

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
 Data File : BN018277.D
 Acq On : 30 Dec 2021 02:02
 Operator : CG/JU
 Sample : M5107-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-05

Manual Integrations
 APPROVED

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

Quant Time: Dec 30 03:04:42 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 29 16:08:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	23526	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	98497	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	66854	0.400	ng	0.00
19) Phenanthrene-d10	17.005	188	92192	0.400	ng	# 0.00
29) Chrysene-d12	21.227	240	60231	0.400	ng	# 0.03
35) Perylene-d12	23.484	264	62228	0.400	ng	# 0.06
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	200	0.004	ng	0.03
5) Phenol-d6	6.840	99	2477	0.054	ng	0.00
8) Nitrobenzene-d5	8.784	82	23655	0.461	ng	0.00
11) 2-Methylnaphthalene-d10	12.012	152	55053	0.332	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	199	0.310	ng	0.03
15) 2-Fluorobiphenyl	12.898	172	83570	0.330	ng	0.00
27) Fluoranthene-d10	19.058	212	106327m	0.362	ng	0.02
31) Terphenyl-d14	19.668	244	56469	0.369	ng	0.02
Target Compounds						
						Qvalue
9) Naphthalene	10.470	128	16366	0.067	ng	# 95
12) 2-Methylnaphthalene	12.083	142	8230	0.053	ng	# 95
16) Acenaphthylene	14.002	152	13582	0.058	ng	# 28
18) Fluorene	15.309	166	24570	0.121	ng	# 63
25) Phenanthrene	17.054	178	319978	1.317	ng	# 76
26) Anthracene	17.139	178	10386	0.089	ng	# 63
28) Fluoranthene	19.093	202	108822	0.382	ng	# 86
30) Pyrene	19.455	202	102693	0.435	ng	# 78
32) Benzo(a)anthracene	21.217	228	23702m	0.178	ng	
33) Chrysene	21.259	228	52124m	0.269	ng	
34) Bis(2-ethylhexyl)phtha...	21.153	149	953081	12.677	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.740	276	8463	0.057	ng	# 78
37) Benzo(b)fluoranthene	22.813	252	33036m	0.167	ng	
38) Benzo(k)fluoranthene	22.831	252	11074m	0.059	ng	
41) Benzo(g,h,i)perylene	26.435	276	12289	0.083	ng	# 1

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

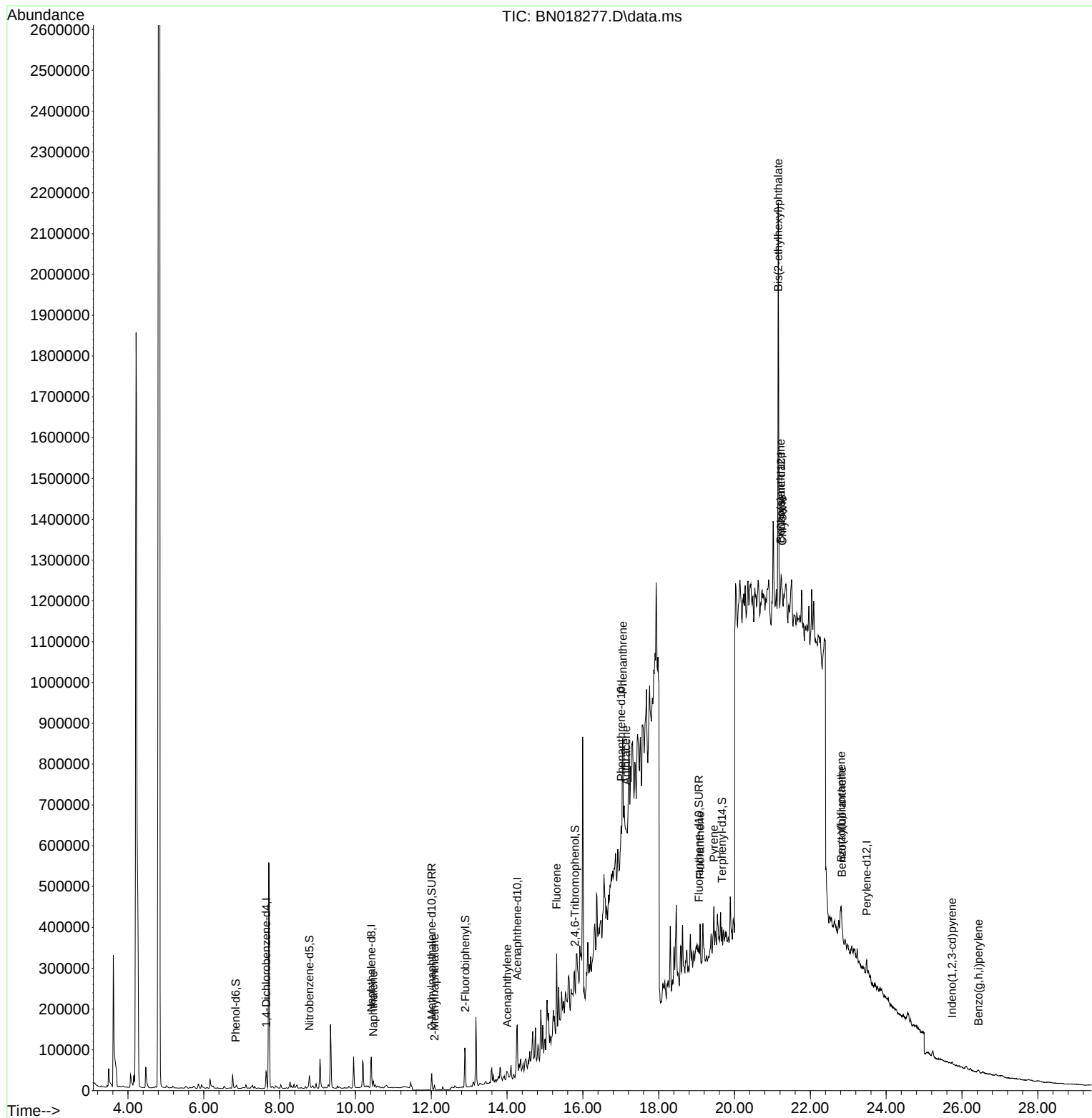
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
Data File : BN018277.D
Acq On : 30 Dec 2021 02:02
Operator : CG/JU
Sample : M5107-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

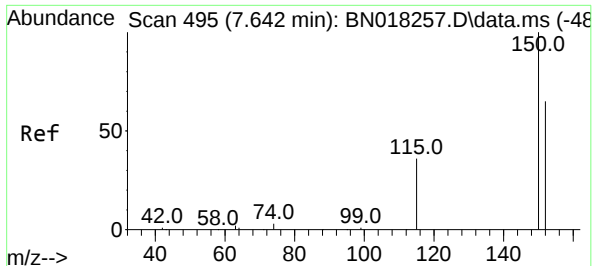
Instrument :
BNA_N
ClientSampleId :
OB-CS-05

Manual Integrations
APPROVED

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

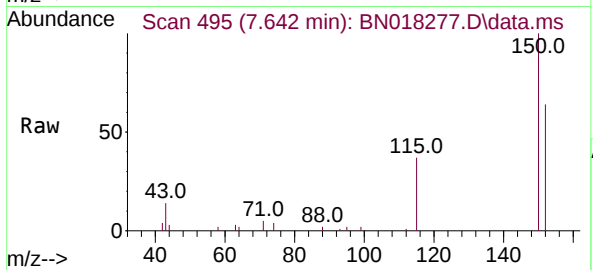
Quant Time: Dec 30 03:04:42 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 29 16:08:47 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

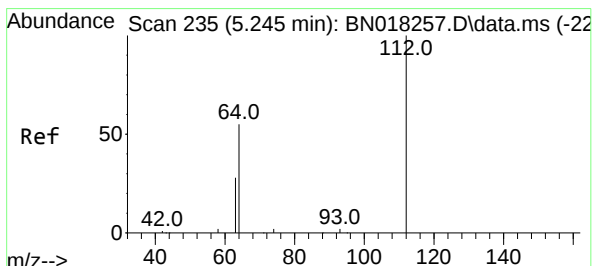
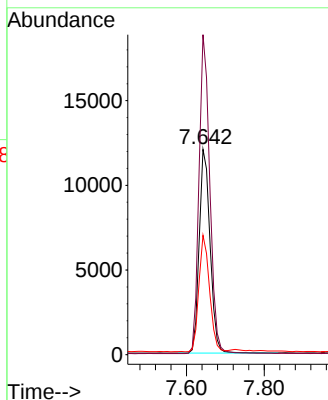
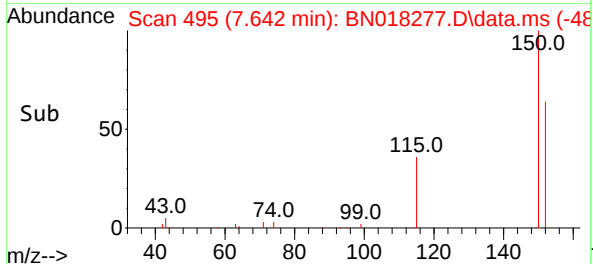
Instrument :
BNA_N
ClientSampleId :
OB-CS-05



Tgt Ion:152 Resp: 23520
Ion Ratio Lower Upper
152 100
150 155.9 121.7 182.5
115 58.1 43.8 65.8

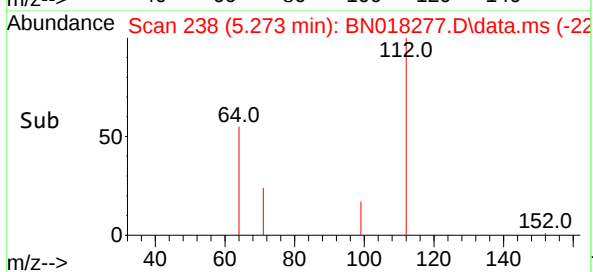
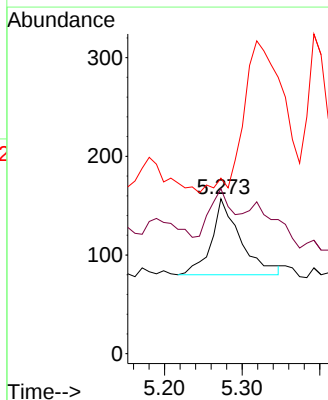
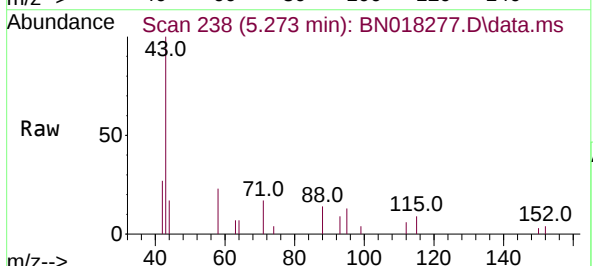
Manual Integrations
APPROVED

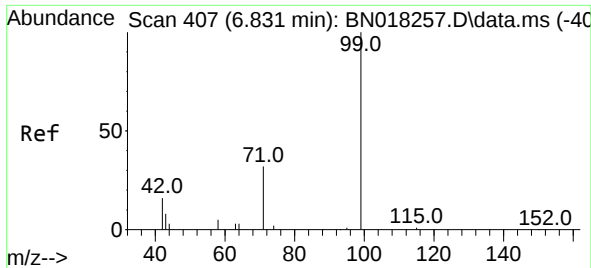
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#4
2-Fluorophenol
Concen: 0.004 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.028 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

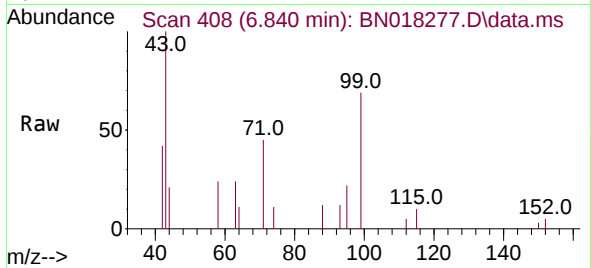
Tgt Ion:112 Resp: 200
Ion Ratio Lower Upper
112 100
64 45.0 48.0 72.0#
63 0.0 25.3 37.9#





#5
Phenol-d6
Concen: 0.054 ng
RT: 6.840 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

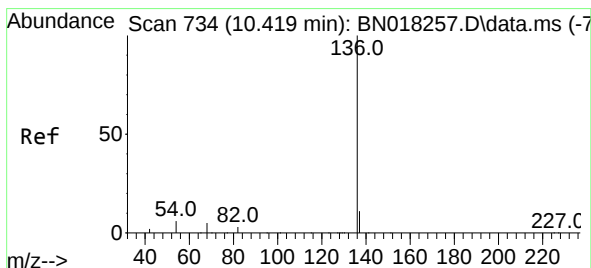
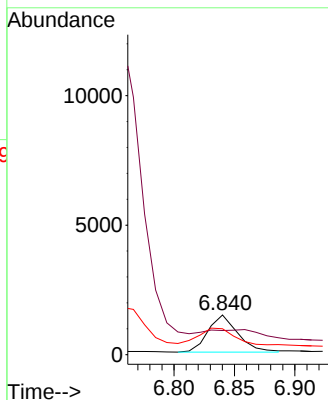
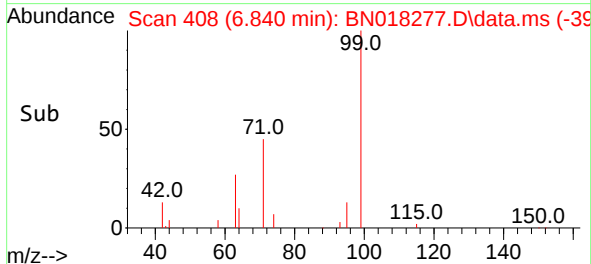
Instrument :
BNA_N
ClientSampleId :
OB-CS-05



Tgt Ion: 99 Resp: 247
Ion Ratio Lower Upper
99 100
42 0.0 16.3 24.5
71 53.0 26.8 40.2

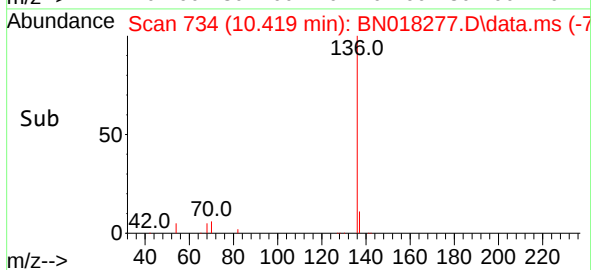
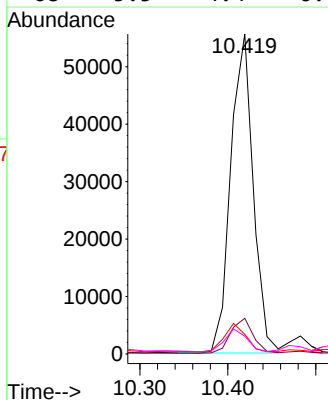
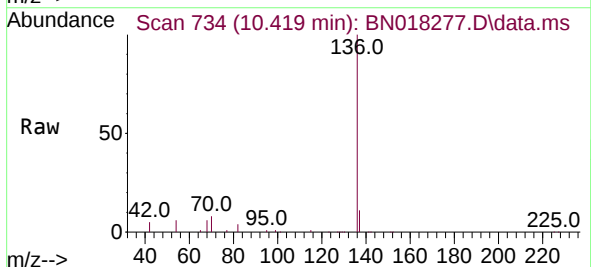
Manual Integrations
APPROVED

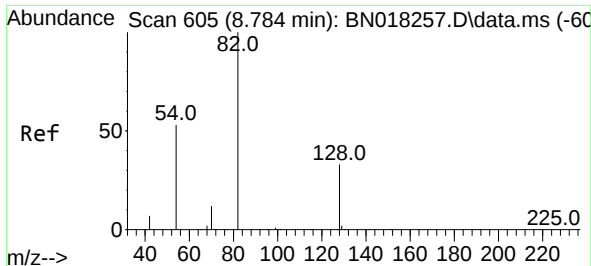
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 734
Delta R.T. 0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

Tgt Ion:136 Resp: 98497
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.1 5.0 7.6
68 5.5 4.4 6.6





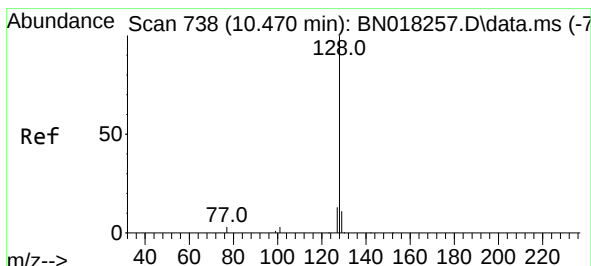
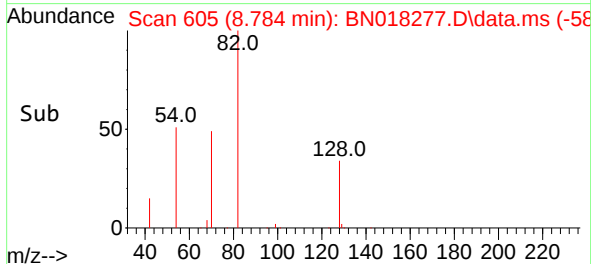
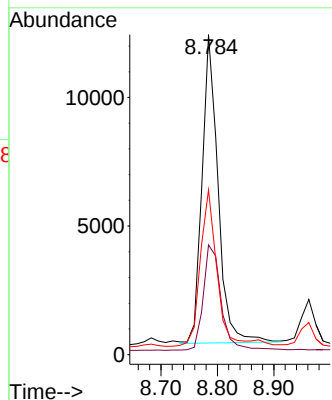
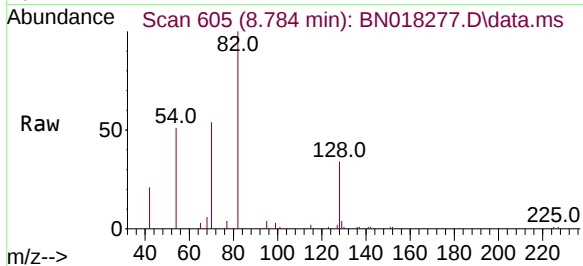
#8
Nitrobenzene-d5
Concen: 0.461 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

Instrument :
BNA_N
ClientSampleId :
OB-CS-05

Tgt Ion: 82 Resp: 2365
Ion Ratio Lower Upper
82 100
128 34.3 33.7 50.5
54 51.5 36.6 55.0

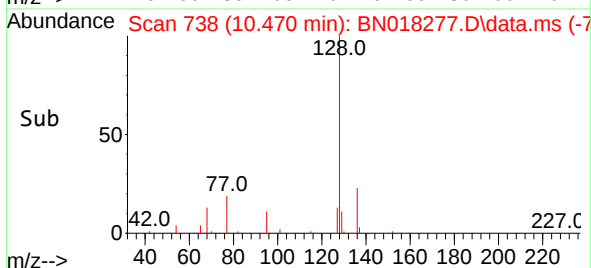
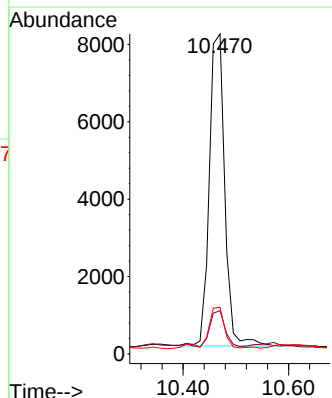
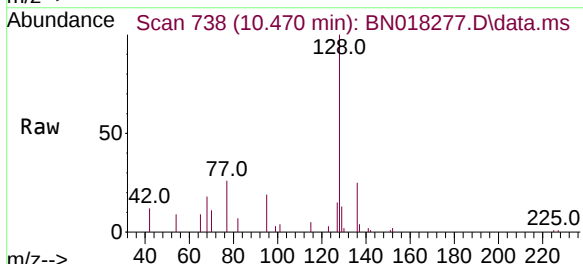
Manual Integrations
APPROVED

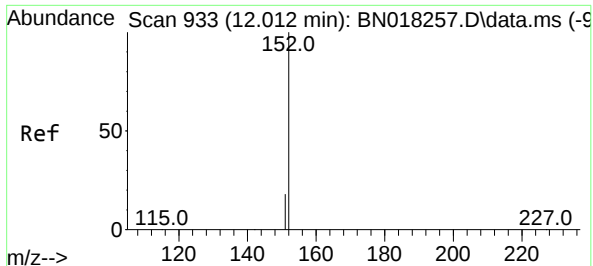
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#9
Naphthalene
Concen: 0.067 ng
RT: 10.470 min Scan# 738
Delta R.T. -0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

Tgt Ion:128 Resp: 16366
Ion Ratio Lower Upper
128 100
129 13.5 8.7 13.1#
127 14.5 10.4 15.6





#11

2-Methylnaphthalene-d10

Concen: 0.332 ng

RT: 12.012 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN018277.D

Acq: 30 Dec 2021 02:02

Instrument :

BNA_N

ClientSampleId :

OB-CS-05

Tgt Ion:152 Resp: 5505

Ion Ratio Lower Upper

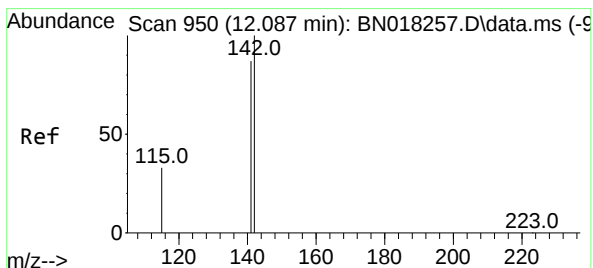
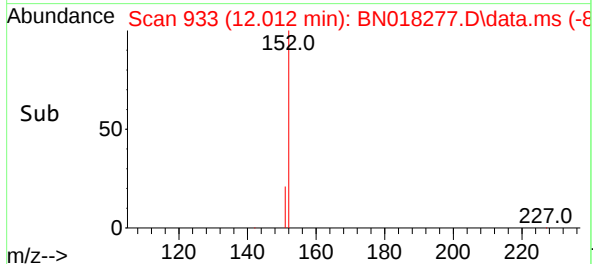
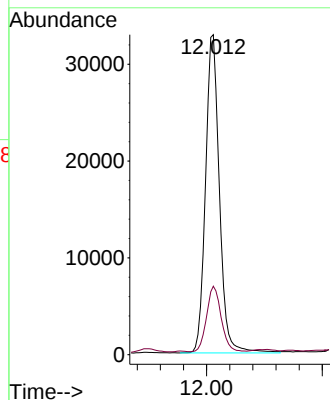
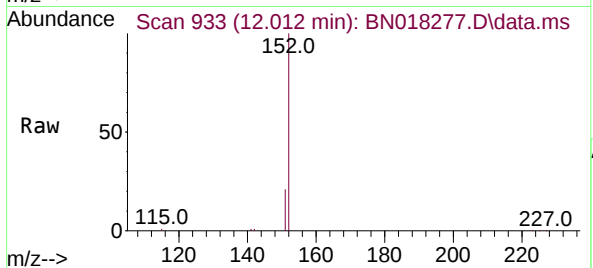
152 100

151 21.6 16.2 24.2

Manual Integrations

APPROVED

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



#12

2-Methylnaphthalene

Concen: 0.053 ng

RT: 12.083 min Scan# 949

Delta R.T. -0.005 min

Lab File: BN018277.D

Acq: 30 Dec 2021 02:02

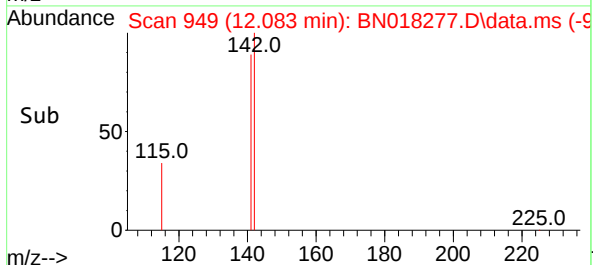
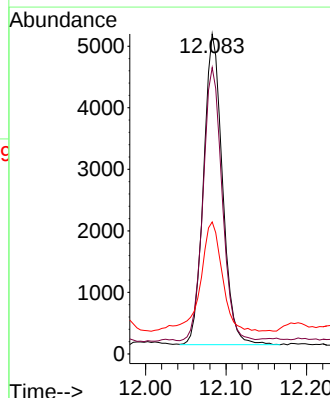
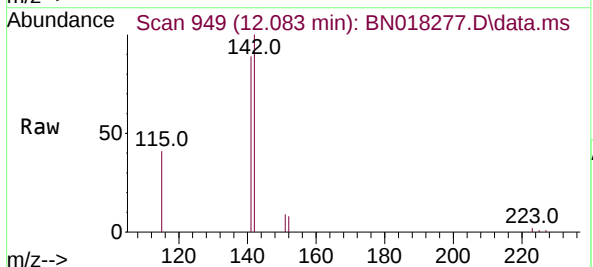
Tgt Ion:142 Resp: 8230

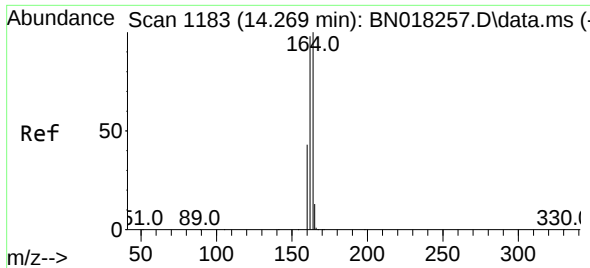
Ion Ratio Lower Upper

142 100

141 89.5 70.0 105.0

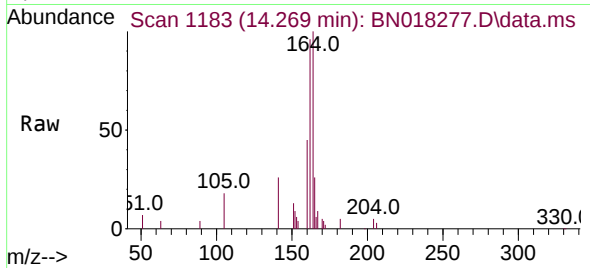
115 41.3 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

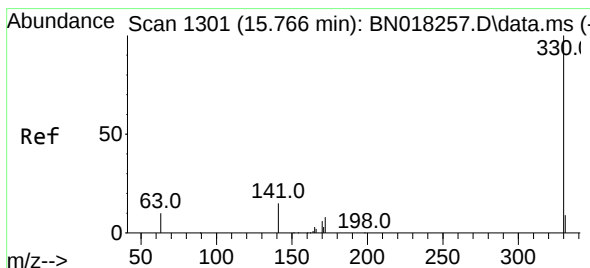
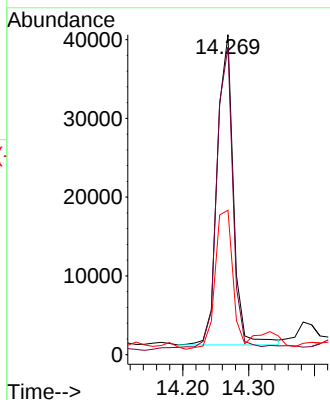
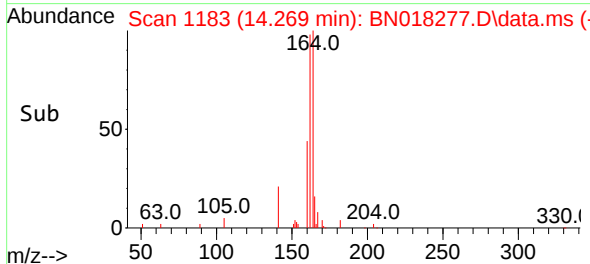
Instrument :
BNA_N
ClientSampleId :
OB-CS-05



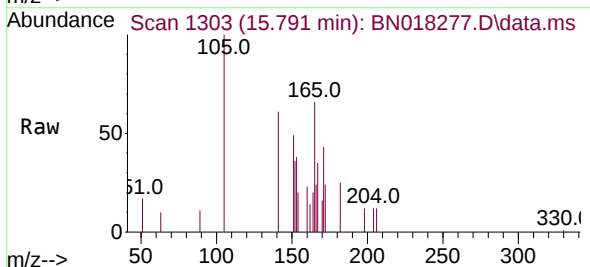
Tgt Ion:164 Resp: 66854
Ion Ratio Lower Upper
164 100
162 96.0 80.2 120.2
160 45.1 36.9 55.3

Manual Integrations
APPROVED

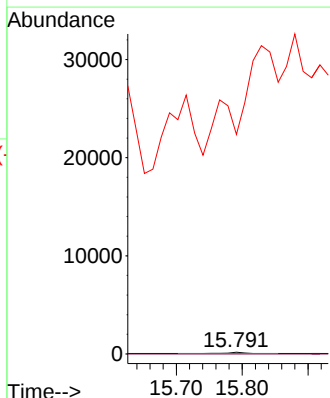
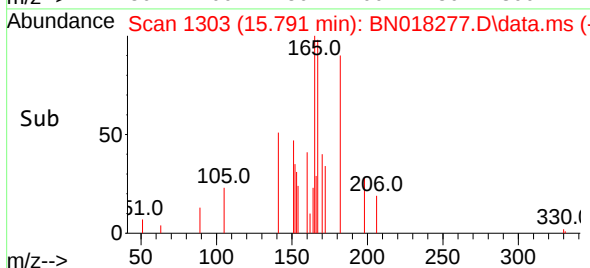
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

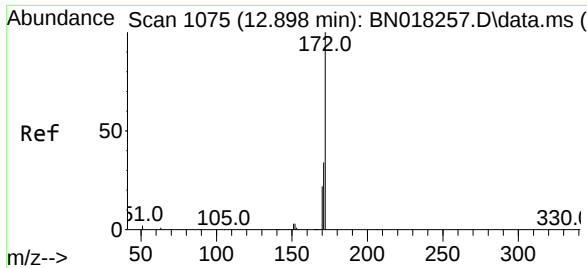


#14
2,4,6-Tribromophenol
Concen: 0.310 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.025 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02



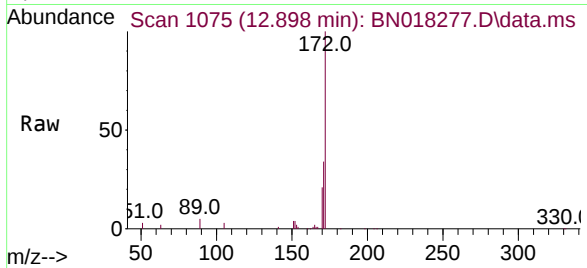
Tgt Ion:330 Resp: 199
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.330 ng
RT: 12.898 min Scan# 1075
Delta R.T. -0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

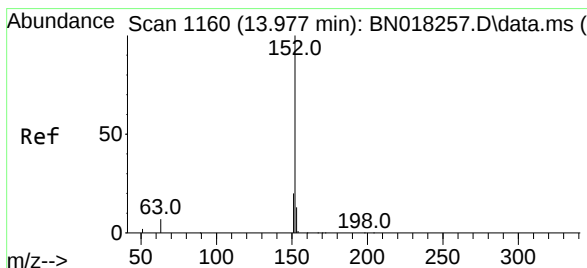
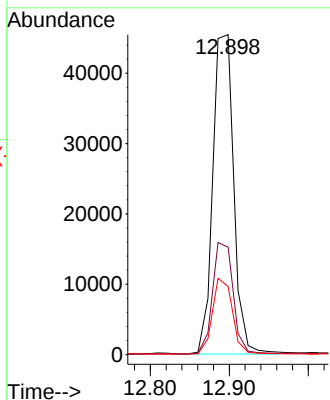
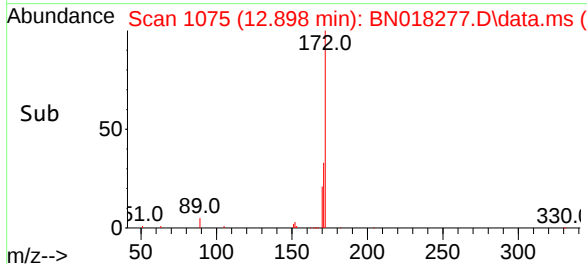
Instrument :
BNA_N
ClientSampleId :
OB-CS-05



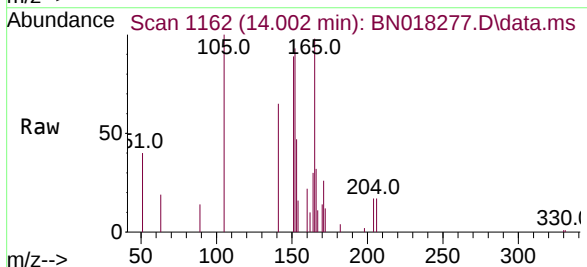
Tgt Ion:172 Resp: 83570
Ion Ratio Lower Upper
172 100
171 33.6 27.4 41.0
170 21.3 18.4 27.6

Manual Integrations
APPROVED

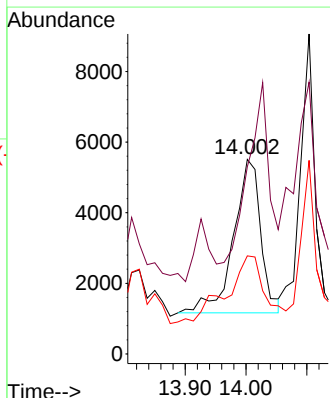
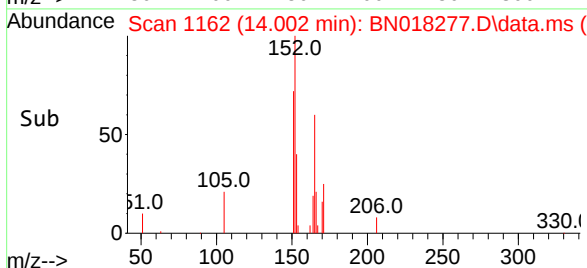
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

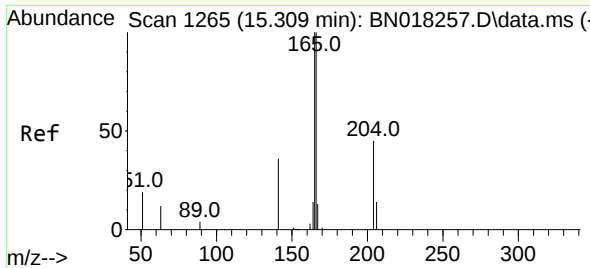


#16
Acenaphthylene
Concen: 0.058 ng
RT: 14.002 min Scan# 1162
Delta R.T. 0.025 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02



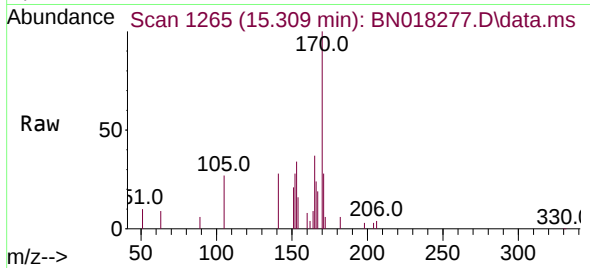
Tgt Ion:152 Resp: 13582
Ion Ratio Lower Upper
152 100
151 0.0 15.8 23.6#
153 59.1 10.5 15.7#





#18
Fluorene
Concen: 0.121 ng
RT: 15.309 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

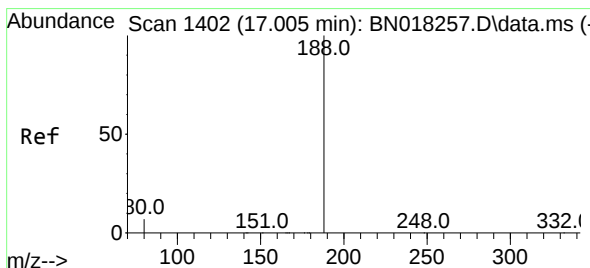
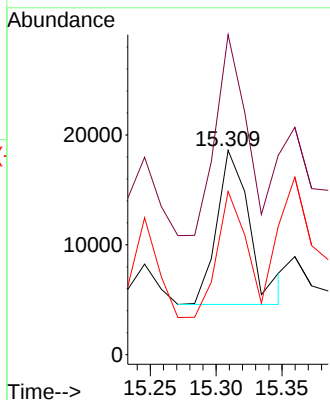
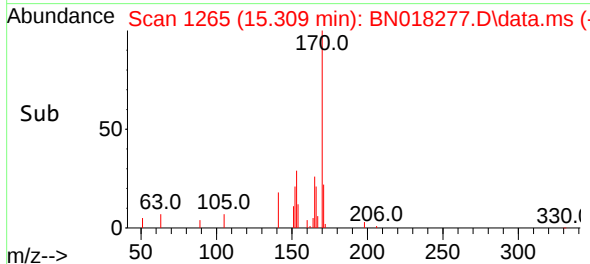
Instrument :
BNA_N
ClientSampleId :
OB-CS-05



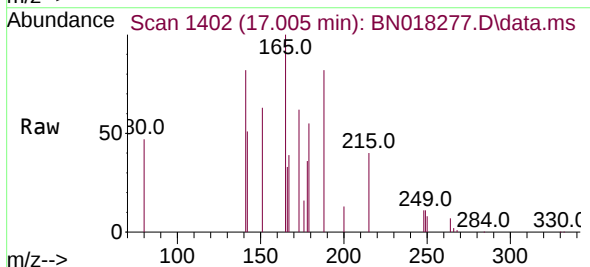
Tgt Ion:166 Resp: 24570
Ion Ratio Lower Upper
166 100
165 118.4 77.8 116.6
167 72.9 10.9 16.3

Manual Integrations
APPROVED

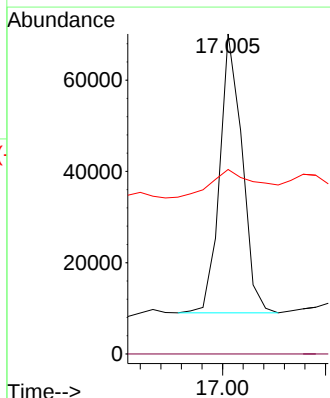
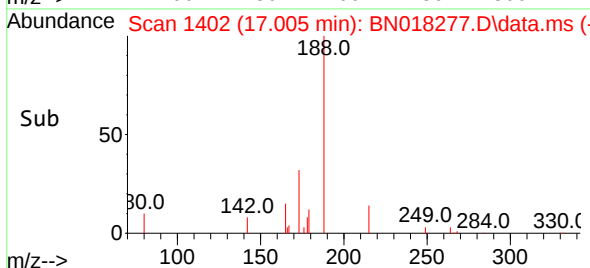
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

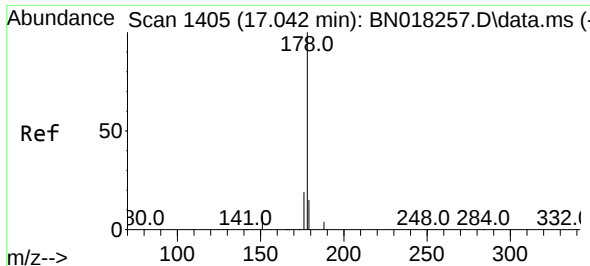


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.005 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02



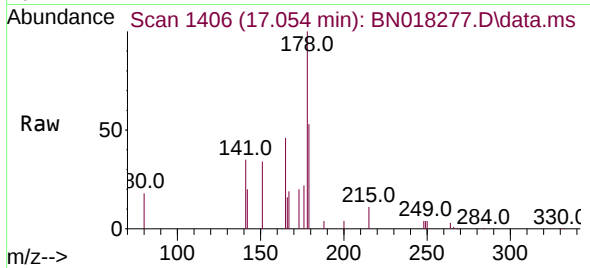
Tgt Ion:188 Resp: 92192
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 57.6 7.0 10.4





#25
Phenanthrene
Concen: 1.317 ng
RT: 17.054 min Scan# 1406
Delta R.T. 0.012 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

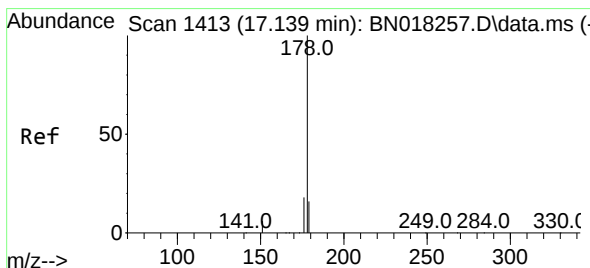
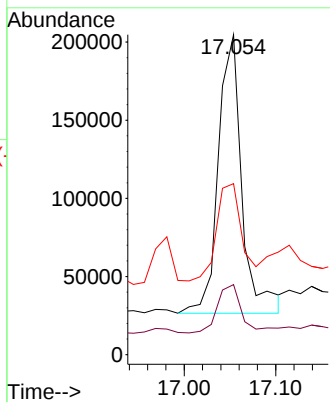
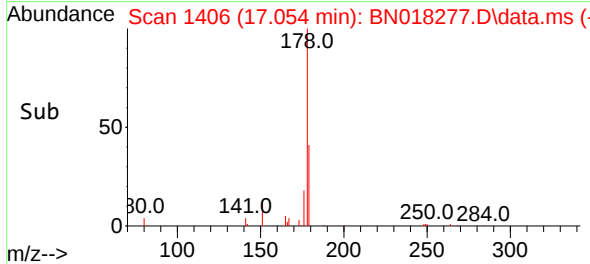
Instrument :
BNA_N
ClientSampleId :
OB-CS-05



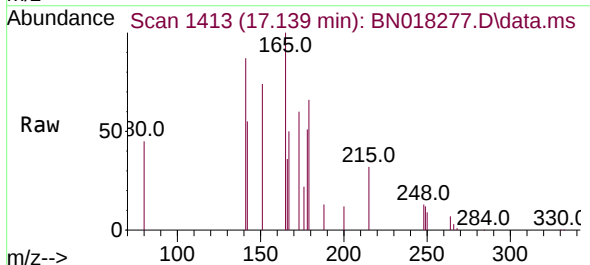
Tgt Ion:178 Resp: 319978
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 37.3 12.3 18.5

Manual Integrations
APPROVED

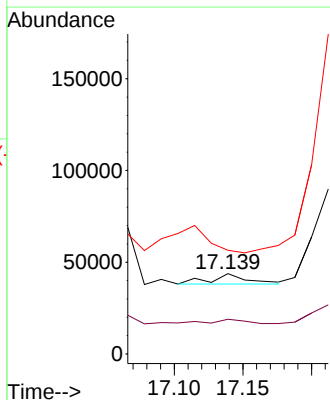
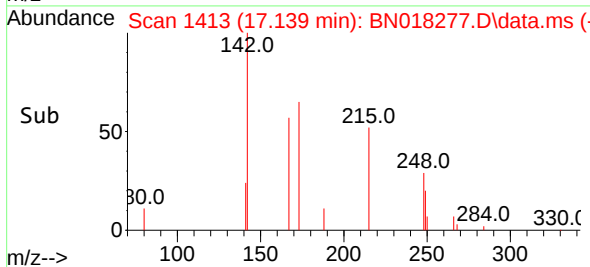
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

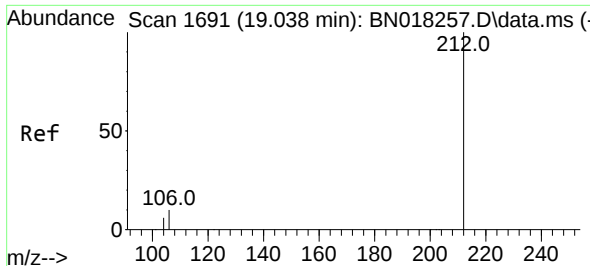


#26
Anthracene
Concen: 0.089 ng
RT: 17.139 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02



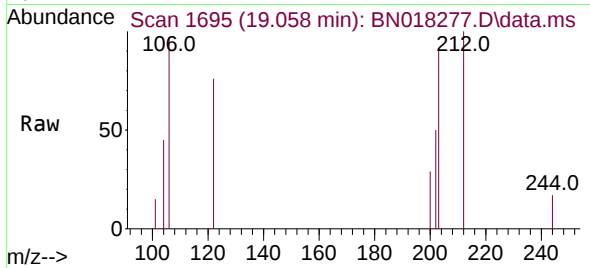
Tgt Ion:178 Resp: 10386
Ion Ratio Lower Upper
178 100
176 35.1 14.8 22.2#
179 0.0 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.362 ng m
RT: 19.058 min Scan# 1702
Delta R.T. 0.020 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

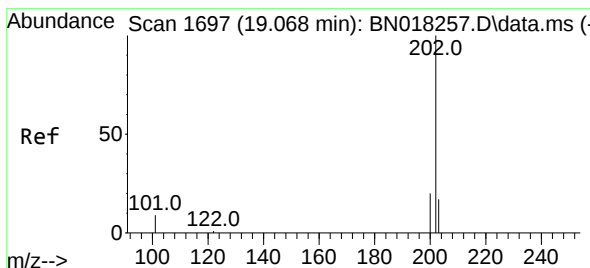
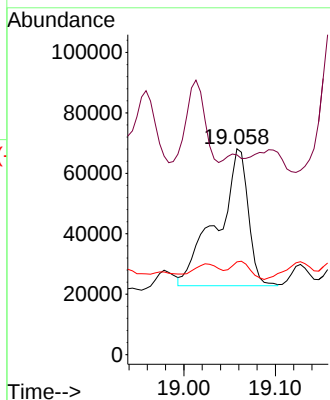
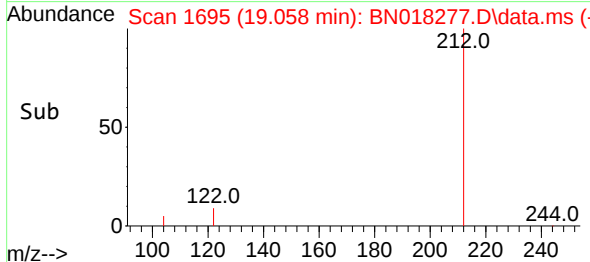
Instrument :
BNA_N
ClientSampleId :
OB-CS-05



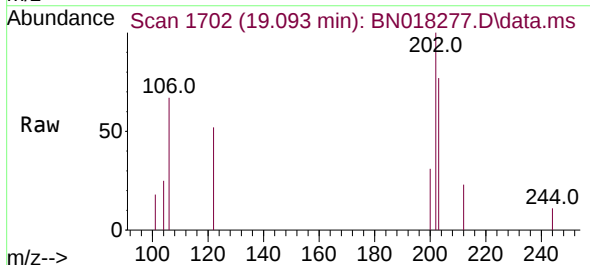
Tgt Ion:212 Resp: 106327
Ion Ratio Lower Upper
212 100
106 34.4 8.4 12.6#
104 5.1 4.5 6.7

Manual Integrations
APPROVED

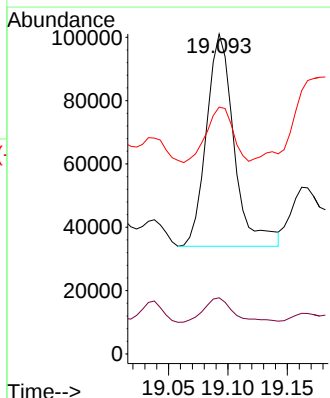
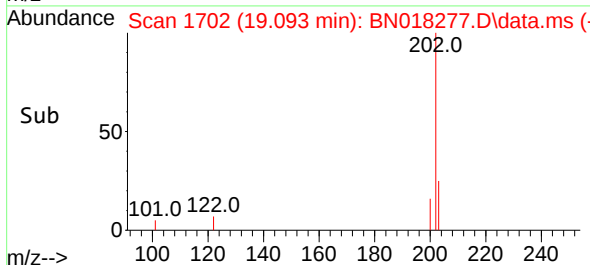
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

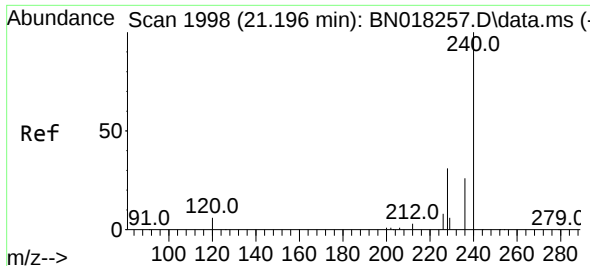


#28
Fluoranthene
Concen: 0.382 ng
RT: 19.093 min Scan# 1702
Delta R.T. 0.025 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02



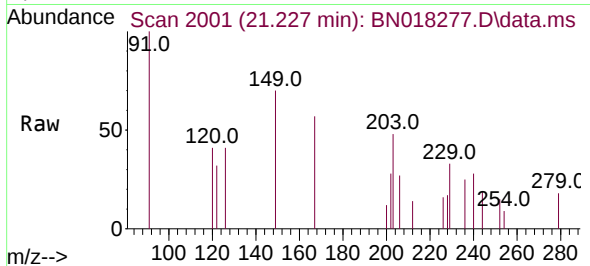
Tgt Ion:202 Resp: 108822
Ion Ratio Lower Upper
202 100
101 12.1 7.2 10.8#
203 24.6 13.7 20.5#





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.227 min Scan# 20
Delta R.T. 0.031 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

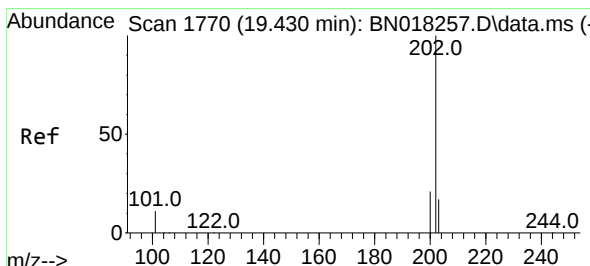
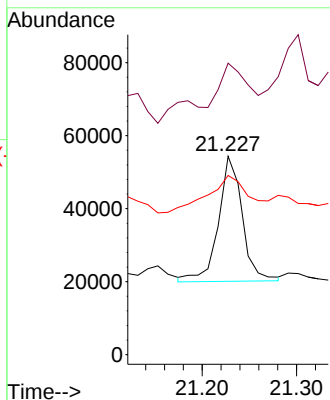
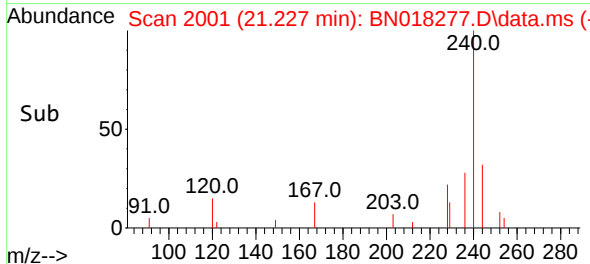
Instrument :
BNA_N
ClientSampleId :
OB-CS-05



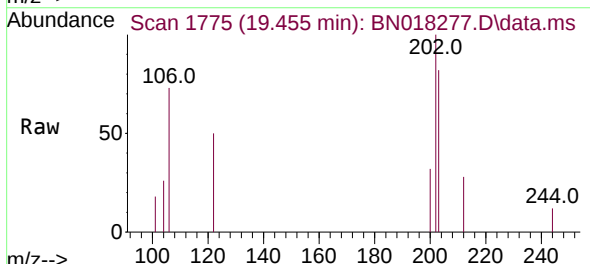
Tgt Ion:240 Resp: 6023
Ion Ratio Lower Upper
240 100
120 146.9 6.0 9.0
236 90.3 21.4 32.2

Manual Integrations
APPROVED

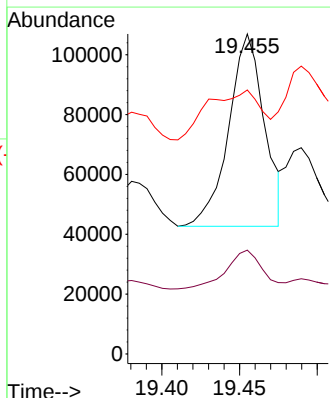
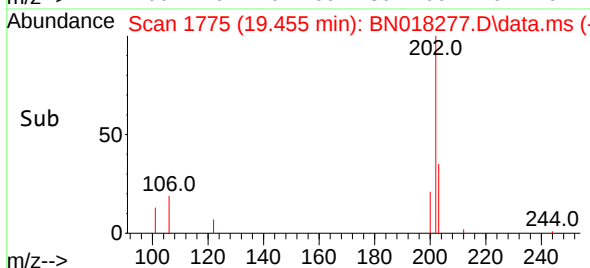
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

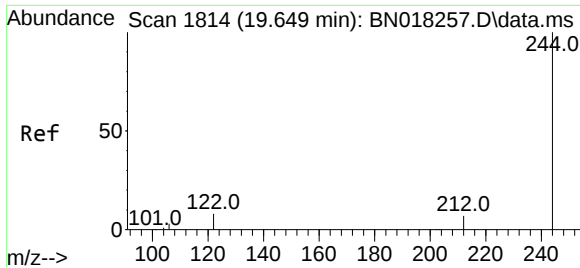


#30
Pyrene
Concen: 0.435 ng
RT: 19.455 min Scan# 1775
Delta R.T. 0.025 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02



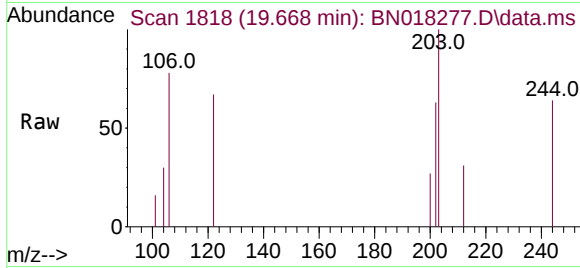
Tgt Ion:202 Resp: 102693
Ion Ratio Lower Upper
202 100
200 20.5 16.6 25.0
203 38.5 14.1 21.1





#31
 Terphenyl-d14
 Concen: 0.369 ng
 RT: 19.668 min Scan# 11
 Delta R.T. 0.020 min
 Lab File: BN018277.D
 Acq: 30 Dec 2021 02:02

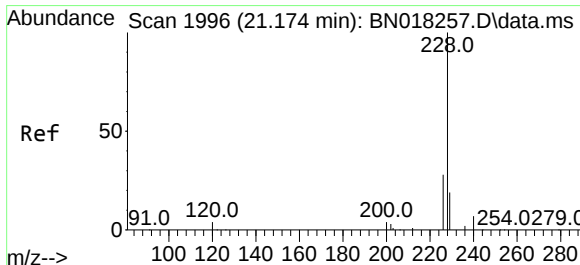
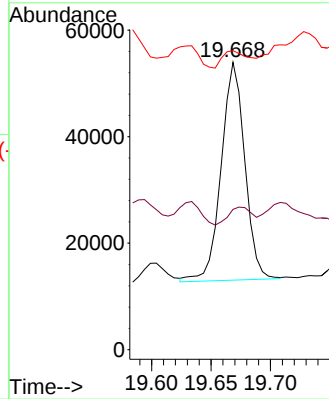
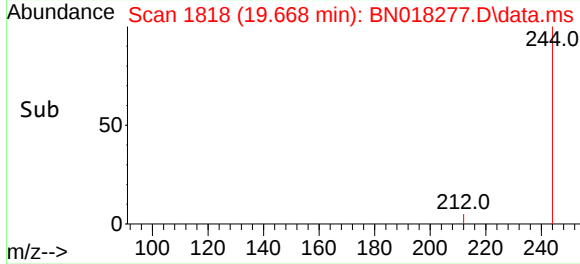
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-05



Tgt Ion:244 Resp: 56469
 Ion Ratio Lower Upper
 244 100
 212 48.8 6.2 9.2#
 122 104.1 7.9 11.9#

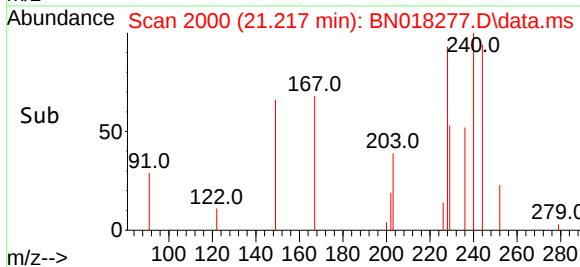
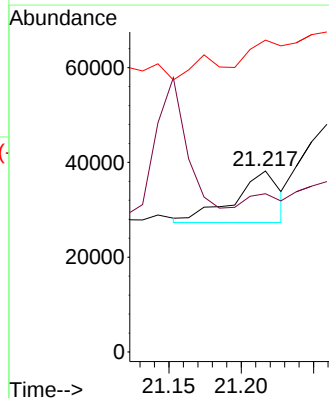
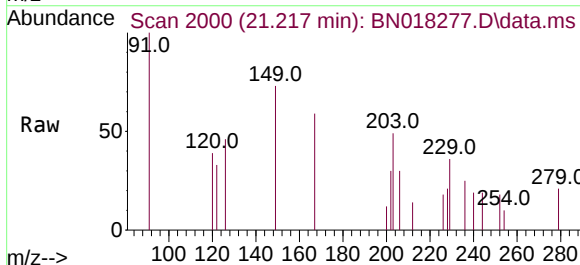
Manual Integrations
 APPROVED

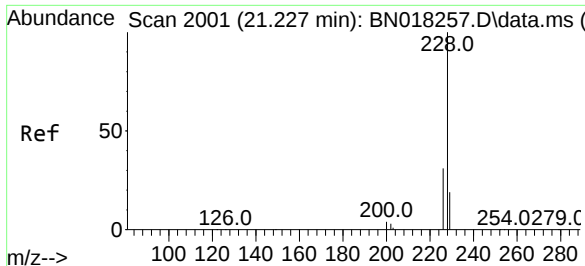
Reviewed By :Jagrut Upadhyay 12/30/2021
 Supervised By :mohammad ahmed 12/30/2021



#32
 Benzo(a)anthracene
 Concen: 0.178 ng m
 RT: 21.217 min Scan# 2000
 Delta R.T. 0.043 min
 Lab File: BN018277.D
 Acq: 30 Dec 2021 02:02

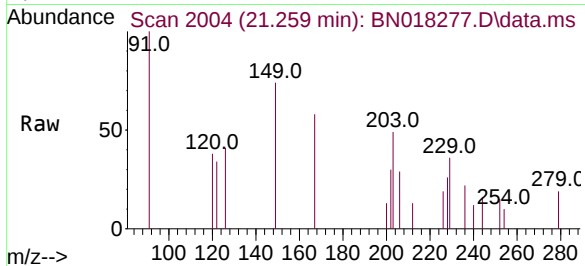
Tgt Ion:228 Resp: 23702
 Ion Ratio Lower Upper
 228 100
 226 87.4 21.3 31.9#
 229 172.3 15.9 23.9#





#33
Chrysene
Concen: 0.269 ng m
RT: 21.259 min Scan# 2001
Delta R.T. 0.032 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

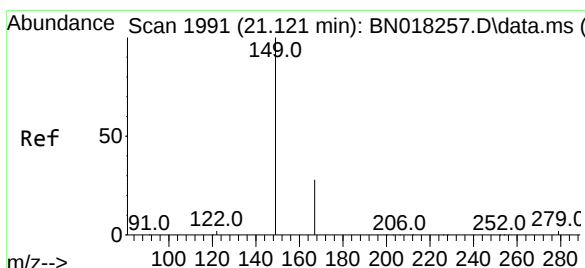
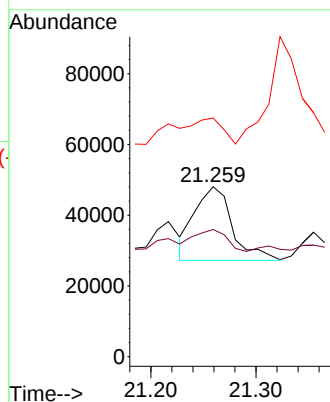
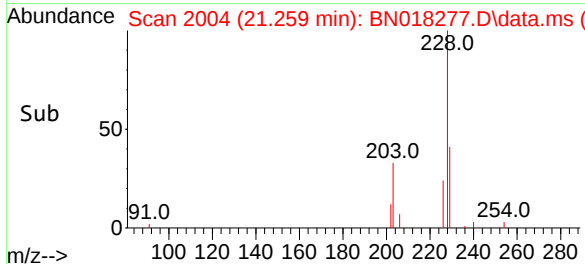
Instrument :
BNA_N
ClientSampleId :
OB-CS-05



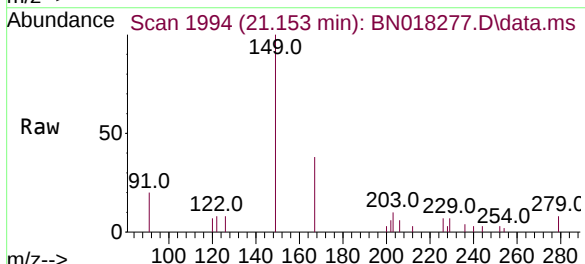
Tgt Ion:228 Resp: 52124
Ion Ratio Lower Upper
228 100
226 74.8 24.2 36.4
229 140.5 15.5 23.3

Manual Integrations
APPROVED

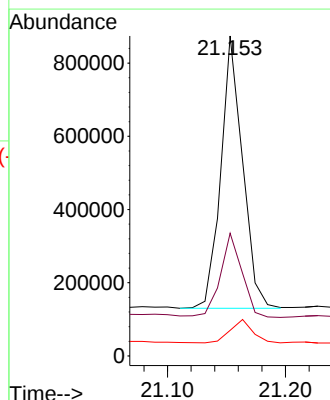
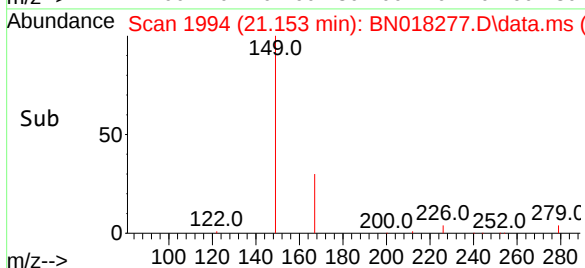
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

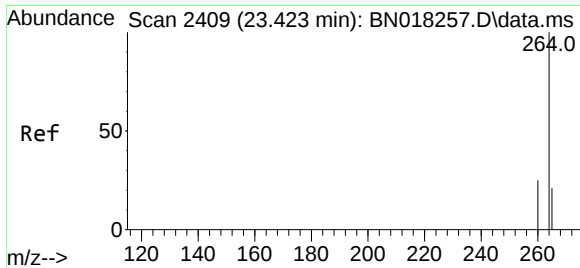


#34
Bis(2-ethylhexyl)phthalate
Concen: 12.677 ng
RT: 21.153 min Scan# 1994
Delta R.T. 0.032 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02



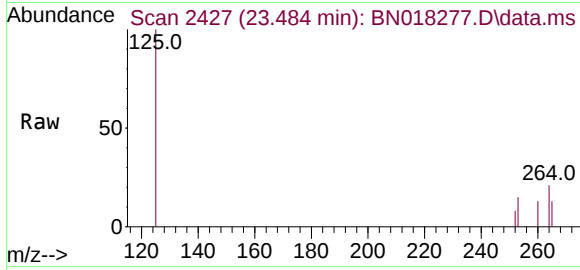
Tgt Ion:149 Resp: 953081
Ion Ratio Lower Upper
149 100
167 30.7 23.7 35.5
279 8.7 3.6 5.4





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.484 min Scan# 2409
Delta R.T. 0.061 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

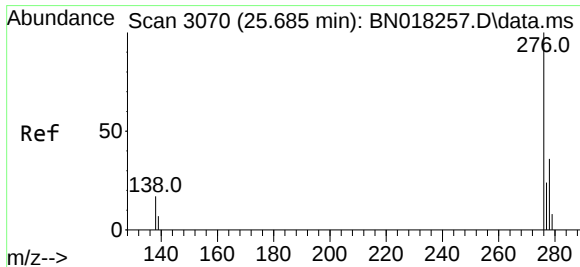
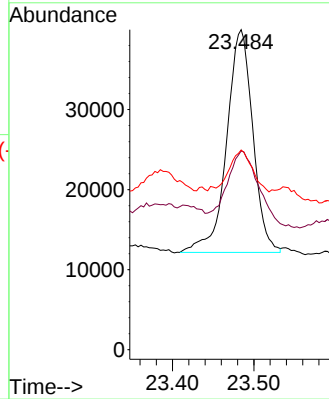
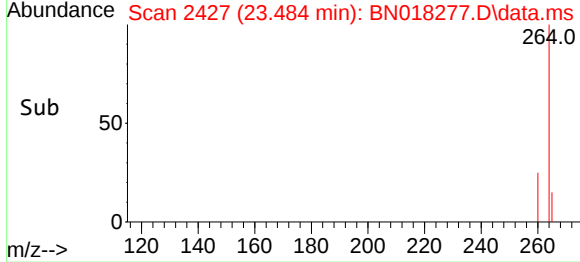
Instrument :
BNA_N
ClientSampleId :
OB-CS-05



Tgt Ion:264 Resp: 62228
Ion Ratio Lower Upper
264 100
260 62.1 20.2 30.4
265 62.4 18.2 27.2

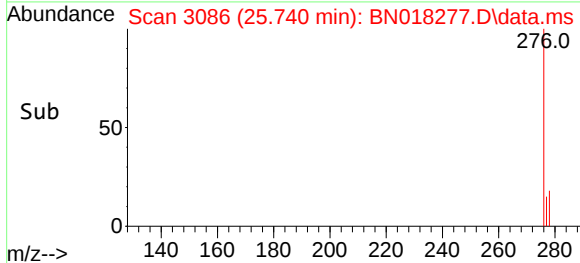
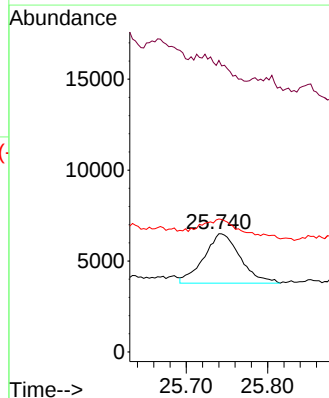
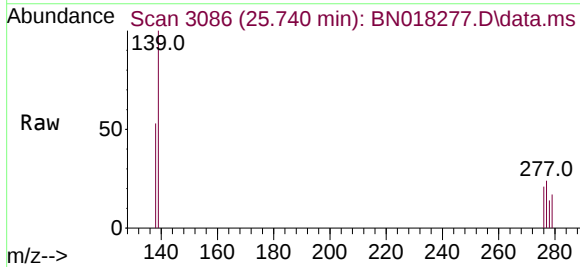
Manual Integrations
APPROVED

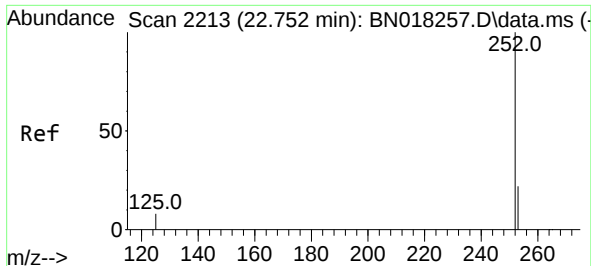
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.057 ng
RT: 25.740 min Scan# 3086
Delta R.T. 0.055 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

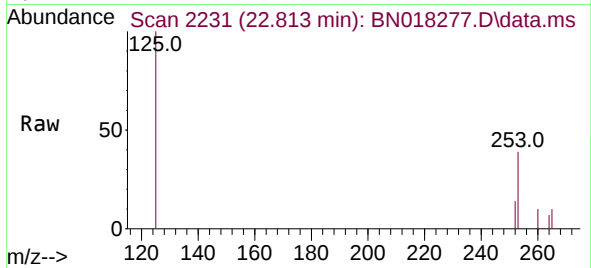
Tgt Ion:276 Resp: 8463
Ion Ratio Lower Upper
276 100
138 0.0 14.9 22.3
277 28.5 19.9 29.9





#37
Benzo(b)fluoranthene
Concen: 0.167 ng m
RT: 22.813 min Scan# 2213
Delta R.T. 0.061 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02

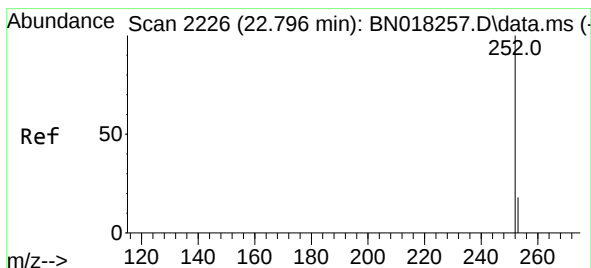
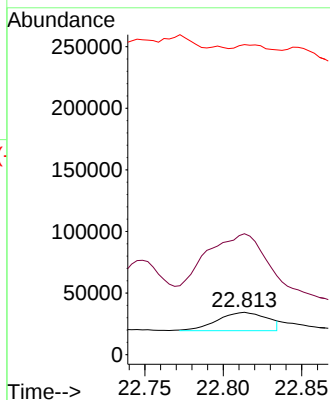
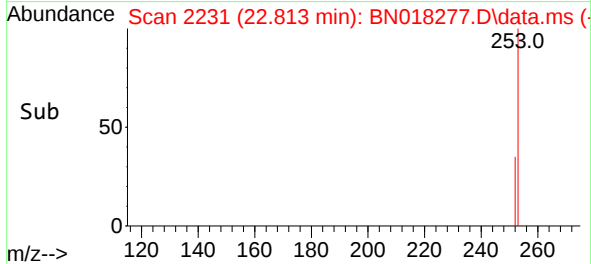
Instrument :
BNA_N
ClientSampleId :
OB-CS-05



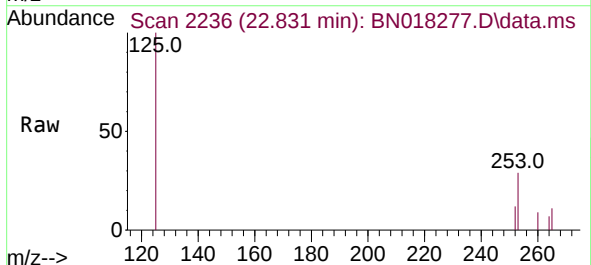
Tgt Ion:252 Resp: 33030
Ion Ratio Lower Upper
252 100
253 285.2 17.8 26.6#
125 731.2 6.0 9.0#

Manual Integrations
APPROVED

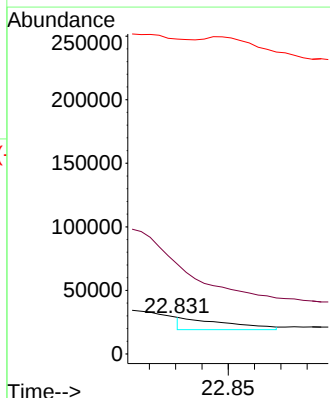
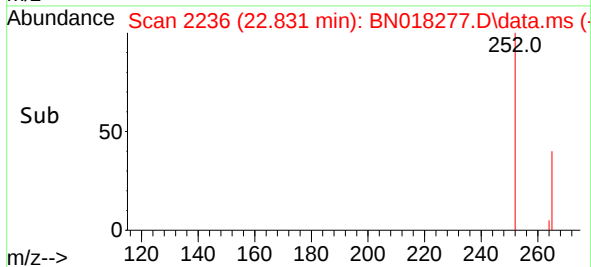
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

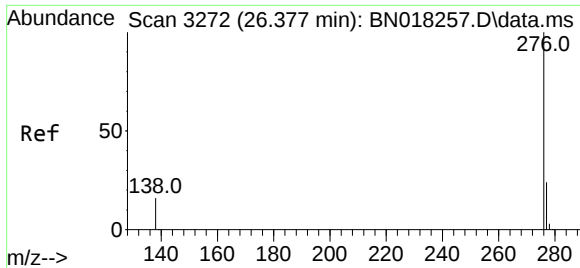


#38
Benzo(k)fluoranthene
Concen: 0.059 ng m
RT: 22.831 min Scan# 2236
Delta R.T. 0.034 min
Lab File: BN018277.D
Acq: 30 Dec 2021 02:02



Tgt Ion:252 Resp: 11074
Ion Ratio Lower Upper
252 100
253 245.4 17.7 26.5#
125 860.2 6.2 9.2#





#41

Benzo(g,h,i)perylene

Concen: 0.083 ng

RT: 26.435 min Scan# 31

Delta R.T. 0.058 min

Lab File: BN018277.D

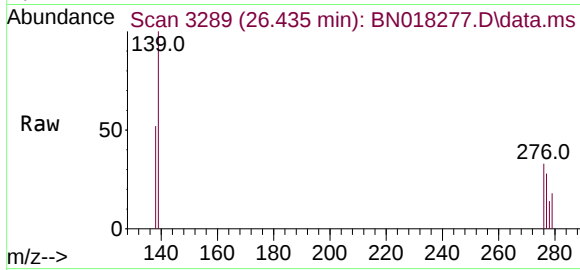
Acq: 30 Dec 2021 02:02

Instrument :

BNA_N

ClientSampleId :

OB-CS-05



Tgt Ion:276 Resp: 12289

Ion Ratio Lower Upper

276 100

277 84.9 19.0 28.6

138 157.4 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/30/2021

Supervised By :mohammad ahmed 12/30/2021

