

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
 Data File : BN025309.D
 Acq On : 06 May 2023 11:11
 Operator : CG/JU
 Sample : 02547-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-TT-RW10-MW01S-GW-20230427

Quant Time: May 08 03:58:03 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	4708	0.400	ng	0.00
7) Naphthalene-d8	10.729	136	15565	0.400	ng	0.00
13) Acenaphthene-d10	14.555	164	10849	0.400	ng	0.00
19) Phenanthrene-d10	17.311	188	23488	0.400	ng	0.00
29) Chrysene-d12	21.495	240	22920	0.400	ng	#-0.01
35) Perylene-d12	23.935	264	23192	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.470	112	2316	0.202	ng	0.00
5) Phenol-d6	7.109	99	1226	0.085	ng	0.02
8) Nitrobenzene-d5	9.106	82	4196	0.328	ng	0.01
11) 2-Methylnaphthalene-d10	12.317	152	10071	0.473	ng	0.00
14) 2,4,6-Tribromophenol	16.057	330	1834	0.331	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	15795	0.425	ng	0.00
27) Fluoranthene-d10	19.334	212	30494	0.525	ng	0.00
31) Terphenyl-d14	19.928	244	25176	0.545	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.325	88	967	0.196	ng	# 67
18) Fluorene	15.614	166	1452	0.035	ng	# 93
21) 4-Bromophenyl-phenylether	16.492	248	874m	0.067	ng	
22) Hexachlorobenzene	16.616	284	975	0.069	ng	98
25) Phenanthrene	17.348	178	5875	0.090	ng	# 93
26) Anthracene	17.447	178	3803	0.062	ng	# 94
28) Fluoranthene	19.368	202	9582	0.118	ng	100
30) Pyrene	19.730	202	9585	0.122	ng	99
32) Benzo(a)anthracene	21.486	228	5045	0.065	ng	95
33) Chrysene	21.540	228	5556	0.072	ng	95
34) Bis(2-ethylhexyl)phtha...	21.388	149	4896	0.081	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.490	276	3619	0.039	ng	98
37) Benzo(b)fluoranthene	23.192	252	4891	0.067	ng	# 55
38) Benzo(k)fluoranthene	23.245	252	4462	0.058	ng	# 45
39) Benzo(a)pyrene	23.829	252	3205	0.043	ng	# 21
40) Dibenzo(a,h)anthracene	26.505	278	2398	0.033	ng	# 30
41) Benzo(g,h,i)perylene	27.268	276	3086	0.038	ng	# 73

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

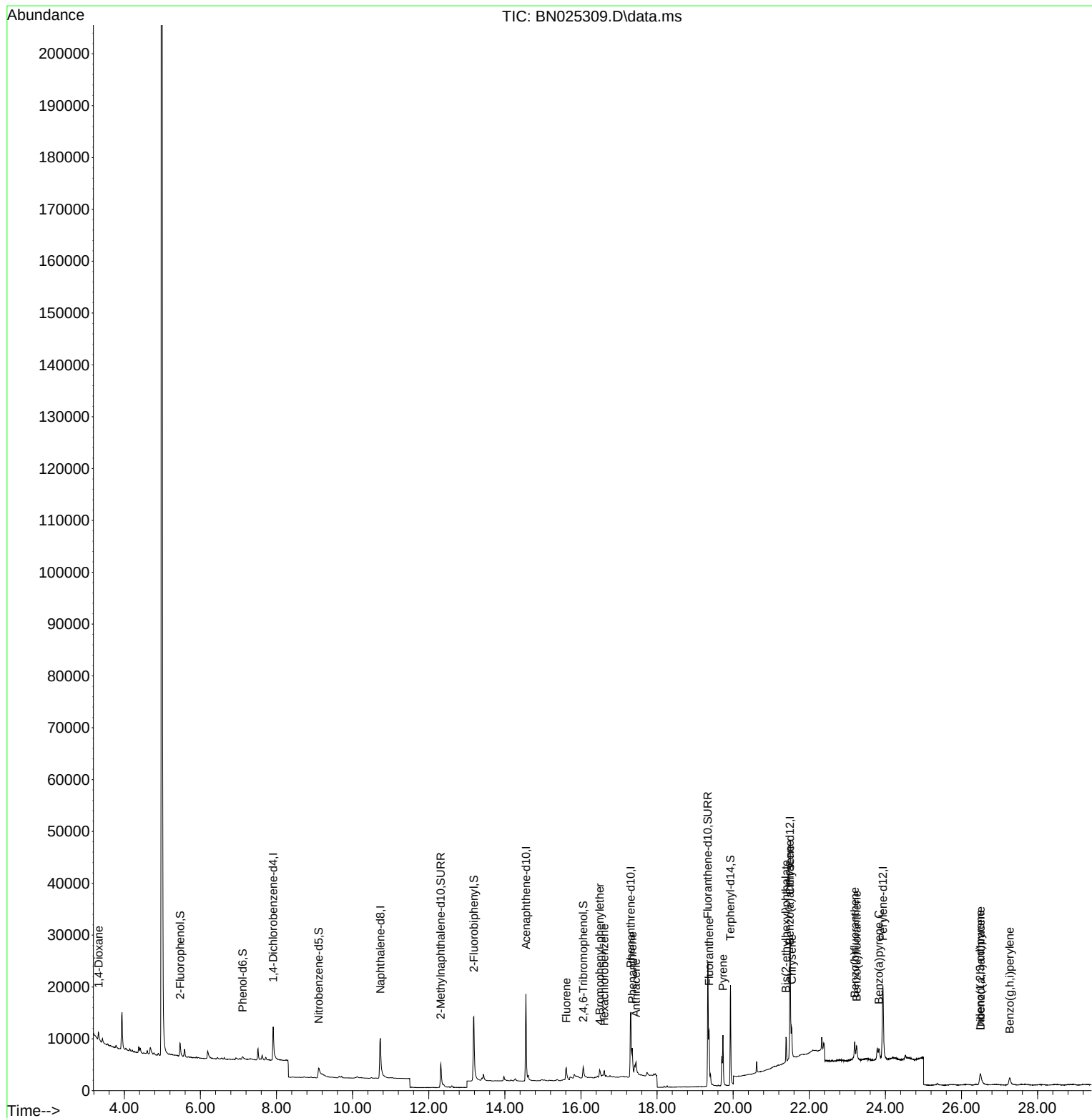
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050623\
Data File : BN025309.D
Acq On : 06 May 2023 11:11
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ALS Vial : 28 Sample Multiplier: 1

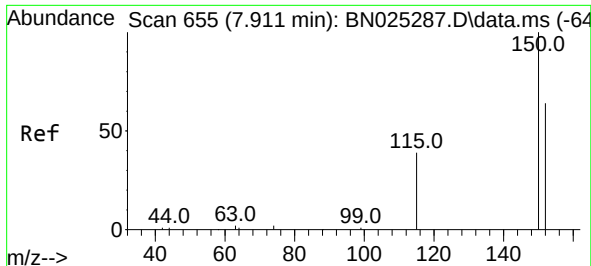
Instrument :
BNA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427

Quant Time: May 08 03:58:03 2023
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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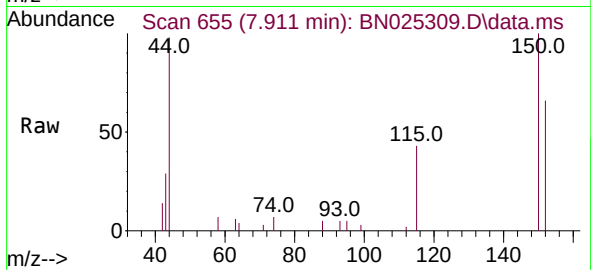
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.911 min Scan# 655
 Delta R.T. 0.000 min
 Lab File: BN025309.D
 Acq: 06 May 2023 11:11

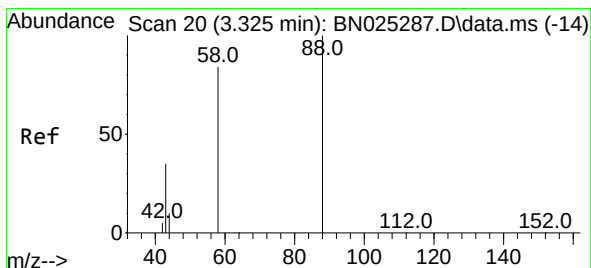
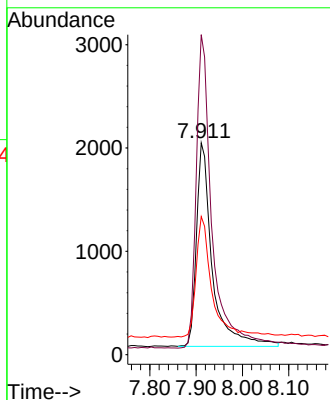
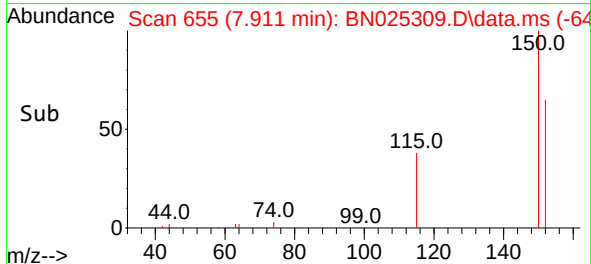
Instrument :
 BNA_N
 ClientSampleId :
 BP-TT-RW10-MW01S-GW-20230427



Tgt Ion: 152 Resp: 4708
 Ion Ratio Lower Upper
 152 100
 150 151.1 123.8 185.8
 115 65.2 52.9 79.3

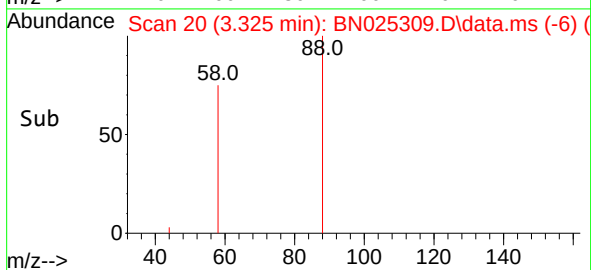
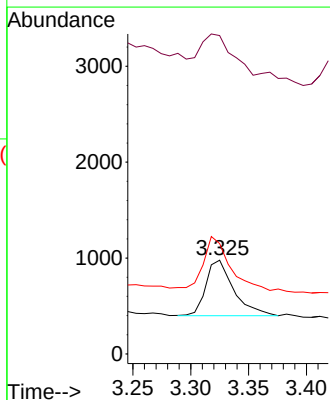
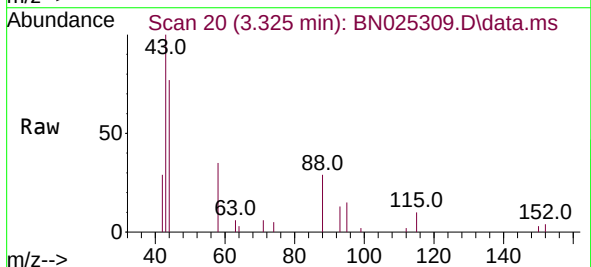
Manual Integrations
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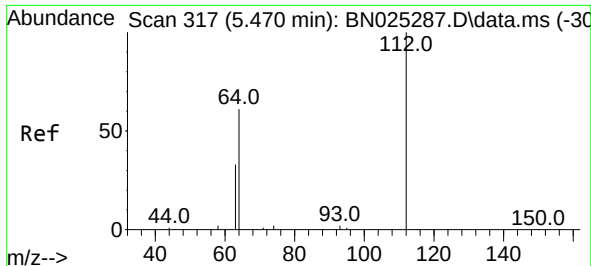
Reviewed By : Christian Giraldo 05/08/2023
 Supervised By : Jagrut Upadhyay 05/08/2023



#2
 1,4-Dioxane
 Concen: 0.196 ng
 RT: 3.325 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BN025309.D
 Acq: 06 May 2023 11:11

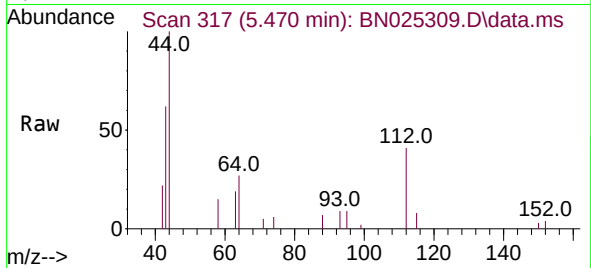
Tgt Ion: 88 Resp: 967
 Ion Ratio Lower Upper
 88 100
 43 102.5 37.2 55.8
 58 94.9 71.5 107.3





#4
2-Fluorophenol
Concen: 0.202 ng
RT: 5.470 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

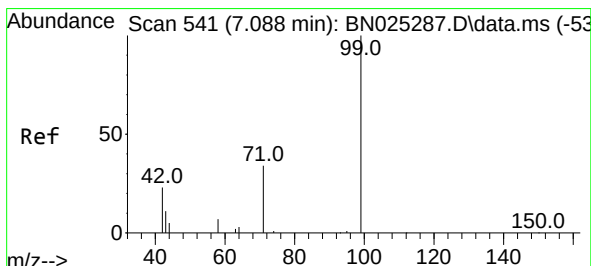
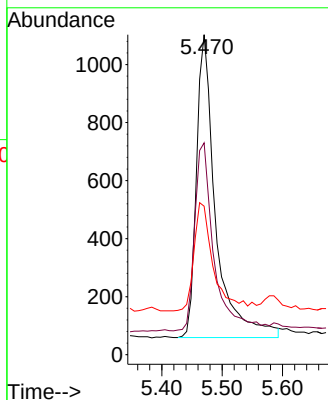
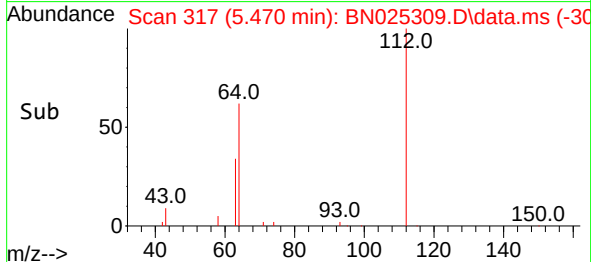
Instrument :
BNA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427



Tgt Ion: 112 Resp: 2310
Ion Ratio Lower Upper
112 100
64 62.3 51.5 77.3
63 36.4 27.8 41.6

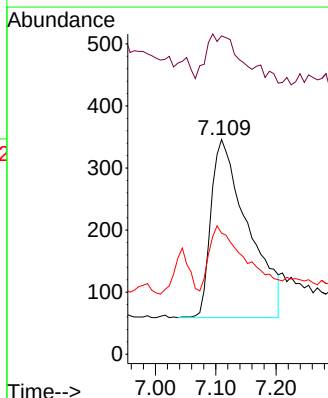
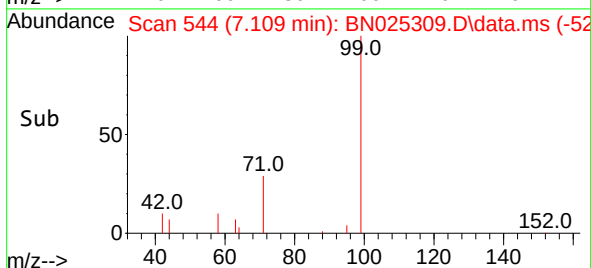
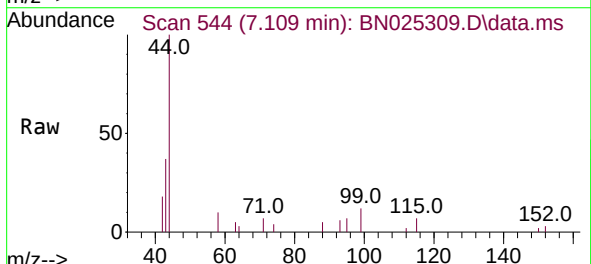
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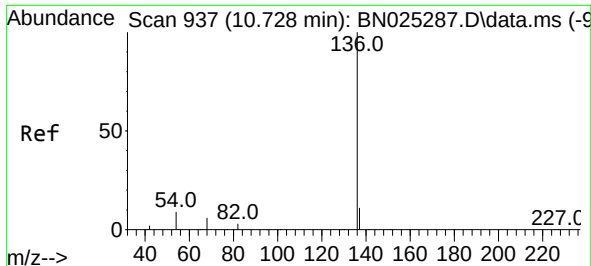
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#5
Phenol-d6
Concen: 0.085 ng
RT: 7.109 min Scan# 544
Delta R.T. 0.022 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

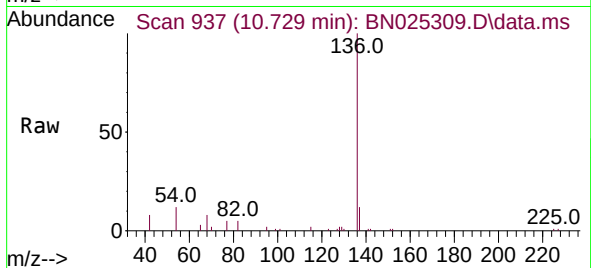
Tgt Ion: 99 Resp: 1226
Ion Ratio Lower Upper
99 100
42 8.2 22.0 33.0#
71 35.0 28.7 43.1





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.729 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

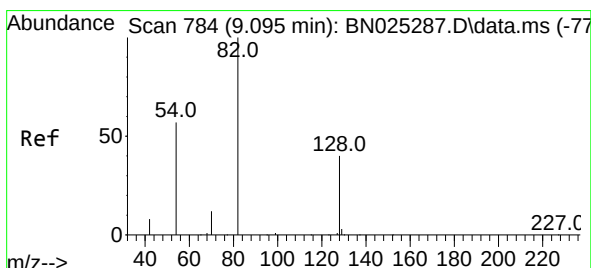
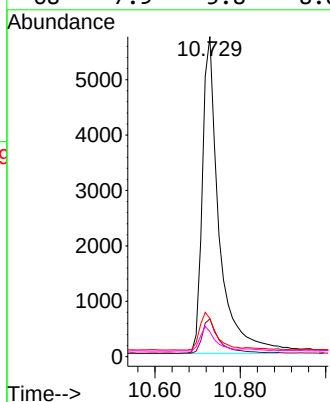
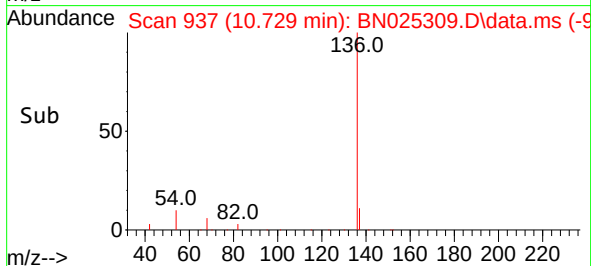
Instrument :
BNA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427



Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.4	14.2
54	12.0	8.5	12.7
68	7.9	5.8	8.8

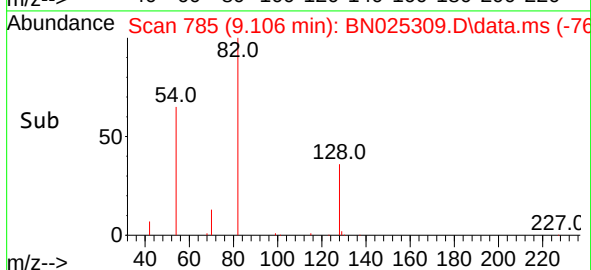
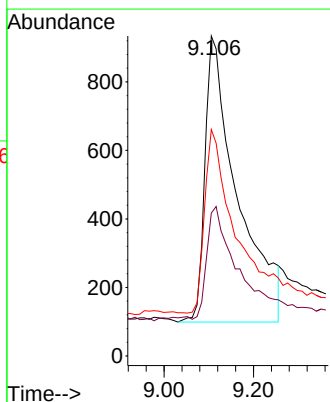
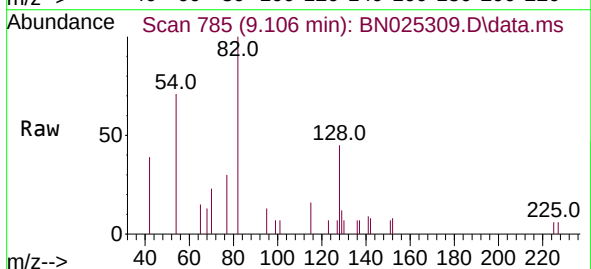
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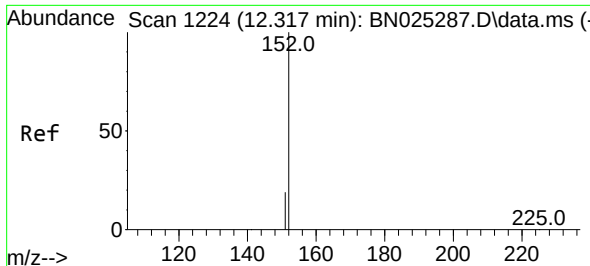
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 9.106 min Scan# 785
Delta R.T. 0.011 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

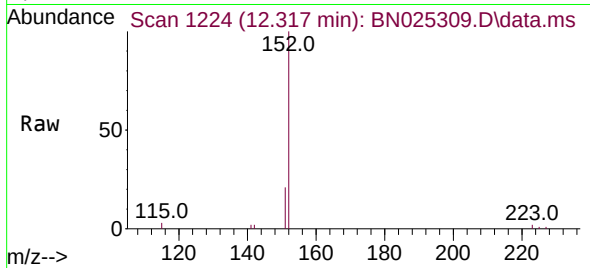
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.3	52.9
54	70.8	48.7	73.1





#11
2-Methylnaphthalene-d10
Concen: 0.473 ng
RT: 12.317 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

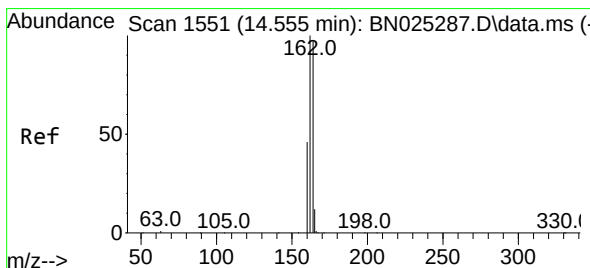
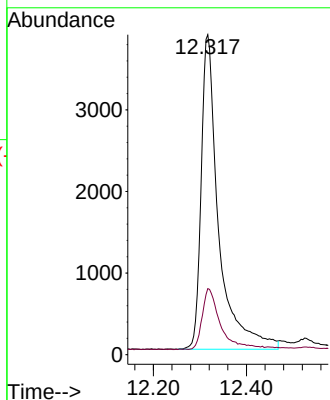
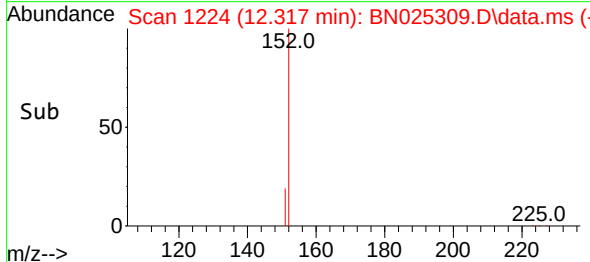
Instrument :
BNA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427



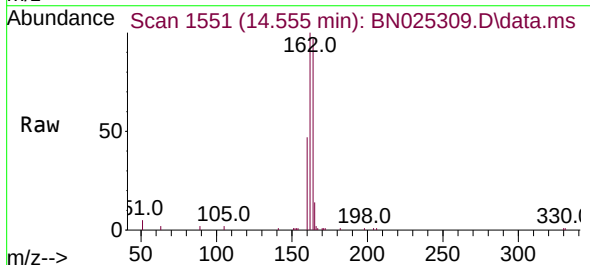
Tgt Ion:152 Resp: 1007
Ion Ratio Lower Upper
152 100
151 20.1 16.4 24.6

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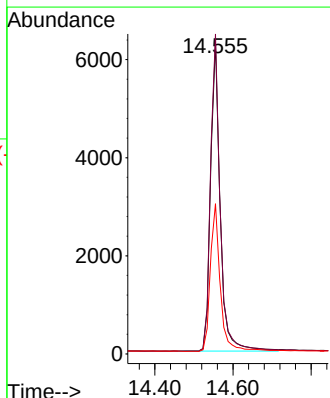
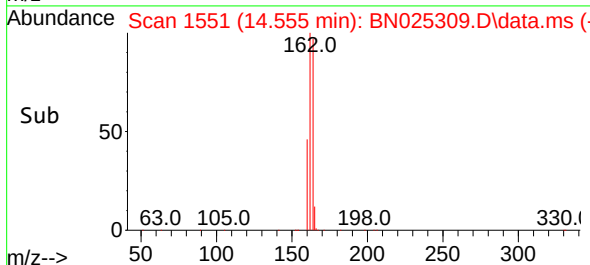
Reviewed By :Christian Giraldo 05/08/2023
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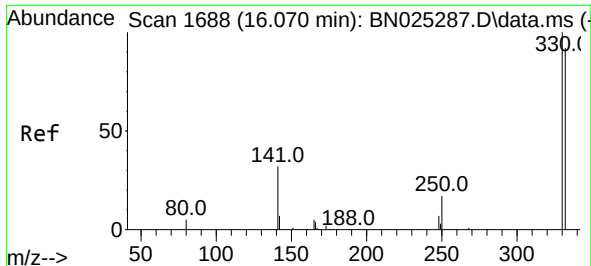


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 1551
Delta R.T. 0.000 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11



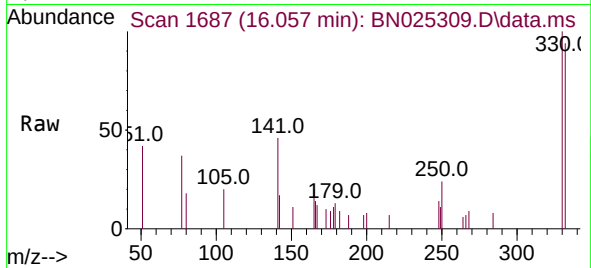
Tgt Ion:164 Resp: 10849
Ion Ratio Lower Upper
164 100
162 102.6 82.1 123.1
160 48.2 38.3 57.5





#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 16.057 min Scan# 1688
Delta R.T. -0.012 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

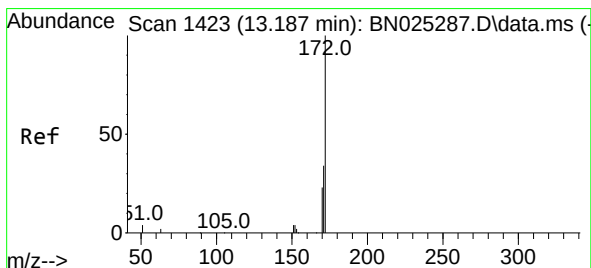
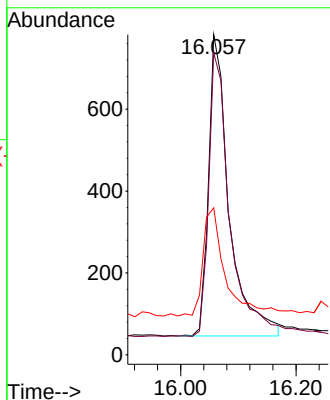
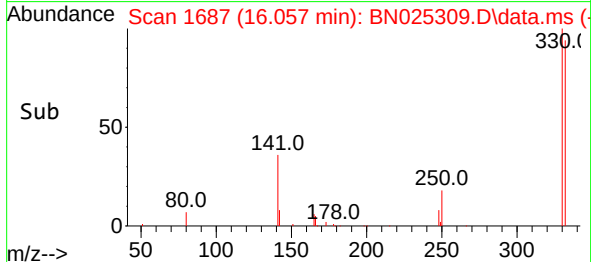
Instrument :
BNA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427



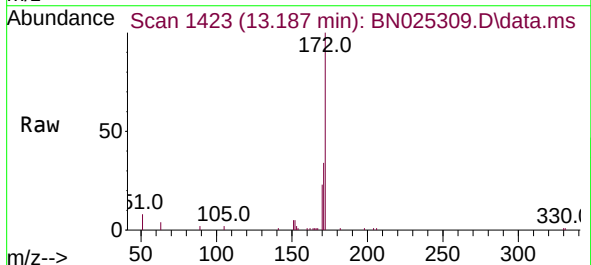
Tgt Ion: 330 Resp: 1834
Ion Ratio Lower Upper
330 100
332 95.3 77.4 116.0
141 38.6 28.9 43.3

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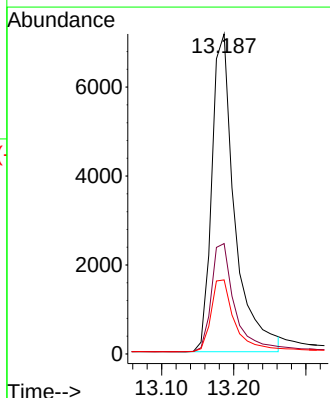
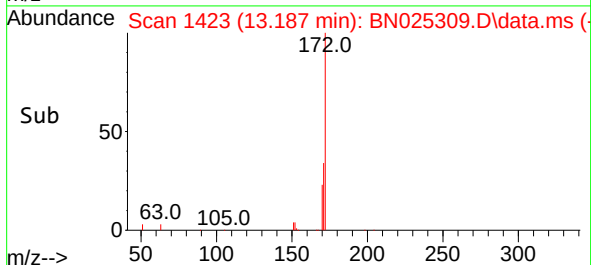
Reviewed By : Christian Giraldo 05/08/2023
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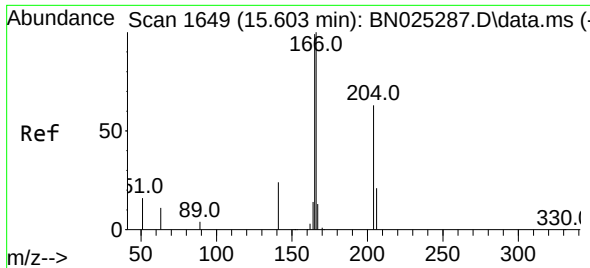


#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 13.187 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11



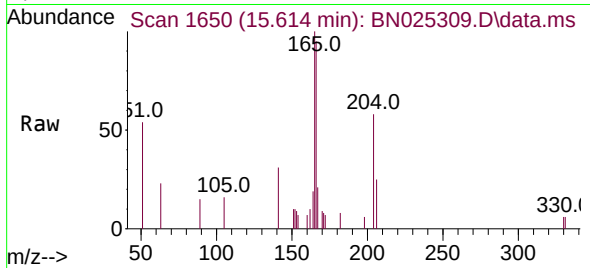
Tgt Ion: 172 Resp: 15795
Ion Ratio Lower Upper
172 100
171 34.5 27.9 41.9
170 23.2 19.0 28.4





#18
Fluorene
Concen: 0.035 ng
RT: 15.614 min Scan# 1650
Delta R.T. 0.011 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

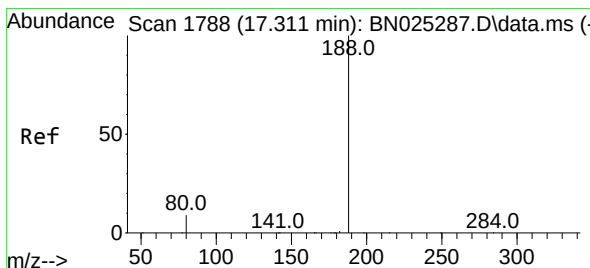
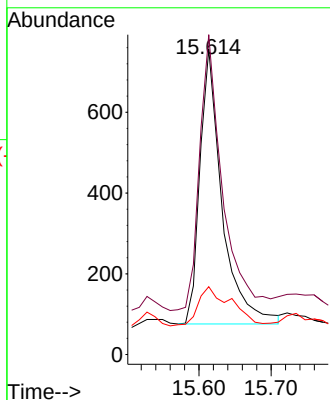
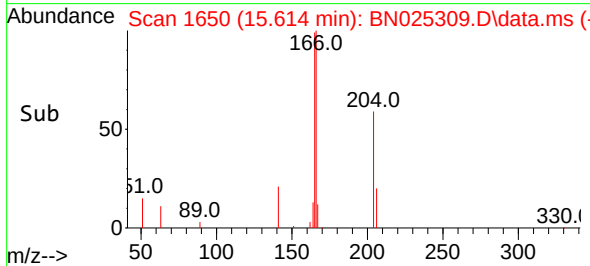
Instrument :
BNA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427



Tgt Ion:166 Resp: 145
Ion Ratio Lower Upper
166 100
165 104.3 79.0 118.4
167 21.3 10.3 15.5

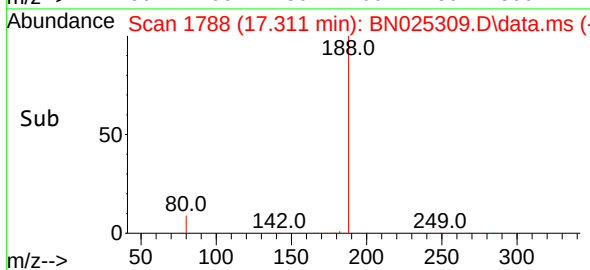
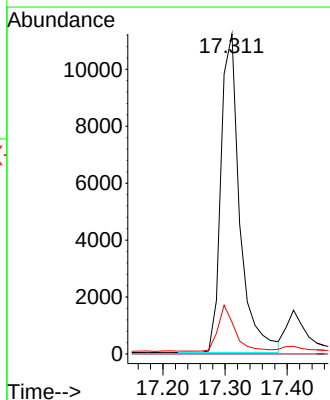
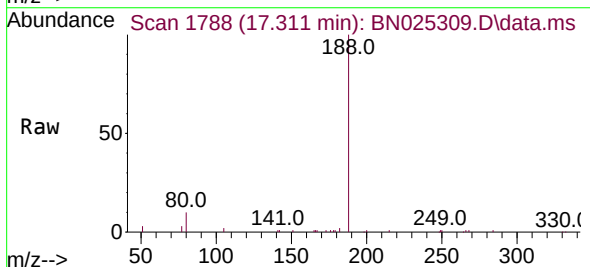
Manual Integrations
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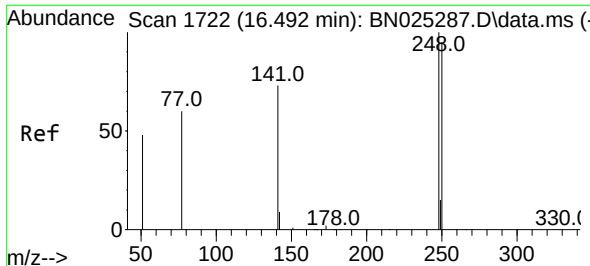
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.311 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

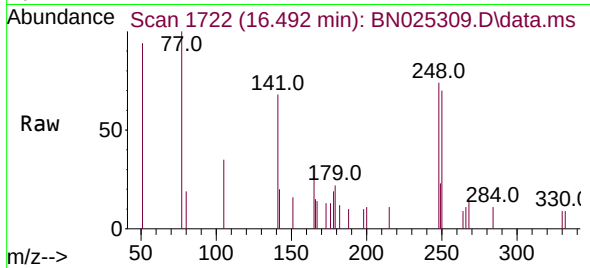
Tgt Ion:188 Resp: 23488
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.0 8.0 12.0





#21
4-Bromophenyl-phenylether
Concen: 0.067 ng m
RT: 16.492 min Scan# 1722
Delta R.T. 0.000 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

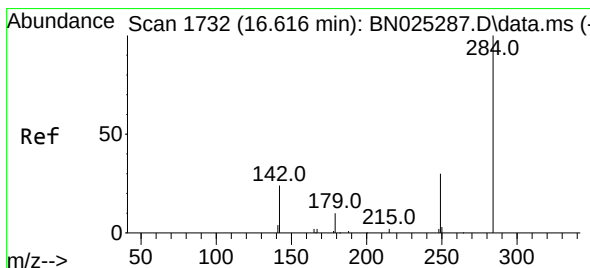
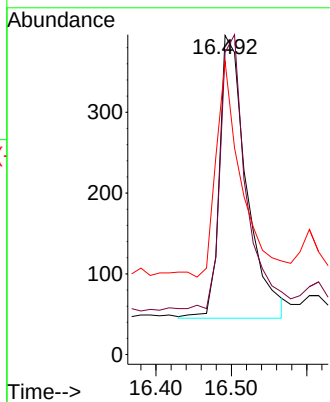
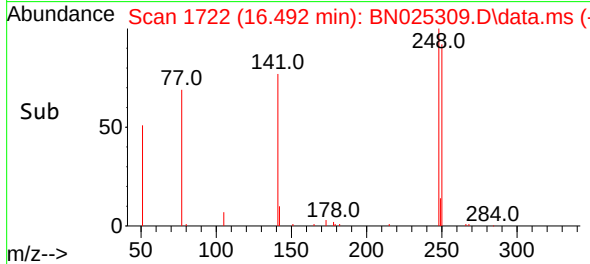
Instrument :
BNA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427



Tgt Ion:248 Resp: 874
Ion Ratio Lower Upper
248 100
250 94.7 76.0 114.0
141 91.9 59.9 89.9

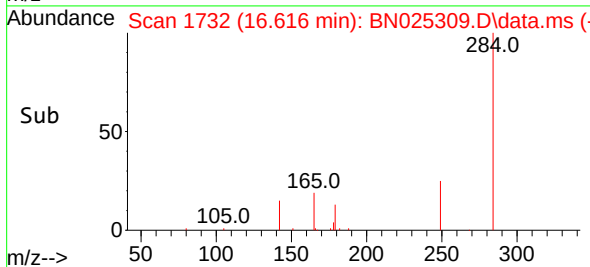
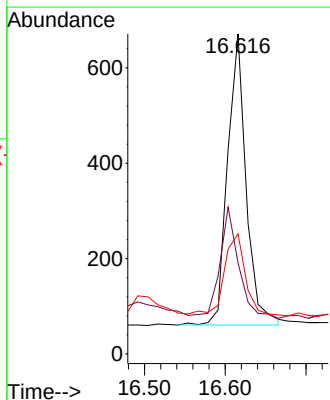
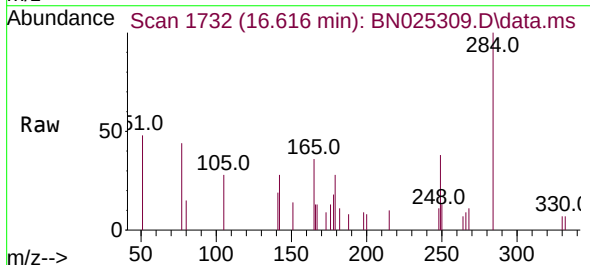
Manual Integrations
APPROVED

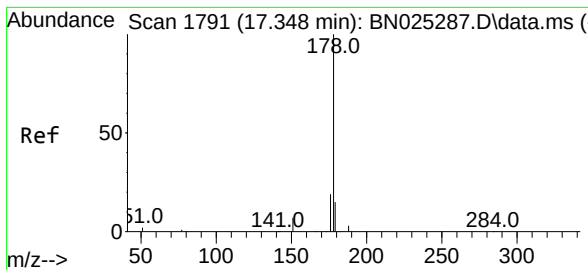
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#22
Hexachlorobenzene
Concen: 0.069 ng
RT: 16.616 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

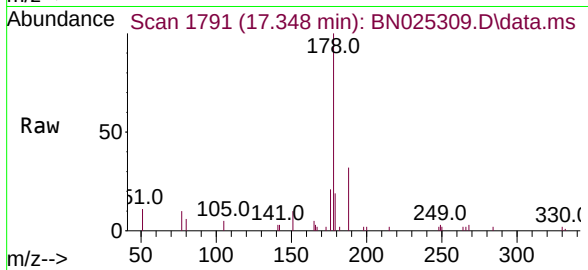
Tgt Ion:284 Resp: 975
Ion Ratio Lower Upper
284 100
142 38.8 30.0 45.0
249 30.9 25.0 37.6





#25
Phenanthrene
Concen: 0.090 ng
RT: 17.348 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

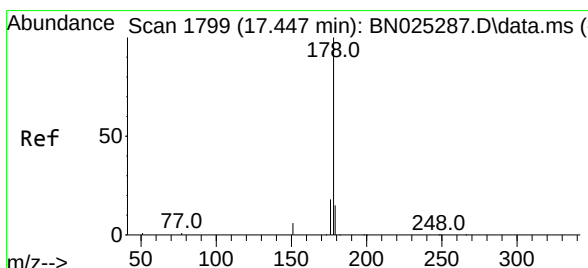
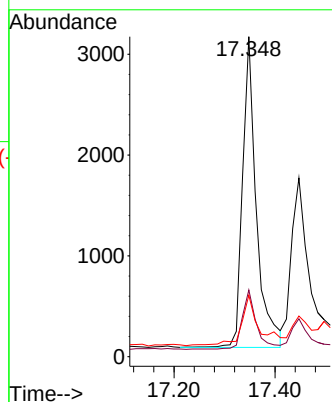
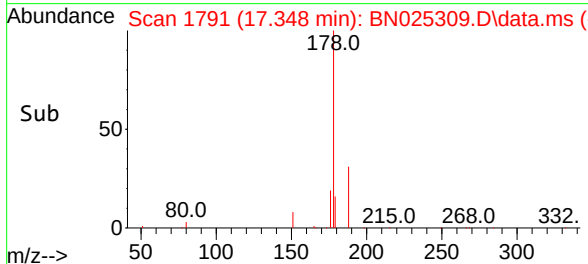
Instrument :
BNA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427



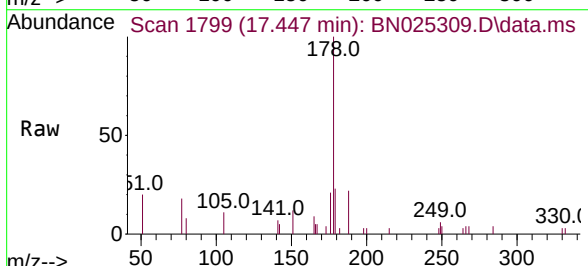
Tgt Ion:178 Resp: 5879
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 21.5 12.4 18.6

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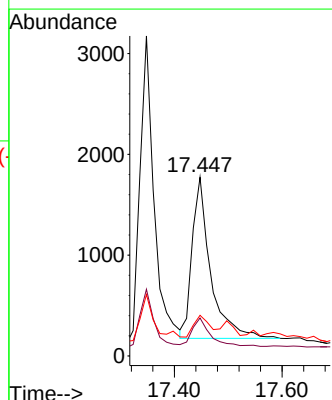
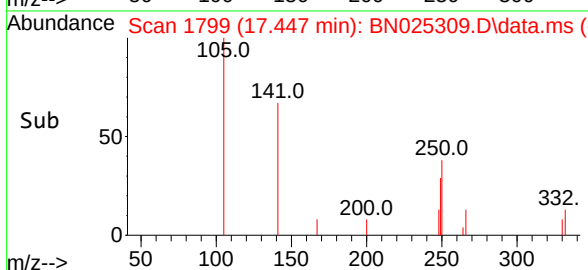
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

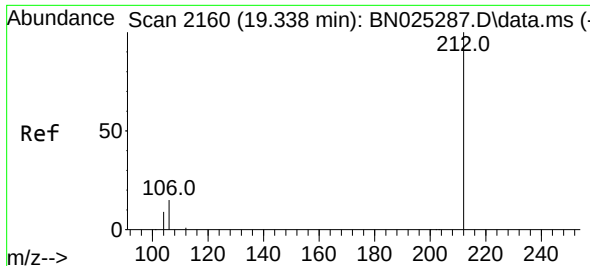


#26
Anthracene
Concen: 0.062 ng
RT: 17.447 min Scan# 1799
Delta R.T. 0.000 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11



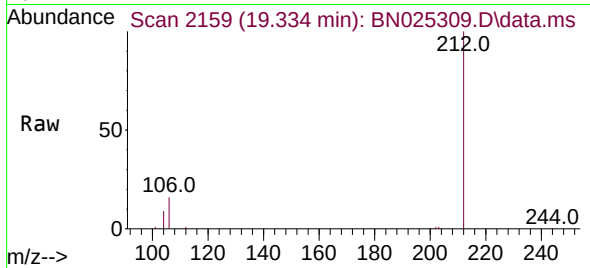
Tgt Ion:178 Resp: 3803
Ion Ratio Lower Upper
178 100
176 17.5 14.9 22.3
179 11.0 12.0 18.0





#27
Fluoranthene-d10
Concen: 0.525 ng
RT: 19.334 min Scan# 2159
Delta R.T. -0.004 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

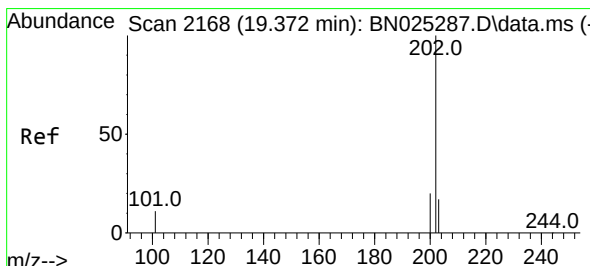
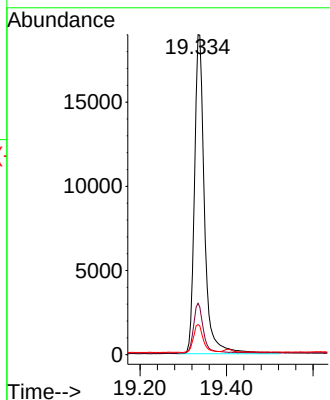
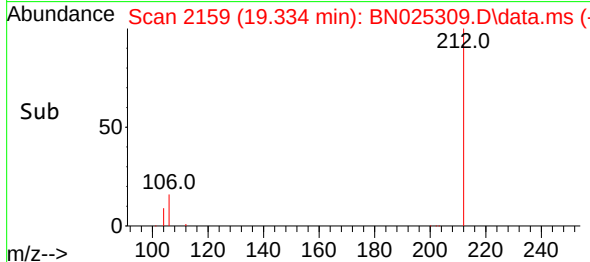
Instrument :
BNA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427



Tgt Ion:212 Resp: 30494
Ion Ratio Lower Upper
212 100
106 15.3 12.6 19.0
104 8.5 7.0 10.6

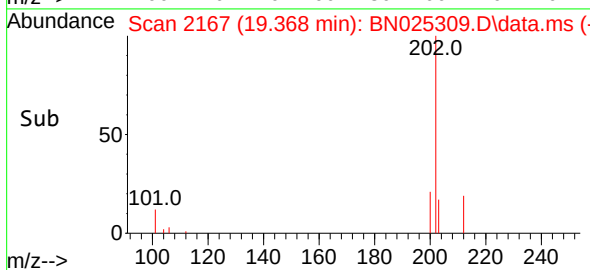
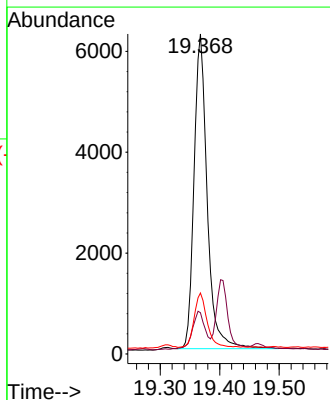
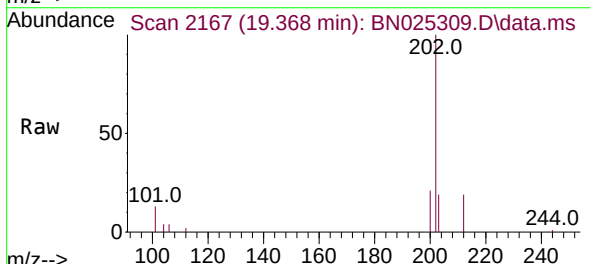
Manual Integrations
APPROVED

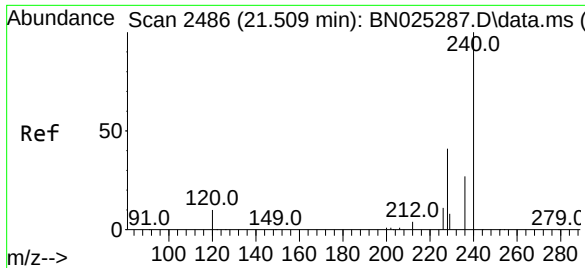
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#28
Fluoranthene
Concen: 0.118 ng
RT: 19.368 min Scan# 2167
Delta R.T. -0.004 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

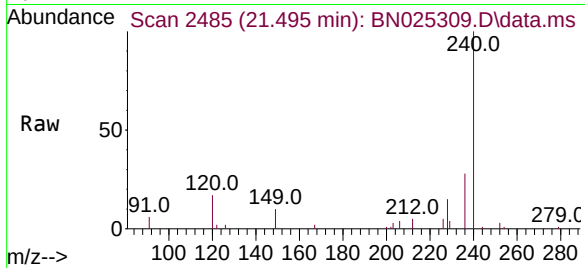
Tgt Ion:202 Resp: 9582
Ion Ratio Lower Upper
202 100
101 12.3 9.8 14.8
203 17.2 13.5 20.3





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.495 min Scan# 2486
Delta R.T. -0.014 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

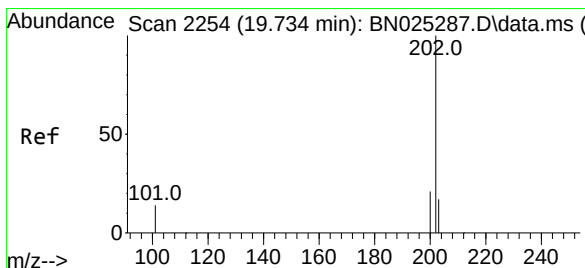
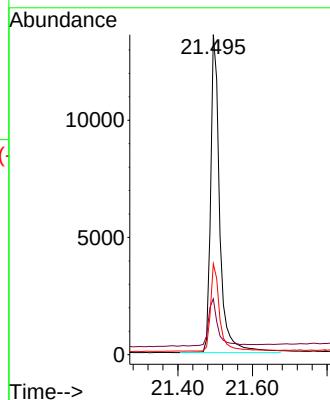
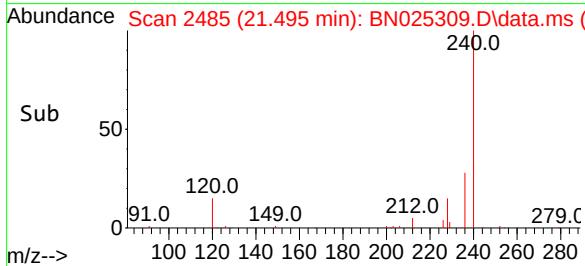
Instrument :
BNA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427



Tgt Ion:240 Resp: 22920
Ion Ratio Lower Upper
240 100
120 17.5 10.3 15.5
236 28.4 22.3 33.5

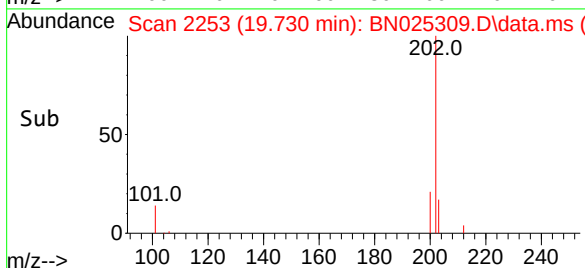
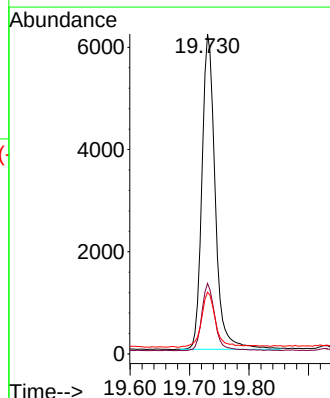
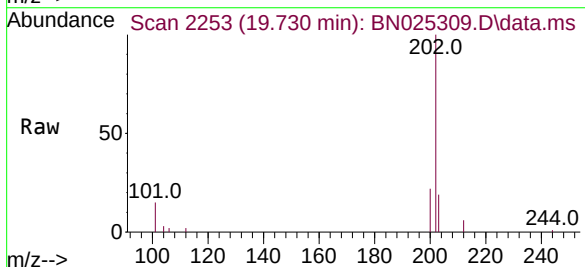
Manual Integrations
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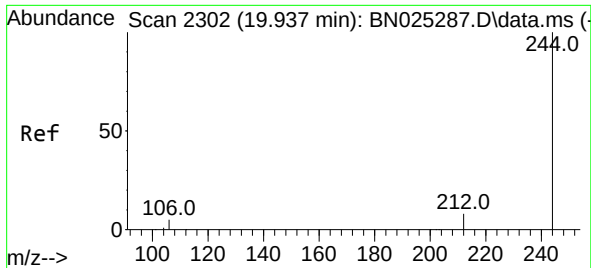
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#30
Pyrene
Concen: 0.122 ng
RT: 19.730 min Scan# 2253
Delta R.T. -0.004 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

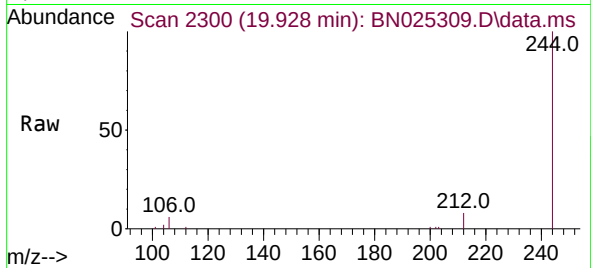
Tgt Ion:202 Resp: 9585
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 18.6 14.4 21.6





#31
Terphenyl-d14
Concen: 0.545 ng
RT: 19.928 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

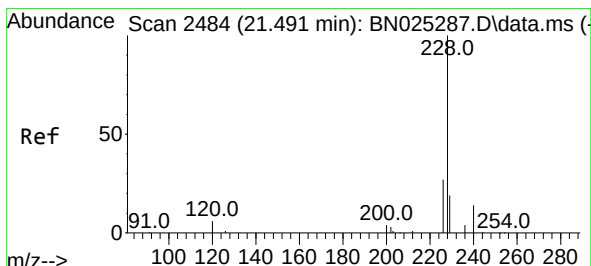
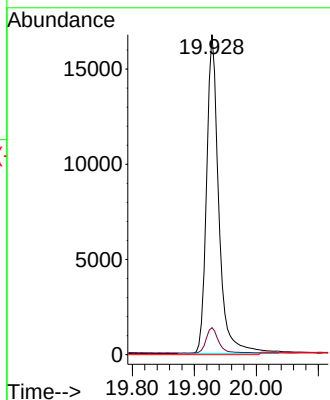
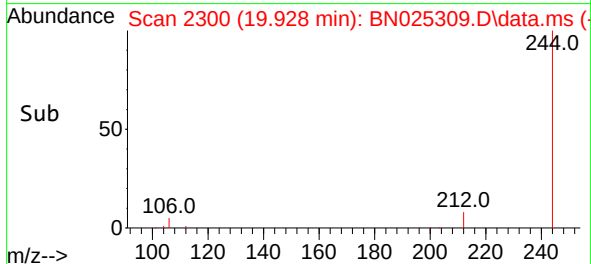
Instrument :
BNA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427



Tgt Ion:244 Resp: 25170
Ion Ratio Lower Upper
244 100
212 8.4 7.1 10.7
122 0.0 0.0 0.0

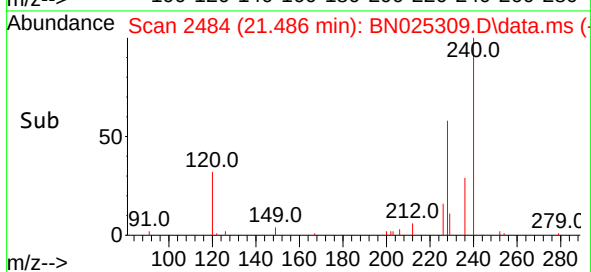
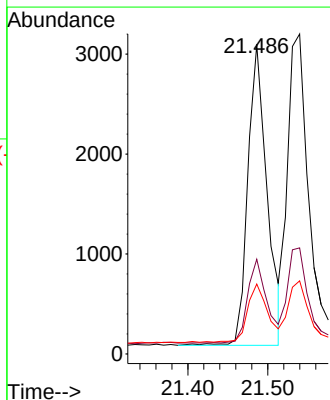
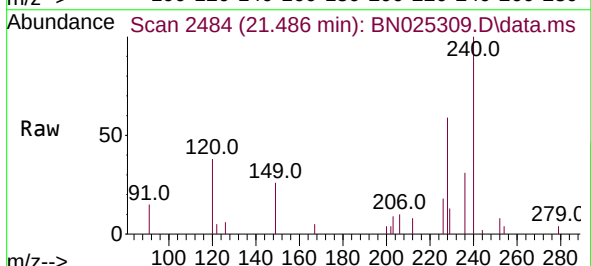
Manual Integrations
APPROVED

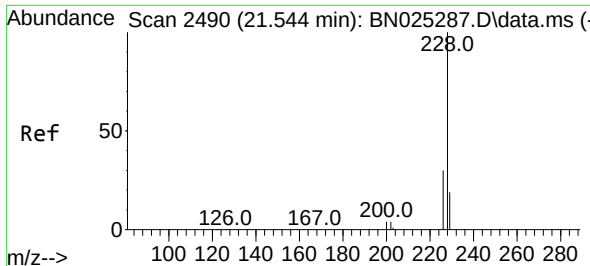
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#32
Benzo(a)anthracene
Concen: 0.065 ng
RT: 21.486 min Scan# 2484
Delta R.T. -0.005 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

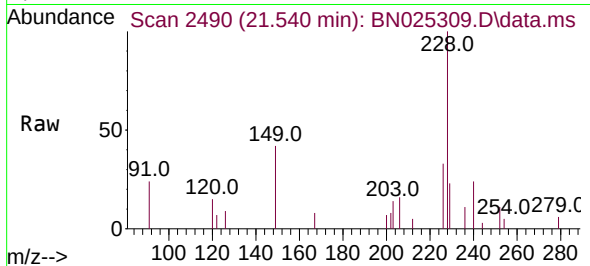
Tgt Ion:228 Resp: 5045
Ion Ratio Lower Upper
228 100
226 30.6 22.5 33.7
229 22.6 16.2 24.2





#33
Chrysene
Concen: 0.072 ng
RT: 21.540 min Scan# 2490
Delta R.T. -0.005 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

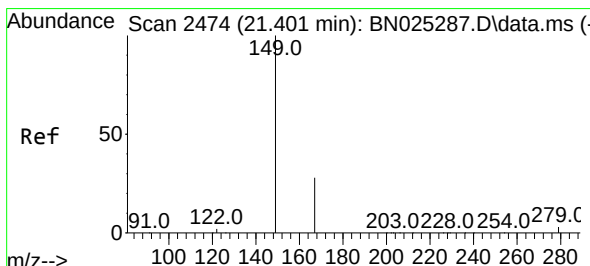
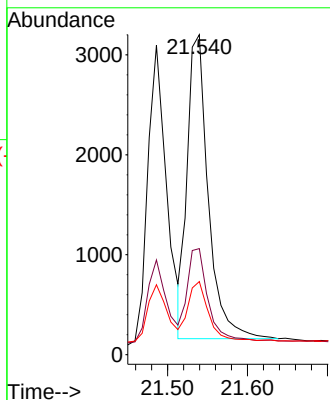
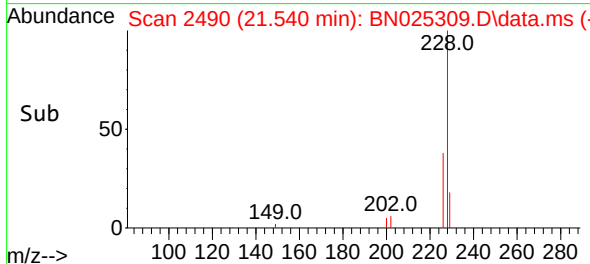
Instrument :
BNA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427



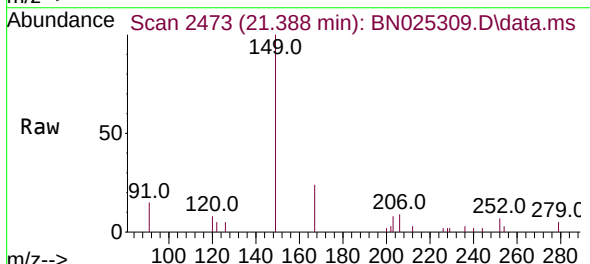
Tgt Ion:228 Resp: 5550
Ion Ratio Lower Upper
228 100
226 33.1 24.6 36.8
229 22.9 16.2 24.4

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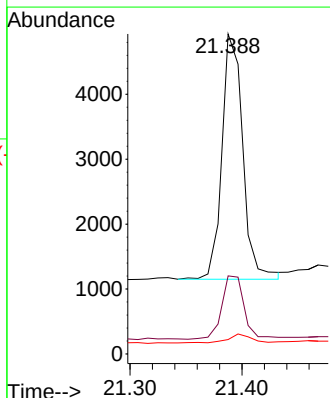
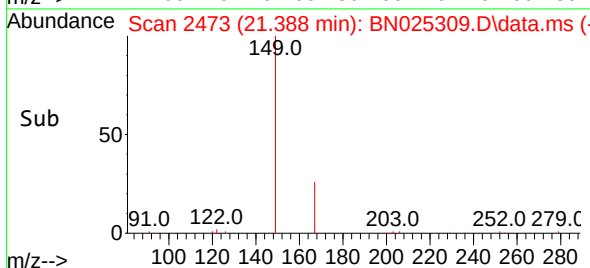
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

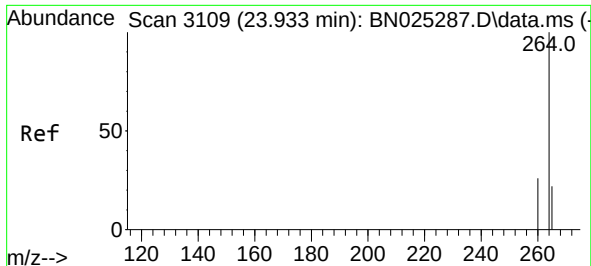


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.081 ng
RT: 21.388 min Scan# 2473
Delta R.T. -0.014 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11



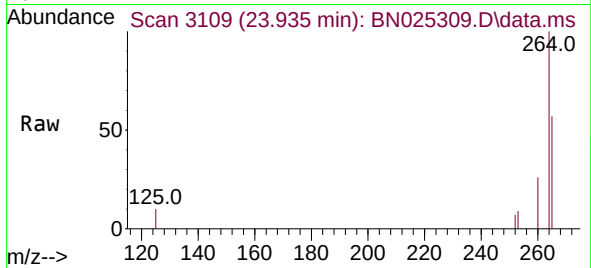
Tgt Ion:149 Resp: 4896
Ion Ratio Lower Upper
149 100
167 28.2 22.2 33.4
279 4.9 2.6 4.0#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.935 min Scan# 3109
Delta R.T. 0.001 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

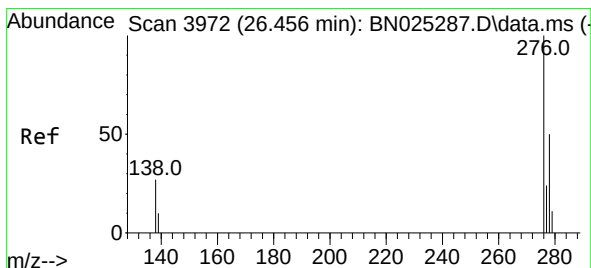
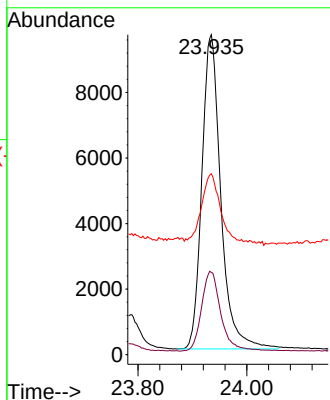
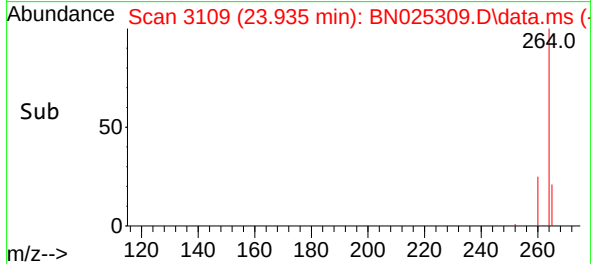
Instrument :
BNA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427



Tgt Ion:264 Resp: 23192
Ion Ratio Lower Upper
264 100
260 25.7 21.5 32.3
265 56.5 46.2 69.4

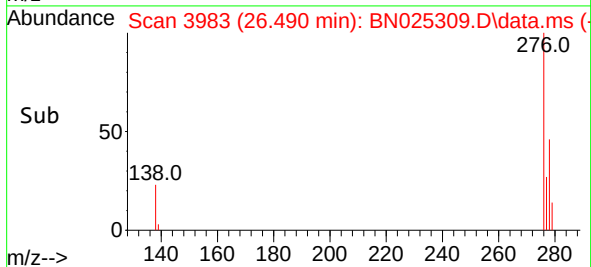
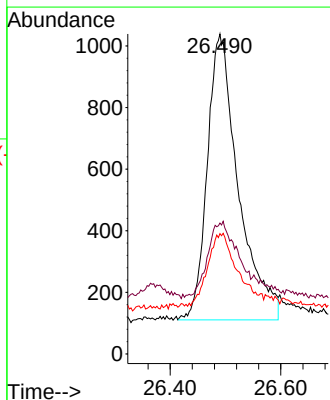
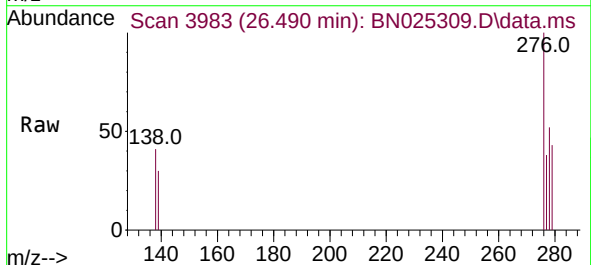
Manual Integrations
APPROVED

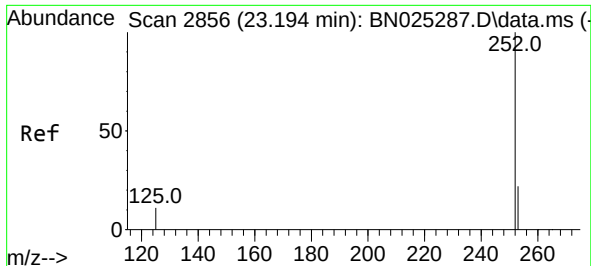
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.039 ng
RT: 26.490 min Scan# 3983
Delta R.T. 0.034 min
Lab File: BN025309.D
Acq: 06 May 2023 11:11

Tgt Ion:276 Resp: 3619
Ion Ratio Lower Upper
276 100
138 26.2 22.5 33.7
277 24.5 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.067 ng

RT: 23.192 min Scan# 2855

Delta R.T. -0.002 min

Lab File: BN025309.D

Acq: 06 May 2023 11:11

Instrument :

BNA_N

ClientSampleId :

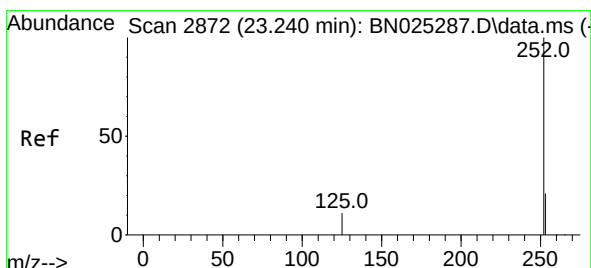
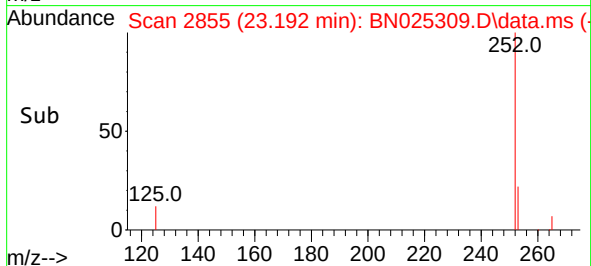
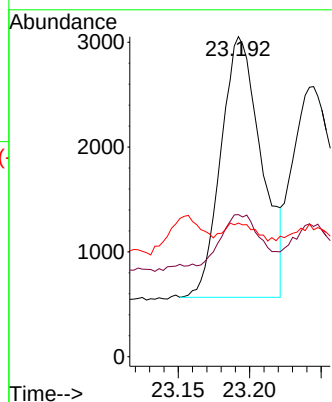
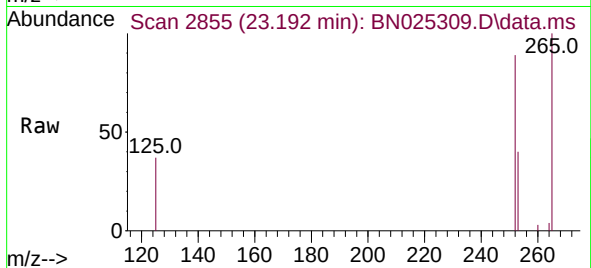
BP-TT-RW10-MW01S-GW-20230427

Tgt Ion:252	Resp:	489
Ion Ratio	Lower	Upper
252	100	
253	44.4	20.8 31.2
125	41.7	13.4 20.2

Manual Integrations

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



#38

Benzo(k)fluoranthene

Concen: 0.058 ng

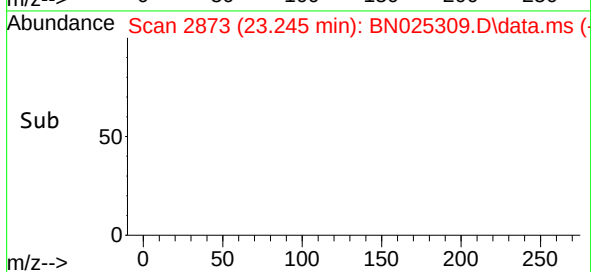
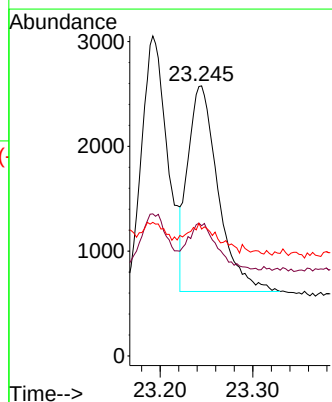
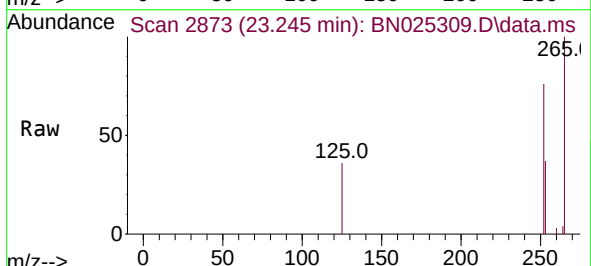
RT: 23.245 min Scan# 2873

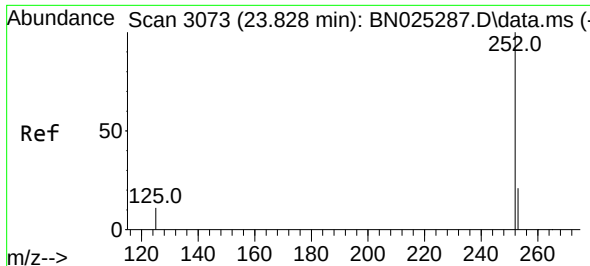
Delta R.T. 0.004 min

Lab File: BN025309.D

Acq: 06 May 2023 11:11

Tgt Ion:252	Resp:	4462
Ion Ratio	Lower	Upper
252	100	
253	48.2	20.6 30.8
125	47.0	13.1 19.7





#39

Benzo(a)pyrene

Concen: 0.043 ng

RT: 23.829 min Scan# 3073

Delta R.T. 0.001 min

Lab File: BN025309.D

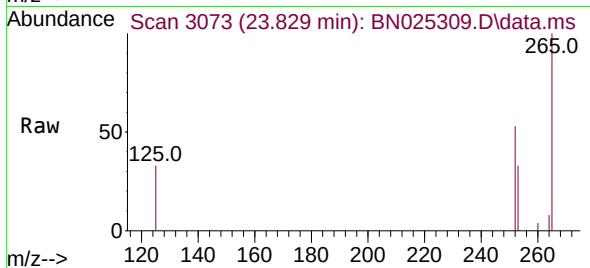
Acq: 06 May 2023 11:11

Instrument :

BNA_N

ClientSampleId :

BP-TT-RW10-MW01S-GW-20230427

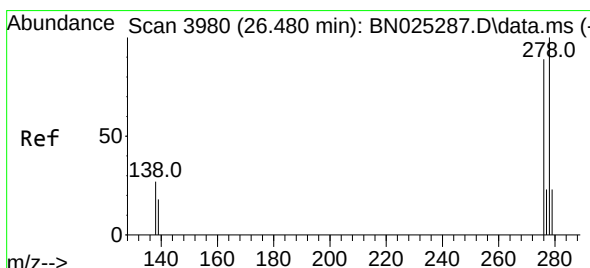
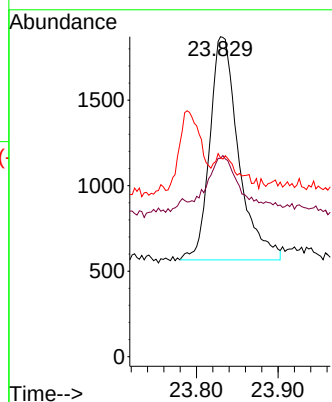
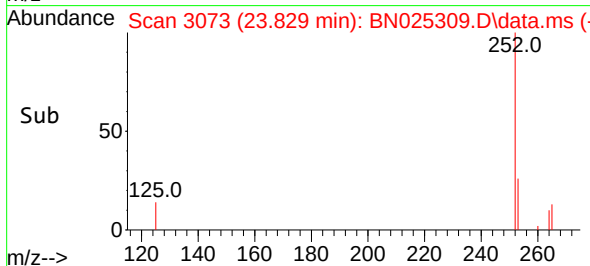


Tgt Ion:	252	Resp:	320
Ion	Ratio	Lower	Upper
252	100		
253	62.0	21.4	32.0
125	62.2	15.4	23.2

Manual Integrations

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



#40

Dibenzo(a,h)anthracene

Concen: 0.033 ng

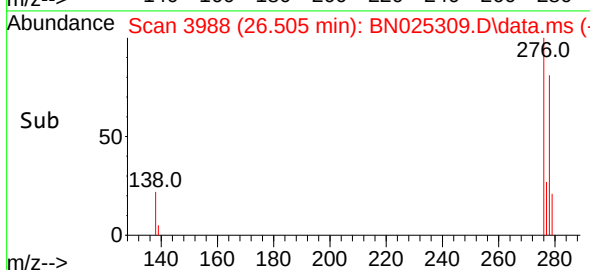
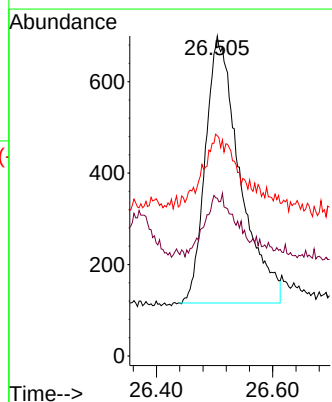
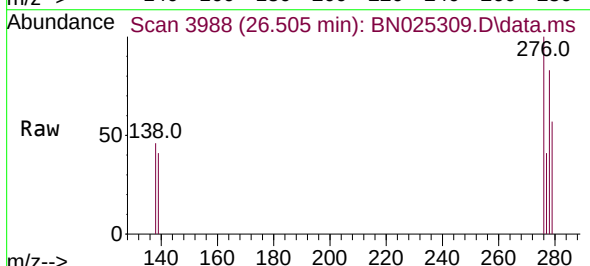
RT: 26.505 min Scan# 3988

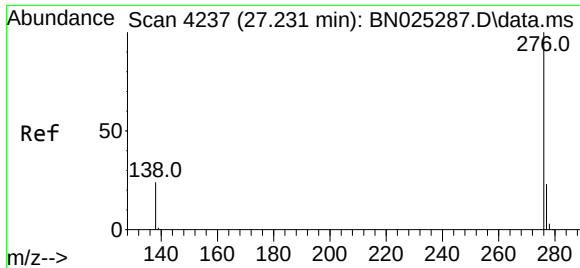
Delta R.T. 0.025 min

Lab File: BN025309.D

Acq: 06 May 2023 11:11

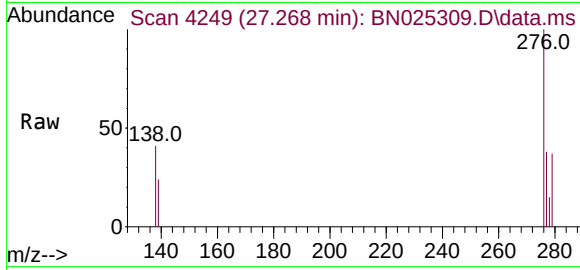
Tgt Ion:	278	Resp:	2398
Ion	Ratio	Lower	Upper
278	100		
139	49.3	17.6	26.4
279	68.9	21.6	32.4





#41
 Benzo(g,h,i)perylene
 Concen: 0.038 ng
 RT: 27.268 min Scan# 41
 Delta R.T. 0.036 min
 Lab File: BN025309.D
 Acq: 06 May 2023 11:11

Instrument :
 BNA_N
 ClientSampleId :
 BP-TT-RW10-MW01S-GW-20230427



Tgt Ion:276 Resp: 3080
 Ion Ratio Lower Upper
 276 100
 277 38.0 20.1 30.1
 138 40.9 21.0 31.6

Manual Integrations
 APPROVED

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

