

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
 Data File : BN018281.D
 Acq On : 30 Dec 2021 04:26
 Operator : CG/JU
 Sample : M5107-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-09

Manual Integrations
 APPROVED

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

Quant Time: Dec 30 05:00:25 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	25539	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	111160	0.400	ng	# 0.00
13) Acenaphthene-d10	14.269	164	76107	0.400	ng	0.00
19) Phenanthrene-d10	17.006	188	126525	0.400	ng	# 0.00
29) Chrysene-d12	21.249	240	51069m	0.400	ng	0.05
35) Perylene-d12	23.502	264	41632m	0.400	ng	0.08
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	408	0.008	ng	0.03
5) Phenol-d6	6.840	99	3011	0.061	ng	0.00
8) Nitrobenzene-d5	8.785	82	28247	0.480	ng	0.00
11) 2-Methylnaphthalene-d10	12.007	152	57134	0.306	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	227	0.310	ng	0.03
15) 2-Fluorobiphenyl	12.886	172	86171	0.299	ng	-0.01
27) Fluoranthene-d10	19.048	212	74076	0.184	ng	0.01
31) Terphenyl-d14	19.664	244	51223m	0.395	ng	0.02
Target Compounds						Qvalue
9) Naphthalene	10.458	128	48845	0.178	ng	97
12) 2-Methylnaphthalene	12.083	142	25111	0.143	ng	97
25) Phenanthrene	17.042	178	181239m	0.543	ng	
26) Anthracene	17.139	178	12256	0.083	ng	# 70
28) Fluoranthene	19.078	202	156965	0.402	ng	# 94
30) Pyrene	19.445	202	185023m	0.924	ng	
32) Benzo(a)anthracene	21.249	228	35022m	0.268	ng	
33) Chrysene	21.281	228	72003m	0.438	ng	
34) Bis(2-ethylhexyl)phtha...	21.174	149	1822009m	28.582	ng	
36) Indeno(1,2,3-cd)pyrene	25.751	276	9489	0.095	ng	# 68
37) Benzo(b)fluoranthene	22.838	252	46468m	0.351	ng	
38) Benzo(k)fluoranthene	22.858	252	22391m	0.179	ng	
39) Benzo(a)pyrene	23.313	252	28164	0.245	ng	# 1
41) Benzo(g,h,i)perylene	26.439	276	17190	0.173	ng	# 1

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

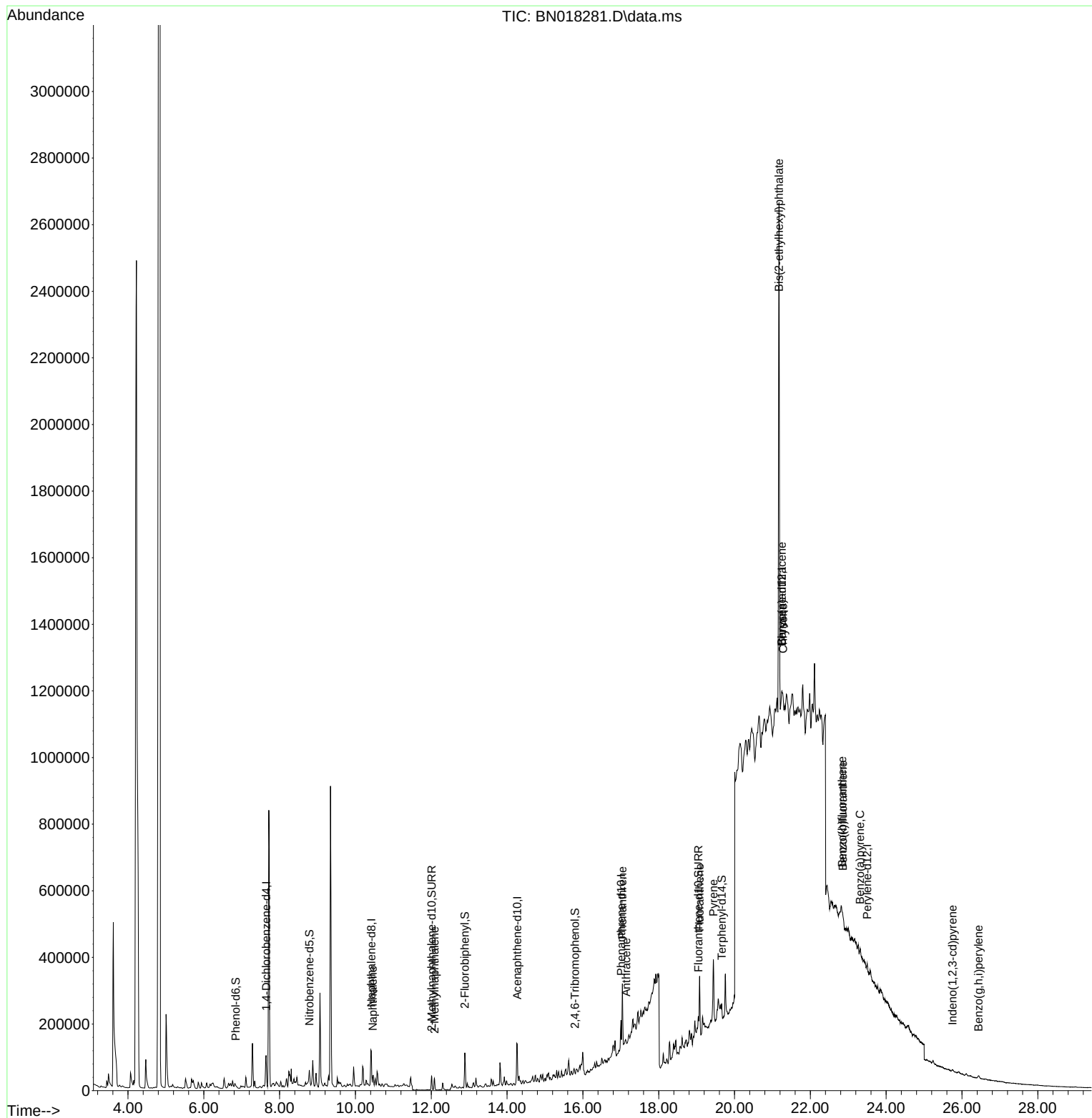
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
Data File : BN018281.D
Acq On : 30 Dec 2021 04:26
Operator : CG/JU
Sample : M5107-09
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ALS Vial : 28 Sample Multiplier: 1

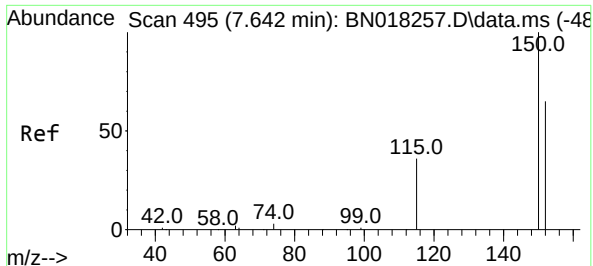
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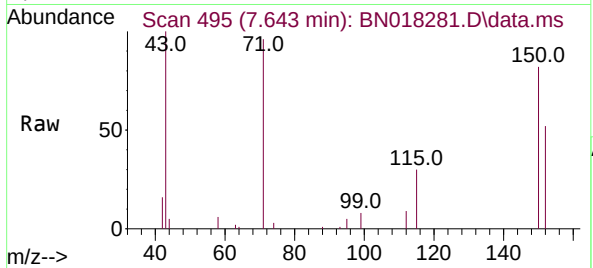
Quant Time: Dec 30 05:00:25 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 29 16:08:47 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.643 min Scan# 495
Delta R.T. 0.001 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

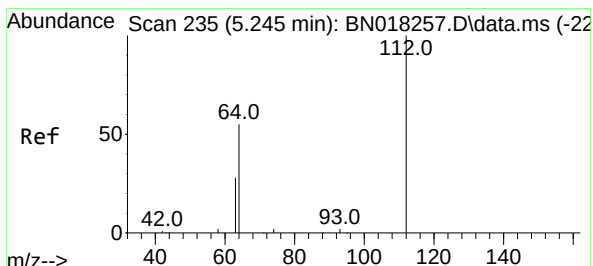
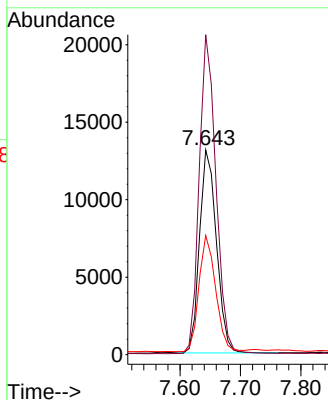
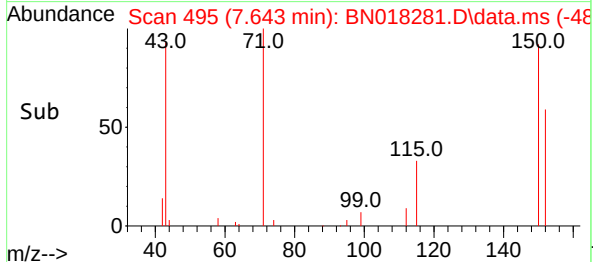
Instrument :
BNA_N
ClientSampleId :
OB-CS-09



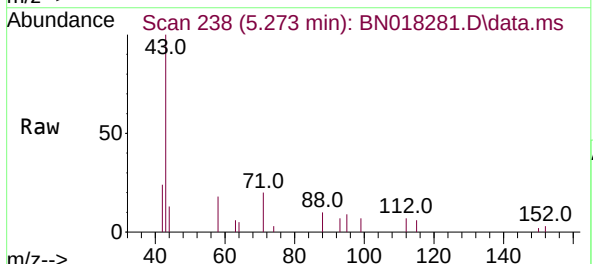
Tgt Ion:152 Resp: 25539
Ion Ratio Lower Upper
152 100
150 156.2 121.7 182.5
115 58.2 43.8 65.8

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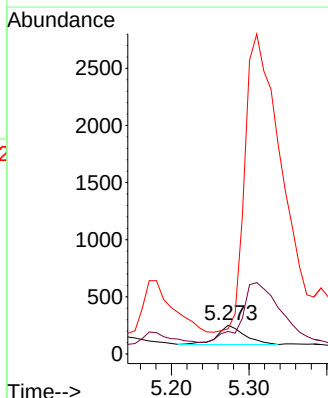
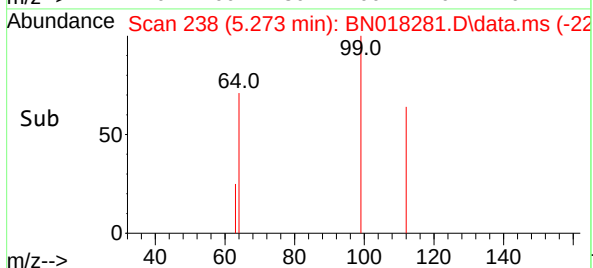
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

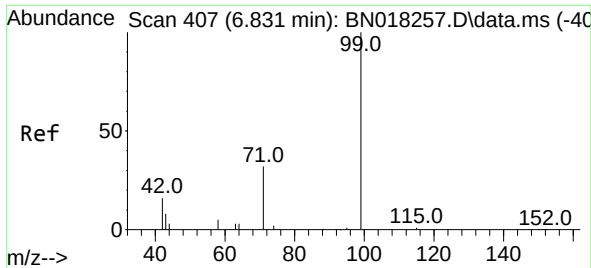


#4
2-Fluorophenol
Concen: 0.008 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.028 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26



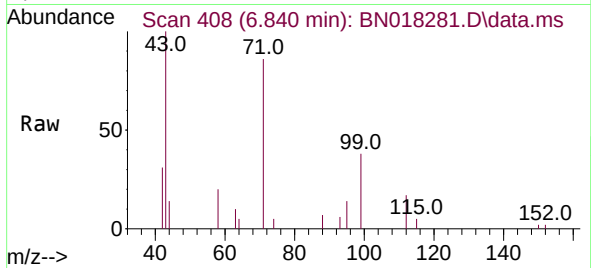
Tgt Ion:112 Resp: 408
Ion Ratio Lower Upper
112 100
64 0.0 48.0 72.0#
63 0.0 25.3 37.9#





#5
Phenol-d6
Concen: 0.061 ng
RT: 6.840 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

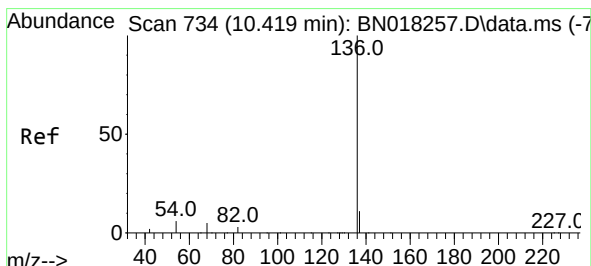
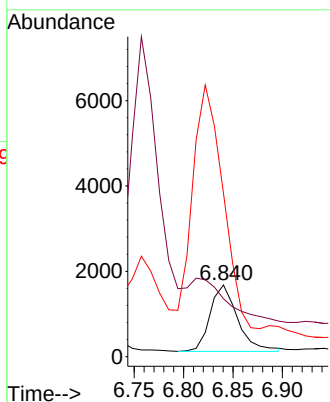
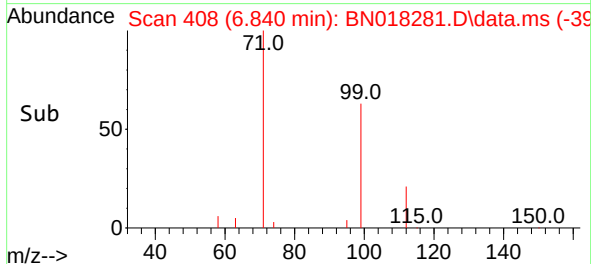
Instrument :
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ClientSampleId :
OB-CS-09



Tgt Ion: 99 Resp: 301
Ion Ratio Lower Upper
99 100
42 0.0 16.3 24.5
71 399.0 26.8 40.2

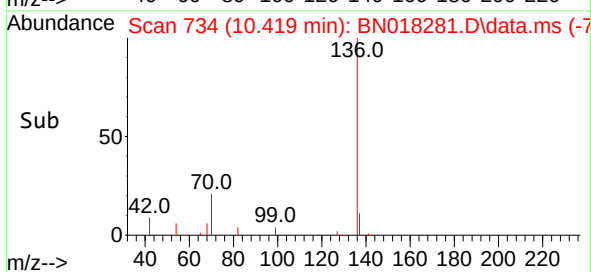
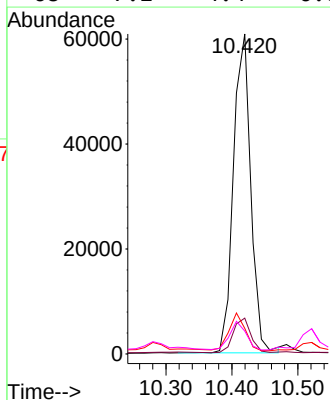
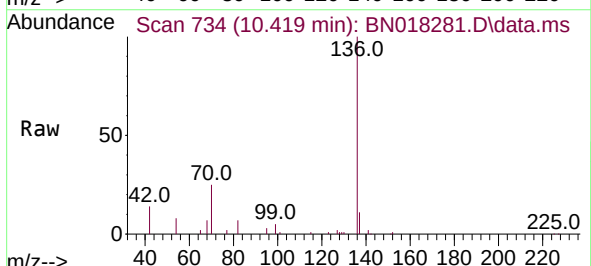
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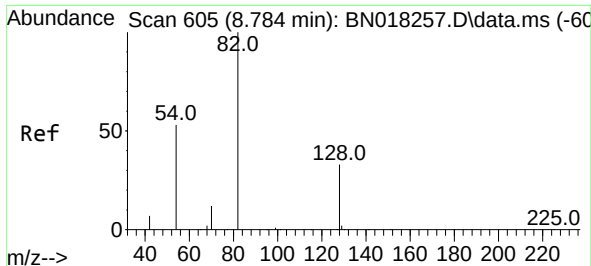
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 734
Delta R.T. 0.000 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Tgt Ion:136 Resp: 111160
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.0 5.0 7.6#
68 7.2 4.4 6.6#





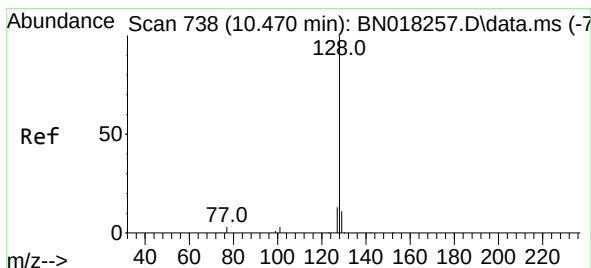
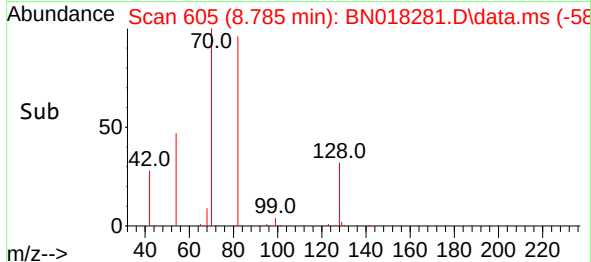
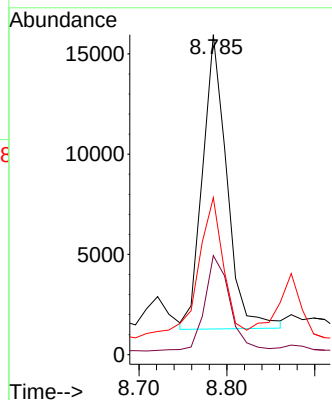
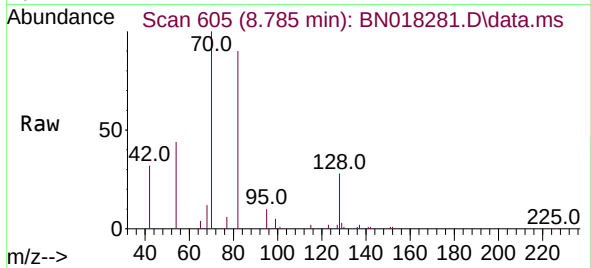
#8
Nitrobenzene-d5
Concen: 0.480 ng
RT: 8.785 min Scan# 605
Delta R.T. 0.001 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Instrument :
BNA_N
ClientSampleId :
OB-CS-09

Tgt Ion: 82 Resp: 2824
Ion Ratio Lower Upper
82 100
128 31.0 33.7 50.5
54 49.1 36.6 55.0

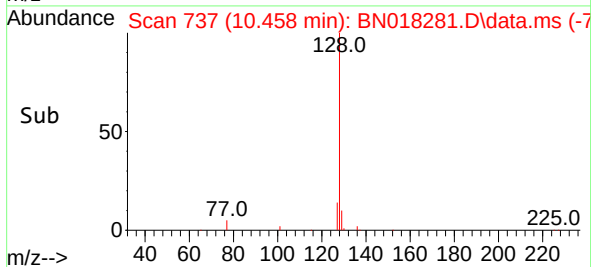
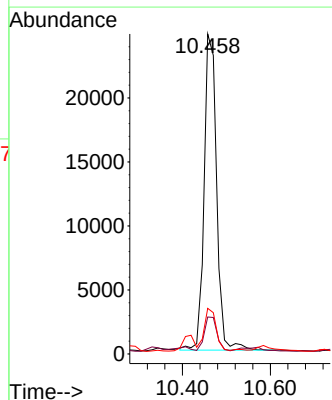
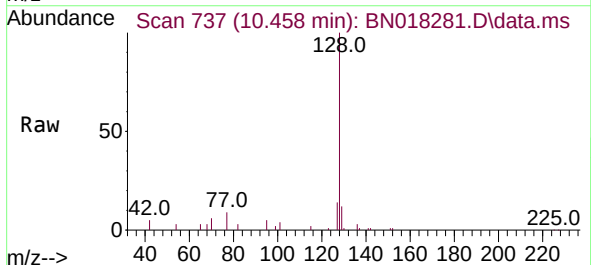
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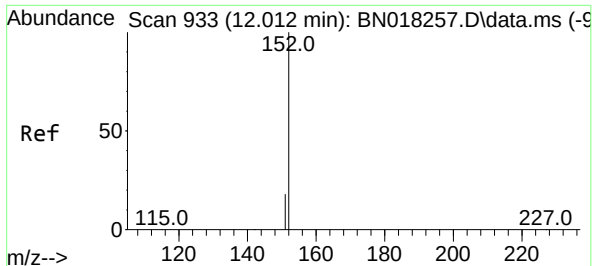
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#9
Naphthalene
Concen: 0.178 ng
RT: 10.458 min Scan# 737
Delta R.T. -0.012 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Tgt Ion:128 Resp: 48845
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 14.3 10.4 15.6





#11

2-Methylnaphthalene-d10

Concen: 0.306 ng

RT: 12.007 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN018281.D

Acq: 30 Dec 2021 04:26

Instrument :

BNA_N

ClientSampleId :

OB-CS-09

Tgt Ion:152 Resp: 57134

Ion Ratio Lower Upper

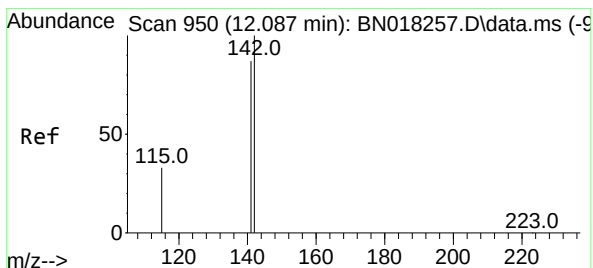
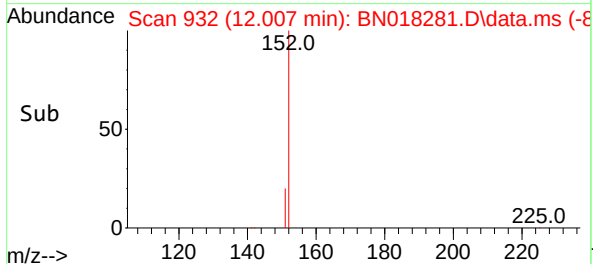
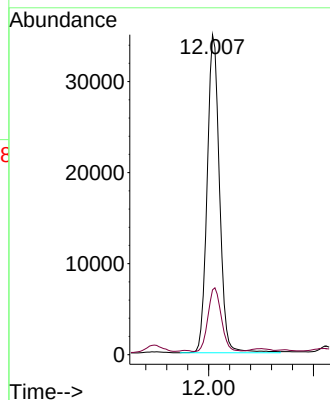
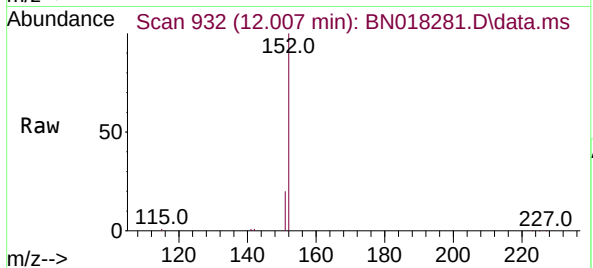
152 100

151 21.5 16.2 24.2

Manual Integrations

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#12

2-Methylnaphthalene

Concen: 0.143 ng

RT: 12.083 min Scan# 949

Delta R.T. -0.004 min

Lab File: BN018281.D

Acq: 30 Dec 2021 04:26

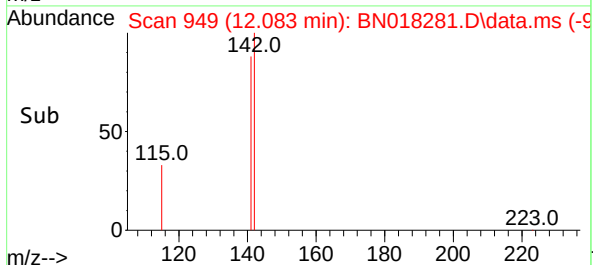
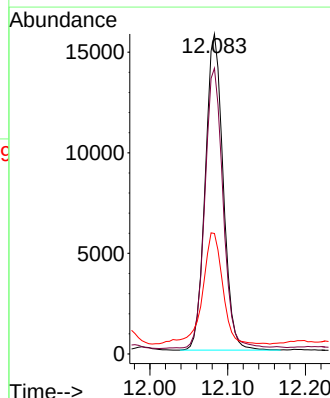
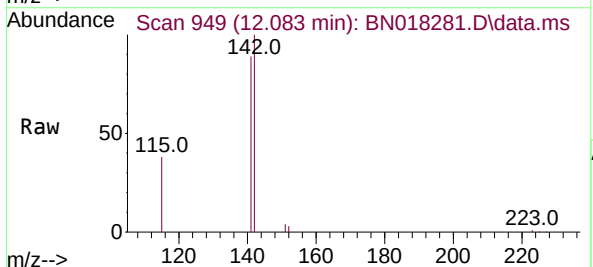
Tgt Ion:142 Resp: 25111

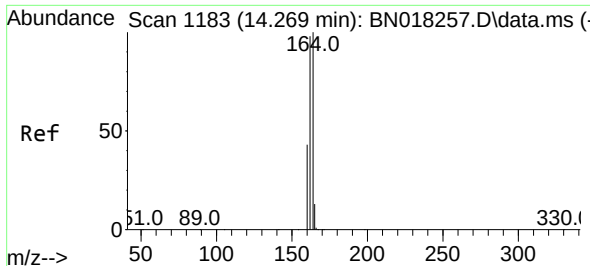
Ion Ratio Lower Upper

142 100

141 89.3 70.0 105.0

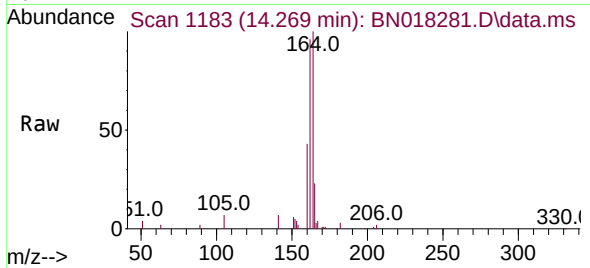
115 37.7 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

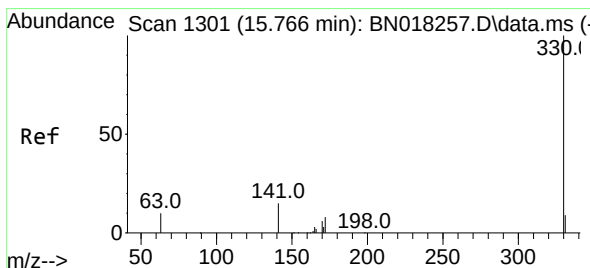
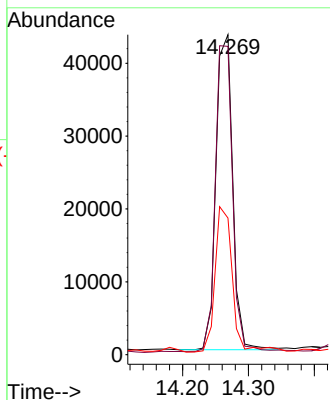
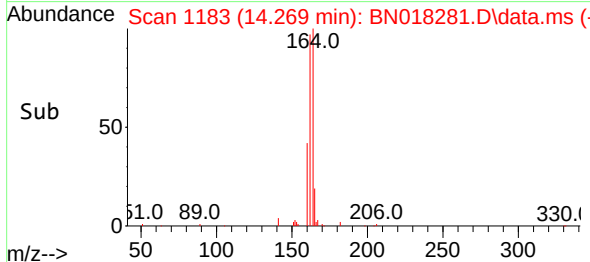
Instrument :
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ClientSampleId :
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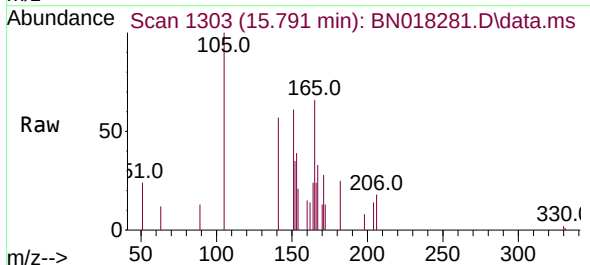
Tgt Ion:164 Resp: 7610
Ion Ratio Lower Upper
164 100
162 96.4 80.2 120.2
160 42.7 36.9 55.3

Manual Integrations
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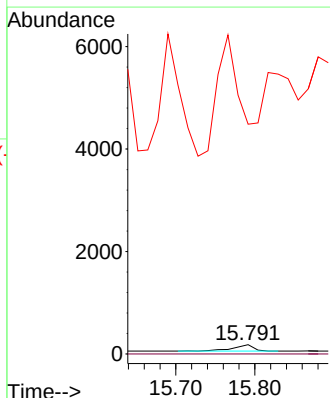
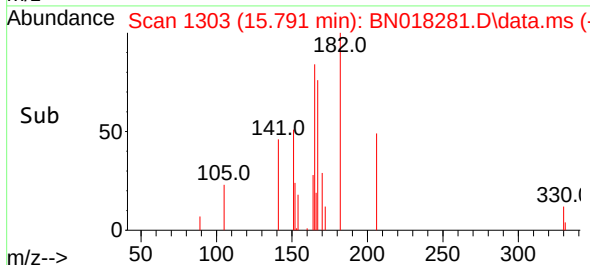
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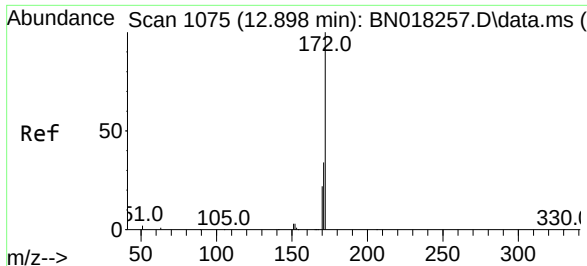


#14
2,4,6-Tribromophenol
Concen: 0.310 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.025 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26



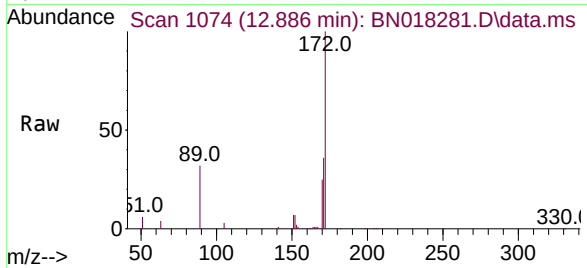
Tgt Ion:330 Resp: 227
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.299 ng
RT: 12.886 min Scan# 1075
Delta R.T. -0.012 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

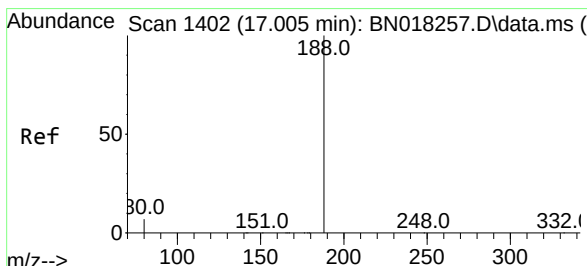
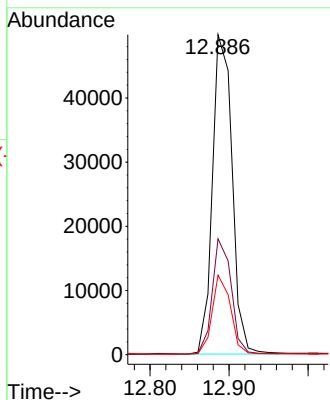
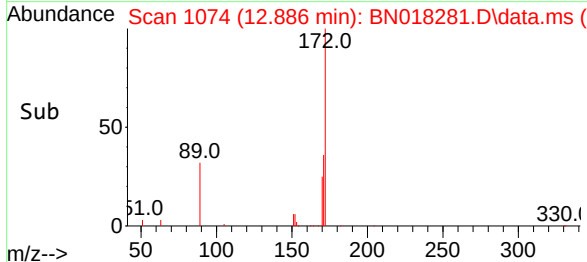
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Tgt Ion:172 Resp: 8617
Ion Ratio Lower Upper
172 100
171 36.2 27.4 41.0
170 24.9 18.4 27.6

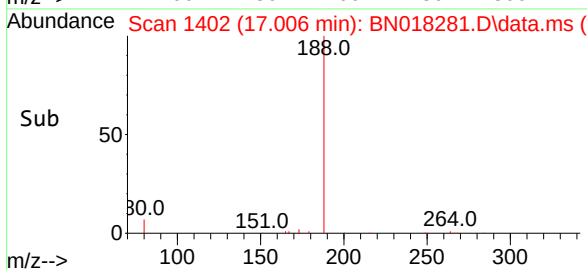
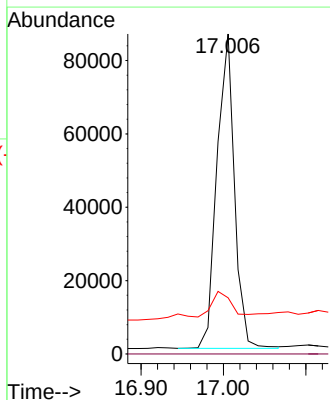
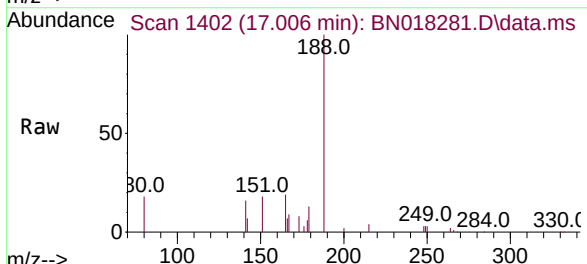
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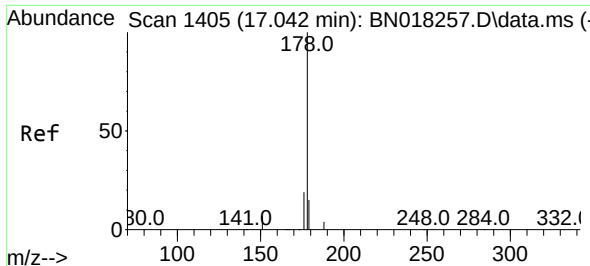
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.006 min Scan# 1402
Delta R.T. 0.001 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

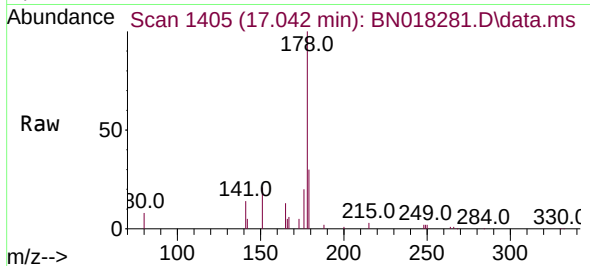
Tgt Ion:188 Resp: 126525
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.5 7.0 10.4





#25
Phenanthrene
Concen: 0.543 ng m
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

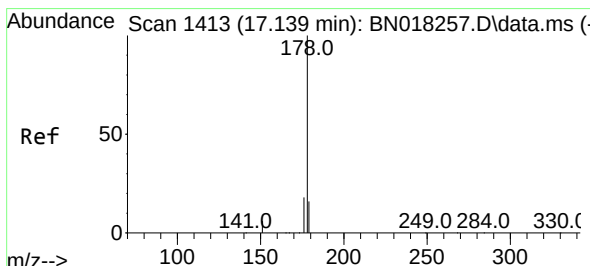
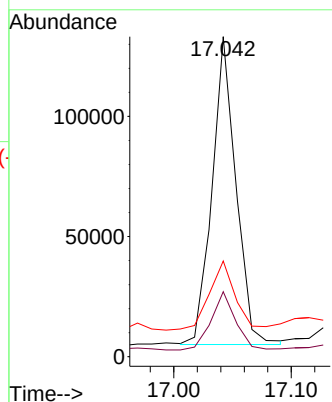
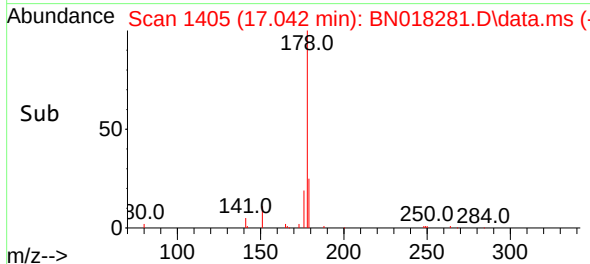
Instrument :
BNA_N
ClientSampleId :
OB-CS-09



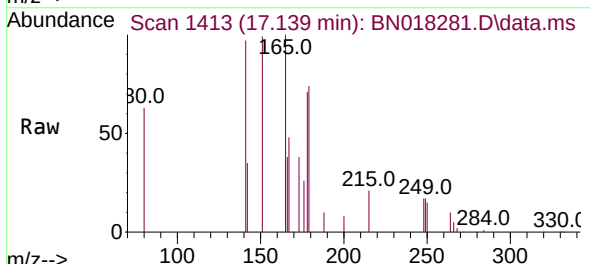
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Ion Ratio Lower Upper
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176 19.5 15.3 22.9
179 24.4 12.3 18.5

Manual Integrations
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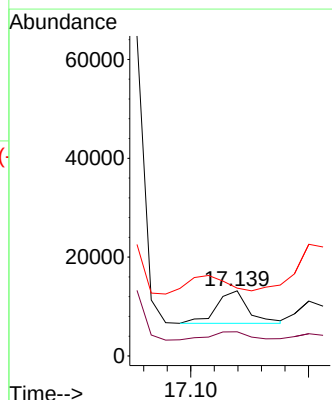
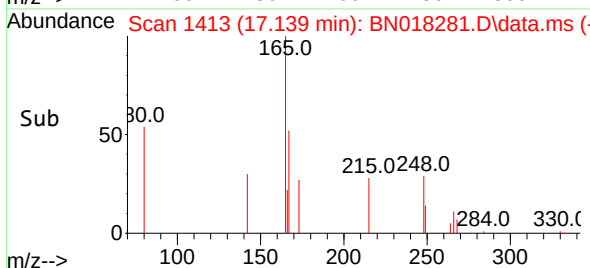
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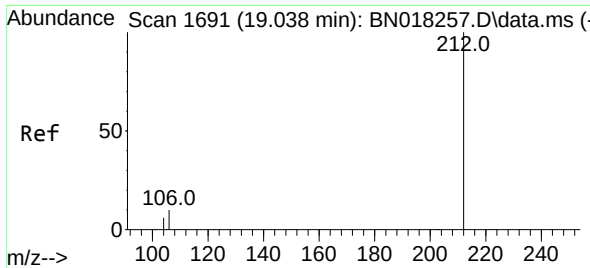


#26
Anthracene
Concen: 0.083 ng
RT: 17.139 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26



Tgt Ion:178 Resp: 12256
Ion Ratio Lower Upper
178 100
176 29.4 14.8 22.2#
179 0.0 12.2 18.4#





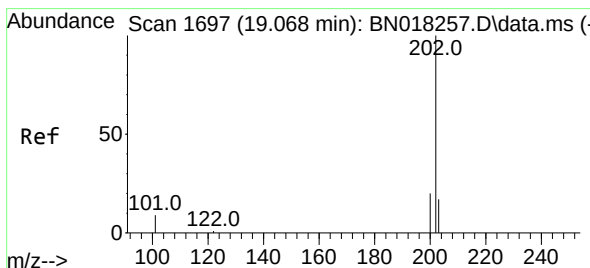
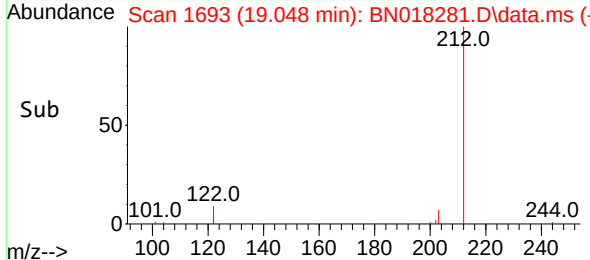
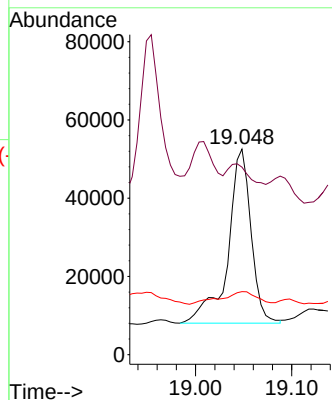
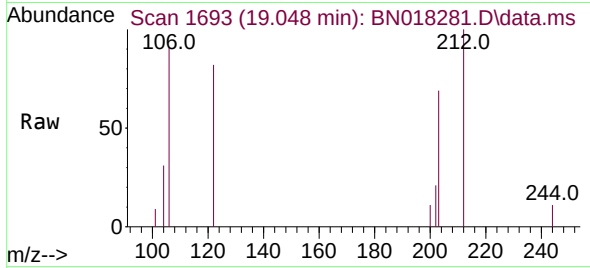
#27
Fluoranthene-d10
Concen: 0.184 ng
RT: 19.048 min Scan# 1693
Delta R.T. 0.010 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Instrument :
BNA_N
ClientSampleId :
OB-CS-09

Tgt Ion:212 Resp: 74070
Ion Ratio Lower Upper
212 100
106 9.4 8.4 12.6
104 11.2 4.5 6.7

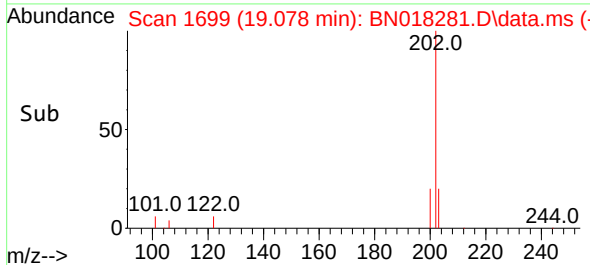
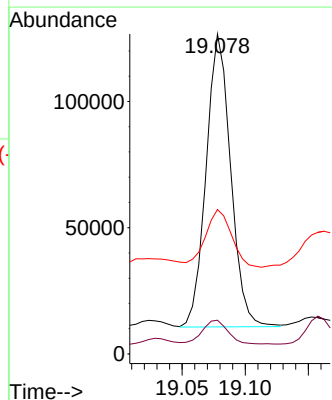
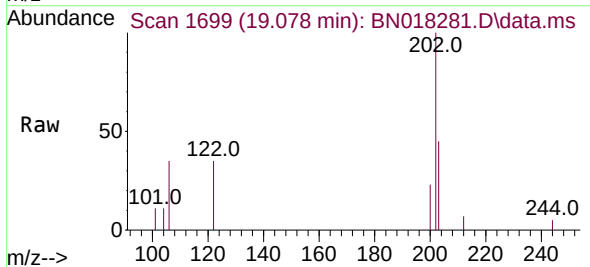
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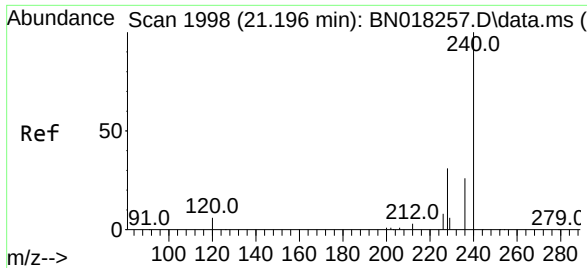
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021



#28
Fluoranthene
Concen: 0.402 ng
RT: 19.078 min Scan# 1699
Delta R.T. 0.010 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

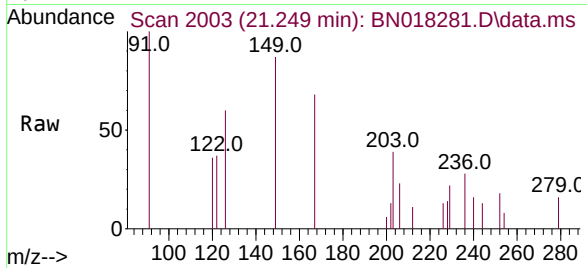
Tgt Ion:202 Resp: 156965
Ion Ratio Lower Upper
202 100
101 8.5 7.2 10.8
203 20.6 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.249 min Scan# 20
Delta R.T. 0.053 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

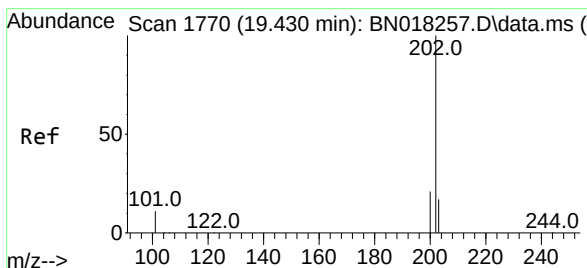
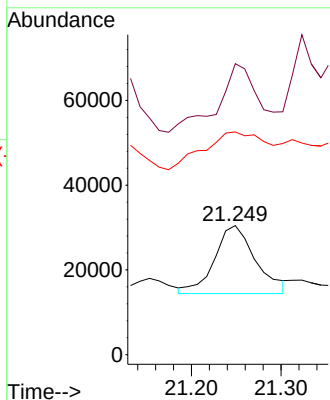
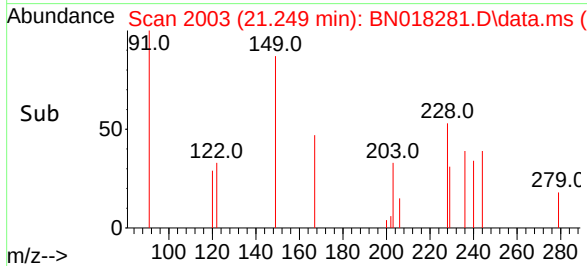
Instrument :
BNA_N
ClientSampleId :
OB-CS-09



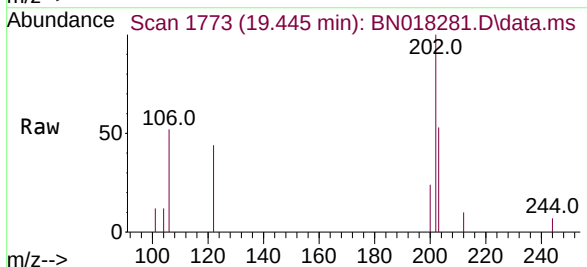
Tgt Ion:240 Resp: 51069
Ion Ratio Lower Upper
240 100
120 225.6 6.0 9.0#
236 172.5 21.4 32.2#

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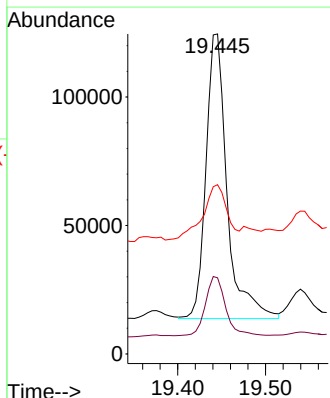
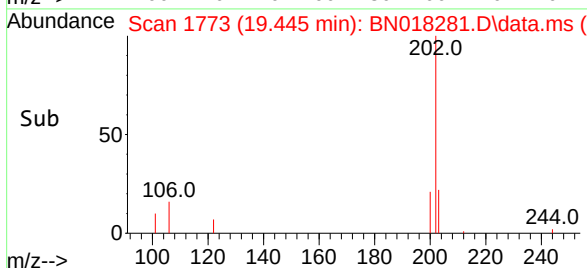
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

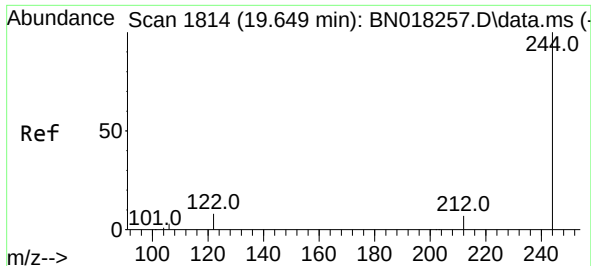


#30
Pyrene
Concen: 0.924 ng m
RT: 19.445 min Scan# 1773
Delta R.T. 0.015 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26



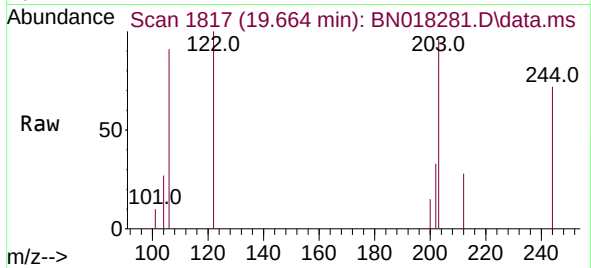
Tgt Ion:202 Resp: 185023
Ion Ratio Lower Upper
202 100
200 1.3 16.6 25.0#
203 1.9 14.1 21.1#





#31
 Terphenyl-d14
 Concen: 0.395 ng m
 RT: 19.664 min Scan# 11
 Delta R.T. 0.015 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

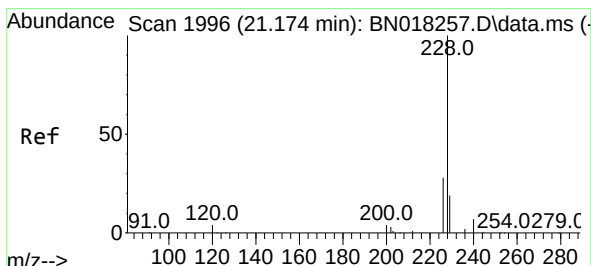
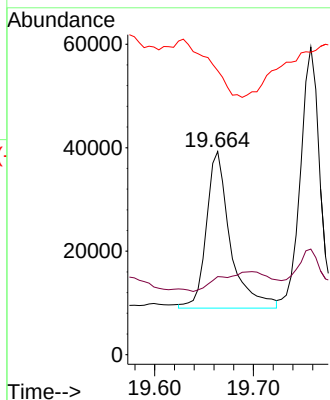
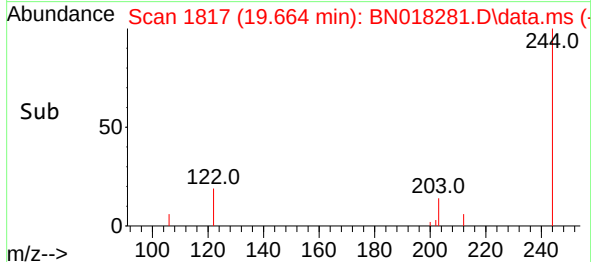
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-09



Tgt Ion:244 Resp: 5122
 Ion Ratio Lower Upper
 244 100
 212 38.5 6.2 9.2
 122 139.8 7.9 11.9

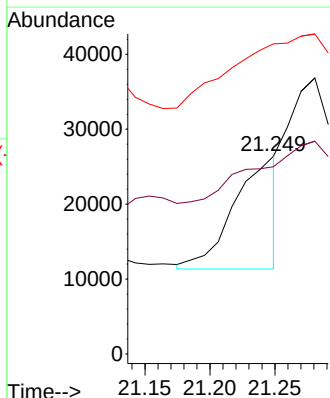
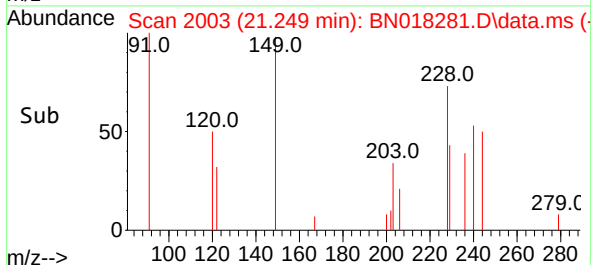
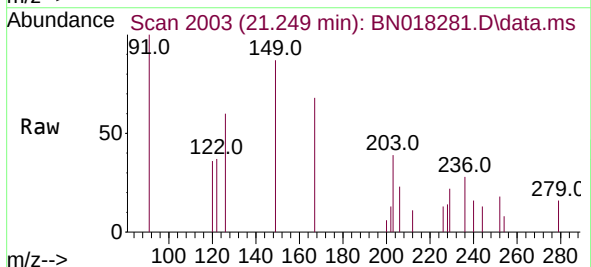
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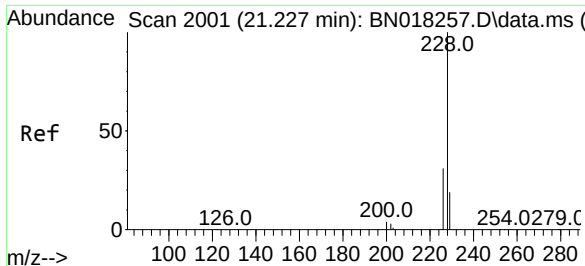
Reviewed By :Jagrut Upadhyay 12/30/2021
 Supervised By :mohammad ahmed 12/30/2021



#32
 Benzo(a)anthracene
 Concen: 0.268 ng m
 RT: 21.249 min Scan# 2003
 Delta R.T. 0.075 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

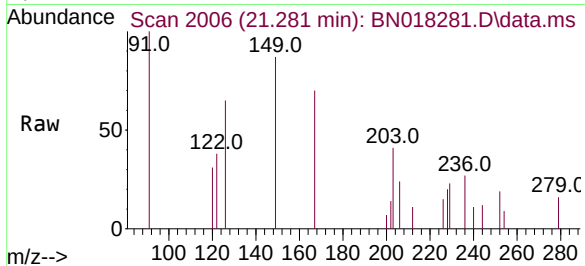
Tgt Ion:228 Resp: 35022
 Ion Ratio Lower Upper
 228 100
 226 94.7 21.3 31.9#
 229 156.9 15.9 23.9#





#33
Chrysene
Concen: 0.438 ng m
RT: 21.281 min Scan# 2006
Delta R.T. 0.053 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

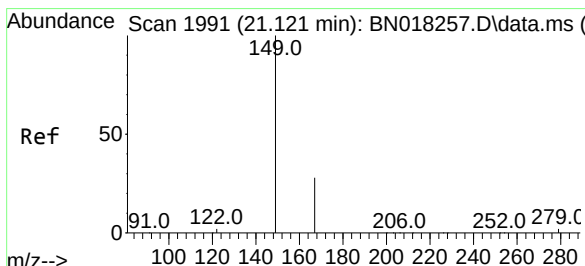
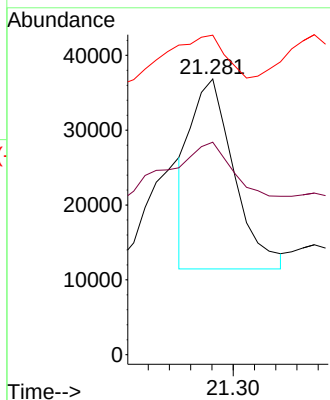
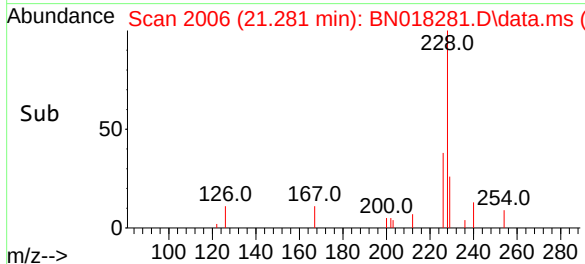
Instrument :
BNA_N
ClientSampleId :
OB-CS-09



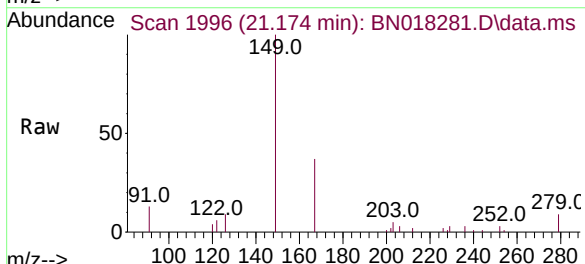
Tgt Ion:228 Resp: 72000
Ion Ratio Lower Upper
228 100
226 77.1 24.2 36.4#
229 115.9 15.5 23.3#

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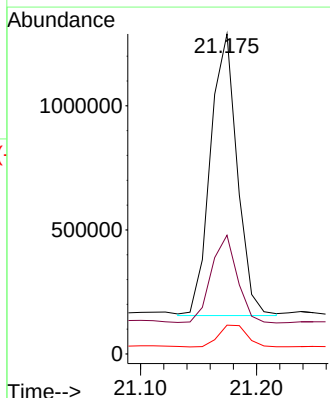
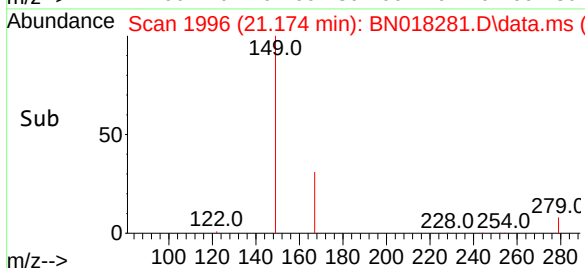
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

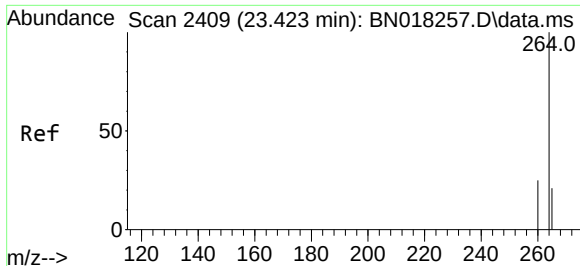


#34
Bis(2-ethylhexyl)phthalate
Concen: 28.582 ng m
RT: 21.174 min Scan# 1996
Delta R.T. 0.053 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26



Tgt Ion:149 Resp: 1822009
Ion Ratio Lower Upper
149 100
167 0.0 23.7 35.5#
279 0.0 3.6 5.4#





#35

Perylene-d12

Concen: 0.400 ng m

RT: 23.502 min Scan# 2409

Delta R.T. 0.079 min

Lab File: BN018281.D

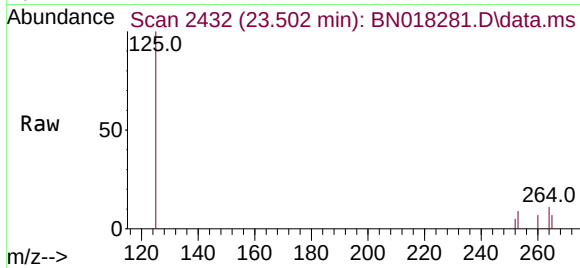
Acq: 30 Dec 2021 04:26

Instrument :

BNA_N

ClientSampleId :

OB-CS-09

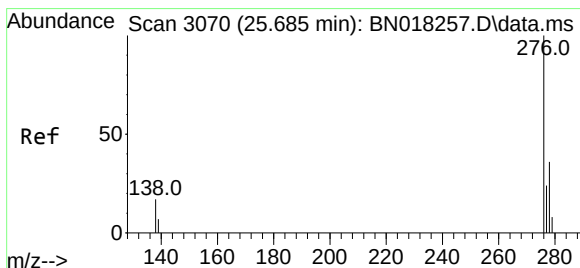
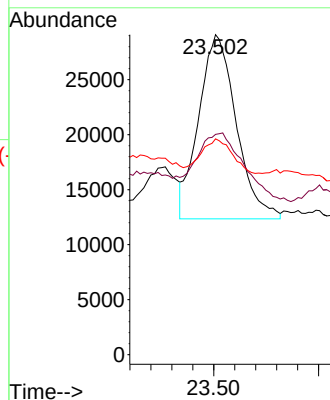
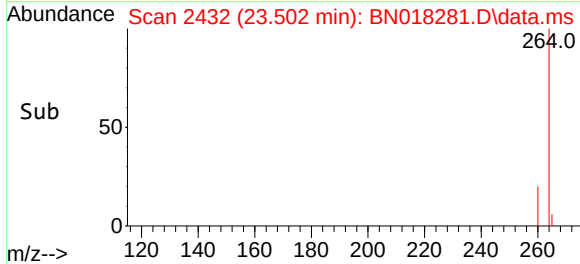


Tgt Ion:264	Resp:	4163
Ion Ratio	Lower	Upper
264	100	
260	68.9	20.2 30.4
265	67.4	18.2 27.2

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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: 0.095 ng

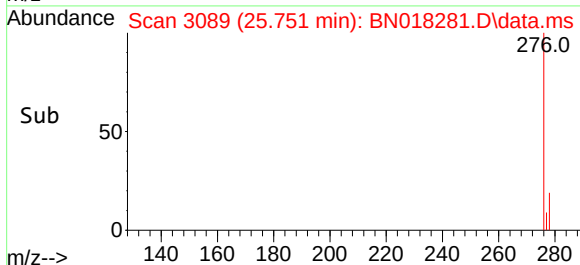
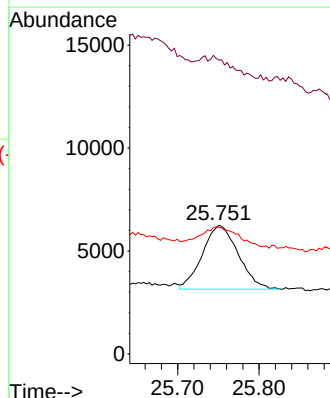
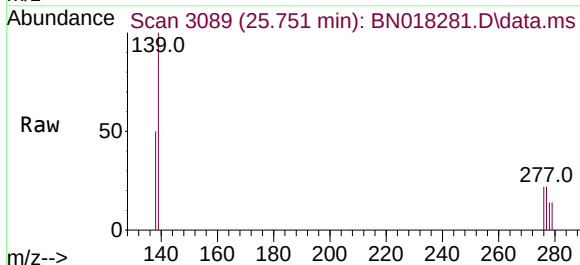
RT: 25.751 min Scan# 3089

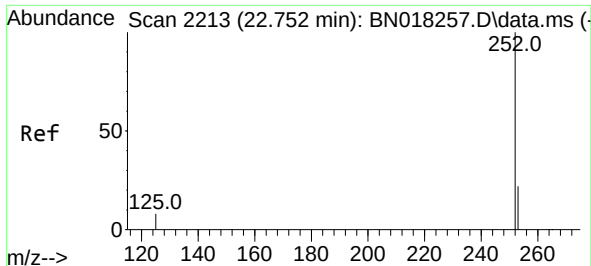
Delta R.T. 0.065 min

Lab File: BN018281.D

Acq: 30 Dec 2021 04:26

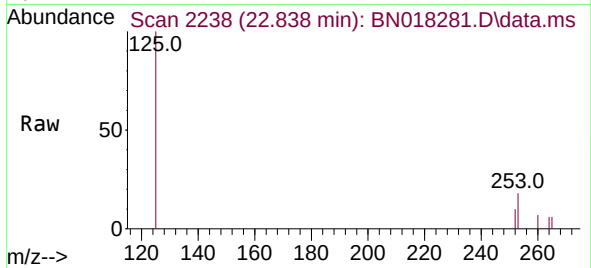
Tgt Ion:276	Resp:	9489
Ion Ratio	Lower	Upper
276	100	
138	0.0	14.9 22.3
277	37.2	19.9 29.9





#37
Benzo(b)fluoranthene
Concen: 0.351 ng m
RT: 22.838 min Scan# 21
Delta R.T. 0.086 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

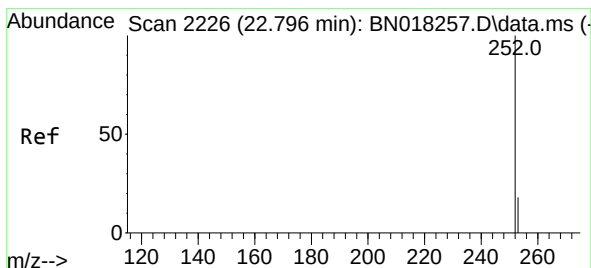
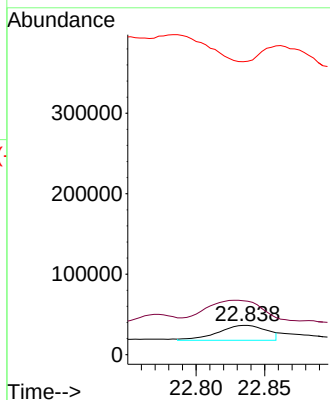
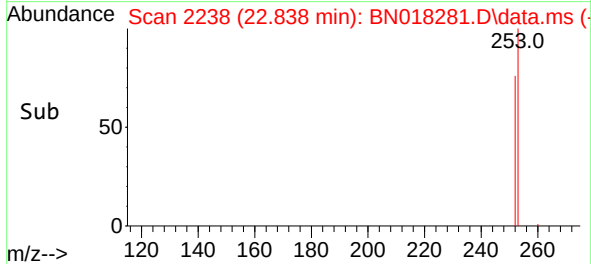
Instrument :
BNA_N
ClientSampleId :
OB-CS-09



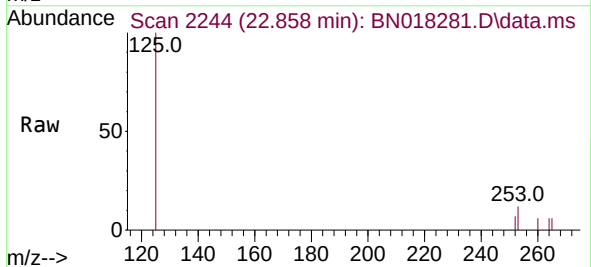
Tgt Ion:252 Resp: 46468
Ion Ratio Lower Upper
252 100
253 182.3 17.8 26.6#
125 1002.2 6.0 9.0#

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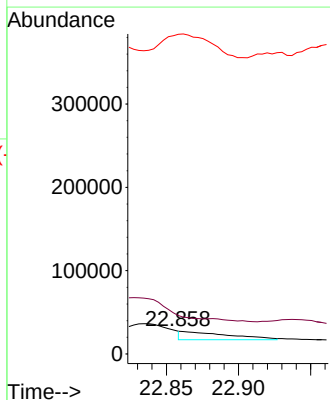
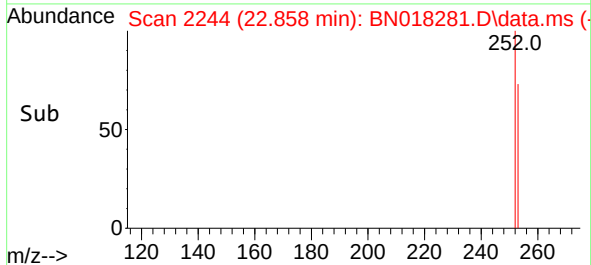
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

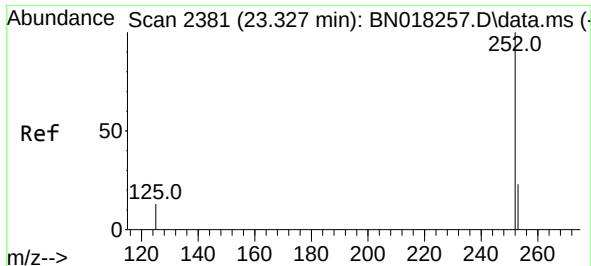


#38
Benzo(k)fluoranthene
Concen: 0.179 ng m
RT: 22.858 min Scan# 2244
Delta R.T. 0.062 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26



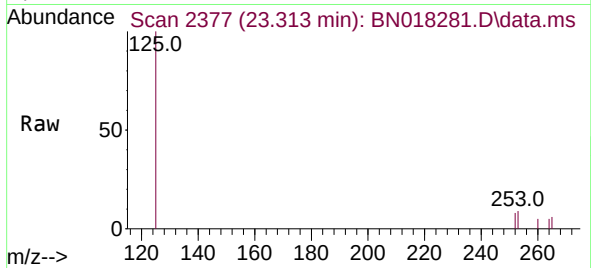
Tgt Ion:252 Resp: 22391
Ion Ratio Lower Upper
252 100
253 168.8 17.7 26.5#
125 1403.2 6.2 9.2#





#39
Benzo(a)pyrene
Concen: 0.245 ng
RT: 23.313 min Scan# 21
Delta R.T. -0.014 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

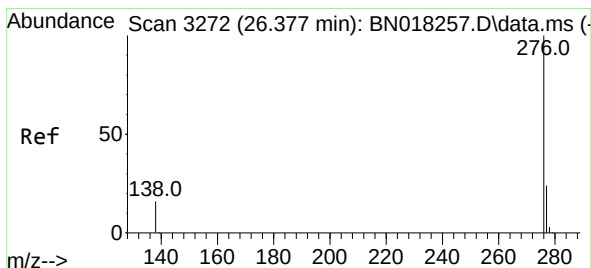
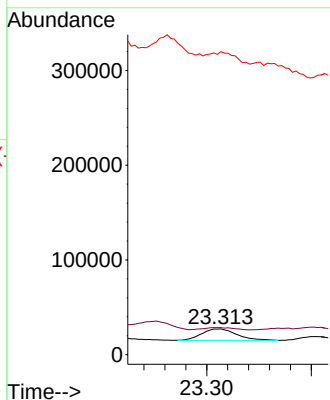
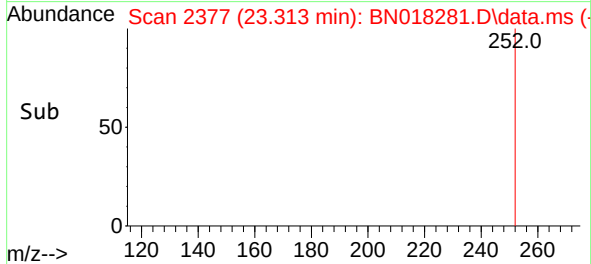
Instrument :
BNA_N
ClientSampleId :
OB-CS-09



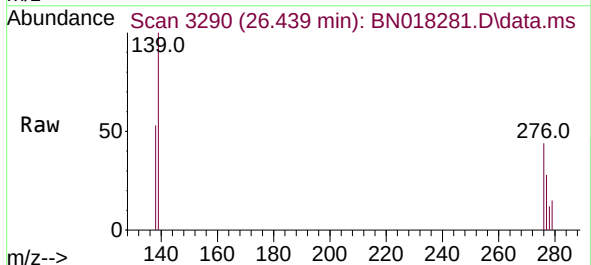
Tgt Ion:252 Resp: 28164
Ion Ratio Lower Upper
252 100
253 105.5 17.8 26.6#
125 1178.8 7.0 10.4#

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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: 0.173 ng
RT: 26.439 min Scan# 3290
Delta R.T. 0.062 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26



Tgt Ion:276 Resp: 17190
Ion Ratio Lower Upper
276 100
277 65.1 19.0 28.6#
138 120.7 12.6 19.0#

