

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
 Data File : BN025298.D
 Acq On : 06 May 2023 03:24
 Operator : CG/JU
 Sample : 02588-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: May 08 03:19:10 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	7.918	152	5533	0.400	ng	0.00
7) Naphthalene-d8	10.728	136	18747	0.400	ng	0.00
13) Acenaphthene-d10	14.555	164	12538	0.400	ng	0.00
19) Phenanthrene-d10	17.298	188	29430	0.400	ng	#-0.01
29) Chrysene-d12	21.491	240	27449	0.400	ng	#-0.02
35) Perylene-d12	23.924	264	30919	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.470	112	4112	0.305	ng	0.00
5) Phenol-d6	7.095	99	5080	0.301	ng	0.00
8) Nitrobenzene-d5	9.084	82	3732	0.242	ng	-0.01
11) 2-Methylnaphthalene-d10	12.313	152	7015	0.274	ng	0.00
14) 2,4,6-Tribromophenol	16.057	330	2113	0.330	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	10599	0.247	ng	0.00
27) Fluoranthene-d10	19.334	212	17111	0.235	ng	0.00
31) Terphenyl-d14	19.928	244	12854	0.232	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.771	128	6751	0.140	ng	96
12) 2-Methylnaphthalene	12.389	142	2533	0.074	ng	96
16) Acenaphthylene	14.277	152	8616	0.153	ng	97
17) Acenaphthene	14.619	154	4616	0.132	ng	99
18) Fluorene	15.603	166	6441	0.135	ng	# 96
25) Phenanthrene	17.348	178	97389	1.196	ng	100
26) Anthracene	17.435	178	24846	0.326	ng	98
28) Fluoranthene	19.363	202	245462	2.413	ng	99
30) Pyrene	19.726	202	221714	2.363	ng	# 96
32) Benzo(a)anthracene	21.473	228	127798	1.377	ng	98
33) Chrysene	21.526	228	123652	1.339	ng	97
34) Bis(2-ethylhexyl)phtha...	21.392	149	118249	1.624	ng	98
36) Indeno(1,2,3-cd)pyrene	26.439	276	75683	0.611	ng	95
37) Benzo(b)fluoranthene	23.188	252	177493	1.811	ng	98
38) Benzo(k)fluoranthene	23.226	252	63044m	0.614	ng	
39) Benzo(a)pyrene	23.813	252	126353	1.258	ng	96
40) Dibenzo(a,h)anthracene	26.445	278	19052	0.195	ng	# 77
41) Benzo(g,h,i)perylene	27.222	276	72731	0.677	ng	100

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

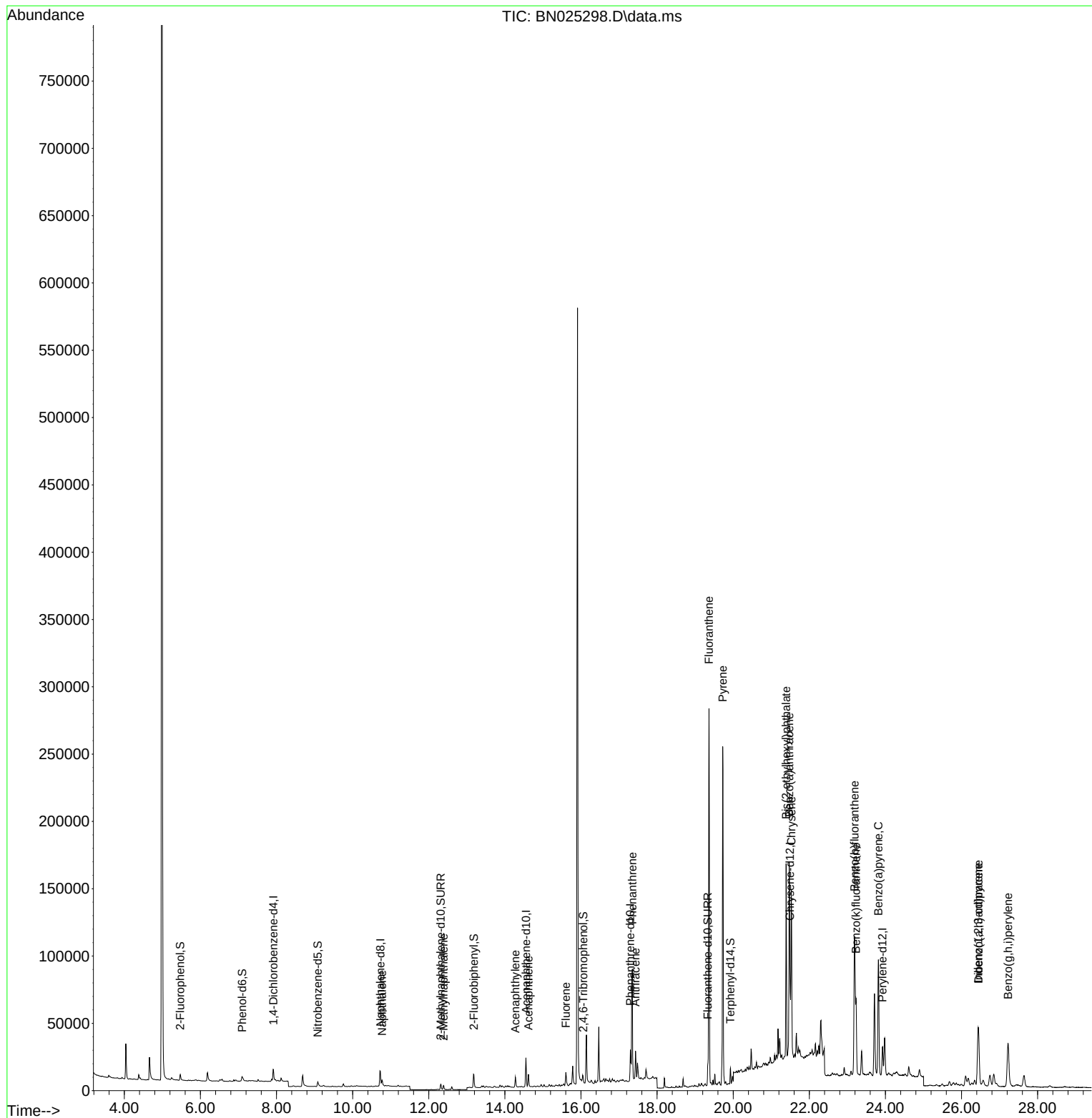
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
Data File : BN025298.D
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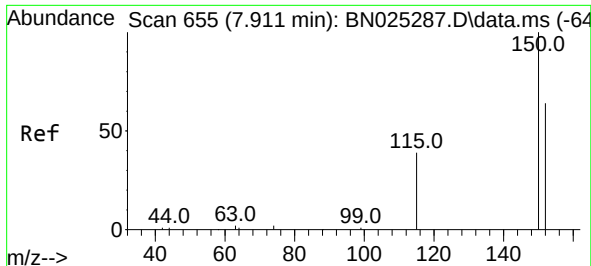
Instrument :
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ZONE-C-3-6-05012023

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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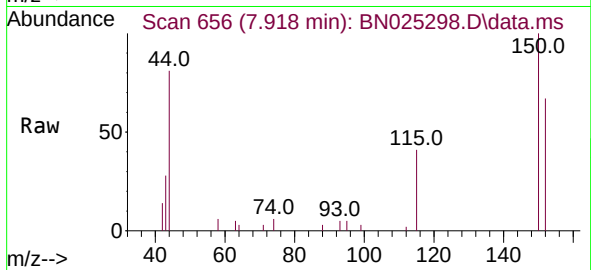
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.918 min Scan# 655
Delta R.T. 0.007 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

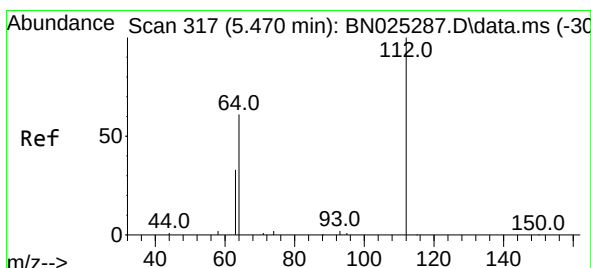
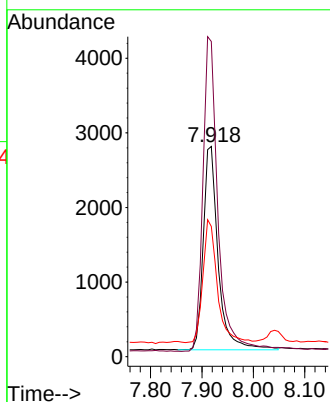
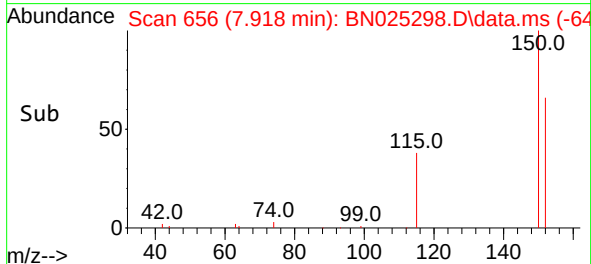
Instrument :
BNA_N
ClientSampleId :
ZONE-C-3-6-05012023



Tgt Ion:152 Resp: 553
Ion Ratio Lower Upper
152 100
150 149.9 123.8 185.8
115 62.0 52.9 79.3

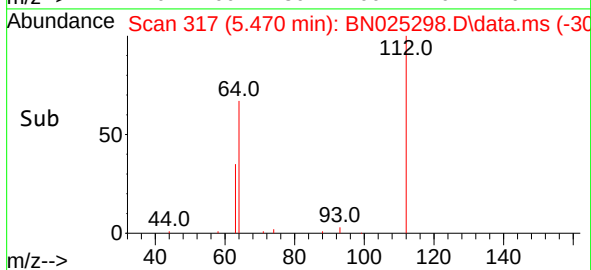
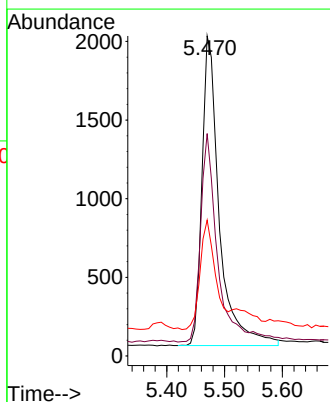
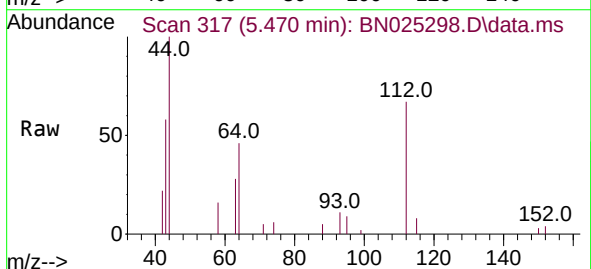
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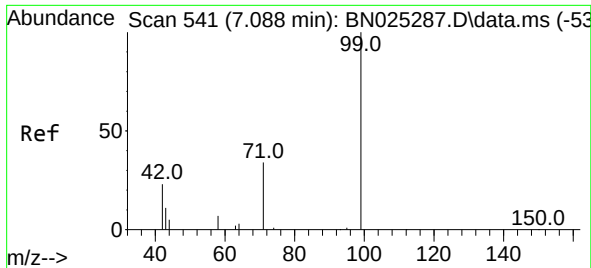
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#4
2-Fluorophenol
Concen: 0.305 ng
RT: 5.470 min Scan# 317
Delta R.T. -0.000 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

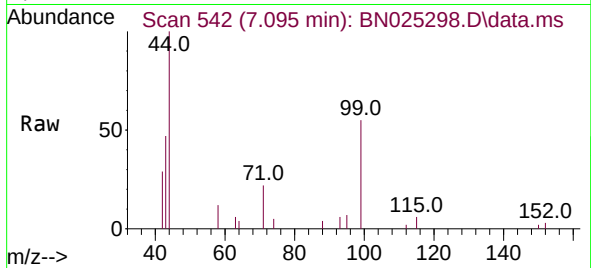
Tgt Ion:112 Resp: 4112
Ion Ratio Lower Upper
112 100
64 66.3 51.5 77.3
63 31.7 27.8 41.6





#5
Phenol-d6
Concen: 0.301 ng
RT: 7.095 min Scan# 541
Delta R.T. 0.007 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

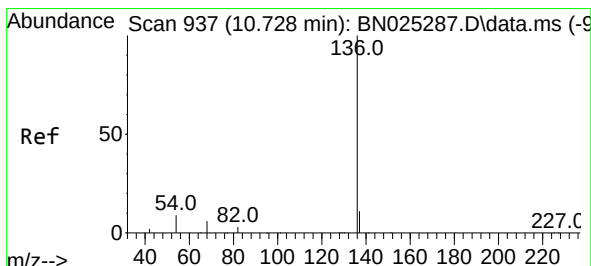
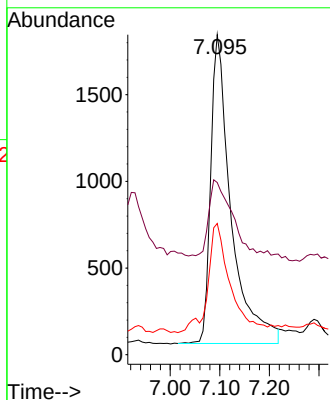
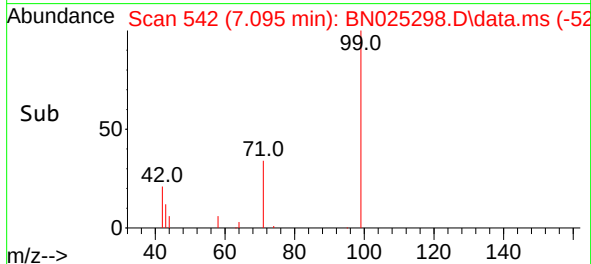
Instrument :
BNA_N
ClientSampleId :
ZONE-C-3-6-05012023



Tgt Ion: 99 Resp: 5080
Ion Ratio Lower Upper
99 100
42 27.5 22.0 33.0
71 38.5 28.7 43.1

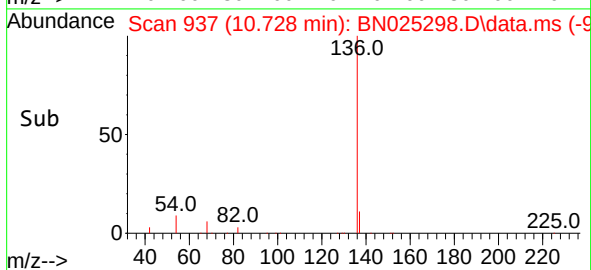
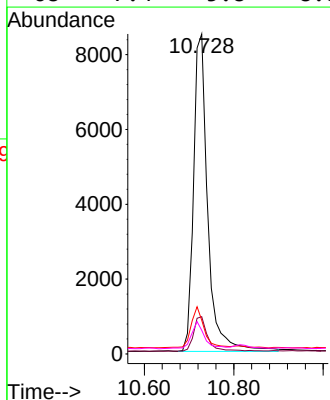
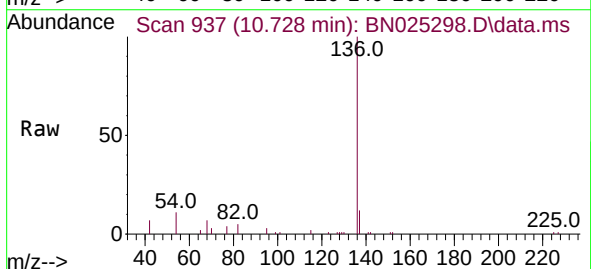
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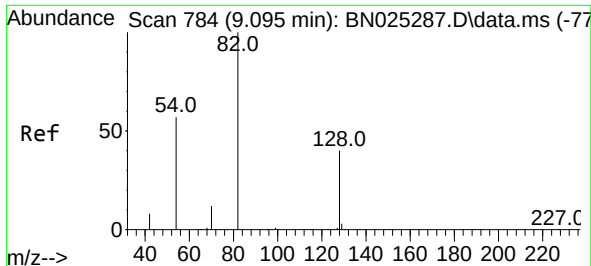
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.728 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

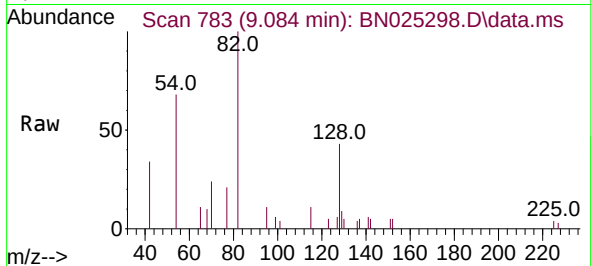
Tgt Ion:136 Resp: 18747
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.2
54 10.5 8.5 12.7
68 7.4 5.8 8.8





#8
Nitrobenzene-d5
Concen: 0.242 ng
RT: 9.084 min Scan# 784
Delta R.T. -0.011 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

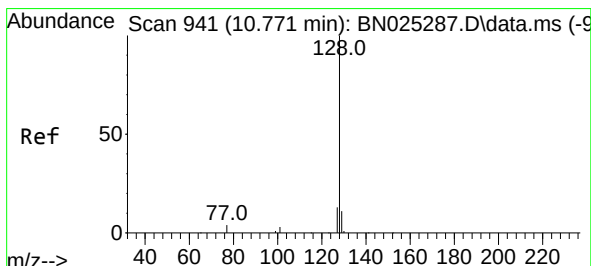
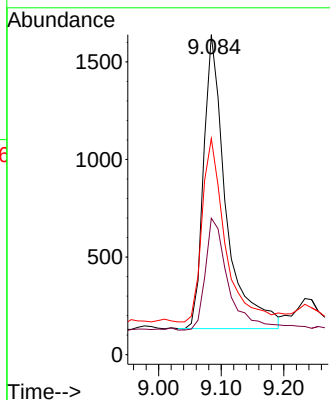
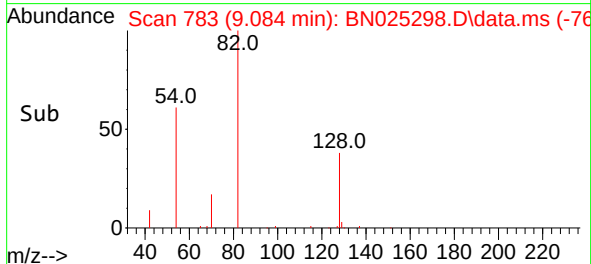
Instrument :
BNA_N
ClientSampleId :
ZONE-C-3-6-05012023



Tgt Ion: 82 Resp: 3732
Ion Ratio Lower Upper
82 100
128 42.6 35.3 52.9
54 67.5 48.7 73.1

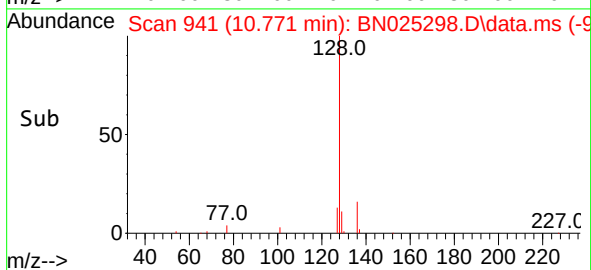
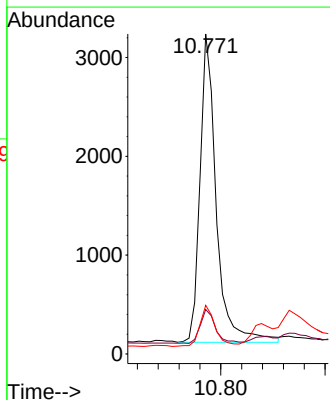
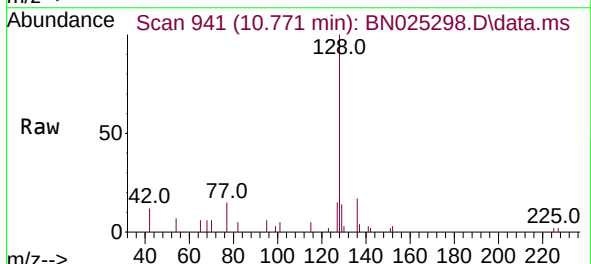
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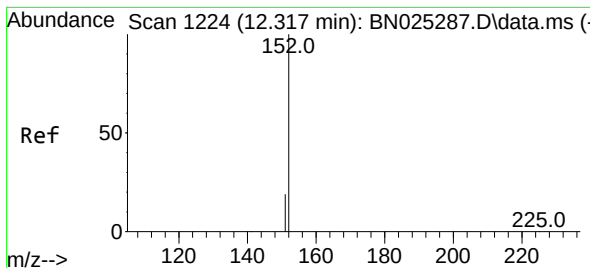
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#9
Naphthalene
Concen: 0.140 ng
RT: 10.771 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

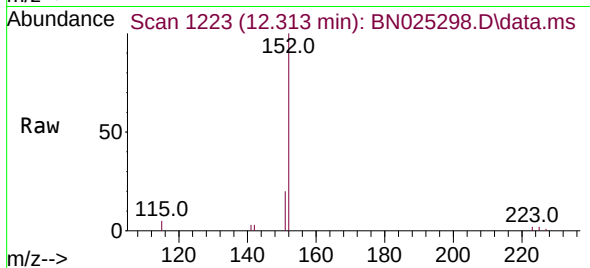
Tgt Ion:128 Resp: 6751
Ion Ratio Lower Upper
128 100
129 13.9 9.4 14.2
127 15.2 11.0 16.6





#11
2-Methylnaphthalene-d10
Concen: 0.274 ng
RT: 12.313 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

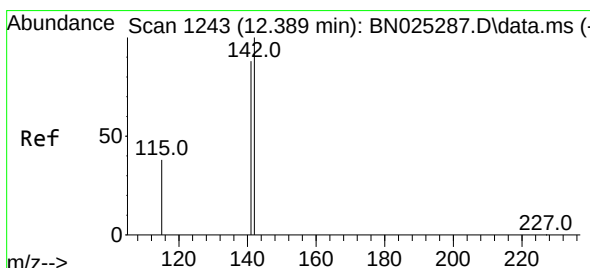
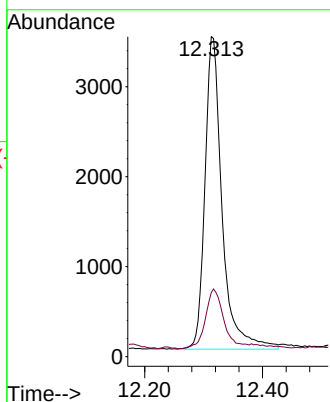
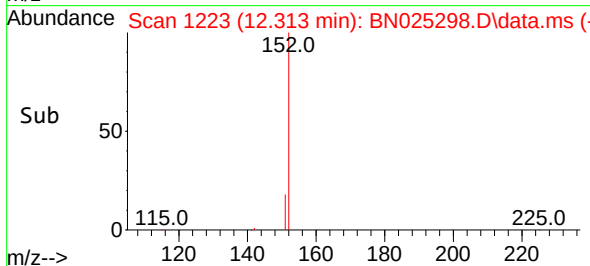
Instrument :
BNA_N
ClientSampleId :
ZONE-C-3-6-05012023



Tgt Ion:152 Resp: 7015
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6

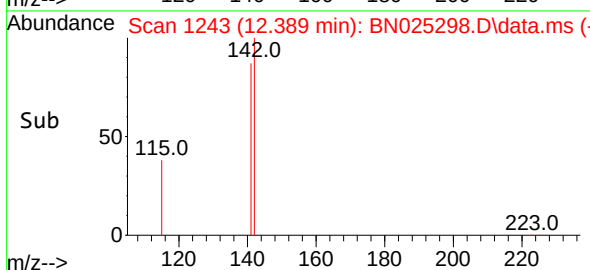
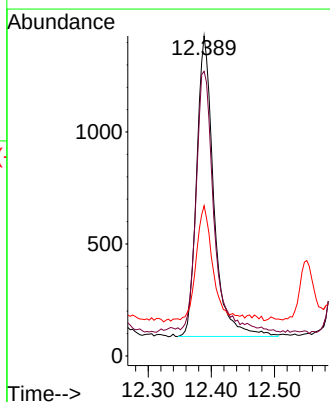
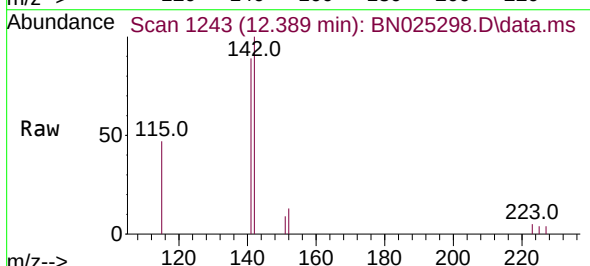
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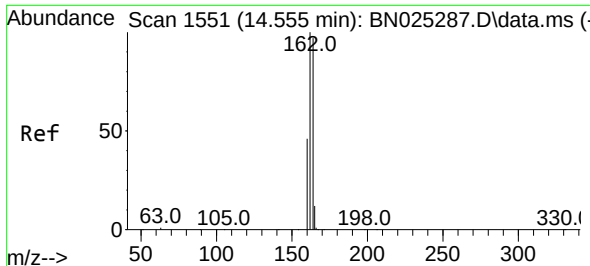
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#12
2-Methylnaphthalene
Concen: 0.074 ng
RT: 12.389 min Scan# 1243
Delta R.T. -0.000 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

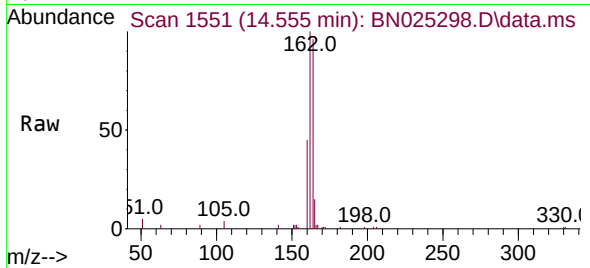
Tgt Ion:142 Resp: 2533
Ion Ratio Lower Upper
142 100
141 88.9 70.5 105.7
115 47.0 31.6 47.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

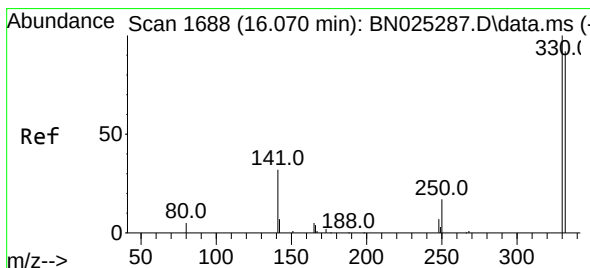
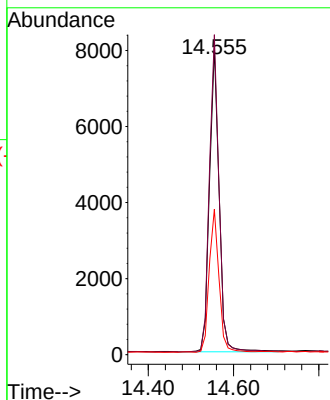
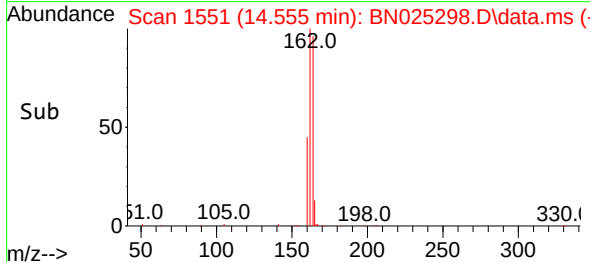
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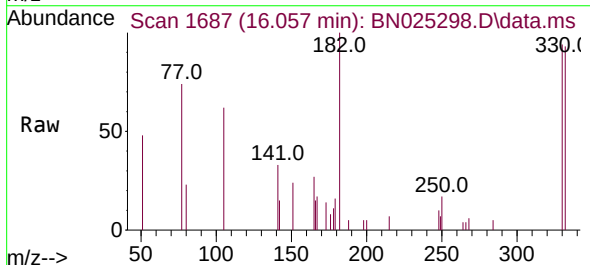
Tgt Ion:164 Resp: 12538
Ion Ratio Lower Upper
164 100
162 104.5 82.1 123.1
160 47.5 38.3 57.5

Manual Integrations
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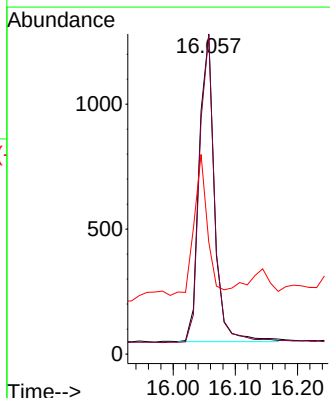
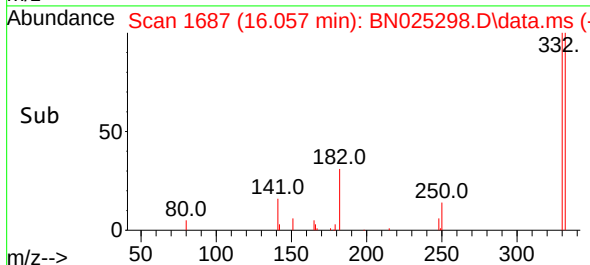
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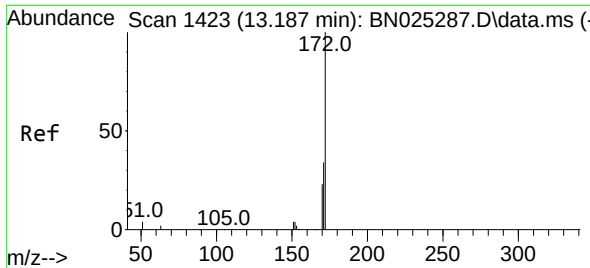


#14
2,4,6-Tribromophenol
Concen: 0.330 ng
RT: 16.057 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24



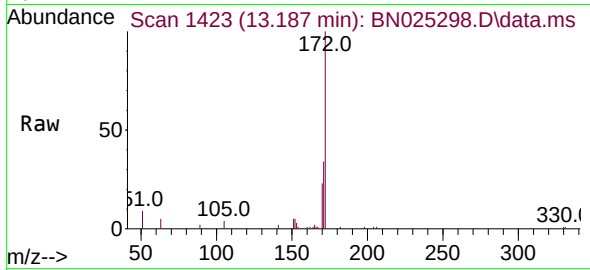
Tgt Ion:330 Resp: 2113
Ion Ratio Lower Upper
330 100
332 98.5 77.4 116.0
141 39.8 28.9 43.3





#15
2-Fluorobiphenyl
Concen: 0.247 ng
RT: 13.187 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

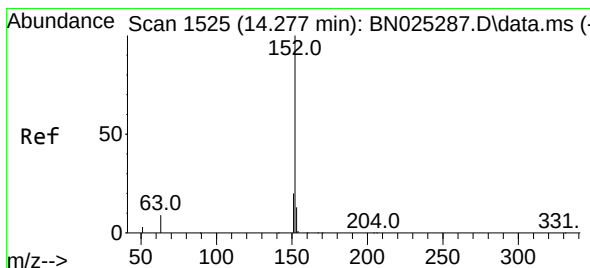
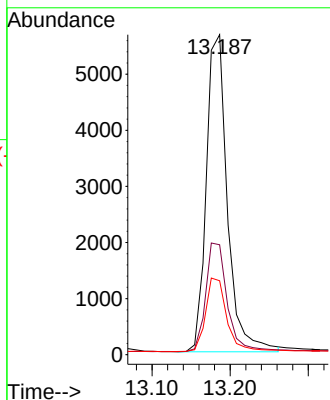
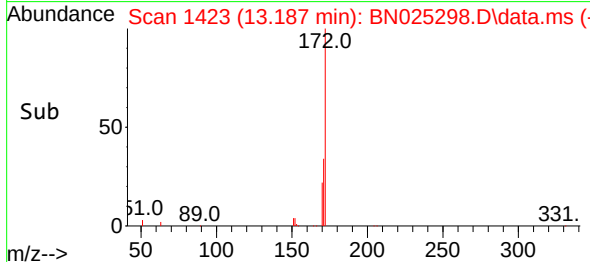
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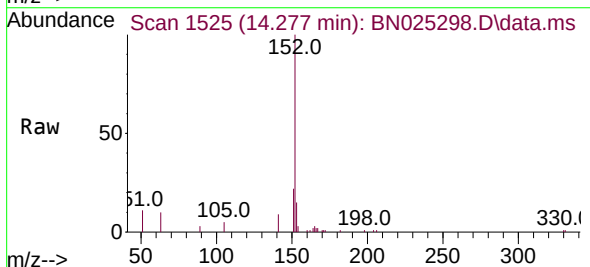
Tgt Ion:172 Resp: 10598
Ion Ratio Lower Upper
172 100
171 34.4 27.9 41.9
170 23.1 19.0 28.4

Manual Integrations
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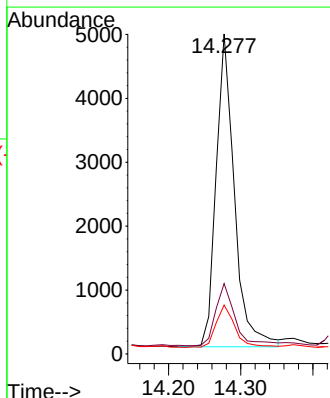
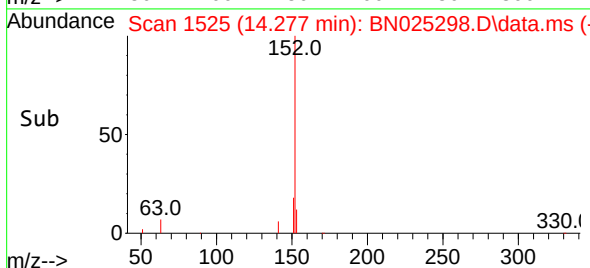
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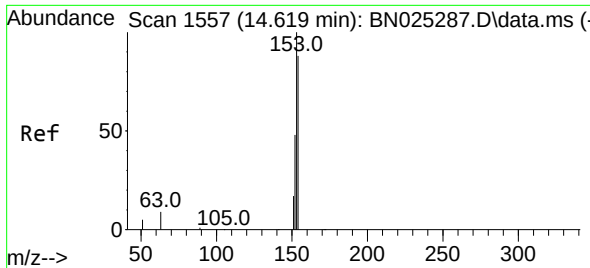


#16
Acenaphthylene
Concen: 0.153 ng
RT: 14.277 min Scan# 1525
Delta R.T. -0.000 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24



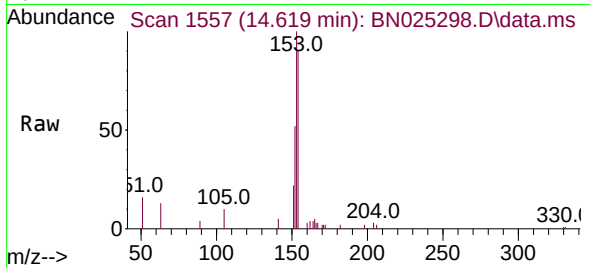
Tgt Ion:152 Resp: 8616
Ion Ratio Lower Upper
152 100
151 21.8 16.1 24.1
153 14.2 10.3 15.5





#17
Acenaphthene
Concen: 0.132 ng
RT: 14.619 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

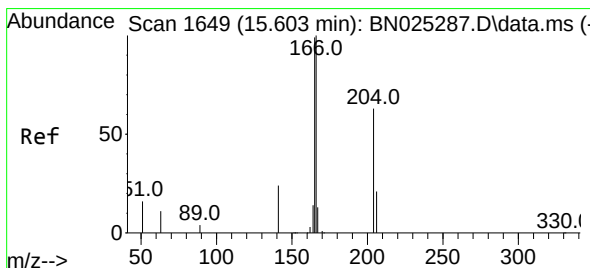
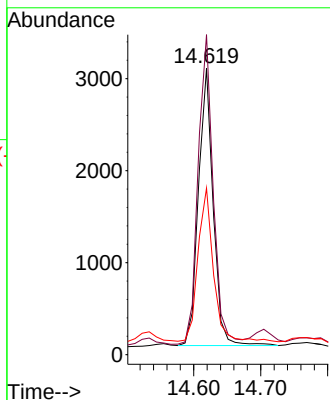
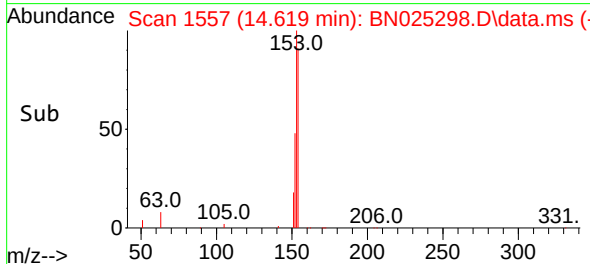
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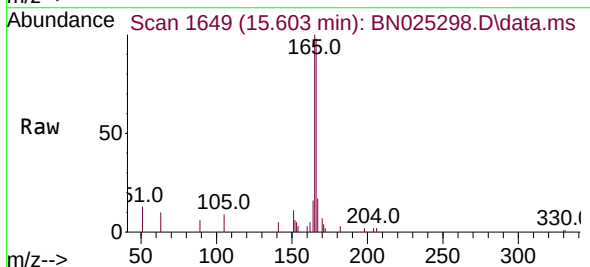
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Ion Ratio Lower Upper
154 100
153 113.9 91.3 136.9
152 58.3 44.7 67.1

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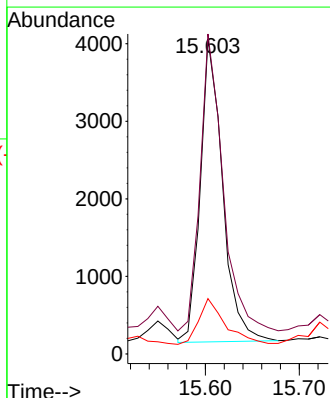
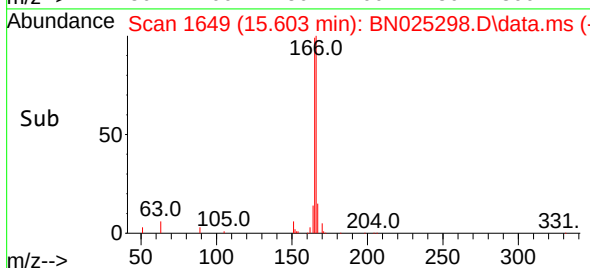
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

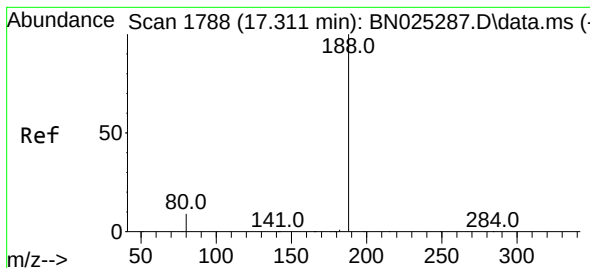


#18
Fluorene
Concen: 0.135 ng
RT: 15.603 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24



Tgt Ion:166 Resp: 6441
Ion Ratio Lower Upper
166 100
165 101.2 79.0 118.4
167 18.0 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: BN025298.D

Acq: 06 May 2023 03:24

Instrument :

BNA_N

ClientSampleId :

ZONE-C-3-6-05012023

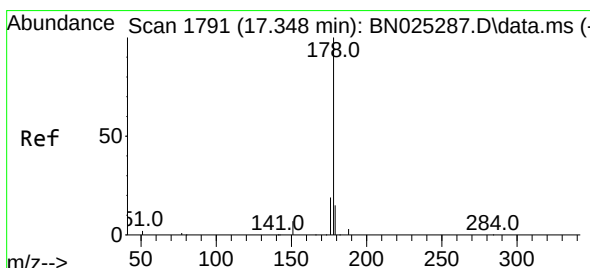
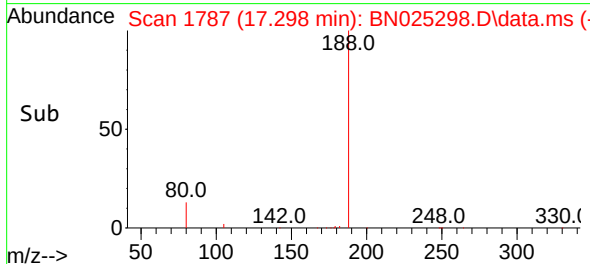
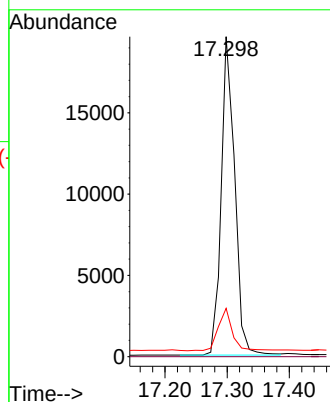
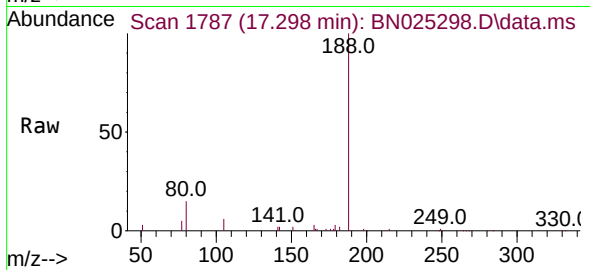
Tgt Ion:188 Resp: 29430
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 15.1 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#25

Phenanthrene

Concen: 1.196 ng

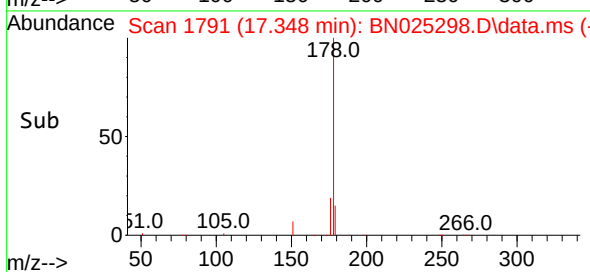
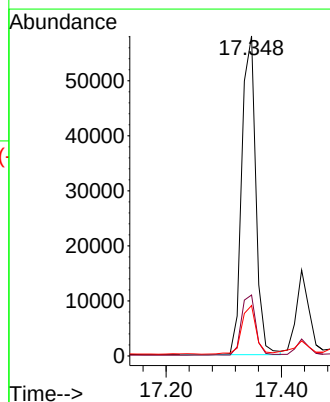
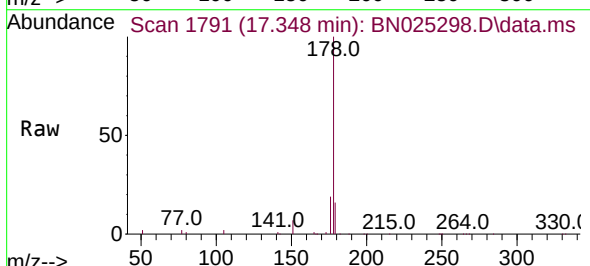
RT: 17.348 min Scan# 1791

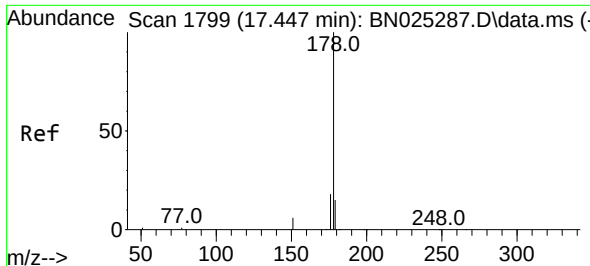
Delta R.T. -0.000 min

Lab File: BN025298.D

Acq: 06 May 2023 03:24

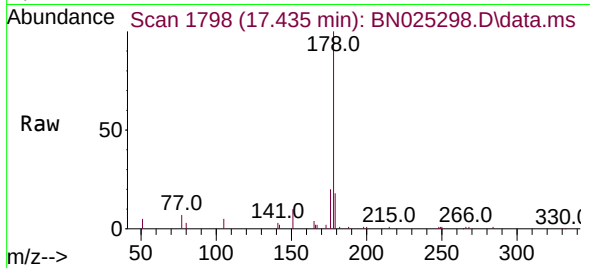
Tgt Ion:178 Resp: 97389
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.5 23.3
 179 15.7 12.4 18.6





#26
 Anthracene
 Concen: 0.326 ng
 RT: 17.435 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN025298.D
 Acq: 06 May 2023 03:24

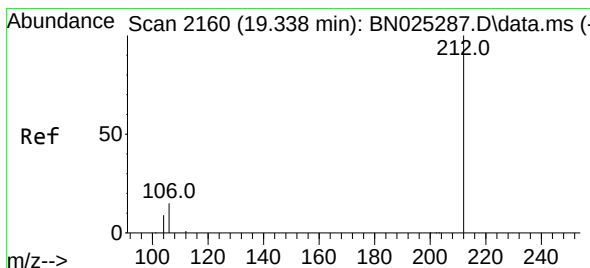
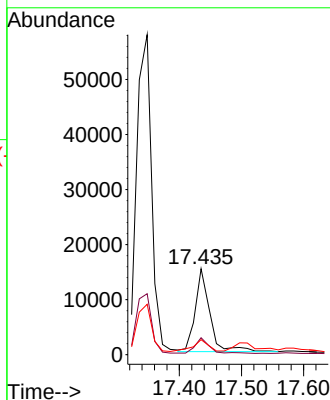
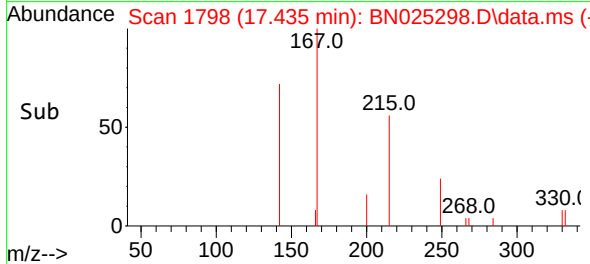
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-C-3-6-05012023



Tgt Ion:178 Resp: 24840
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.9 22.3
 179 14.6 12.0 18.0

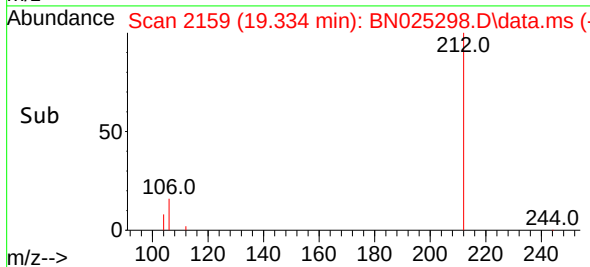
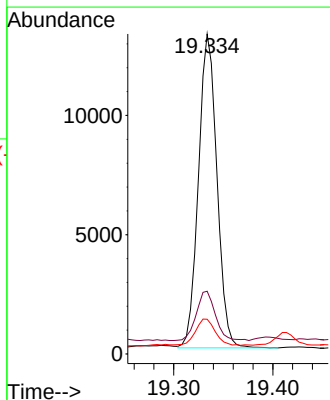
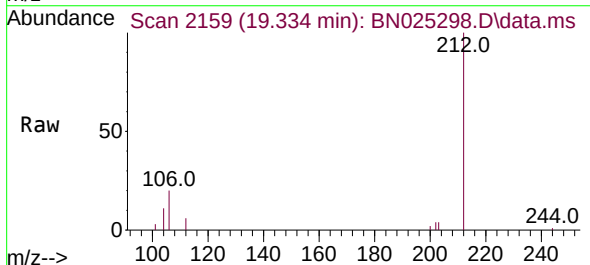
Manual Integrations
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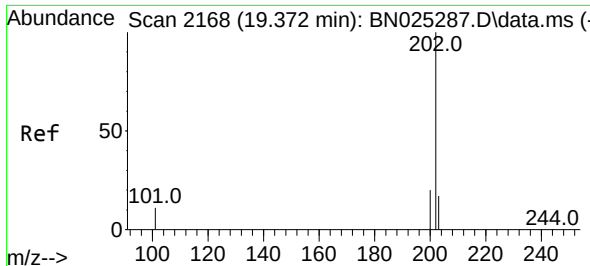
Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



#27
 Fluoranthene-d10
 Concen: 0.235 ng
 RT: 19.334 min Scan# 2159
 Delta R.T. -0.004 min
 Lab File: BN025298.D
 Acq: 06 May 2023 03:24

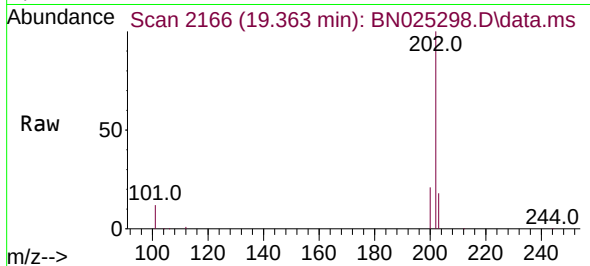
Tgt Ion:212 Resp: 17111
 Ion Ratio Lower Upper
 212 100
 106 16.2 12.6 19.0
 104 9.1 7.0 10.6





#28
Fluoranthene
Concen: 2.413 ng
RT: 19.363 min Scan# 2166
Delta R.T. -0.008 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

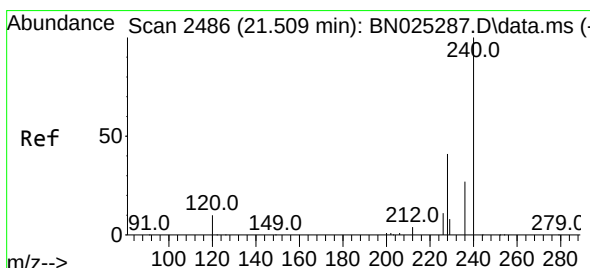
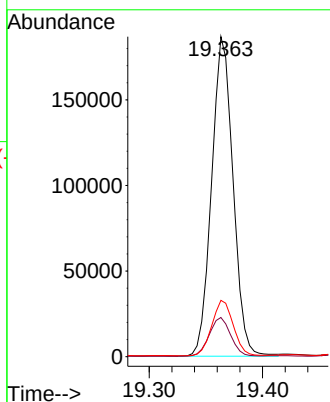
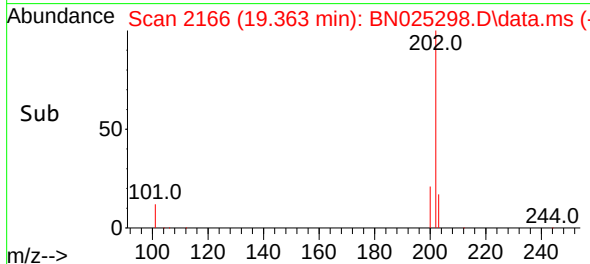
Instrument :
BNA_N
ClientSampleId :
ZONE-C-3-6-05012023



Tgt Ion:202 Resp: 245462
Ion Ratio Lower Upper
202 100
101 12.1 9.8 14.8
203 17.3 13.5 20.3

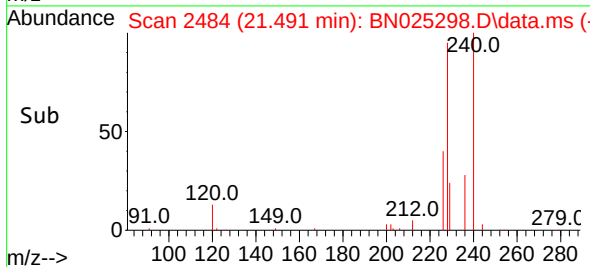
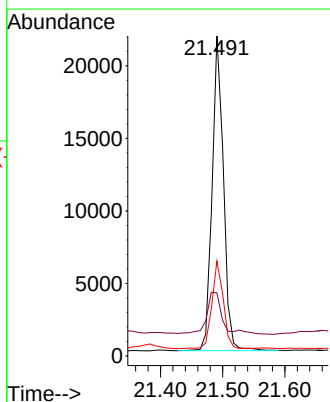
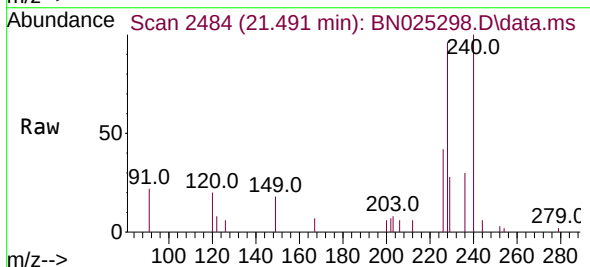
Manual Integrations
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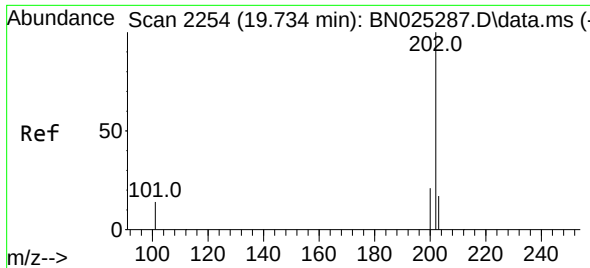
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.491 min Scan# 2484
Delta R.T. -0.018 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

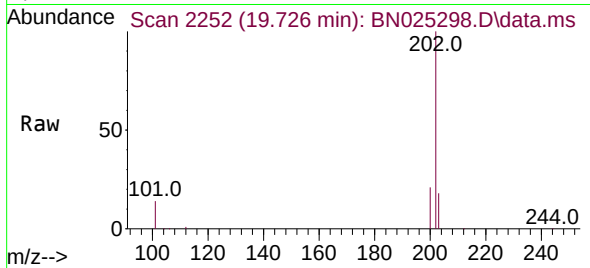
Tgt Ion:240 Resp: 27449
Ion Ratio Lower Upper
240 100
120 19.7 10.3 15.5#
236 29.7 22.3 33.5





#30
Pyrene
Concen: 2.363 ng
RT: 19.726 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

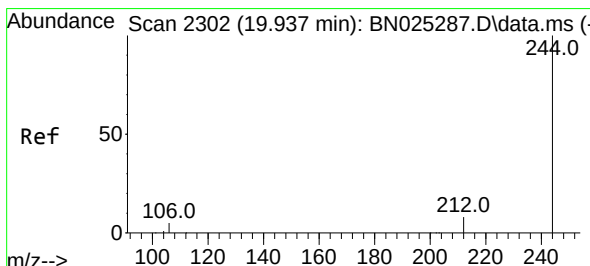
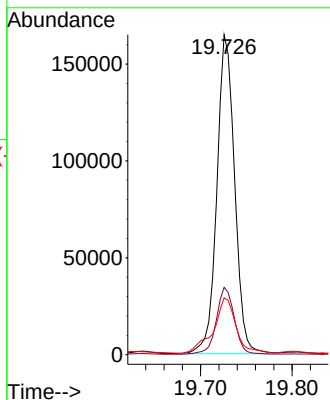
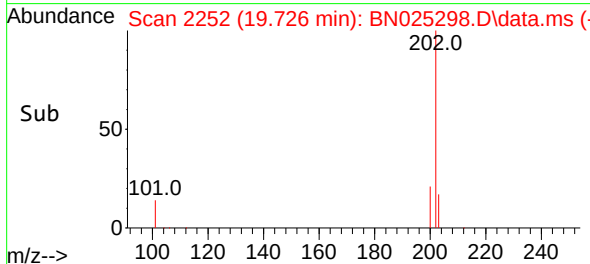
Instrument :
BNA_N
ClientSampleId :
ZONE-C-3-6-05012023



Tgt Ion:202 Resp: 221714
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 21.9 14.4 21.6

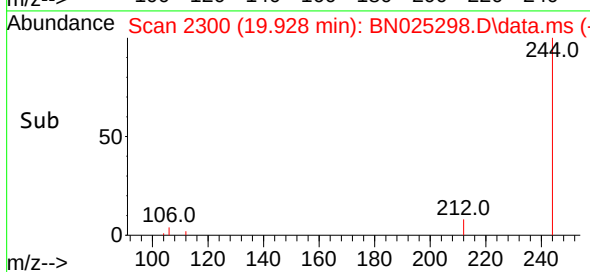
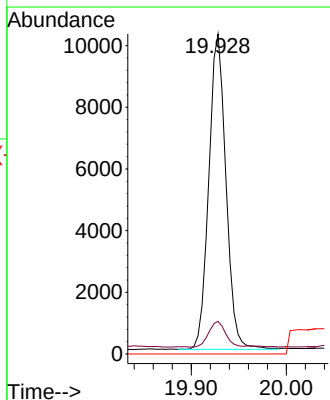
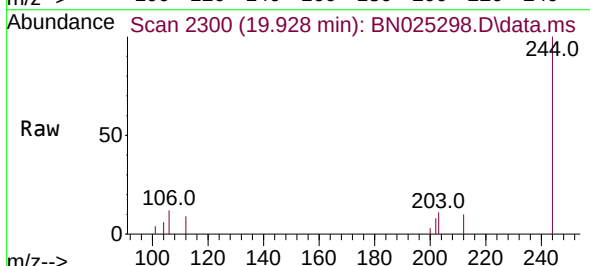
Manual Integrations
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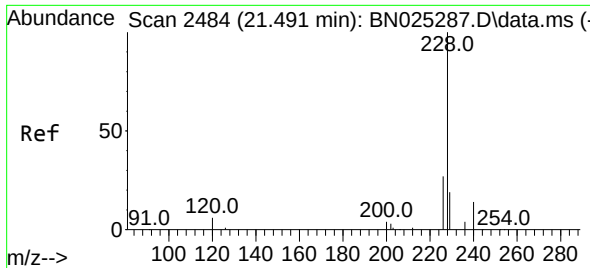
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#31
Terphenyl-d14
Concen: 0.232 ng
RT: 19.928 min Scan# 2300
Delta R.T. -0.008 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

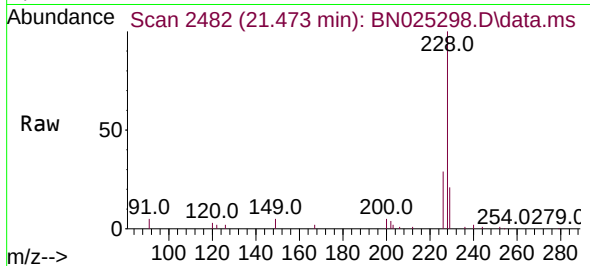
Tgt Ion:244 Resp: 12854
Ion Ratio Lower Upper
244 100
212 10.2 7.1 10.7
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.377 ng
RT: 21.473 min Scan# 2482
Delta R.T. -0.018 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

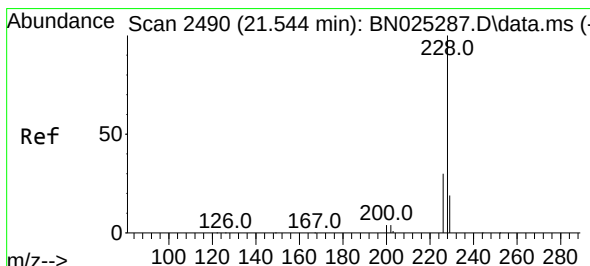
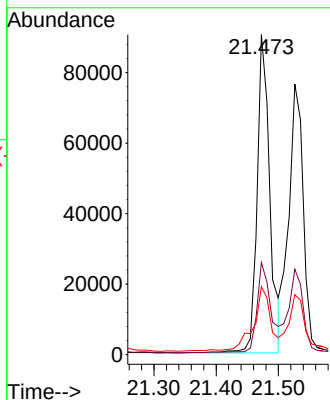
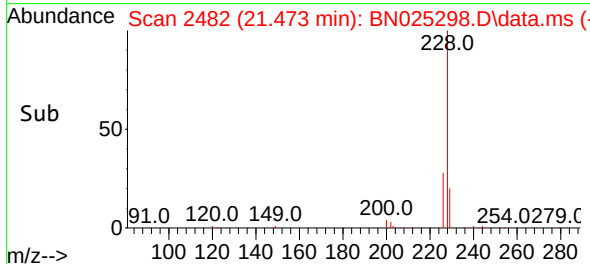
Instrument :
BNA_N
ClientSampleId :
ZONE-C-3-6-05012023



Tgt Ion:228 Resp: 127798
Ion Ratio Lower Upper
228 100
226 28.8 22.5 33.7
229 21.3 16.2 24.2

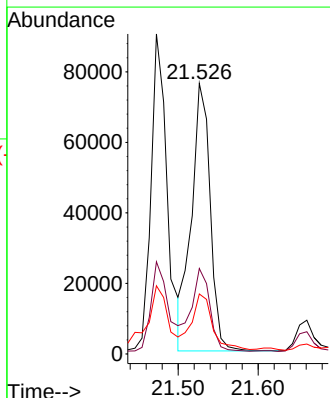
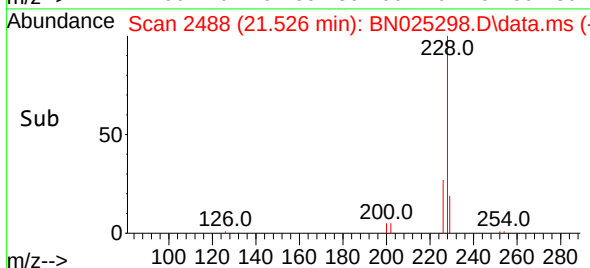
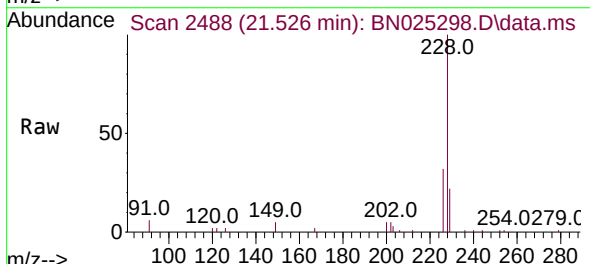
Manual Integrations
APPROVED

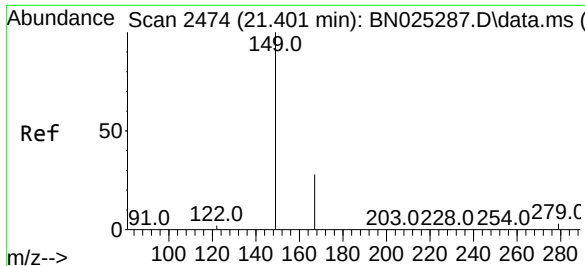
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#33
Chrysene
Concen: 1.339 ng
RT: 21.526 min Scan# 2488
Delta R.T. -0.018 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

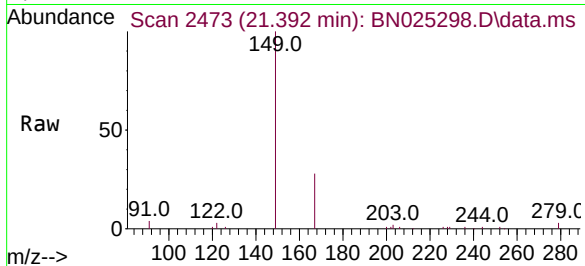
Tgt Ion:228 Resp: 123652
Ion Ratio Lower Upper
228 100
226 31.6 24.6 36.8
229 22.2 16.2 24.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 1.624 ng
RT: 21.392 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

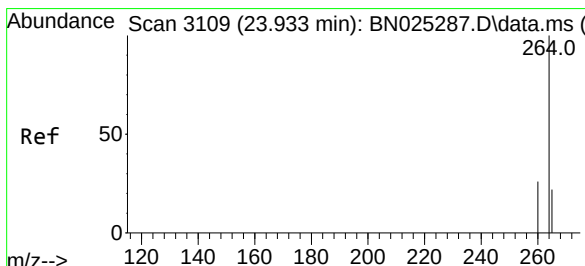
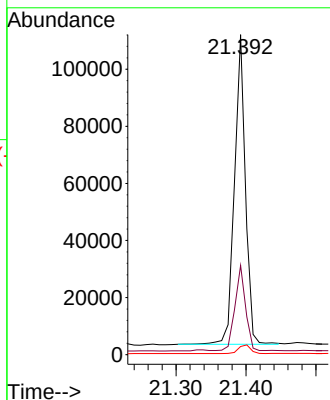
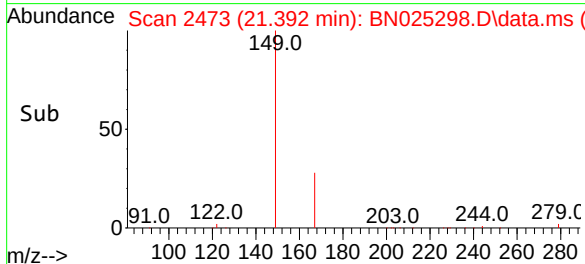
Instrument :
BNA_N
ClientSampleId :
ZONE-C-3-6-05012023



Tgt Ion:149 Resp: 118249
Ion Ratio Lower Upper
149 100
167 26.5 22.2 33.4
279 3.1 2.6 4.0

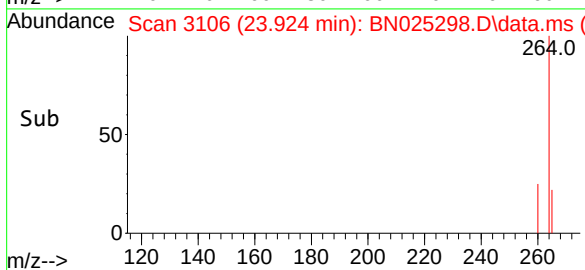
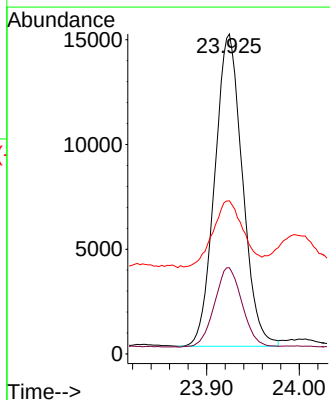
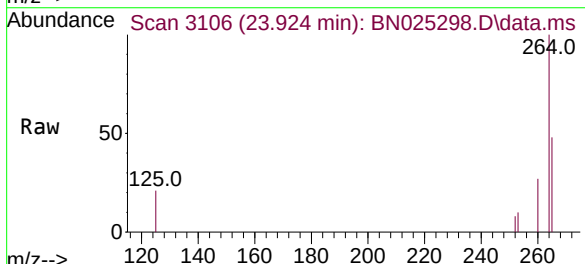
Manual Integrations
APPROVED

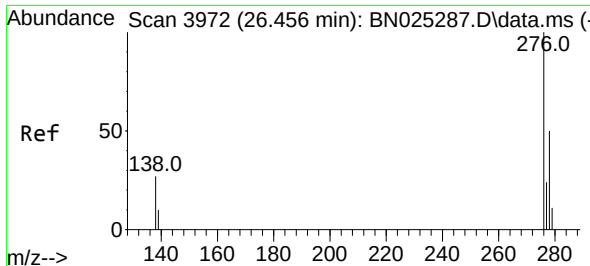
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.924 min Scan# 3106
Delta R.T. -0.009 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

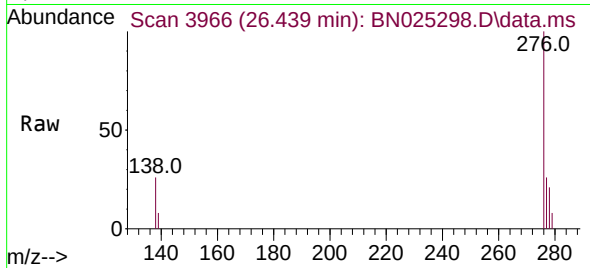
Tgt Ion:264 Resp: 30919
Ion Ratio Lower Upper
264 100
260 26.9 21.5 32.3
265 47.9 46.2 69.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.611 ng
RT: 26.439 min Scan# 3972
Delta R.T. -0.018 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

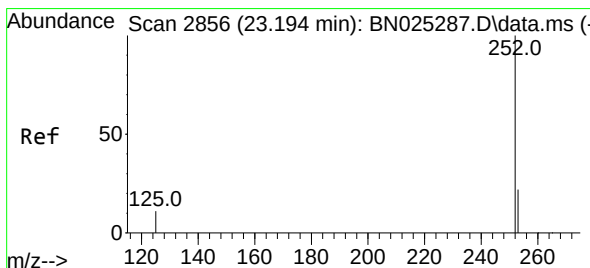
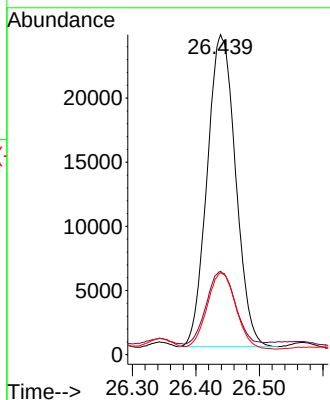
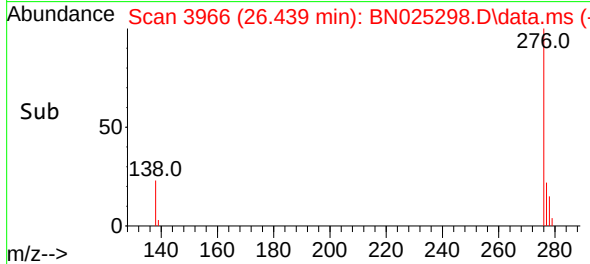
Instrument :
BNA_N
ClientSampleId :
ZONE-C-3-6-05012023



Tgt Ion:276 Resp: 7568
Ion Ratio Lower Upper
276 100
138 23.4 22.5 33.7
277 24.9 19.8 29.6

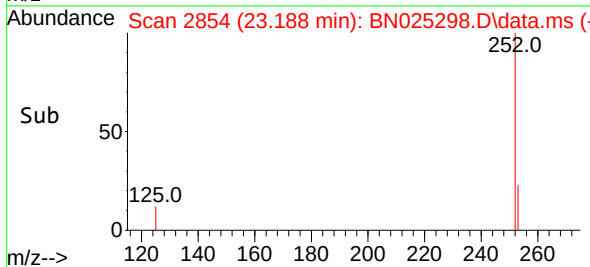
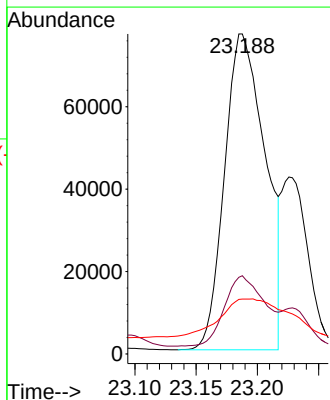
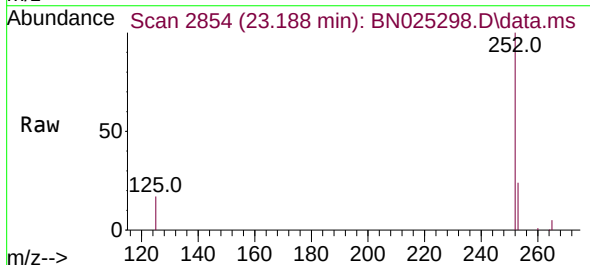
Manual Integrations
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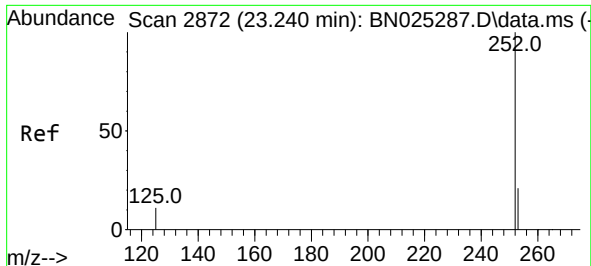
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#37
Benzo(b)fluoranthene
Concen: 1.811 ng
RT: 23.188 min Scan# 2854
Delta R.T. -0.006 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

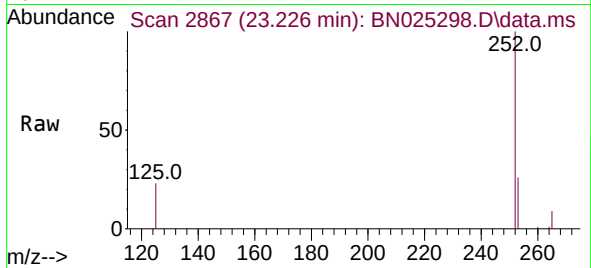
Tgt Ion:252 Resp: 177493
Ion Ratio Lower Upper
252 100
253 24.4 20.8 31.2
125 17.2 13.4 20.2





#38
Benzo(k)fluoranthene
Concen: 0.614 ng m
RT: 23.226 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

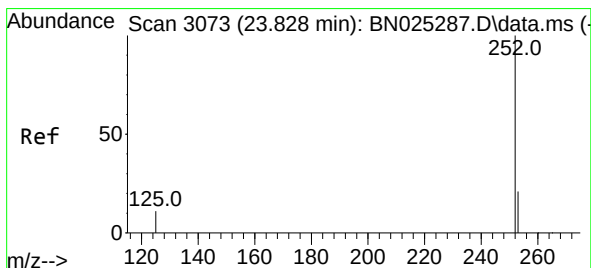
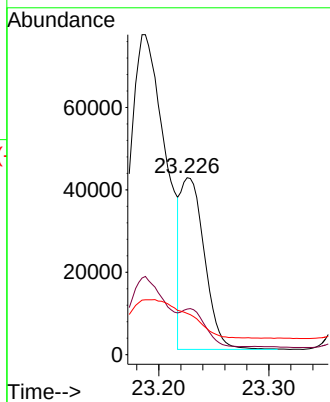
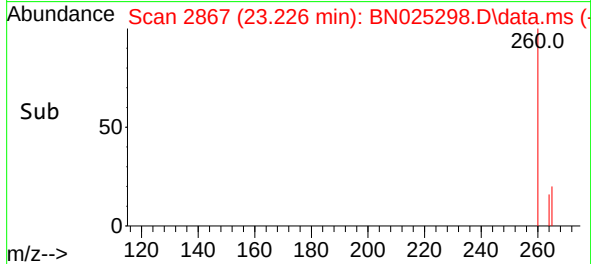
Instrument :
BNA_N
ClientSampleId :
ZONE-C-3-6-05012023



Tgt Ion:252 Resp: 63044
Ion Ratio Lower Upper
252 100
253 25.8 20.6 30.8
125 23.3 13.1 19.7

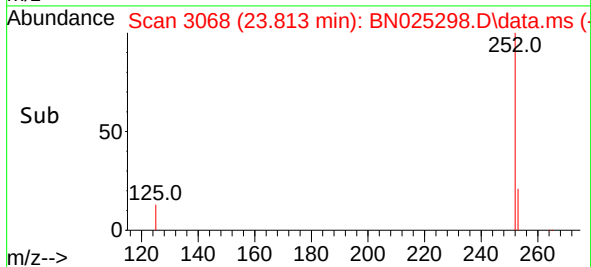
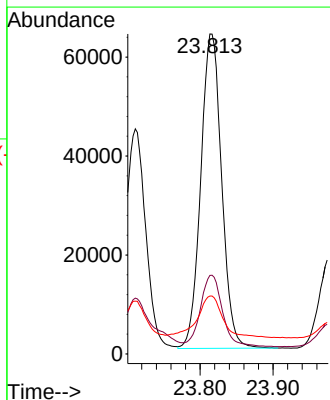
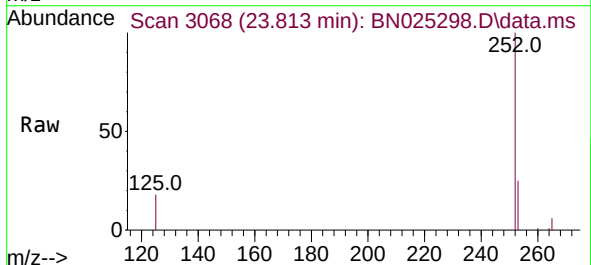
Manual Integrations
APPROVED

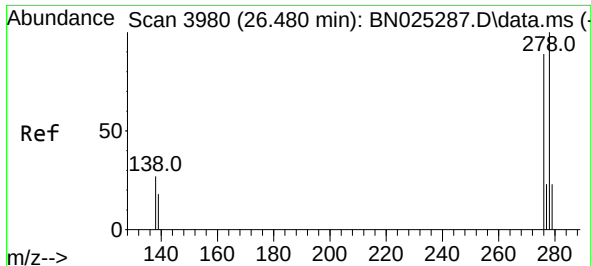
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#39
Benzo(a)pyrene
Concen: 1.258 ng
RT: 23.813 min Scan# 3068
Delta R.T. -0.015 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

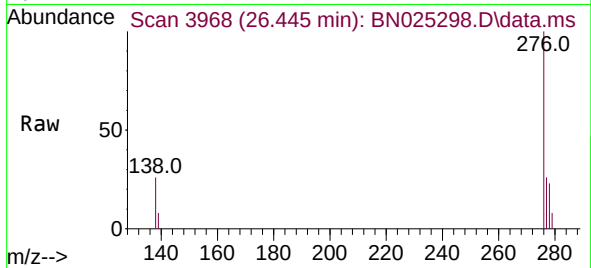
Tgt Ion:252 Resp: 126353
Ion Ratio Lower Upper
252 100
253 24.5 21.4 32.0
125 18.1 15.4 23.2





#40
Dibenzo(a,h)anthracene
Concen: 0.195 ng
RT: 26.445 min Scan# 3968
Delta R.T. -0.035 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

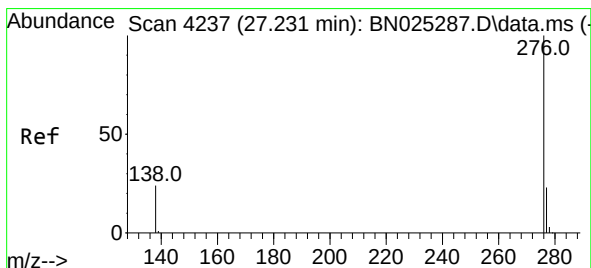
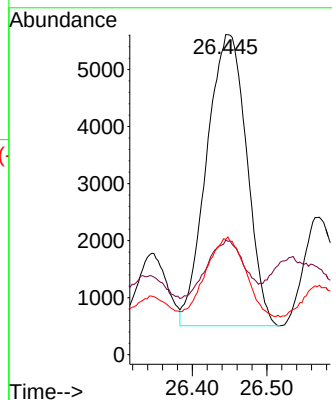
Instrument :
BNA_N
ClientSampleId :
ZONE-C-3-6-05012023



Tgt Ion:278 Resp: 19052
Ion Ratio Lower Upper
278 100
139 35.8 17.6 26.4
279 36.0 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: 0.677 ng
RT: 27.222 min Scan# 4234
Delta R.T. -0.009 min
Lab File: BN025298.D
Acq: 06 May 2023 03:24

Tgt Ion:276 Resp: 72731
Ion Ratio Lower Upper
276 100
277 24.8 20.1 30.1
138 26.2 21.0 31.6

