

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
 Data File : BN018269.D
 Acq On : 29 Dec 2021 20:01
 Operator : CG/JU
 Sample : M5107-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-01

Manual Integrations
 APPROVED

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

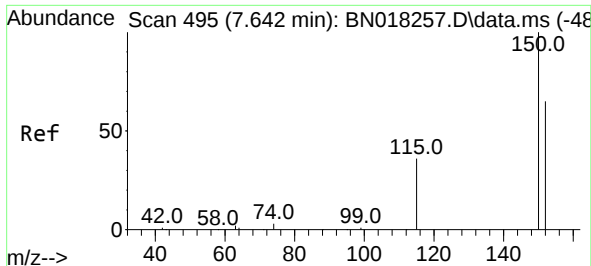
Quant Time: Dec 30 02:23:55 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 29 16:08:47 2021
 Response via : Initial Calibration

Supervised By :mohammad
 ahmed
 12/30/2021

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

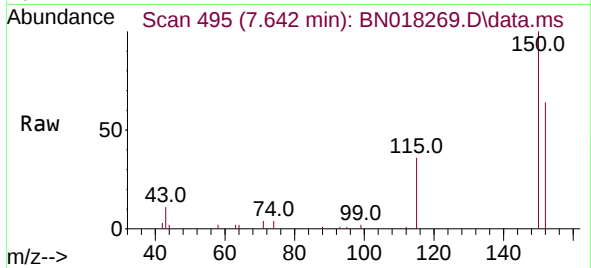
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	27581	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	110573	0.400	ng	0.00
13) Acenaphthene-d10	14.268	164	69103	0.400	ng	0.00
19) Phenanthrene-d10	17.005	188	135049	0.400	ng	0.00
29) Chrysene-d12	21.195	240	97051	0.400	ng	# 0.00
35) Perylene-d12	23.429	264	94741	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.272	112	860	0.016	ng	0.03
5) Phenol-d6	6.840	99	1473	0.028	ng	0.00
8) Nitrobenzene-d5	8.784	82	20421m	0.386	ng	0.00
11) 2-Methylnaphthalene-d10	12.007	152	46788	0.252	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	282	0.312	ng	0.02
15) 2-Fluorobiphenyl	12.898	172	73138	0.280	ng	0.00
27) Fluoranthene-d10	19.038	212	105461	0.245	ng	0.00
31) Terphenyl-d14	19.643	244	83229	0.338	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.470	128	23651	0.086	ng	98
12) 2-Methylnaphthalene	12.082	142	56804	0.324	ng	99
25) Phenanthrene	17.042	178	121726m	0.342	ng	
26) Anthracene	17.139	178	15413	0.090	ng	# 82
28) Fluoranthene	19.068	202	164000	0.393	ng	99
30) Pyrene	19.430	202	146430	0.385	ng	96
32) Benzo(a)anthracene	21.174	228	63930	0.260	ng	# 78
33) Chrysene	21.227	228	84350m	0.270	ng	
34) Bis(2-ethylhexyl)phtha...	21.131	149	333130	2.750	ng	99
36) Indeno(1,2,3-cd)pyrene	25.692	276	35764	0.158	ng	96
37) Benzo(b)fluoranthene	22.758	252	77852	0.259	ng	# 1
38) Benzo(k)fluoranthene	22.796	252	40364m	0.142	ng	
39) Benzo(a)pyrene	23.327	252	48839	0.186	ng	# 1
40) Dibenzo(a,h)anthracene	25.706	278	15389	0.095	ng	# 1
41) Benzo(g,h,i)perylene	26.383	276	37969	0.168	ng	# 57

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



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

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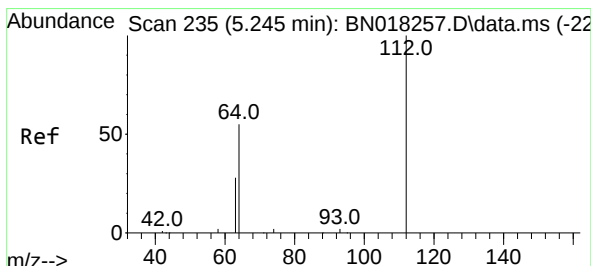
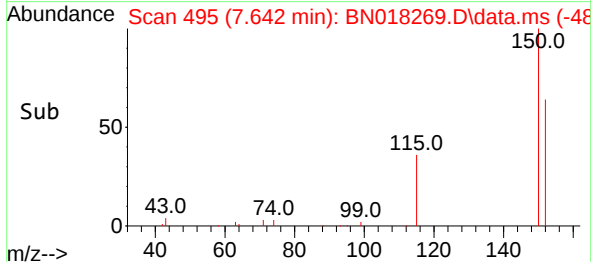
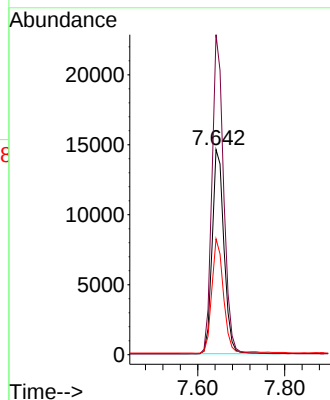


Tgt Ion:152 Resp: 2758
Ion Ratio Lower Upper
152 100
150 156.1 121.7 182.5
115 56.5 43.8 65.8

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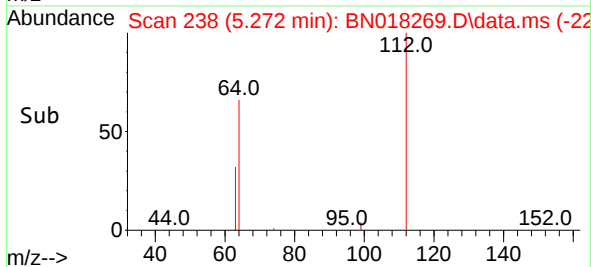
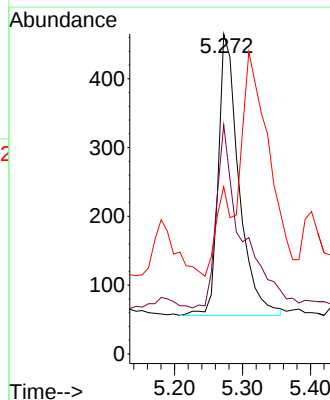
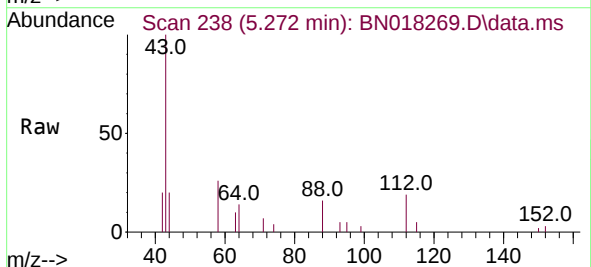
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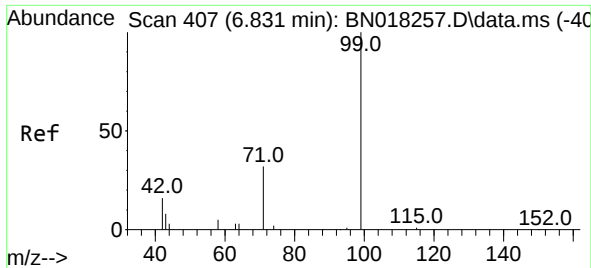
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#4
2-Fluorophenol
Concen: 0.016 ng
RT: 5.272 min Scan# 238
Delta R.T. 0.027 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

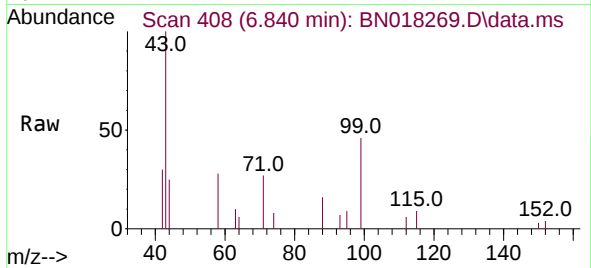
Tgt Ion:112 Resp: 860
Ion Ratio Lower Upper
112 100
64 78.7 48.0 72.0#
63 0.0 25.3 37.9#





#5
Phenol-d6
Concen: 0.028 ng
RT: 6.840 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Instrument :
BNA_N
ClientSampleId :
OB-CS-01

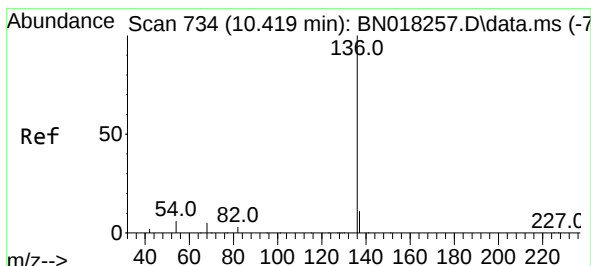
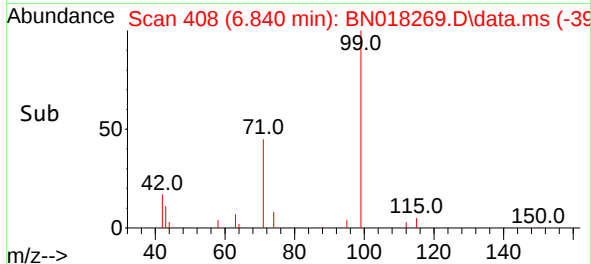
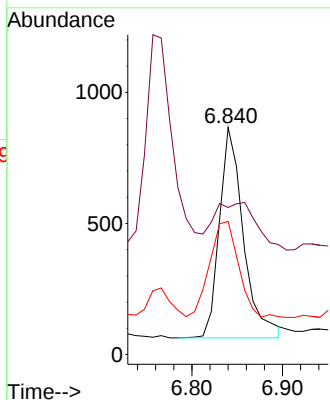


Tgt Ion: 99 Resp: 147
Ion Ratio Lower Upper
99 100
42 32.0 16.3 24.5
71 53.8 26.8 40.2

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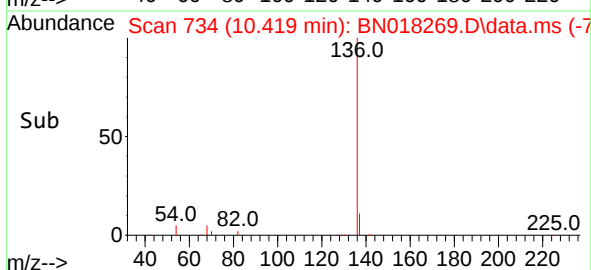
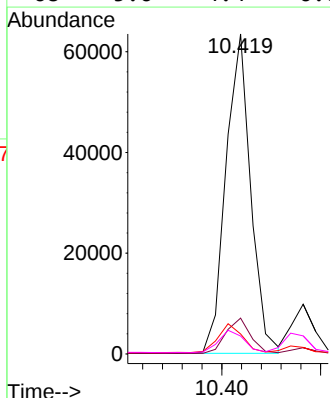
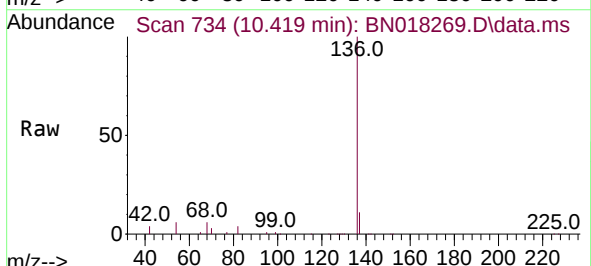
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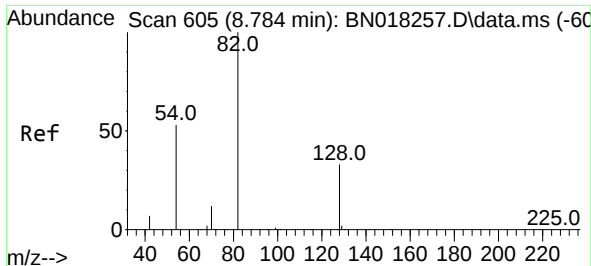
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 734
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Tgt Ion:136 Resp: 110573
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.3 5.0 7.6
68 5.6 4.4 6.6





#8
Nitrobenzene-d5
Concen: 0.386 ng m
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

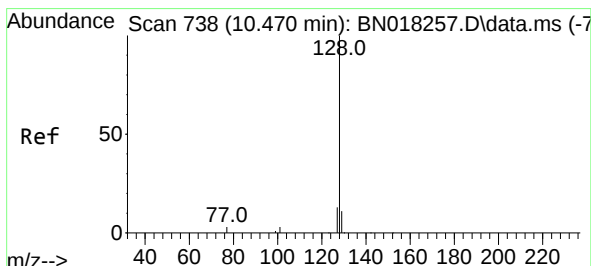
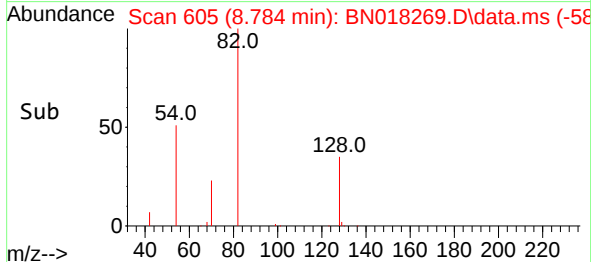
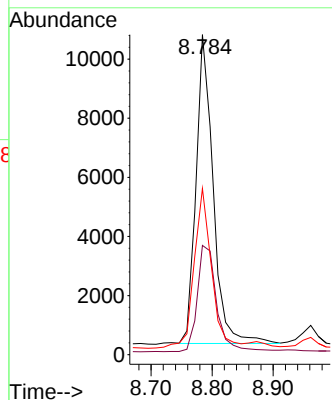
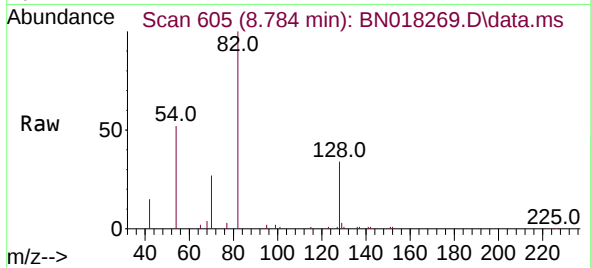
Instrument :
BNA_N
ClientSampleId :
OB-CS-01

Tgt Ion: 82 Resp: 2042
Ion Ratio Lower Upper
82 100
128 34.2 33.7 50.5
54 51.9 36.6 55.0

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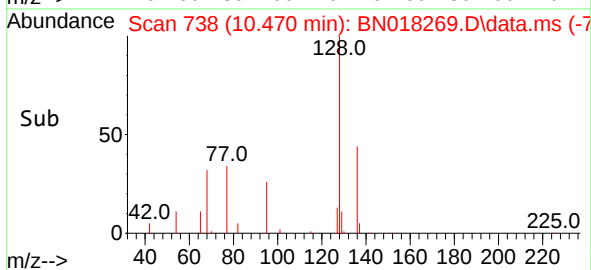
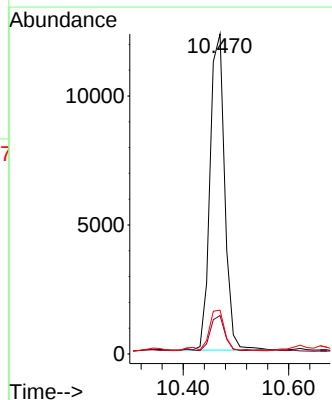
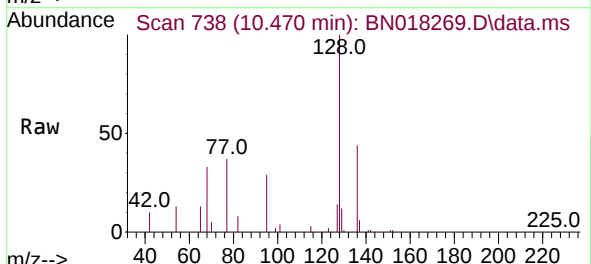
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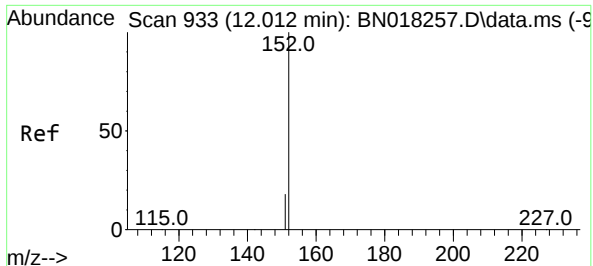
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#9
Naphthalene
Concen: 0.086 ng
RT: 10.470 min Scan# 738
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

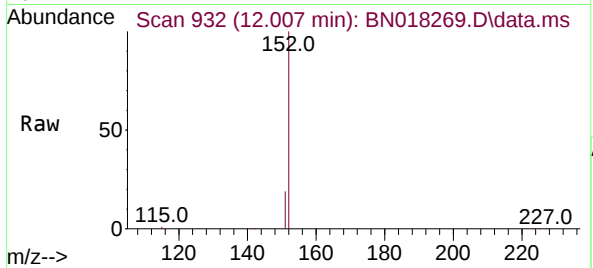
Tgt Ion:128 Resp: 23651
Ion Ratio Lower Upper
128 100
129 12.0 8.7 13.1
127 13.7 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.252 ng
RT: 12.007 min Scan# 911
Delta R.T. -0.005 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Instrument :
BNA_N
ClientSampleId :
OB-CS-01

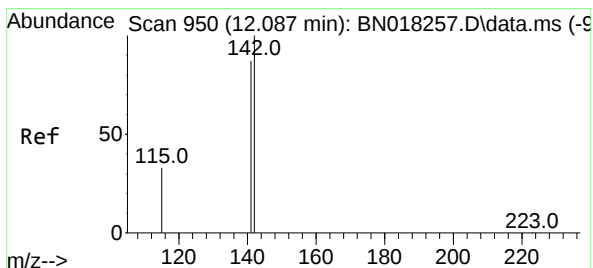
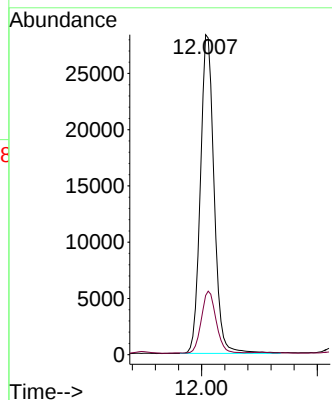


Tgt Ion:152 Resp: 46788
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.2

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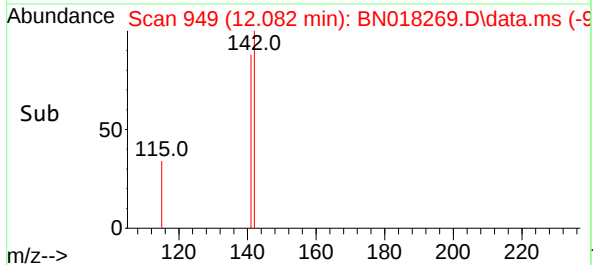
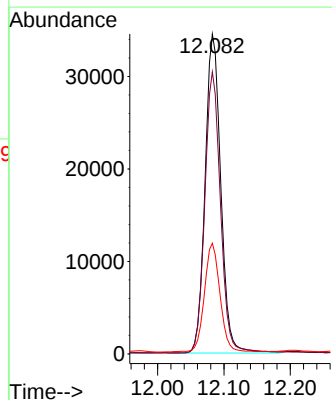
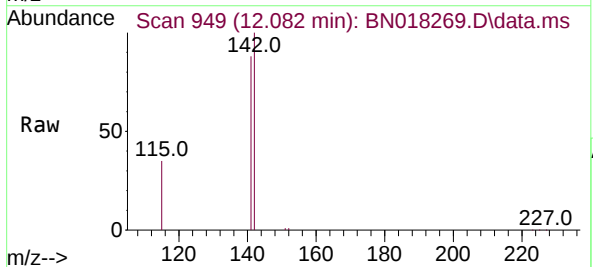
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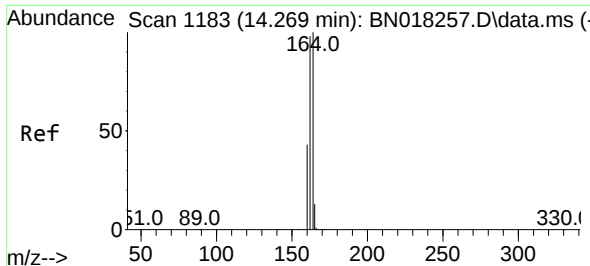
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#12
2-Methylnaphthalene
Concen: 0.324 ng
RT: 12.082 min Scan# 949
Delta R.T. -0.005 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

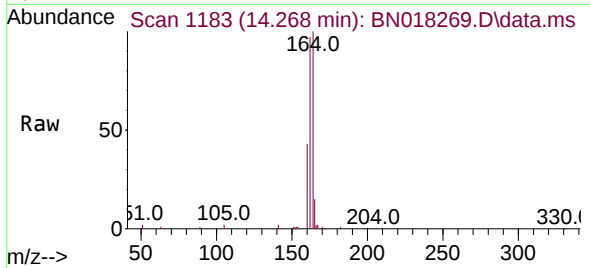
Tgt Ion:142 Resp: 56804
Ion Ratio Lower Upper
142 100
141 88.2 70.0 105.0
115 34.6 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.268 min Scan# 1183
Delta R.T. -0.001 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Instrument :
BNA_N
ClientSampleId :
OB-CS-01

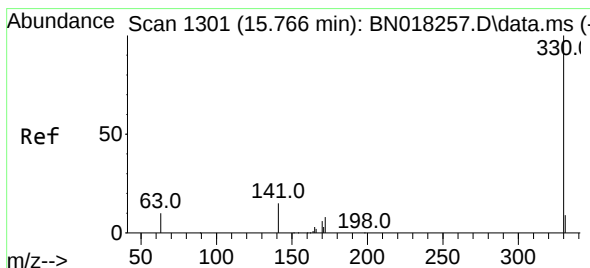
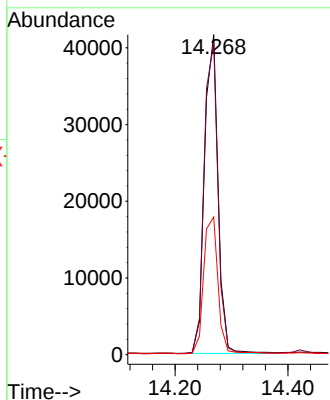
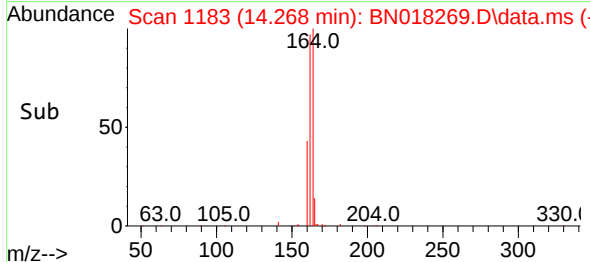


Tgt Ion:164 Resp: 6910
Ion Ratio Lower Upper
164 100
162 97.3 80.2 120.2
160 43.0 36.9 55.3

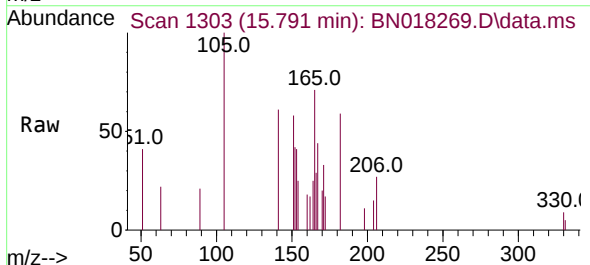
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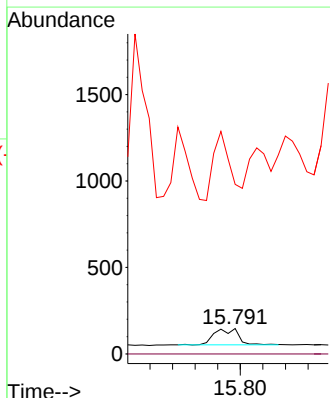
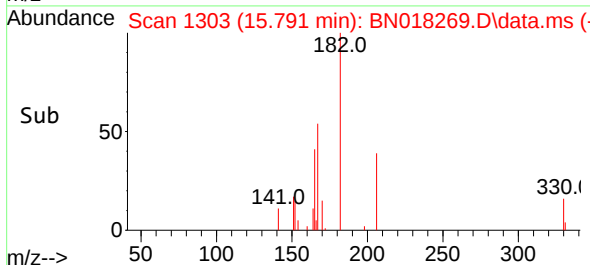
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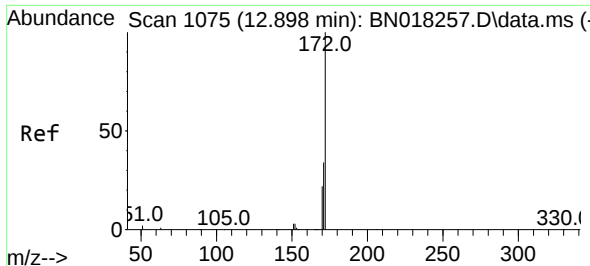


#14
2,4,6-Tribromophenol
Concen: 0.312 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.025 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01



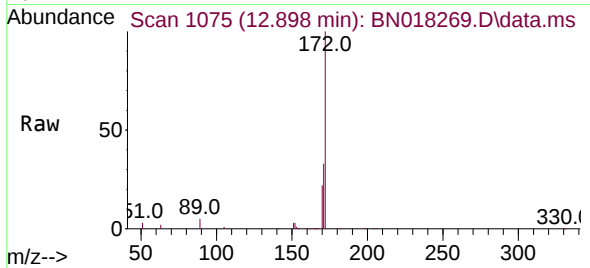
Tgt Ion:330 Resp: 282
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.280 ng
RT: 12.898 min Scan# 1075
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Instrument :
BNA_N
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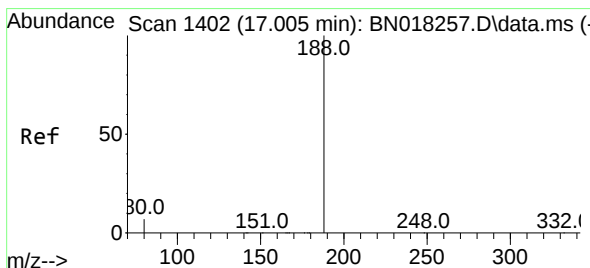
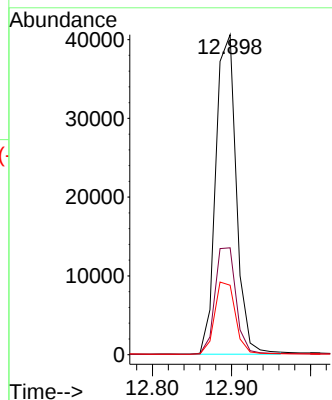


Tgt Ion:172 Resp: 73138
Ion Ratio Lower Upper
172 100
171 33.4 27.4 41.0
170 21.7 18.4 27.6

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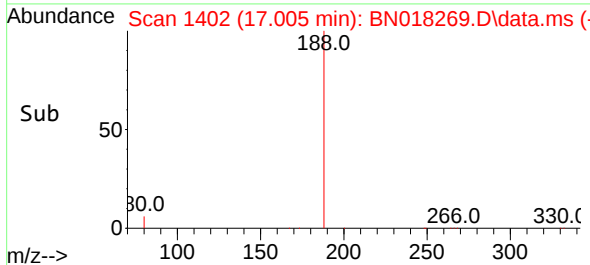
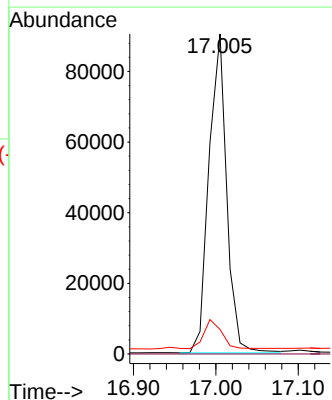
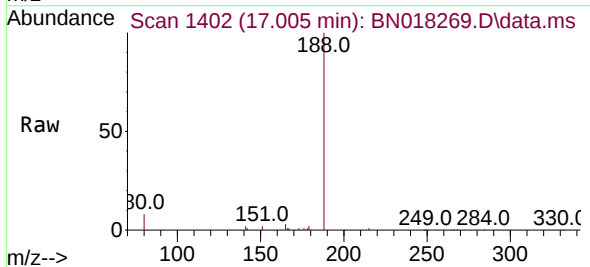
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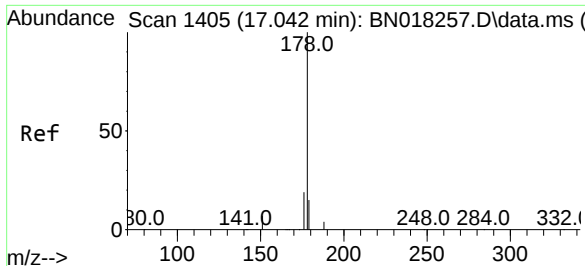
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ahmed
12/30/2021



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.005 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

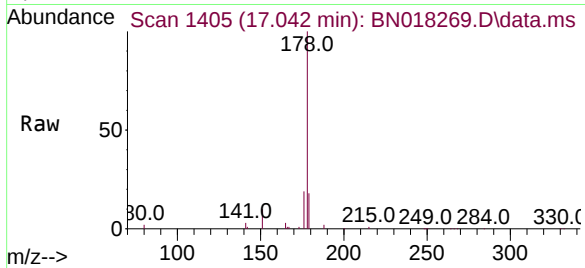
Tgt Ion:188 Resp: 135049
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.7 7.0 10.4





#25
Phenanthrene
Concen: 0.342 ng m
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

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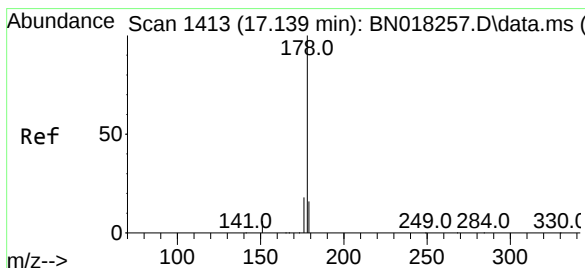
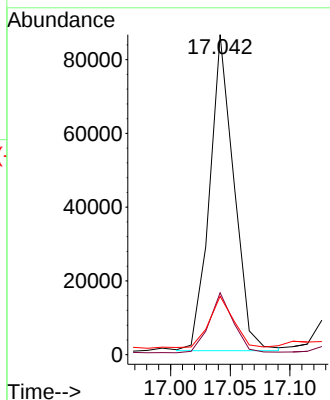


Tgt Ion:178 Resp: 121720
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 19.3 12.3 18.5

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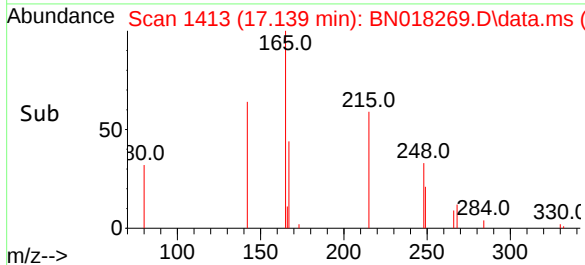
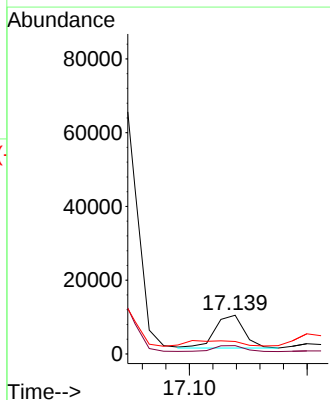
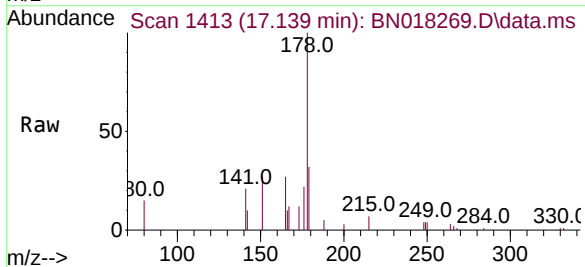
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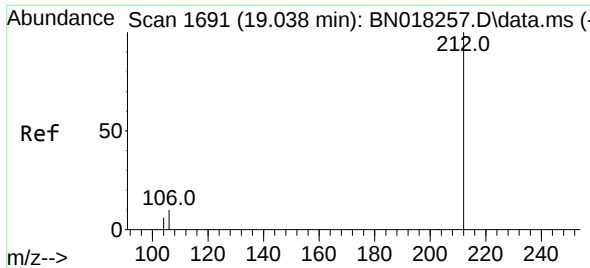
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ahmed
12/30/2021



#26
Anthracene
Concen: 0.090 ng
RT: 17.139 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

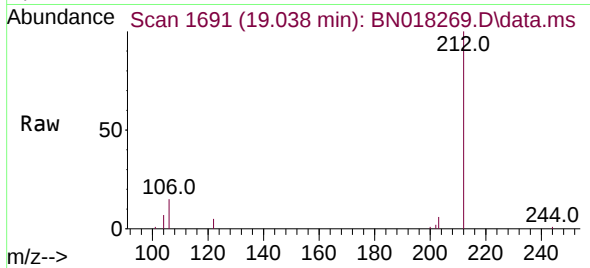
Tgt Ion:178 Resp: 15413
Ion Ratio Lower Upper
178 100
176 19.5 14.8 22.2
179 0.0 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.245 ng
RT: 19.038 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Instrument :
BNA_N
ClientSampleId :
OB-CS-01

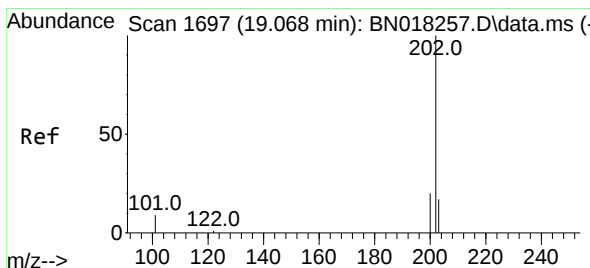
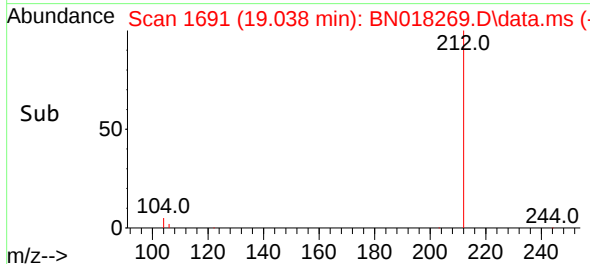
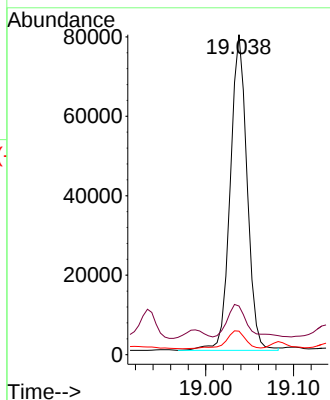


Tgt Ion:212 Resp: 10546
Ion Ratio Lower Upper
212 100
106 12.0 8.4 12.6
104 6.7 4.5 6.7

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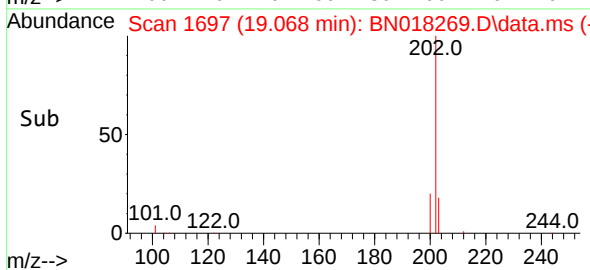
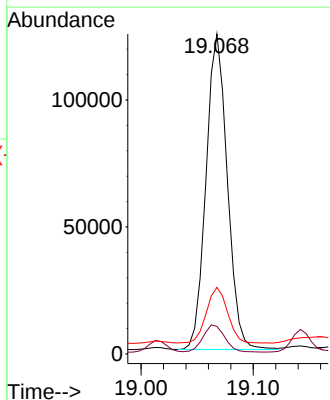
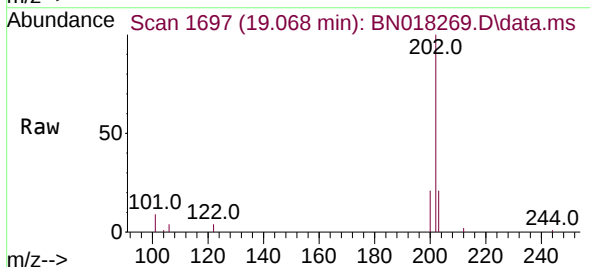
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

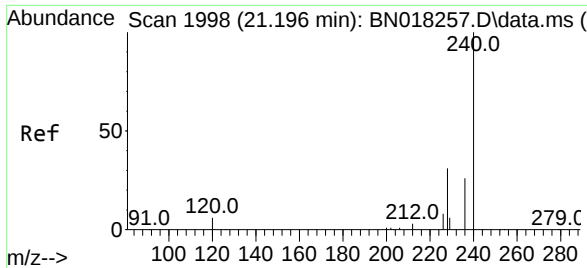
Supervised By :mohammad
ahmed
12/30/2021



#28
Fluoranthene
Concen: 0.393 ng
RT: 19.068 min Scan# 1697
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

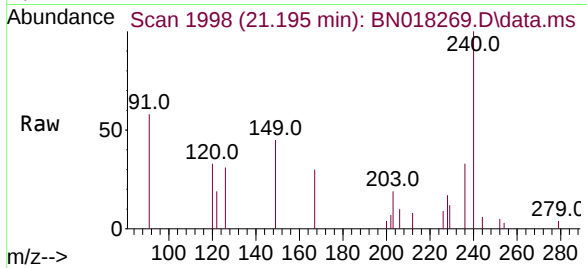
Tgt Ion:202 Resp: 164000
Ion Ratio Lower Upper
202 100
101 8.7 7.2 10.8
203 17.5 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.195 min Scan# 1998
Delta R.T. -0.001 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Instrument :
BNA_N
ClientSampleId :
OB-CS-01

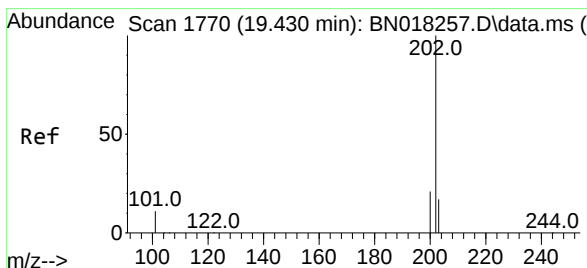
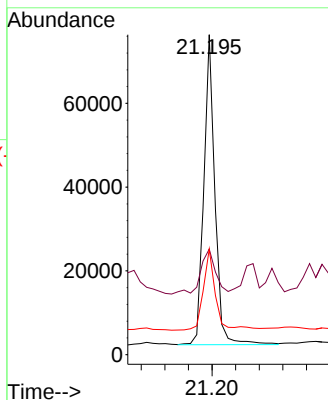
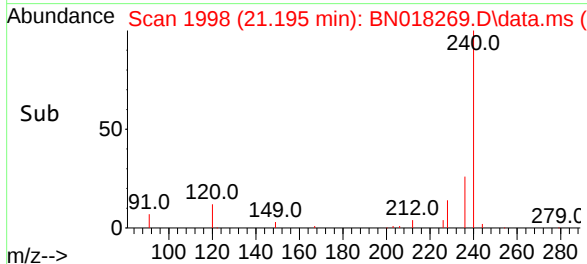


Tgt Ion:240 Resp: 9705
Ion Ratio Lower Upper
240 100
120 33.0 6.0 9.0
236 33.0 21.4 32.2

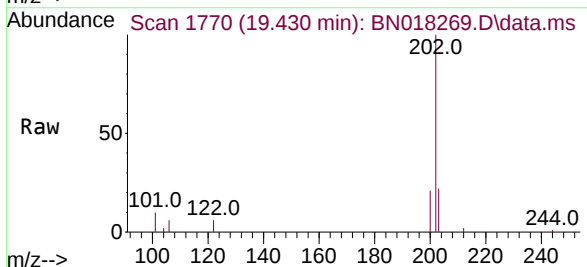
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Supervised By :mohammad ahmed 12/30/2021

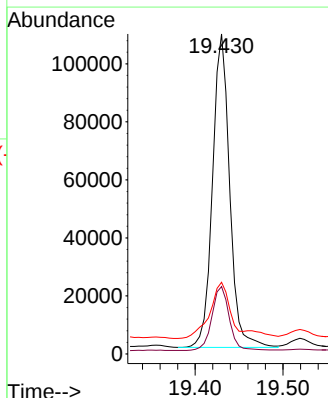
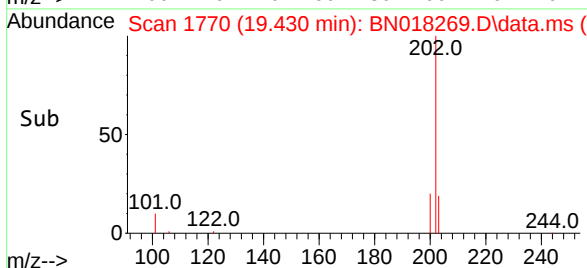
Supervised By :mohammad
ahmed
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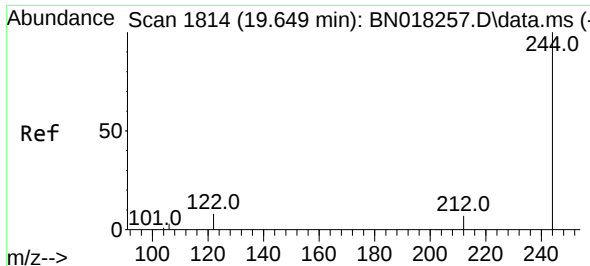


#30
Pyrene
Concen: 0.385 ng
RT: 19.430 min Scan# 1770
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01



Tgt Ion:202 Resp: 146430
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 21.0 14.1 21.1





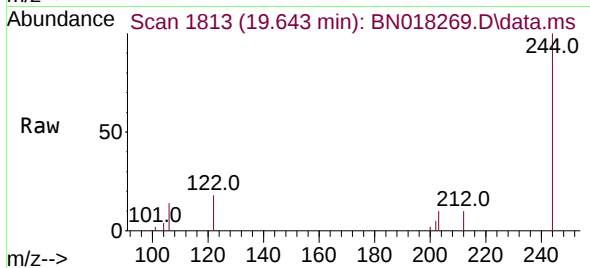
#31
 Terphenyl-d14
 Concen: 0.338 ng
 RT: 19.643 min Scan# 1814
 Delta R.T. -0.005 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

Instrument :

BNA_N

ClientSampleId :

OB-CS-01



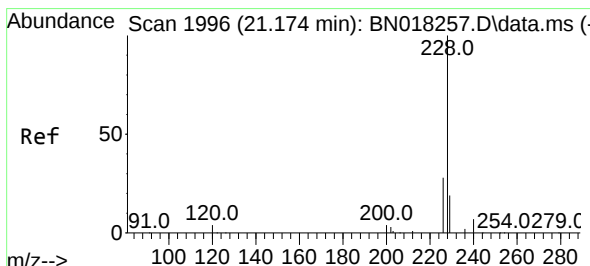
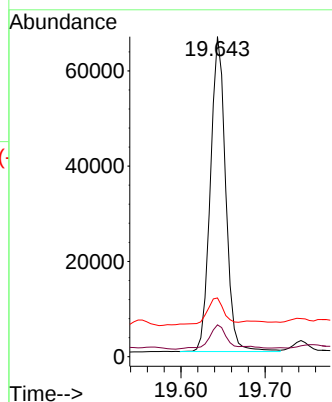
Tgt Ion:244 Resp: 83229
 Ion Ratio Lower Upper
 244 100
 212 10.0 6.2 9.2#
 122 18.3 7.9 11.9#

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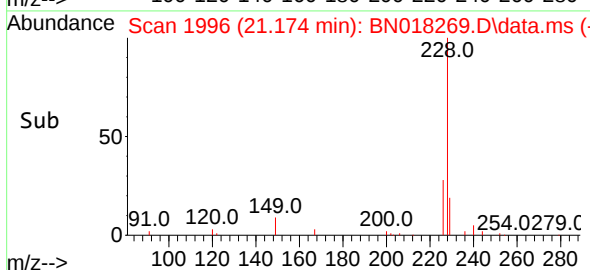
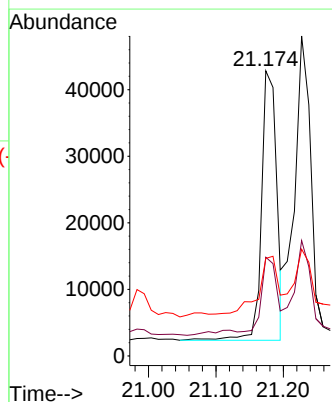
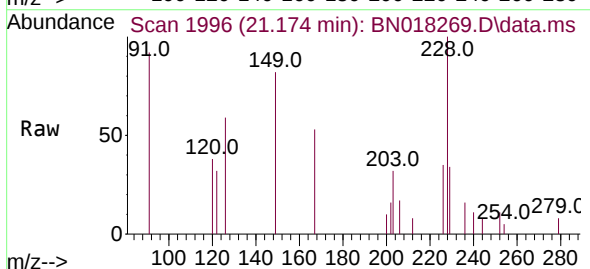
Reviewed By :Jagrut Upadhyay 12/30/2021
 Supervised By :mohammad ahmed 12/30/2021

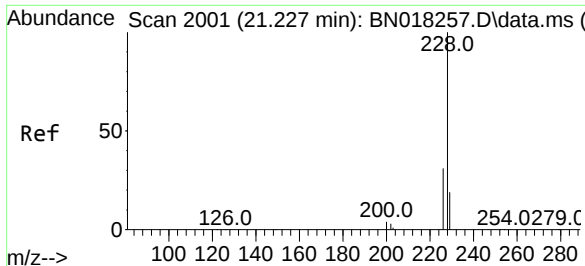
Supervised By :mohammad
 ahmed
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#32
 Benzo(a)anthracene
 Concen: 0.260 ng
 RT: 21.174 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

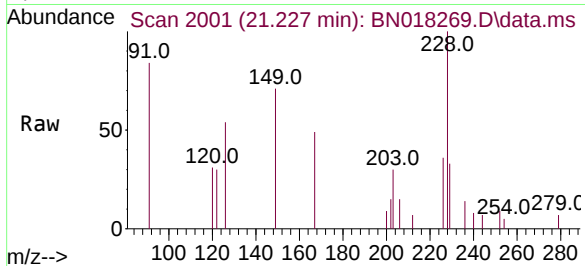
Tgt Ion:228 Resp: 63930
 Ion Ratio Lower Upper
 228 100
 226 34.6 21.3 31.9#
 229 34.3 15.9 23.9#





#33
Chrysene
Concen: 0.270 ng m
RT: 21.227 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Instrument :
BNA_N
ClientSampleId :
OB-CS-01

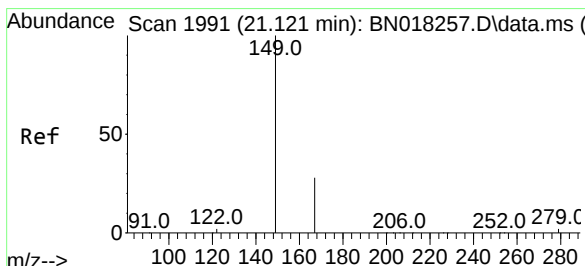
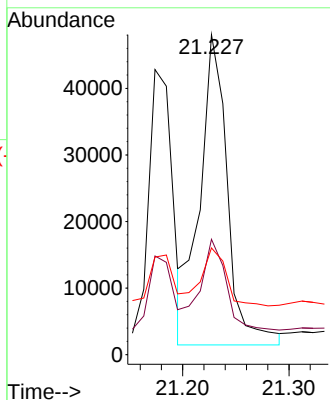
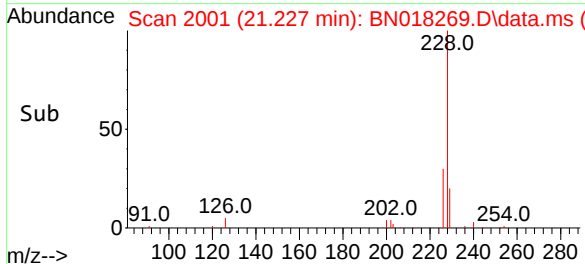


Tgt Ion:228 Resp: 84350
Ion Ratio Lower Upper
228 100
226 36.0 24.2 36.4
229 33.4 15.5 23.3

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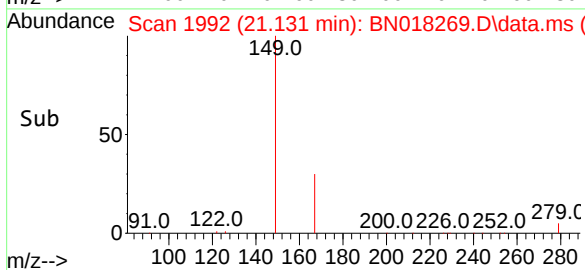
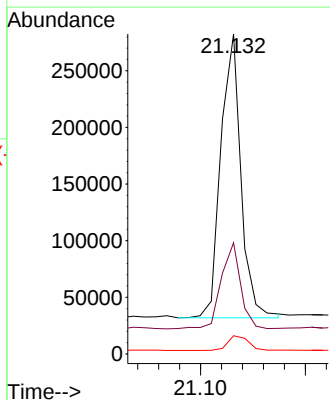
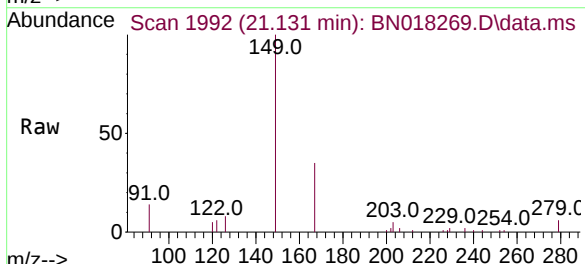
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

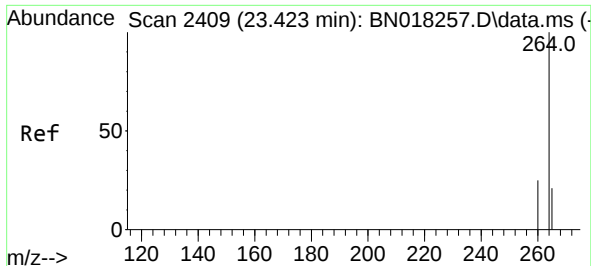
Supervised By :mohammad
ahmed
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#34
Bis(2-ethylhexyl)phthalate
Concen: 2.750 ng
RT: 21.131 min Scan# 1992
Delta R.T. 0.010 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

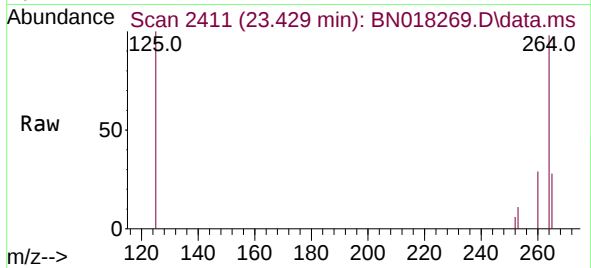
Tgt Ion:149 Resp: 333130
Ion Ratio Lower Upper
149 100
167 29.4 23.7 35.5
279 5.4 3.6 5.4





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.429 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Instrument :
BNA_N
ClientSampleId :
OB-CS-01

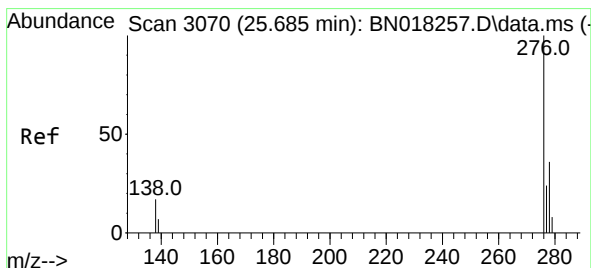
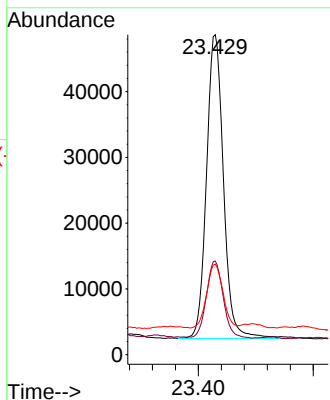
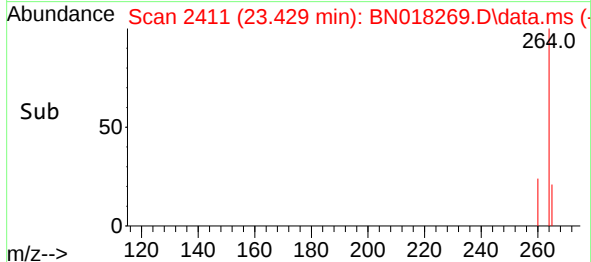


Tgt Ion:264 Resp: 9474
Ion Ratio Lower Upper
264 100
260 29.2 20.2 30.4
265 28.3 18.2 27.2

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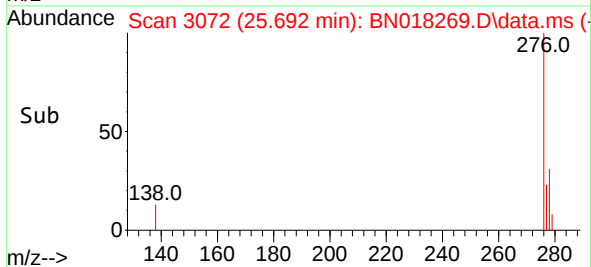
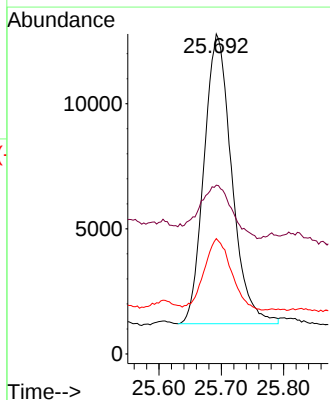
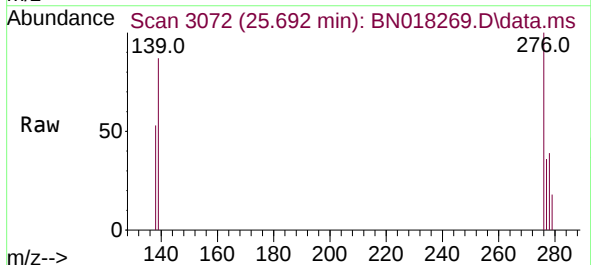
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

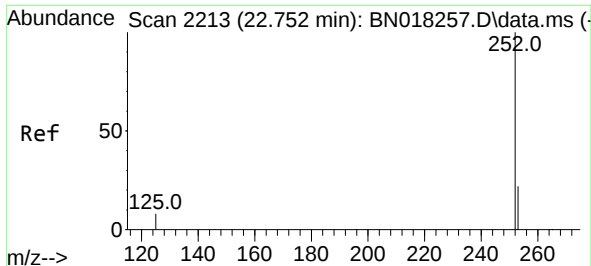
Supervised By :mohammad
ahmed
12/30/2021



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.158 ng
RT: 25.692 min Scan# 3072
Delta R.T. 0.007 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Tgt Ion:276 Resp: 35764
Ion Ratio Lower Upper
276 100
138 21.5 14.9 22.3
277 24.2 19.9 29.9





#37

Benzo(b)fluoranthene

Concen: 0.259 ng

RT: 22.758 min Scan# 2215

Delta R.T. 0.006 min

Lab File: BN018269.D

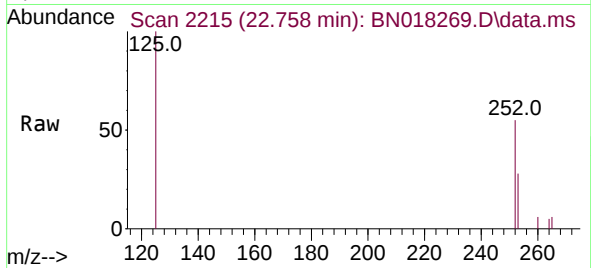
Acq: 29 Dec 2021 20:01

Instrument :

BNA_N

ClientSampleId :

OB-CS-01



Tgt Ion:252 Resp: 77852

Ion Ratio Lower Upper

252 100

253 50.8 17.8 26.6

125 180.9 6.0 9.0

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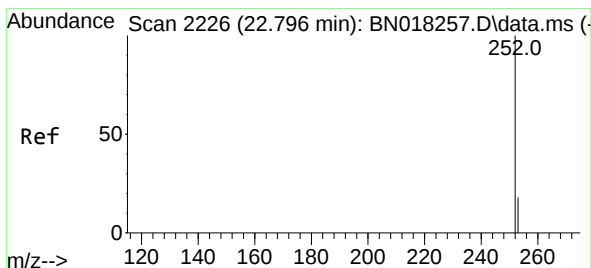
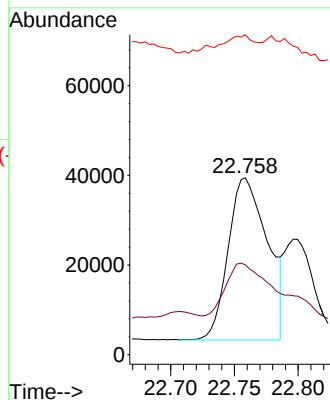
Reviewed By :Jagrut Upadhyay 12/30/2021

Supervised By :mohammad ahmed 12/30/2021

Supervised By :mohammad

ahmed

12/30/2021



#38

Benzo(k)fluoranthene

Concen: 0.142 ng m

RT: 22.796 min Scan# 2226

Delta R.T. -0.000 min

Lab File: BN018269.D

Acq: 29 Dec 2021 20:01

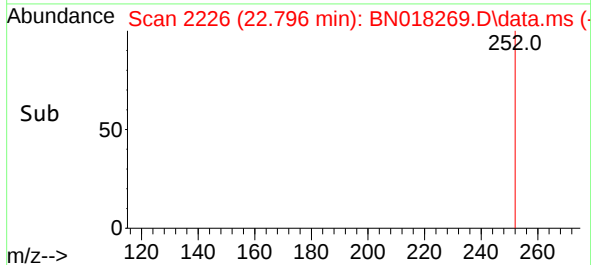
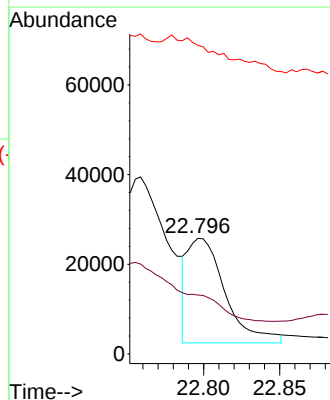
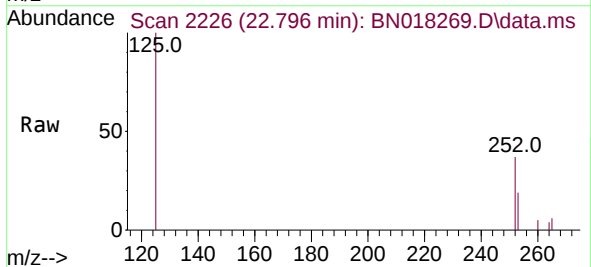
Tgt Ion:252 Resp: 40364

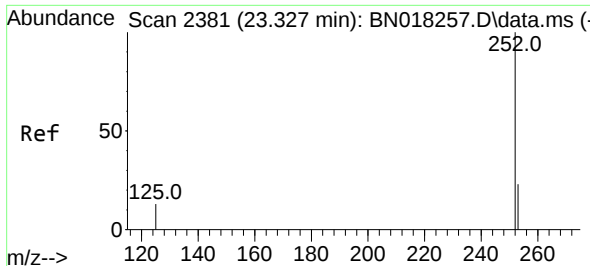
Ion Ratio Lower Upper

252 100

253 50.9 17.7 26.5

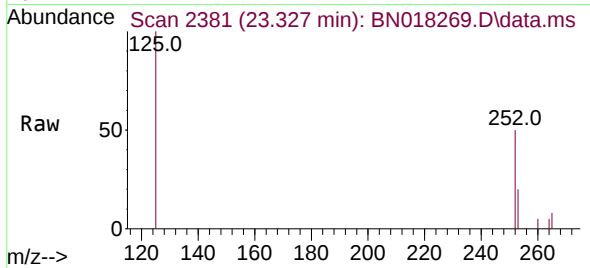
125 267.0 6.2 9.2





#39
Benzo(a)pyrene
Concen: 0.186 ng
RT: 23.327 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Instrument :
BNA_N
ClientSampleId :
OB-CS-01

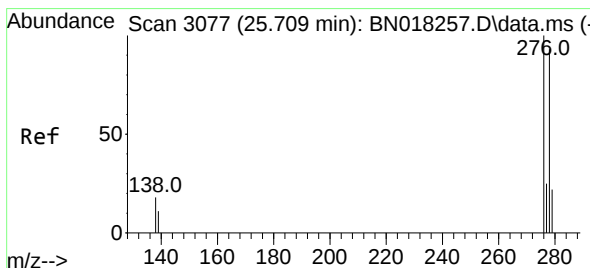
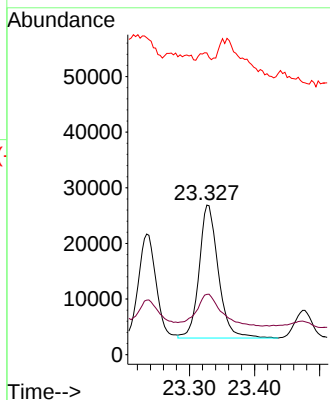


Tgt Ion:252 Resp: 48839
Ion Ratio Lower Upper
252 100
253 40.3 17.8 26.6#
125 201.7 7.0 10.4#

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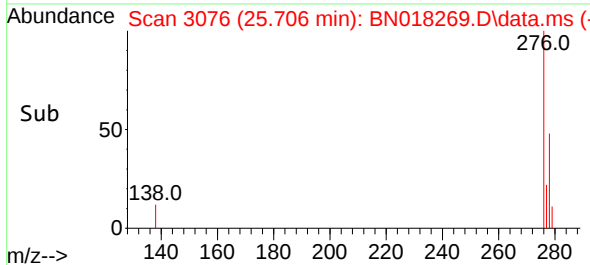
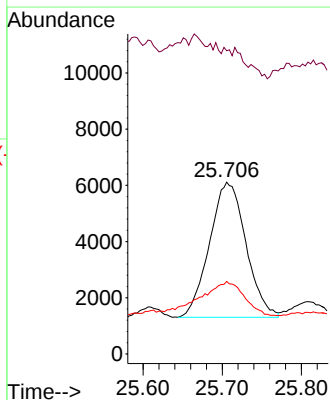
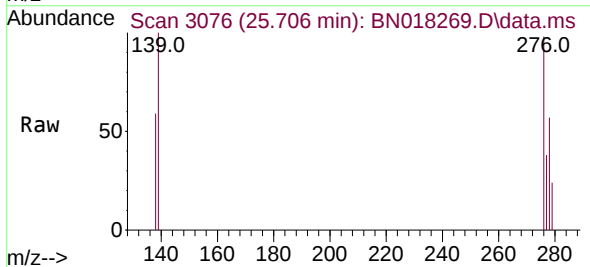
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/30/2021

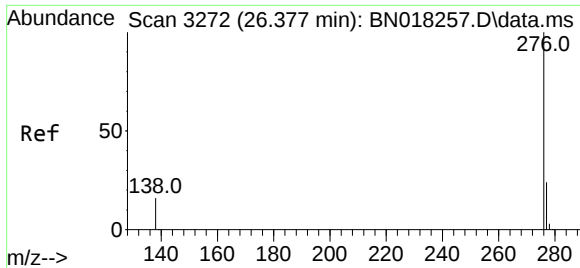
Supervised By :mohammad
ahmed
12/30/2021



#40
Dibenzo(a,h)anthracene
Concen: 0.095 ng
RT: 25.706 min Scan# 3076
Delta R.T. -0.004 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

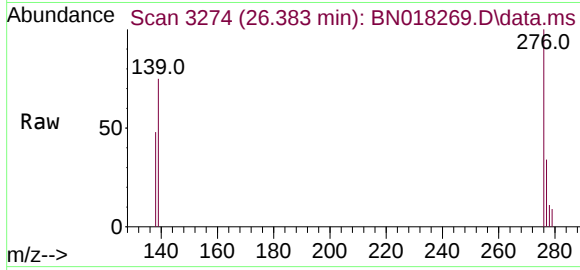
Tgt Ion:278 Resp: 15389
Ion Ratio Lower Upper
278 100
139 176.5 10.8 16.2#
279 42.1 19.0 28.4#





#41
Benzo(g,h,i)perylene
Concen: 0.168 ng
RT: 26.383 min Scan# 31
Delta R.T. 0.007 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Instrument :
BNA_N
ClientSampleId :
OB-CS-01



Tgt Ion:276 Resp: 37969
Ion Ratio Lower Upper
276 100
277 34.4 19.0 28.6
138 47.5 12.6 19.0

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

Supervised By :mohammad
ahmed
12/30/2021

