

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017626.D
 Acq On : 30 Nov 2021 23:36
 Operator : CG/JU
 Sample : M4862-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-1A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/01/2021
 Supervised By :mohammad ahmed 12/05/2021

Quant Time: Dec 01 03:15:57 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	26876	0.400	ng	0.00
7) Naphthalene-d8	10.548	136	113847	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	65750	0.400	ng	0.00
19) Phenanthrene-d10	17.129	188	134938	0.400	ng	0.00
29) Chrysene-d12	21.314	240	129348	0.400	ng	0.00
35) Perylene-d12	23.619	264	112578	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.403	112	130	0.002	ng	0.04
5) Phenol-d6	6.952	99	1419	0.022	ng	0.00
8) Nitrobenzene-d5	8.913	82	10517	0.218	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	48414	0.244	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	40	0.126	ng	0.00
15) 2-Fluorobiphenyl	13.014	172	62355	0.244	ng	0.00
27) Fluoranthene-d10	19.159	212	112777	0.267	ng	0.00
31) Terphenyl-d14	19.759	244	77658	0.274	ng	0.00
Target Compounds						Qvalue
25) Phenanthrene	17.165	178	189083m	0.511	ng	
26) Anthracene	17.250	178	14955	0.047	ng	# 79
28) Fluoranthene	19.188	202	176454	0.421	ng	98
30) Pyrene	19.551	202	117936	0.282	ng	98
32) Benzo(a)anthracene	21.293	228	57856	0.147	ng	97
33) Chrysene	21.346	228	60291	0.141	ng	97
34) Bis(2-ethylhexyl)phtha...	21.240	149	32595	0.350	ng	97
36) Indeno(1,2,3-cd)pyrene	25.988	276	27508	0.075	ng	# 91
37) Benzo(b)fluoranthene	22.921	252	67793	0.182	ng	# 95
38) Benzo(k)fluoranthene	22.962	252	28195m	0.074	ng	
39) Benzo(a)pyrene	23.517	252	38519	0.115	ng	# 94
41) Benzo(g,h,i)perylene	26.714	276	27430	0.089	ng	97

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

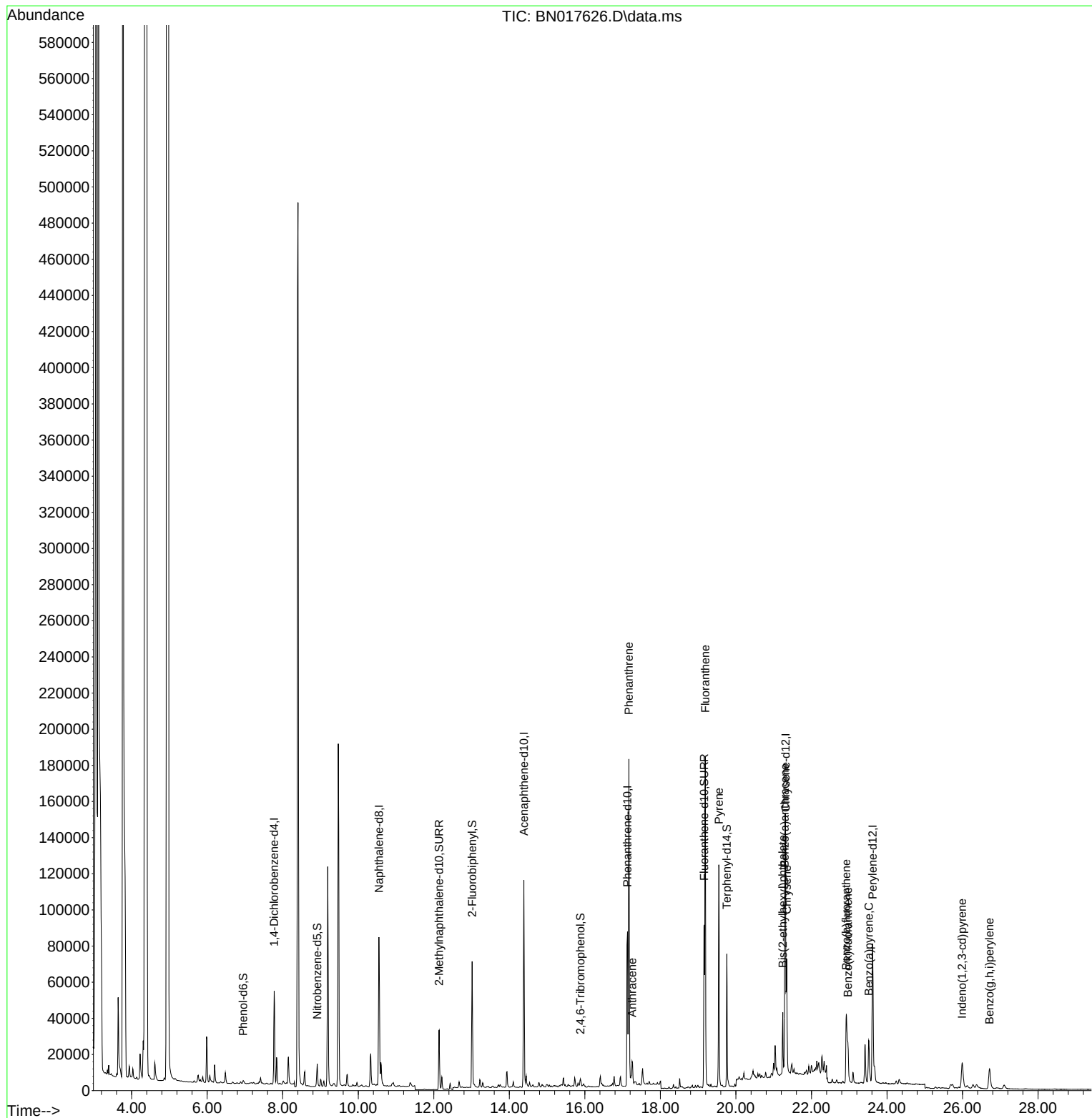
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
Data File : BN017626.D
Acq On : 30 Nov 2021 23:36
Operator : CG/JU
Sample : M4862-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

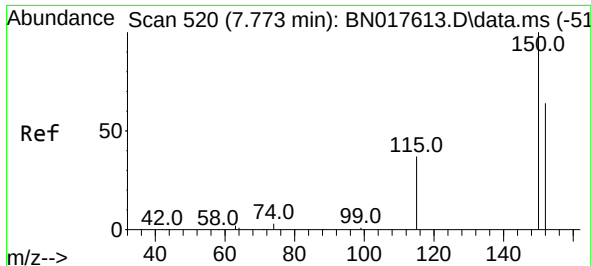
Instrument :
BNA_N
ClientSampleId :
CS-1A

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

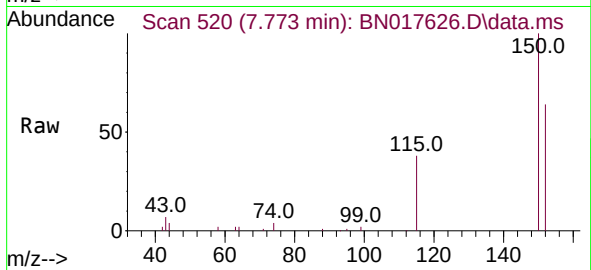
Quant Time: Dec 01 03:15:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 30 18:26:44 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

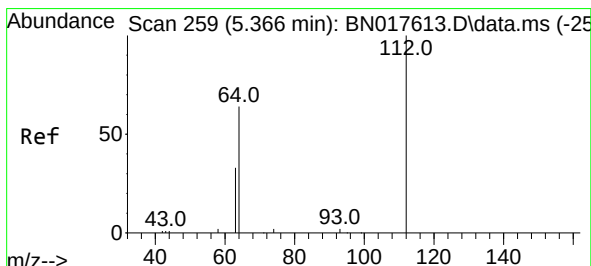
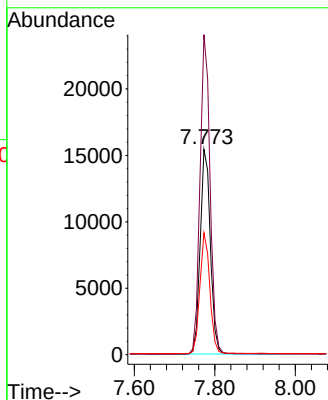
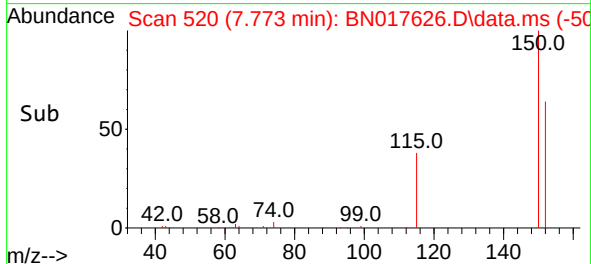
Instrument :
BNA_N
ClientSampleId :
CS-1A



Tgt Ion:152 Resp: 26870
Ion Ratio Lower Upper
152 100
150 155.9 123.0 184.4
115 59.4 45.6 68.4

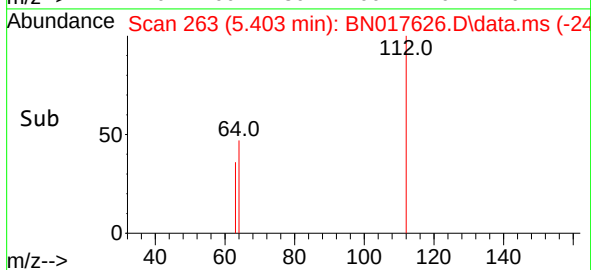
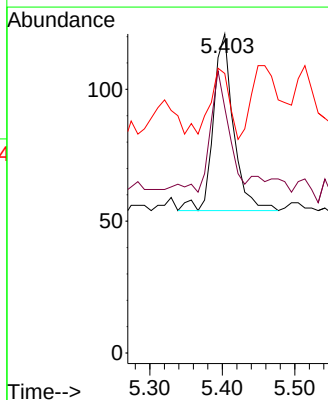
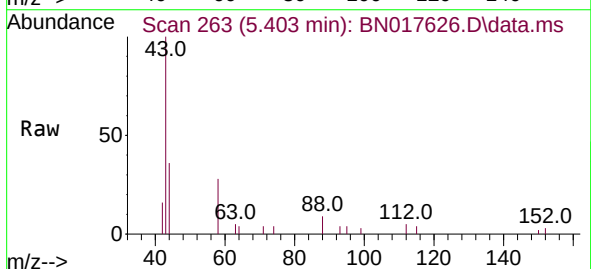
Manual Integrations
APPROVED

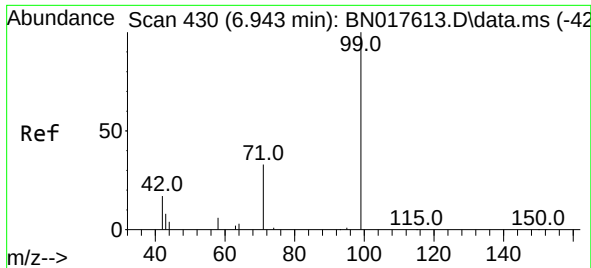
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#4
2-Fluorophenol
Concen: 0.002 ng
RT: 5.403 min Scan# 263
Delta R.T. 0.037 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

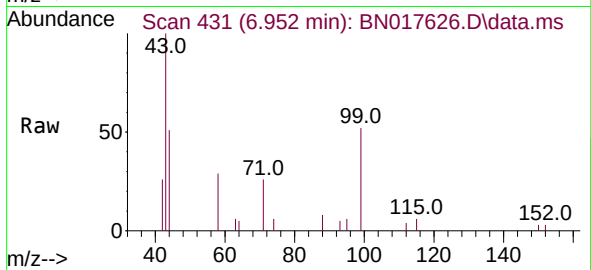
Tgt Ion:112 Resp: 130
Ion Ratio Lower Upper
112 100
64 60.0 47.6 71.4
63 36.9 24.6 37.0





#5
Phenol-d6
Concen: 0.022 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.009 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

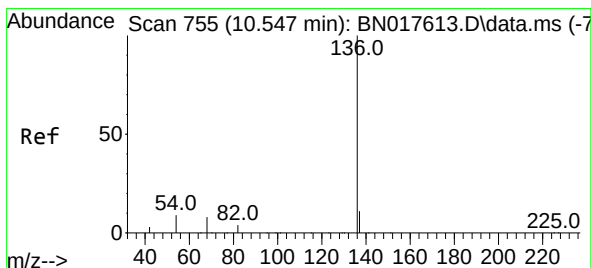
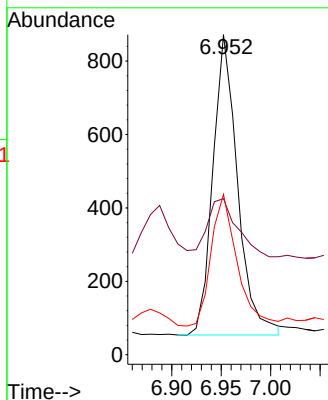
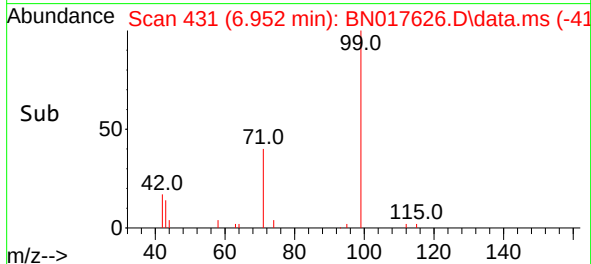
Instrument :
BNA_N
ClientSampleId :
CS-1A



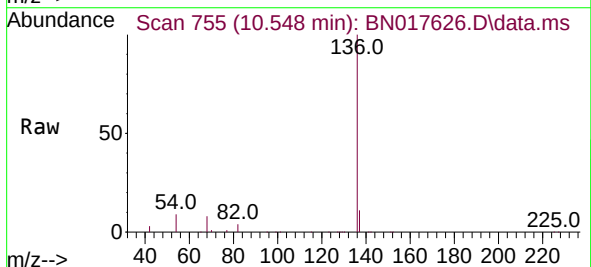
Tgt Ion: 99 Resp: 1419
Ion Ratio Lower Upper
99 100
42 23.5 17.0 25.6
71 46.2 24.8 37.2

Manual Integrations
APPROVED

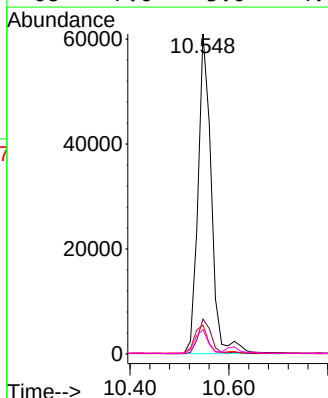
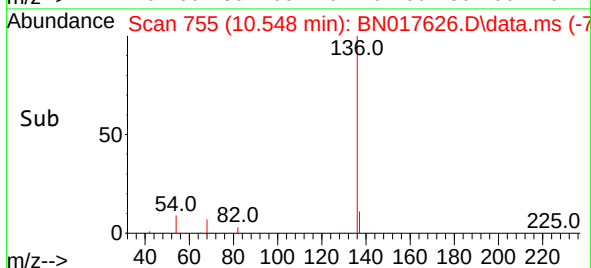
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

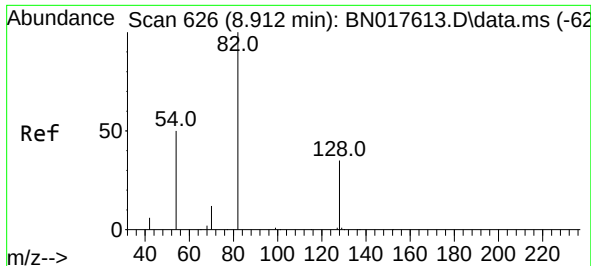


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.548 min Scan# 755
Delta R.T. 0.001 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36



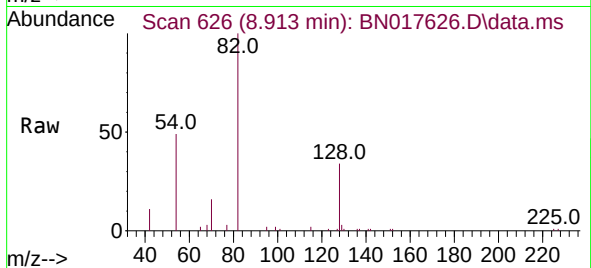
Tgt Ion:136 Resp: 113847
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.0 4.0 6.0#
68 7.6 3.0 4.6#





#8
Nitrobenzene-d5
Concen: 0.218 ng
RT: 8.913 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

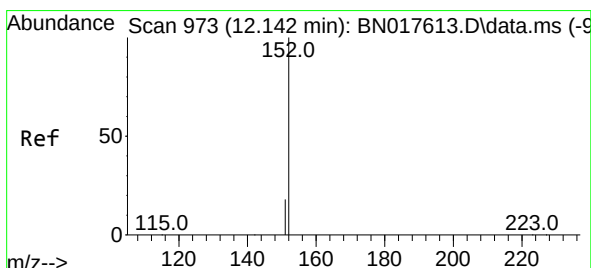
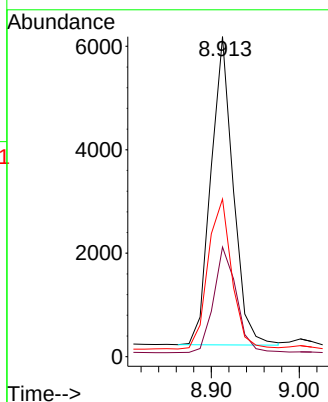
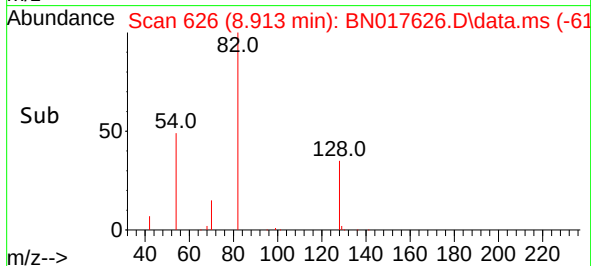
Instrument :
BNA_N
ClientSampleId :
CS-1A



Tgt Ion: 82 Resp: 1051
Ion Ratio Lower Upper
82 100
128 34.2 27.7 41.5
54 49.2 49.2 73.8

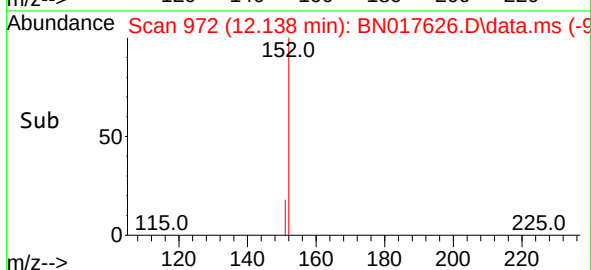
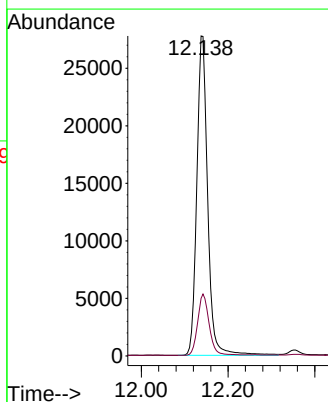
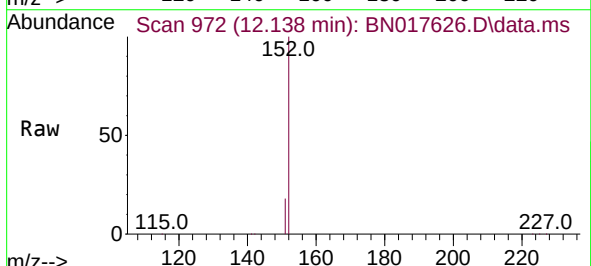
Manual Integrations
APPROVED

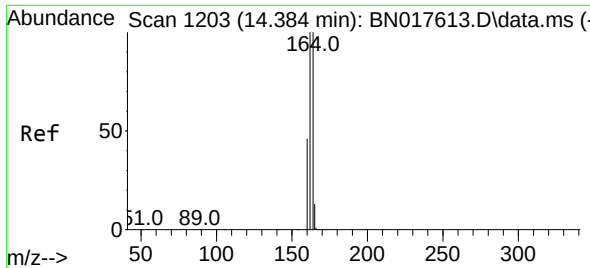
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#11
2-Methylnaphthalene-d10
Concen: 0.244 ng
RT: 12.138 min Scan# 972
Delta R.T. -0.004 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

Tgt Ion:152 Resp: 48414
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4





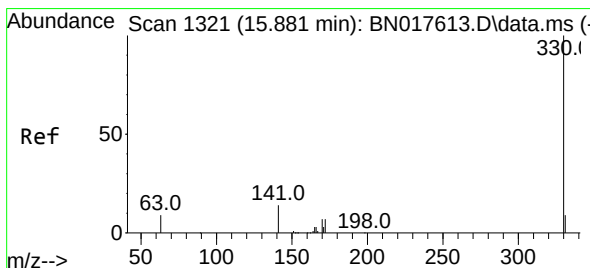
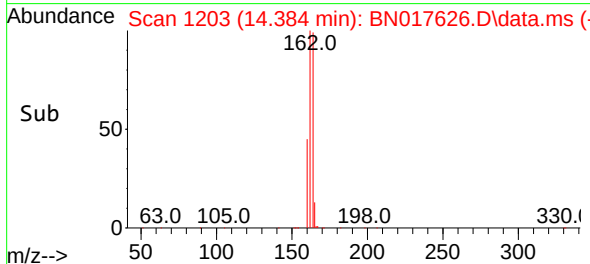
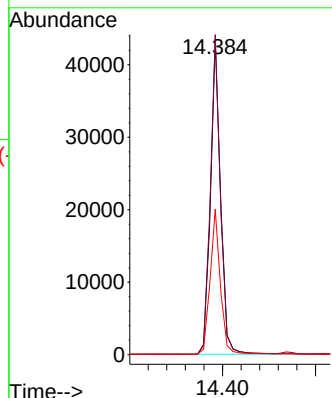
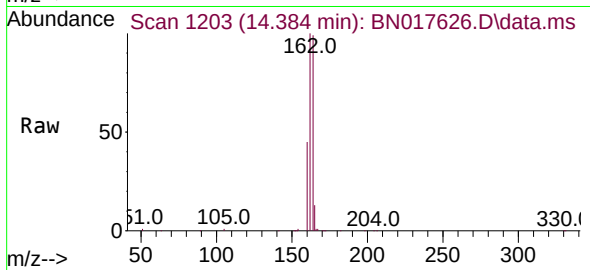
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.384 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

Instrument :
BNA_N
ClientSampleId :
CS-1A

Tgt Ion:164 Resp: 65750
Ion Ratio Lower Upper
164 100
162 101.4 81.4 122.2
160 46.1 36.8 55.2

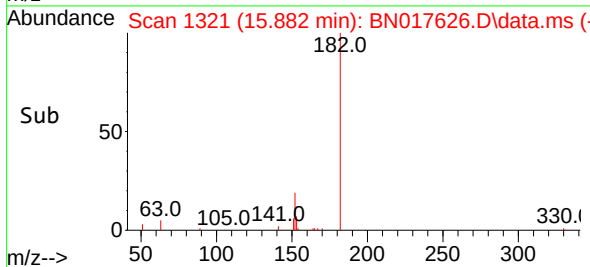
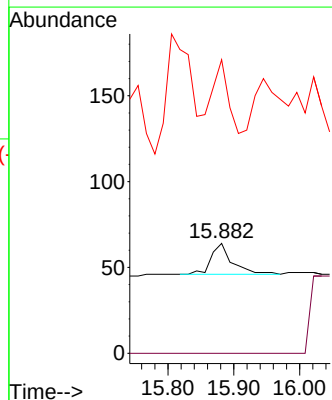
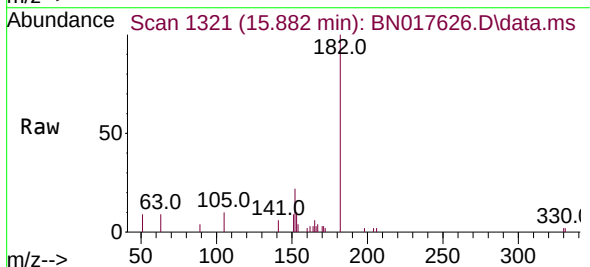
Manual Integrations
APPROVED

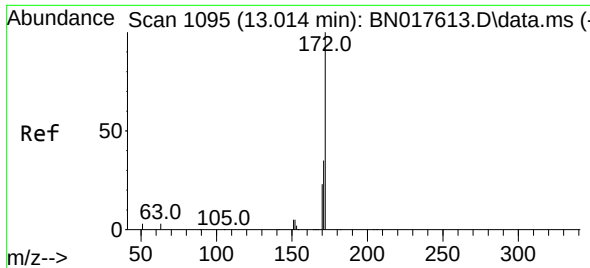
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.882 min Scan# 1321
Delta R.T. 0.001 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

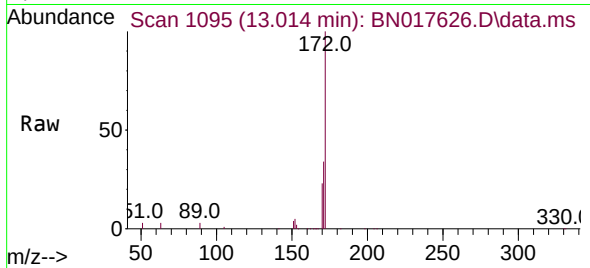
Tgt Ion:330 Resp: 40
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 162.5 28.9 43.3#





#15
2-Fluorobiphenyl
Concen: 0.244 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

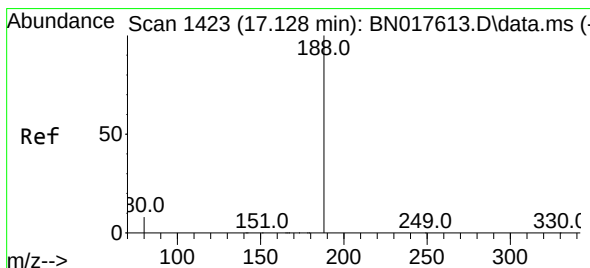
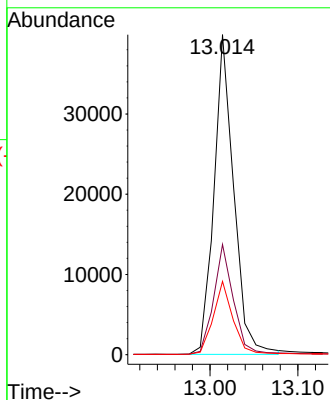
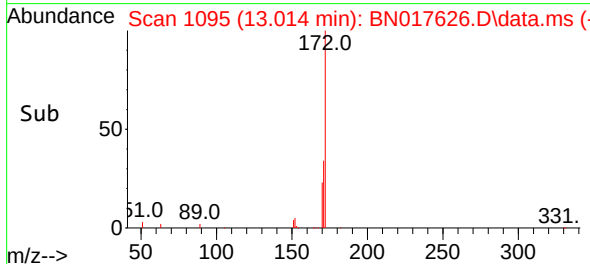
Instrument :
BNA_N
ClientSampleId :
CS-1A



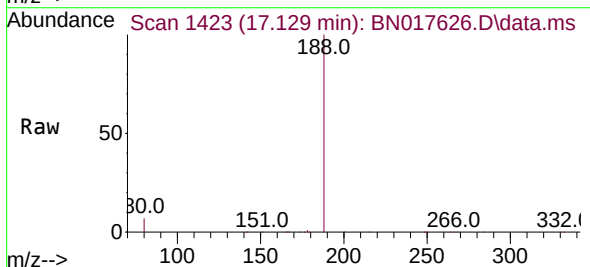
Tgt Ion:172 Resp: 6235
Ion Ratio Lower Upper
172 100
171 34.4 28.7 43.1
170 22.9 19.4 29.2

Manual Integrations
APPROVED

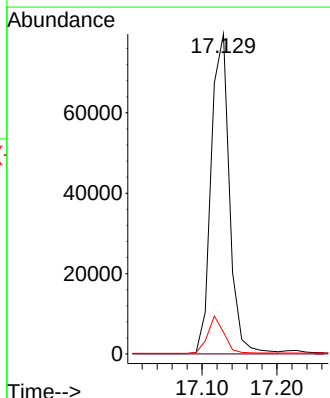
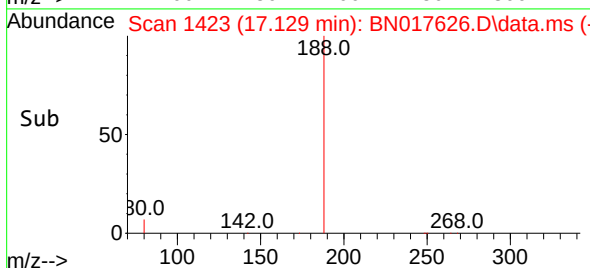
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

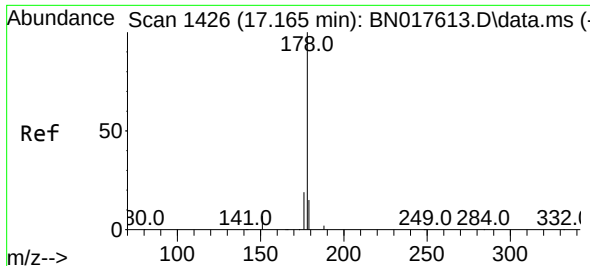


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.129 min Scan# 1423
Delta R.T. 0.001 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36



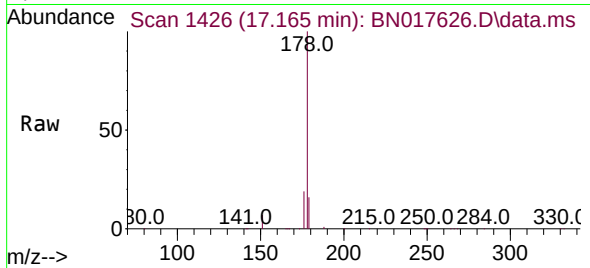
Tgt Ion:188 Resp: 134938
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.8 6.1 9.1





#25
Phenanthrene
Concen: 0.511 ng m
RT: 17.165 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

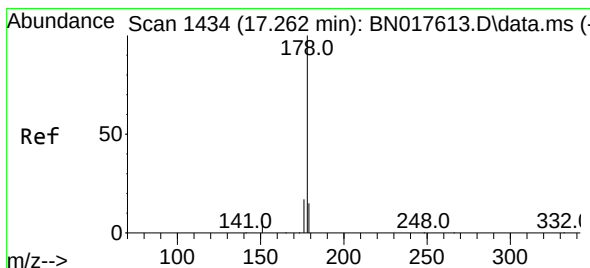
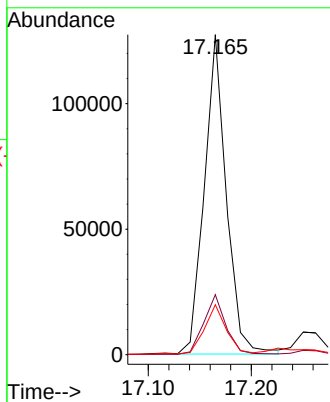
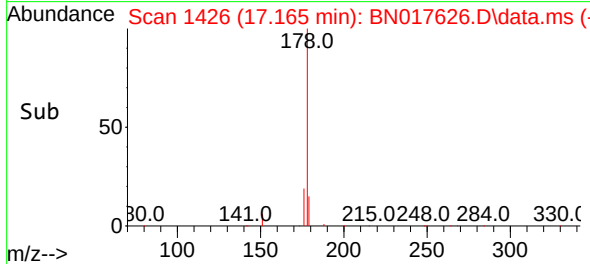
Instrument :
BNA_N
ClientSampleId :
CS-1A



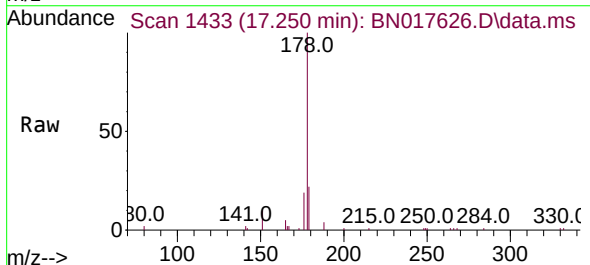
Tgt Ion:178 Resp: 18908
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.7 12.3 18.5

Manual Integrations
APPROVED

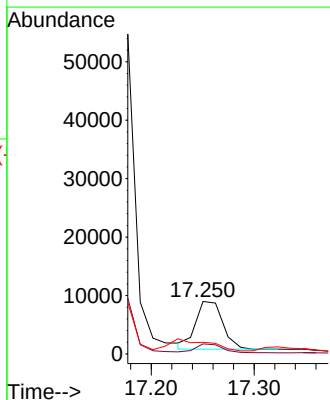
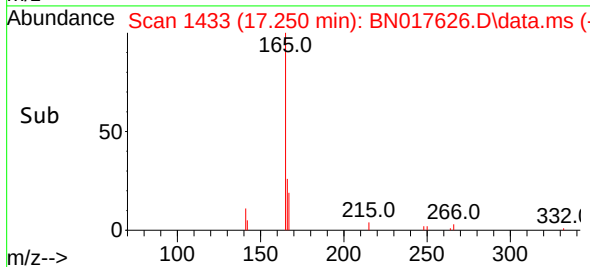
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

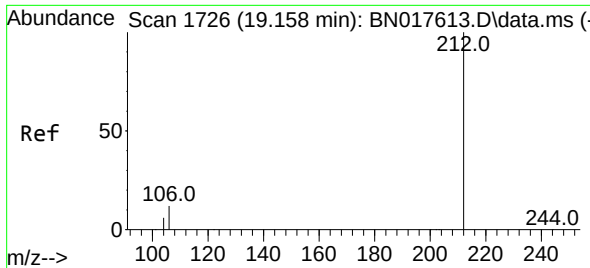


#26
Anthracene
Concen: 0.047 ng
RT: 17.250 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36



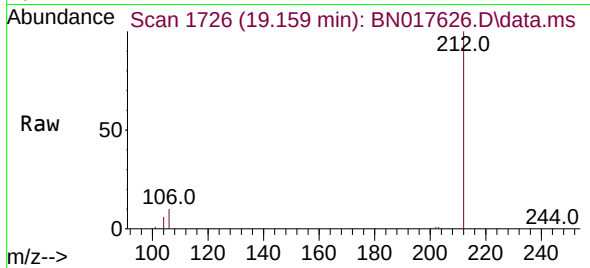
Tgt Ion:178 Resp: 14955
Ion Ratio Lower Upper
178 100
176 21.9 14.6 22.0
179 0.0 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.267 ng
RT: 19.159 min Scan# 1726
Delta R.T. 0.001 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

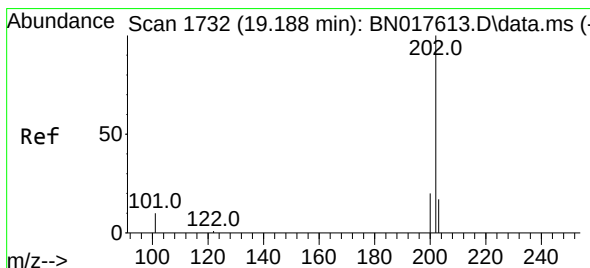
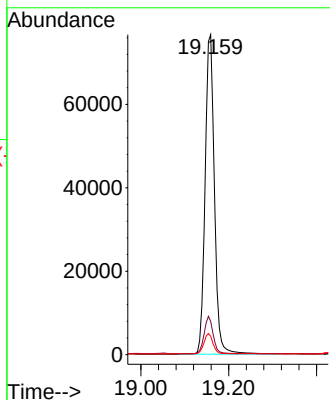
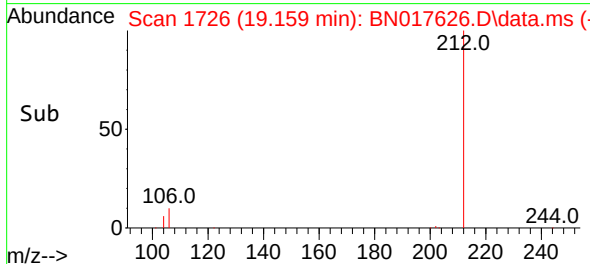
Instrument :
BNA_N
ClientSampleId :
CS-1A



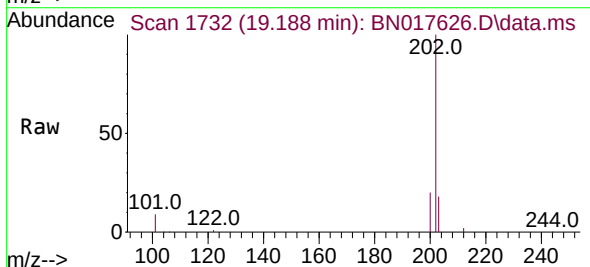
Tgt Ion:212 Resp: 112777
Ion Ratio Lower Upper
212 100
106 11.1 10.5 15.7
104 6.3 5.8 8.6

Manual Integrations
APPROVED

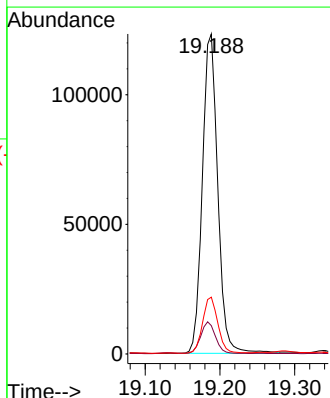
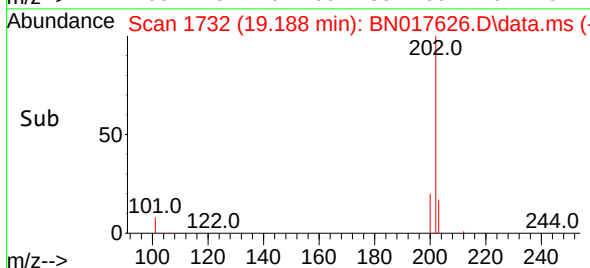
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

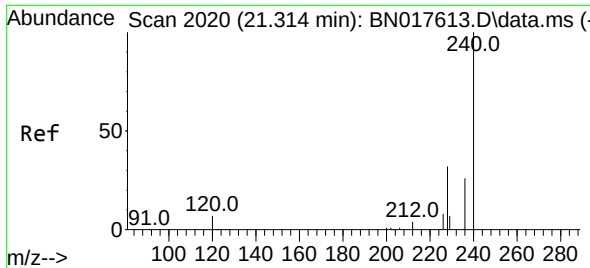


#28
Fluoranthene
Concen: 0.421 ng
RT: 19.188 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36



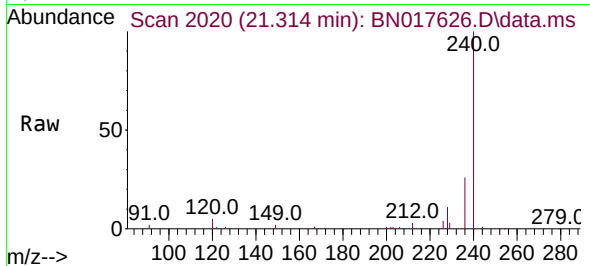
Tgt Ion:202 Resp: 176454
Ion Ratio Lower Upper
202 100
101 9.5 8.9 13.3
203 17.2 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.314 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

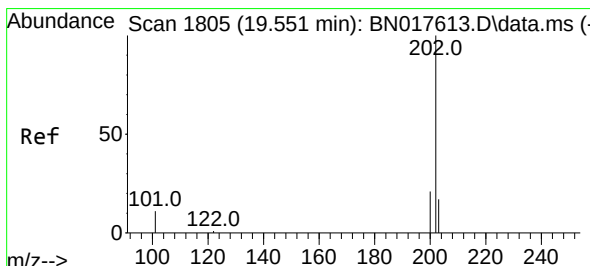
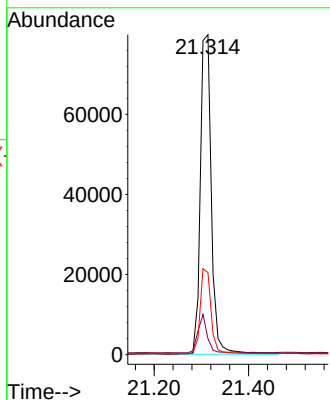
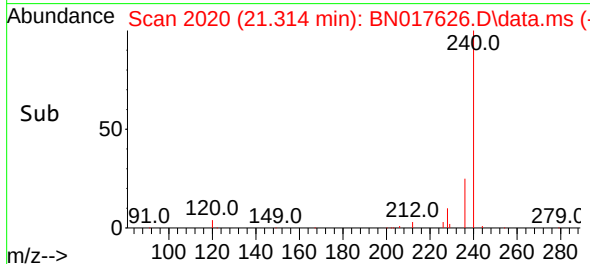
Instrument :
BNA_N
ClientSampleId :
CS-1A



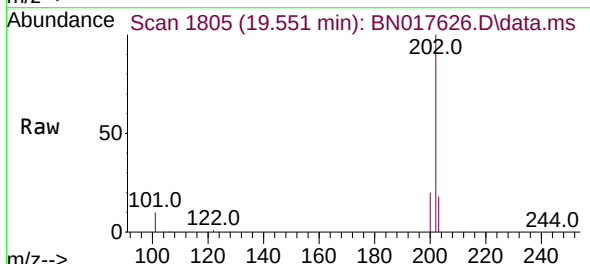
Tgt Ion:240 Resp: 12934
Ion Ratio Lower Upper
240 100
120 5.0 4.2 6.2
236 25.7 20.0 30.0

Manual Integrations
APPROVED

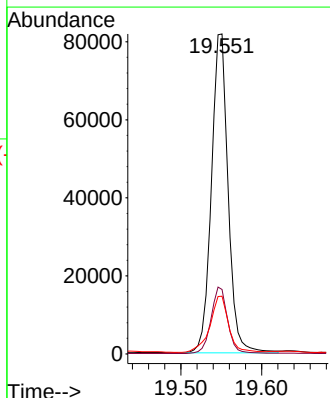
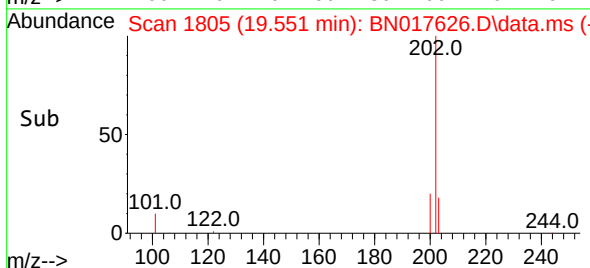
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

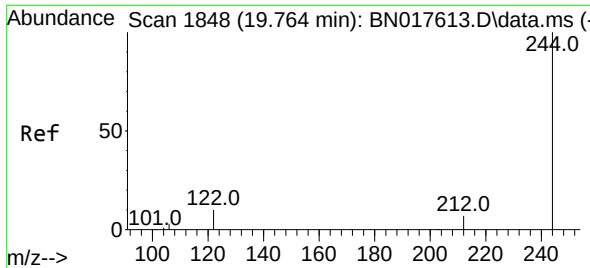


#30
Pyrene
Concen: 0.282 ng
RT: 19.551 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36



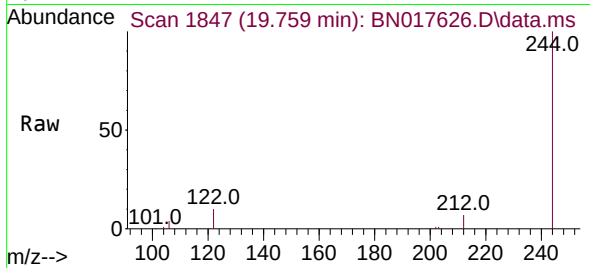
Tgt Ion:202 Resp: 117936
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 19.8 14.0 21.0





#31
 Terphenyl-d14
 Concen: 0.274 ng
 RT: 19.759 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BN017626.D
 Acq: 30 Nov 2021 23:36

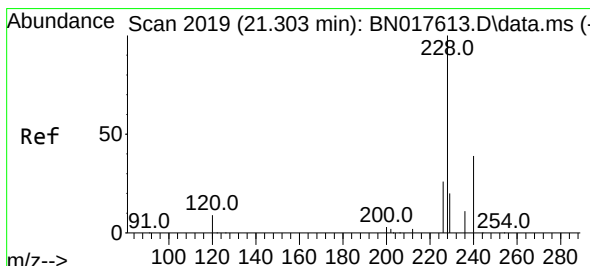
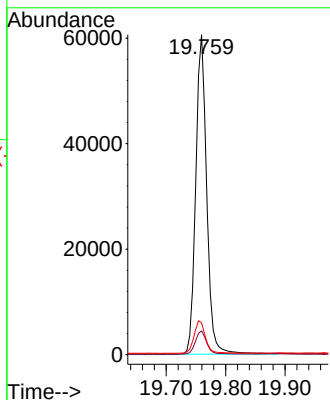
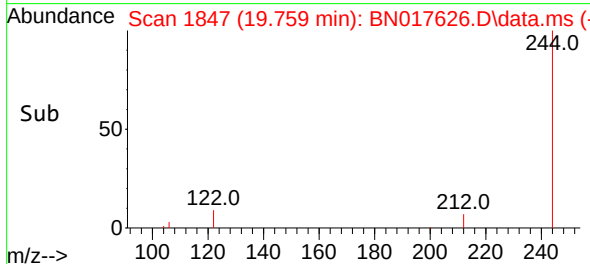
Instrument :
 BNA_N
 ClientSampleId :
 CS-1A



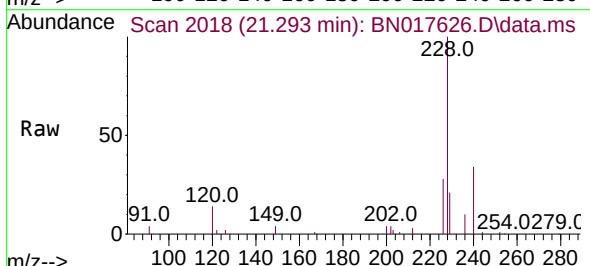
Tgt Ion:244 Resp: 77658
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.7 8.5
 122 9.9 8.6 13.0

Manual Integrations
 APPROVED

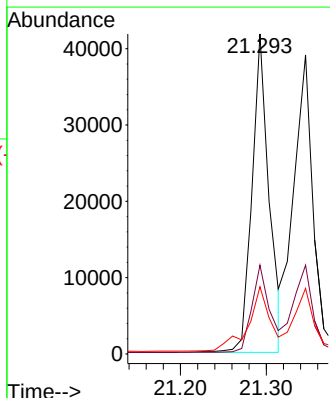
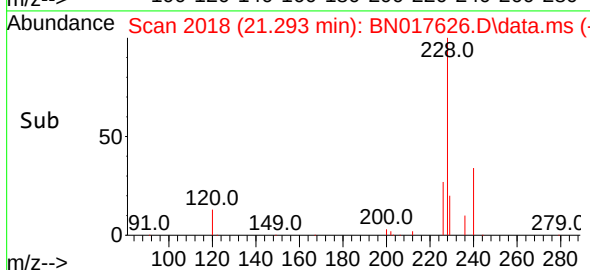
Reviewed By :Jagrut Upadhyay 12/01/2021
 Supervised By :mohammad ahmed 12/05/2021

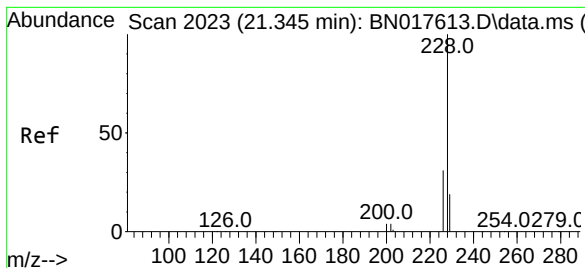


#32
 Benzo(a)anthracene
 Concen: 0.147 ng
 RT: 21.293 min Scan# 2018
 Delta R.T. -0.010 min
 Lab File: BN017626.D
 Acq: 30 Nov 2021 23:36



Tgt Ion:228 Resp: 57856
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.3 31.9
 229 21.0 15.7 23.5





#33

Chrysene

Concen: 0.141 ng

RT: 21.346 min Scan# 2023

Delta R.T. 0.001 min

Lab File: BN017626.D

Acq: 30 Nov 2021 23:36

Instrument :

BNA_N

ClientSampleId :

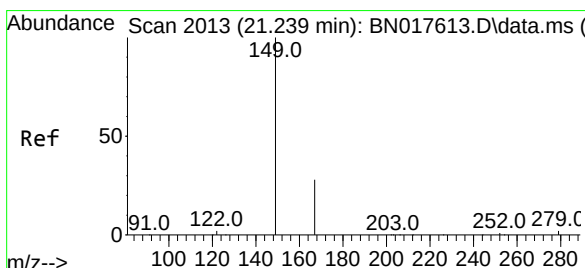
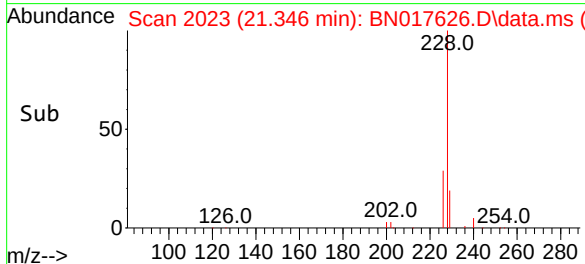
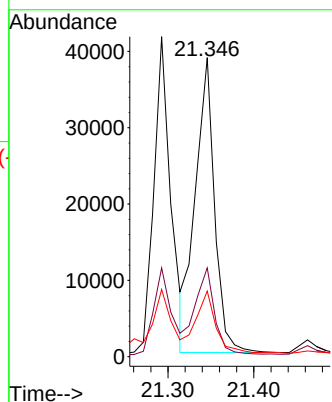
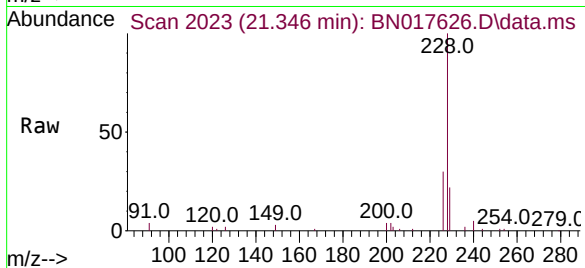
CS-1A

Tgt Ion:228	Resp: 6029
Ion Ratio	Lower Upper
228 100	
226 29.7	23.3 34.9
229 22.0	15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.350 ng

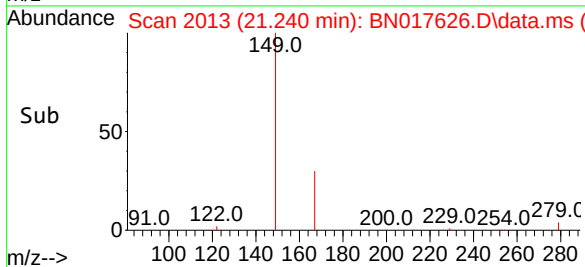
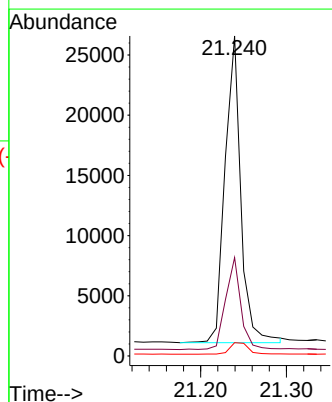
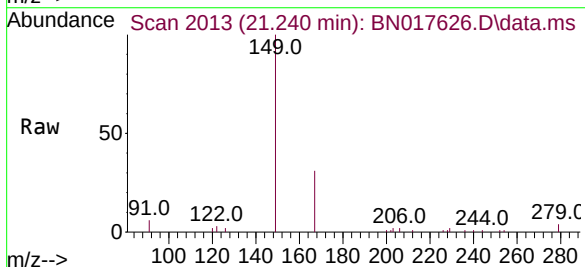
RT: 21.240 min Scan# 2013

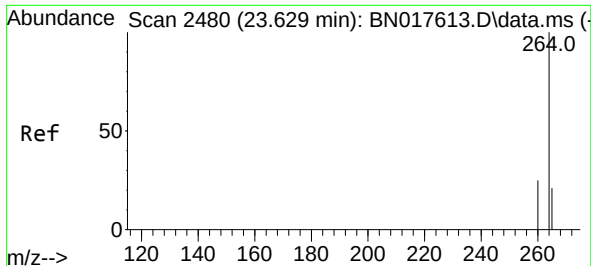
Delta R.T. 0.000 min

Lab File: BN017626.D

Acq: 30 Nov 2021 23:36

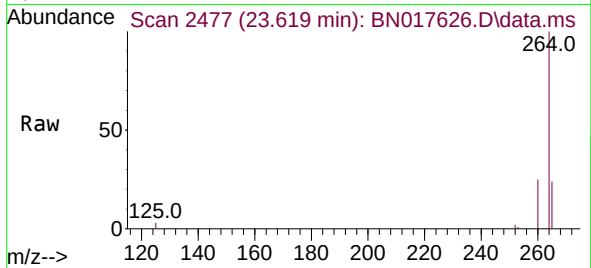
Tgt Ion:149	Resp: 32595
Ion Ratio	Lower Upper
149 100	
167 29.1	21.8 32.6
279 4.3	3.4 5.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.619 min Scan# 2480
Delta R.T. -0.010 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

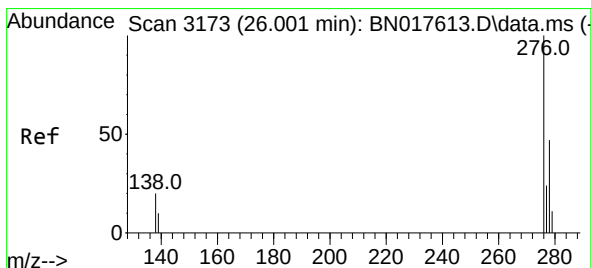
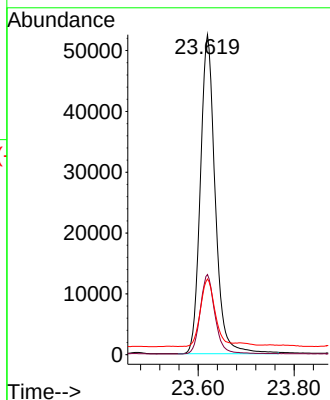
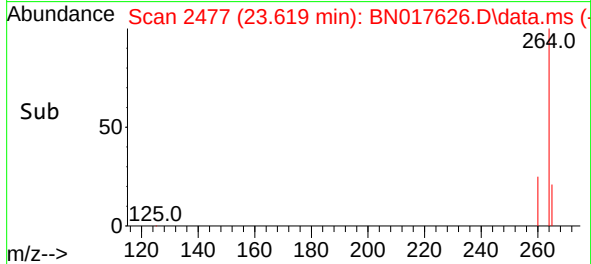
Instrument :
BNA_N
ClientSampleId :
CS-1A



Tgt Ion:264 Resp: 112578
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 23.7 18.6 28.0

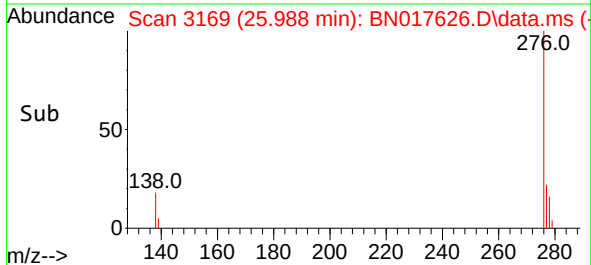
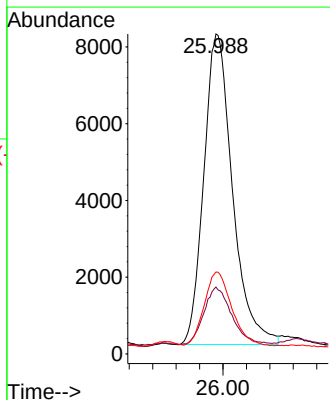
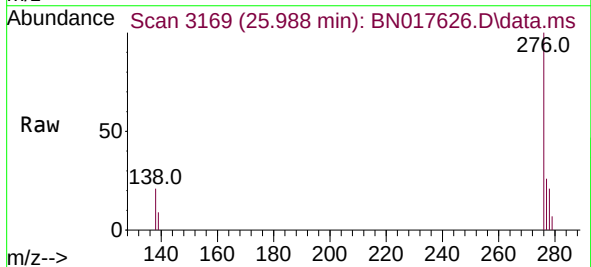
Manual Integrations
APPROVED

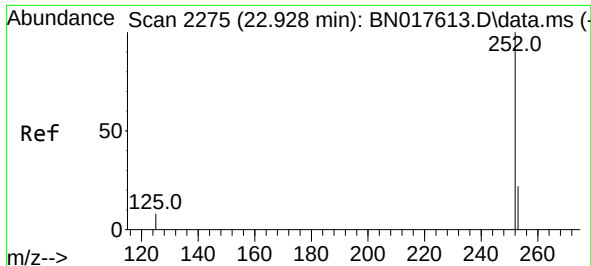
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.075 ng
RT: 25.988 min Scan# 3169
Delta R.T. -0.013 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

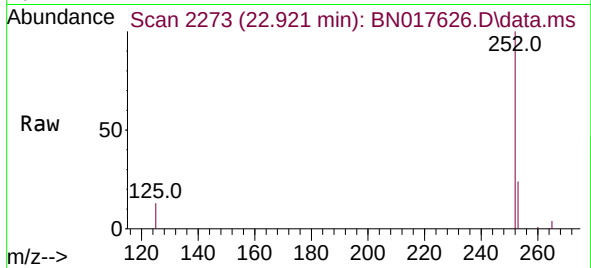
Tgt Ion:276 Resp: 27508
Ion Ratio Lower Upper
276 100
138 18.1 19.7 29.5#
277 22.8 20.0 30.0





#37
Benzo(b)fluoranthene
Concen: 0.182 ng
RT: 22.921 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

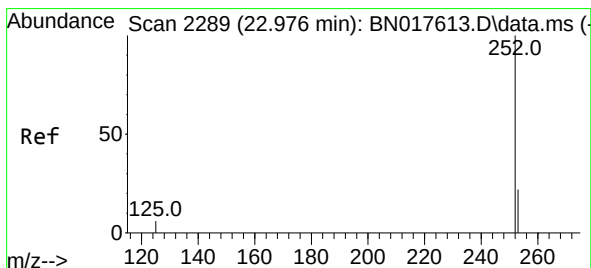
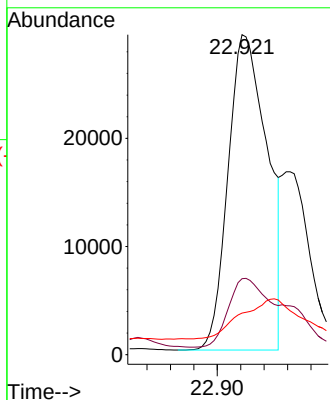
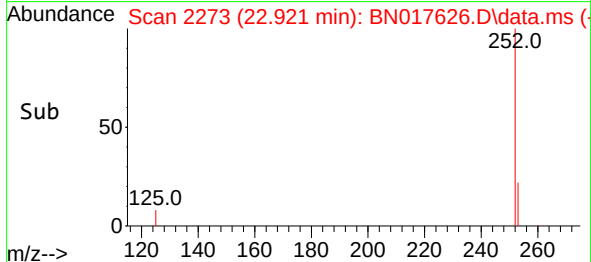
Instrument :
BNA_N
ClientSampleId :
CS-1A



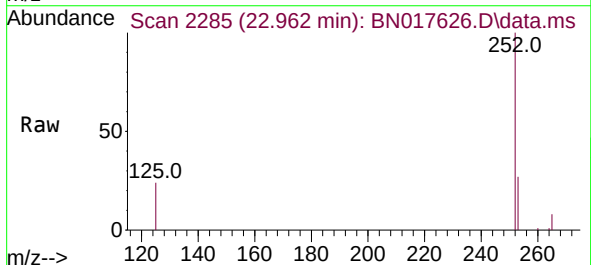
Tgt Ion:252 Resp: 6779
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 13.0 7.8 11.8

Manual Integrations
APPROVED

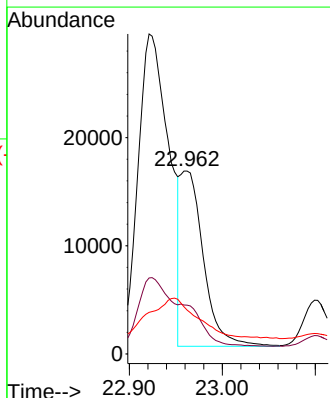
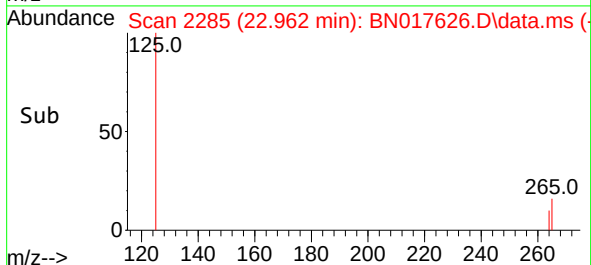
Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021

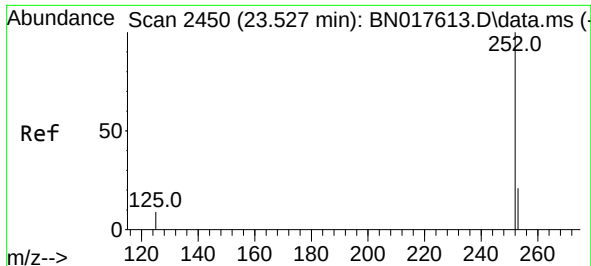


#38
Benzo(k)fluoranthene
Concen: 0.074 ng m
RT: 22.962 min Scan# 2285
Delta R.T. -0.013 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36



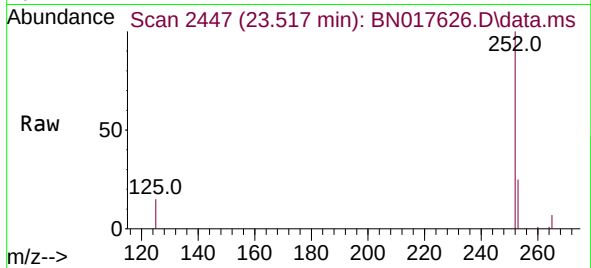
Tgt Ion:252 Resp: 28195
Ion Ratio Lower Upper
252 100
253 26.7 17.7 26.5#
125 23.9 8.2 12.2#





#39
Benzo(a)pyrene
Concen: 0.115 ng
RT: 23.517 min Scan# 2450
Delta R.T. -0.010 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

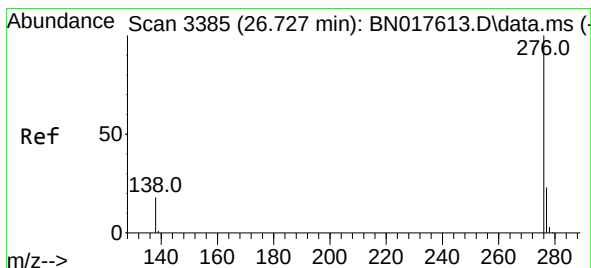
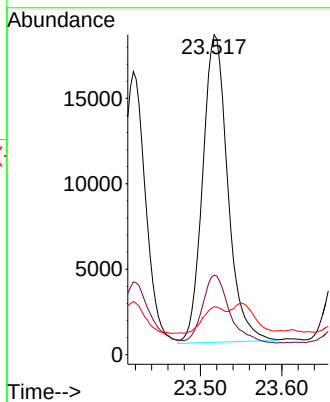
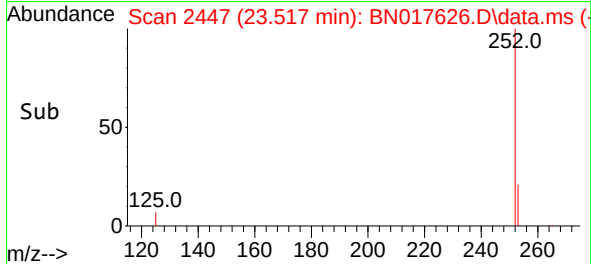
Instrument :
BNA_N
ClientSampleId :
CS-1A



Tgt Ion:252 Resp: 38519
Ion Ratio Lower Upper
252 100
253 24.8 17.9 26.9
125 15.0 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/01/2021
Supervised By :mohammad ahmed 12/05/2021



#41
Benzo(g,h,i)perylene
Concen: 0.089 ng
RT: 26.714 min Scan# 3381
Delta R.T. -0.013 min
Lab File: BN017626.D
Acq: 30 Nov 2021 23:36

Tgt Ion:276 Resp: 27430
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.4
138 19.8 17.1 25.7

