

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
 Data File : BN018195.D
 Acq On : 24 Dec 2021 01:01
 Operator : CG/JU
 Sample : M5107-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-04

Manual Integrations APPROVED

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

Quant Time: Dec 24 23:33:29 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 23 14:22:48 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.624	152	25564	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	109688	0.400	ng	# 0.00
13) Acenaphthene-d10	14.256	164	73793	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	142446	0.400	ng	0.00
29) Chrysene-d12	21.227	240	63403	0.400	ng	# 0.03
35) Perylene-d12	23.502	264	64748	0.400	ng	# 0.08
System Monitoring Compounds						
4) 2-Fluorophenol	5.263	112	66	0.001	ng	0.04
5) Phenol-d6	6.822	99	368	0.006	ng	0.00
8) Nitrobenzene-d5	8.772	82	18148m	0.246	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	36248	0.192	ng	0.00
14) 2,4,6-Tribromophenol	15.779	330	151	0.183	ng	0.03
15) 2-Fluorobiphenyl	12.873	172	55329	0.201	ng	-0.01
27) Fluoranthene-d10	19.038	212	55075	0.122	ng	0.00
31) Terphenyl-d14	19.654	244	38208	0.274	ng	0.00
Target Compounds						
9) Naphthalene	10.445	128	17759	0.066	ng	96
12) 2-Methylnaphthalene	12.065	142	10868	0.061	ng	96
16) Acenaphthylene	13.964	152	5860	0.021	ng	# 84
24) Pentachlorophenol	16.665	266	785	0.310	ng	# 81
25) Phenanthrene	17.030	178	89192m	0.236	ng	
26) Anthracene	17.127	178	8692	0.028	ng	# 54
28) Fluoranthene	19.068	202	83509	0.189	ng	# 90
30) Pyrene	19.430	202	71417m	0.351	ng	
32) Benzo(a)anthracene	21.206	228	16619	0.090	ng	# 1
33) Chrysene	21.259	228	24601	0.122	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.164	149	2458395	24.147	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.764	276	12782	0.068	ng	# 75
37) Benzo(b)fluoranthene	22.827	252	40153m	0.200	ng	
38) Benzo(k)fluoranthene	22.861	252	12086m	0.060	ng	
40) Dibenzo(a,h)anthracene	25.771	278	4579	0.058	ng	# 1
41) Benzo(g,h,i)perylene	26.452	276	17719	0.103	ng	# 1

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

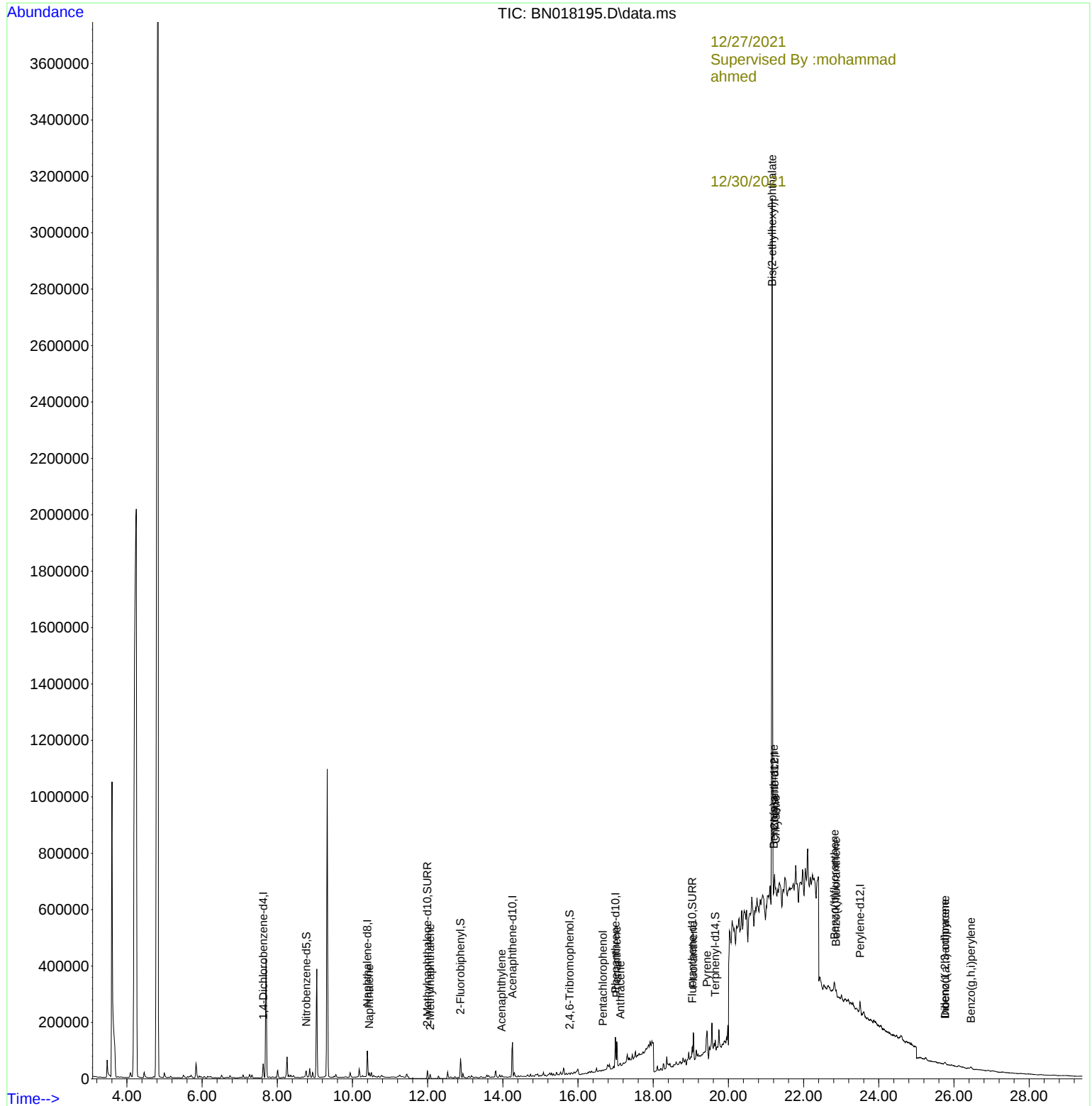
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
Data File : BN018195.D
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Operator : CG/JU
Sample : M5107-04
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ALS Vial : 24 Sample Multiplier: 1

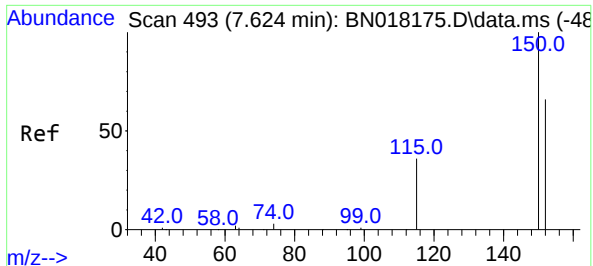
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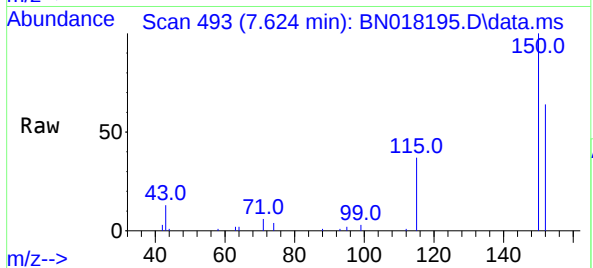
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 23 14:22:48 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.624 min Scan# 493
Delta R.T. -0.000 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

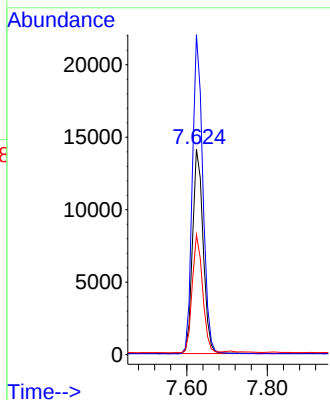
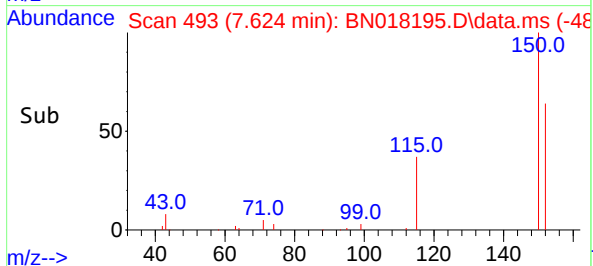
Instrument :
BNA_N
ClientSampleId :
OB-CS-04



Tgt Ion:152 Resp: 25564
Ion Ratio Lower Upper
152 100
150 155.6 121.7 182.5
115 58.3 43.8 65.8

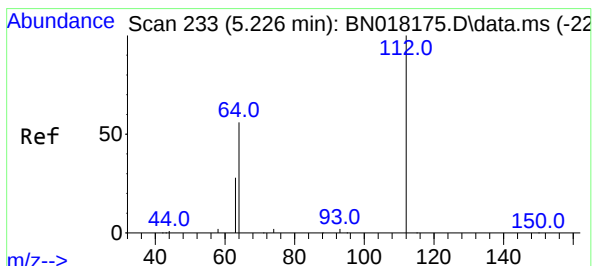
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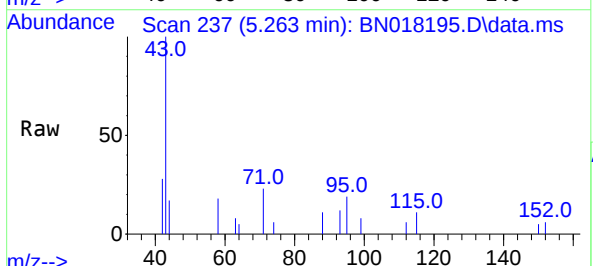


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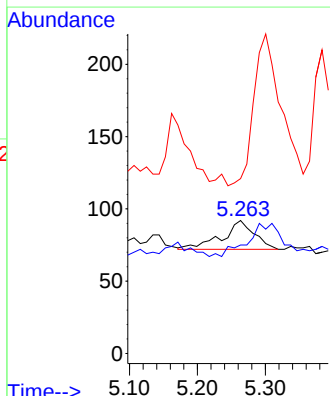
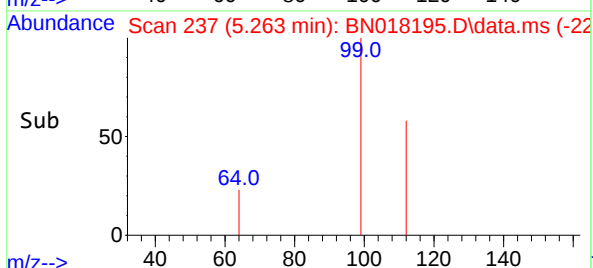
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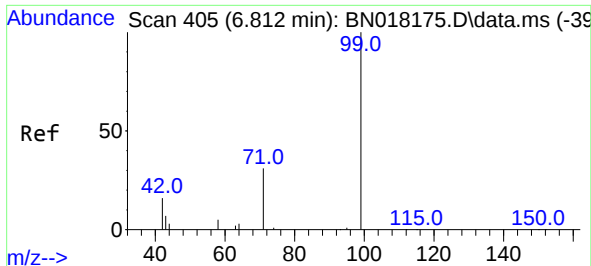


#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.263 min Scan# 237
Delta R.T. 0.037 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01



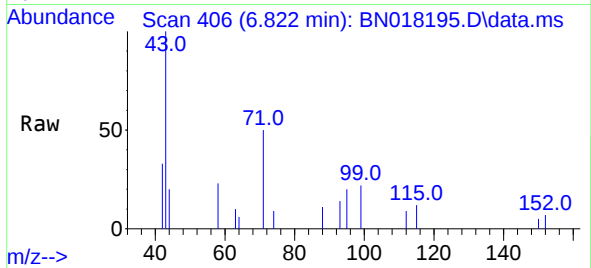
Tgt Ion:112 Resp: 66
Ion Ratio Lower Upper
112 100
64 0.0 48.0 72.0#
63 0.0 25.3 37.9#





#5
Phenol-d6
Concen: 0.006 ng
RT: 6.822 min Scan# 405
Delta R.T. 0.010 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

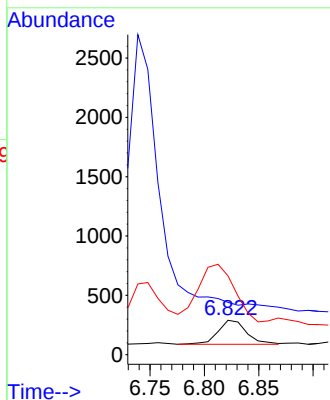
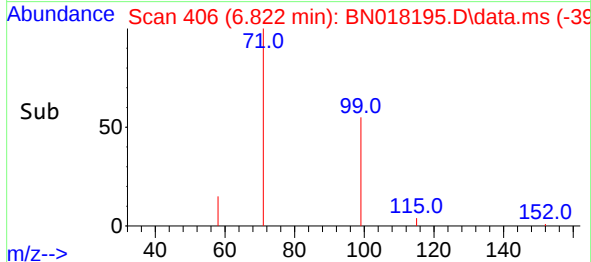
Instrument :
BNA_N
ClientSampleId :
OB-CS-04



Tgt Ion: 99 Resp: 368
Ion Ratio Lower Upper
99 100
42 0.0 16.3 24.5
71 293.2 26.8 40.2

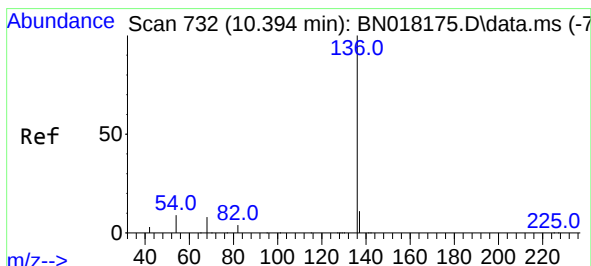
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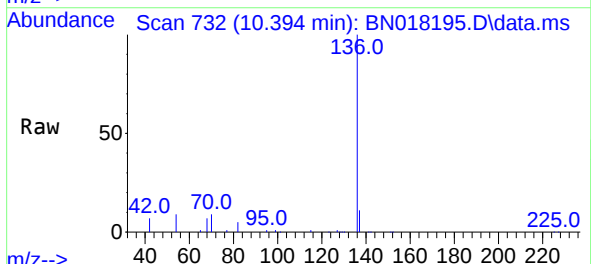


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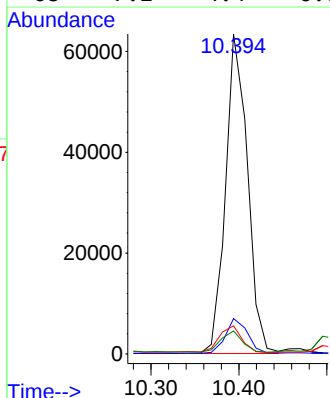
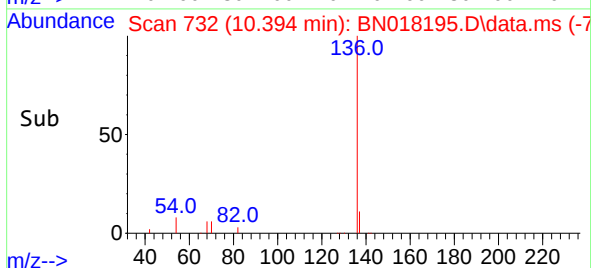
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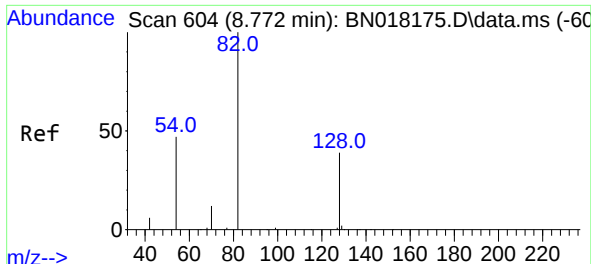


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.000 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01



Tgt Ion:136 Resp: 109688
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.8 5.0 7.6#
68 7.2 4.4 6.6#





#8
Nitrobenzene-d5
Concen: 0.246 ng m
RT: 8.772 min Scan# 604
Delta R.T. -0.000 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

Instrument :

BNA_N

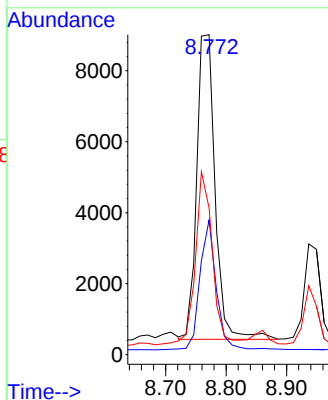
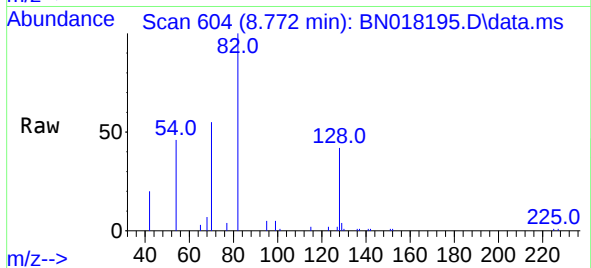
ClientSampleId :

OB-CS-04

Tgt Ion: 82 Resp: 1814
Ion Ratio Lower Upper
82 100
128 42.1 33.7 50.5
54 45.9 36.6 55.0

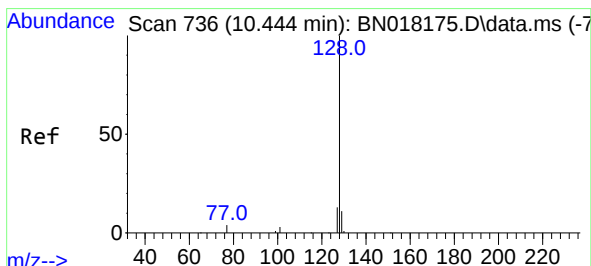
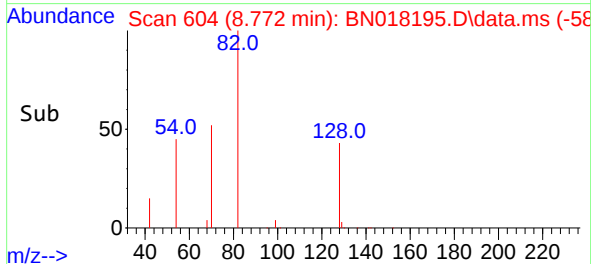
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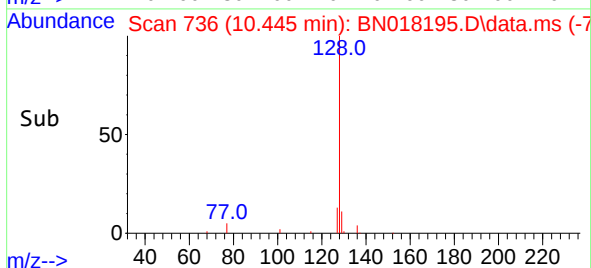
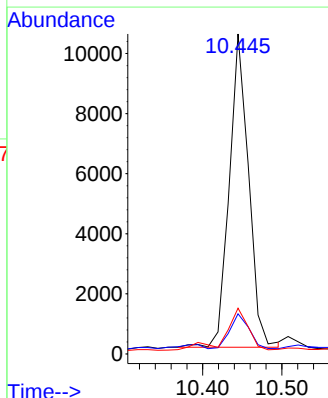
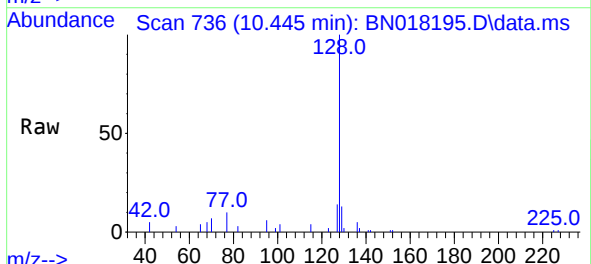
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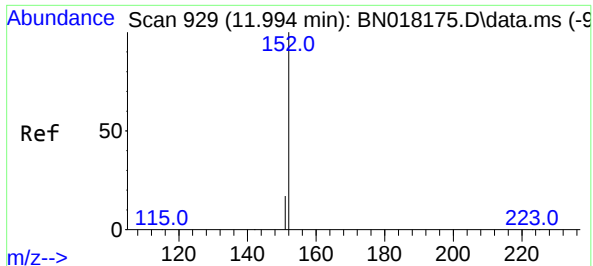
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#9
Naphthalene
Concen: 0.066 ng
RT: 10.445 min Scan# 736
Delta R.T. 0.001 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

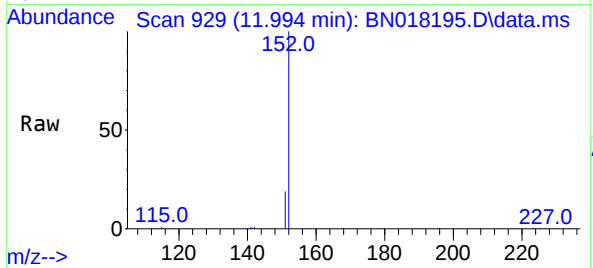
Tgt Ion:128 Resp: 17759
Ion Ratio Lower Upper
128 100
129 12.6 8.7 13.1
127 14.3 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.192 ng
RT: 11.994 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

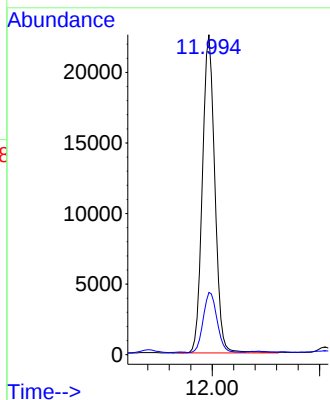
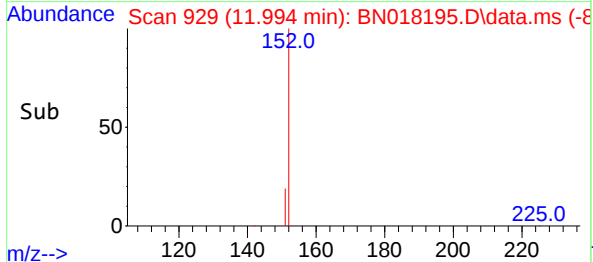
Instrument :
BNA_N
ClientSampleId :
OB-CS-04



Tgt Ion:152 Resp: 36248
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.2

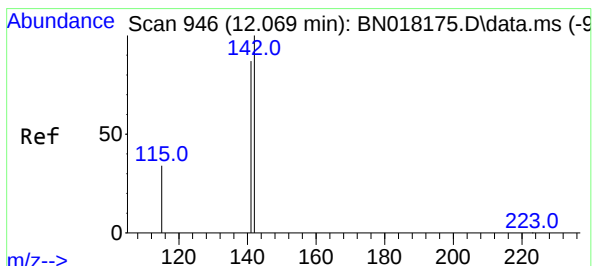
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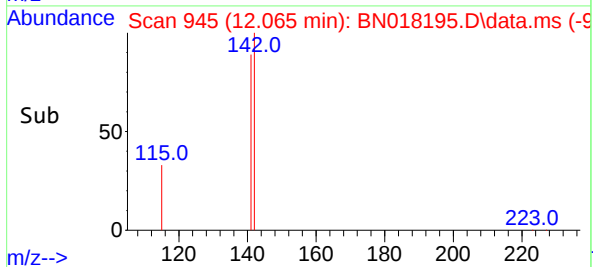
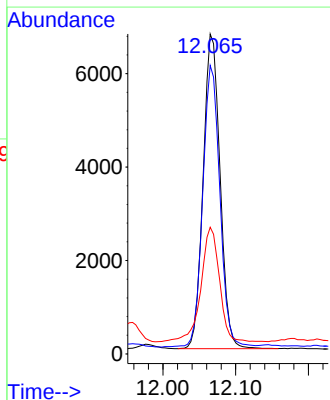
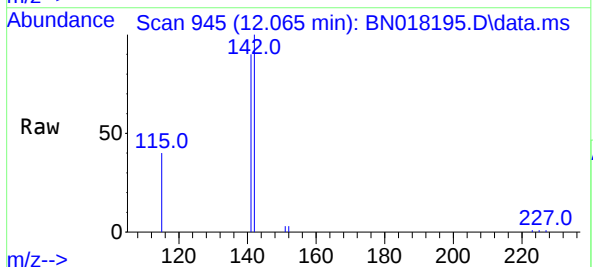
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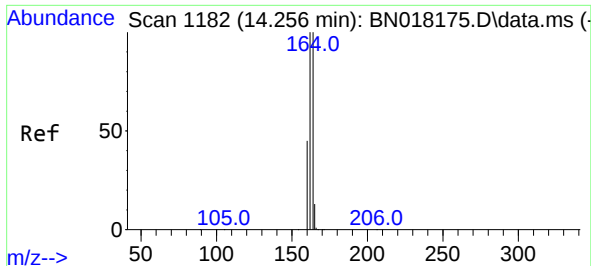
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#12
2-Methylnaphthalene
Concen: 0.061 ng
RT: 12.065 min Scan# 945
Delta R.T. -0.004 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

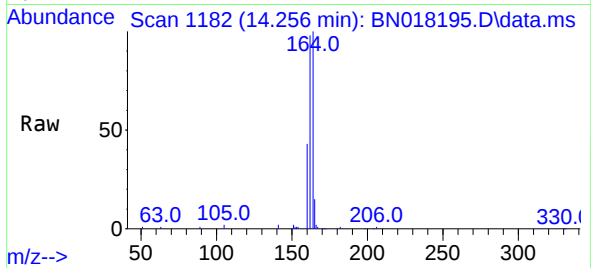
Tgt Ion:142 Resp: 10868
Ion Ratio Lower Upper
142 100
141 90.1 70.0 105.0
115 39.6 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

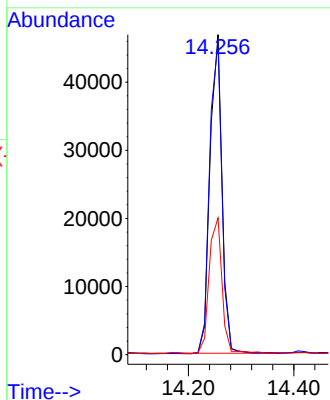
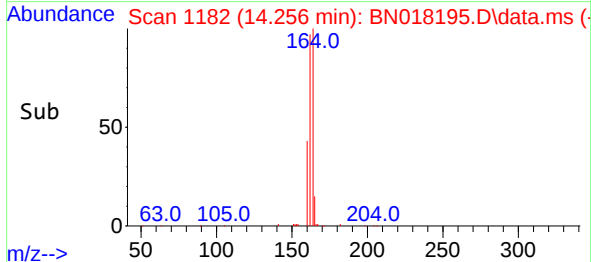
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:164 Resp: 7379
Ion Ratio Lower Upper
164 100
162 97.6 80.2 120.2
160 42.7 36.9 55.3

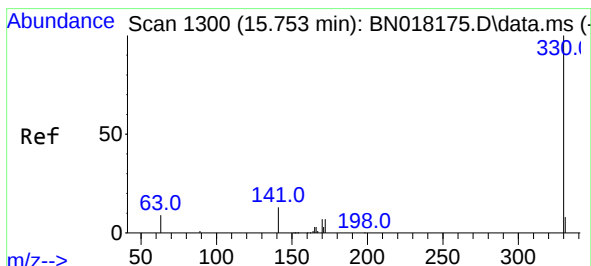
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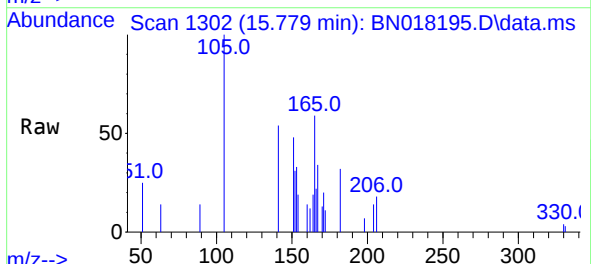


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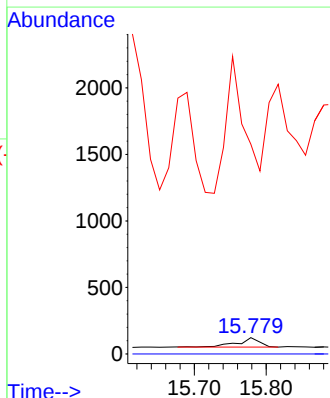
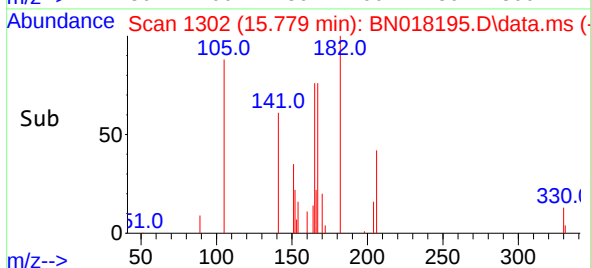
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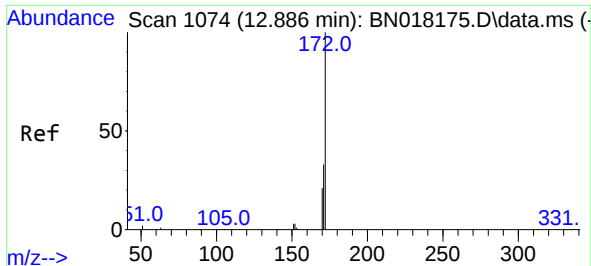


#14
2,4,6-Tribromophenol
Concen: 0.183 ng
RT: 15.779 min Scan# 1302
Delta R.T. 0.026 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01



Tgt Ion:330 Resp: 151
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 21.3 31.9#





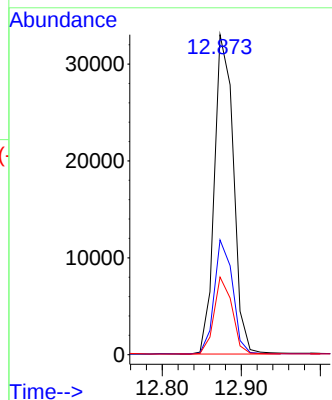
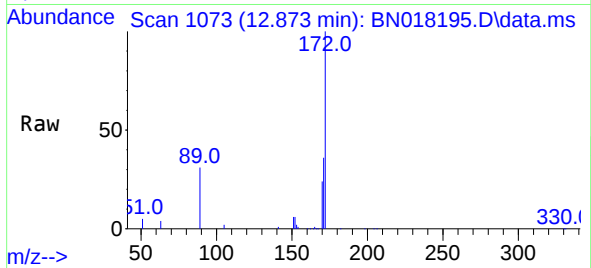
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2-Fluorobiphenyl
Concen: 0.201 ng
RT: 12.873 min Scan# 1109
Delta R.T. -0.013 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

Instrument :
BNA_N
ClientSampleId :
OB-CS-04

Tgt Ion:172 Resp: 55329
Ion Ratio Lower Upper
172 100
171 35.9 27.4 41.0
170 24.2 18.4 27.6

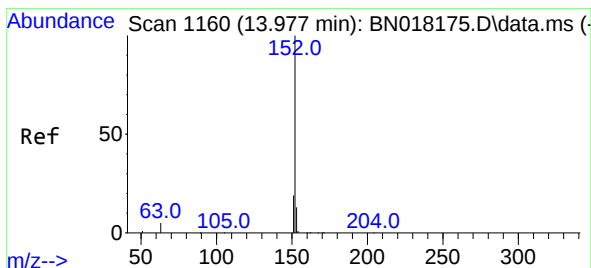
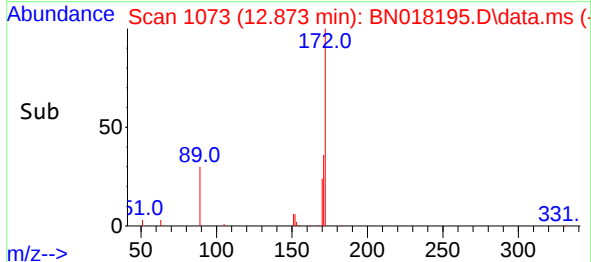
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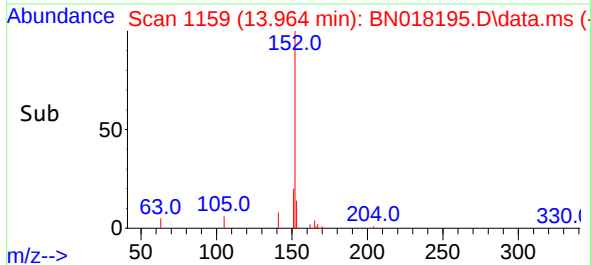
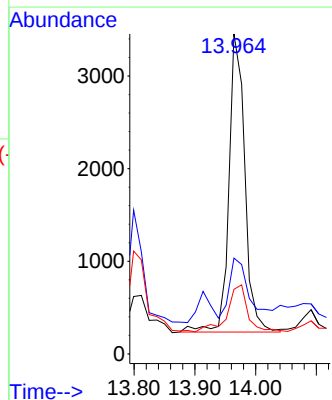
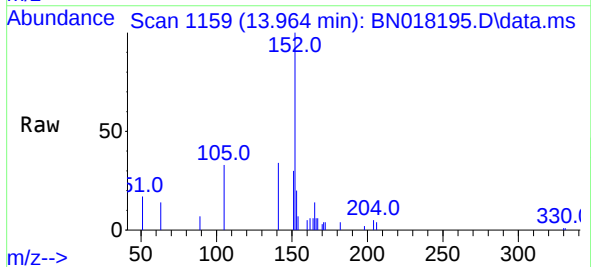
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ahmed

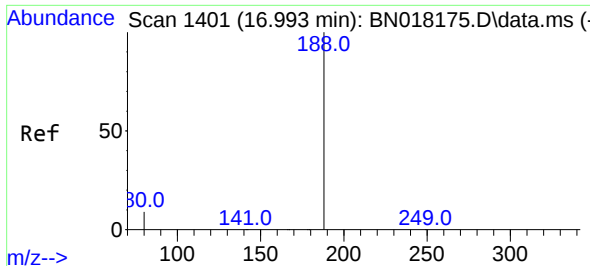
12/30/2021



#16
Acenaphthylene
Concen: 0.021 ng
RT: 13.964 min Scan# 1159
Delta R.T. -0.013 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

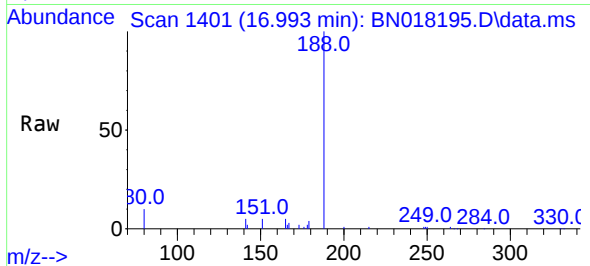
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Ion Ratio Lower Upper
152 100
151 26.8 15.8 23.6#
153 19.4 10.5 15.7#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

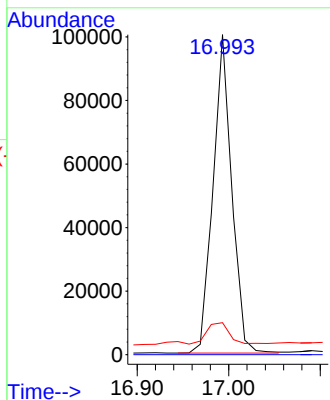
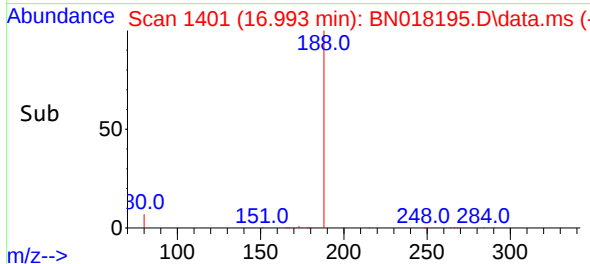
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:188 Resp: 142440
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.0 7.0 10.4

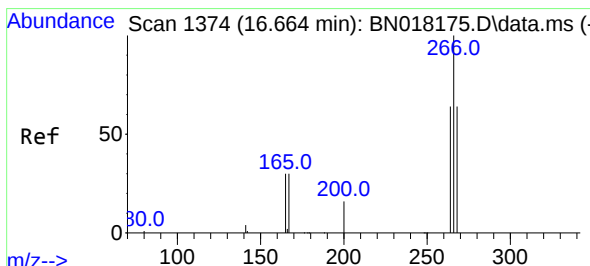
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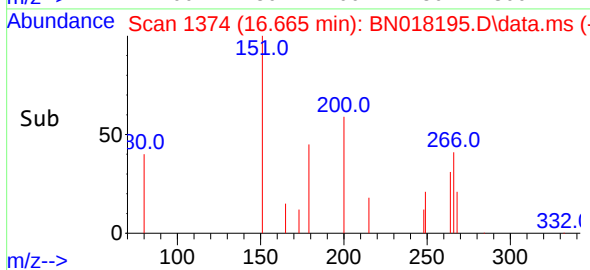
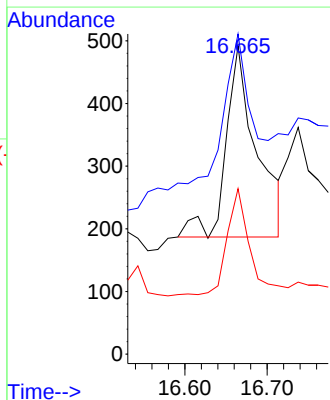
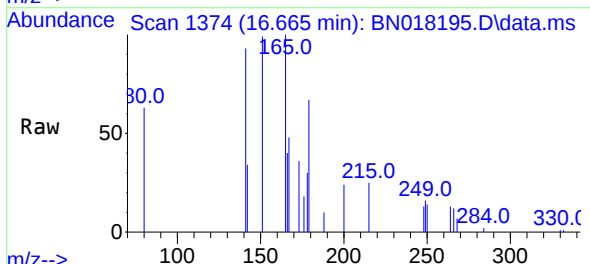
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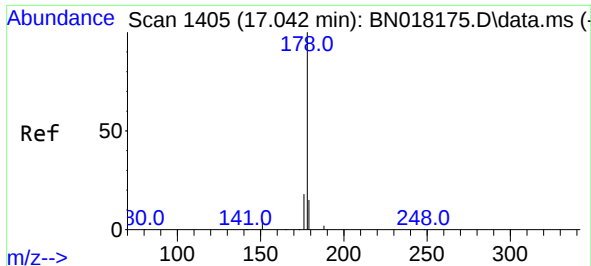
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#24
Pentachlorophenol
Concen: 0.310 ng
RT: 16.665 min Scan# 1374
Delta R.T. 0.001 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

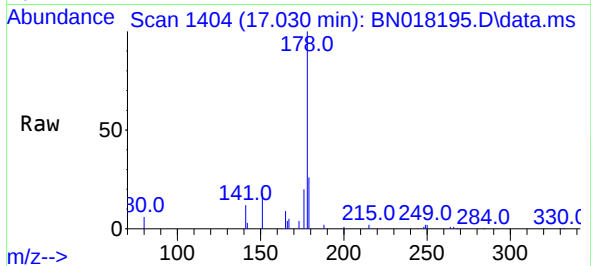
Tgt Ion:266 Resp: 785
Ion Ratio Lower Upper
266 100
264 68.9 49.5 74.3
268 41.0 50.6 76.0#





#25
Phenanthrene
Concen: 0.236 ng m
RT: 17.030 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

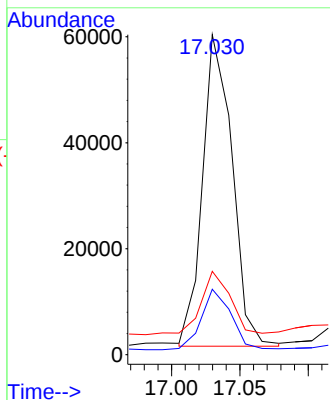
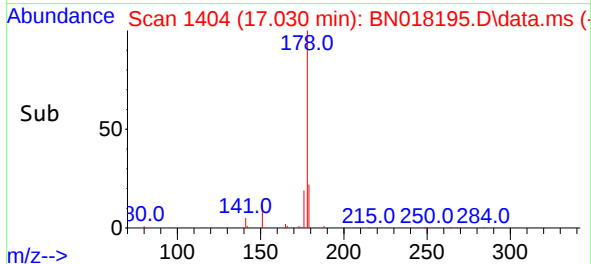
Instrument :
BNA_N
ClientSampleId :
OB-CS-04



Tgt Ion:178 Resp: 8919
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 20.3 12.3 18.5

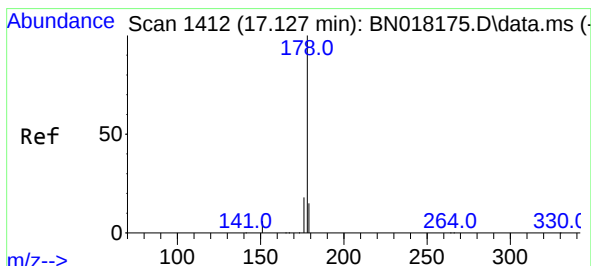
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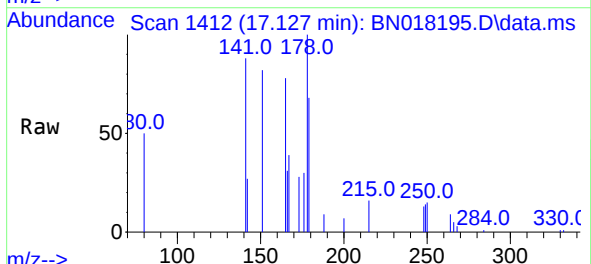


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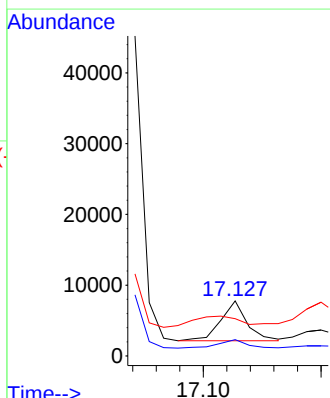
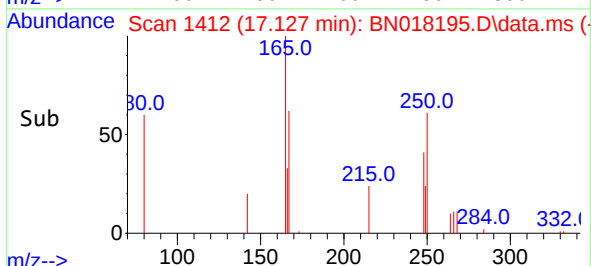
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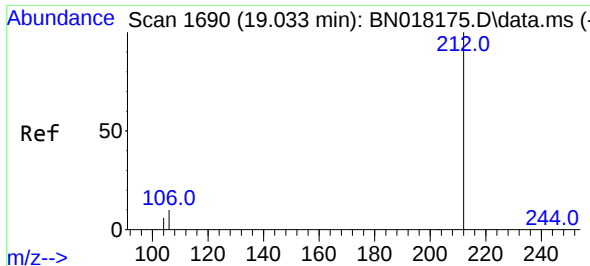


#26
Anthracene
Concen: 0.028 ng
RT: 17.127 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01



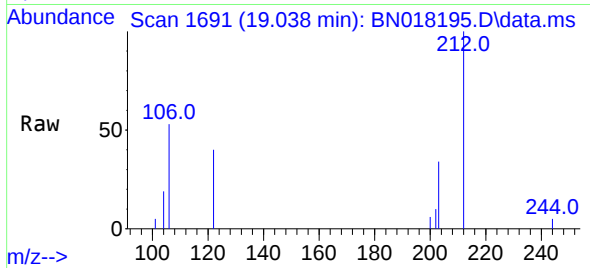
Tgt Ion:178 Resp: 8692
Ion Ratio Lower Upper
178 100
176 22.4 14.8 22.2#
179 53.8 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.122 ng
RT: 19.038 min Scan# 1690
Delta R.T. 0.005 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

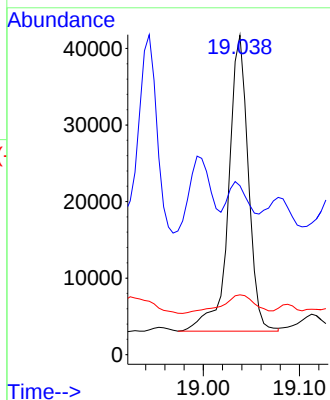
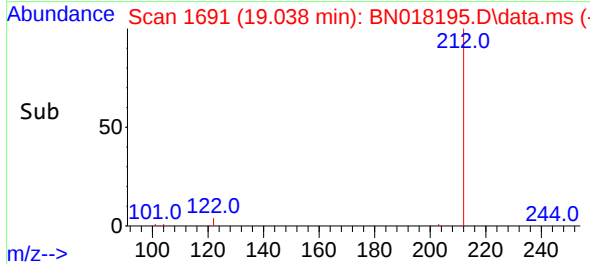
Instrument :
BNA_N
ClientSampleId :
OB-CS-04



Tgt Ion:212 Resp: 55079
Ion Ratio Lower Upper
212 100
106 15.5 8.4 12.6
104 10.4 4.5 6.7

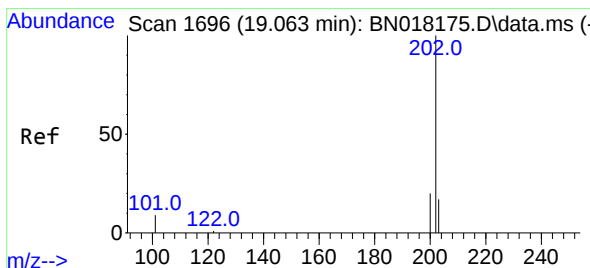
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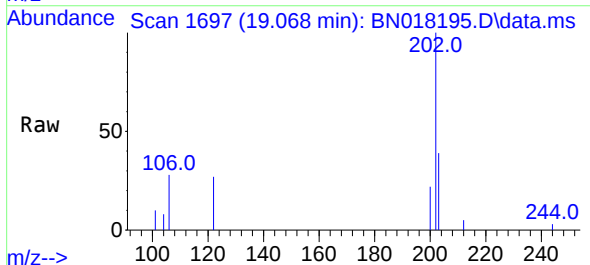


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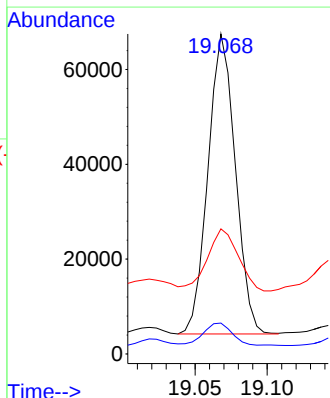
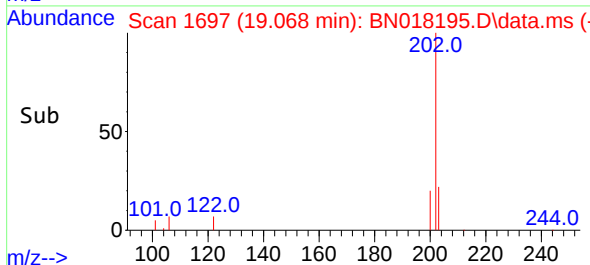
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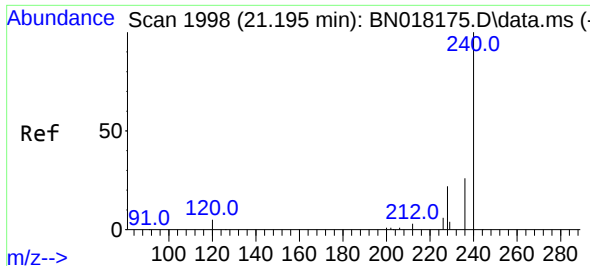


#28
Fluoranthene
Concen: 0.189 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.005 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01



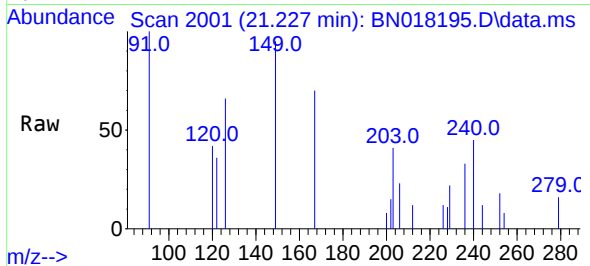
Tgt Ion:202 Resp: 83509
Ion Ratio Lower Upper
202 100
101 8.2 7.2 10.8
203 22.9 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.227 min Scan# 2001
Delta R.T. 0.032 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

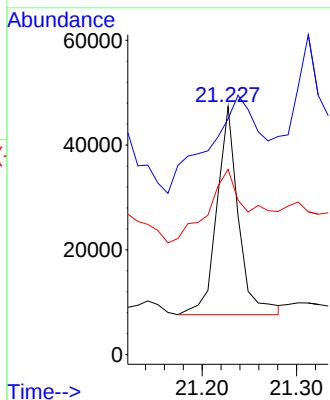
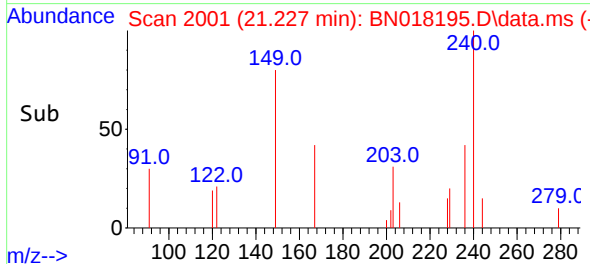
Instrument :
BNA_N
ClientSampleId :
OB-CS-04



Tgt Ion:240 Resp: 6340
Ion Ratio Lower Upper
240 100
120 95.0 6.0 9.0#
236 74.7 21.4 32.2#

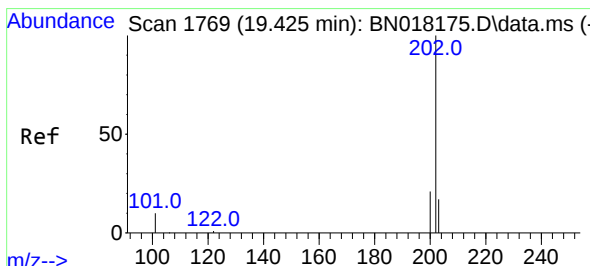
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Supervised By :mohammad ahmed 12/30/2021



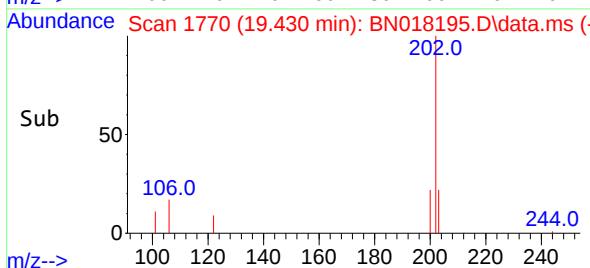
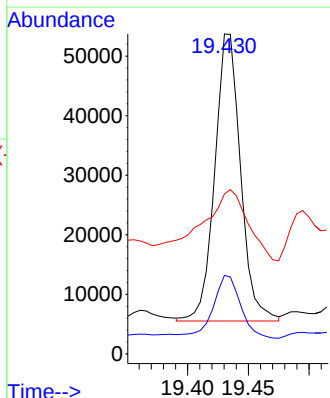
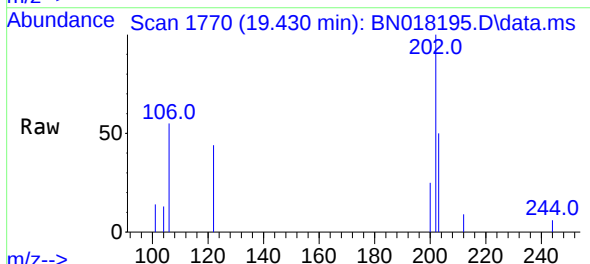
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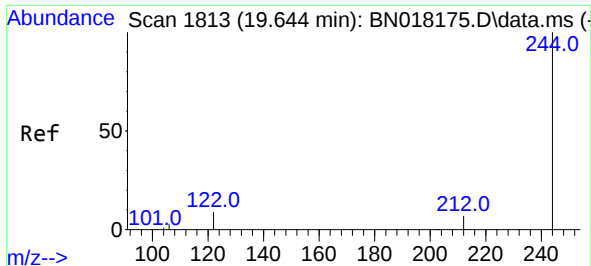
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#30
Pyrene
Concen: 0.351 ng m
RT: 19.430 min Scan# 1770
Delta R.T. 0.005 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

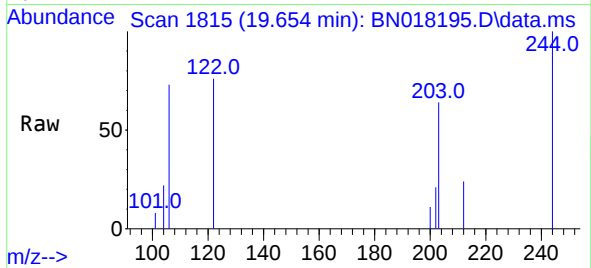
Tgt Ion:202 Resp: 71417
Ion Ratio Lower Upper
202 100
200 1.7 16.6 25.0#
203 1.6 14.1 21.1#





#31
Terphenyl-d14
Concen: 0.274 ng
RT: 19.654 min Scan# 1815
Delta R.T. 0.010 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

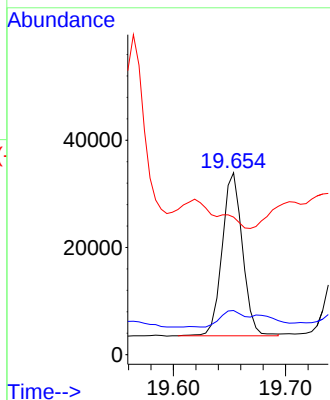
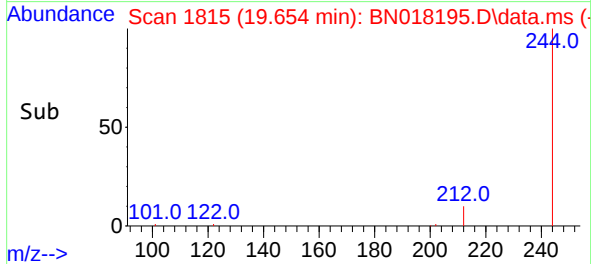
Instrument :
BNA_N
ClientSampleId :
OB-CS-04



Tgt Ion:244 Resp: 38208
Ion Ratio Lower Upper
244 100
212 24.2 6.2 9.2#
122 75.6 7.9 11.9#

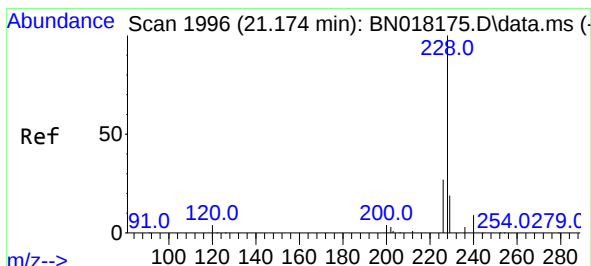
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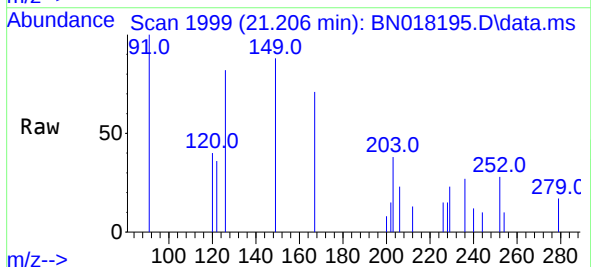


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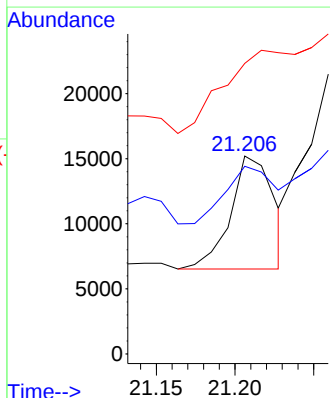
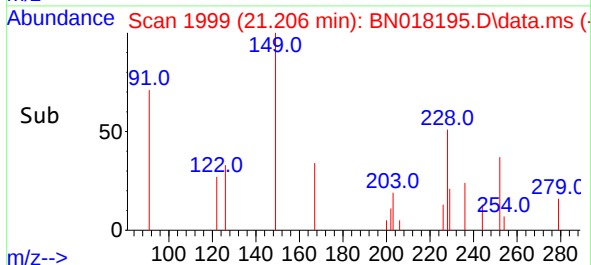
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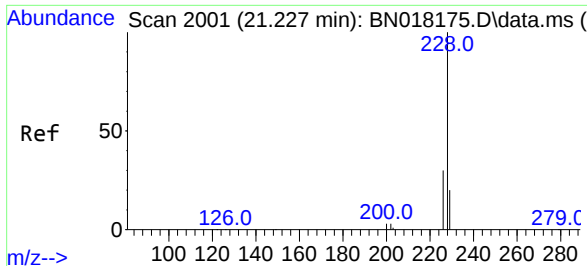


#32
Benzo(a)anthracene
Concen: 0.090 ng
RT: 21.206 min Scan# 1999
Delta R.T. 0.032 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01



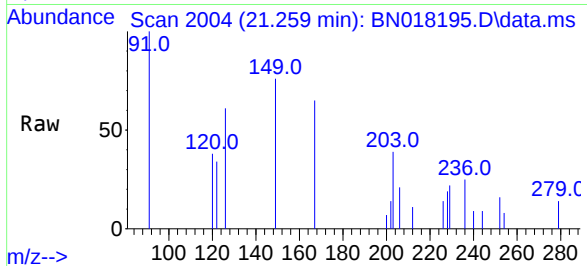
Tgt Ion:228 Resp: 16619
Ion Ratio Lower Upper
228 100
226 94.8 21.3 31.9#
229 146.8 15.9 23.9#





#33
Chrysene
Concen: 0.122 ng
RT: 21.259 min Scan# 2001
Delta R.T. 0.032 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

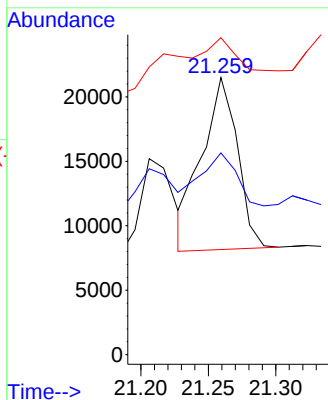
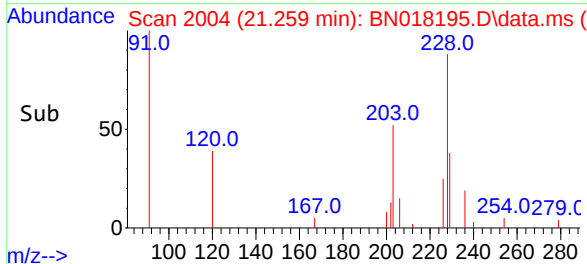
Instrument :
BNA_N
ClientSampleId :
OB-CS-04



Tgt Ion:228 Resp: 2460
Ion Ratio Lower Upper
228 100
226 72.8 24.2 36.4
229 114.4 15.5 23.3

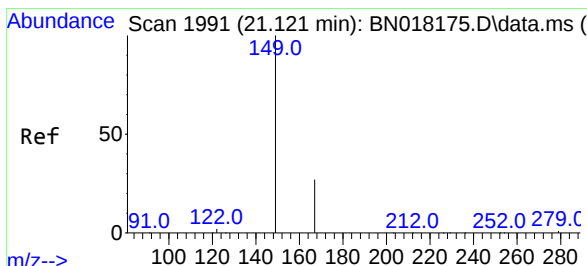
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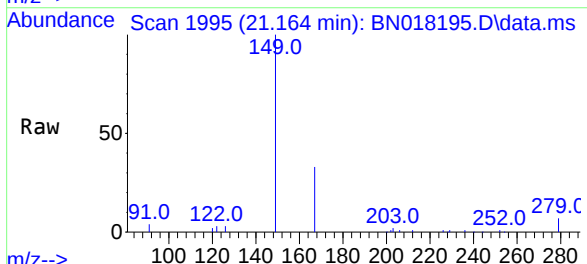


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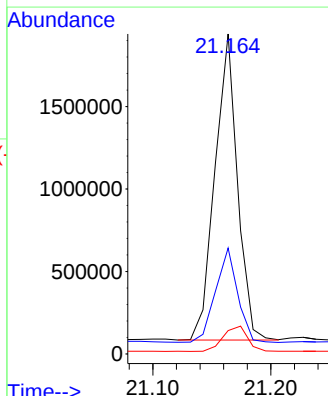
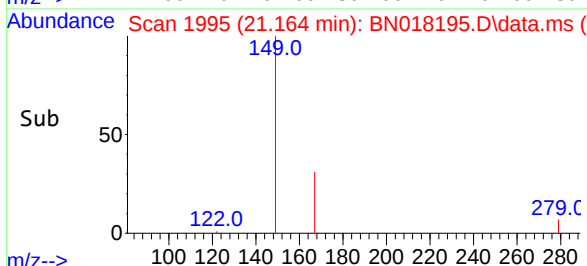
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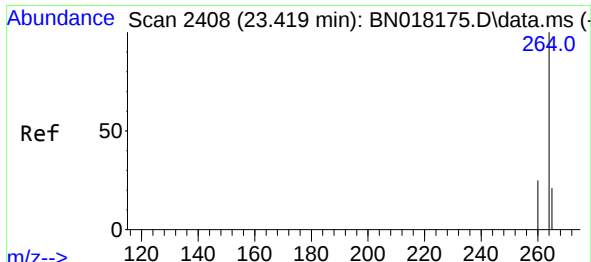


#34
Bis(2-ethylhexyl)phthalate
Concen: 24.147 ng
RT: 21.164 min Scan# 1995
Delta R.T. 0.043 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01



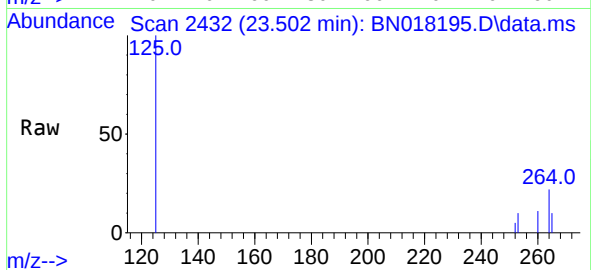
Tgt Ion:149 Resp: 2458395
Ion Ratio Lower Upper
149 100
167 30.2 23.7 35.5
279 8.9 3.6 5.4





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 2408
Delta R.T. 0.083 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

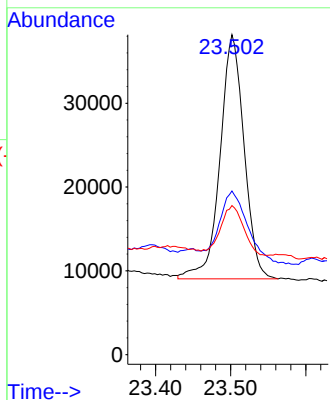
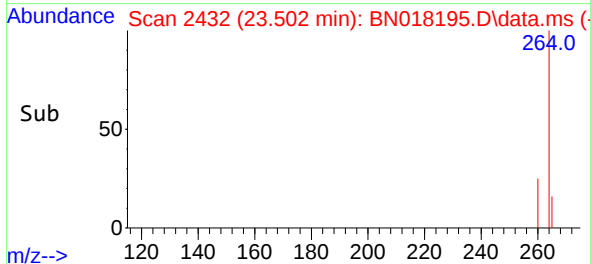
Instrument :
BNA_N
ClientSampleId :
OB-CS-04



Tgt Ion:264 Resp: 64748
Ion Ratio Lower Upper
264 100
260 51.2 20.2 30.4#
265 46.6 18.2 27.2#

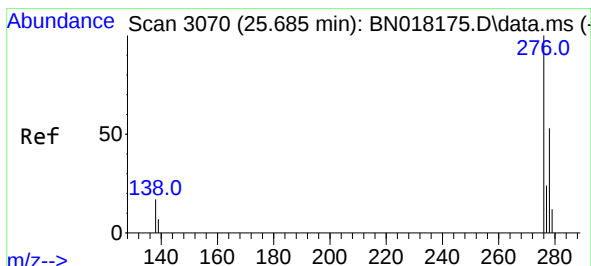
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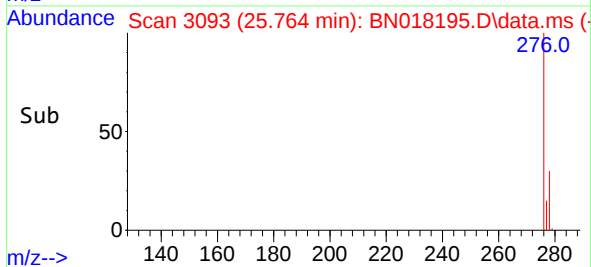
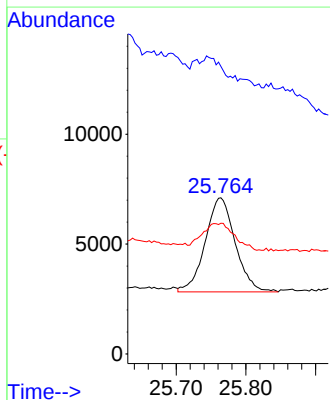
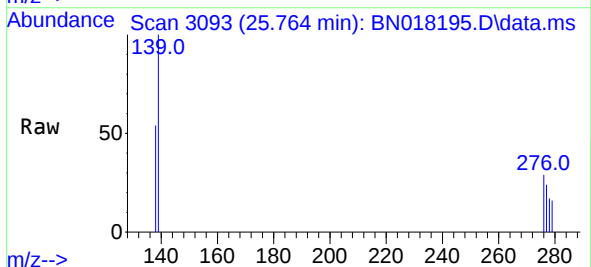
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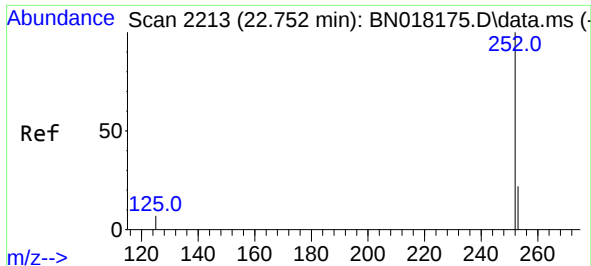
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#36
Indeno(1,2,3-cd)pyrene
Concen: 0.068 ng
RT: 25.764 min Scan# 3093
Delta R.T. 0.079 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

Tgt Ion:276 Resp: 12782
Ion Ratio Lower Upper
276 100
138 0.0 14.9 22.3#
277 31.2 19.9 29.9#





#37

Benzo(b)fluoranthene

Concen: 0.200 ng m

RT: 22.827 min Scan# 2235

Delta R.T. 0.075 min

Lab File: BN018195.D

Acq: 24 Dec 2021 01:01

Instrument :

BN018195.D

ClientSampleId :

OB-CS-04

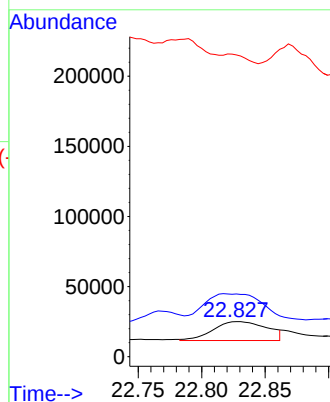
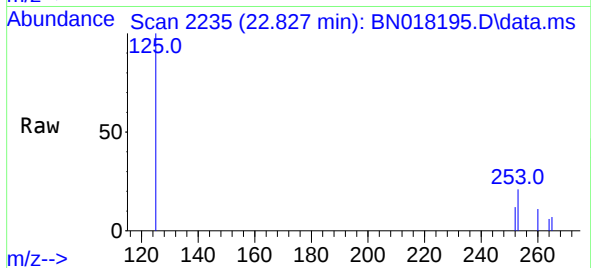
Tgt Ion:252 Resp: 4015

Ion	Ratio	Lower	Upper
252	100		
253	179.1	17.8	26.6
125	860.7	6.0	9.0

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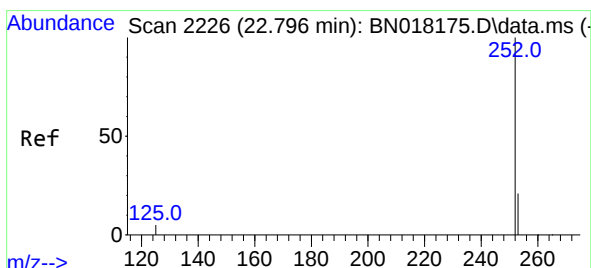
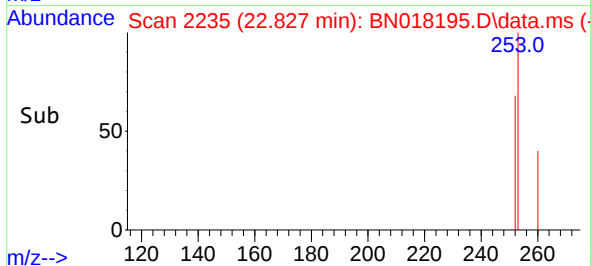
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12/30/2021



#38

Benzo(k)fluoranthene

Concen: 0.060 ng m

RT: 22.861 min Scan# 2245

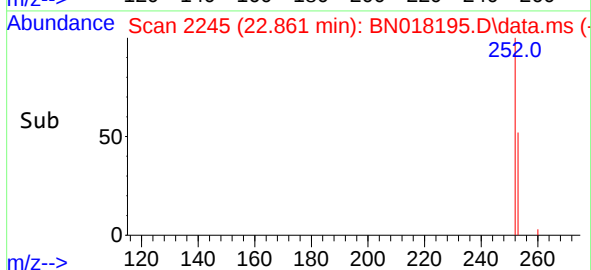
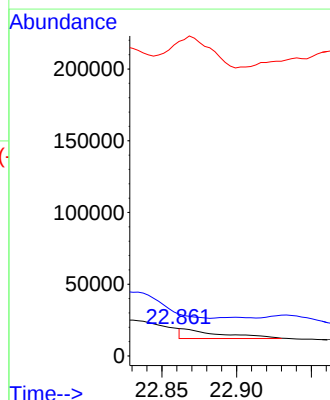
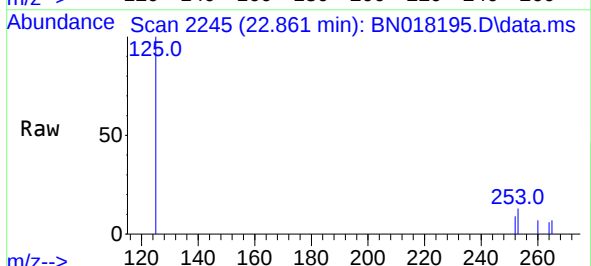
Delta R.T. 0.065 min

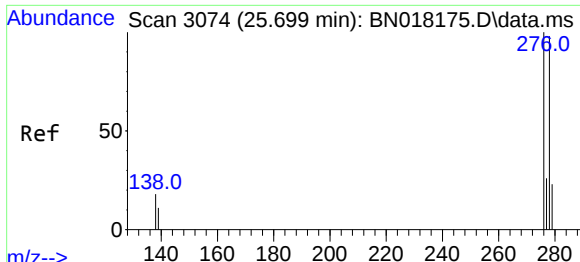
Lab File: BN018195.D

Acq: 24 Dec 2021 01:01

Tgt Ion:252 Resp: 12086

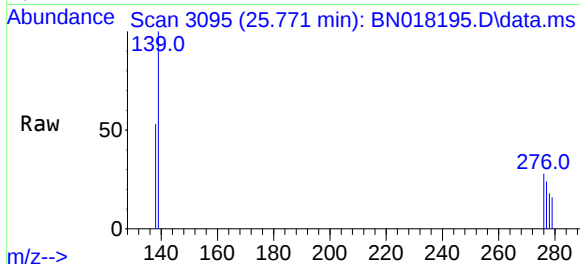
Ion	Ratio	Lower	Upper
252	100		
253	153.0	17.7	26.5
125	1152.1	6.2	9.2





#40
Dibenzo(a,h)anthracene
Concen: 0.058 ng
RT: 25.771 min Scan# 3074
Delta R.T. 0.072 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

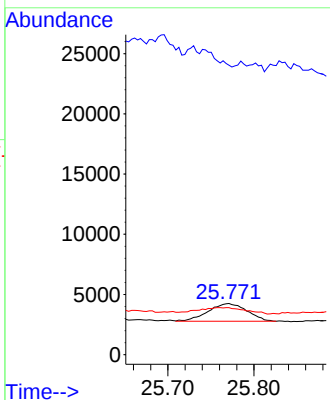
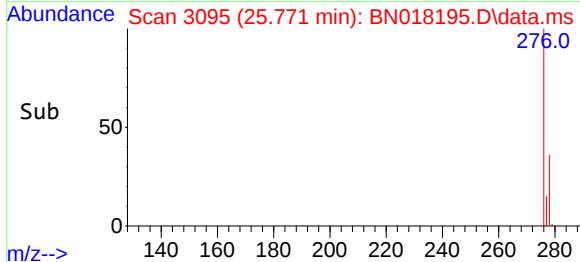
Instrument :
BNA_N
ClientSampleId :
OB-CS-04



Tgt Ion:278 Resp: 4579
Ion Ratio Lower Upper
278 100
139 564.7 10.8 16.2#
279 91.7 19.0 28.4#

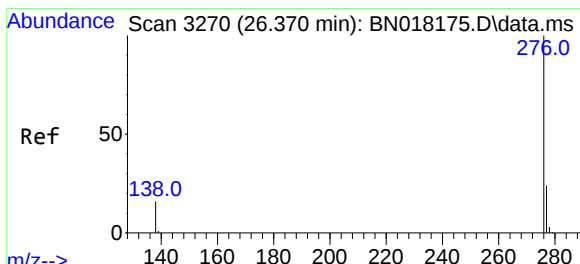
Manual Integrations
APPROVED

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



12/27/2021
Supervised By :mohammad
ahmed

12/30/2021



#41
Benzo(g,h,i)perylene
Concen: 0.103 ng
RT: 26.452 min Scan# 3294
Delta R.T. 0.082 min
Lab File: BN018195.D
Acq: 24 Dec 2021 01:01

Tgt Ion:276 Resp: 17719
Ion Ratio Lower Upper
276 100
277 63.1 19.0 28.6#
138 112.9 12.6 19.0#

