

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
 Data File : BN025301.D
 Acq On : 06 May 2023 05:13
 Operator : CG/JU
 Sample : 02588-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-C-0-3-05012023

Quant Time: May 08 03:20:14 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	5571	0.400	ng	0.00
7) Naphthalene-d8	10.728	136	18896	0.400	ng	0.00
13) Acenaphthene-d10	14.555	164	12252	0.400	ng	0.00
19) Phenanthrene-d10	17.298	188	28689	0.400	ng	#-0.01
29) Chrysene-d12	21.495	240	27816	0.400	ng	#-0.01
35) Perylene-d12	23.938	264	28110	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.470	112	4176	0.308	ng	0.00
5) Phenol-d6	7.095	99	5030	0.296	ng	0.00
8) Nitrobenzene-d5	9.095	82	3709	0.239	ng	0.00
11) 2-Methylnaphthalene-d10	12.313	152	7184	0.278	ng	0.00
14) 2,4,6-Tribromophenol	16.057	330	1964	0.314	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	10778	0.257	ng	-0.01
27) Fluoranthene-d10	19.334	212	17767	0.250	ng	0.00
31) Terphenyl-d14	19.928	244	14598	0.260	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.771	128	10246	0.211	ng	98
12) 2-Methylnaphthalene	12.385	142	4536	0.132	ng	98
16) Acenaphthylene	14.277	152	18458	0.336	ng	99
17) Acenaphthene	14.619	154	5590	0.164	ng	98
18) Fluorene	15.603	166	9189	0.197	ng	# 96
25) Phenanthrene	17.348	178	191279	2.410	ng	100
26) Anthracene	17.435	178	38197	0.514	ng	99
28) Fluoranthene	19.367	202	561692	5.663	ng	99
30) Pyrene	19.730	202	504791	5.308	ng	96
32) Benzo(a)anthracene	21.486	228	277930	2.956	ng	99
33) Chrysene	21.531	228	306862	3.279	ng	98
34) Bis(2-ethylhexyl)phtha...	21.396	149	29652	0.402	ng	99
36) Indeno(1,2,3-cd)pyrene	26.478	276	170593	1.514	ng	95
37) Benzo(b)fluoranthene	23.195	252	429735	4.823	ng	93
38) Benzo(k)fluoranthene	23.233	252	152207m	1.632	ng	
39) Benzo(a)pyrene	23.832	252	281253m	3.081	ng	
40) Dibenzo(a,h)anthracene	26.487	278	40668	0.457	ng	# 91
41) Benzo(g,h,i)perylene	27.268	276	165354	1.692	ng	99

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

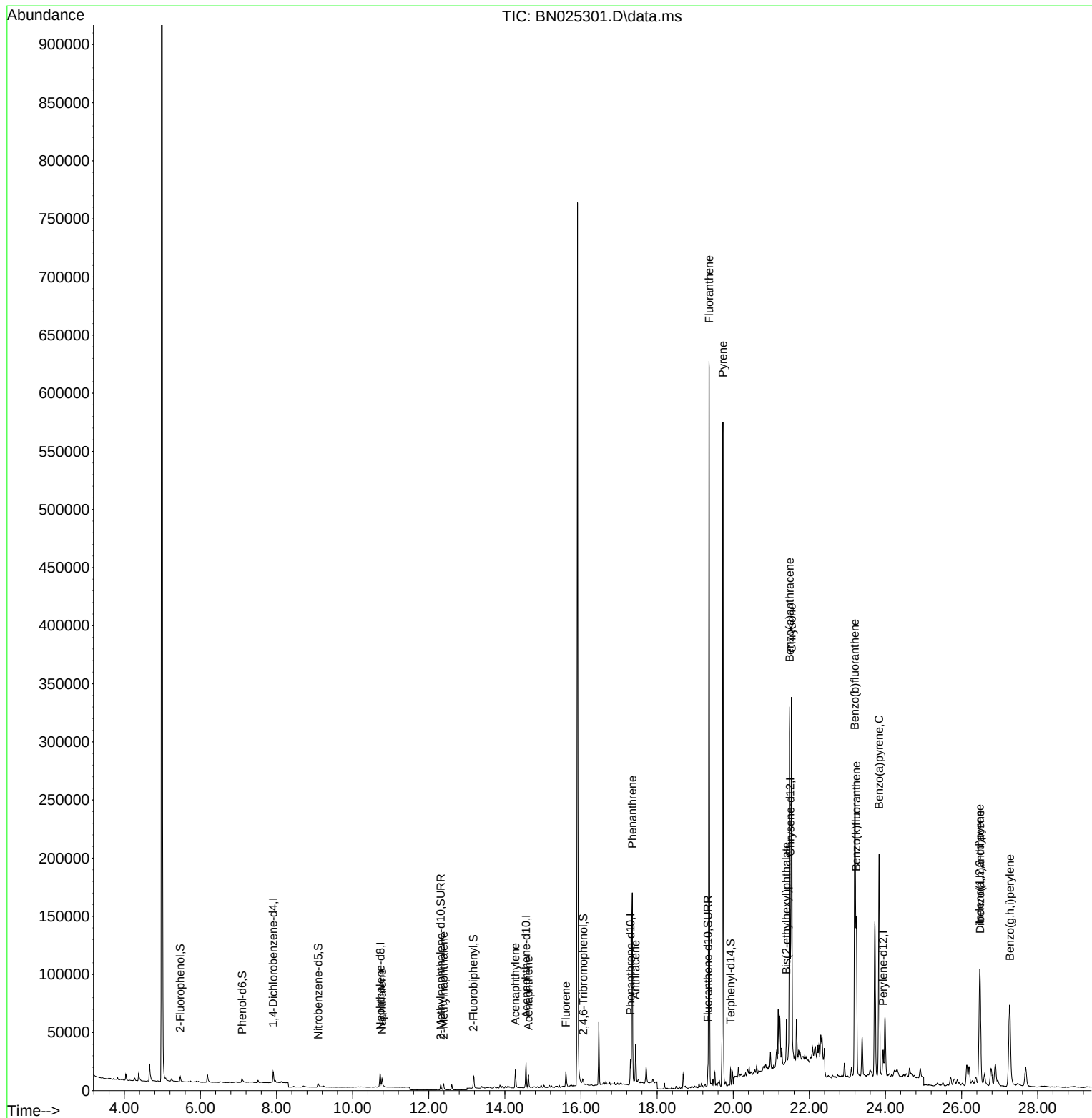
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
Data File : BN025301.D
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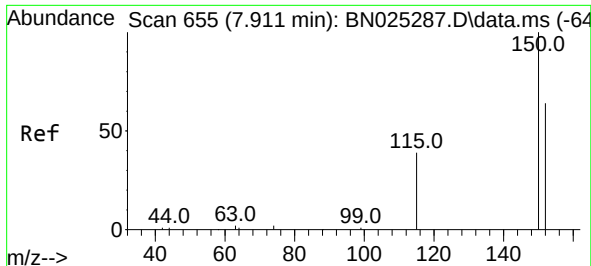
Instrument :
BNA_N
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ZONE-C-0-3-05012023

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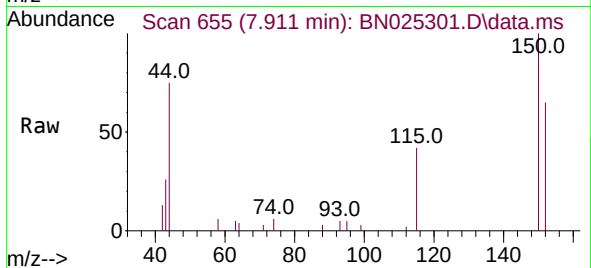
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.911 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

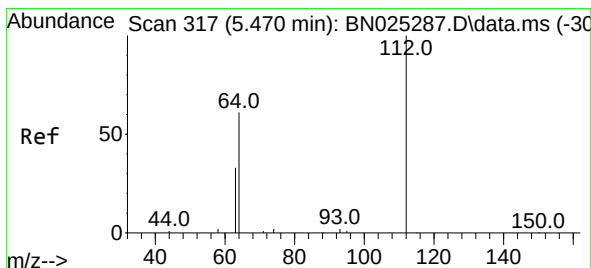
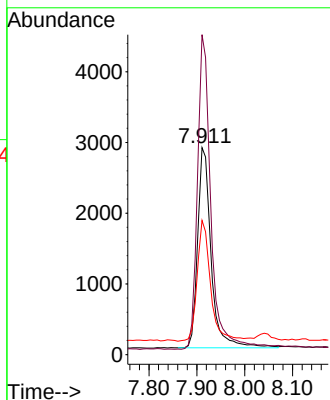
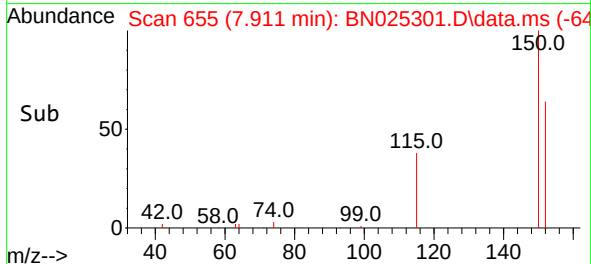
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BNA_N
ClientSampleId :
ZONE-C-0-3-05012023



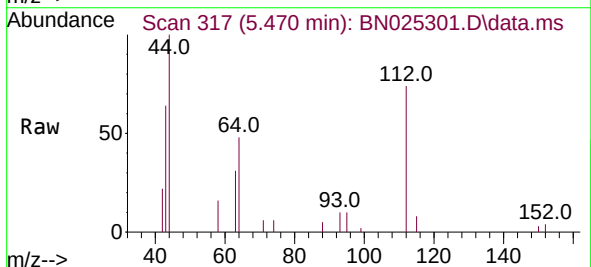
Tgt Ion:152 Resp: 557
Ion Ratio Lower Upper
152 100
150 154.5 123.8 185.8
115 64.8 52.9 79.3

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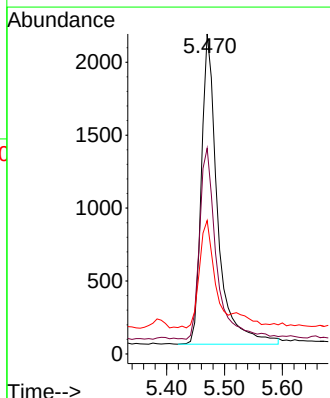
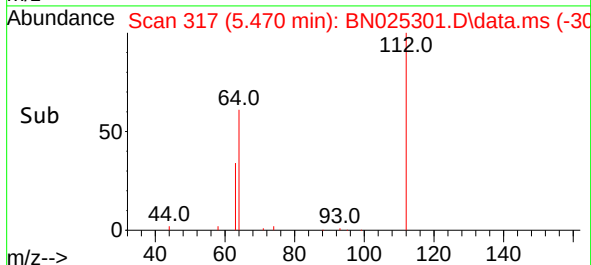
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

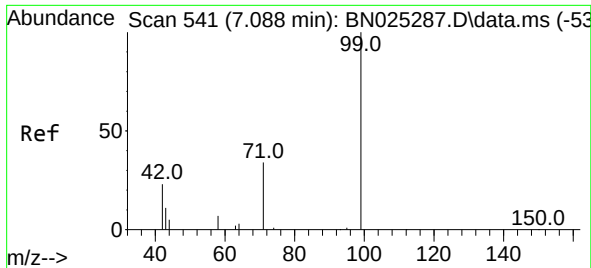


#4
2-Fluorophenol
Concen: 0.308 ng
RT: 5.470 min Scan# 317
Delta R.T. -0.000 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13



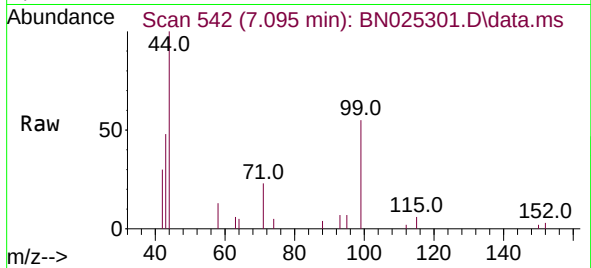
Tgt Ion:112 Resp: 4176
Ion Ratio Lower Upper
112 100
64 63.7 51.5 77.3
63 32.7 27.8 41.6





#5
Phenol-d6
Concen: 0.296 ng
RT: 7.095 min Scan# 541
Delta R.T. 0.007 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

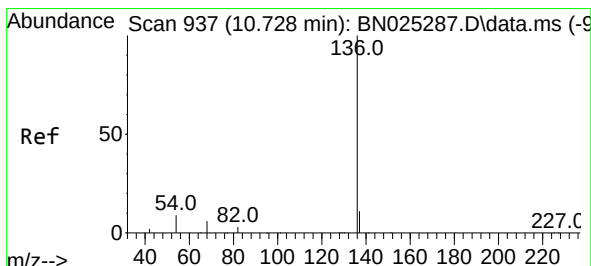
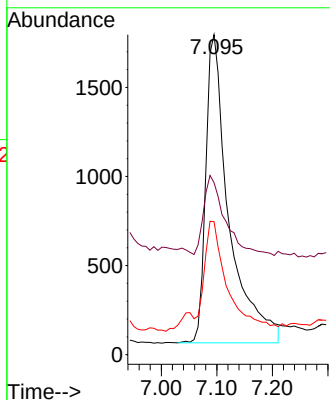
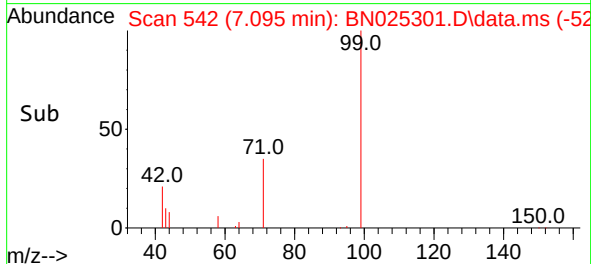
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BNA_N
ClientSampleId :
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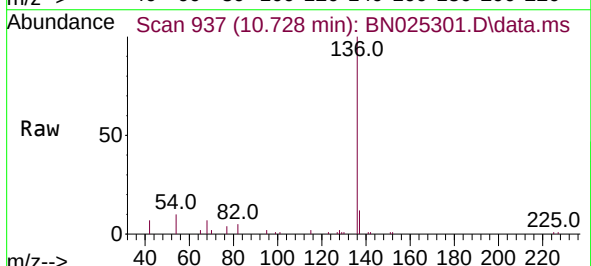
Tgt Ion: 99 Resp: 5030
Ion Ratio Lower Upper
99 100
42 23.9 22.0 33.0
71 32.9 28.7 43.1

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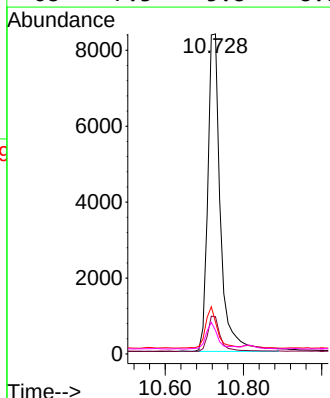
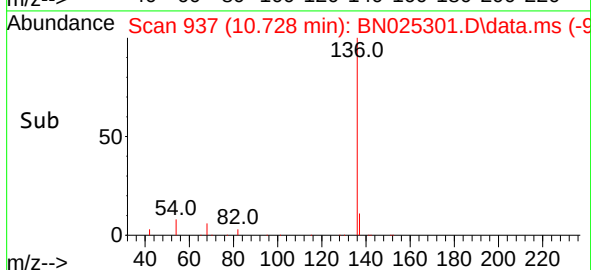
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

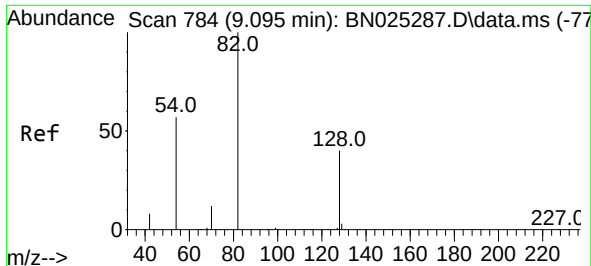


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.728 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13



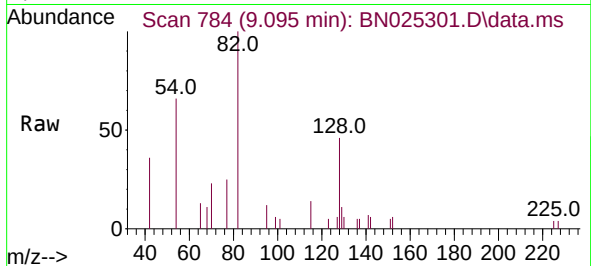
Tgt Ion:136 Resp: 18896
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.2
54 10.0 8.5 12.7
68 7.3 5.8 8.8





#8
Nitrobenzene-d5
Concen: 0.239 ng
RT: 9.095 min Scan# 784
Delta R.T. -0.000 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

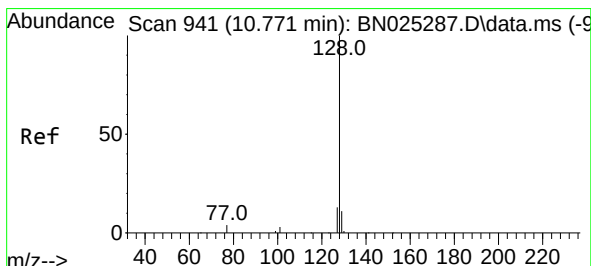
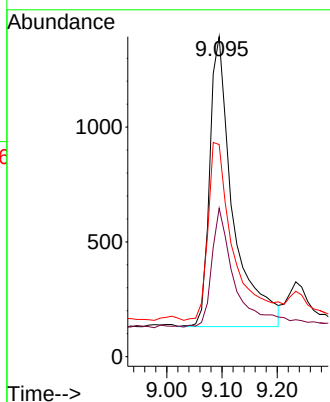
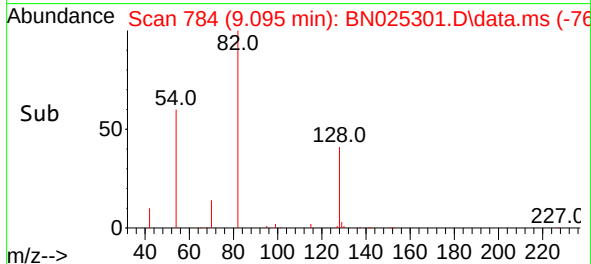
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion: 82 Resp: 3709
Ion Ratio Lower Upper
82 100
128 46.4 35.3 52.9
54 66.3 48.7 73.1

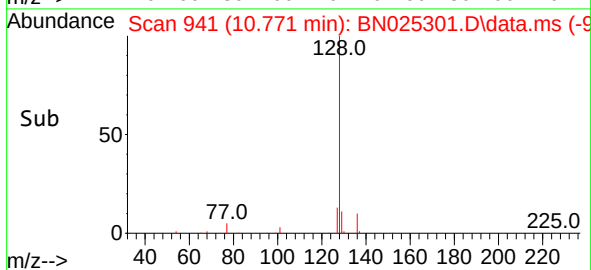
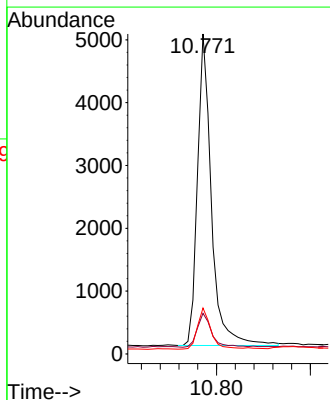
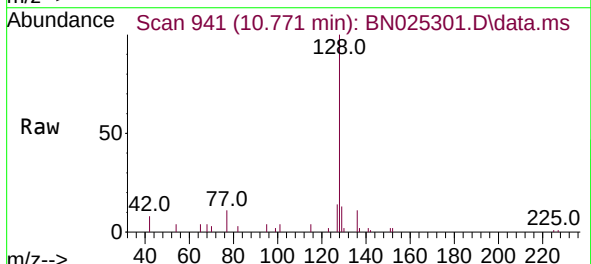
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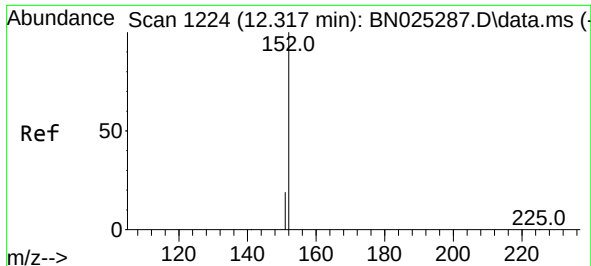
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#9
Naphthalene
Concen: 0.211 ng
RT: 10.771 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

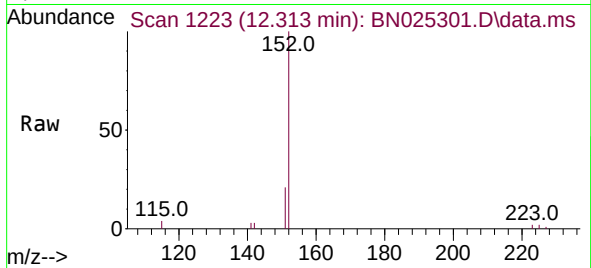
Tgt Ion:128 Resp: 10246
Ion Ratio Lower Upper
128 100
129 12.7 9.4 14.2
127 14.3 11.0 16.6





#11
2-Methylnaphthalene-d10
Concen: 0.278 ng
RT: 12.313 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

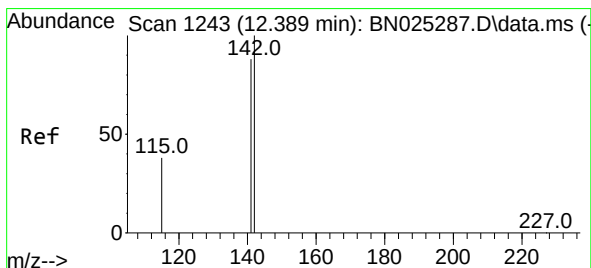
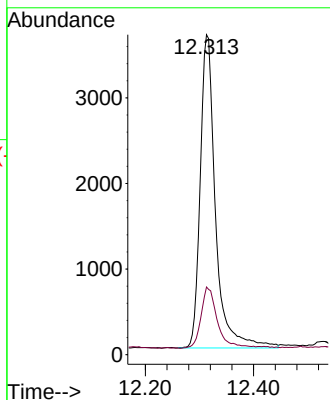
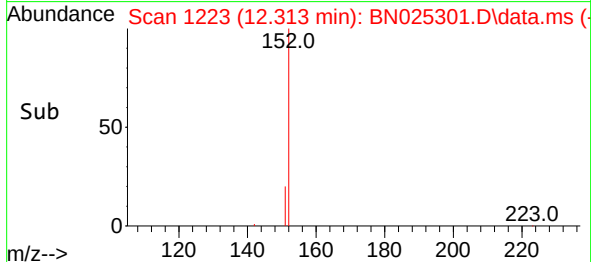
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023



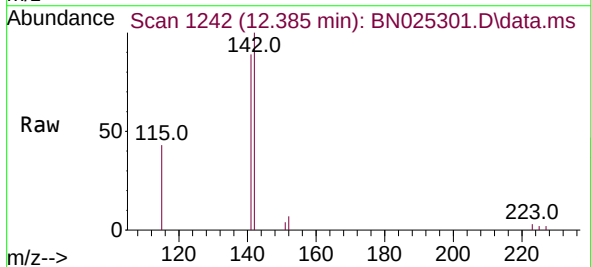
Tgt Ion:152 Resp: 7184
Ion Ratio Lower Upper
152 100
151 21.0 16.4 24.6

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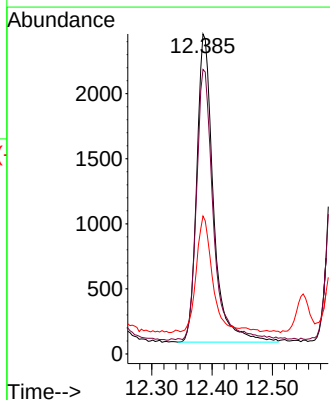
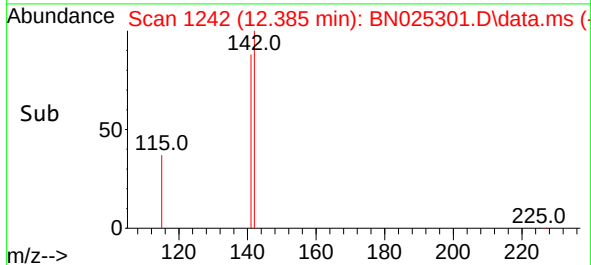
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

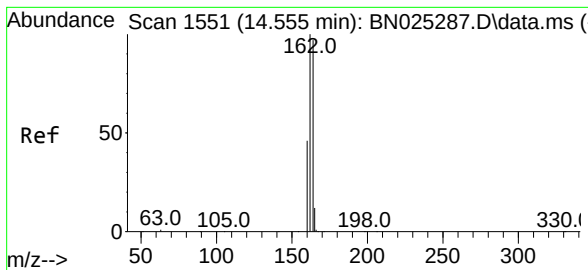


#12
2-Methylnaphthalene
Concen: 0.132 ng
RT: 12.385 min Scan# 1242
Delta R.T. -0.004 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13



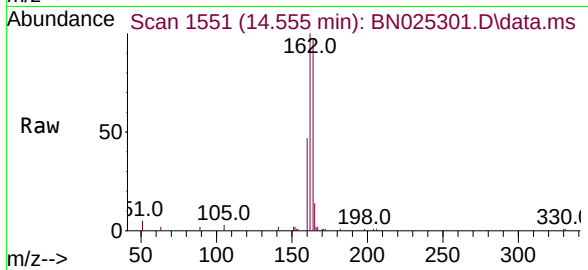
Tgt Ion:142 Resp: 4536
Ion Ratio Lower Upper
142 100
141 88.9 70.5 105.7
115 43.1 31.6 47.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

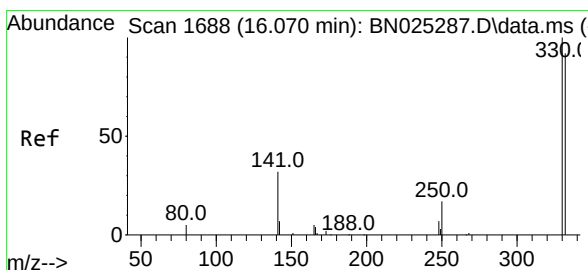
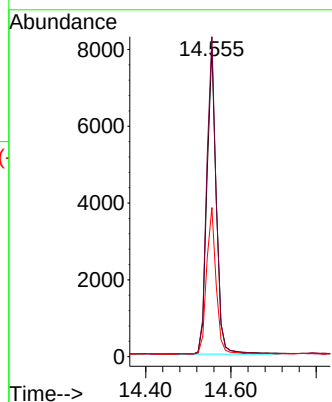
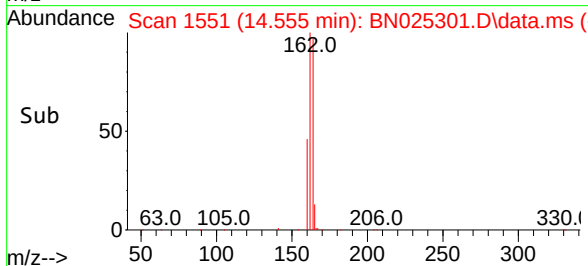
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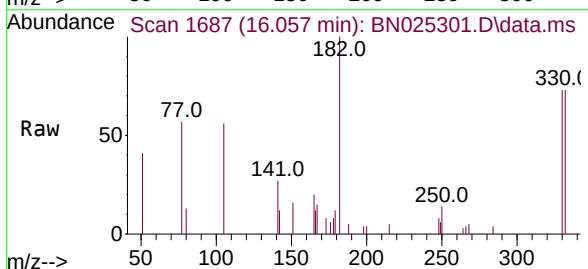
Tgt Ion:164 Resp: 1225
Ion Ratio Lower Upper
164 100
162 103.5 82.1 123.1
160 48.2 38.3 57.5

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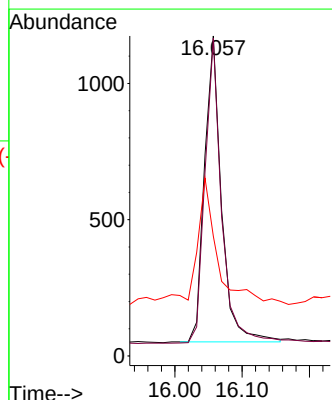
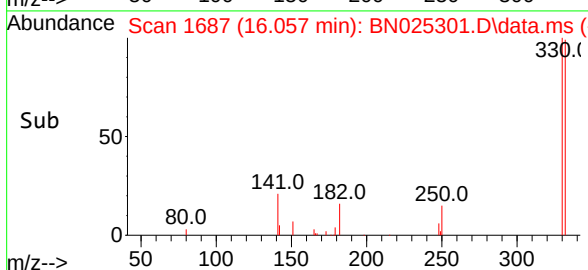
Reviewed By :Christian Giraldo 05/08/2023
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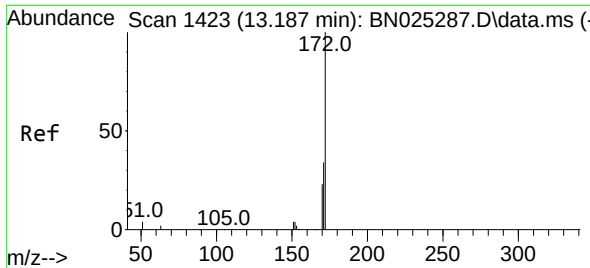


#14
2,4,6-Tribromophenol
Concen: 0.314 ng
RT: 16.057 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13



Tgt Ion:330 Resp: 1964
Ion Ratio Lower Upper
330 100
332 98.0 77.4 116.0
141 47.2 28.9 43.3#





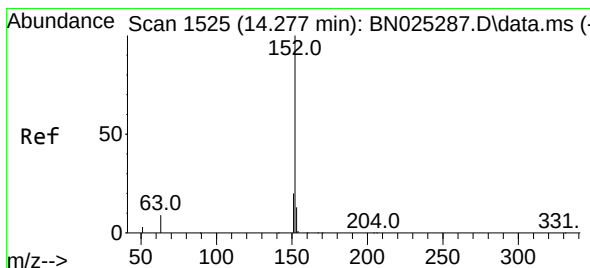
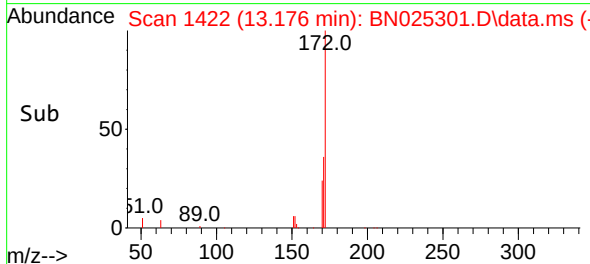
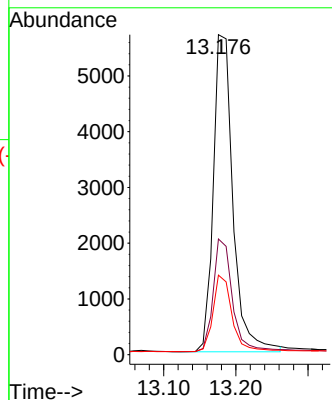
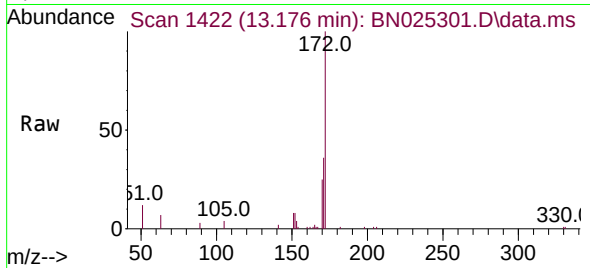
#15
2-Fluorobiphenyl
Concen: 0.257 ng
RT: 13.176 min Scan# 1423
Delta R.T. -0.011 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023

Tgt Ion:172 Resp: 10778
Ion Ratio Lower Upper
172 100
171 36.1 27.9 41.9
170 24.9 19.0 28.4

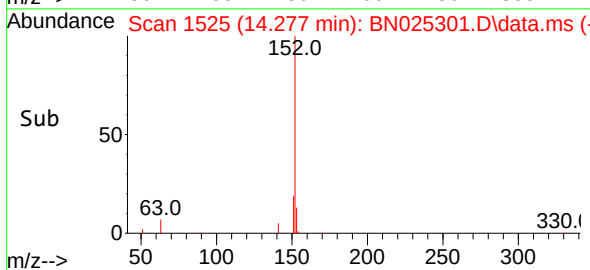
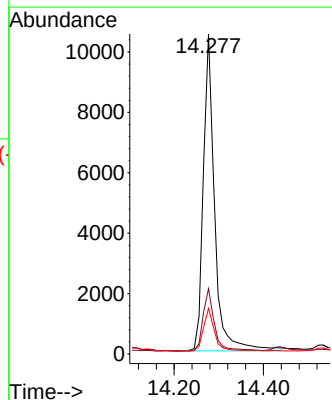
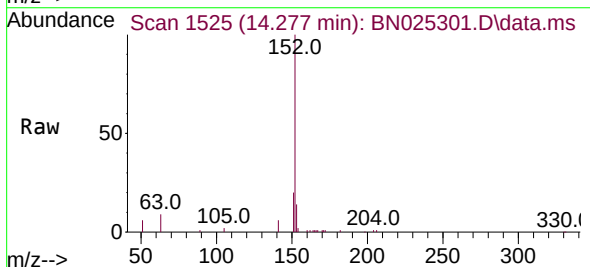
Manual Integrations
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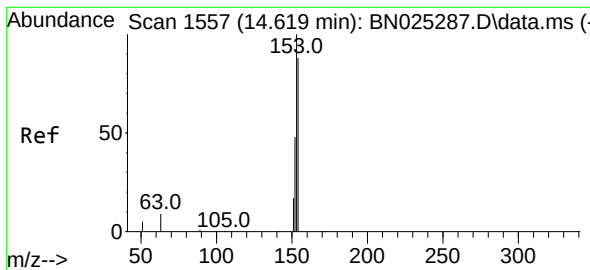
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#16
Acenaphthylene
Concen: 0.336 ng
RT: 14.277 min Scan# 1525
Delta R.T. -0.000 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

Tgt Ion:152 Resp: 18458
Ion Ratio Lower Upper
152 100
151 19.8 16.1 24.1
153 13.2 10.3 15.5





#17

Acenaphthene

Concen: 0.164 ng

RT: 14.619 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN025301.D

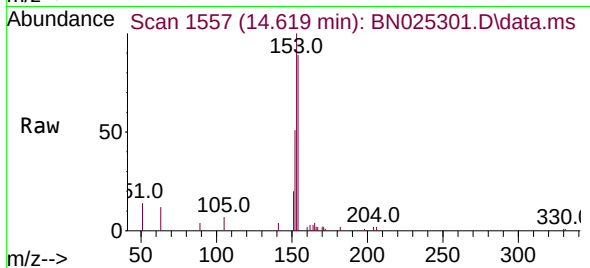
Acq: 06 May 2023 05:13

Instrument :

BNA_N

ClientSampleId :

ZONE-C-0-3-05012023



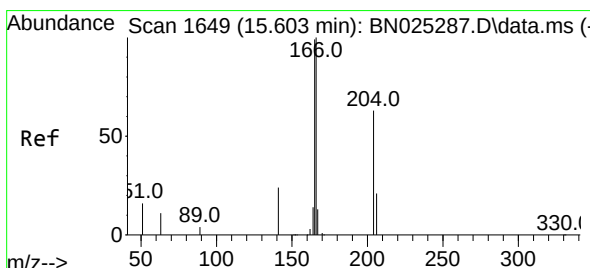
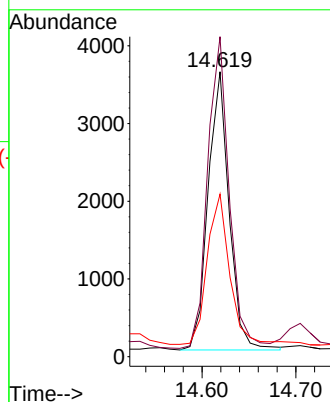
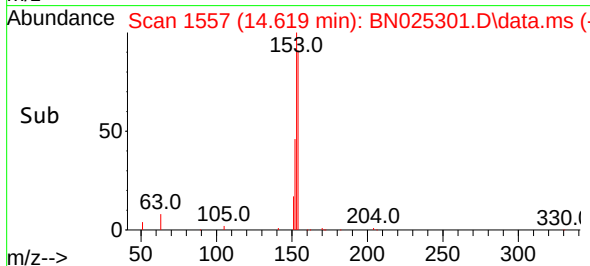
Tgt Ion:	154	Resp:	5590
Ion Ratio	Lower	Upper	
154	100		
153	114.8	91.3	136.9
152	58.8	44.7	67.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/08/2023



#18

Fluorene

Concen: 0.197 ng

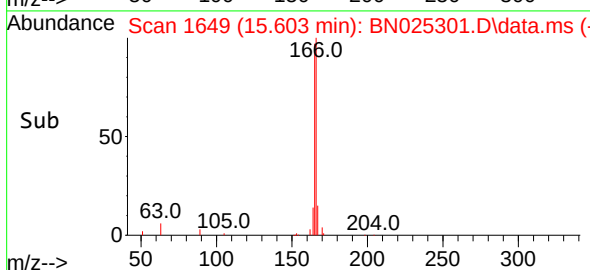
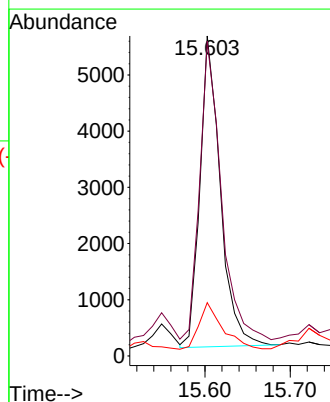
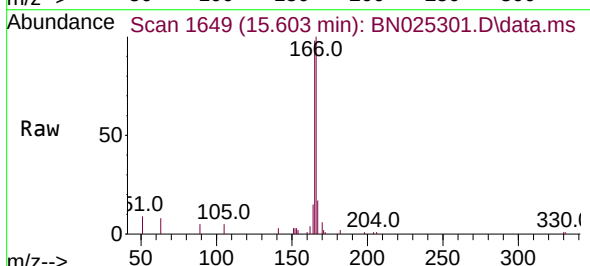
RT: 15.603 min Scan# 1649

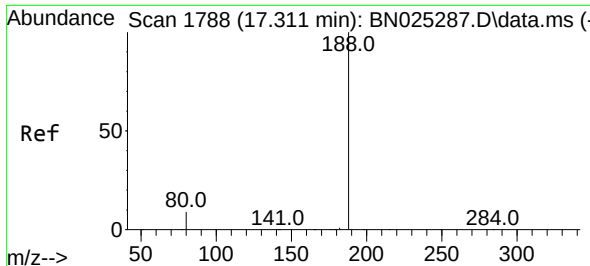
Delta R.T. -0.000 min

Lab File: BN025301.D

Acq: 06 May 2023 05:13

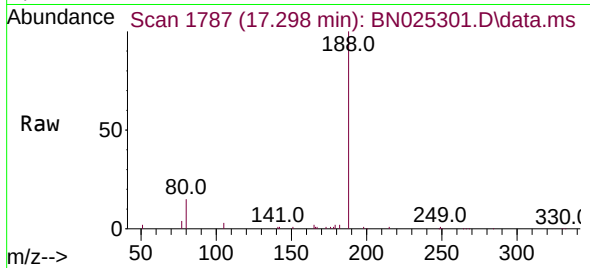
Tgt Ion:	166	Resp:	9189
Ion Ratio	Lower	Upper	
166	100		
165	102.3	79.0	118.4
167	17.5	10.3	15.5





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.298 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

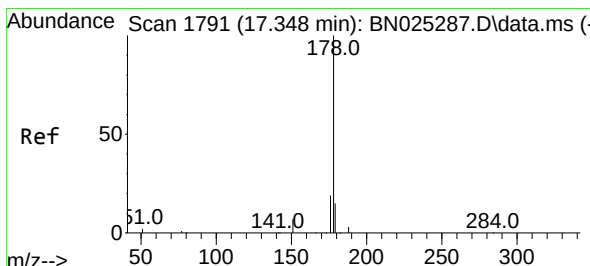
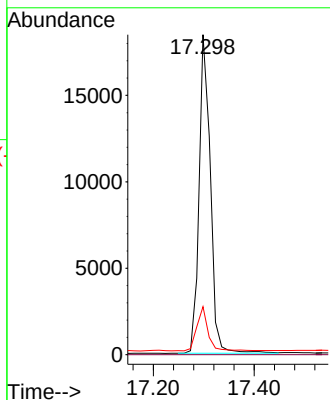
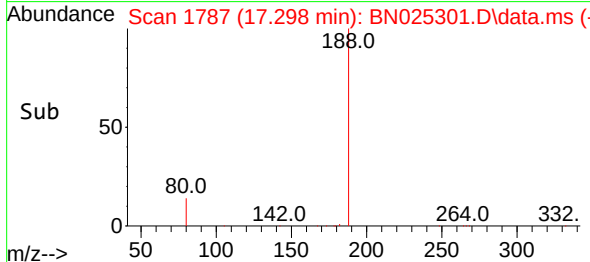
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion:188 Resp: 28689
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.0 8.0 12.0

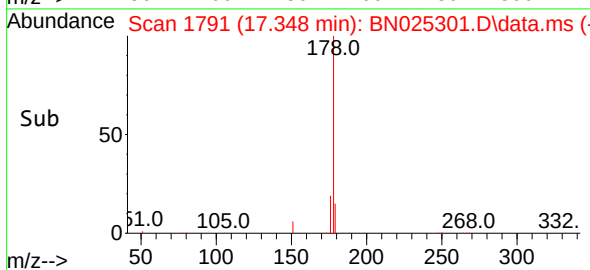
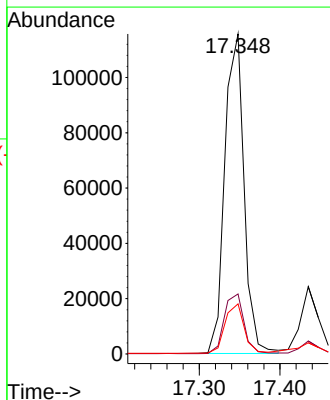
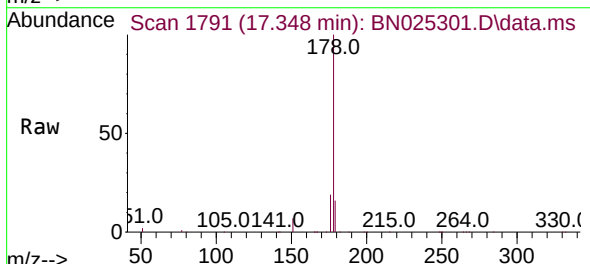
Manual Integrations
APPROVED

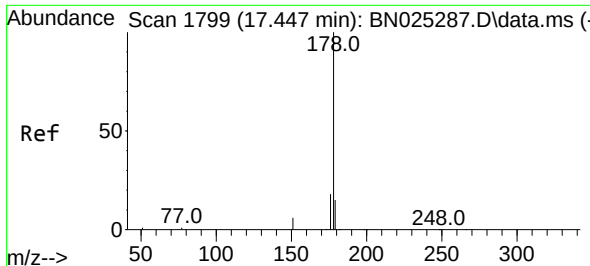
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#25
Phenanthrene
Concen: 2.410 ng
RT: 17.348 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

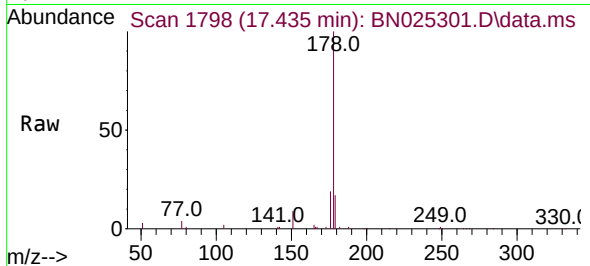
Tgt Ion:178 Resp: 191279
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.5 12.4 18.6





#26
 Anthracene
 Concen: 0.514 ng
 RT: 17.435 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN025301.D
 Acq: 06 May 2023 05:13

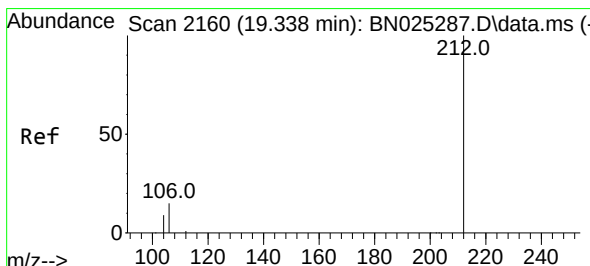
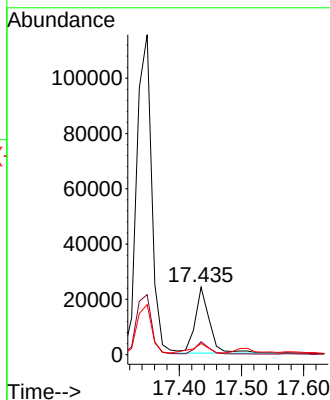
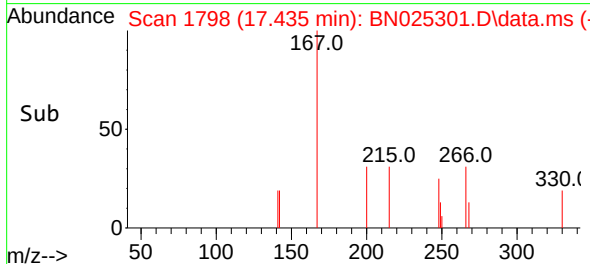
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-C-0-3-05012023



Tgt Ion:178 Resp: 3819
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.9 22.3
 179 15.8 12.0 18.0

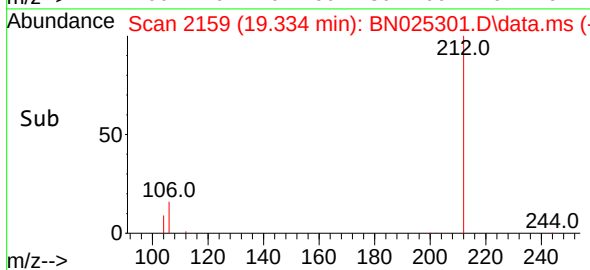
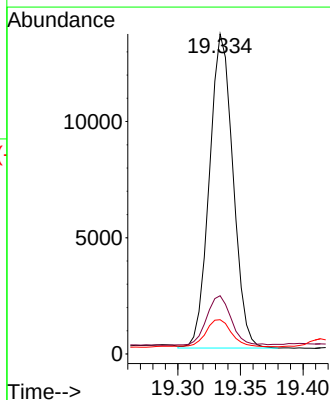
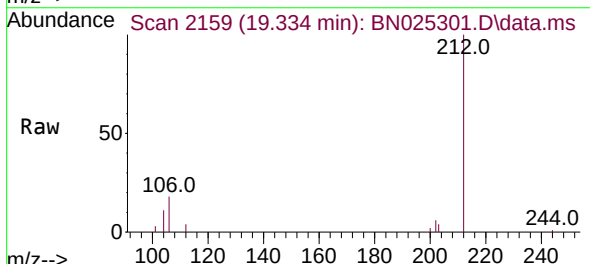
Manual Integrations
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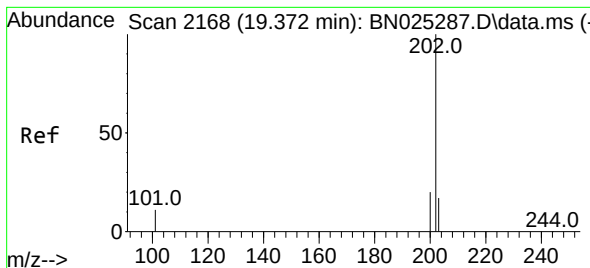
Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



#27
 Fluoranthene-d10
 Concen: 0.250 ng
 RT: 19.334 min Scan# 2159
 Delta R.T. -0.004 min
 Lab File: BN025301.D
 Acq: 06 May 2023 05:13

Tgt Ion:212 Resp: 17767
 Ion Ratio Lower Upper
 212 100
 106 16.4 12.6 19.0
 104 10.3 7.0 10.6





#28

Fluoranthene

Concen: 5.663 ng

RT: 19.367 min Scan# 2167

Delta R.T. -0.004 min

Lab File: BN025301.D

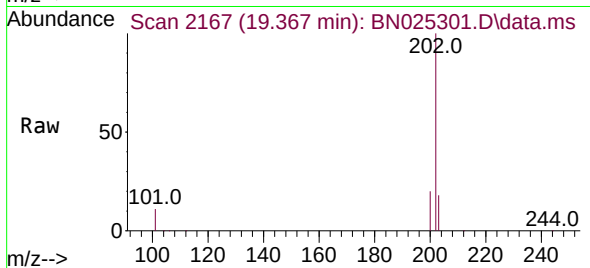
Acq: 06 May 2023 05:13

Instrument :

BNA_N

ClientSampleId :

ZONE-C-0-3-05012023



Tgt Ion:202 Resp: 56169

Ion Ratio Lower Upper

202 100

101 12.2 9.8 14.8

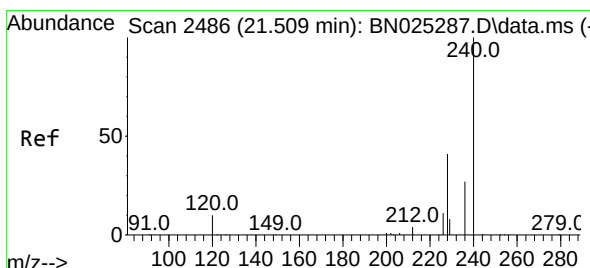
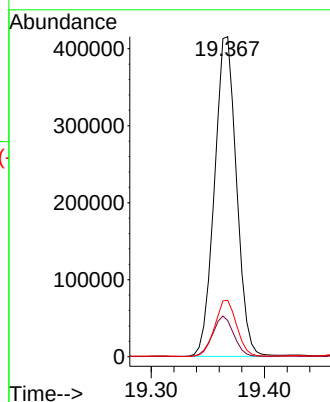
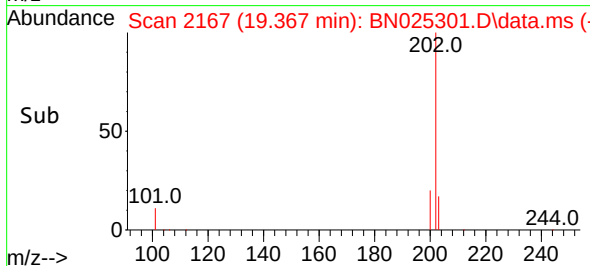
203 17.4 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.495 min Scan# 2485

Delta R.T. -0.014 min

Lab File: BN025301.D

Acq: 06 May 2023 05:13

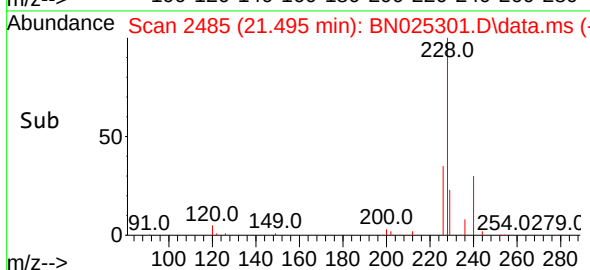
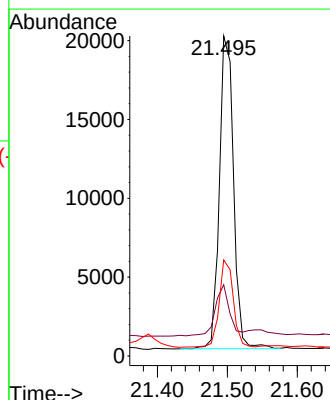
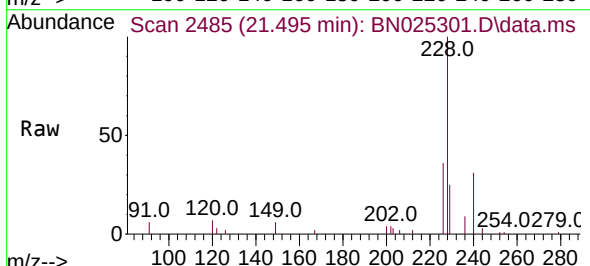
Tgt Ion:240 Resp: 27816

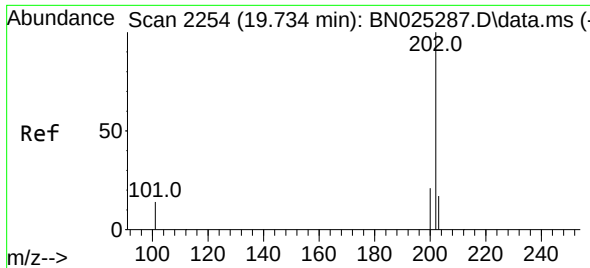
Ion Ratio Lower Upper

240 100

120 22.2 10.3 15.5

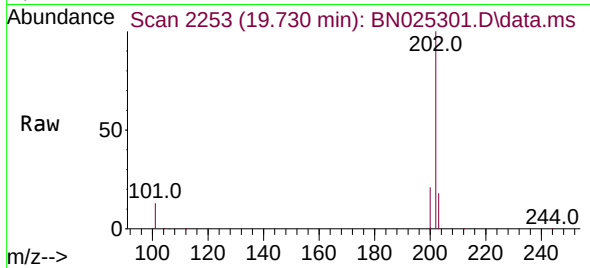
236 30.0 22.3 33.5





#30
Pyrene
Concen: 5.308 ng
RT: 19.730 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

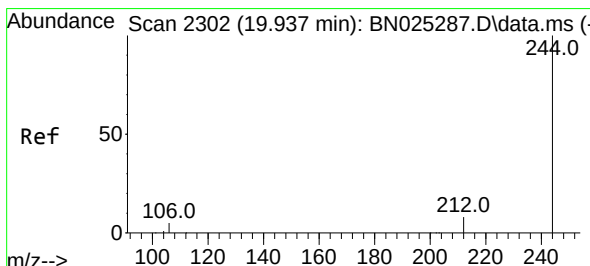
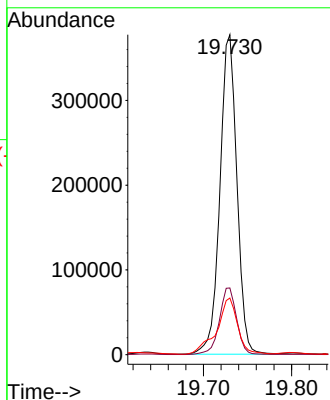
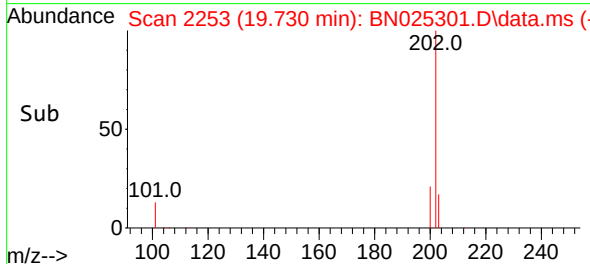
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion:202 Resp: 50479
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 21.4 14.4 21.6

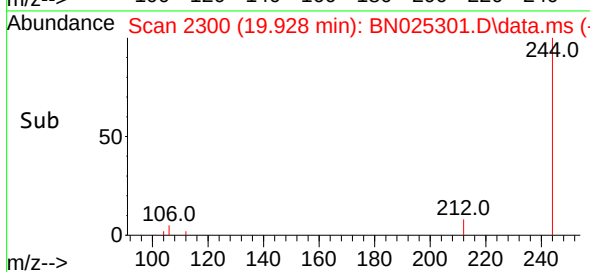
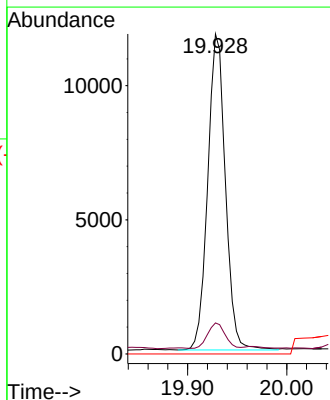
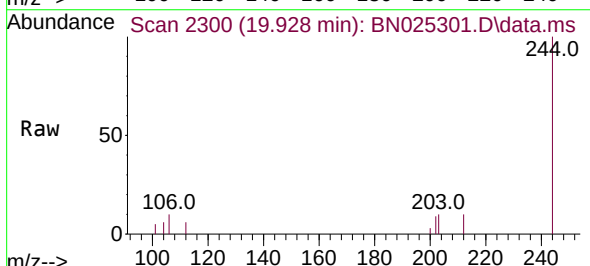
Manual Integrations
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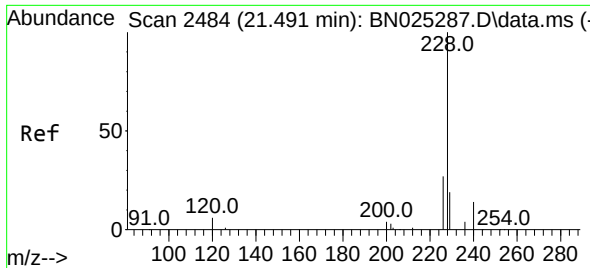
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#31
Terphenyl-d14
Concen: 0.260 ng
RT: 19.928 min Scan# 2300
Delta R.T. -0.008 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

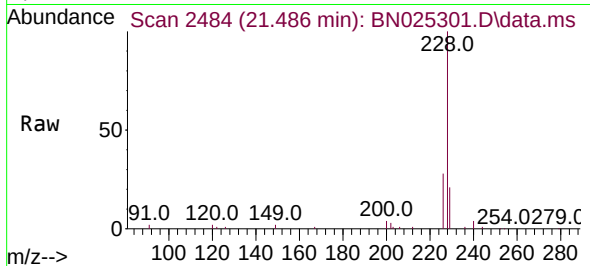
Tgt Ion:244 Resp: 14598
Ion Ratio Lower Upper
244 100
212 9.7 7.1 10.7
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 2.956 ng
RT: 21.486 min Scan# 2484
Delta R.T. -0.005 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

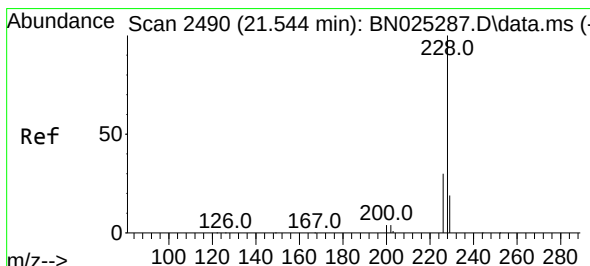
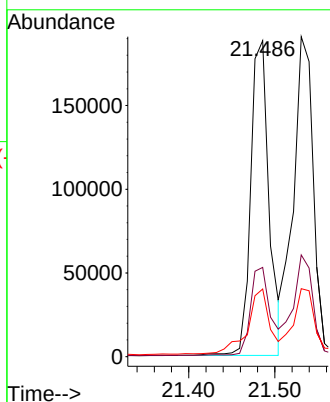
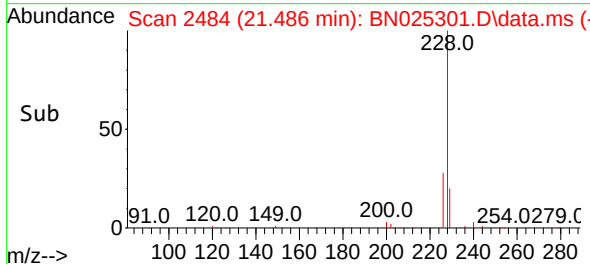
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion:228 Resp: 277930
Ion Ratio Lower Upper
228 100
226 28.3 22.5 33.7
229 21.4 16.2 24.2

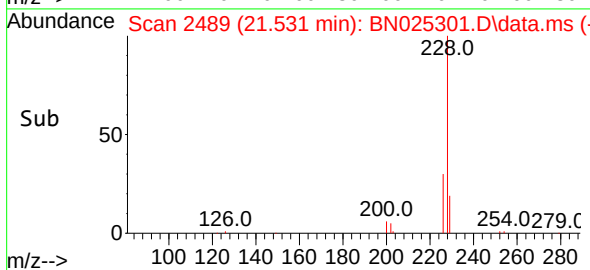
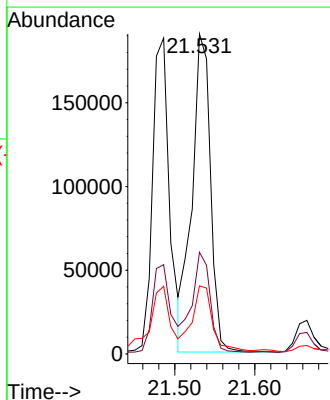
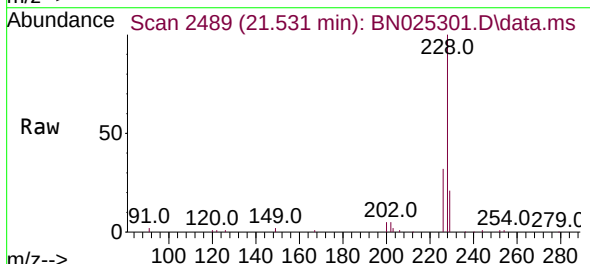
Manual Integrations
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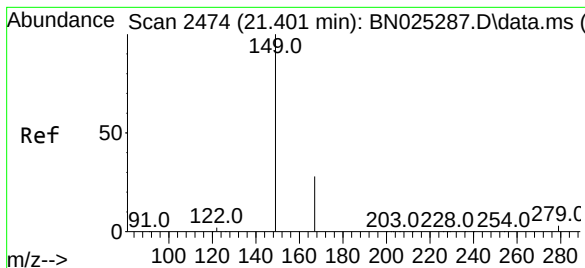
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#33
Chrysene
Concen: 3.279 ng
RT: 21.531 min Scan# 2489
Delta R.T. -0.014 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

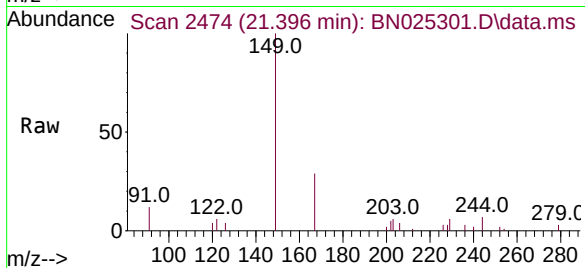
Tgt Ion:228 Resp: 306862
Ion Ratio Lower Upper
228 100
226 31.8 24.6 36.8
229 21.2 16.2 24.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.402 ng
RT: 21.396 min Scan# 2474
Delta R.T. -0.005 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

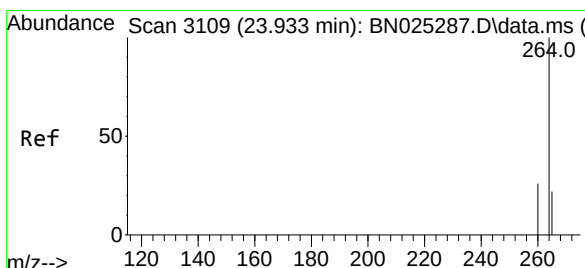
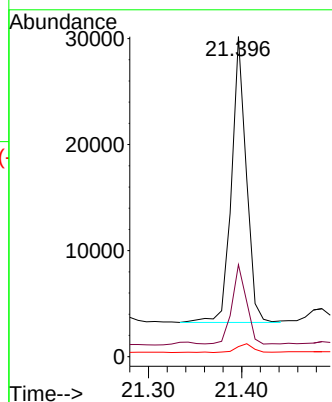
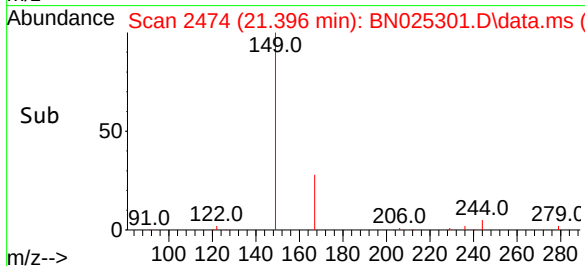
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion:149 Resp: 29652
Ion Ratio Lower Upper
149 100
167 27.3 22.2 33.4
279 3.4 2.6 4.0

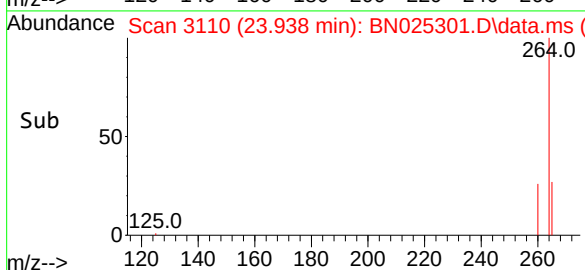
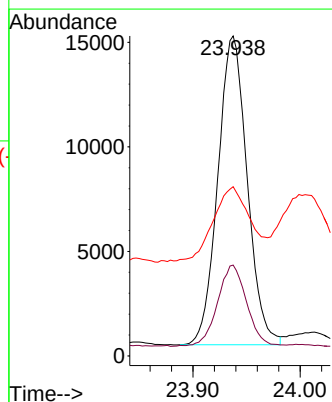
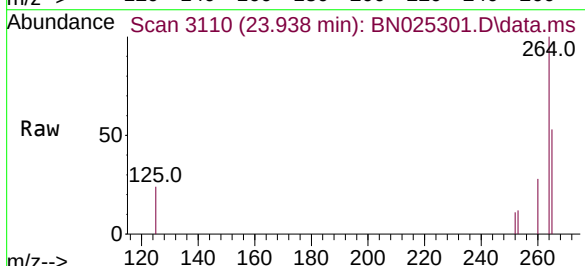
Manual Integrations
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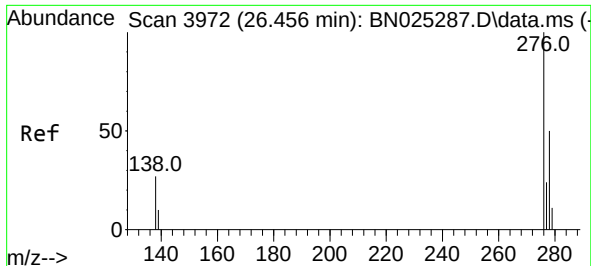
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.938 min Scan# 3110
Delta R.T. 0.004 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

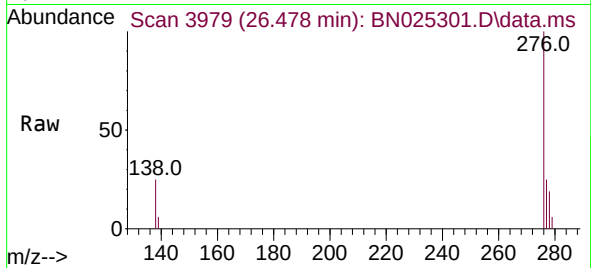
Tgt Ion:264 Resp: 28110
Ion Ratio Lower Upper
264 100
260 28.4 21.5 32.3
265 52.9 46.2 69.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.514 ng
RT: 26.478 min Scan# 3979
Delta R.T. 0.022 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

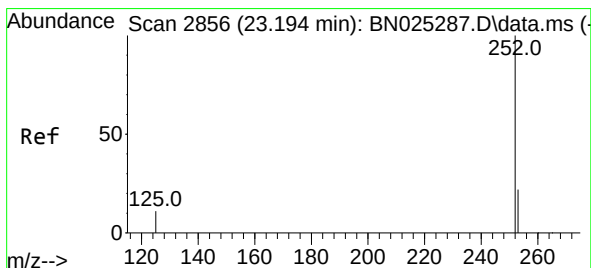
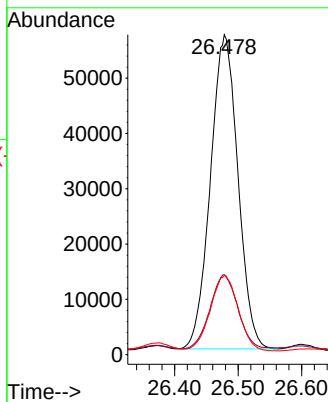
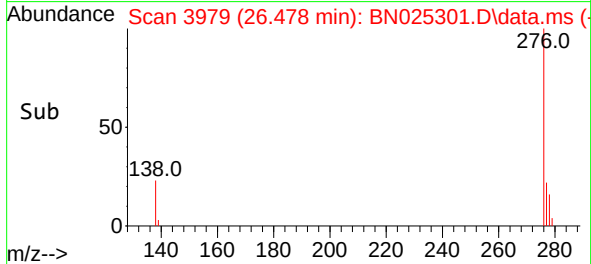
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion:276 Resp: 17059
Ion Ratio Lower Upper
276 100
138 23.8 22.5 33.7
277 24.5 19.8 29.6

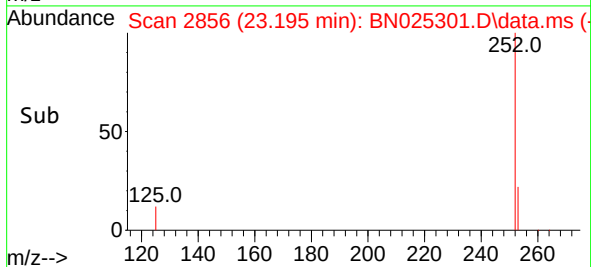
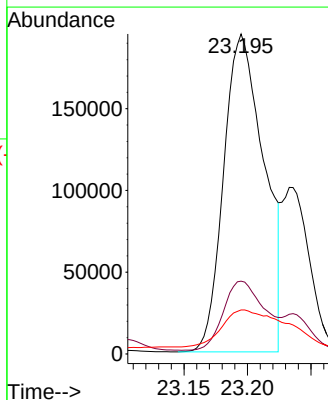
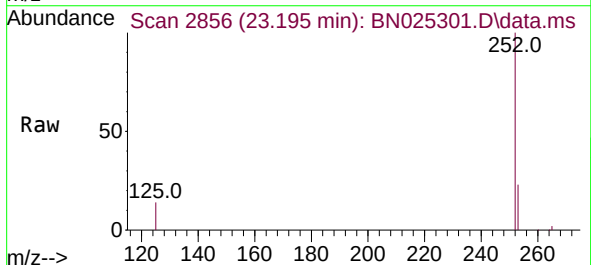
Manual Integrations
APPROVED

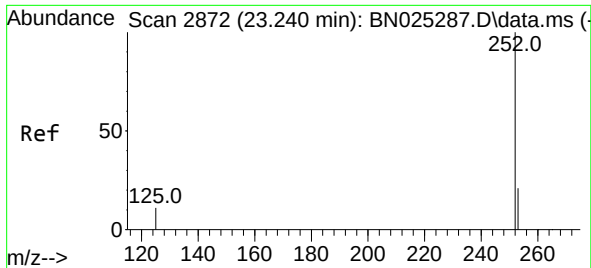
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#37
Benzo(b)fluoranthene
Concen: 4.823 ng
RT: 23.195 min Scan# 2856
Delta R.T. 0.001 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

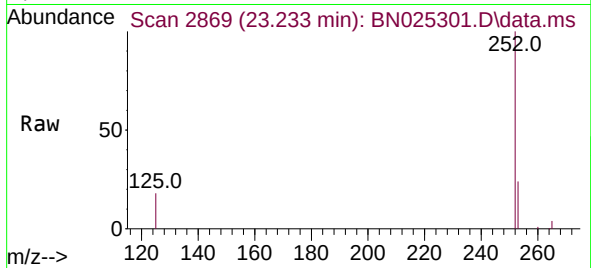
Tgt Ion:252 Resp: 429735
Ion Ratio Lower Upper
252 100
253 22.8 20.8 31.2
125 13.8 13.4 20.2





#38
Benzo(k)fluoranthene
Concen: 1.632 ng m
RT: 23.233 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

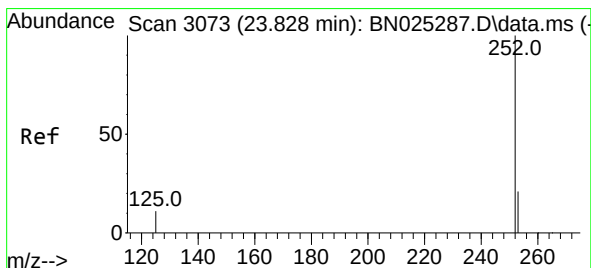
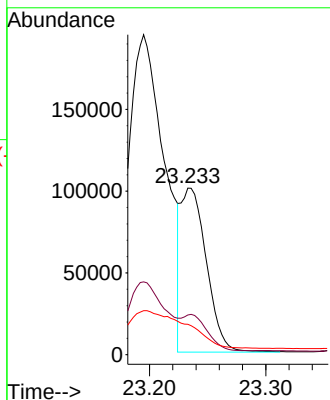
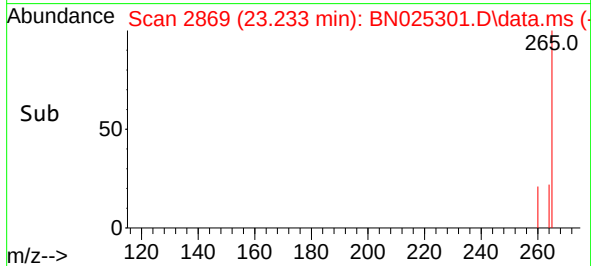
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion:252 Resp: 152207
Ion Ratio Lower Upper
252 100
253 23.9 20.6 30.8
125 18.3 13.1 19.7

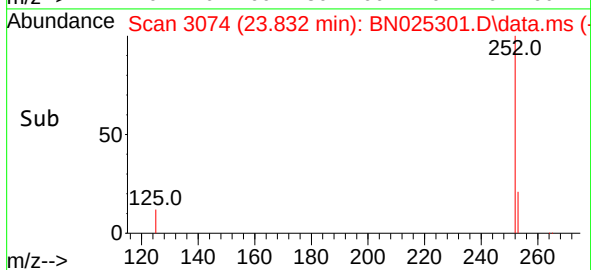
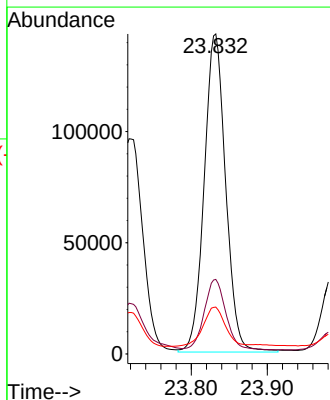
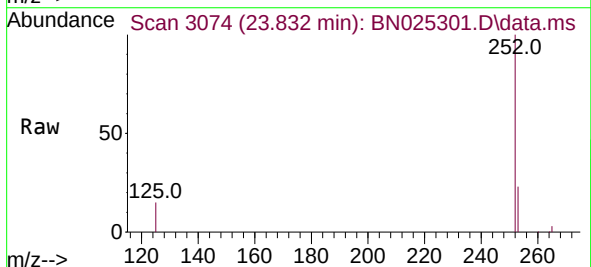
Manual Integrations
APPROVED

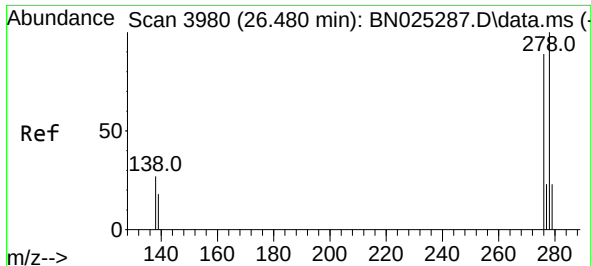
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#39
Benzo(a)pyrene
Concen: 3.081 ng m
RT: 23.832 min Scan# 3074
Delta R.T. 0.004 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

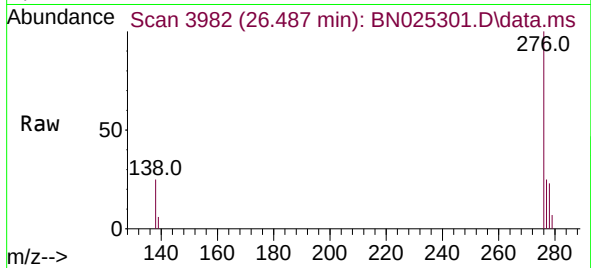
Tgt Ion:252 Resp: 281253
Ion Ratio Lower Upper
252 100
253 23.3 21.4 32.0
125 14.6 15.4 23.2#





#40
Dibenzo(a,h)anthracene
Concen: 0.457 ng
RT: 26.487 min Scan# 3980
Delta R.T. 0.007 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13

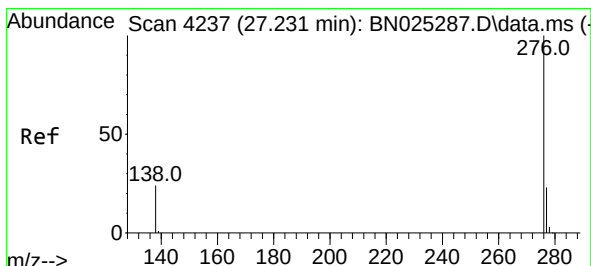
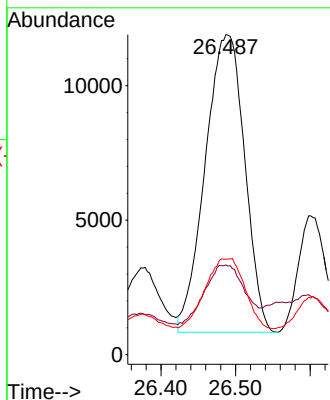
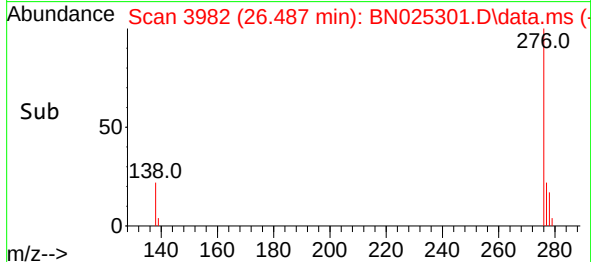
Instrument :
BNA_N
ClientSampleId :
ZONE-C-0-3-05012023



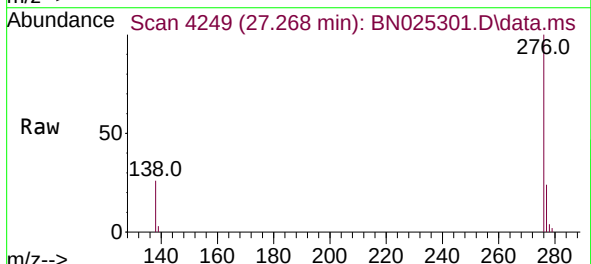
Tgt Ion: 278 Resp: 40668
Ion Ratio Lower Upper
278 100
139 28.1 17.6 26.4
279 29.8 21.6 32.4

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 1.692 ng
RT: 27.268 min Scan# 4249
Delta R.T. 0.036 min
Lab File: BN025301.D
Acq: 06 May 2023 05:13



Tgt Ion: 276 Resp: 165354
Ion Ratio Lower Upper
276 100
277 24.4 20.1 30.1
138 26.0 21.0 31.6

