

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040822\
 Data File : BN019401.D
 Acq On : 08 Apr 2022 22:48
 Operator : CG/JU
 Sample : N2333-04 4X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-9

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/11/2022
 Supervised By : mohammad ahmed 04/11/2022

Quant Time: Apr 11 04:11:54 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 04 17:40:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	4285	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	12665	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	9015	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	18286	0.400	ng	0.00
29) Chrysene-d12	21.386	240	16104	0.400	ng	# 0.00
35) Perylene-d12	23.744	264	14030	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	278	0.024	ng	0.00
5) Phenol-d6	7.002	99	308	0.022	ng	0.01
8) Nitrobenzene-d5	8.982	82	637	0.055	ng	0.00
11) 2-Methylnaphthalene-d10	12.219	152	778	0.035	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	205	0.037	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	1273	0.034	ng	0.00
27) Fluoranthene-d10	19.236	212	2460	0.042	ng	0.00
31) Terphenyl-d14	19.834	244	1621	0.046	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.680	128	52666	1.409	ng	# 76
12) 2-Methylnaphthalene	12.291	142	29019	1.120	ng	96
17) Acenaphthene	14.527	154	3467	0.117	ng	93
18) Fluorene	15.511	166	3298	0.084	ng	# 93
25) Phenanthrene	17.246	178	3994m	0.065	ng	
26) Anthracene	17.338	178	3432	0.064	ng	# 93
28) Fluoranthene	19.265	202	36582	0.503	ng	99
30) Pyrene	19.628	202	40012	0.534	ng	# 96
32) Benzo(a)anthracene	21.377	228	10971	0.184	ng	# 92
33) Chrysene	21.422	228	9853	0.149	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.306	149	5098	0.115	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.167	276	4814	0.082	ng	# 82
37) Benzo(b)fluoranthene	23.030	252	12033	0.219	ng	# 82
38) Benzo(k)fluoranthene	23.068	252	4315m	0.075	ng	
39) Benzo(a)pyrene	23.635	252	7367	0.149	ng	# 71
41) Benzo(g,h,i)perylene	26.910	276	6792	0.125	ng	93

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

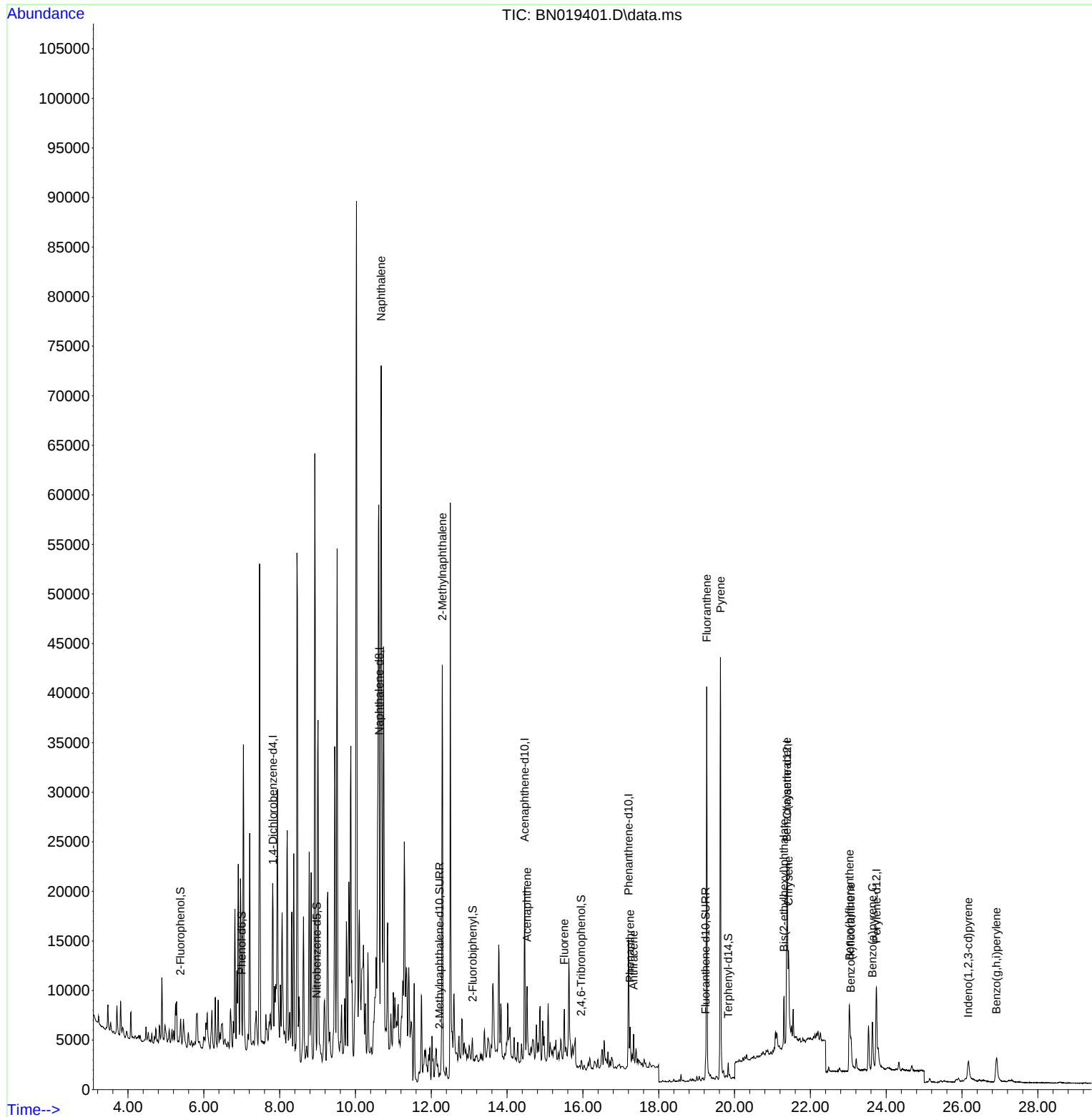
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040822\
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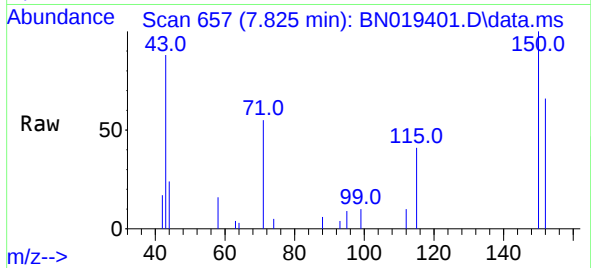
Quant Time: Apr 11 04:11:54 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 657
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

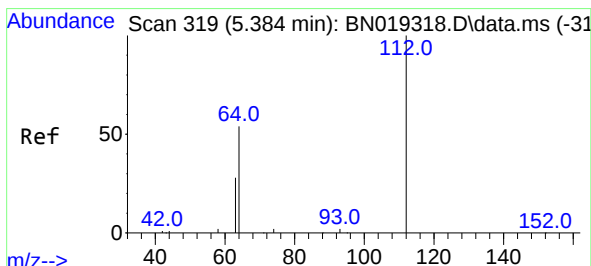
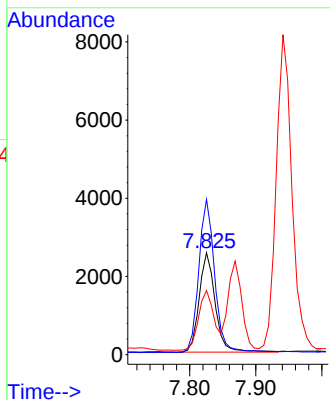
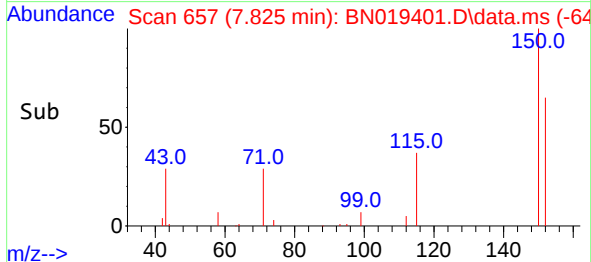
Instrument :
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MW-9



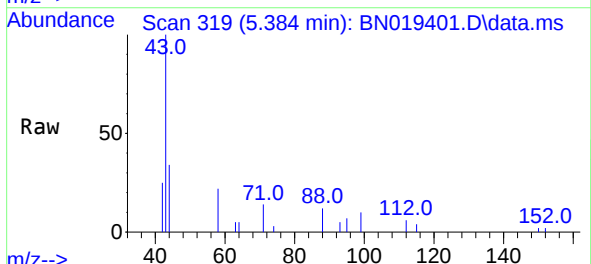
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Ion Ratio Lower Upper
152 100
150 152.5 123.9 185.9
115 63.0 48.2 72.4

Manual Integrations
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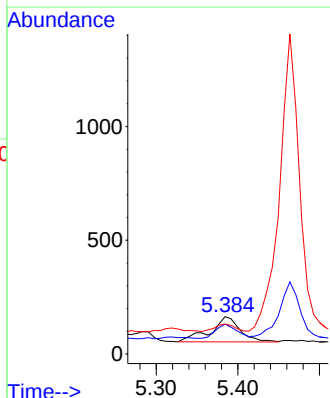
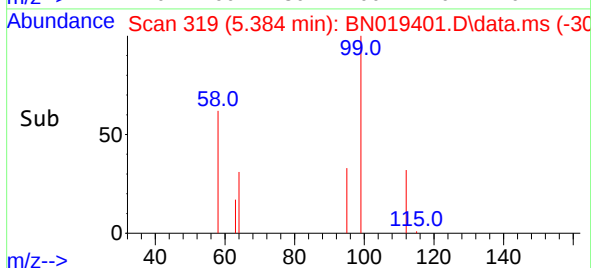
Reviewed By :Christian Giraldo 04/11/2022
Supervised By :mohammad ahmed 04/11/2022



#4
2-Fluorophenol
Concen: 0.024 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48



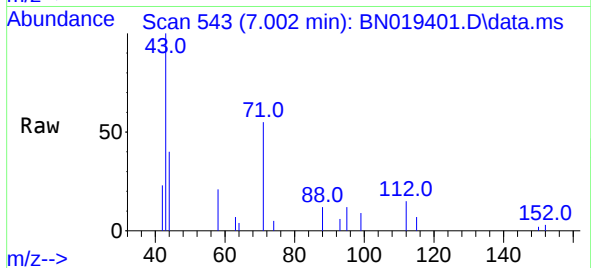
Tgt Ion:112 Resp: 278
Ion Ratio Lower Upper
112 100
64 39.6 47.8 71.8#
63 0.0 25.7 38.5#





#5
Phenol-d6
Concen: 0.022 ng
RT: 7.002 min Scan# 541
Delta R.T. 0.014 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

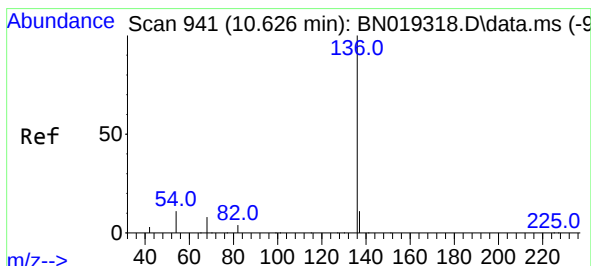
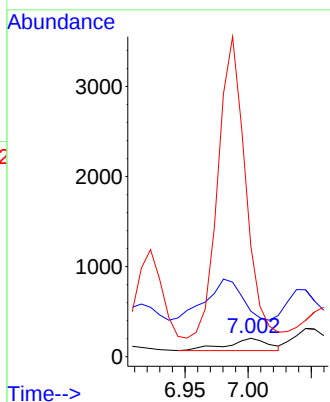
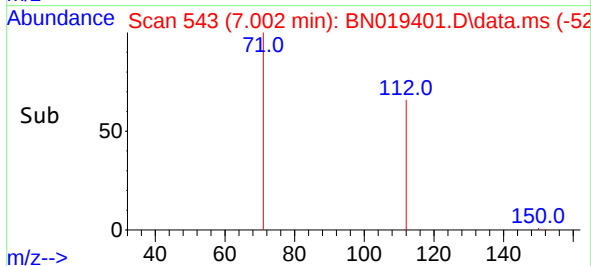
Instrument :
BNA_N
ClientSampleId :
MW-9



Tgt Ion: 99 Resp: 308
Ion Ratio Lower Upper
99 100
42 0.0 16.2 24.4#
71 0.0 27.7 41.5#

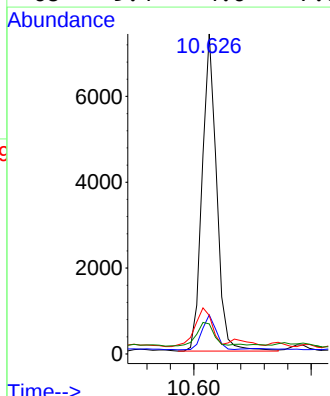
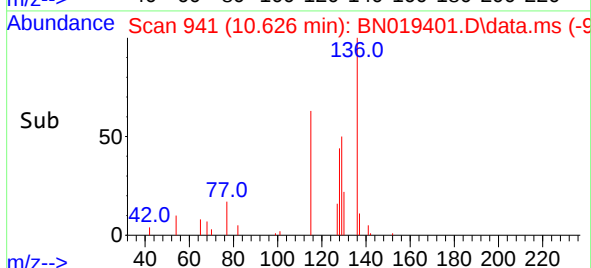
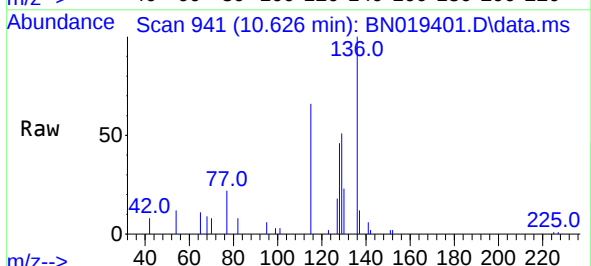
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

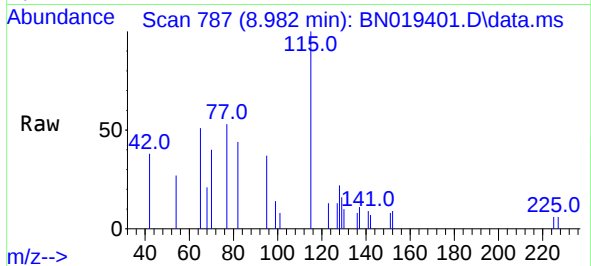
Tgt Ion:136 Resp: 12665
Ion Ratio Lower Upper
136 100
137 12.2 9.0 13.4
54 12.0 5.8 8.6#
68 9.4 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.055 ng
RT: 8.982 min Scan# 787
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

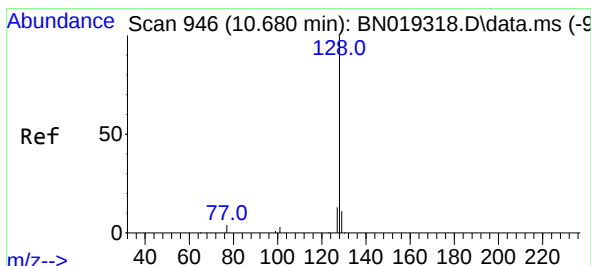
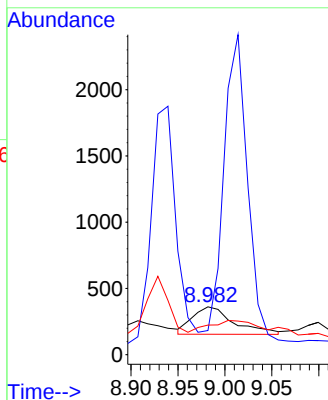
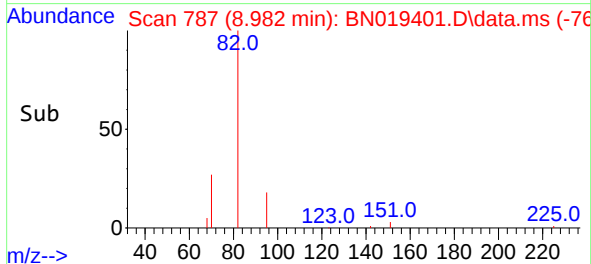
Instrument :
BNA_N
ClientSampleId :
MW-9



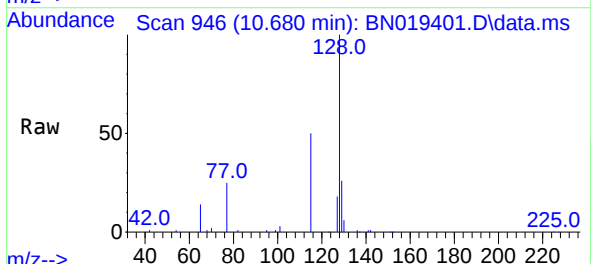
Tgt Ion: 82 Resp: 637
Ion Ratio Lower Upper
82 100
128 50.6 33.0 49.6
54 61.9 42.5 63.7

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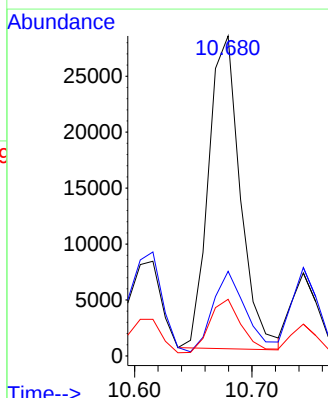
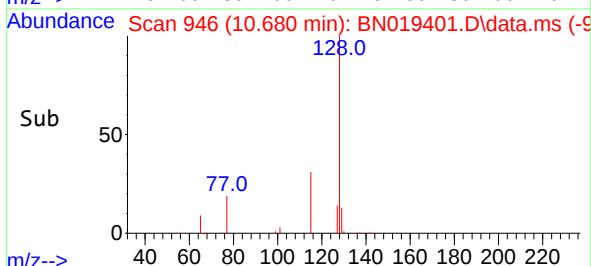
Reviewed By :Christian Giraldo 04/11/2022
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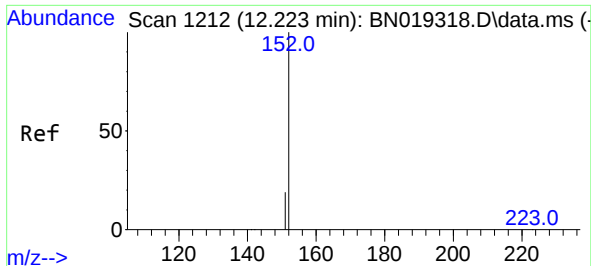


#9
Naphthalene
Concen: 1.409 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48



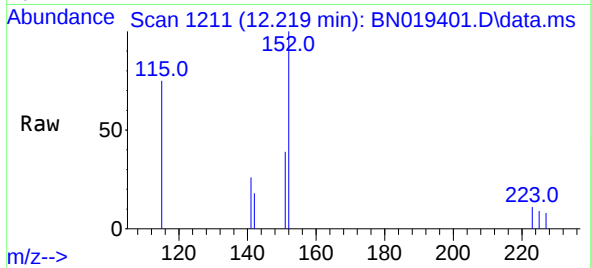
Tgt Ion:128 Resp: 52666
Ion Ratio Lower Upper
128 100
129 26.5 9.0 13.4#
127 17.7 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.035 ng
RT: 12.219 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

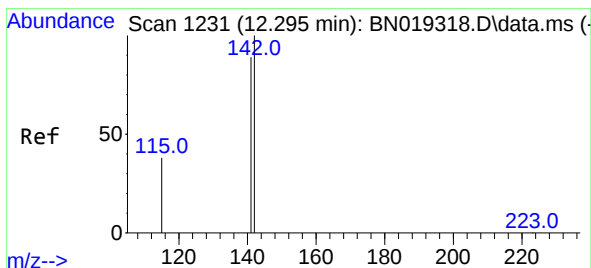
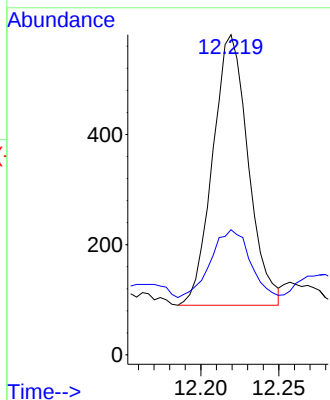
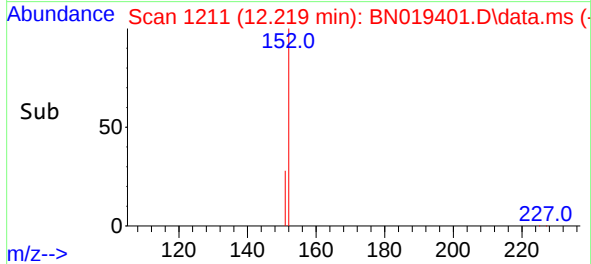
Instrument :
BNA_N
ClientSampleId :
MW-9



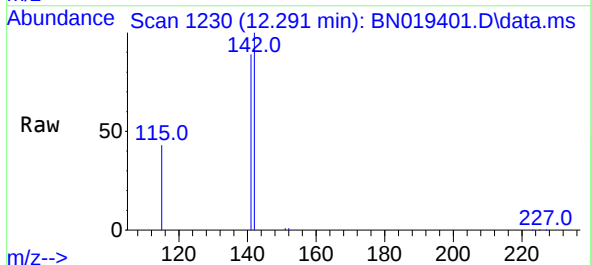
Tgt Ion:152 Resp: 778
Ion Ratio Lower Upper
152 100
151 32.4 16.5 24.7

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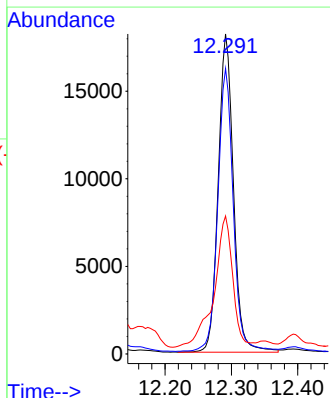
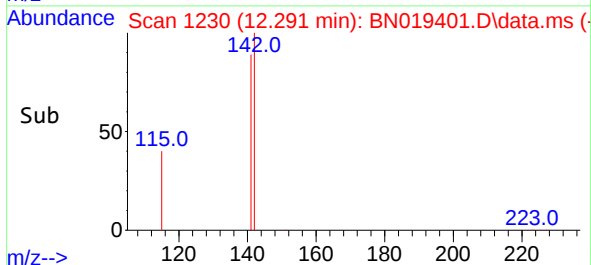
Reviewed By :Christian Giraldo 04/11/2022
Supervised By :mohammad ahmed 04/11/2022

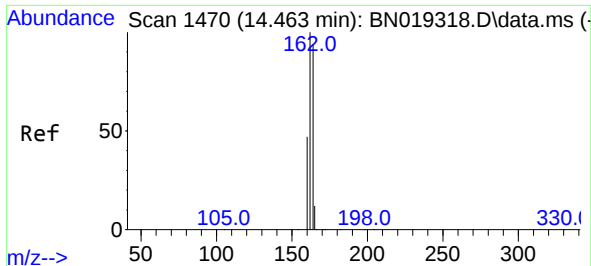


#12
2-Methylnaphthalene
Concen: 1.120 ng
RT: 12.291 min Scan# 1230
Delta R.T. -0.004 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48



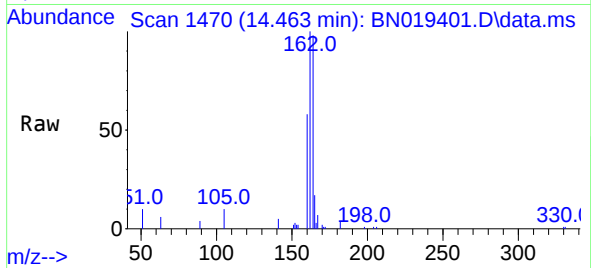
Tgt Ion:142 Resp: 29019
Ion Ratio Lower Upper
142 100
141 89.2 70.0 105.0
115 43.1 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

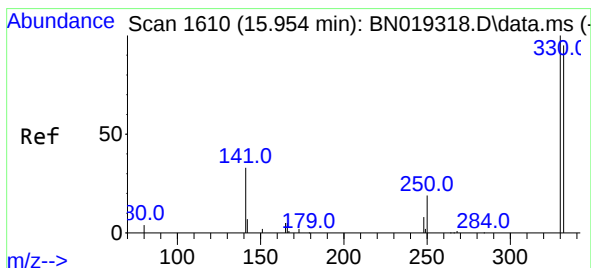
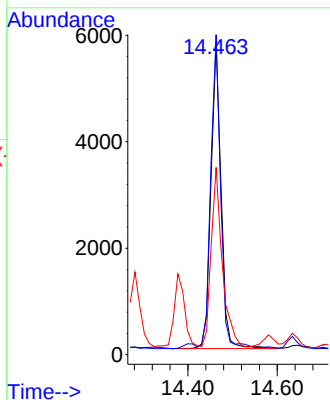
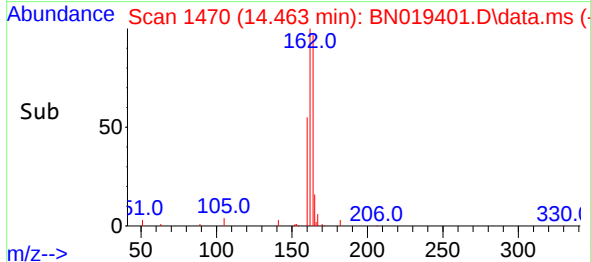
Instrument :
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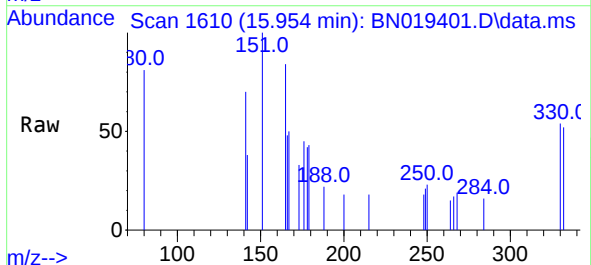
Tgt Ion:164 Resp: 901
Ion Ratio Lower Upper
164 100
162 102.3 85.2 127.8
160 59.9 41.5 62.3

Manual Integrations
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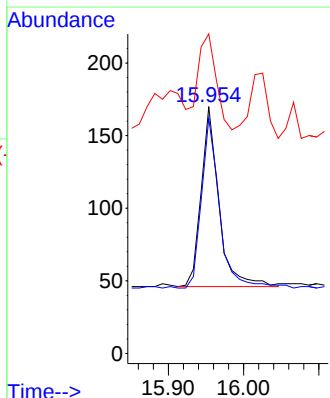
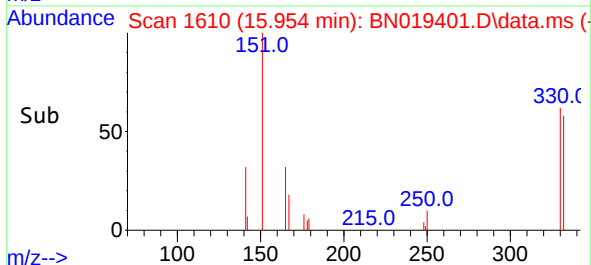
Reviewed By :Christian Giraldo 04/11/2022
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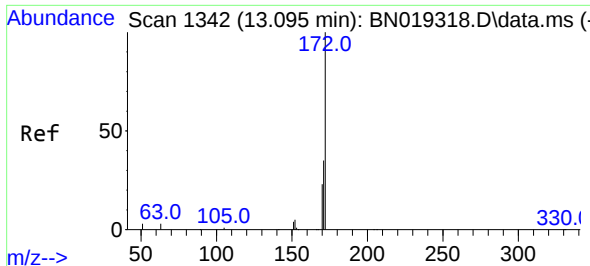


#14
2,4,6-Tribromophenol
Concen: 0.037 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48



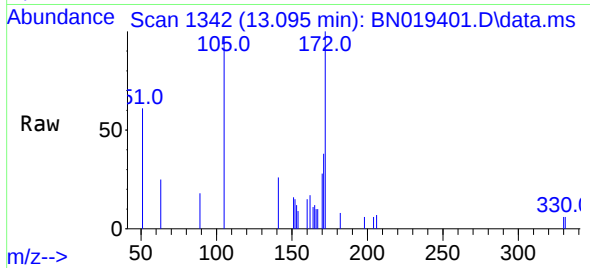
Tgt Ion:330 Resp: 205
Ion Ratio Lower Upper
330 100
332 95.6 76.8 115.2
141 54.1 32.2 48.2#





#15
2-Fluorobiphenyl
Concen: 0.034 ng
RT: 13.095 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

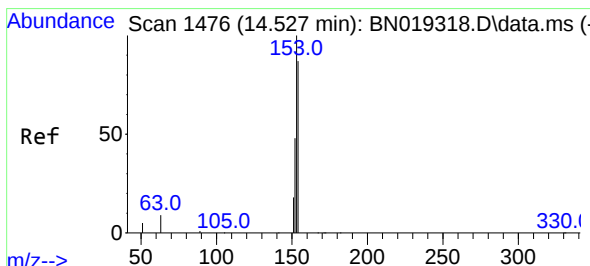
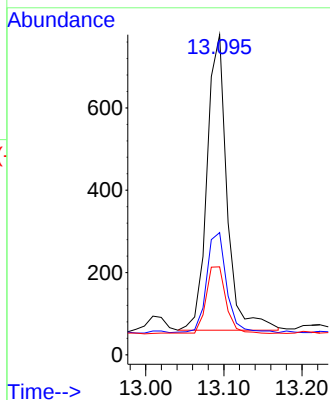
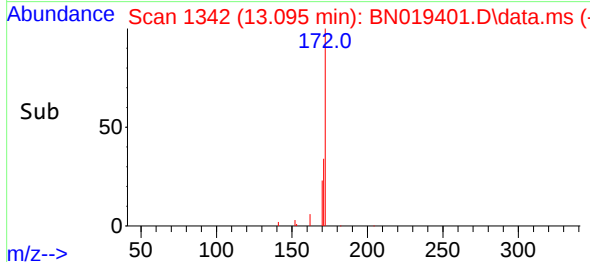
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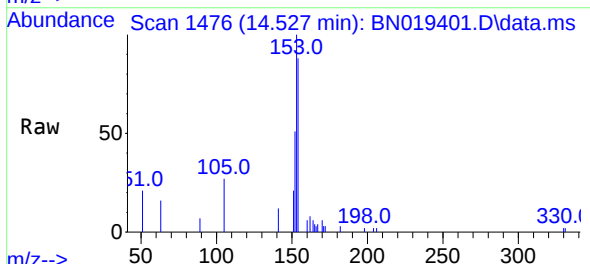
Tgt Ion:172 Resp: 127
Ion Ratio Lower Upper
172 100
171 38.2 28.2 42.2
170 27.5 18.7 28.1

Manual Integrations
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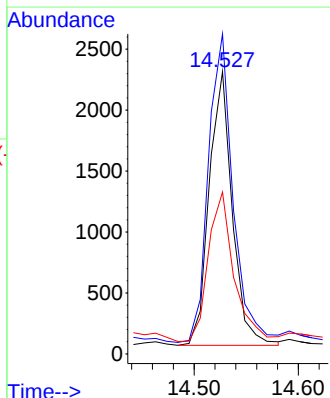
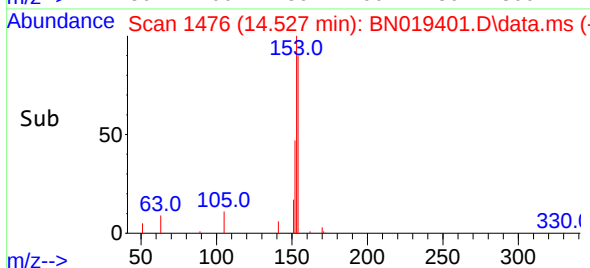
Reviewed By :Christian Giraldo 04/11/2022
Supervised By :mohammad ahmed 04/11/2022

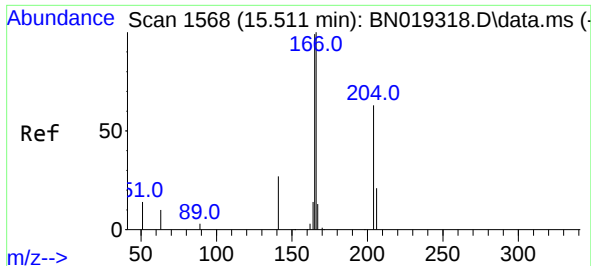


#17
Acenaphthene
Concen: 0.117 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48



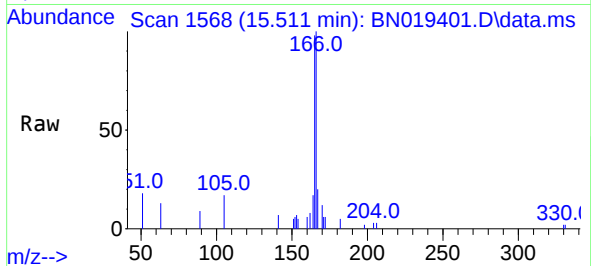
Tgt Ion:154 Resp: 3467
Ion Ratio Lower Upper
154 100
153 119.8 89.7 134.5
152 60.9 44.7 67.1





#18
Fluorene
Concen: 0.084 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

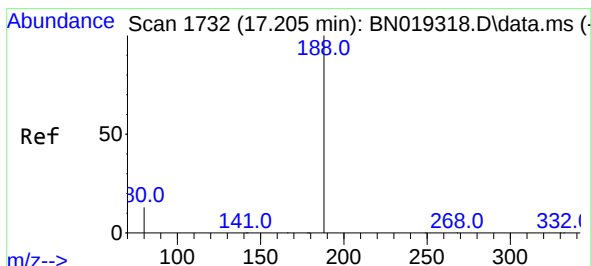
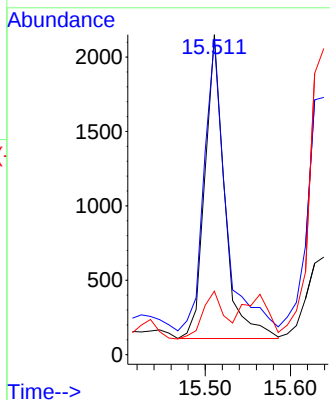
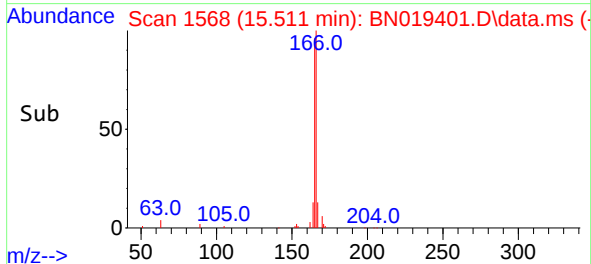
Instrument :
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Tgt Ion:166 Resp: 3298
Ion Ratio Lower Upper
166 100
165 105.1 79.2 118.8
167 17.3 10.7 16.1

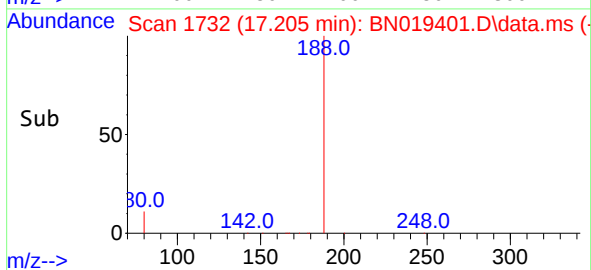
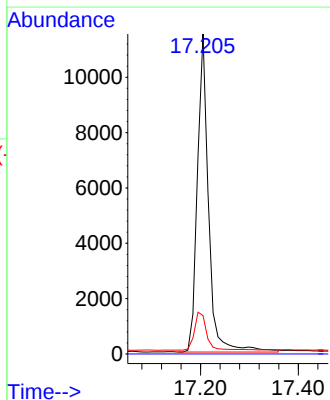
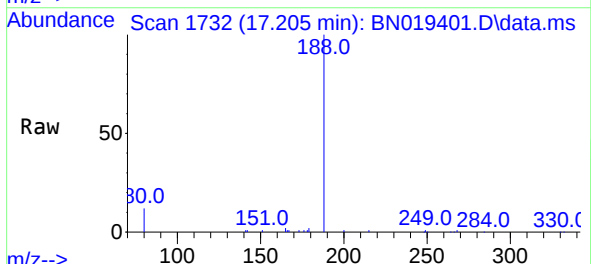
Manual Integrations
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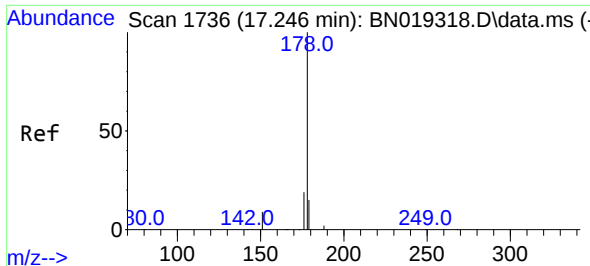
Reviewed By :Christian Giraldo 04/11/2022
Supervised By :mohammad ahmed 04/11/2022



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

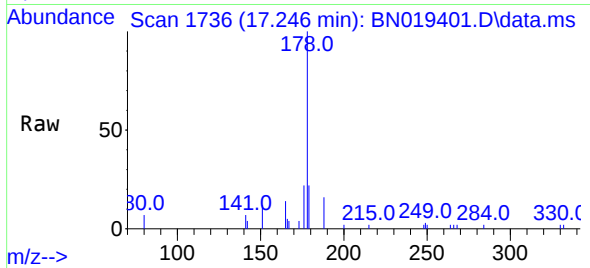
Tgt Ion:188 Resp: 18286
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.0 11.8 17.8





#25
Phenanthrene
Concen: 0.065 ng m
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

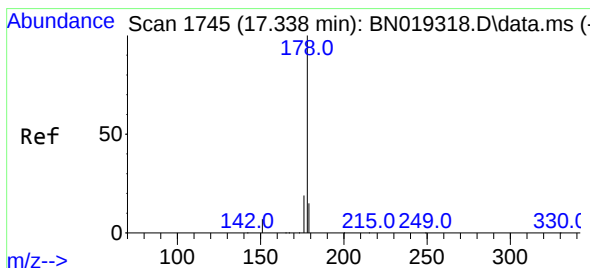
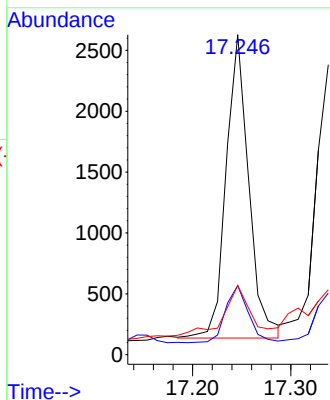
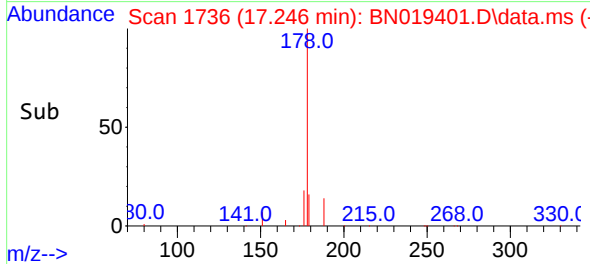
Instrument :
BNA_N
ClientSampleId :
MW-9



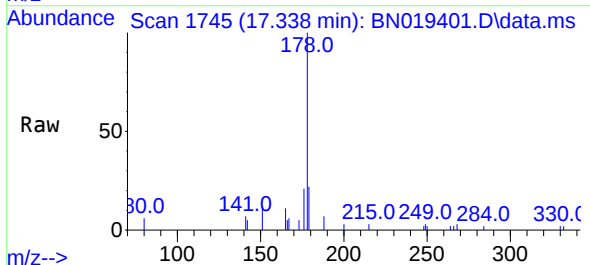
Tgt Ion:178 Resp: 3994
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 24.6 12.2 18.2

Manual Integrations
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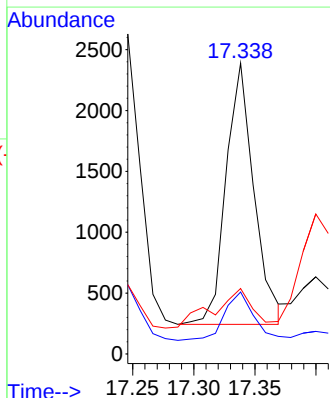
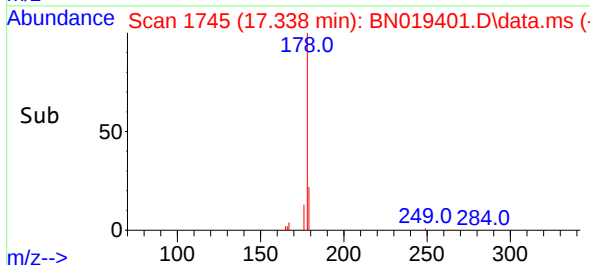
Reviewed By :Christian Giraldo 04/11/2022
Supervised By :mohammad ahmed 04/11/2022

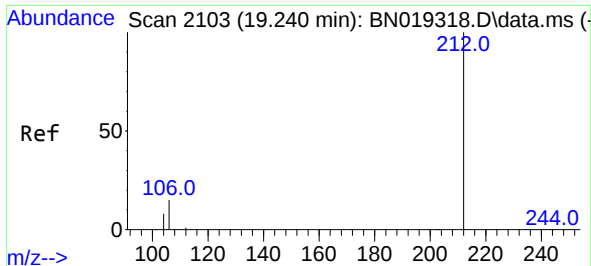


#26
Anthracene
Concen: 0.064 ng
RT: 17.338 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48



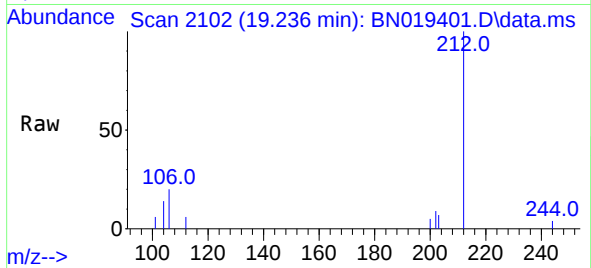
Tgt Ion:178 Resp: 3432
Ion Ratio Lower Upper
178 100
176 19.7 14.8 22.2
179 20.8 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.042 ng
RT: 19.236 min Scan# 2109
Delta R.T. -0.004 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

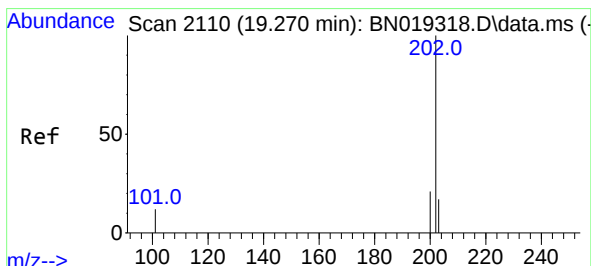
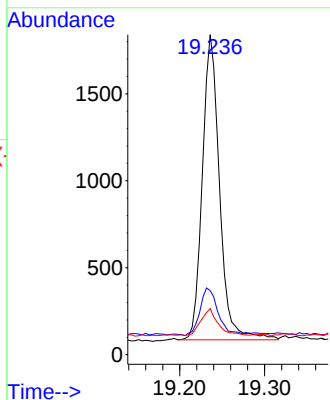
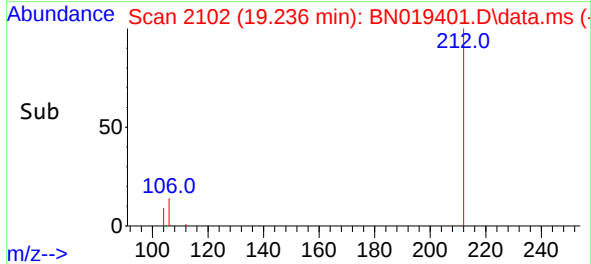
Instrument :
BNA_N
ClientSampleId :
MW-9



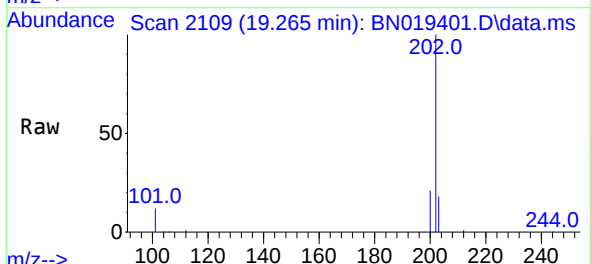
Tgt Ion:212 Resp: 2460
Ion Ratio Lower Upper
212 100
106 16.4 12.7 19.1
104 8.5 7.1 10.7

Manual Integrations
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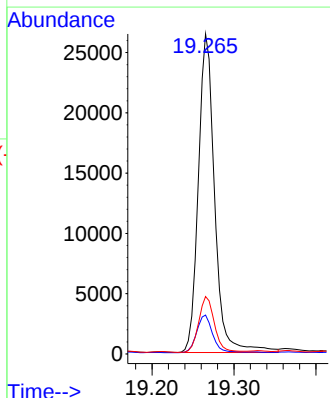
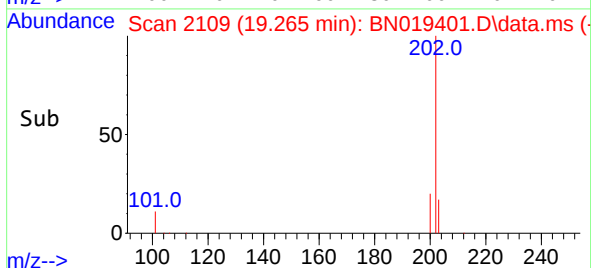
Reviewed By :Christian Giraldo 04/11/2022
Supervised By :mohammad ahmed 04/11/2022

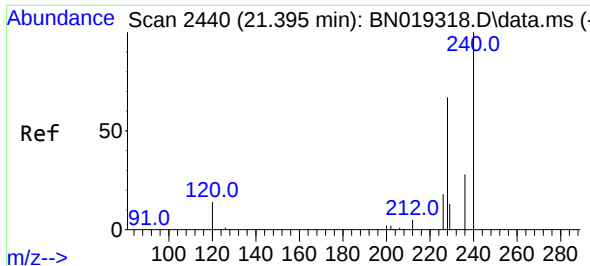


#28
Fluoranthene
Concen: 0.503 ng
RT: 19.265 min Scan# 2109
Delta R.T. -0.004 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48



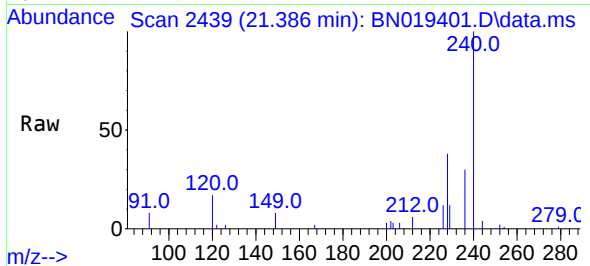
Tgt Ion:202 Resp: 36582
Ion Ratio Lower Upper
202 100
101 11.5 9.8 14.6
203 16.9 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.386 min Scan# 2440
Delta R.T. -0.009 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

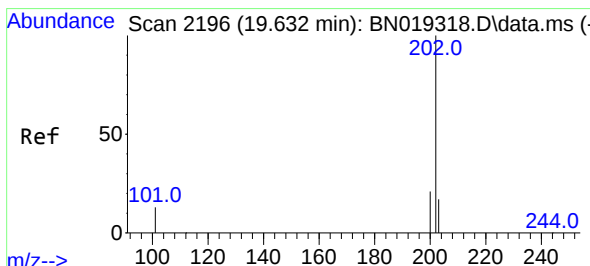
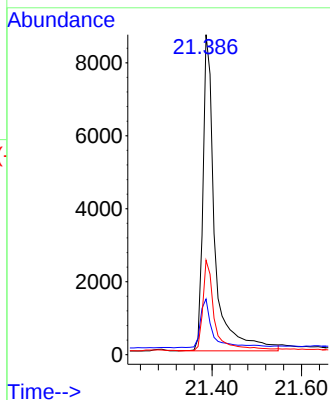
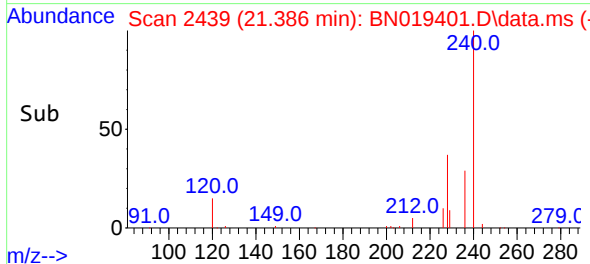
Instrument :
BNA_N
ClientSampleId :
MW-9



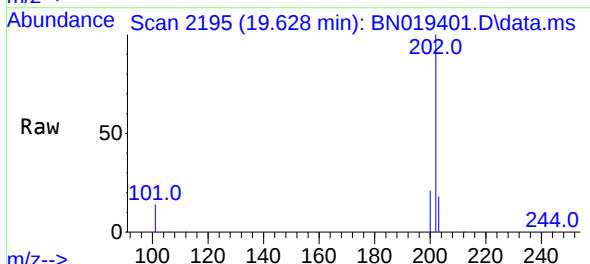
Tgt Ion:240 Resp: 16104
Ion Ratio Lower Upper
240 100
120 17.4 8.5 12.7
236 29.5 22.4 33.6

Manual Integrations
APPROVED

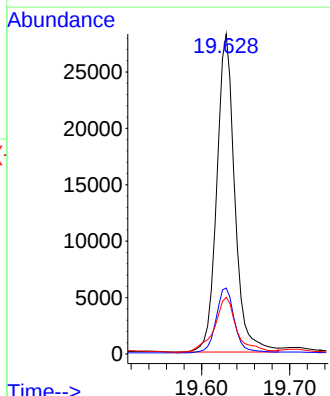
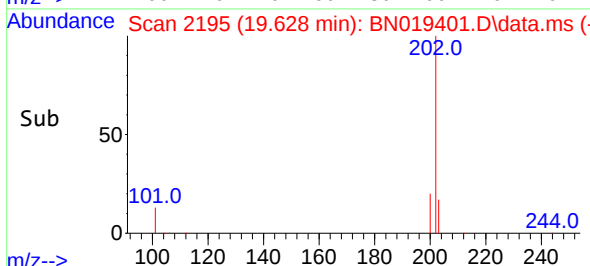
Reviewed By :Christian Giraldo 04/11/2022
Supervised By :mohammad ahmed 04/11/2022

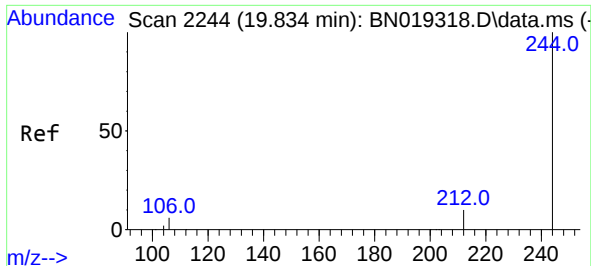


#30
Pyrene
Concen: 0.534 ng
RT: 19.628 min Scan# 2195
Delta R.T. -0.004 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48



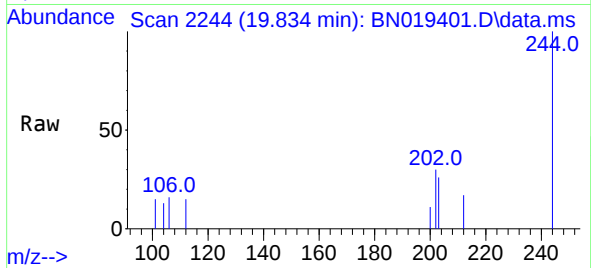
Tgt Ion:202 Resp: 40012
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 21.3 14.2 21.2





#31
 Terphenyl-d14
 Concen: 0.046 ng
 RT: 19.834 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN019401.D
 Acq: 08 Apr 2022 22:48

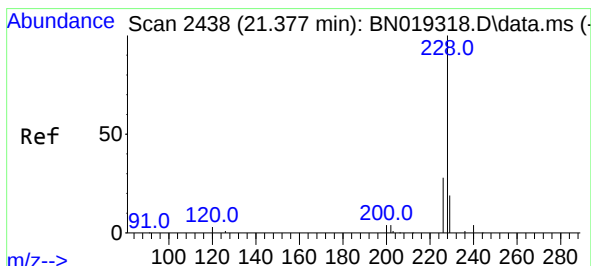
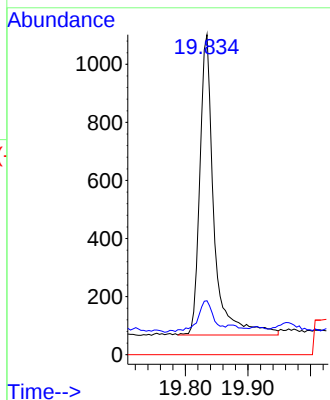
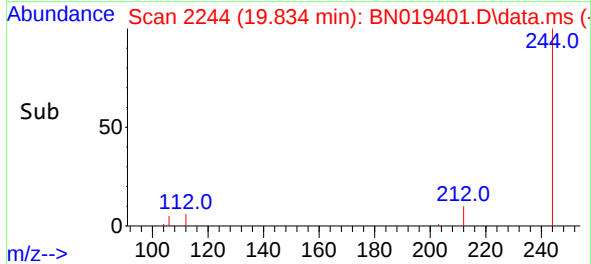
Instrument :
 BNA_N
 ClientSampleId :
 MW-9



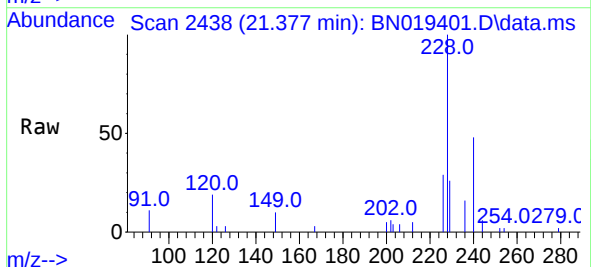
Tgt Ion:	244	Resp:	162
Ion Ratio	Lower	Upper	
244	100		
212	16.9	8.2	12.4
122	0.0	0.0	0.0

Manual Integrations
 APPROVED

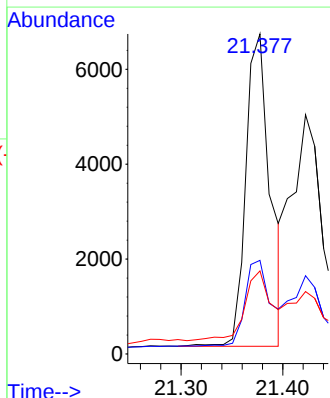
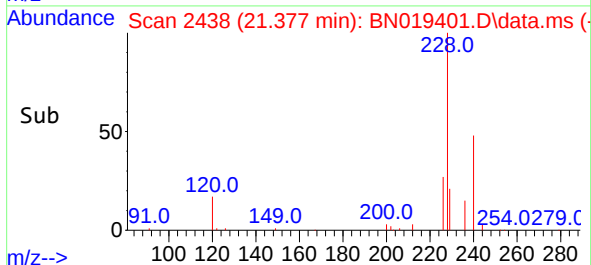
Reviewed By :Christian Giraldo 04/11/2022
 Supervised By :mohammad ahmed 04/11/2022

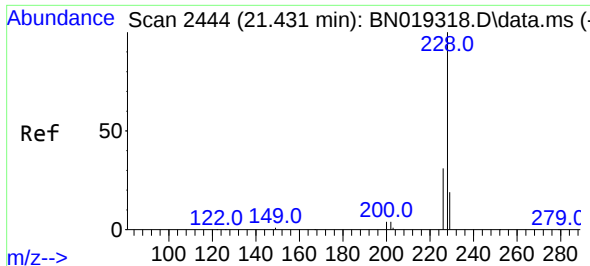


#32
 Benzo(a)anthracene
 Concen: 0.184 ng
 RT: 21.377 min Scan# 2438
 Delta R.T. 0.000 min
 Lab File: BN019401.D
 Acq: 08 Apr 2022 22:48



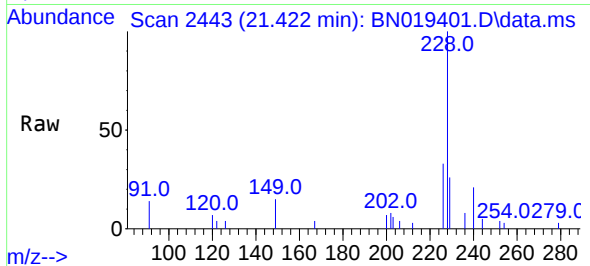
Tgt Ion:	228	Resp:	10971
Ion Ratio	Lower	Upper	
228	100		
226	29.2	21.9	32.9
229	26.0	16.0	24.0





#33
Chrysene
Concen: 0.149 ng
RT: 21.422 min Scan# 2444
Delta R.T. -0.009 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

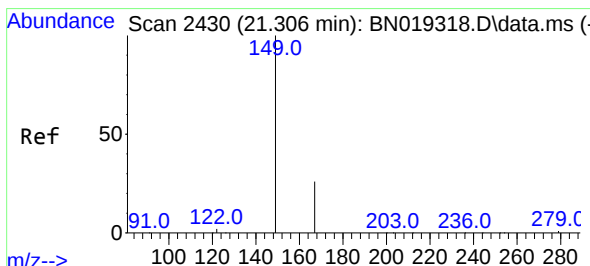
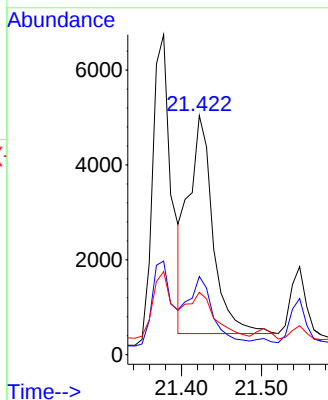
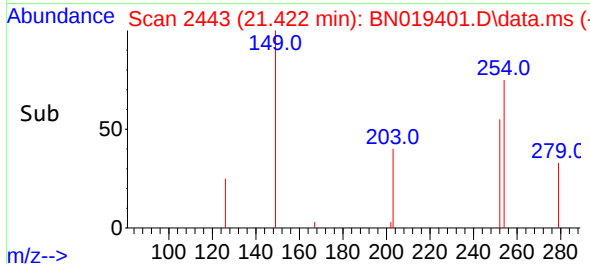
Instrument :
BNA_N
ClientSampleId :
MW-9



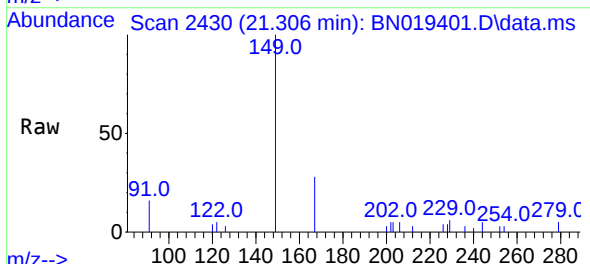
Tgt Ion:228 Resp: 985
Ion Ratio Lower Upper
228 100
226 32.7 24.0 36.0
229 26.1 15.9 23.9

Manual Integrations
APPROVED

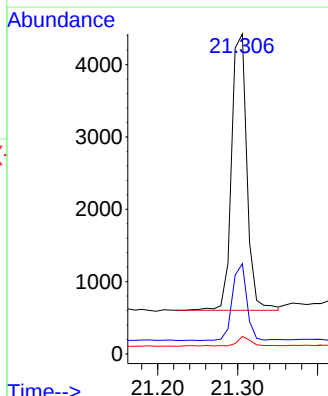
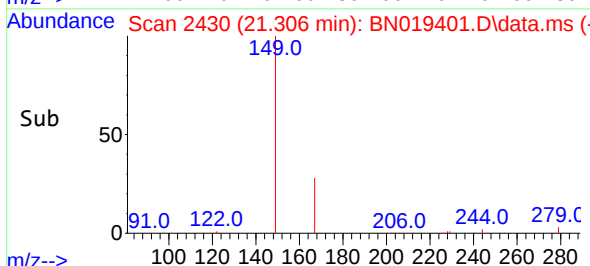
Reviewed By :Christian Giraldo 04/11/2022
Supervised By :mohammad ahmed 04/11/2022

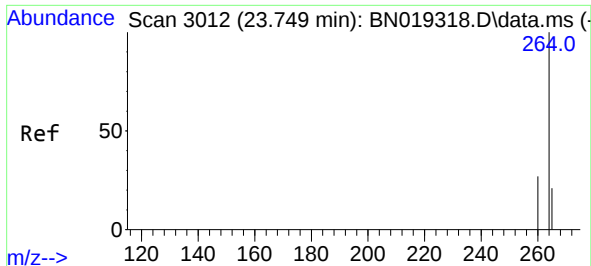


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.115 ng
RT: 21.306 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48



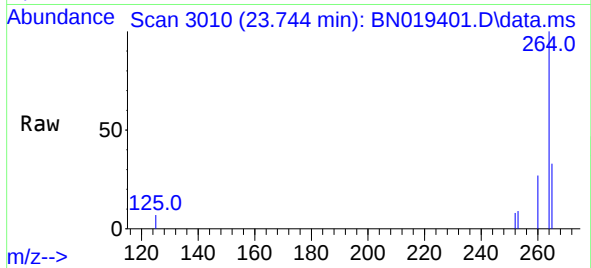
Tgt Ion:149 Resp: 5098
Ion Ratio Lower Upper
149 100
167 25.9 21.8 32.8
279 3.1 2.0 3.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.744 min Scan# 3012
Delta R.T. -0.006 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

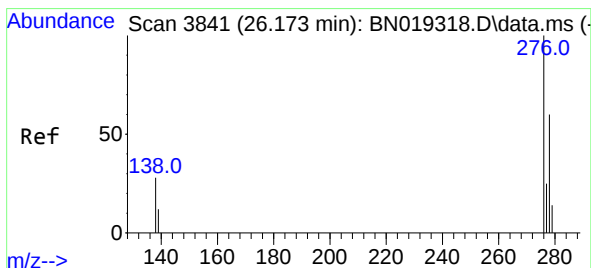
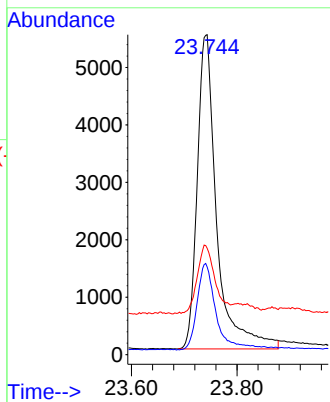
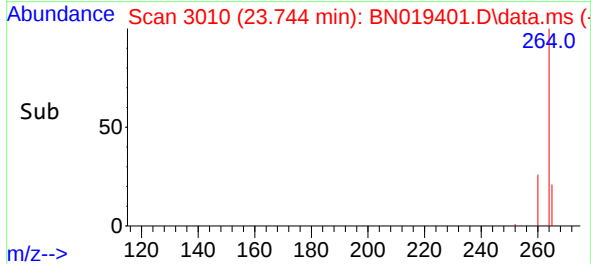
Instrument :
BNA_N
ClientSampleId :
MW-9



Tgt Ion:264 Resp: 14030
Ion Ratio Lower Upper
264 100
260 27.4 22.4 33.6
265 33.2 25.3 37.9

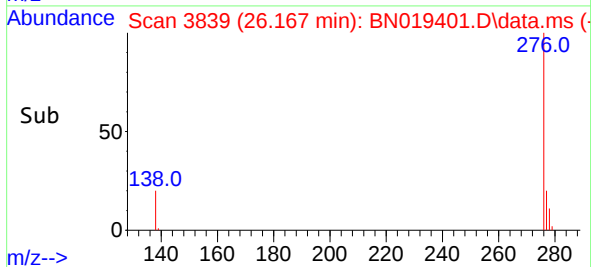
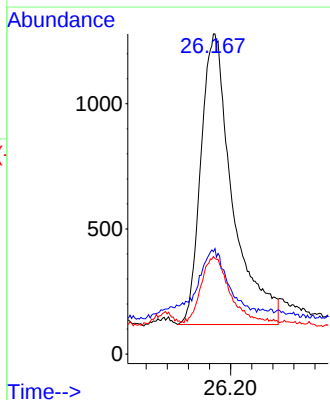
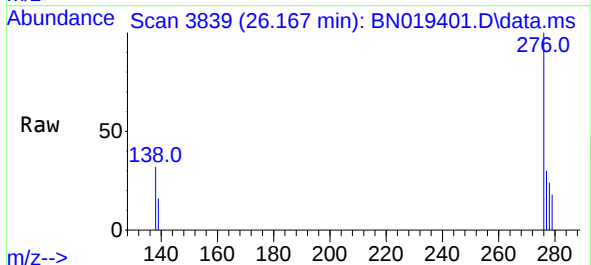
Manual Integrations
APPROVED

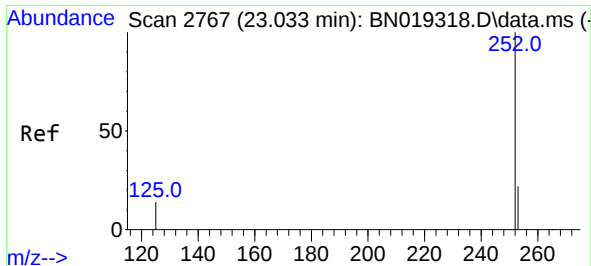
Reviewed By :Christian Giraldo 04/11/2022
Supervised By :mohammad ahmed 04/11/2022



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.082 ng
RT: 26.167 min Scan# 3839
Delta R.T. -0.006 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

Tgt Ion:276 Resp: 4814
Ion Ratio Lower Upper
276 100
138 17.5 24.5 36.7#
277 19.9 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 0.219 ng

RT: 23.030 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN019401.D

Acq: 08 Apr 2022 22:48

Instrument :

BNA_N

ClientSampleId :

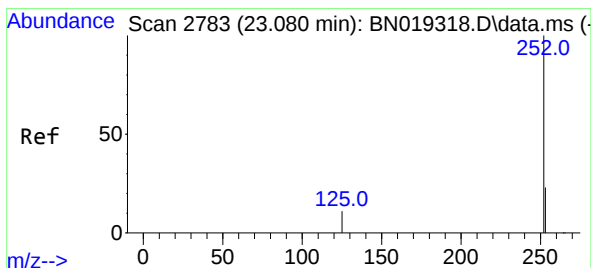
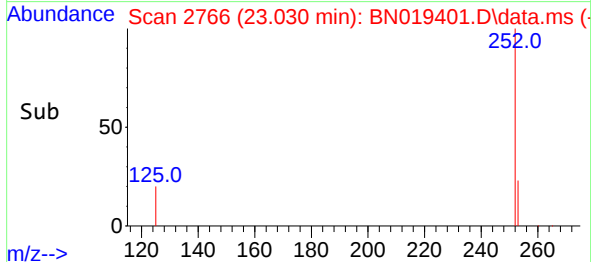
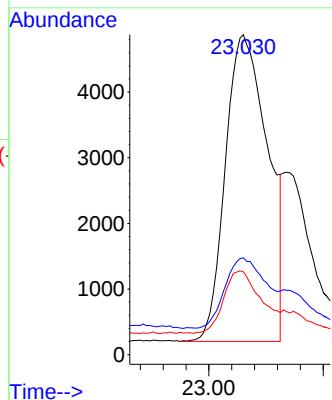
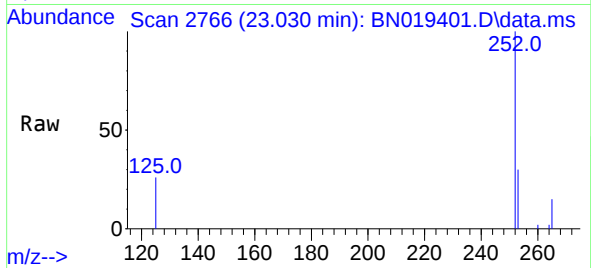
MW-9

Tgt Ion:252	Resp:	1203
Ion Ratio	Lower	Upper
252	100	
253	30.3	18.9 28.3
125	25.9	12.1 18.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/11/2022
Supervised By :mohammad ahmed 04/11/2022



#38

Benzo(k)fluoranthene

Concen: 0.075 ng m

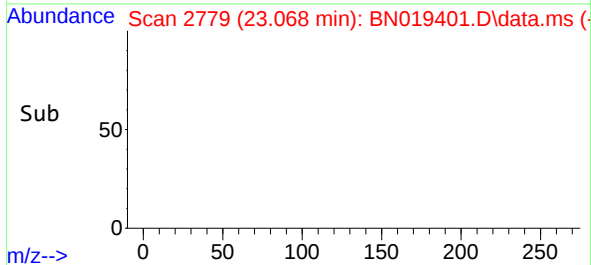
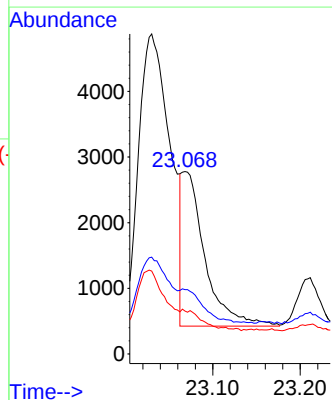
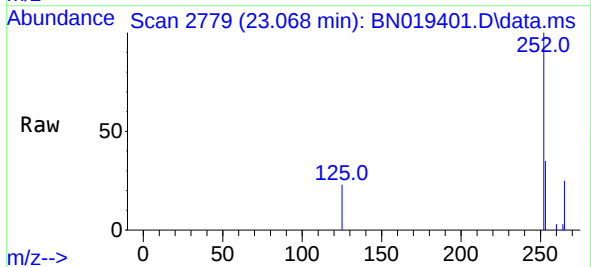
RT: 23.068 min Scan# 2779

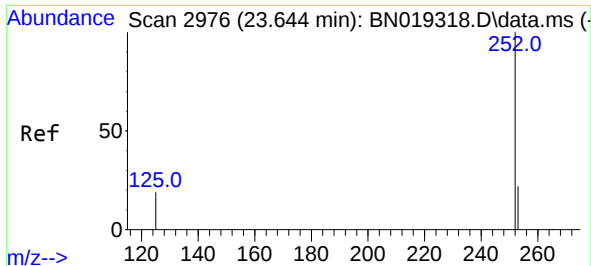
Delta R.T. -0.012 min

Lab File: BN019401.D

Acq: 08 Apr 2022 22:48

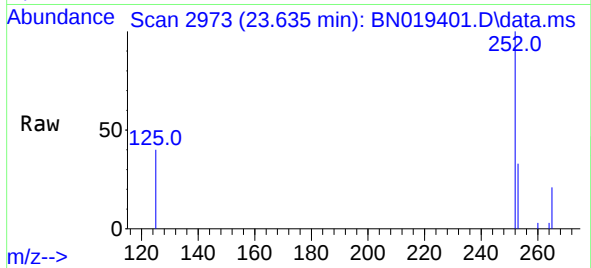
Tgt Ion:252	Resp:	4315
Ion Ratio	Lower	Upper
252	100	
253	35.3	18.9 28.3
125	23.5	10.3 15.5





#39
Benzo(a)pyrene
Concen: 0.149 ng
RT: 23.635 min Scan# 2973
Delta R.T. -0.009 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48

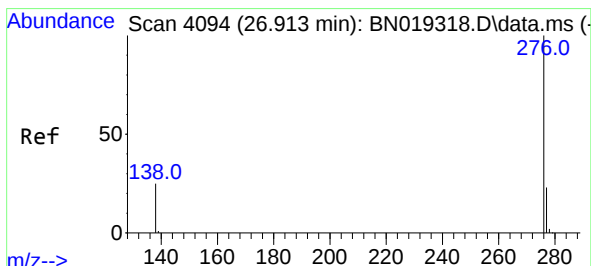
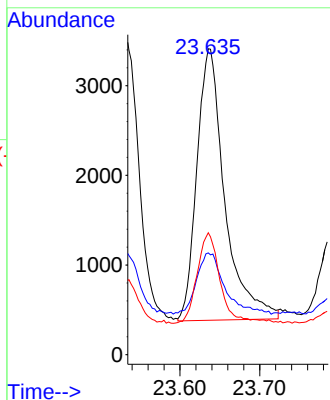
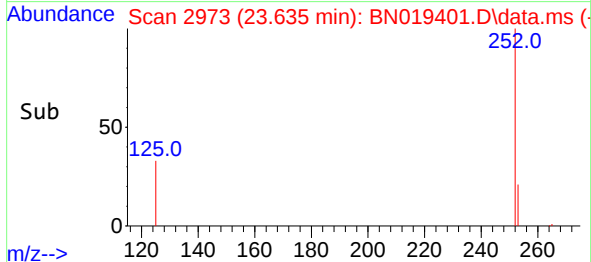
Instrument :
BNA_N
ClientSampleId :
MW-9



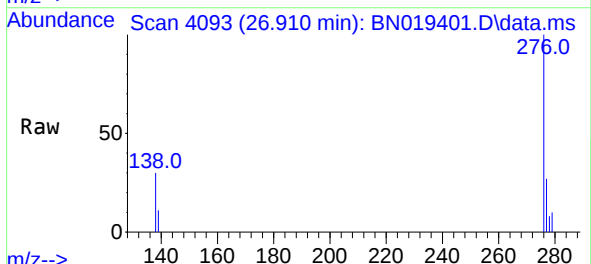
Tgt Ion:252 Resp: 736
Ion Ratio Lower Upper
252 100
253 33.3 20.1 30.1
125 39.8 15.2 22.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/11/2022
Supervised By :mohammad ahmed 04/11/2022



#41
Benzo(g,h,i)perylene
Concen: 0.125 ng
RT: 26.910 min Scan# 4093
Delta R.T. -0.003 min
Lab File: BN019401.D
Acq: 08 Apr 2022 22:48



Tgt Ion:276 Resp: 6792
Ion Ratio Lower Upper
276 100
277 27.5 19.4 29.0
138 29.8 21.0 31.6

