

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
 Data File : BN025338.D
 Acq On : 08 May 2023 18:21
 Operator : CG/JU
 Sample : 02588-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-A-3-6-05022023

Quant Time: May 09 04:03:22 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 18:27:02 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/09/2023
 Supervised By :Jagrut Upadhyay 05/09/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	4573	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	14822	0.400	ng	0.00
13) Acenaphthene-d10	14.544	164	9404	0.400	ng	0.00
19) Phenanthrene-d10	17.298	188	21657	0.400	ng	0.00
29) Chrysene-d12	21.495	240	23678	0.400	ng	# 0.00
35) Perylene-d12	23.923	264	25806	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	4017	0.361	ng	0.00
5) Phenol-d6	7.081	99	5231	0.375	ng	0.00
8) Nitrobenzene-d5	9.084	82	3812	0.313	ng	0.00
11) 2-Methylnaphthalene-d10	12.306	152	7319	0.361	ng	0.00
14) 2,4,6-Tribromophenol	16.045	330	1645	0.342	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	10758	0.334	ng	0.00
27) Fluoranthene-d10	19.330	212	17968	0.335	ng	0.00
31) Terphenyl-d14	19.924	244	13660	0.286	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.761	128	15420	0.406	ng	99
12) 2-Methylnaphthalene	12.377	142	6272	0.233	ng	98
16) Acenaphthylene	14.266	152	23434	0.557	ng	100
17) Acenaphthene	14.609	154	5027	0.192	ng	99
18) Fluorene	15.603	166	8013	0.223	ng	# 97
25) Phenanthrene	17.336	178	137494	2.295	ng	100
26) Anthracene	17.435	178	33513	0.597	ng	99
28) Fluoranthene	19.363	202	359299	4.799	ng	99
30) Pyrene	19.726	202	332151	4.103	ng	96
32) Benzo(a)anthracene	21.477	228	196018	2.449	ng	98
33) Chrysene	21.531	228	214181	2.689	ng	99
34) Bis(2-ethylhexyl)phtha...	21.388	149	21221	0.338	ng	98
36) Indeno(1,2,3-cd)pyrene	26.437	276	122986	1.189	ng	95
37) Benzo(b)fluoranthene	23.180	252	298832	3.653	ng	95
38) Benzo(k)fluoranthene	23.224	252	94280m	1.101	ng	
39) Benzo(a)pyrene	23.812	252	202834	2.420	ng	93
40) Dibenzo(a,h)anthracene	26.443	278	30853	0.378	ng	# 86
41) Benzo(g,h,i)perylene	27.212	276	117298	1.307	ng	98

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

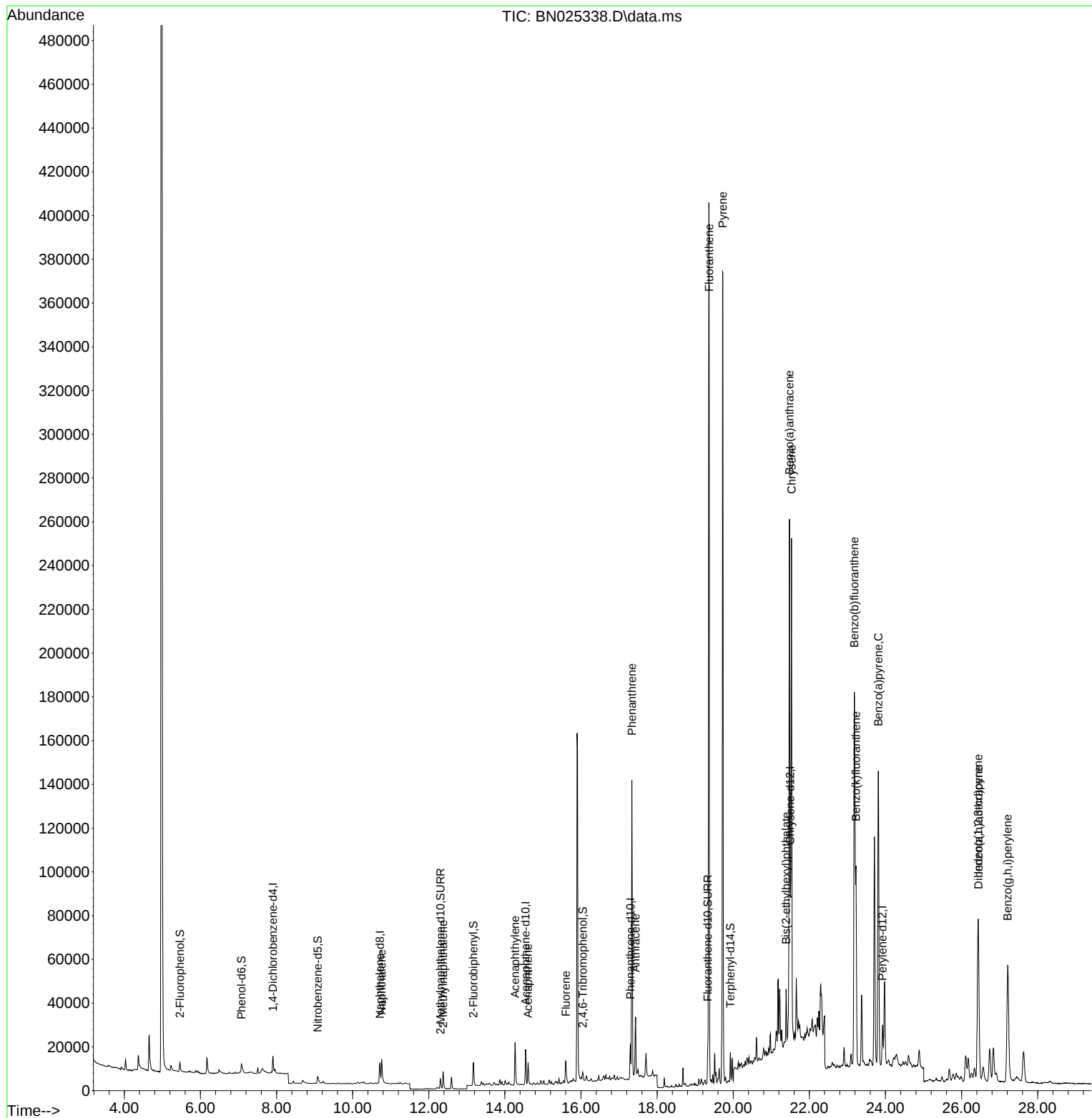
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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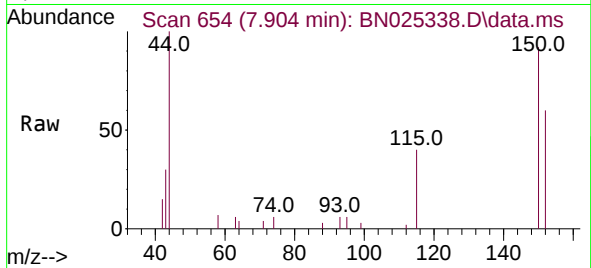
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

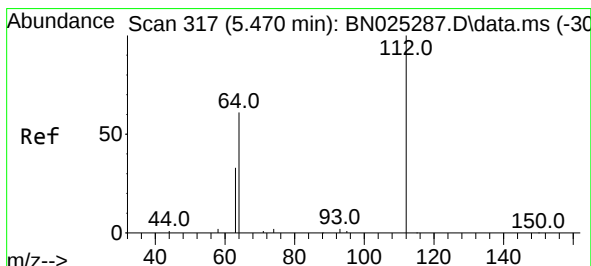
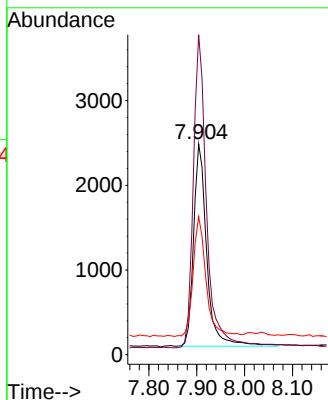
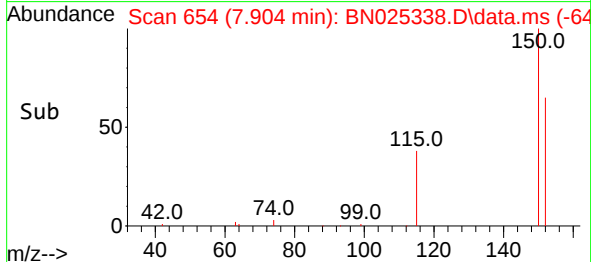
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



Tgt Ion:152 Resp: 457
Ion Ratio Lower Upper
152 100
150 151.9 123.8 185.8
115 65.6 52.9 79.3

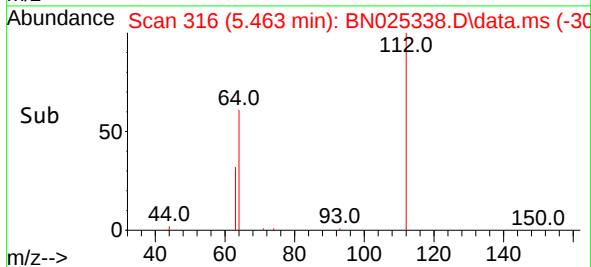
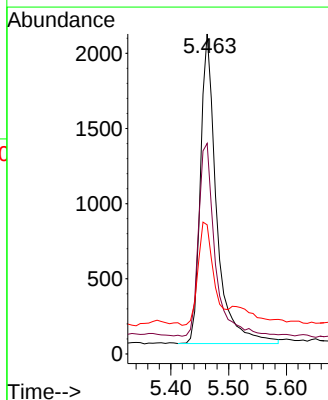
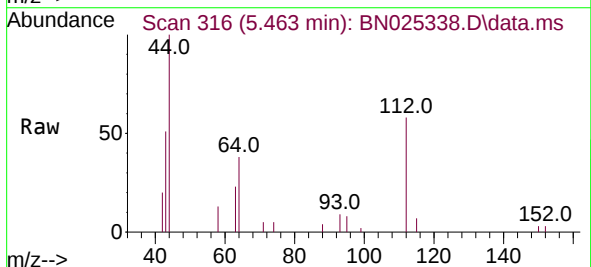
Manual Integrations
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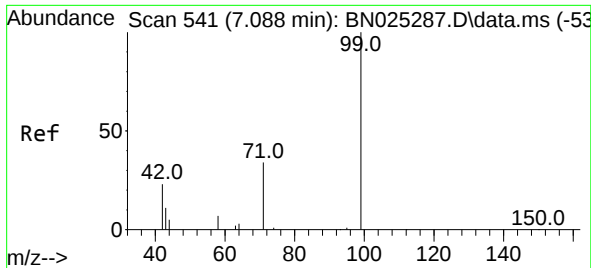
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#4
2-Fluorophenol
Concen: 0.361 ng
RT: 5.463 min Scan# 316
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

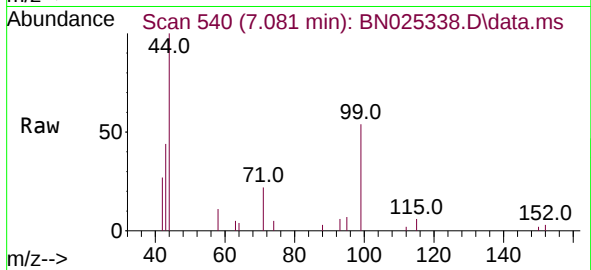
Tgt Ion:112 Resp: 4017
Ion Ratio Lower Upper
112 100
64 63.8 51.5 77.3
63 32.7 27.8 41.6





#5
Phenol-d6
Concen: 0.375 ng
RT: 7.081 min Scan# 541
Delta R.T. 0.007 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

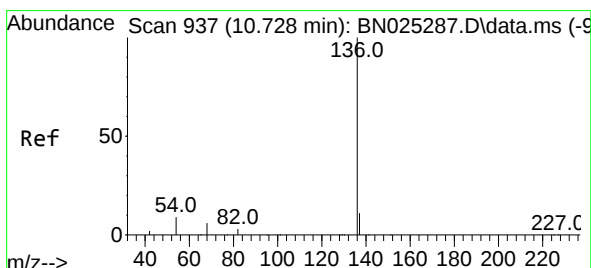
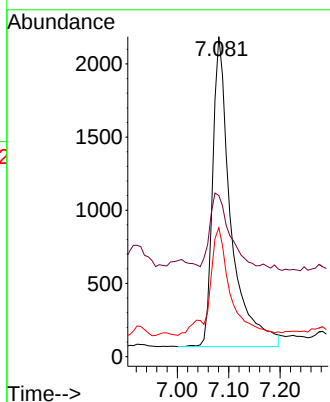
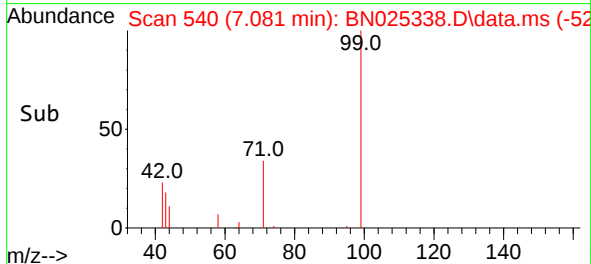
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



Tgt Ion: 99 Resp: 523
Ion Ratio Lower Upper
99 100
42 27.4 22.0 33.0
71 39.0 28.7 43.1

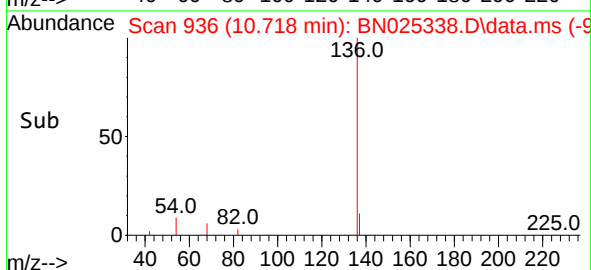
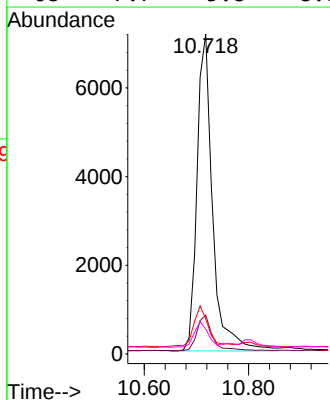
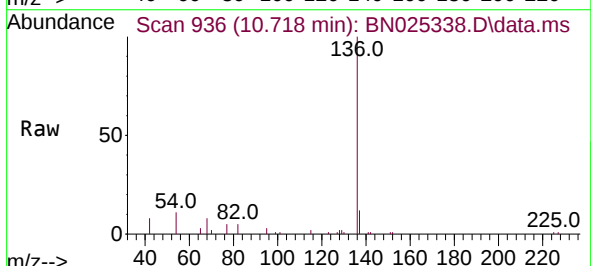
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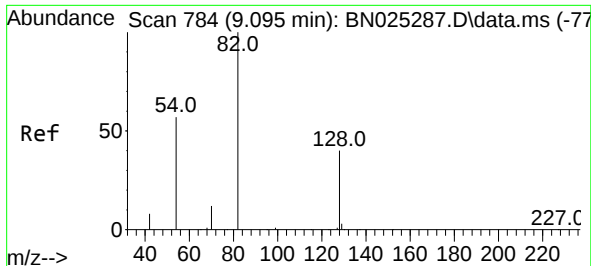
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

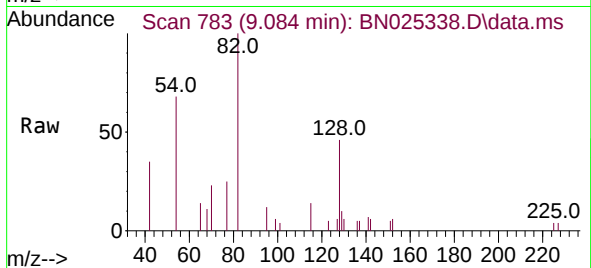
Tgt Ion:136 Resp: 14822
Ion Ratio Lower Upper
136 100
137 12.2 9.4 14.2
54 10.9 8.5 12.7
68 7.7 5.8 8.8





#8
Nitrobenzene-d5
Concen: 0.313 ng
RT: 9.084 min Scan# 784
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

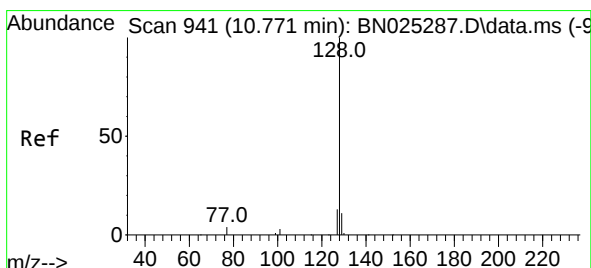
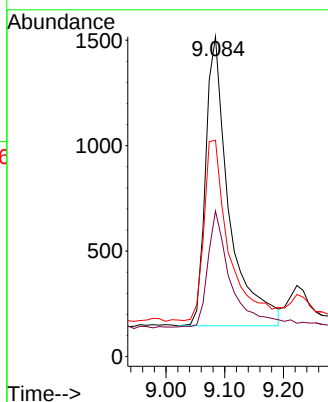
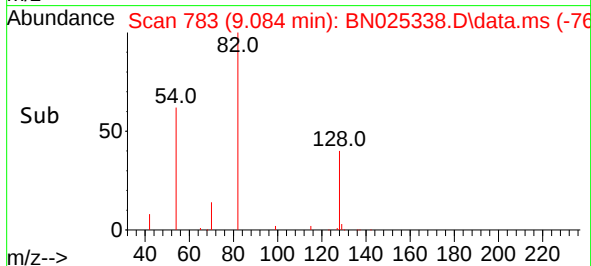
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



Tgt Ion: 82 Resp: 3812
Ion Ratio Lower Upper
82 100
128 45.6 35.3 52.9
54 67.6 48.7 73.1

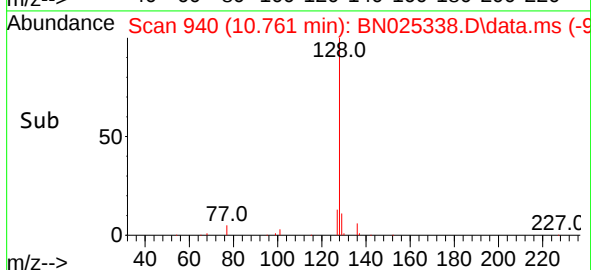
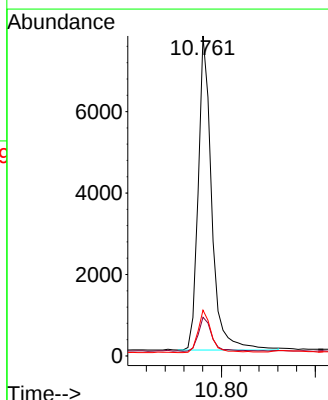
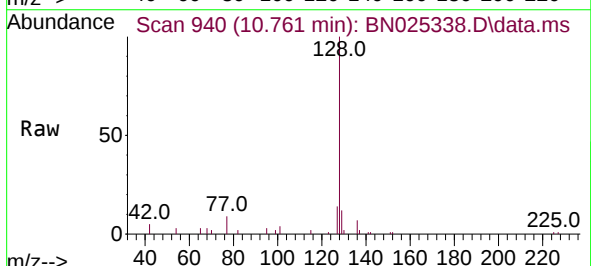
Manual Integrations
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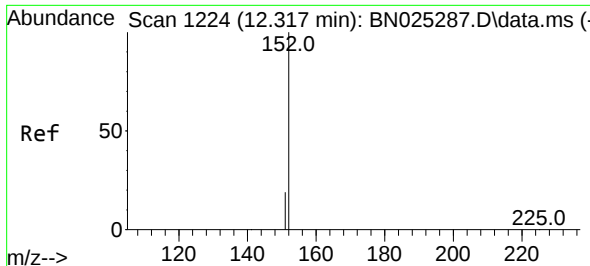
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#9
Naphthalene
Concen: 0.406 ng
RT: 10.761 min Scan# 940
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

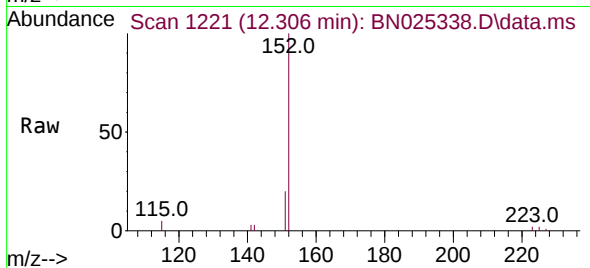
Tgt Ion:128 Resp: 15420
Ion Ratio Lower Upper
128 100
129 12.1 9.4 14.2
127 14.3 11.0 16.6





#11
2-Methylnaphthalene-d10
Concen: 0.361 ng
RT: 12.306 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

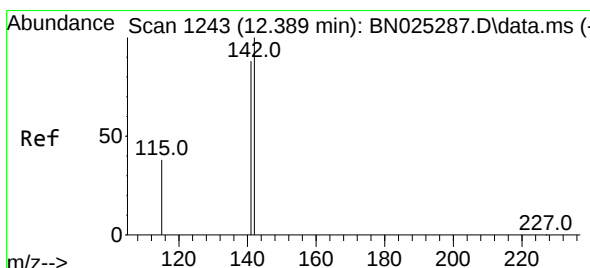
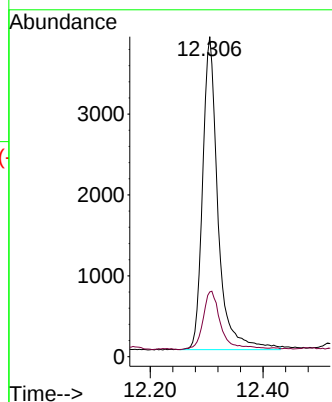
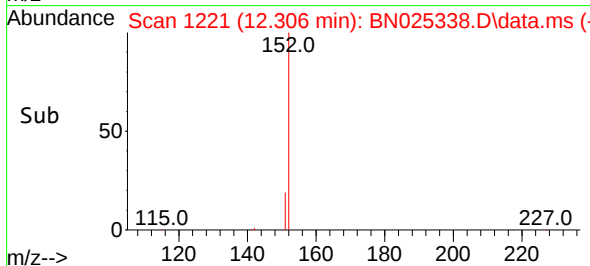
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



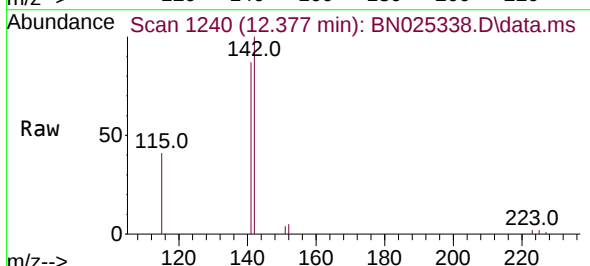
Tgt Ion:152 Resp: 7319
Ion Ratio Lower Upper
152 100
151 21.9 16.4 24.6

Manual Integrations
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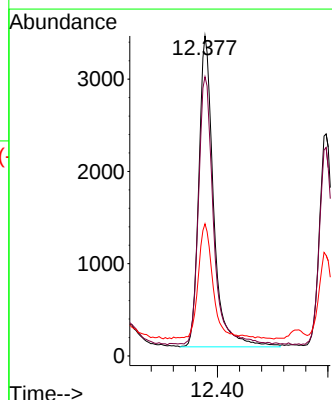
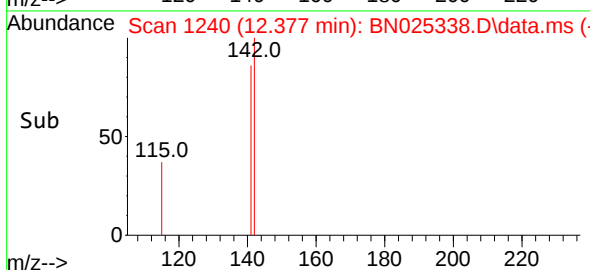
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

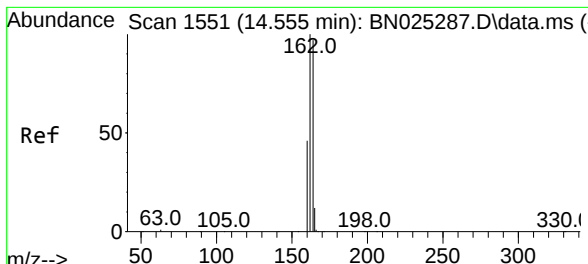


#12
2-Methylnaphthalene
Concen: 0.233 ng
RT: 12.377 min Scan# 1240
Delta R.T. -0.004 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21



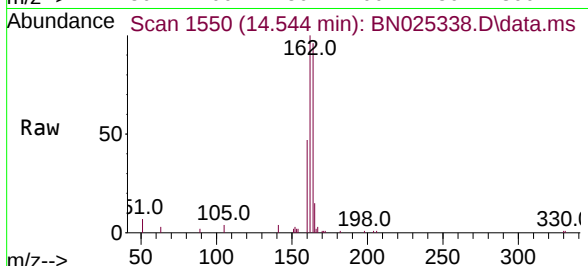
Tgt Ion:142 Resp: 6272
Ion Ratio Lower Upper
142 100
141 87.3 70.5 105.7
115 41.3 31.6 47.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

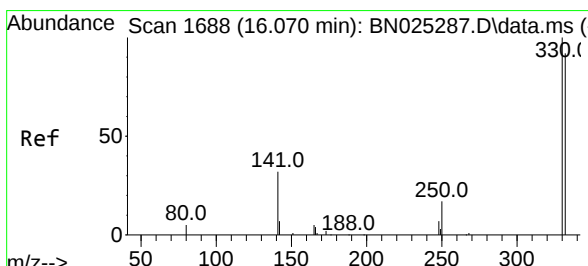
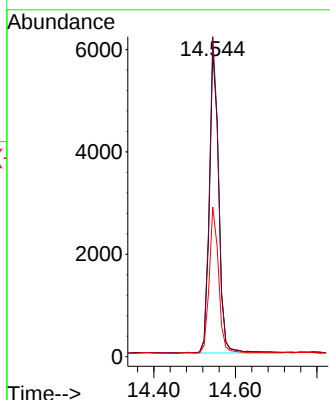
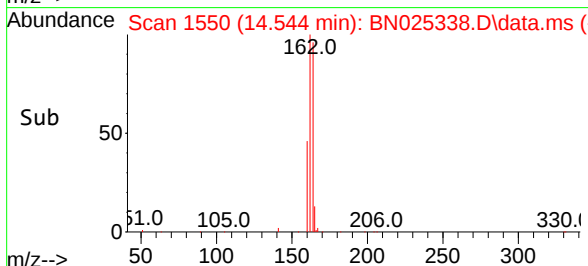
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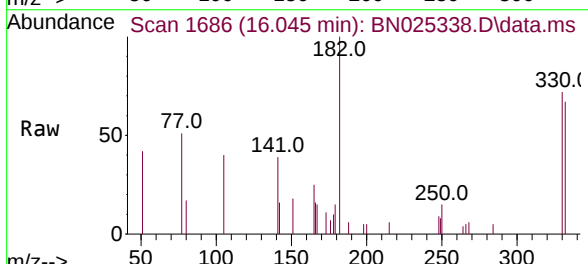
Tgt Ion:164 Resp: 9404
Ion Ratio Lower Upper
164 100
162 104.5 82.1 123.1
160 48.8 38.3 57.5

Manual Integrations
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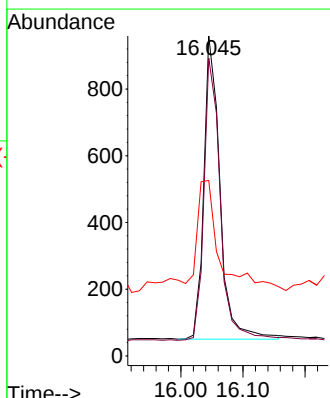
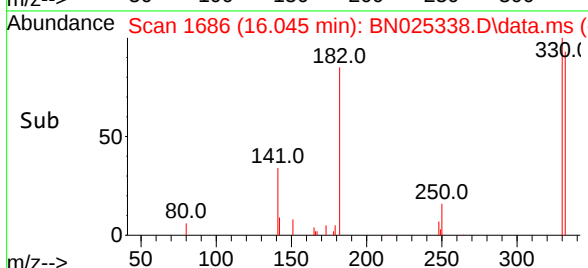
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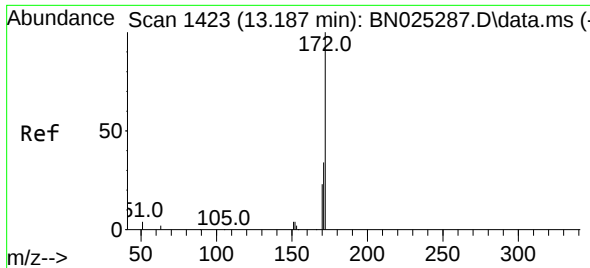


#14
2,4,6-Tribromophenol
Concen: 0.342 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.013 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21



Tgt Ion:330 Resp: 1645
Ion Ratio Lower Upper
330 100
332 94.0 77.4 116.0
141 43.0 28.9 43.3





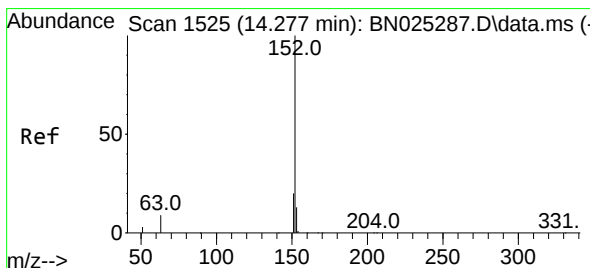
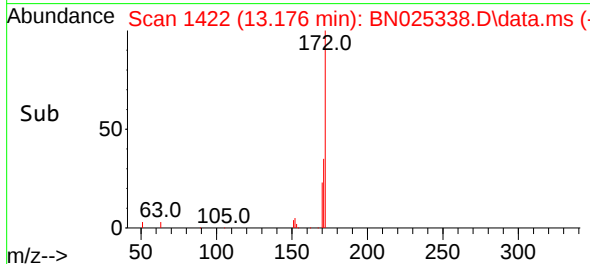
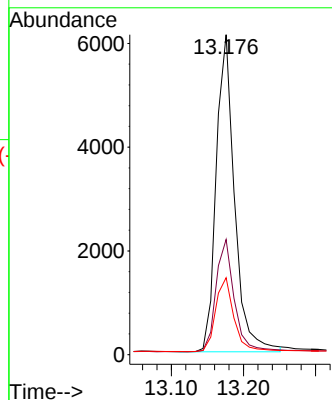
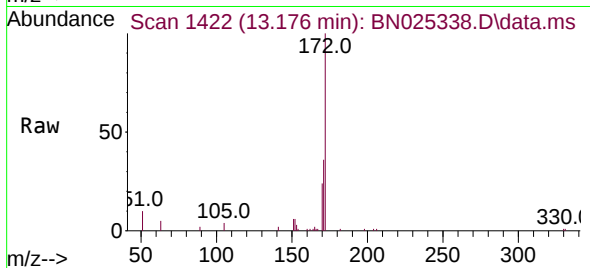
#15
2-Fluorobiphenyl
Concen: 0.334 ng
RT: 13.176 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

Tgt Ion:172 Resp: 10758
Ion Ratio Lower Upper
172 100
171 36.0 27.9 41.9
170 24.0 19.0 28.4

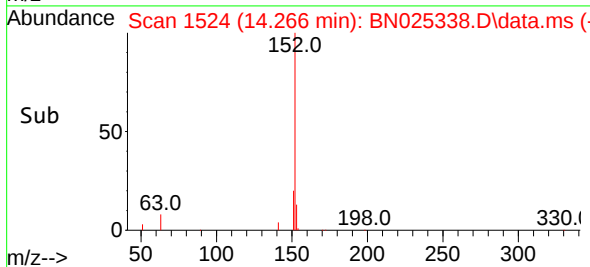
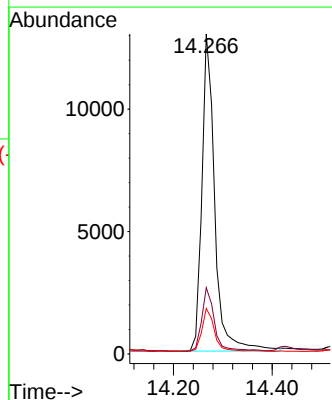
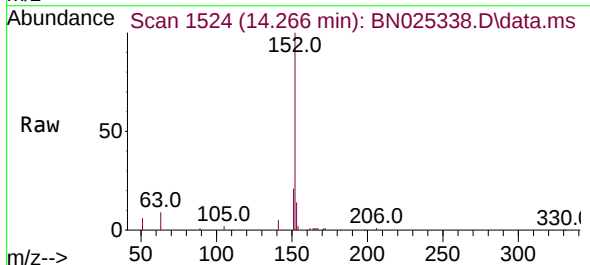
Manual Integrations
APPROVED

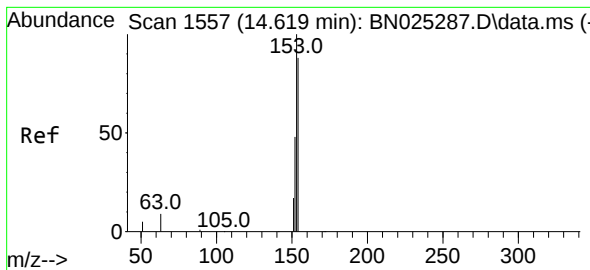
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#16
Acenaphthylene
Concen: 0.557 ng
RT: 14.266 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

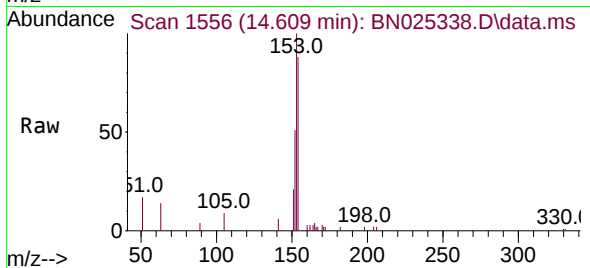
Tgt Ion:152 Resp: 23434
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.0 10.3 15.5





#17
Acenaphthene
Concen: 0.192 ng
RT: 14.609 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

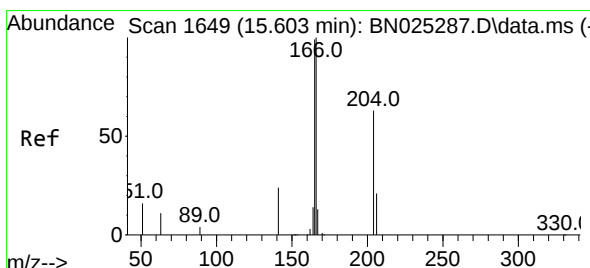
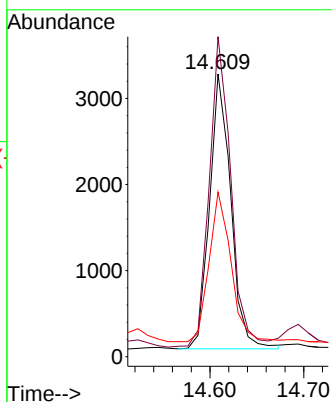
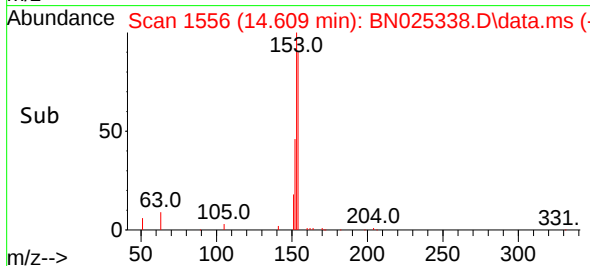
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



Tgt Ion:154 Resp: 502
Ion Ratio Lower Upper
154 100
153 114.4 91.3 136.9
152 57.7 44.7 67.1

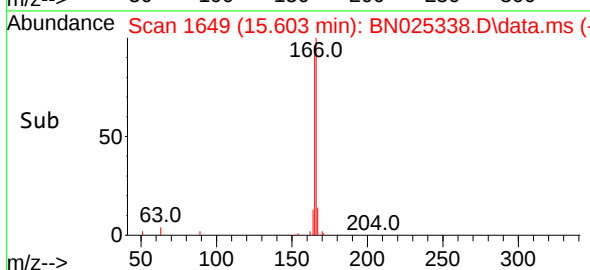
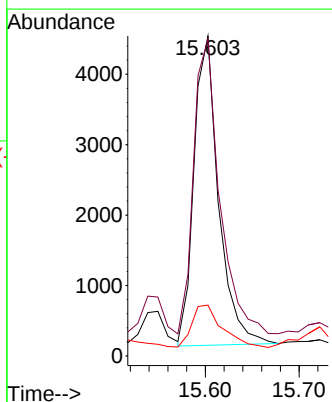
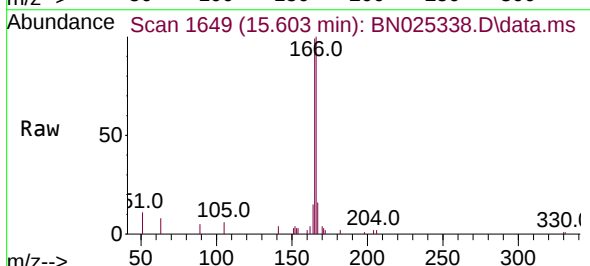
Manual Integrations
APPROVED

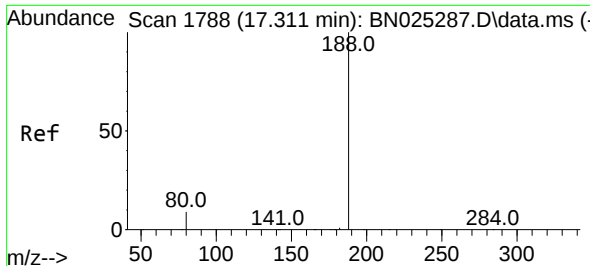
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#18
Fluorene
Concen: 0.223 ng
RT: 15.603 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Tgt Ion:166 Resp: 8013
Ion Ratio Lower Upper
166 100
165 100.6 79.0 118.4
167 17.1 10.3 15.5#





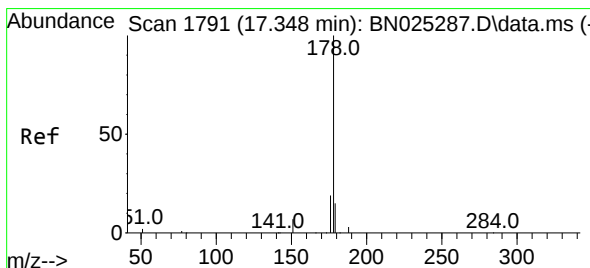
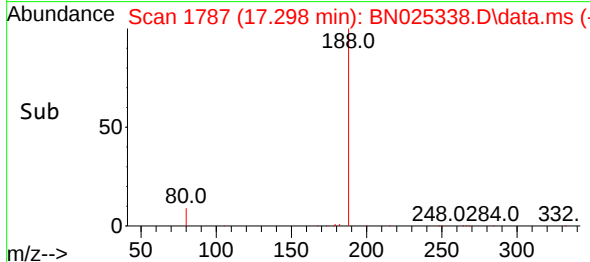
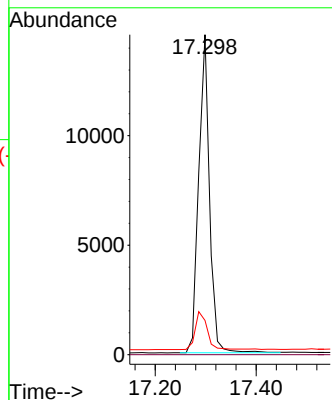
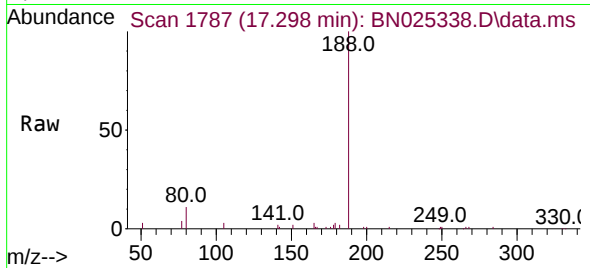
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.298 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023

Tgt Ion:188 Resp: 2165
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 8.0 12.0

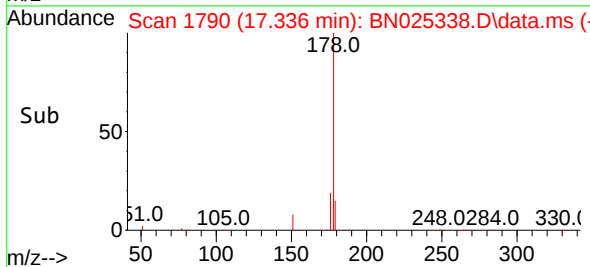
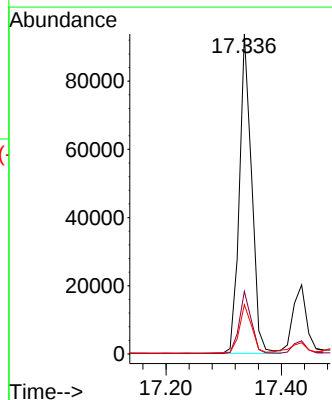
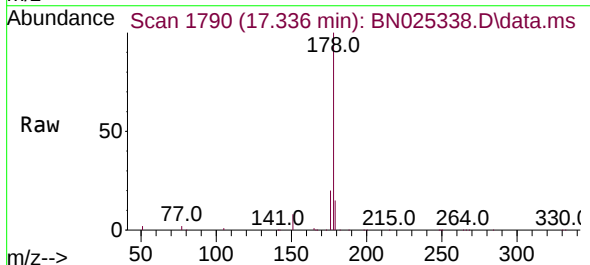
Manual Integrations
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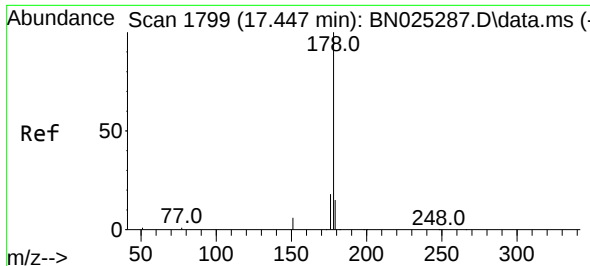
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#25
Phenanthrene
Concen: 2.295 ng
RT: 17.336 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Tgt Ion:178 Resp: 137494
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.4 18.6





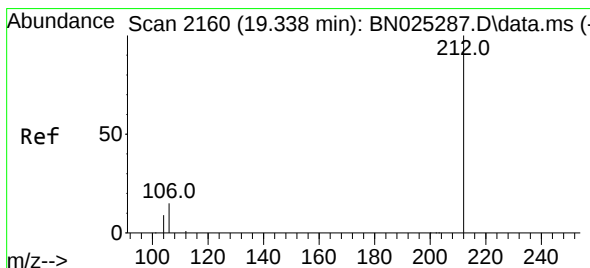
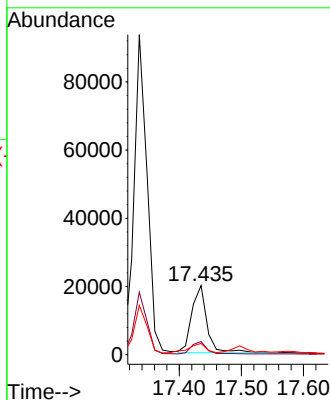
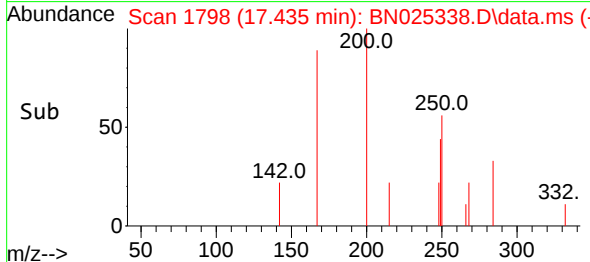
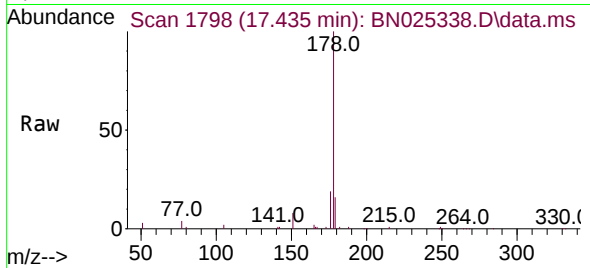
#26
 Anthracene
 Concen: 0.597 ng
 RT: 17.435 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN025338.D
 Acq: 08 May 2023 18:21

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-A-3-6-05022023

Tgt Ion:178 Resp: 3351
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.9 22.3
 179 15.6 12.0 18.0

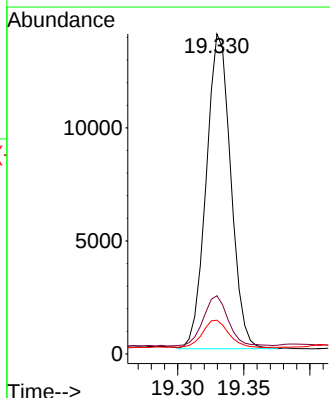
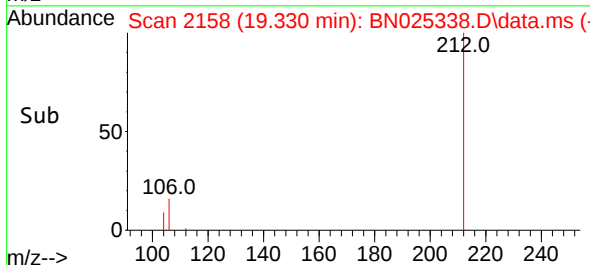
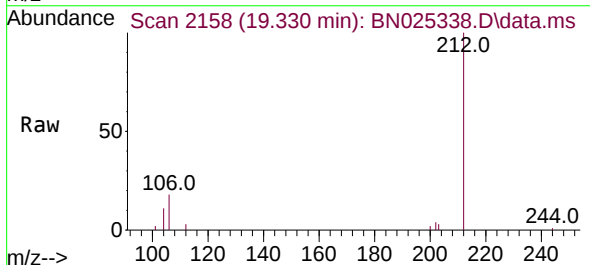
Manual Integrations
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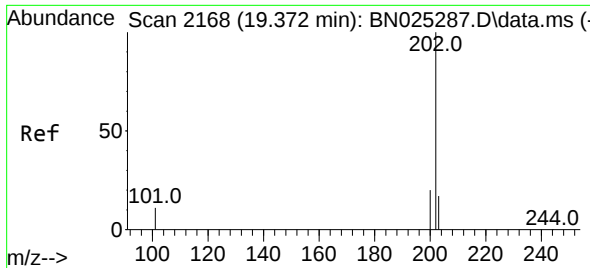
Reviewed By :Christian Giraldo 05/09/2023
 Supervised By :Jagrut Upadhyay 05/09/2023



#27
 Fluoranthene-d10
 Concen: 0.335 ng
 RT: 19.330 min Scan# 2158
 Delta R.T. -0.004 min
 Lab File: BN025338.D
 Acq: 08 May 2023 18:21

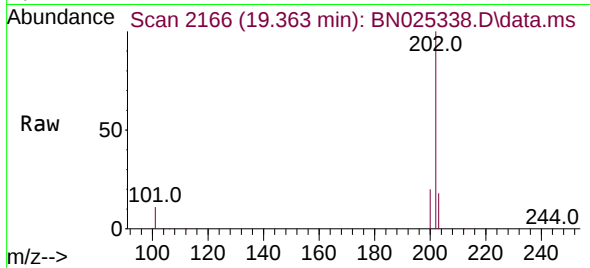
Tgt Ion:212 Resp: 17968
 Ion Ratio Lower Upper
 212 100
 106 16.1 12.6 19.0
 104 9.4 7.0 10.6





#28
Fluoranthene
Concen: 4.799 ng
RT: 19.363 min Scan# 2166
Delta R.T. -0.000 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

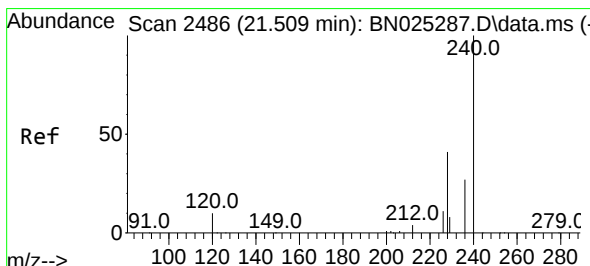
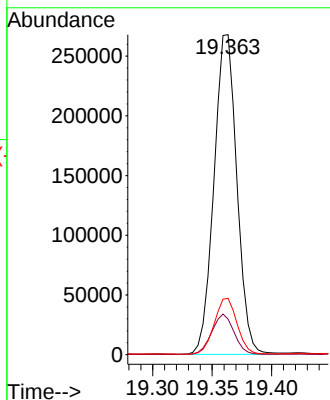
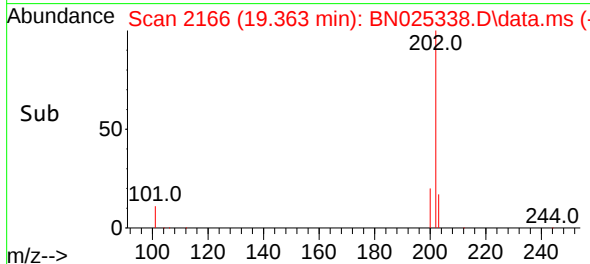
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



Tgt Ion:202 Resp: 359299
Ion Ratio Lower Upper
202 100
101 12.2 9.8 14.8
203 17.4 13.5 20.3

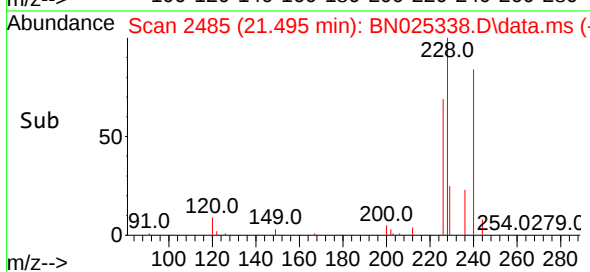
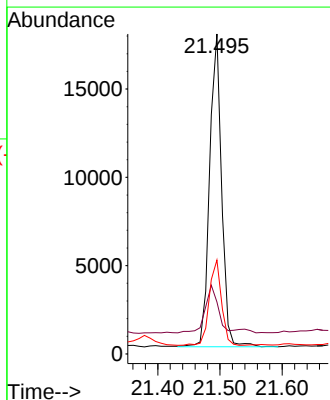
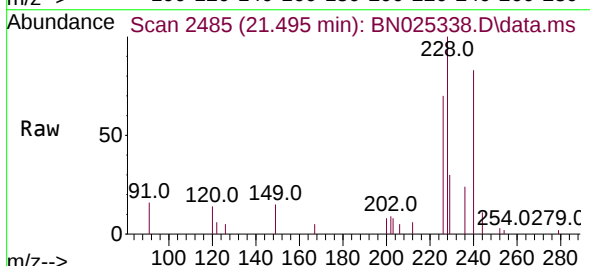
Manual Integrations
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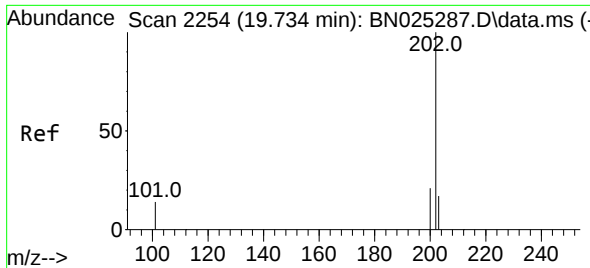
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.495 min Scan# 2485
Delta R.T. -0.005 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

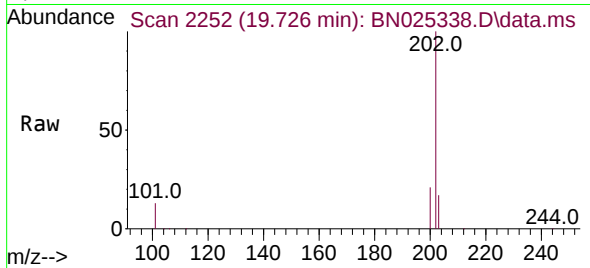
Tgt Ion:240 Resp: 23678
Ion Ratio Lower Upper
240 100
120 16.3 10.3 15.5#
236 29.3 22.3 33.5





#30
Pyrene
Concen: 4.103 ng
RT: 19.726 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

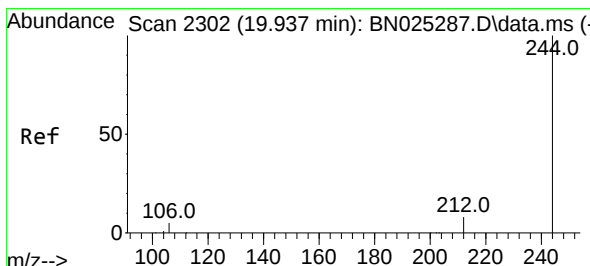
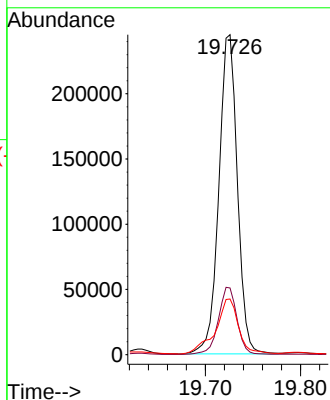
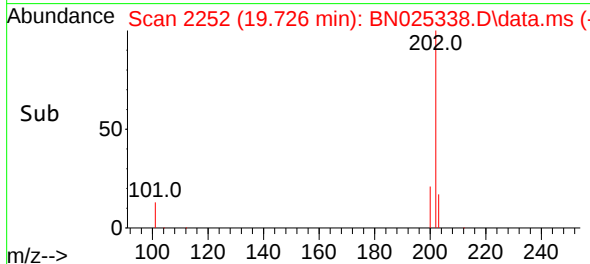
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



Tgt Ion:202 Resp: 33215
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 21.3 14.4 21.6

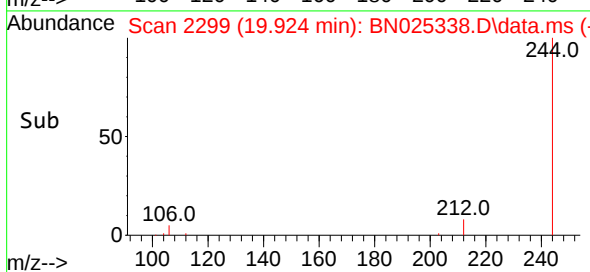
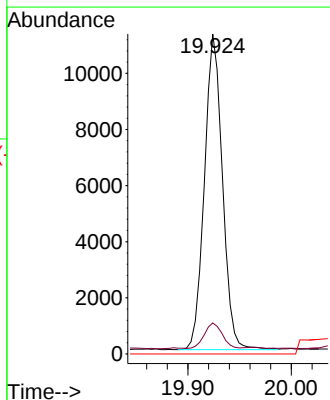
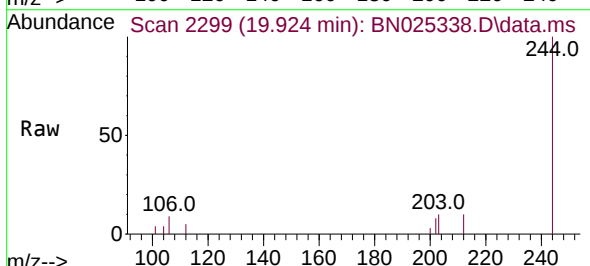
Manual Integrations
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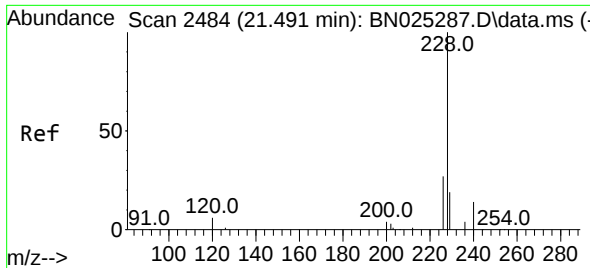
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#31
Terphenyl-d14
Concen: 0.286 ng
RT: 19.924 min Scan# 2299
Delta R.T. -0.004 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

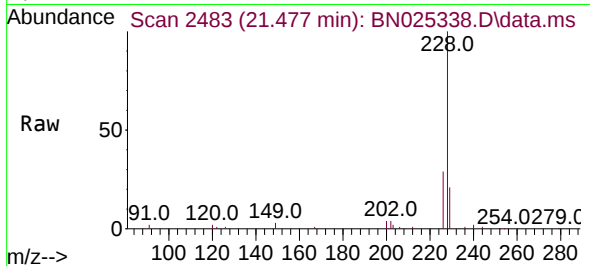
Tgt Ion:244 Resp: 13660
Ion Ratio Lower Upper
244 100
212 9.7 7.1 10.7
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 2.449 ng
RT: 21.477 min Scan# 2483
Delta R.T. -0.005 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

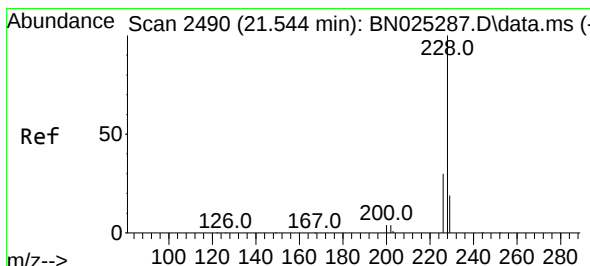
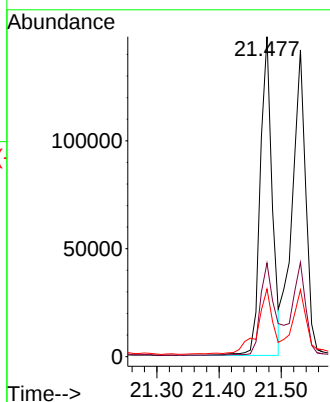
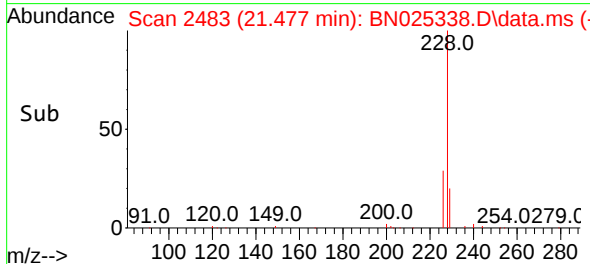
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



Tgt Ion:228 Resp: 196018
Ion Ratio Lower Upper
228 100
226 29.3 22.5 33.7
229 21.2 16.2 24.2

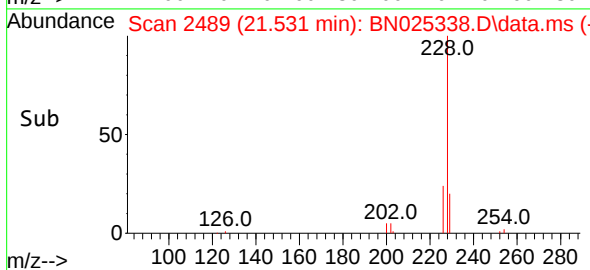
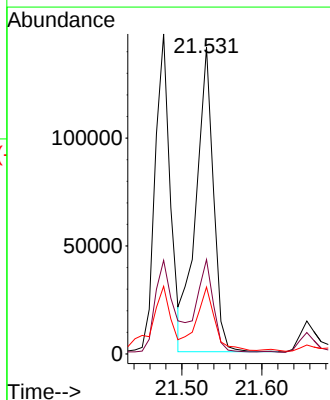
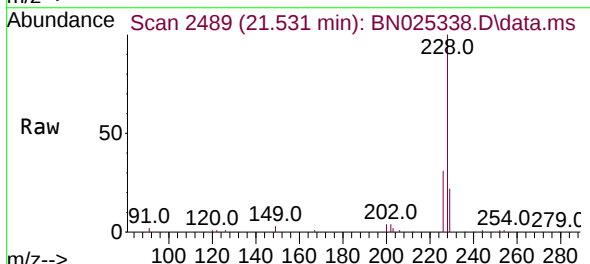
Manual Integrations
APPROVED

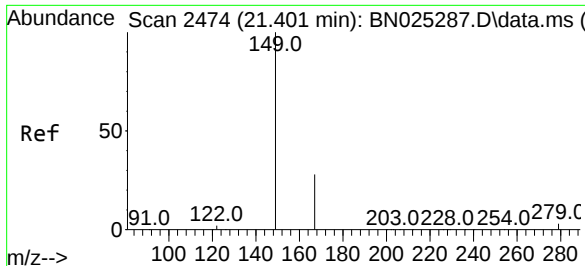
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#33
Chrysene
Concen: 2.689 ng
RT: 21.531 min Scan# 2489
Delta R.T. -0.005 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

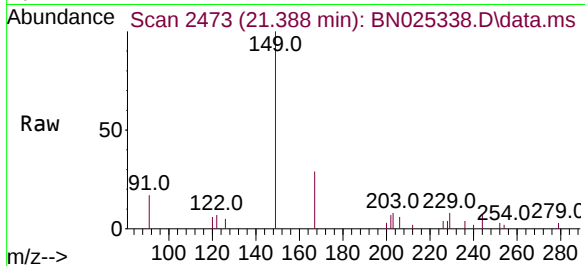
Tgt Ion:228 Resp: 214181
Ion Ratio Lower Upper
228 100
226 30.8 24.6 36.8
229 21.8 16.2 24.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.338 ng
RT: 21.388 min Scan# 2473
Delta R.T. -0.005 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

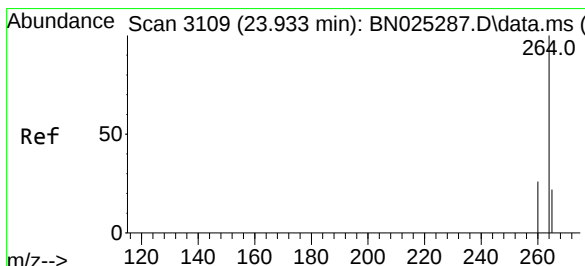
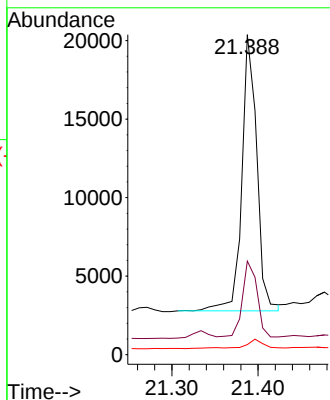
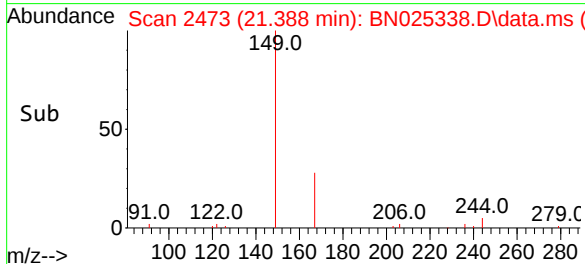
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



Tgt Ion:149 Resp: 2122
Ion Ratio Lower Upper
149 100
167 26.9 22.2 33.4
279 3.1 2.6 4.0

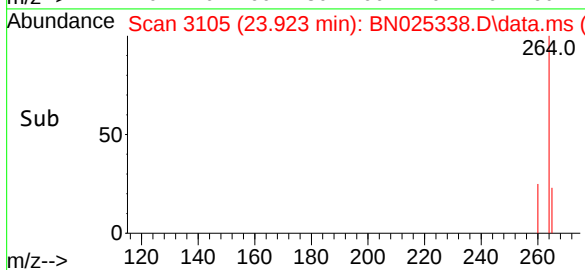
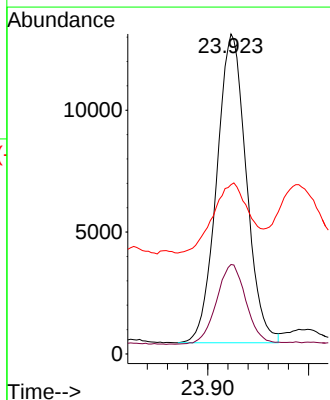
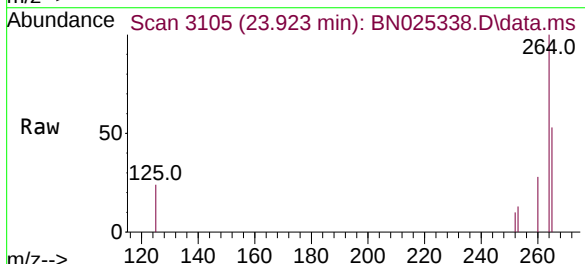
Manual Integrations
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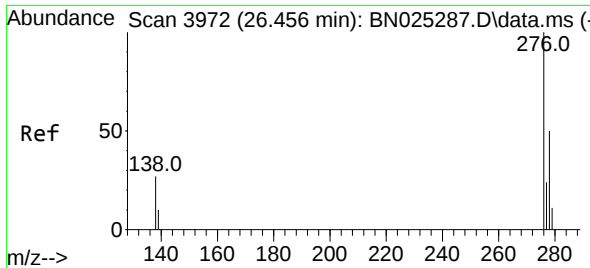
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.923 min Scan# 3105
Delta R.T. -0.008 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

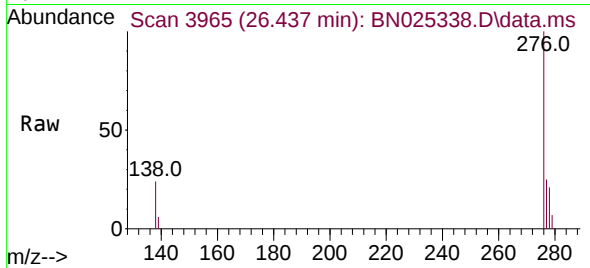
Tgt Ion:264 Resp: 25806
Ion Ratio Lower Upper
264 100
260 27.9 21.5 32.3
265 52.9 46.2 69.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.189 ng
RT: 26.437 min Scan# 3972
Delta R.T. -0.010 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

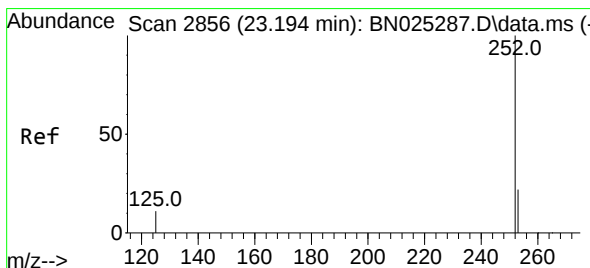
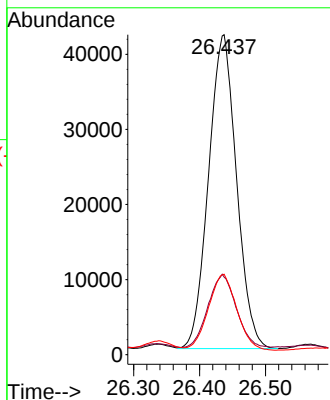
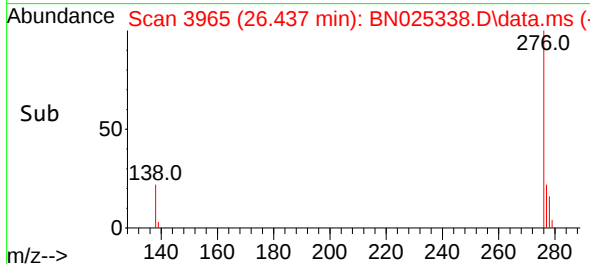
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



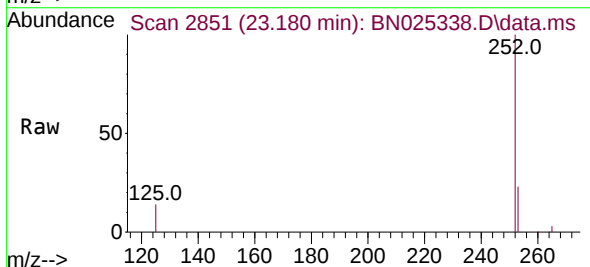
Tgt Ion:276 Resp: 122980
Ion Ratio Lower Upper
276 100
138 23.3 22.5 33.7
277 24.6 19.8 29.6

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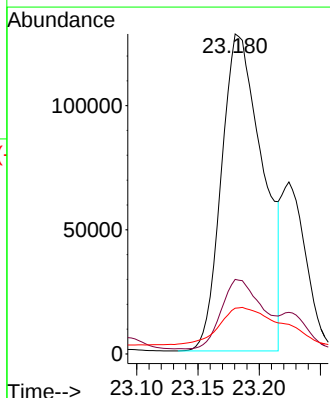
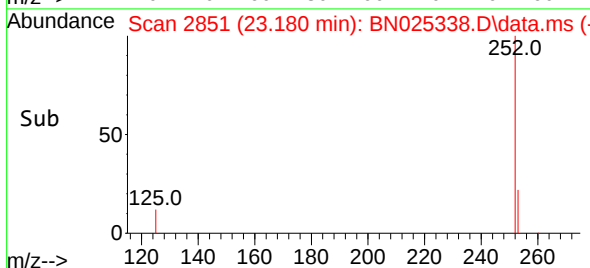
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

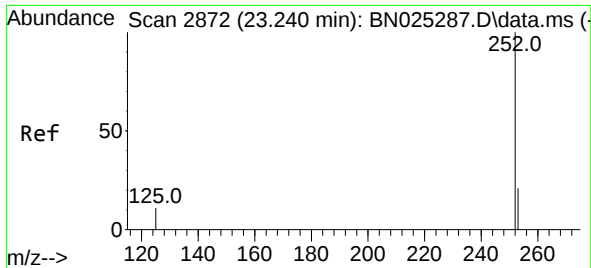


#37
Benzo(b)fluoranthene
Concen: 3.653 ng
RT: 23.180 min Scan# 2851
Delta R.T. -0.008 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21



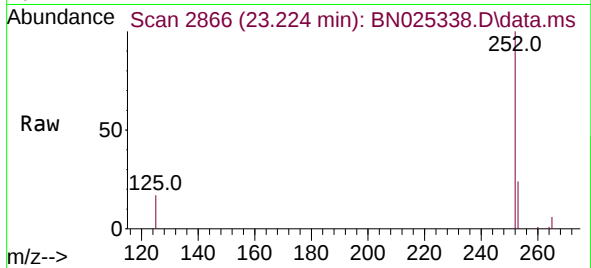
Tgt Ion:252 Resp: 298832
Ion Ratio Lower Upper
252 100
253 23.3 20.8 31.2
125 14.3 13.4 20.2





#38
Benzo(k)fluoranthene
Concen: 1.101 ng m
RT: 23.224 min Scan# 21
Delta R.T. -0.013 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

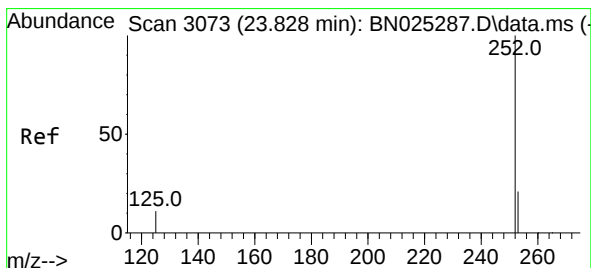
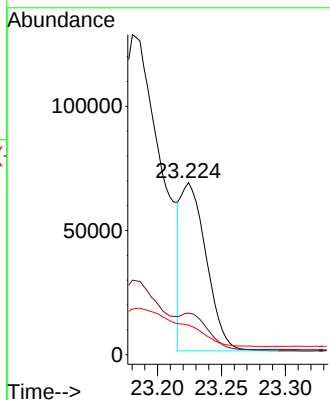
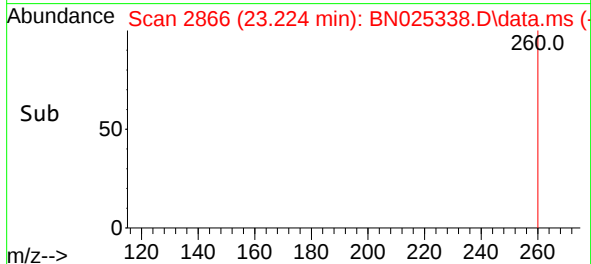
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



Tgt Ion:252 Resp: 94280
Ion Ratio Lower Upper
252 100
253 24.2 20.6 30.8
125 17.2 13.1 19.7

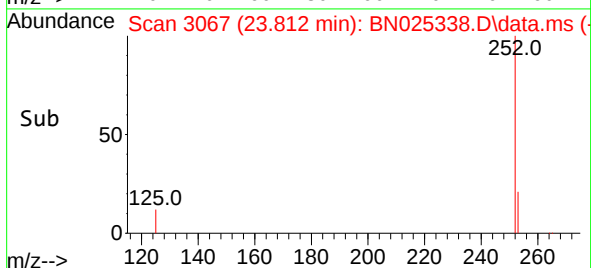
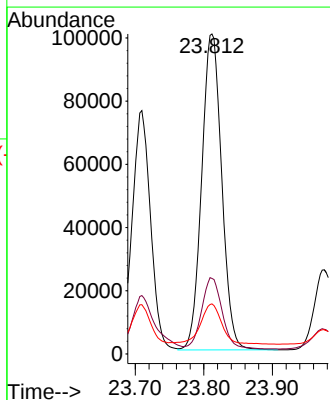
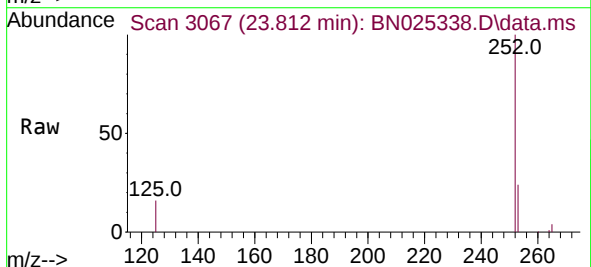
Manual Integrations
APPROVED

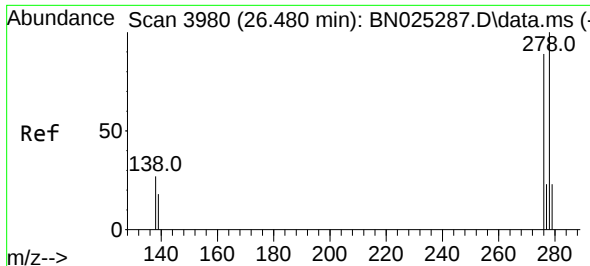
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#39
Benzo(a)pyrene
Concen: 2.420 ng
RT: 23.812 min Scan# 3067
Delta R.T. -0.010 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

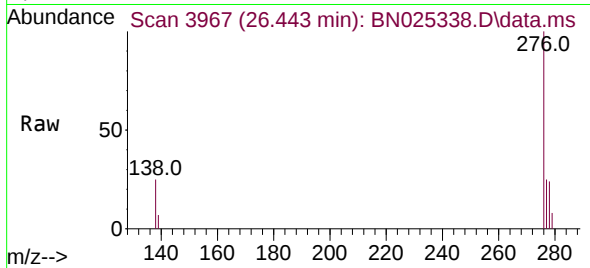
Tgt Ion:252 Resp: 202834
Ion Ratio Lower Upper
252 100
253 23.6 21.4 32.0
125 15.6 15.4 23.2





#40
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 26.443 min Scan# 3980
Delta R.T. -0.022 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

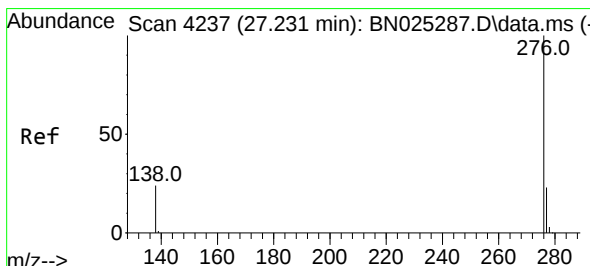
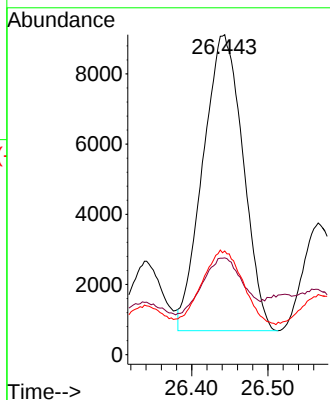
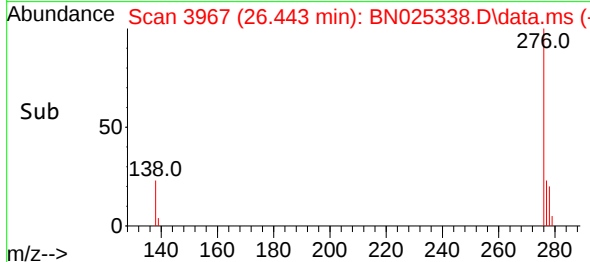
Instrument :
BNA_N
ClientSampleId :
ZONE-A-3-6-05022023



Tgt Ion:278 Resp: 3085
Ion Ratio Lower Upper
278 100
139 30.2 17.6 26.4
279 32.4 21.6 32.4

Manual Integrations
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#41
Benzo(g,h,i)perylene
Concen: 1.307 ng
RT: 27.212 min Scan# 4230
Delta R.T. -0.016 min
Lab File: BN025338.D
Acq: 08 May 2023 18:21

Tgt Ion:276 Resp: 117298
Ion Ratio Lower Upper
276 100
277 24.4 20.1 30.1
138 25.4 21.0 31.6

