

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
 Data File : BN018265.D
 Acq On : 29 Dec 2021 17:37
 Operator : CG/JU
 Sample : M5224-06 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-COMP

Quant Time: Dec 30 02:23:19 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 29 16:08:47 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	30340	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	124276	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	74760	0.400	ng	0.00
19) Phenanthrene-d10	17.005	188	152833	0.400	ng	# 0.00
29) Chrysene-d12	21.196	240	163019	0.400	ng	# 0.00
35) Perylene-d12	23.419	264	167499	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.254	112	3854	0.063	ng	0.00
5) Phenol-d6	6.831	99	3806	0.065	ng	0.00
8) Nitrobenzene-d5	8.797	82	3720	0.177	ng	0.01
11) 2-Methylnaphthalene-d10	12.007	152	13500	0.065	ng	0.00
14) 2,4,6-Tribromophenol	15.753	330	1436	0.341	ng	-0.01
15) 2-Fluorobiphenyl	12.898	172	20100	0.071	ng	0.00
27) Fluoranthene-d10	19.038	212	32095	0.066	ng	0.00
31) Terphenyl-d14	19.644	244	30421	0.073	ng	0.00
Target Compounds						
9) Naphthalene	10.457	128	1082081	3.521	ng	99
12) 2-Methylnaphthalene	12.083	142	312884	1.589	ng	99
16) Acenaphthylene	13.977	152	236930	0.901	ng	97
17) Acenaphthene	14.319	154	422360	2.187	ng	99
18) Fluorene	15.309	166	500998m	2.203	ng	
24) Pentachlorophenol	16.665	266	600	0.220	ng	97
25) Phenanthrene	17.042	178	6649479	16.504	ng	99
26) Anthracene	17.127	178	1460353	3.961	ng	# 92
28) Fluoranthene	19.073	202	6950128	14.729	ng	97
30) Pyrene	19.430	202	6716284	10.506	ng	# 93
32) Benzo(a)anthracene	21.174	228	3514072	6.729	ng	98
33) Chrysene	21.227	228	3482064m	6.635	ng	
34) Bis(2-ethylhexyl)phtha...	21.132	149	806762	3.965	ng	99
36) Indeno(1,2,3-cd)pyrene	25.682	276	1475735	3.689	ng	96
37) Benzo(b)fluoranthene	22.755	252	3846940	7.227	ng	98
38) Benzo(k)fluoranthene	22.793	252	1275018m	2.530	ng	
39) Benzo(a)pyrene	23.324	252	2808106	6.064	ng	98
40) Dibenzo(a,h)anthracene	25.689	278	363026	1.273	ng	97
41) Benzo(g,h,i)perylene	26.373	276	1467030	3.676	ng	99

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

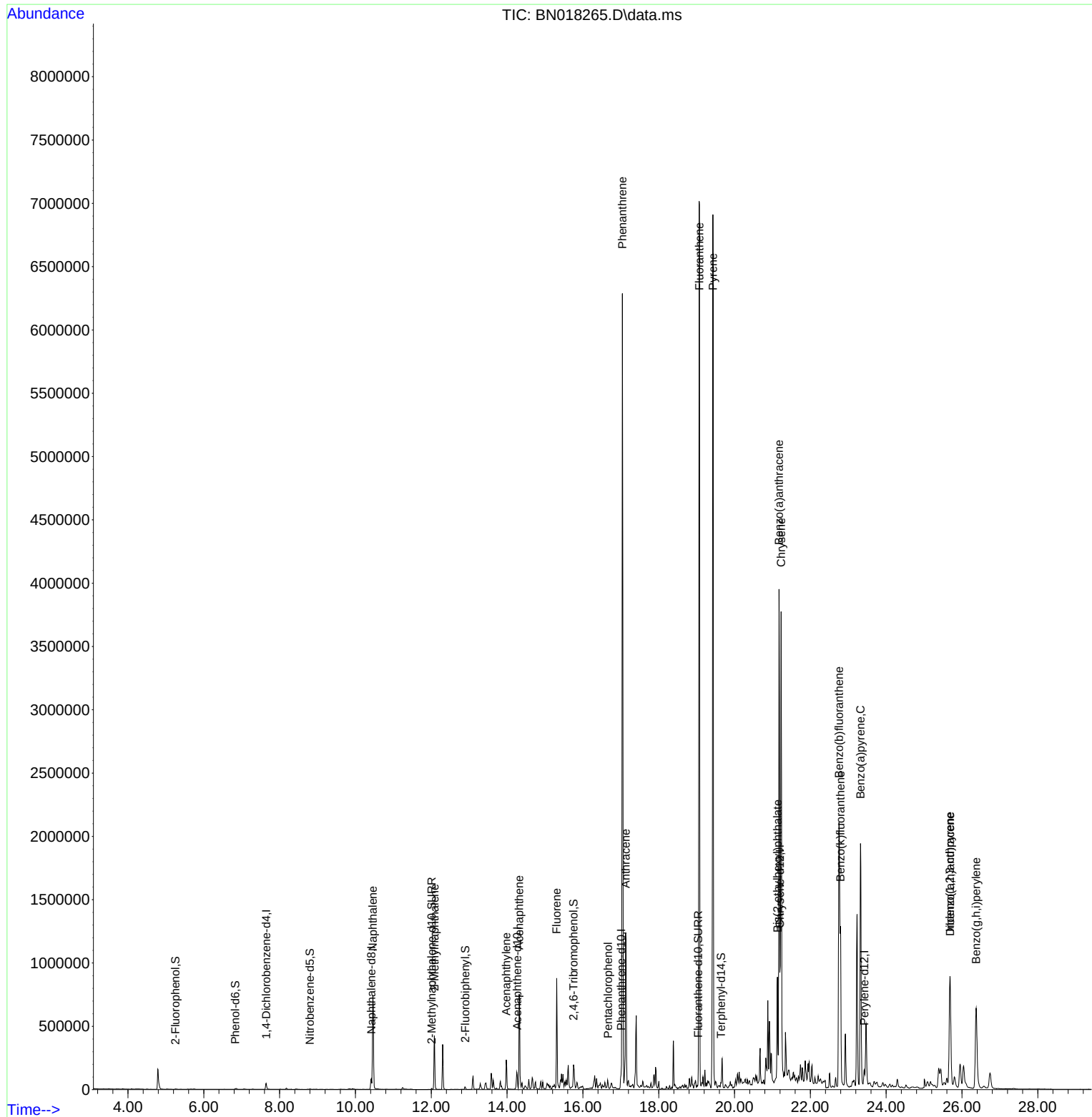
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
Data File : BN018265.D
Acq On : 29 Dec 2021 17:37
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ALS Vial : 13 Sample Multiplier: 1

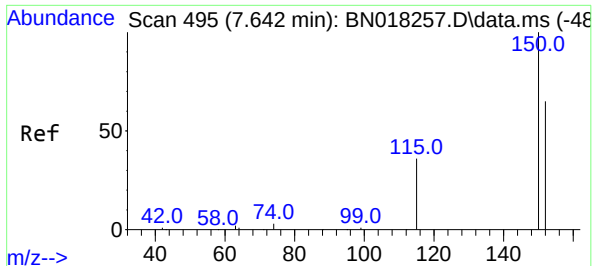
Instrument :
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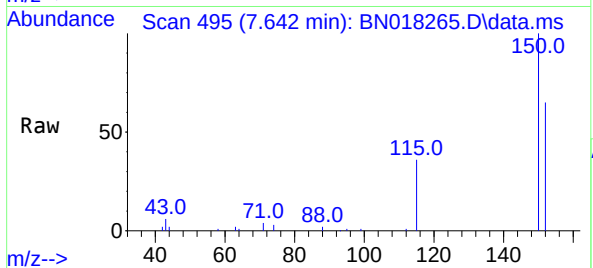
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

Instrument :

BNA_N

ClientSampleId :

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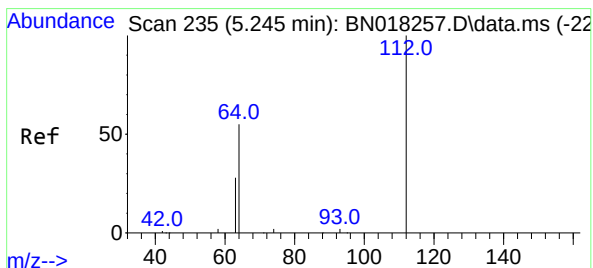
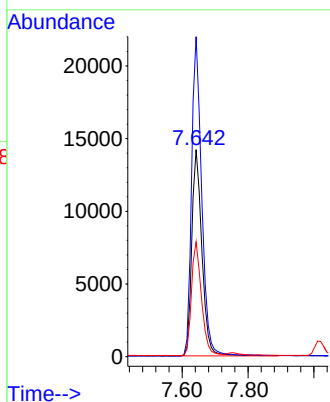


Tgt Ion:152 Resp: 30340
Ion Ratio Lower Upper
152 100
150 154.5 121.7 182.5
115 55.5 43.8 65.8

Manual Integrations

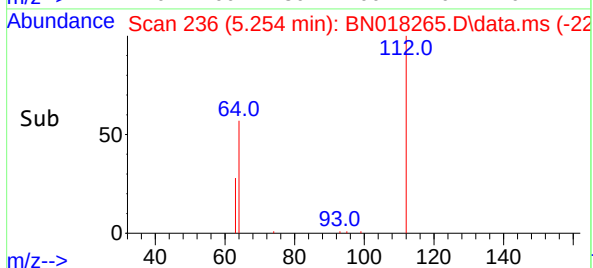
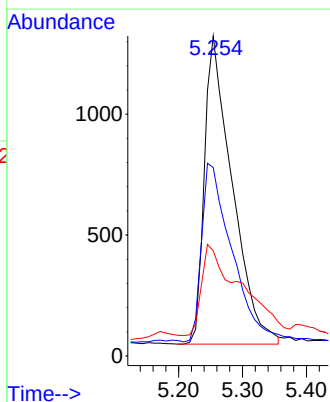
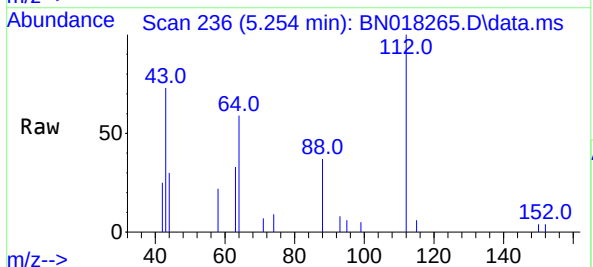
APPROVED

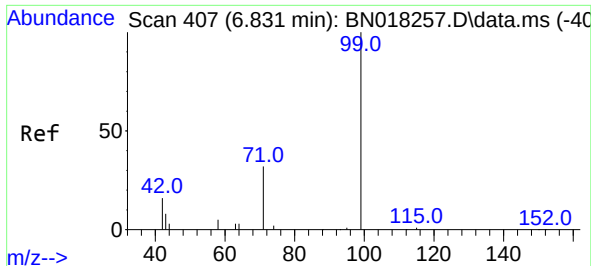
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#4
2-Fluorophenol
Concen: 0.063 ng
RT: 5.254 min Scan# 236
Delta R.T. 0.009 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

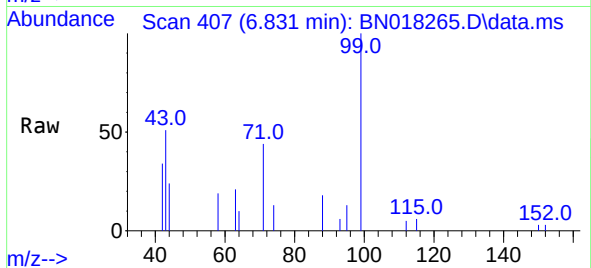
Tgt Ion:112 Resp: 3854
Ion Ratio Lower Upper
112 100
64 62.9 48.0 72.0
63 41.5 25.3 37.9





#5
Phenol-d6
Concen: 0.065 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

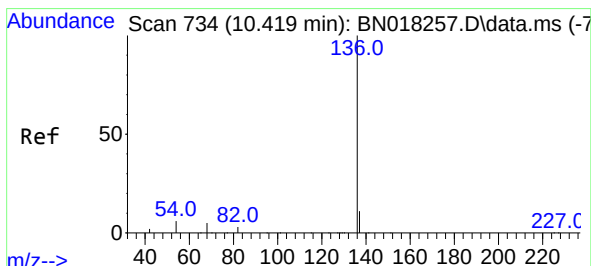
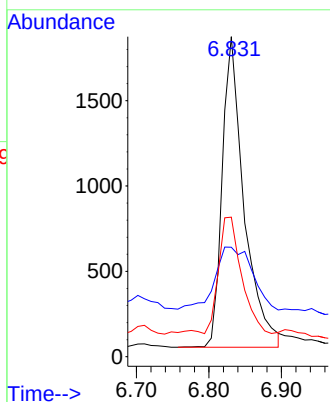
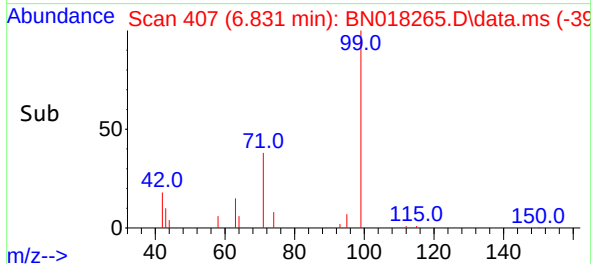
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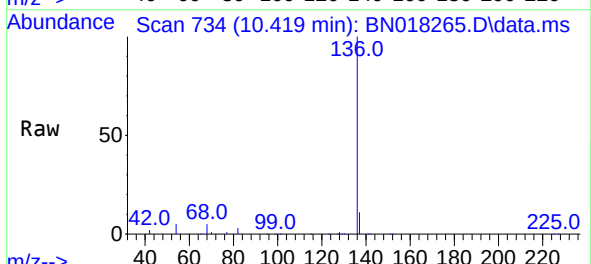
Tgt Ion: 99 Resp: 3800
Ion Ratio Lower Upper
99 100
42 34.5 16.3 24.5
71 39.9 26.8 40.2

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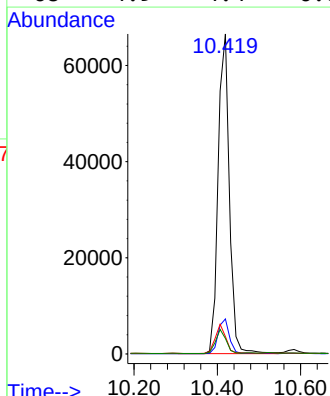
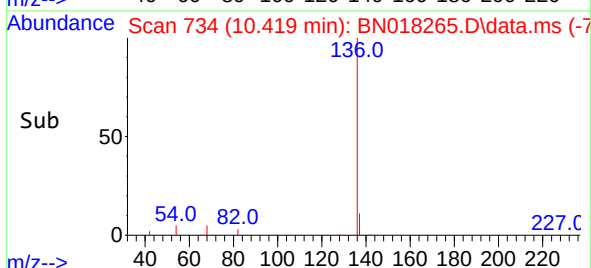
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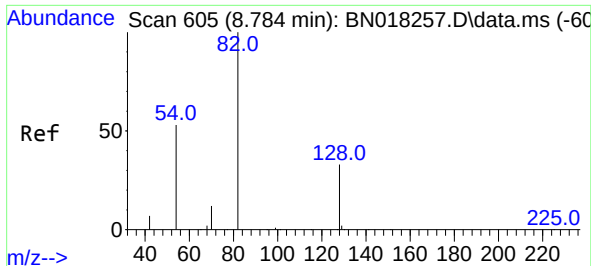


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 734
Delta R.T. 0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37



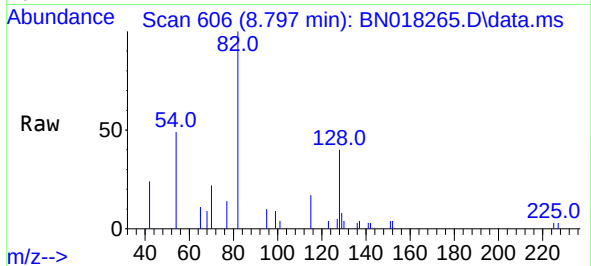
Tgt Ion:136 Resp: 124276
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 5.5 5.0 7.6
68 4.9 4.4 6.6





#8
Nitrobenzene-d5
Concen: 0.177 ng
RT: 8.797 min Scan# 605
Delta R.T. 0.013 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

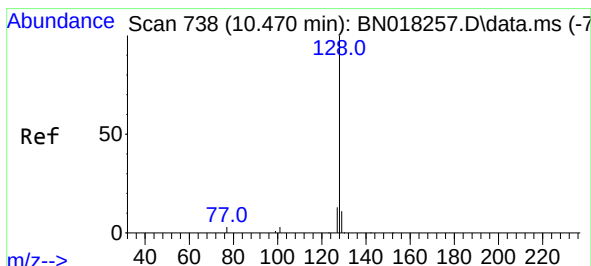
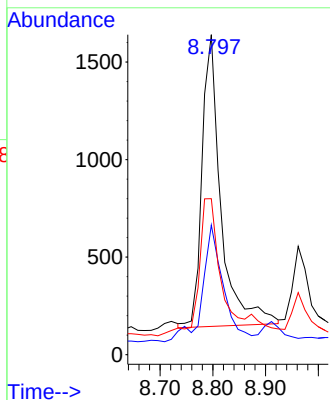
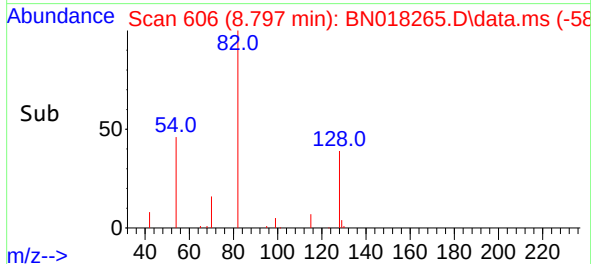
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 82 Resp: 3720
Ion Ratio Lower Upper
82 100
128 40.5 33.7 50.5
54 48.8 36.6 55.0

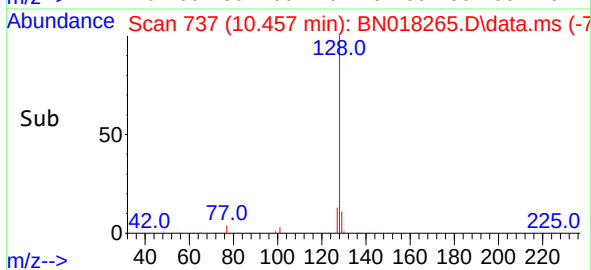
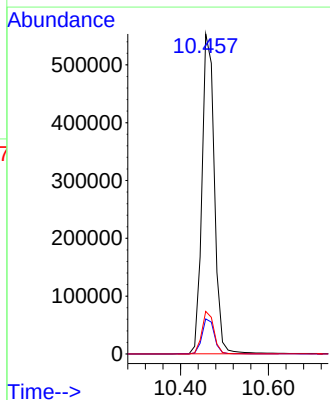
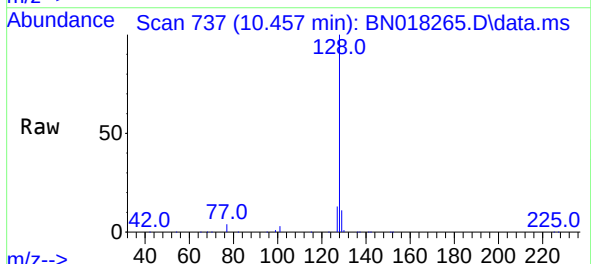
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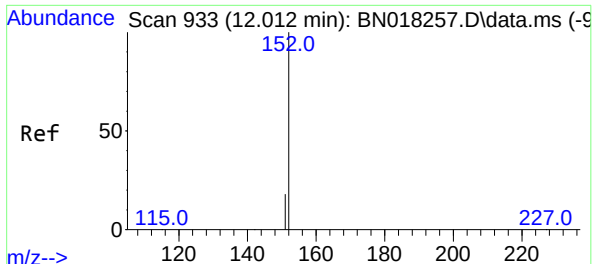
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#9
Naphthalene
Concen: 3.521 ng
RT: 10.457 min Scan# 737
Delta R.T. -0.013 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

Tgt Ion:128 Resp: 1082081
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.3 10.4 15.6





#11

2-Methylnaphthalene-d10

Concen: 0.065 ng

RT: 12.007 min Scan# 911

Delta R.T. -0.004 min

Lab File: BN018265.D

Acq: 29 Dec 2021 17:37

Instrument :

BNA_N

ClientSampleId :

SB-COMP

Tgt Ion:152 Resp: 13500

Ion Ratio Lower Upper

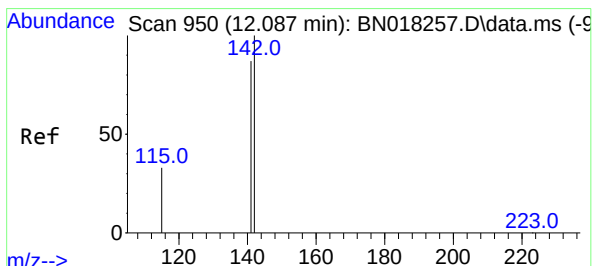
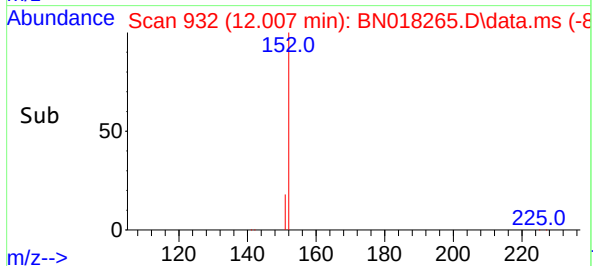
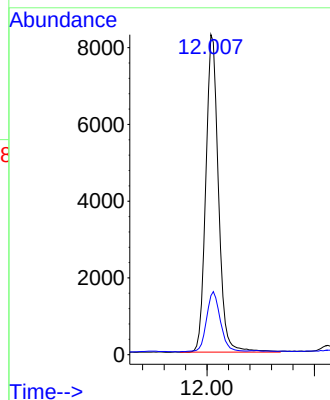
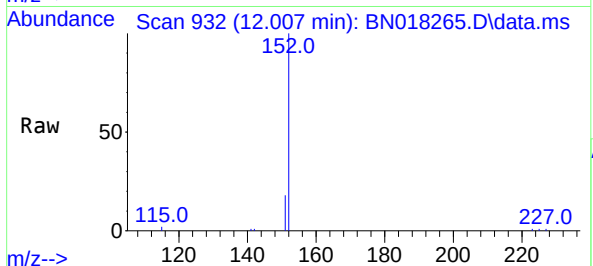
152 100

151 20.7 16.2 24.2

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#12

2-Methylnaphthalene

Concen: 1.589 ng

RT: 12.083 min Scan# 949

Delta R.T. -0.004 min

Lab File: BN018265.D

Acq: 29 Dec 2021 17:37

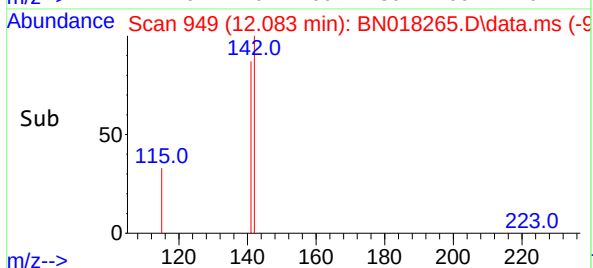
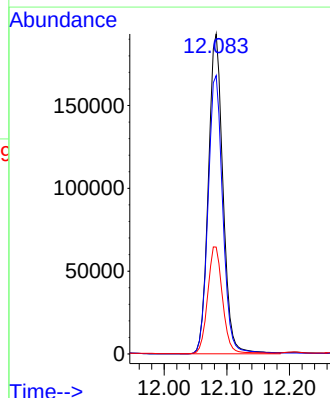
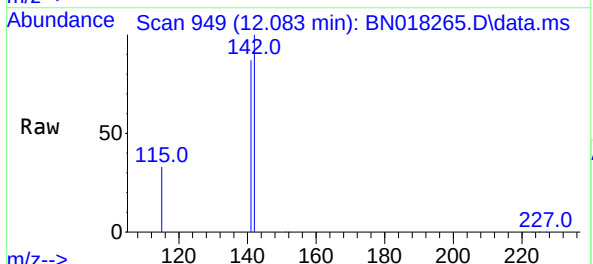
Tgt Ion:142 Resp: 312884

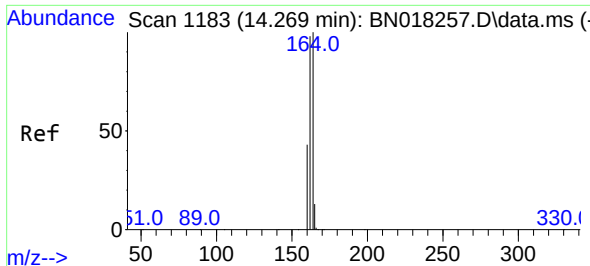
Ion Ratio Lower Upper

142 100

141 87.0 70.0 105.0

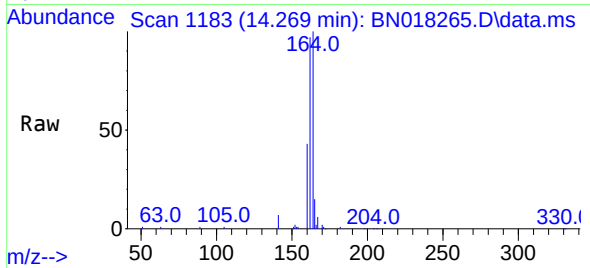
115 33.4 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

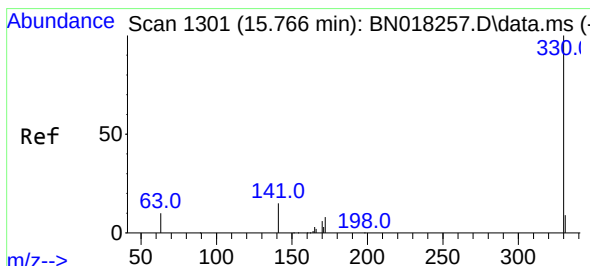
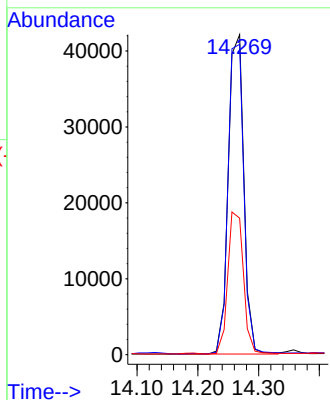
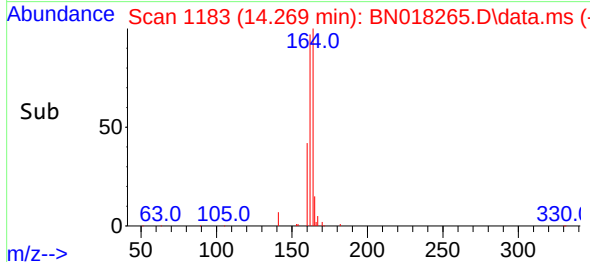
Instrument :
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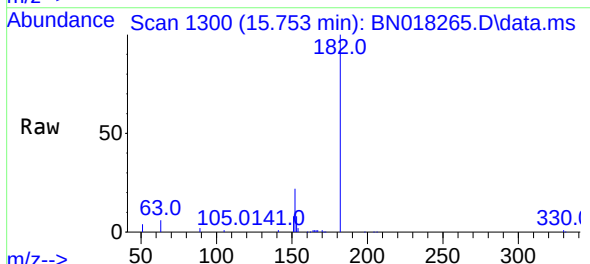
Tgt Ion:164 Resp: 74760
Ion Ratio Lower Upper
164 100
162 97.0 80.2 120.2
160 42.6 36.9 55.3

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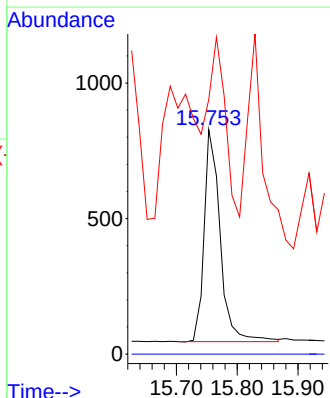
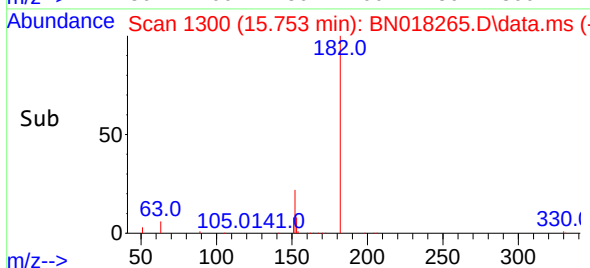
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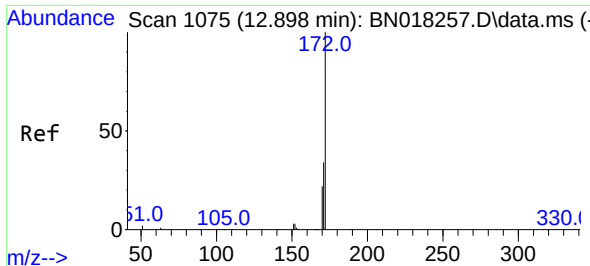


#14
2,4,6-Tribromophenol
Concen: 0.341 ng
RT: 15.753 min Scan# 1300
Delta R.T. -0.013 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37



Tgt Ion:330 Resp: 1436
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 86.1 21.3 31.9#





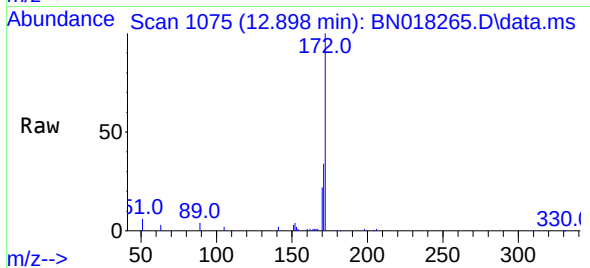
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2-Fluorobiphenyl
Concen: 0.071 ng
RT: 12.898 min Scan# 1075
Delta R.T. 0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

Instrument :

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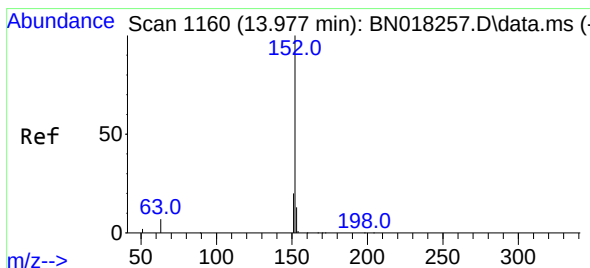
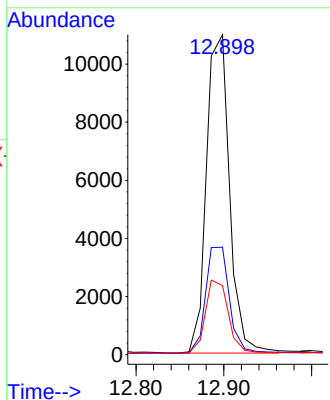
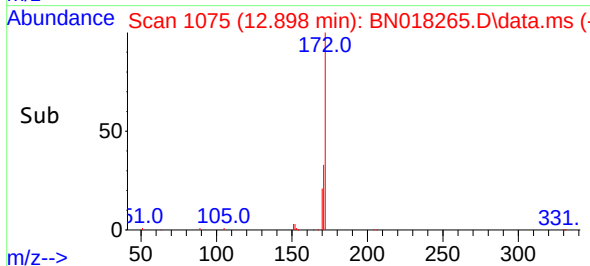


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Ion Ratio Lower Upper
172 100
171 33.6 27.4 41.0
170 21.6 18.4 27.6

Manual Integrations

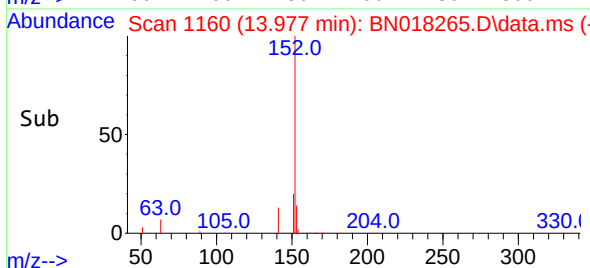
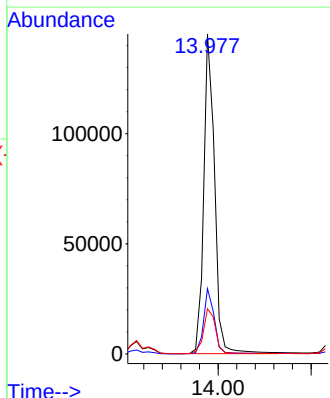
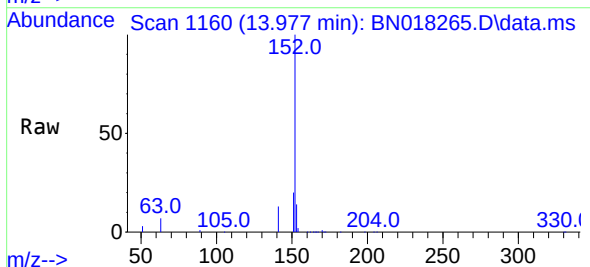
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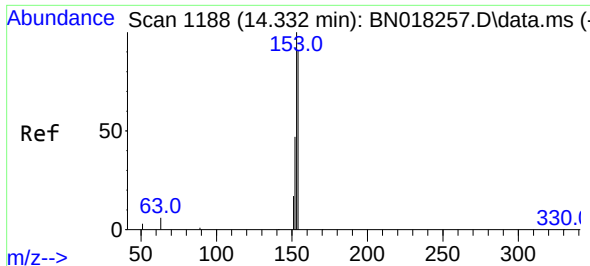
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#16
Acenaphthylene
Concen: 0.901 ng
RT: 13.977 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

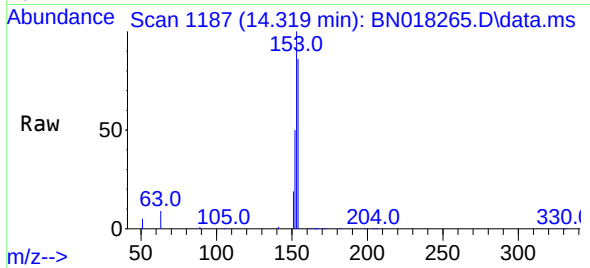
Tgt Ion:152 Resp: 236930
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.6
153 15.7 10.5 15.7





#17
Acenaphthene
Concen: 2.187 ng
RT: 14.319 min Scan# 1187
Delta R.T. -0.013 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

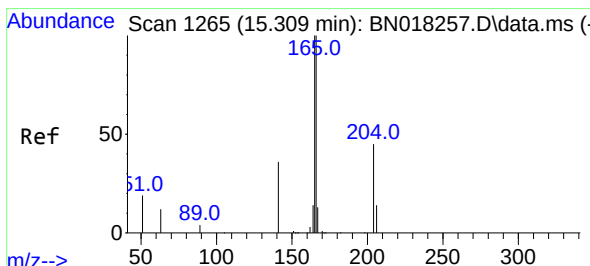
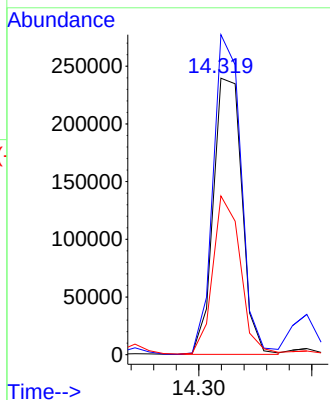
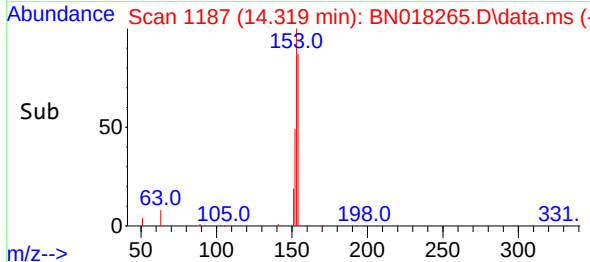
Instrument :
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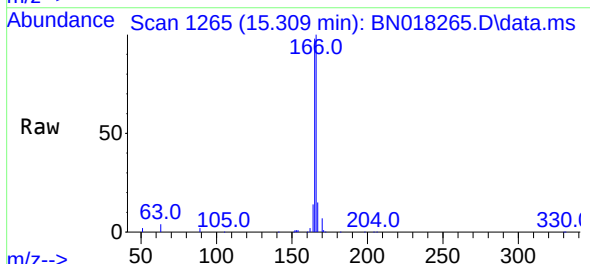
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Ion Ratio Lower Upper
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153 112.9 90.9 136.3
152 55.9 45.0 67.4

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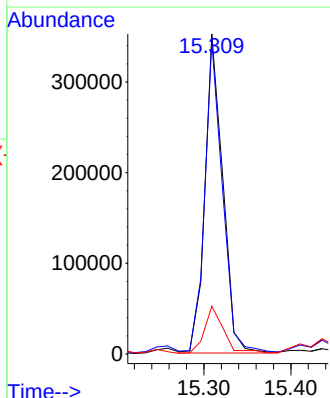
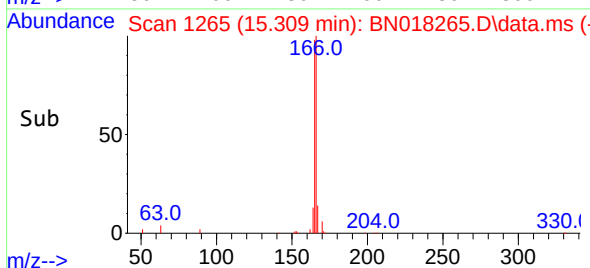
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

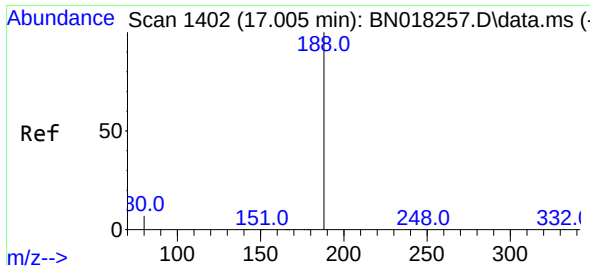


#18
Fluorene
Concen: 2.203 ng m
RT: 15.309 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37



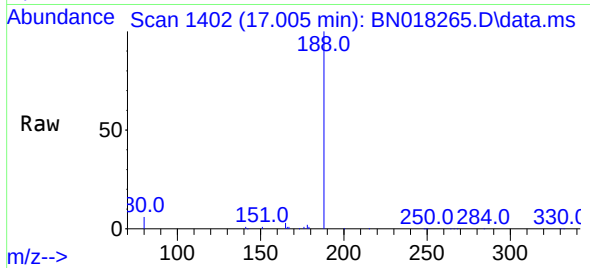
Tgt Ion:166 Resp: 500998
Ion Ratio Lower Upper
166 100
165 96.3 77.8 116.6
167 15.8 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.005 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

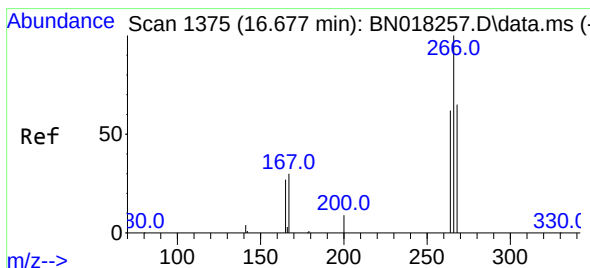
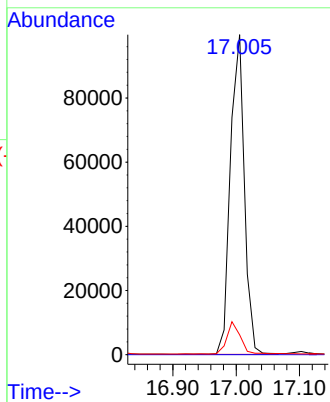
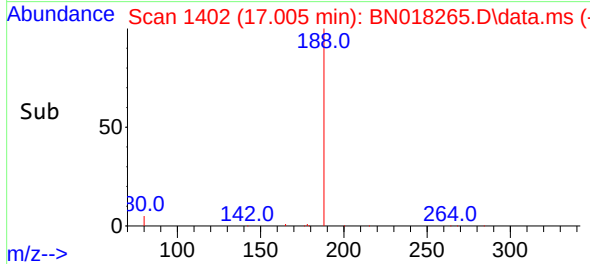
Instrument :
BNA_N
ClientSampleId :
SB-COMP



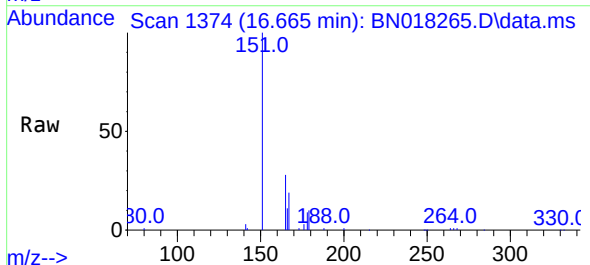
Tgt Ion:188 Resp: 15283
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.2 7.0 10.4

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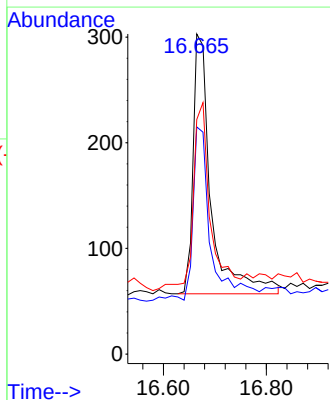
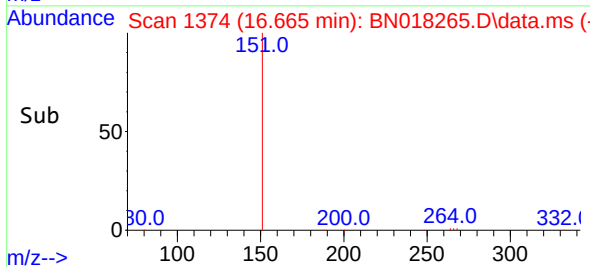
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

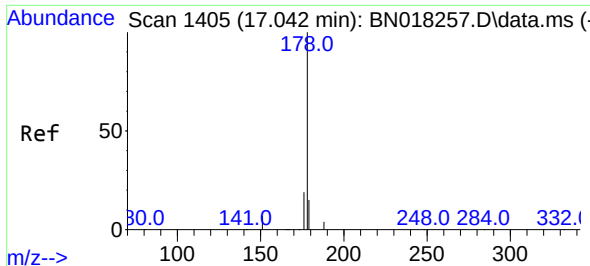


#24
Pentachlorophenol
Concen: 0.220 ng
RT: 16.665 min Scan# 1374
Delta R.T. -0.012 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37



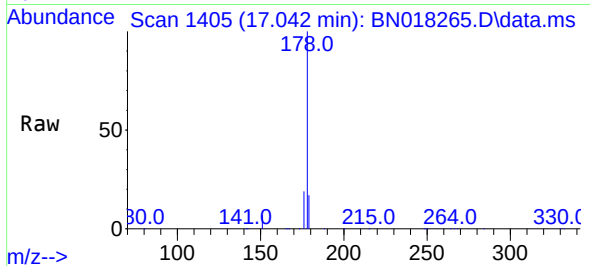
Tgt Ion:266 Resp: 600
Ion Ratio Lower Upper
266 100
264 60.5 49.5 74.3
268 60.0 50.6 76.0





#25
Phenanthrene
Concen: 16.504 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

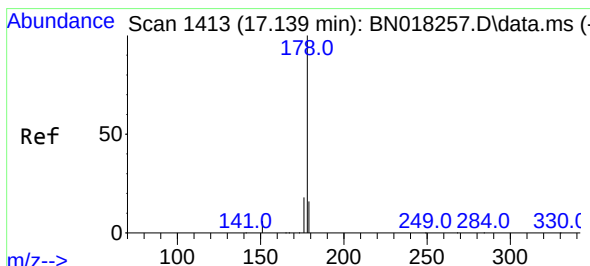
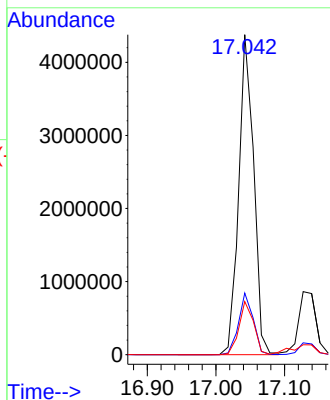
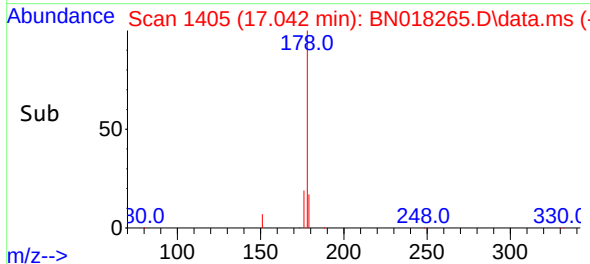
Instrument :
BNA_N
ClientSampleId :
SB-COMP



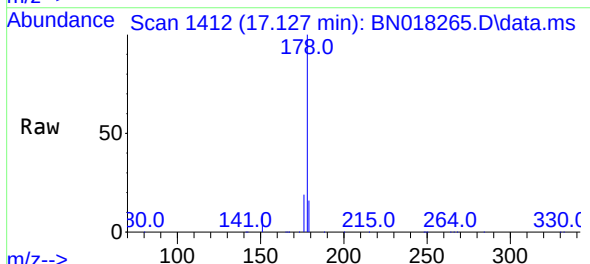
Tgt Ion:178 Resp: 6649479
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 16.4 12.3 18.5

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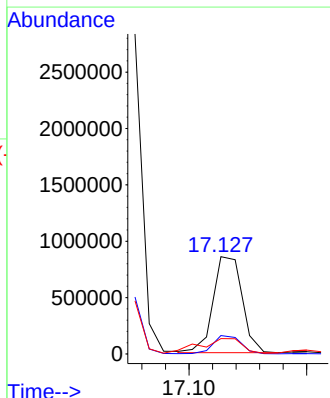
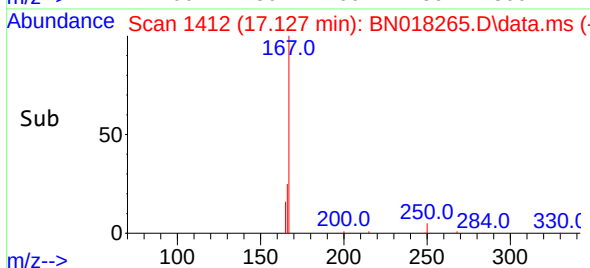
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

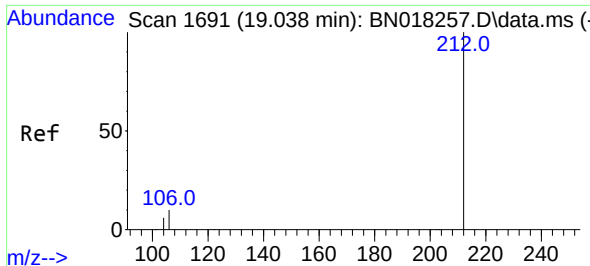


#26
Anthracene
Concen: 3.961 ng
RT: 17.127 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37



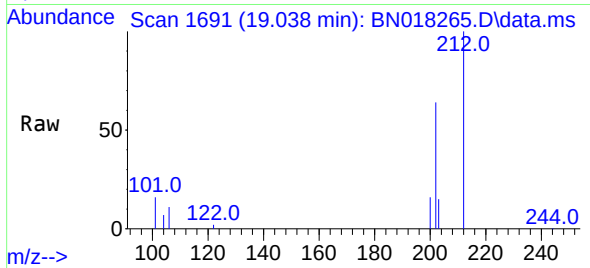
Tgt Ion:178 Resp: 1460353
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 22.3 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.066 ng
RT: 19.038 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

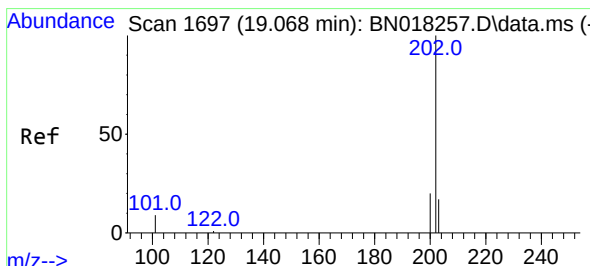
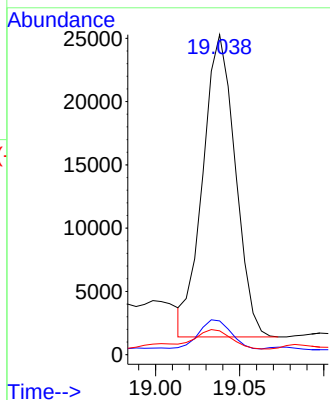
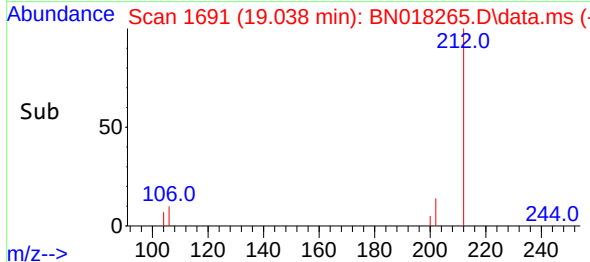
Instrument :
BNA_N
ClientSampleId :
SB-COMP



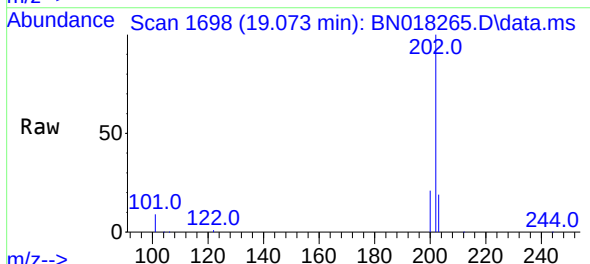
Tgt Ion:212 Resp: 3209
Ion Ratio Lower Upper
212 100
106 9.4 8.4 12.6
104 9.4 4.5 6.7

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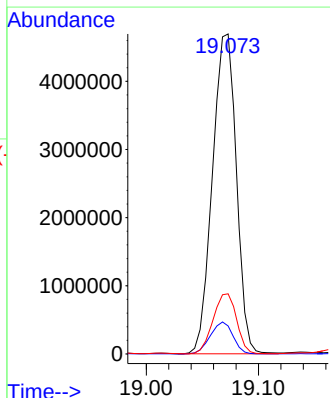
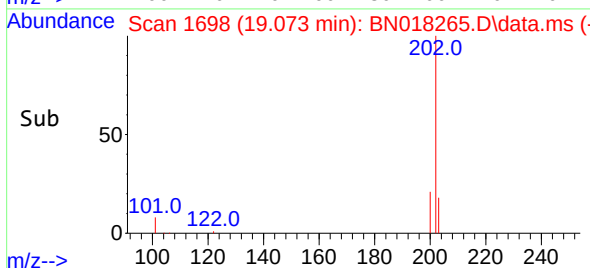
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

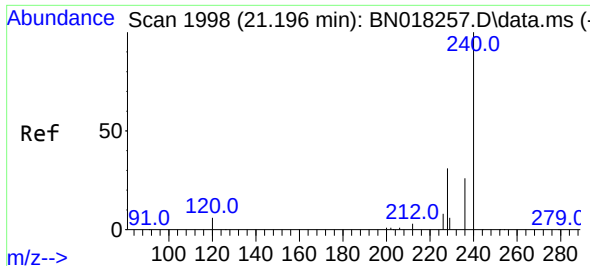


#28
Fluoranthene
Concen: 14.729 ng
RT: 19.073 min Scan# 1698
Delta R.T. 0.005 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37



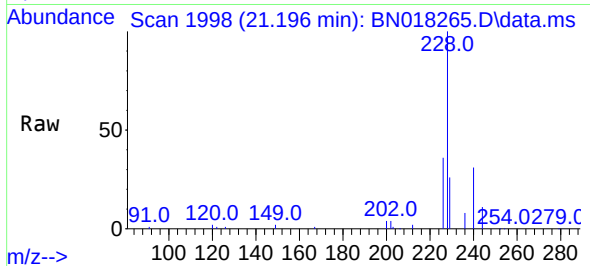
Tgt Ion:202 Resp: 6950128
Ion Ratio Lower Upper
202 100
101 9.4 7.2 10.8
203 18.5 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.196 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

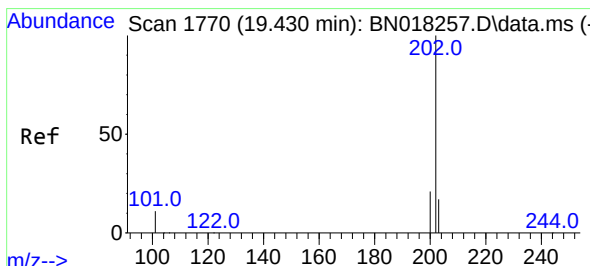
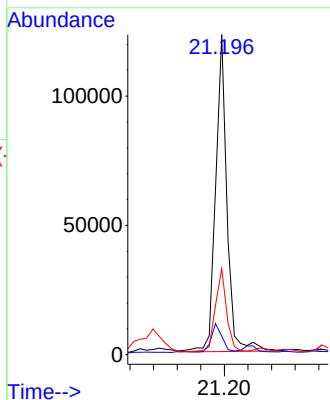
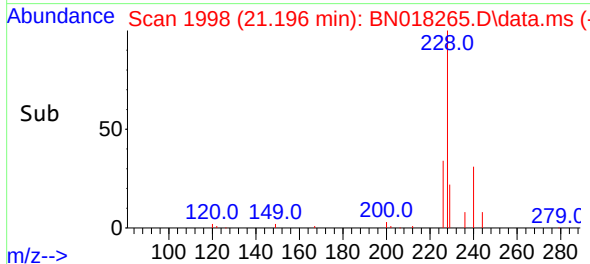
Instrument :
BNA_N
ClientSampleId :
SB-COMP



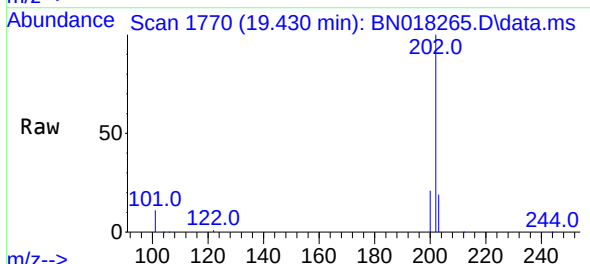
Tgt Ion:240 Resp: 163019
Ion Ratio Lower Upper
240 100
120 5.9 6.0 9.0
236 26.9 21.4 32.2

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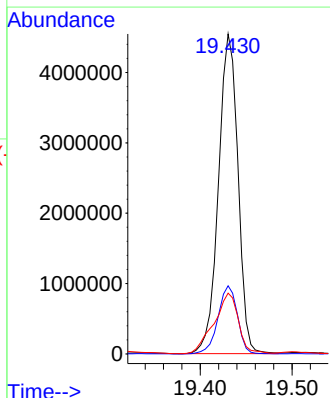
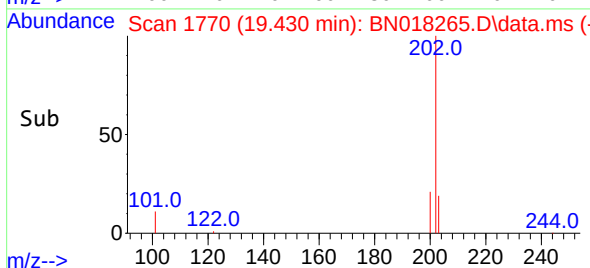
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

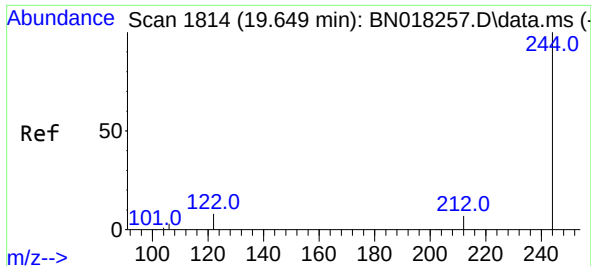


#30
Pyrene
Concen: 10.506 ng
RT: 19.430 min Scan# 1770
Delta R.T. 0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37



Tgt Ion:202 Resp: 6716284
Ion Ratio Lower Upper
202 100
200 21.2 16.6 25.0
203 23.7 14.1 21.1





#31
Terphenyl-d14
Concen: 0.073 ng
RT: 19.644 min Scan# 1814
Delta R.T. -0.005 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

Instrument :

BNA_N

ClientSampleId :

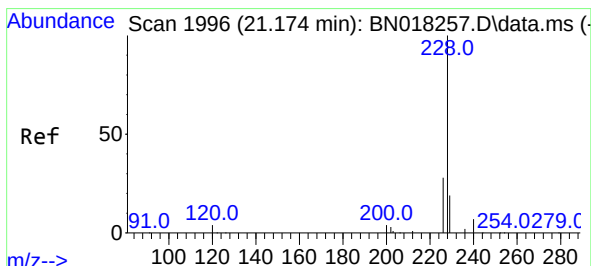
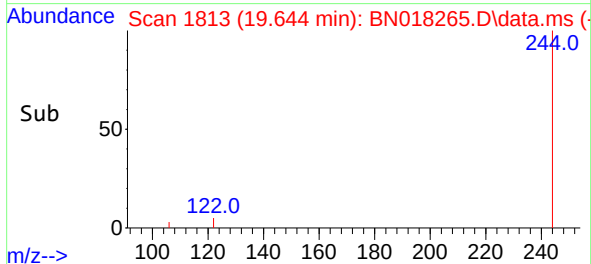
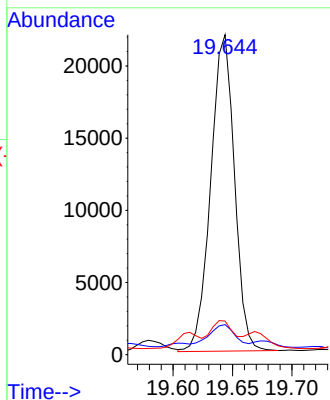
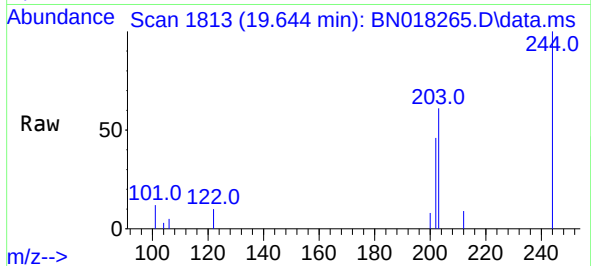
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Tgt Ion:244 Resp: 3042
Ion Ratio Lower Upper
244 100
212 9.4 6.2 9.2
122 10.5 7.9 11.9

Manual Integrations

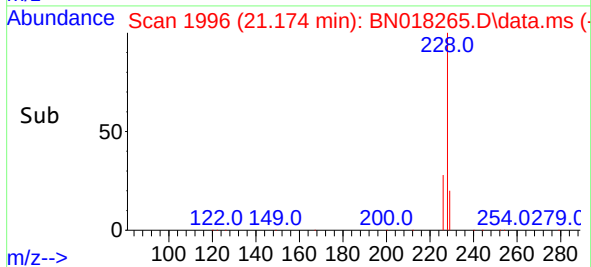
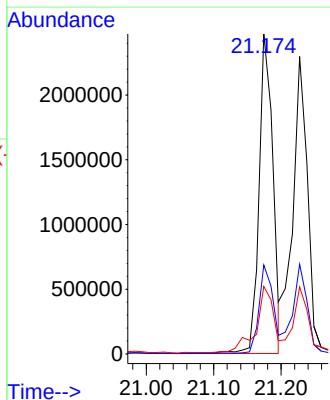
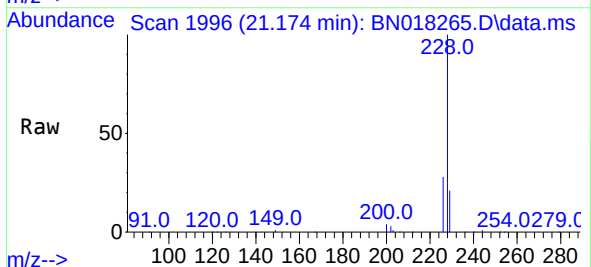
APPROVED

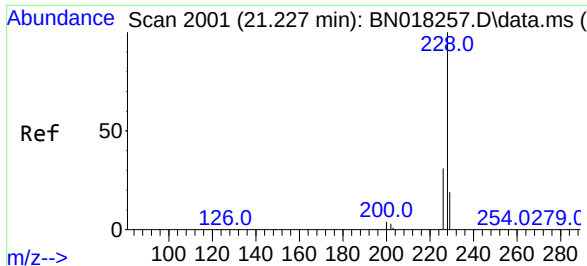
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#32
Benzo(a)anthracene
Concen: 6.729 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

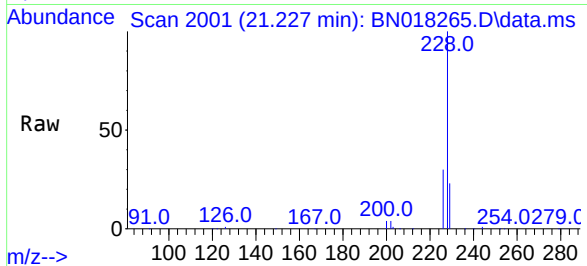
Tgt Ion:228 Resp: 3514072
Ion Ratio Lower Upper
228 100
226 27.8 21.3 31.9
229 21.1 15.9 23.9





#33
Chrysene
Concen: 6.635 ng m
RT: 21.227 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

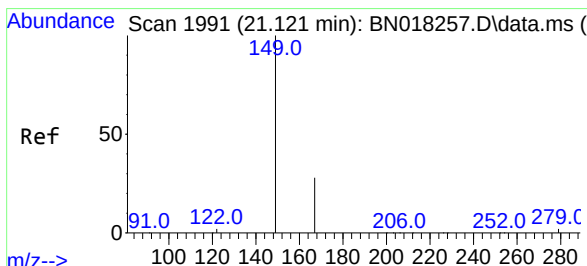
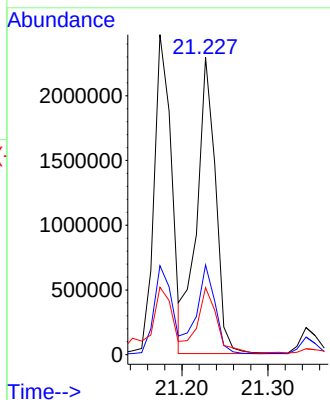
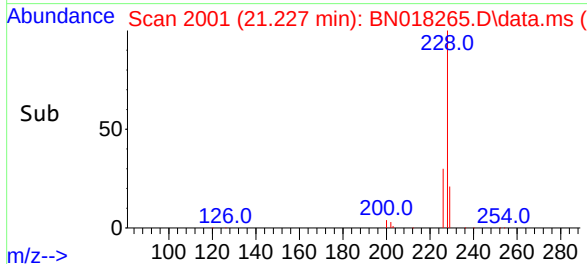
Instrument :
BNA_N
ClientSampleId :
SB-COMP



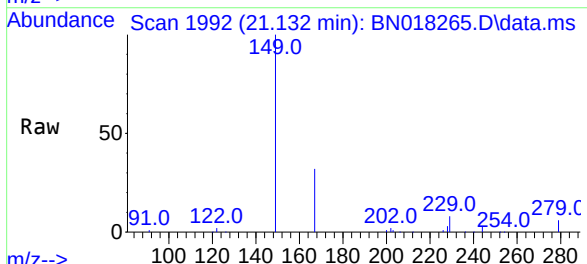
Tgt Ion:228 Resp: 3482064
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.4
229 22.6 15.5 23.3

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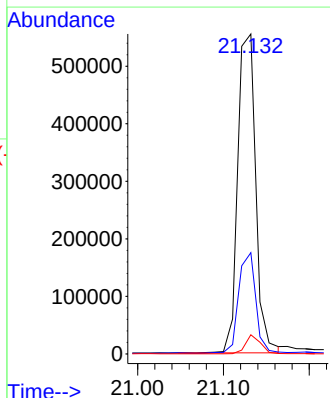
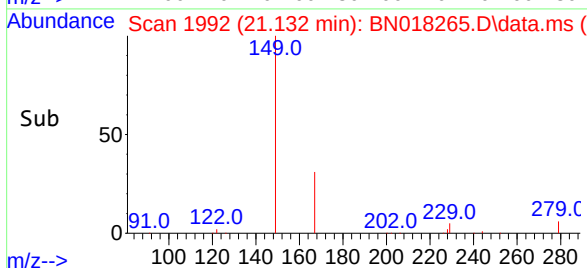
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

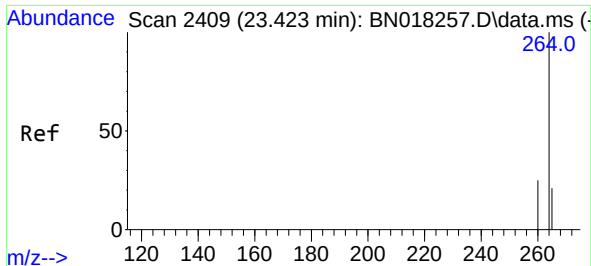


#34
Bis(2-ethylhexyl)phthalate
Concen: 3.965 ng
RT: 21.132 min Scan# 1992
Delta R.T. 0.011 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37



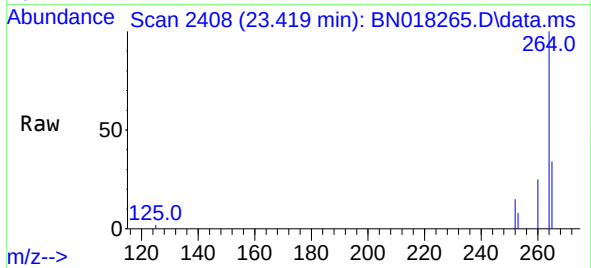
Tgt Ion:149 Resp: 806762
Ion Ratio Lower Upper
149 100
167 30.2 23.7 35.5
279 5.0 3.6 5.4





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.419 min Scan# 2409
Delta R.T. -0.003 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

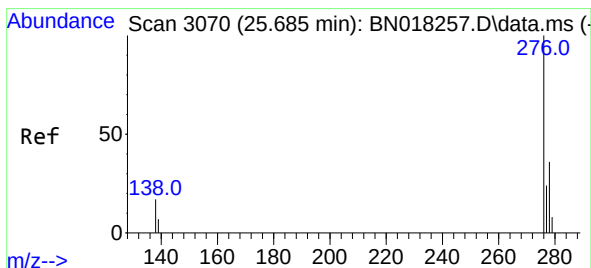
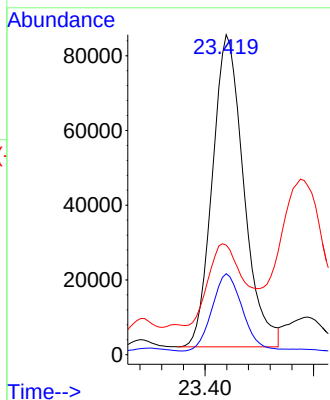
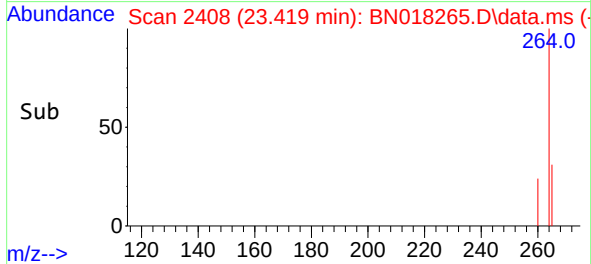
Instrument :
BNA_N
ClientSampleId :
SB-COMP



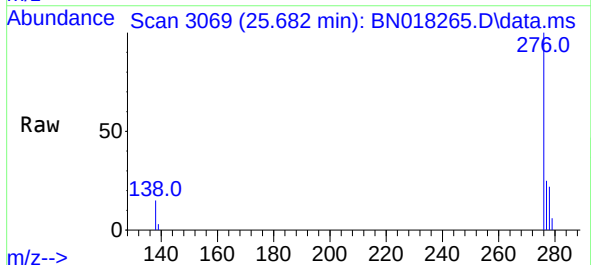
Tgt Ion:264 Resp: 167499
Ion Ratio Lower Upper
264 100
260 25.3 20.2 30.4
265 34.2 18.2 27.2

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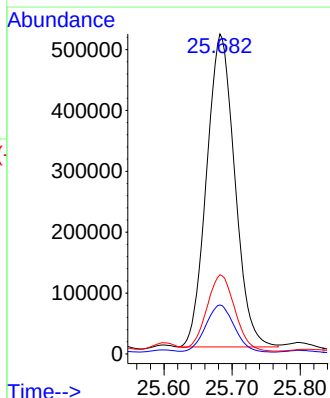
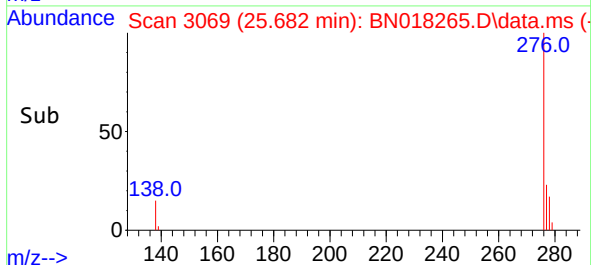
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

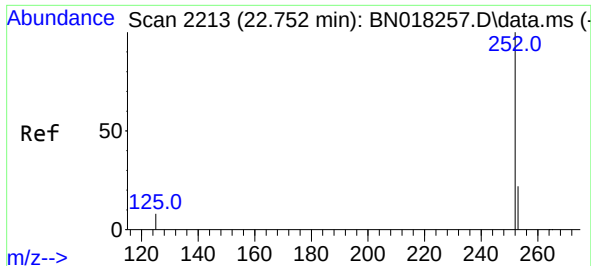


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.689 ng
RT: 25.682 min Scan# 3069
Delta R.T. -0.003 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37



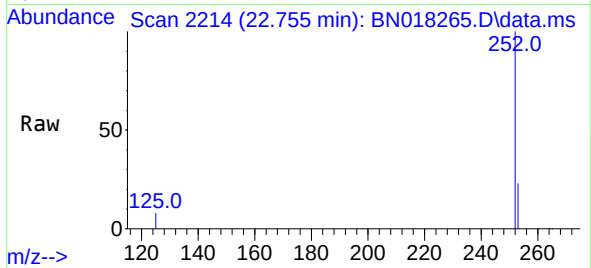
Tgt Ion:276 Resp: 1475735
Ion Ratio Lower Upper
276 100
138 15.2 14.9 22.3
277 24.5 19.9 29.9





#37
Benzo(b)fluoranthene
Concen: 7.227 ng
RT: 22.755 min Scan# 211
Delta R.T. 0.003 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

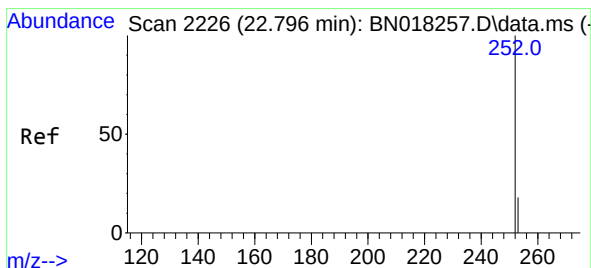
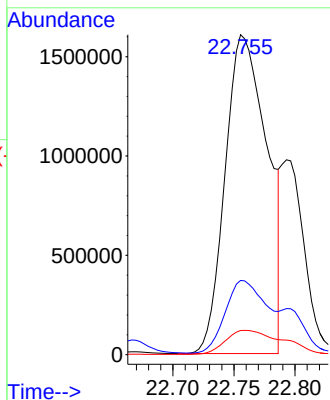
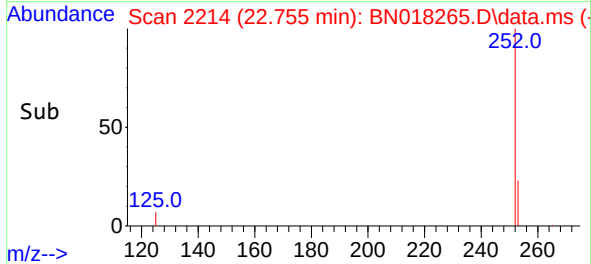
Instrument :
BNA_N
ClientSampleId :
SB-COMP



Tgt Ion:252 Resp: 3846940
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 7.6 6.0 9.0

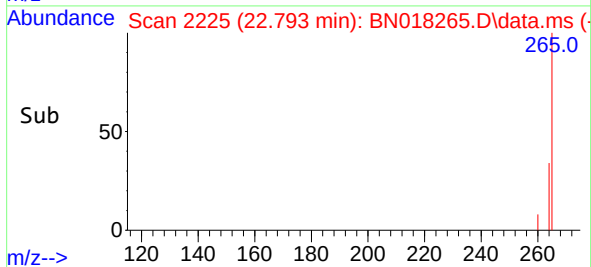
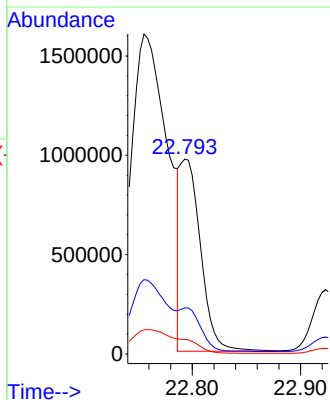
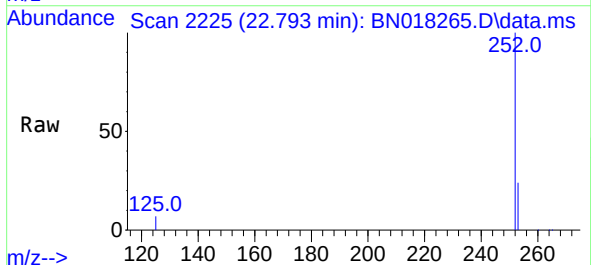
Manual Integrations
APPROVED

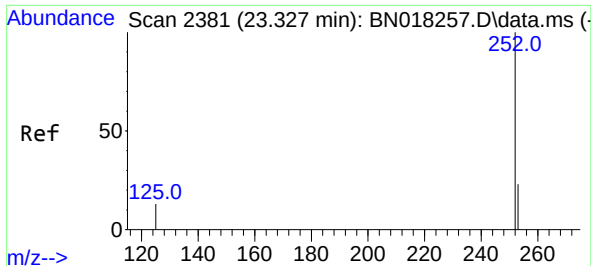
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#38
Benzo(k)fluoranthene
Concen: 2.530 ng m
RT: 22.793 min Scan# 2225
Delta R.T. -0.003 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

Tgt Ion:252 Resp: 1275018
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 7.5 6.2 9.2





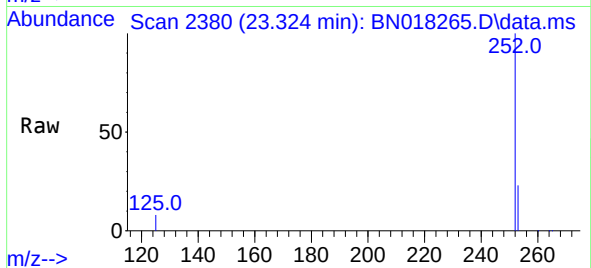
#39
Benzo(a)pyrene
Concen: 6.064 ng
RT: 23.324 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

Instrument :

BNA_N

ClientSampleId :

SB-COMP

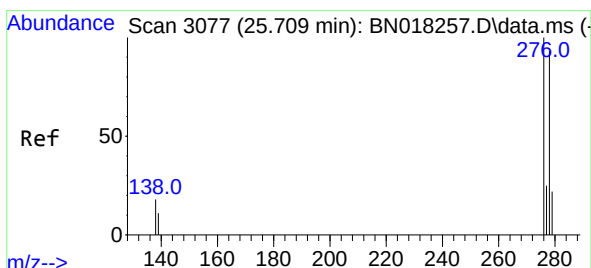
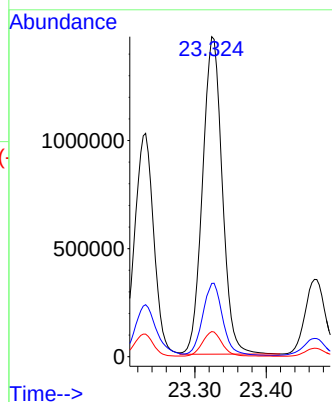


Tgt Ion:252 Resp: 2808100
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 7.8 7.0 10.4

Manual Integrations

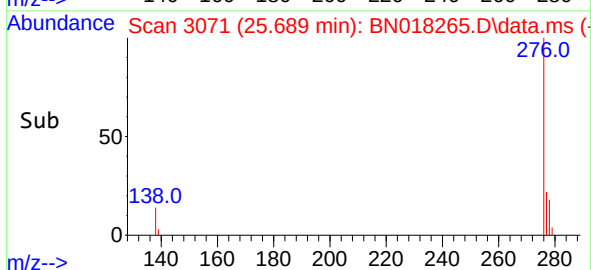
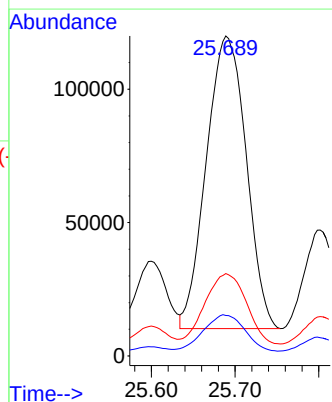
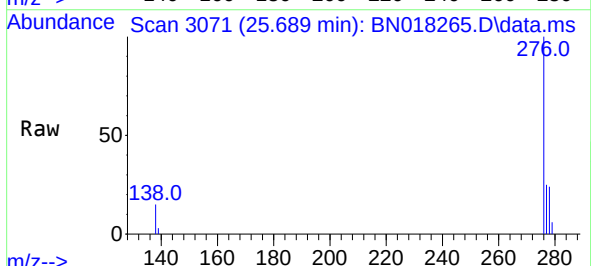
APPROVED

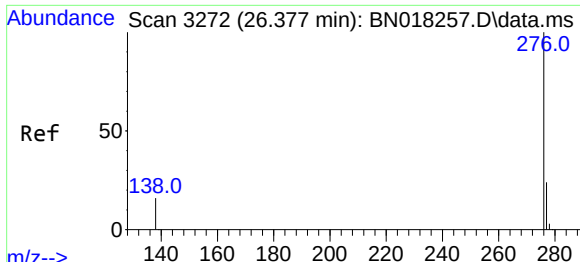
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#40
Dibenzo(a,h)anthracene
Concen: 1.273 ng
RT: 25.689 min Scan# 3071
Delta R.T. -0.021 min
Lab File: BN018265.D
Acq: 29 Dec 2021 17:37

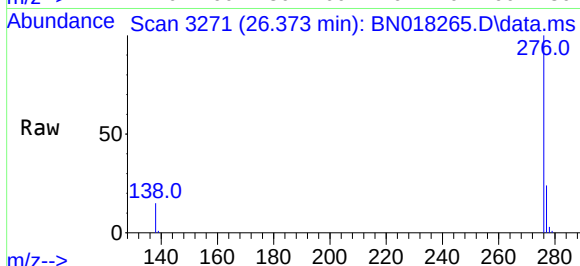
Tgt Ion:278 Resp: 363026
Ion Ratio Lower Upper
278 100
139 12.7 10.8 16.2
279 25.7 19.0 28.4





#41
 Benzo(g,h,i)perylene
 Concen: 3.676 ng
 RT: 26.373 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: BN018265.D
 Acq: 29 Dec 2021 17:37

Instrument :
 BNA_N
 ClientSampleId :
 SB-COMP



Tgt Ion:276 Resp: 1467030
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.0 28.6
 138 15.4 12.6 19.0

Manual Integrations
 APPROVED

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

