

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
 Data File : BN018193.D
 Acq On : 23 Dec 2021 23:50
 Operator : CG/JU
 Sample : M5107-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-02

Manual Integrations
 APPROVED

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

Quant Time: Dec 24 23:33:11 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							12/27/2021
1) 1,4-Dichlorobenzene-d4	7.624	152	21076	0.400	ng	0.00	
7) Naphthalene-d8	10.394	136	89687	0.400	ng	# 0.00	
13) Acenaphthene-d10	14.256	164	58238	0.400	ng	0.00	
19) Phenanthrene-d10	16.993	188	117590	0.400	ng	0.00	
29) Chrysene-d12	21.195	240	74115	0.400	ng	# 0.00	
35) Perylene-d12	23.436	264	88127	0.400	ng	# 0.02	12/30/2021
System Monitoring Compounds							
4) 2-Fluorophenol	5.254	112	57	0.001	ng	0.03	
5) Phenol-d6	6.822	99	752	0.015	ng	0.00	
8) Nitrobenzene-d5	8.759	82	17061m	0.283	ng	-0.01	
11) 2-Methylnaphthalene-d10	11.994	152	35657	0.231	ng	0.00	
14) 2,4,6-Tribromophenol	15.778	330	100	0.183	ng	0.03	
15) 2-Fluorobiphenyl	12.873	172	56307	0.259	ng	-0.01	
27) Fluoranthene-d10	19.033	212	77890	0.209	ng	0.00	
31) Terphenyl-d14	19.639	244	57559	0.353	ng	0.00	
Target Compounds							Qvalue
9) Naphthalene	10.444	128	11089	0.050	ng		97
12) 2-Methylnaphthalene	12.069	142	9247	0.063	ng		98
24) Pentachlorophenol	16.664	266	278	0.300	ng		96
25) Phenanthrene	17.029	178	74113m	0.237	ng		
26) Anthracene	17.127	178	7539	0.029	ng	#	82
28) Fluoranthene	19.063	202	102911	0.282	ng		99
30) Pyrene	19.425	202	83116	0.349	ng		97
32) Benzo(a)anthracene	21.185	228	33838	0.157	ng	#	59
33) Chrysene	21.227	228	46239	0.197	ng	#	72
34) Bis(2-ethylhexyl)phtha...	21.132	149	362330	3.276	ng		99
36) Indeno(1,2,3-cd)pyrene	25.709	276	32544	0.128	ng		99
37) Benzo(b)fluoranthene	22.765	252	46671	0.171	ng	#	1
38) Benzo(k)fluoranthene	22.807	252	27434m	0.100	ng		
39) Benzo(a)pyrene	23.337	252	30075	0.123	ng	#	1
40) Dibenzo(a,h)anthracene	25.723	278	15261	0.100	ng	#	1
41) Benzo(g,h,i)perylene	26.401	276	35650	0.152	ng	#	18

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
 Data File : BN018193.D
 Acq On : 23 Dec 2021 23:50
 Operator : CG/JU
 Sample : M5107-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

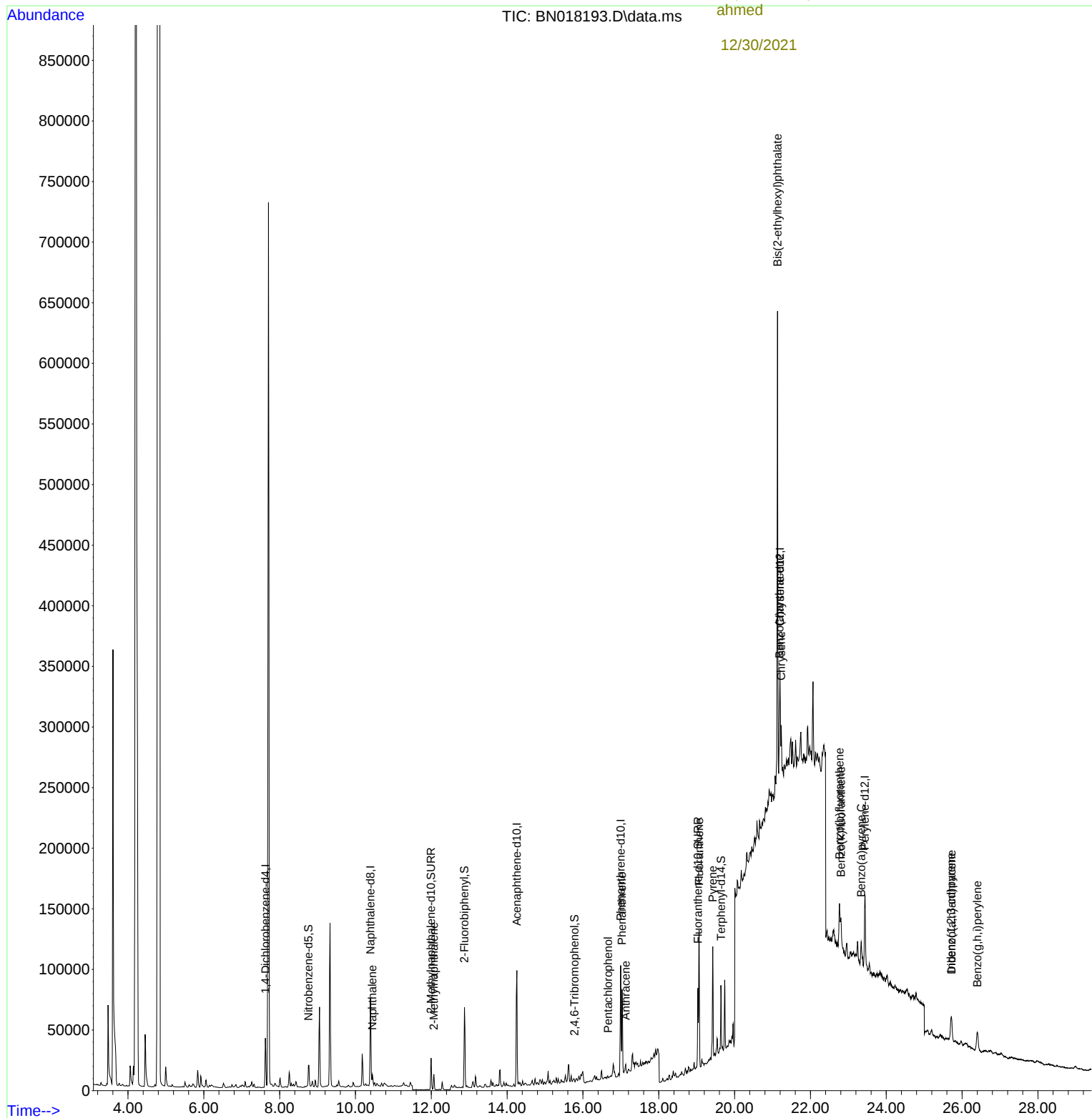
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-02

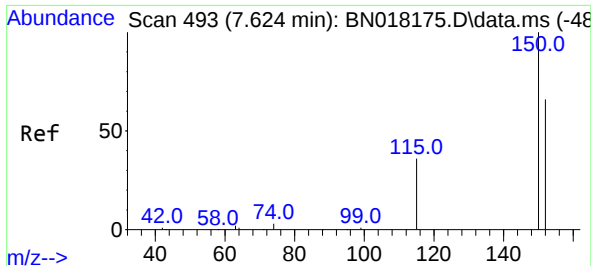
Quant Time: Dec 24 23:33:11 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 23 14:22:48 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

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

12/27/2021
 Supervised By :mohammad
 ahmed
 12/30/2021





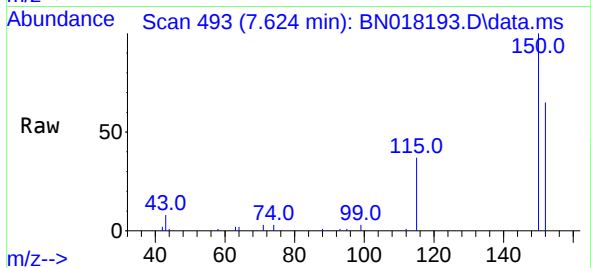
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.624 min Scan# 493
Delta R.T. -0.000 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Instrument :

BNA_N

ClientSampleId :

OB-CS-02



Tgt Ion:152 Resp: 21070
Ion Ratio Lower Upper
152 100
150 154.9 121.7 182.5
115 56.8 43.8 65.8

Manual Integrations

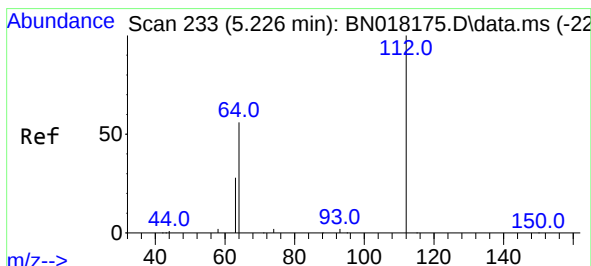
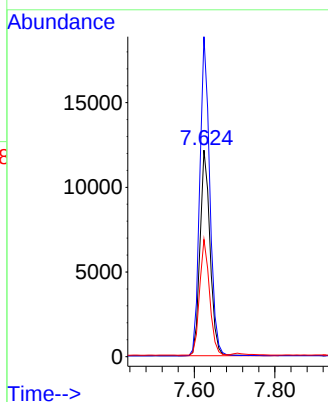
APPROVED

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

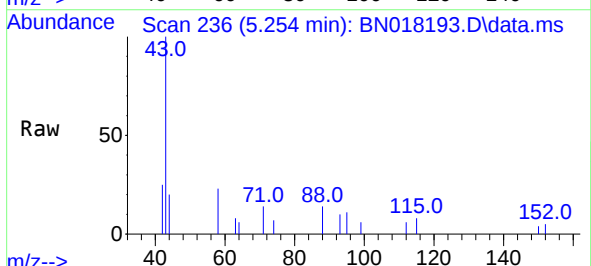
12/27/2021

Supervised By :mohammad
ahmed

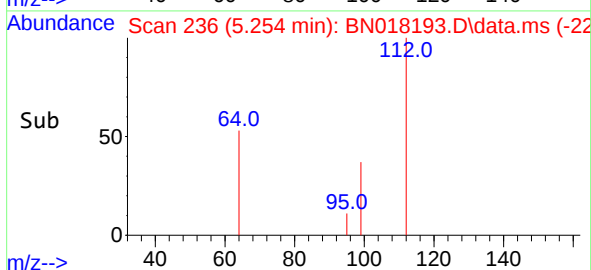
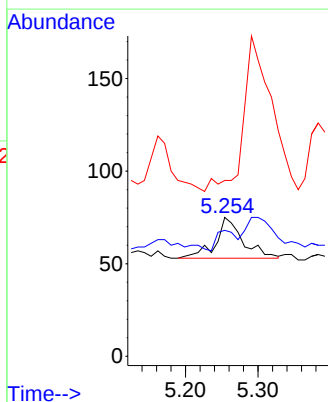
12/30/2021

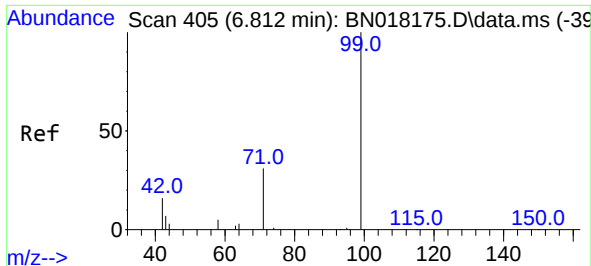


#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.254 min Scan# 236
Delta R.T. 0.028 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50



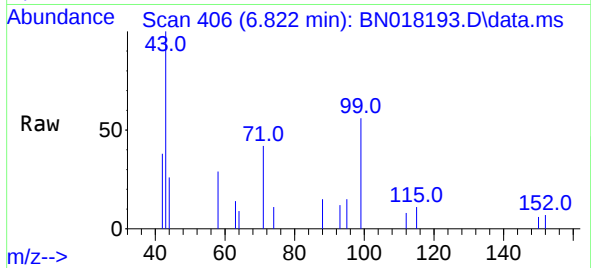
Tgt Ion:112 Resp: 57
Ion Ratio Lower Upper
112 100
64 35.1 48.0 72.0#
63 0.0 25.3 37.9#





#5
Phenol-d6
Concen: 0.015 ng
RT: 6.822 min Scan# 405
Delta R.T. 0.010 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-02



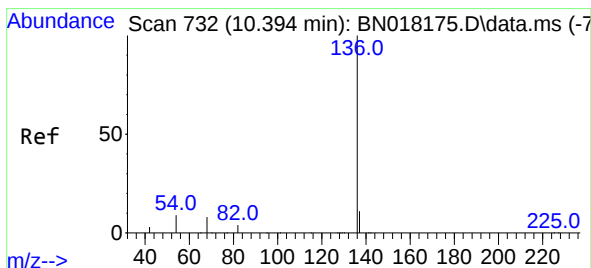
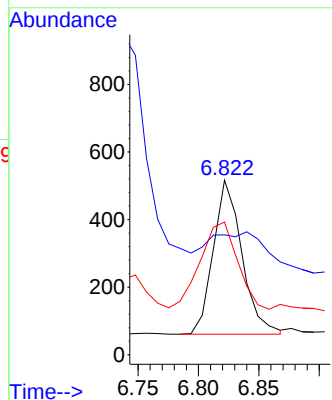
Tgt Ion: 99 Resp: 752
Ion Ratio Lower Upper
99 100
42 41.0 16.3 24.5
71 73.5 26.8 40.2

Manual Integrations
APPROVED

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

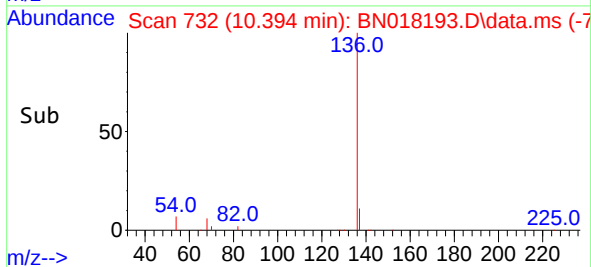
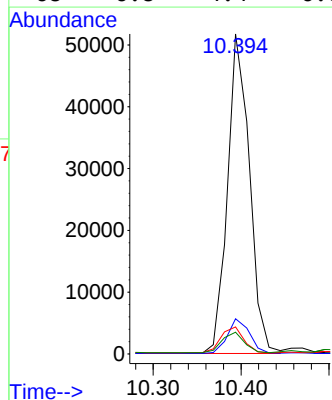
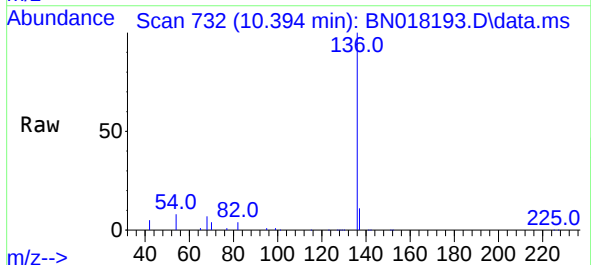
12/27/2021
Supervised By :mohammad
ahmed

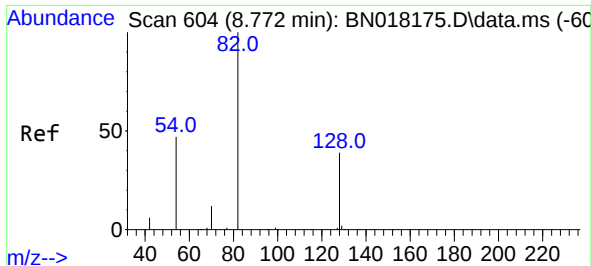
12/30/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.000 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

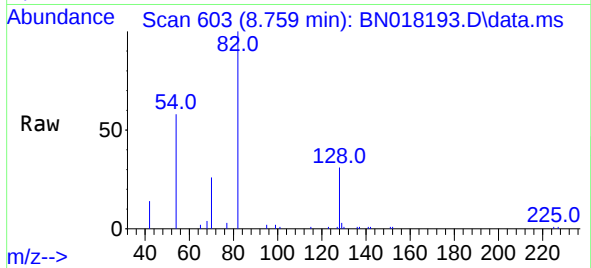
Tgt Ion:136 Resp: 89687
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.5 5.0 7.6#
68 6.8 4.4 6.6#





#8
Nitrobenzene-d5
Concen: 0.283 ng m
RT: 8.759 min Scan# 604
Delta R.T. -0.013 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-02



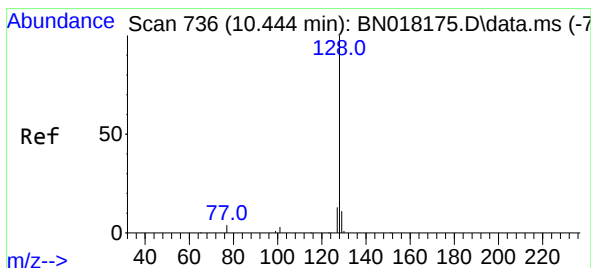
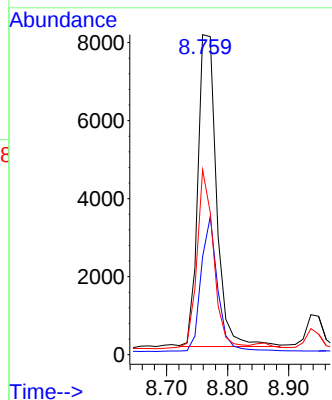
Tgt Ion: 82 Resp: 1706
Ion Ratio Lower Upper
82 100
128 30.6 33.7 50.5
54 57.8 36.6 55.0

Manual Integrations
APPROVED

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

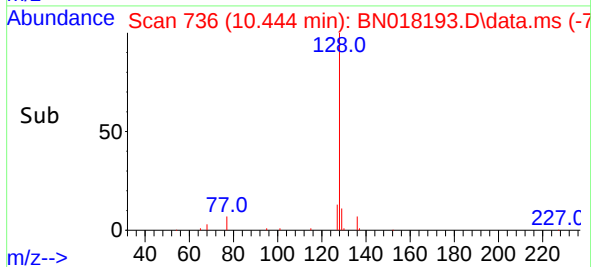
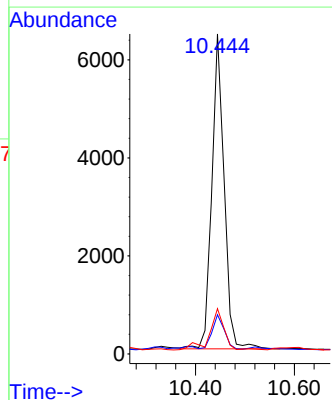
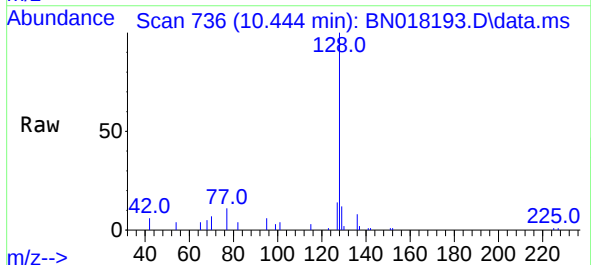
12/27/2021
Supervised By :mohammad
ahmed

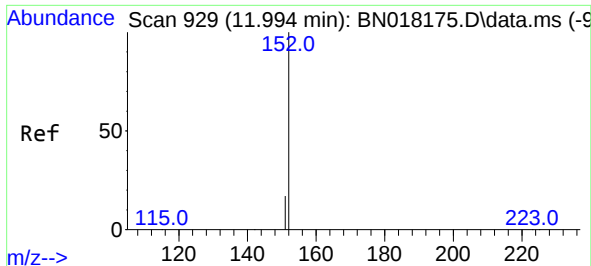
12/30/2021



#9
Naphthalene
Concen: 0.050 ng
RT: 10.444 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

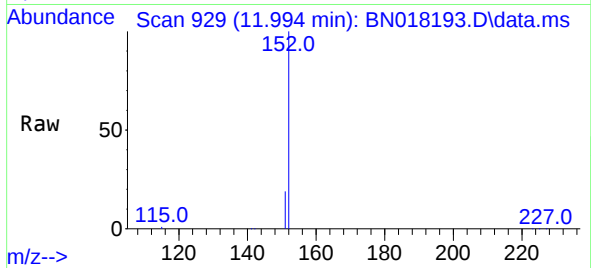
Tgt Ion:128 Resp: 11089
Ion Ratio Lower Upper
128 100
129 12.2 8.7 13.1
127 14.2 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.231 ng
RT: 11.994 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

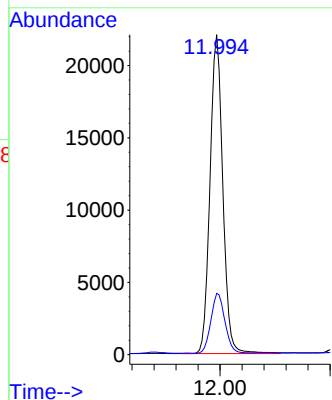
Instrument :
BNA_N
ClientSampleId :
OB-CS-02



Tgt Ion:152 Resp: 3565
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2

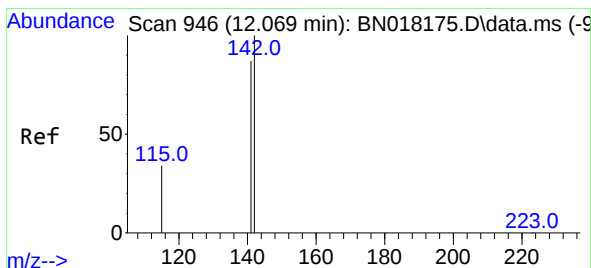
Manual Integrations
APPROVED

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



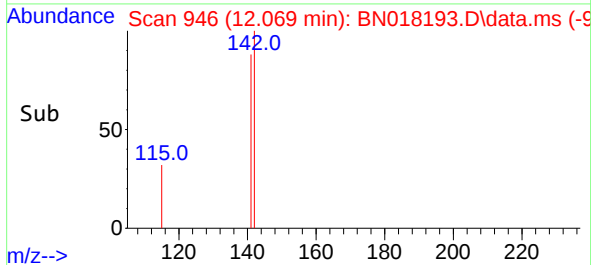
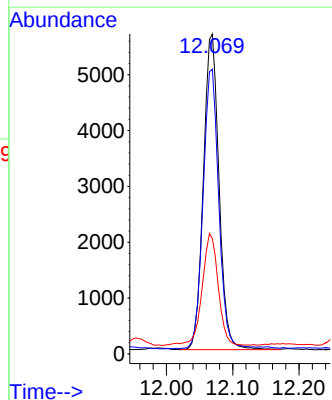
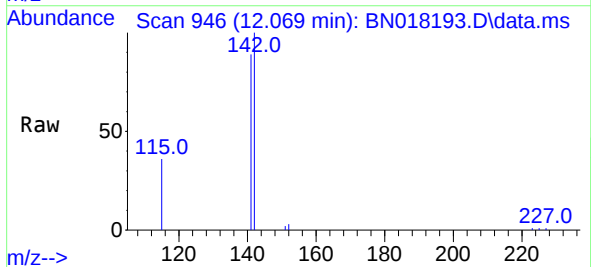
12/27/2021
Supervised By :mohammad
ahmed

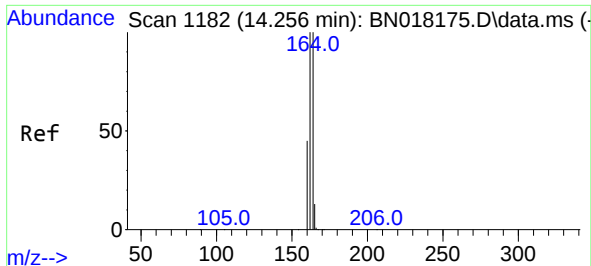
12/30/2021



#12
2-Methylnaphthalene
Concen: 0.063 ng
RT: 12.069 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

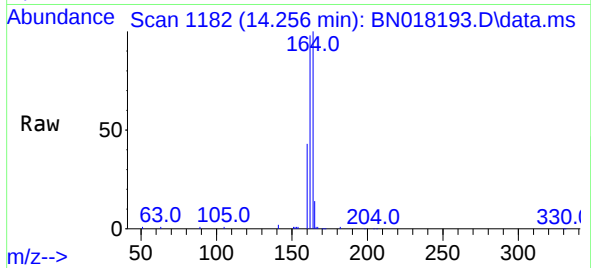
Tgt Ion:142 Resp: 9247
Ion Ratio Lower Upper
142 100
141 89.0 70.0 105.0
115 36.1 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-02



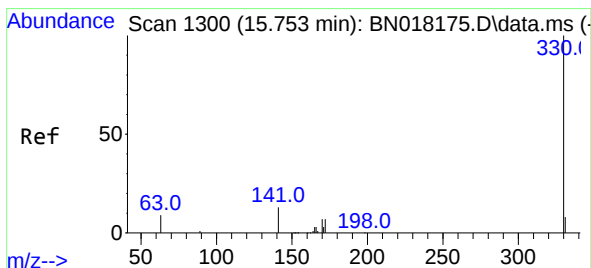
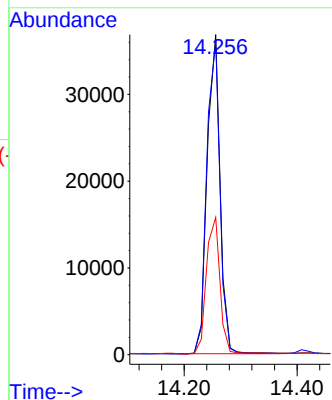
Tgt Ion:164 Resp: 58238
Ion Ratio Lower Upper
164 100
162 97.9 80.2 120.2
160 42.9 36.9 55.3

Manual Integrations
APPROVED

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

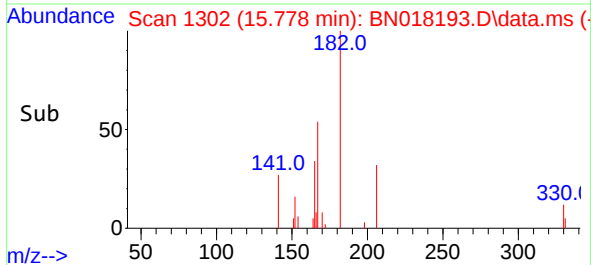
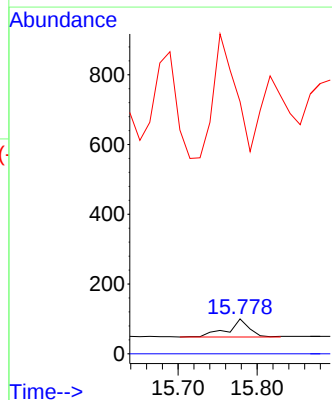
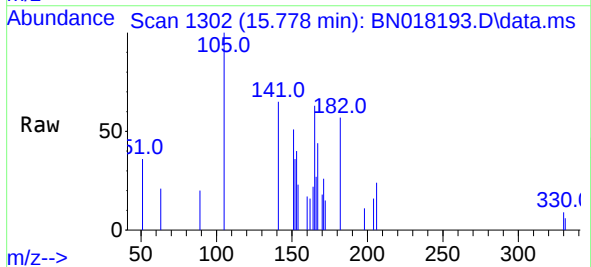
12/27/2021
Supervised By :mohammad
ahmed

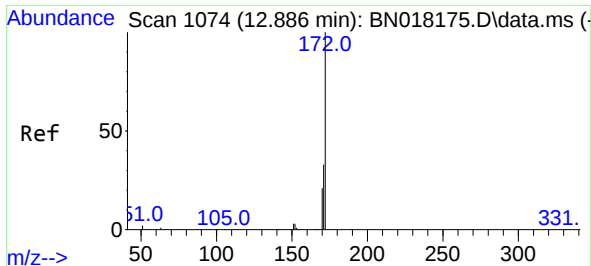
12/30/2021



#14
2,4,6-Tribromophenol
Concen: 0.183 ng
RT: 15.778 min Scan# 1302
Delta R.T. 0.025 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

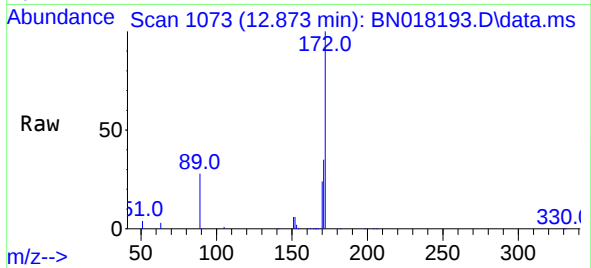
Tgt Ion:330 Resp: 100
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.259 ng
RT: 12.873 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-02



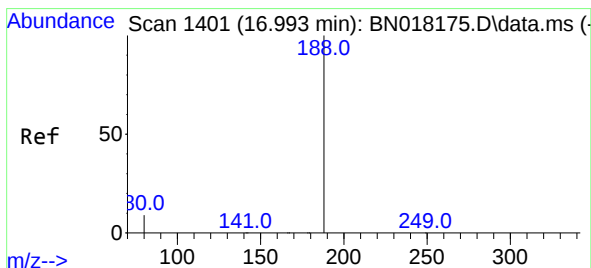
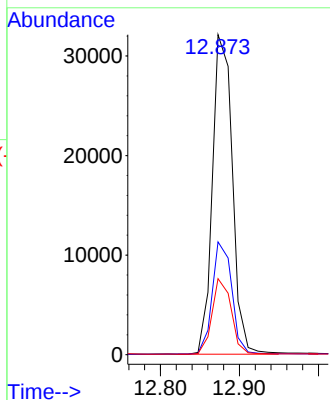
Tgt Ion:172 Resp: 56307
Ion Ratio Lower Upper
172 100
171 35.3 27.4 41.0
170 23.8 18.4 27.6

Manual Integrations
APPROVED

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

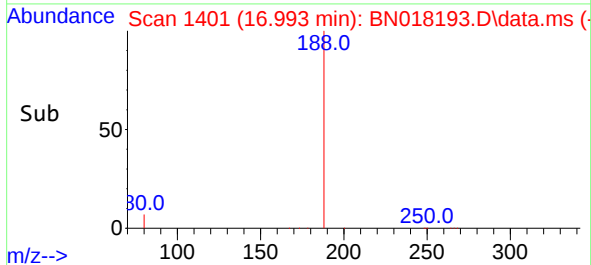
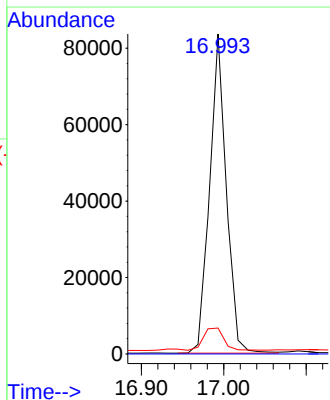
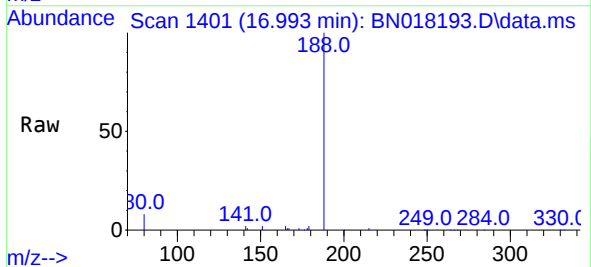
12/27/2021
Supervised By :mohammad
ahmed

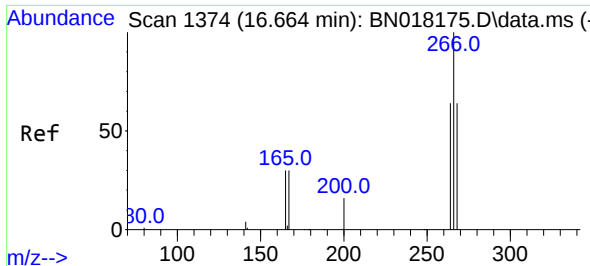
12/30/2021



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Tgt Ion:188 Resp: 117590
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.1 7.0 10.4





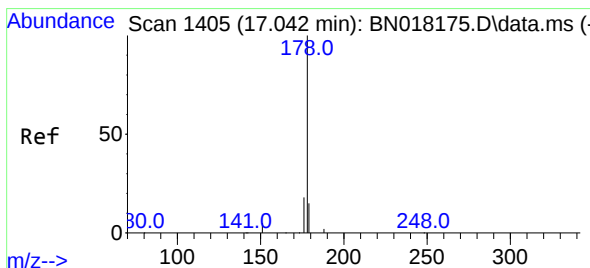
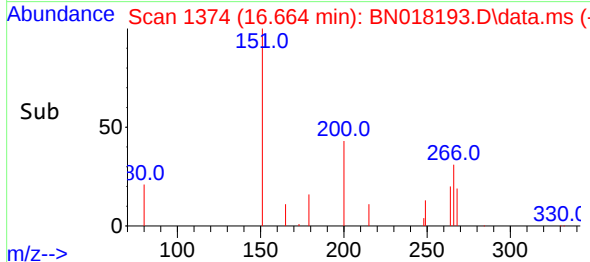
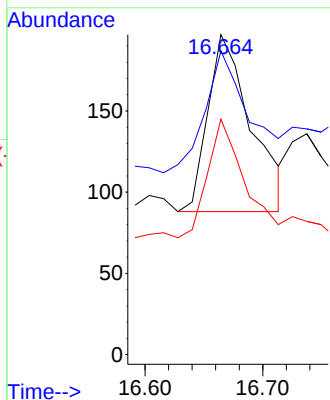
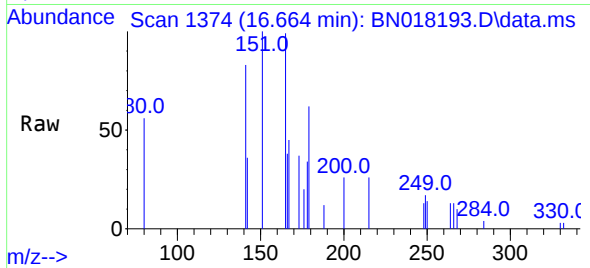
#24
Pentachlorophenol
Concen: 0.300 ng
RT: 16.664 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-02

Tgt Ion:266 Resp: 278
Ion Ratio Lower Upper
266 100
264 63.7 49.5 74.3
268 68.0 50.6 76.0

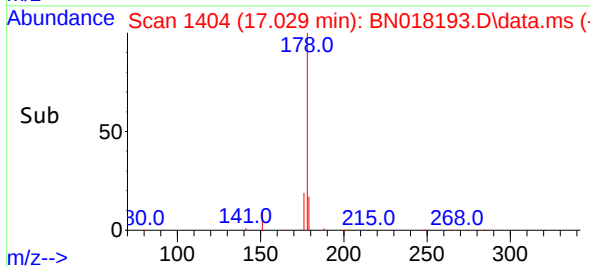
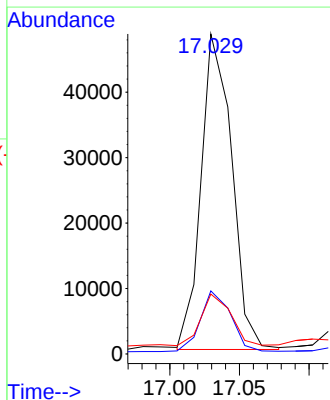
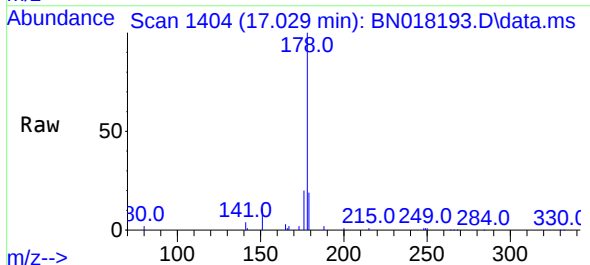
Manual Integrations
APPROVED

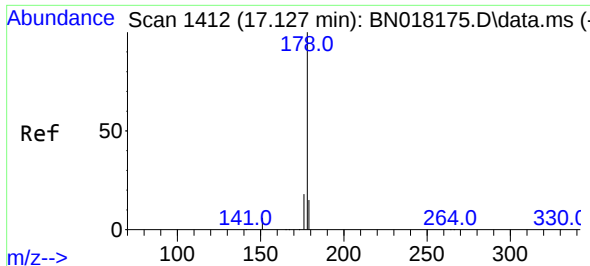
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#25
Phenanthrene
Concen: 0.237 ng m
RT: 17.029 min Scan# 1404
Delta R.T. -0.013 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

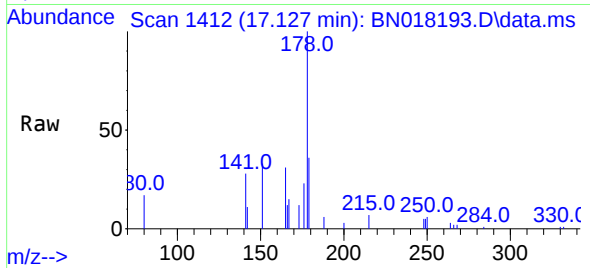
Tgt Ion:178 Resp: 74113
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 19.4 12.3 18.5#





#26
 Anthracene
 Concen: 0.029 ng
 RT: 17.127 min Scan# 1412
 Delta R.T. -0.000 min
 Lab File: BN018193.D
 Acq: 23 Dec 2021 23:50

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-02



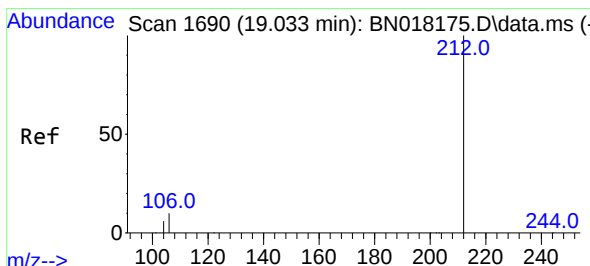
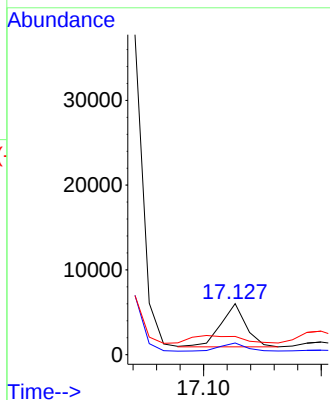
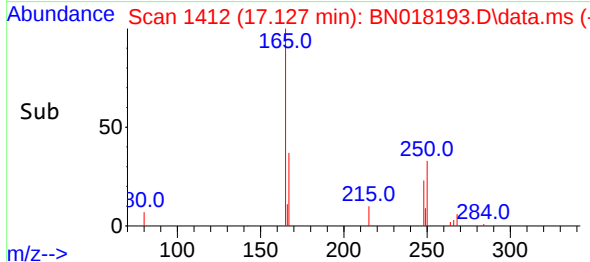
Tgt Ion:178 Resp: 7539
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.8 22.2
 179 0.0 12.2 18.4

Manual Integrations
 APPROVED

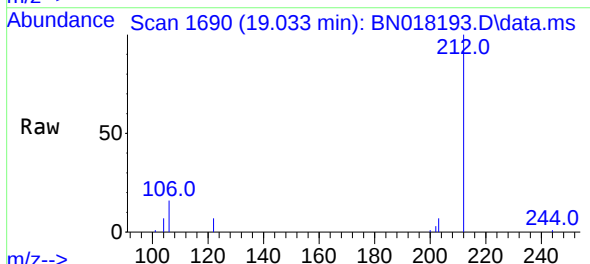
Reviewed By :Jagrut Upadhyay 12/27/2021
 Supervised By :mohammad ahmed 12/30/2021

12/27/2021
 Supervised By :mohammad
 ahmed

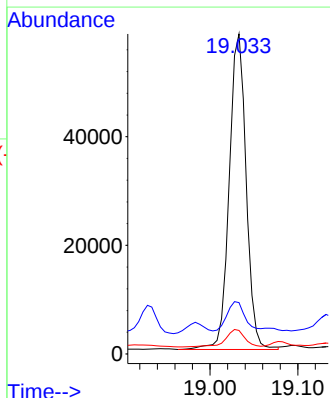
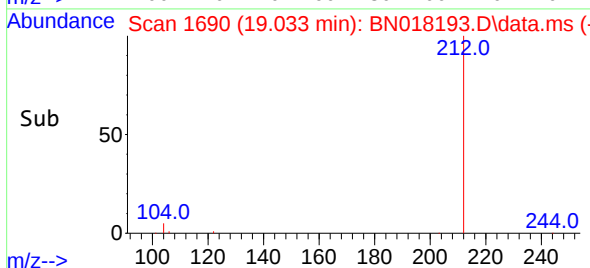
12/30/2021

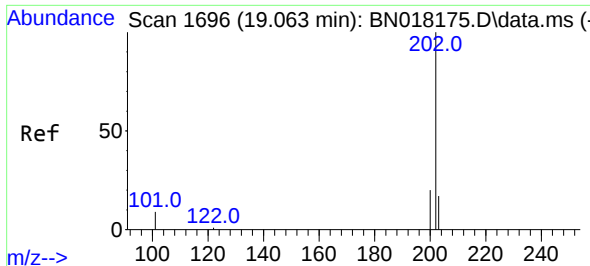


#27
 Fluoranthene-d10
 Concen: 0.209 ng
 RT: 19.033 min Scan# 1690
 Delta R.T. -0.000 min
 Lab File: BN018193.D
 Acq: 23 Dec 2021 23:50



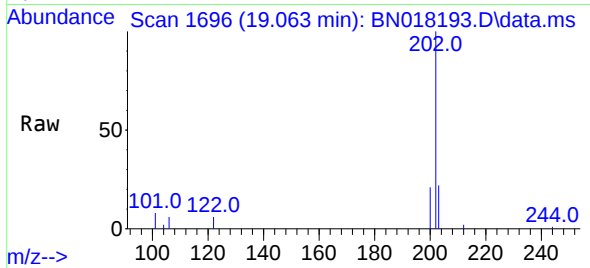
Tgt Ion:212 Resp: 77890
 Ion Ratio Lower Upper
 212 100
 106 9.8 8.4 12.6
 104 6.2 4.5 6.7





#28
Fluoranthene
Concen: 0.282 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.000 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-02



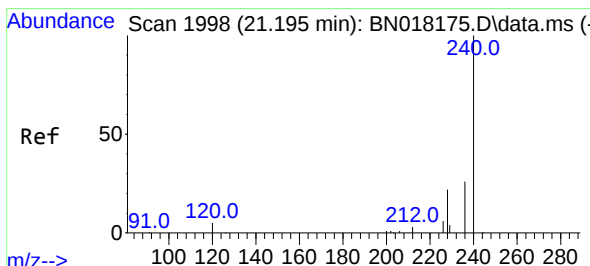
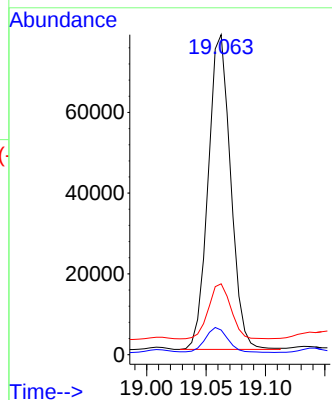
Tgt Ion:202 Resp: 10291
Ion Ratio Lower Upper
202 100
101 7.9 7.2 10.8
203 17.3 13.7 20.5

Manual Integrations
APPROVED

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

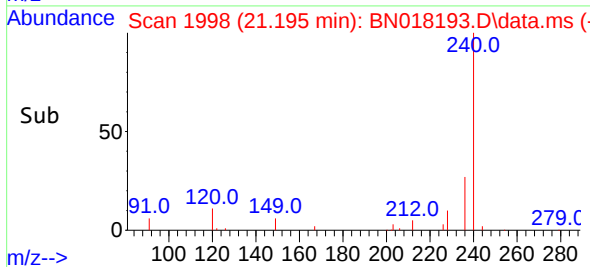
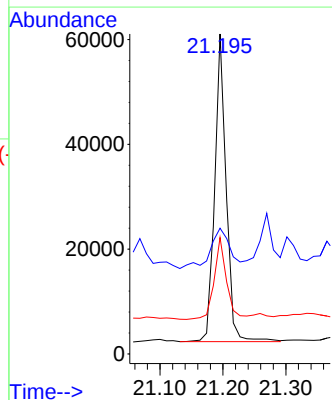
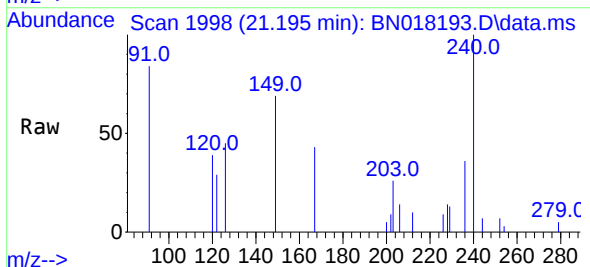
12/27/2021
Supervised By :mohammad
ahmed

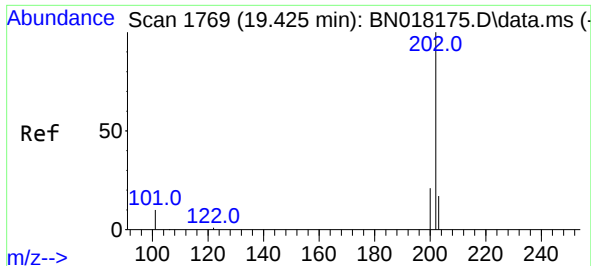
12/30/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.195 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

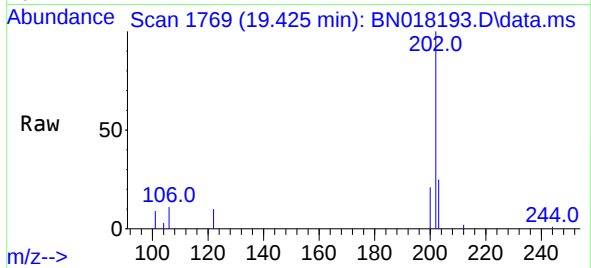
Tgt Ion:240 Resp: 74115
Ion Ratio Lower Upper
240 100
120 39.3 6.0 9.0#
236 36.4 21.4 32.2#





#30
Pyrene
Concen: 0.349 ng
RT: 19.425 min Scan# 1769
Delta R.T. 0.000 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-02



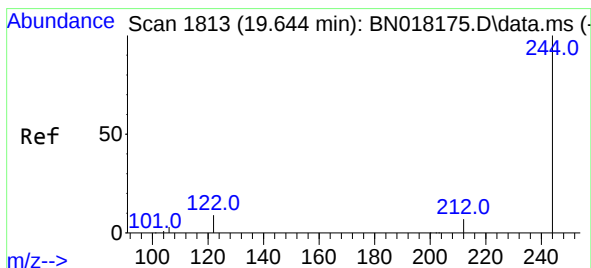
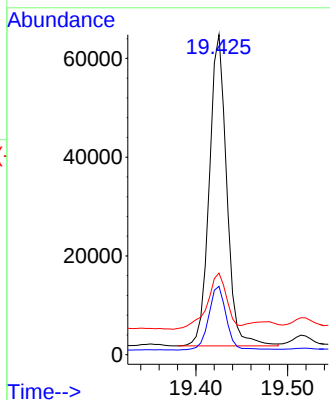
Tgt Ion:202 Resp: 83110
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 20.3 14.1 21.1

Manual Integrations
APPROVED

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

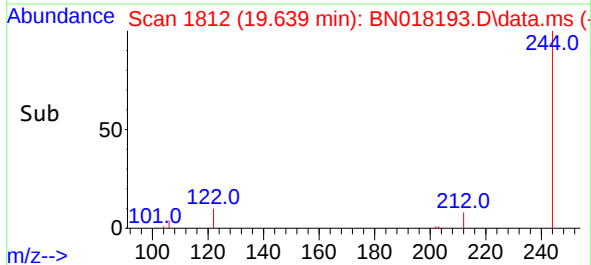
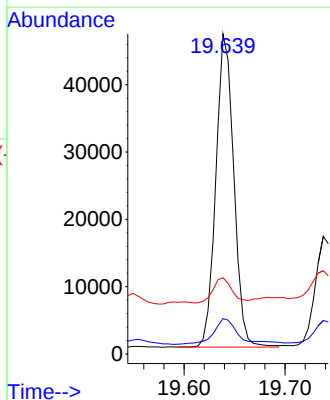
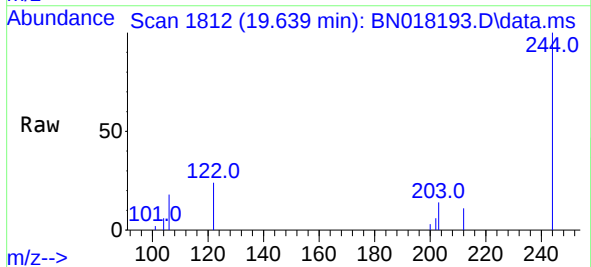
12/27/2021
Supervised By :mohammad
ahmed

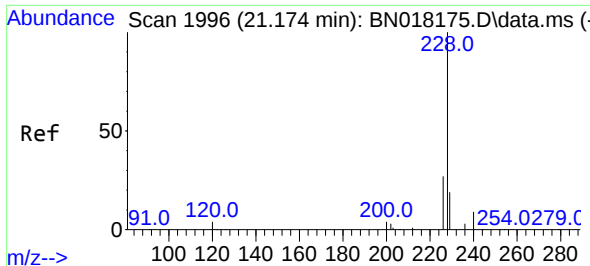
12/30/2021



#31
Terphenyl-d14
Concen: 0.353 ng
RT: 19.639 min Scan# 1812
Delta R.T. -0.005 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

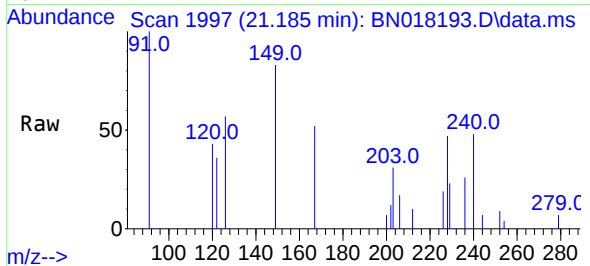
Tgt Ion:244 Resp: 57559
Ion Ratio Lower Upper
244 100
212 11.1 6.2 9.2#
122 23.8 7.9 11.9#





#32
Benzo(a)anthracene
Concen: 0.157 ng
RT: 21.185 min Scan# 1996
Delta R.T. 0.011 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-02



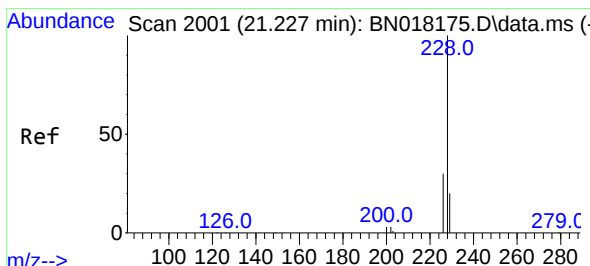
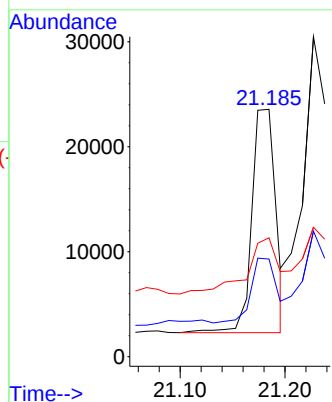
Tgt Ion:228 Resp: 3383
Ion Ratio Lower Upper
228 100
226 39.5 21.3 31.9#
229 48.1 15.9 23.9#

Manual Integrations
APPROVED

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

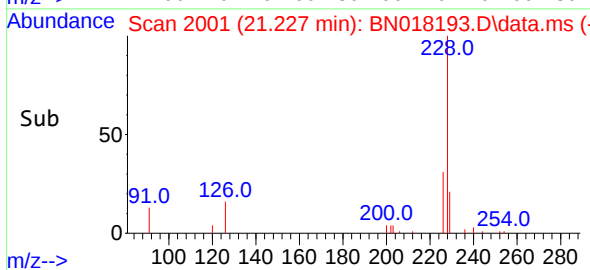
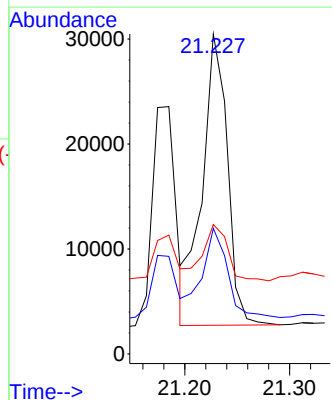
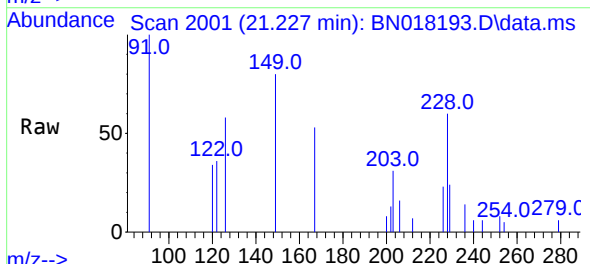
12/27/2021
Supervised By :mohammad
ahmed

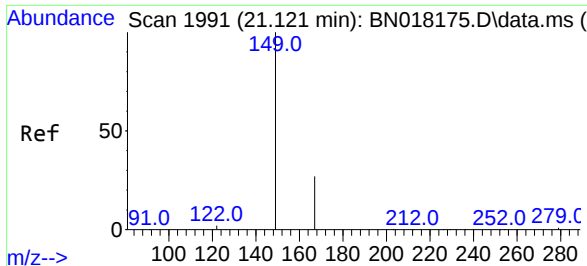
12/30/2021



#33
Chrysene
Concen: 0.197 ng
RT: 21.227 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

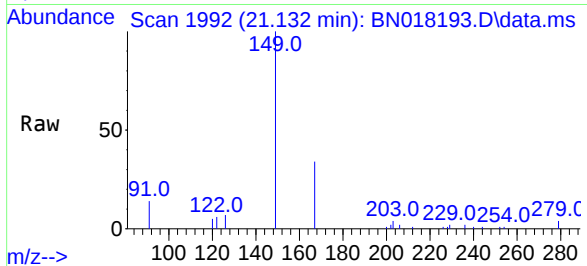
Tgt Ion:228 Resp: 46239
Ion Ratio Lower Upper
228 100
226 39.2 24.2 36.4#
229 40.5 15.5 23.3#





#34
Bis(2-ethylhexyl)phthalate
Concen: 3.276 ng
RT: 21.132 min Scan# 1992
Delta R.T. 0.011 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-02



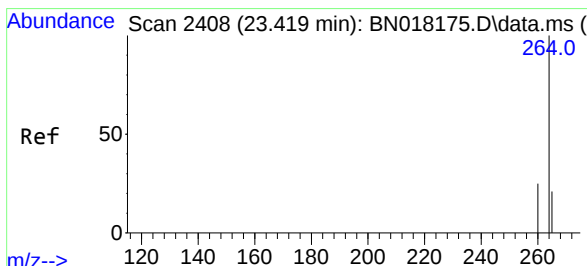
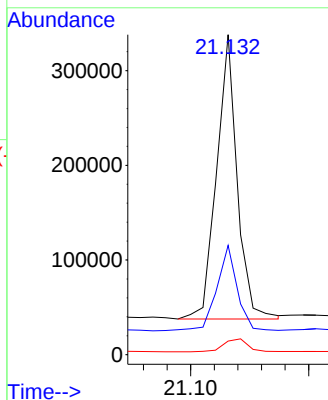
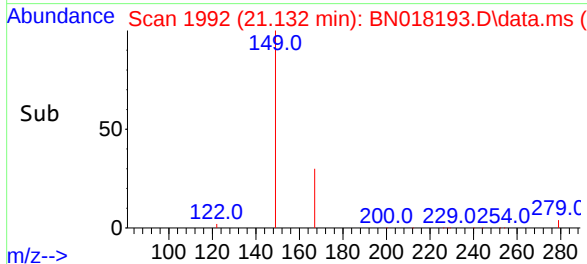
Tgt Ion:149 Resp: 362330
Ion Ratio Lower Upper
149 100
167 29.9 23.7 35.5
279 5.3 3.6 5.4

Manual Integrations
APPROVED

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

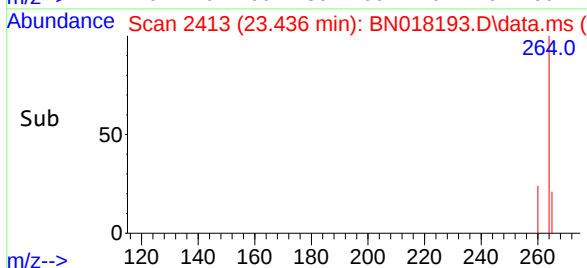
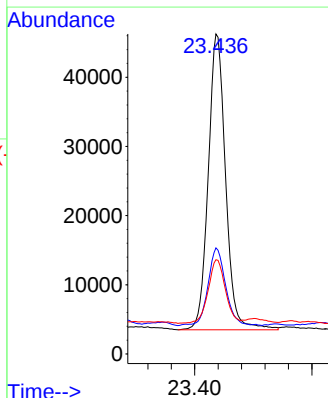
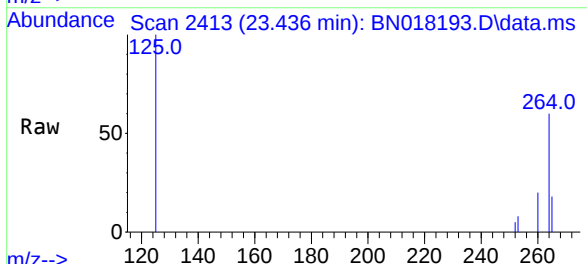
12/27/2021
Supervised By :mohammad
ahmed

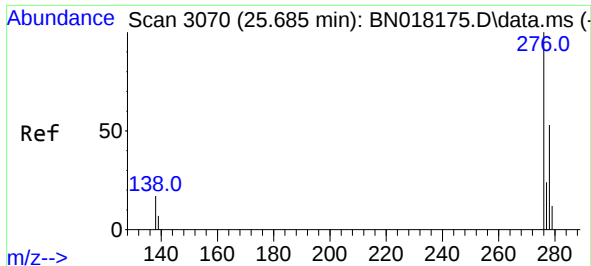
12/30/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.436 min Scan# 2413
Delta R.T. 0.017 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

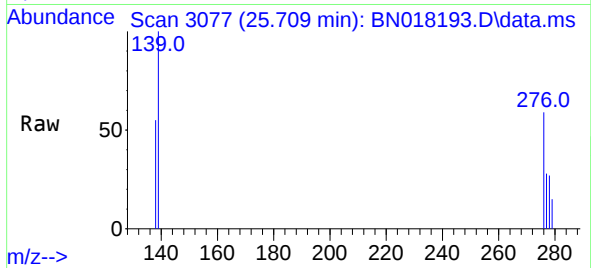
Tgt Ion:264 Resp: 88127
Ion Ratio Lower Upper
264 100
260 33.1 20.2 30.4#
265 29.5 18.2 27.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.128 ng
RT: 25.709 min Scan# 3077
Delta R.T. 0.024 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-02



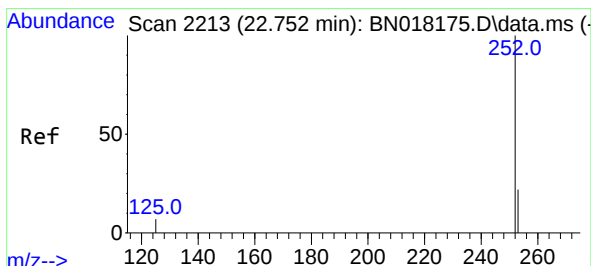
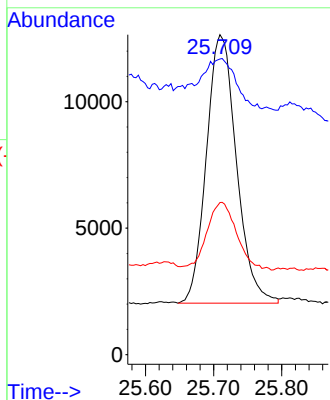
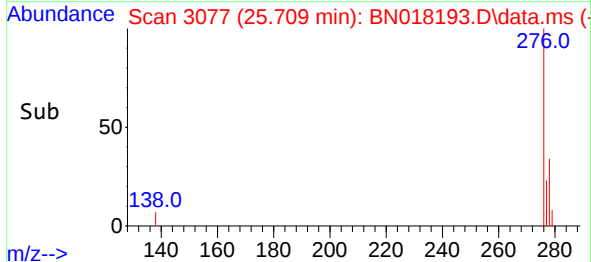
Tgt Ion:276 Resp: 32544
Ion Ratio Lower Upper
276 100
138 19.3 14.9 22.3
277 25.2 19.9 29.9

Manual Integrations
APPROVED

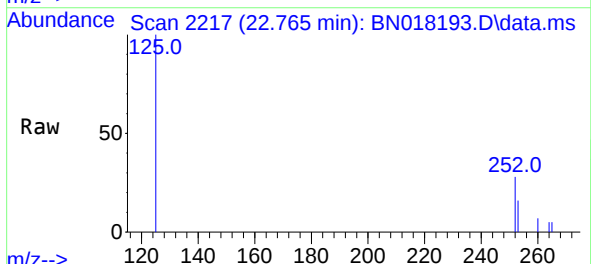
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

12/27/2021
Supervised By :mohammad
ahmed

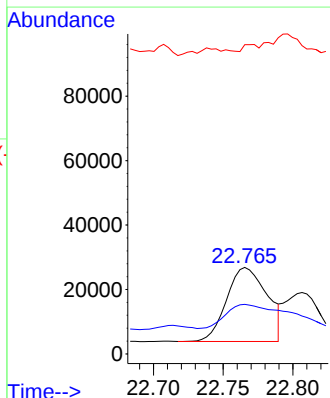
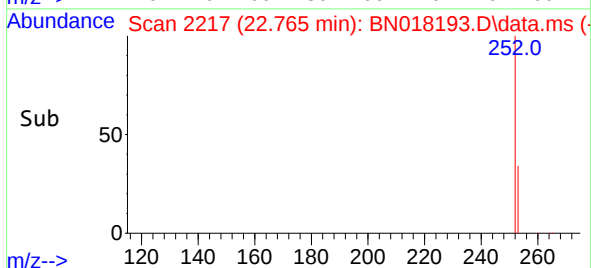
12/30/2021

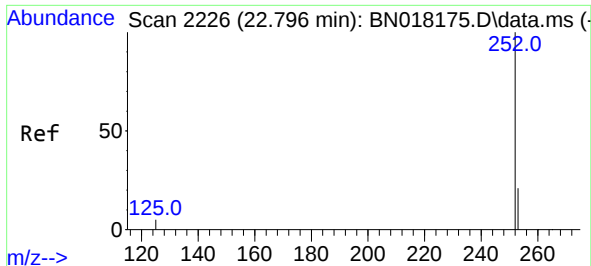


#37
Benzo(b)fluoranthene
Concen: 0.171 ng
RT: 22.765 min Scan# 2217
Delta R.T. 0.013 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50



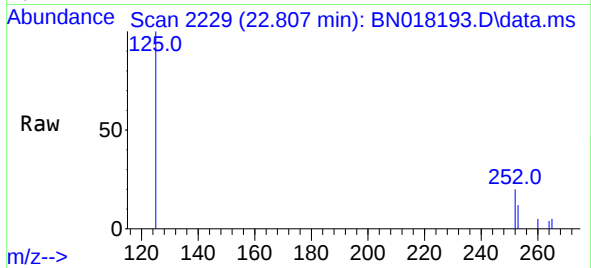
Tgt Ion:252 Resp: 46671
Ion Ratio Lower Upper
252 100
253 57.4 17.8 26.6#
125 357.4 6.0 9.0#





#38
Benzo(k)fluoranthene
Concen: 0.100 ng m
RT: 22.807 min Scan# 21
Delta R.T. 0.011 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-02



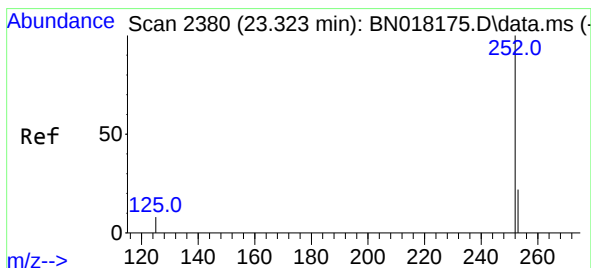
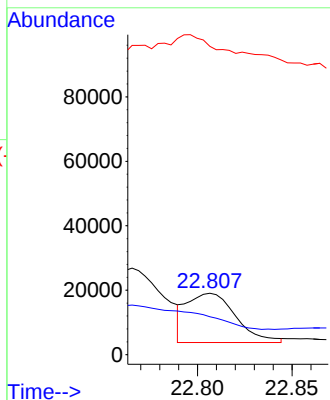
Tgt Ion:252 Resp: 27434
Ion Ratio Lower Upper
252 100
253 61.8 17.7 26.5#
125 502.1 6.2 9.2#

Manual Integrations
APPROVED

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

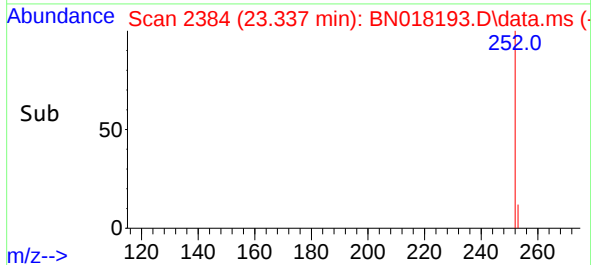
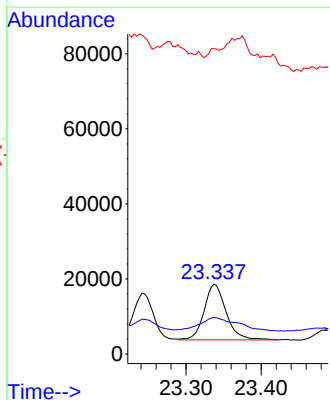
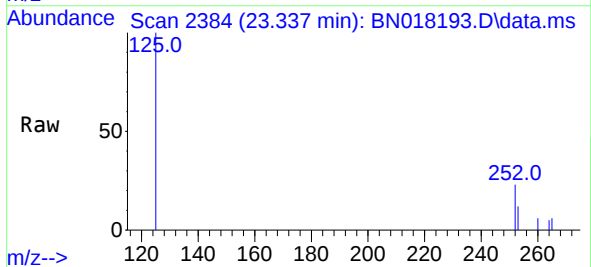
12/27/2021
Supervised By :mohammad
ahmed

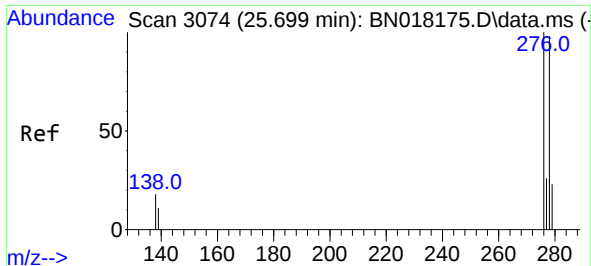
12/30/2021



#39
Benzo(a)pyrene
Concen: 0.123 ng
RT: 23.337 min Scan# 2384
Delta R.T. 0.014 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

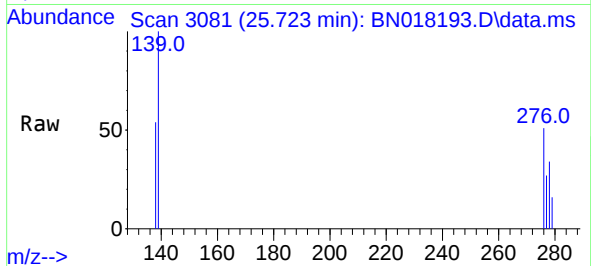
Tgt Ion:252 Resp: 30075
Ion Ratio Lower Upper
252 100
253 52.3 17.8 26.6#
125 437.6 7.0 10.4#





#40
Dibenzo(a,h)anthracene
Concen: 0.100 ng
RT: 25.723 min Scan# 3074
Delta R.T. 0.024 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-02



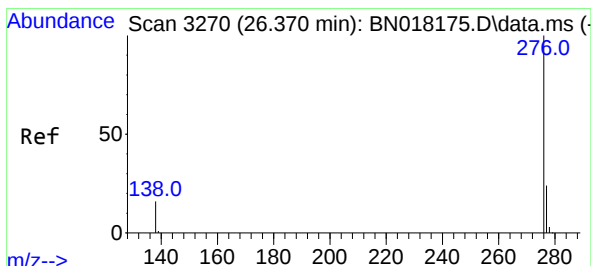
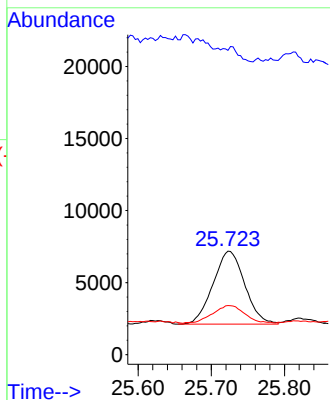
Tgt Ion:278 Resp: 1526
Ion Ratio Lower Upper
278 100
139 294.1 10.8 16.2
279 47.5 19.0 28.4

Manual Integrations
APPROVED

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

12/27/2021
Supervised By :mohammad
ahmed

12/30/2021



#41
Benzo(g,h,i)perylene
Concen: 0.152 ng
RT: 26.401 min Scan# 3279
Delta R.T. 0.031 min
Lab File: BN018193.D
Acq: 23 Dec 2021 23:50

Tgt Ion:276 Resp: 35650
Ion Ratio Lower Upper
276 100
277 44.9 19.0 28.6#
138 75.6 12.6 19.0#

