

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
 Data File : BN018192.D
 Acq On : 23 Dec 2021 23:14
 Operator : CG/JU
 Sample : M5107-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-01

Manual Integrations
 APPROVED

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

Quant Time: Dec 24 23:33:02 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	18992	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	80104	0.400	ng	# 0.00
13) Acenaphthene-d10	14.256	164	51351	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	105252	0.400	ng	0.00
29) Chrysene-d12	21.195	240	81045	0.400	ng	# 0.00
35) Perylene-d12	23.429	264	90029	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.254	112	569	0.014	ng	0.03
5) Phenol-d6	6.822	99	1120	0.025	ng	0.00
8) Nitrobenzene-d5	8.772	82	14693	0.273	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	32635	0.237	ng	0.00
14) 2,4,6-Tribromophenol	15.753	330	238	0.187	ng	0.00
15) 2-Fluorobiphenyl	12.873	172	51487	0.268	ng	-0.01
27) Fluoranthene-d10	19.033	212	73529	0.221	ng	0.00
31) Terphenyl-d14	19.639	244	58315	0.327	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.444	128	15951	0.081	ng	97
12) 2-Methylnaphthalene	12.065	142	39483	0.302	ng	98
24) Pentachlorophenol	16.664	266	379	0.304	ng	98
25) Phenanthrene	17.029	178	88059m	0.315	ng	
26) Anthracene	17.127	178	10847	0.047	ng	# 84
28) Fluoranthene	19.063	202	114008	0.350	ng	99
30) Pyrene	19.425	202	102487	0.394	ng	96
32) Benzo(a)anthracene	21.174	228	51828	0.220	ng	# 83
33) Chrysene	21.227	228	58520	0.228	ng	# 86
34) Bis(2-ethylhexyl)phtha...	21.132	149	218210	1.923	ng	99
36) Indeno(1,2,3-cd)pyrene	25.695	276	35905	0.138	ng	100
37) Benzo(b)fluoranthene	22.759	252	64932	0.233	ng	# 1
38) Benzo(k)fluoranthene	22.800	252	35891m	0.128	ng	
39) Benzo(a)pyrene	23.330	252	42460	0.170	ng	# 1
40) Dibenzo(a,h)anthracene	25.709	278	15734	0.101	ng	# 1
41) Benzo(g,h,i)perylene	26.383	276	39219	0.163	ng	# 66

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

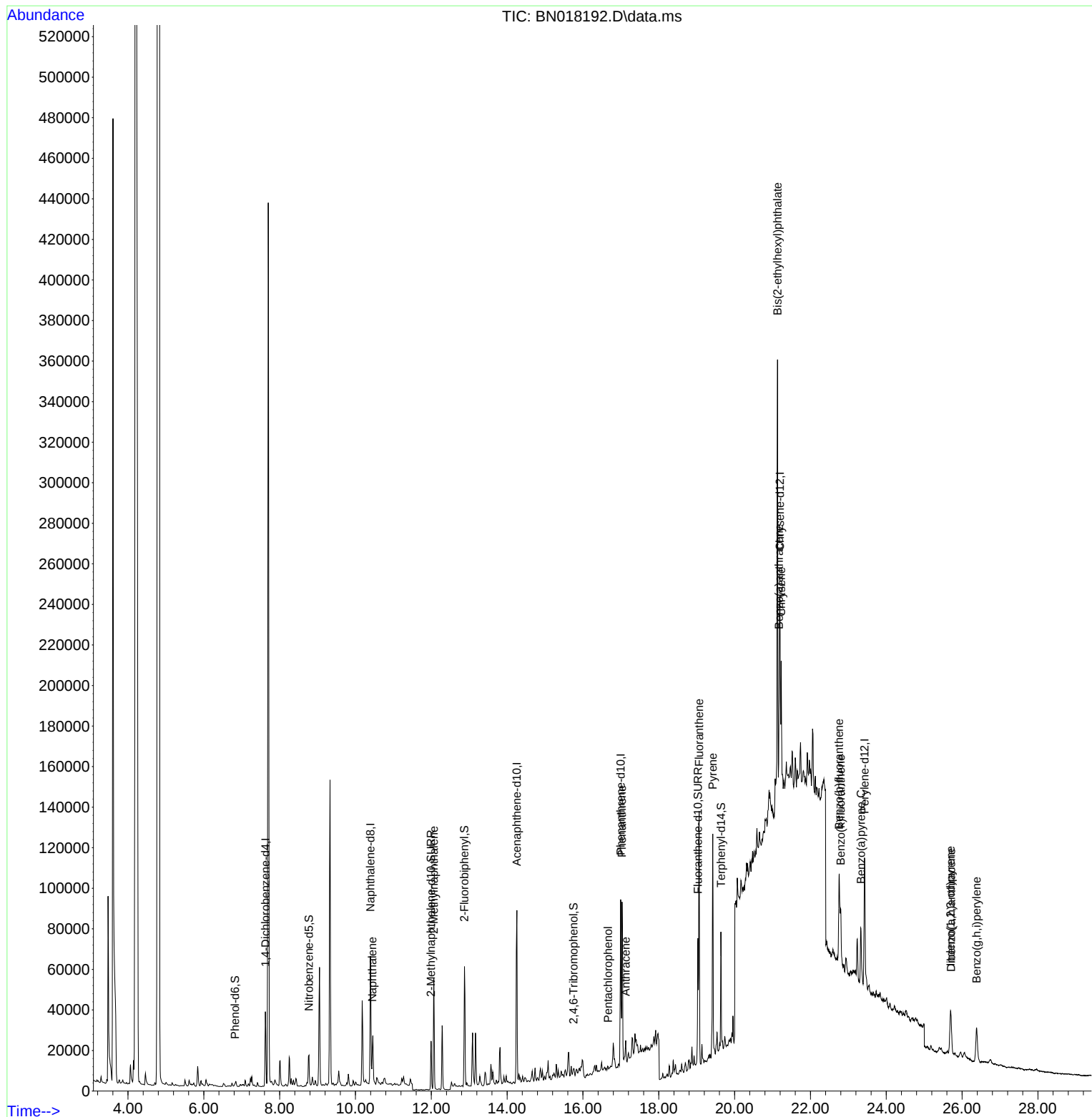
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
Data File : BN018192.D
Acq On : 23 Dec 2021 23:14
Operator : CG/JU
Sample : M5107-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

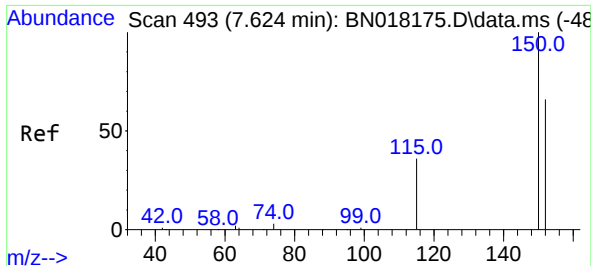
Instrument :
BNA_N
ClientSampleId :
OB-CS-01

Manual Integrations
APPROVED

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

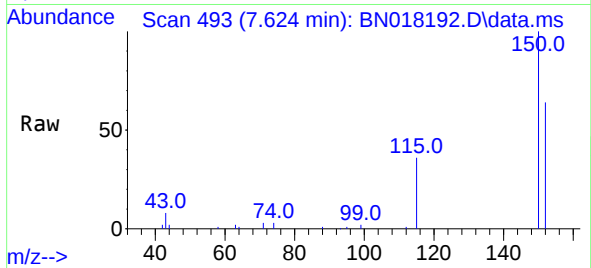
Quant Time: Dec 24 23:33:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 23 14:22:48 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.624 min Scan# 493
Delta R.T. -0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

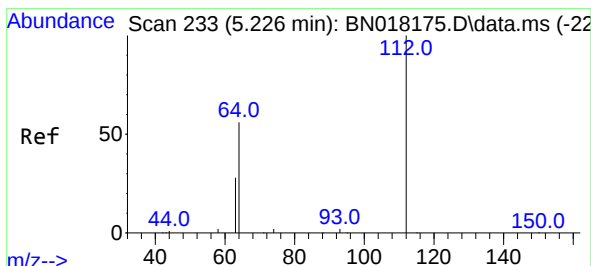
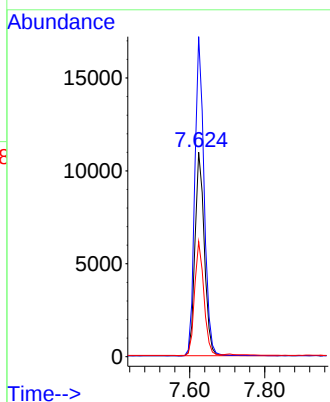
Instrument :
BNA_N
ClientSampleId :
OB-CS-01



Tgt Ion:152 Resp: 18992
Ion Ratio Lower Upper
152 100
150 156.5 121.7 182.5
115 56.3 43.8 65.8

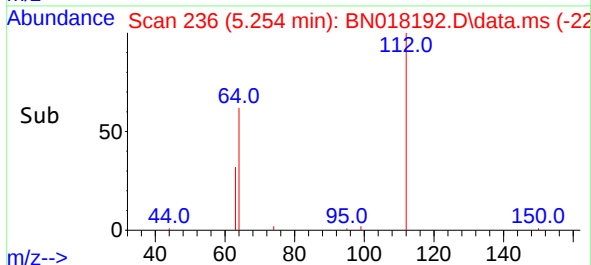
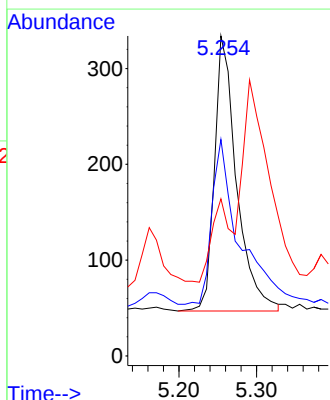
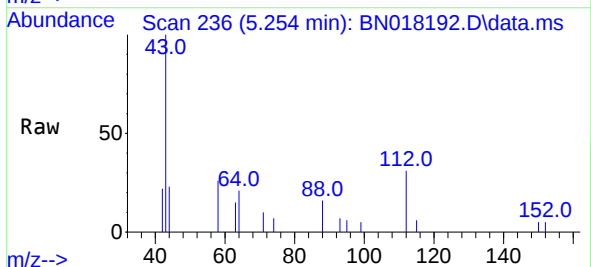
Manual Integrations
APPROVED

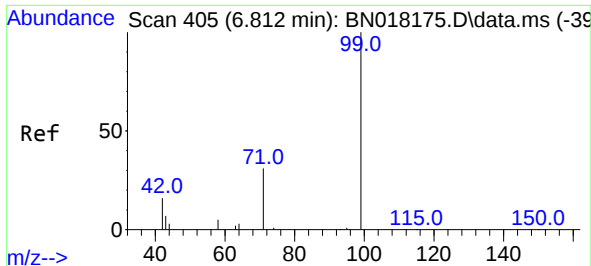
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#4
2-Fluorophenol
Concen: 0.014 ng
RT: 5.254 min Scan# 236
Delta R.T. 0.028 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

Tgt Ion:112 Resp: 569
Ion Ratio Lower Upper
112 100
64 73.3 48.0 72.0#
63 26.4 25.3 37.9





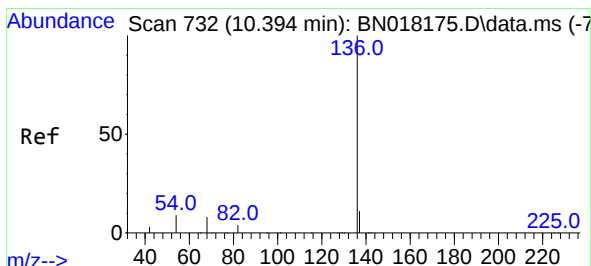
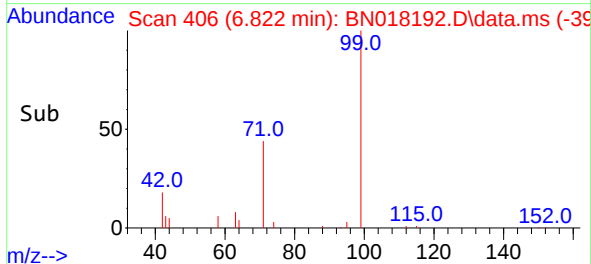
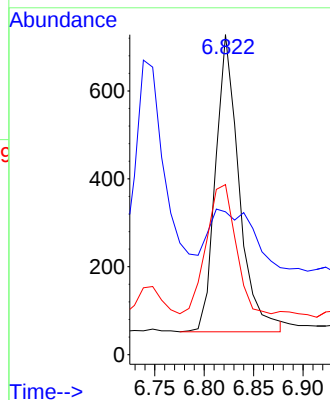
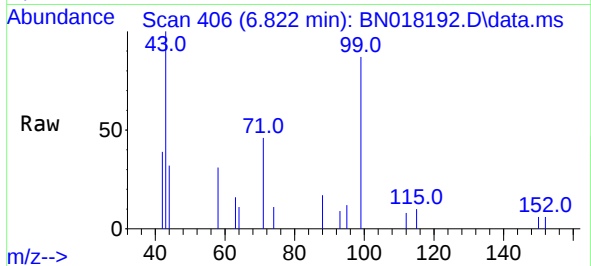
#5
Phenol-d6
Concen: 0.025 ng
RT: 6.822 min Scan# 405
Delta R.T. 0.010 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

Instrument :
BNA_N
ClientSampleId :
OB-CS-01

Tgt Ion: 99 Resp: 1120
Ion Ratio Lower Upper
99 100
42 35.1 16.3 24.5
71 53.7 26.8 40.2

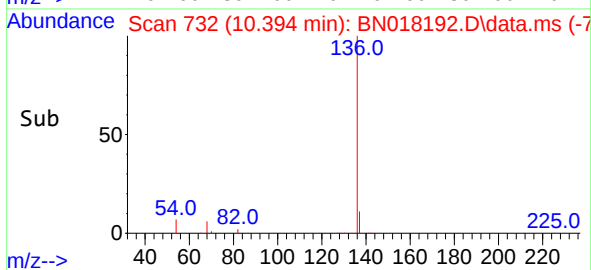
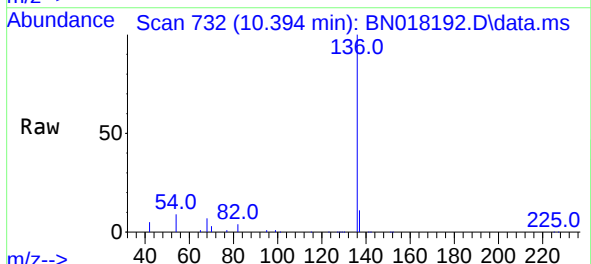
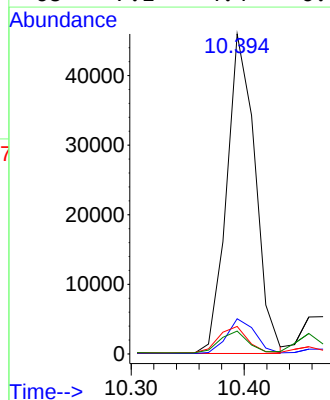
Manual Integrations
APPROVED

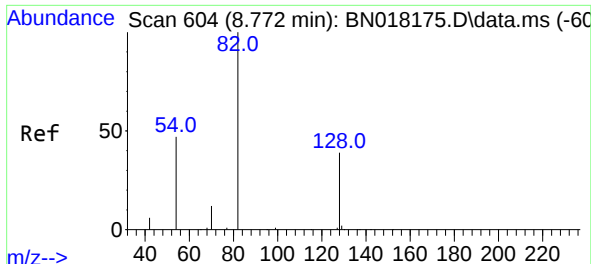
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

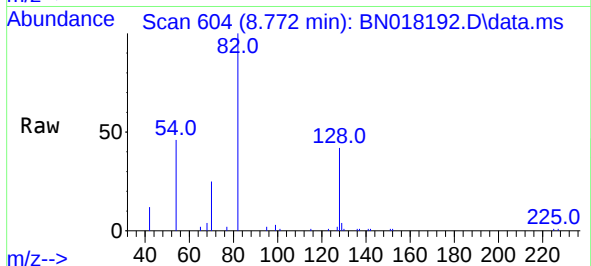
Tgt Ion:136 Resp: 80104
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.6 5.0 7.6#
68 7.1 4.4 6.6#





#8
Nitrobenzene-d5
Concen: 0.273 ng
RT: 8.772 min Scan# 604
Delta R.T. -0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

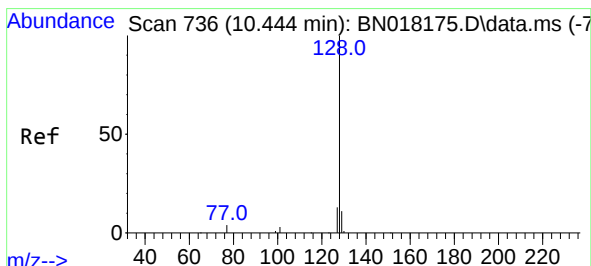
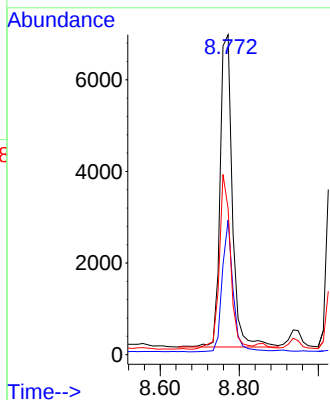
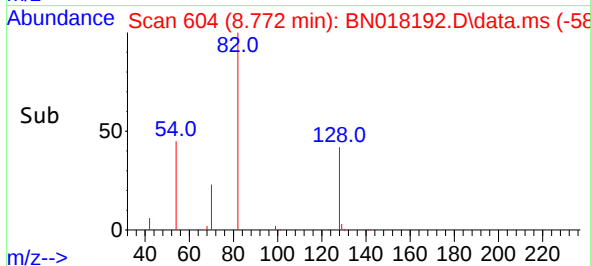
Instrument :
BNA_N
ClientSampleId :
OB-CS-01



Tgt Ion: 82 Resp: 1469
Ion Ratio Lower Upper
82 100
128 42.1 33.7 50.5
54 45.6 36.6 55.0

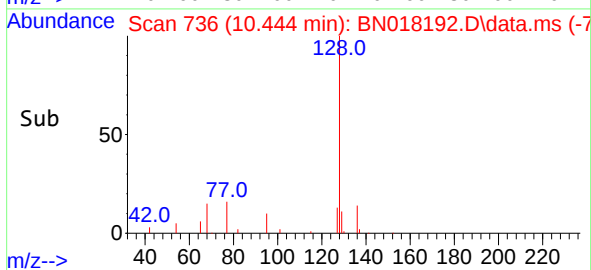
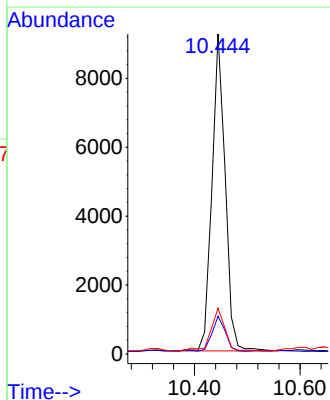
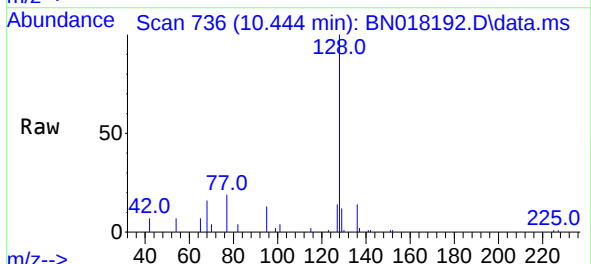
Manual Integrations
APPROVED

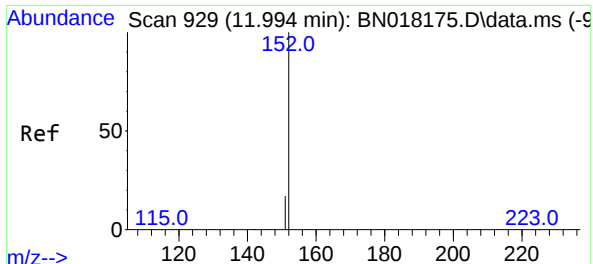
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#9
Naphthalene
Concen: 0.081 ng
RT: 10.444 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

Tgt Ion:128 Resp: 15951
Ion Ratio Lower Upper
128 100
129 11.8 8.7 13.1
127 14.3 10.4 15.6





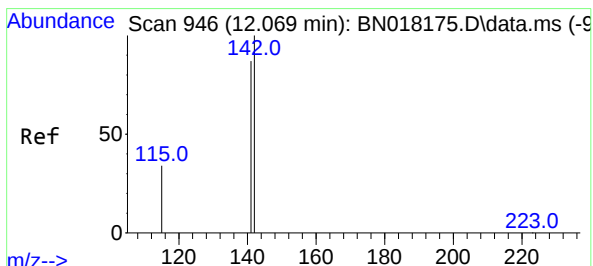
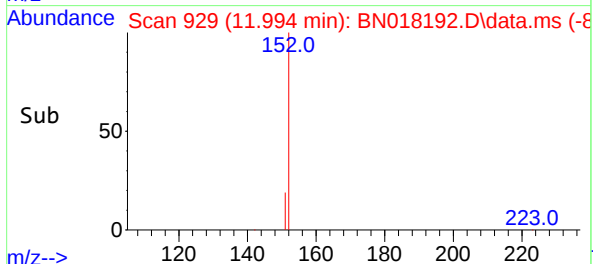
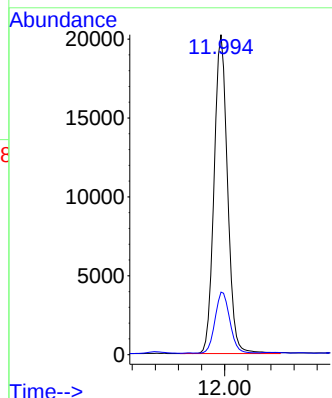
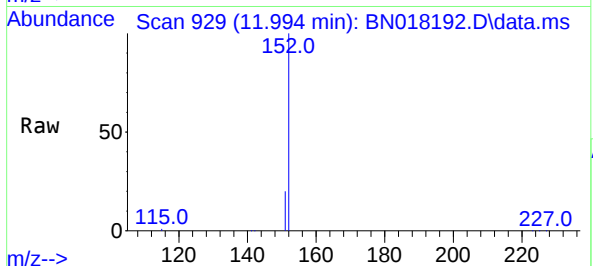
#11
2-Methylnaphthalene-d10
Concen: 0.237 ng
RT: 11.994 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

Instrument :
BNA_N
ClientSampleId :
OB-CS-01

Tgt Ion:152 Resp: 3263
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.2

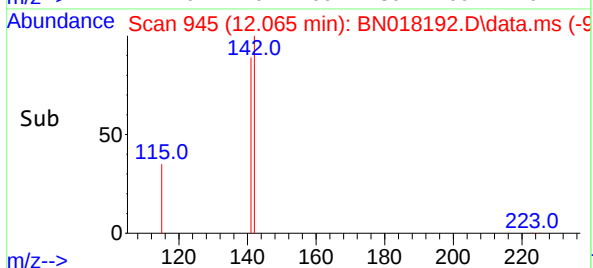
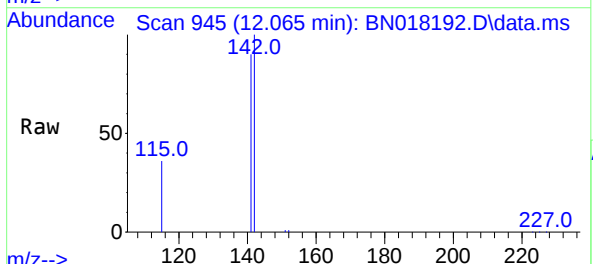
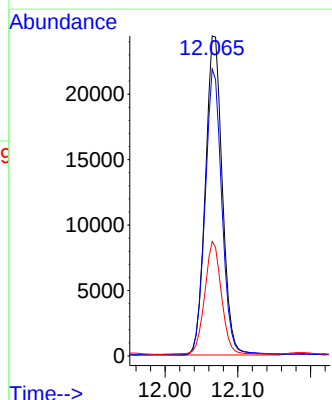
Manual Integrations
APPROVED

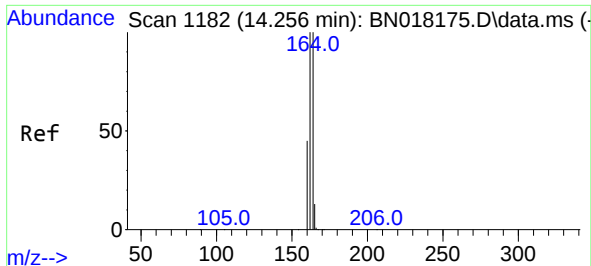
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#12
2-Methylnaphthalene
Concen: 0.302 ng
RT: 12.065 min Scan# 945
Delta R.T. -0.004 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

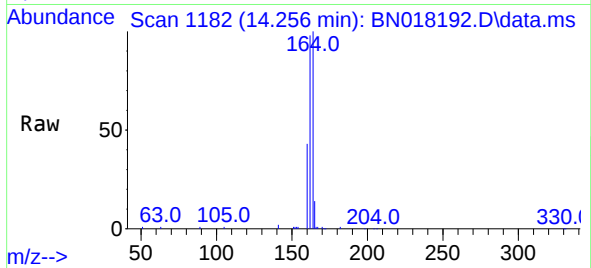
Tgt Ion:142 Resp: 39483
Ion Ratio Lower Upper
142 100
141 89.6 70.0 105.0
115 35.8 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

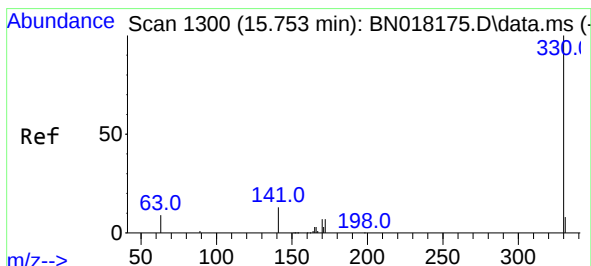
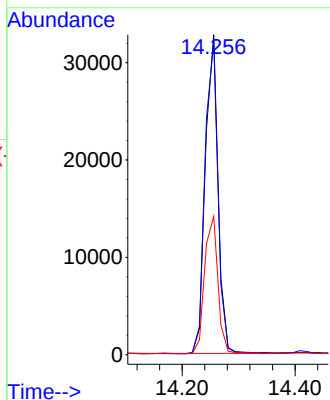
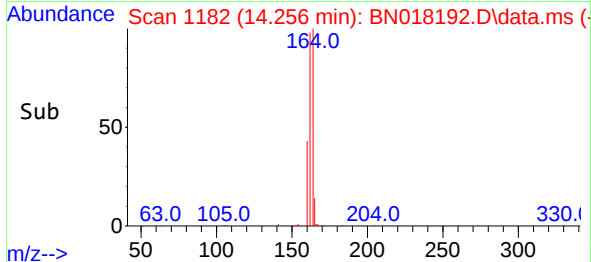
Instrument :
BNA_N
ClientSampleId :
OB-CS-01



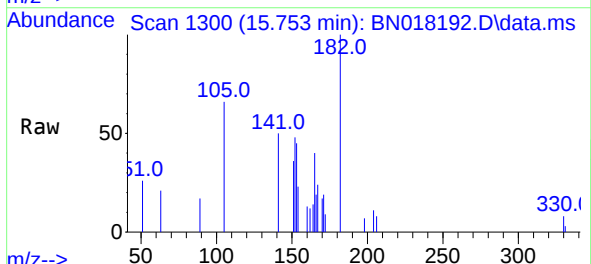
Tgt Ion:164 Resp: 5135
Ion Ratio Lower Upper
164 100
162 97.7 80.2 120.2
160 43.2 36.9 55.3

Manual Integrations
APPROVED

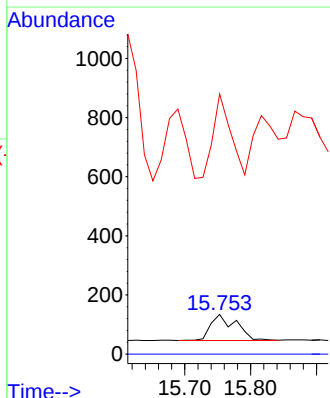
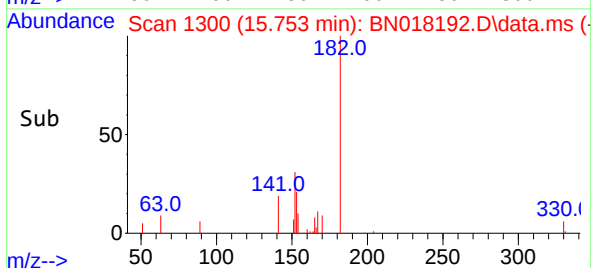
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

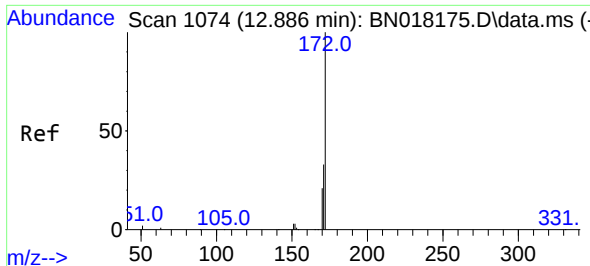


#14
2,4,6-Tribromophenol
Concen: 0.187 ng
RT: 15.753 min Scan# 1300
Delta R.T. -0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14



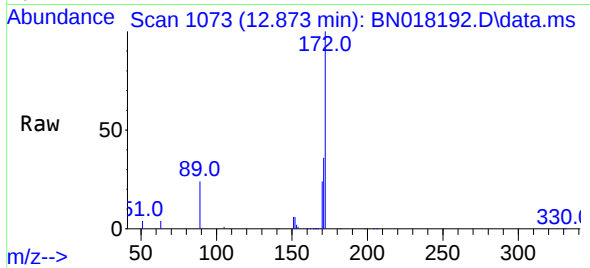
Tgt Ion:330 Resp: 238
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 221.4 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.268 ng
RT: 12.873 min Scan# 1073
Delta R.T. -0.013 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

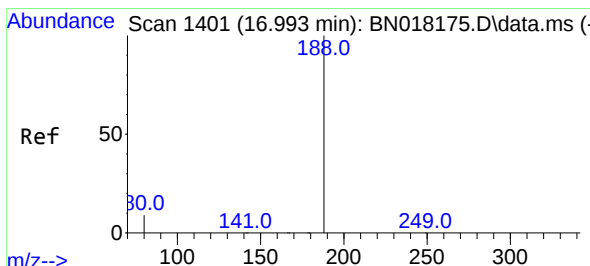
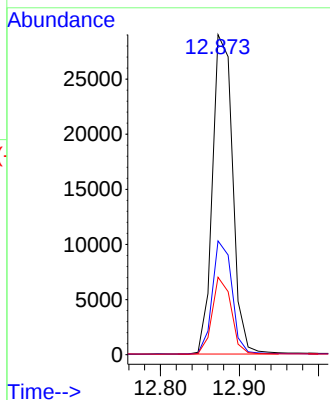
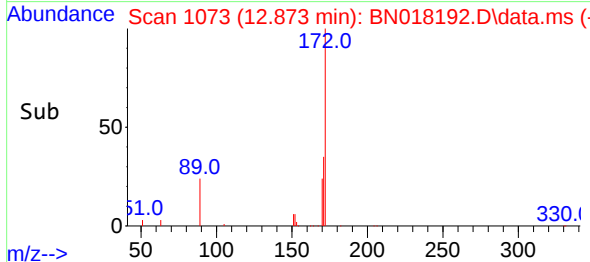
Instrument :
BNA_N
ClientSampleId :
OB-CS-01



Tgt Ion:172 Resp: 5148
Ion Ratio Lower Upper
172 100
171 35.5 27.4 41.0
170 24.2 18.4 27.6

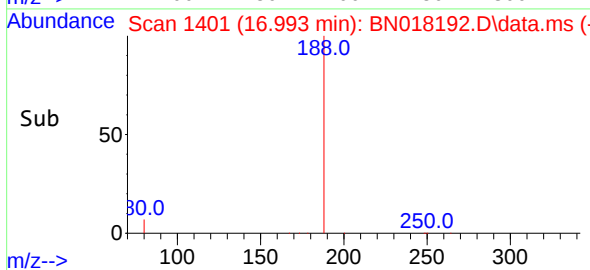
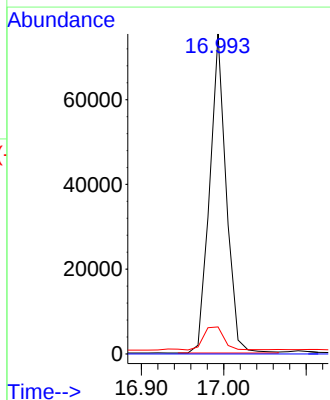
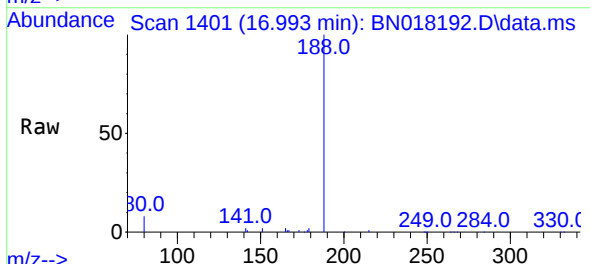
Manual Integrations
APPROVED

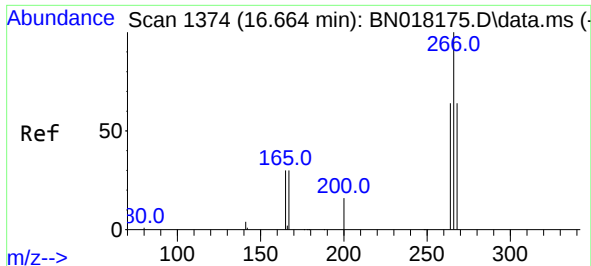
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

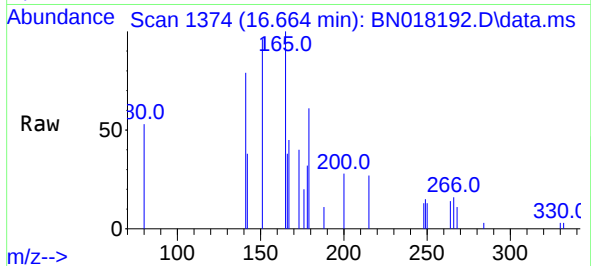
Tgt Ion:188 Resp: 105252
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.4 7.0 10.4





#24
Pentachlorophenol
Concen: 0.304 ng
RT: 16.664 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

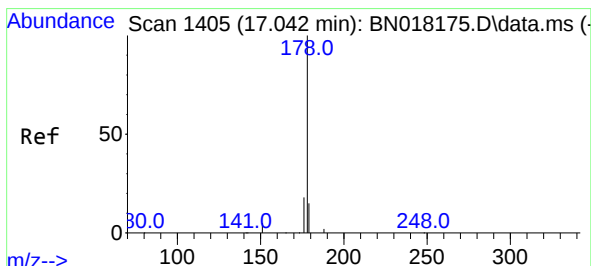
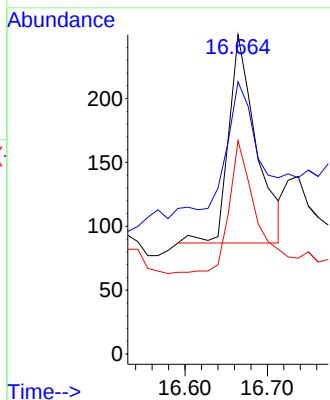
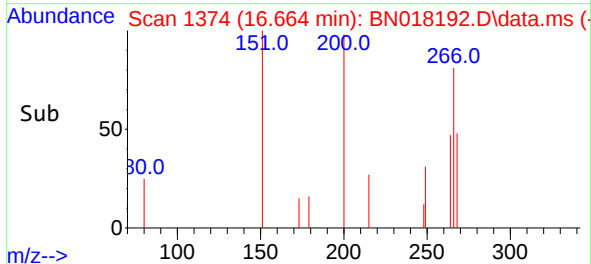
Instrument :
BNA_N
ClientSampleId :
OB-CS-01



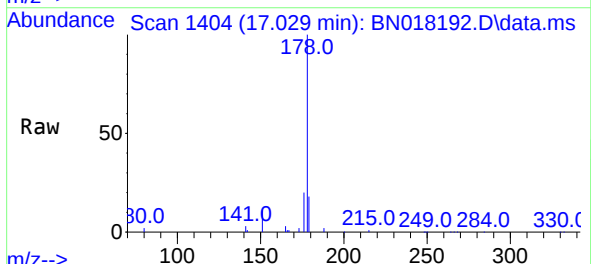
Tgt Ion:266 Resp: 379
Ion Ratio Lower Upper
266 100
264 64.6 49.5 74.3
268 63.9 50.6 76.0

Manual Integrations
APPROVED

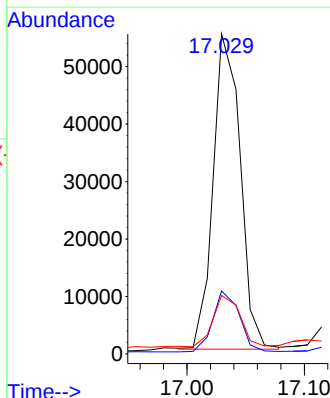
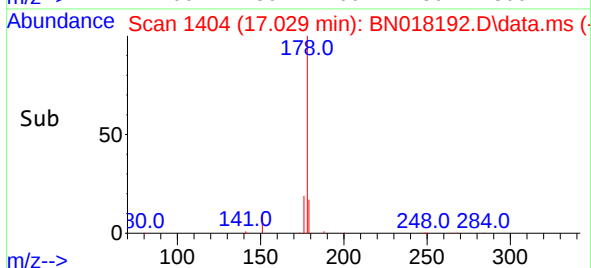
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

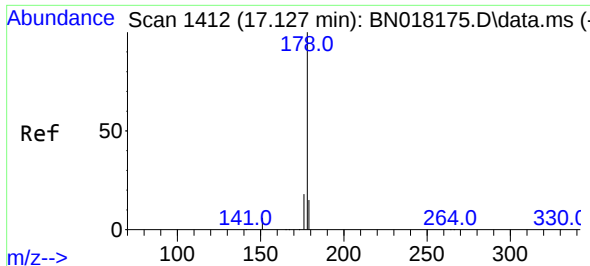


#25
Phenanthrene
Concen: 0.315 ng m
RT: 17.029 min Scan# 1404
Delta R.T. -0.013 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14



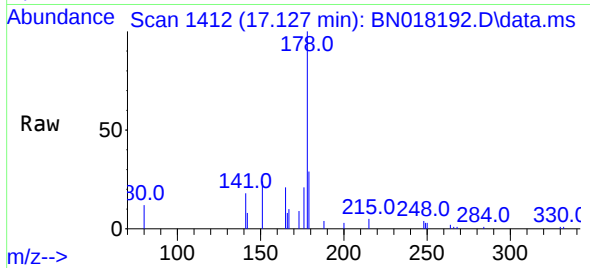
Tgt Ion:178 Resp: 88059
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 18.9 12.3 18.5#





#26
 Anthracene
 Concen: 0.047 ng
 RT: 17.127 min Scan# 1412
 Delta R.T. -0.000 min
 Lab File: BN018192.D
 Acq: 23 Dec 2021 23:14

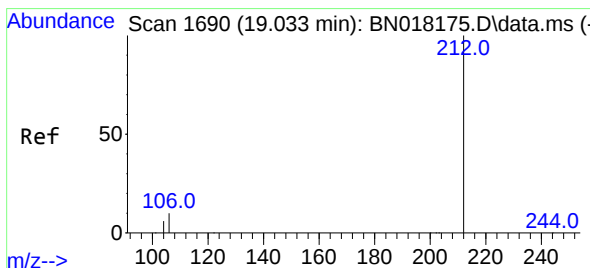
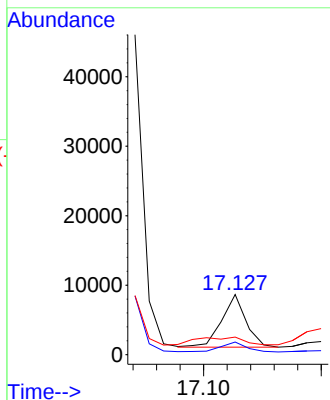
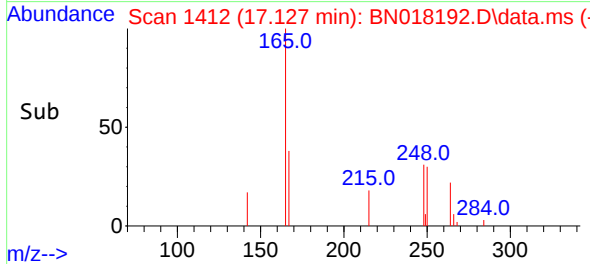
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-01



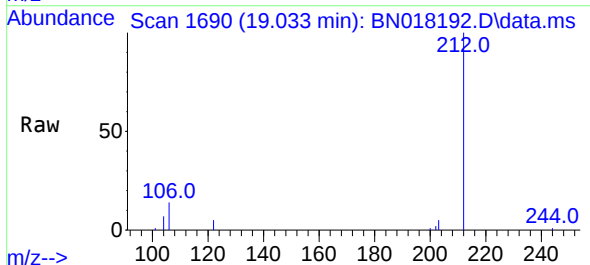
Tgt Ion:178 Resp: 1084
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.8 22.2
 179 29.1 12.2 18.4

Manual Integrations
 APPROVED

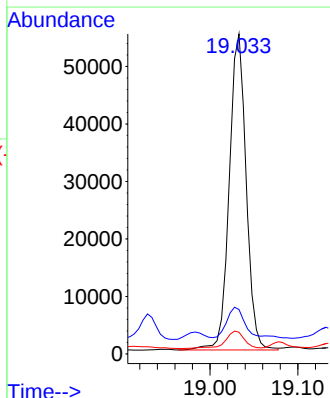
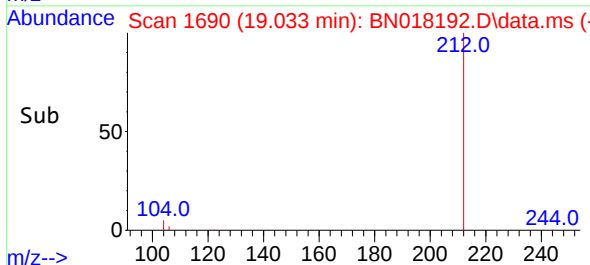
Reviewed By :Jagrut Upadhyay 12/27/2021
 Supervised By :mohammad ahmed 12/30/2021

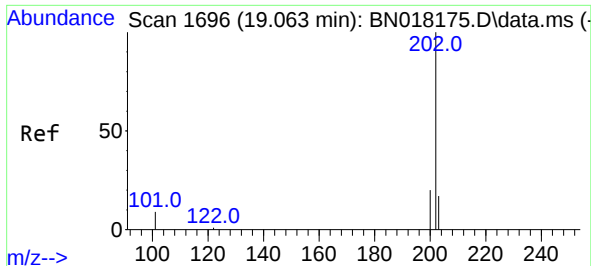


#27
 Fluoranthene-d10
 Concen: 0.221 ng
 RT: 19.033 min Scan# 1690
 Delta R.T. -0.000 min
 Lab File: BN018192.D
 Acq: 23 Dec 2021 23:14



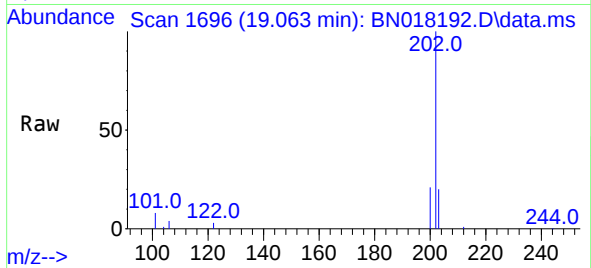
Tgt Ion:212 Resp: 73529
 Ion Ratio Lower Upper
 212 100
 106 11.0 8.4 12.6
 104 6.2 4.5 6.7





#28
Fluoranthene
Concen: 0.350 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

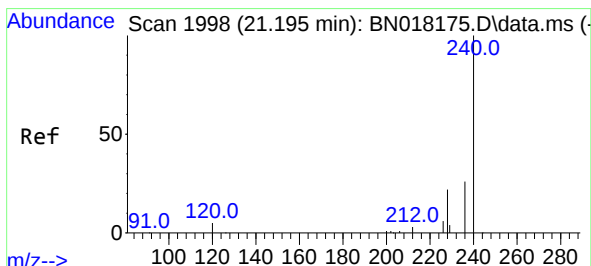
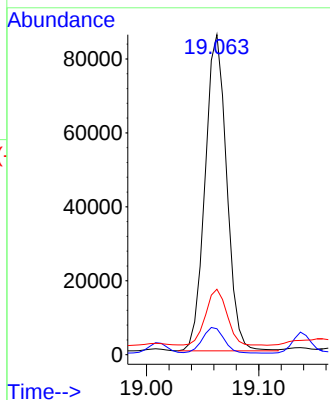
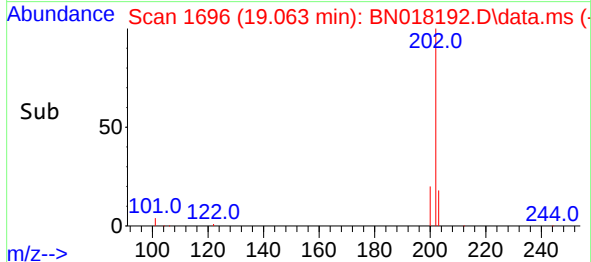
Instrument :
BNA_N
ClientSampleId :
OB-CS-01



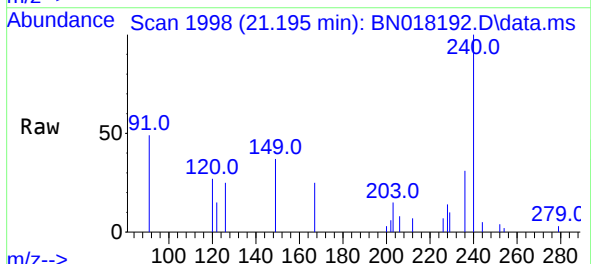
Tgt Ion:202 Resp: 114000
Ion Ratio Lower Upper
202 100
101 8.0 7.2 10.8
203 17.4 13.7 20.5

Manual Integrations
APPROVED

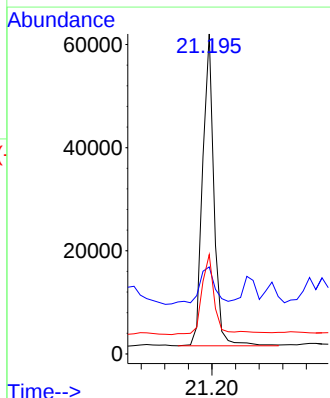
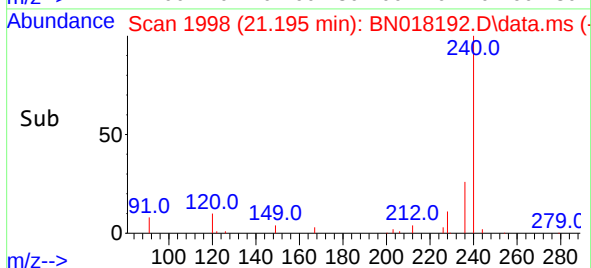
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

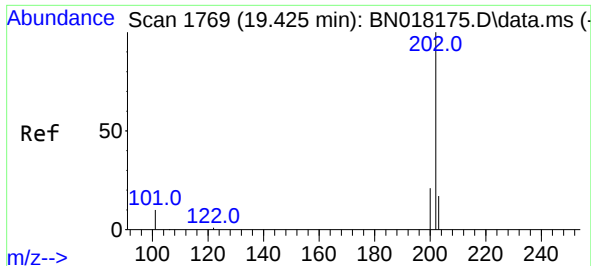


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.195 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14



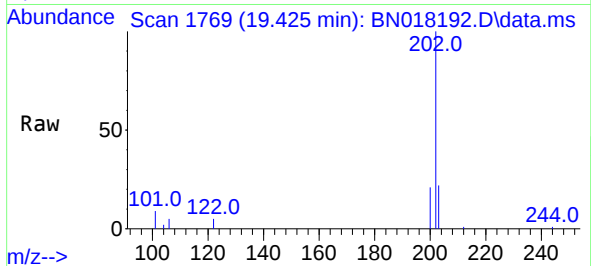
Tgt Ion:240 Resp: 81045
Ion Ratio Lower Upper
240 100
120 27.2 6.0 9.0#
236 31.1 21.4 32.2





#30
Pyrene
Concen: 0.394 ng
RT: 19.425 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

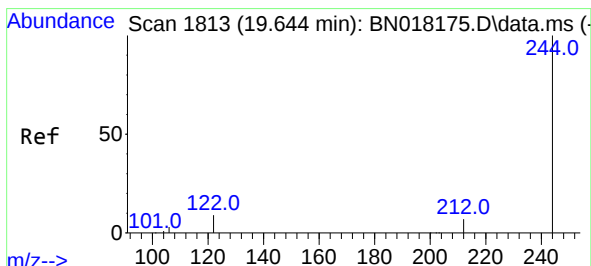
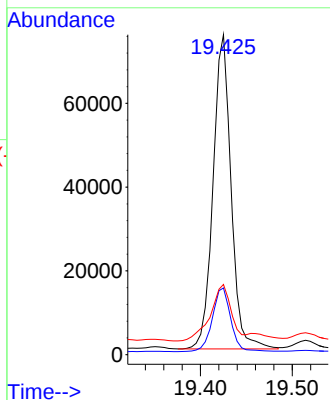
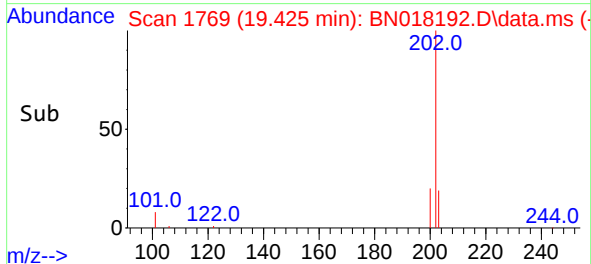
Instrument :
BNA_N
ClientSampleId :
OB-CS-01



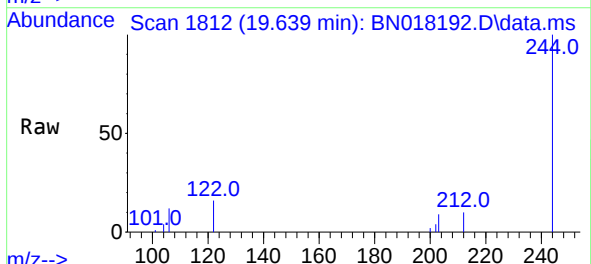
Tgt Ion:202 Resp: 10248
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 21.0 14.1 21.1

Manual Integrations
APPROVED

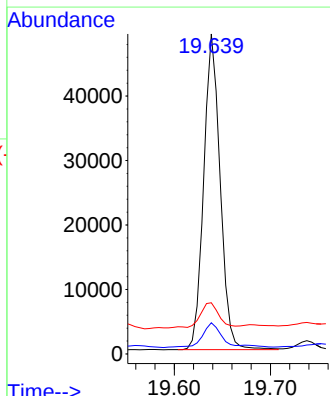
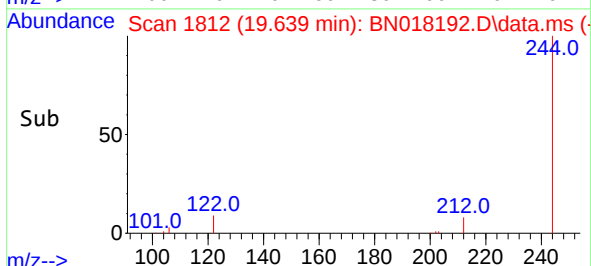
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

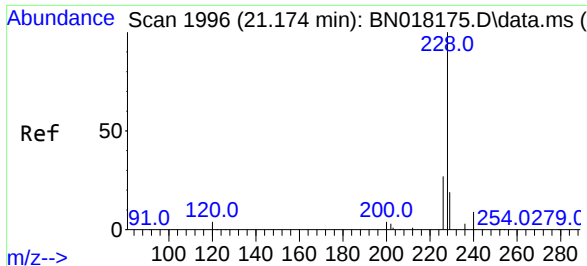


#31
Terphenyl-d14
Concen: 0.327 ng
RT: 19.639 min Scan# 1812
Delta R.T. -0.005 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14



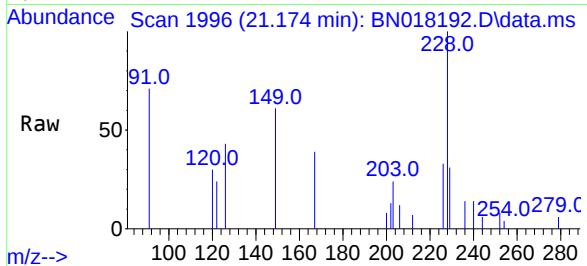
Tgt Ion:244 Resp: 58315
Ion Ratio Lower Upper
244 100
212 9.7 6.2 9.2#
122 16.0 7.9 11.9#





#32
Benzo(a)anthracene
Concen: 0.220 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

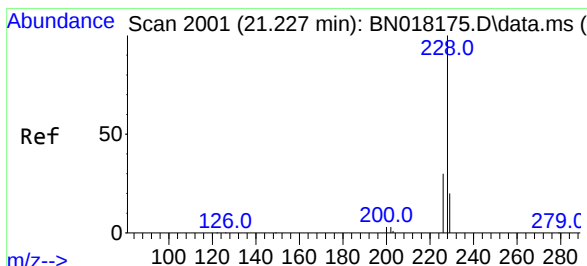
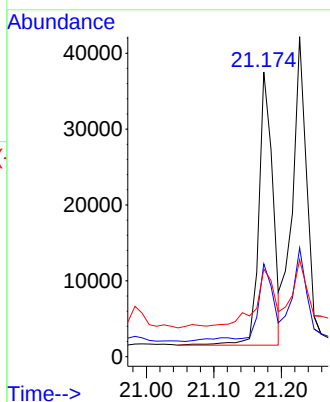
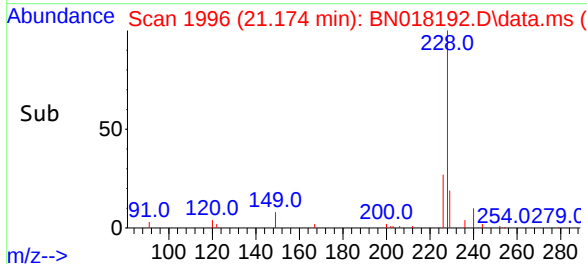
Instrument :
BNA_N
ClientSampleId :
OB-CS-01



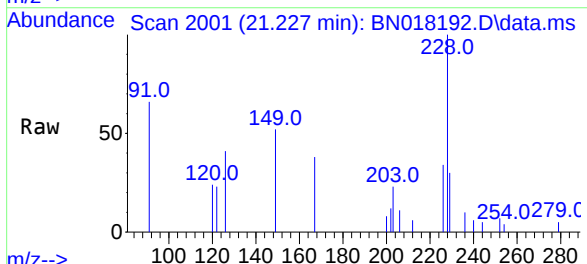
Tgt Ion:228 Resp: 51820
Ion Ratio Lower Upper
228 100
226 32.6 21.3 31.9
229 30.8 15.9 23.9

Manual Integrations
APPROVED

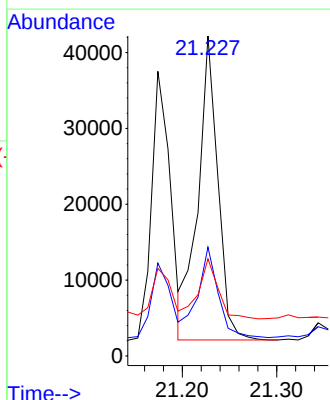
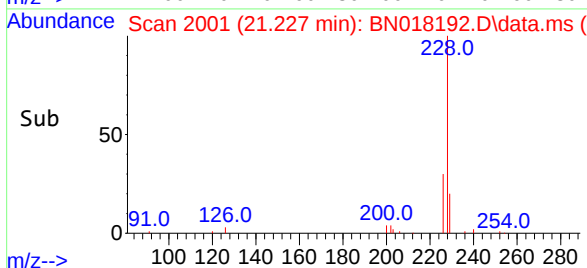
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

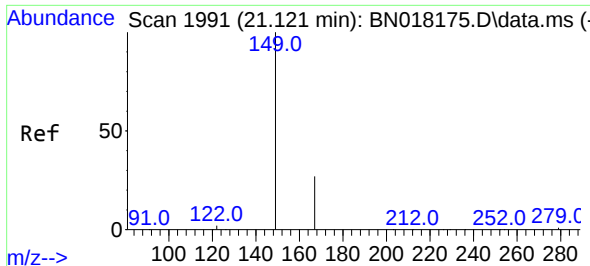


#33
Chrysene
Concen: 0.228 ng
RT: 21.227 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14



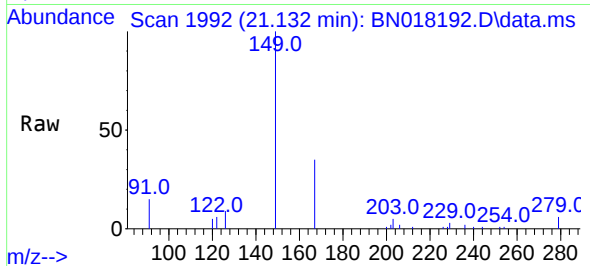
Tgt Ion:228 Resp: 58520
Ion Ratio Lower Upper
228 100
226 34.0 24.2 36.4
229 30.3 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 1.923 ng
RT: 21.132 min Scan# 1992
Delta R.T. 0.011 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

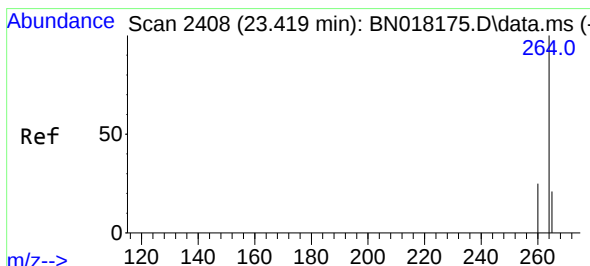
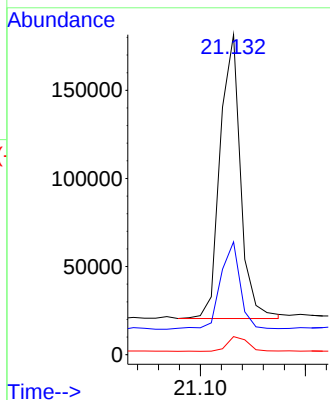
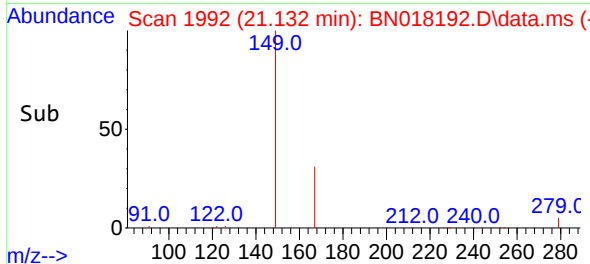
Instrument :
BNA_N
ClientSampleId :
OB-CS-01



Tgt Ion:149 Resp: 218210
Ion Ratio Lower Upper
149 100
167 29.8 23.7 35.5
279 5.2 3.6 5.4

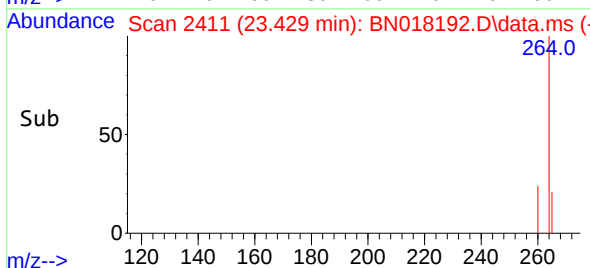
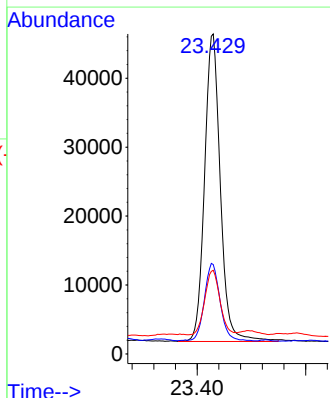
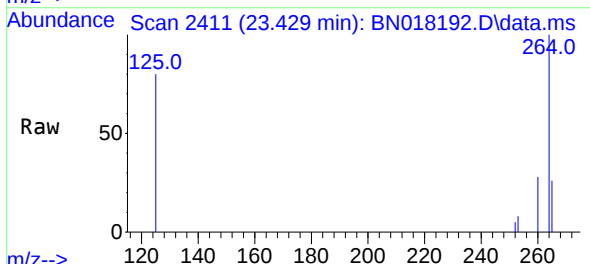
Manual Integrations
APPROVED

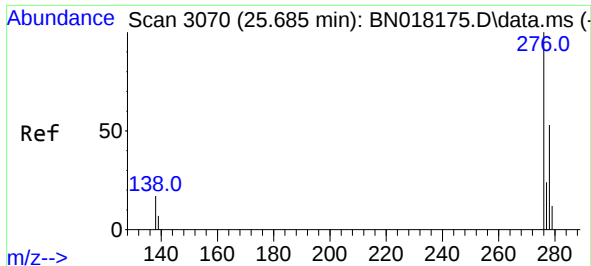
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.429 min Scan# 2411
Delta R.T. 0.010 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

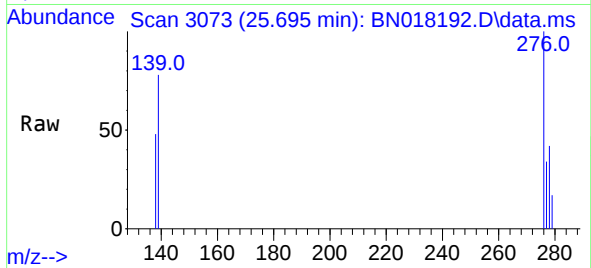
Tgt Ion:264 Resp: 90029
Ion Ratio Lower Upper
264 100
260 28.0 20.2 30.4
265 26.1 18.2 27.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.138 ng
RT: 25.695 min Scan# 3070
Delta R.T. 0.010 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

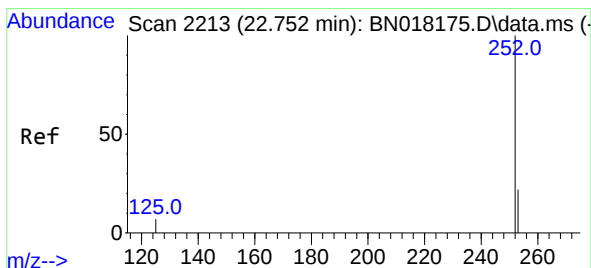
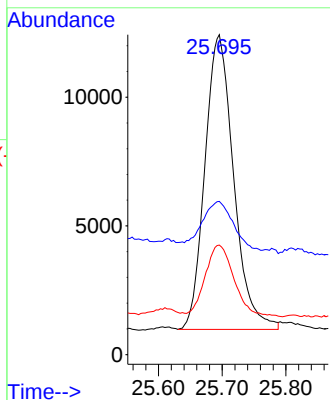
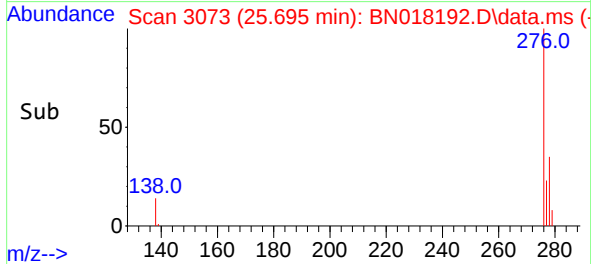
Instrument :
BNA_N
ClientSampleId :
OB-CS-01



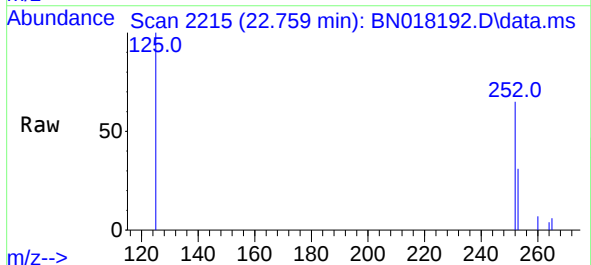
Tgt Ion:276 Resp: 3590
Ion Ratio Lower Upper
276 100
138 18.6 14.9 22.3
277 24.6 19.9 29.9

Manual Integrations
APPROVED

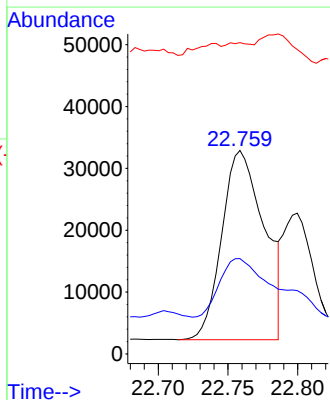
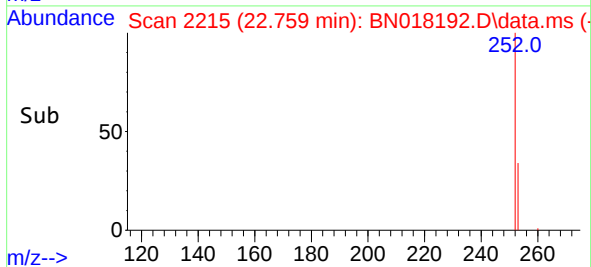
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

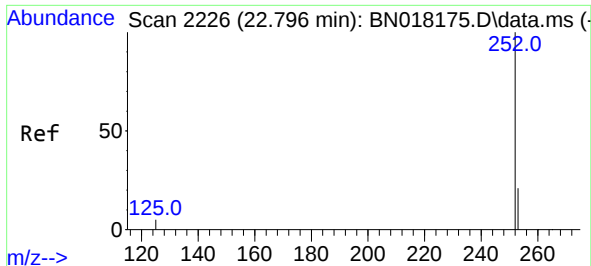


#37
Benzo(b)fluoranthene
Concen: 0.233 ng
RT: 22.759 min Scan# 2215
Delta R.T. 0.007 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14



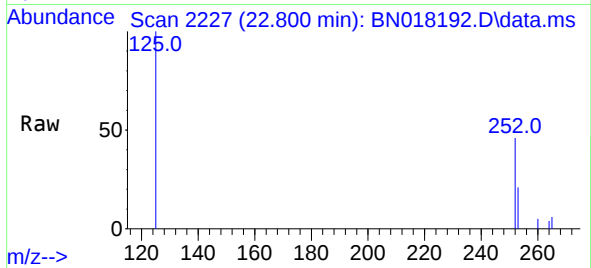
Tgt Ion:252 Resp: 64932
Ion Ratio Lower Upper
252 100
253 46.8 17.8 26.6#
125 153.0 6.0 9.0#





#38
Benzo(k)fluoranthene
Concen: 0.128 ng m
RT: 22.800 min Scan# 21
Delta R.T. 0.004 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

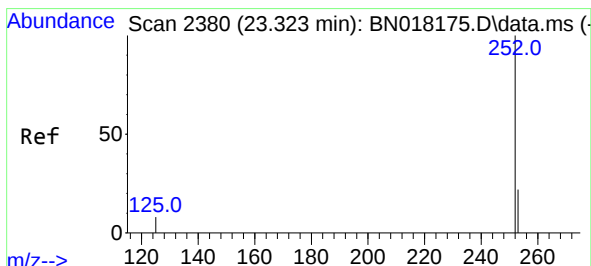
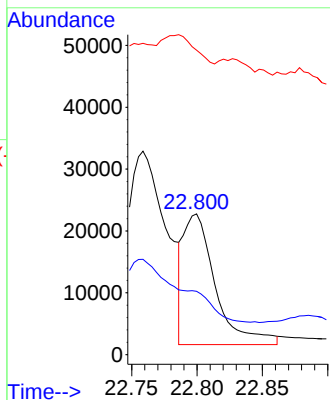
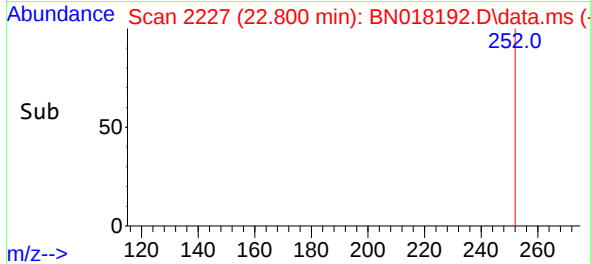
Instrument :
BNA_N
ClientSampleId :
OB-CS-01



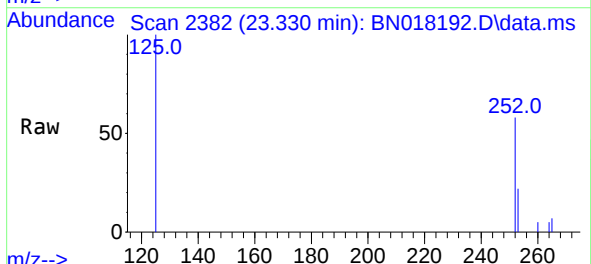
Tgt Ion:252 Resp: 3589
Ion Ratio Lower Upper
252 100
253 45.0 17.7 26.5
125 216.2 6.2 9.2

Manual Integrations
APPROVED

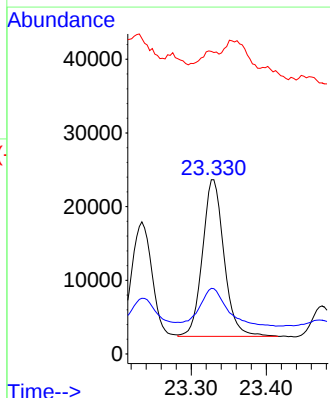
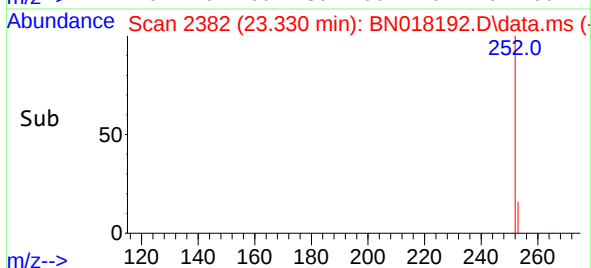
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/30/2021

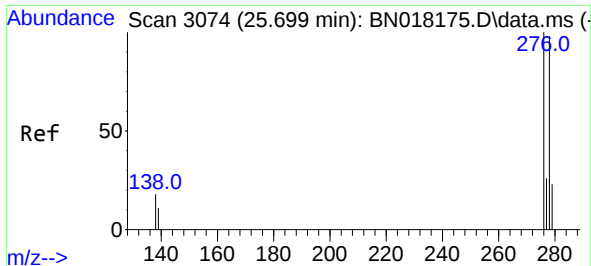


#39
Benzo(a)pyrene
Concen: 0.170 ng
RT: 23.330 min Scan# 2382
Delta R.T. 0.007 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14



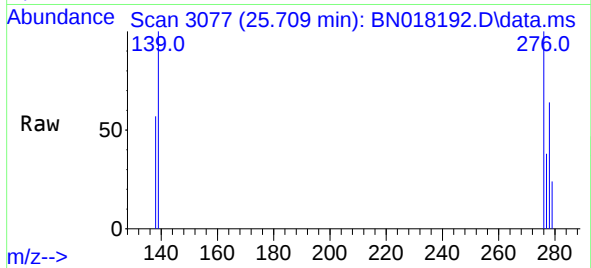
Tgt Ion:252 Resp: 42460
Ion Ratio Lower Upper
252 100
253 37.5 17.8 26.6#
125 172.9 7.0 10.4#





#40
Dibenzo(a,h)anthracene
Concen: 0.101 ng
RT: 25.709 min Scan# 3077
Delta R.T. 0.010 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14

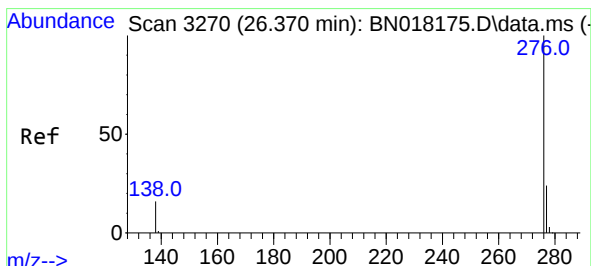
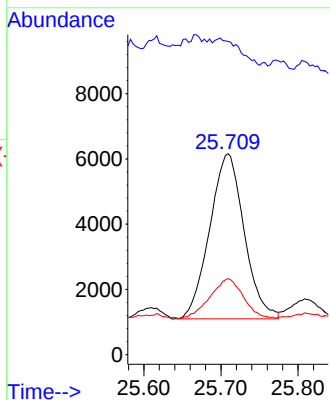
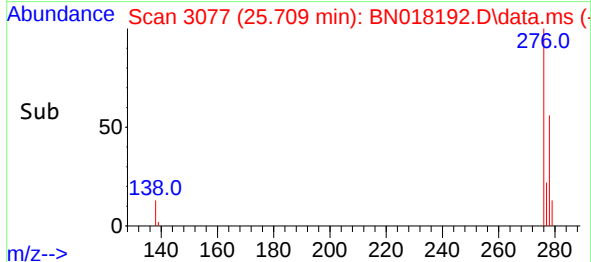
Instrument :
BNA_N
ClientSampleId :
OB-CS-01



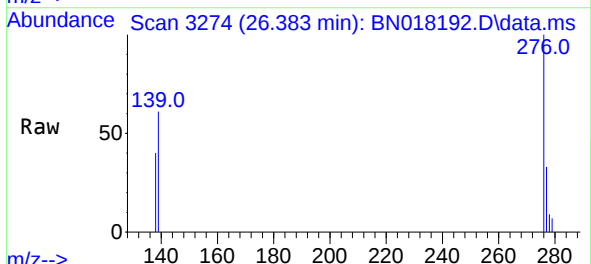
Tgt Ion:278 Resp: 15734
Ion Ratio Lower Upper
278 100
139 155.9 10.8 16.2
279 37.9 19.0 28.4

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.163 ng
RT: 26.383 min Scan# 3274
Delta R.T. 0.013 min
Lab File: BN018192.D
Acq: 23 Dec 2021 23:14



Tgt Ion:276 Resp: 39219
Ion Ratio Lower Upper
276 100
277 32.8 19.0 28.6#
138 40.2 12.6 19.0#

