

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
 Data File : BN018202.D
 Acq On : 24 Dec 2021 05:12
 Operator : CG/JU
 Sample : M5224-06 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-COMP

Manual Integrations
 APPROVED

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

Quant Time: Dec 24 23:34:27 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	27718	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	123577	0.400	ng	0.00
13) Acenaphthene-d10	14.256	164	80792	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	171269	0.400	ng	0.00
29) Chrysene-d12	21.195	240	169480	0.400	ng	# 0.00
35) Perylene-d12	23.419	264	195069	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.236	112	4471	0.074	ng	0.00
5) Phenol-d6	6.812	99	5204	0.080	ng	0.00
8) Nitrobenzene-d5	8.771	82	6693m	0.080	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	14714	0.069	ng	0.00
14) 2,4,6-Tribromophenol	15.740	330	3467	0.246	ng	-0.01
15) 2-Fluorobiphenyl	12.873	172	21789	0.072	ng	-0.01
27) Fluoranthene-d10	19.033	212	35064	0.065	ng	0.00
31) Terphenyl-d14	19.638	244	33893	0.091	ng	0.00
Target Compounds					Qvalue	
9) Naphthalene	10.444	128	1051901	3.448	ng	100
12) 2-Methylnaphthalene	12.065	142	330749	1.642	ng	99
16) Acenaphthylene	13.964	152	269910	0.899	ng	97
17) Acenaphthene	14.307	154	455585	2.176	ng	99
18) Fluorene	15.296	166	555160m	2.157	ng	
24) Pentachlorophenol	16.664	266	344	0.299	ng	# 86
25) Phenanthrene	17.042	178	6761647	14.875	ng	98
26) Anthracene	17.127	178	1656145	4.422	ng	# 92
28) Fluoranthene	19.068	202	6888633	12.980	ng	97
30) Pyrene	19.430	202	6610732	12.154	ng	# 93
32) Benzo(a)anthracene	21.174	228	3654137	7.422	ng	98
33) Chrysene	21.227	228	3450041	6.423	ng	96
34) Bis(2-ethylhexyl)phtha...	21.121	149	861567	3.396	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.682	276	1637344	2.900	ng	# 96
37) Benzo(b)fluoranthene	22.755	252	3943972	6.537	ng	98
38) Benzo(k)fluoranthene	22.793	252	1513431m	2.490	ng	
39) Benzo(a)pyrene	23.323	252	3119933	5.753	ng	98
40) Dibenzo(a,h)anthracene	25.689	278	433543	0.928	ng	96
41) Benzo(g,h,i)perylene	26.373	276	1532835	2.947	ng	98

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

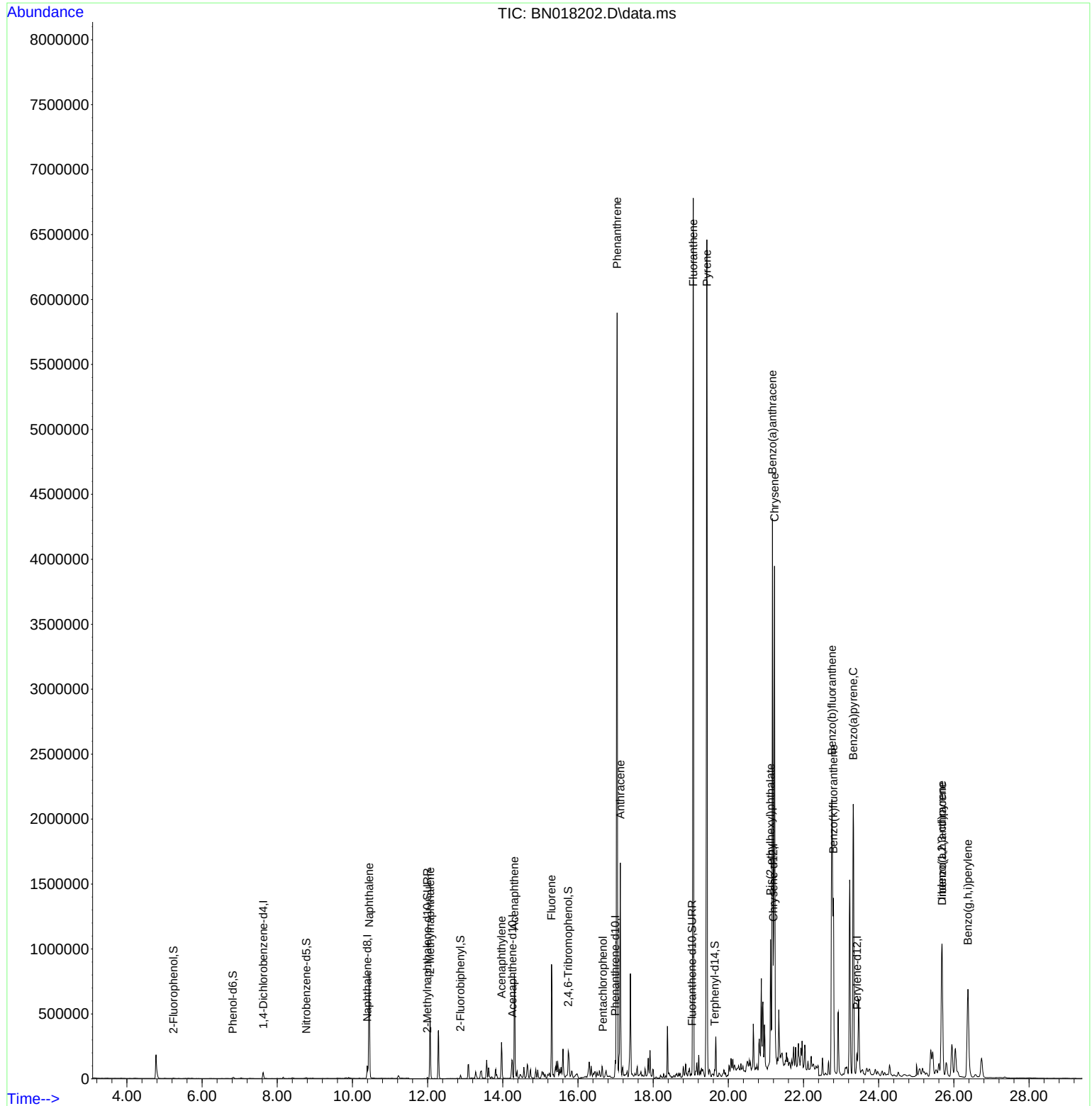
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
Data File : BN018202.D
Acq On : 24 Dec 2021 05:12
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ALS Vial : 31 Sample Multiplier: 1

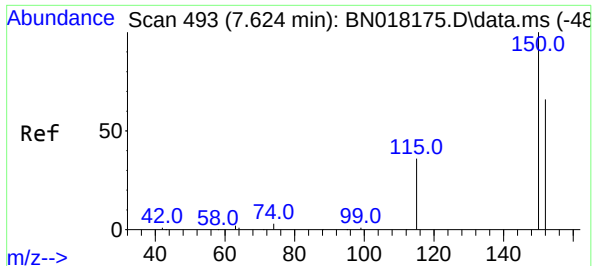
Instrument :
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ClientSampleId :
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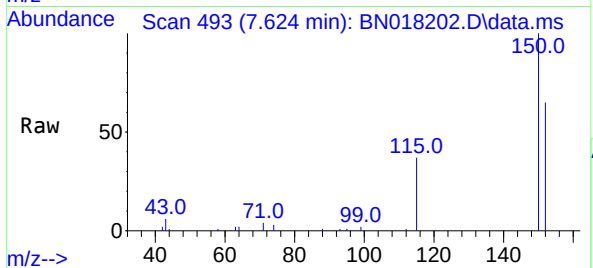
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1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.624 min Scan# 493
Delta R.T. -0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

Instrument :

BNA_N

ClientSampleId :

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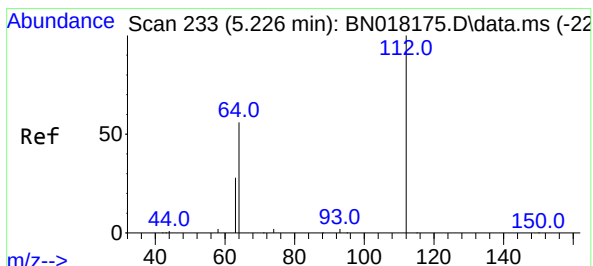
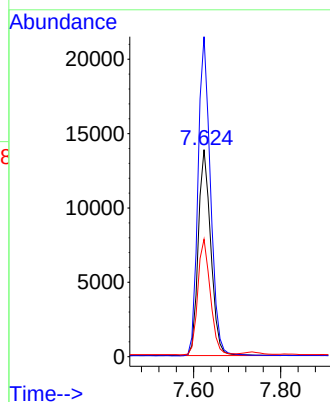


Tgt Ion:152 Resp: 27718
Ion Ratio Lower Upper
152 100
150 154.6 121.7 182.5
115 56.8 43.8 65.8

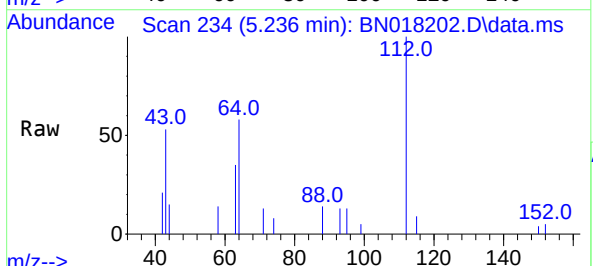
Manual Integrations

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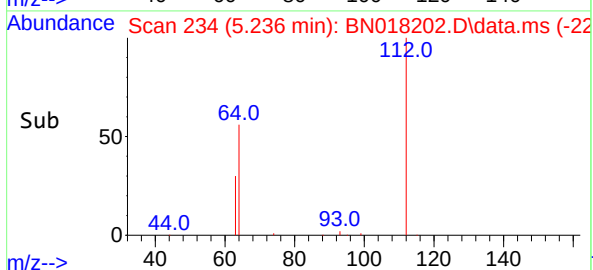
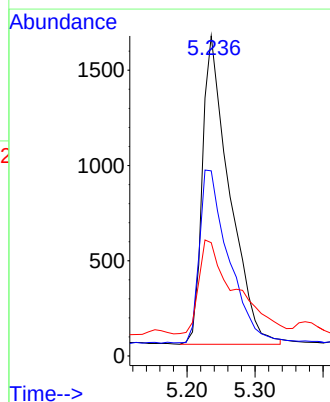
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

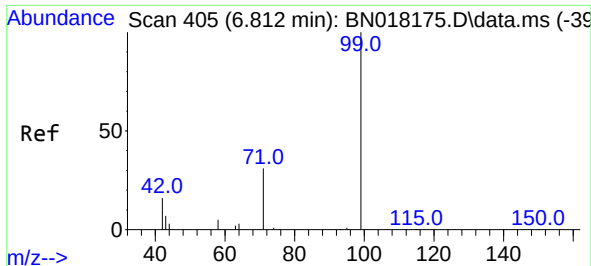


#4
2-Fluorophenol
Concen: 0.074 ng
RT: 5.236 min Scan# 234
Delta R.T. 0.010 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12



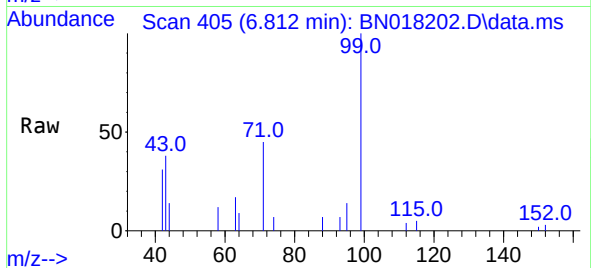
Tgt Ion:112 Resp: 4471
Ion Ratio Lower Upper
112 100
64 60.5 48.0 72.0
63 40.5 25.3 37.9





#5
Phenol-d6
Concen: 0.080 ng
RT: 6.812 min Scan# 405
Delta R.T. 0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

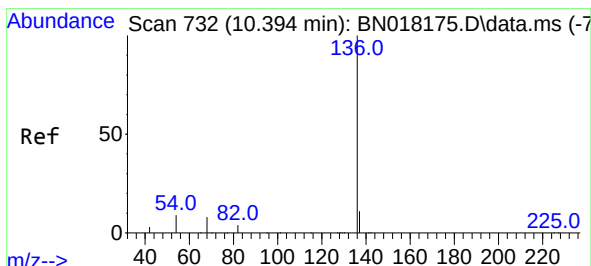
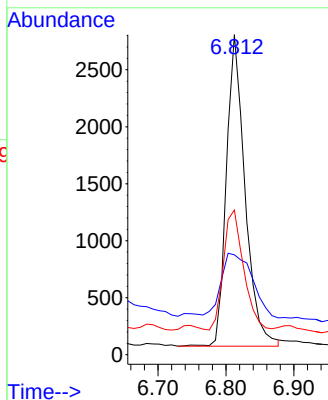
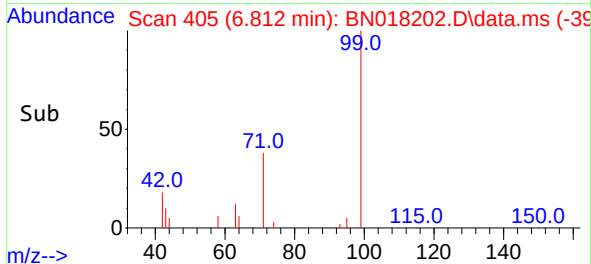
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 99 Resp: 5204
Ion Ratio Lower Upper
99 100
42 34.6 16.3 24.5
71 41.7 26.8 40.2

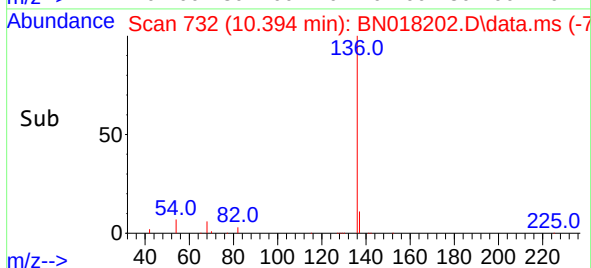
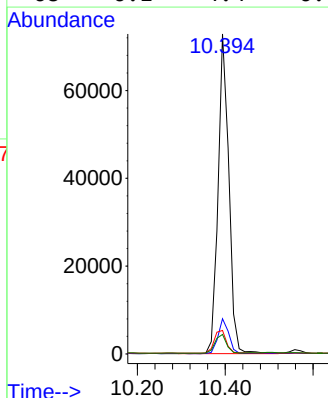
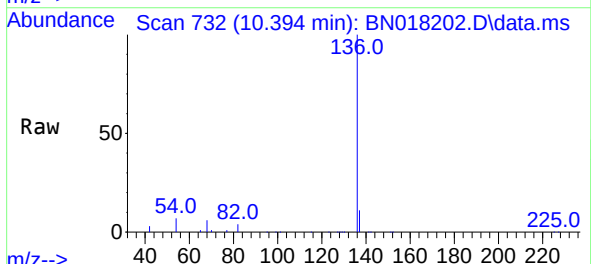
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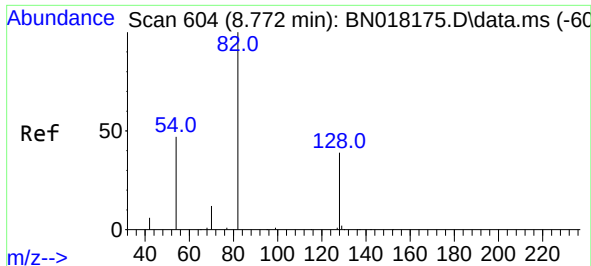
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

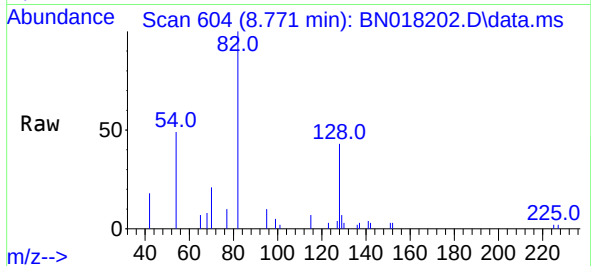
Tgt Ion:136 Resp: 123577
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.4 5.0 7.6
68 6.1 4.4 6.6





#8
Nitrobenzene-d5
Concen: 0.080 ng m
RT: 8.771 min Scan# 604
Delta R.T. -0.001 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

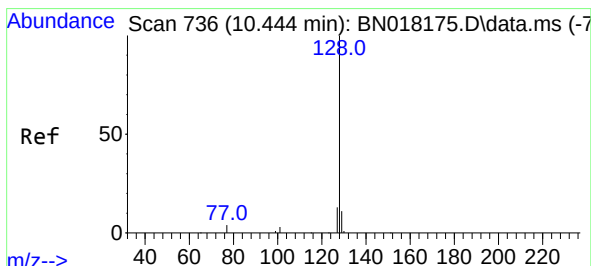
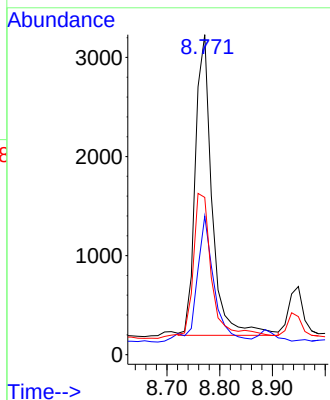
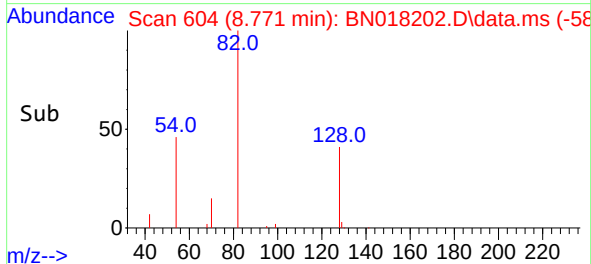
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 82 Resp: 669
Ion Ratio Lower Upper
82 100
128 43.3 33.7 50.5
54 49.2 36.6 55.0

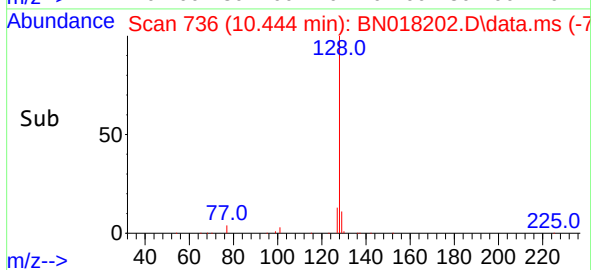
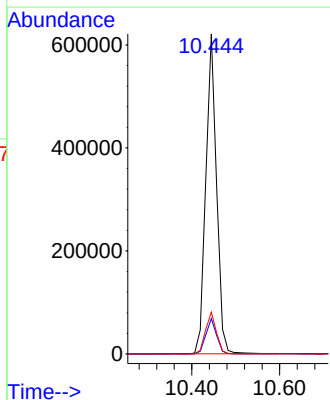
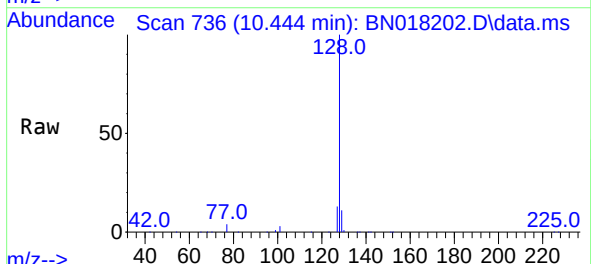
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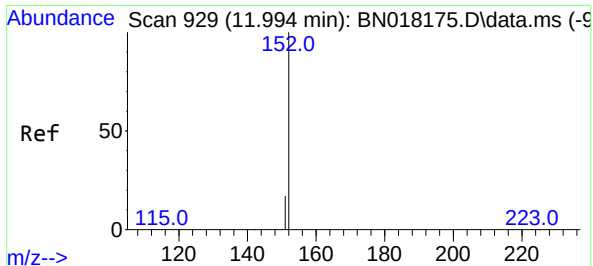
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#9
Naphthalene
Concen: 3.448 ng
RT: 10.444 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

Tgt Ion:128 Resp: 1051901
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.1 10.4 15.6





#11

2-Methylnaphthalene-d10

Concen: 0.069 ng

RT: 11.994 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN018202.D

Acq: 24 Dec 2021 05:12

Instrument :

BNA_N

ClientSampleId :

SB-COMP

Tgt Ion:152 Resp: 14714

Ion Ratio Lower Upper

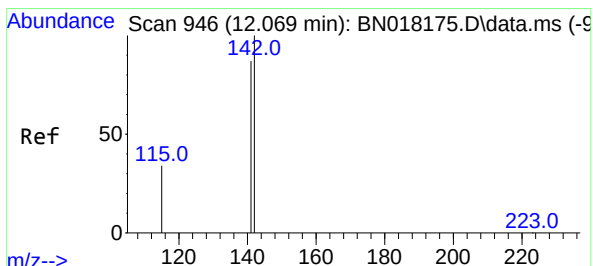
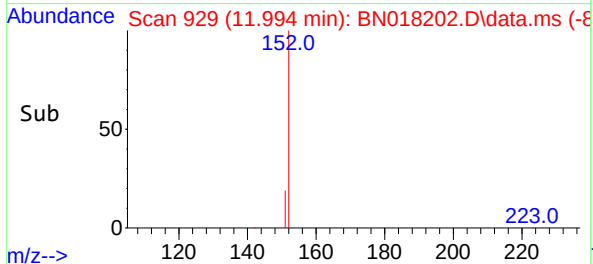
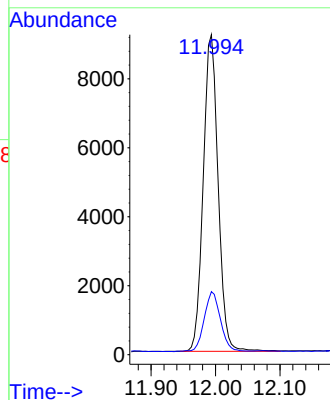
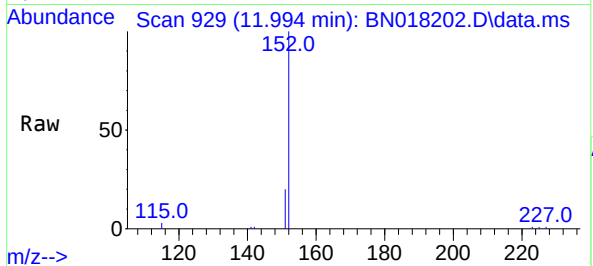
152 100

151 20.7 16.2 24.2

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#12

2-Methylnaphthalene

Concen: 1.642 ng

RT: 12.065 min Scan# 945

Delta R.T. -0.004 min

Lab File: BN018202.D

Acq: 24 Dec 2021 05:12

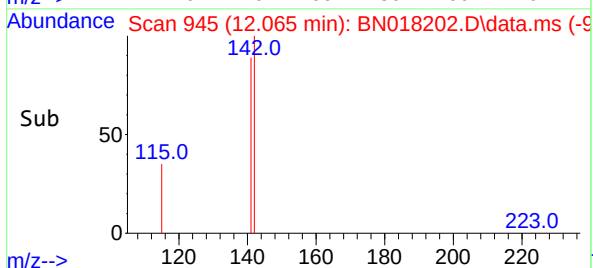
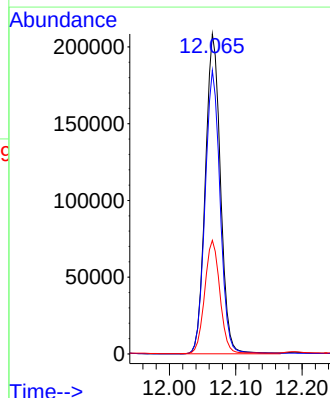
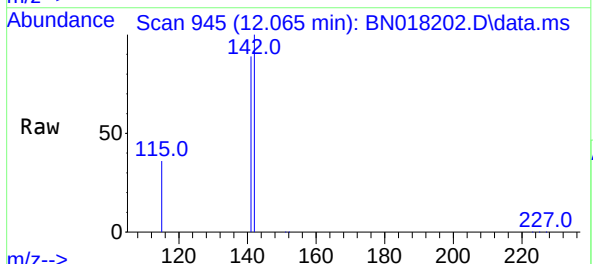
Tgt Ion:142 Resp: 330749

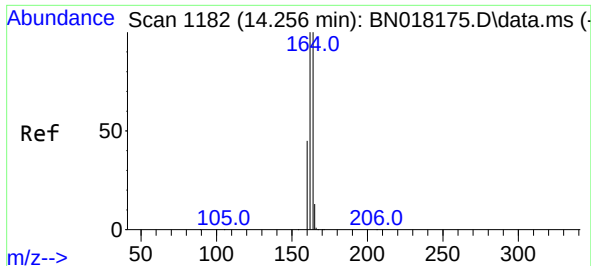
Ion Ratio Lower Upper

142 100

141 88.6 70.0 105.0

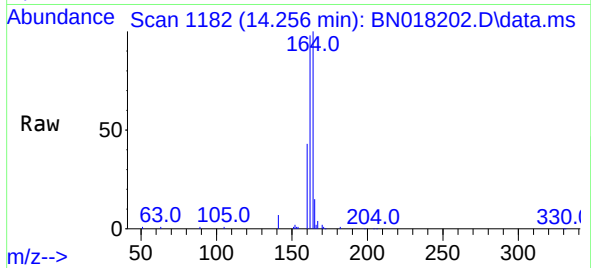
115 35.5 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

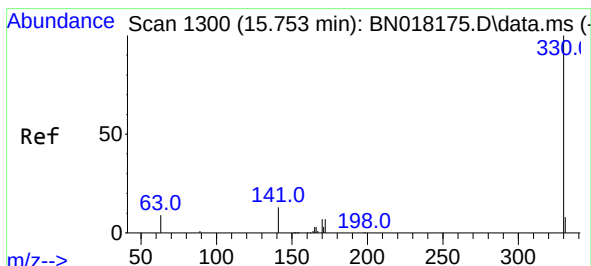
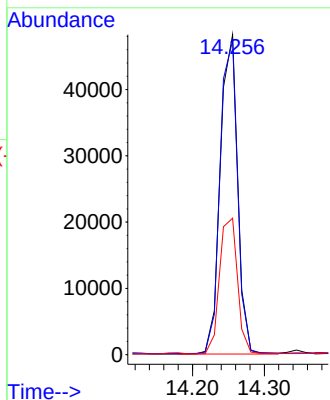
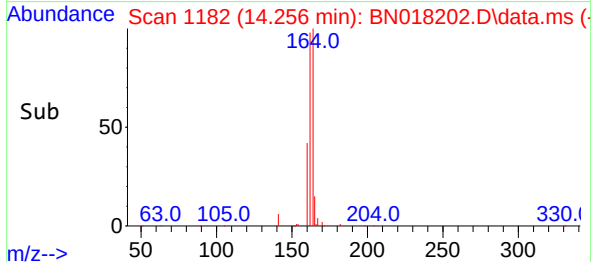
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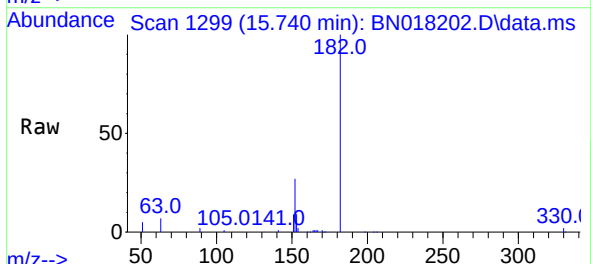
Tgt Ion:164 Resp: 80792
Ion Ratio Lower Upper
164 100
162 98.2 80.2 120.2
160 42.7 36.9 55.3

Manual Integrations
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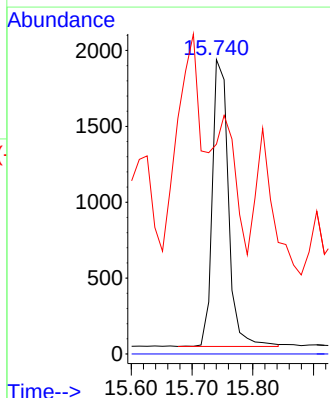
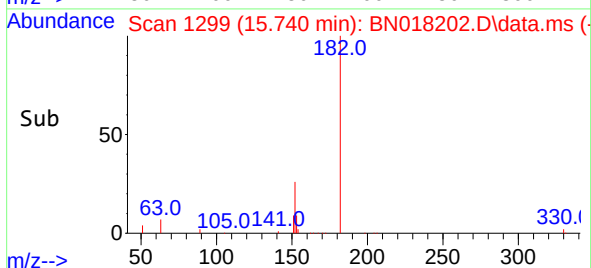
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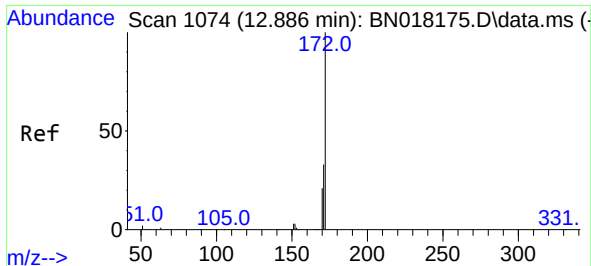


#14
2,4,6-Tribromophenol
Concen: 0.246 ng
RT: 15.740 min Scan# 1299
Delta R.T. -0.013 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12



Tgt Ion:330 Resp: 3467
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.072 ng
RT: 12.873 min Scan# 1159
Delta R.T. -0.013 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

Instrument :

BNA_N

ClientSampleId :

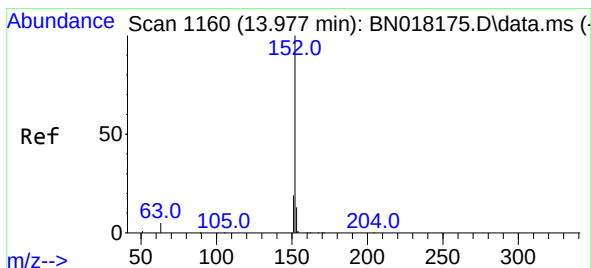
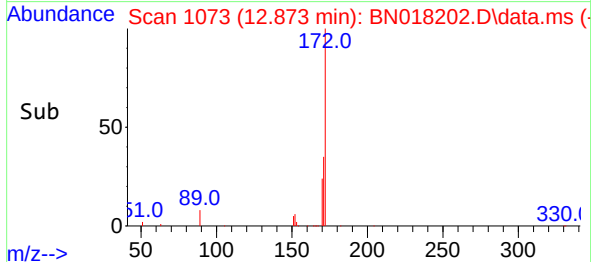
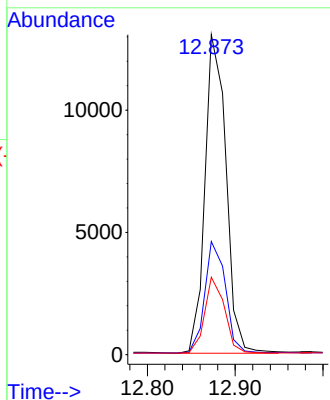
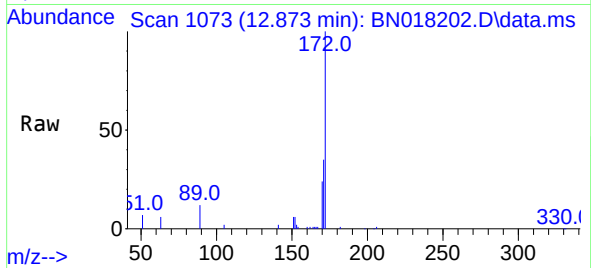
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Ion Ratio Lower Upper
172 100
171 35.3 27.4 41.0
170 24.2 18.4 27.6

Manual Integrations

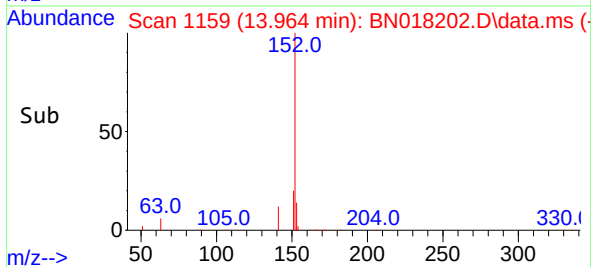
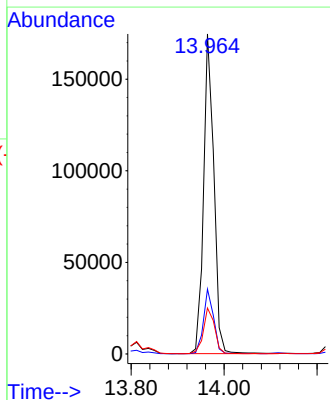
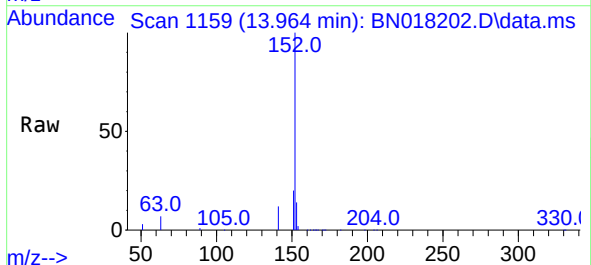
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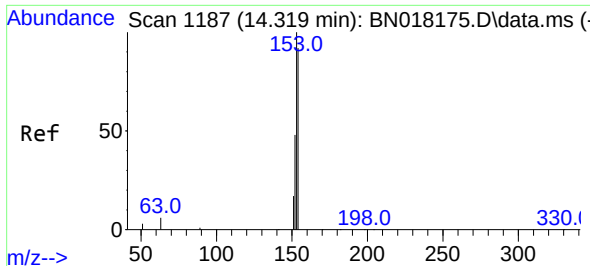
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#16
Acenaphthylene
Concen: 0.899 ng
RT: 13.964 min Scan# 1159
Delta R.T. -0.013 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

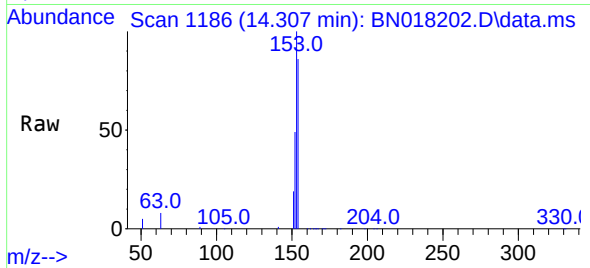
Tgt Ion:152 Resp: 269910
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.6
153 15.7 10.5 15.7





#17
Acenaphthene
Concen: 2.176 ng
RT: 14.307 min Scan# 1186
Delta R.T. -0.012 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

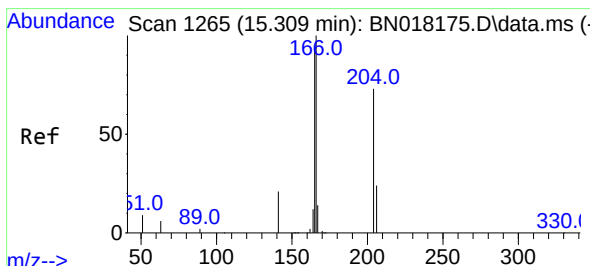
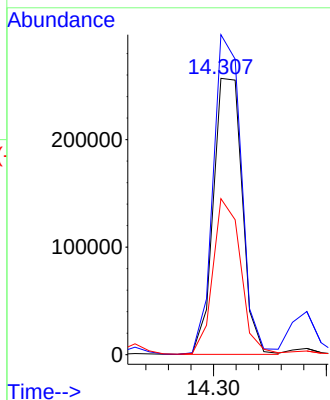
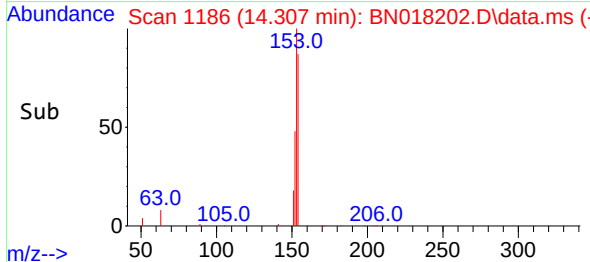
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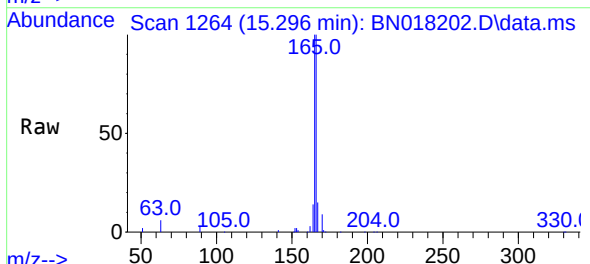
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Ion Ratio Lower Upper
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152 55.1 45.0 67.4

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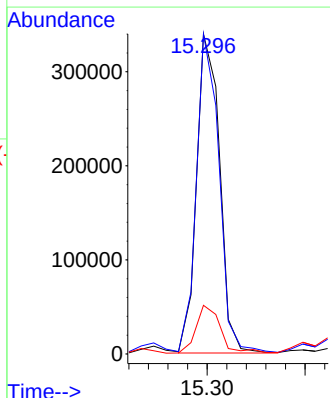
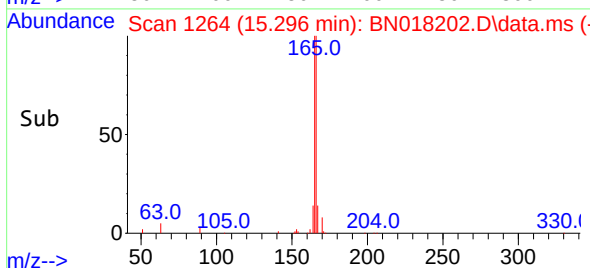
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

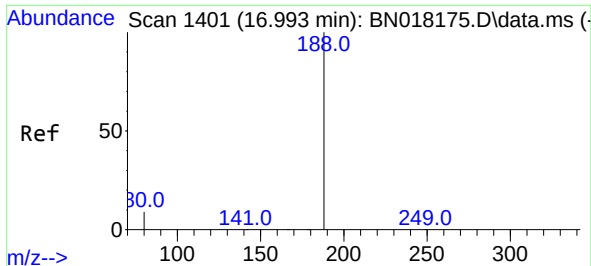


#18
Fluorene
Concen: 2.157 ng m
RT: 15.296 min Scan# 1264
Delta R.T. -0.013 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12



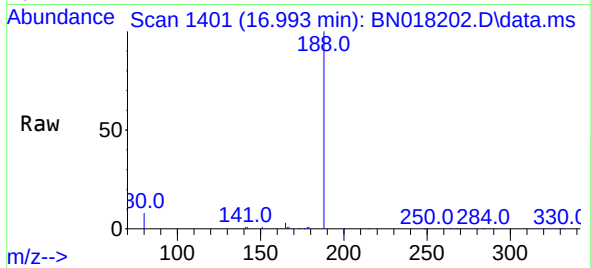
Tgt Ion:166 Resp: 555160
Ion Ratio Lower Upper
166 100
165 103.3 77.8 116.6
167 15.9 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

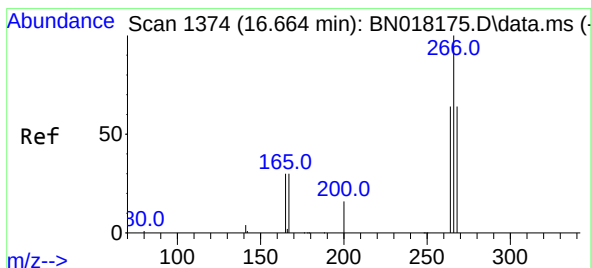
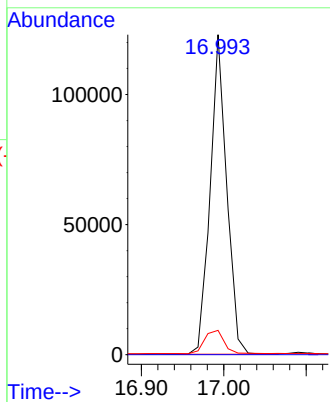
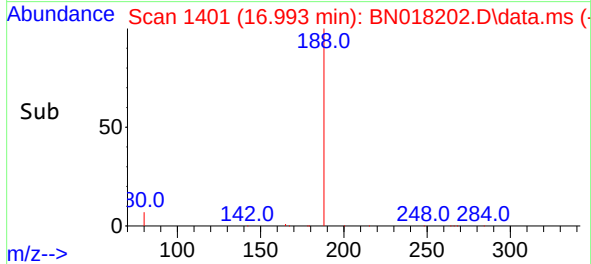
Instrument :
BNA_N
ClientSampleId :
SB-COMP



Tgt Ion:188 Resp: 171269
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.6 7.0 10.4

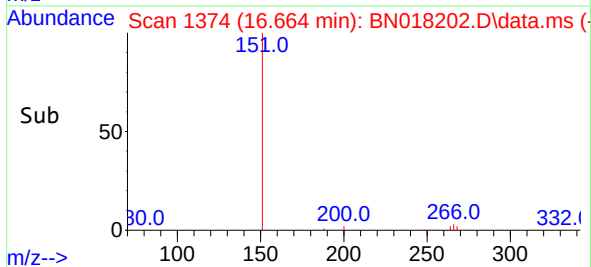
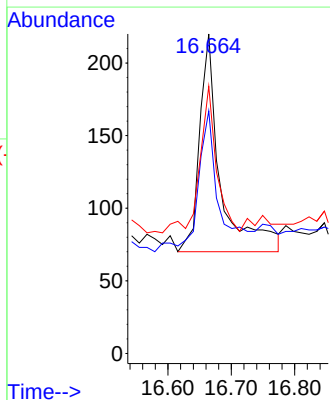
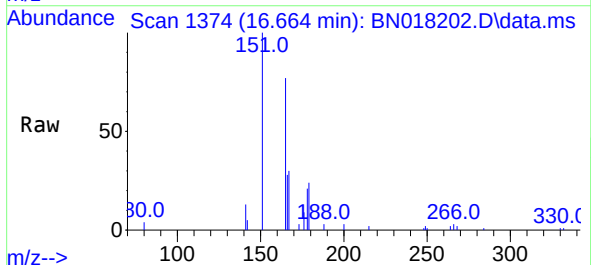
Manual Integrations
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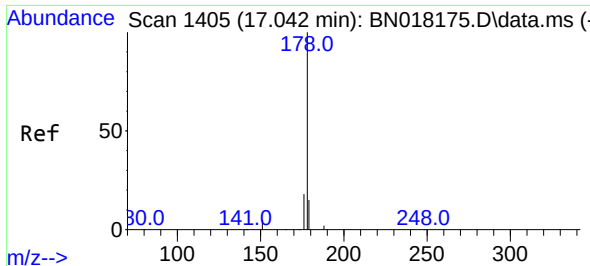
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#24
Pentachlorophenol
Concen: 0.299 ng
RT: 16.664 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

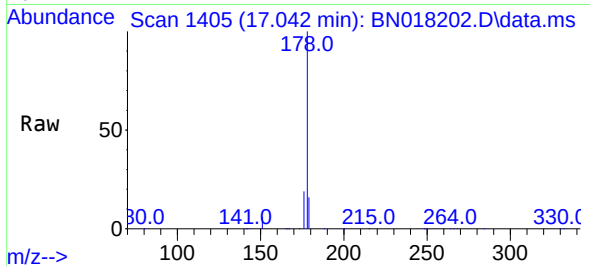
Tgt Ion:266 Resp: 344
Ion Ratio Lower Upper
266 100
264 49.1 49.5 74.3#
268 54.7 50.6 76.0





#25
Phenanthrene
Concen: 14.875 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

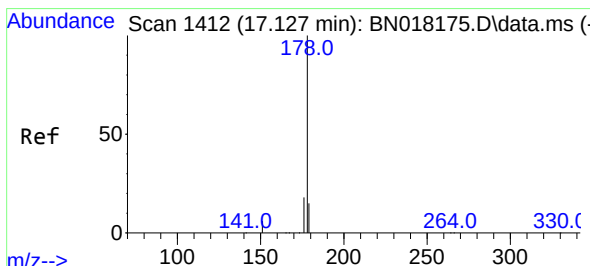
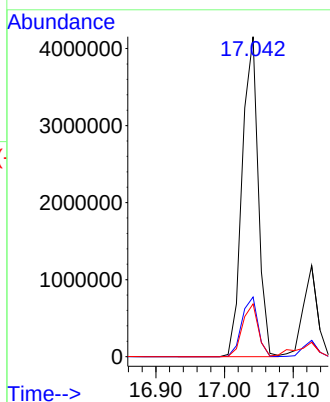
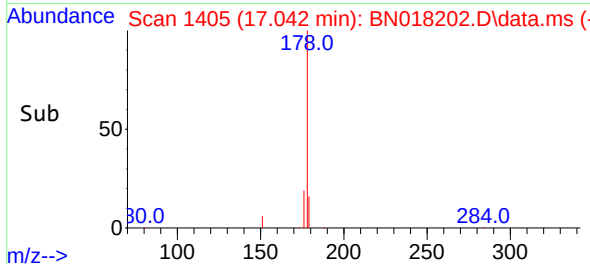
Instrument :
BNA_N
ClientSampleId :
SB-COMP



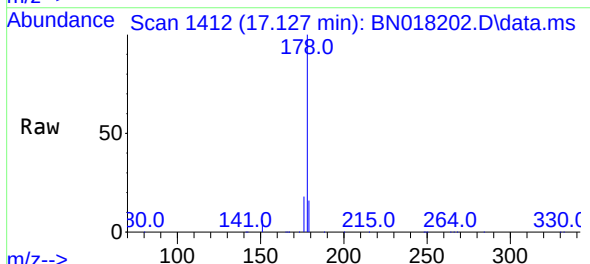
Tgt Ion:178 Resp: 676164
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 16.5 12.3 18.5

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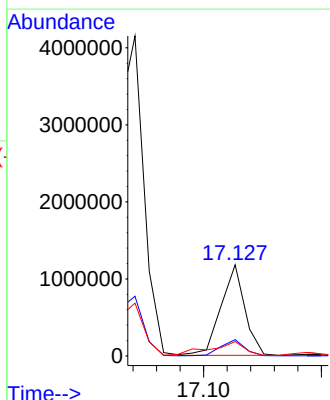
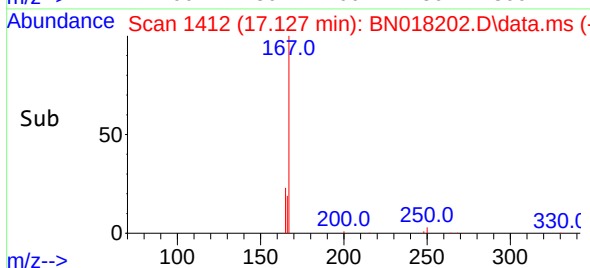
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

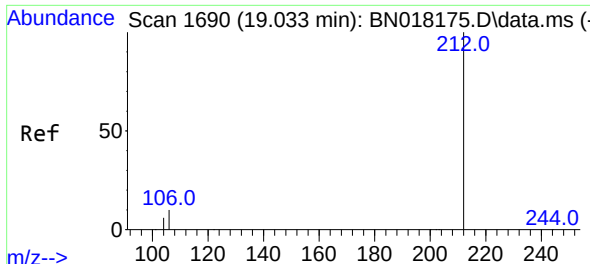


#26
Anthracene
Concen: 4.422 ng
RT: 17.127 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12



Tgt Ion:178 Resp: 1656145
Ion Ratio Lower Upper
178 100
176 17.8 14.8 22.2
179 21.6 12.2 18.4#





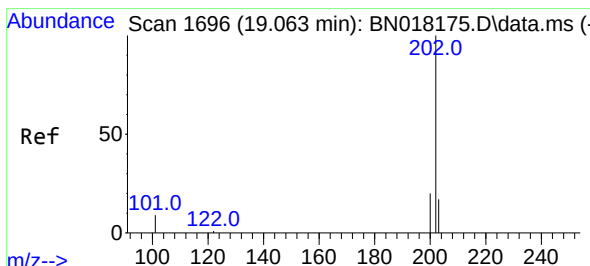
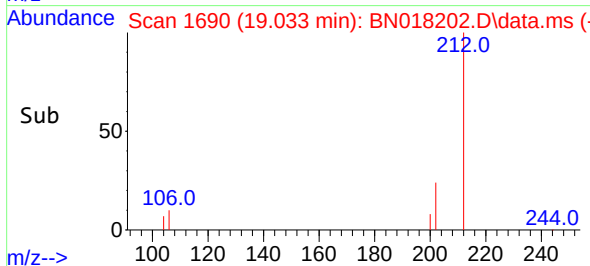
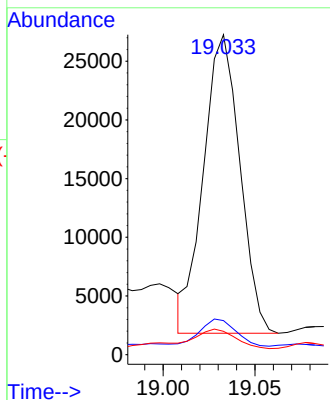
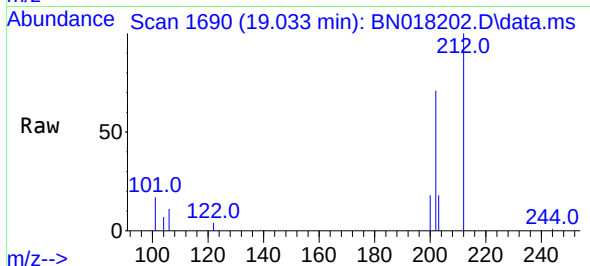
#27
Fluoranthene-d10
Concen: 0.065 ng
RT: 19.033 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

Instrument :
BNA_N
ClientSampleId :
SB-COMP

Tgt Ion:212 Resp: 35064
Ion Ratio Lower Upper
212 100
106 8.9 8.4 12.6
104 9.3 4.5 6.7

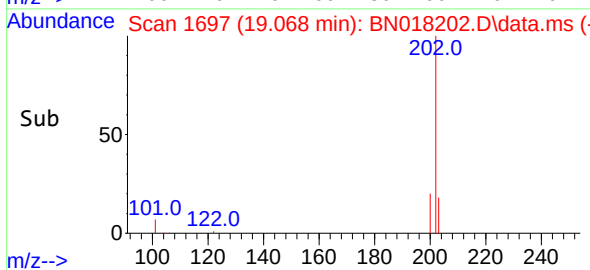
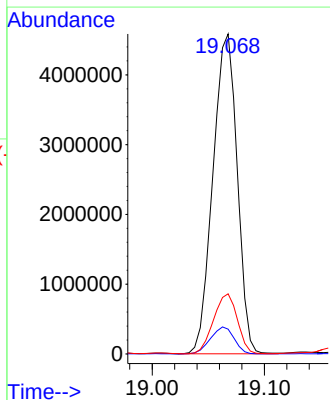
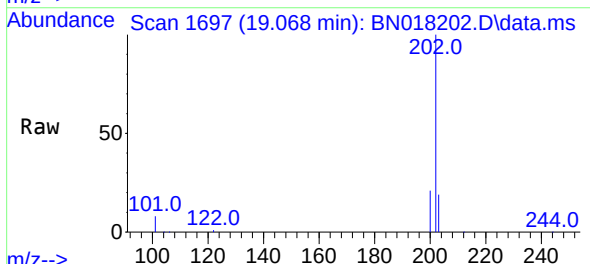
Manual Integrations
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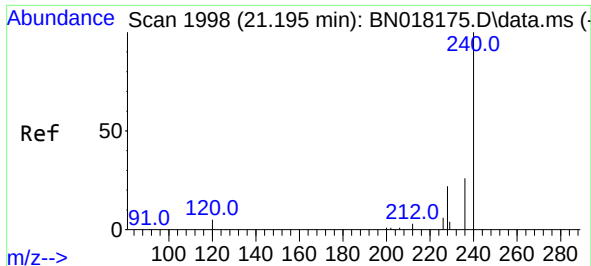
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#28
Fluoranthene
Concen: 12.980 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.005 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

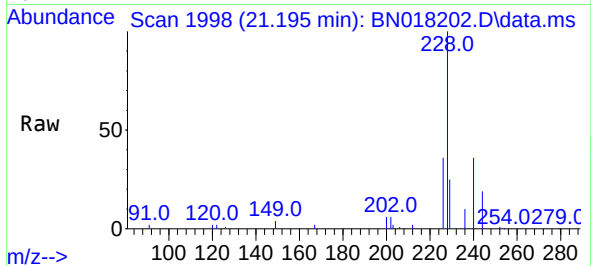
Tgt Ion:202 Resp: 6888633
Ion Ratio Lower Upper
202 100
101 8.2 7.2 10.8
203 18.4 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.195 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

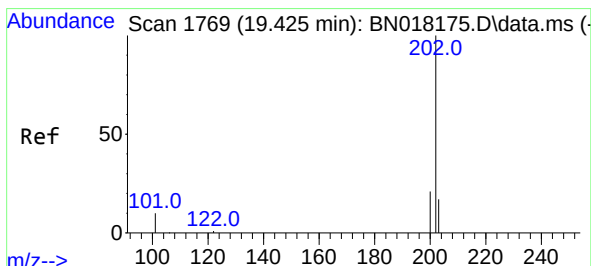
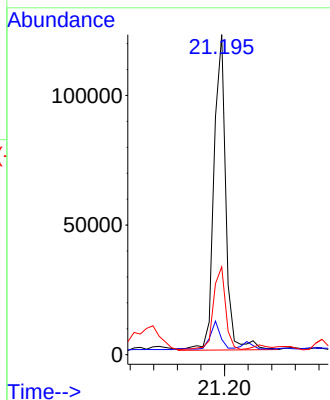
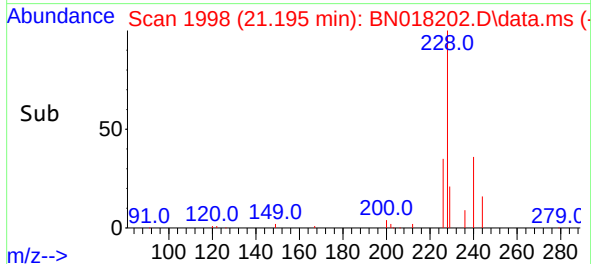
Instrument :
BNA_N
ClientSampleId :
SB-COMP



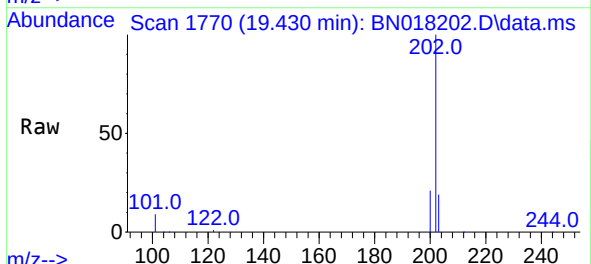
Tgt Ion:240 Resp: 169480
Ion Ratio Lower Upper
240 100
120 4.8 6.0 9.0
236 27.4 21.4 32.2

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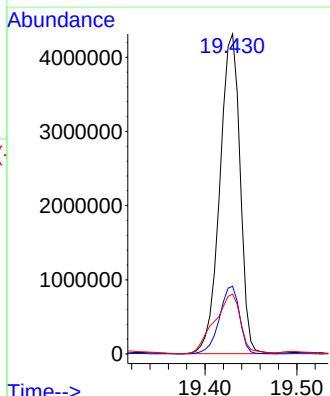
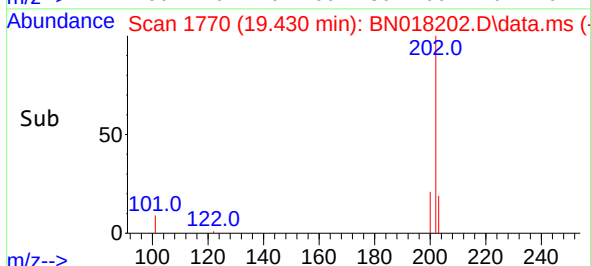
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

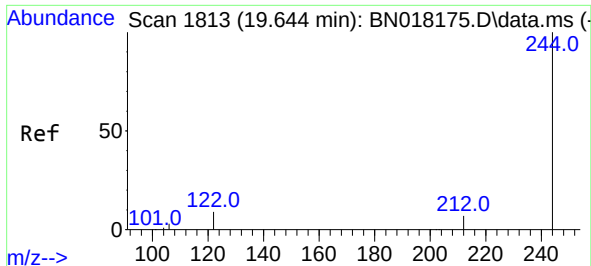


#30
Pyrene
Concen: 12.154 ng
RT: 19.430 min Scan# 1770
Delta R.T. 0.005 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12



Tgt Ion:202 Resp: 6610732
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 24.1 14.1 21.1#





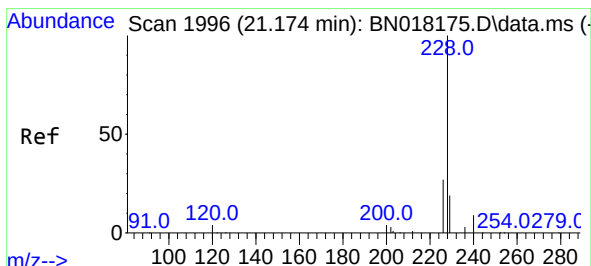
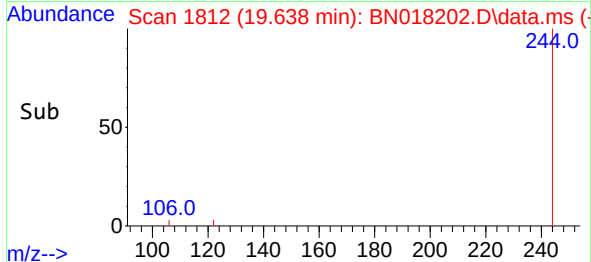
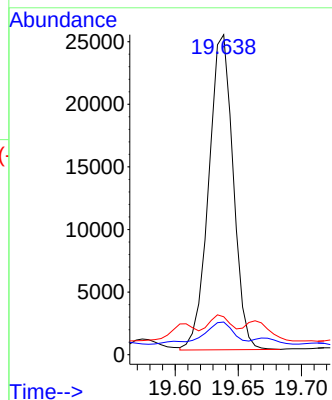
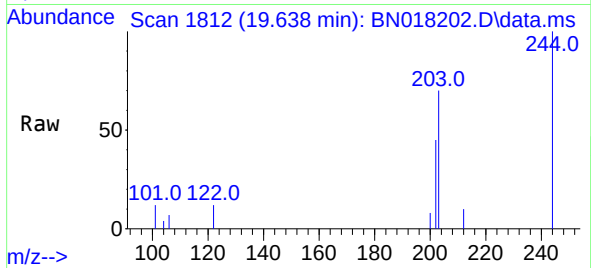
#31
Terphenyl-d14
Concen: 0.091 ng
RT: 19.638 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

Instrument :
BNA_N
ClientSampleId :
SB-COMP

Tgt Ion:244 Resp: 3389
Ion Ratio Lower Upper
244 100
212 10.2 6.2 9.2
122 11.9 7.9 11.9

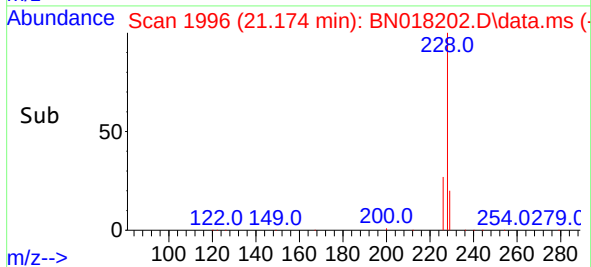
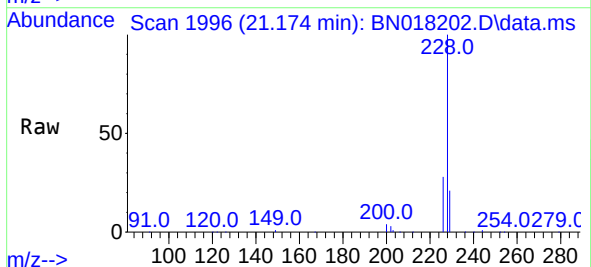
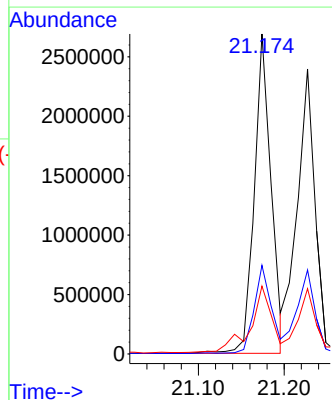
Manual Integrations
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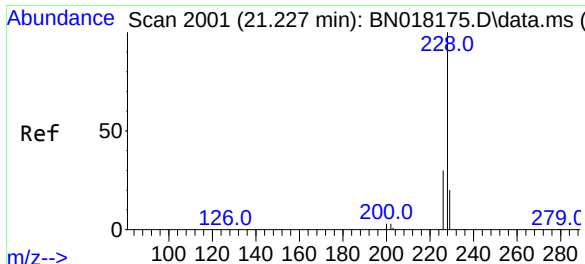
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#32
Benzo(a)anthracene
Concen: 7.422 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

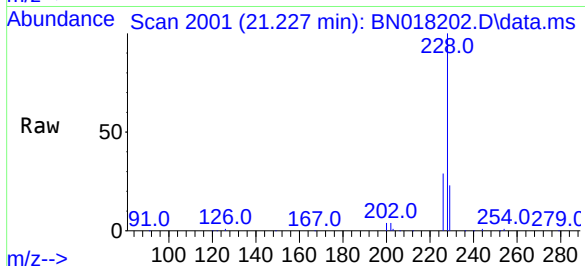
Tgt Ion:228 Resp: 3654137
Ion Ratio Lower Upper
228 100
226 27.7 21.3 31.9
229 21.2 15.9 23.9





#33
Chrysene
Concen: 6.423 ng
RT: 21.227 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

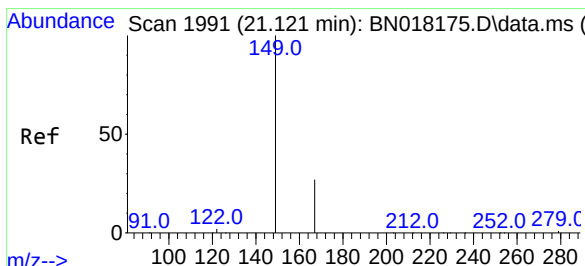
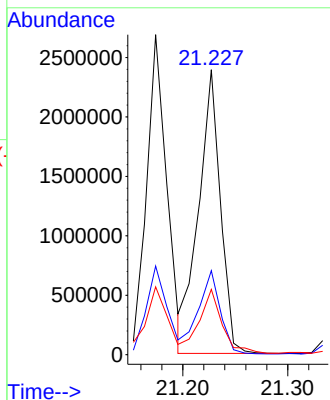
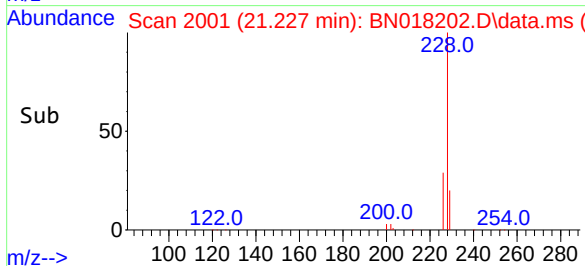
Instrument :
BNA_N
ClientSampleId :
SB-COMP



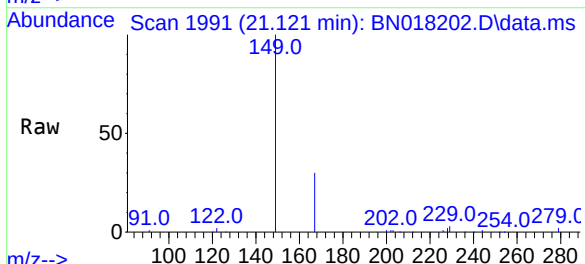
Tgt Ion:228 Resp: 345004
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.4
229 22.9 15.5 23.3

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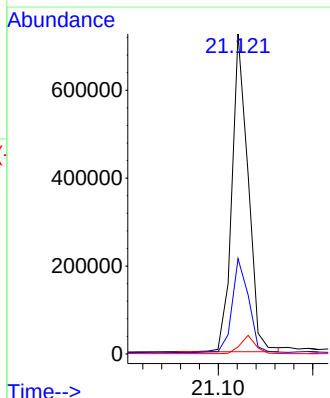
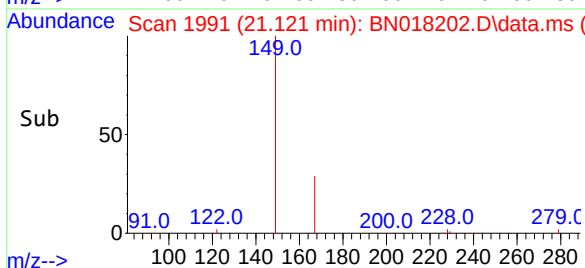
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

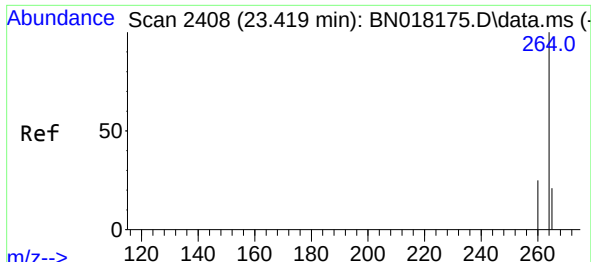


#34
Bis(2-ethylhexyl)phthalate
Concen: 3.396 ng
RT: 21.121 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12



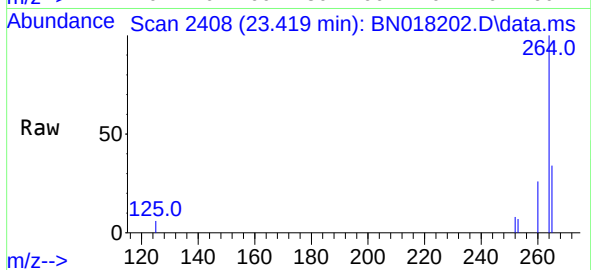
Tgt Ion:149 Resp: 861567
Ion Ratio Lower Upper
149 100
167 30.3 23.7 35.5
279 5.4 3.6 5.4#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.419 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

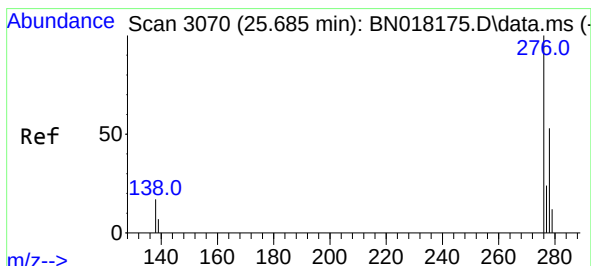
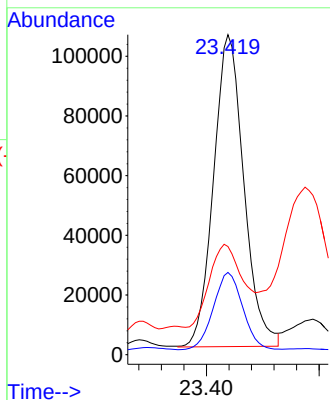
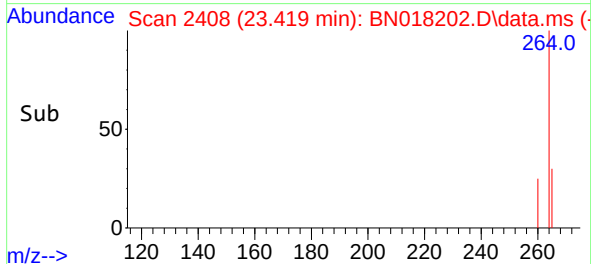
Instrument :
BNA_N
ClientSampleId :
SB-COMP



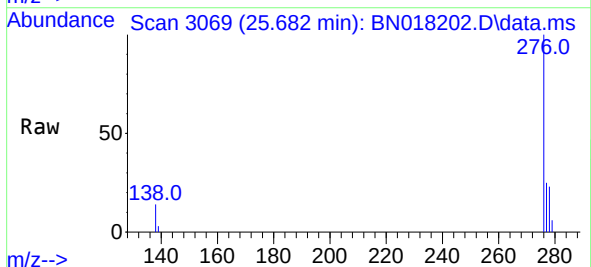
Tgt Ion:264 Resp: 195069
Ion Ratio Lower Upper
264 100
260 25.7 20.2 30.4
265 33.8 18.2 27.2

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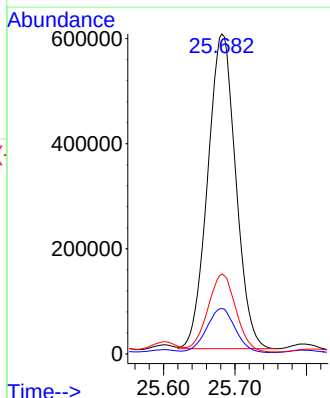
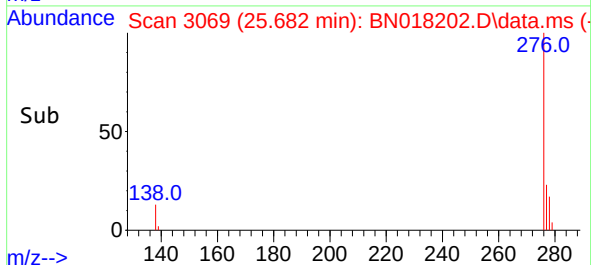
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

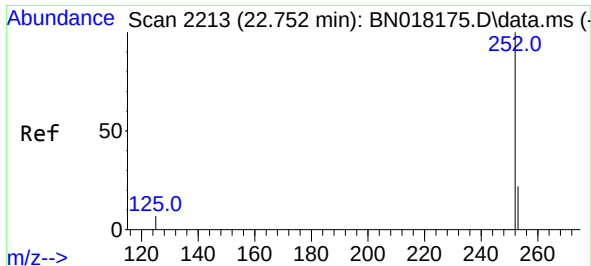


#36
Indeno(1,2,3-cd)pyrene
Concen: 2.900 ng
RT: 25.682 min Scan# 3069
Delta R.T. -0.003 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12



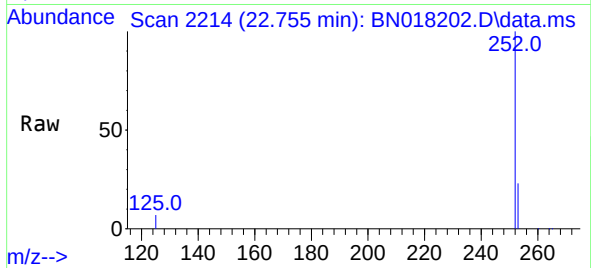
Tgt Ion:276 Resp: 1637344
Ion Ratio Lower Upper
276 100
138 14.3 14.9 22.3#
277 24.9 19.9 29.9





#37
Benzo(b)fluoranthene
Concen: 6.537 ng
RT: 22.755 min Scan# 211
Delta R.T. 0.003 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

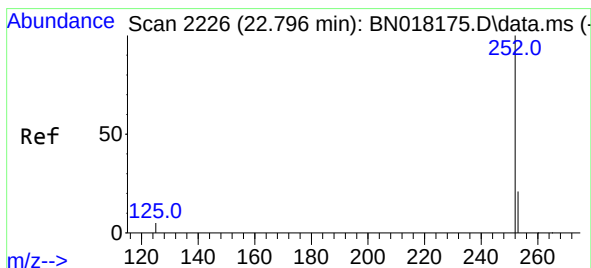
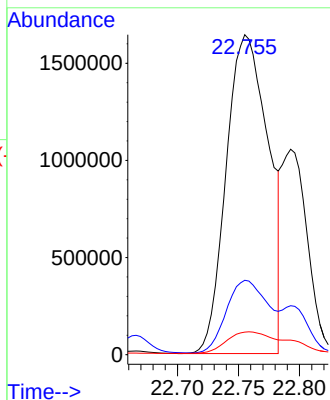
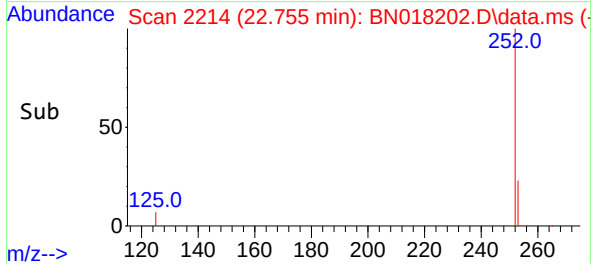
Instrument :
BNA_N
ClientSampleId :
SB-COMP



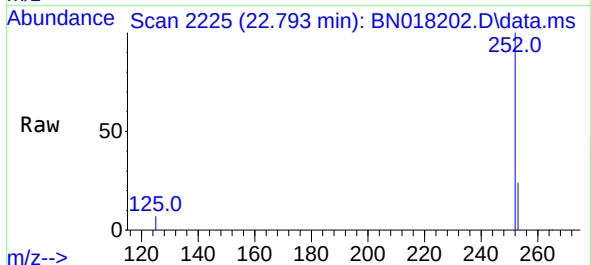
Tgt Ion:252 Resp: 3943972
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 7.1 6.0 9.0

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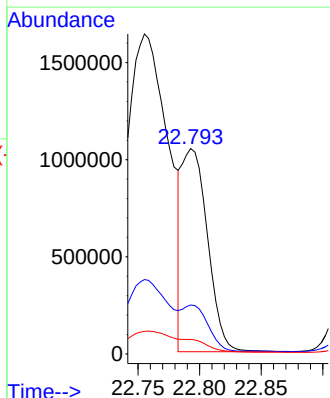
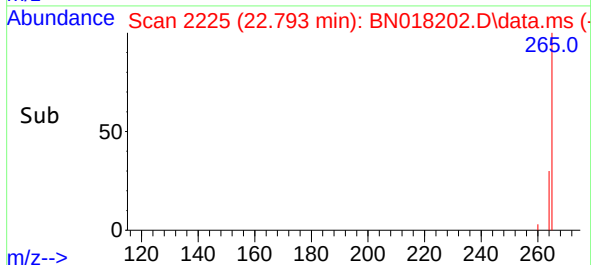
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

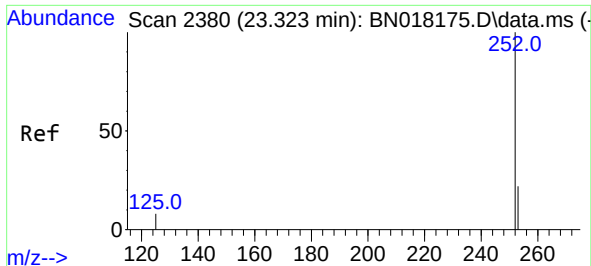


#38
Benzo(k)fluoranthene
Concen: 2.490 ng m
RT: 22.793 min Scan# 2225
Delta R.T. -0.003 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12



Tgt Ion:252 Resp: 1513431
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 7.1 6.2 9.2





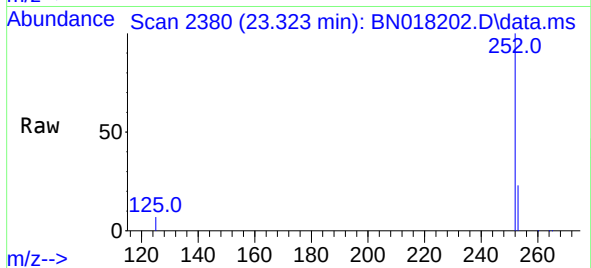
#39
Benzo(a)pyrene
Concen: 5.753 ng
RT: 23.323 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

Instrument :

BN018202.D

ClientSampleId :

SB-COMP

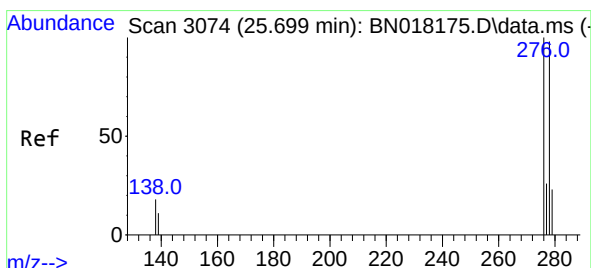
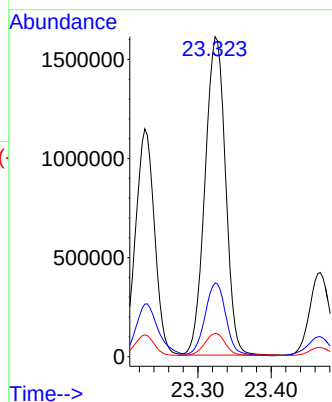


Tgt Ion:252 Resp: 311993
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 7.3 7.0 10.4

Manual Integrations

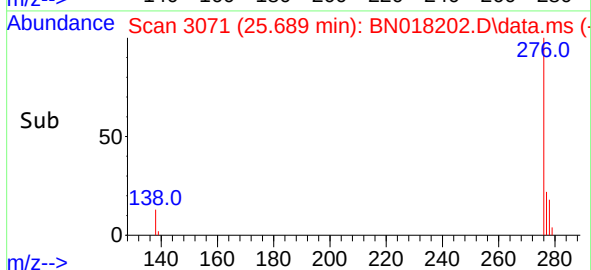
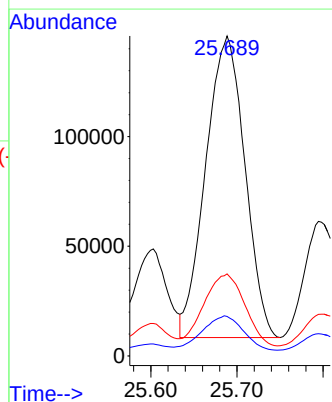
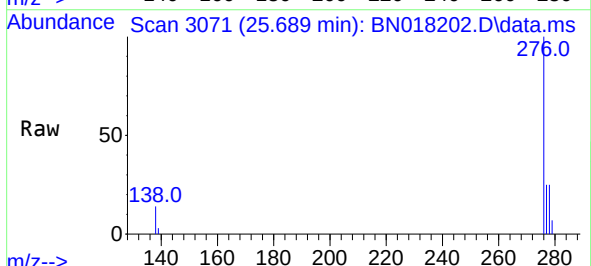
APPROVED

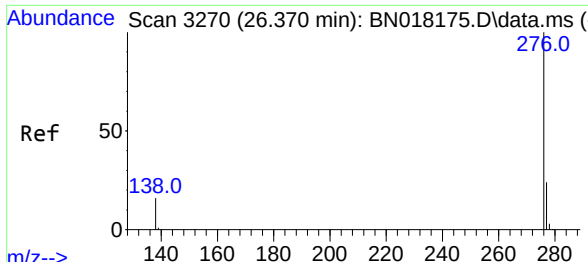
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#40
Dibenzo(a,h)anthracene
Concen: 0.928 ng
RT: 25.689 min Scan# 3071
Delta R.T. -0.011 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

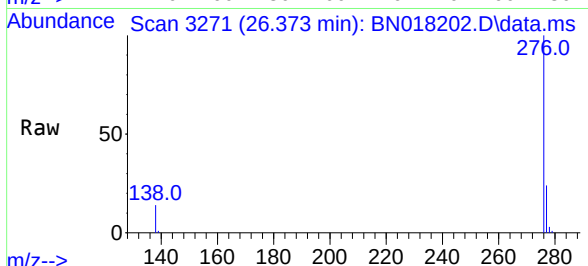
Tgt Ion:278 Resp: 433543
Ion Ratio Lower Upper
278 100
139 12.4 10.8 16.2
279 25.7 19.0 28.4





#41
Benzo(g,h,i)perylene
Concen: 2.947 ng
RT: 26.373 min Scan# 31
Delta R.T. 0.003 min
Lab File: BN018202.D
Acq: 24 Dec 2021 05:12

Instrument :
BNA_N
ClientSampleId :
SB-COMP



Tgt Ion:276 Resp: 1532835
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.6
138 14.4 12.6 19.0

Manual Integrations
APPROVED

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

