

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
 Data File : BN018280.D
 Acq On : 30 Dec 2021 03:50
 Operator : CG/JU
 Sample : M5107-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-08

Manual Integrations
 APPROVED

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

Quant Time: Dec 30 05:00:17 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	7.643	152	26329	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	110319	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	72686	0.400	ng	0.00
19) Phenanthrene-d10	17.006	188	134673	0.400	ng	0.00
29) Chrysene-d12	21.206	240	64540	0.400	ng	# 0.01
35) Perylene-d12	23.457	264	73237	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	117	0.002	ng	0.03
5) Phenol-d6	6.840	99	1026	0.020	ng	0.00
8) Nitrobenzene-d5	8.785	82	20102m	0.383	ng	0.00
11) 2-Methylnaphthalene-d10	12.007	152	46881	0.253	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	59	0.306	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	70875	0.258	ng	-0.01
27) Fluoranthene-d10	19.038	212	87099	0.203	ng	0.00
31) Terphenyl-d14	19.649	244	55009	0.335	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.458	128	38954	0.143	ng	98
12) 2-Methylnaphthalene	12.083	142	12130	0.069	ng	98
25) Phenanthrene	17.042	178	89569m	0.252	ng	
26) Anthracene	17.139	178	6383	0.062	ng	# 76
28) Fluoranthene	19.068	202	104075	0.250	ng	96
30) Pyrene	19.430	202	104815	0.414	ng	97
32) Benzo(a)anthracene	21.196	228	22710	0.165	ng	# 1
33) Chrysene	21.238	228	39854	0.192	ng	# 8
34) Bis(2-ethylhexyl)phtha...	21.143	149	674694	8.375	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.727	276	11560	0.066	ng	# 78
37) Benzo(b)fluoranthene	22.783	252	35308m	0.152	ng	
38) Benzo(k)fluoranthene	22.810	252	13388m	0.061	ng	
39) Benzo(a)pyrene	23.358	252	13874	0.069	ng	# 1
41) Benzo(g,h,i)perylene	26.421	276	17155	0.098	ng	# 1

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

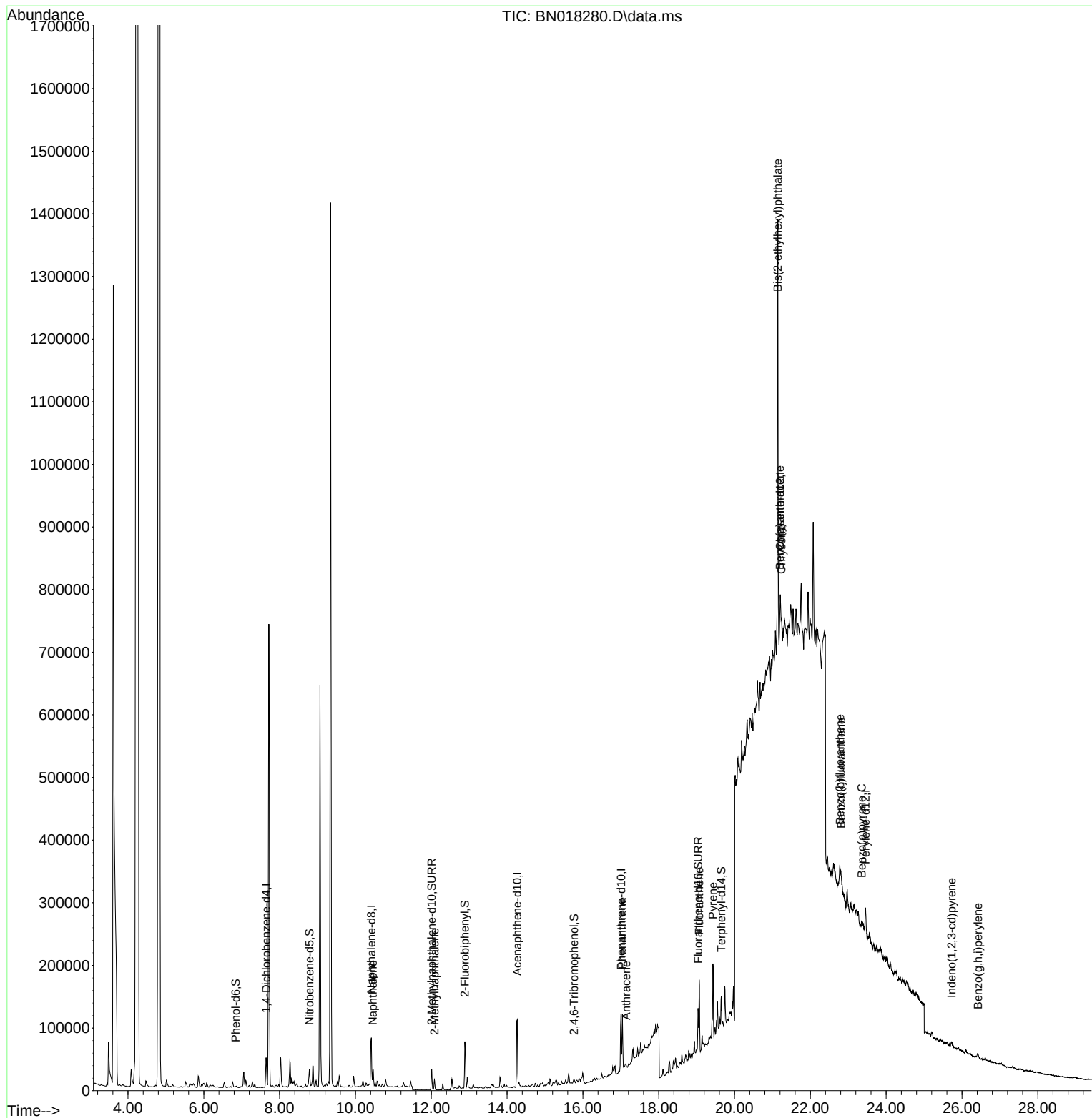
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
Data File : BN018280.D
Acq On : 30 Dec 2021 03:50
Operator : CG/JU
Sample : M5107-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

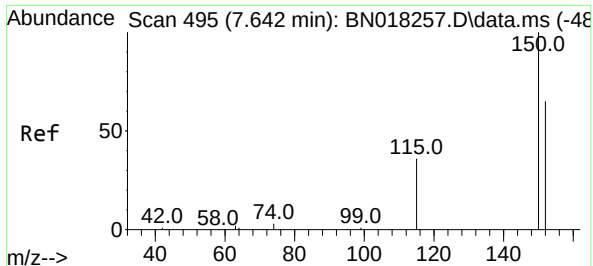
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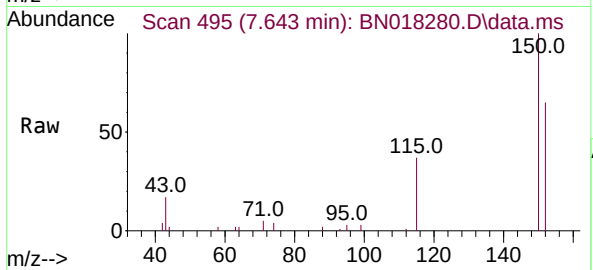
Quant Time: Dec 30 05:00:17 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 29 16:08:47 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.643 min Scan# 495
Delta R.T. 0.001 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

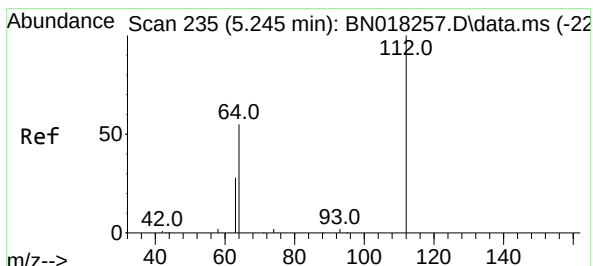
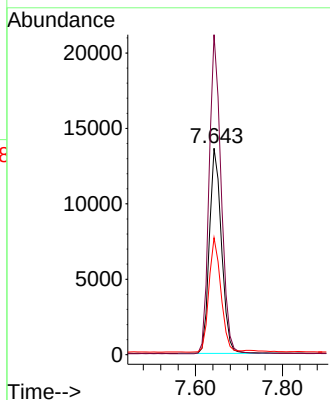
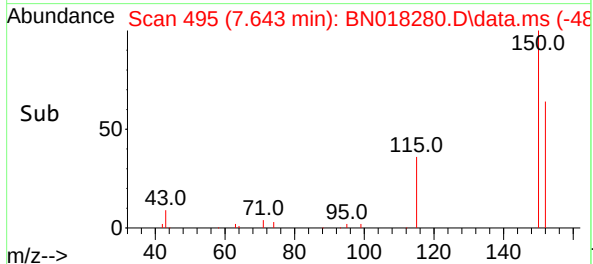
Instrument :
BNA_N
ClientSampleId :
OB-CS-08



Tgt Ion:152 Resp: 26329
Ion Ratio Lower Upper
152 100
150 155.0 121.7 182.5
115 56.7 43.8 65.8

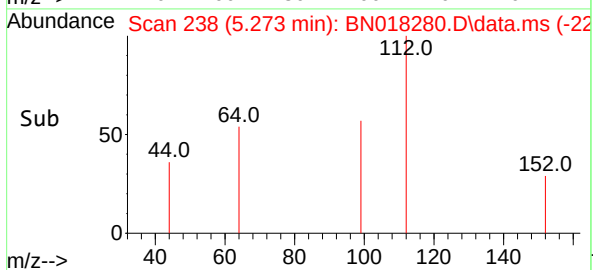
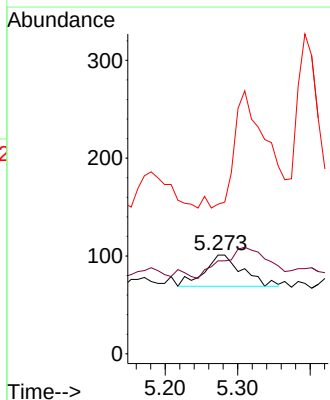
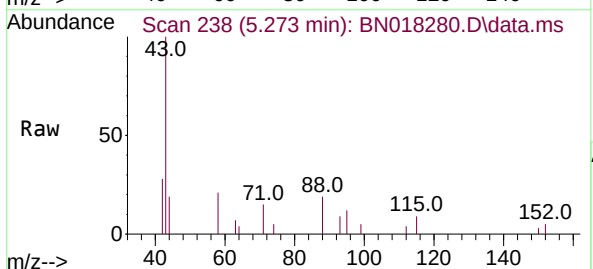
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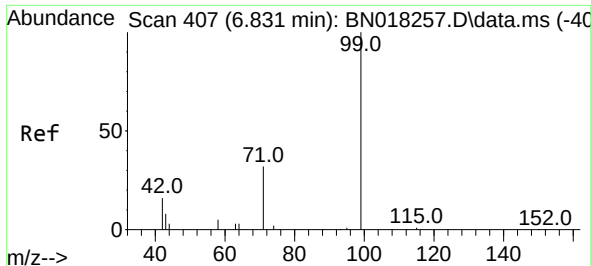
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#4
2-Fluorophenol
Concen: 0.002 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.028 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

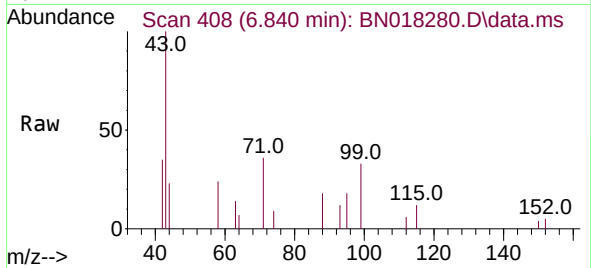
Tgt Ion:112 Resp: 117
Ion Ratio Lower Upper
112 100
64 0.0 48.0 72.0#
63 0.0 25.3 37.9#





#5
Phenol-d6
Concen: 0.020 ng
RT: 6.840 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

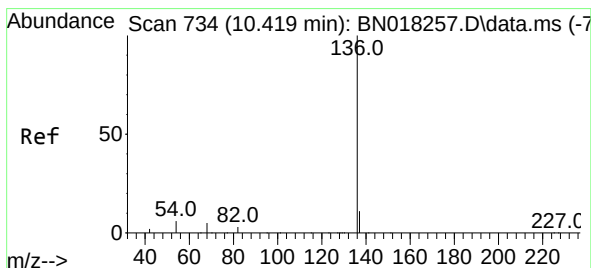
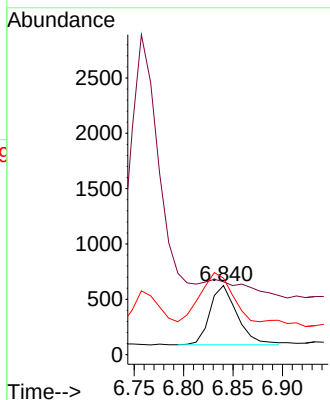
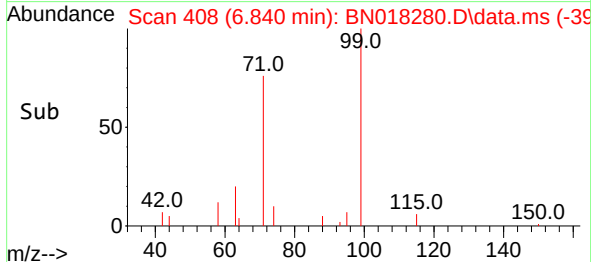
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 99 Resp: 1020
Ion Ratio Lower Upper
99 100
42 0.0 16.3 24.5
71 94.3 26.8 40.2

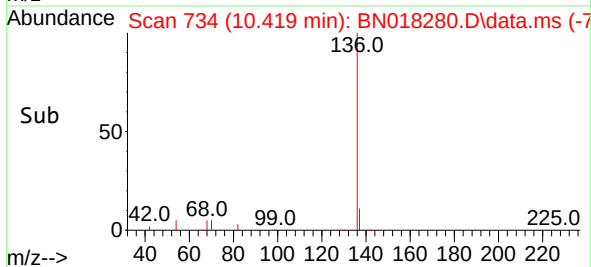
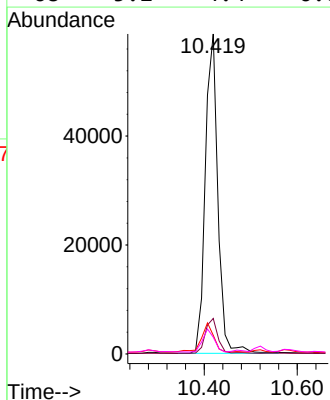
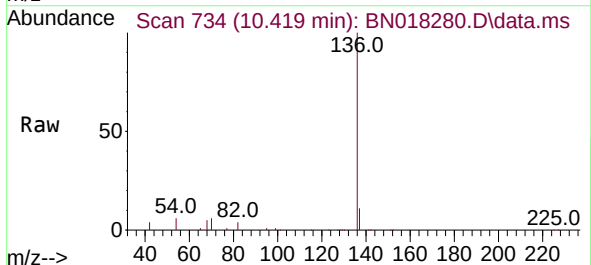
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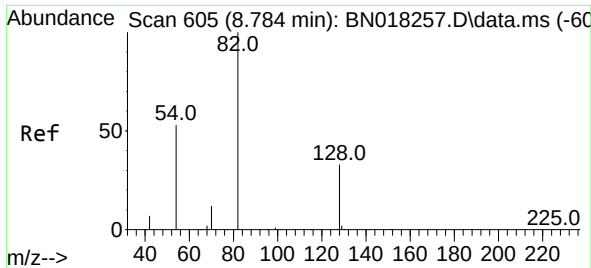
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 734
Delta R.T. 0.000 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

Tgt Ion:136 Resp: 110319
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 5.8 5.0 7.6
68 5.2 4.4 6.6





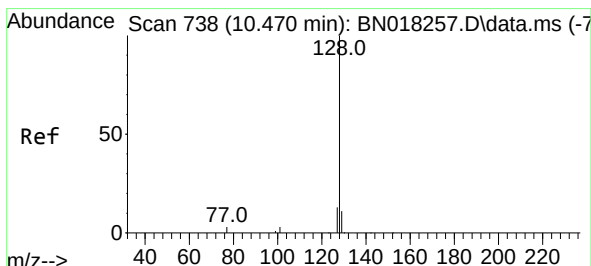
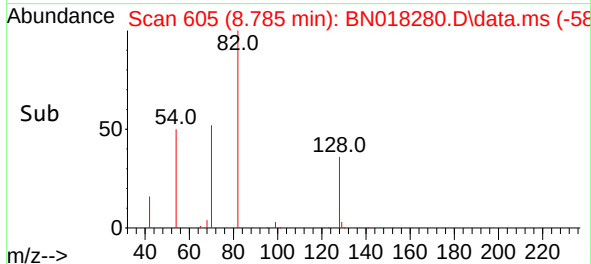
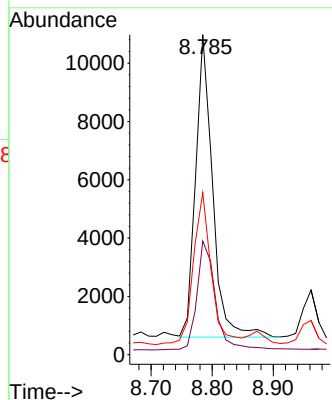
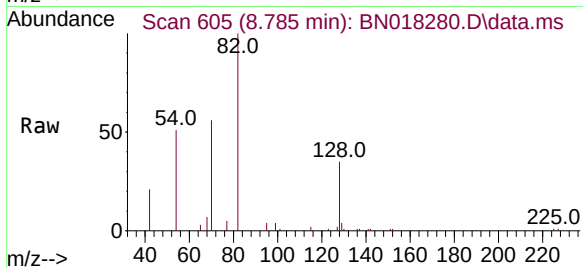
#8
Nitrobenzene-d5
Concen: 0.383 ng m
RT: 8.785 min Scan# 605
Delta R.T. 0.001 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-08

Tgt Ion: 82 Resp: 2010
Ion Ratio Lower Upper
82 100
128 35.5 33.7 50.5
54 50.7 36.6 55.0

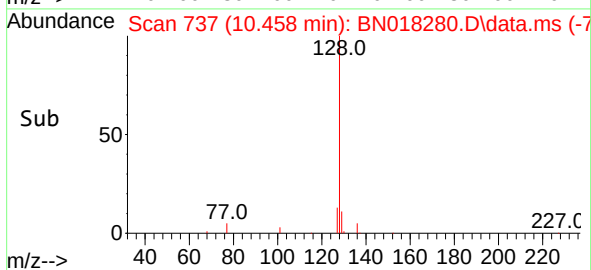
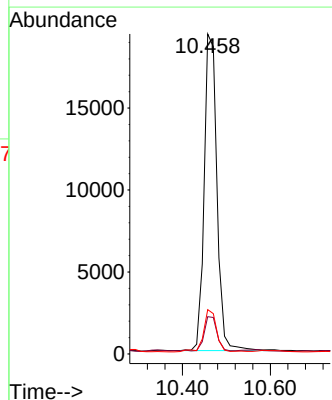
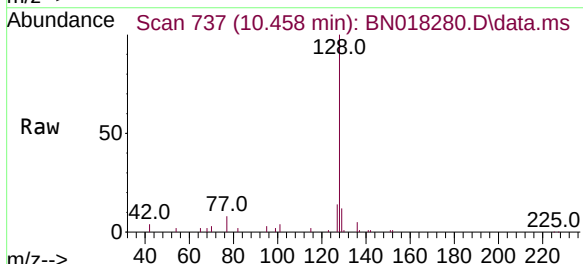
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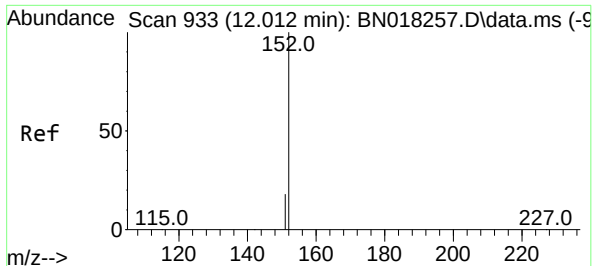
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#9
Naphthalene
Concen: 0.143 ng
RT: 10.458 min Scan# 737
Delta R.T. -0.013 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

Tgt Ion:128 Resp: 38954
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 13.9 10.4 15.6





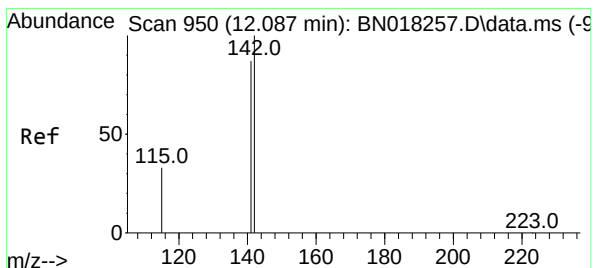
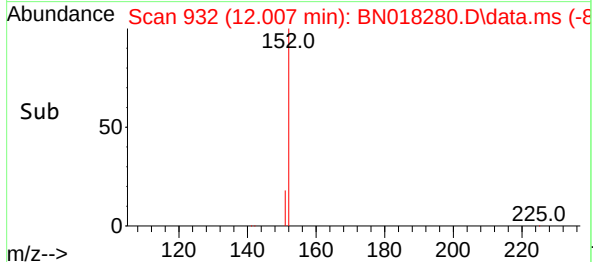
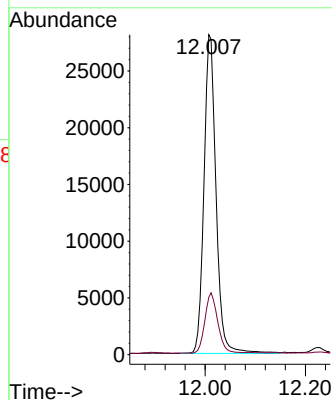
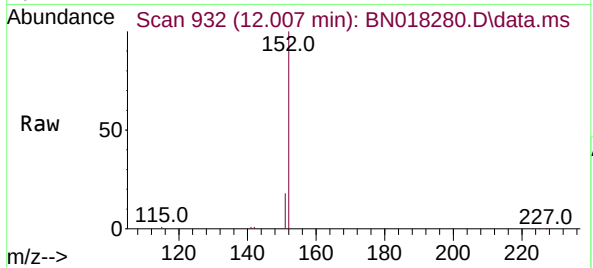
#11
2-Methylnaphthalene-d10
Concen: 0.253 ng
RT: 12.007 min Scan# 911
Delta R.T. -0.004 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-08

Tgt Ion:152 Resp: 4688
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2

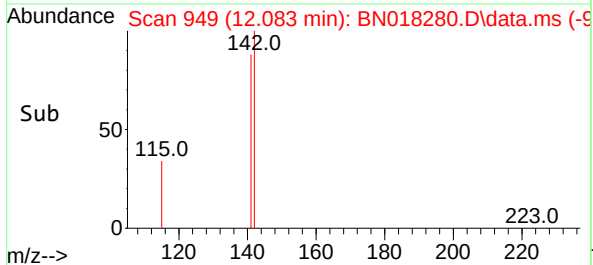
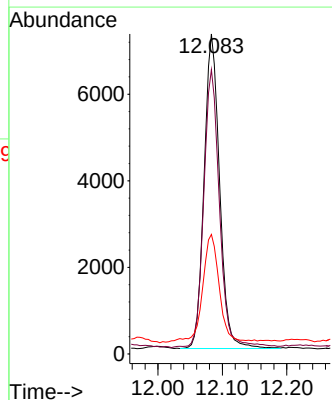
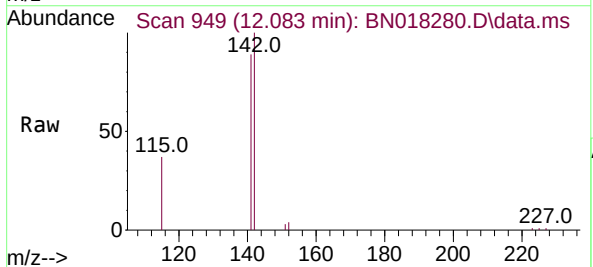
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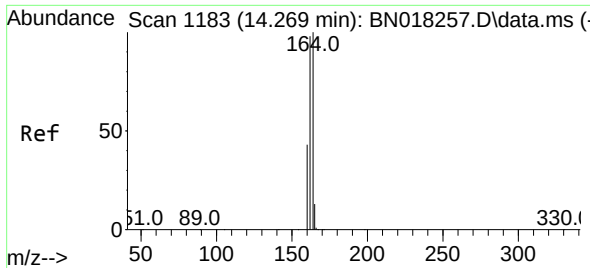
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#12
2-Methylnaphthalene
Concen: 0.069 ng
RT: 12.083 min Scan# 949
Delta R.T. -0.004 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

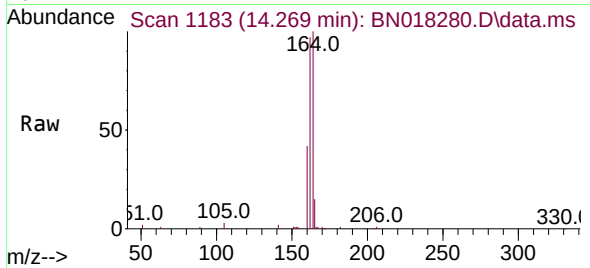
Tgt Ion:142 Resp: 12130
Ion Ratio Lower Upper
142 100
141 88.9 70.0 105.0
115 37.4 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

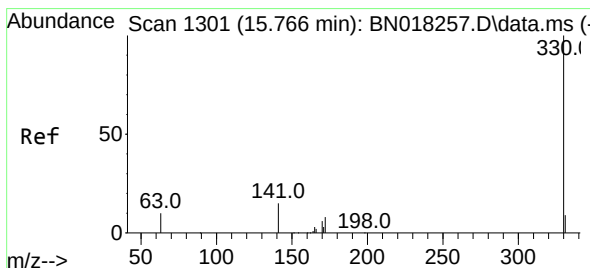
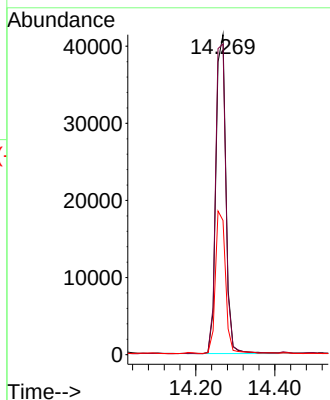
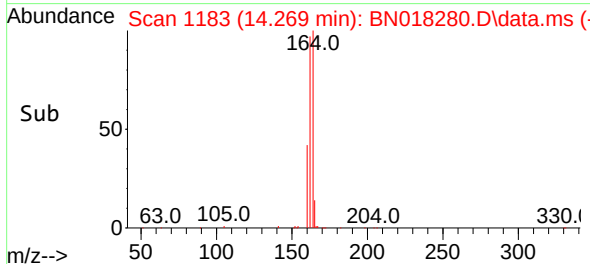
Instrument :
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ClientSampleId :
OB-CS-08



Tgt Ion:164 Resp: 72680
Ion Ratio Lower Upper
164 100
162 97.1 80.2 120.2
160 42.0 36.9 55.3

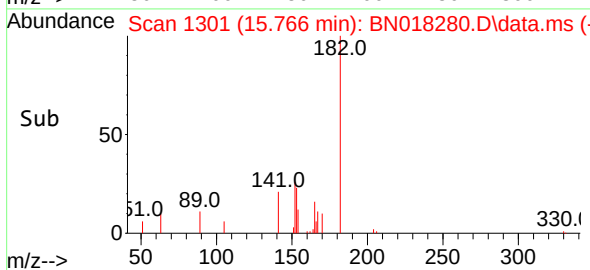
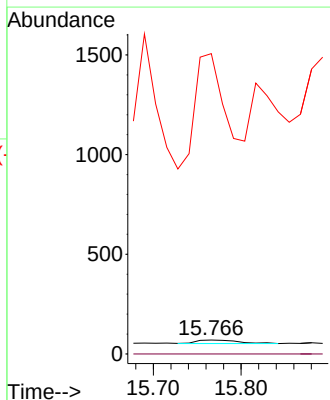
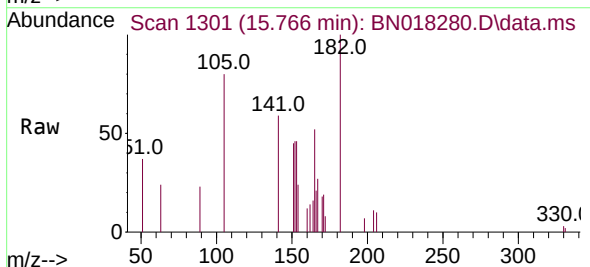
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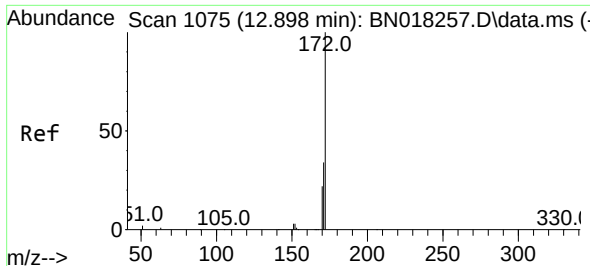
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#14
2,4,6-Tribromophenol
Concen: 0.306 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

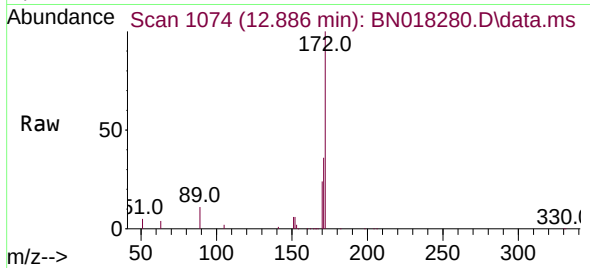
Tgt Ion:330 Resp: 59
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 2366.1 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.258 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

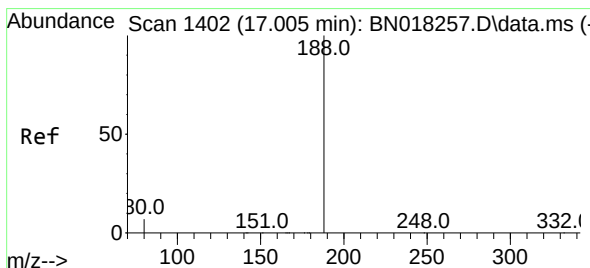
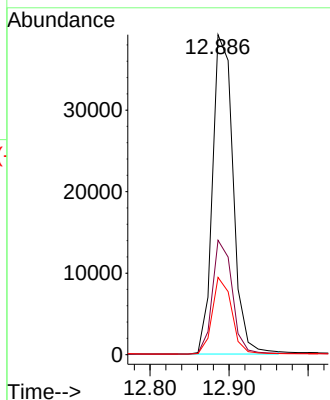
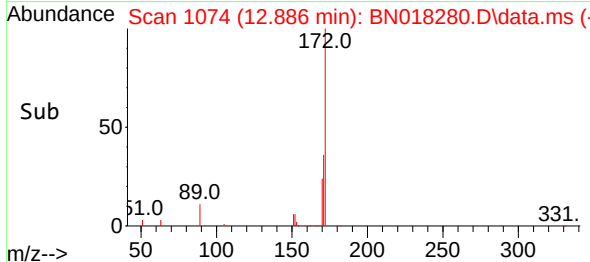
Instrument :
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Tgt Ion:172 Resp: 70875
Ion Ratio Lower Upper
172 100
171 35.7 27.4 41.0
170 24.2 18.4 27.6

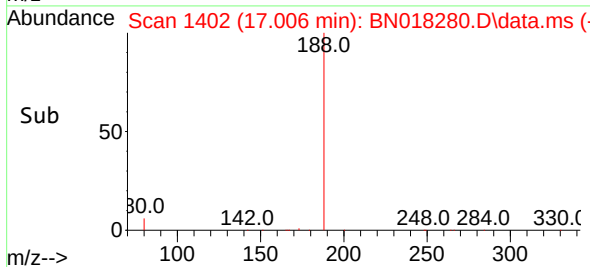
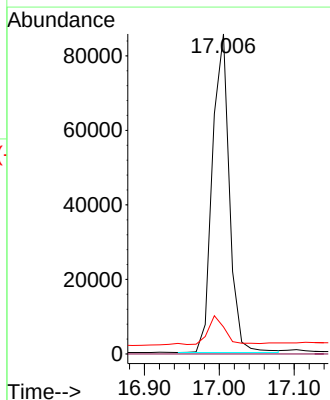
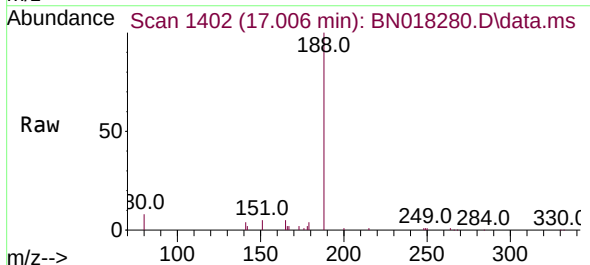
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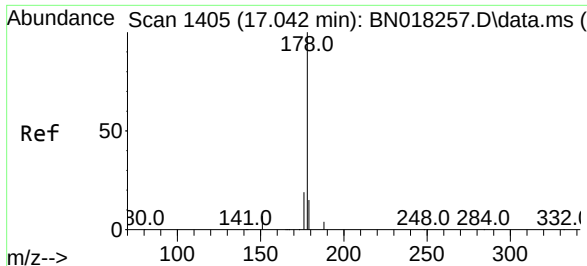
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.006 min Scan# 1402
Delta R.T. 0.001 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

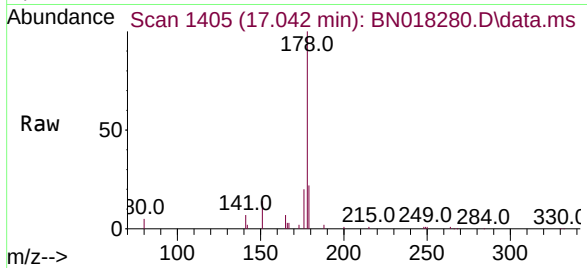
Tgt Ion:188 Resp: 134673
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.4 7.0 10.4





#25
Phenanthrene
Concen: 0.252 ng m
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

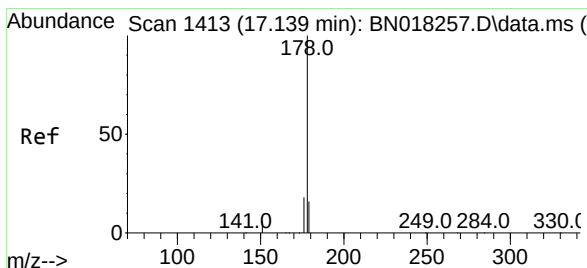
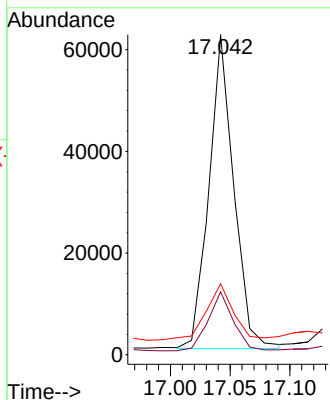
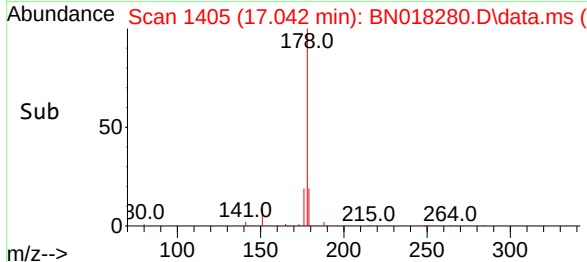
Instrument :
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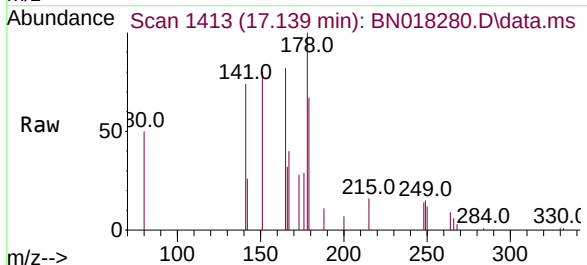
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Ion Ratio Lower Upper
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176 19.3 15.3 22.9
179 19.8 12.3 18.5

Manual Integrations
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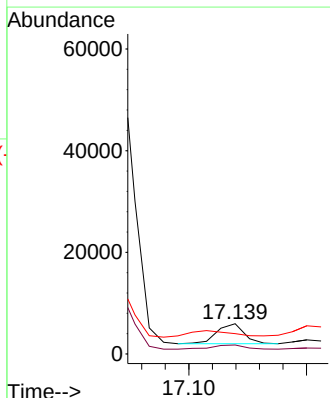
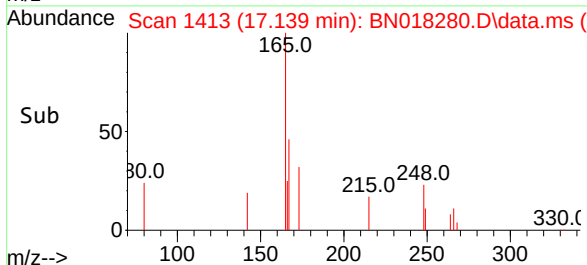
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Supervised By :mohammad ahmed 12/30/2021

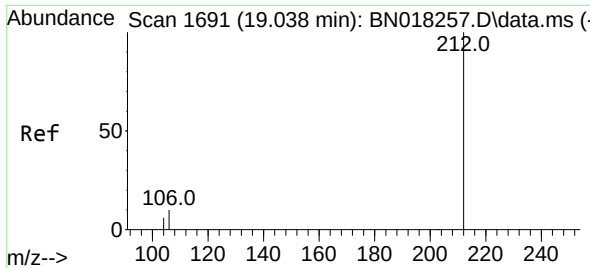


#26
Anthracene
Concen: 0.062 ng
RT: 17.139 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50



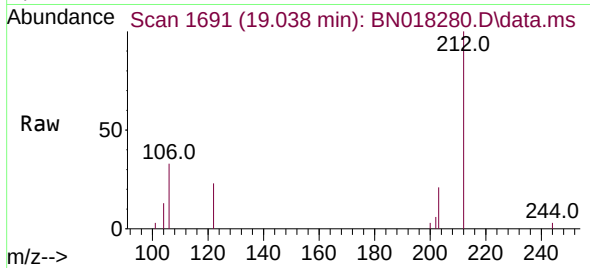
Tgt Ion:178 Resp: 6383
Ion Ratio Lower Upper
178 100
176 24.6 14.8 22.2#
179 0.0 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.203 ng
RT: 19.038 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

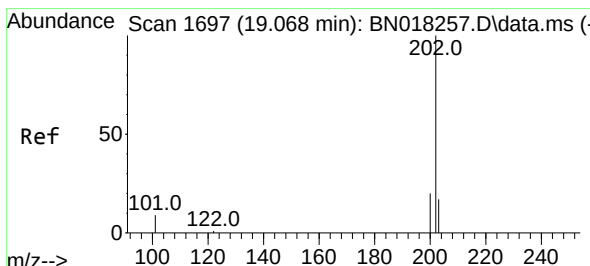
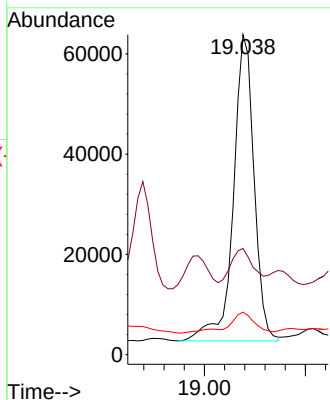
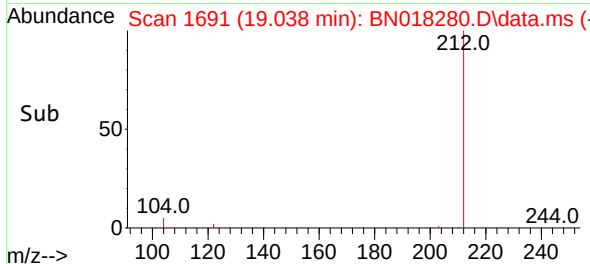
Instrument :
BNA_N
ClientSampleId :
OB-CS-08



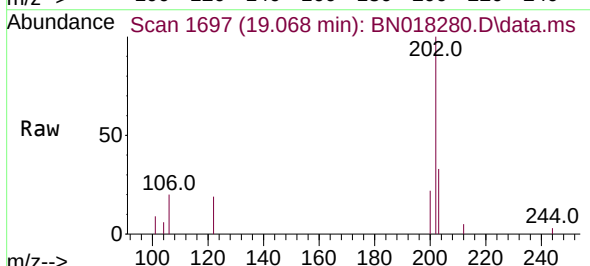
Tgt Ion:212 Resp: 87099
Ion Ratio Lower Upper
212 100
106 12.5 8.4 12.6
104 8.4 4.5 6.7

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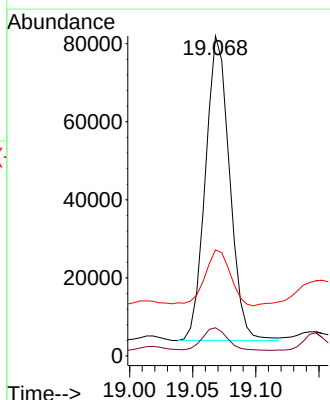
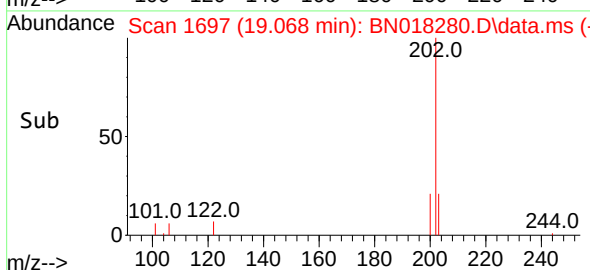
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

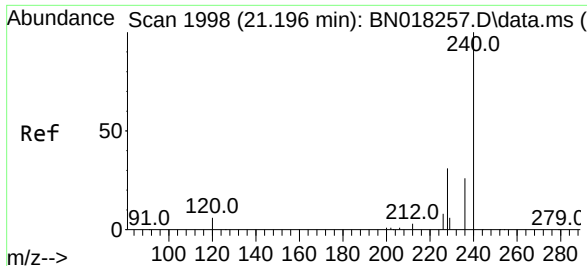


#28
Fluoranthene
Concen: 0.250 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50



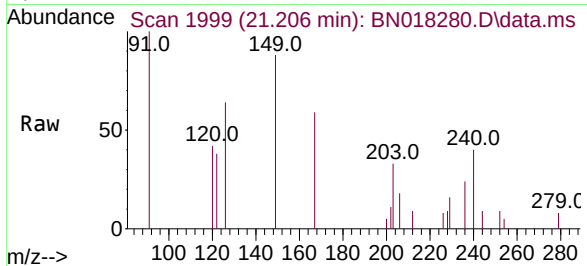
Tgt Ion:202 Resp: 104075
Ion Ratio Lower Upper
202 100
101 7.5 7.2 10.8
203 19.0 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.206 min Scan# 1999
Delta R.T. 0.010 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

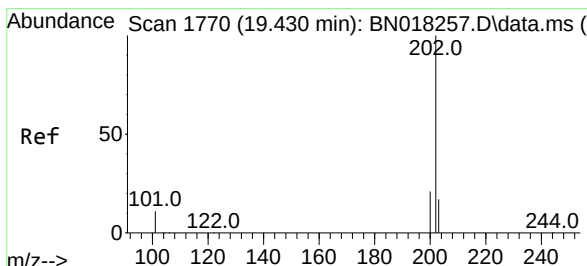
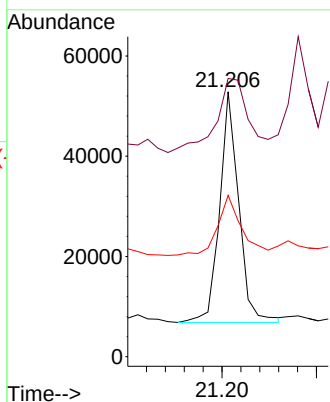
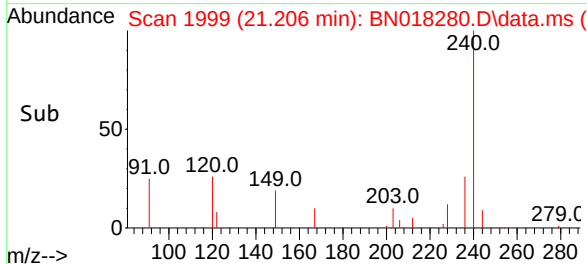
Instrument :
BNA_N
ClientSampleId :
OB-CS-08



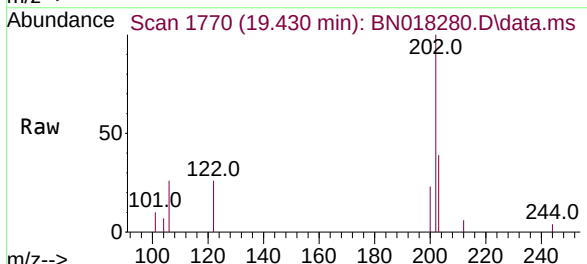
Tgt Ion:240 Resp: 64540
Ion Ratio Lower Upper
240 100
120 105.0 6.0 9.0
236 60.9 21.4 32.2

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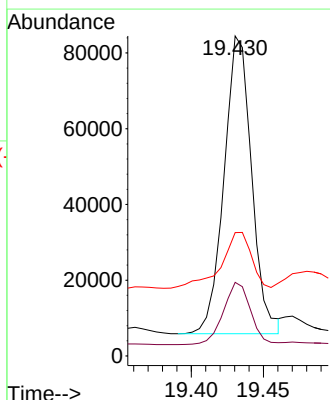
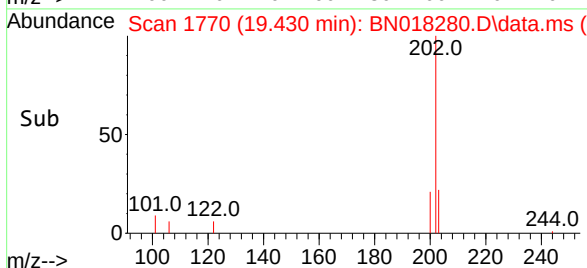
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

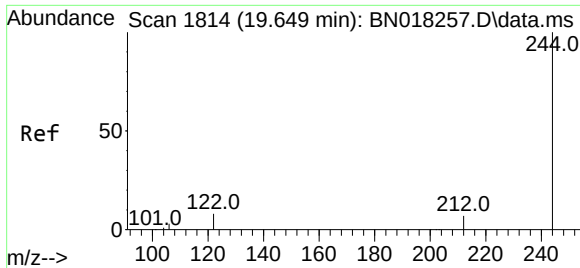


#30
Pyrene
Concen: 0.414 ng
RT: 19.430 min Scan# 1770
Delta R.T. 0.000 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50



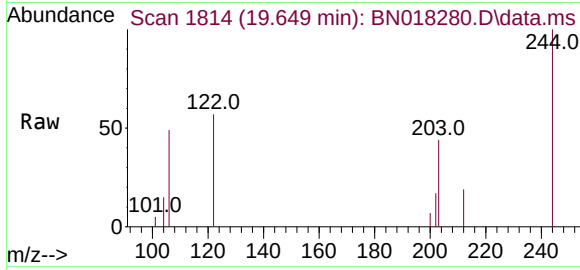
Tgt Ion:202 Resp: 104815
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 20.3 14.1 21.1





#31
 Terphenyl-d14
 Concen: 0.335 ng
 RT: 19.649 min Scan# 1814
 Delta R.T. 0.000 min
 Lab File: BN018280.D
 Acq: 30 Dec 2021 03:50

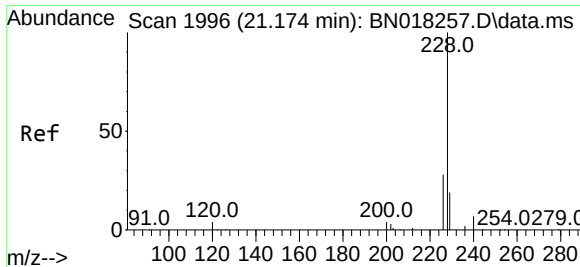
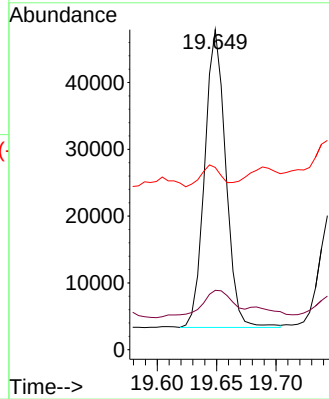
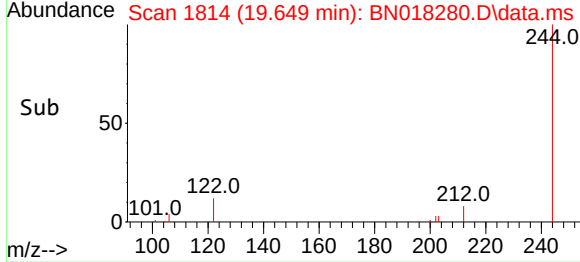
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-08



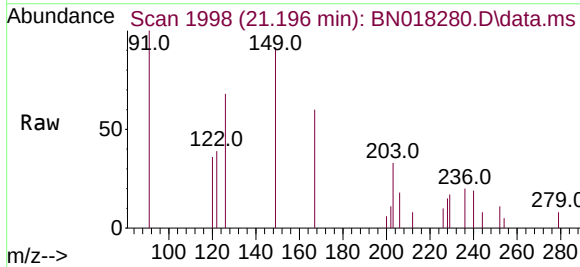
Tgt Ion:244 Resp: 55009
 Ion Ratio Lower Upper
 244 100
 212 18.6 6.2 9.2#
 122 56.9 7.9 11.9#

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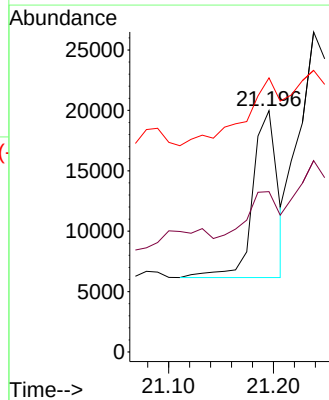
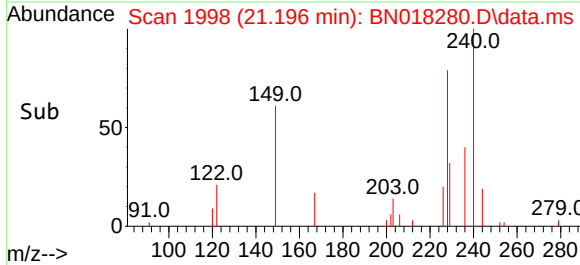
Reviewed By :Jagrut Upadhyay 12/30/2021
 Supervised By :mohammad ahmed 12/30/2021

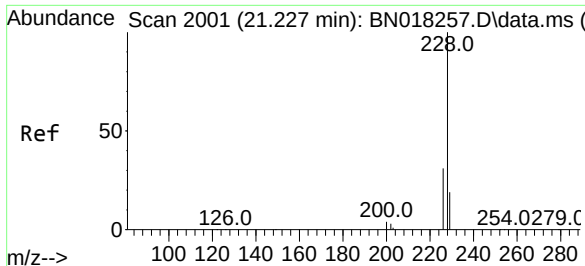


#32
 Benzo(a)anthracene
 Concen: 0.165 ng
 RT: 21.196 min Scan# 1998
 Delta R.T. 0.022 min
 Lab File: BN018280.D
 Acq: 30 Dec 2021 03:50



Tgt Ion:228 Resp: 22710
 Ion Ratio Lower Upper
 228 100
 226 66.4 21.3 31.9#
 229 113.5 15.9 23.9#





#33

Chrysene

Concen: 0.192 ng

RT: 21.238 min Scan# 2001

Delta R.T. 0.011 min

Lab File: BN018280.D

Acq: 30 Dec 2021 03:50

Instrument :

BNA_N

ClientSampleId :

OB-CS-08

Tgt Ion:228 Resp: 39854

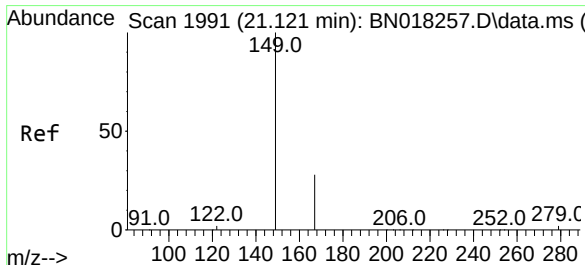
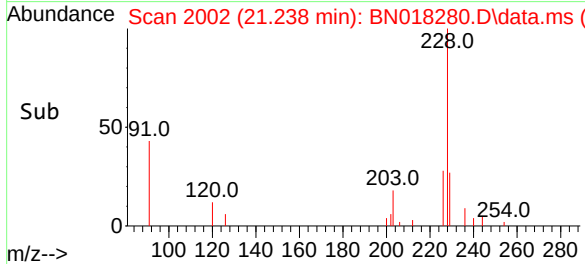
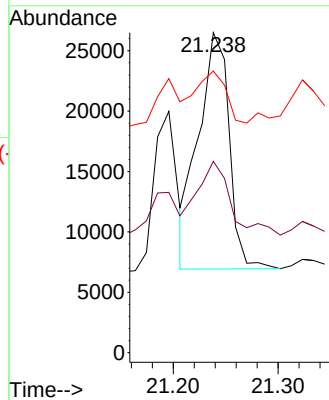
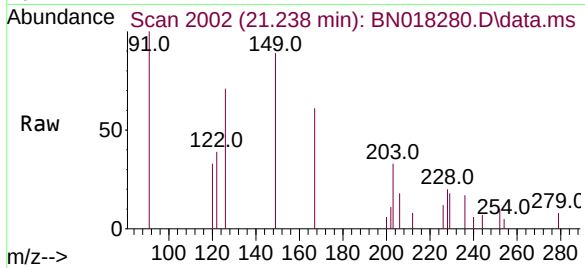
Ion	Ratio	Lower	Upper
228	100		
226	59.8	24.2	36.4
229	88.0	15.5	23.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/30/2021

Supervised By :mohammad ahmed 12/30/2021



#34

Bis(2-ethylhexyl)phthalate

Concen: 8.375 ng

RT: 21.143 min Scan# 1993

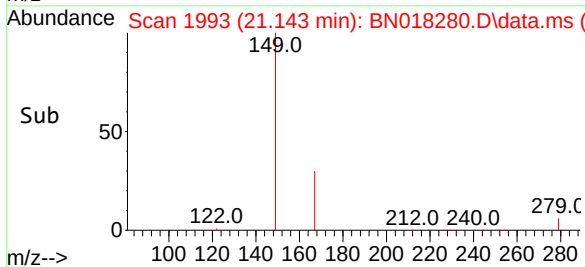
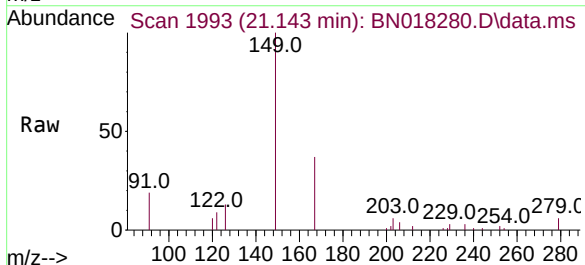
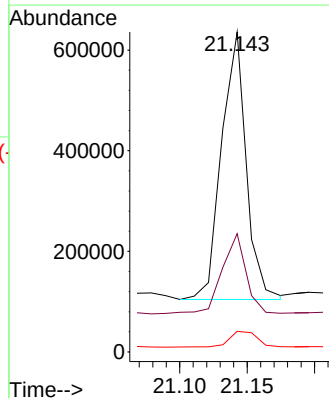
Delta R.T. 0.021 min

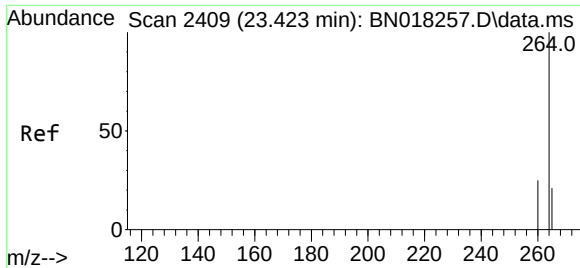
Lab File: BN018280.D

Acq: 30 Dec 2021 03:50

Tgt Ion:149 Resp: 674694

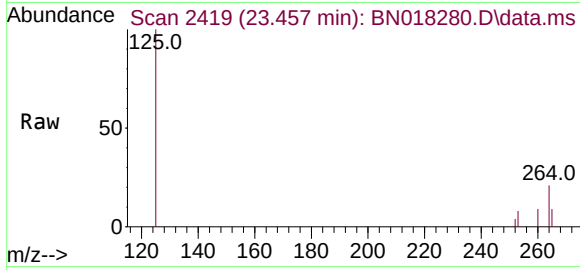
Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.7	35.5
279	6.8	3.6	5.4





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.457 min Scan# 2409
Delta R.T. 0.034 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

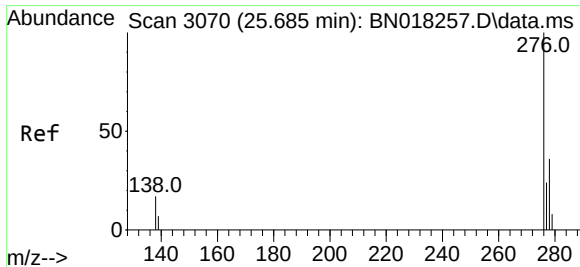
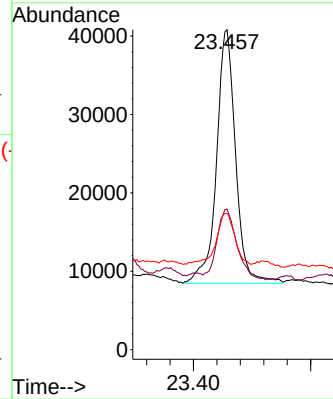
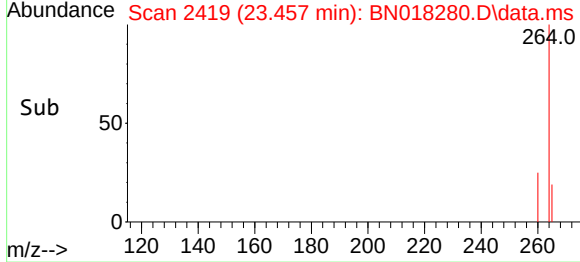
Instrument :
BNA_N
ClientSampleId :
OB-CS-08



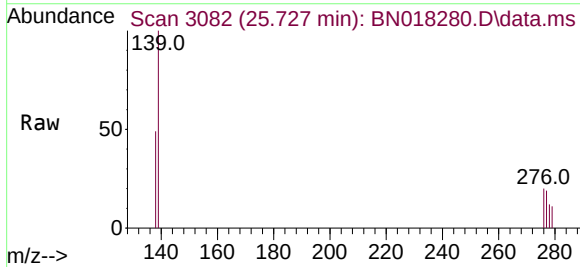
Tgt Ion:264 Resp: 7323
Ion Ratio Lower Upper
264 100
260 43.9 20.2 30.4#
265 42.6 18.2 27.2#

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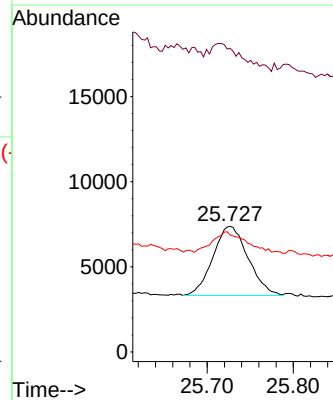
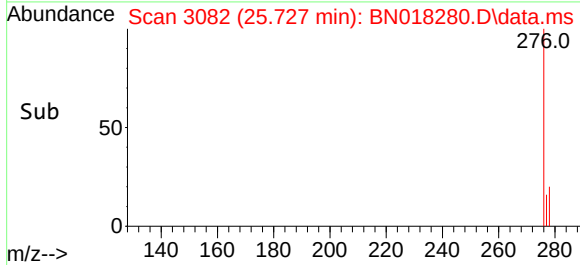
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

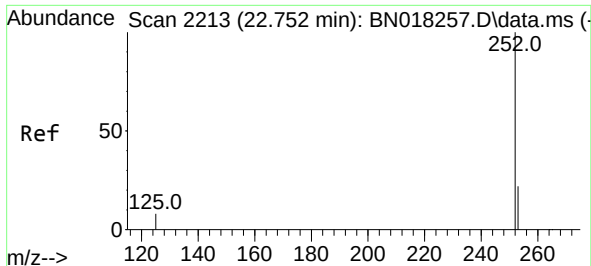


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.066 ng
RT: 25.727 min Scan# 3082
Delta R.T. 0.041 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50



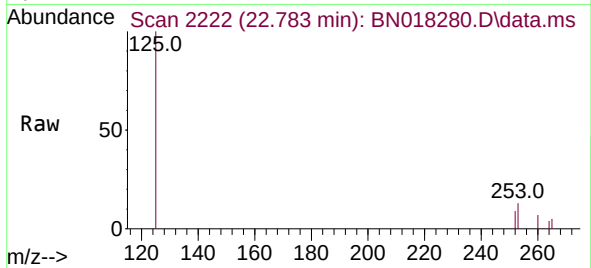
Tgt Ion:276 Resp: 11560
Ion Ratio Lower Upper
276 100
138 33.3 14.9 22.3#
277 31.6 19.9 29.9#





#37
Benzo(b)fluoranthene
Concen: 0.152 ng m
RT: 22.783 min Scan# 21
Delta R.T. 0.031 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

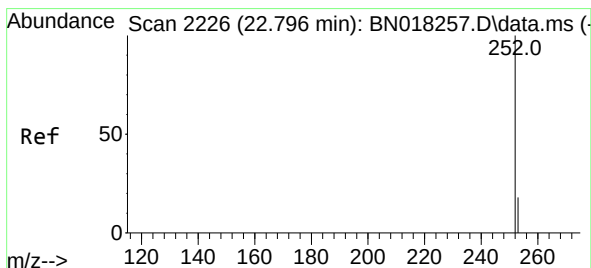
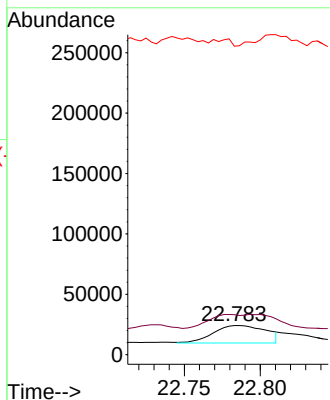
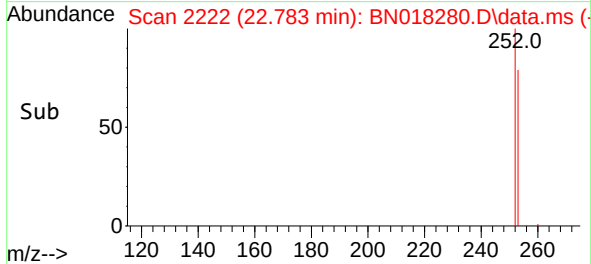
Instrument :
BNA_N
ClientSampleId :
OB-CS-08



Tgt Ion:252 Resp: 35308
Ion Ratio Lower Upper
252 100
253 137.0 17.8 26.6
125 1057.0 6.0 9.0

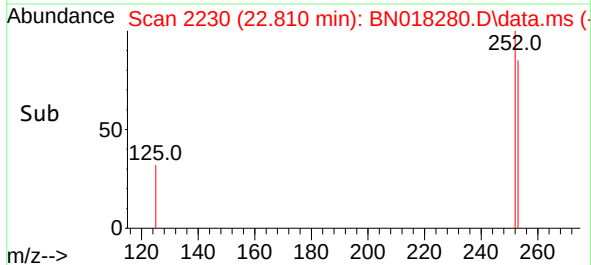
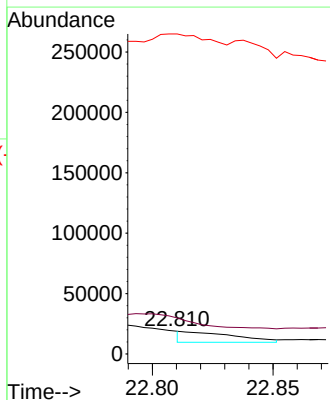
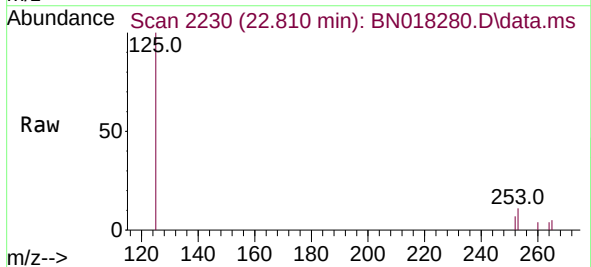
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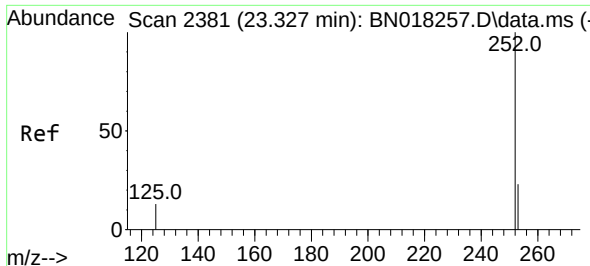
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#38
Benzo(k)fluoranthene
Concen: 0.061 ng m
RT: 22.810 min Scan# 2230
Delta R.T. 0.014 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

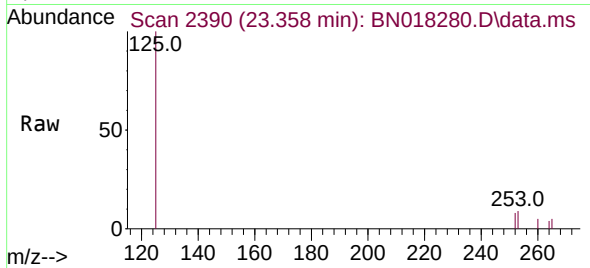
Tgt Ion:252 Resp: 13388
Ion Ratio Lower Upper
252 100
253 158.7 17.7 26.5#
125 1411.2 6.2 9.2#





#39
Benzo(a)pyrene
Concen: 0.069 ng
RT: 23.358 min Scan# 21
Delta R.T. 0.031 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

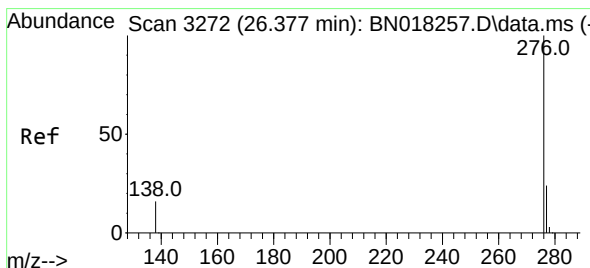
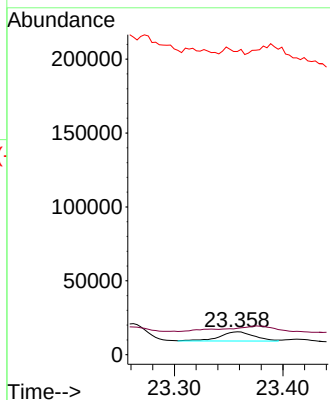
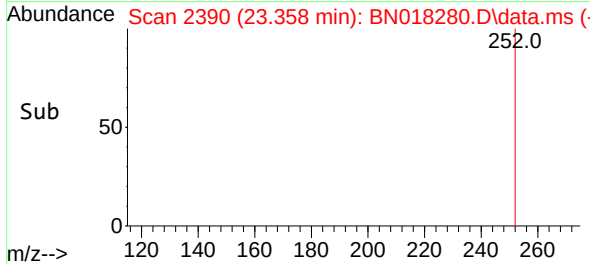
Instrument :
BNA_N
ClientSampleId :
OB-CS-08



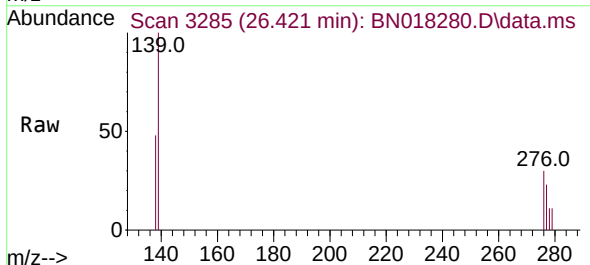
Tgt Ion:252 Resp: 13874
Ion Ratio Lower Upper
252 100
253 115.4 17.8 26.6#
125 1324.4 7.0 10.4#

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



#41
Benzo(g,h,i)perylene
Concen: 0.098 ng
RT: 26.421 min Scan# 3285
Delta R.T. 0.045 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50



Tgt Ion:276 Resp: 17155
Ion Ratio Lower Upper
276 100
277 76.5 19.0 28.6#
138 161.1 12.6 19.0#

