

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021324\
 Data File : BP019688.D
 Acq On : 13 Feb 2024 21:06
 Operator : MA/JU
 Sample : P1451-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-01-02092024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/15/2024
 Supervised By :mohammad ahmed 02/15/2024

Quant Time: Feb 13 23:27:49 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	7.905	152	82667	20.000	ng	-0.01
21) Naphthalene-d8	10.705	136	306591	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	197562	20.000	ng	-0.01
64) Phenanthrene-d10	17.292	188	435837	20.000	ng	-0.01
76) Chrysene-d12	21.392	240	417465	20.000	ng	# 0.00
86) Perylene-d12	23.810	264	477420	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	275711	53.761	ng	0.00
7) Phenol-d6	7.075	99	360198	52.089	ng	-0.01
23) Nitrobenzene-d5	9.075	82	247630	34.998	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	186844	64.774	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	584611	36.582	ng	-0.02
79) Terphenyl-d14	19.863	244	957781	37.730	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.263	152	88458	4.871	ng	98
71) Phenanthrene	17.340	178	285738	12.458	ng	99
72) Anthracene	17.428	178	121236	5.299	ng	97
75) Fluoranthene	19.304	202	700838	25.013	ng	99
78) Pyrene	19.657	202	704441	23.909	ng	99
81) Benzo(a)anthracene	21.375	228	457866	15.581	ng	94
83) Chrysene	21.428	228	368505	13.208	ng	96
87) Indeno(1,2,3-cd)pyrene	26.339	276	269968	7.387	ng	# 96
88) Benzo(b)fluoranthene	23.075	252	547920	18.210	ng	95
89) Benzo(k)fluoranthene	23.122	252	156991m	5.462	ng	
90) Benzo(a)pyrene	23.710	252	420408	15.703	ng	96
91) Dibenzo(a,h)anthracene	26.363	278	77780	2.588	ng	# 75
92) Benzo(g,h,i)perylene	27.121	276	265366	8.703	ng	97

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

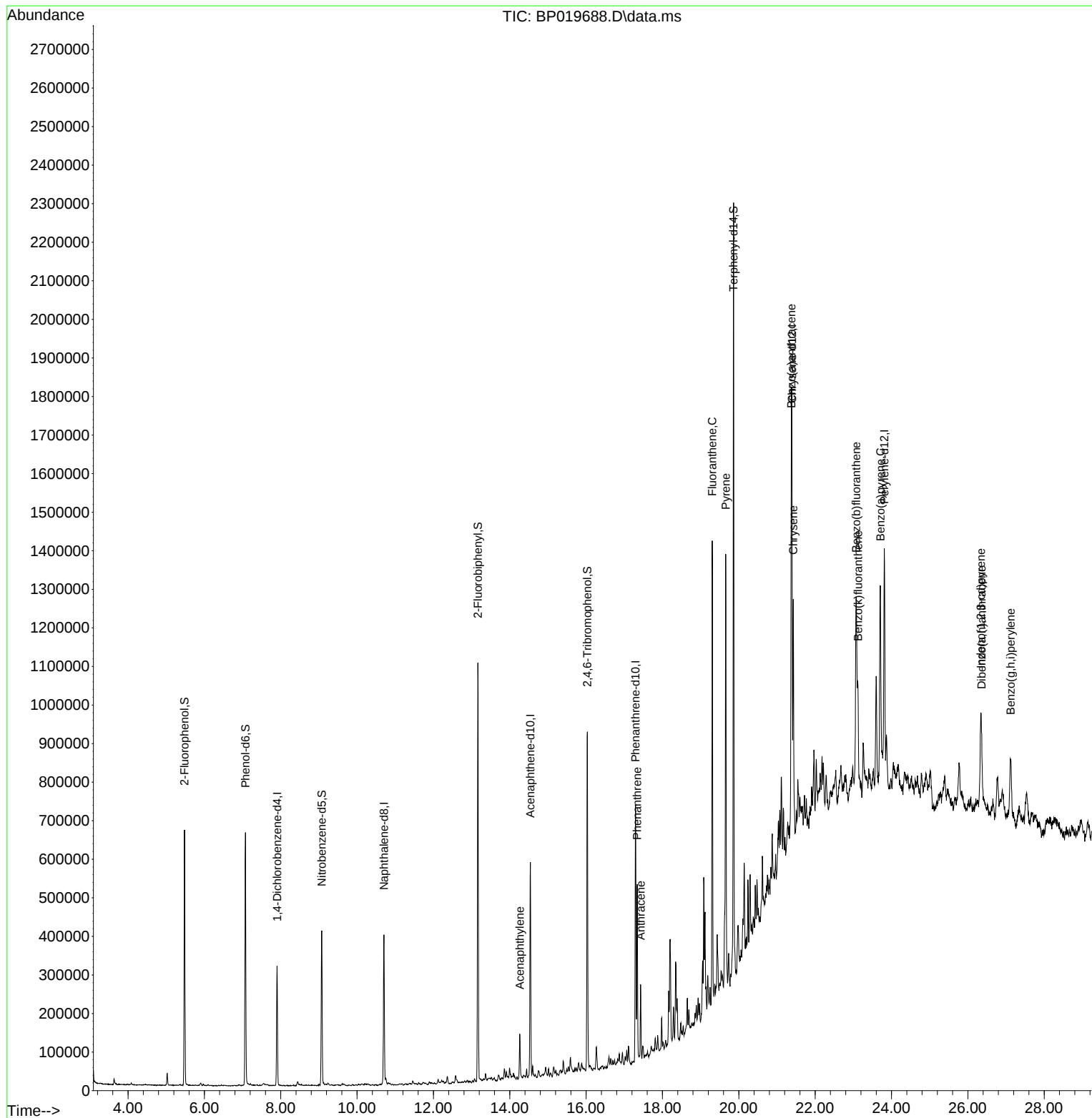
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021324\
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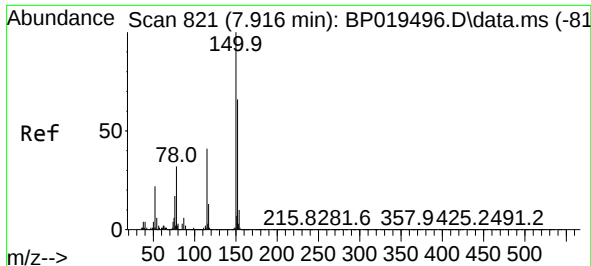
Instrument :
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OK-01-02092024

Quant Time: Feb 13 23:27:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
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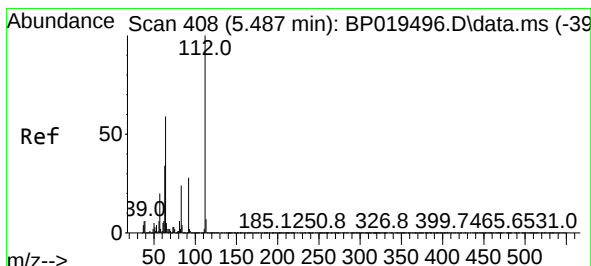
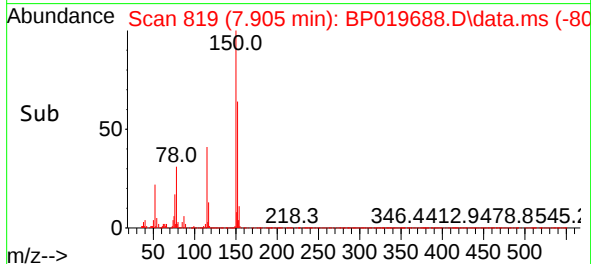
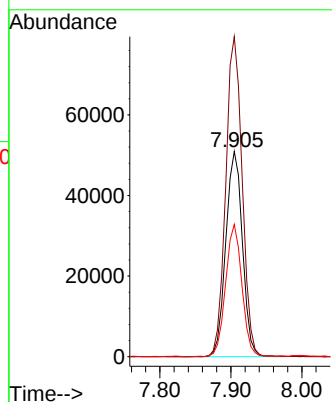
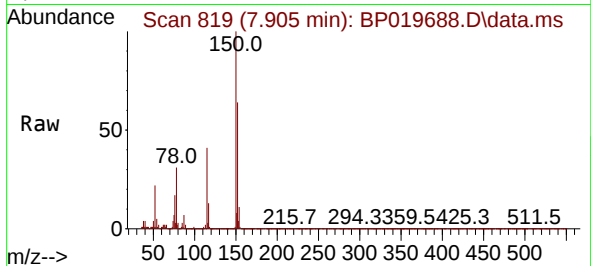
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

Instrument :
BNA_P
ClientSampleId :
OK-01-02092024

Tgt Ion:152 Resp: 8266
Ion Ratio Lower Upper
152 100
150 155.9 121.8 182.8
115 64.5 49.9 74.9

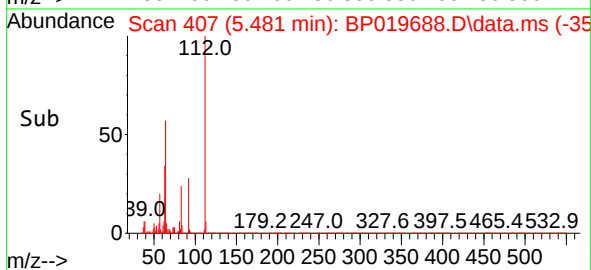
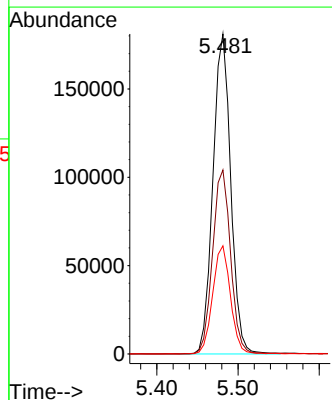
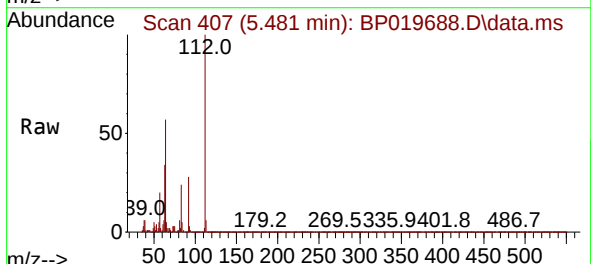
Manual Integrations
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#5
2-Fluorophenol
Concen: 53.761 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.005 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

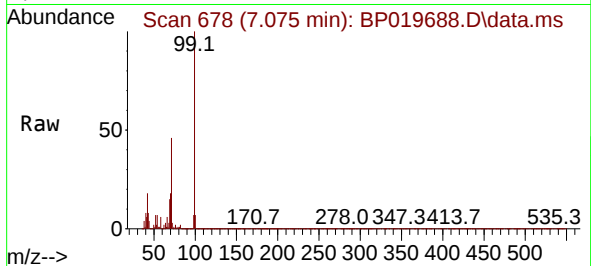
Tgt Ion:112 Resp: 275711
Ion Ratio Lower Upper
112 100
64 57.5 47.4 71.0
63 33.8 27.0 40.6





#7
Phenol-d6
Concen: 52.089 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

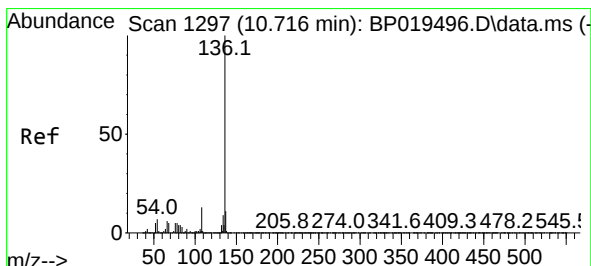
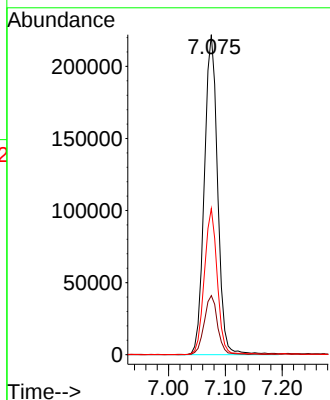
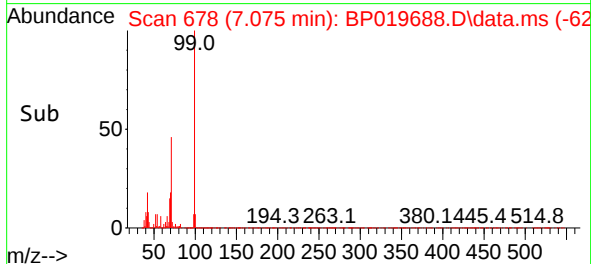
Instrument :
BNA_P
ClientSampleId :
OK-01-02092024



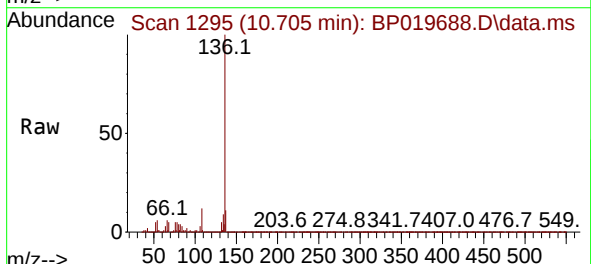
Tgt Ion: 99 Resp: 360198
Ion Ratio Lower Upper
99 100
42 18.4 14.7 22.1
71 45.7 34.8 52.2

Manual Integrations
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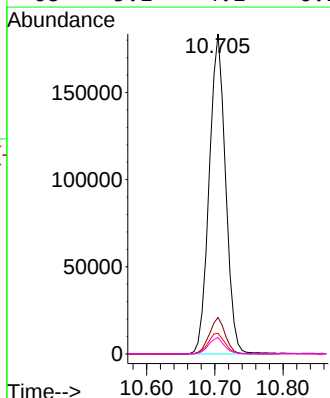
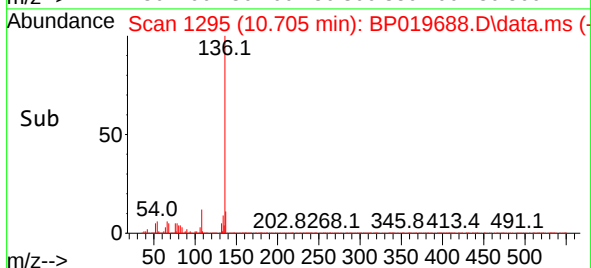
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.705 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06



Tgt Ion:136 Resp: 306591
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 6.5 5.3 7.9
68 5.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 34.998 ng

RT: 9.075 min Scan# 1018

Delta R.T. -0.011 min

Lab File: BP019688.D

Acq: 13 Feb 2024 21:06

Instrument :

BNA_P

ClientSampleId :

OK-01-02092024

Tgt Ion: 82 Resp: 247630

Ion Ratio Lower Upper

82 100

128 38.6 29.7 44.5

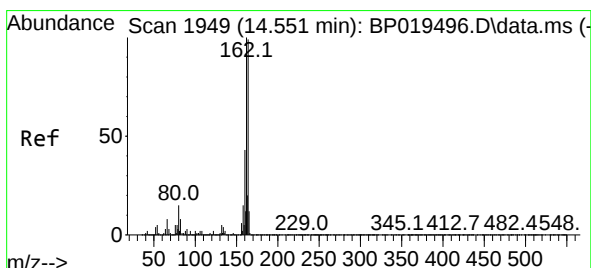
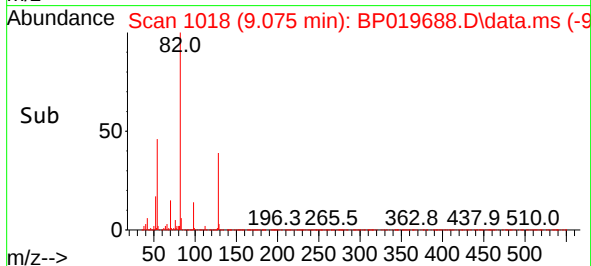
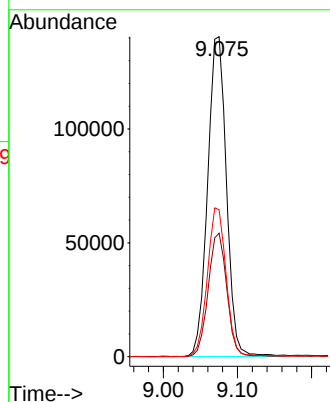
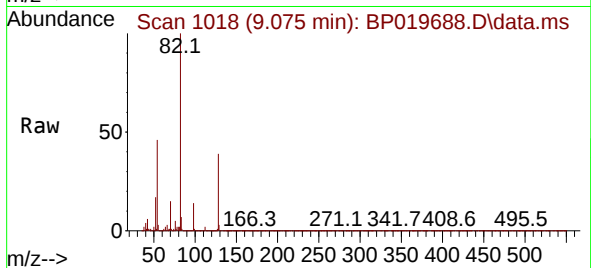
54 46.0 36.8 55.2

Manual Integrations

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Supervised By :mohammad ahmed 02/15/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1947

Delta R.T. -0.011 min

Lab File: BP019688.D

Acq: 13 Feb 2024 21:06

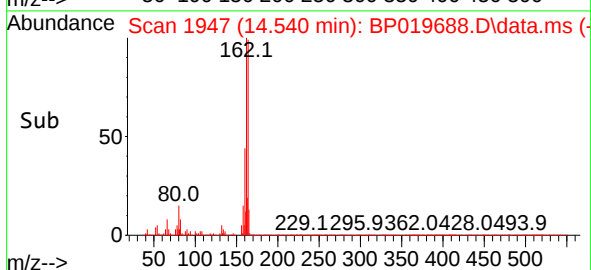
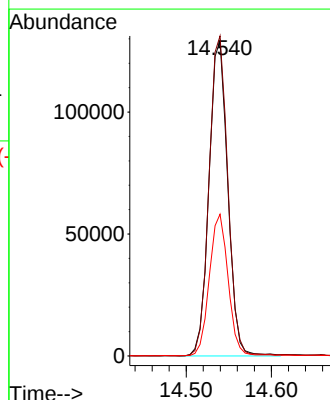
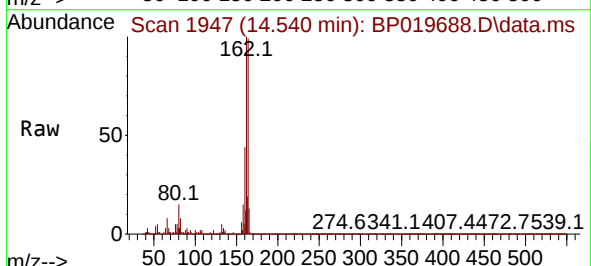
Tgt Ion:164 Resp: 197562

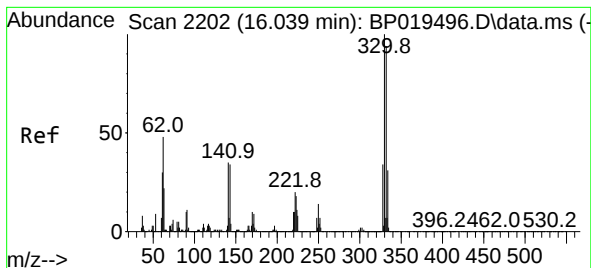
Ion Ratio Lower Upper

164 100

162 101.5 81.2 121.8

160 45.0 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 64.774 ng
RT: 16.034 min Scan# 21
Delta R.T. -0.005 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

Instrument :

BNA_P

ClientSampleId :

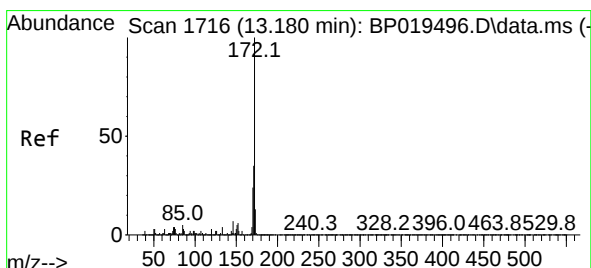
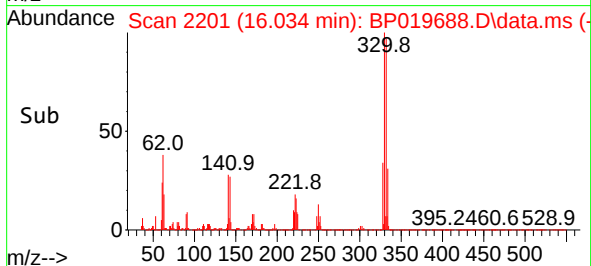
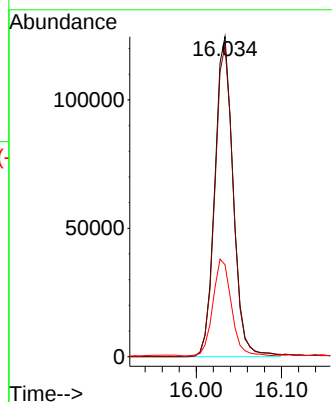
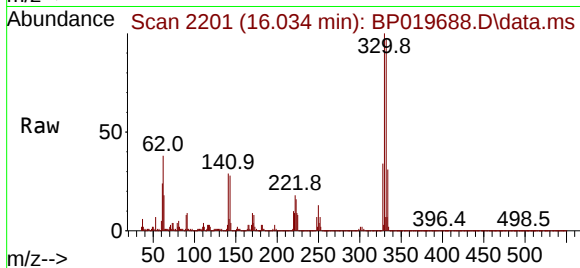
OK-01-02092024

Tgt Ion:330 Resp: 18684
Ion Ratio Lower Upper
330 100
332 98.4 77.2 115.8
141 30.5 27.0 40.4

Manual Integrations

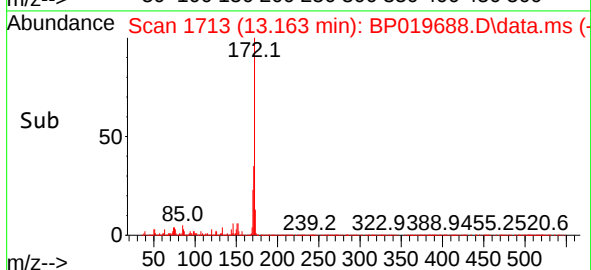
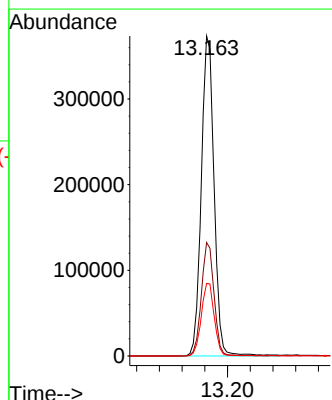
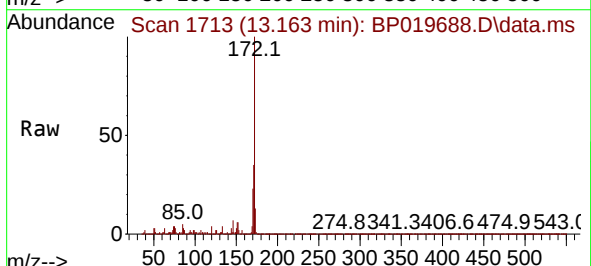
APPROVED

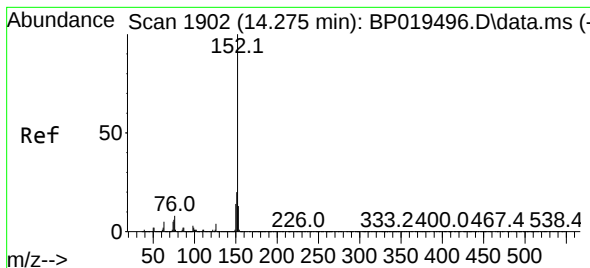
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#45
2-Fluorobiphenyl
Concen: 36.582 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.017 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

Tgt Ion:172 Resp: 584611
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 22.6 18.9 28.3





#49

Acenaphthylene

Concen: 4.871 ng

RT: 14.263 min Scan# 1900

Delta R.T. -0.011 min

Lab File: BP019688.D

Acq: 13 Feb 2024 21:06

Instrument :

BNA_P

ClientSampleId :

OK-01-02092024

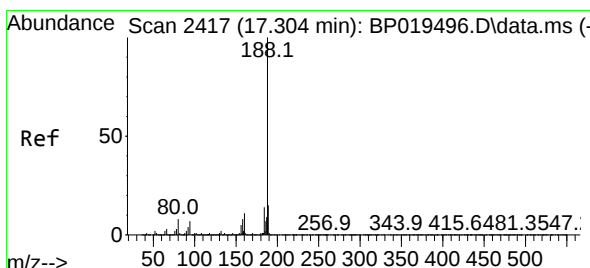
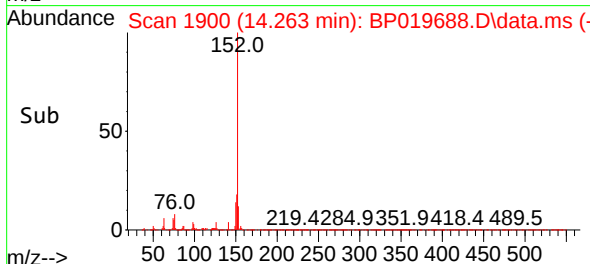
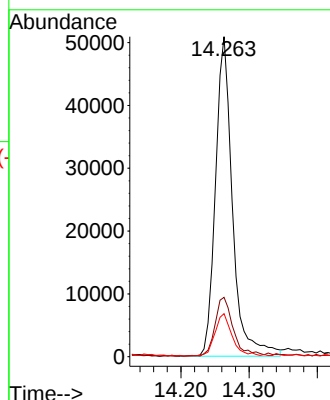
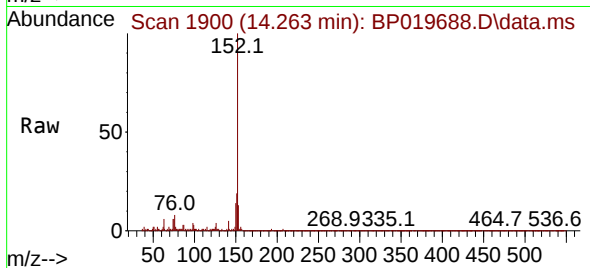
Tgt Ion:	152	Resp:	88458
Ion Ratio	Lower	Upper	
152	100		
151	18.5	15.8	23.6
153	13.4	10.6	15.8

Manual Integrations

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Supervised By :mohammad ahmed 02/15/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

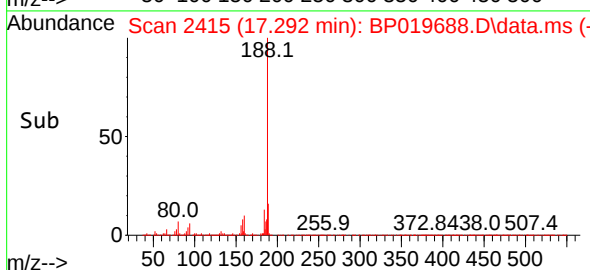
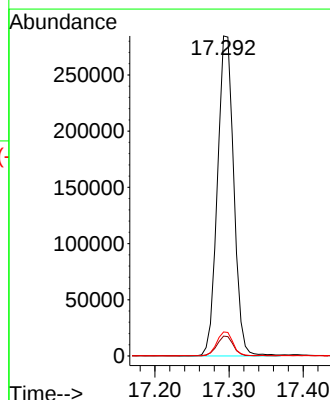
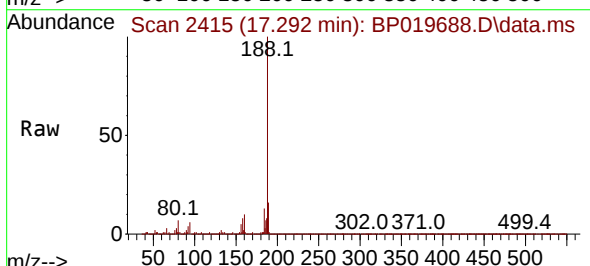
RT: 17.292 min Scan# 2415

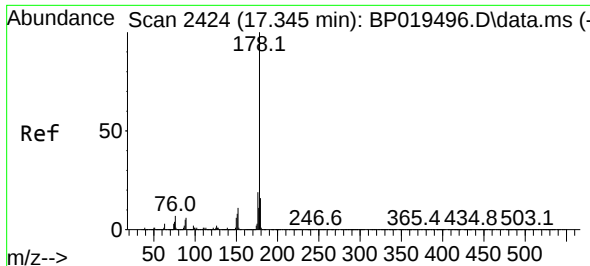
Delta R.T. -0.012 min

Lab File: BP019688.D

Acq: 13 Feb 2024 21:06

Tgt Ion:	188	Resp:	435837
Ion Ratio	Lower	Upper	
188	100		
94	6.2	5.4	8.2
80	7.5	6.3	9.5





#71
Phenanthrene
Concen: 12.458 ng
RT: 17.340 min Scan# 2424
Delta R.T. -0.005 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

Instrument :

BNA_P

ClientSampleId :

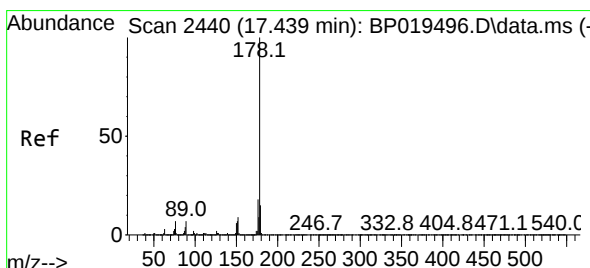
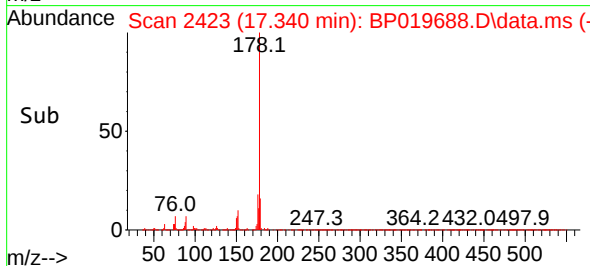
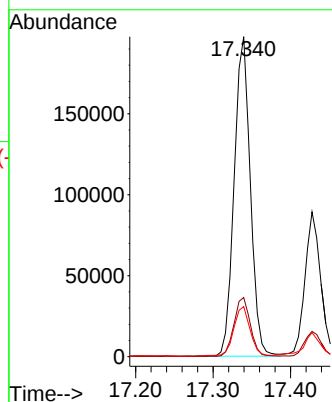
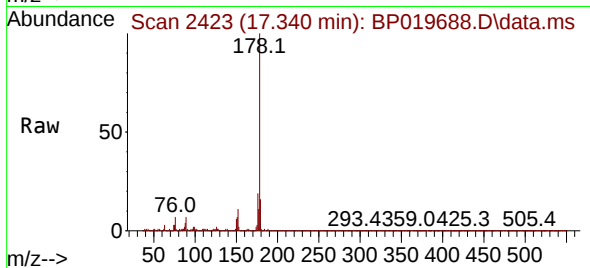
OK-01-02092024

Tgt Ion:178 Resp: 285738
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.7 12.6 19.0

Manual Integrations

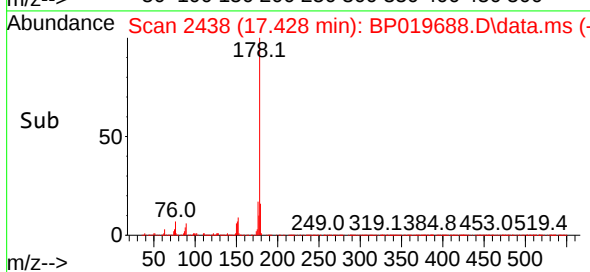
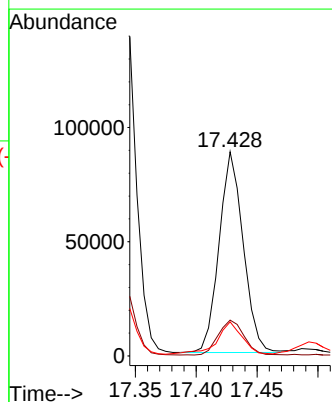
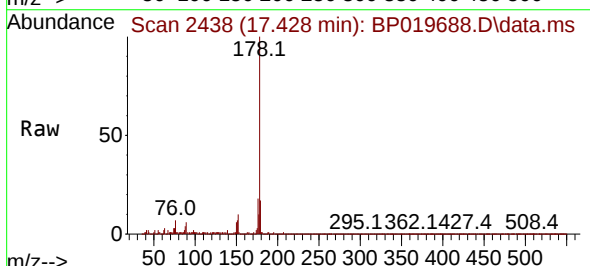
APPROVED

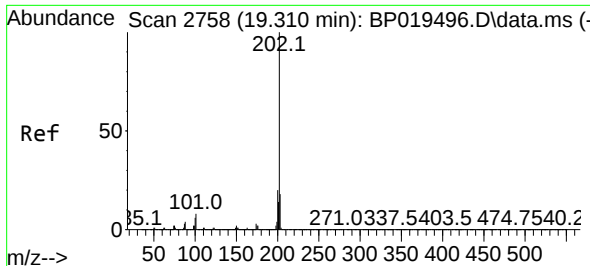
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#72
Anthracene
Concen: 5.299 ng
RT: 17.428 min Scan# 2438
Delta R.T. -0.011 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

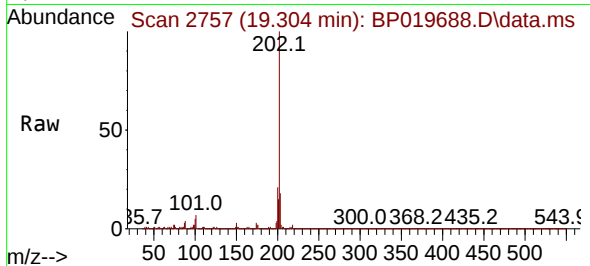
Tgt Ion:178 Resp: 121236
Ion Ratio Lower Upper
178 100
176 17.5 14.7 22.1
179 16.7 12.2 18.2





#75
Fluoranthene
Concen: 25.013 ng
RT: 19.304 min Scan# 21
Delta R.T. -0.005 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

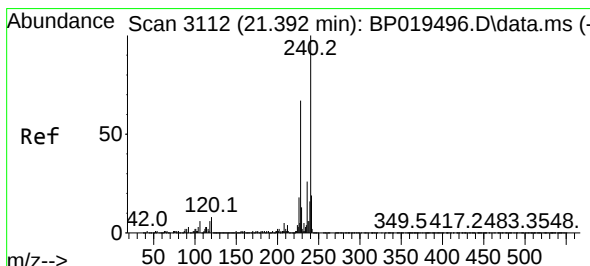
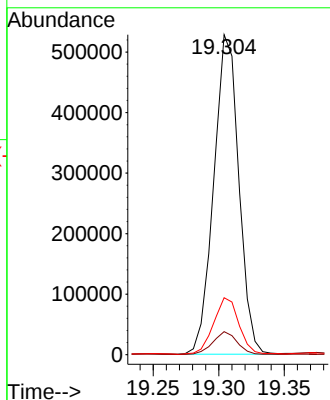
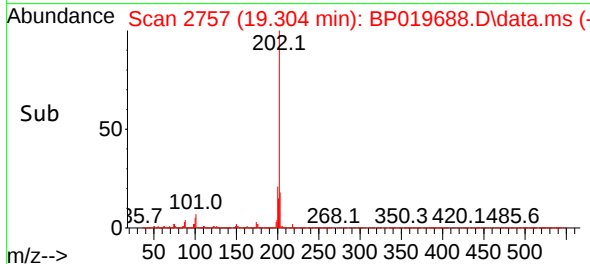
Instrument :
BNA_P
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OK-01-02092024



Tgt Ion:202 Resp: 700838
Ion Ratio Lower Upper
202 100
101 7.2 0.0 27.7
203 17.8 0.0 37.5

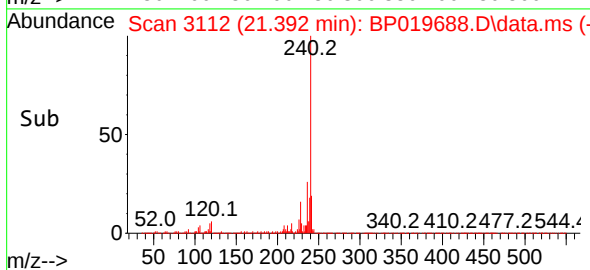
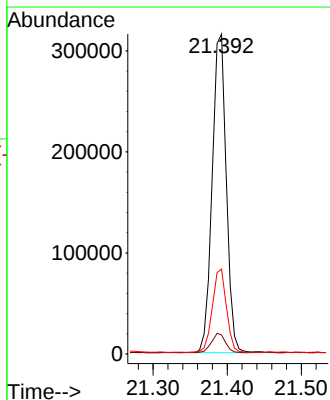
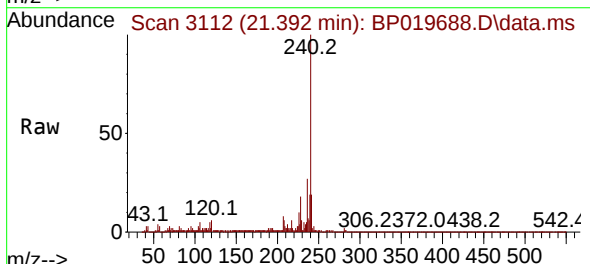
Manual Integrations
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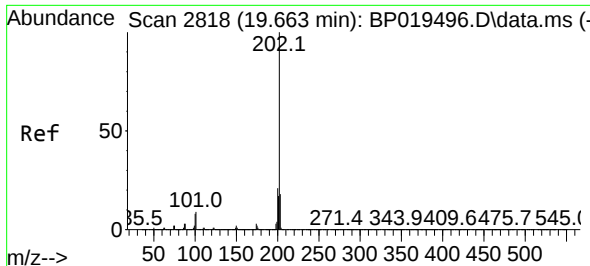
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

Tgt Ion:240 Resp: 417465
Ion Ratio Lower Upper
240 100
120 6.0 6.1 9.1#
236 26.6 20.7 31.1





#78
Pyrene
Concen: 23.909 ng
RT: 19.657 min Scan# 21
Delta R.T. -0.005 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

Instrument :

BNA_P

ClientSampleId :

OK-01-02092024

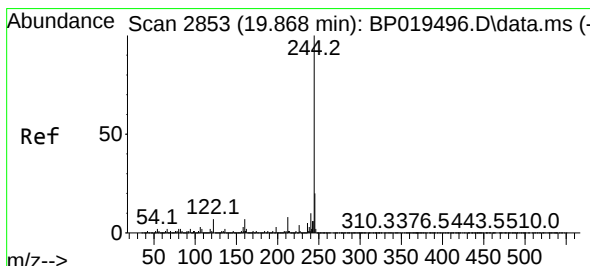
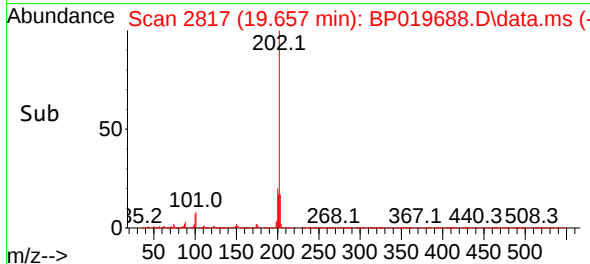
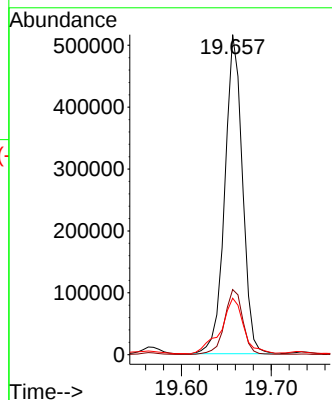
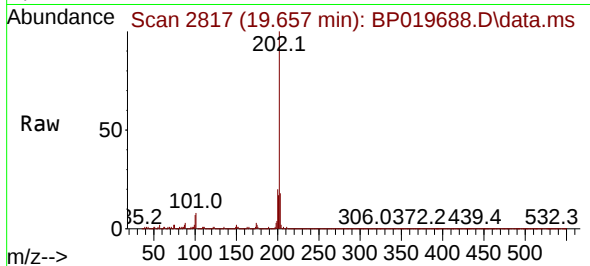
Tgt Ion:202 Resp: 70444
Ion Ratio Lower Upper
202 100
200 20.4 16.9 25.3
203 17.6 14.2 21.2

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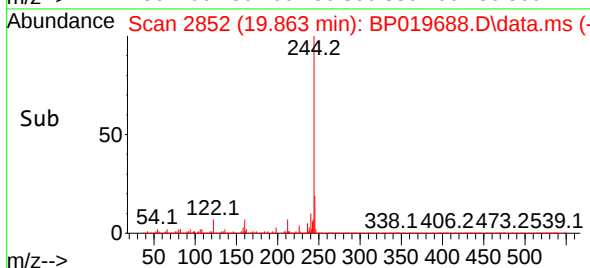
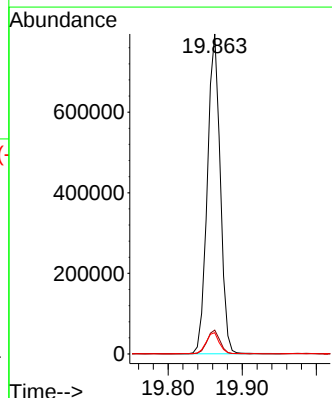
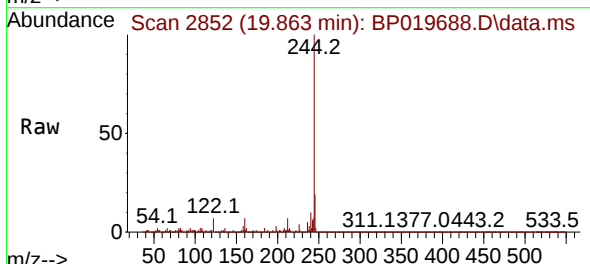
Reviewed By :Yogesh Patel 02/15/2024

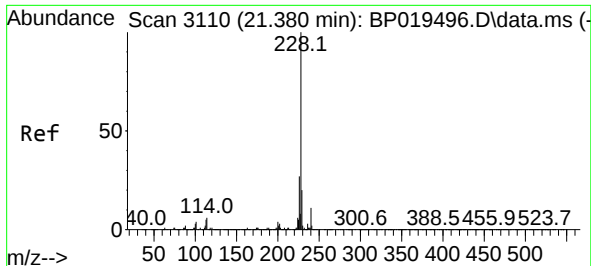
Supervised By :mohammad ahmed 02/15/2024



#79
Terphenyl-d14
Concen: 37.730 ng
RT: 19.863 min Scan# 2852
Delta R.T. -0.005 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

Tgt Ion:244 Resp: 957781
Ion Ratio Lower Upper
244 100
212 7.5 6.1 9.1
122 6.6 5.9 8.9





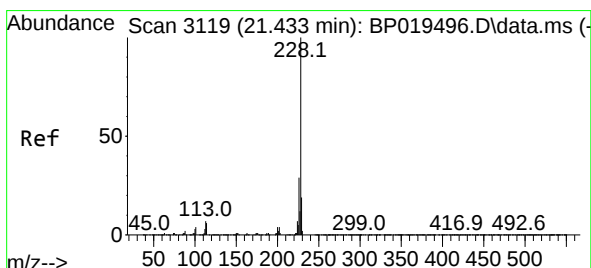
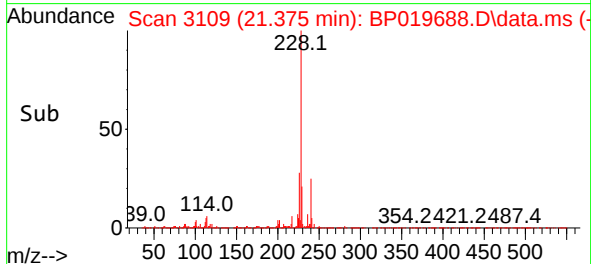
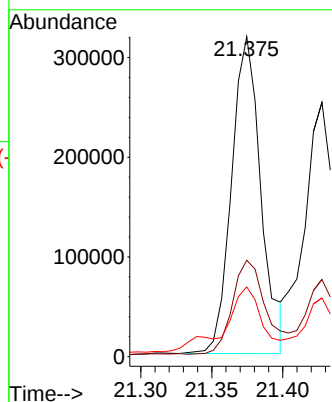
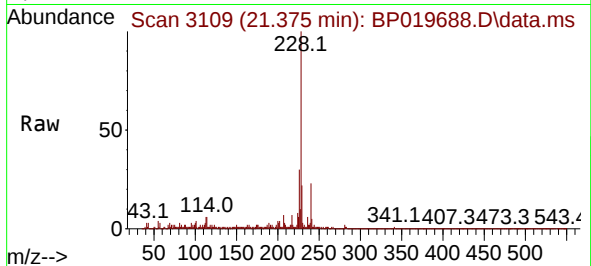
#81
Benzo(a)anthracene
Concen: 15.581 ng
RT: 21.375 min Scan# 3110
Delta R.T. -0.005 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

Instrument :
BNA_P
ClientSampleId :
OK-01-02092024

Tgt Ion:228 Resp: 457860
Ion Ratio Lower Upper
228 100
226 30.2 21.7 32.5
229 21.8 15.6 23.4

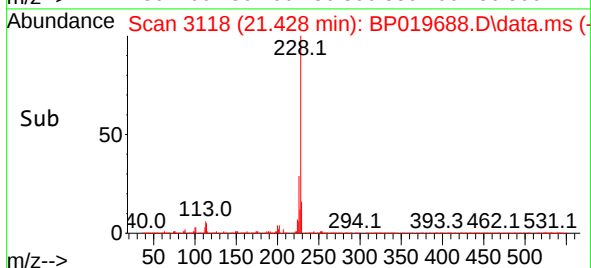
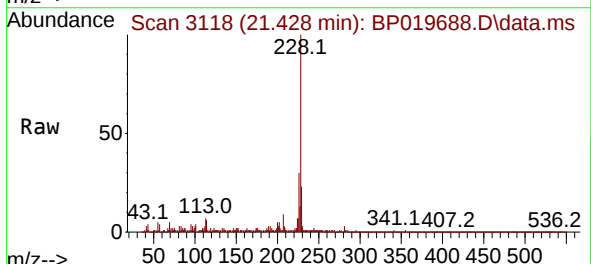
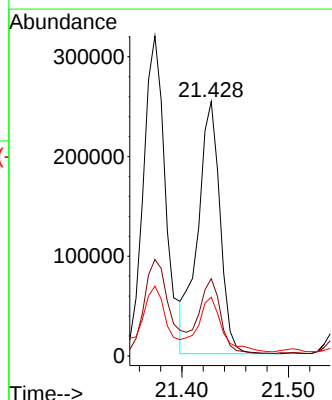
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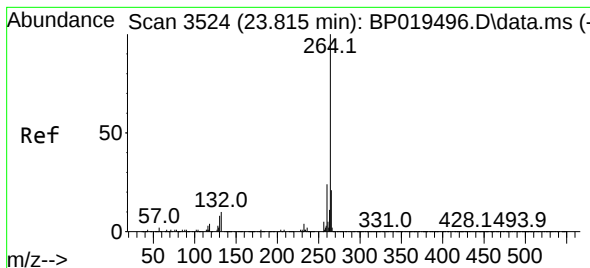
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#83
Chrysene
Concen: 13.208 ng
RT: 21.428 min Scan# 3118
Delta R.T. -0.005 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

Tgt Ion:228 Resp: 368505
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.2
229 23.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3524

Delta R.T. -0.005 min

Lab File: BP019688.D

Acq: 13 Feb 2024 21:06

Instrument :

BNA_P

ClientSampleId :

OK-01-02092024

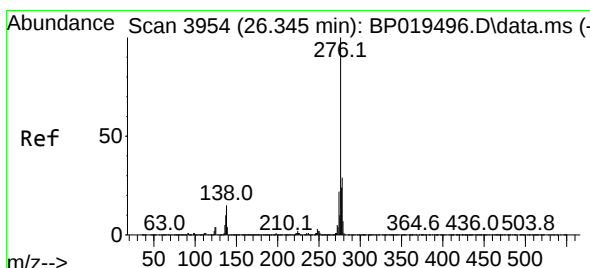
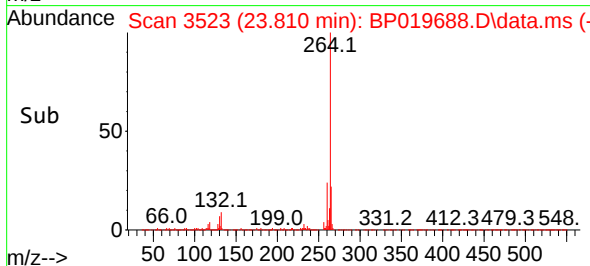
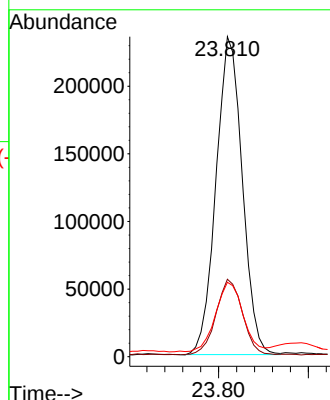
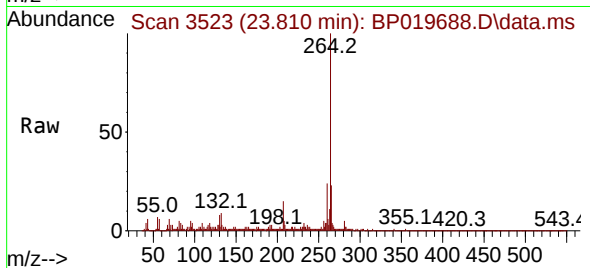
Tgt Ion:	264	Resp:	477420
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	23.2	17.0	25.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/15/2024

Supervised By :mohammad ahmed 02/15/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.387 ng

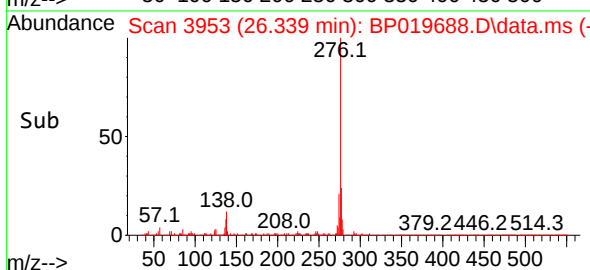
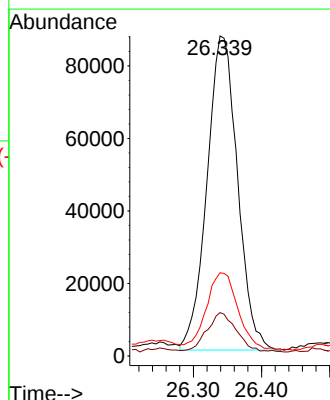
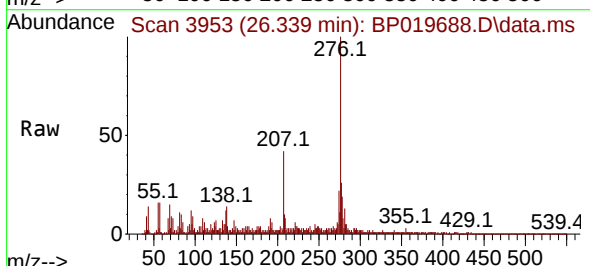
RT: 26.339 min Scan# 3953

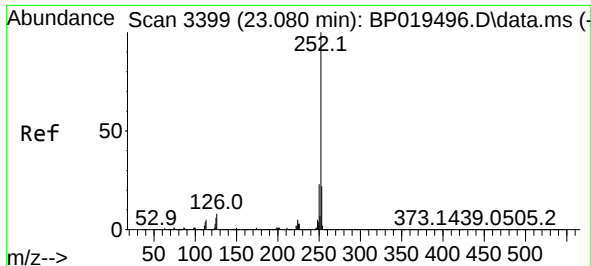
Delta R.T. -0.005 min

Lab File: BP019688.D

Acq: 13 Feb 2024 21:06

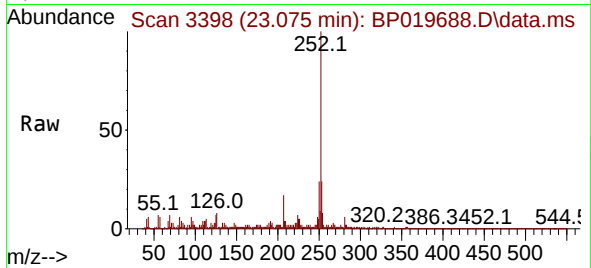
Tgt Ion:	276	Resp:	269968
Ion Ratio	Lower	Upper	
276	100		
138	12.3	13.1	19.7#
277	26.0	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 18.210 ng
RT: 23.075 min Scan# 31
Delta R.T. -0.005 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

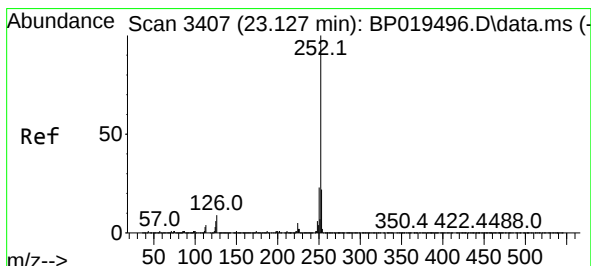
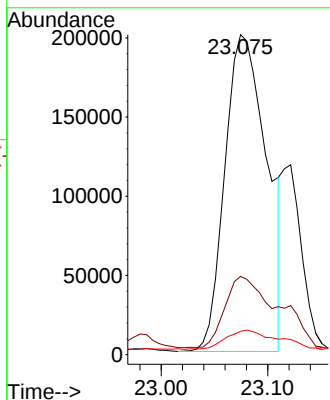
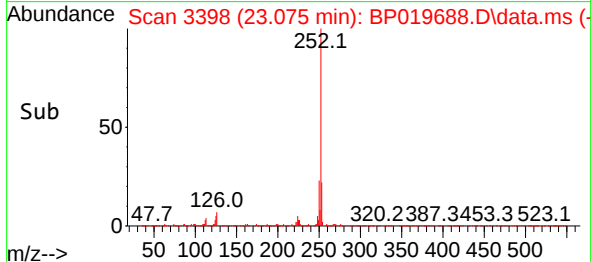
Instrument :
BNA_P
ClientSampleId :
OK-01-02092024



Tgt Ion:252 Resp: 547920
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 7.3 4.9 7.3

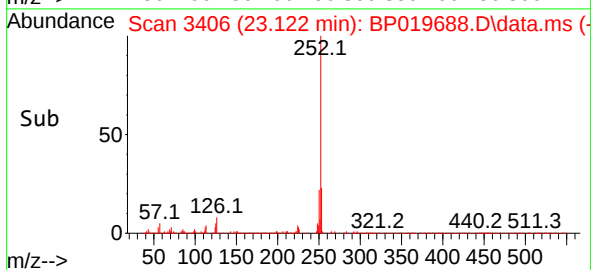
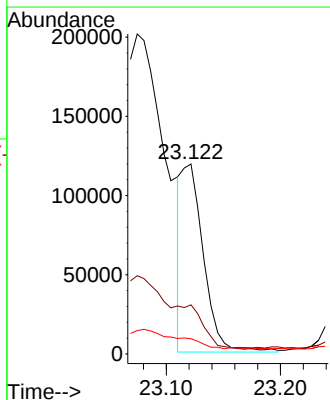
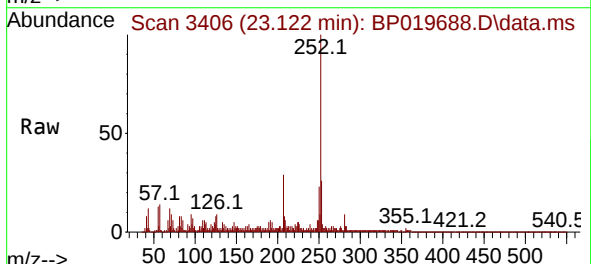
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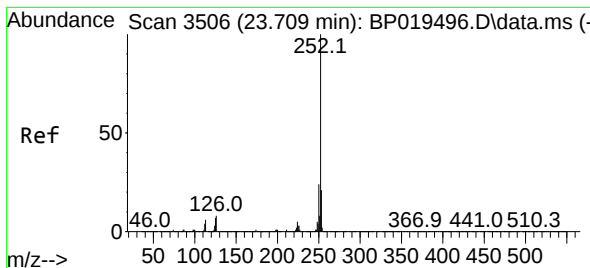
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#89
Benzo(k)fluoranthene
Concen: 5.462 ng m
RT: 23.122 min Scan# 3406
Delta R.T. -0.005 min
Lab File: BP019688.D
Acq: 13 Feb 2024 21:06

Tgt Ion:252 Resp: 156991
Ion Ratio Lower Upper
252 100
253 25.9 17.1 25.7#
125 8.0 5.0 7.6#





#90

Benzo(a)pyrene

Concen: 15.703 ng

RT: 23.710 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP019688.D

Acq: 13 Feb 2024 21:06

Instrument :

BNA_P

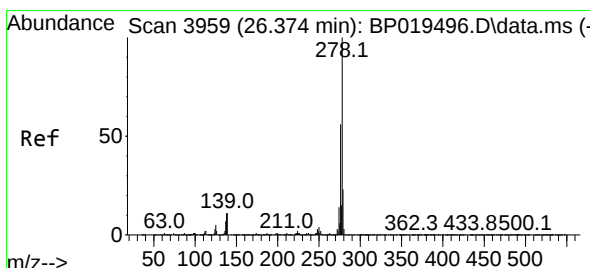
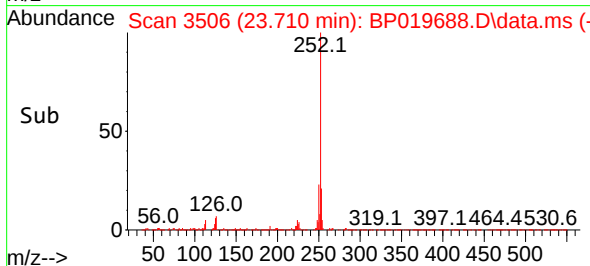
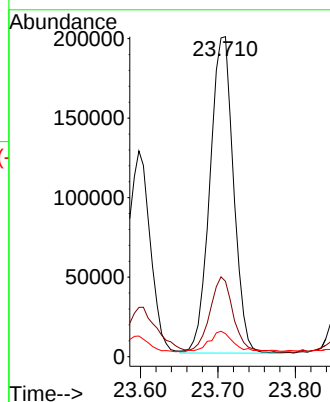
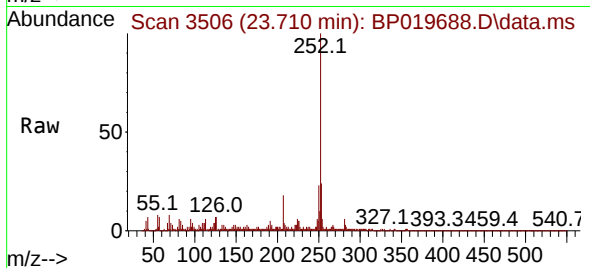
ClientSampleId :

OK-01-02092024

Tgt Ion:252 Resp: 420408
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.1 25.7
 125 7.2 5.6 8.4

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Reviewed By :Yogesh Patel 02/15/2024
 Supervised By :mohammad ahmed 02/15/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.588 ng

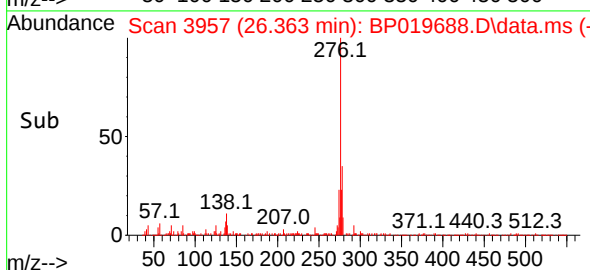
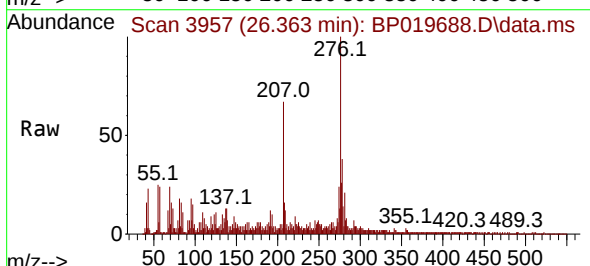
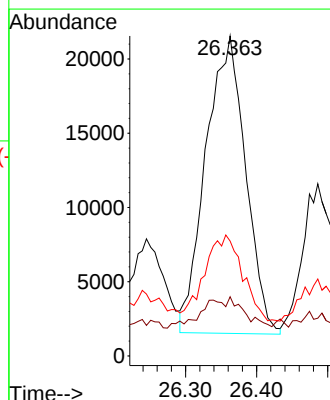
RT: 26.363 min Scan# 3957

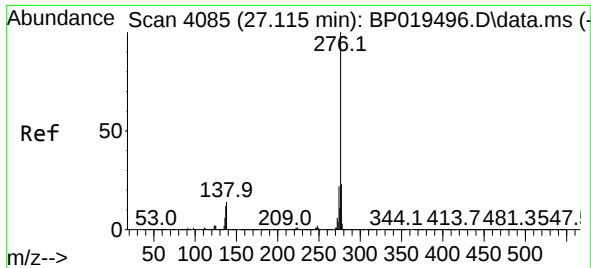
Delta R.T. -0.011 min

Lab File: BP019688.D

Acq: 13 Feb 2024 21:06

Tgt Ion:278 Resp: 77780
 Ion Ratio Lower Upper
 278 100
 139 18.5 8.6 12.8#
 279 35.9 18.5 27.7#





#92

Benzo(g,h,i)perylene

Concen: 8.703 ng

RT: 27.121 min Scan# 4086

Delta R.T. 0.006 min

Lab File: BP019688.D

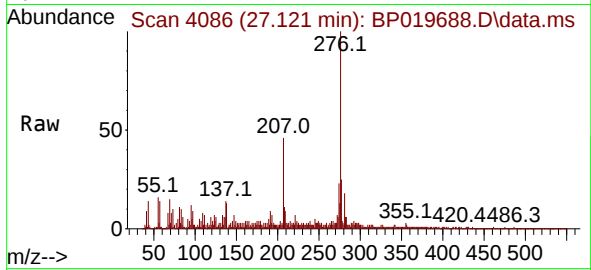
Acq: 13 Feb 2024 21:06

Instrument :

BNA_P

ClientSampleId :

OK-01-02092024



Tgt Ion: 276 Resp: 26536

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 12.5 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/15/2024

Supervised By :mohammad ahmed 02/15/2024

