

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
 Data File : BN018194.D
 Acq On : 24 Dec 2021 00:26
 Operator : CG/JU
 Sample : M5107-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-03

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2021
 Supervised By :mohammad ahmed 12/30/2021

Quant Time: Dec 24 23:33:19 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 23 14:22:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.624	152	23813	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	102246	0.400	ng	# 0.00
13) Acenaphthene-d10	14.256	164	68628	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	127372	0.400	ng	# 0.00
29) Chrysene-d12	21.249	240	48001m	0.400	ng	0.05
35) Perylene-d12	23.519	264	48585m	0.400	ng	0.10
System Monitoring Compounds						
4) 2-Fluorophenol	5.254	112	141	0.003	ng	0.03
5) Phenol-d6	6.822	99	1920	0.034	ng	0.00
8) Nitrobenzene-d5	8.759	82	18400m	0.267	ng	-0.01
11) 2-Methylnaphthalene-d10	11.994	152	36130	0.206	ng	0.00
14) 2,4,6-Tribromophenol	15.779	330	165	0.184	ng	0.03
15) 2-Fluorobiphenyl	12.873	172	57622	0.225	ng	-0.01
27) Fluoranthene-d10	19.043	212	51556	0.128	ng	0.01
31) Terphenyl-d14	19.664	244	33599	0.318	ng	0.02
Target Compounds						Qvalue
9) Naphthalene	10.445	128	34318	0.136	ng	98
12) 2-Methylnaphthalene	12.065	142	16278	0.098	ng	96
25) Phenanthrene	17.030	178	205332m	0.607	ng	
26) Anthracene	17.127	178	19563	0.070	ng	# 47
28) Fluoranthene	19.073	202	134542	0.341	ng	# 94
30) Pyrene	19.440	202	108136m	0.702	ng	
32) Benzo(a)anthracene	21.227	228	33793m	0.242	ng	
33) Chrysene	21.281	228	55454m	0.365	ng	
34) Bis(2-ethylhexyl)phtha...	21.174	149	2457378m	31.797	ng	
36) Indeno(1,2,3-cd)pyrene	25.768	276	19331	0.137	ng	# 76
37) Benzo(b)fluoranthene	22.844	252	49944	0.332	ng	# 1
38) Benzo(k)fluoranthene	22.879	252	25676m	0.170	ng	
39) Benzo(a)pyrene	23.327	252	27283	0.202	ng	# 1
40) Dibenzo(a,h)anthracene	25.778	278	7762	0.094	ng	# 1
41) Benzo(g,h,i)perylene	26.452	276	23998	0.185	ng	# 1

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

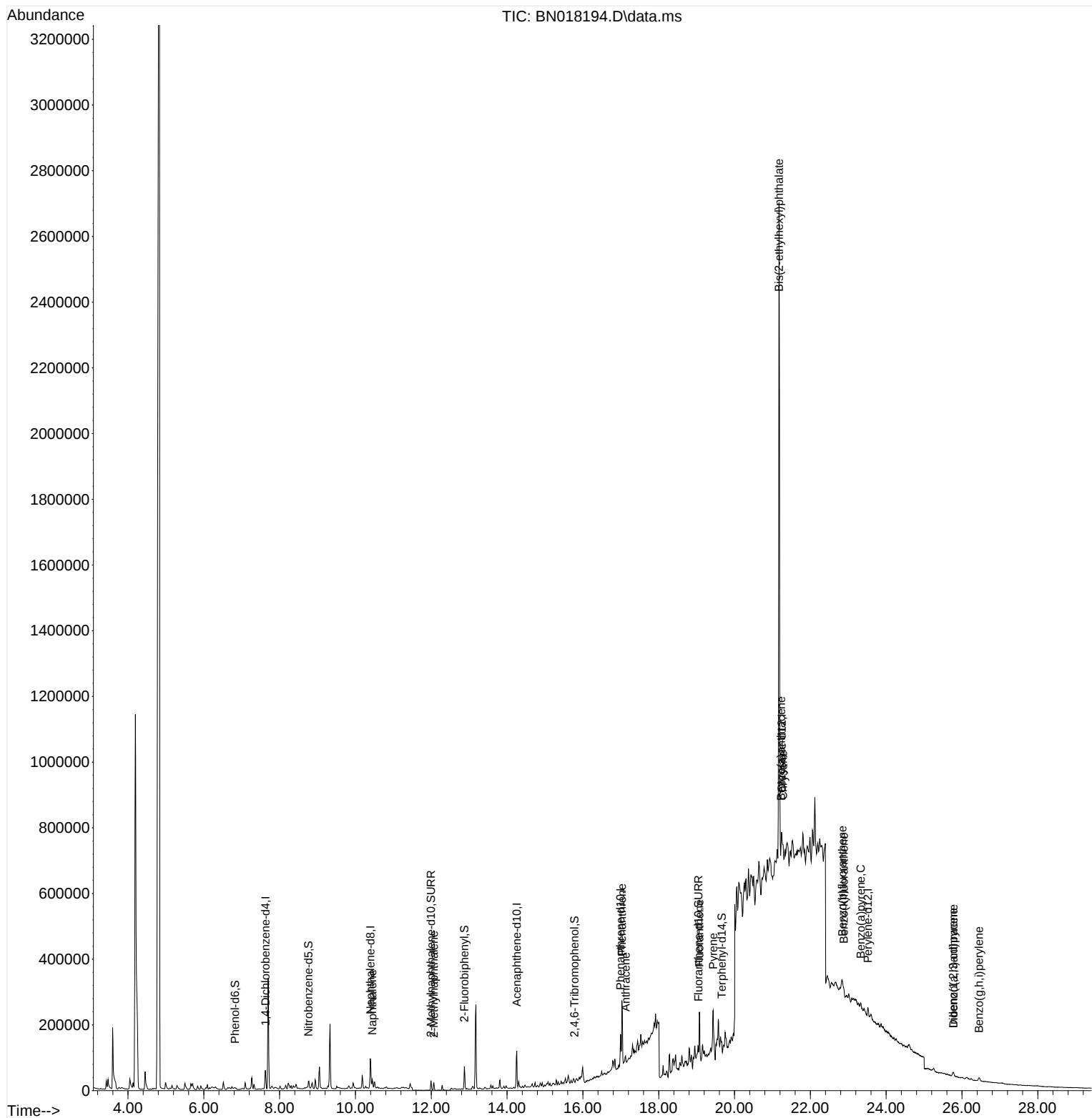
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
Data File : BN018194.D
Acq On : 24 Dec 2021 00:26
Operator : CG/JU
Sample : M5107-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

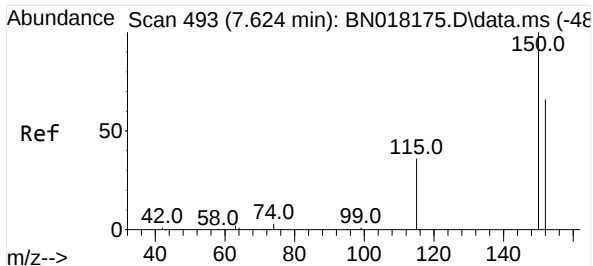
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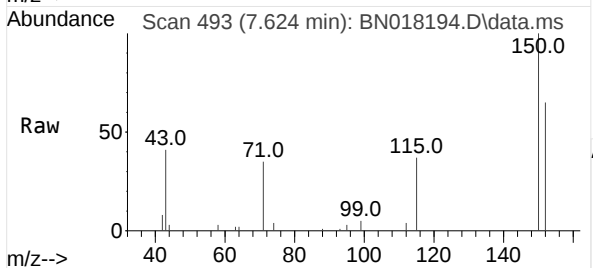
Quant Time: Dec 24 23:33:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 23 14:22:48 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.624 min Scan# 493
Delta R.T. 0.000 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26

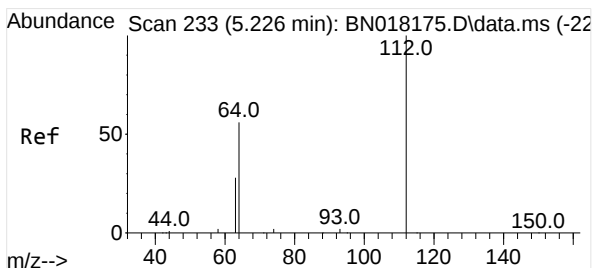
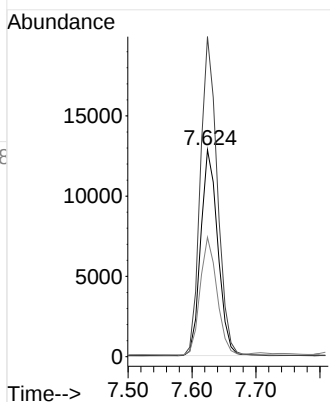
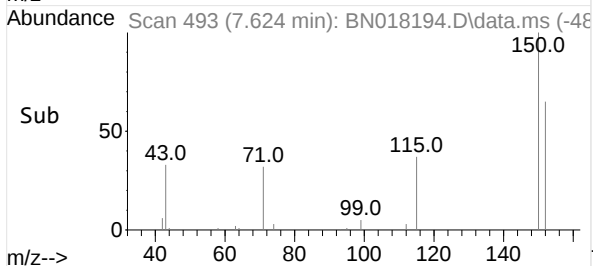
Instrument :
BNA_N
ClientSampleId :
OB-CS-03



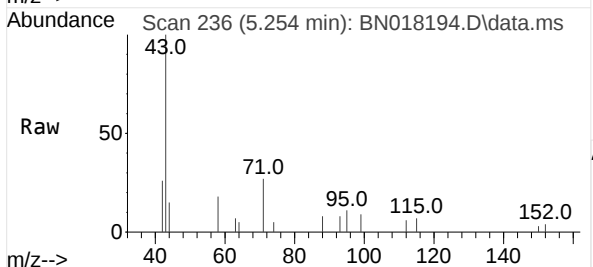
Tgt Ion:152 Resp: 2381
Ion Ratio Lower Upper
152 100
150 154.7 121.7 182.5
115 57.7 43.8 65.8

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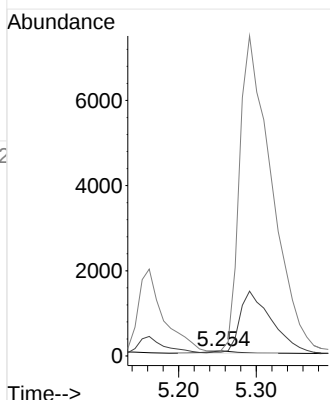
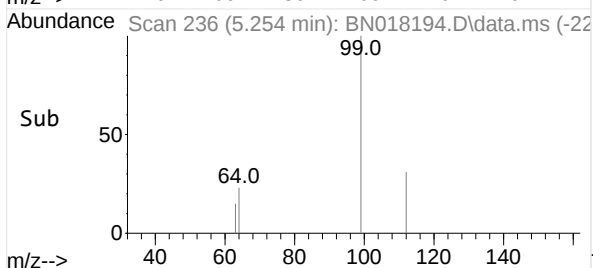
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

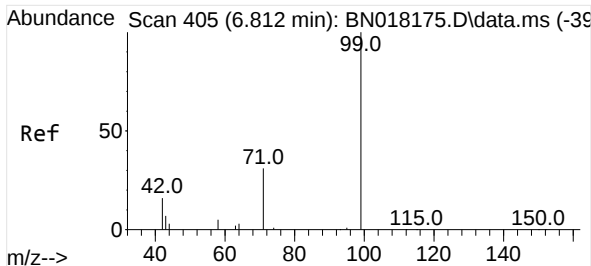


#4
2-Fluorophenol
Concen: 0.003 ng
RT: 5.254 min Scan# 236
Delta R.T. 0.028 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26



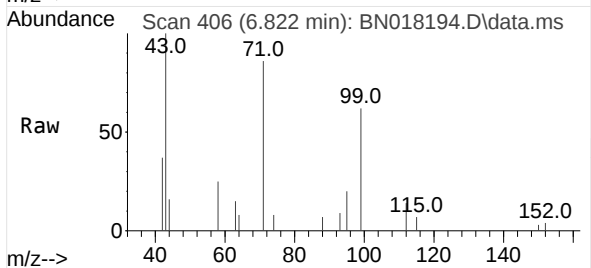
Tgt Ion:112 Resp: 141
Ion Ratio Lower Upper
112 100
64 0.0 48.0 72.0#
63 0.0 25.3 37.9#





#5
Phenol-d6
Concen: 0.034 ng
RT: 6.822 min Scan# 405
Delta R.T. 0.010 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26

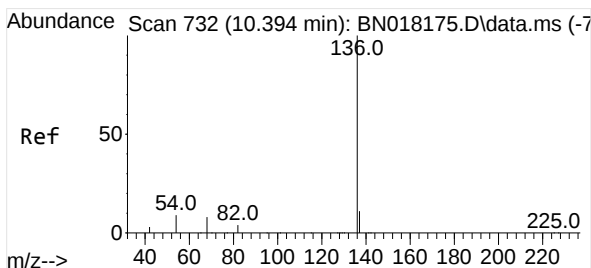
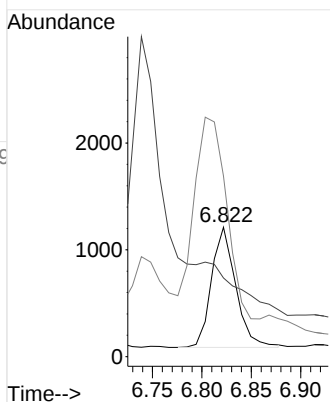
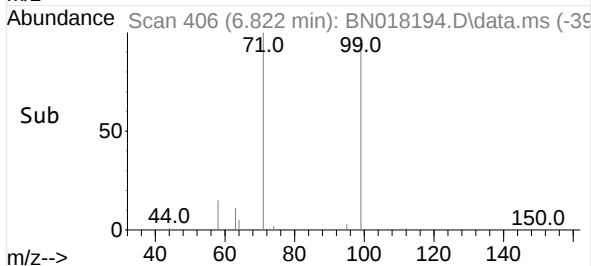
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 1920
Ion Ratio Lower Upper
99 100
42 0.0 16.3 24.5
71 220.9 26.8 40.2

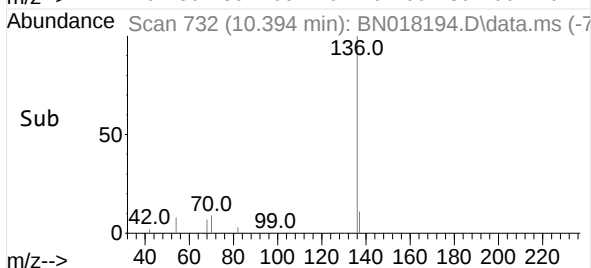
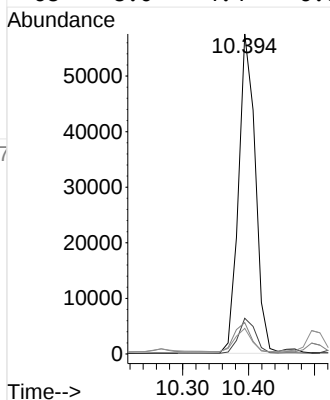
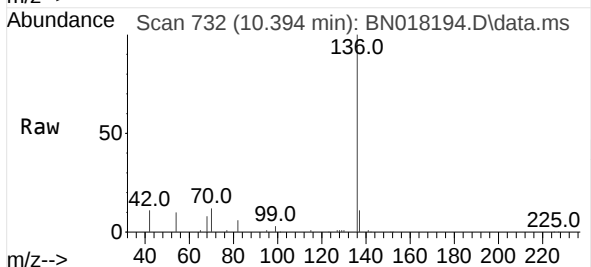
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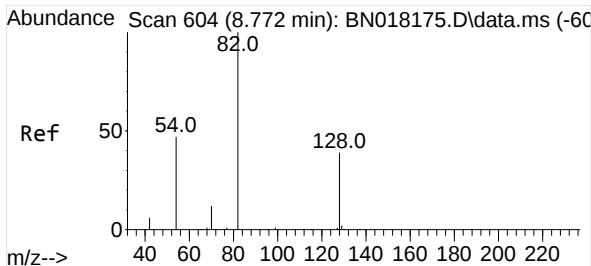
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 732
Delta R.T. 0.000 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26

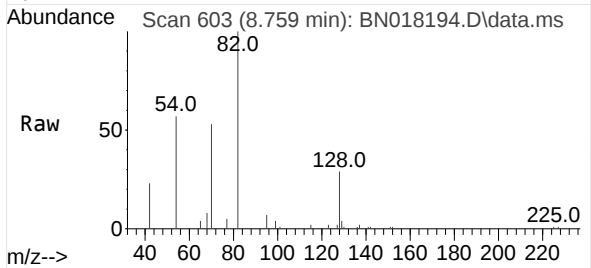
Tgt Ion:136 Resp: 102246
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.8 5.0 7.6#
68 8.0 4.4 6.6#





#8
Nitrobenzene-d5
Concen: 0.267 ng m
RT: 8.759 min Scan# 604
Delta R.T. -0.013 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26

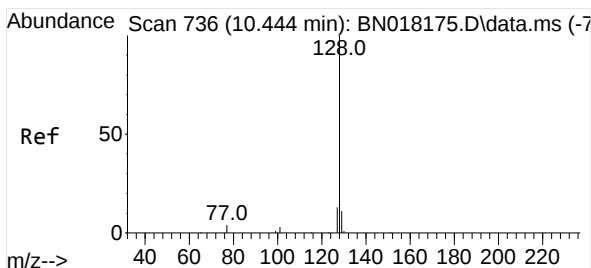
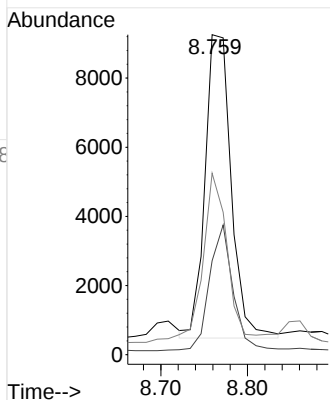
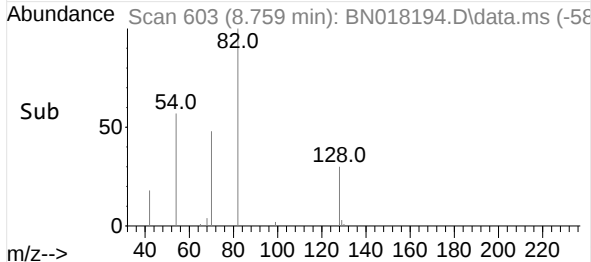
Instrument :
BNA_N
ClientSampleId :
OB-CS-03



Tgt Ion: 82 Resp: 18400
Ion Ratio Lower Upper
82 100
128 29.4 33.7 50.5
54 56.7 36.6 55.0

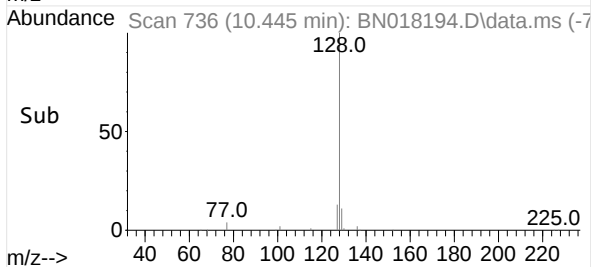
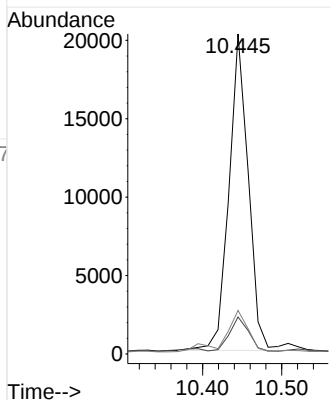
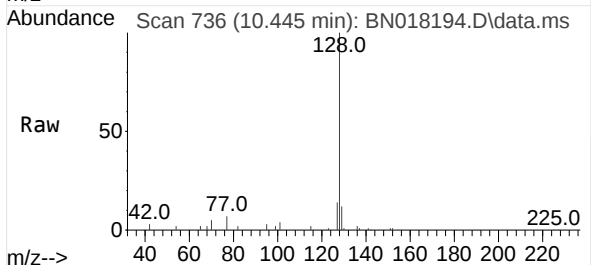
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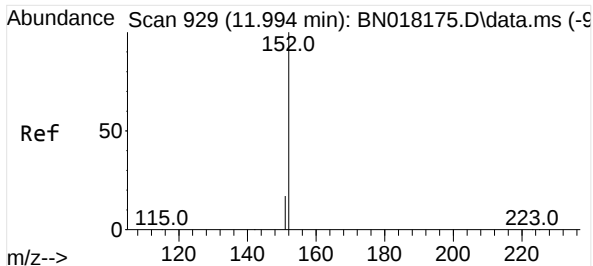
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#9
Naphthalene
Concen: 0.136 ng
RT: 10.445 min Scan# 736
Delta R.T. 0.001 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26

Tgt Ion:128 Resp: 34318
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 13.6 10.4 15.6





#11

2-Methylnaphthalene-d10

Concen: 0.206 ng

RT: 11.994 min Scan# 911

Delta R.T. -0.000 min

Lab File: BN018194.D

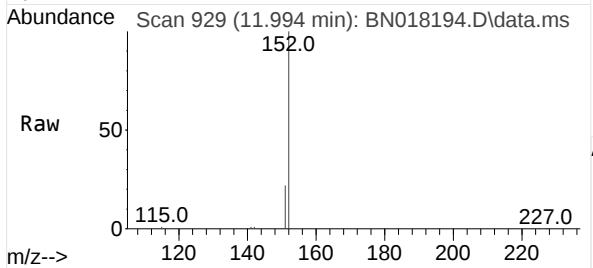
Acq: 24 Dec 2021 00:26

Instrument :

BNA_N

ClientSampleId :

OB-CS-03



Tgt Ion:152 Resp: 36130

Ion Ratio Lower Upper

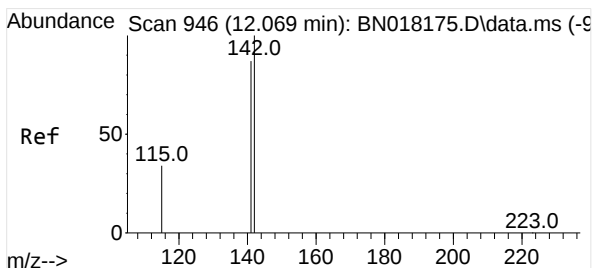
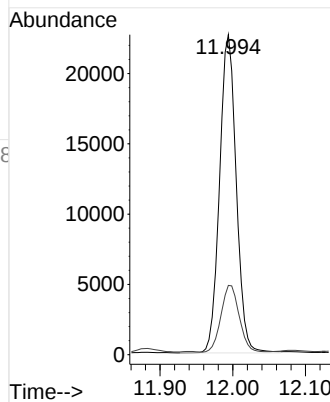
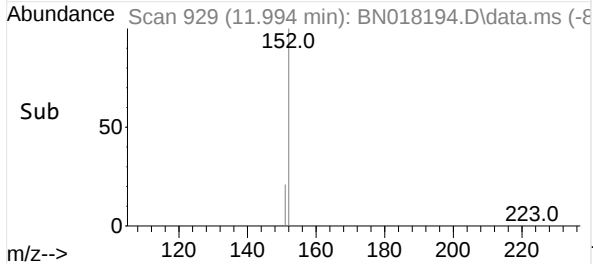
152 100

151 22.7 16.2 24.2

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Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#12

2-Methylnaphthalene

Concen: 0.098 ng

RT: 12.065 min Scan# 945

Delta R.T. -0.004 min

Lab File: BN018194.D

Acq: 24 Dec 2021 00:26

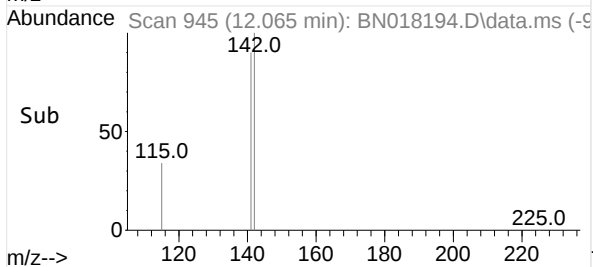
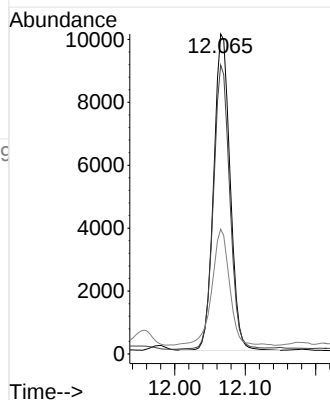
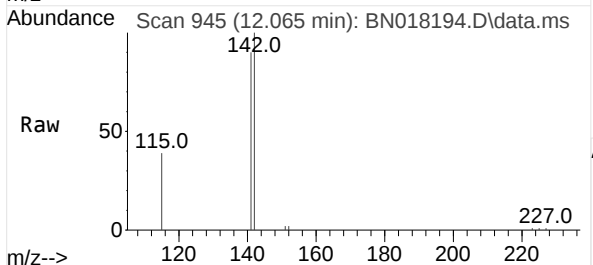
Tgt Ion:142 Resp: 16278

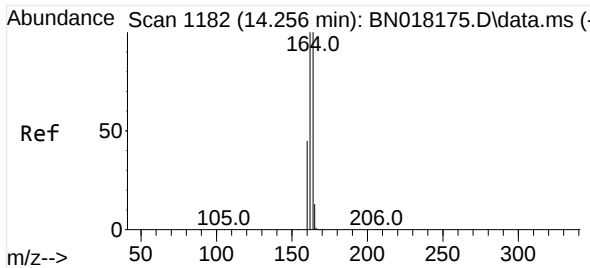
Ion Ratio Lower Upper

142 100

141 90.3 70.0 105.0

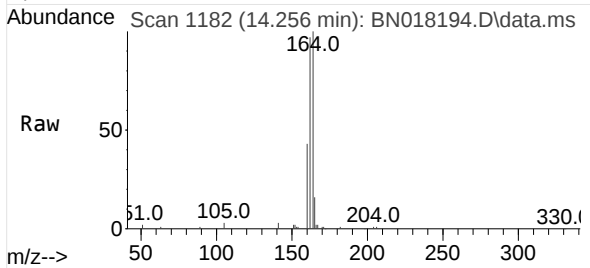
115 39.0 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26

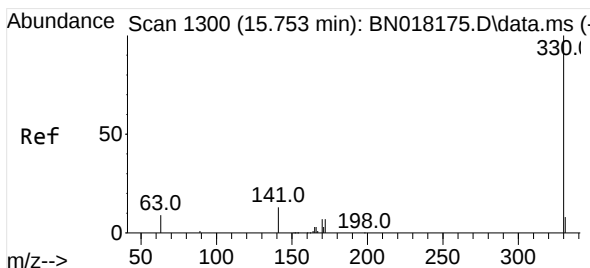
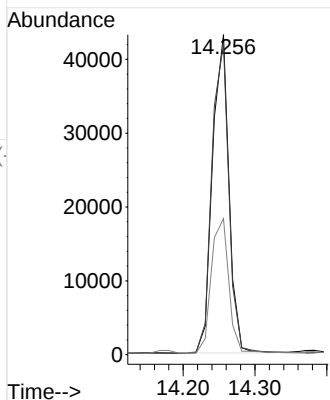
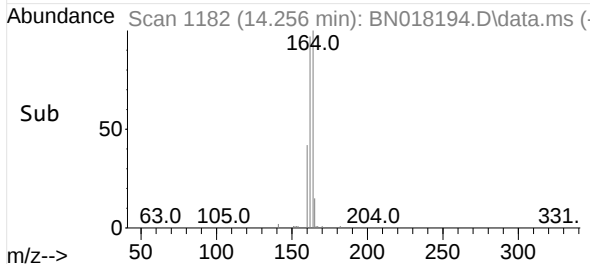
Instrument :
BNA_N
ClientSampleId :
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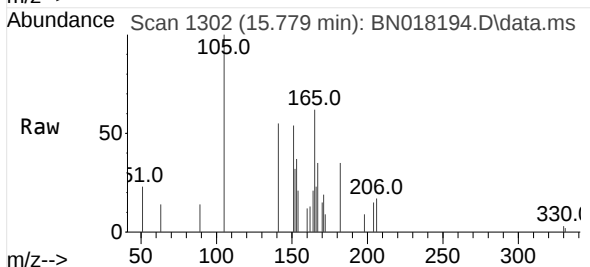
Tgt Ion:164 Resp: 68628
Ion Ratio Lower Upper
164 100
162 97.1 80.2 120.2
160 42.5 36.9 55.3

Manual Integrations
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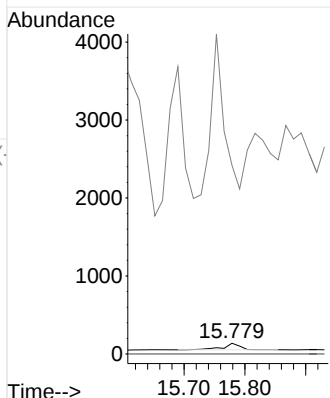
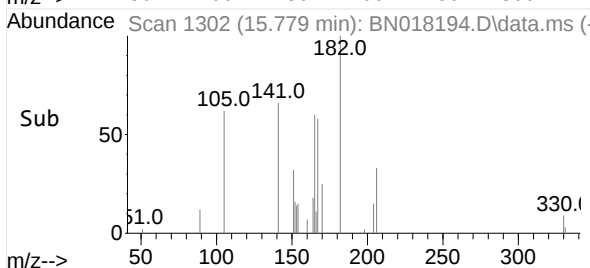
Reviewed By :Jagrut Upadhyay 12/27/2021
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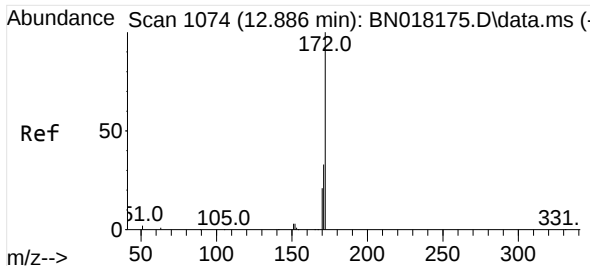


#14
2,4,6-Tribromophenol
Concen: 0.184 ng
RT: 15.779 min Scan# 1302
Delta R.T. 0.026 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26



Tgt Ion:330 Resp: 165
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 21.3 31.9#





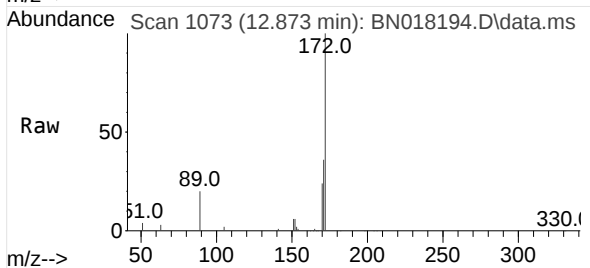
#15
2-Fluorobiphenyl
Concen: 0.225 ng
RT: 12.873 min Scan# 1073
Delta R.T. -0.013 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26

Instrument :

BNA_N

ClientSampleId :

OB-CS-03

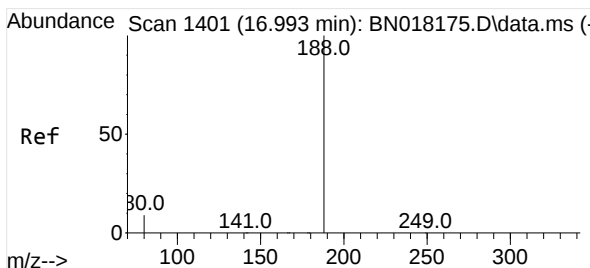
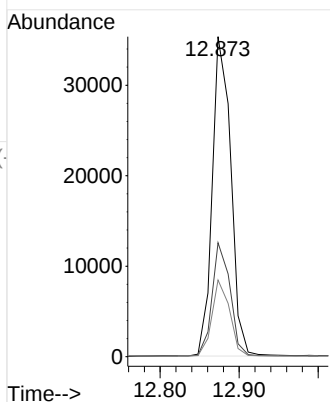
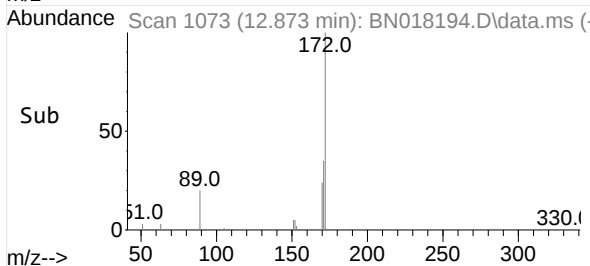


Tgt Ion:172 Resp: 5762
Ion Ratio Lower Upper
172 100
171 35.6 27.4 41.0
170 23.9 18.4 27.6

Manual Integrations

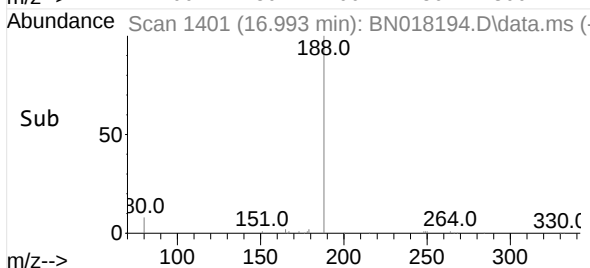
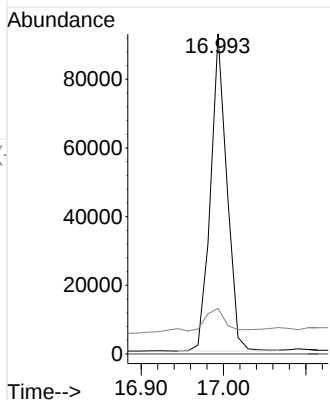
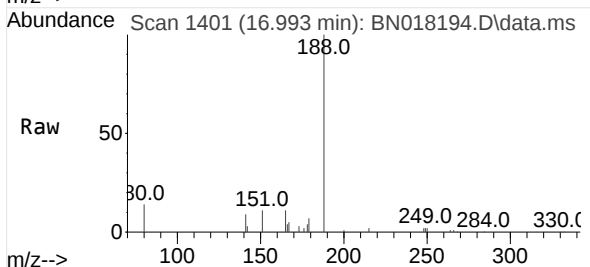
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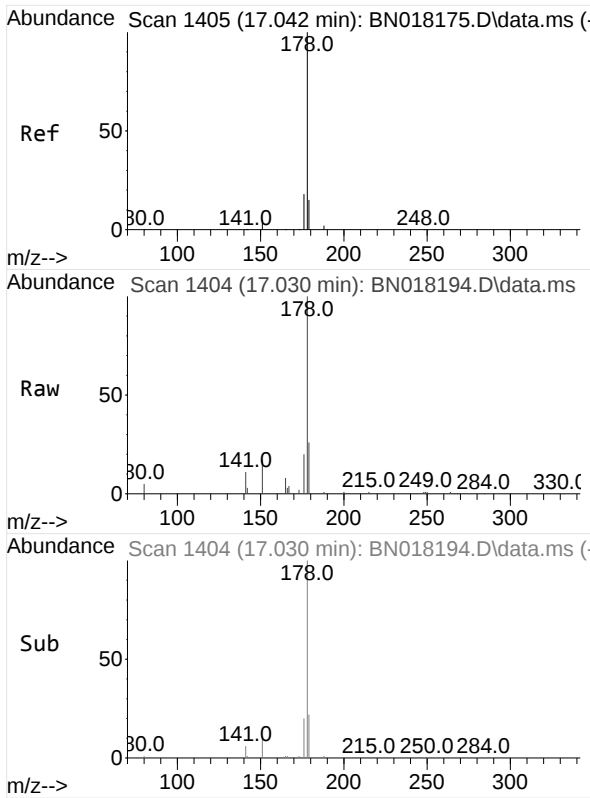
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26

Tgt Ion:188 Resp: 127372
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.3 7.0 10.4#





#25

Phenanthrene

Concen: 0.607 ng m

RT: 17.030 min Scan# 1404

Delta R.T. -0.012 min

Lab File: BN018194.D

Acq: 24 Dec 2021 00:26

Instrument :

BNA_N

ClientSampleId :

OB-CS-03

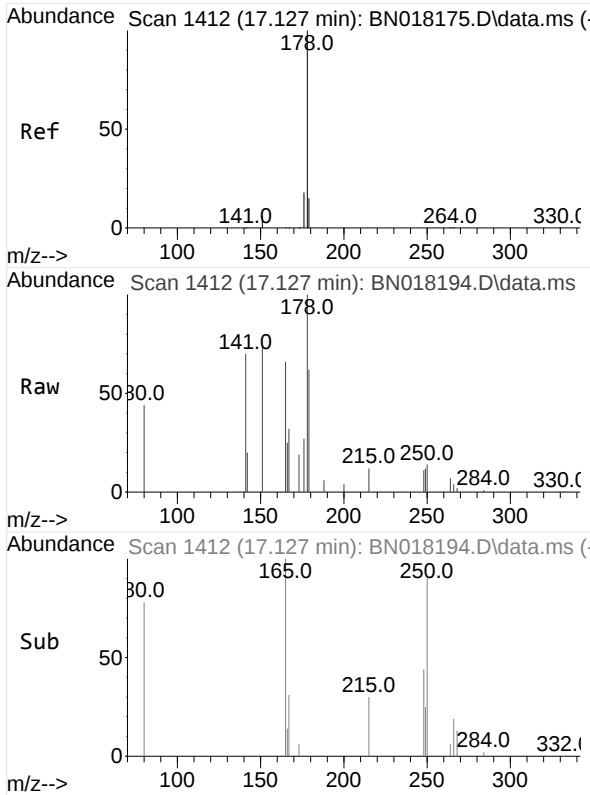
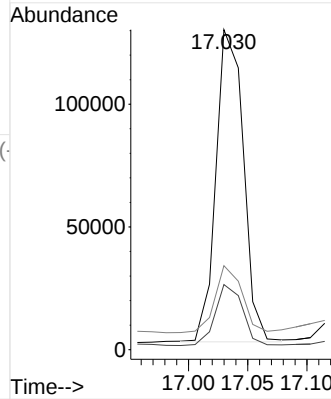
Tgt Ion:178	Resp:	20533
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.3 22.9
179	21.3	12.3 18.5

Manual Integrations

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Supervised By :mohammad ahmed 12/30/2021



#26

Anthracene

Concen: 0.070 ng

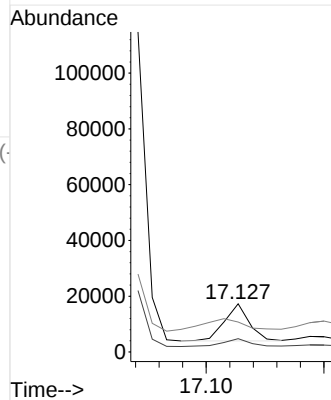
RT: 17.127 min Scan# 1412

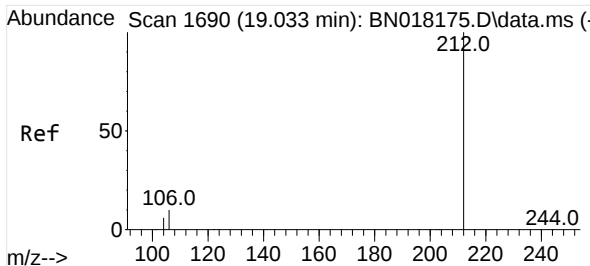
Delta R.T. 0.000 min

Lab File: BN018194.D

Acq: 24 Dec 2021 00:26

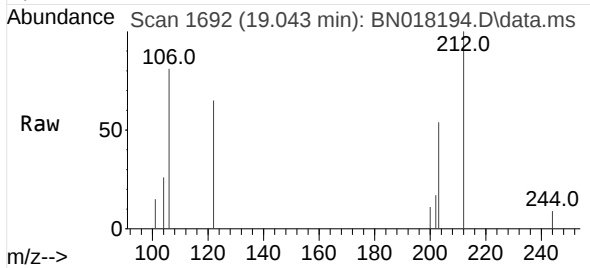
Tgt Ion:178	Resp:	19563
Ion Ratio	Lower	Upper
178	100	
176	23.5	14.8 22.2#
179	58.4	12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.128 ng
RT: 19.043 min Scan# 1692
Delta R.T. 0.010 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26

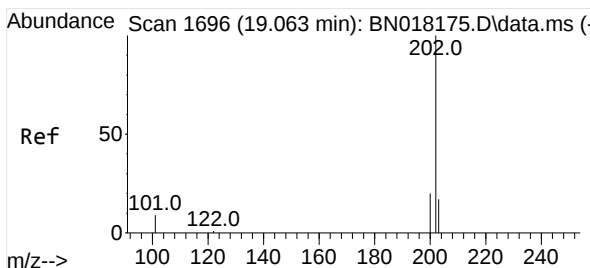
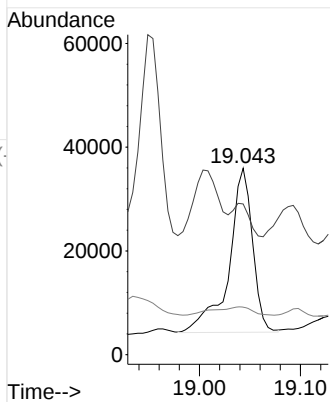
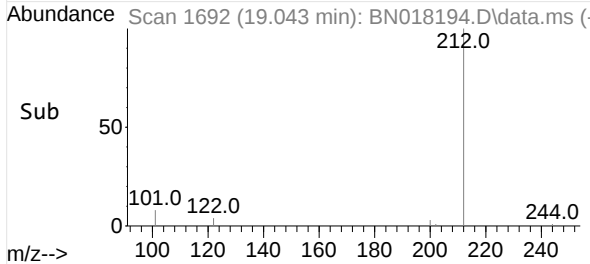
Instrument :
BNA_N
ClientSampleId :
OB-CS-03



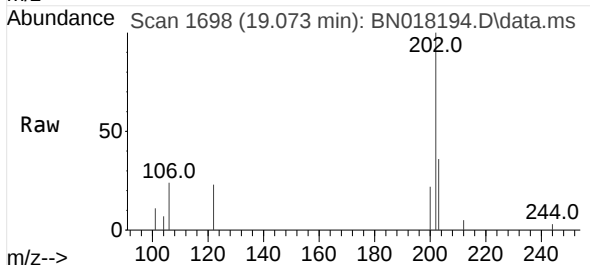
Tgt Ion:212 Resp: 51550
Ion Ratio Lower Upper
212 100
106 13.8 8.4 12.6
104 8.3 4.5 6.7

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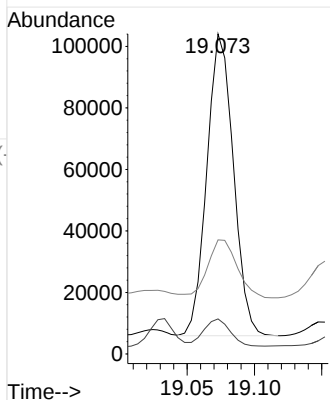
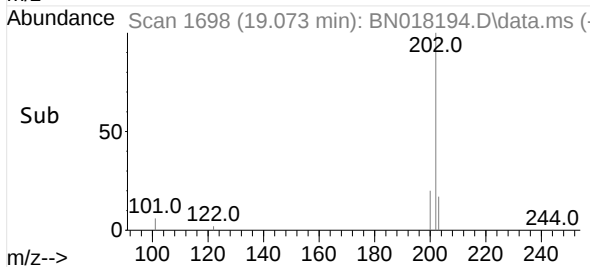
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

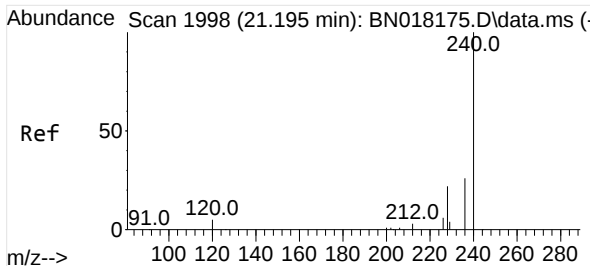


#28
Fluoranthene
Concen: 0.341 ng
RT: 19.073 min Scan# 1698
Delta R.T. 0.010 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26



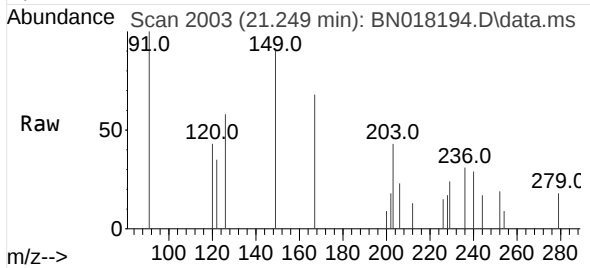
Tgt Ion:202 Resp: 134542
Ion Ratio Lower Upper
202 100
101 8.9 7.2 10.8
203 21.2 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.249 min Scan# 20
Delta R.T. 0.054 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26

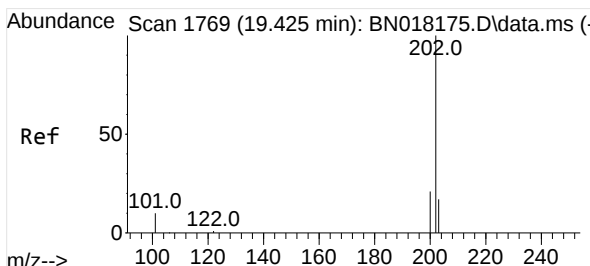
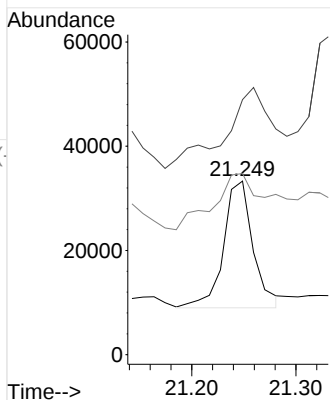
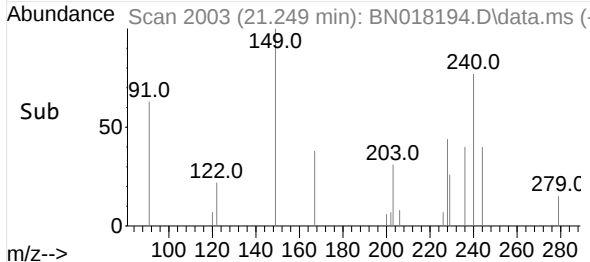
Instrument :
BNA_N
ClientSampleId :
OB-CS-03



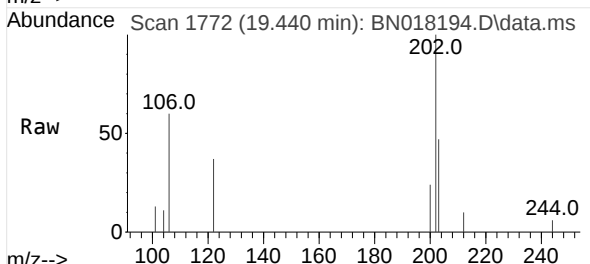
Tgt Ion:240 Resp: 4800
Ion Ratio Lower Upper
240 100
120 146.9 6.0 9.0
236 104.3 21.4 32.2

Manual Integrations
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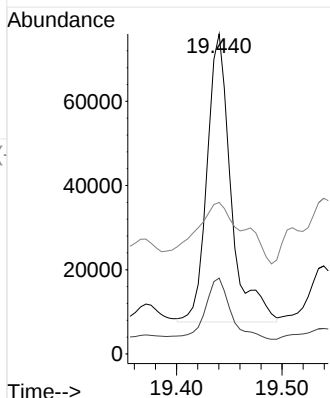
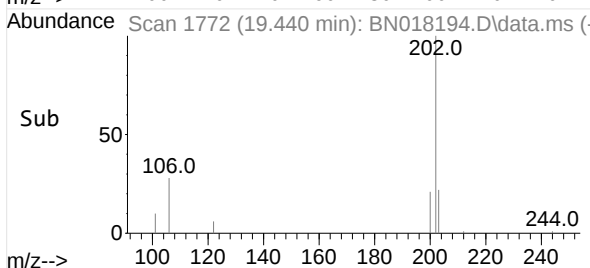
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

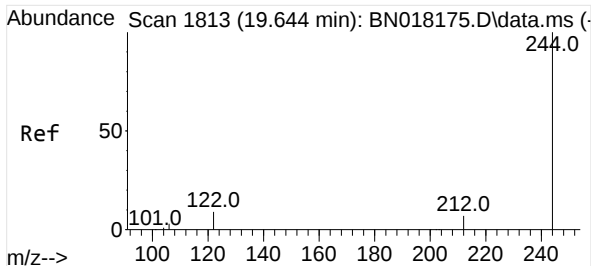


#30
Pyrene
Concen: 0.702 ng m
RT: 19.440 min Scan# 1772
Delta R.T. 0.015 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26



Tgt Ion:202 Resp: 108136
Ion Ratio Lower Upper
202 100
200 1.8 16.6 25.0#
203 7.0 14.1 21.1#





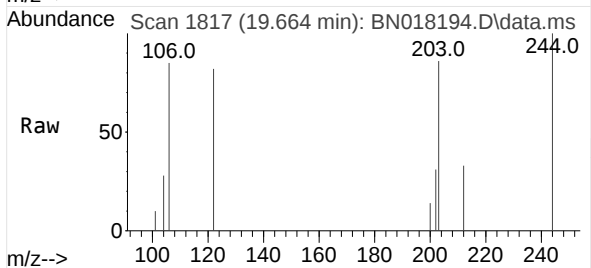
#31
 Terphenyl-d14
 Concen: 0.318 ng
 RT: 19.664 min Scan# 11
 Delta R.T. 0.020 min
 Lab File: BN018194.D
 Acq: 24 Dec 2021 00:26

Instrument :

BNA_N

ClientSampleId :

OB-CS-03

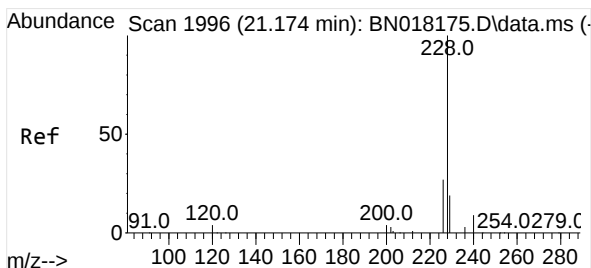
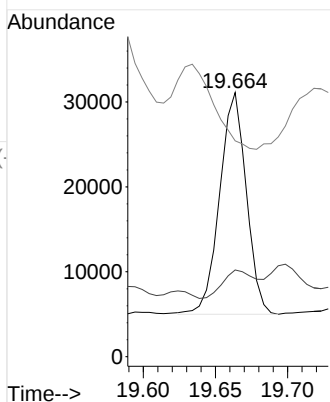
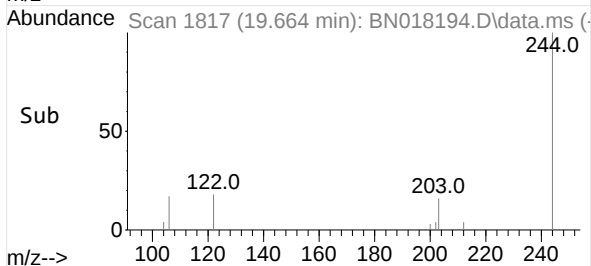


Tgt Ion:244 Resp: 33599
 Ion Ratio Lower Upper
 244 100
 212 32.8 6.2 9.2#
 122 81.7 7.9 11.9#

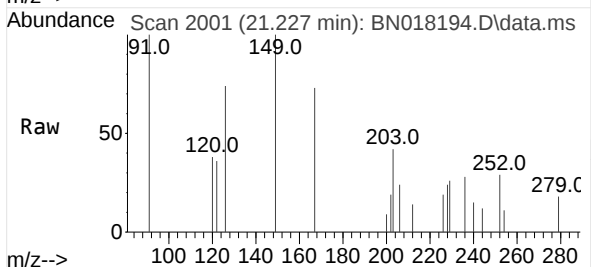
Manual Integrations

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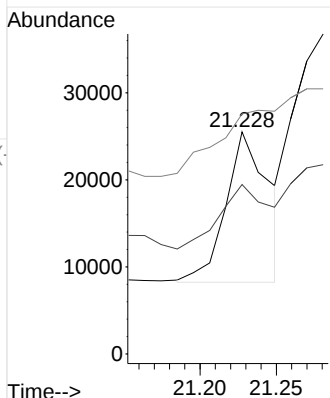
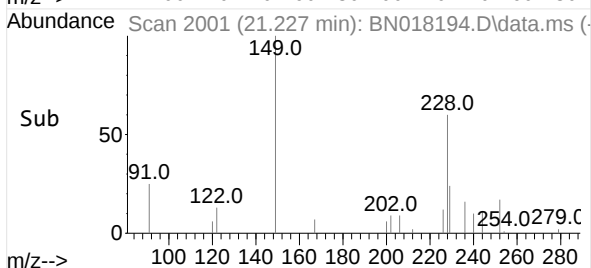
Reviewed By :Jagrut Upadhyay 12/27/2021
 Supervised By :mohammad ahmed 12/30/2021

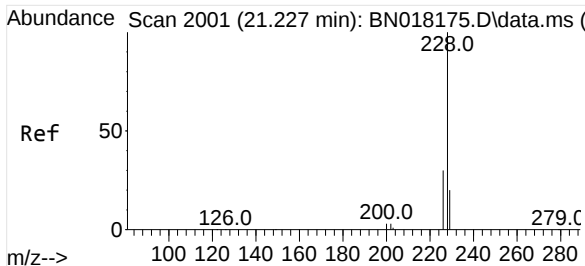


#32
 Benzo(a)anthracene
 Concen: 0.242 ng m
 RT: 21.227 min Scan# 2001
 Delta R.T. 0.053 min
 Lab File: BN018194.D
 Acq: 24 Dec 2021 00:26



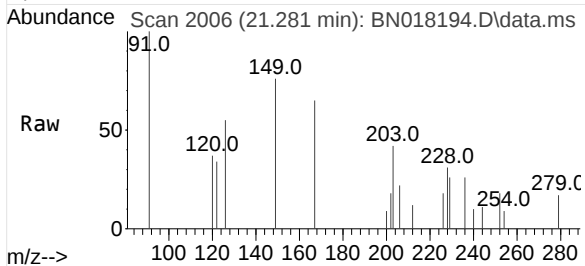
Tgt Ion:228 Resp: 33793
 Ion Ratio Lower Upper
 228 100
 226 76.3 21.3 31.9#
 229 108.1 15.9 23.9#





#33
Chrysene
Concen: 0.365 ng m
RT: 21.281 min Scan# 2006
Delta R.T. 0.054 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26

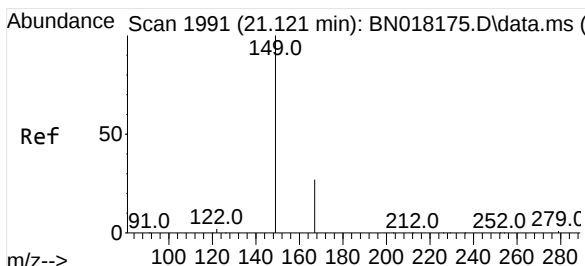
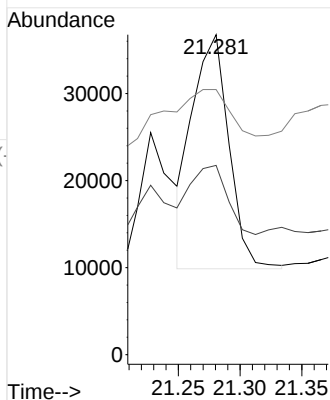
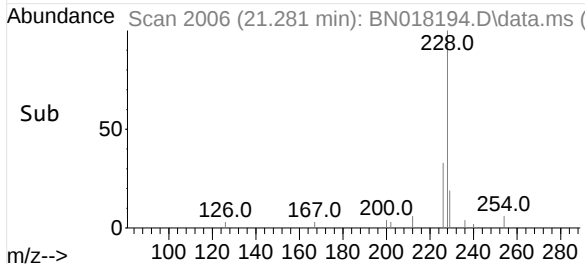
Instrument :
BNA_N
ClientSampleId :
OB-CS-03



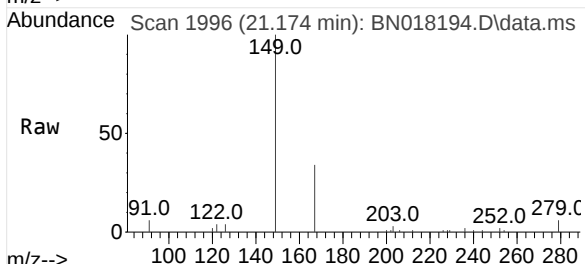
Tgt Ion:228 Resp: 55454
Ion Ratio Lower Upper
228 100
226 59.2 24.2 36.4#
229 82.9 15.5 23.3#

Manual Integrations
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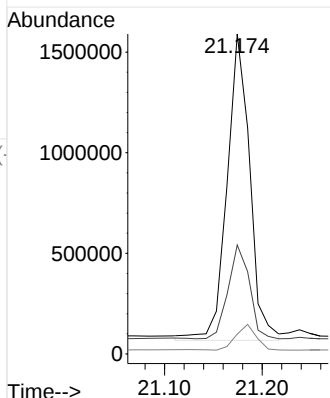
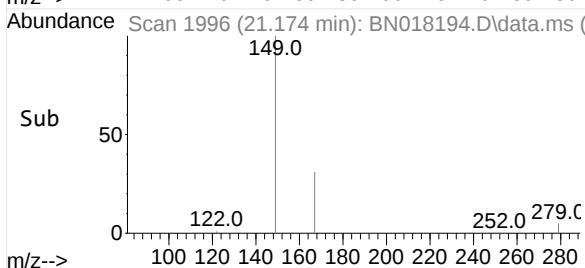
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

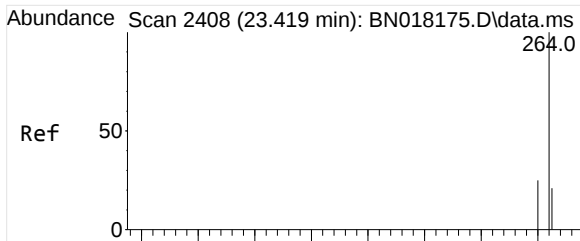


#34
Bis(2-ethylhexyl)phthalate
Concen: 31.797 ng m
RT: 21.174 min Scan# 1996
Delta R.T. 0.053 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26



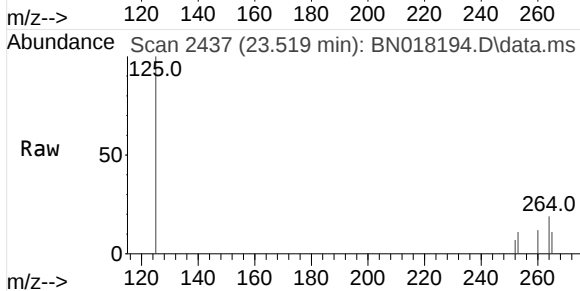
Tgt Ion:149 Resp: 2457378
Ion Ratio Lower Upper
149 100
167 0.0 23.7 35.5#
279 0.0 3.6 5.4#





#35
Perylene-d12
Concen: 0.400 ng m
RT: 23.519 min Scan# 2408
Delta R.T. 0.100 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26

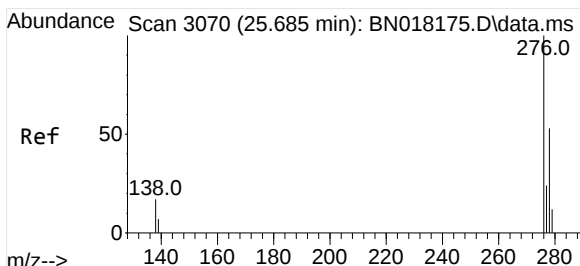
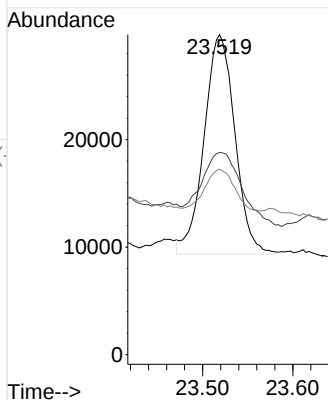
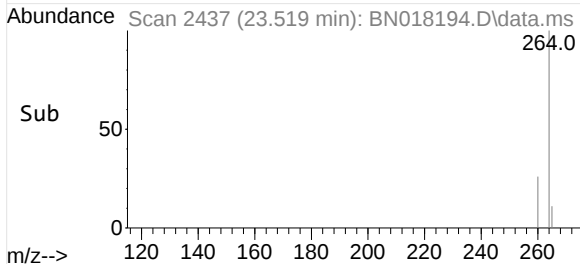
Instrument :
BNA_N
ClientSampleId :
OB-CS-03



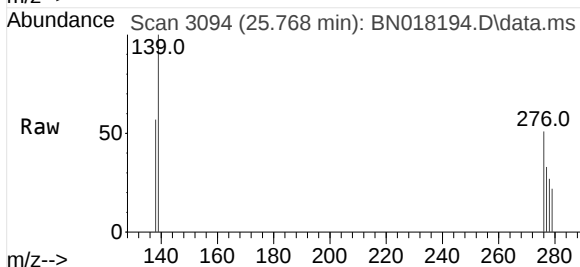
Tgt Ion:264 Resp: 4858
Ion Ratio Lower Upper
264 100
260 63.2 20.2 30.4#
265 58.0 18.2 27.2#

Manual Integrations
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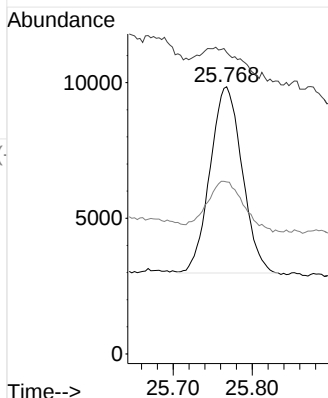
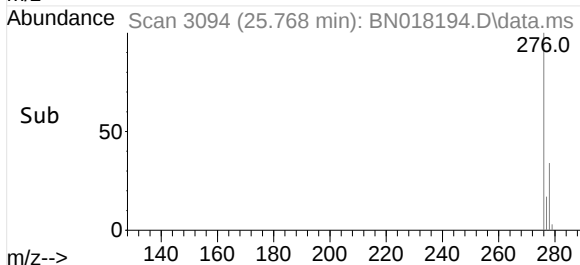
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

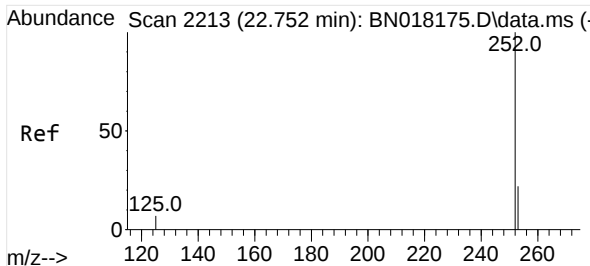


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.137 ng
RT: 25.768 min Scan# 3094
Delta R.T. 0.083 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26



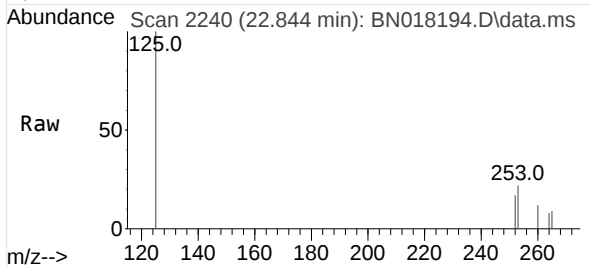
Tgt Ion:276 Resp: 19331
Ion Ratio Lower Upper
276 100
138 0.0 14.9 22.3#
277 30.6 19.9 29.9#





#37
Benzo(b)fluoranthene
Concen: 0.332 ng
RT: 22.844 min Scan# 21
Delta R.T. 0.092 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26

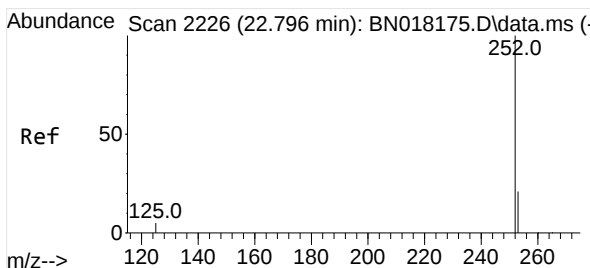
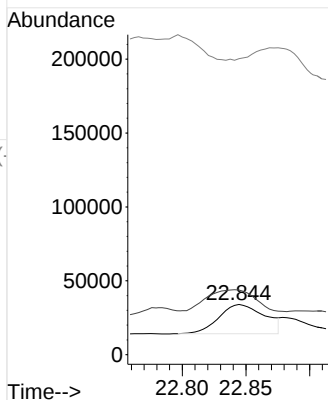
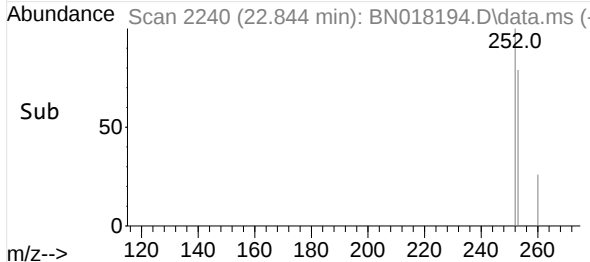
Instrument :
BNA_N
ClientSampleId :
OB-CS-03



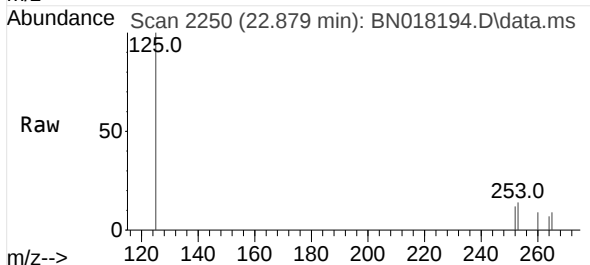
Tgt Ion:252 Resp: 49944
Ion Ratio Lower Upper
252 100
253 128.7 17.8 26.6#
125 589.6 6.0 9.0#

Manual Integrations
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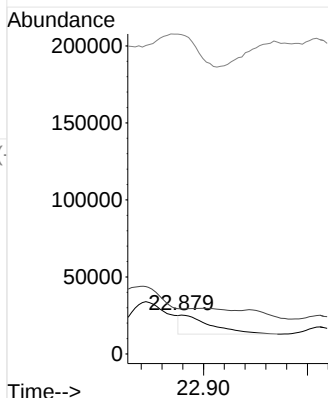
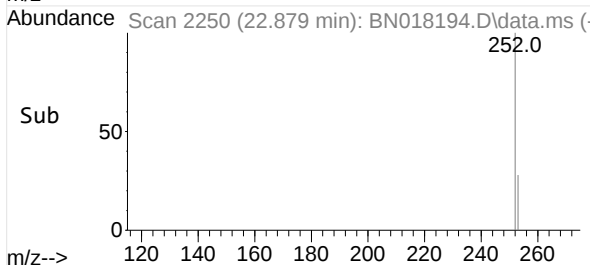
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

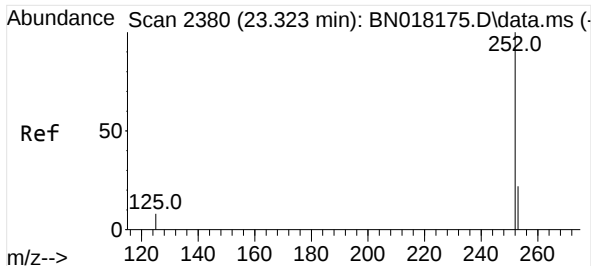


#38
Benzo(k)fluoranthene
Concen: 0.170 ng m
RT: 22.879 min Scan# 2250
Delta R.T. 0.083 min
Lab File: BN018194.D
Acq: 24 Dec 2021 00:26



Tgt Ion:252 Resp: 25676
Ion Ratio Lower Upper
252 100
253 116.3 17.7 26.5#
125 822.3 6.2 9.2#





#39

Benzo(a)pyrene

Concen: 0.202 ng

RT: 23.327 min Scan# 21

Delta R.T. 0.004 min

Lab File: BN018194.D

Acq: 24 Dec 2021 00:26

Instrument :

BNA_N

ClientSampleId :

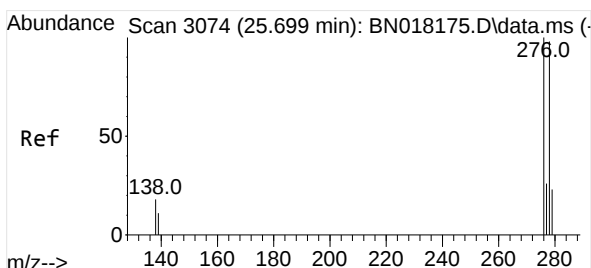
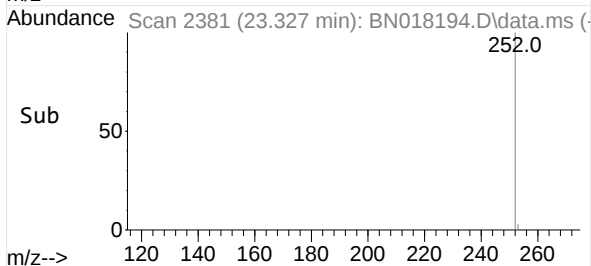
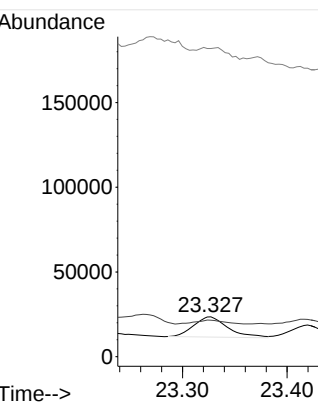
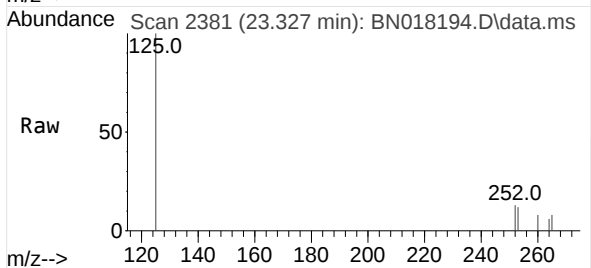
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Tgt Ion:	252	Resp:	2728
Ion Ratio	Lower	Upper	
252	100		
253	91.3	17.8	26.6
125	772.3	7.0	10.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#40

Dibenzo(a,h)anthracene

Concen: 0.094 ng

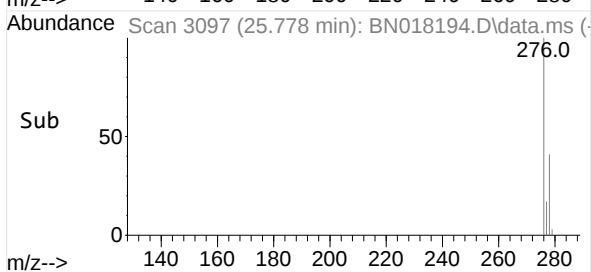
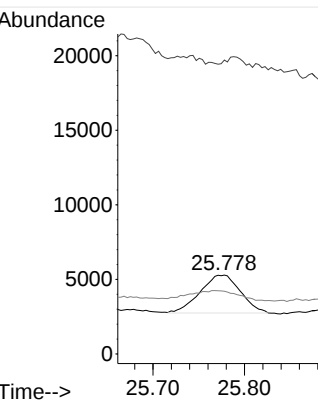
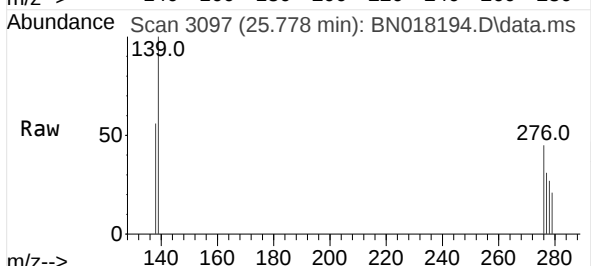
RT: 25.778 min Scan# 3097

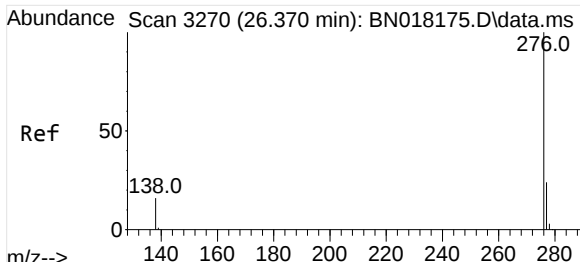
Delta R.T. 0.079 min

Lab File: BN018194.D

Acq: 24 Dec 2021 00:26

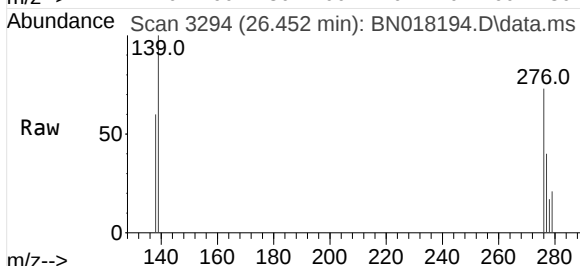
Tgt Ion:	278	Resp:	7762
Ion Ratio	Lower	Upper	
278	100		
139	372.6	10.8	16.2
279	79.4	19.0	28.4





#41
 Benzo(g,h,i)perylene
 Concen: 0.185 ng
 RT: 26.452 min Scan# 31
 Delta R.T. 0.082 min
 Lab File: BN018194.D
 Acq: 24 Dec 2021 00:26

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-03



Tgt Ion:	276	Resp:	23998
Ion Ratio	Lower	Upper	
276	100		
277	55.2	19.0	28.6
138	81.3	12.6	19.0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2021
 Supervised By :mohammad ahmed 12/30/2021

