

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
 Data File : BN025302.D
 Acq On : 06 May 2023 05:49
 Operator : CG/JU
 Sample : 02588-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-3-6-05012023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/08/2023
 Supervised By : Jagrut Upadhyay 05/08/2023

Quant Time: May 08 03:20:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 08 02:37:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	6181	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	21982	0.400	ng	#-0.01
13) Acenaphthene-d10	14.555	164	13650	0.400	ng	0.00
19) Phenanthrene-d10	17.299	188	30857	0.400	ng	#-0.01
29) Chrysene-d12	21.491	240	27746	0.400	ng	#-0.02
35) Perylene-d12	23.916	264	25690	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.470	112	4619	0.307	ng	0.00
5) Phenol-d6	7.088	99	6114	0.324	ng	0.00
8) Nitrobenzene-d5	9.084	82	4162	0.230	ng	-0.01
11) 2-Methylnaphthalene-d10	12.309	152	8217	0.273	ng	0.00
14) 2,4,6-Tribromophenol	16.045	330	2032	0.291	ng	-0.02
15) 2-Fluorobiphenyl	13.176	172	12147	0.259	ng	-0.01
27) Fluoranthene-d10	19.334	212	18511	0.243	ng	0.00
31) Terphenyl-d14	19.928	244	13123	0.235	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.771	128	22506	0.399	ng	100
12) 2-Methylnaphthalene	12.385	142	8661	0.217	ng	99
16) Acenaphthylene	14.277	152	14338	0.235	ng	98
17) Acenaphthene	14.619	154	4712	0.124	ng	95
18) Fluorene	15.603	166	8563	0.164	ng	# 92
25) Phenanthrene	17.336	178	127808	1.497	ng	99
26) Anthracene	17.435	178	31194	0.390	ng	100
28) Fluoranthene	19.363	202	365610	3.427	ng	99
30) Pyrene	19.726	202	332469	3.505	ng	# 96
32) Benzo(a)anthracene	21.473	228	179198	1.911	ng	98
33) Chrysene	21.527	228	211755	2.268	ng	98
34) Bis(2-ethylhexyl)phtha...	21.383	149	35495	0.482	ng	# 92
36) Indeno(1,2,3-cd)pyrene	26.424	276	98358	0.955	ng	95
37) Benzo(b)fluoranthene	23.176	252	253779	3.116	ng	96
38) Benzo(k)fluoranthene	23.217	252	81367m	0.954	ng	
39) Benzo(a)pyrene	23.805	252	159487	1.912	ng	94
40) Dibenzo(a,h)anthracene	26.436	278	24372	0.300	ng	# 82
41) Benzo(g,h,i)perylene	27.205	276	96729	1.083	ng	100

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

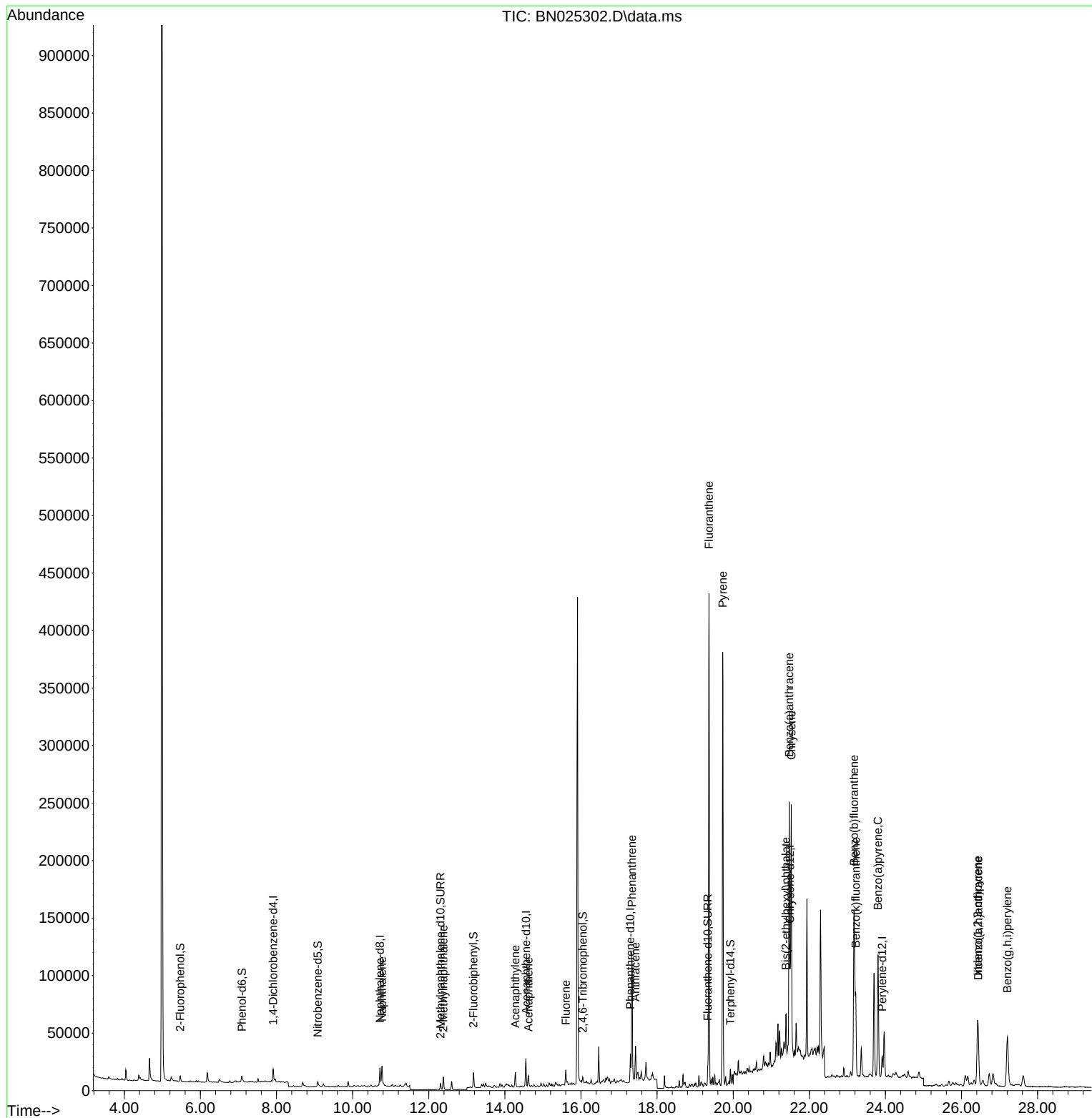
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
Data File : BN025302.D
Acq On : 06 May 2023 05:49
Operator : CG/JU
Sample : 02588-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

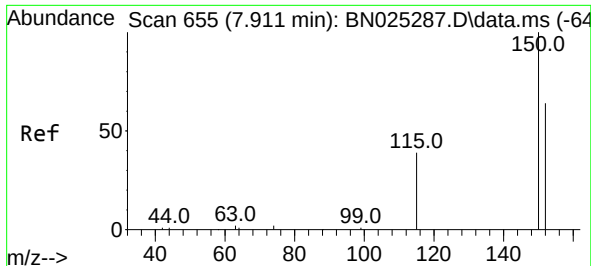
Instrument :
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ZONE-B-3-6-05012023

Quant Time: May 08 03:20:35 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 08 02:37:05 2023
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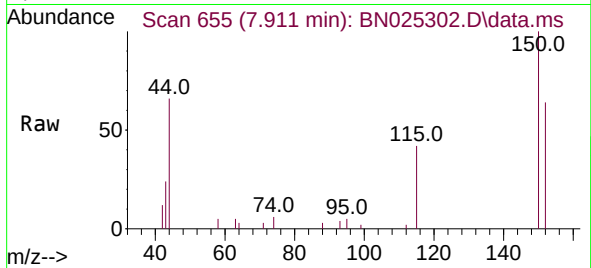
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.911 min Scan# 655
Delta R.T. 0.000 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

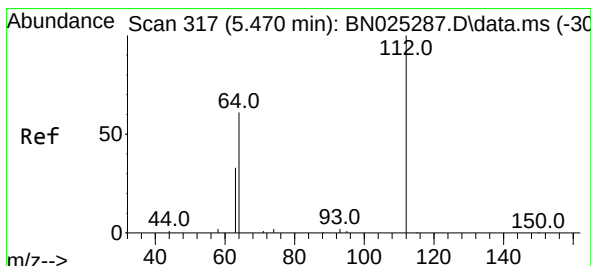
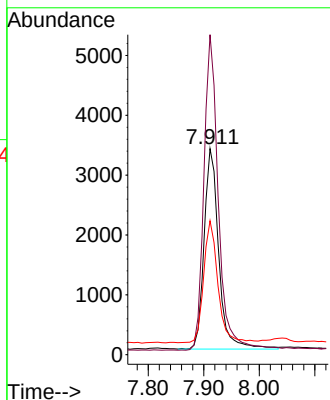
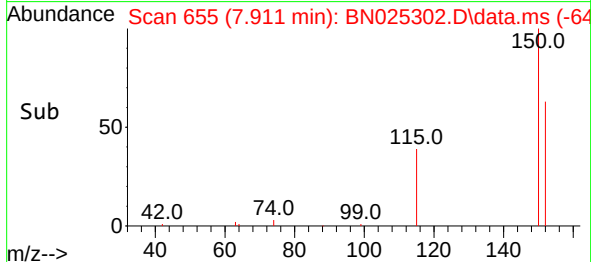
Instrument :
BNA_N
ClientSampleId :
ZONE-B-3-6-05012023



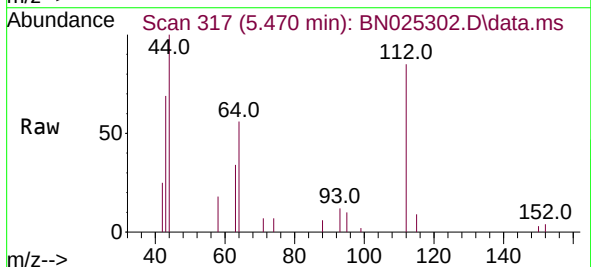
Tgt Ion:152 Resp: 618
Ion Ratio Lower Upper
152 100
150 155.2 123.8 185.8
115 64.9 52.9 79.3

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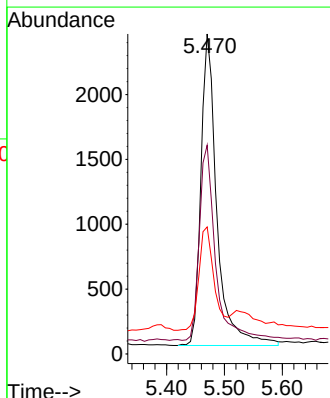
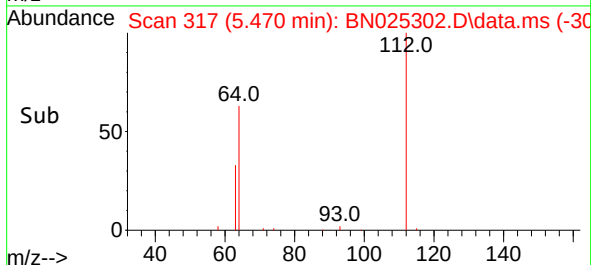
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

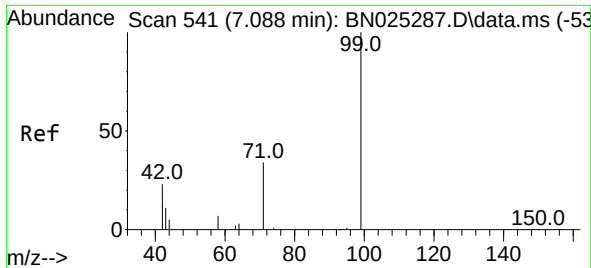


#4
2-Fluorophenol
Concen: 0.307 ng
RT: 5.470 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49



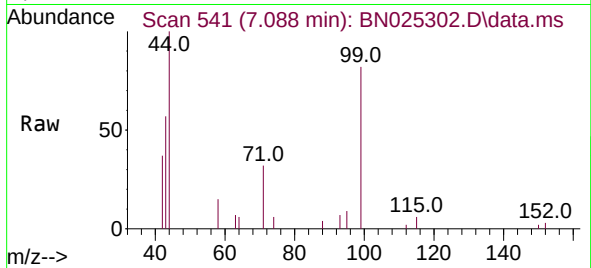
Tgt Ion:112 Resp: 4619
Ion Ratio Lower Upper
112 100
64 63.8 51.5 77.3
63 31.7 27.8 41.6





#5
Phenol-d6
Concen: 0.324 ng
RT: 7.088 min Scan# 541
Delta R.T. 0.000 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

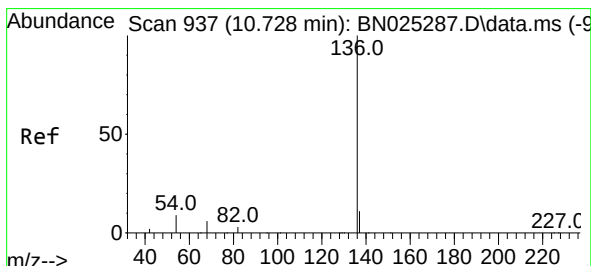
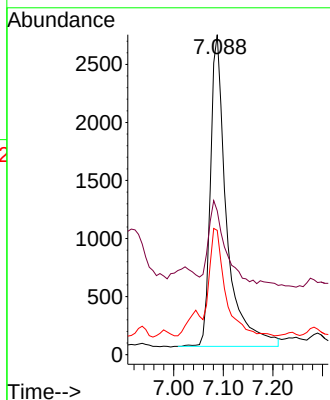
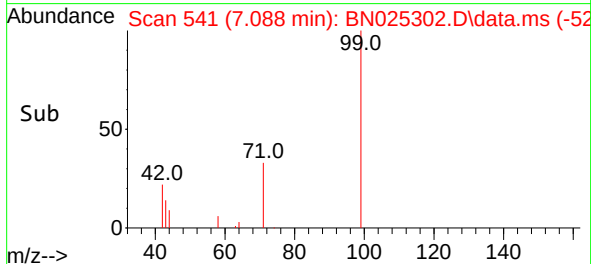
Instrument :
BNA_N
ClientSampleId :
ZONE-B-3-6-05012023



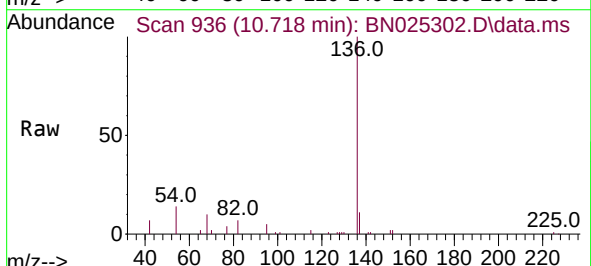
Tgt Ion: 99 Resp: 6114
Ion Ratio Lower Upper
99 100
42 26.5 22.0 33.0
71 33.8 28.7 43.1

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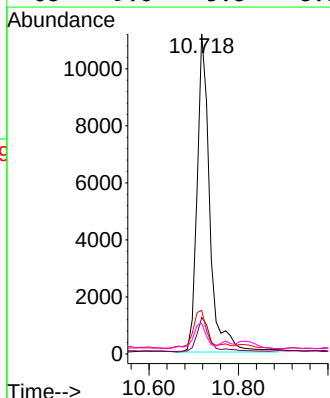
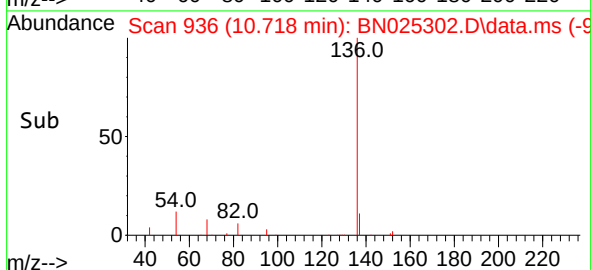
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

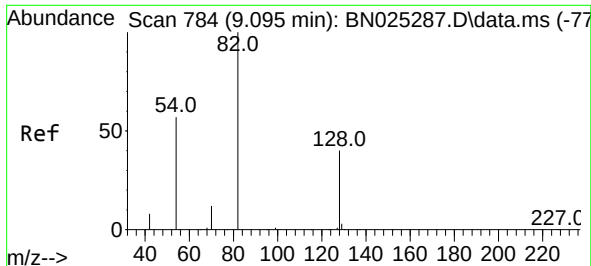


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49



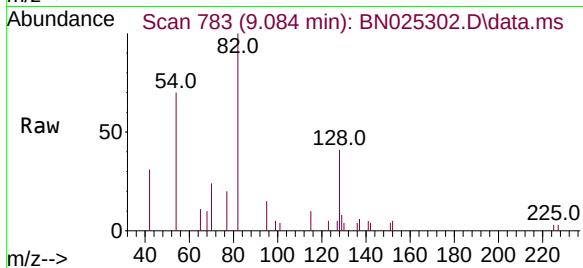
Tgt Ion:136 Resp: 21982
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.2
54 13.6 8.5 12.7#
68 9.6 5.8 8.8#





#8
Nitrobenzene-d5
Concen: 0.230 ng
RT: 9.084 min Scan# 784
Delta R.T. -0.011 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

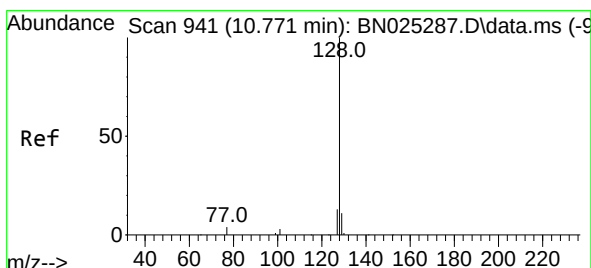
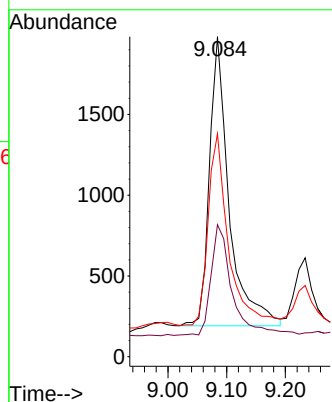
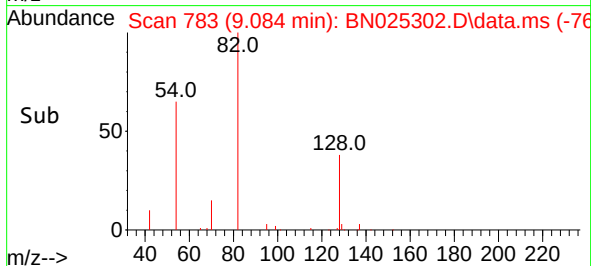
Instrument :
BNA_N
ClientSampleId :
ZONE-B-3-6-05012023



Tgt Ion: 82 Resp: 4162
Ion Ratio Lower Upper
82 100
128 41.2 35.3 52.9
54 69.7 48.7 73.1

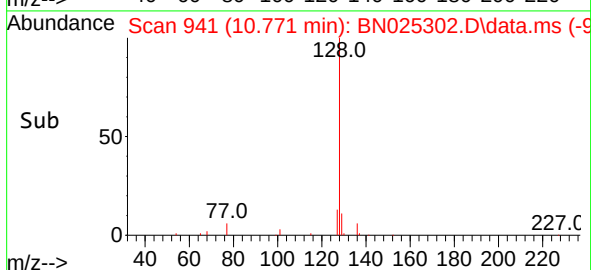
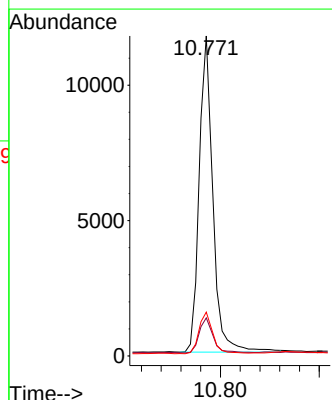
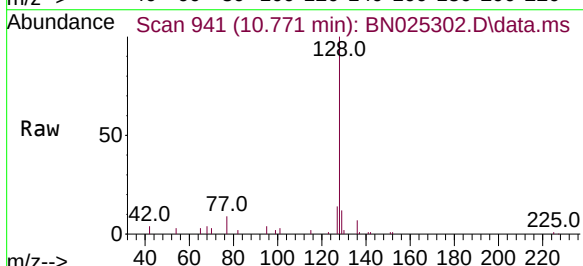
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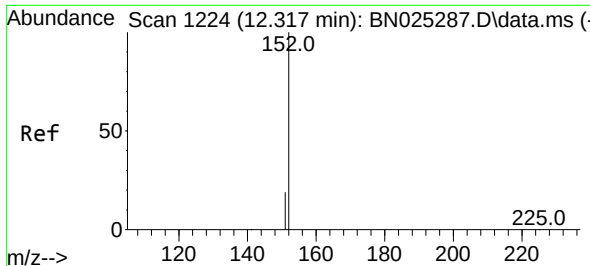
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#9
Naphthalene
Concen: 0.399 ng
RT: 10.771 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

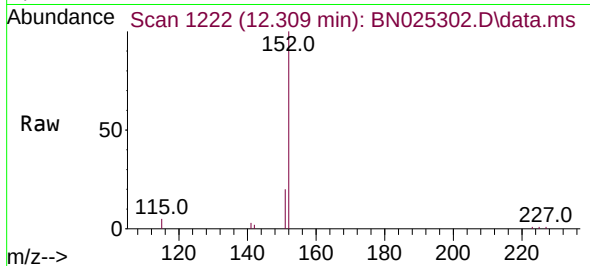
Tgt Ion:128 Resp: 22506
Ion Ratio Lower Upper
128 100
129 11.9 9.4 14.2
127 13.7 11.0 16.6





#11
2-Methylnaphthalene-d10
Concen: 0.273 ng
RT: 12.309 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

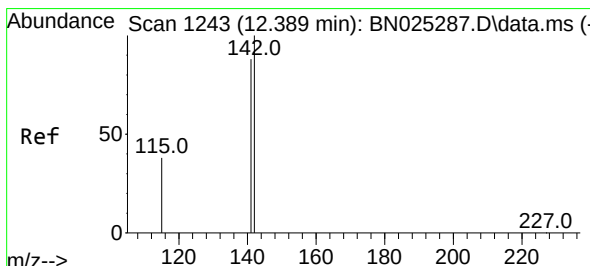
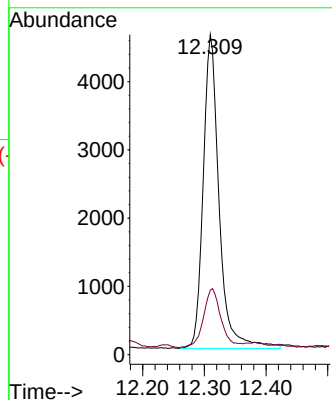
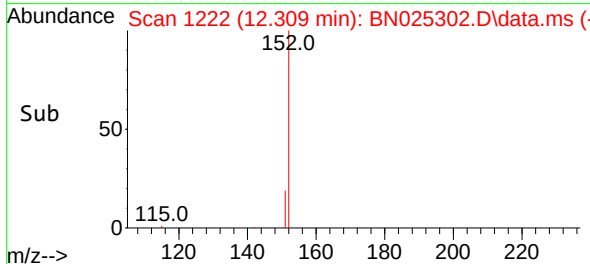
Instrument :
BNA_N
ClientSampleId :
ZONE-B-3-6-05012023



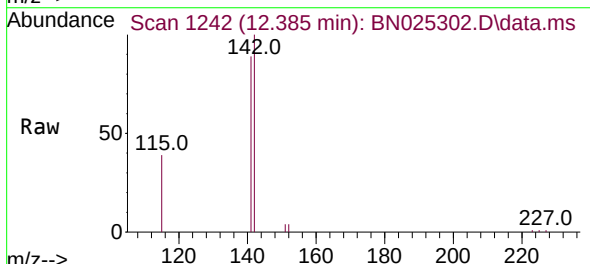
Tgt Ion:152 Resp: 821
Ion Ratio Lower Upper
152 100
151 20.9 16.4 24.6

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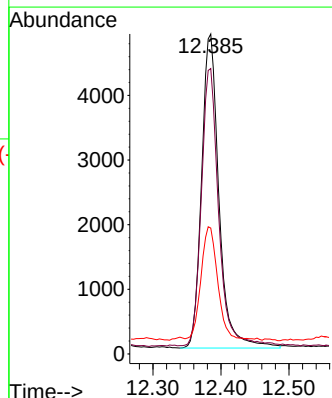
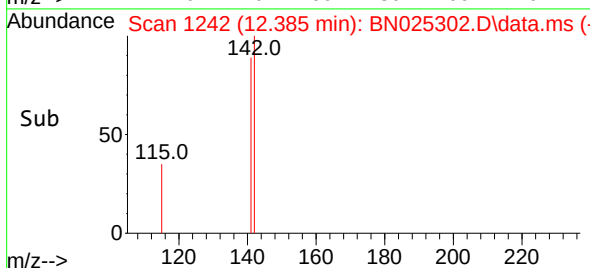
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

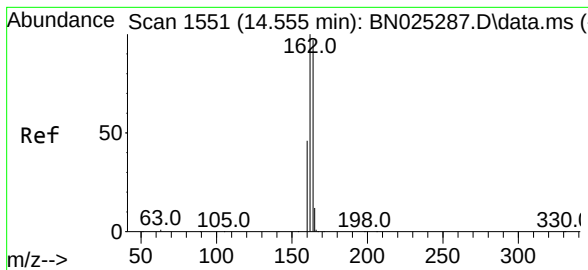


#12
2-Methylnaphthalene
Concen: 0.217 ng
RT: 12.385 min Scan# 1242
Delta R.T. -0.004 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49



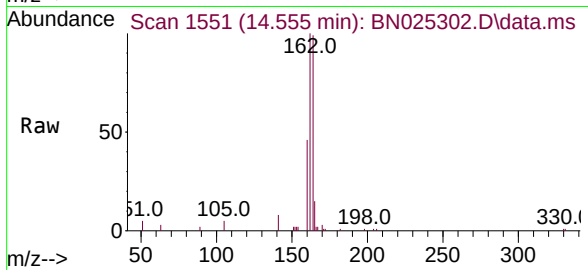
Tgt Ion:142 Resp: 8661
Ion Ratio Lower Upper
142 100
141 89.2 70.5 105.7
115 39.3 31.6 47.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 1551
Delta R.T. 0.000 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

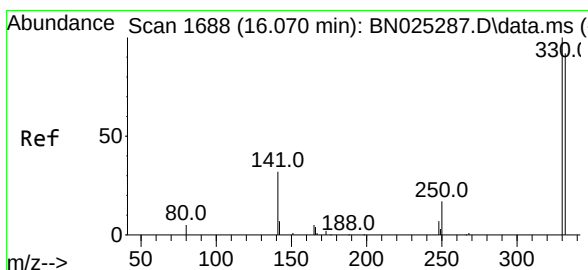
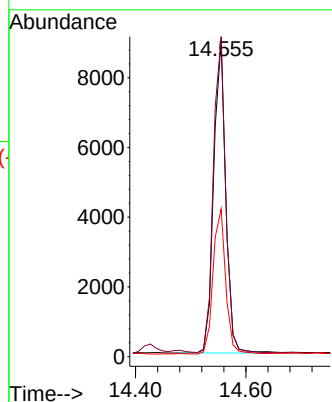
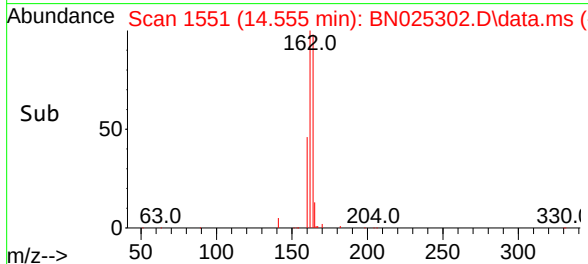
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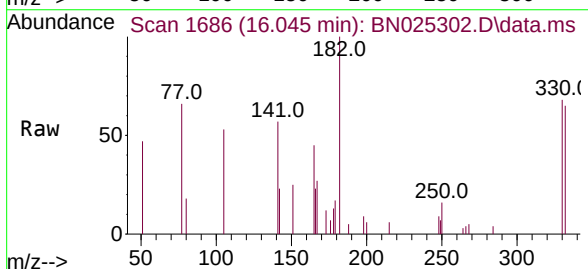
Tgt Ion:164 Resp: 13650
Ion Ratio Lower Upper
164 100
162 101.2 82.1 123.1
160 46.7 38.3 57.5

Manual Integrations
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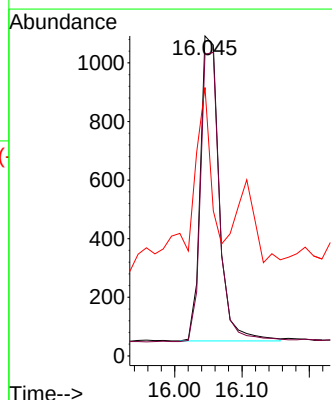
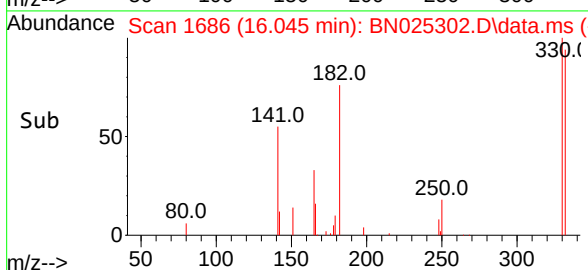
Reviewed By :Christian Giraldo 05/08/2023
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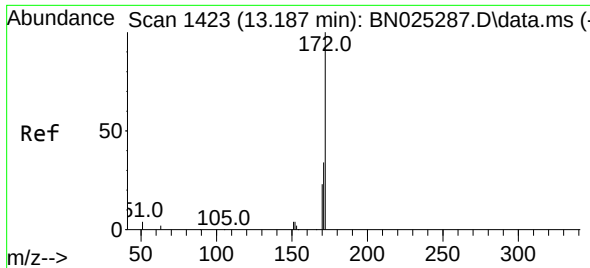


#14
2,4,6-Tribromophenol
Concen: 0.291 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.025 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49



Tgt Ion:330 Resp: 2032
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.0
141 36.7 28.9 43.3





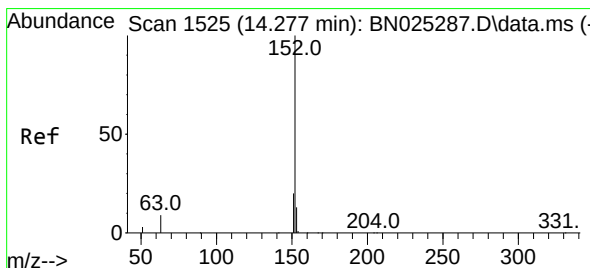
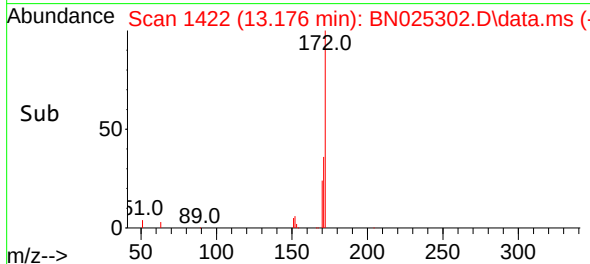
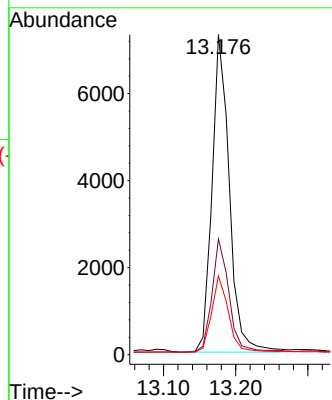
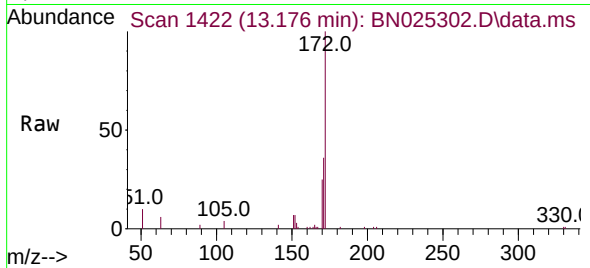
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2-Fluorobiphenyl
Concen: 0.259 ng
RT: 13.176 min Scan# 1423
Delta R.T. -0.011 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

Instrument :
BNA_N
ClientSampleId :
ZONE-B-3-6-05012023

Tgt Ion:172 Resp: 1214
Ion Ratio Lower Upper
172 100
171 36.2 27.9 41.9
170 24.6 19.0 28.4

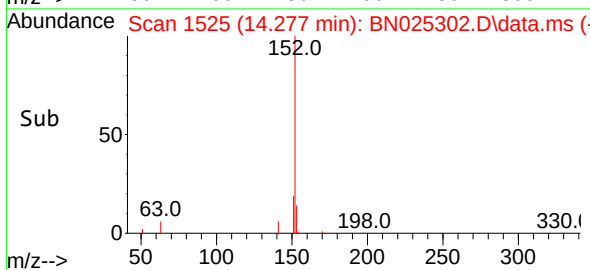
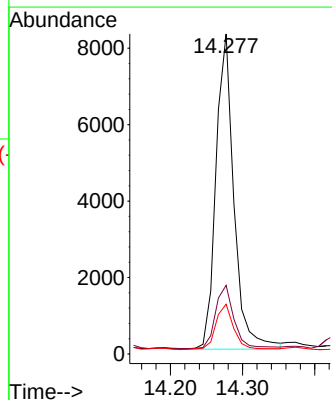
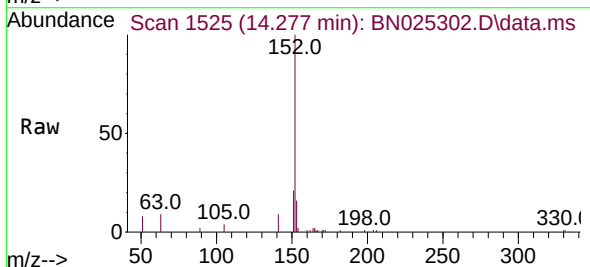
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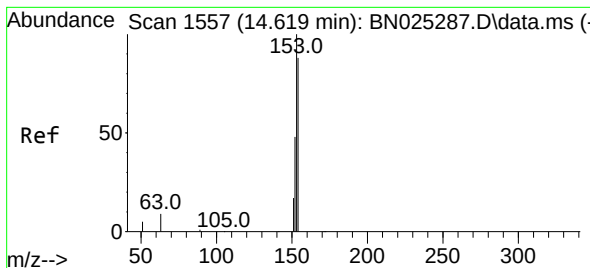
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#16
Acenaphthylene
Concen: 0.235 ng
RT: 14.277 min Scan# 1525
Delta R.T. 0.000 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

Tgt Ion:152 Resp: 14338
Ion Ratio Lower Upper
152 100
151 20.7 16.1 24.1
153 14.5 10.3 15.5





#17

Acenaphthene

Concen: 0.124 ng

RT: 14.619 min Scan# 1557

Delta R.T. 0.000 min

Lab File: BN025302.D

Acq: 06 May 2023 05:49

Instrument :

BNA_N

ClientSampleId :

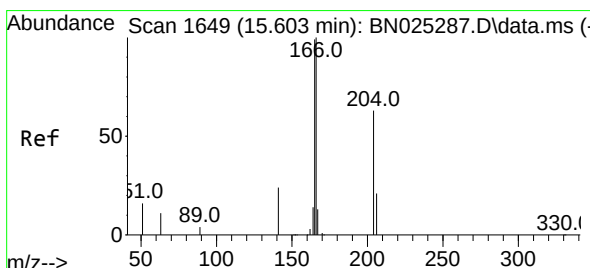
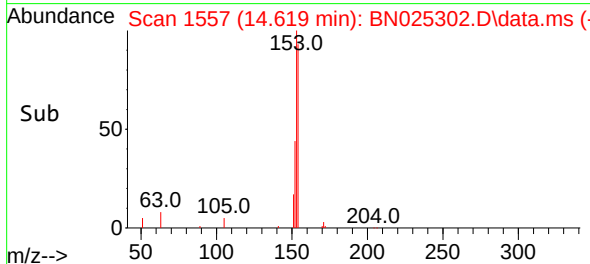
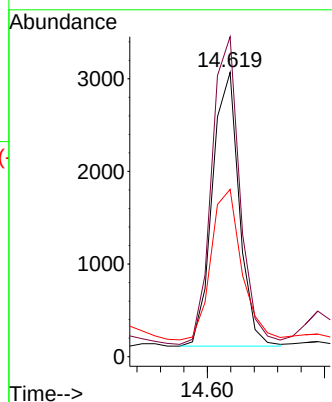
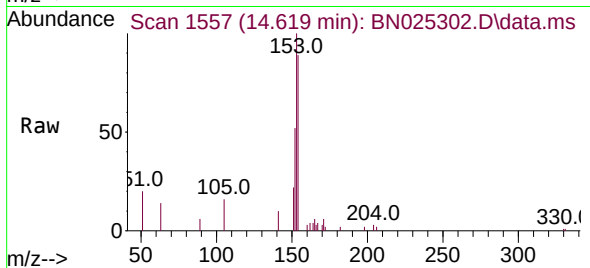
ZONE-B-3-6-05012023

Tgt Ion:	154	Resp:	471
Ion	Ratio	Lower	Upper
154	100		
153	117.5	91.3	136.9
152	62.3	44.7	67.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/08/2023
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#18

Fluorene

Concen: 0.164 ng

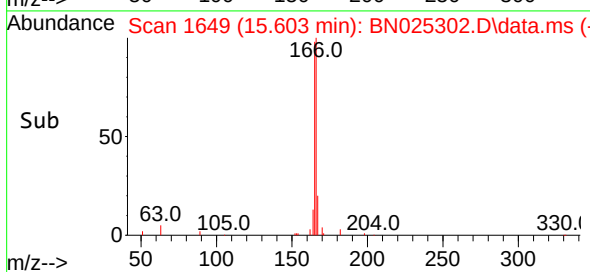
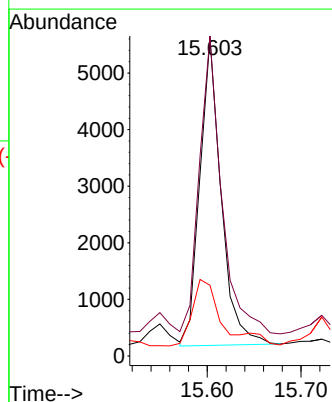
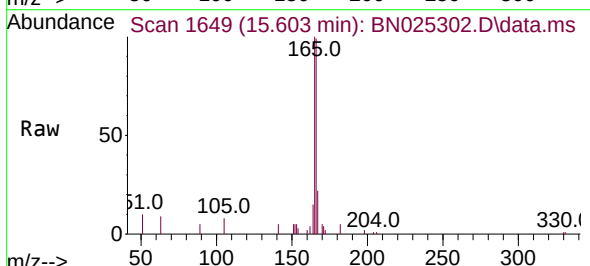
RT: 15.603 min Scan# 1649

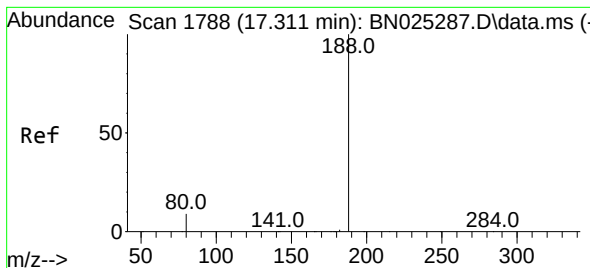
Delta R.T. 0.000 min

Lab File: BN025302.D

Acq: 06 May 2023 05:49

Tgt Ion:	166	Resp:	8563
Ion	Ratio	Lower	Upper
166	100		
165	101.4	79.0	118.4
167	30.4	10.3	15.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.299 min Scan# 1788

Delta R.T. -0.012 min

Lab File: BN025302.D

Acq: 06 May 2023 05:49

Instrument :

BNA_N

ClientSampleId :

ZONE-B-3-6-05012023

Tgt Ion:188 Resp: 3085

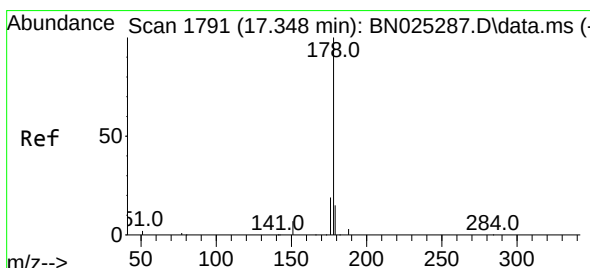
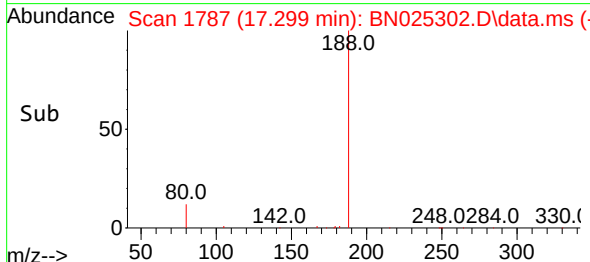
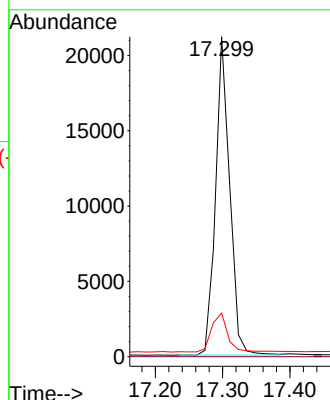
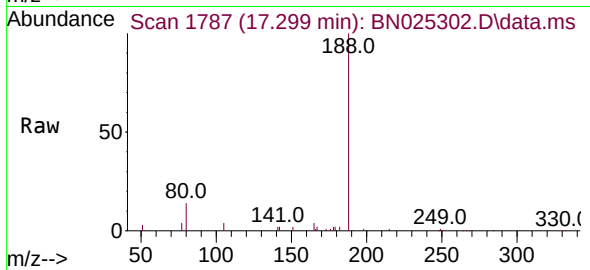
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.7	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#25

Phenanthrene

Concen: 1.497 ng

RT: 17.336 min Scan# 1790

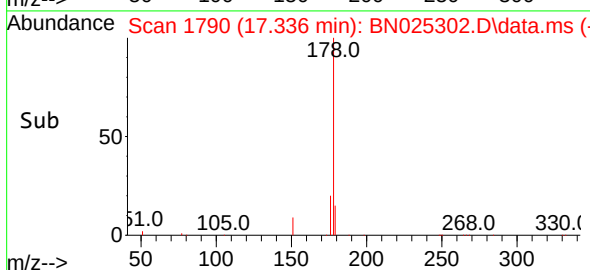
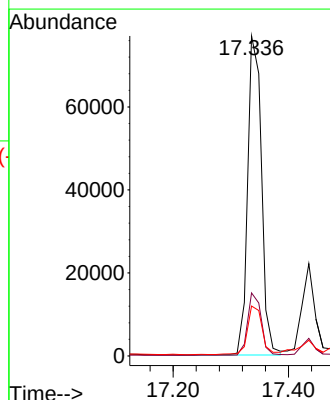
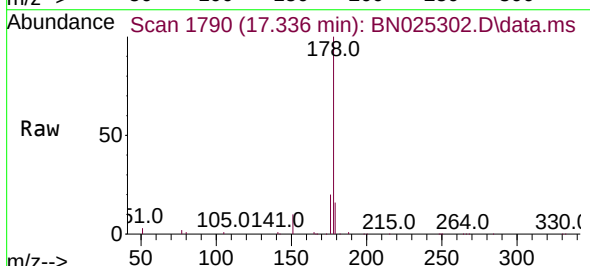
Delta R.T. -0.012 min

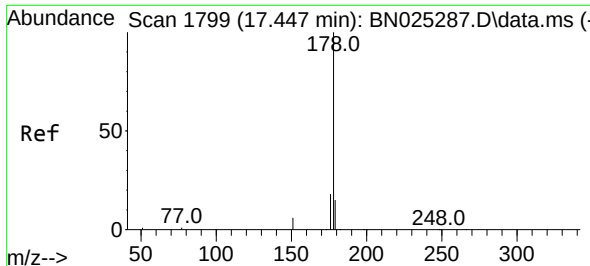
Lab File: BN025302.D

Acq: 06 May 2023 05:49

Tgt Ion:178 Resp: 127808

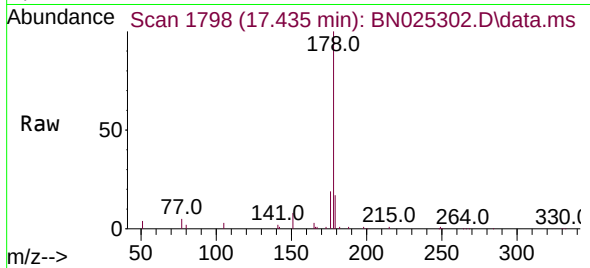
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	16.3	12.4	18.6





#26
 Anthracene
 Concen: 0.390 ng
 RT: 17.435 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN025302.D
 Acq: 06 May 2023 05:49

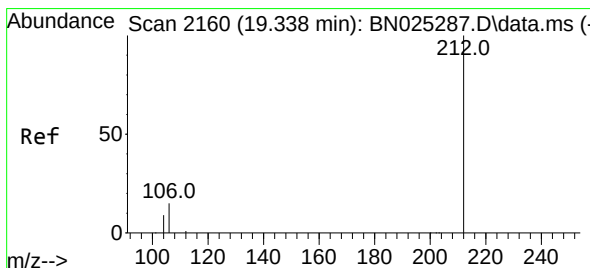
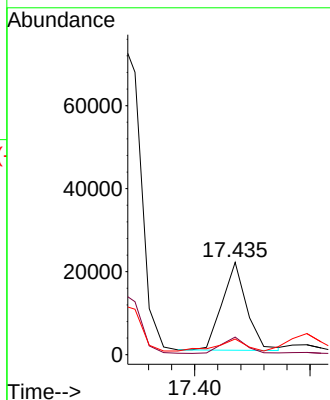
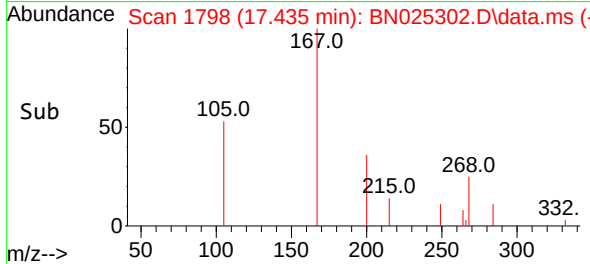
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-3-6-05012023



Tgt Ion:178 Resp: 31194
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.9 22.3
 179 15.3 12.0 18.0

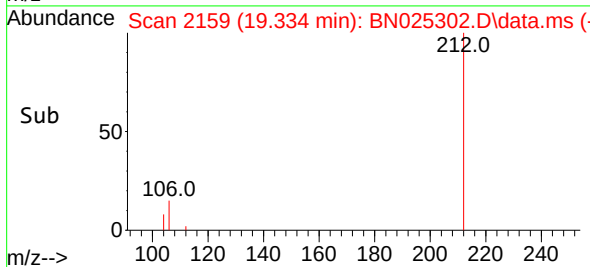
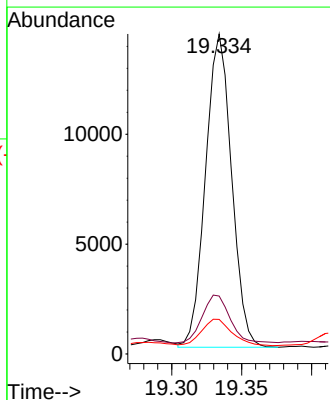
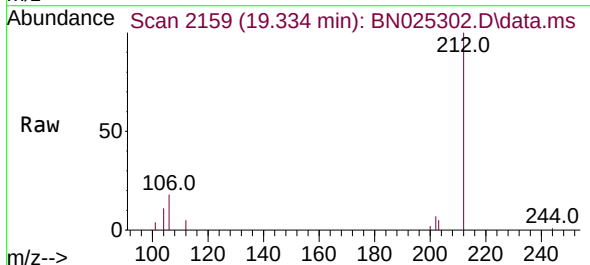
Manual Integrations
 APPROVED

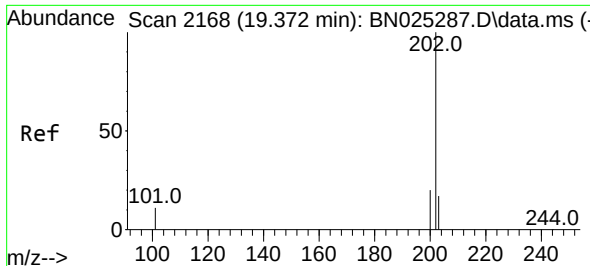
Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



#27
 Fluoranthene-d10
 Concen: 0.243 ng
 RT: 19.334 min Scan# 2159
 Delta R.T. -0.004 min
 Lab File: BN025302.D
 Acq: 06 May 2023 05:49

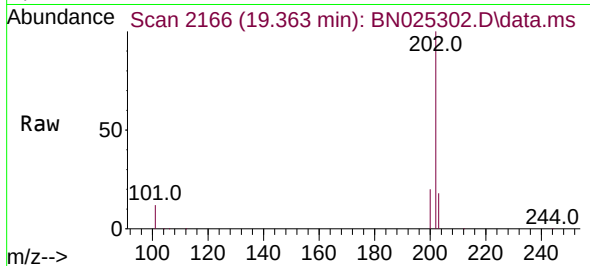
Tgt Ion:212 Resp: 18511
 Ion Ratio Lower Upper
 212 100
 106 16.3 12.6 19.0
 104 10.0 7.0 10.6





#28
Fluoranthene
Concen: 3.427 ng
RT: 19.363 min Scan# 2166
Delta R.T. -0.008 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

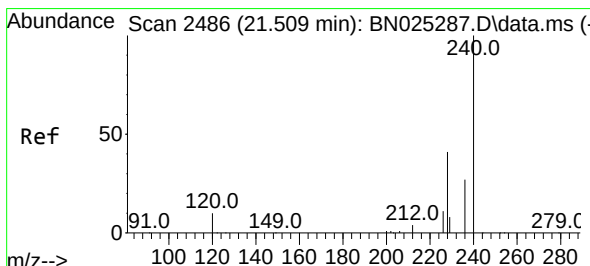
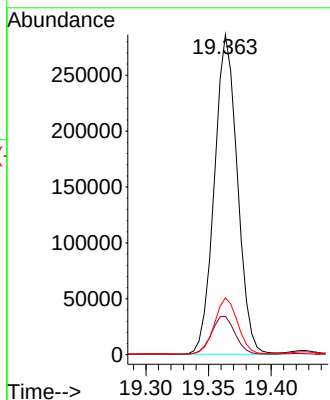
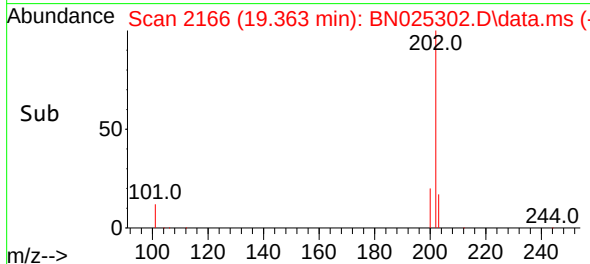
Instrument :
BNA_N
ClientSampleId :
ZONE-B-3-6-05012023



Tgt Ion:202 Resp: 365610
Ion Ratio Lower Upper
202 100
101 12.3 9.8 14.8
203 17.6 13.5 20.3

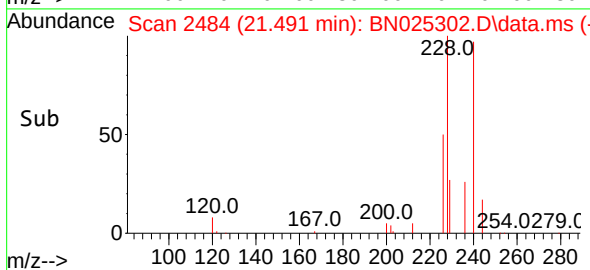
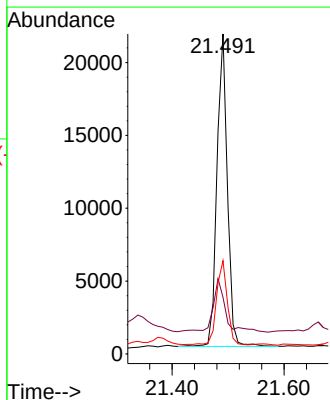
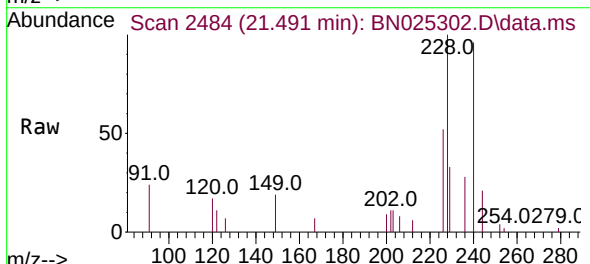
Manual Integrations
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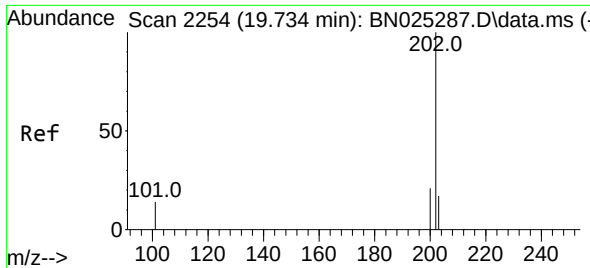
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.491 min Scan# 2484
Delta R.T. -0.018 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

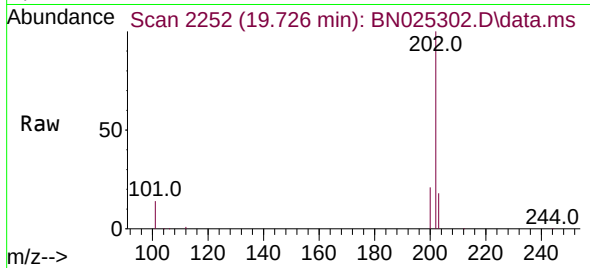
Tgt Ion:240 Resp: 27746
Ion Ratio Lower Upper
240 100
120 17.7 10.3 15.5#
236 29.1 22.3 33.5





#30
 Pyrene
 Concen: 3.505 ng
 RT: 19.726 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BN025302.D
 Acq: 06 May 2023 05:49

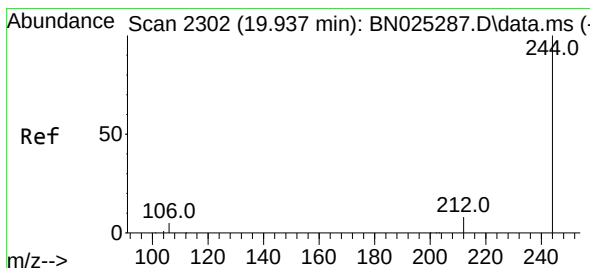
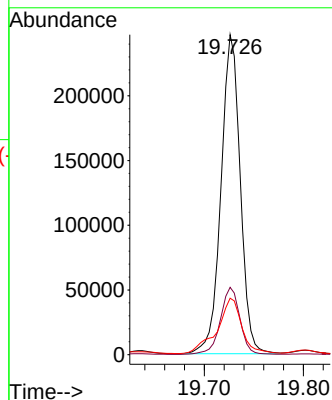
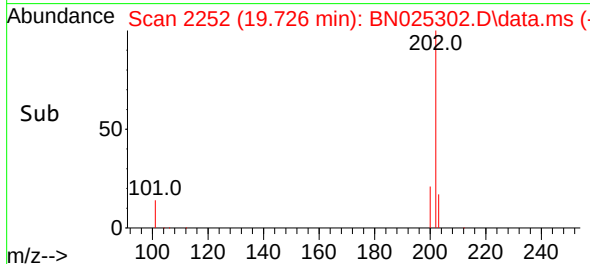
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-3-6-05012023



Tgt Ion:202 Resp: 332469
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.8 25.2
 203 22.0 14.4 21.6

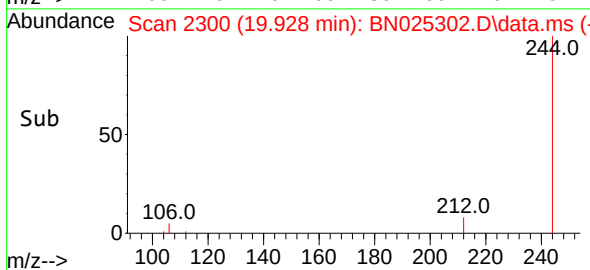
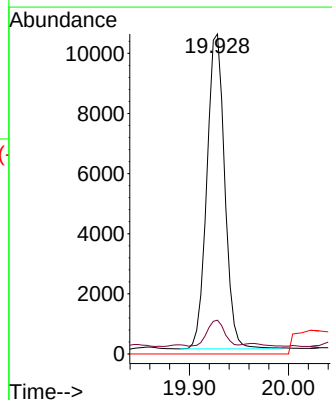
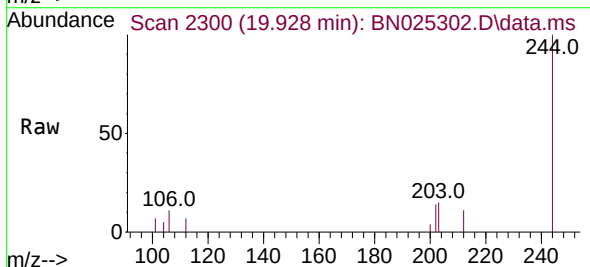
Manual Integrations
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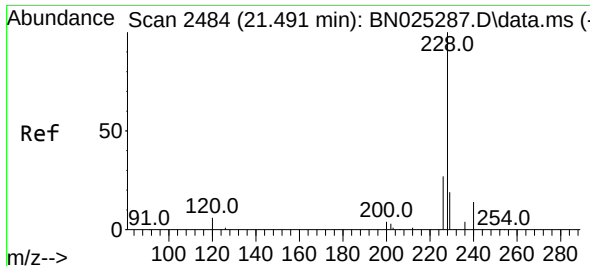
Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



#31
 Terphenyl-d14
 Concen: 0.235 ng
 RT: 19.928 min Scan# 2300
 Delta R.T. -0.008 min
 Lab File: BN025302.D
 Acq: 06 May 2023 05:49

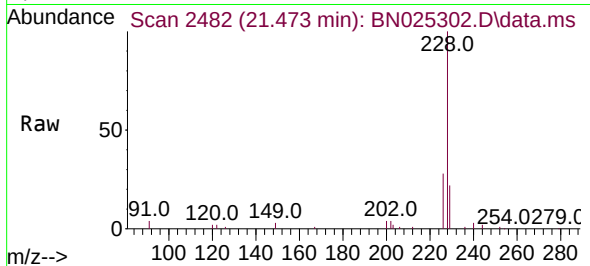
Tgt Ion:244 Resp: 13123
 Ion Ratio Lower Upper
 244 100
 212 10.5 7.1 10.7
 122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.911 ng
RT: 21.473 min Scan# 2482
Delta R.T. -0.018 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

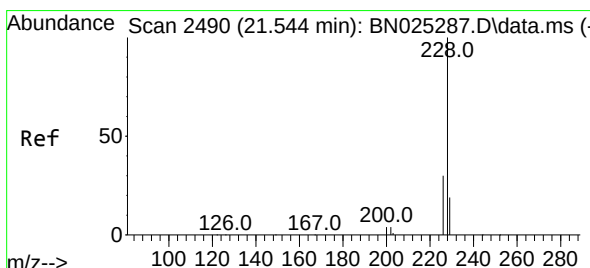
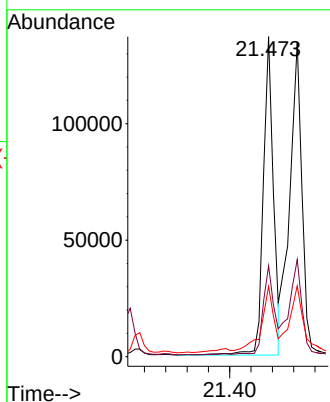
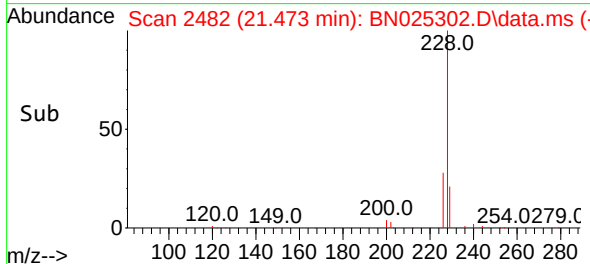
Instrument :
BNA_N
ClientSampleId :
ZONE-B-3-6-05012023



Tgt Ion:228 Resp: 179198
Ion Ratio Lower Upper
228 100
226 28.4 22.5 33.7
229 21.9 16.2 24.2

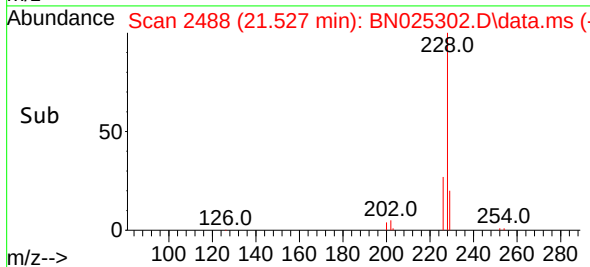
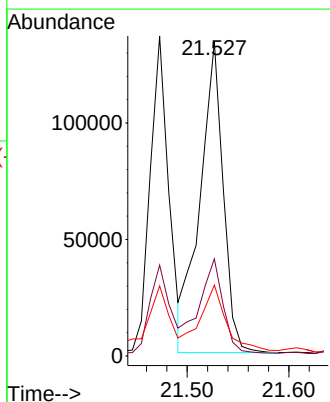
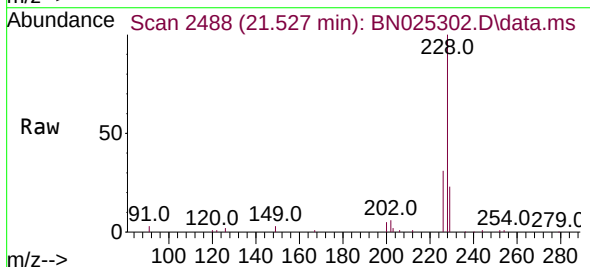
Manual Integrations
APPROVED

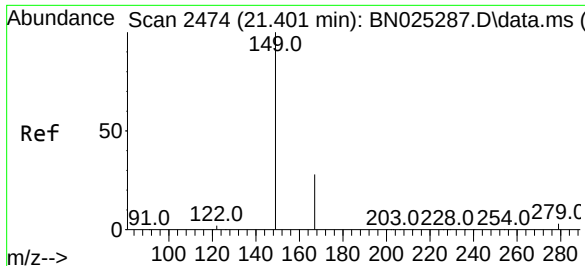
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#33
Chrysene
Concen: 2.268 ng
RT: 21.527 min Scan# 2488
Delta R.T. -0.018 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

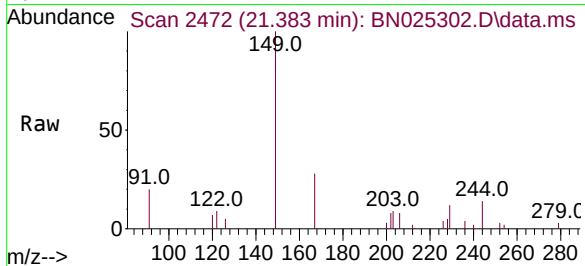
Tgt Ion:228 Resp: 211755
Ion Ratio Lower Upper
228 100
226 30.9 24.6 36.8
229 22.6 16.2 24.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.482 ng
RT: 21.383 min Scan# 2472
Delta R.T. -0.018 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

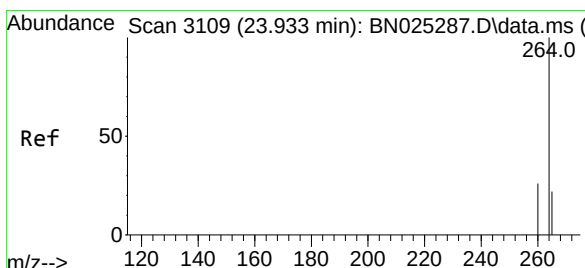
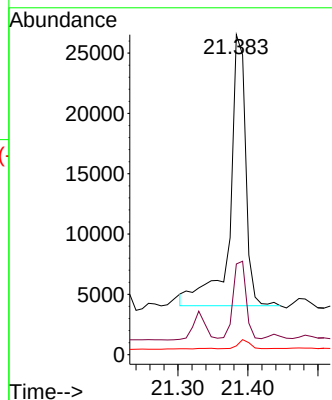
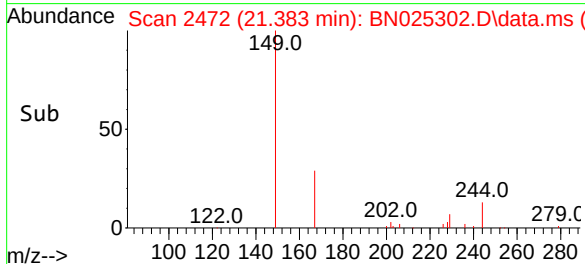
Instrument :
BNA_N
ClientSampleId :
ZONE-B-3-6-05012023



Tgt Ion:149 Resp: 3549
Ion Ratio Lower Upper
149 100
167 23.1 22.2 33.4
279 2.5 2.6 4.0

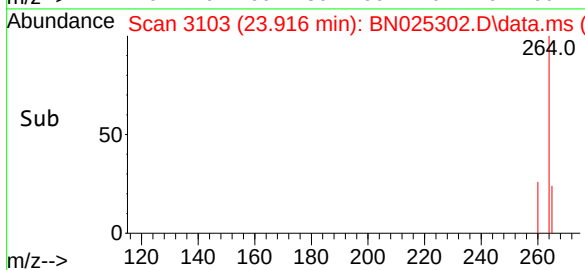
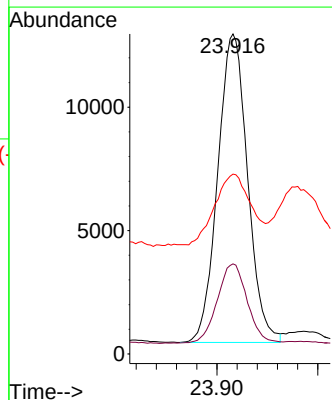
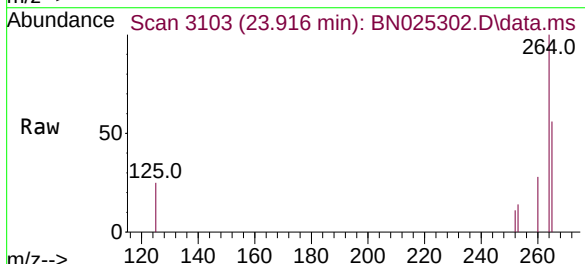
Manual Integrations
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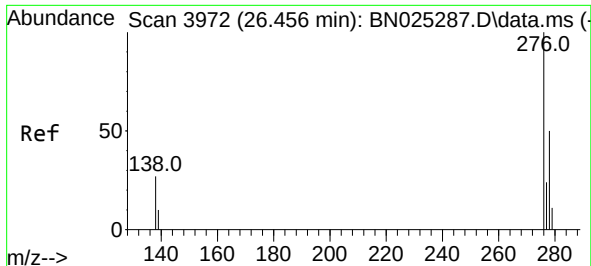
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.916 min Scan# 3103
Delta R.T. -0.017 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

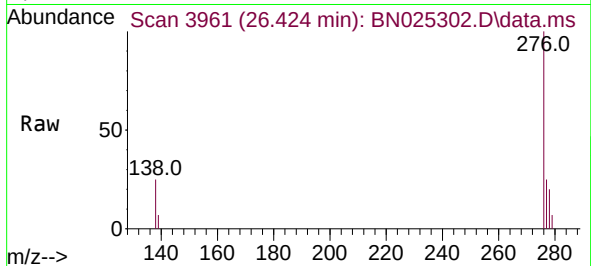
Tgt Ion:264 Resp: 25690
Ion Ratio Lower Upper
264 100
260 28.2 21.5 32.3
265 56.2 46.2 69.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.955 ng
RT: 26.424 min Scan# 3972
Delta R.T. -0.032 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

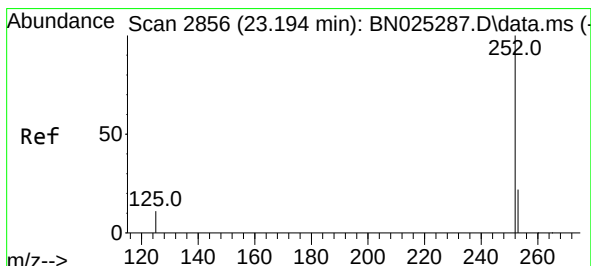
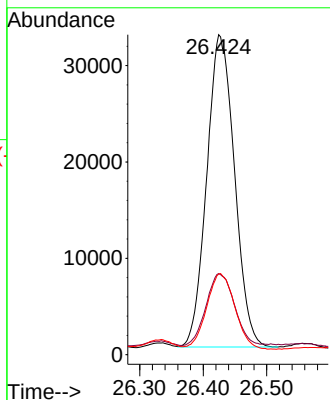
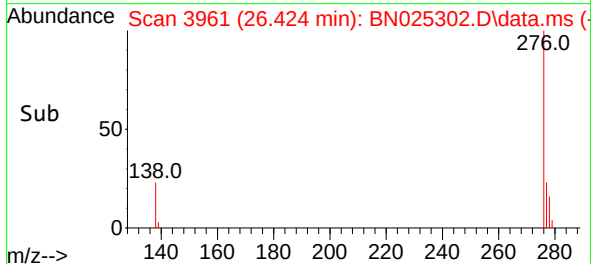
Instrument :
BNA_N
ClientSampleId :
ZONE-B-3-6-05012023



Tgt Ion:276 Resp: 98358
Ion Ratio Lower Upper
276 100
138 23.4 22.5 33.7
277 24.6 19.8 29.6

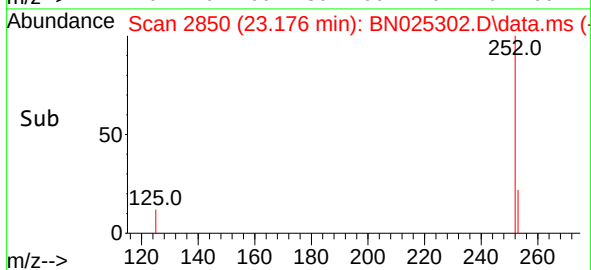
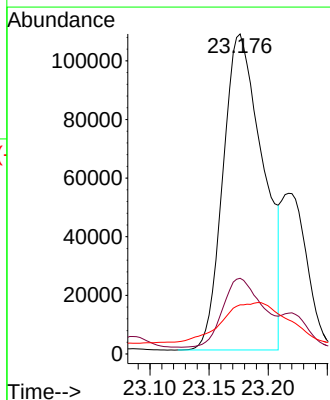
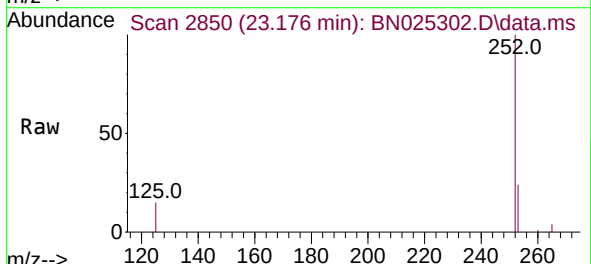
Manual Integrations
APPROVED

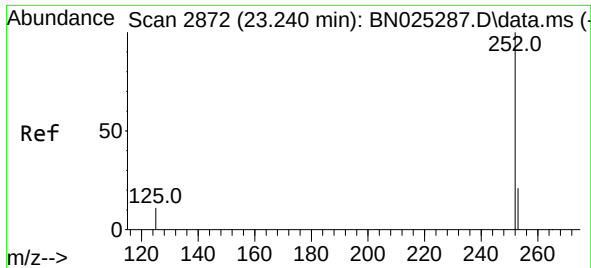
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#37
Benzo(b)fluoranthene
Concen: 3.116 ng
RT: 23.176 min Scan# 2850
Delta R.T. -0.017 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

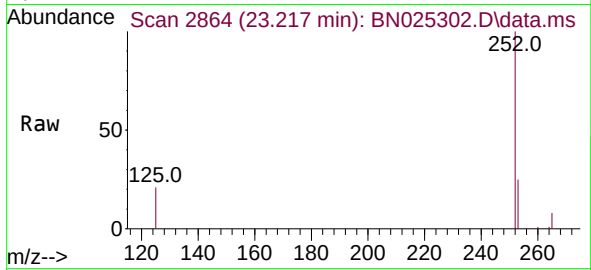
Tgt Ion:252 Resp: 253779
Ion Ratio Lower Upper
252 100
253 23.7 20.8 31.2
125 15.4 13.4 20.2





#38
Benzo(k)fluoranthene
Concen: 0.954 ng m
RT: 23.217 min Scan# 21
Delta R.T. -0.023 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

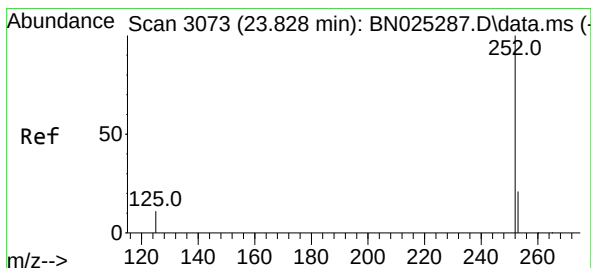
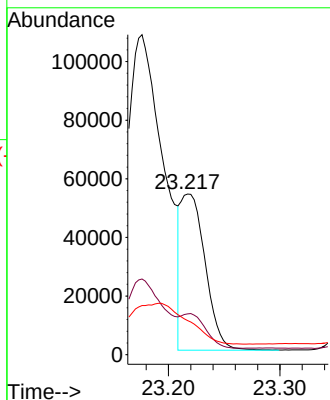
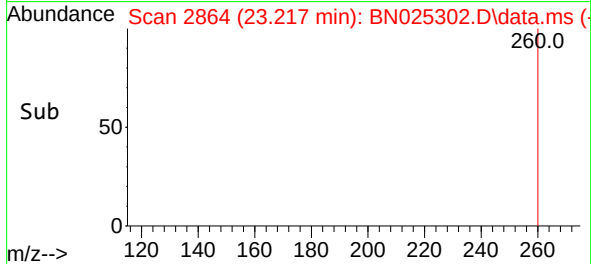
Instrument :
BNA_N
ClientSampleId :
ZONE-B-3-6-05012023



Tgt Ion:252 Resp: 8136
Ion Ratio Lower Upper
252 100
253 25.4 20.6 30.8
125 21.3 13.1 19.7

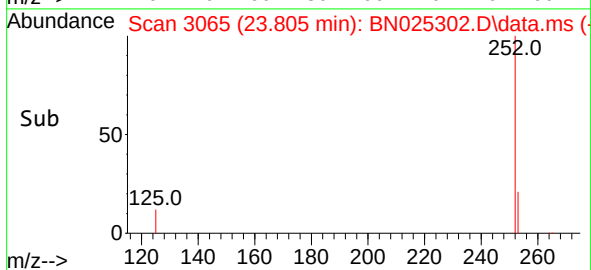
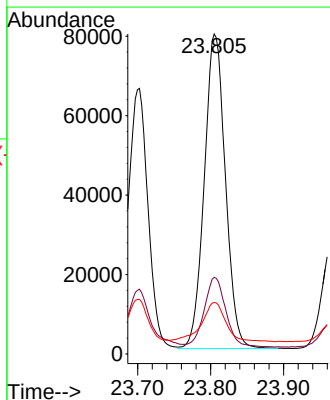
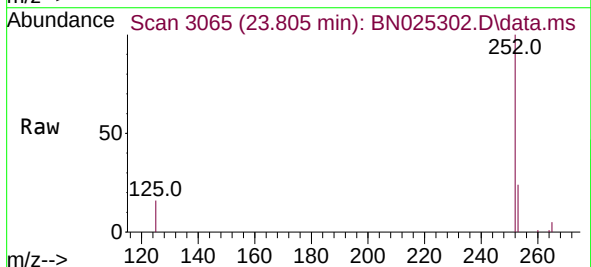
Manual Integrations
APPROVED

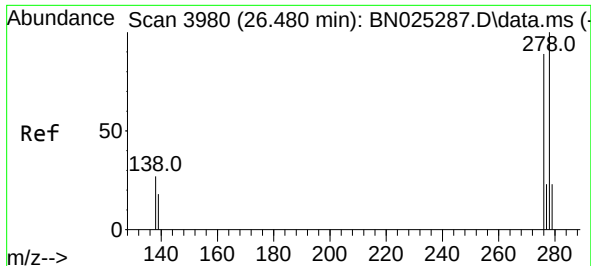
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#39
Benzo(a)pyrene
Concen: 1.912 ng
RT: 23.805 min Scan# 3065
Delta R.T. -0.023 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

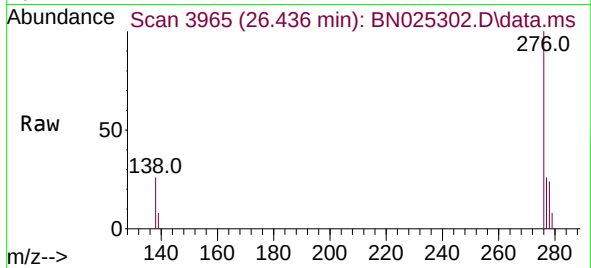
Tgt Ion:252 Resp: 159487
Ion Ratio Lower Upper
252 100
253 23.9 21.4 32.0
125 16.1 15.4 23.2





#40
Dibenzo(a,h)anthracene
Concen: 0.300 ng
RT: 26.436 min Scan# 3980
Delta R.T. -0.044 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

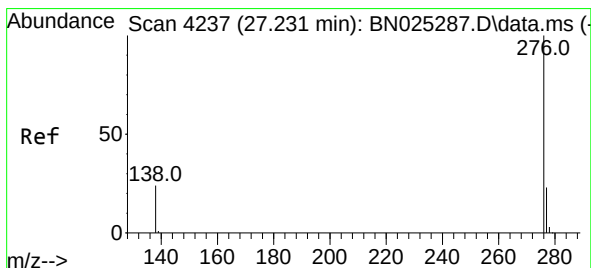
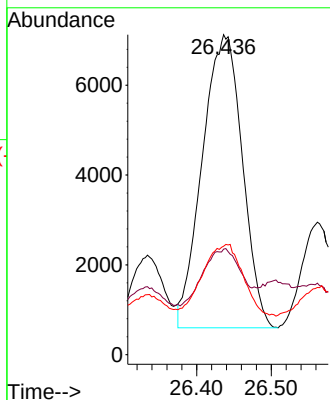
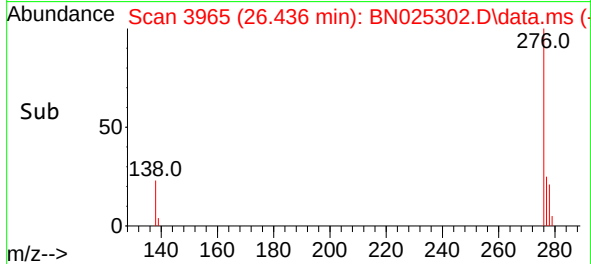
Instrument :
BNA_N
ClientSampleId :
ZONE-B-3-6-05012023



Tgt Ion:278 Resp: 24372
Ion Ratio Lower Upper
278 100
139 33.0 17.6 26.4
279 33.9 21.6 32.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#41
Benzo(g,h,i)perylene
Concen: 1.083 ng
RT: 27.205 min Scan# 4228
Delta R.T. -0.026 min
Lab File: BN025302.D
Acq: 06 May 2023 05:49

Tgt Ion:276 Resp: 96729
Ion Ratio Lower Upper
276 100
277 24.9 20.1 30.1
138 26.4 21.0 31.6

