

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017648.D
 Acq On : 01 Dec 2021 13:22
 Operator : CG/JU
 Sample : M4862-15DL 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-8DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay
 12/01/2021

Supervised By :mohammad
 ahmed
 12/05/2021

Quant Time: Dec 01 13:56:19 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	21818	0.400	ng	0.00
7) Naphthalene-d8	10.548	136	91170	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	59801	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	131462	0.400	ng	#-0.01
29) Chrysene-d12	21.303	240	132746	0.400	ng	#-0.01
35) Perylene-d12	23.609	264	84328	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.385	112	128	0.003	ng	0.02
5) Phenol-d6	6.952	99	188	0.004	ng	0.00
8) Nitrobenzene-d5	8.913	82	1969	0.051	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	6511	0.041	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	43	0.126	ng	0.00
15) 2-Fluorobiphenyl	13.014	172	8654	0.037	ng	0.00
27) Fluoranthene-d10	19.154	212	18664	0.045	ng	0.00
31) Terphenyl-d14	19.754	244	13935	0.048	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.598	128	114826	0.499	ng	100
12) 2-Methylnaphthalene	12.213	142	60757	0.401	ng	98
16) Acenaphthylene	14.105	152	49701	0.213	ng	97
25) Phenanthrene	17.165	178	1481167	4.108	ng	100
26) Anthracene	17.250	178	87843	0.284	ng	# 81
28) Fluoranthene	19.184	202	1464285	3.589	ng	97
30) Pyrene	19.546	202	1123746	2.622	ng	99
32) Benzo(a)anthracene	21.293	228	561313	1.392	ng	95
33) Chrysene	21.335	228	452144	1.031	ng	96
34) Bis(2-ethylhexyl)phtha...	21.229	149	8151	0.085	ng	95
36) Indeno(1,2,3-cd)pyrene	25.974	276	101389	0.370	ng	# 91
37) Benzo(b)fluoranthene	22.914	252	443586	1.586	ng	98
38) Benzo(k)fluoranthene	22.955	252	157036m	0.548	ng	
39) Benzo(a)pyrene	23.506	252	201613	0.805	ng	97
40) Dibenzo(a,h)anthracene	25.985	278	23208	0.104	ng	# 83
41) Benzo(g,h,i)perylene	26.697	276	79550	0.346	ng	95

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

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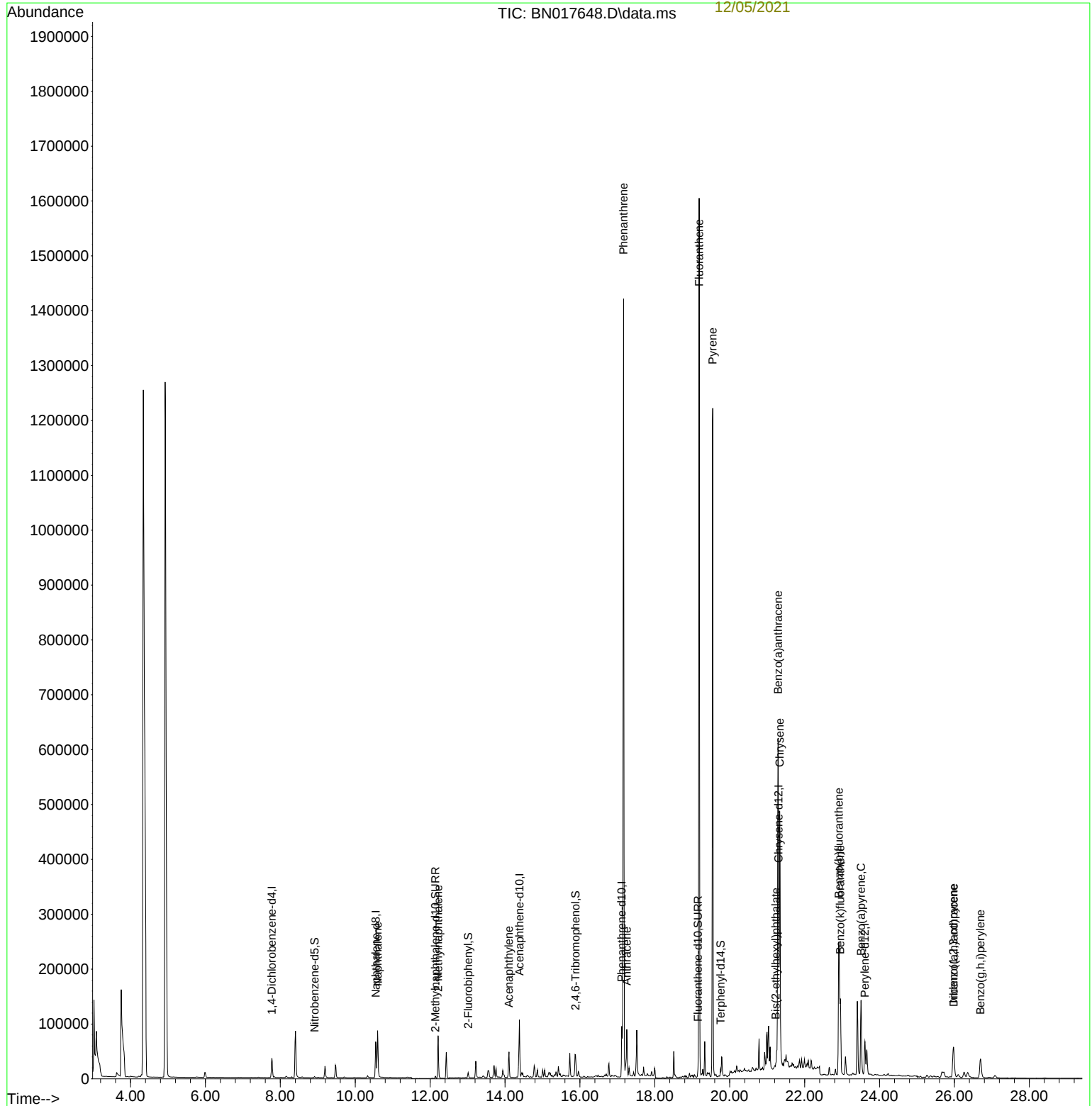
Instrument :
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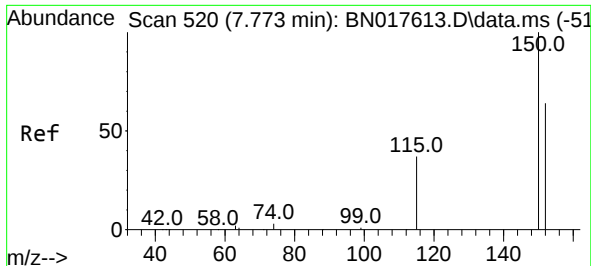
Quant Time: Dec 01 13:56:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
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Upadhyay
12/01/2021

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ahmed
12/05/2021





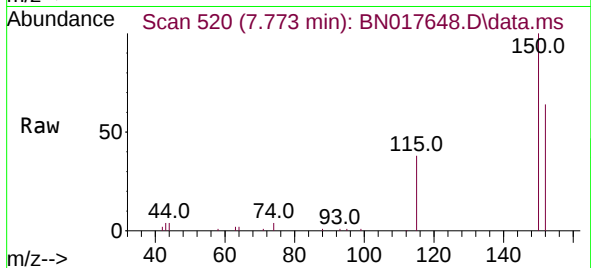
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1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Instrument :

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ClientSampleId :

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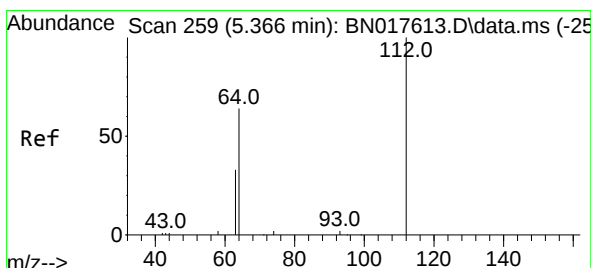
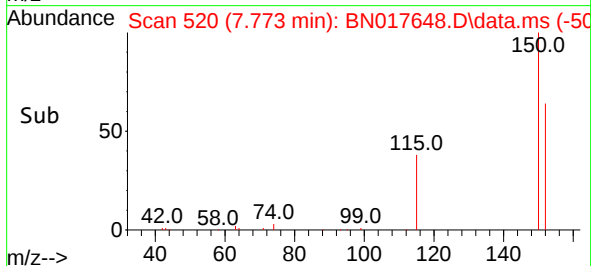
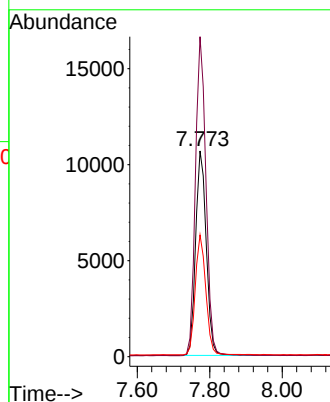


Tgt Ion:152 Resp: 21818
Ion Ratio Lower Upper
152 100
150 155.5 123.0 184.4
115 59.2 45.6 68.4

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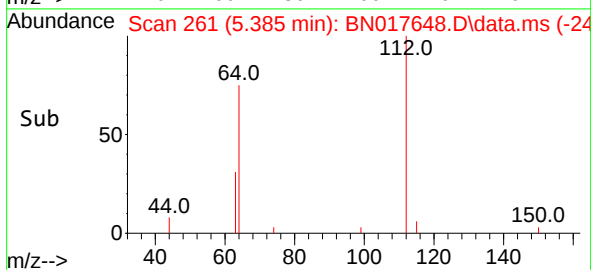
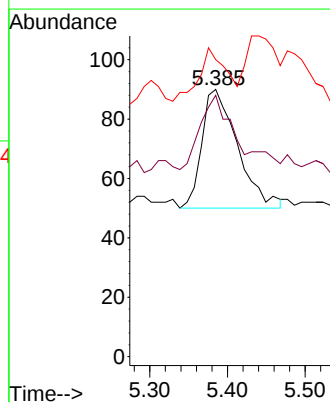
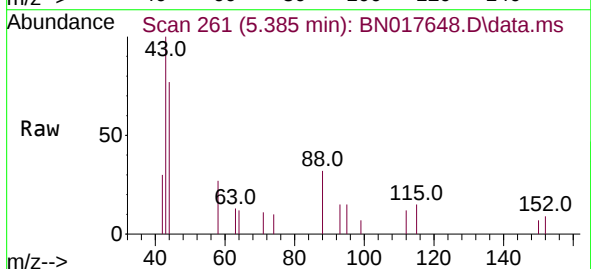
Reviewed By :Jagrut
Upadhyay
12/01/2021

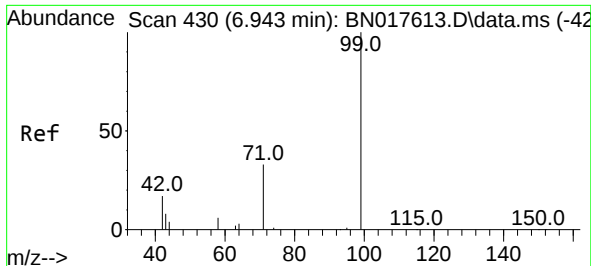
Supervised By :mohammad
ahmed
12/05/2021



#4
2-Fluorophenol
Concen: 0.003 ng
RT: 5.385 min Scan# 261
Delta R.T. 0.019 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

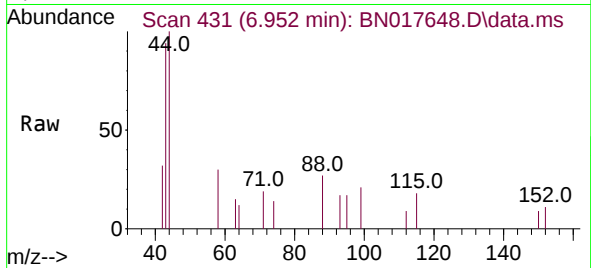
Tgt Ion:112 Resp: 128
Ion Ratio Lower Upper
112 100
64 63.3 47.6 71.4
63 33.6 24.6 37.0





#5
Phenol-d6
Concen: 0.004 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.010 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

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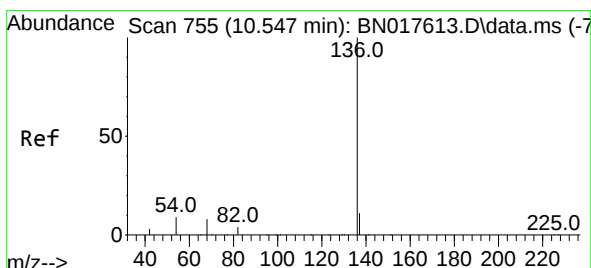
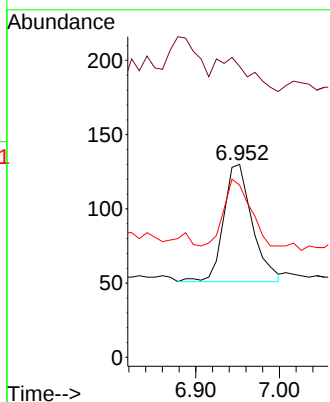
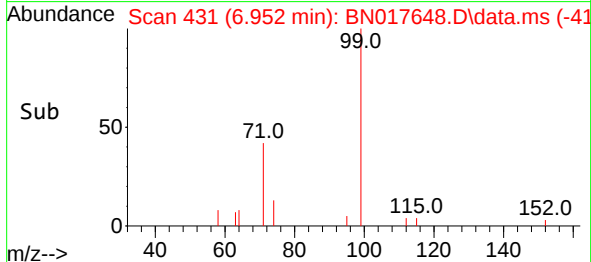


Tgt Ion: 99 Resp: 188
Ion Ratio Lower Upper
99 100
42 33.5 17.0 25.6
71 51.6 24.8 37.2

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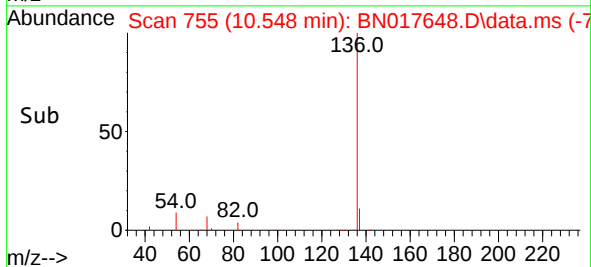
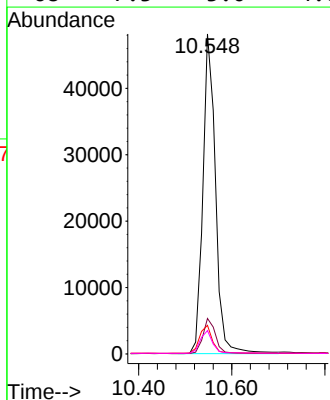
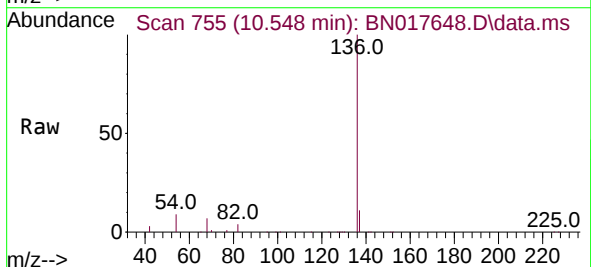
Reviewed By :Jagrut
Upadhyay
12/01/2021

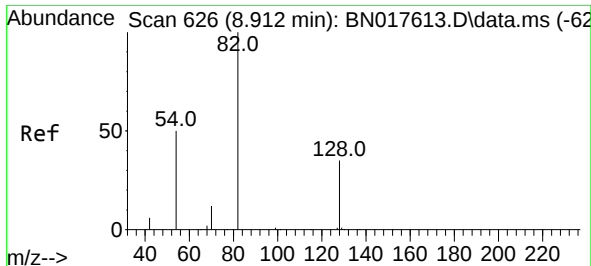
Supervised By :mohammad
ahmed
12/05/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.548 min Scan# 755
Delta R.T. 0.001 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

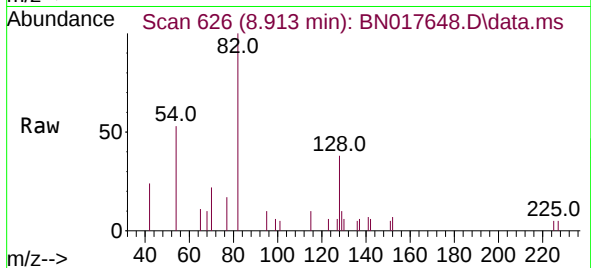
Tgt Ion:136 Resp: 91170
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.0 4.0 6.0#
68 7.3 3.0 4.6#





#8
Nitrobenzene-d5
Concen: 0.051 ng
RT: 8.913 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Instrument :
BNA_N
ClientSampleId :
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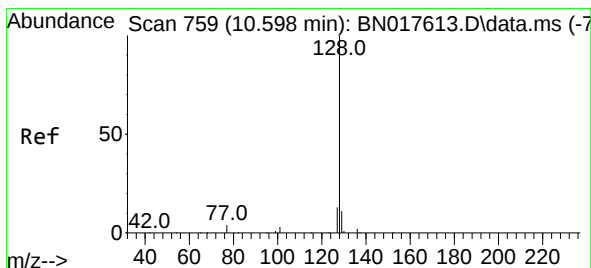
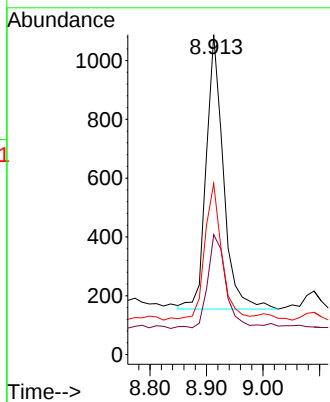
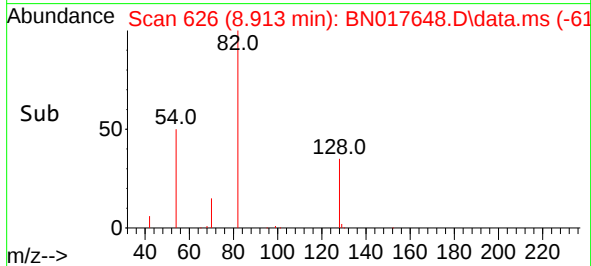


Tgt Ion: 82 Resp: 1969
Ion Ratio Lower Upper
82 100
128 37.5 27.7 41.5
54 53.5 49.2 73.8

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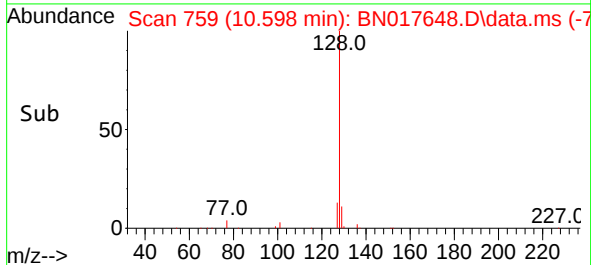
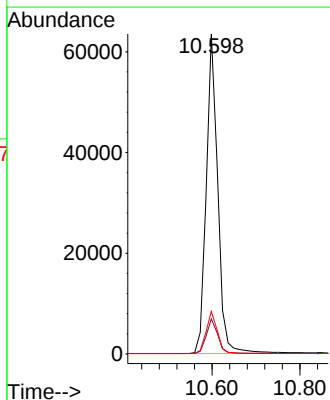
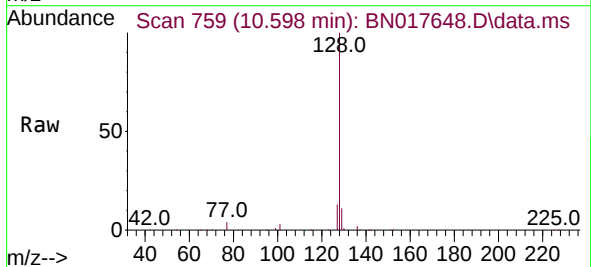
Reviewed By :Jagrut
Upadhyay
12/01/2021

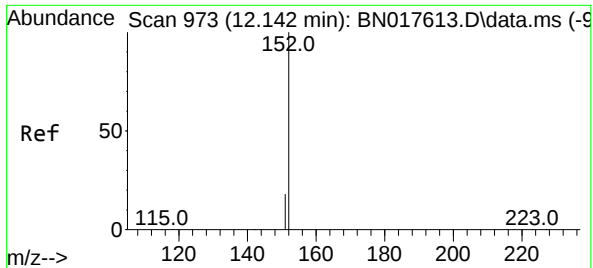
Supervised By :mohammad
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12/05/2021



#9
Naphthalene
Concen: 0.499 ng
RT: 10.598 min Scan# 759
Delta R.T. 0.000 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

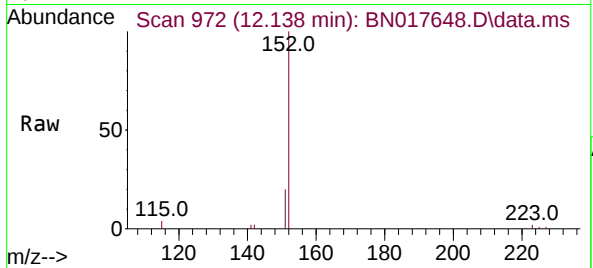
Tgt Ion:128 Resp: 114826
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.3 10.6 15.8





#11
2-Methylnaphthalene-d10
Concen: 0.041 ng
RT: 12.138 min Scan# 911
Delta R.T. -0.004 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Instrument :
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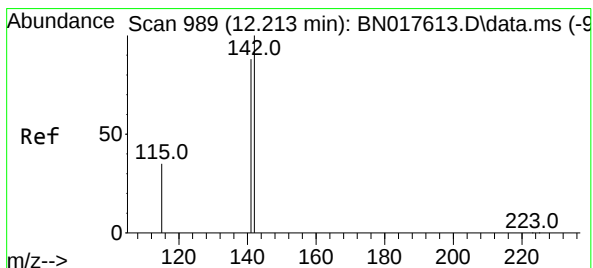
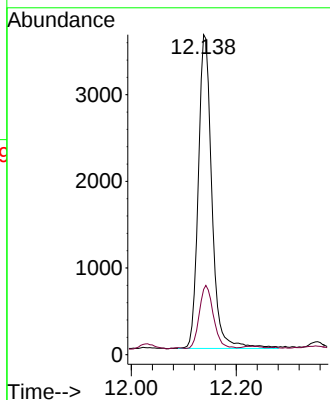
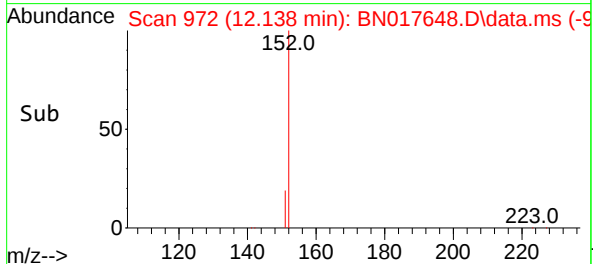


Tgt Ion:152 Resp: 651
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.4

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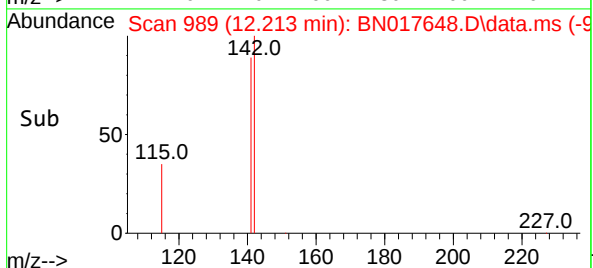
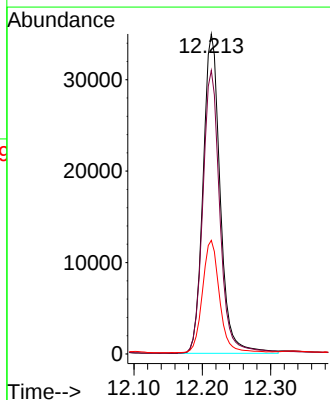
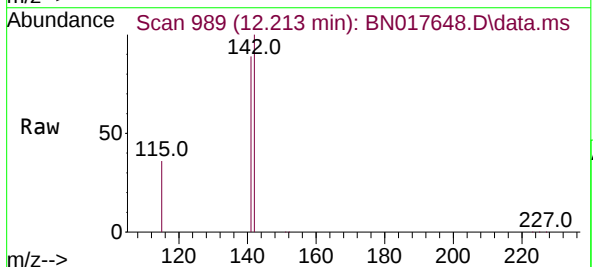
Reviewed By :Jagrut
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12/01/2021

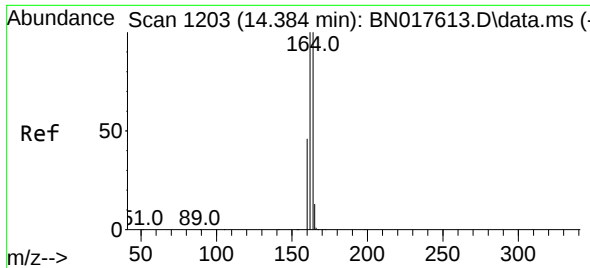
Supervised By :mohammad
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12/05/2021



#12
2-Methylnaphthalene
Concen: 0.401 ng
RT: 12.213 min Scan# 989
Delta R.T. 0.000 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

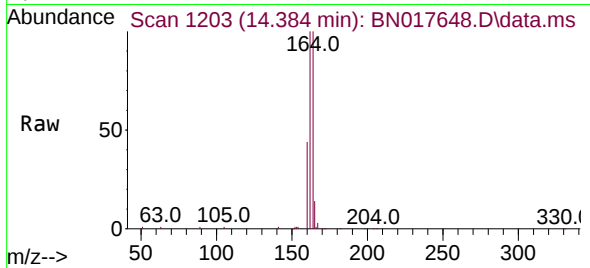
Tgt Ion:142 Resp: 60757
Ion Ratio Lower Upper
142 100
141 88.6 70.6 106.0
115 35.5 25.8 38.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.384 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

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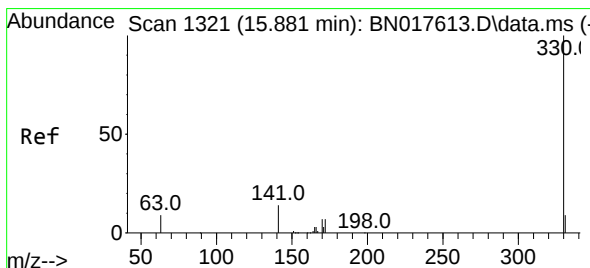
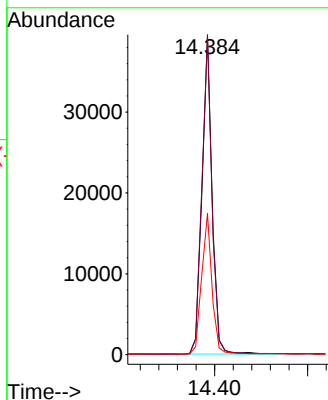
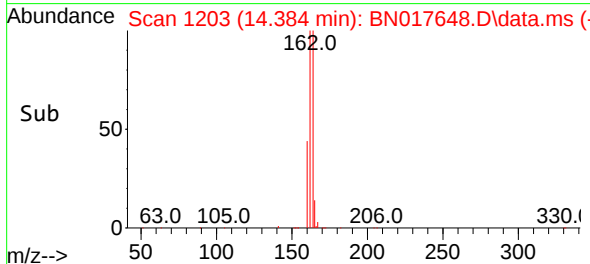


Tgt Ion:164 Resp: 5980
Ion Ratio Lower Upper
164 100
162 99.9 81.4 122.2
160 44.2 36.8 55.2

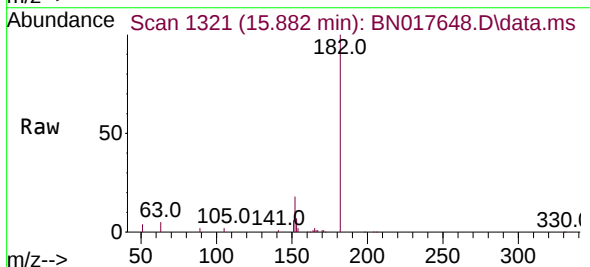
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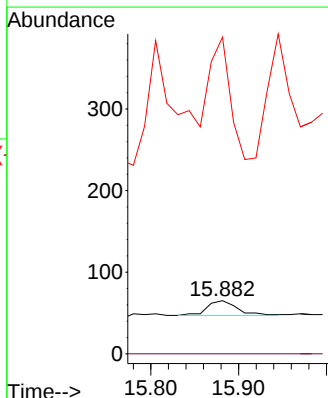
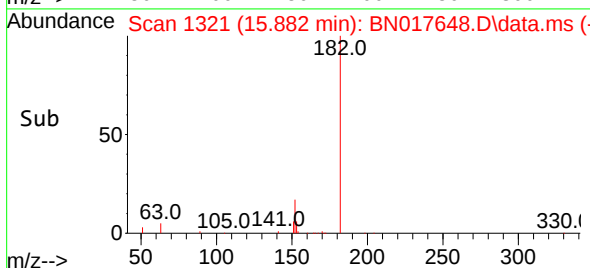
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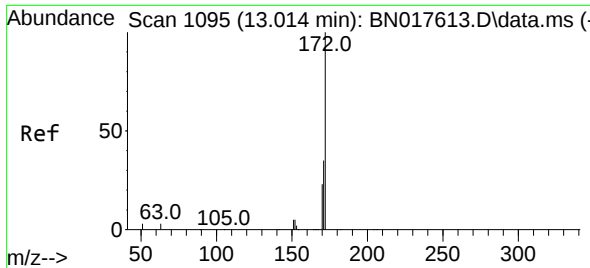


#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.882 min Scan# 1321
Delta R.T. 0.001 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22



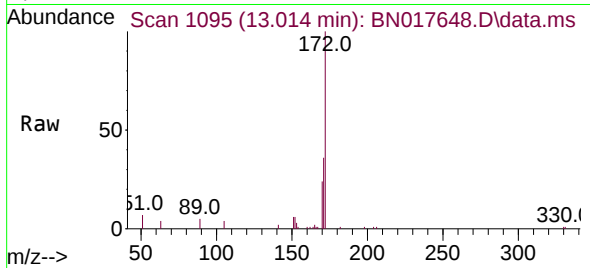
Tgt Ion:330 Resp: 43
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 560.5 28.9 43.3#





#15
2-Fluorobiphenyl
Concen: 0.037 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017648.D
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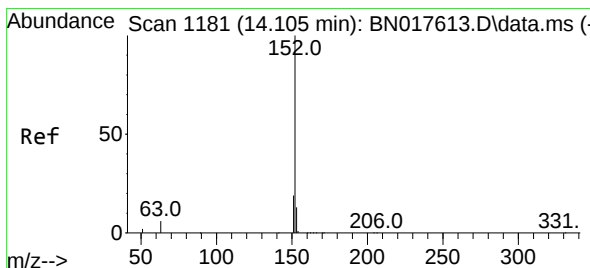
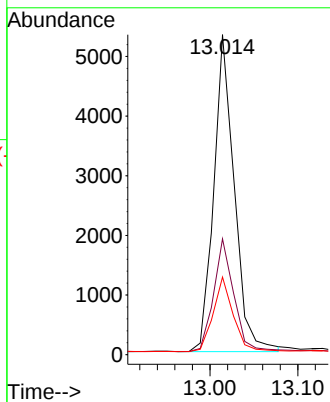
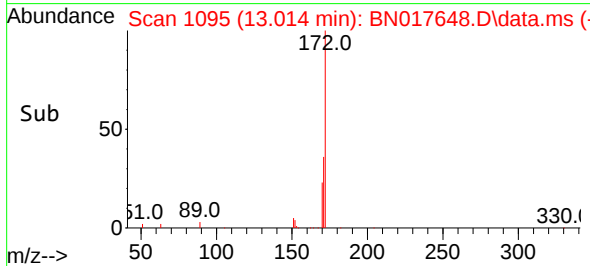


Tgt Ion:172 Resp: 8654
Ion Ratio Lower Upper
172 100
171 36.2 28.7 43.1
170 24.3 19.4 29.2

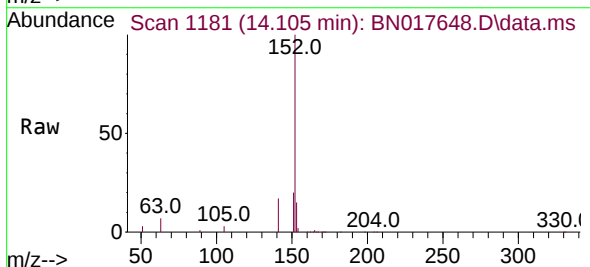
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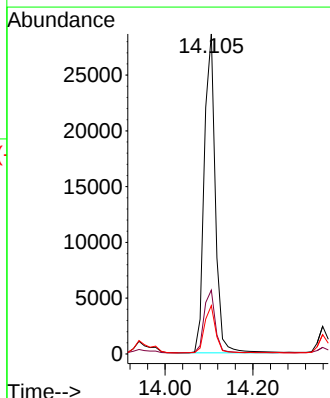
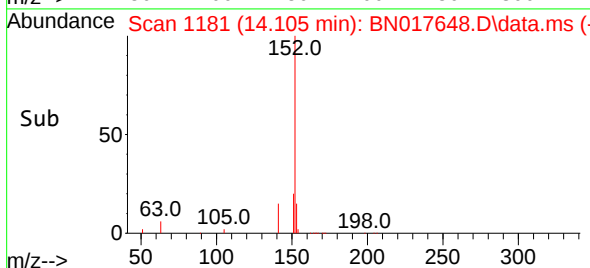
Supervised By :mohammad
ahmed
12/05/2021

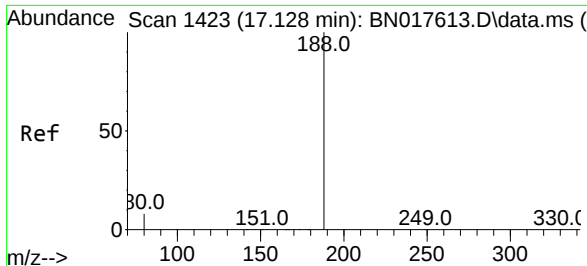


#16
Acenaphthylene
Concen: 0.213 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22



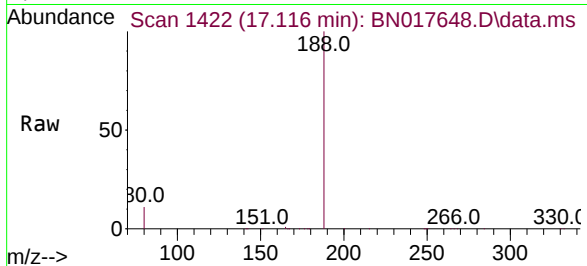
Tgt Ion:152 Resp: 49701
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 14.9 10.4 15.6





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017648.D
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Instrument :
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ClientSampleId :
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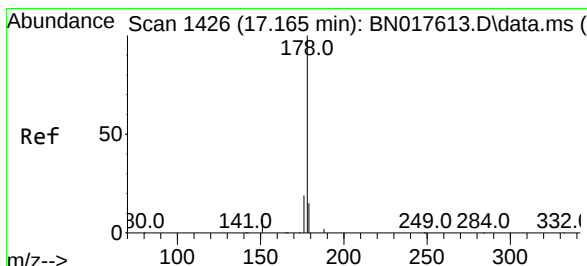
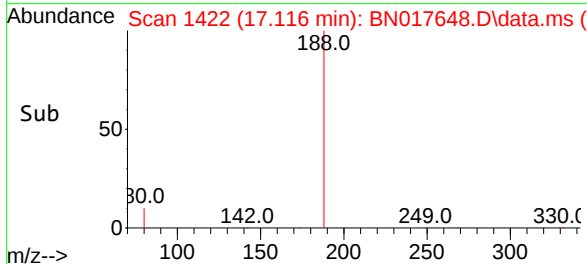
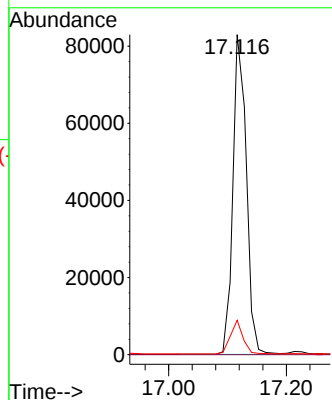


Tgt Ion:188 Resp: 131462
Ion Ratio Lower Upper
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94 0.0 0.0 0.0
80 10.8 6.1 9.1

Manual Integrations
APPROVED

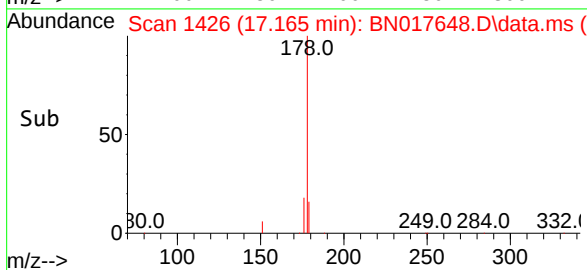
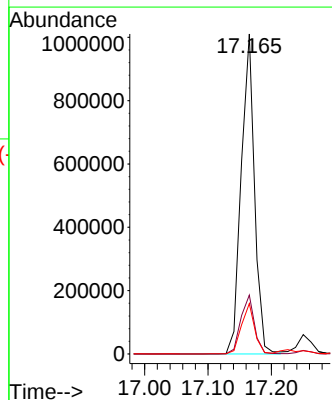
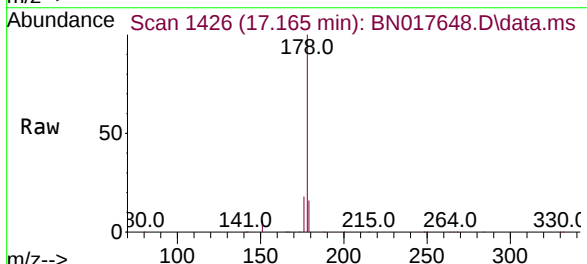
Reviewed By :Jagrut
Upadhyay
12/01/2021

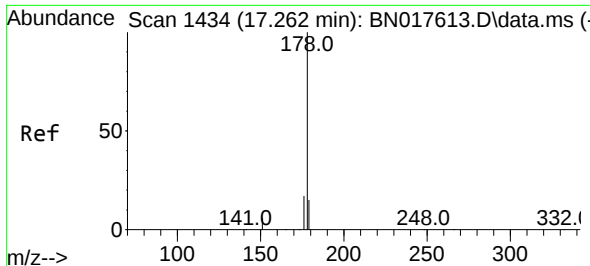
Supervised By :mohammad
ahmed
12/05/2021



#25
Phenanthrene
Concen: 4.108 ng
RT: 17.165 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

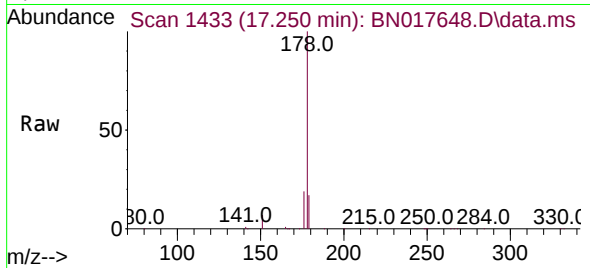
Tgt Ion:178 Resp: 1481167
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#26
 Anthracene
 Concen: 0.284 ng
 RT: 17.250 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017648.D
 Acq: 01 Dec 2021 13:22

Instrument :
 BNA_N
 ClientSampleId :
 CS-8DL

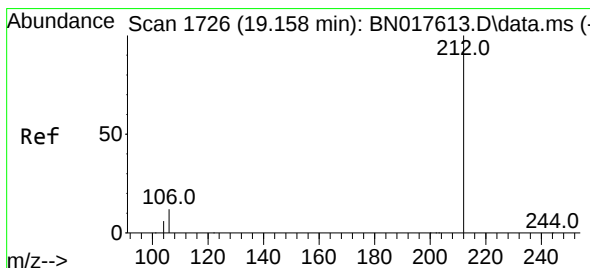
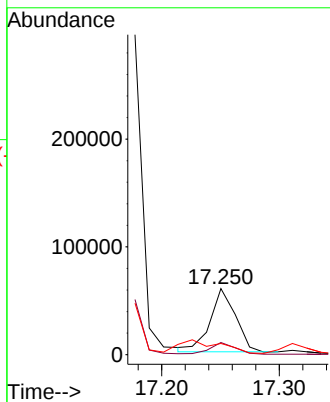
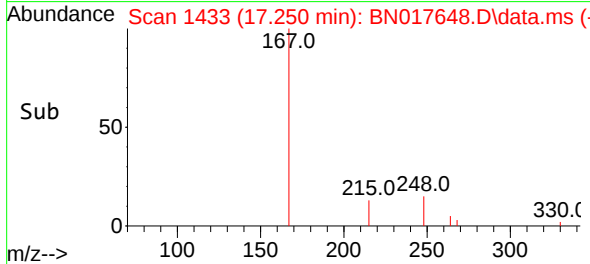


Tgt Ion:178 Resp: 8784
 Ion Ratio Lower Upper
 178 100
 176 20.1 14.6 22.0
 179 0.0 12.2 18.4

Manual Integrations
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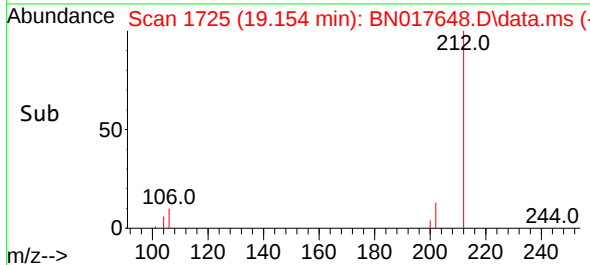
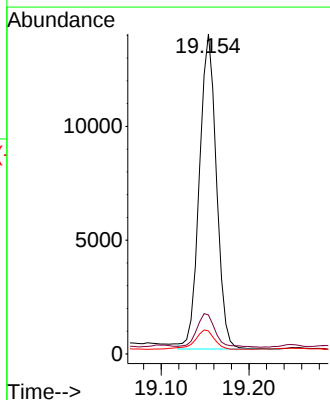
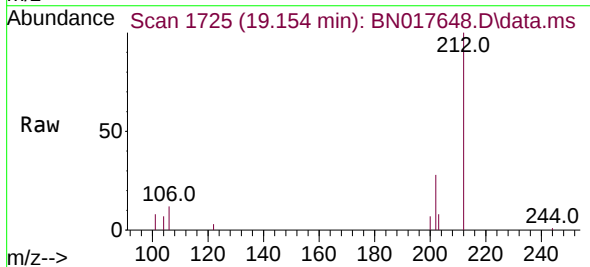
Reviewed By :Jagrut
 Upadhyay
 12/01/2021

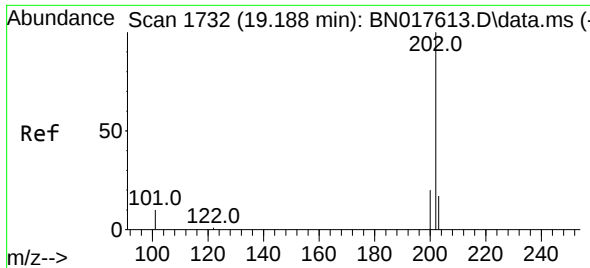
Supervised By :mohammad
 ahmed
 12/05/2021



#27
 Fluoranthene-d10
 Concen: 0.045 ng
 RT: 19.154 min Scan# 1725
 Delta R.T. -0.004 min
 Lab File: BN017648.D
 Acq: 01 Dec 2021 13:22

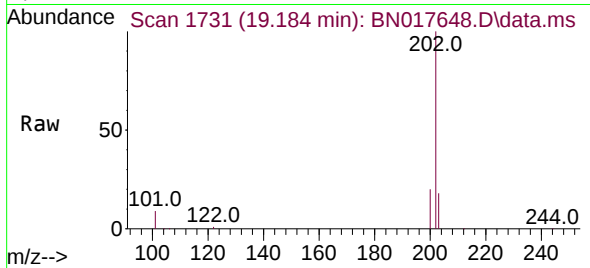
Tgt Ion:212 Resp: 18664
 Ion Ratio Lower Upper
 212 100
 106 11.5 10.5 15.7
 104 7.1 5.8 8.6





#28
Fluoranthene
Concen: 3.589 ng
RT: 19.184 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Instrument :
BNA_N
ClientSampleId :
CS-8DL

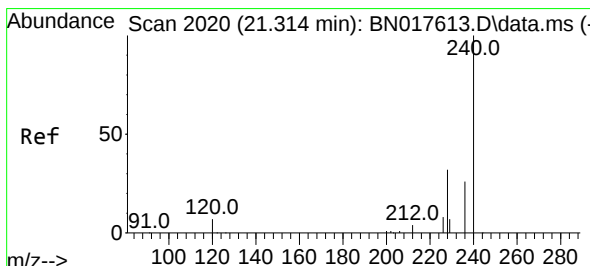
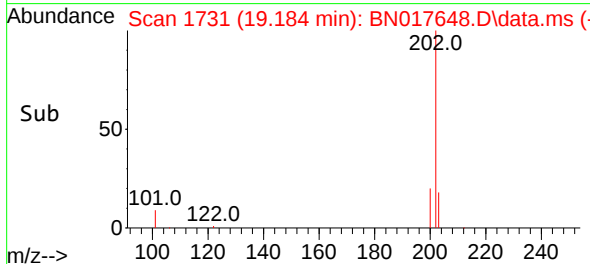
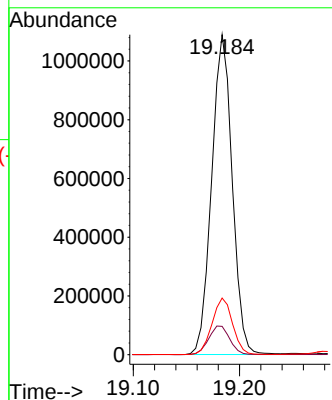


Tgt Ion:202 Resp: 1464285
Ion Ratio Lower Upper
202 100
101 9.2 8.9 13.3
203 17.6 13.8 20.6

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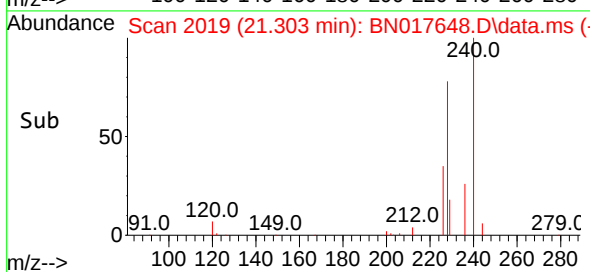
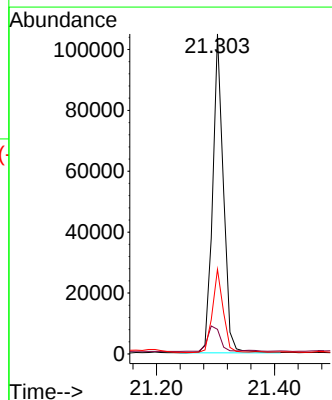
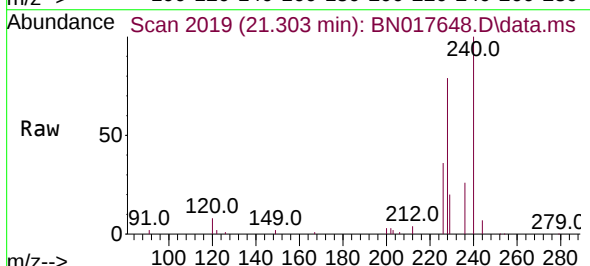
Reviewed By :Jagrut
Upadhyay
12/01/2021

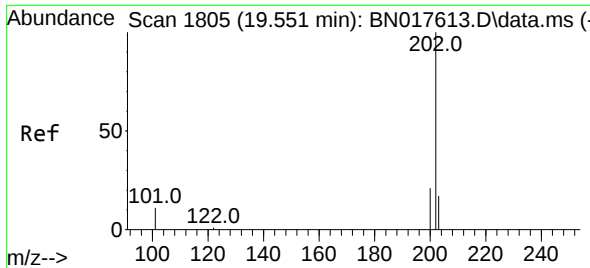
Supervised By :mohammad
ahmed
12/05/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.303 min Scan# 2019
Delta R.T. -0.011 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

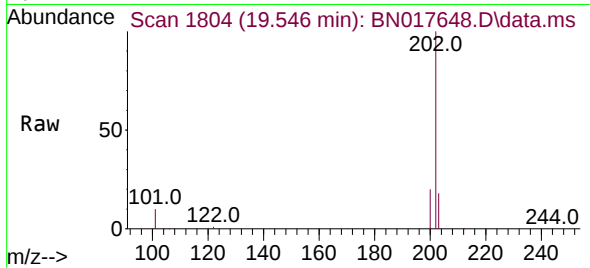
Tgt Ion:240 Resp: 132746
Ion Ratio Lower Upper
240 100
120 7.7 4.2 6.2#
236 26.5 20.0 30.0





#30
Pyrene
Concen: 2.622 ng
RT: 19.546 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Instrument :
BNA_N
ClientSampleId :
CS-8DL

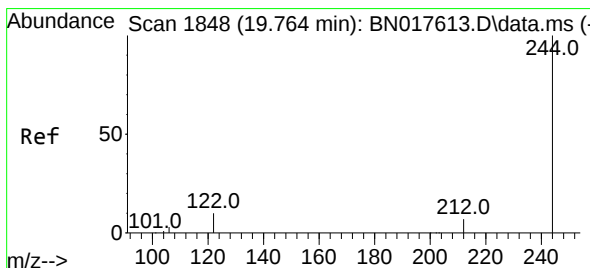
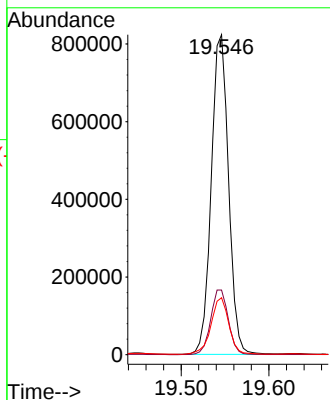
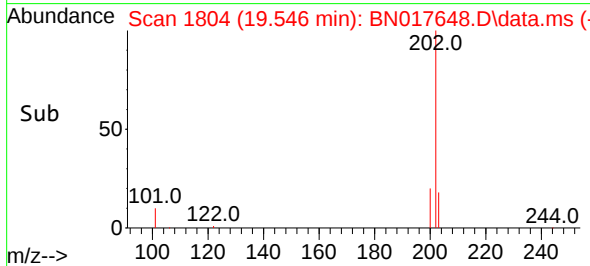


Tgt Ion:202 Resp: 1123740
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 18.3 14.0 21.0

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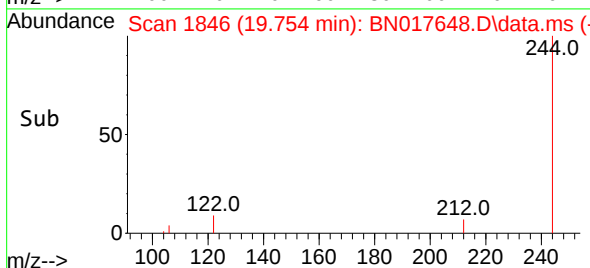
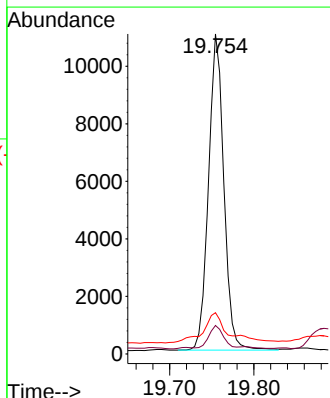
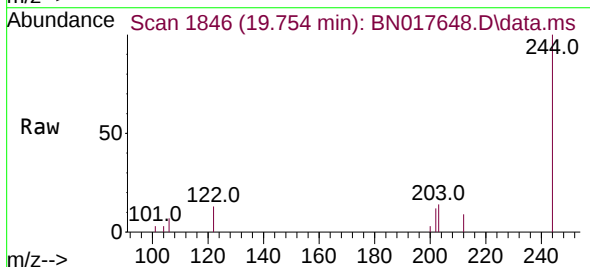
Reviewed By :Jagrut
Upadhyay
12/01/2021

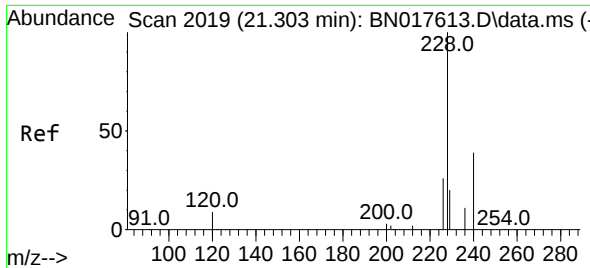
Supervised By :mohammad
ahmed
12/05/2021



#31
Terphenyl-d14
Concen: 0.048 ng
RT: 19.754 min Scan# 1846
Delta R.T. -0.010 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

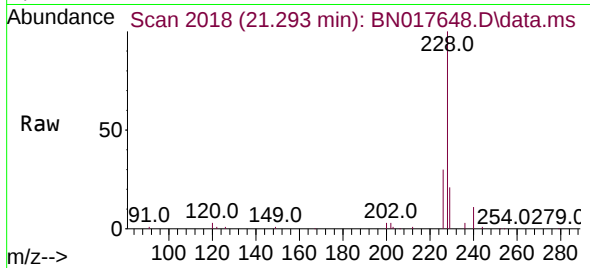
Tgt Ion:244 Resp: 13935
Ion Ratio Lower Upper
244 100
212 8.9 5.7 8.5#
122 12.9 8.6 13.0





#32
Benzo(a)anthracene
Concen: 1.392 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Instrument :
BNA_N
ClientSampleId :
CS-8DL

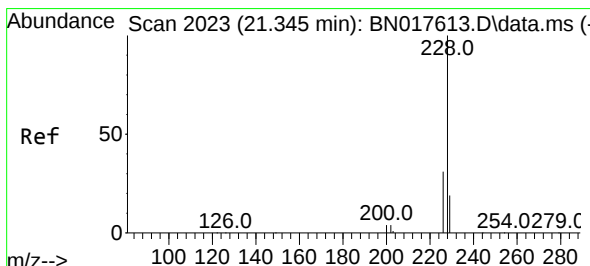
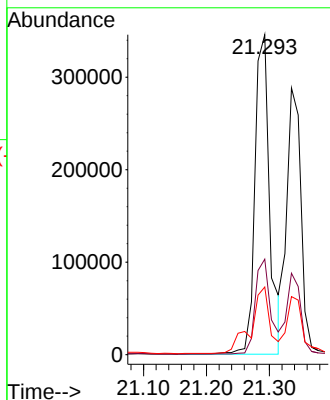
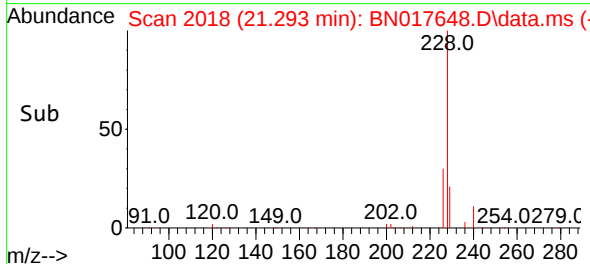


Tgt Ion:228 Resp: 56131
Ion Ratio Lower Upper
228 100
226 29.8 21.3 31.9
229 21.1 15.7 23.5

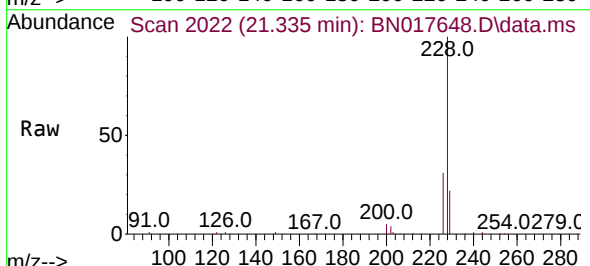
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Reviewed By :Jagrut
Upadhyay
12/01/2021

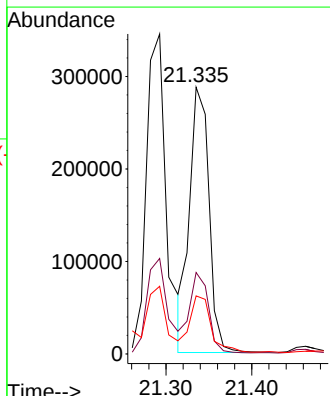
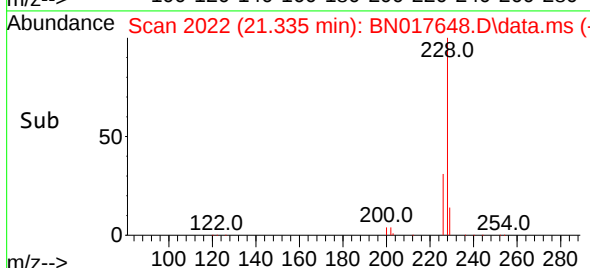
Supervised By :mohammad
ahmed
12/05/2021

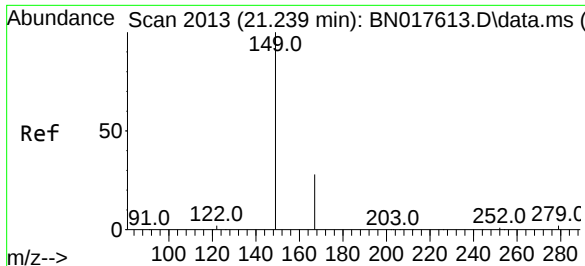


#33
Chrysene
Concen: 1.031 ng
RT: 21.335 min Scan# 2022
Delta R.T. -0.010 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22



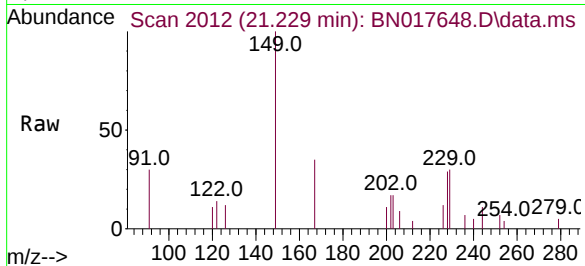
Tgt Ion:228 Resp: 452144
Ion Ratio Lower Upper
228 100
226 30.6 23.3 34.9
229 21.8 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.085 ng
RT: 21.229 min Scan# 2013
Delta R.T. -0.010 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Instrument :
BNA_N
ClientSampleId :
CS-8DL

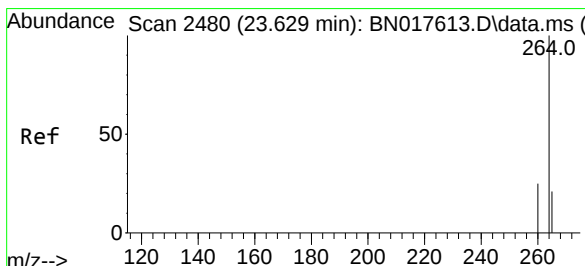
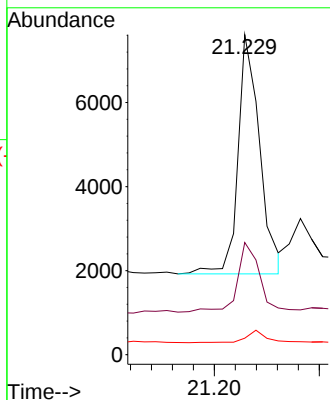
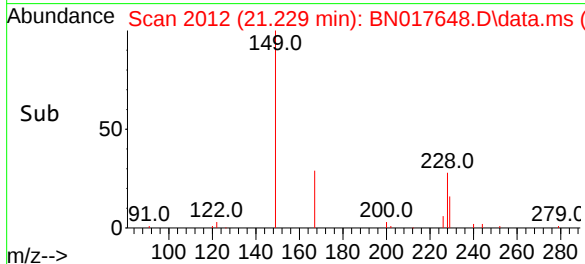


Tgt Ion:149 Resp: 815
Ion Ratio Lower Upper
149 100
167 30.2 21.8 32.6
279 5.0 3.4 5.0

Manual Integrations
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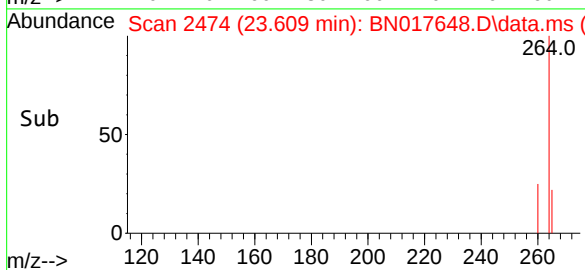
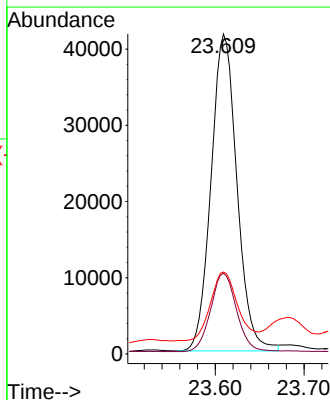
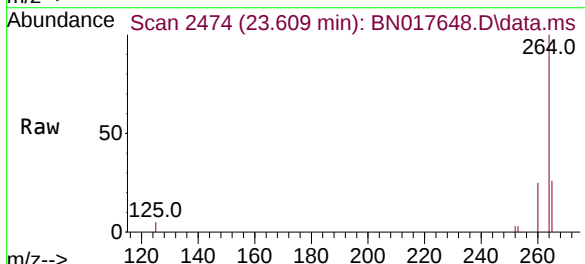
Reviewed By :Jagrut
Upadhyay
12/01/2021

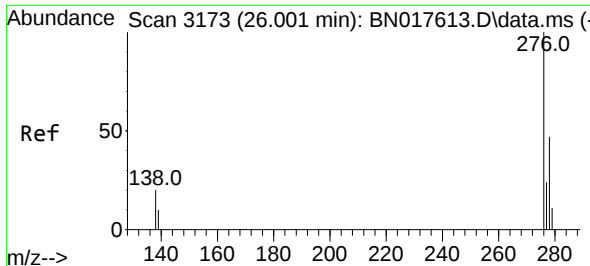
Supervised By :mohammad
ahmed
12/05/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.609 min Scan# 2474
Delta R.T. -0.020 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

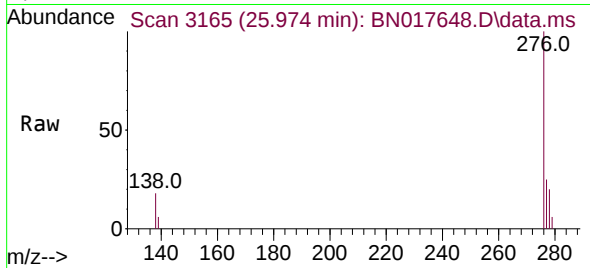
Tgt Ion:264 Resp: 84328
Ion Ratio Lower Upper
264 100
260 25.3 19.4 29.2
265 25.6 18.6 28.0





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.370 ng
RT: 25.974 min Scan# 3173
Delta R.T. -0.027 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Instrument :
BNA_N
ClientSampleId :
CS-8DL

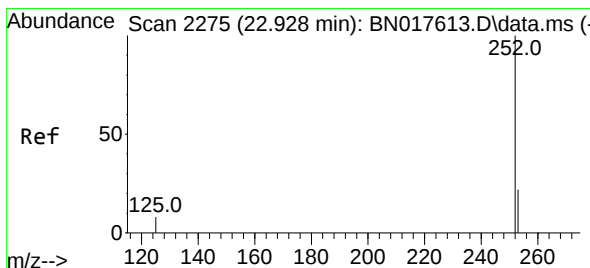
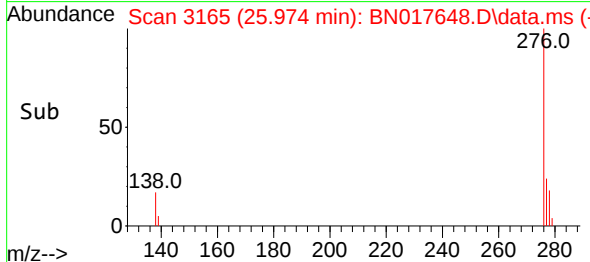
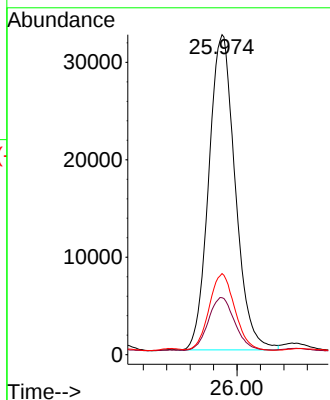


Tgt Ion:276 Resp: 101389
Ion Ratio Lower Upper
276 100
138 16.9 19.7 29.5
277 23.5 20.0 30.0

Manual Integrations
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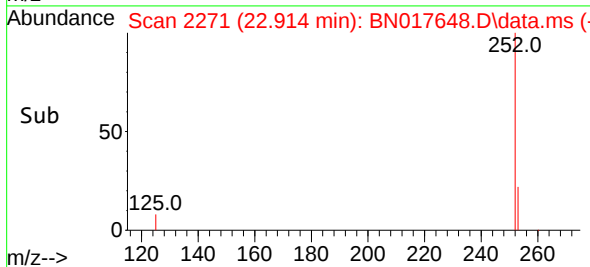
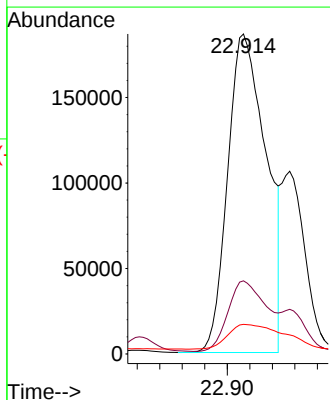
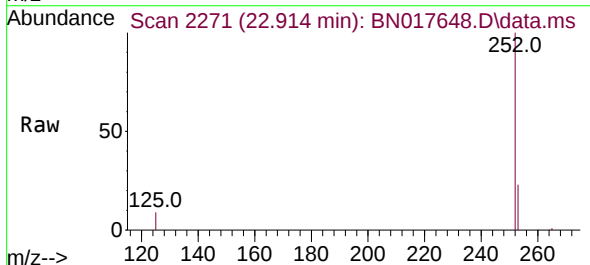
Reviewed By :Jagrut
Upadhyay
12/01/2021

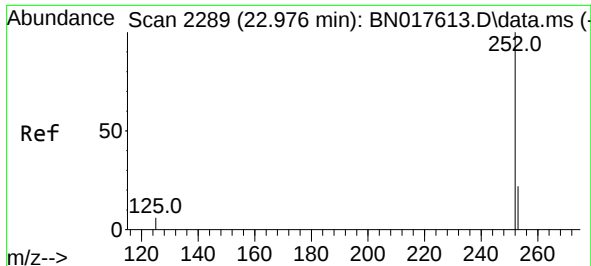
Supervised By :mohammad
ahmed
12/05/2021



#37
Benzo(b)fluoranthene
Concen: 1.586 ng
RT: 22.914 min Scan# 2271
Delta R.T. -0.013 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

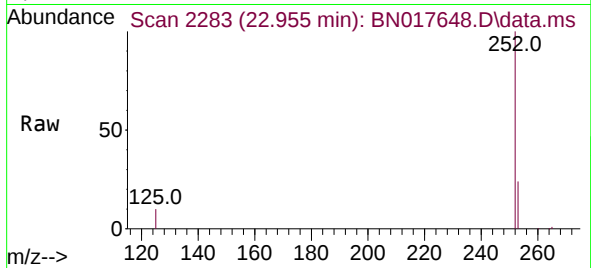
Tgt Ion:252 Resp: 443586
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 9.2 7.8 11.8





#38
Benzo(k)fluoranthene
Concen: 0.548 ng m
RT: 22.955 min Scan# 21
Delta R.T. -0.020 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Instrument :
BNA_N
ClientSampleId :
CS-8DL

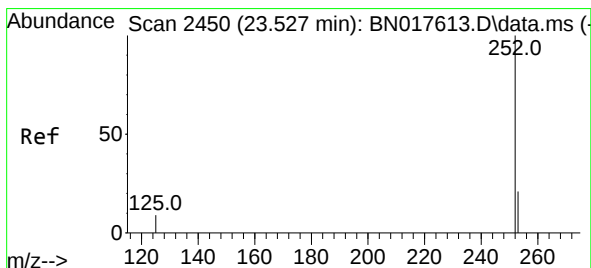
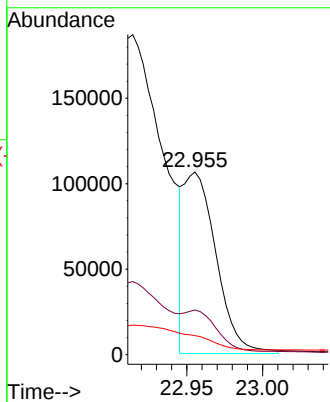
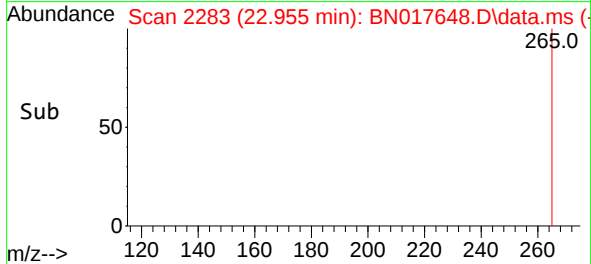


Tgt Ion:252 Resp: 157030
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 10.5 8.2 12.2

Manual Integrations
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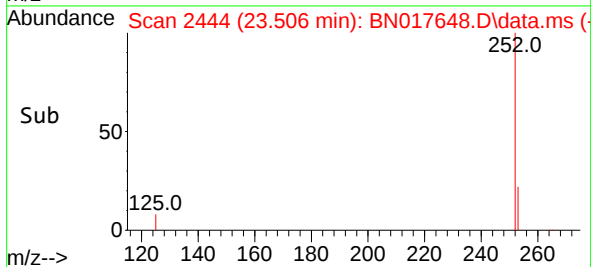
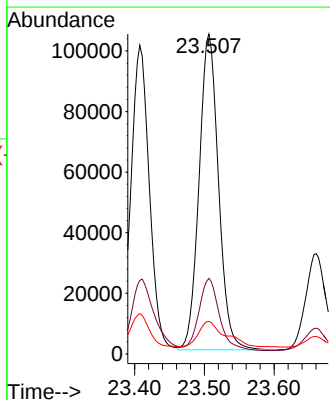
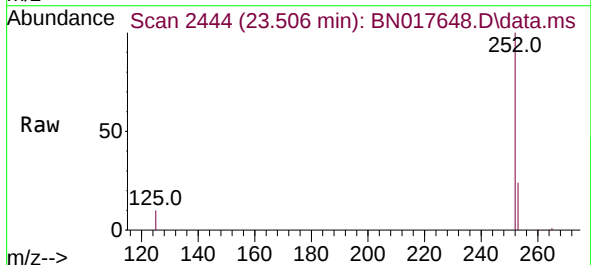
Reviewed By :Jagrut
Upadhyay
12/01/2021

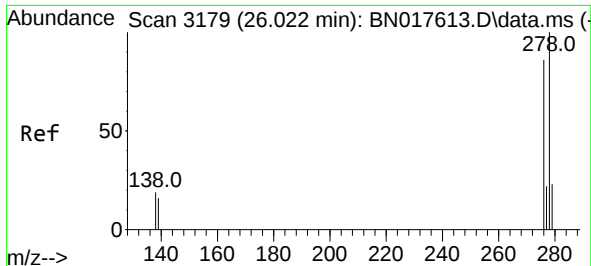
Supervised By :mohammad
ahmed
12/05/2021



#39
Benzo(a)pyrene
Concen: 0.805 ng
RT: 23.506 min Scan# 2444
Delta R.T. -0.020 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

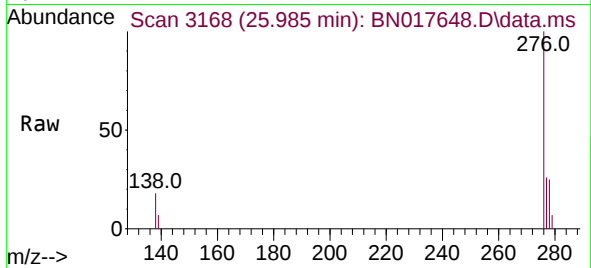
Tgt Ion:252 Resp: 201613
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 10.2 9.2 13.8





#40
Dibenzo(a,h)anthracene
Concen: 0.104 ng
RT: 25.985 min Scan# 3179
Delta R.T. -0.037 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Instrument :
BNA_N
ClientSampleId :
CS-8DL

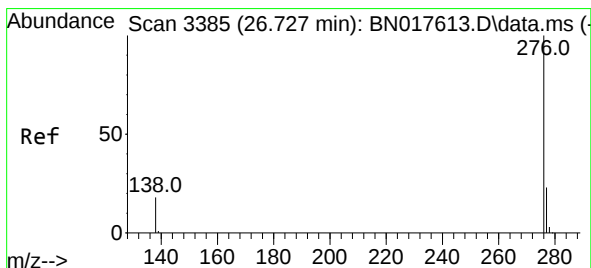
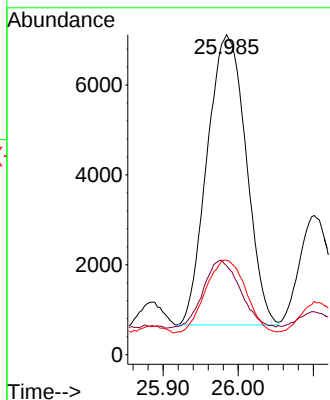


Tgt Ion:278 Resp: 23200
Ion Ratio Lower Upper
278 100
139 27.8 13.0 19.6
279 29.5 19.2 28.8

Manual Integrations
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Reviewed By :Jagrut
Upadhyay
12/01/2021

Supervised By :mohammad
ahmed
12/05/2021



#41
Benzo(g,h,i)perylene
Concen: 0.346 ng
RT: 26.697 min Scan# 3376
Delta R.T. -0.030 min
Lab File: BN017648.D
Acq: 01 Dec 2021 13:22

Tgt Ion:276 Resp: 79550
Ion Ratio Lower Upper
276 100
277 24.4 19.0 28.4
138 17.4 17.1 25.7

