

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017649.D
 Acq On : 01 Dec 2021 13:58
 Operator : CG/JU
 Sample : M4862-16DL 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-9DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

12/01/2021
 Supervised By :mohammad
 ahmed

Quant Time: Dec 01 14:28:16 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 30 18:26:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	21366	0.400	ng	0.00
7) Naphthalene-d8	10.547	136	88685	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	56957	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	129650	0.400	ng	#-0.01
29) Chrysene-d12	21.303	240	131341	0.400	ng	#-0.01
35) Perylene-d12	23.609	264	82563	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.376	112	152	0.003	ng	0.00
5) Phenol-d6	6.943	99	414	0.008	ng	0.00
8) Nitrobenzene-d5	8.913	82	2046	0.054	ng	0.00
11) 2-Methylnaphthalene-d10	12.142	152	6650	0.043	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	46	0.126	ng	0.00
15) 2-Fluorobiphenyl	13.014	172	8799	0.040	ng	0.00
27) Fluoranthene-d10	19.154	212	19194	0.047	ng	0.00
31) Terphenyl-d14	19.754	244	13946	0.048	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.598	128	11110	0.050	ng	97
16) Acenaphthylene	14.105	152	36264	0.163	ng	99
18) Fluorene	15.437	166	15672	0.084	ng	# 97
25) Phenanthrene	17.165	178	536247	1.508	ng	100
26) Anthracene	17.250	178	118037	0.386	ng	# 94
28) Fluoranthene	19.183	202	984191	2.446	ng	98
30) Pyrene	19.546	202	776891	1.832	ng	97
32) Benzo(a)anthracene	21.293	228	407015	1.020	ng	94
33) Chrysene	21.346	228	337078	0.777	ng	97
34) Bis(2-ethylhexyl)phtha...	21.229	149	10667	0.113	ng	96
36) Indeno(1,2,3-cd)pyrene	25.974	276	72475	0.270	ng	# 91
37) Benzo(b)fluoranthene	22.914	252	340454	1.243	ng	99
38) Benzo(k)fluoranthene	22.955	252	123455m	0.440	ng	
39) Benzo(a)pyrene	23.506	252	184729	0.754	ng	97
40) Dibenzo(a,h)anthracene	25.985	278	16124	0.074	ng	# 84
41) Benzo(g,h,i)perylene	26.703	276	58680	0.260	ng	96

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

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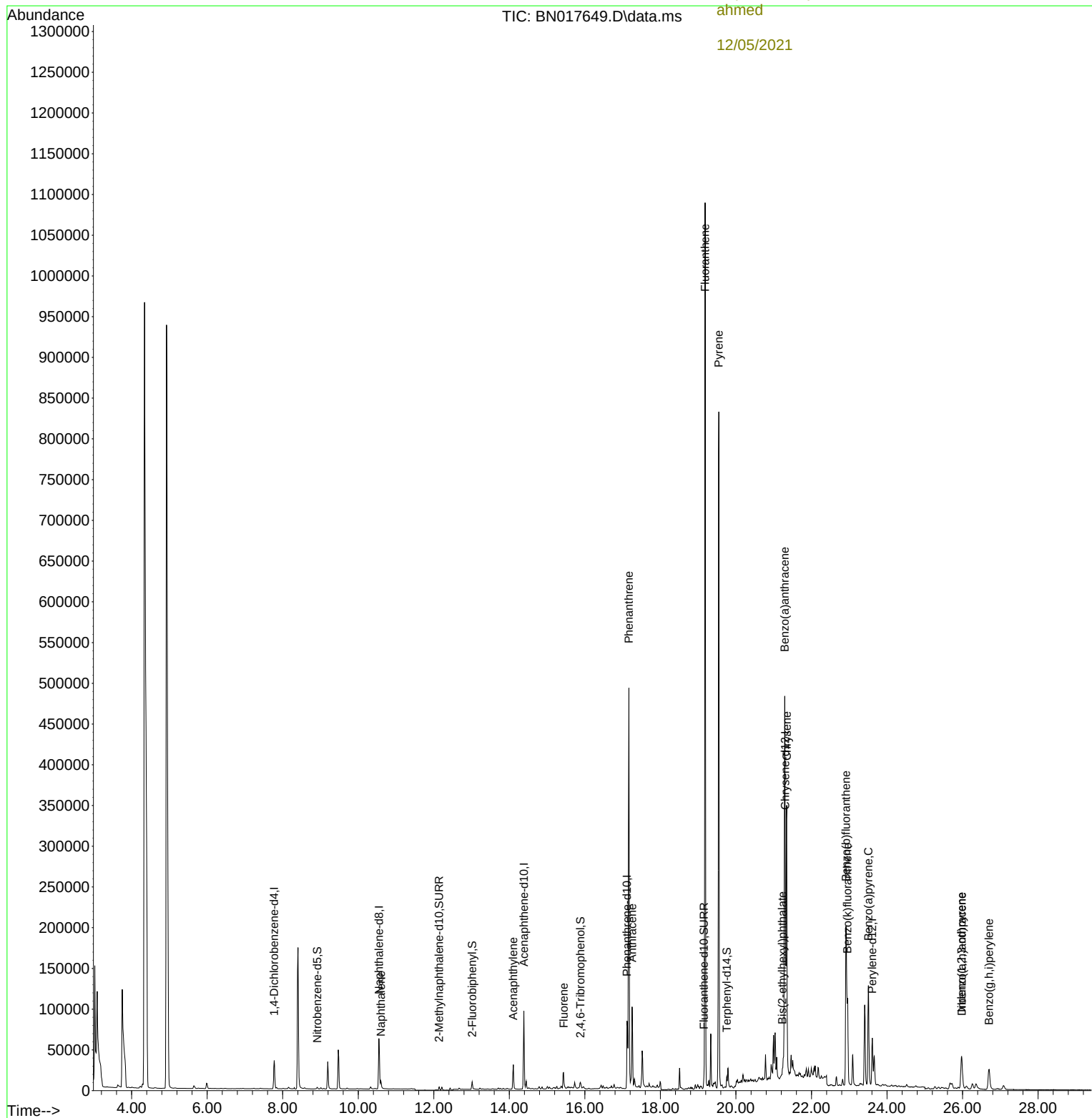
Quant Time: Dec 01 14:28:16 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 30 18:26:44 2021
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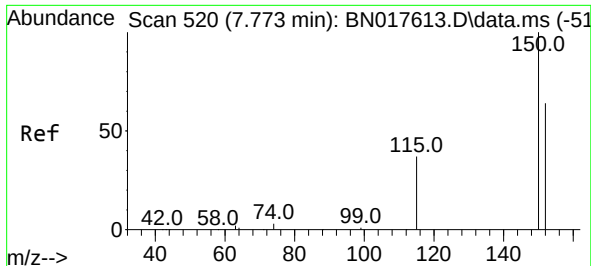
Manual Integrations
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Upadhyay

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Supervised By :mohammad
ahmed

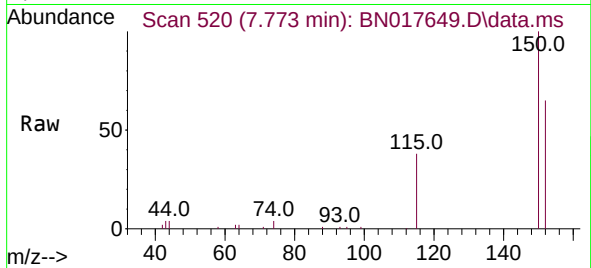
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#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017649.D
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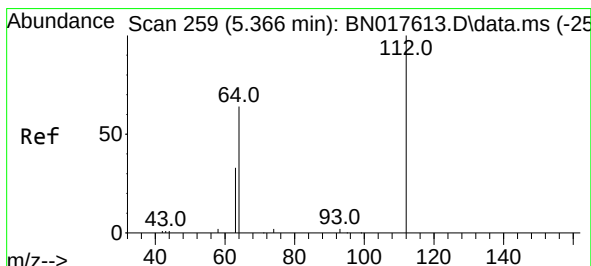
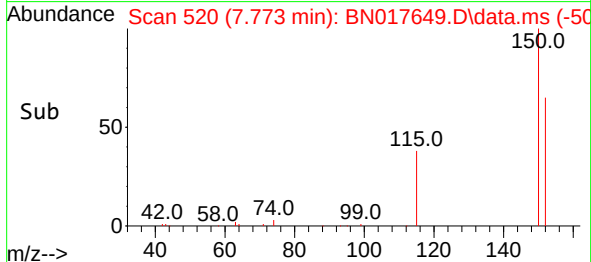
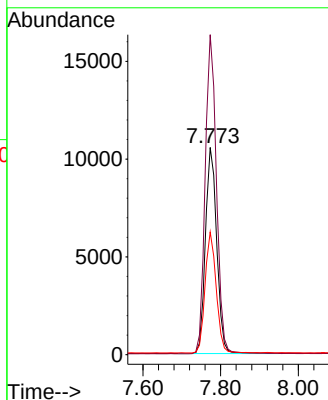
Tgt Ion:152 Resp: 21360
Ion Ratio Lower Upper
152 100
150 154.4 123.0 184.4
115 59.2 45.6 68.4

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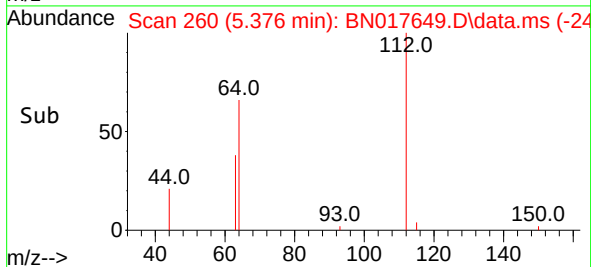
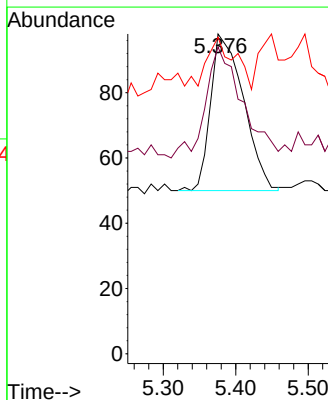
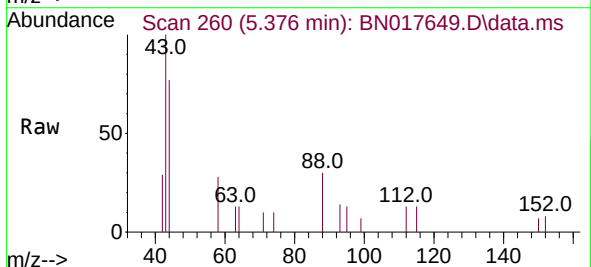
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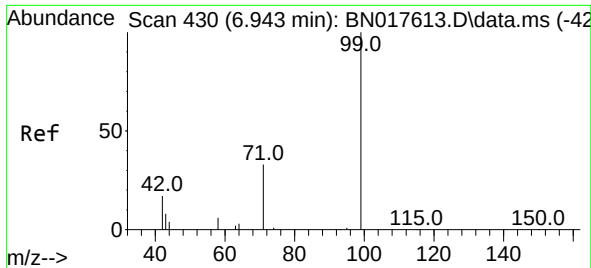
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#4
2-Fluorophenol
Concen: 0.003 ng
RT: 5.376 min Scan# 260
Delta R.T. 0.010 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

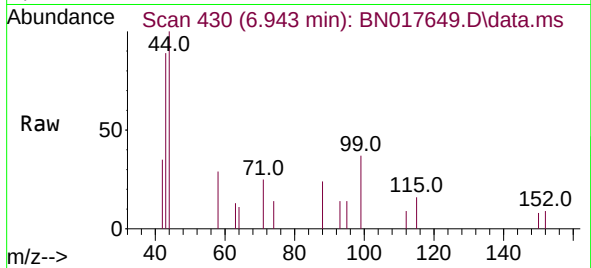
Tgt Ion:112 Resp: 152
Ion Ratio Lower Upper
112 100
64 78.9 47.6 71.4#
63 28.3 24.6 37.0





#5
Phenol-d6
Concen: 0.008 ng
RT: 6.943 min Scan# 430
Delta R.T. 0.000 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

Instrument :
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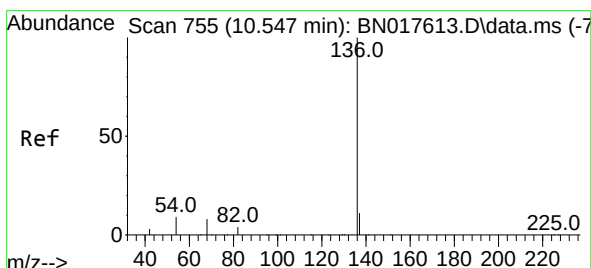
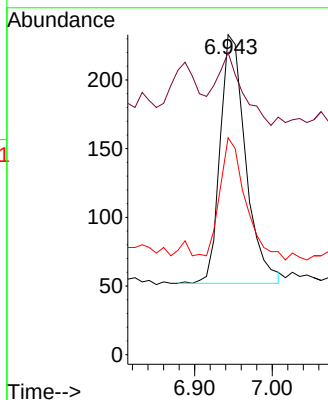
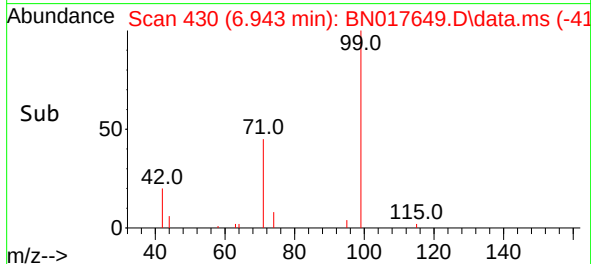
Tgt Ion: 99 Resp: 414
Ion Ratio Lower Upper
99 100
42 29.2 17.0 25.6
71 44.9 24.8 37.2

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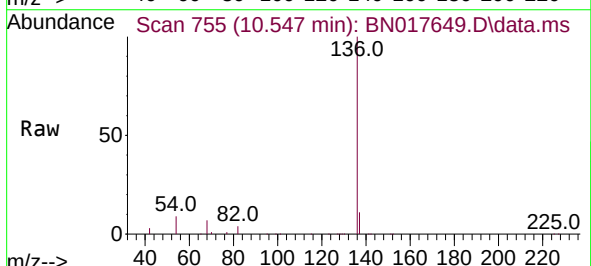
Reviewed By :Jagrut
Upadhyay

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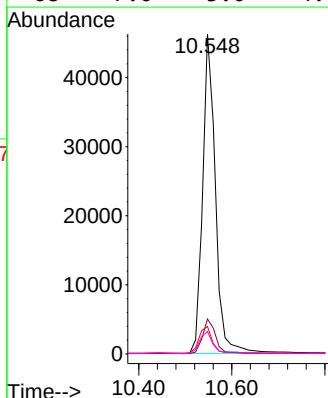
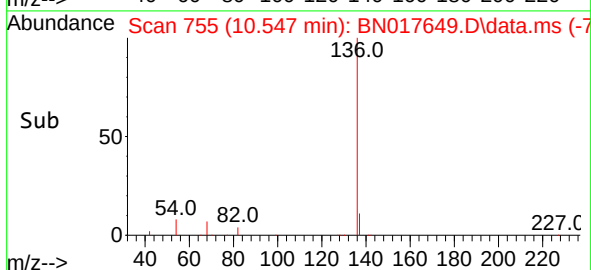
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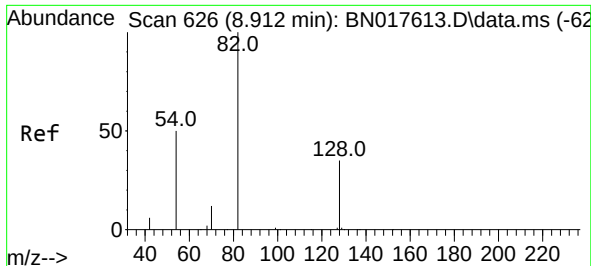


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.547 min Scan# 755
Delta R.T. 0.000 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58



Tgt Ion:136 Resp: 88685
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.6 4.0 6.0#
68 7.0 3.0 4.6#





#8
Nitrobenzene-d5
Concen: 0.054 ng
RT: 8.913 min Scan# 612
Delta R.T. 0.001 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

Instrument :
BNA_N
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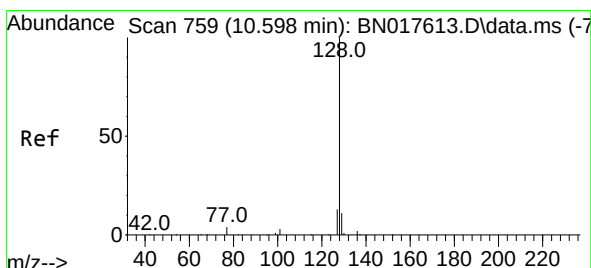
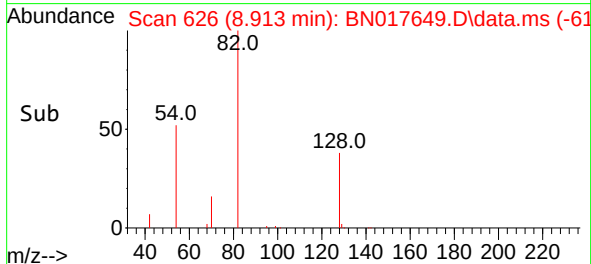
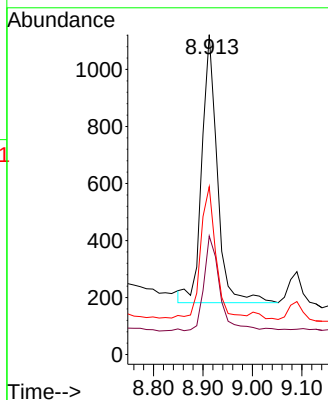
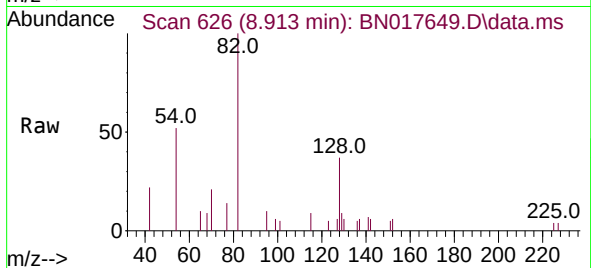
Tgt Ion: 82 Resp: 2040
Ion Ratio Lower Upper
82 100
128 37.1 27.7 41.5
54 52.5 49.2 73.8

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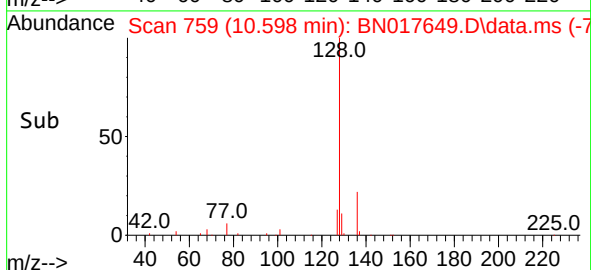
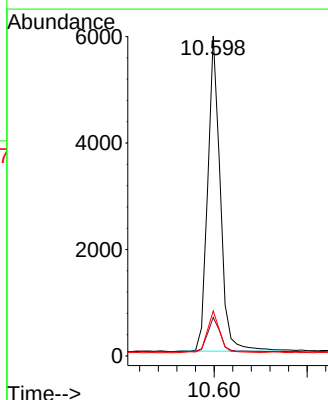
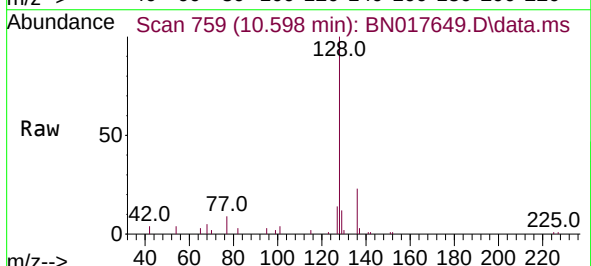
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Supervised By :mohammad
ahmed

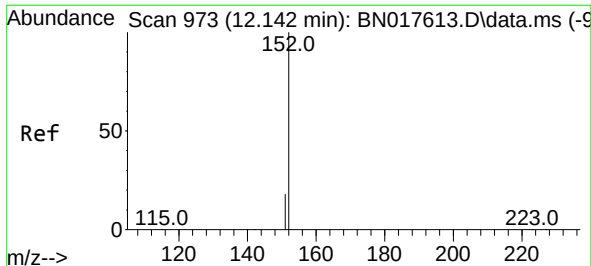
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#9
Naphthalene
Concen: 0.050 ng
RT: 10.598 min Scan# 759
Delta R.T. 0.000 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

Tgt Ion:128 Resp: 11110
Ion Ratio Lower Upper
128 100
129 12.1 8.8 13.2
127 14.1 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.043 ng

RT: 12.142 min Scan# 973

Delta R.T. 0.000 min

Lab File: BN017649.D

Acq: 01 Dec 2021 13:58

Instrument :

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ClientSampleId :

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Tgt Ion:152 Resp: 6650

Ion Ratio Lower Upper

152 100

151 20.8 16.2 24.4

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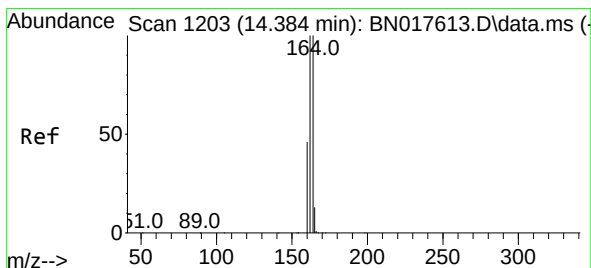
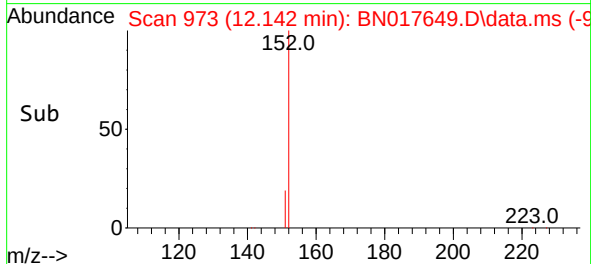
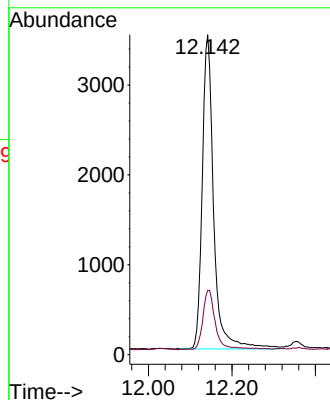
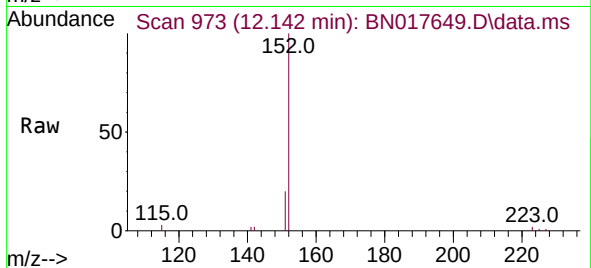
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#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.384 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BN017649.D

Acq: 01 Dec 2021 13:58

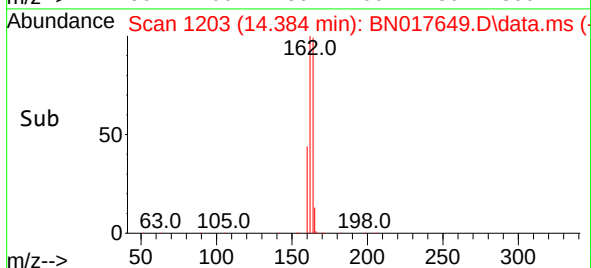
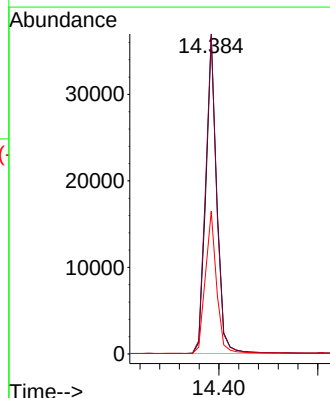
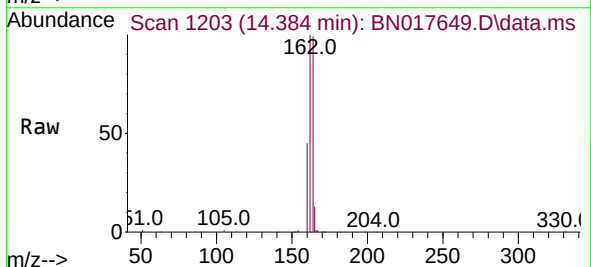
Tgt Ion:164 Resp: 56957

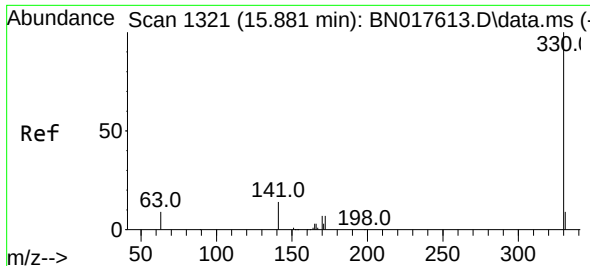
Ion Ratio Lower Upper

164 100

162 100.8 81.4 122.2

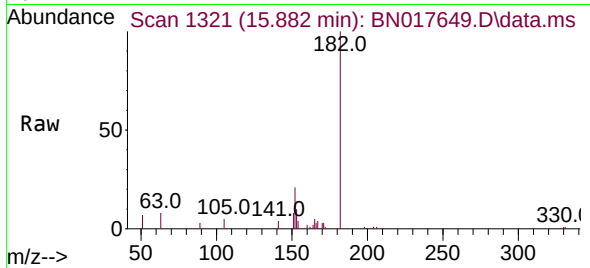
160 44.9 36.8 55.2





#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.882 min Scan# 1321
Delta R.T. 0.001 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

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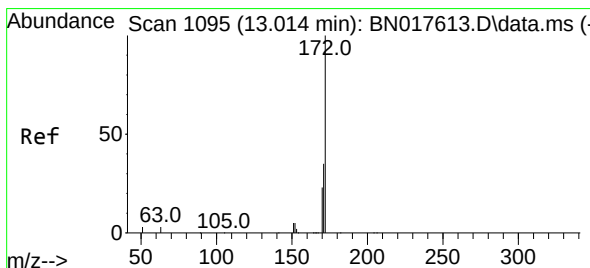
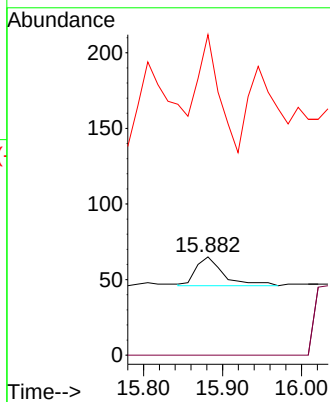
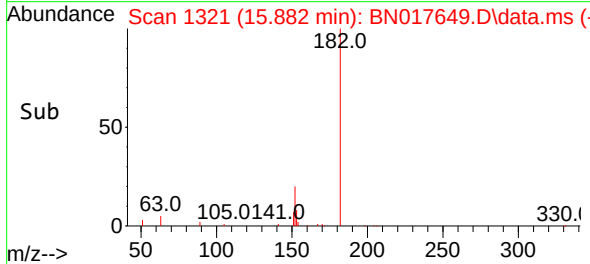
Tgt Ion: 330 Resp: 4000
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 308.7 28.9 43.3

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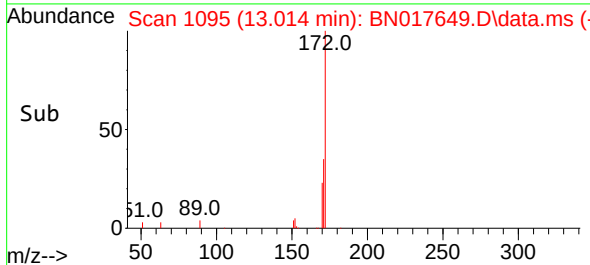
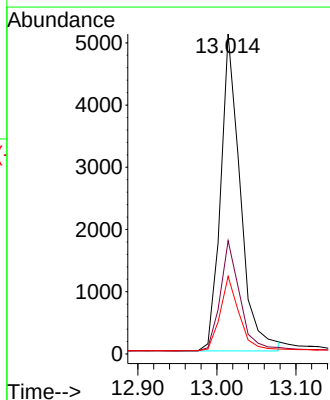
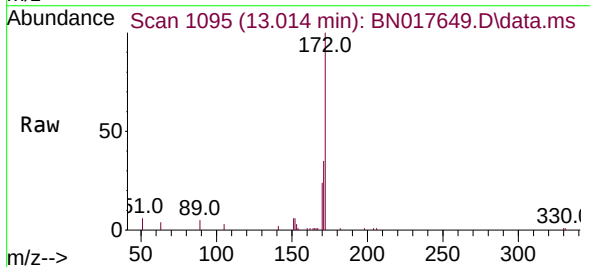
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ahmed

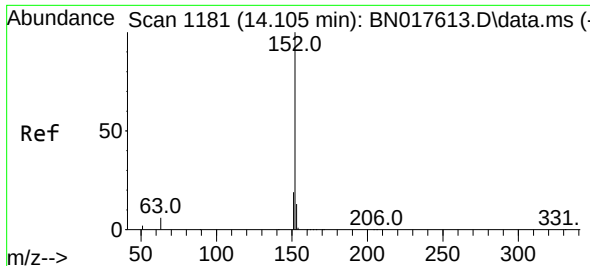
12/05/2021



#15
2-Fluorobiphenyl
Concen: 0.040 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

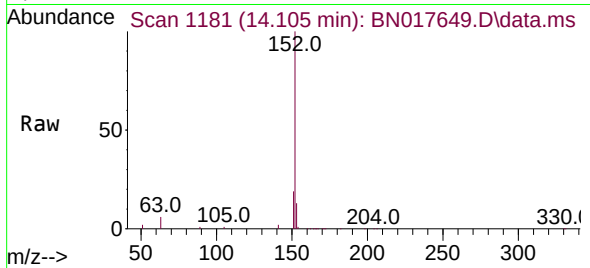
Tgt Ion: 172 Resp: 8799
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 24.2 19.4 29.2





#16
Acenaphthylene
Concen: 0.163 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

Instrument :
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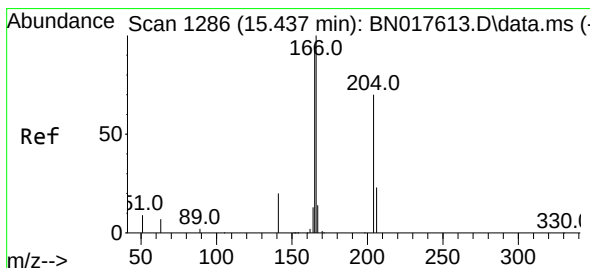
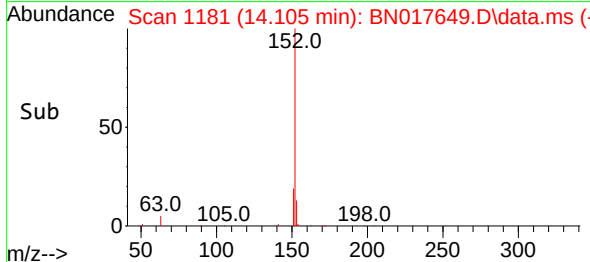
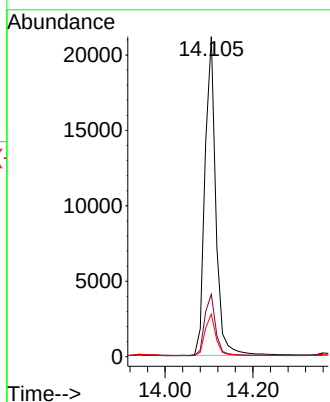
Tgt Ion:152 Resp: 36264
Ion Ratio Lower Upper
152 100
151 19.8 15.5 23.3
153 13.3 10.4 15.6

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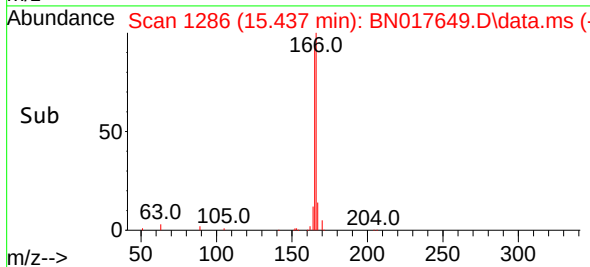
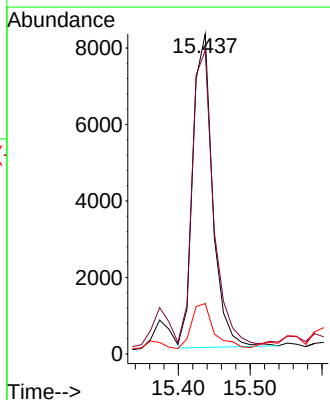
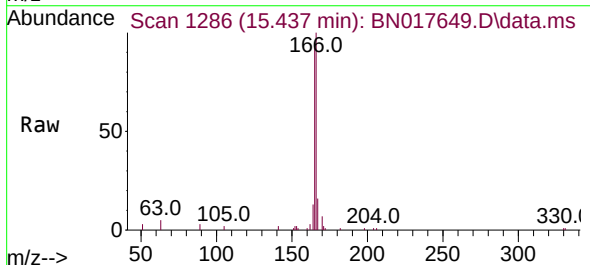
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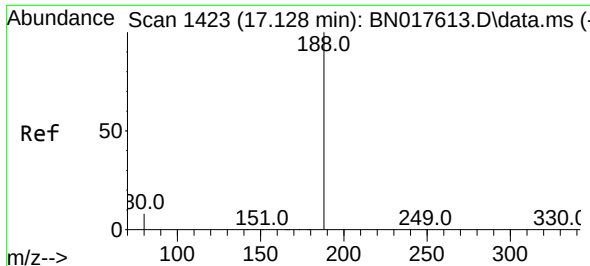
12/05/2021



#18
Fluorene
Concen: 0.084 ng
RT: 15.437 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

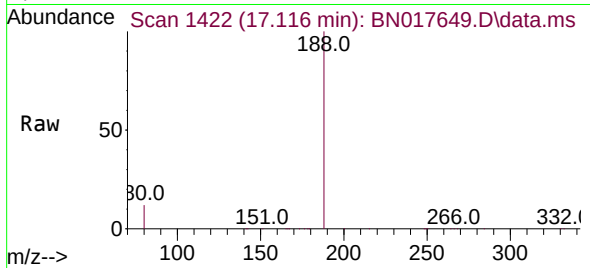
Tgt Ion:166 Resp: 15672
Ion Ratio Lower Upper
166 100
165 100.0 77.9 116.9
167 16.6 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

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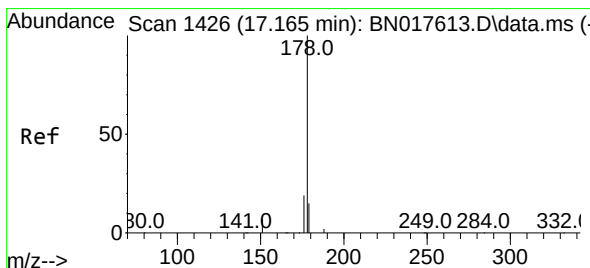
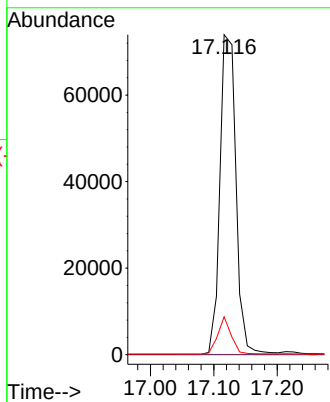
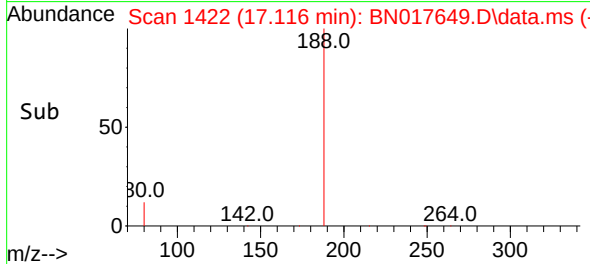
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Ion Ratio Lower Upper
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94 0.0 0.0 0.0
80 11.8 6.1 9.1

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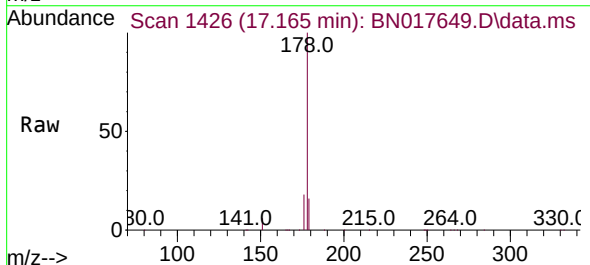
Reviewed By :Jagrut
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ahmed

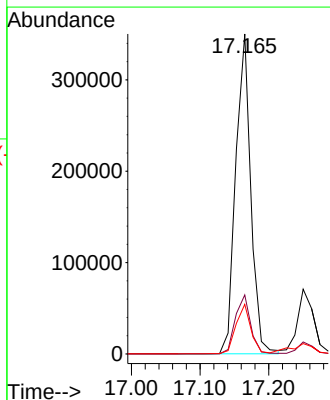
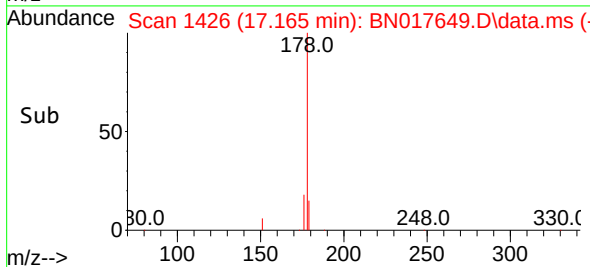
12/05/2021

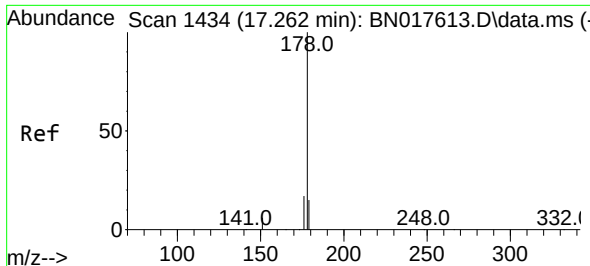


#25
Phenanthrene
Concen: 1.508 ng
RT: 17.165 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58



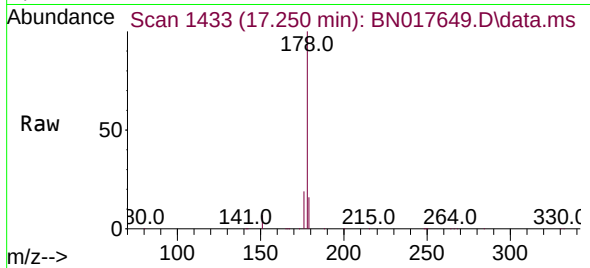
Tgt Ion:178 Resp: 536247
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.4 12.3 18.5





#26
 Anthracene
 Concen: 0.386 ng
 RT: 17.250 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017649.D
 Acq: 01 Dec 2021 13:58

Instrument :
 BNA_N
 ClientSampleId :
 CS-9DL



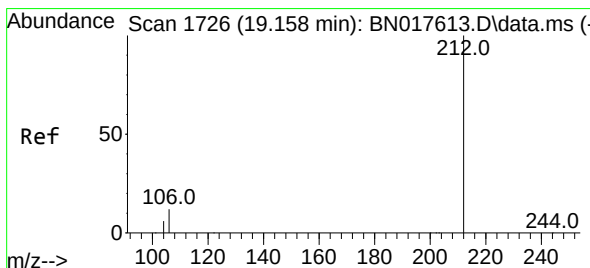
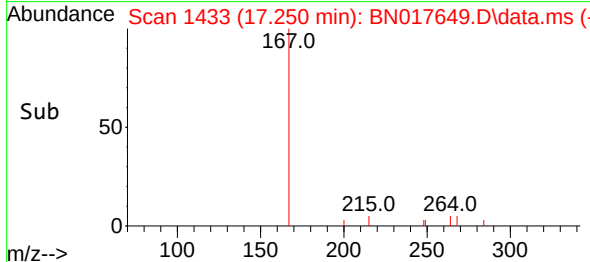
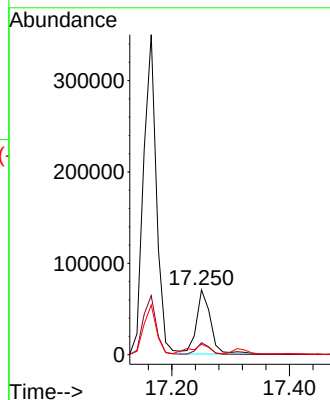
Tgt Ion:178 Resp: 118037
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.6 22.0
 179 19.7 12.2 18.4

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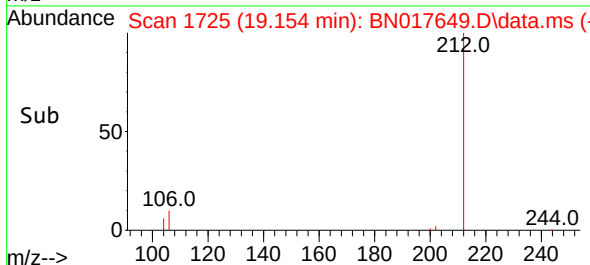
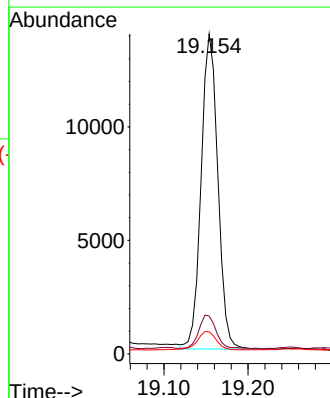
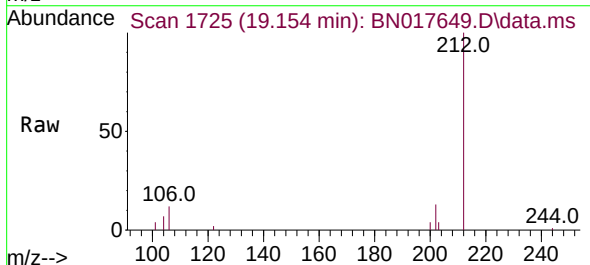
12/01/2021
 Supervised By :mohammad
 ahmed

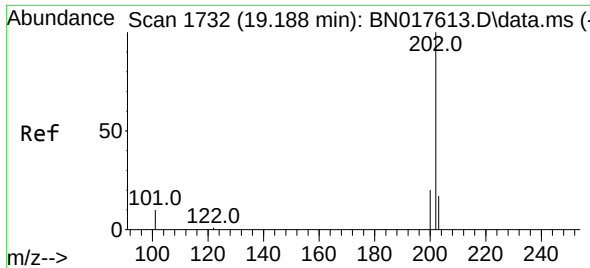
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#27
 Fluoranthene-d10
 Concen: 0.047 ng
 RT: 19.154 min Scan# 1725
 Delta R.T. -0.004 min
 Lab File: BN017649.D
 Acq: 01 Dec 2021 13:58

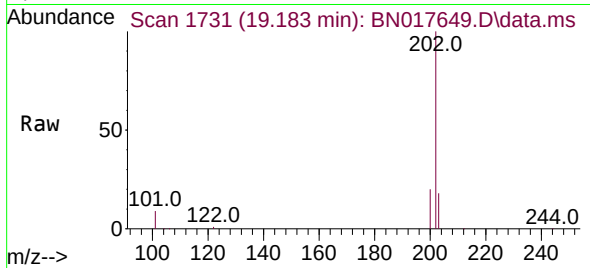
Tgt Ion:212 Resp: 19194
 Ion Ratio Lower Upper
 212 100
 106 11.2 10.5 15.7
 104 6.9 5.8 8.6





#28
Fluoranthene
Concen: 2.446 ng
RT: 19.183 min Scan# 1732
Delta R.T. -0.005 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

Instrument :
BNA_N
ClientSampleId :
CS-9DL



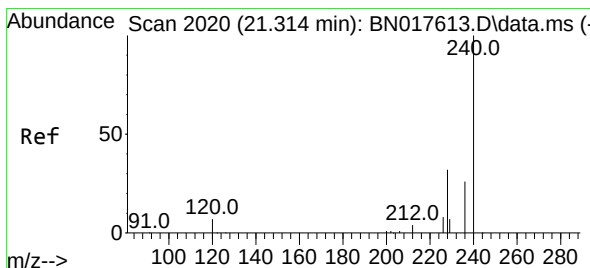
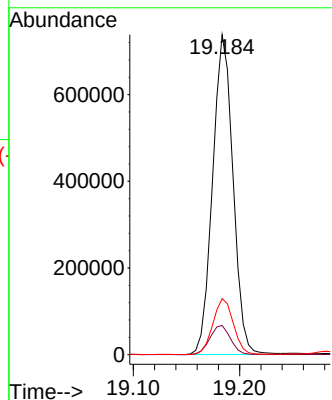
Tgt Ion:202 Resp: 98419
Ion Ratio Lower Upper
202 100
101 9.2 8.9 13.3
203 17.5 13.8 20.6

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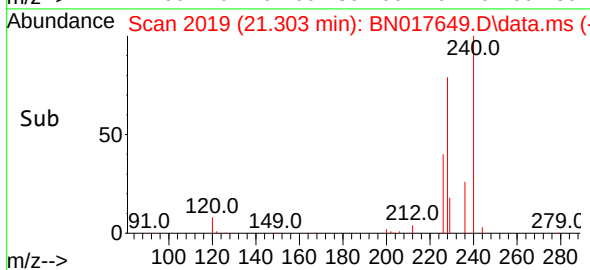
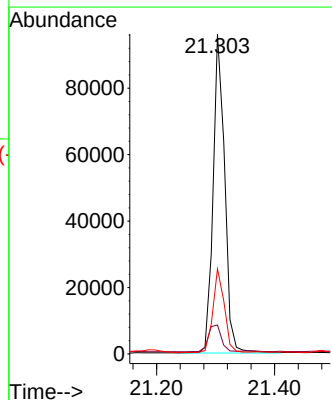
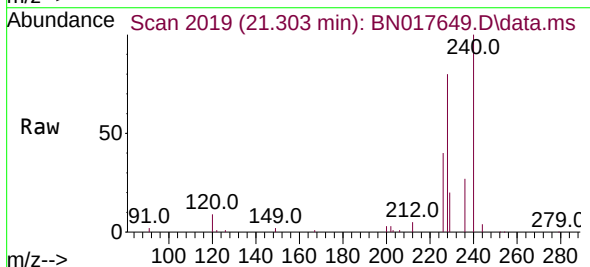
12/01/2021
Supervised By :mohammad
ahmed

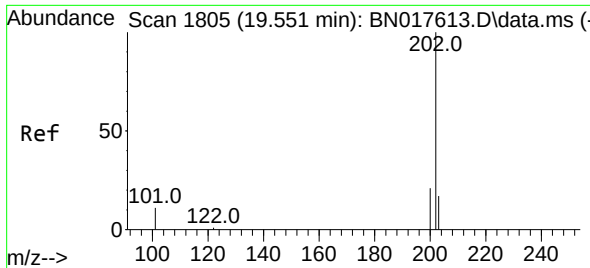
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#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.303 min Scan# 2019
Delta R.T. -0.011 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

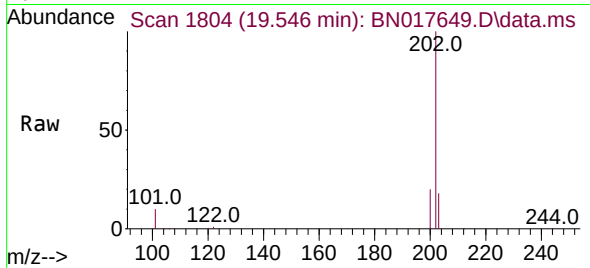
Tgt Ion:240 Resp: 131341
Ion Ratio Lower Upper
240 100
120 9.1 4.2 6.2#
236 26.6 20.0 30.0





#30
Pyrene
Concen: 1.832 ng
RT: 19.546 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

Instrument :
BNA_N
ClientSampleId :
CS-9DL



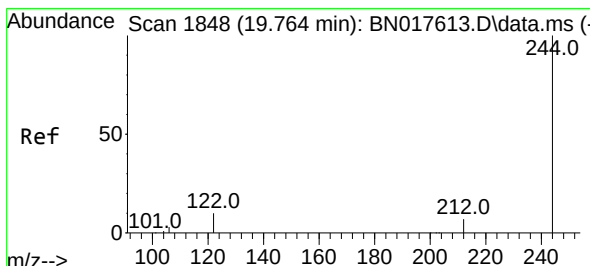
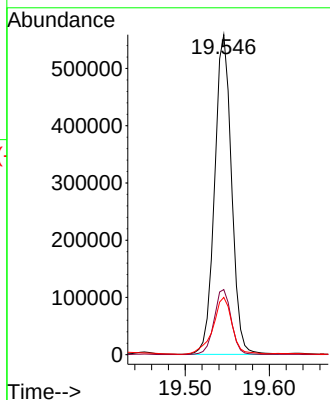
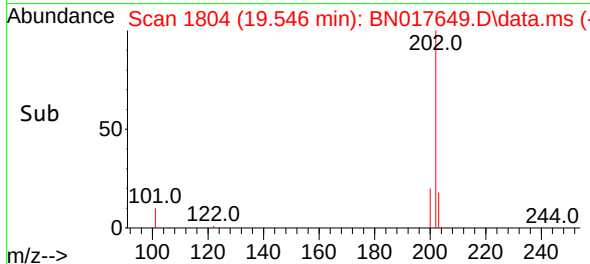
Tgt Ion:202 Resp: 77689
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 20.1 14.0 21.0

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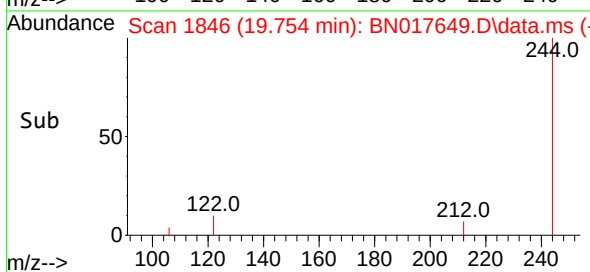
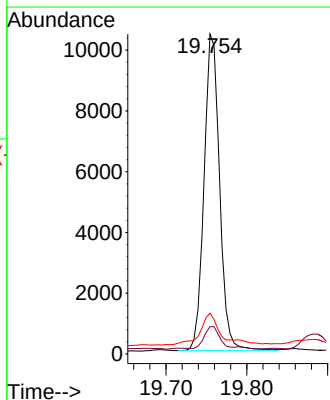
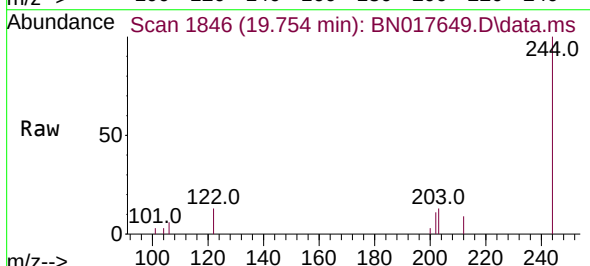
12/01/2021
Supervised By :mohammad
ahmed

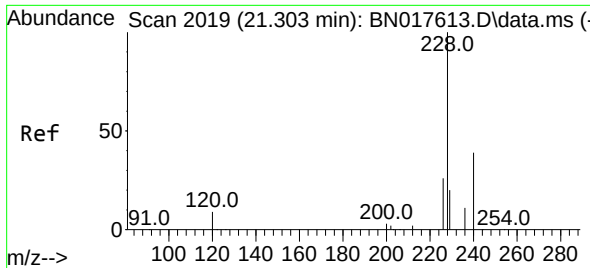
12/05/2021



#31
Terphenyl-d14
Concen: 0.048 ng
RT: 19.754 min Scan# 1846
Delta R.T. -0.010 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

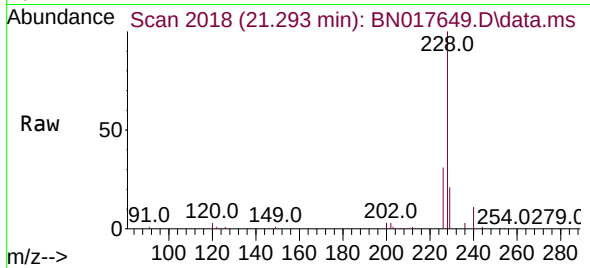
Tgt Ion:244 Resp: 13946
Ion Ratio Lower Upper
244 100
212 8.6 5.7 8.5#
122 12.8 8.6 13.0





#32
Benzo(a)anthracene
Concen: 1.020 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

Instrument :
BNA_N
ClientSampleId :
CS-9DL



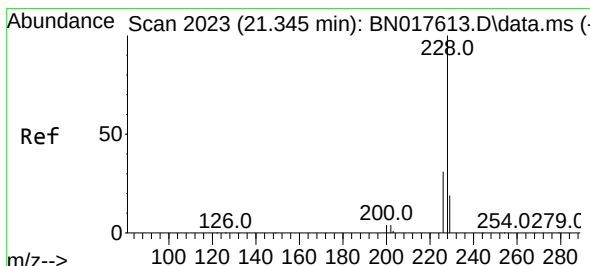
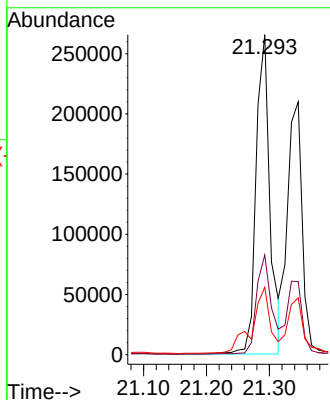
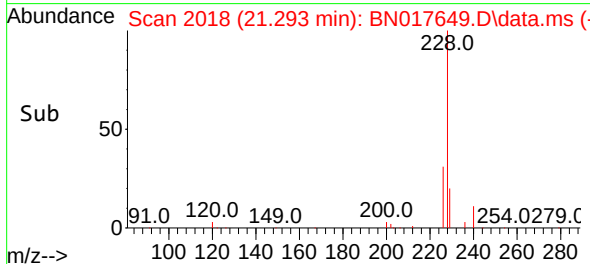
Tgt Ion:228 Resp: 407015
Ion Ratio Lower Upper
228 100
226 31.1 21.3 31.9
229 21.1 15.7 23.5

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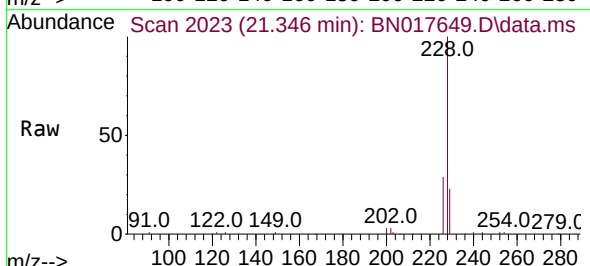
Reviewed By :Jagrut
Upadhyay

12/01/2021
Supervised By :mohammad
ahmed

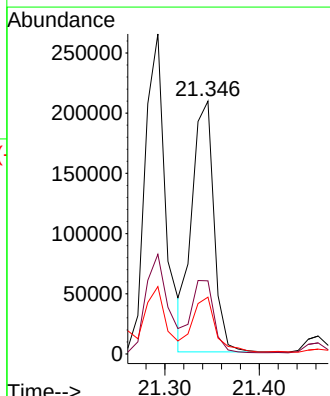
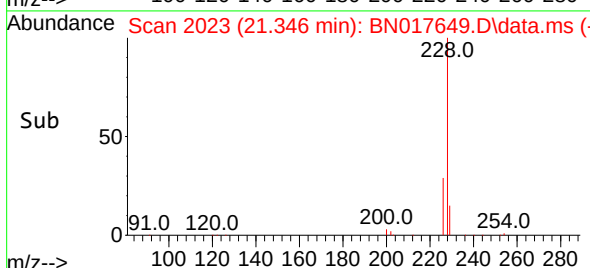
12/05/2021

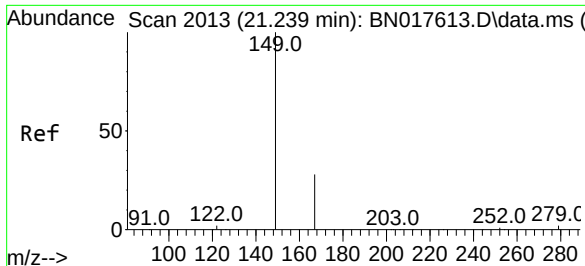


#33
Chrysene
Concen: 0.777 ng
RT: 21.346 min Scan# 2023
Delta R.T. 0.001 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58



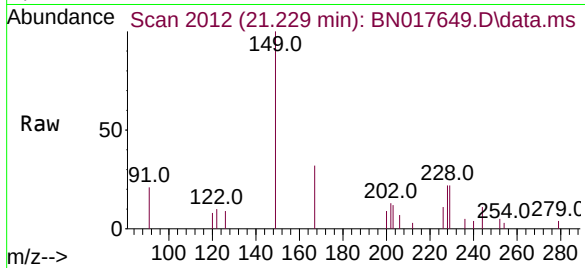
Tgt Ion:228 Resp: 337078
Ion Ratio Lower Upper
228 100
226 28.9 23.3 34.9
229 22.5 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.113 ng
RT: 21.229 min Scan# 2013
Delta R.T. -0.010 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

Instrument :
BNA_N
ClientSampleId :
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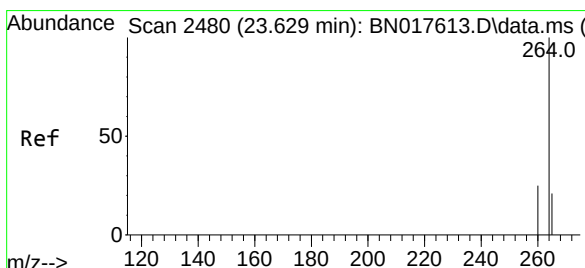
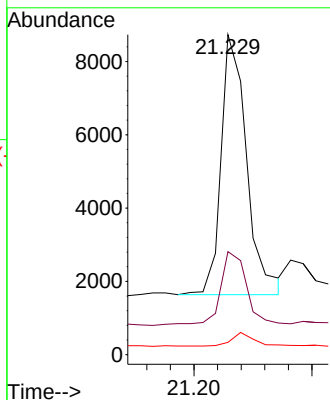
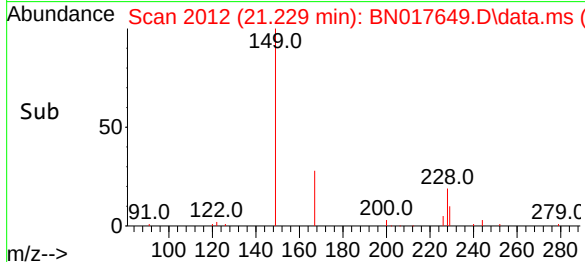
Tgt Ion:149 Resp: 1066
Ion Ratio Lower Upper
149 100
167 29.5 21.8 32.6
279 4.5 3.4 5.0

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Upadhyay

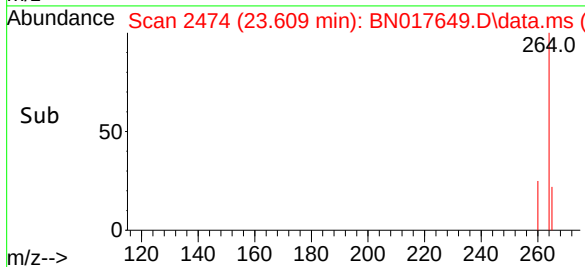
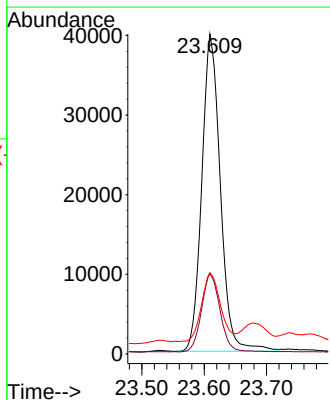
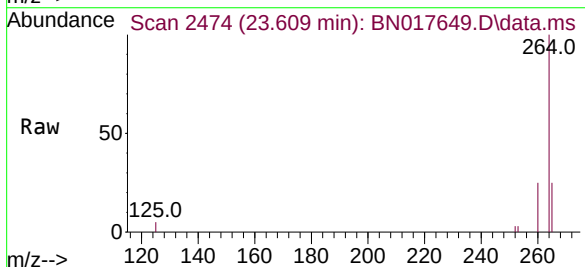
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Supervised By :mohammad
ahmed

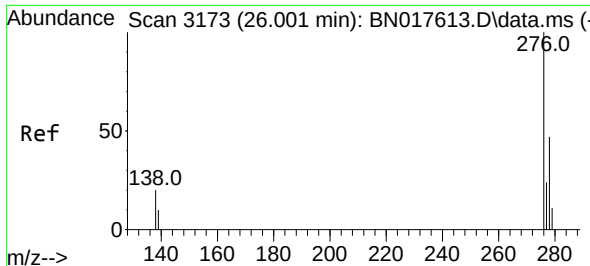
12/05/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.609 min Scan# 2474
Delta R.T. -0.020 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

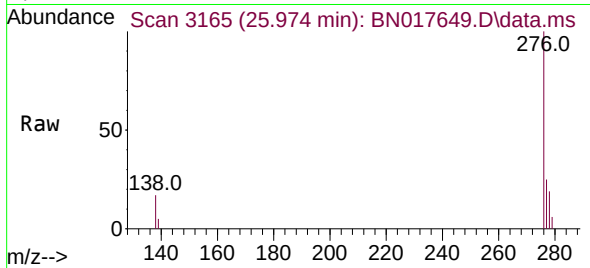
Tgt Ion:264 Resp: 82563
Ion Ratio Lower Upper
264 100
260 25.1 19.4 29.2
265 25.4 18.6 28.0





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.270 ng
RT: 25.974 min Scan# 3173
Delta R.T. -0.027 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

Instrument :
BNA_N
ClientSampleId :
CS-9DL



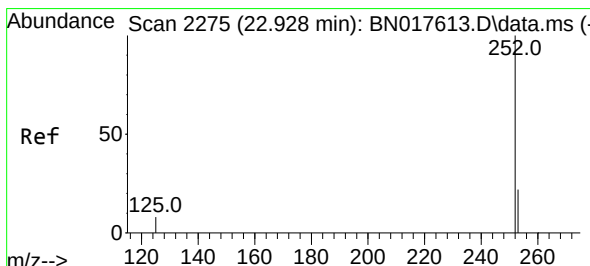
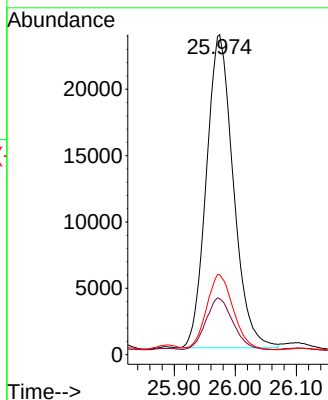
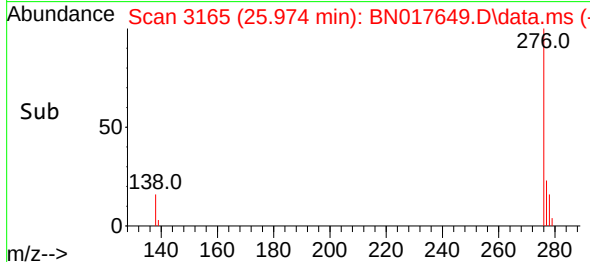
Tgt Ion:276 Resp: 72475
Ion Ratio Lower Upper
276 100
138 16.4 19.7 29.5
277 23.9 20.0 30.0

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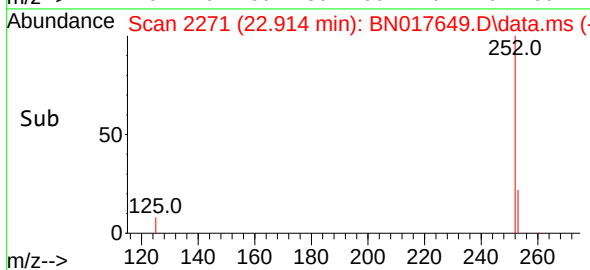
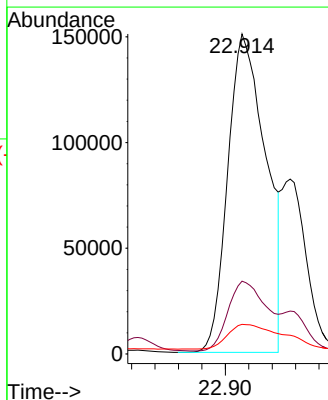
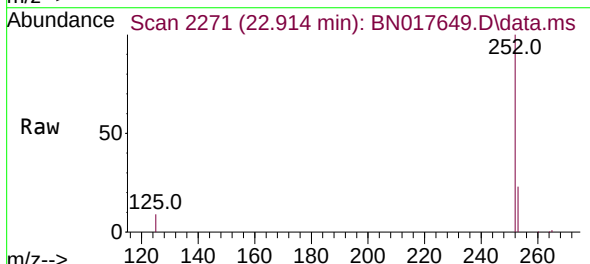
12/01/2021
Supervised By :mohammad
ahmed

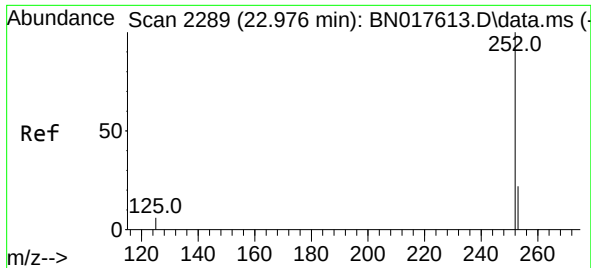
12/05/2021



#37
Benzo(b)fluoranthene
Concen: 1.243 ng
RT: 22.914 min Scan# 2271
Delta R.T. -0.013 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

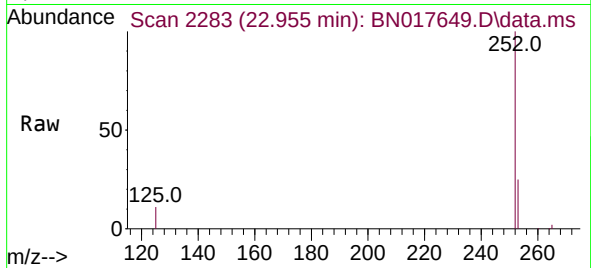
Tgt Ion:252 Resp: 340454
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 9.3 7.8 11.8





#38
Benzo(k)fluoranthene
Concen: 0.440 ng m
RT: 22.955 min Scan# 21
Delta R.T. -0.020 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

Instrument :
BNA_N
ClientSampleId :
CS-9DL



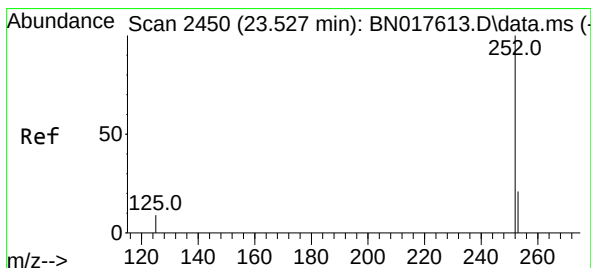
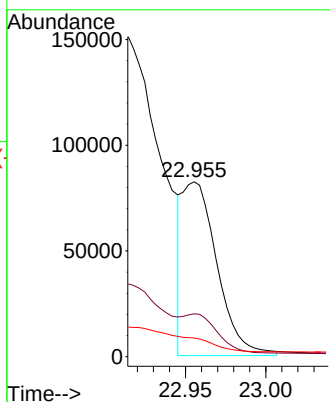
Tgt Ion:252 Resp: 12345
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 10.7 8.2 12.2

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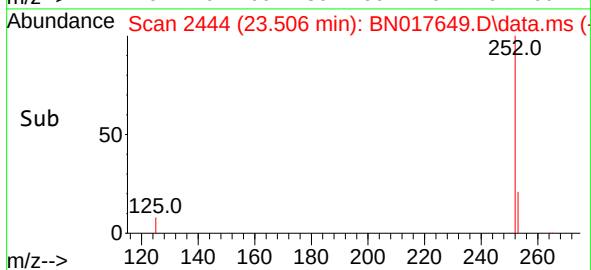
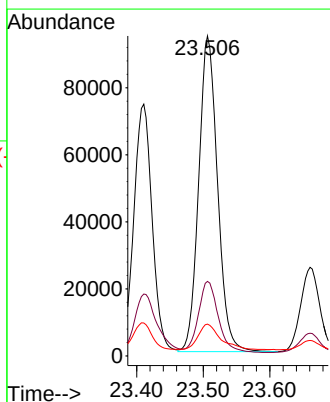
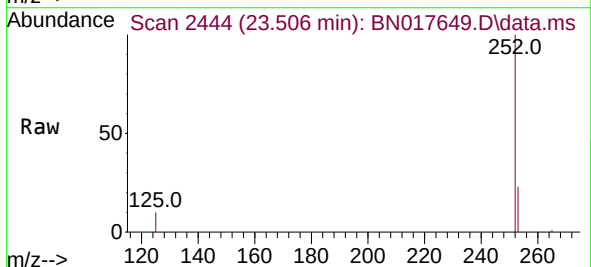
12/01/2021
Supervised By :mohammad
ahmed

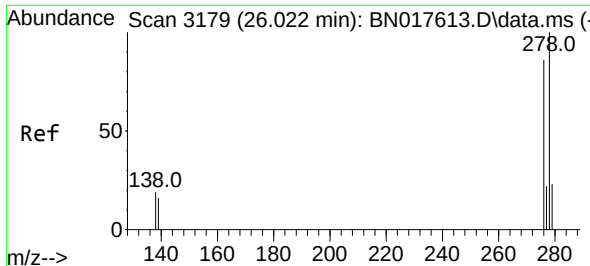
12/05/2021



#39
Benzo(a)pyrene
Concen: 0.754 ng
RT: 23.506 min Scan# 2444
Delta R.T. -0.020 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

Tgt Ion:252 Resp: 184729
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 9.9 9.2 13.8





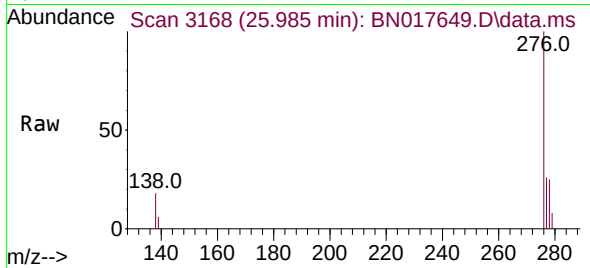
#40
Dibenzo(a,h)anthracene
Concen: 0.074 ng
RT: 25.985 min Scan# 3179
Delta R.T. -0.037 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

Instrument :

BNA_N

ClientSampleId :

CS-9DL



Tgt Ion:278 Resp: 16124
Ion Ratio Lower Upper
278 100
139 25.4 13.0 19.6
279 30.4 19.2 28.8

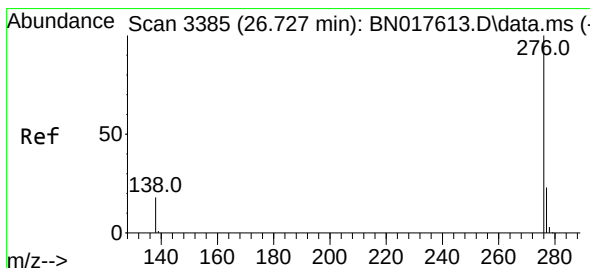
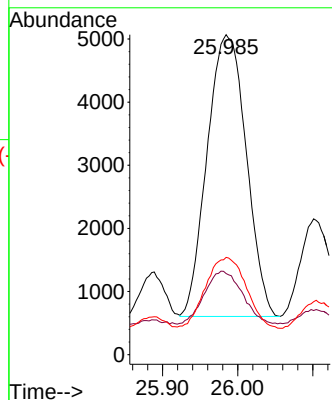
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Supervised By :mohammad
ahmed

12/05/2021



#41
Benzo(g,h,i)perylene
Concen: 0.260 ng
RT: 26.703 min Scan# 3378
Delta R.T. -0.024 min
Lab File: BN017649.D
Acq: 01 Dec 2021 13:58

Tgt Ion:276 Resp: 58680
Ion Ratio Lower Upper
276 100
277 24.5 19.0 28.4
138 18.0 17.1 25.7

