

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
 Data File : BN018201.D
 Acq On : 24 Dec 2021 04:37
 Operator : CG/JU
 Sample : M5107-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-10

Manual Integrations
 APPROVED

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

Quant Time: Dec 24 23:34:19 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 23 14:22:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.624	152	27523	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	118162	0.400	ng	# 0.00
13) Acenaphthene-d10	14.256	164	77590	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	157182	0.400	ng	0.00
29) Chrysene-d12	21.196	240	97738	0.400	ng	# 0.00
35) Perylene-d12	23.437	264	116080	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.263	112	70	0.001	ng	0.04
5) Phenol-d6	6.822	99	1875	0.029	ng	0.00
8) Nitrobenzene-d5	8.759	82	22875m	0.288	ng	-0.01
11) 2-Methylnaphthalene-d10	11.994	152	47687	0.235	ng	0.00
14) 2,4,6-Tribromophenol	15.779	330	173	0.184	ng	0.03
15) 2-Fluorobiphenyl	12.873	172	72834	0.251	ng	-0.01
27) Fluoranthene-d10	19.033	212	102676	0.206	ng	0.00
31) Terphenyl-d14	19.639	244	73987	0.344	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.445	128	13871	0.048	ng	96
12) 2-Methylnaphthalene	12.065	142	5186	0.027	ng	95
25) Phenanthrene	17.030	178	50825m	0.122	ng	
28) Fluoranthene	19.063	202	60620	0.124	ng	97
30) Pyrene	19.425	202	60673	0.193	ng	96
32) Benzo(a)anthracene	21.174	228	13251	0.047	ng	# 1
33) Chrysene	21.227	228	27452	0.089	ng	# 27
34) Bis(2-ethylhexyl)phtha...	21.132	149	637518	4.282	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.709	276	7879	0.023	ng	# 82
37) Benzo(b)fluoranthene	22.766	252	22188m	0.062	ng	
38) Benzo(k)fluoranthene	22.793	252	12702m	0.035	ng	
39) Benzo(a)pyrene	23.337	252	7975	0.025	ng	# 1
40) Dibenzo(a,h)anthracene	25.726	278	2328	0.038	ng	# 1
41) Benzo(g,h,i)perylene	26.397	276	11577	0.037	ng	# 1

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

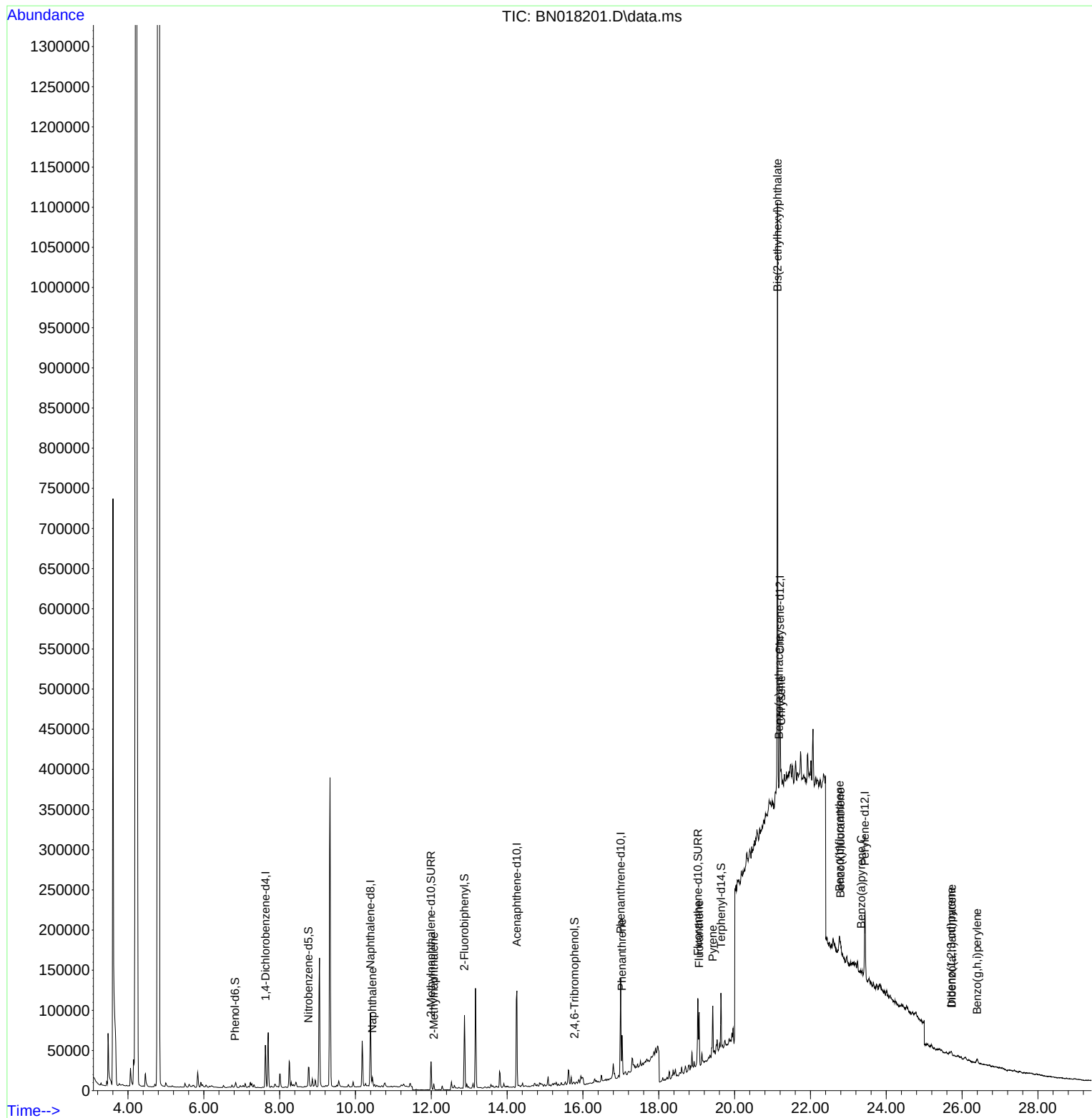
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
Data File : BN018201.D
Acq On : 24 Dec 2021 04:37
Operator : CG/JU
Sample : M5107-10
Misc :
ALS Vial : 30 Sample Multiplier: 1

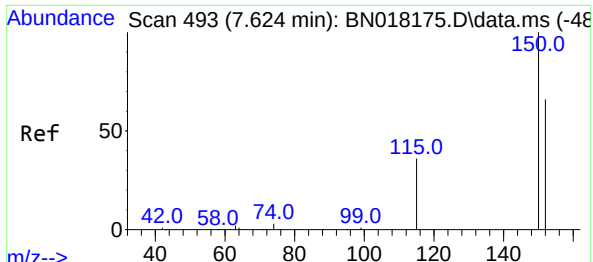
Instrument :
BNA_N
ClientSampleId :
OB-CS-10

Manual Integrations
APPROVED

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

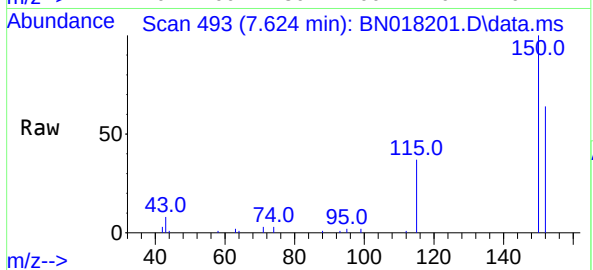
Quant Time: Dec 24 23:34:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 23 14:22:48 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.624 min Scan# 493
Delta R.T. -0.000 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

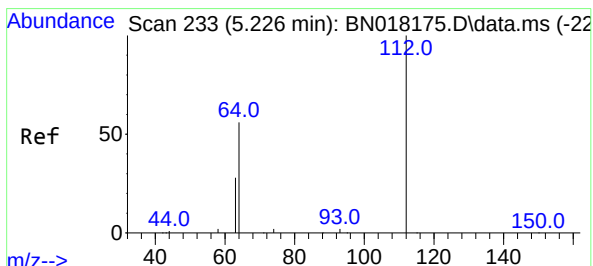
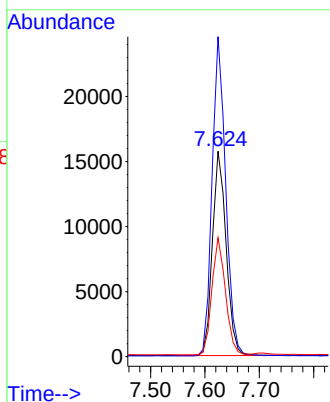
Instrument :
BNA_N
ClientSampleId :
OB-CS-10



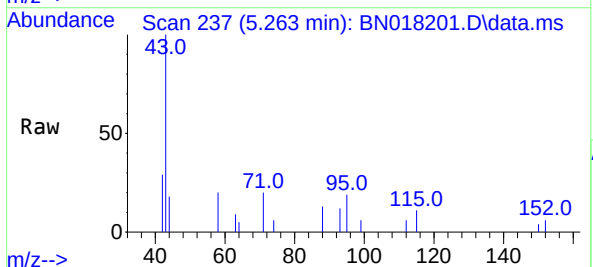
Tgt Ion:152 Resp: 2752
Ion Ratio Lower Upper
152 100
150 155.8 121.7 182.5
115 57.8 43.8 65.8

Manual Integrations
APPROVED

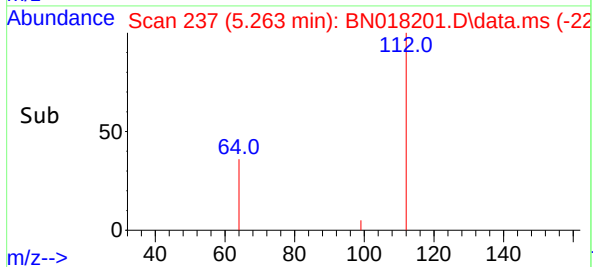
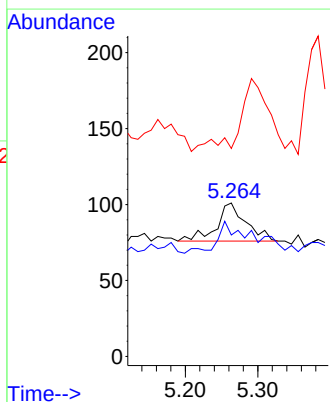
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

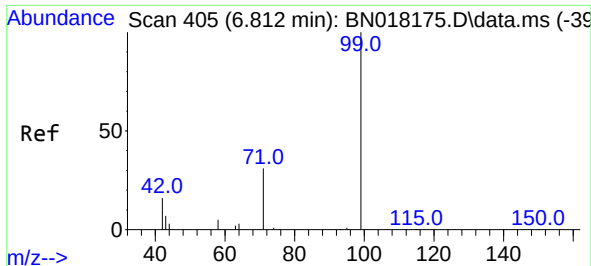


#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.263 min Scan# 237
Delta R.T. 0.037 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37



Tgt Ion:112 Resp: 70
Ion Ratio Lower Upper
112 100
64 101.4 48.0 72.0#
63 0.0 25.3 37.9#





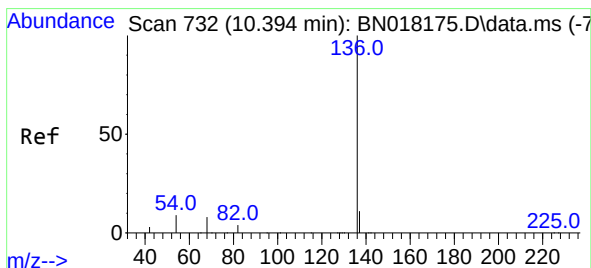
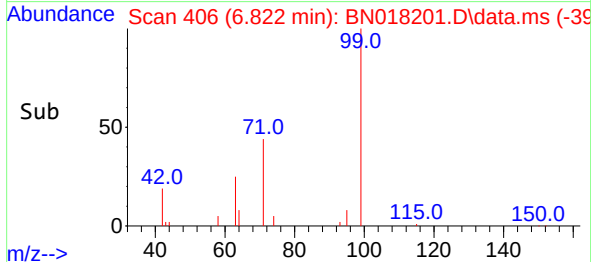
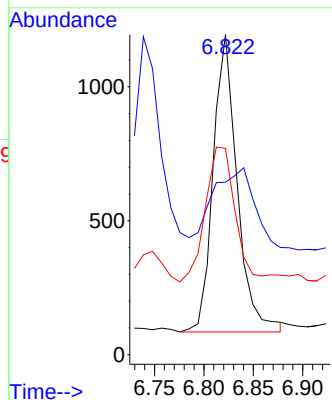
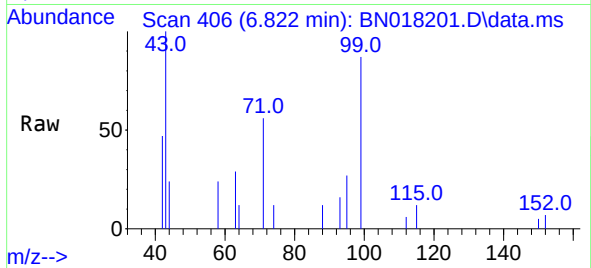
#5
Phenol-d6
Concen: 0.029 ng
RT: 6.822 min Scan# 405
Delta R.T. 0.010 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

Instrument :
BNA_N
ClientSampleId :
OB-CS-10

Tgt Ion: 99 Resp: 1875
Ion Ratio Lower Upper
99 100
42 0.0 16.3 24.5
71 55.5 26.8 40.2

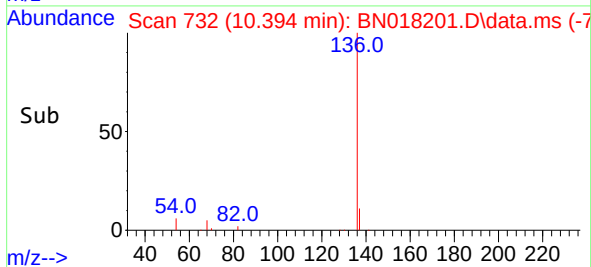
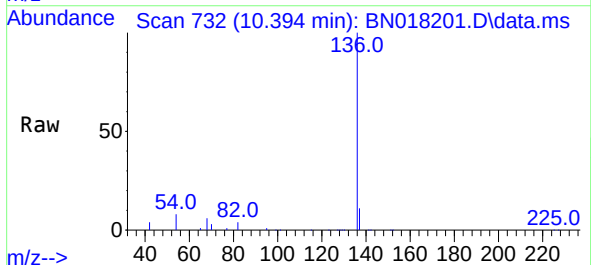
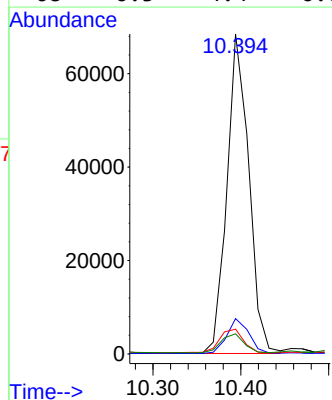
Manual Integrations
APPROVED

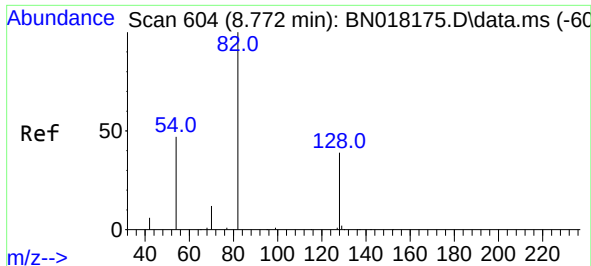
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 732
Delta R.T. 0.000 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

Tgt Ion:136 Resp: 118162
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.8 5.0 7.6
68 6.3 4.4 6.6





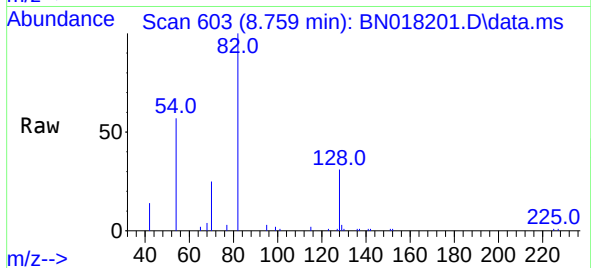
#8
Nitrobenzene-d5
Concen: 0.288 ng m
RT: 8.759 min Scan# 604
Delta R.T. -0.013 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

Instrument :

BNA_N

ClientSampleId :

OB-CS-10

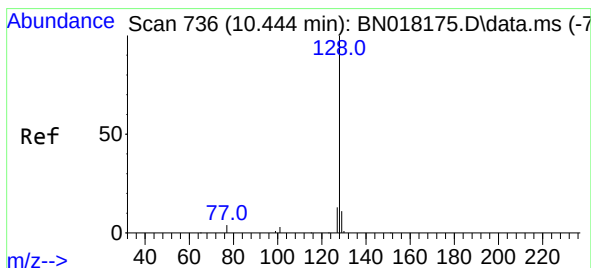
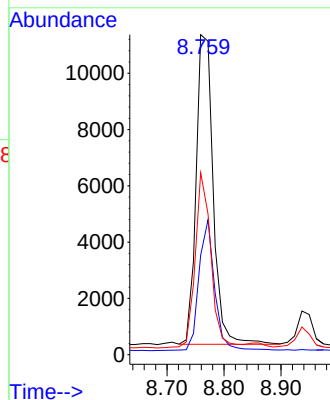
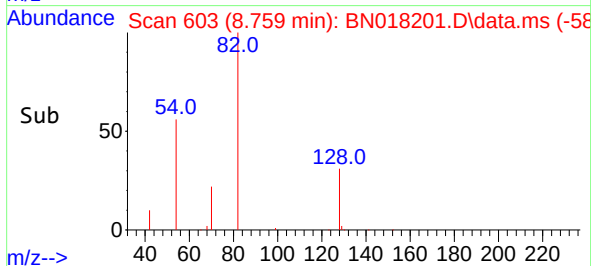


Tgt Ion: 82 Resp: 22875
Ion Ratio Lower Upper
82 100
128 31.1 33.7 50.5
54 56.9 36.6 55.0

Manual Integrations

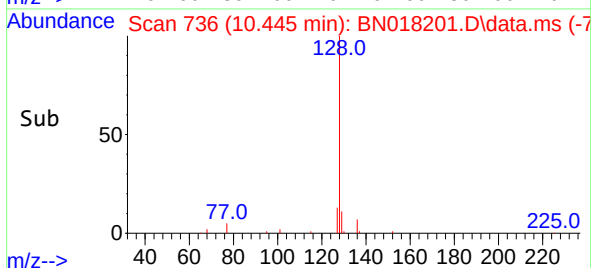
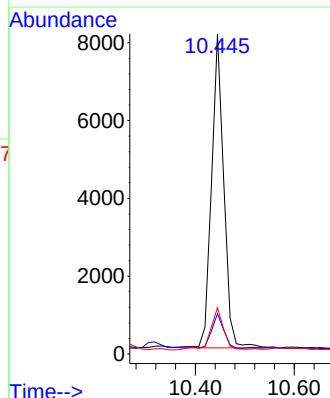
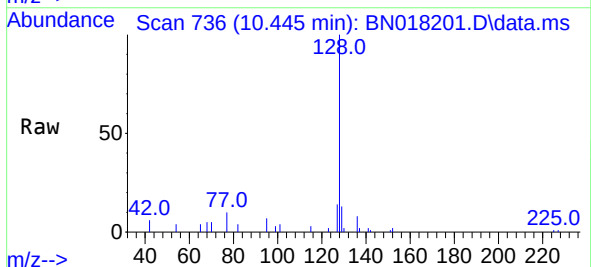
APPROVED

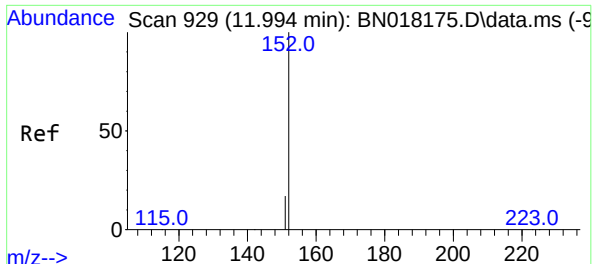
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#9
Naphthalene
Concen: 0.048 ng
RT: 10.445 min Scan# 736
Delta R.T. 0.001 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

Tgt Ion:128 Resp: 13871
Ion Ratio Lower Upper
128 100
129 12.6 8.7 13.1
127 14.4 10.4 15.6





#11

2-Methylnaphthalene-d10

Concen: 0.235 ng

RT: 11.994 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN018201.D

Acq: 24 Dec 2021 04:37

Instrument :

BNA_N

ClientSampleId :

OB-CS-10

Tgt Ion:152 Resp: 4768

Ion Ratio Lower Upper

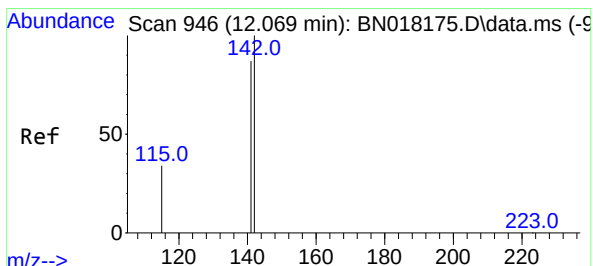
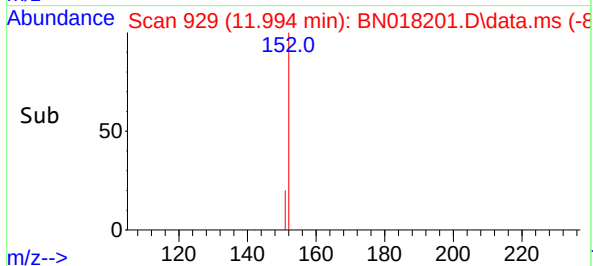
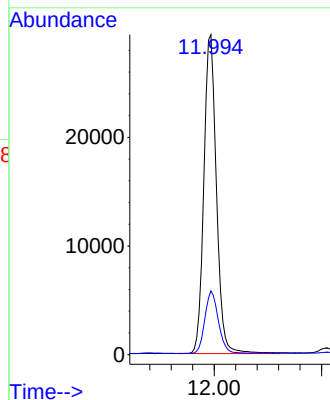
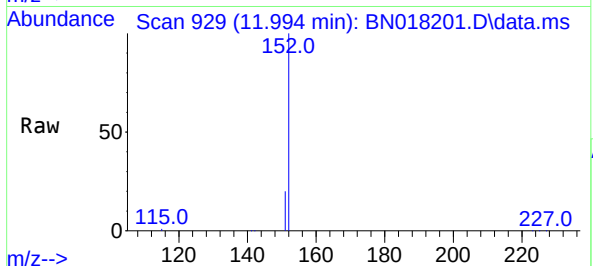
152 100

151 21.0 16.2 24.2

Manual Integrations

APPROVED

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



#12

2-Methylnaphthalene

Concen: 0.027 ng

RT: 12.065 min Scan# 945

Delta R.T. -0.004 min

Lab File: BN018201.D

Acq: 24 Dec 2021 04:37

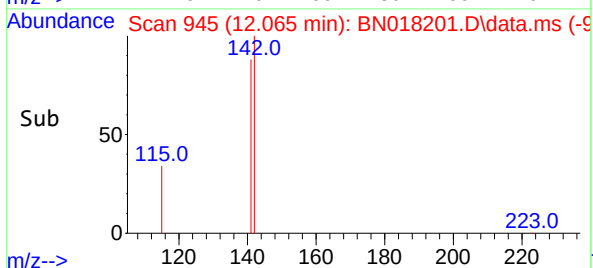
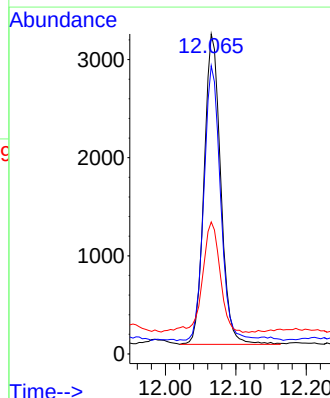
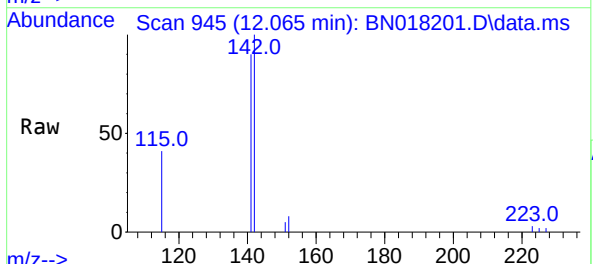
Tgt Ion:142 Resp: 5186

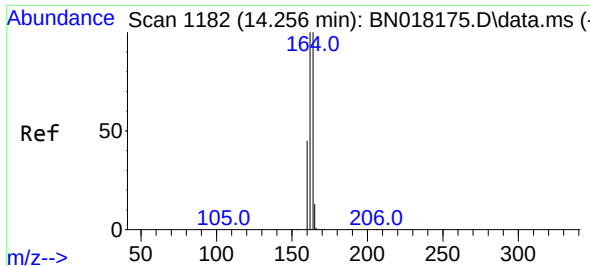
Ion Ratio Lower Upper

142 100

141 90.0 70.0 105.0

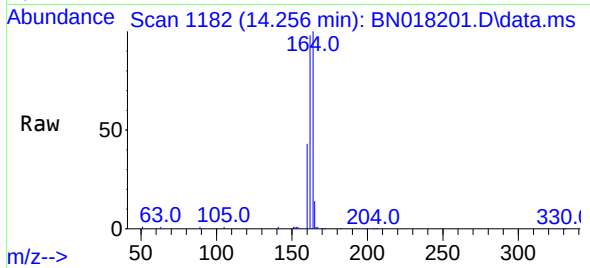
115 41.2 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

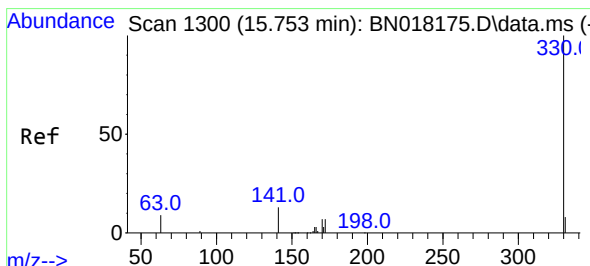
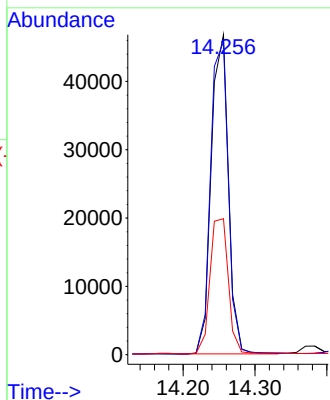
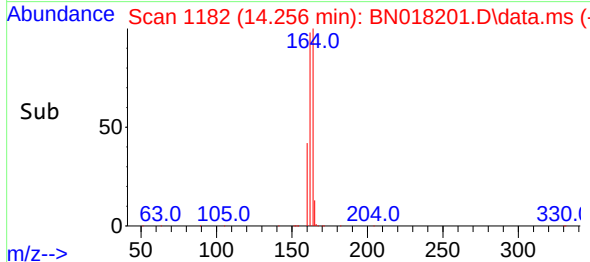
Instrument :
BNA_N
ClientSampleId :
OB-CS-10



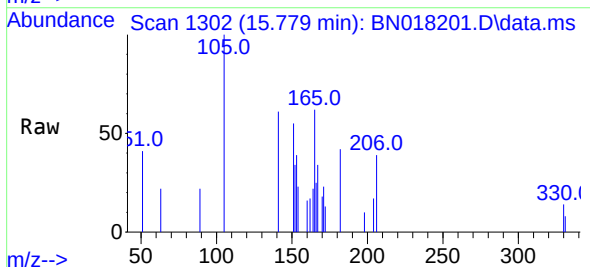
Tgt Ion:164 Resp: 77590
Ion Ratio Lower Upper
164 100
162 97.8 80.2 120.2
160 42.5 36.9 55.3

Manual Integrations
APPROVED

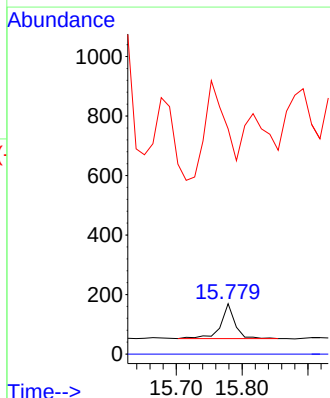
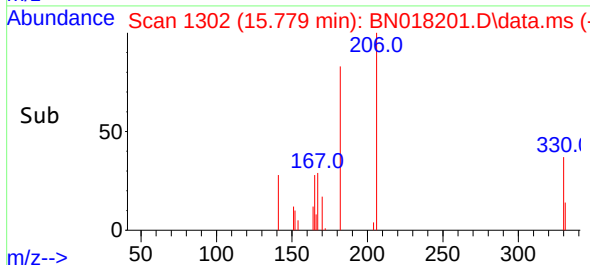
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

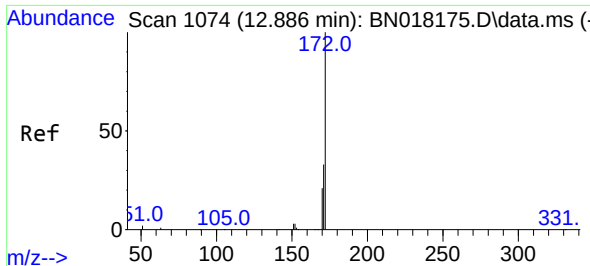


#14
2,4,6-Tribromophenol
Concen: 0.184 ng
RT: 15.779 min Scan# 1302
Delta R.T. 0.026 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37



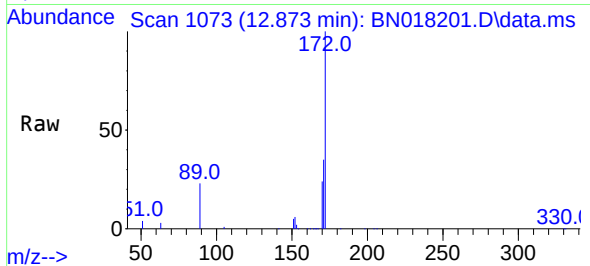
Tgt Ion:330 Resp: 173
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.251 ng
RT: 12.873 min Scan# 1073
Delta R.T. -0.013 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

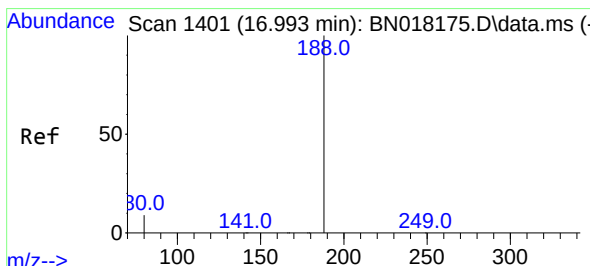
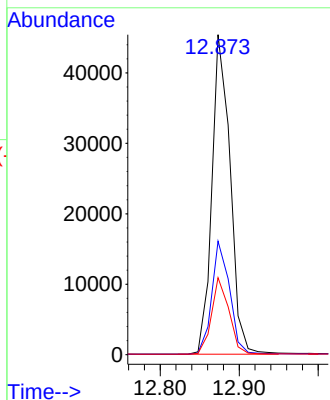
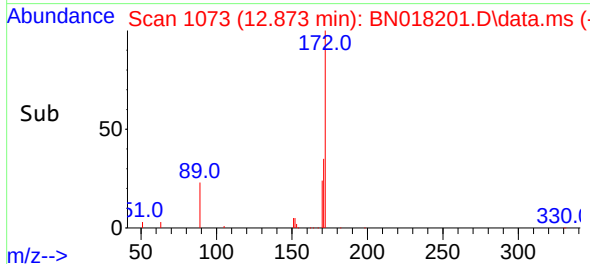
Instrument :
BNA_N
ClientSampleId :
OB-CS-10



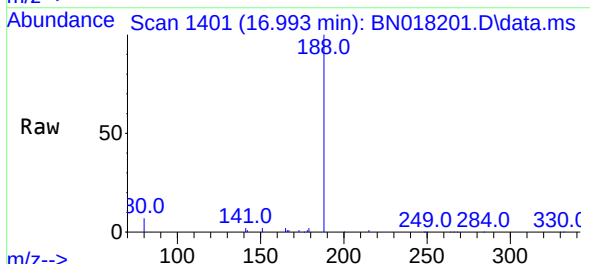
Tgt Ion:172 Resp: 72834
Ion Ratio Lower Upper
172 100
171 35.4 27.4 41.0
170 24.1 18.4 27.6

Manual Integrations
APPROVED

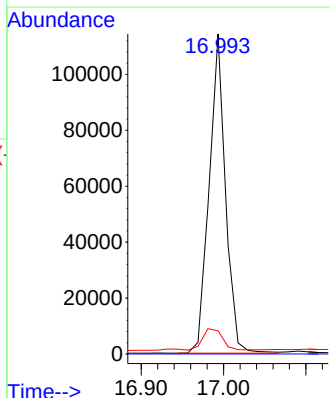
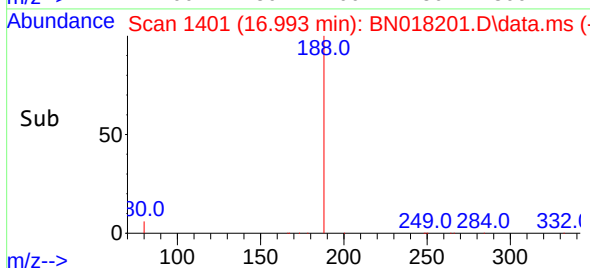
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

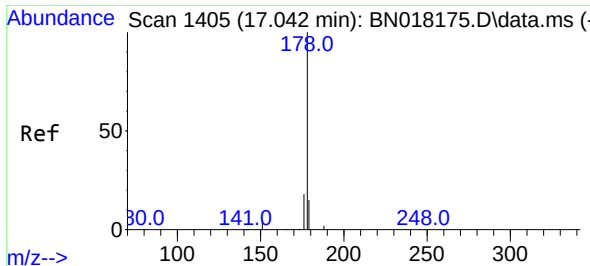


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37



Tgt Ion:188 Resp: 157182
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.3 7.0 10.4





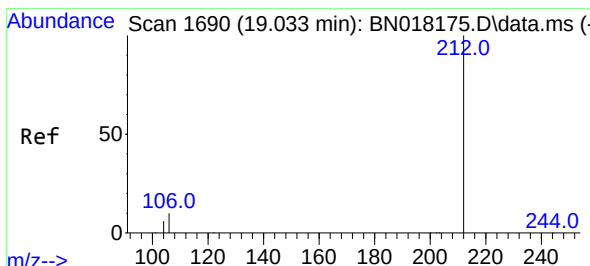
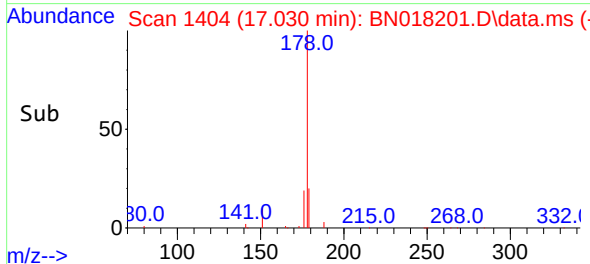
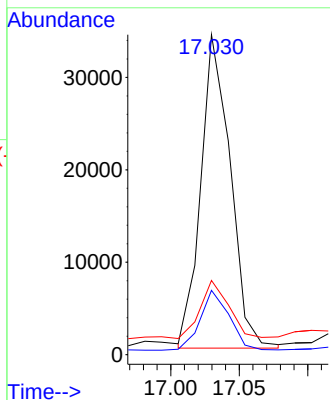
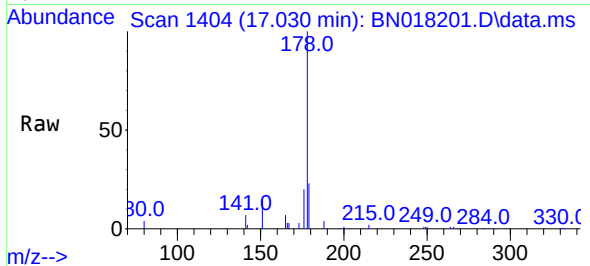
#25
Phenanthrene
Concen: 0.122 ng m
RT: 17.030 min Scan# 1405
Delta R.T. -0.012 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

Instrument :
BNA_N
ClientSampleId :
OB-CS-10

Tgt Ion:178 Resp: 50825
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 24.0 12.3 18.5

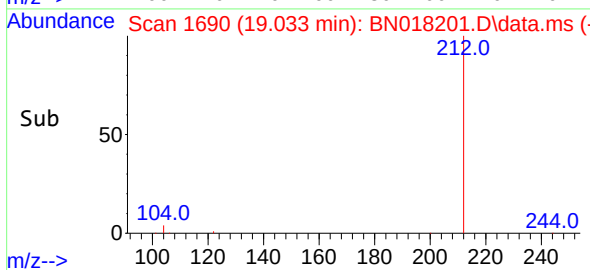
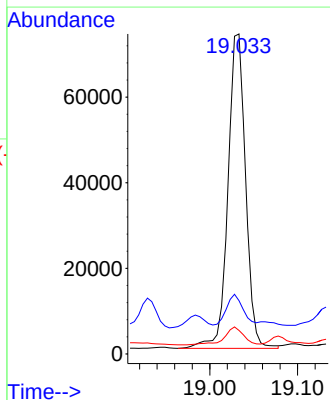
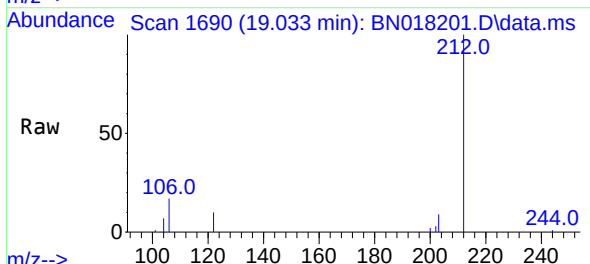
Manual Integrations
APPROVED

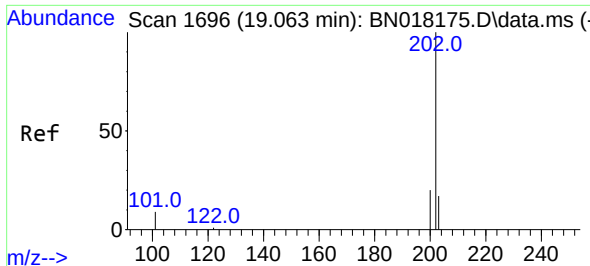
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#27
Fluoranthene-d10
Concen: 0.206 ng
RT: 19.033 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

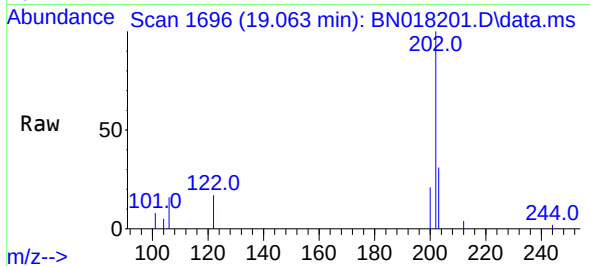
Tgt Ion:212 Resp: 102676
Ion Ratio Lower Upper
212 100
106 9.0 8.4 12.6
104 6.1 4.5 6.7





#28
Fluoranthene
Concen: 0.124 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.000 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

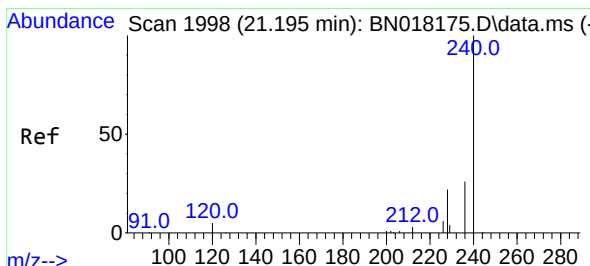
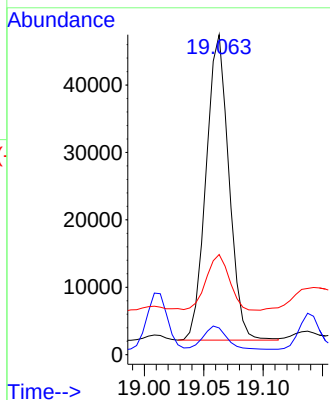
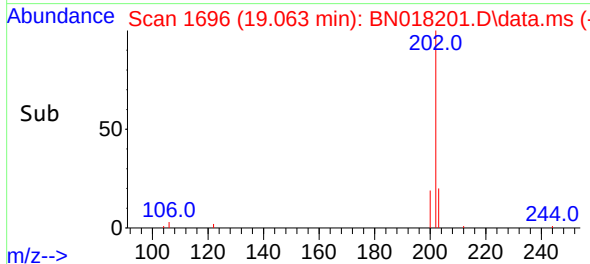
Instrument :
BNA_N
ClientSampleId :
OB-CS-10



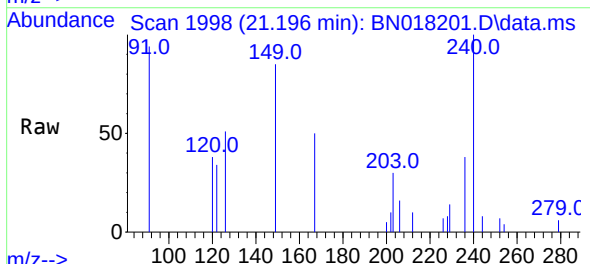
Tgt Ion:202 Resp: 60620
Ion Ratio Lower Upper
202 100
101 7.7 7.2 10.8
203 18.3 13.7 20.5

Manual Integrations
APPROVED

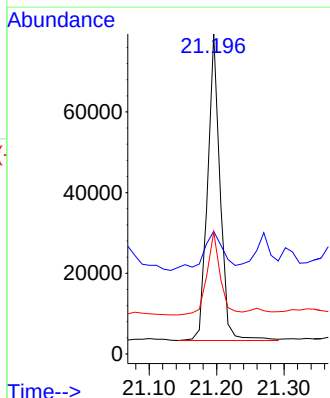
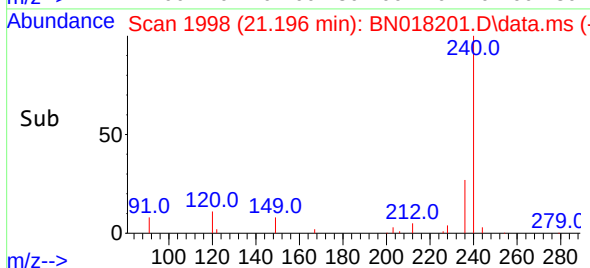
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

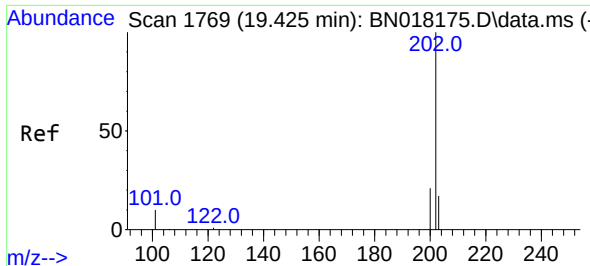


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.196 min Scan# 1998
Delta R.T. 0.001 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37



Tgt Ion:240 Resp: 97738
Ion Ratio Lower Upper
240 100
120 38.3 6.0 9.0#
236 38.1 21.4 32.2#





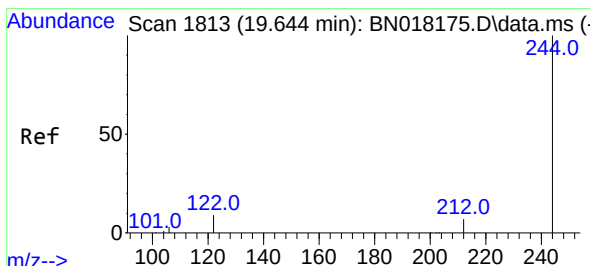
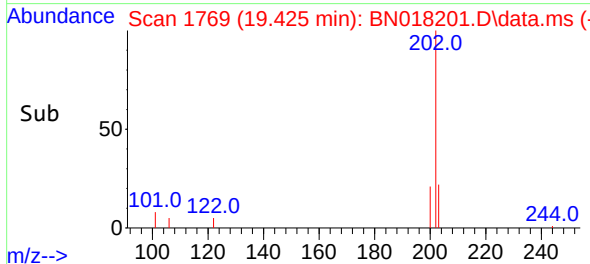
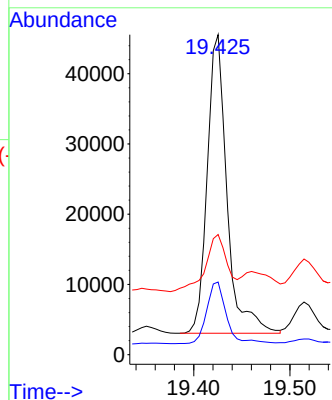
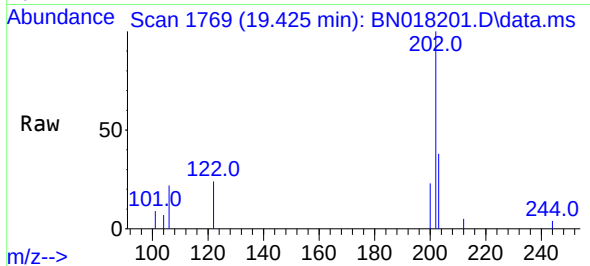
#30
Pyrene
Concen: 0.193 ng
RT: 19.425 min Scan# 1769
Delta R.T. 0.000 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

Instrument :
BNA_N
ClientSampleId :
OB-CS-10

Tgt Ion:202 Resp: 6067
Ion Ratio Lower Upper
202 100
200 20.5 16.6 25.0
203 20.8 14.1 21.1

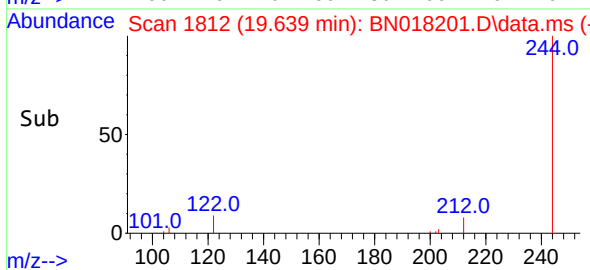
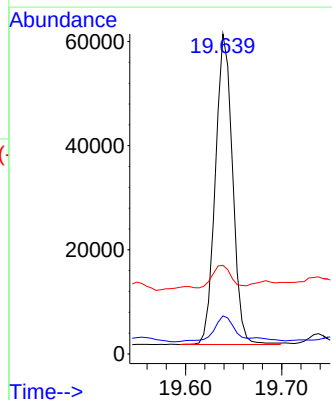
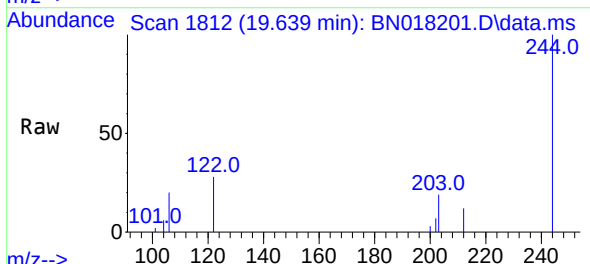
Manual Integrations
APPROVED

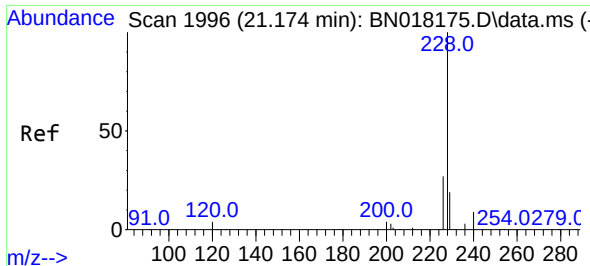
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#31
Terphenyl-d14
Concen: 0.344 ng
RT: 19.639 min Scan# 1812
Delta R.T. -0.005 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

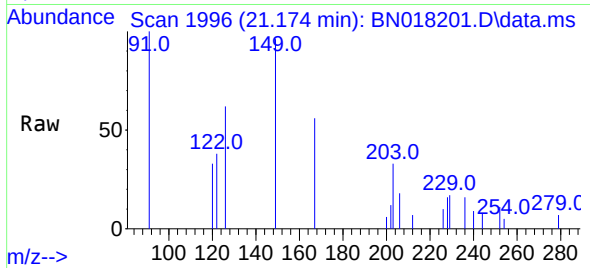
Tgt Ion:244 Resp: 73987
Ion Ratio Lower Upper
244 100
212 11.9 6.2 9.2#
122 27.7 7.9 11.9#





#32
Benzo(a)anthracene
Concen: 0.047 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

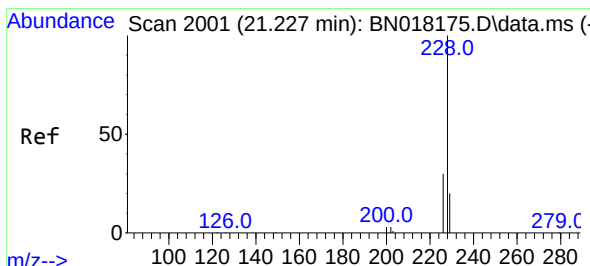
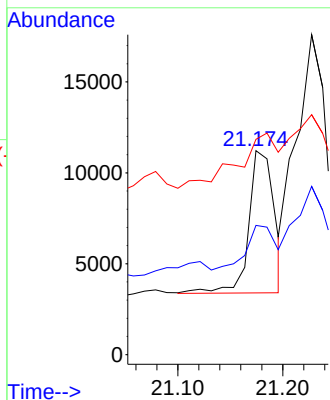
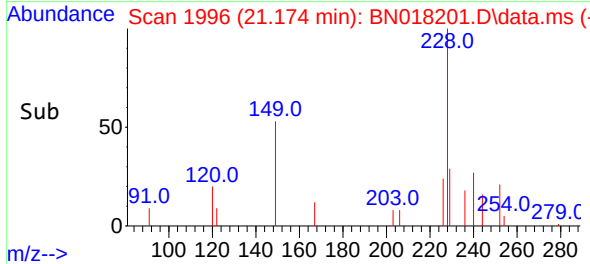
Instrument :
BNA_N
ClientSampleId :
OB-CS-10



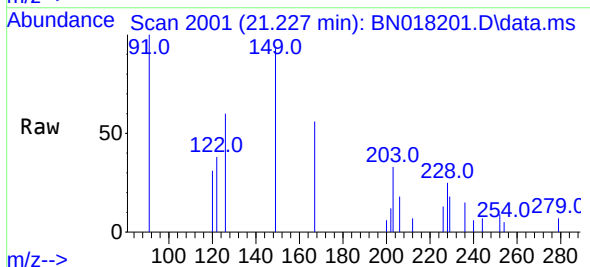
Tgt Ion:228 Resp: 1325
Ion Ratio Lower Upper
228 100
226 63.4 21.3 31.9#
229 105.6 15.9 23.9#

Manual Integrations
APPROVED

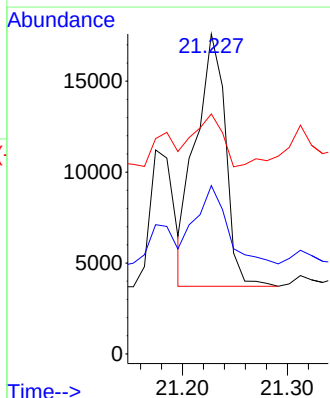
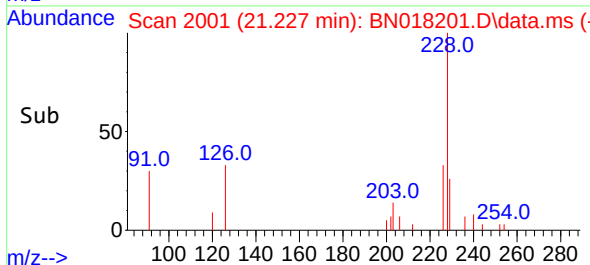
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

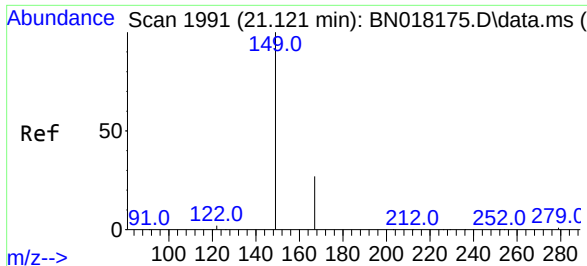


#33
Chrysene
Concen: 0.089 ng
RT: 21.227 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37



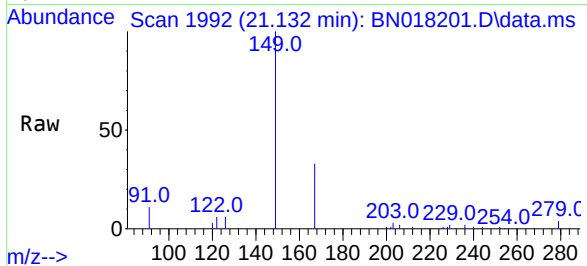
Tgt Ion:228 Resp: 27452
Ion Ratio Lower Upper
228 100
226 52.6 24.2 36.4#
229 75.0 15.5 23.3#





#34
Bis(2-ethylhexyl)phthalate
Concen: 4.282 ng
RT: 21.132 min Scan# 1992
Delta R.T. 0.011 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

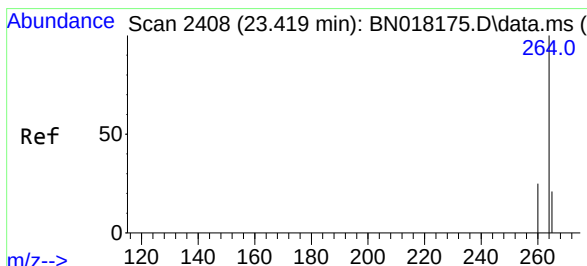
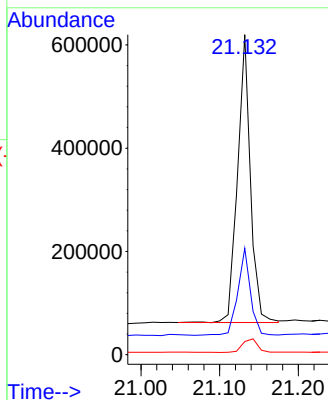
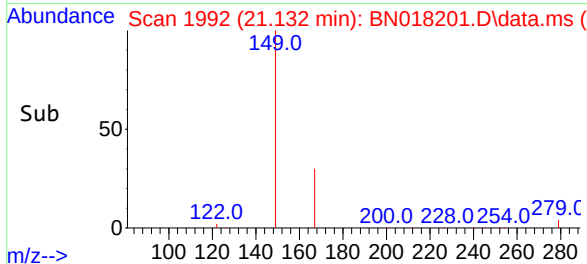
Instrument :
BNA_N
ClientSampleId :
OB-CS-10



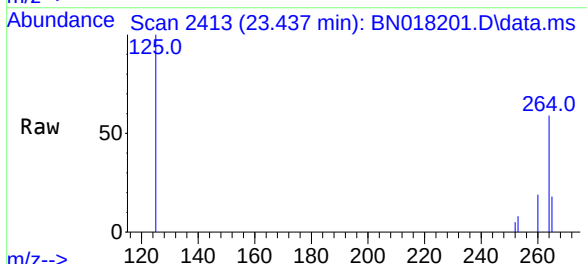
Tgt Ion:149 Resp: 637518
Ion Ratio Lower Upper
149 100
167 29.8 23.7 35.5
279 5.4 3.6 5.4

Manual Integrations
APPROVED

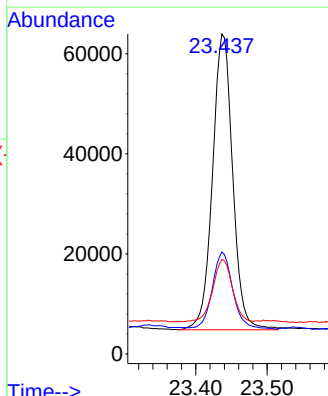
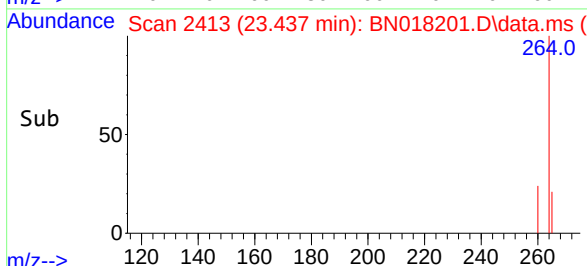
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

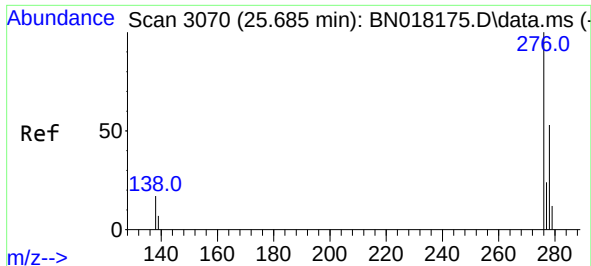


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.437 min Scan# 2413
Delta R.T. 0.018 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37



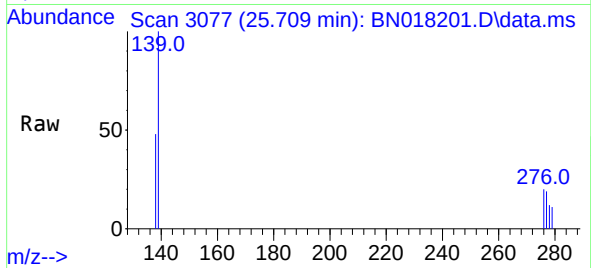
Tgt Ion:264 Resp: 116080
Ion Ratio Lower Upper
264 100
260 31.8 20.2 30.4#
265 29.6 18.2 27.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.023 ng
RT: 25.709 min Scan# 3077
Delta R.T. 0.024 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

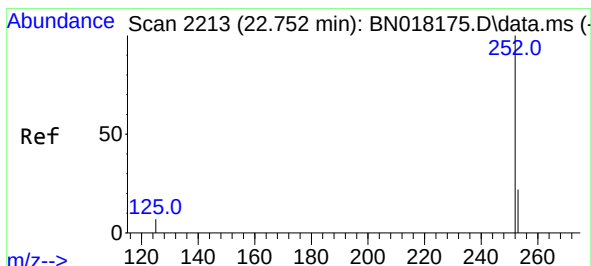
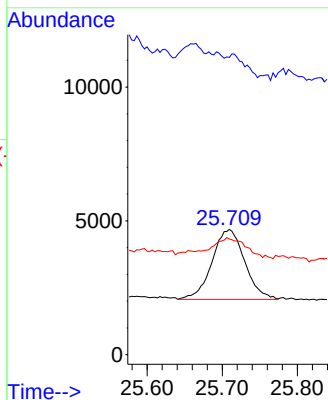
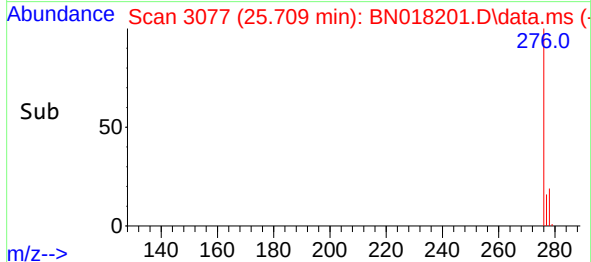
Instrument :
BNA_N
ClientSampleId :
OB-CS-10



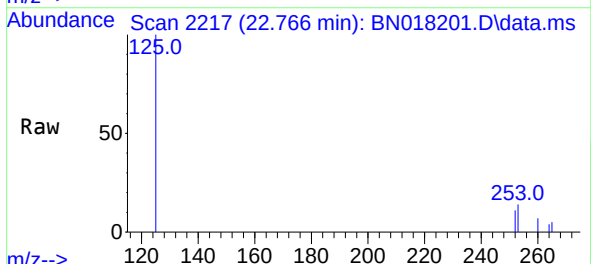
Tgt Ion:276 Resp: 7879
Ion Ratio Lower Upper
276 100
138 0.0 14.9 22.3#
277 25.4 19.9 29.9

Manual Integrations
APPROVED

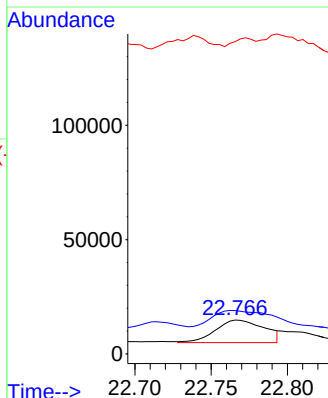
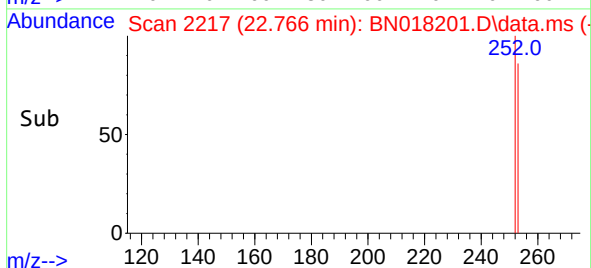
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

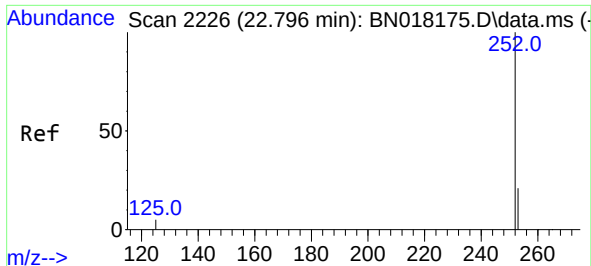


#37
Benzo(b)fluoranthene
Concen: 0.062 ng m
RT: 22.766 min Scan# 2217
Delta R.T. 0.014 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37



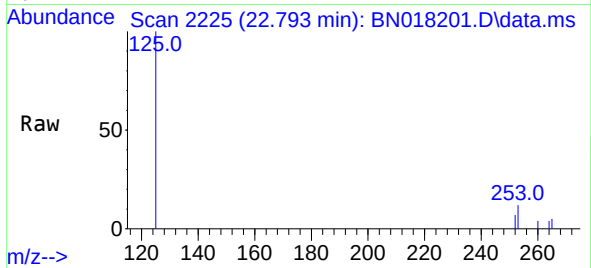
Tgt Ion:252 Resp: 22188
Ion Ratio Lower Upper
252 100
253 127.8 17.8 26.6#
125 919.6 6.0 9.0#





#38
Benzo(k)fluoranthene
Concen: 0.035 ng m
RT: 22.793 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

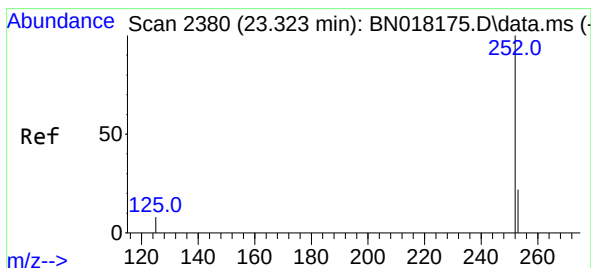
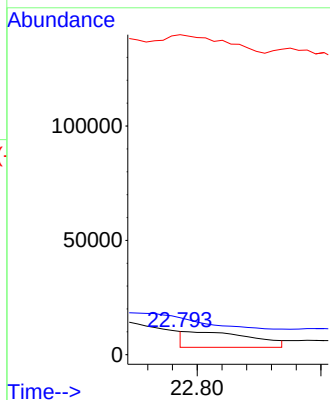
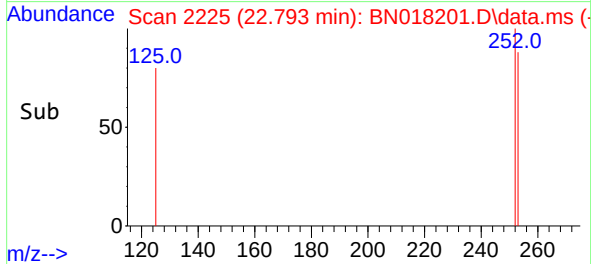
Instrument :
BNA_N
ClientSampleId :
OB-CS-10



Tgt Ion:252 Resp: 1270
Ion Ratio Lower Upper
252 100
253 159.5 17.7 26.5
125 1379.0 6.2 9.2

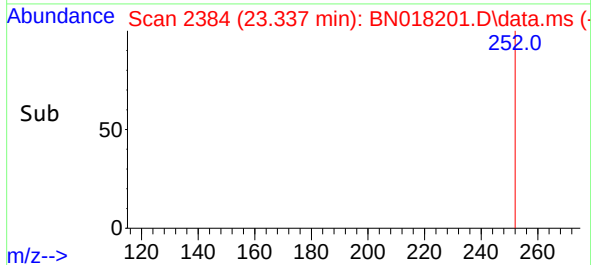
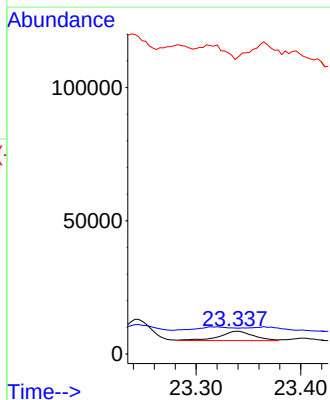
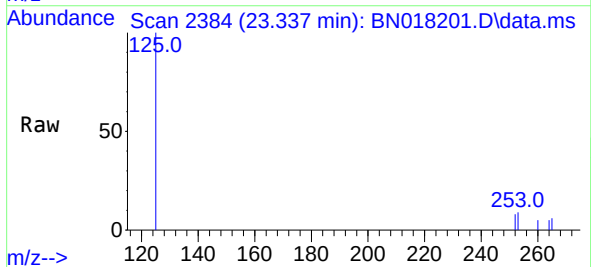
Manual Integrations
APPROVED

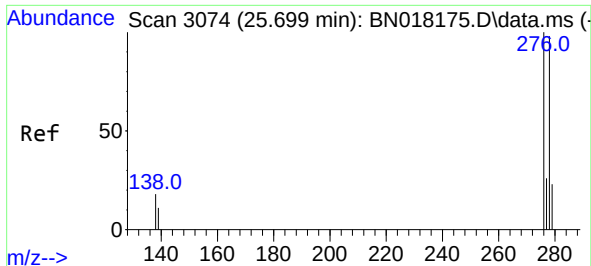
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#39
Benzo(a)pyrene
Concen: 0.025 ng
RT: 23.337 min Scan# 2384
Delta R.T. 0.014 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

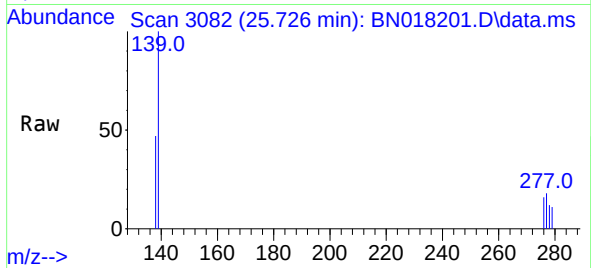
Tgt Ion:252 Resp: 7975
Ion Ratio Lower Upper
252 100
253 113.6 17.8 26.6#
125 1291.7 7.0 10.4#





#40
Dibenzo(a,h)anthracene
Concen: 0.038 ng
RT: 25.726 min Scan# 3074
Delta R.T. 0.027 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37

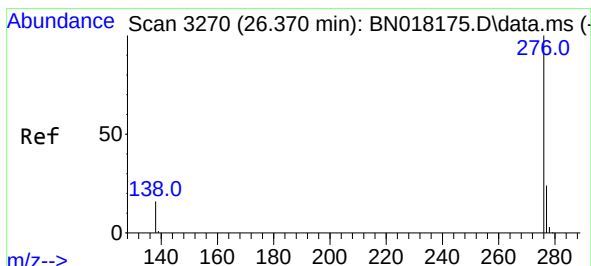
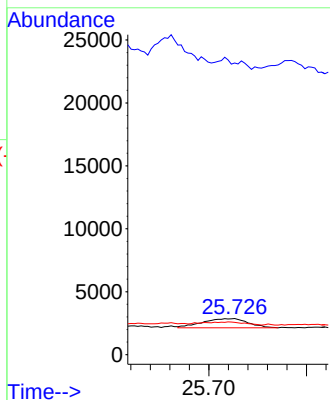
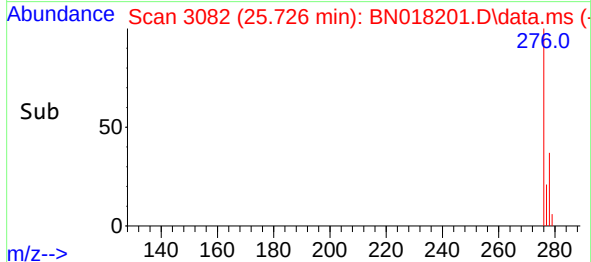
Instrument :
BNA_N
ClientSampleId :
OB-CS-10



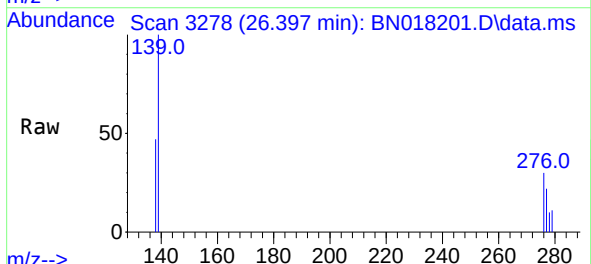
Tgt Ion:278 Resp: 2328
Ion Ratio Lower Upper
278 100
139 807.5 10.8 16.2#
279 89.7 19.0 28.4#

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.037 ng
RT: 26.397 min Scan# 3278
Delta R.T. 0.027 min
Lab File: BN018201.D
Acq: 24 Dec 2021 04:37



Tgt Ion:276 Resp: 11577
Ion Ratio Lower Upper
276 100
277 73.8 19.0 28.6#
138 159.7 12.6 19.0#

