

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091923\
 Data File : BN027752.D
 Acq On : 19 Sep 2023 16:47
 Operator : MA/JU
 Sample : 04327-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BR-01-170-090623

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/20/2023
 Supervised By :mohammad ahmed 09/20/2023

Quant Time: Sep 19 17:34:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 14:40:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	2033	0.400	ng	0.00
7) Naphthalene-d8	10.831	136	6615	0.400	ng	0.00
13) Acenaphthene-d10	14.641	164	4520	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	12407	0.400	ng	0.00
29) Chrysene-d12	21.578	240	13141	0.400	ng	0.00
35) Perylene-d12	24.072	264	14200	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.538	112	841	0.158	ng	0.00
5) Phenol-d6	7.163	99	610	0.094	ng	0.00
8) Nitrobenzene-d5	9.209	82	1840	0.343	ng	0.00
11) 2-Methylnaphthalene-d10	12.411	152	3002	0.308	ng	0.00
14) 2,4,6-Tribromophenol	16.140	330	737	0.349	ng	0.00
15) 2-Fluorobiphenyl	13.272	172	6046	0.393	ng	0.00
27) Fluoranthene-d10	19.421	212	15096	0.435	ng	0.00
31) Terphenyl-d14	20.006	244	13928	0.565	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.422	88	15262	6.427	ng	98
9) Naphthalene	10.885	128	431	0.024	ng	# 55
25) Phenanthrene	17.443	178	722	0.020	ng	# 84
28) Fluoranthene	19.449	202	1936	0.041	ng	# 82
30) Pyrene	19.816	202	1656	0.037	ng	97
33) Chrysene	21.614	228	1416m	0.028	ng	
34) Bis(2-ethylhexyl)phtha...	21.435	149	2454	0.111	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.697	276	1315	0.020	ng	# 82
37) Benzo(b)fluoranthene	23.300	252	2343	0.044	ng	# 3
38) Benzo(k)fluoranthene	23.350	252	1082m	0.020	ng	
41) Benzo(g,h,i)perylene	27.519	276	1533m	0.027	ng	

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

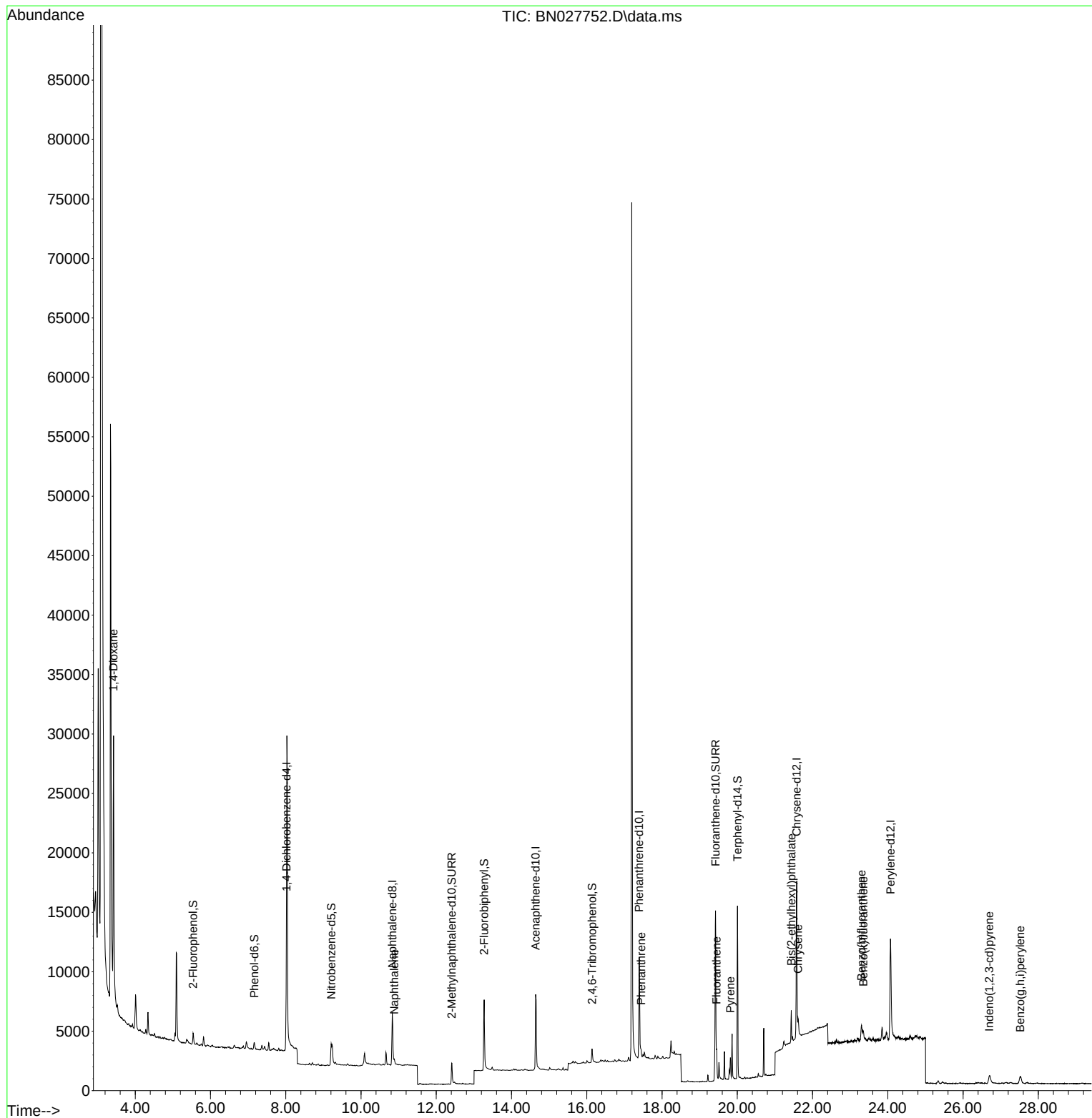
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091923\
Data File : BN027752.D
Acq On : 19 Sep 2023 16:47
Operator : MA/JU
Sample : 04327-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

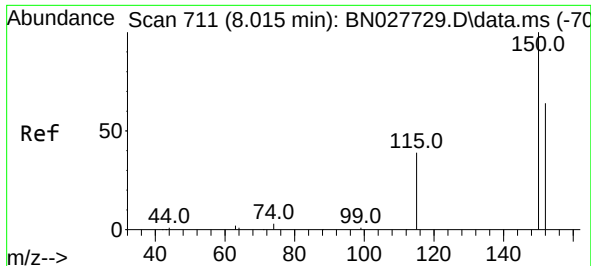
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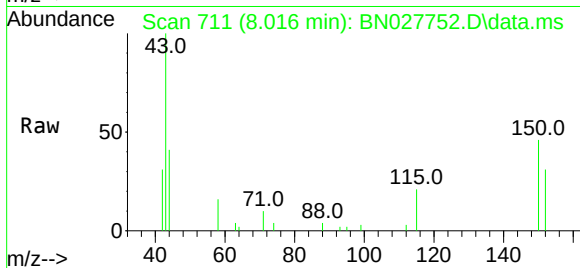
Quant Time: Sep 19 17:34:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 18 14:40:21 2023
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.016 min Scan# 711
 Delta R.T. 0.001 min
 Lab File: BN027752.D
 Acq: 19 Sep 2023 16:47

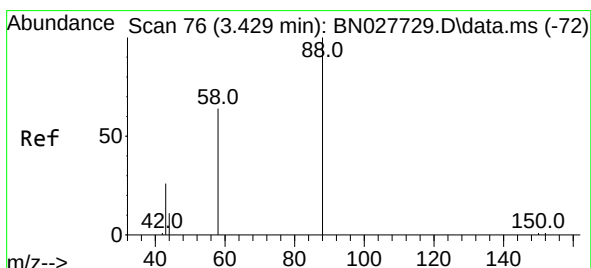
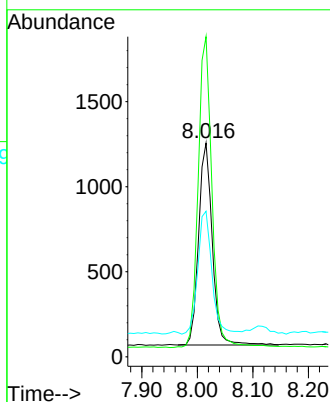
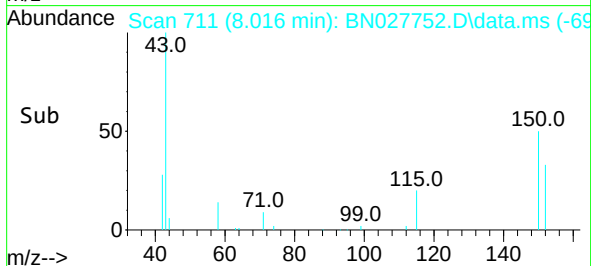
Instrument :
 BNA_N
 ClientSampleId :
 BR-01-170-090623



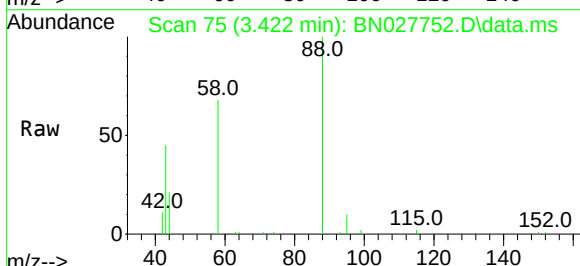
Tgt Ion: 152 Resp: 2038
 Ion Ratio Lower Upper
 152 100
 150 149.8 119.2 178.8
 115 68.2 53.8 80.8

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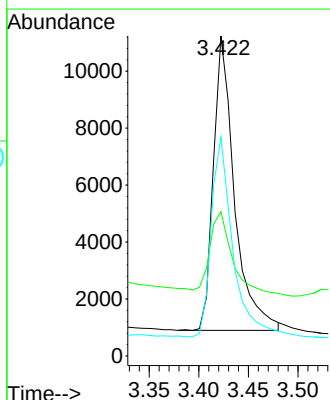
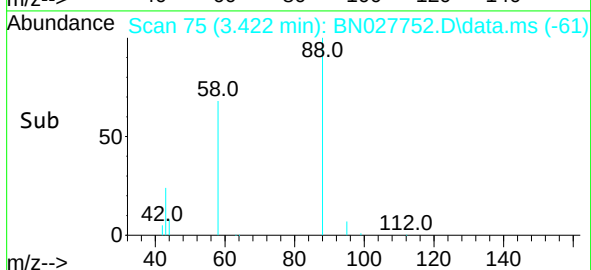
Reviewed By :Yogesh Patel 09/20/2023
 Supervised By :mohammad ahmed 09/20/2023

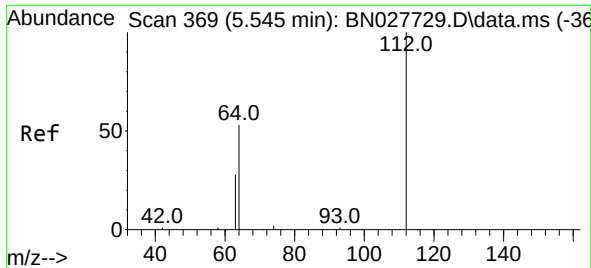


#2
 1,4-Dioxane
 Concen: 6.427 ng
 RT: 3.422 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: BN027752.D
 Acq: 19 Sep 2023 16:47



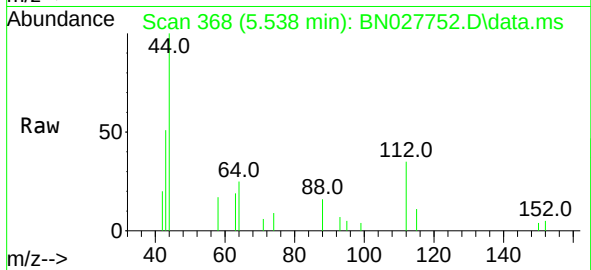
Tgt Ion: 88 Resp: 15262
 Ion Ratio Lower Upper
 88 100
 43 28.8 21.5 32.3
 58 68.6 54.4 81.6





#4
2-Fluorophenol
Concen: 0.158 ng
RT: 5.538 min Scan# 30
Delta R.T. -0.007 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

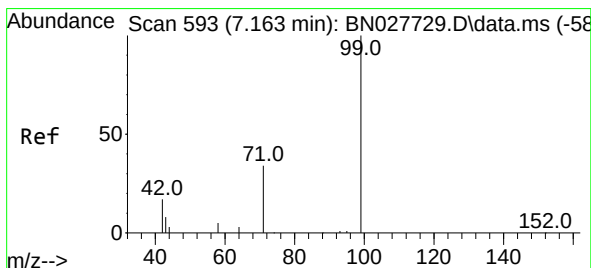
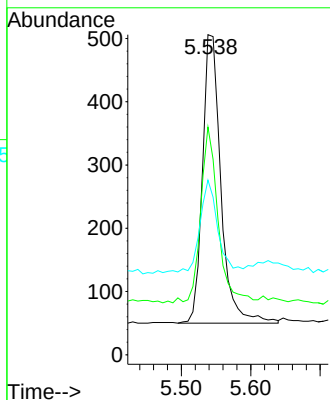
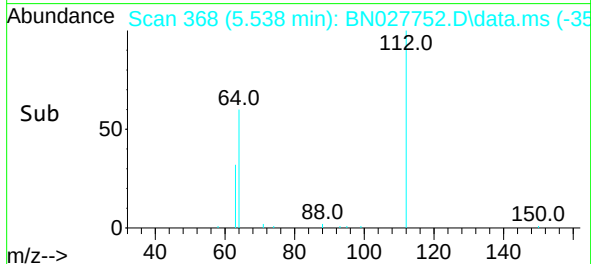
Instrument :
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Tgt Ion:112 Resp: 84
Ion Ratio Lower Upper
112 100
64 57.8 45.0 67.6
63 31.9 24.1 36.1

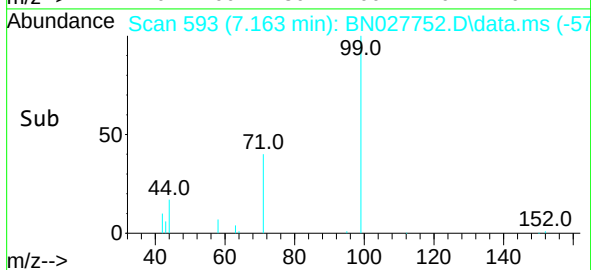
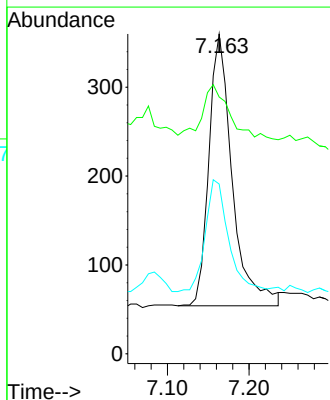
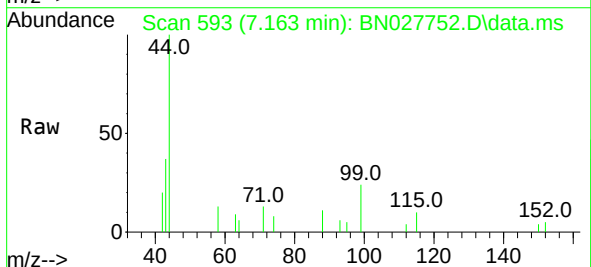
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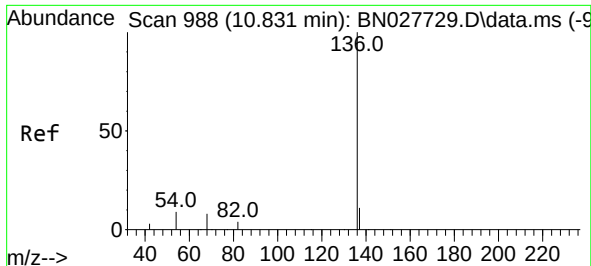
Reviewed By :Yogesh Patel 09/20/2023
Supervised By :mohammad ahmed 09/20/2023



#5
Phenol-d6
Concen: 0.094 ng
RT: 7.163 min Scan# 593
Delta R.T. 0.007 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

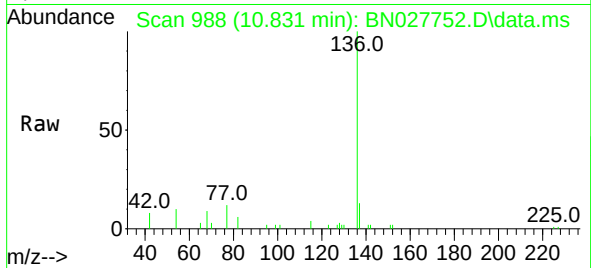
Tgt Ion: 99 Resp: 610
Ion Ratio Lower Upper
99 100
42 23.3 15.8 23.8
71 41.5 27.3 40.9#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.831 min Scan# 988
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

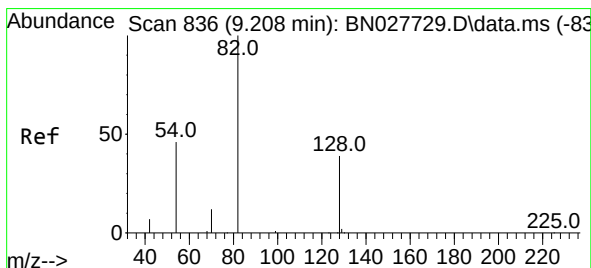
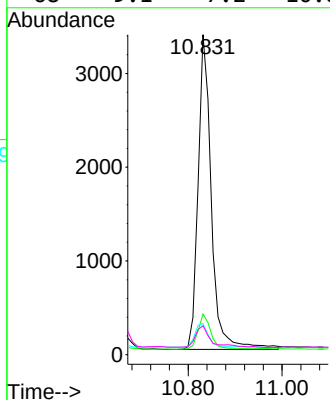
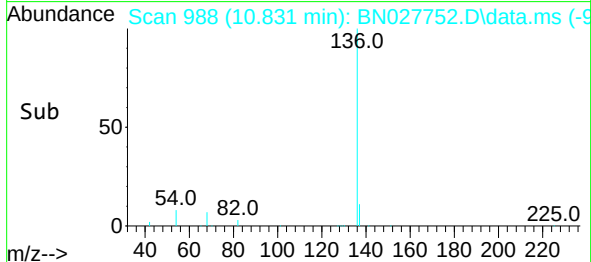
Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623



Tgt Ion:	136	Resp:	661
Ion Ratio	Lower	Upper	
136	100		
137	12.7	9.8	14.8
54	9.7	7.8	11.6
68	9.1	7.2	10.8

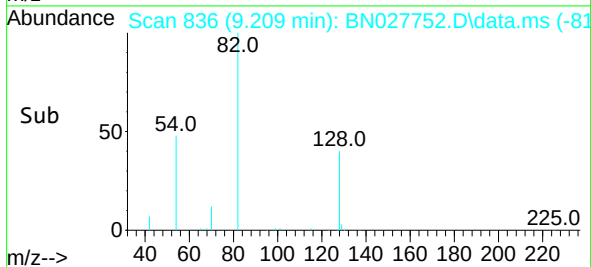
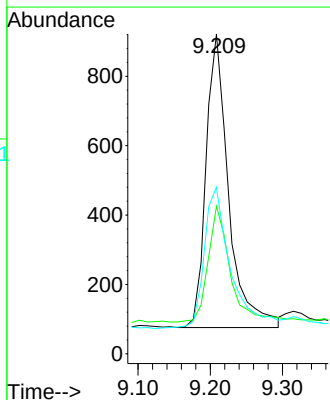
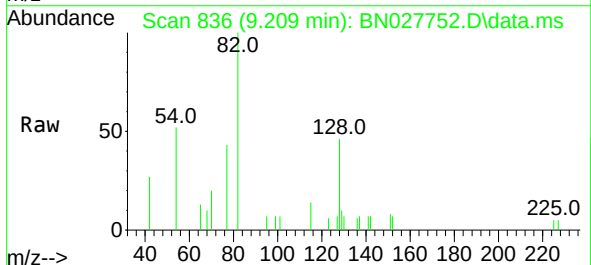
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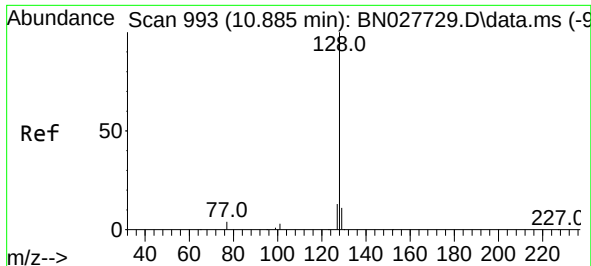
Reviewed By :Yogesh Patel 09/20/2023
Supervised By :mohammad ahmed 09/20/2023



#8
Nitrobenzene-d5
Concen: 0.343 ng
RT: 9.209 min Scan# 836
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

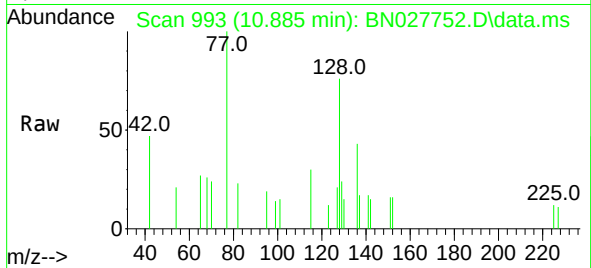
Tgt Ion:	82	Resp:	1840
Ion Ratio	Lower	Upper	
82	100		
128	46.2	35.1	52.7
54	52.1	35.1	52.7





#9
Naphthalene
Concen: 0.024 ng
RT: 10.885 min Scan# 993
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

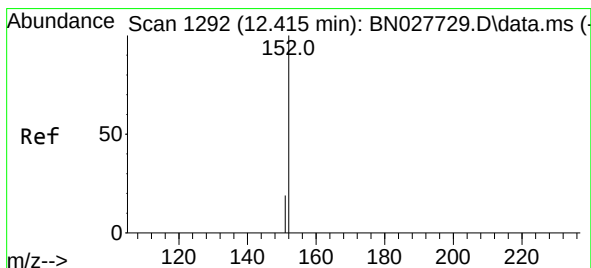
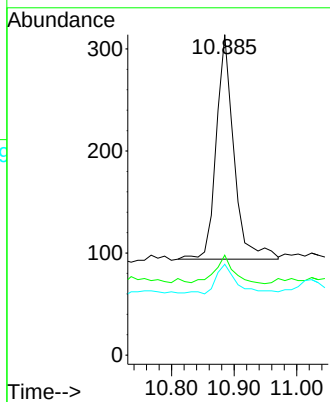
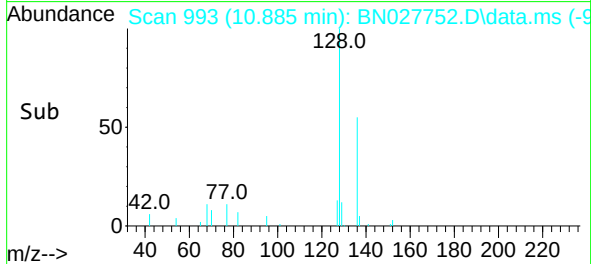
Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623



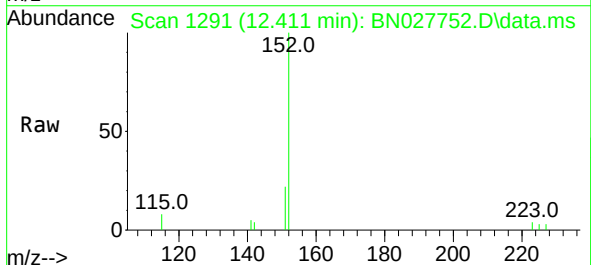
Tgt Ion:128 Resp: 431
Ion Ratio Lower Upper
128 100
129 31.2 8.9 13.3
127 28.3 10.4 15.6

Manual Integrations
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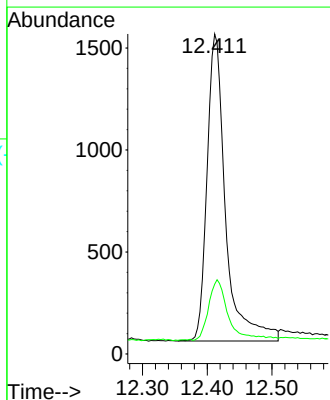
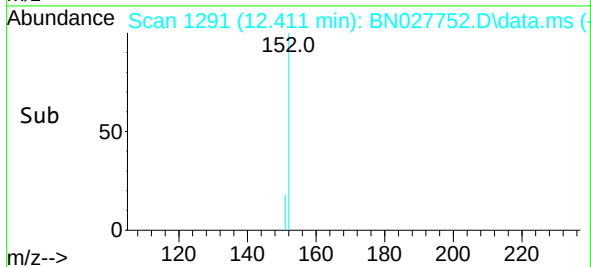
Reviewed By :Yogesh Patel 09/20/2023
Supervised By :mohammad ahmed 09/20/2023

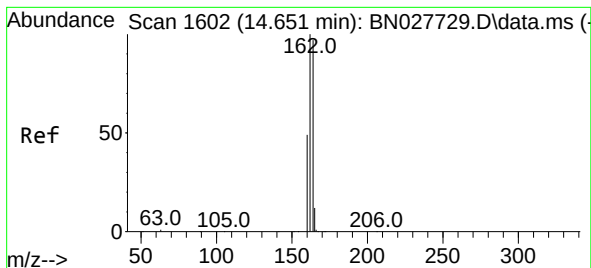


#11
2-Methylnaphthalene-d10
Concen: 0.308 ng
RT: 12.411 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47



Tgt Ion:152 Resp: 3002
Ion Ratio Lower Upper
152 100
151 21.2 16.5 24.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.641 min Scan# 1602

Delta R.T. 0.000 min

Lab File: BN027752.D

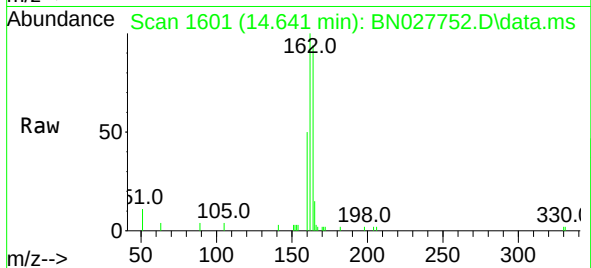
Acq: 19 Sep 2023 16:47

Instrument :

BNA_N

ClientSampleId :

BR-01-170-090623



Tgt Ion:164 Resp: 4520

Ion Ratio Lower Upper

164 100

162 106.4 83.4 125.2

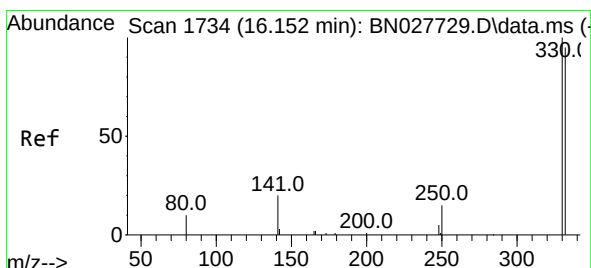
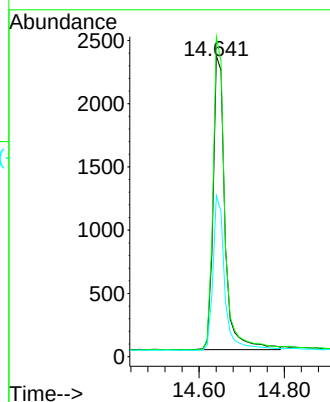
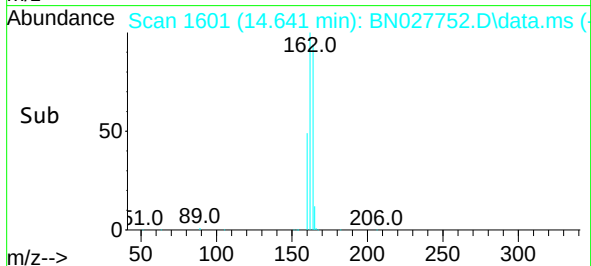
160 53.5 41.0 61.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/20/2023

Supervised By :mohammad ahmed 09/20/2023



#14

2,4,6-Tribromophenol

Concen: 0.349 ng

RT: 16.140 min Scan# 1733

Delta R.T. 0.000 min

Lab File: BN027752.D

Acq: 19 Sep 2023 16:47

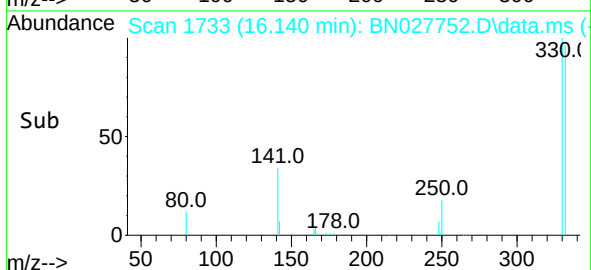
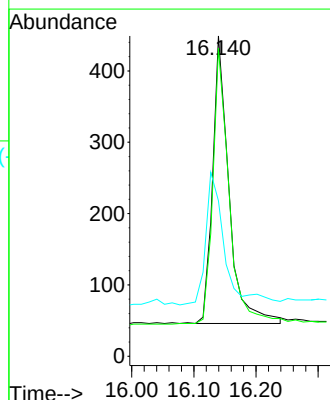
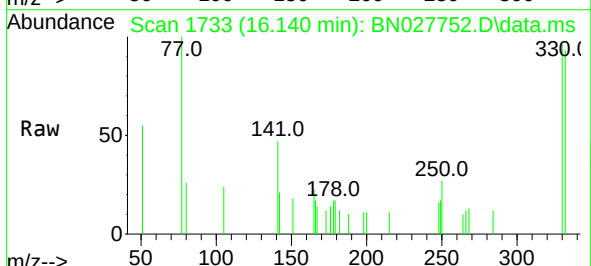
Tgt Ion:330 Resp: 737

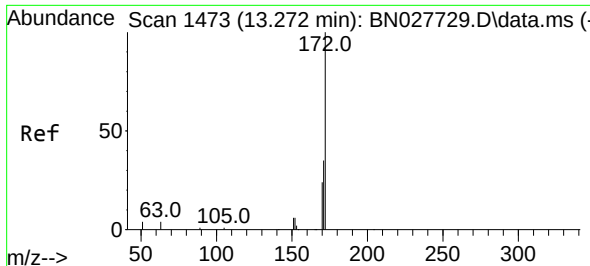
Ion Ratio Lower Upper

330 100

332 95.1 76.6 115.0

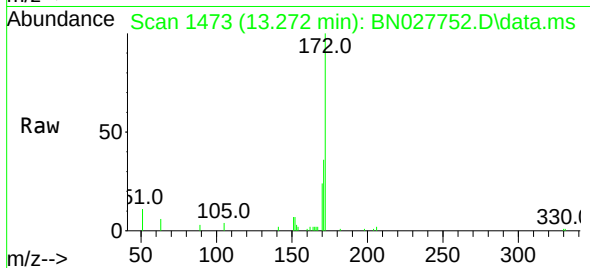
141 53.3 38.2 57.2





#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 13.272 min Scan# 1473
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

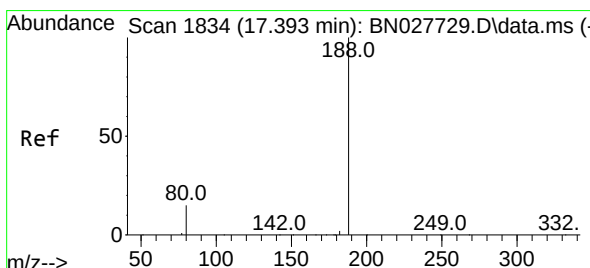
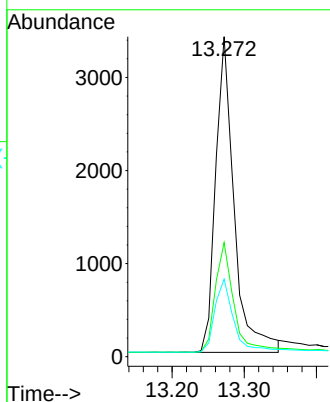
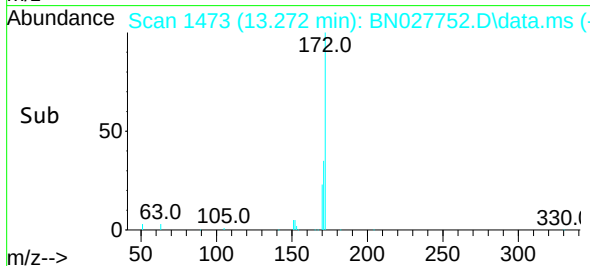
Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623



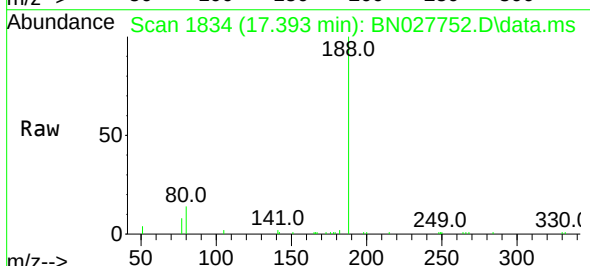
Tgt Ion:172 Resp: 6040
Ion Ratio Lower Upper
172 100
171 35.7 27.6 41.4
170 24.2 18.7 28.1

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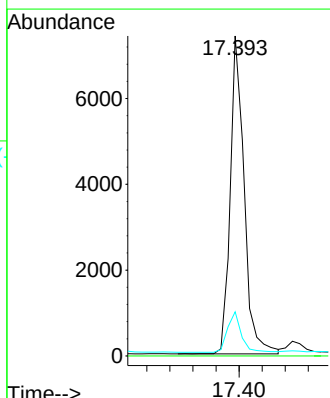
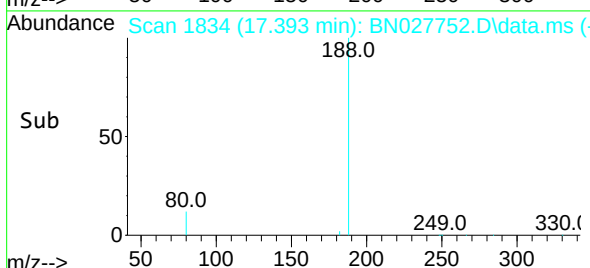
Reviewed By :Yogesh Patel 09/20/2023
Supervised By :mohammad ahmed 09/20/2023

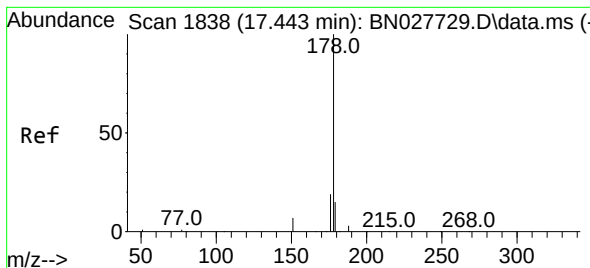


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1834
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47



Tgt Ion:188 Resp: 12407
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.8 9.5 14.3





#25

Phenanthrene

Concen: 0.020 ng

RT: 17.443 min Scan# 11

Delta R.T. 0.013 min

Lab File: BN027752.D

Acq: 19 Sep 2023 16:47

Instrument :

BNA_N

ClientSampleId :

BR-01-170-090623

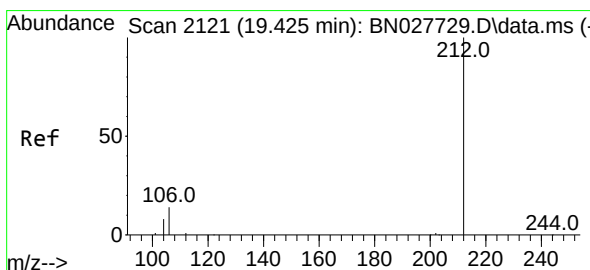
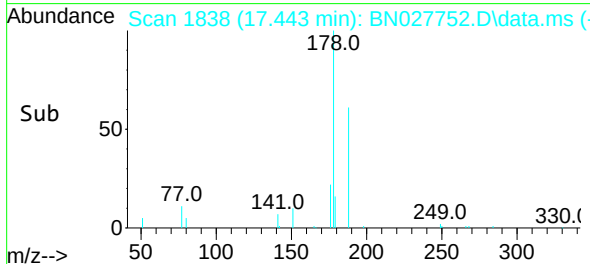
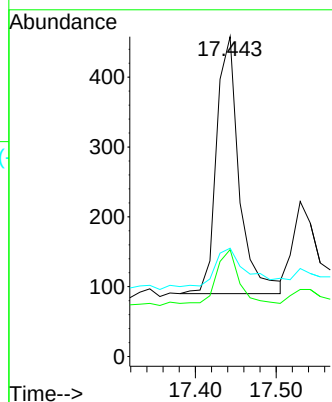
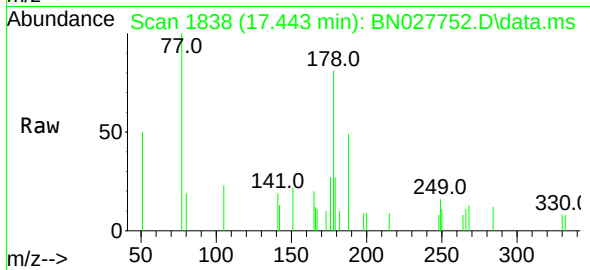
Tgt Ion:	178	Resp:	72
Ion Ratio	Lower	Upper	
178	100		
176	24.5	15.4	23.2
179	24.7	12.2	18.2

Manual Integrations

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Supervised By :mohammad ahmed 09/20/2023



#27

Fluoranthene-d10

Concen: 0.435 ng

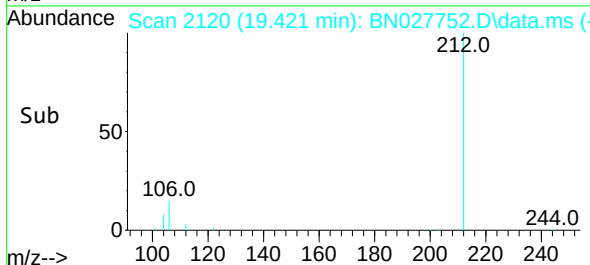
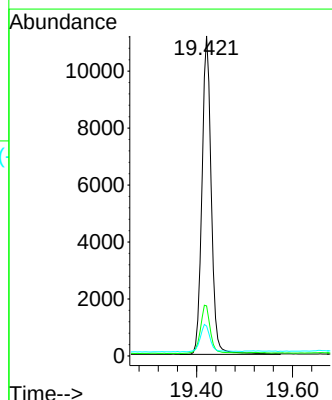
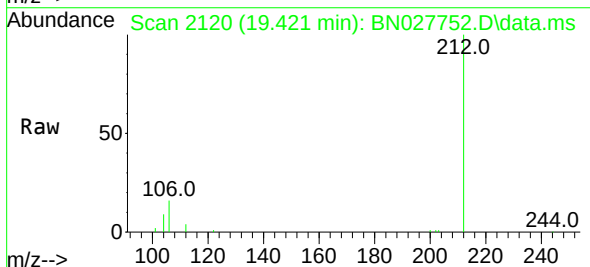
RT: 19.421 min Scan# 2120

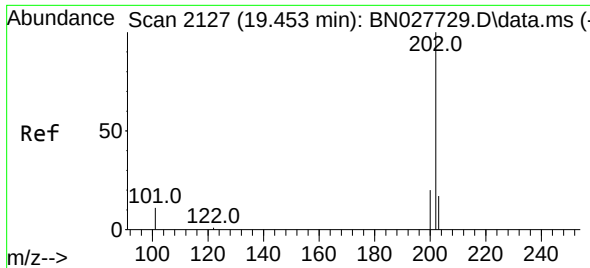
Delta R.T. 0.000 min

Lab File: BN027752.D

Acq: 19 Sep 2023 16:47

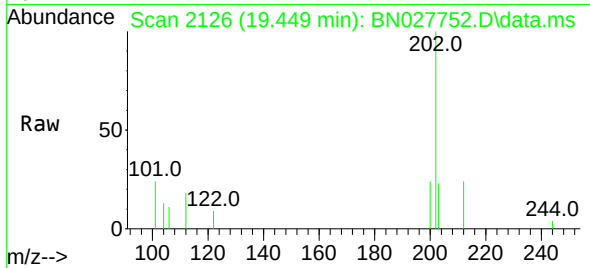
Tgt Ion:	212	Resp:	15096
Ion Ratio	Lower	Upper	
212	100		
106	16.1	11.9	17.9
104	9.3	6.7	10.1





#28
Fluoranthene
Concen: 0.041 ng
RT: 19.449 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

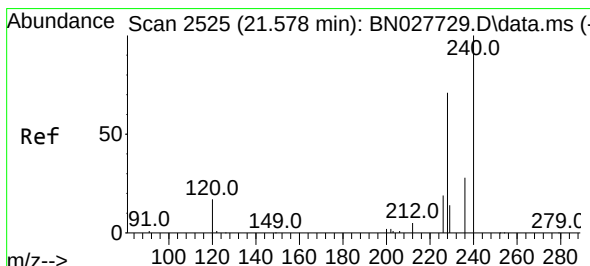
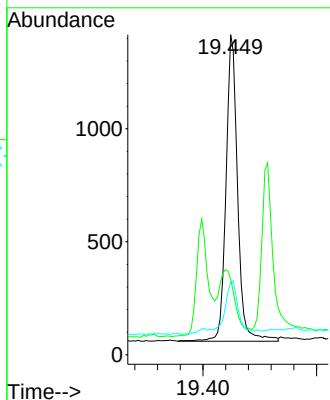
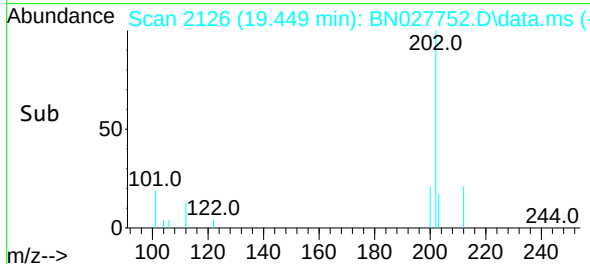
Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623



Tgt Ion:202 Resp: 1930
Ion Ratio Lower Upper
202 100
101 28.8 9.5 14.3
203 17.4 13.8 20.8

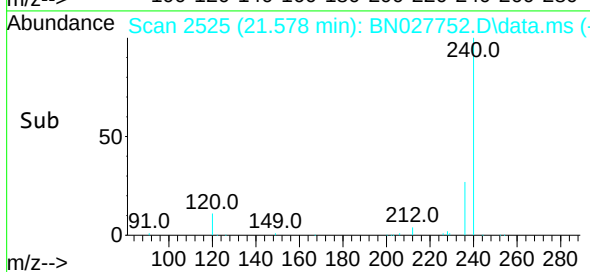
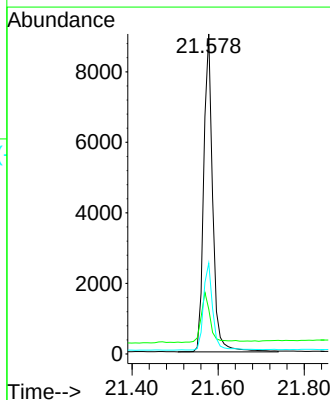
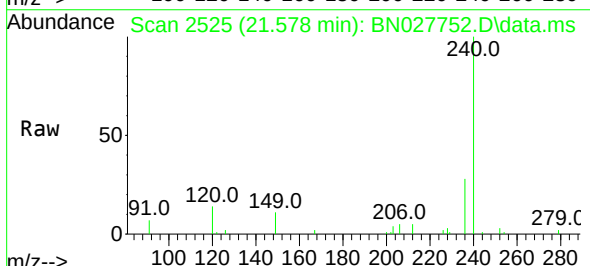
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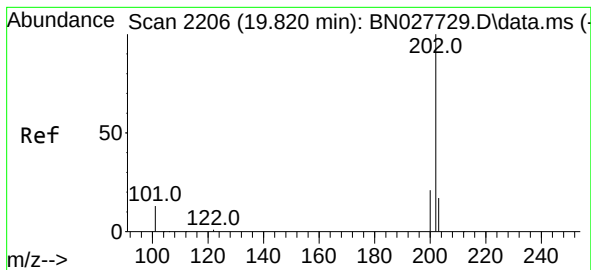
Reviewed By :Yogesh Patel 09/20/2023
Supervised By :mohammad ahmed 09/20/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.578 min Scan# 2525
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

Tgt Ion:240 Resp: 13141
Ion Ratio Lower Upper
240 100
120 14.0 10.7 16.1
236 28.4 22.4 33.6





#30

Pyrene

Concen: 0.037 ng

RT: 19.816 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027752.D

Acq: 19 Sep 2023 16:47

Instrument :

BNA_N

ClientSampleId :

BR-01-170-090623

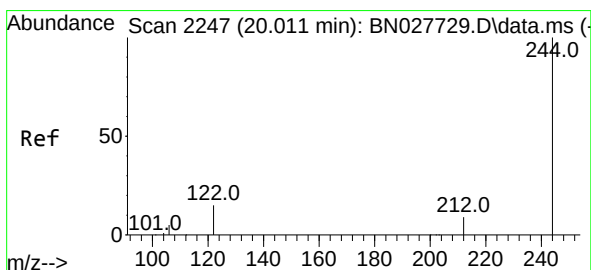
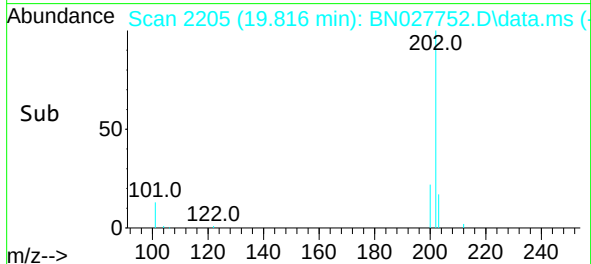
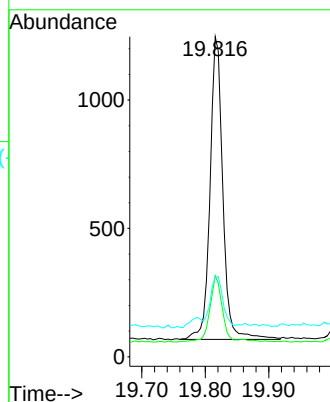
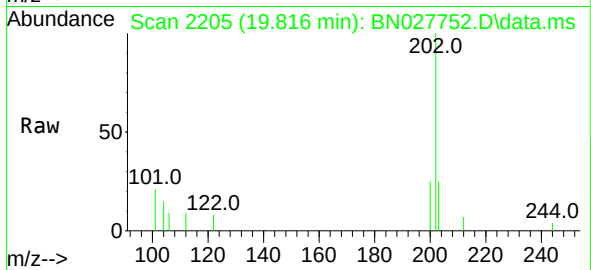
Tgt Ion:	202	Resp:	1650
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.8	25.2
203	15.5	14.2	21.4

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Reviewed By :Yogesh Patel 09/20/2023

Supervised By :mohammad ahmed 09/20/2023



#31

Terphenyl-d14

Concen: 0.565 ng

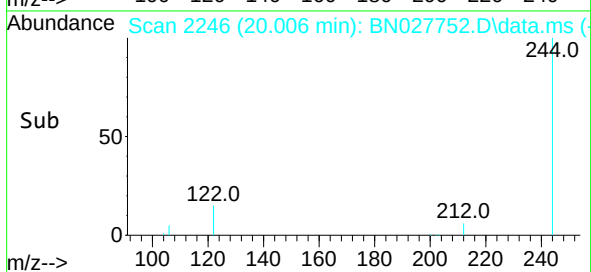
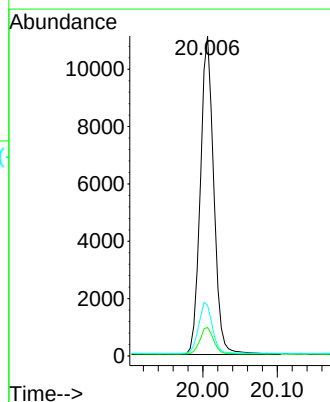
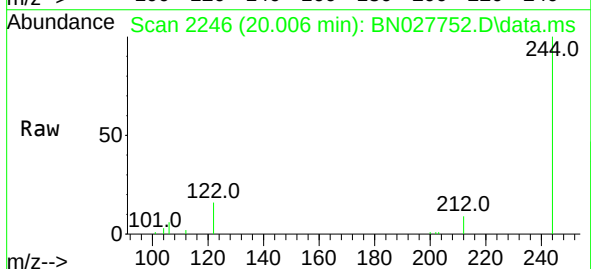
RT: 20.006 min Scan# 2246

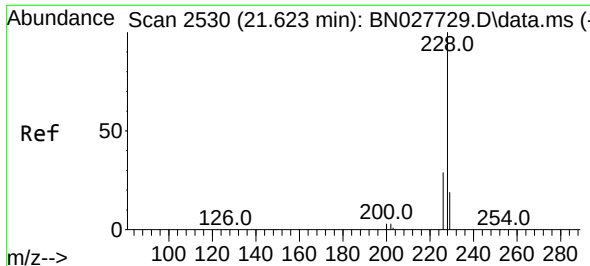
Delta R.T. 0.000 min

Lab File: BN027752.D

Acq: 19 Sep 2023 16:47

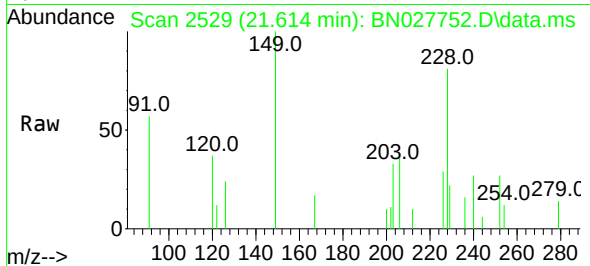
Tgt Ion:	244	Resp:	13928
Ion Ratio	Lower	Upper	
244	100		
212	8.9	7.0	10.4
122	15.8	12.7	19.1





#33
Chrysene
Concen: 0.028 ng m
RT: 21.614 min Scan# 2160
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

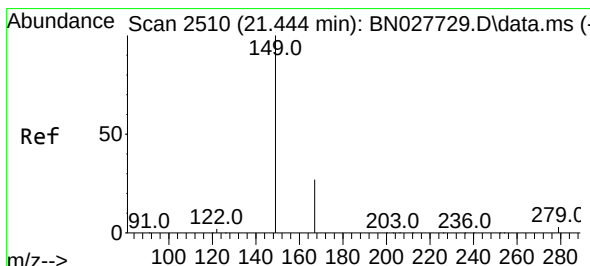
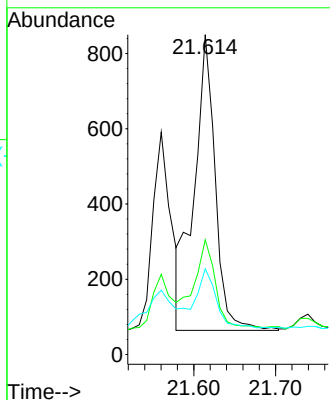
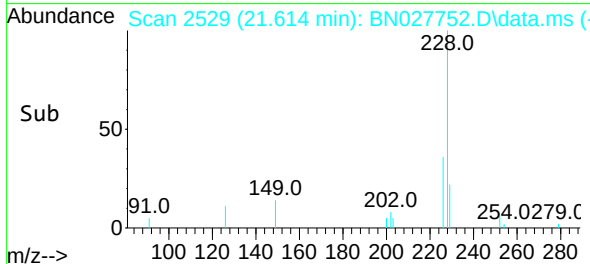
Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623



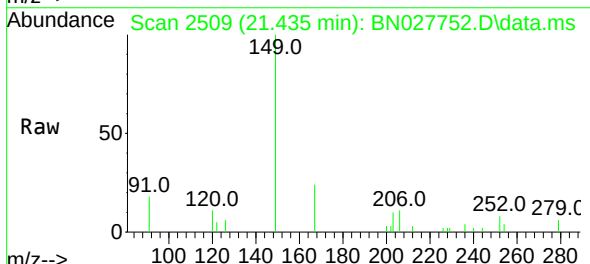
Tgt Ion:228 Resp: 1410
Ion Ratio Lower Upper
228 100
226 35.9 24.1 36.1
229 26.8 15.6 23.4

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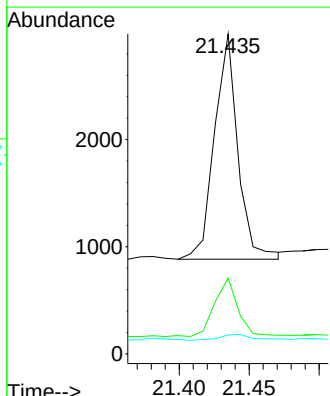
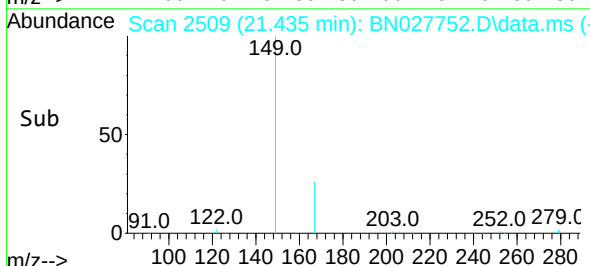
Reviewed By :Yogesh Patel 09/20/2023
Supervised By :mohammad ahmed 09/20/2023

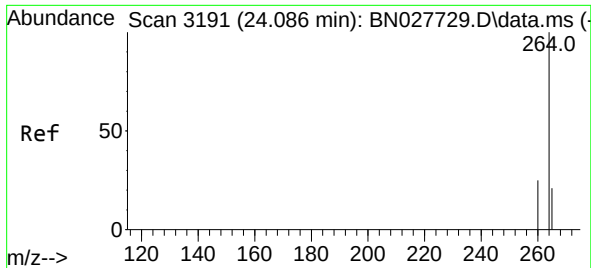


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.111 ng
RT: 21.435 min Scan# 2509
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47



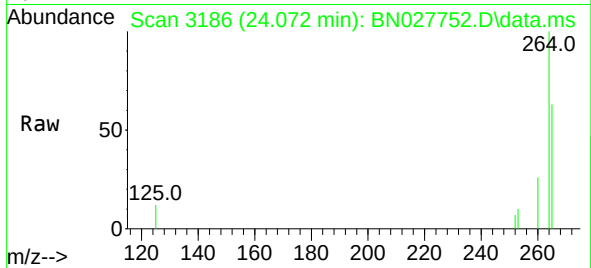
Tgt Ion:149 Resp: 2454
Ion Ratio Lower Upper
149 100
167 26.0 21.5 32.3
279 4.2 2.3 3.5





#35
Perylene-d12
Concen: 0.400 ng
RT: 24.072 min Scan# 3191
Delta R.T. 0.000 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

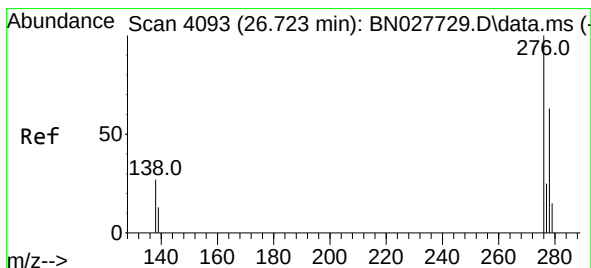
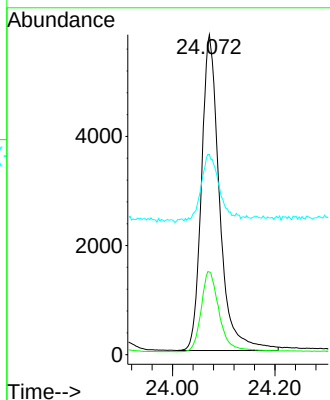
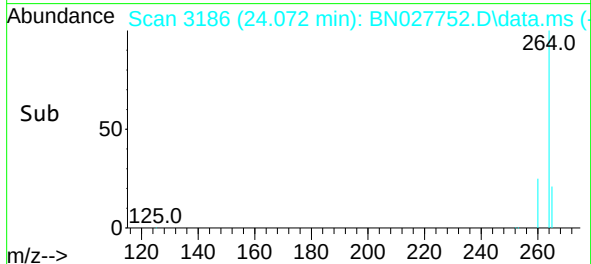
Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623



Tgt Ion:264 Resp: 14200
Ion Ratio Lower Upper
264 100
260 25.8 20.9 31.3
265 62.6 56.6 85.0

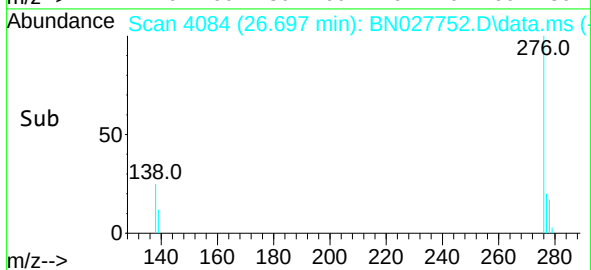
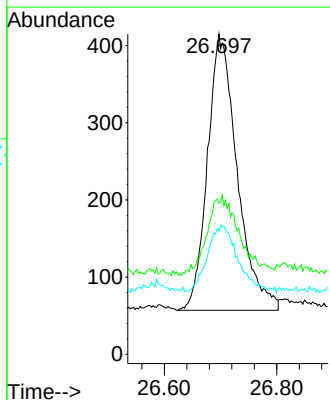
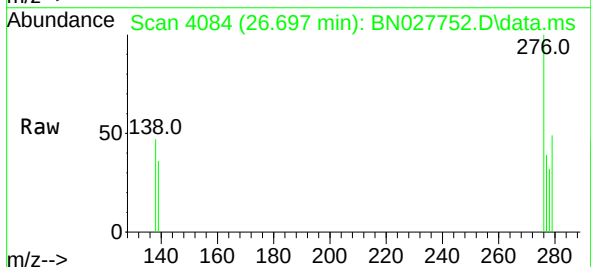
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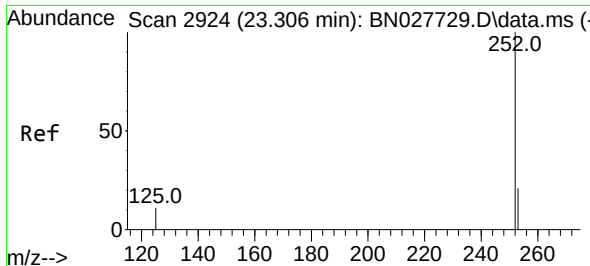
Reviewed By :Yogesh Patel 09/20/2023
Supervised By :mohammad ahmed 09/20/2023



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.020 ng
RT: 26.697 min Scan# 4084
Delta R.T. 0.003 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

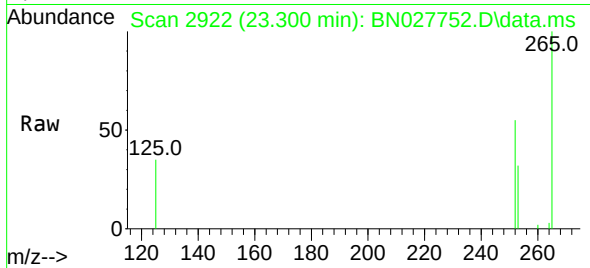
Tgt Ion:276 Resp: 1315
Ion Ratio Lower Upper
276 100
138 12.5 23.4 35.0#
277 23.4 19.9 29.9





#37
Benzo(b)fluoranthene
Concen: 0.044 ng
RT: 23.300 min Scan# 2924
Delta R.T. 0.003 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47

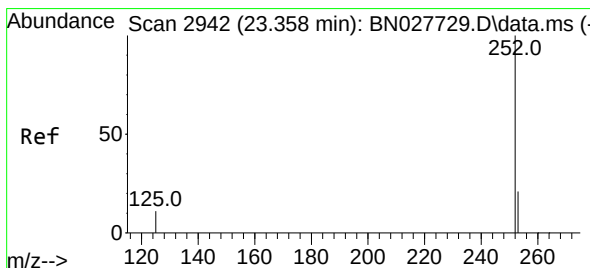
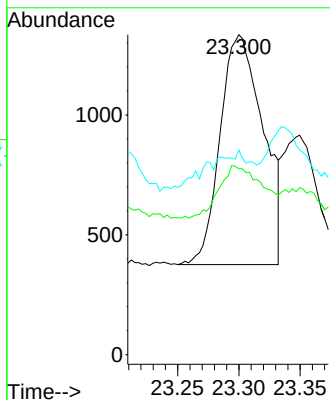
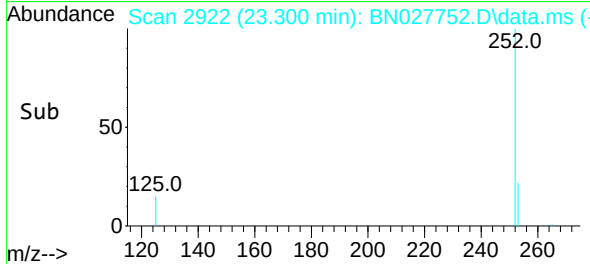
Instrument :
BNA_N
ClientSampleId :
BR-01-170-090623



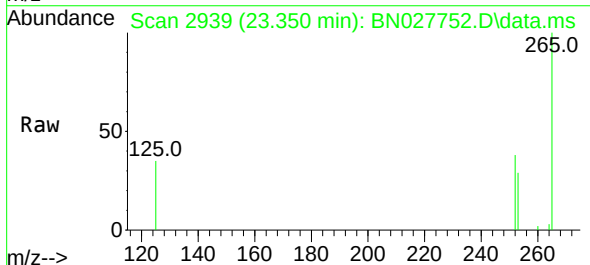
Tgt Ion:252 Resp: 234
Ion Ratio Lower Upper
252 100
253 58.1 17.6 26.4#
125 64.0 9.2 13.8#

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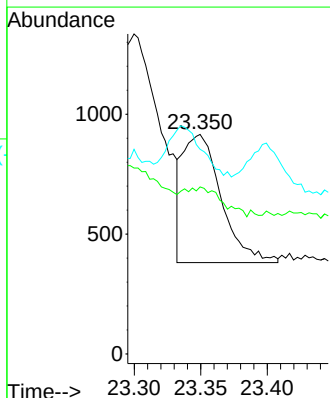
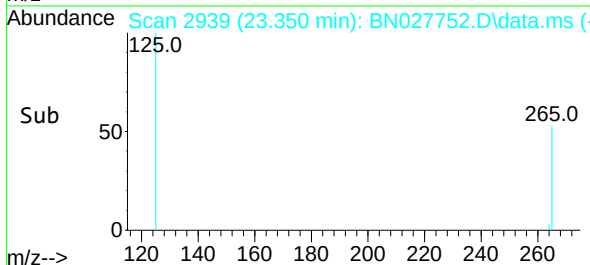
Reviewed By :Yogesh Patel 09/20/2023
Supervised By :mohammad ahmed 09/20/2023

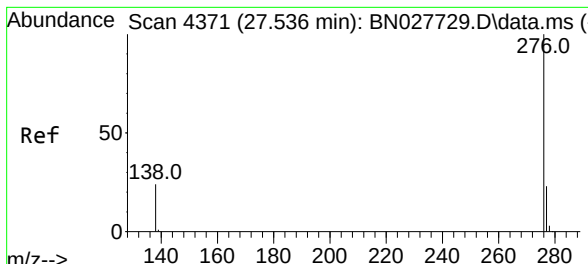


#38
Benzo(k)fluoranthene
Concen: 0.020 ng m
RT: 23.350 min Scan# 2939
Delta R.T. 0.003 min
Lab File: BN027752.D
Acq: 19 Sep 2023 16:47



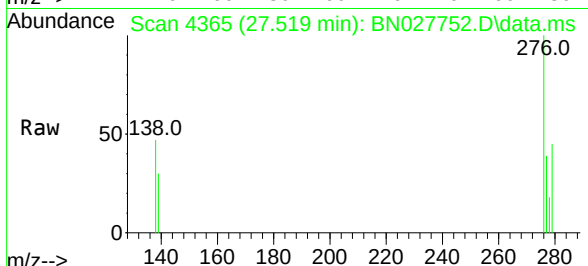
Tgt Ion:252 Resp: 1082
Ion Ratio Lower Upper
252 100
253 76.1 17.5 26.3#
125 93.2 9.3 13.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.027 ng m
 RT: 27.519 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: BN027752.D
 Acq: 19 Sep 2023 16:47

Instrument :
 BNA_N
 ClientSampleId :
 BR-01-170-090623



Tgt Ion: 276 Resp: 153

Ion	Ratio	Lower	Upper
276	100		
277	39.5	19.0	28.4
138	46.7	20.2	30.4

Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 09/20/2023
 Supervised By :mohammad ahmed 09/20/2023

