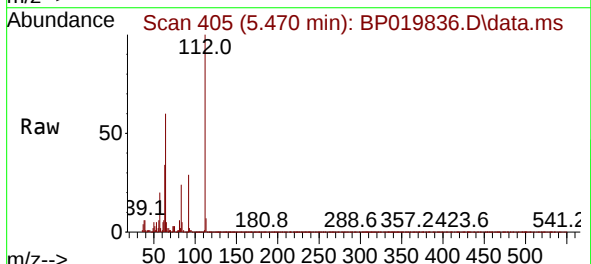
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Supervised By :mohammad ahmed 02/23/2024



#5
2-Fluorophenol
Concen: 75.718 ng
RT: 5.470 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

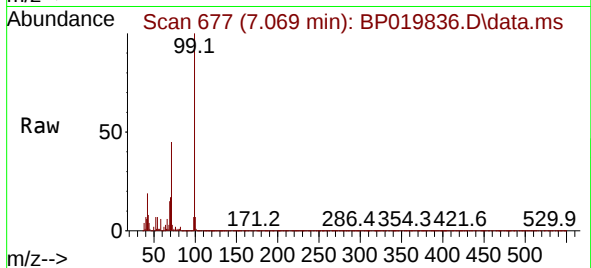
Tgt Ion:112 Resp: 365420
Ion Ratio Lower Upper
112 100
64 59.7 47.4 71.0
63 33.9 27.0 40.6





#7
Phenol-d6
Concen: 70.486 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

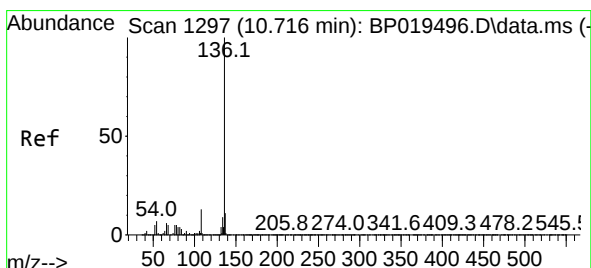
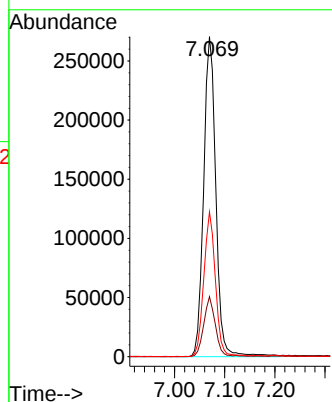
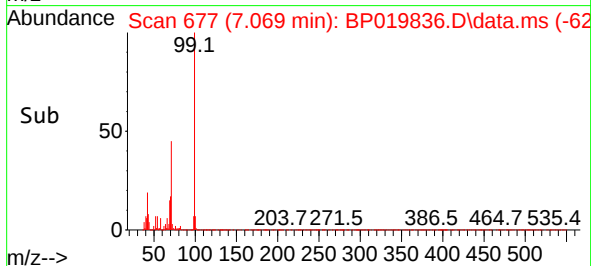
Instrument :
BNA_P
ClientSampleId :
1



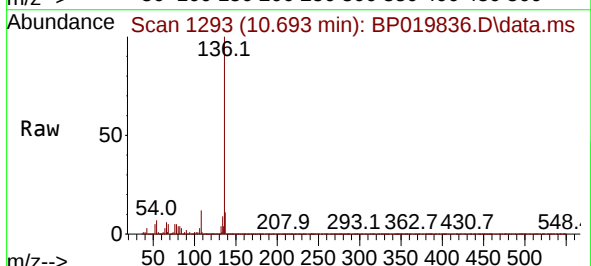
Tgt Ion: 99 Resp: 458672
Ion Ratio Lower Upper
99 100
42 18.7 14.7 22.1
71 45.2 34.8 52.2

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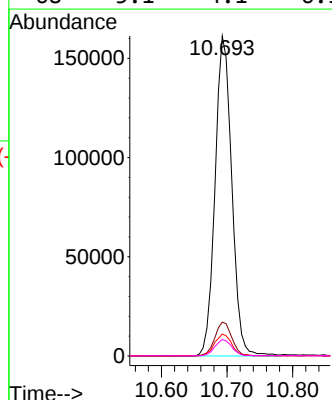
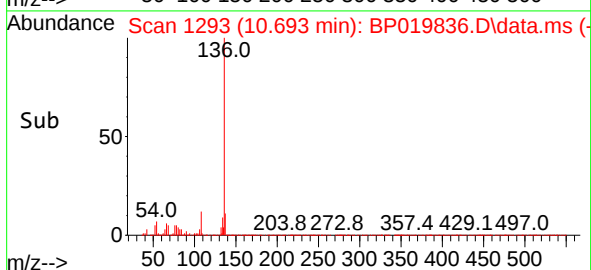
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46



Tgt Ion:136 Resp: 285326
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.8 5.3 7.9
68 5.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 47.704 ng

RT: 9.063 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

Instrument :

BNA_P

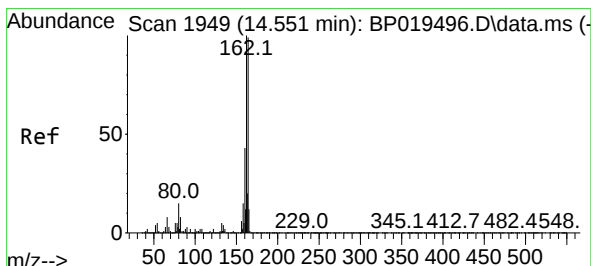
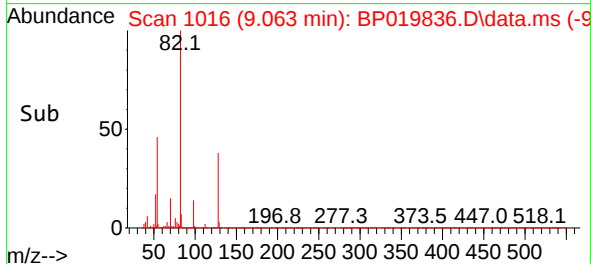
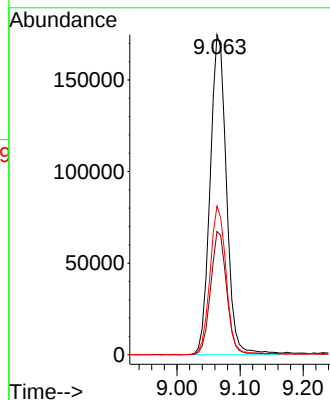
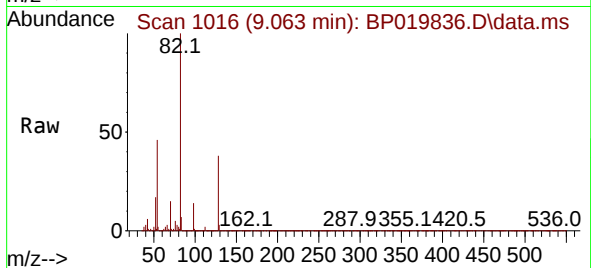
ClientSampleId :

1

Tgt Ion: 82	Resp: 31412
Ion Ratio	Lower Upper
82 100	
128 38.5	29.7 44.5
54 46.4	36.8 55.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

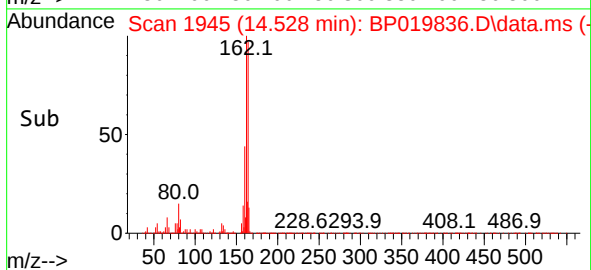
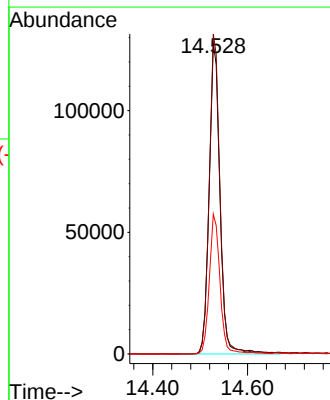
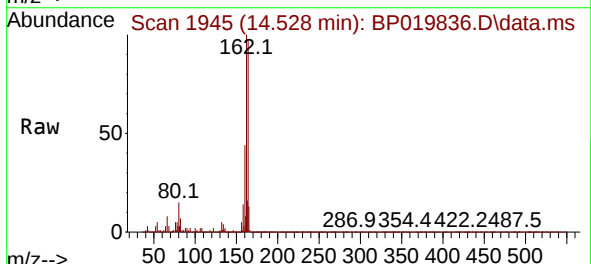
RT: 14.528 min Scan# 1945

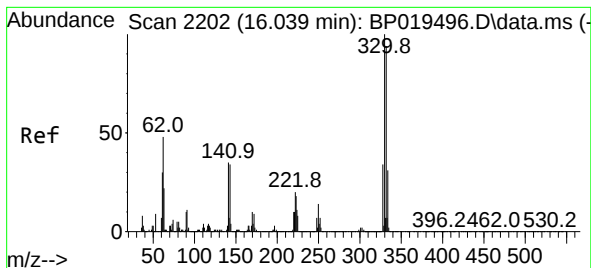
Delta R.T. -0.012 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

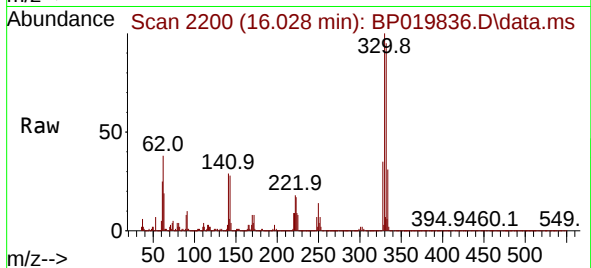
Tgt Ion:164	Resp: 202507
Ion Ratio	Lower Upper
164 100	
162 102.8	81.2 121.8
160 44.9	35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 95.643 ng
RT: 16.028 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

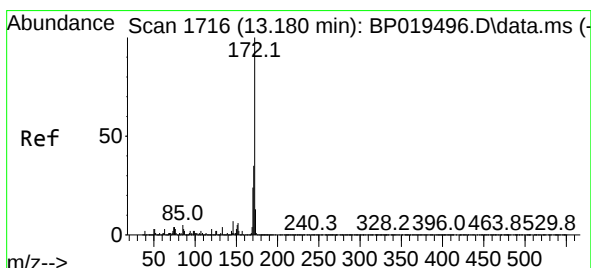
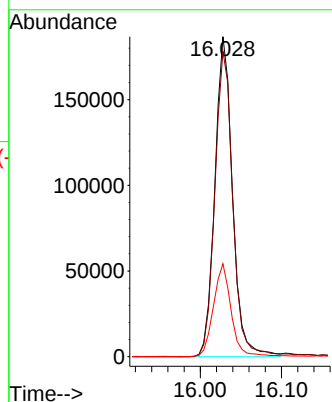
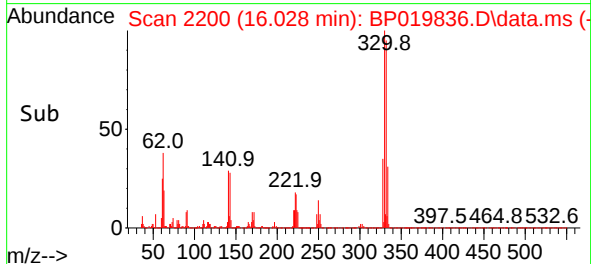
Instrument :
BNA_P
ClientSampleId :
1



Tgt Ion: 330 Resp: 282792
Ion Ratio Lower Upper
330 100
332 97.9 77.2 115.8
141 29.3 27.0 40.4

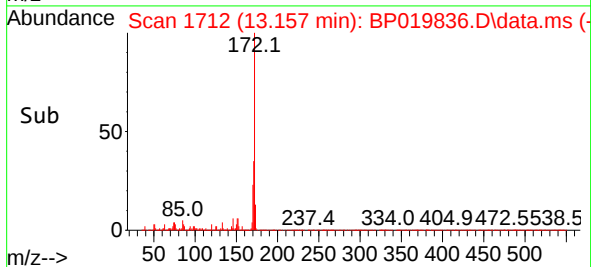
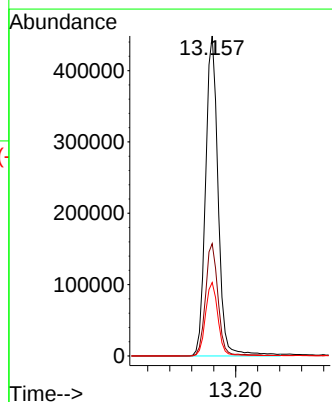
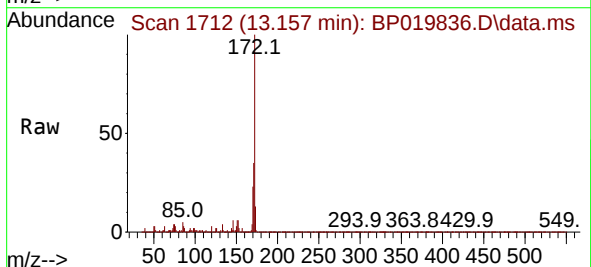
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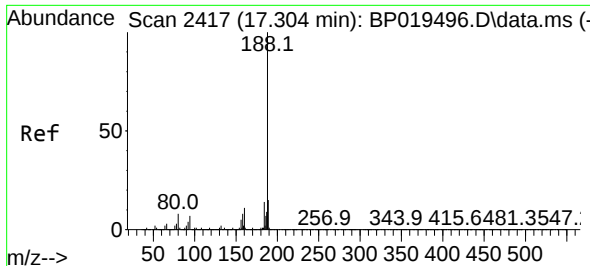
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#45
2-Fluorobiphenyl
Concen: 43.465 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

Tgt Ion: 172 Resp: 712008
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 22.9 18.9 28.3





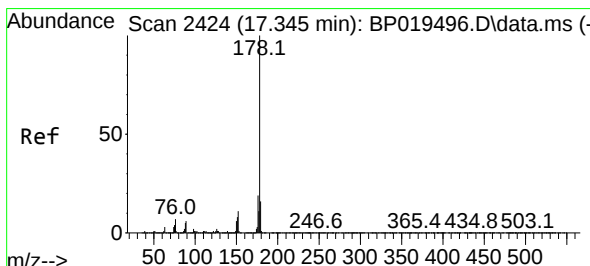
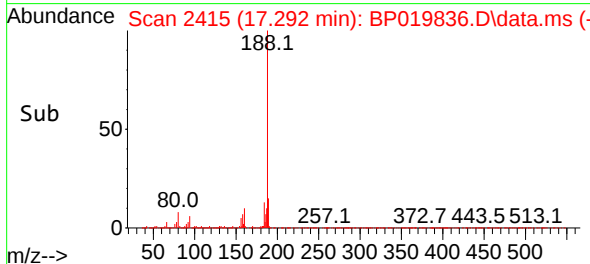
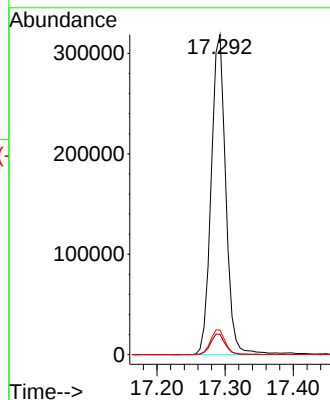
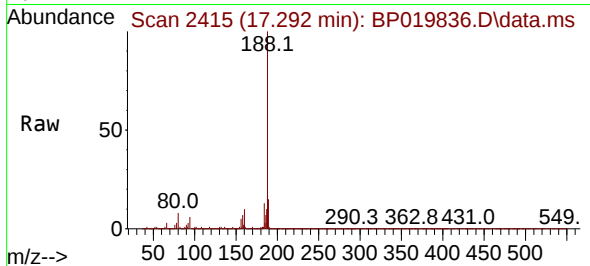
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.292 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

Instrument :
BNA_P
ClientSampleId :
1

Tgt Ion:188 Resp: 475589
Ion Ratio Lower Upper
188 100
94 6.4 5.4 8.2
80 7.6 6.3 9.5

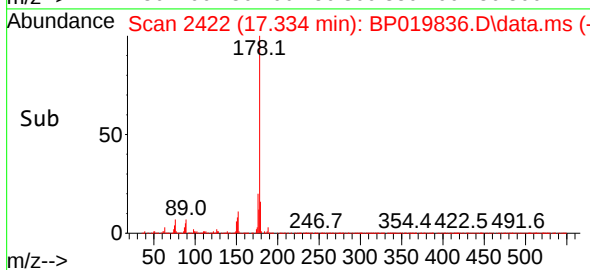
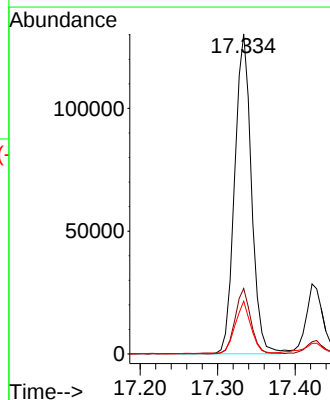
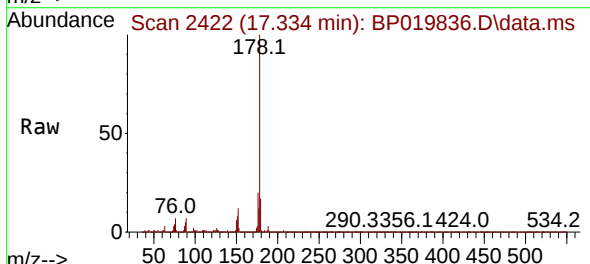
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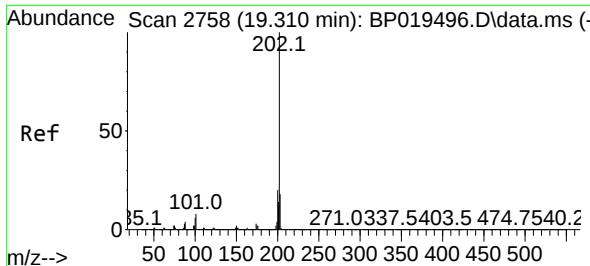
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#71
Phenanthrene
Concen: 7.820 ng
RT: 17.334 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

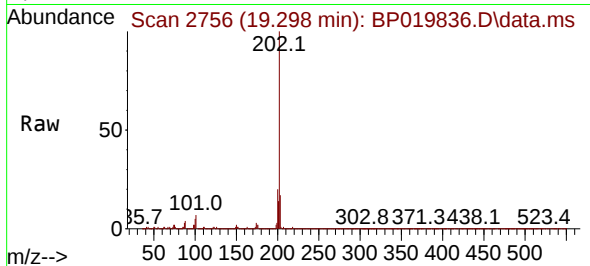
Tgt Ion:178 Resp: 195721
Ion Ratio Lower Upper
178 100
176 20.4 15.5 23.3
179 16.5 12.6 19.0





#75
Fluoranthene
Concen: 21.109 ng
RT: 19.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

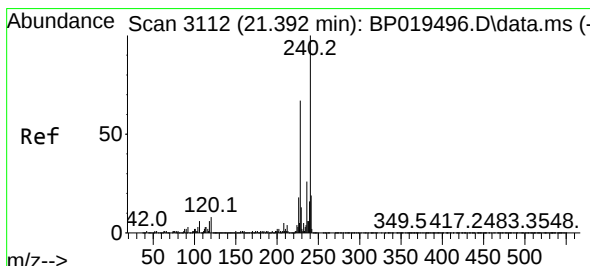
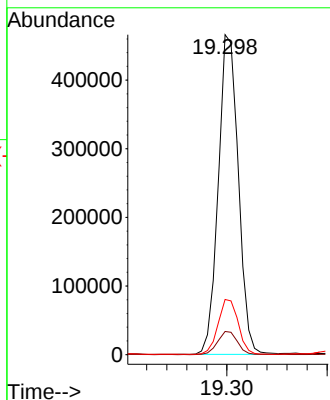
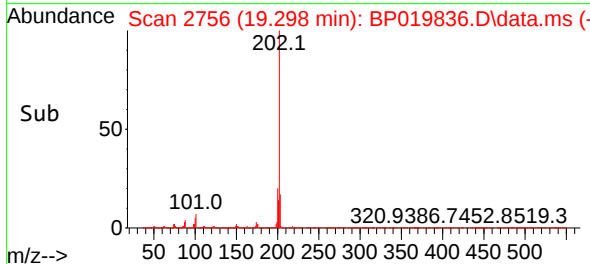
Instrument :
BNA_P
ClientSampleId :
1



Tgt Ion:202 Resp: 645425
Ion Ratio Lower Upper
202 100
101 7.3 0.0 27.7
203 17.2 0.0 37.5

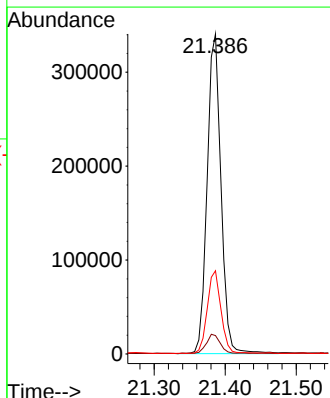
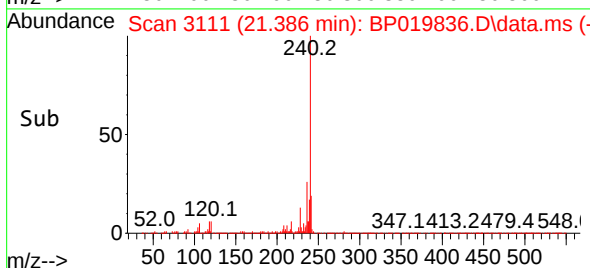
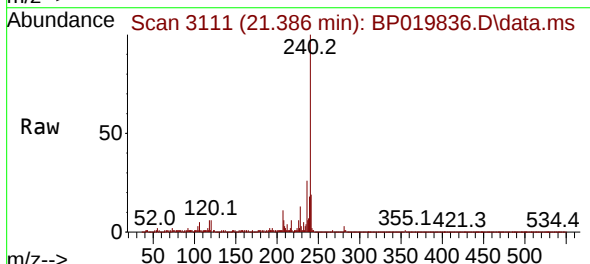
Manual Integrations
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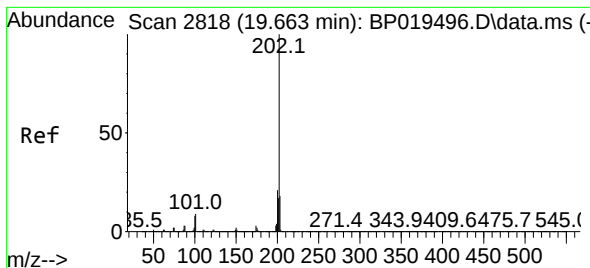
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

Tgt Ion:240 Resp: 462292
Ion Ratio Lower Upper
240 100
120 5.7 6.1 9.1#
236 26.0 20.7 31.1





#78

Pyrene

Concen: 17.452 ng

RT: 19.651 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

Instrument :

BNA_P

ClientSampleId :

1

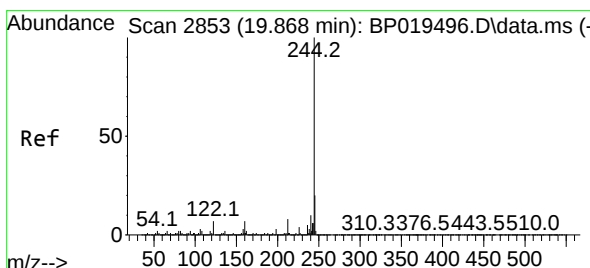
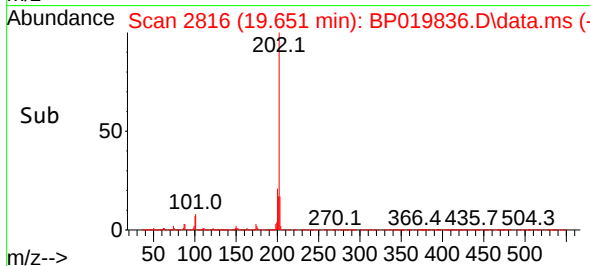
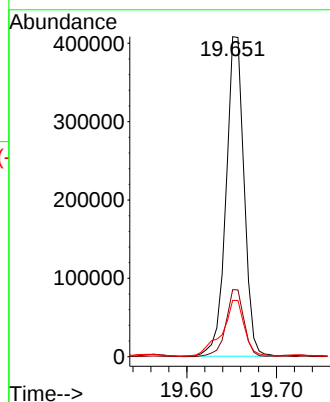
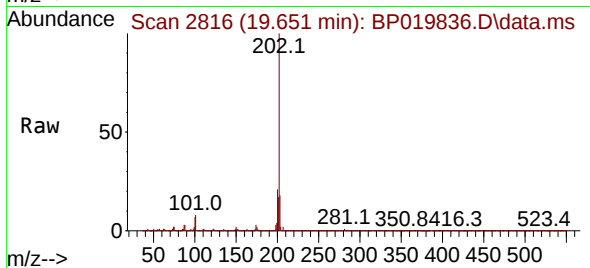
Tgt Ion:	202	Resp:	569390
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.9	25.3
203	17.6	14.2	21.2

Manual Integrations

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#79

Terphenyl-d14

Concen: 49.026 ng

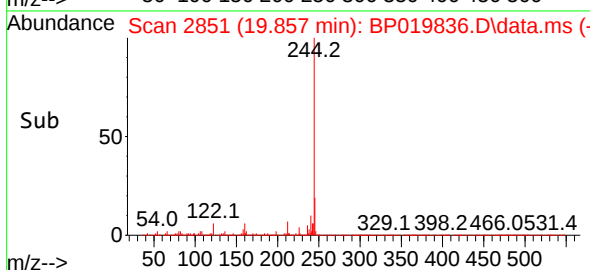
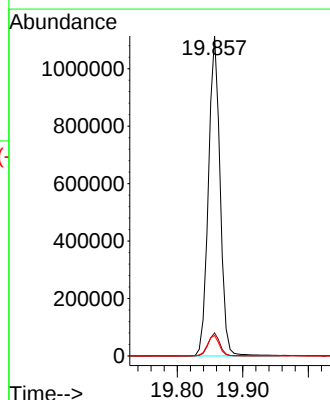
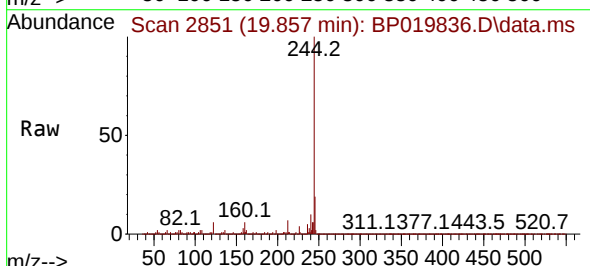
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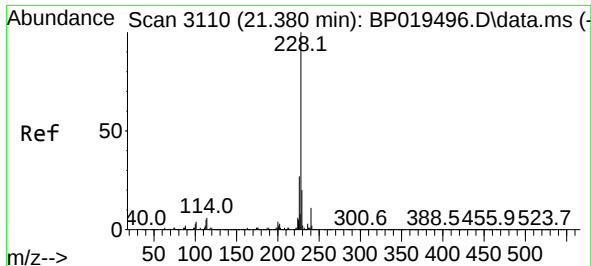
Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

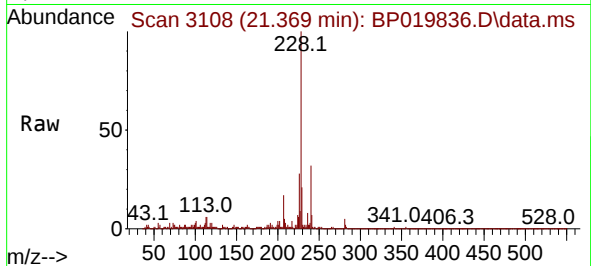
Tgt Ion:	244	Resp:	1378154
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.1	9.1
122	6.4	5.9	8.9





#81
Benzo(a)anthracene
Concen: 8.959 ng
RT: 21.369 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

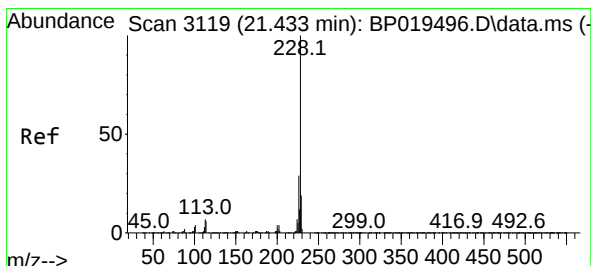
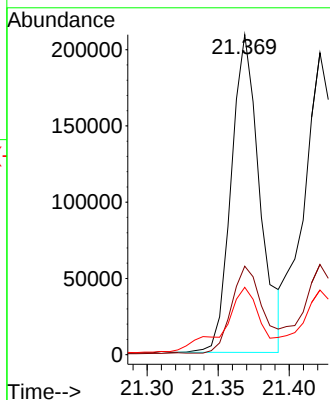
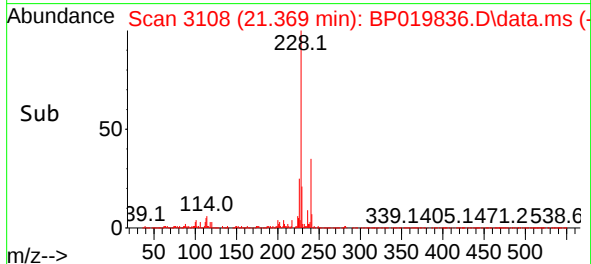
Instrument :
BNA_P
ClientSampleId :
1



Tgt Ion:228 Resp: 291548
Ion Ratio Lower Upper
228 100
226 27.7 21.7 32.5
229 21.0 15.6 23.4

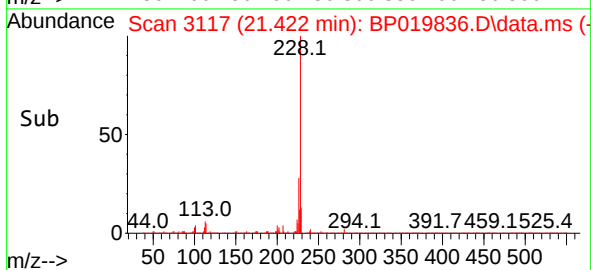
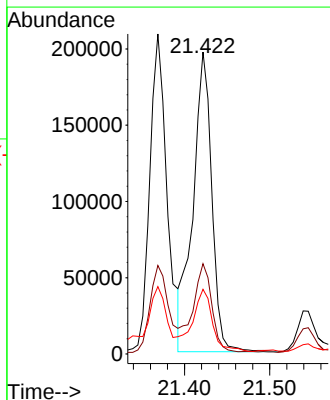
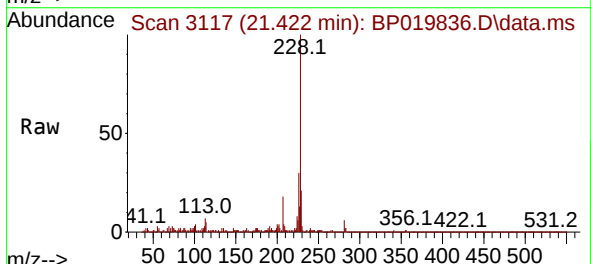
Manual Integrations
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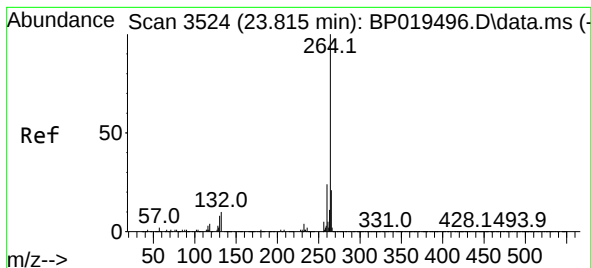
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#83
Chrysene
Concen: 9.799 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

Tgt Ion:228 Resp: 302747
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.2
229 21.4 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.804 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

Instrument :

BNA_P

ClientSampleId :

1

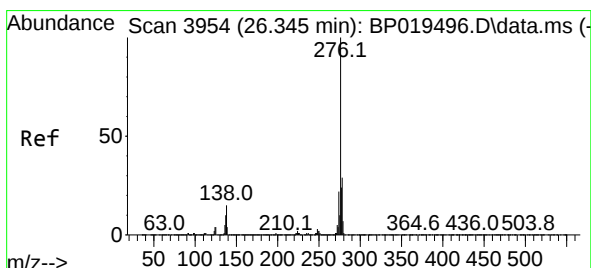
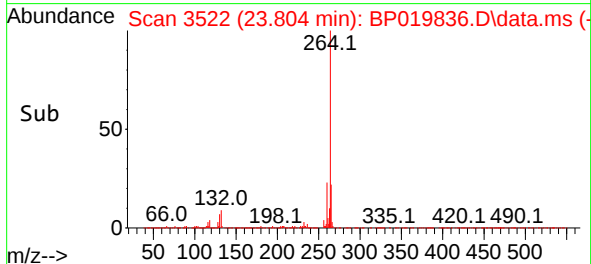
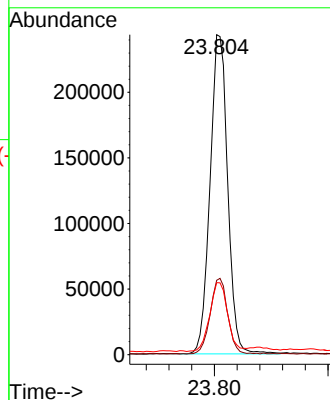
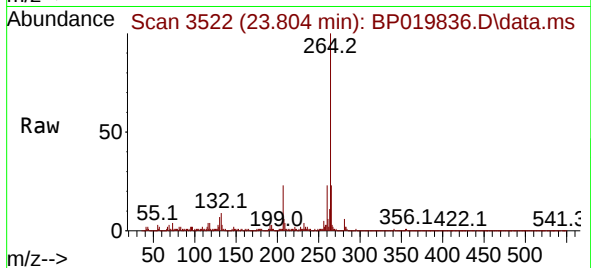
Tgt Ion:264 Resp: 522600
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 22.5 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.355 ng

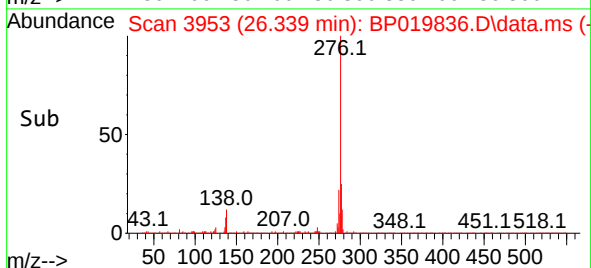
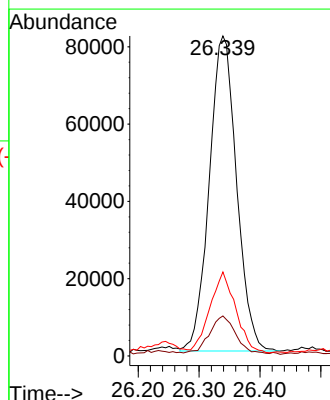
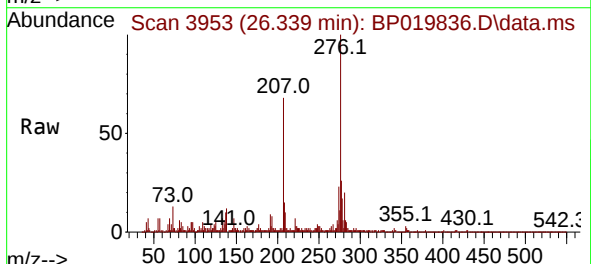
RT: 26.339 min Scan# 3953

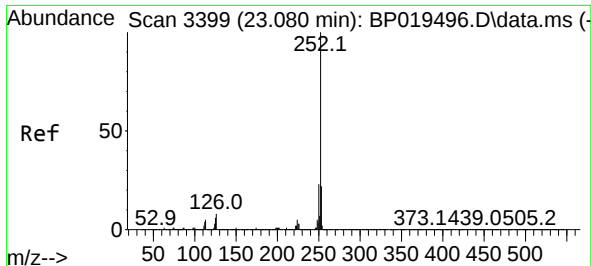
Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46

Tgt Ion:276 Resp: 254201
 Ion Ratio Lower Upper
 276 100
 138 11.7 13.1 19.7#
 277 24.3 20.3 30.5





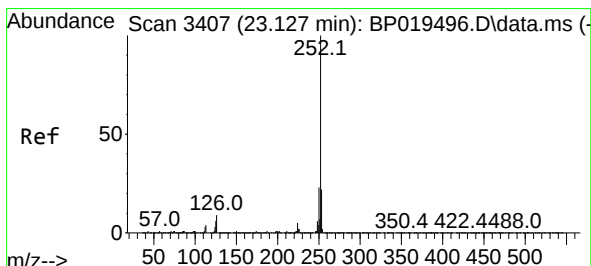
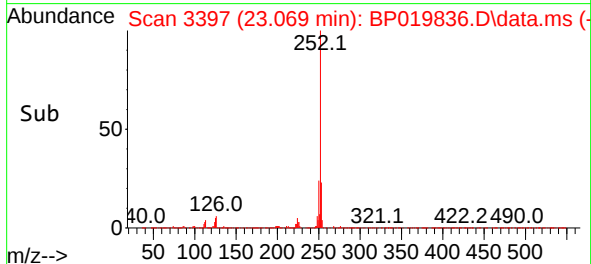
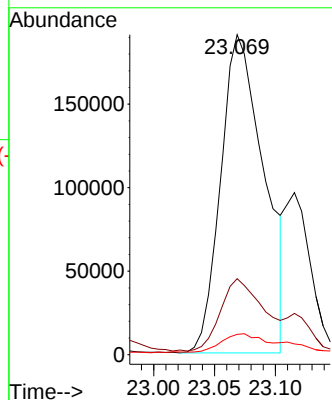
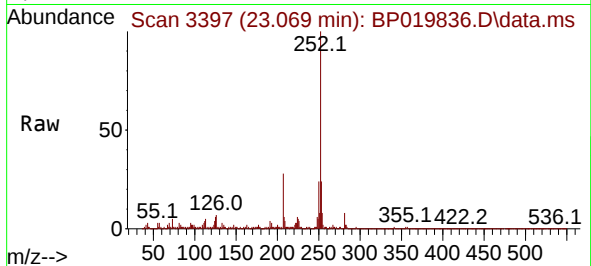
#88
Benzo(b)fluoranthene
Concen: 14.279 ng
RT: 23.069 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

Instrument :
BNA_P
ClientSampleId :
1

Tgt Ion:252 Resp: 47032
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 6.3 4.9 7.3

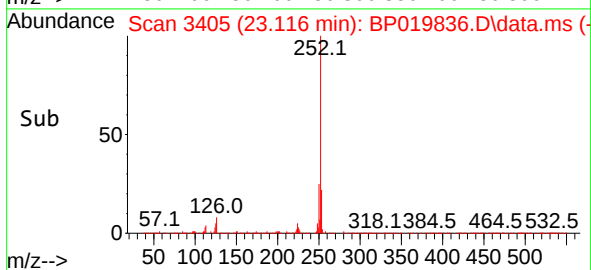
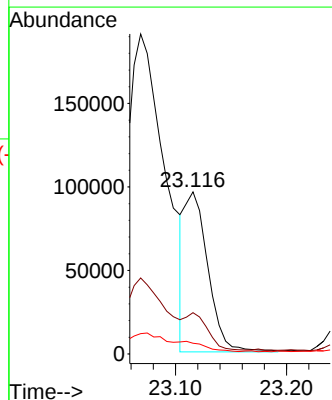
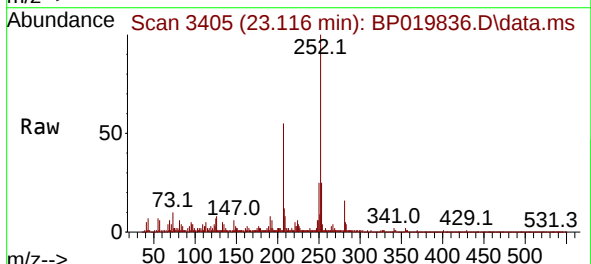
Manual Integrations
APPROVED

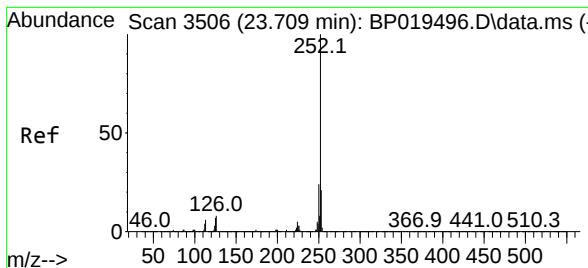
Reviewed By :Yogesh Patel 02/23/2024
Supervised By :mohammad ahmed 02/23/2024



#89
Benzo(k)fluoranthene
Concen: 4.448 ng m
RT: 23.116 min Scan# 3405
Delta R.T. -0.006 min
Lab File: BP019836.D
Acq: 22 Feb 2024 21:46

Tgt Ion:252 Resp: 139941
Ion Ratio Lower Upper
252 100
253 25.5 17.1 25.7
125 6.6 5.0 7.6





#90

Benzo(a)pyrene

Concen: 10.936 ng

RT: 23.698 min Scan# 3506

Delta R.T. -0.006 min

Lab File: BP019836.D

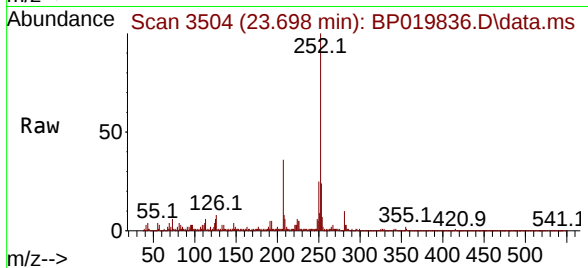
Acq: 22 Feb 2024 21:46

Instrument :

BNA_P

ClientSampleId :

1



Tgt Ion: 252 Resp: 320499

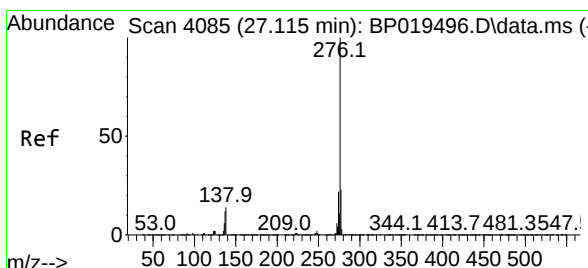
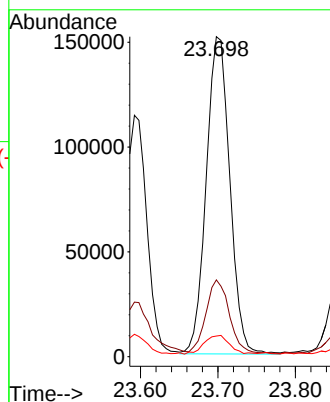
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	6.5	5.6	8.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/23/2024

Supervised By :mohammad ahmed 02/23/2024



#92

Benzo(g,h,i)perylene

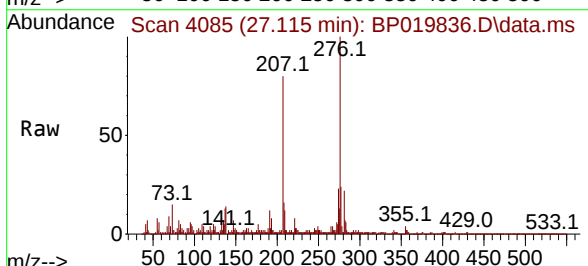
Concen: 7.718 ng

RT: 27.115 min Scan# 4085

Delta R.T. -0.006 min

Lab File: BP019836.D

Acq: 22 Feb 2024 21:46



Tgt Ion: 276 Resp: 257629

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	14.2	10.9	16.3

