

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080723\
 Data File : BN026832.D
 Acq On : 07 Aug 2023 15:52
 Operator : MA/JU
 Sample : 03862-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EQUIPMENT-BLANK-1

Quant Time: Aug 08 00:50:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 00:35:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	11160	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	34724	0.400	ng	-0.01
13) Acenaphthene-d10	14.737	164	20069	0.400	ng	-0.01
19) Phenanthrene-d10	17.480	188	41148	0.400	ng	-0.01
29) Chrysene-d12	21.659	240	27830	0.400	ng	#-0.02
35) Perylene-d12	24.218	264	22607	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	3329	0.118	ng	0.00
5) Phenol-d6	7.235	99	2356	0.064	ng	0.00
8) Nitrobenzene-d5	9.294	82	8215	0.400	ng	-0.01
11) 2-Methylnaphthalene-d10	12.513	152	16762	0.337	ng	-0.01
14) 2,4,6-Tribromophenol	16.226	330	3016	0.441	ng	0.00
15) 2-Fluorobiphenyl	13.368	172	29791	0.364	ng	-0.01
27) Fluoranthene-d10	19.504	212	36513	0.370	ng	0.00
31) Terphenyl-d14	20.094	244	33746	0.582	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.991	128	3065	0.032	ng	# 88
16) Acenaphthylene	14.469	152	4568	0.046	ng	# 95
25) Phenanthrene	17.530	178	18143	0.145	ng	98
26) Anthracene	17.616	178	3367	0.030	ng	95
28) Fluoranthene	19.532	202	16872	0.121	ng	# 73
30) Pyrene	19.899	202	15993	0.133	ng	97
32) Benzo(a)anthracene	21.641	228	6296	0.066	ng	# 83
33) Chrysene	21.694	228	7510	0.071	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.542	149	60070	1.897	ng	97
36) Indeno(1,2,3-cd)pyrene	26.919	276	2782	0.030	ng	# 68
37) Benzo(b)fluoranthene	23.425	252	5769	0.065	ng	# 46
38) Benzo(k)fluoranthene	23.475	252	2418m	0.026	ng	
39) Benzo(a)pyrene	24.098	252	2442	0.030	ng	# 18
41) Benzo(g,h,i)perylene	27.755	276	2559m	0.030	ng	

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

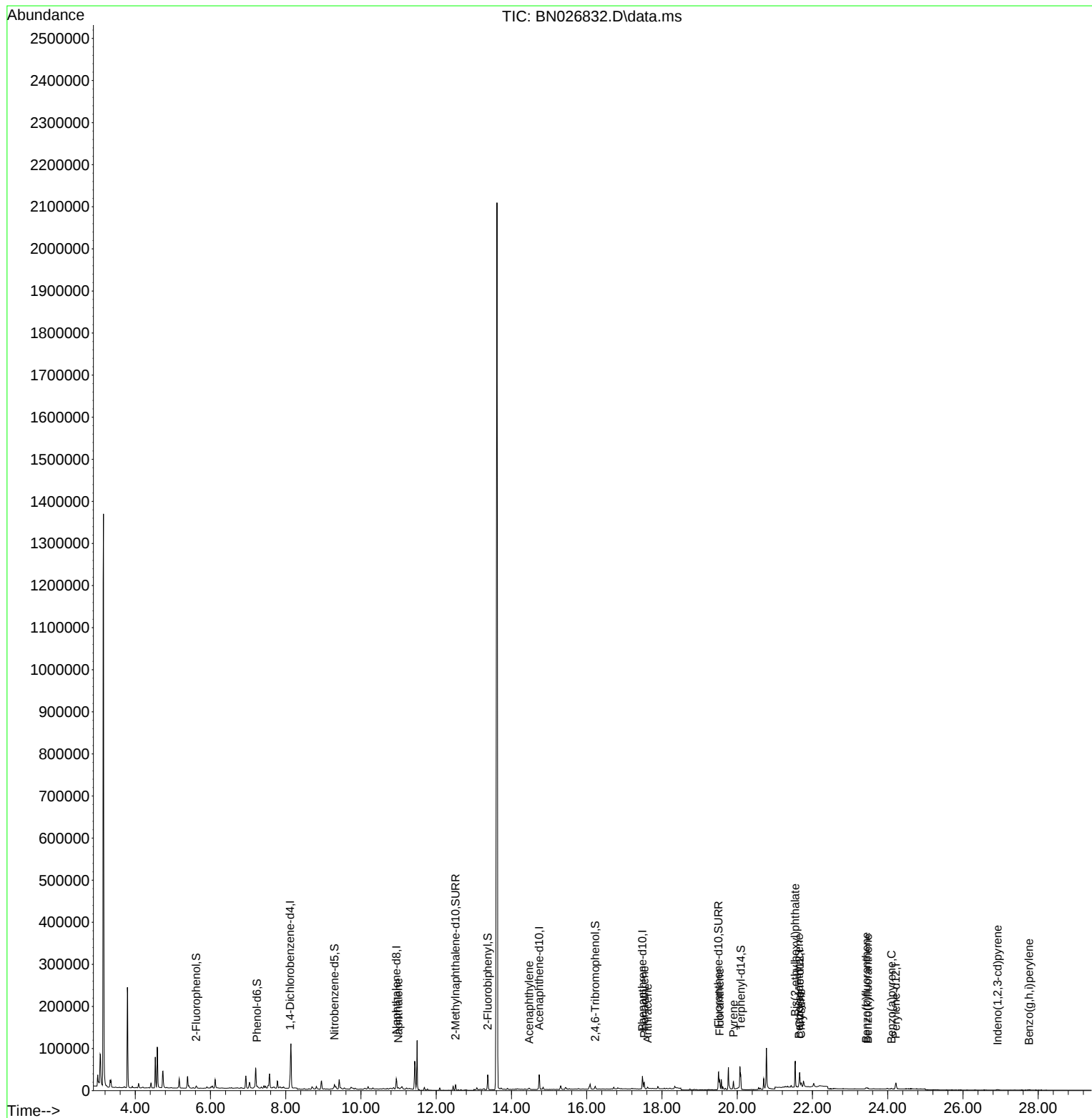
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080723\
Data File : BN026832.D
Acq On : 07 Aug 2023 15:52
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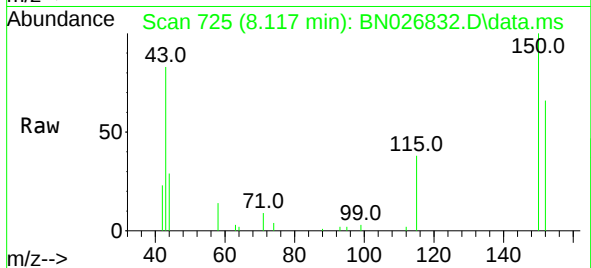
Quant Time: Aug 08 00:50:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 00:35:47 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.117 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

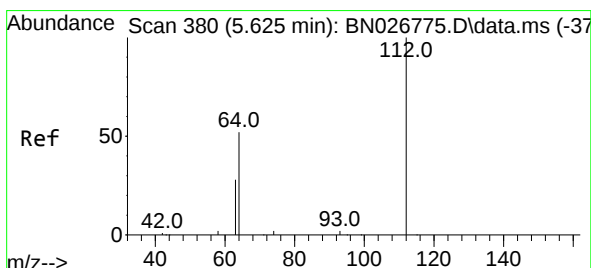
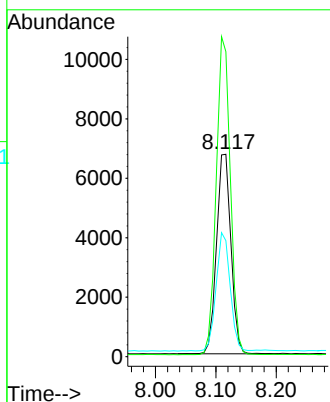
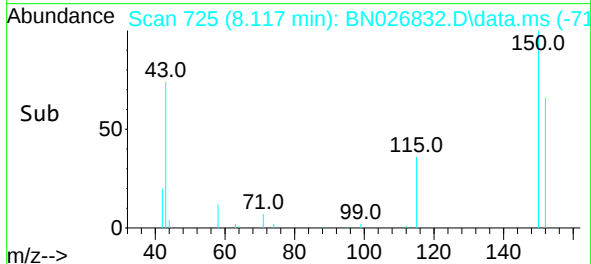
Instrument :
BNA_N
ClientSampleId :
EQUIPMENT-BLANK-1



Tgt Ion:152 Resp: 11160
Ion Ratio Lower Upper
152 100
150 150.7 123.8 185.8
115 57.3 48.0 72.0

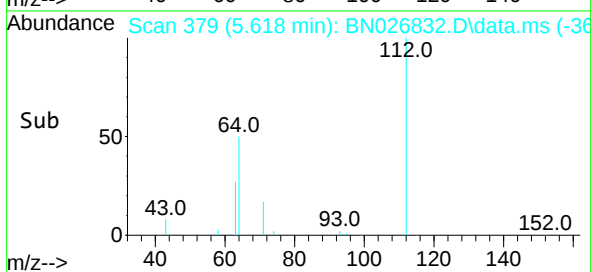
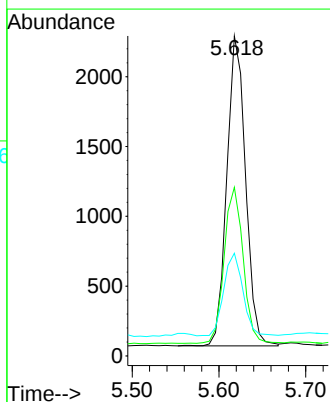
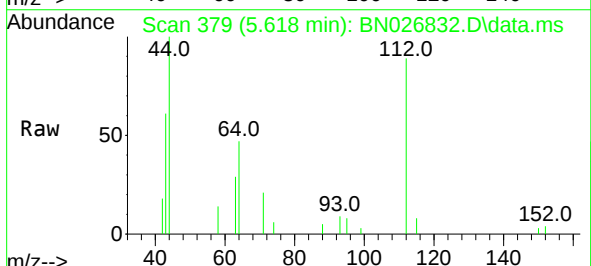
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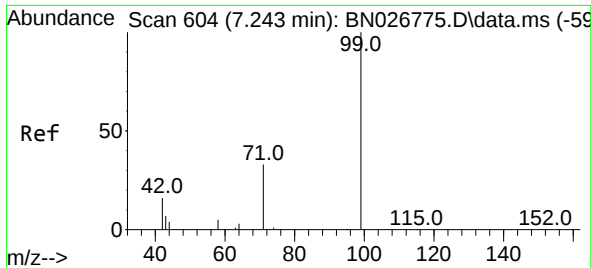
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#4
2-Fluorophenol
Concen: 0.118 ng
RT: 5.618 min Scan# 379
Delta R.T. -0.007 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

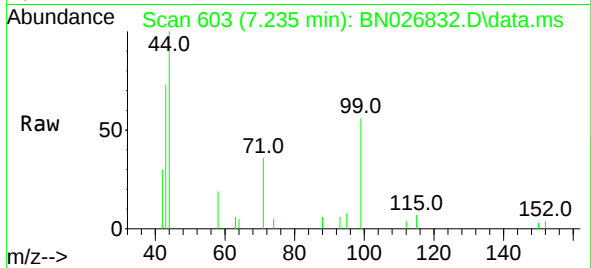
Tgt Ion:112 Resp: 3329
Ion Ratio Lower Upper
112 100
64 50.9 42.2 63.2
63 27.1 22.7 34.1





#5
Phenol-d6
Concen: 0.064 ng
RT: 7.235 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

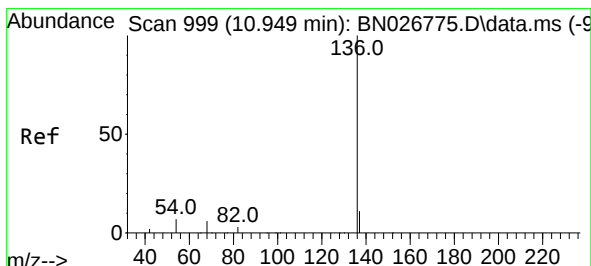
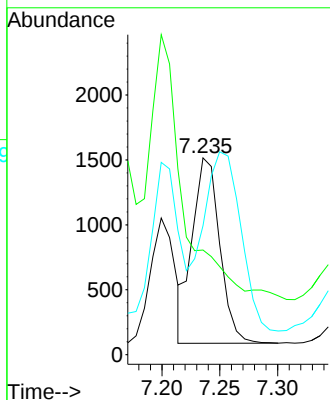
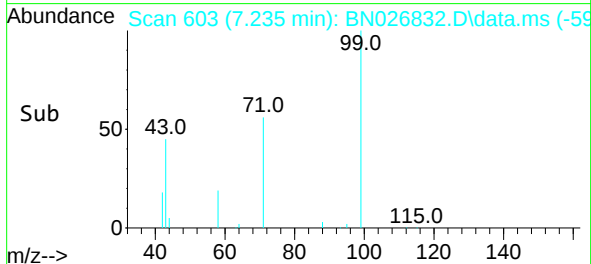
Instrument :
BNA_N
ClientSampleId :
EQUIPMENT-BLANK-1



Tgt Ion: 99 Resp: 2350
Ion Ratio Lower Upper
99 100
42 0.0 14.6 22.0
71 133.2 26.6 40.0

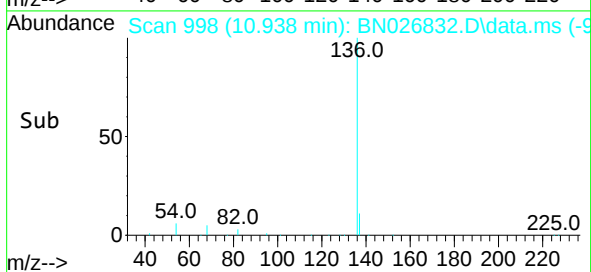
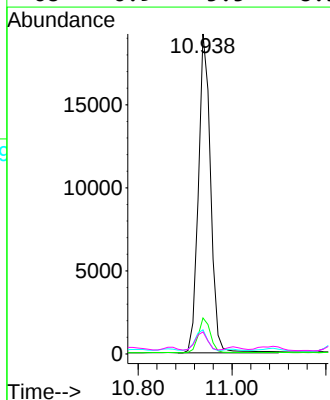
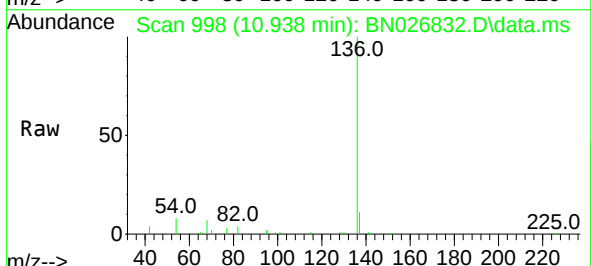
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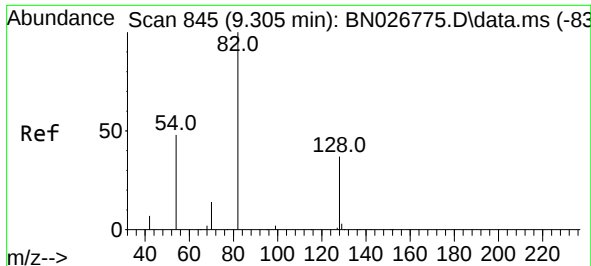
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.011 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

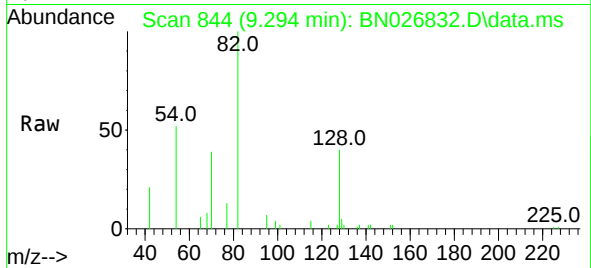
Tgt Ion:136 Resp: 34724
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 7.5 6.2 9.2
68 6.9 5.5 8.3





#8
Nitrobenzene-d5
Concen: 0.400 ng
RT: 9.294 min Scan# 845
Delta R.T. -0.011 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

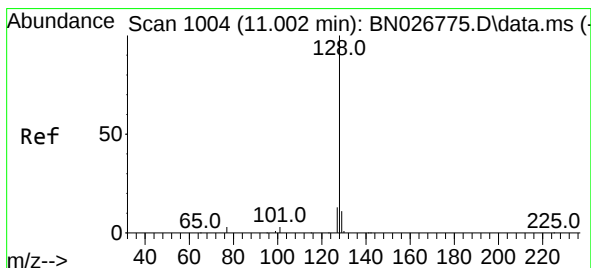
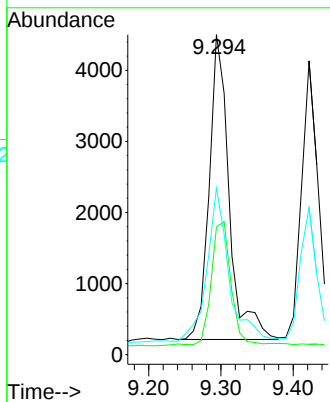
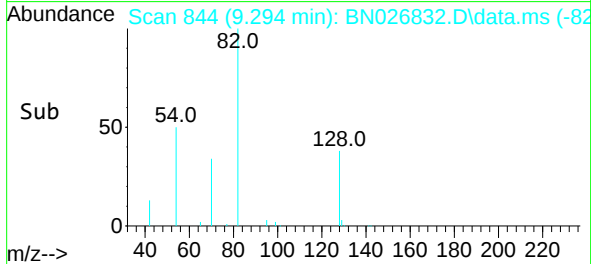
Instrument :
BNA_N
ClientSampleId :
EQUIPMENT-BLANK-1



Tgt Ion: 82 Resp: 8215
Ion Ratio Lower Upper
82 100
128 39.9 30.5 45.7
54 52.1 39.4 59.2

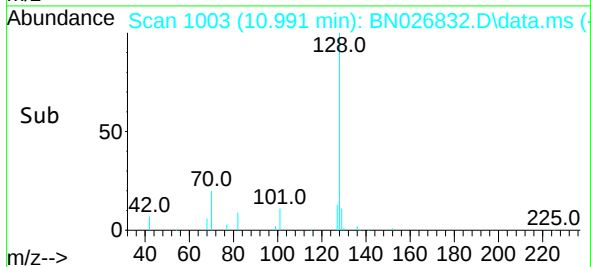
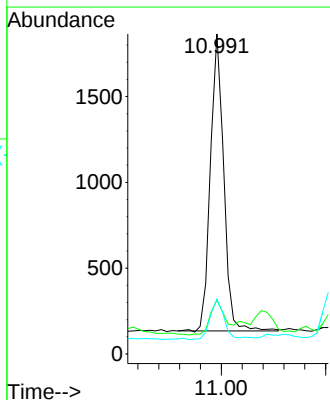
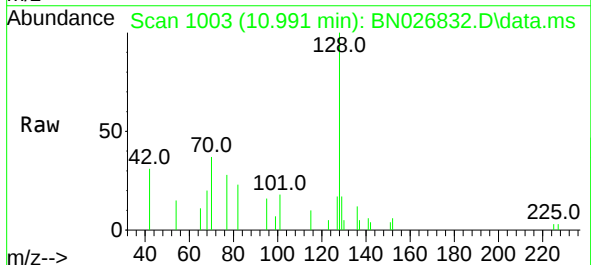
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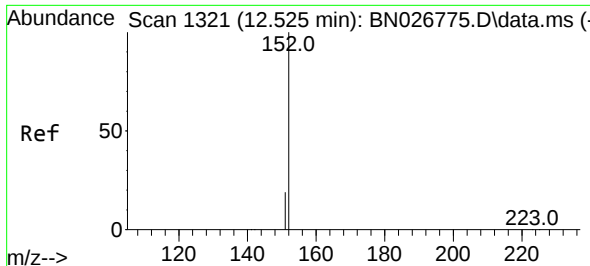
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#9
Naphthalene
Concen: 0.032 ng
RT: 10.991 min Scan# 1003
Delta R.T. -0.011 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

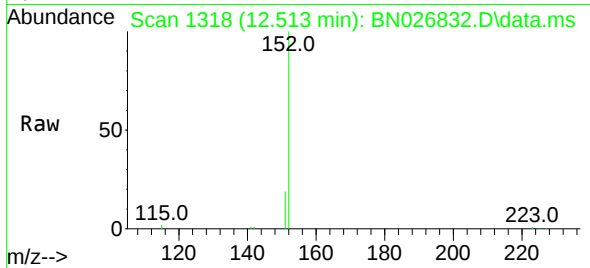
Tgt Ion:128 Resp: 3065
Ion Ratio Lower Upper
128 100
129 16.8 9.0 13.4#
127 17.2 10.6 16.0#





#11
2-Methylnaphthalene-d10
Concen: 0.337 ng
RT: 12.513 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

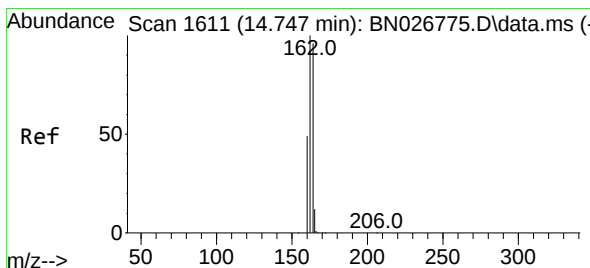
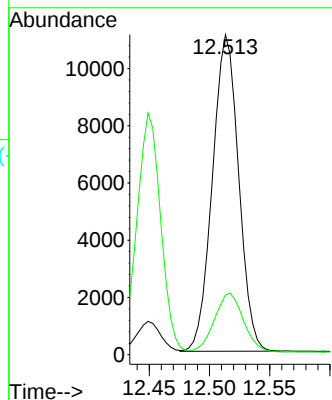
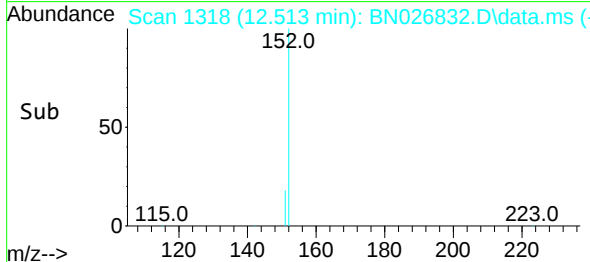
Instrument :
BNA_N
ClientSampleId :
EQUIPMENT-BLANK-1



Tgt Ion:152 Resp: 16762
Ion Ratio Lower Upper
152 100
151 20.4 16.5 24.7

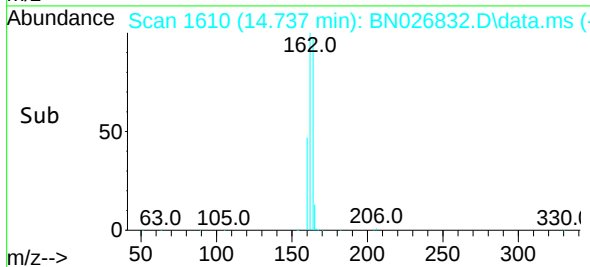
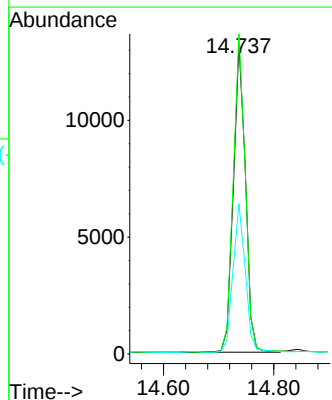
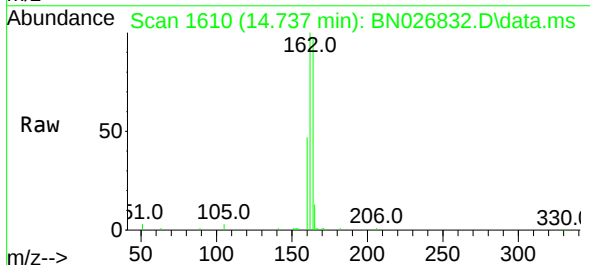
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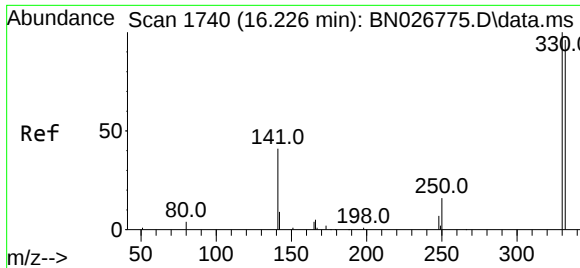
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1610
Delta R.T. -0.011 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

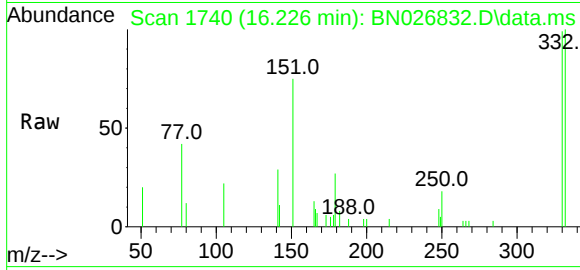
Tgt Ion:164 Resp: 20069
Ion Ratio Lower Upper
164 100
162 103.1 83.0 124.6
160 48.4 40.8 61.2





#14
2,4,6-Tribromophenol
Concen: 0.441 ng
RT: 16.226 min Scan# 1740
Delta R.T. -0.000 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

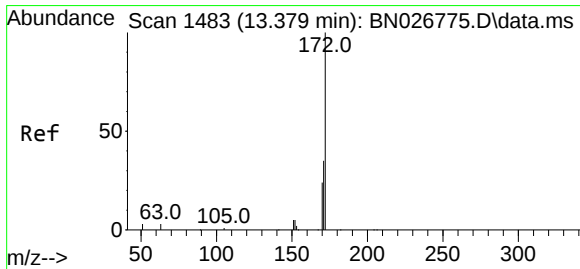
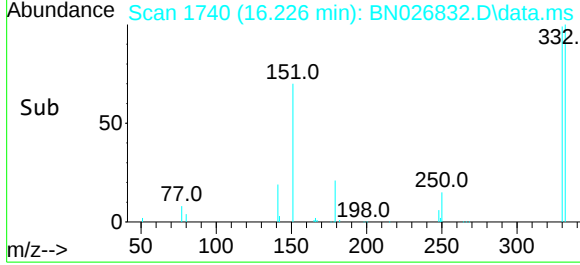
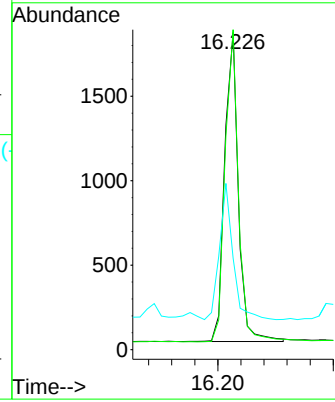
Instrument :
BNA_N
ClientSampleId :
EQUIPMENT-BLANK-1



Tgt Ion:330 Resp: 3010
Ion Ratio Lower Upper
330 100
332 99.0 77.8 116.6
141 43.1 34.8 52.2

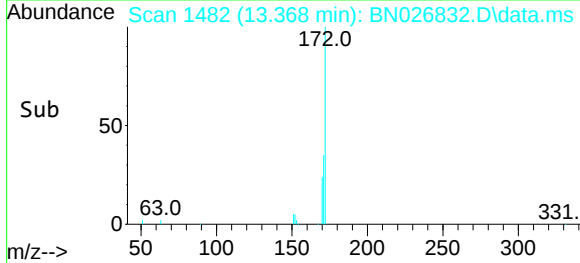
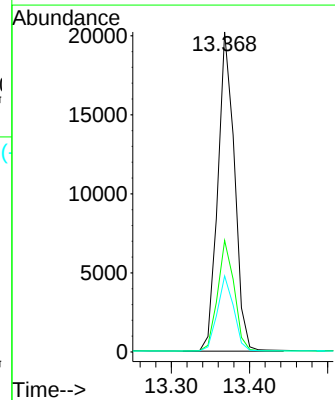
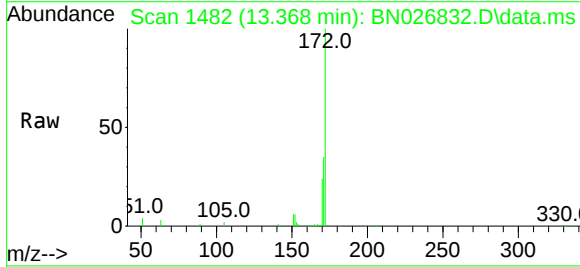
Manual Integrations
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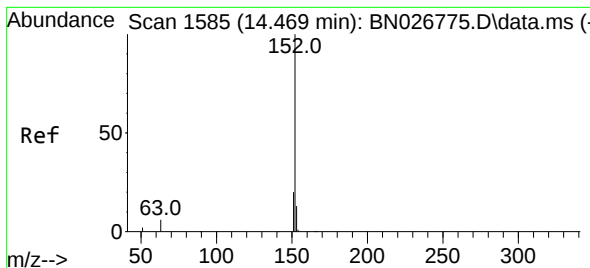
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 13.368 min Scan# 1482
Delta R.T. -0.011 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

Tgt Ion:172 Resp: 29791
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 23.8 19.2 28.8





#16

Acenaphthylene

Concen: 0.046 ng

RT: 14.469 min Scan# 1585

Delta R.T. -0.000 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

Instrument :

BNA_N

ClientSampleId :

EQUIPMENT-BLANK-1

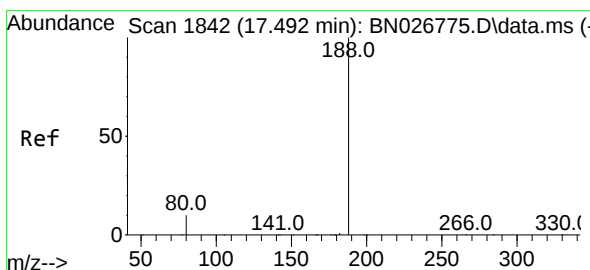
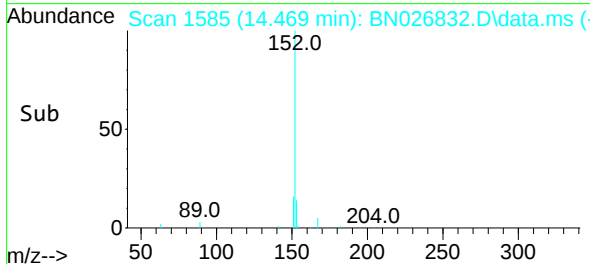
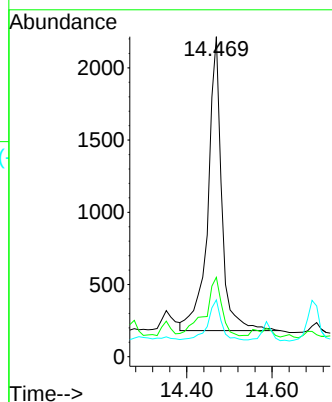
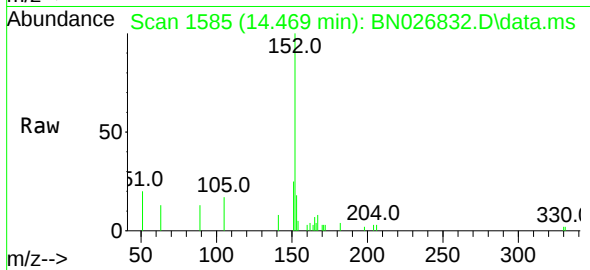
Tgt Ion:	152	Resp:	456
Ion Ratio	Lower	Upper	
152	100		
151	23.6	15.7	23.5
153	13.1	10.5	15.7

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#19

Phenanthrene-d10

Concen: 0.400 ng

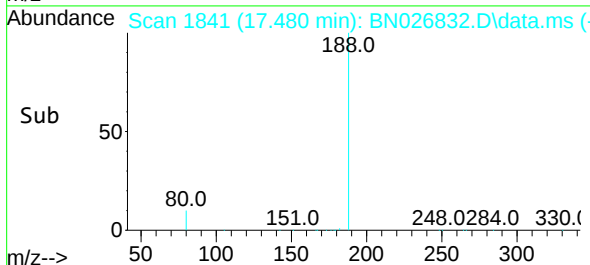
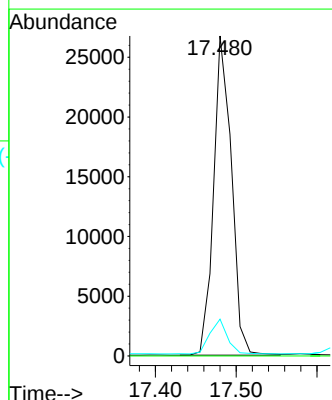
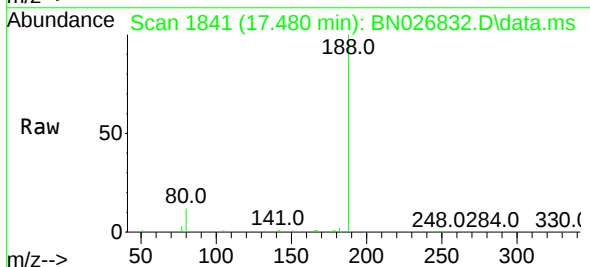
RT: 17.480 min Scan# 1841

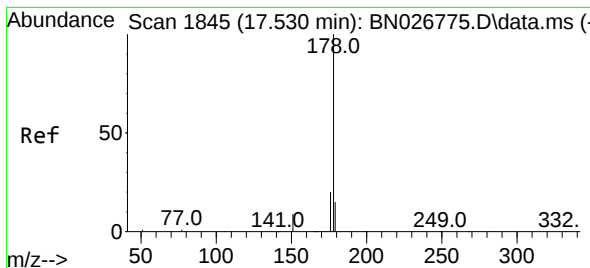
Delta R.T. -0.012 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

Tgt Ion:	188	Resp:	41148
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.5	8.0	12.0





#25

Phenanthrene

Concen: 0.145 ng

RT: 17.530 min Scan# 1845

Delta R.T. -0.000 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

Instrument :

BNA_N

ClientSampleId :

EQUIPMENT-BLANK-1

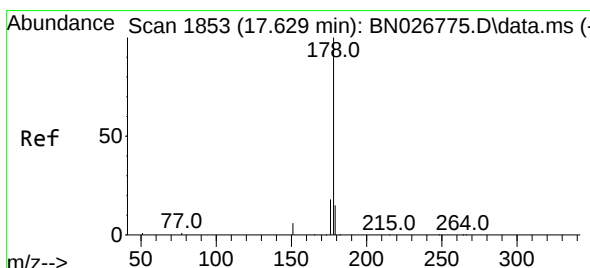
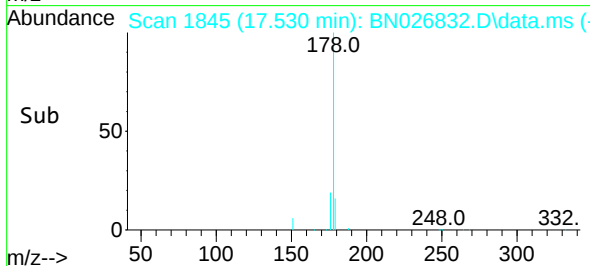
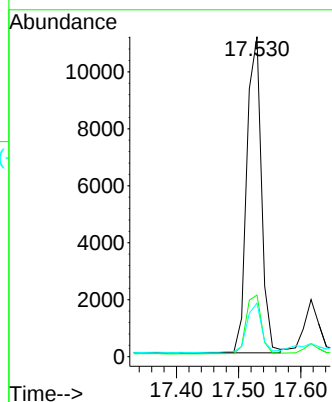
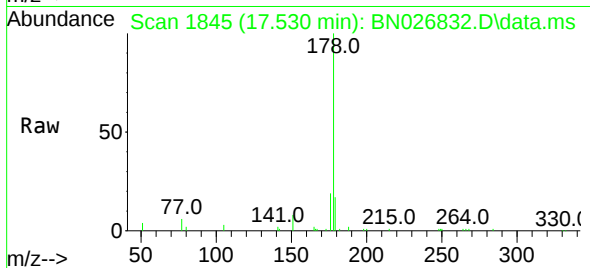
Tgt Ion:178	Resp:	1814
Ion Ratio	Lower	Upper
178	100	
176	19.7	15.4 23.0
179	16.5	12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#26

Anthracene

Concen: 0.030 ng

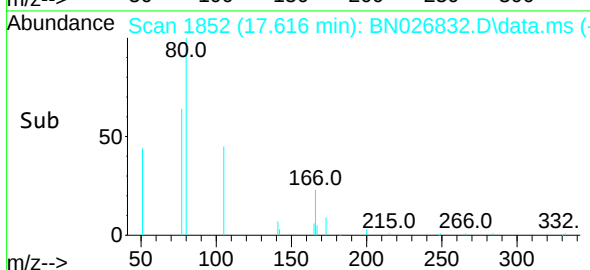
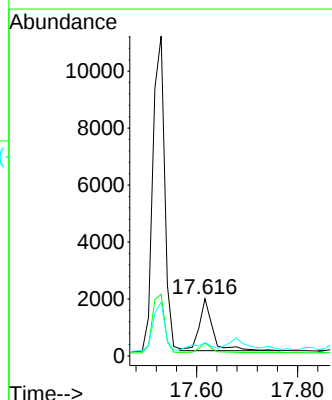
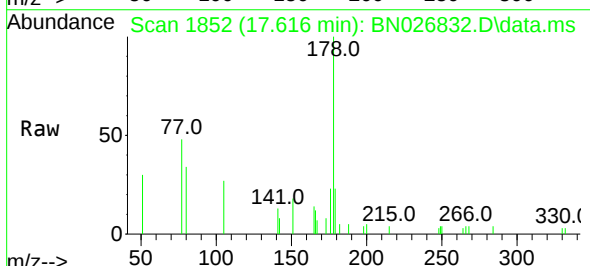
RT: 17.616 min Scan# 1852

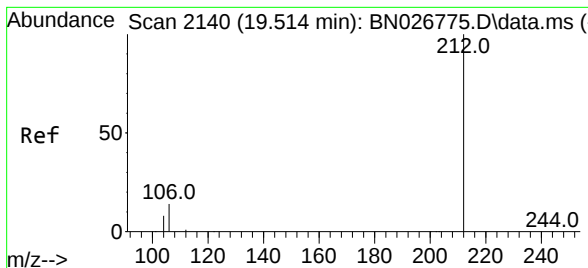
Delta R.T. -0.012 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

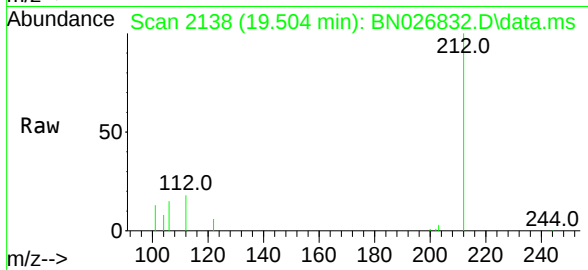
Tgt Ion:178	Resp:	3367
Ion Ratio	Lower	Upper
178	100	
176	17.1	14.9 22.3
179	18.2	12.2 18.2





#27
Fluoranthene-d10
Concen: 0.370 ng
RT: 19.504 min Scan# 2118
Delta R.T. -0.009 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

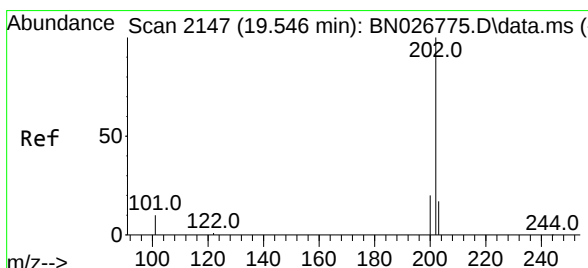
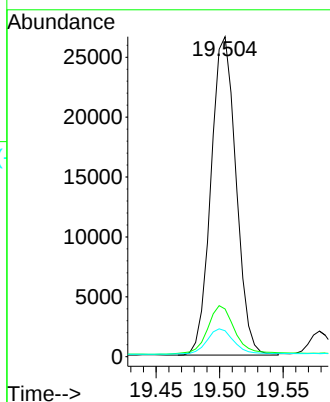
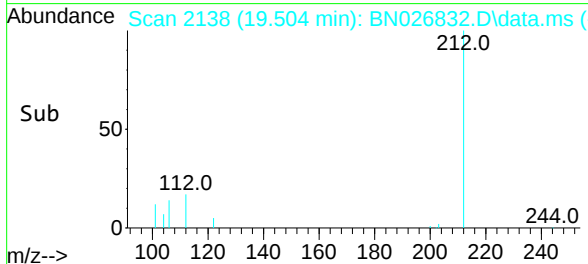
Instrument :
BNA_N
ClientSampleId :
EQUIPMENT-BLANK-1



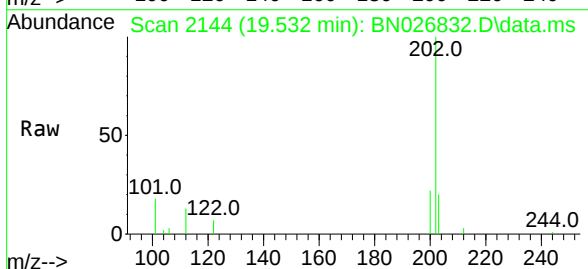
Tgt Ion:212 Resp: 36511
Ion Ratio Lower Upper
212 100
106 17.0 11.7 17.5
104 9.0 6.4 9.6

Manual Integrations
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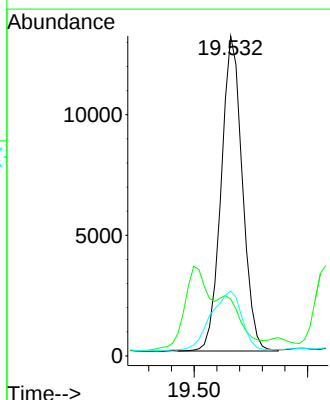
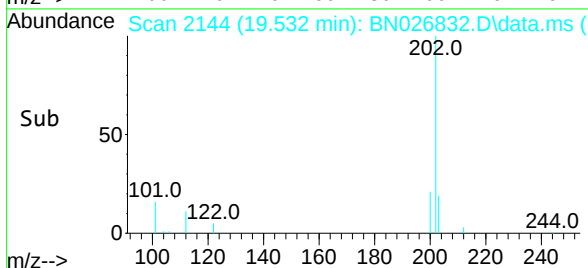
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

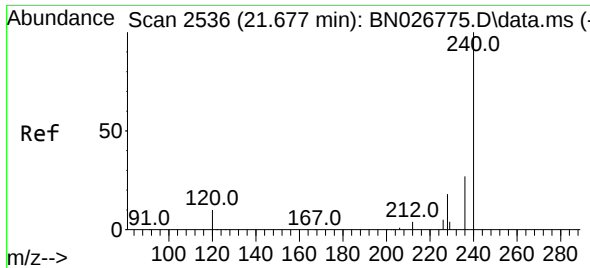


#28
Fluoranthene
Concen: 0.121 ng
RT: 19.532 min Scan# 2144
Delta R.T. -0.014 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52



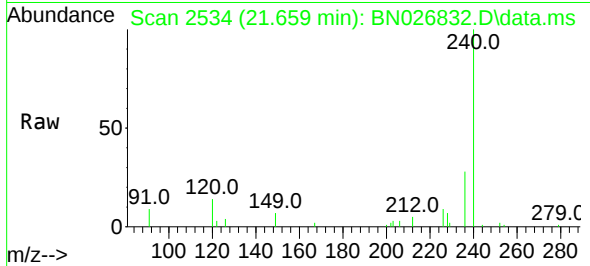
Tgt Ion:202 Resp: 16872
Ion Ratio Lower Upper
202 100
101 0.0 9.2 13.8#
203 28.1 13.7 20.5#





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.659 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

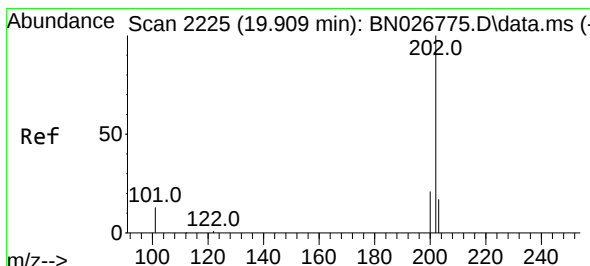
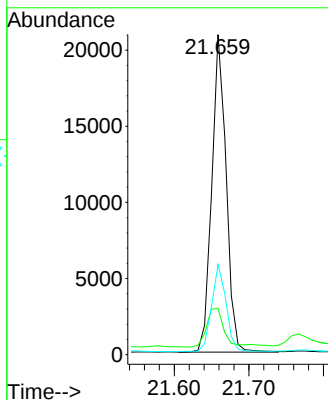
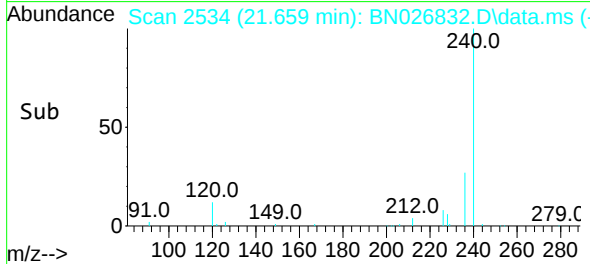
Instrument :
BNA_N
ClientSampleId :
EQUIPMENT-BLANK-1



Tgt Ion:240 Resp: 27830
Ion Ratio Lower Upper
240 100
120 14.5 9.2 13.8
236 28.2 21.9 32.9

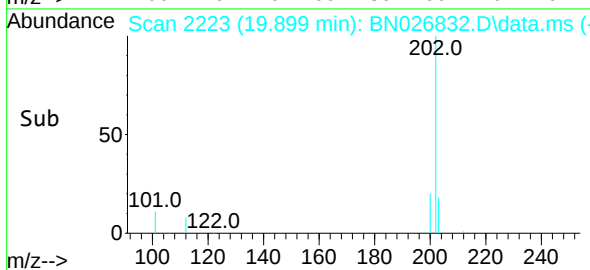
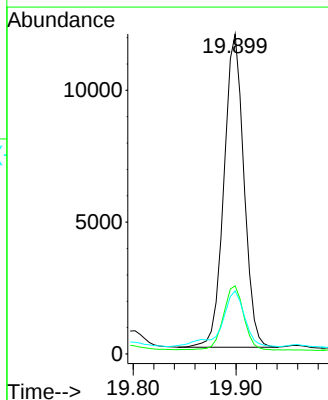
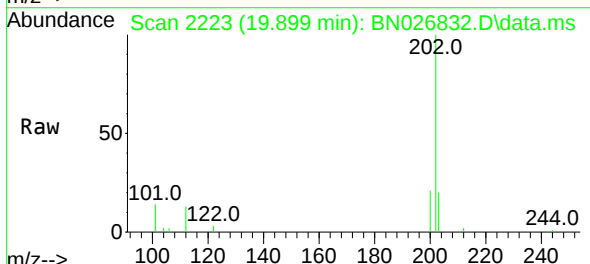
Manual Integrations
APPROVED

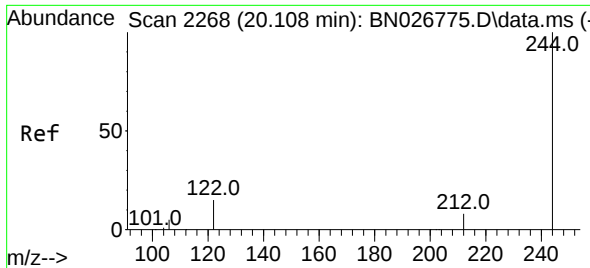
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#30
Pyrene
Concen: 0.133 ng
RT: 19.899 min Scan# 2223
Delta R.T. -0.009 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

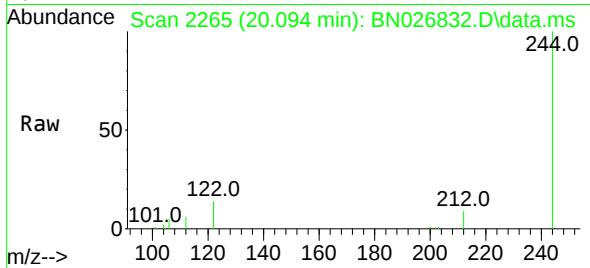
Tgt Ion:202 Resp: 15993
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 20.7 14.2 21.2





#31
 Terphenyl-d14
 Concen: 0.582 ng
 RT: 20.094 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BN026832.D
 Acq: 07 Aug 2023 15:52

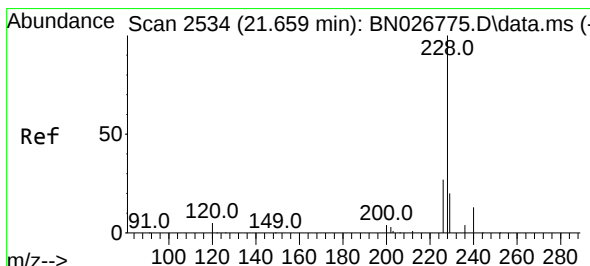
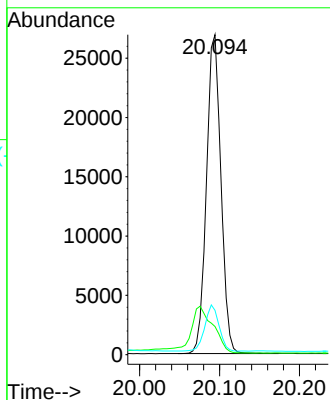
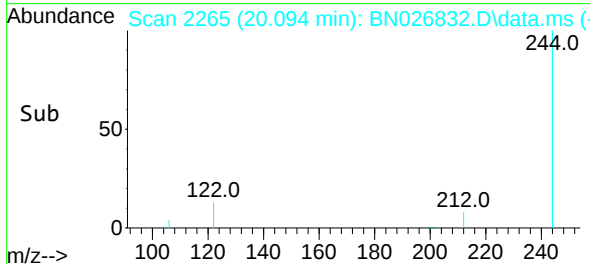
Instrument :
 BNA_N
 ClientSampleId :
 EQUIPMENT-BLANK-1



Tgt Ion:244 Resp: 33740
 Ion Ratio Lower Upper
 244 100
 212 8.8 7.0 10.4
 122 13.8 12.3 18.5

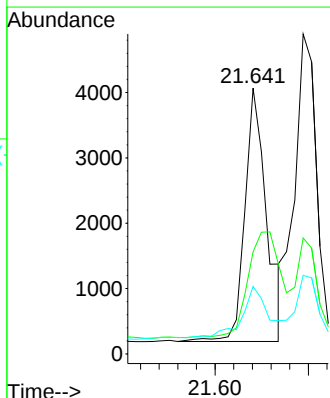
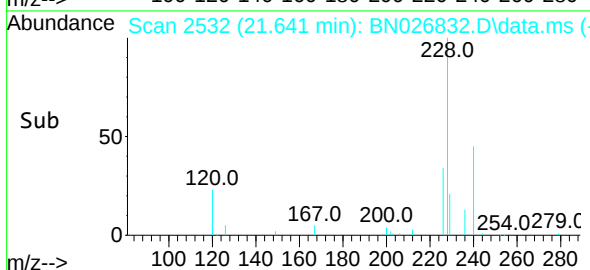
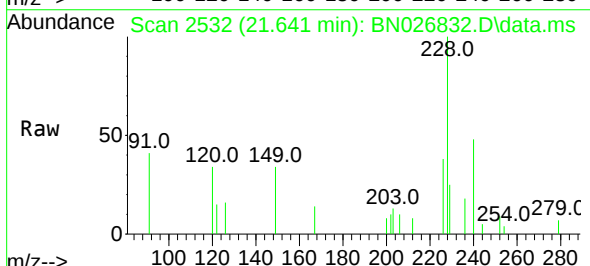
Manual Integrations
 APPROVED

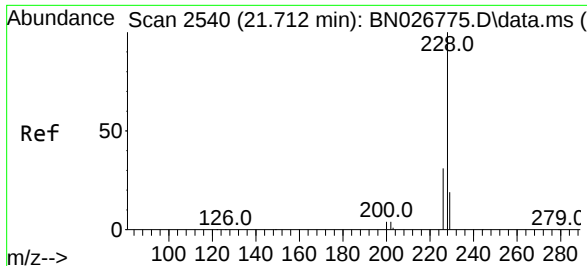
Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023



#32
 Benzo(a)anthracene
 Concen: 0.066 ng
 RT: 21.641 min Scan# 2532
 Delta R.T. -0.018 min
 Lab File: BN026832.D
 Acq: 07 Aug 2023 15:52

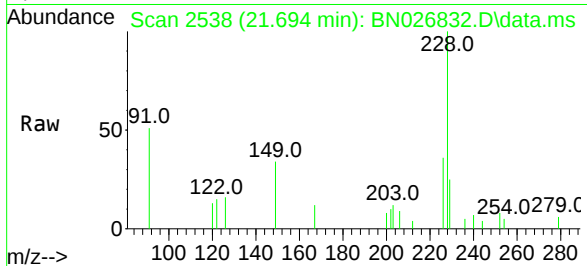
Tgt Ion:228 Resp: 6296
 Ion Ratio Lower Upper
 228 100
 226 38.4 21.9 32.9#
 229 25.4 15.8 23.8#





#33
Chrysene
Concen: 0.071 ng
RT: 21.694 min Scan# 21694
Delta R.T. -0.018 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

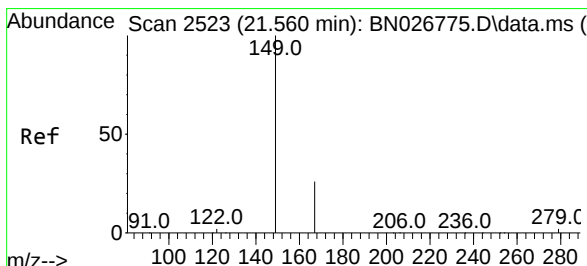
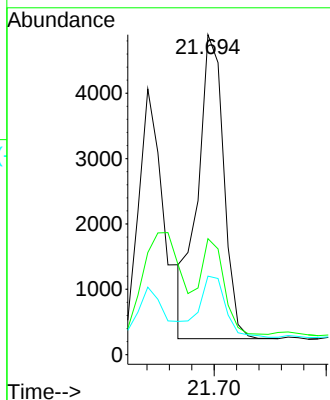
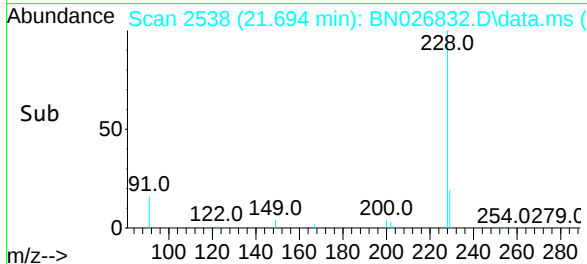
Instrument :
BNA_N
ClientSampleId :
EQUIPMENT-BLANK-1



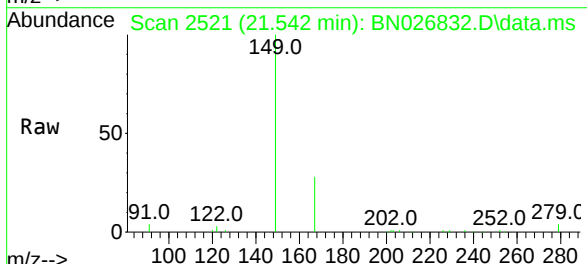
Tgt Ion:228 Resp: 7510
Ion Ratio Lower Upper
228 100
226 36.2 24.6 36.8
229 24.6 15.4 23.2

Manual Integrations
APPROVED

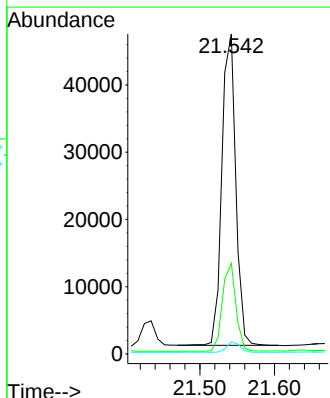
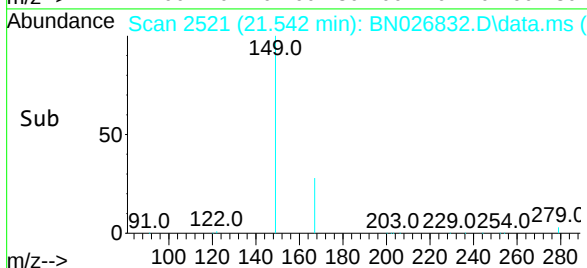
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

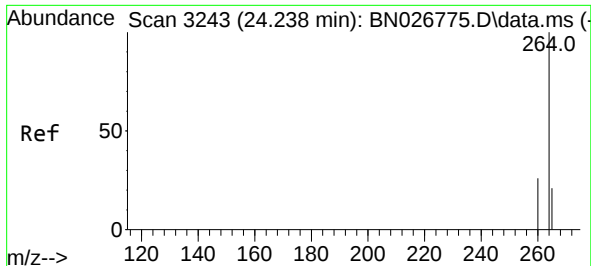


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.897 ng
RT: 21.542 min Scan# 2521
Delta R.T. -0.018 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52



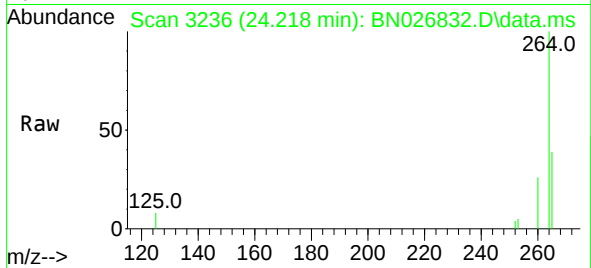
Tgt Ion:149 Resp: 60070
Ion Ratio Lower Upper
149 100
167 27.6 20.8 31.2
279 3.2 2.4 3.6





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.218 min Scan# 31
 Delta R.T. -0.021 min
 Lab File: BN026832.D
 Acq: 07 Aug 2023 15:52

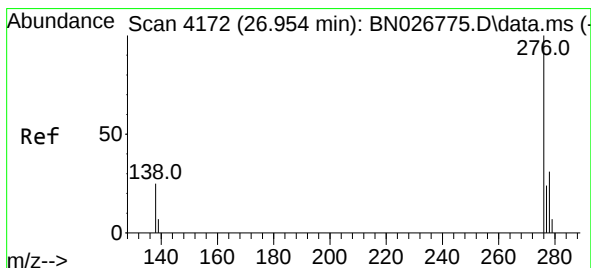
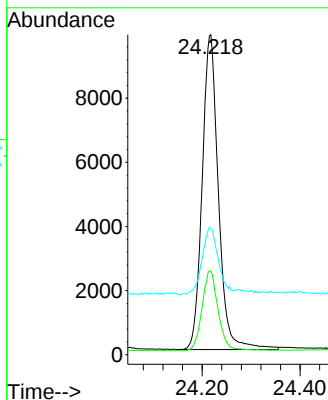
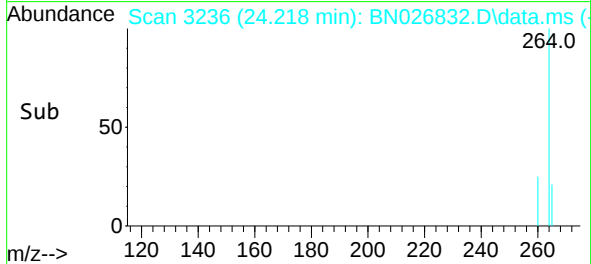
Instrument :
 BNA_N
 ClientSampleId :
 EQUIPMENT-BLANK-1



Tgt Ion:264 Resp: 2260
 Ion Ratio Lower Upper
 264 100
 260 26.1 21.0 31.6
 265 39.5 22.6 33.8

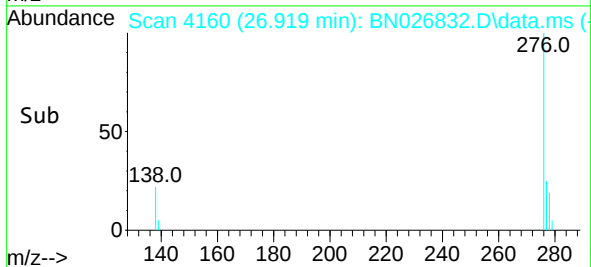
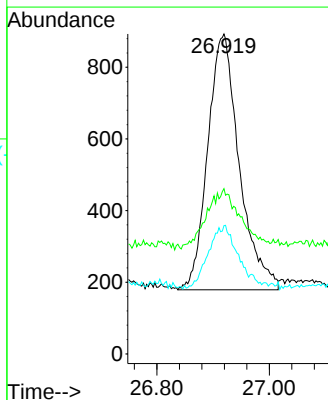
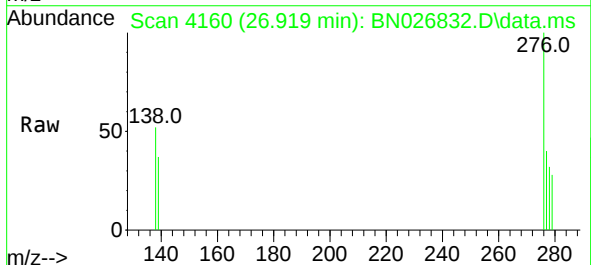
Manual Integrations
 APPROVED

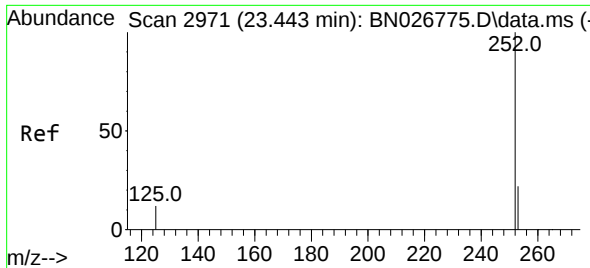
Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.030 ng
 RT: 26.919 min Scan# 4160
 Delta R.T. -0.035 min
 Lab File: BN026832.D
 Acq: 07 Aug 2023 15:52

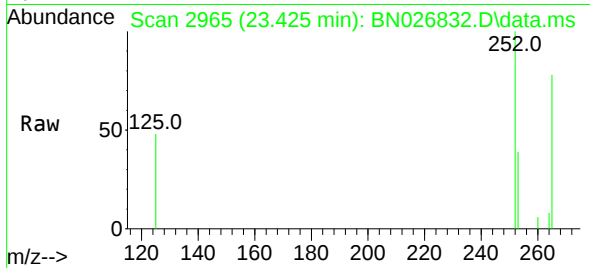
Tgt Ion:276 Resp: 2782
 Ion Ratio Lower Upper
 276 100
 138 0.0 22.8 34.2#
 277 21.3 19.9 29.9





#37
Benzo(b)fluoranthene
Concen: 0.065 ng
RT: 23.425 min Scan# 2965
Delta R.T. -0.018 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

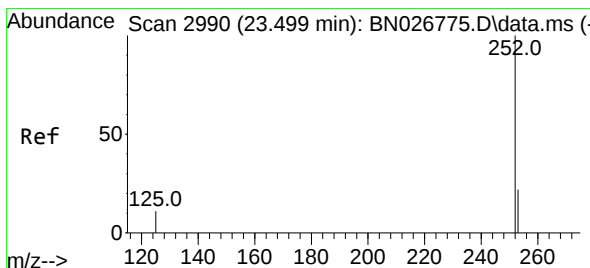
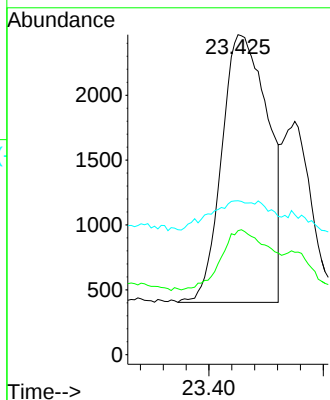
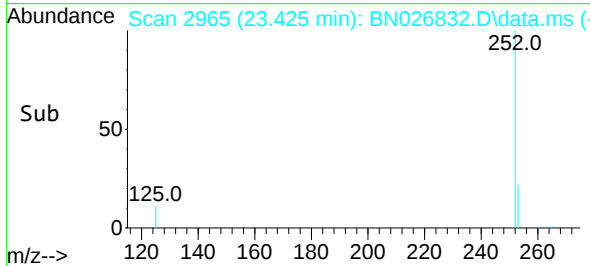
Instrument :
BNA_N
ClientSampleId :
EQUIPMENT-BLANK-1



Tgt Ion:252 Resp: 5769
Ion Ratio Lower Upper
252 100
253 38.8 17.8 26.8#
125 48.1 10.8 16.2#

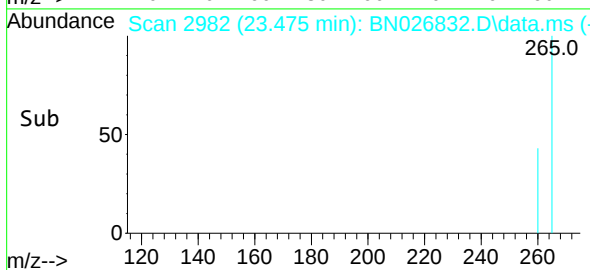
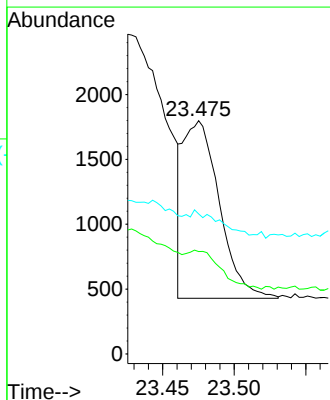
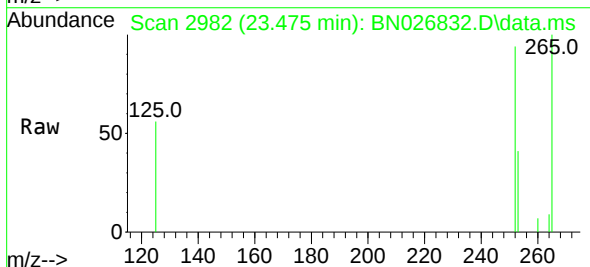
Manual Integrations
APPROVED

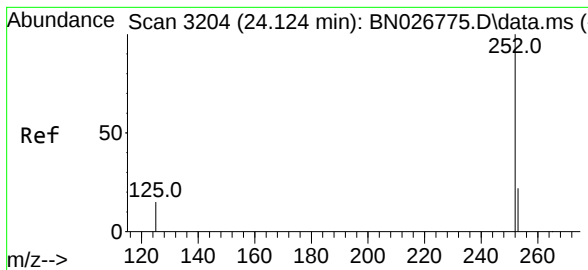
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#38
Benzo(k)fluoranthene
Concen: 0.026 ng m
RT: 23.475 min Scan# 2982
Delta R.T. -0.023 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

Tgt Ion:252 Resp: 2418
Ion Ratio Lower Upper
252 100
253 43.9 18.0 27.0#
125 60.0 9.4 14.2#





#39

Benzo(a)pyrene

Concen: 0.030 ng

RT: 24.098 min Scan# 3195

Delta R.T. -0.026 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

Instrument :

BN026832.D

ClientSampleId :

EQUIPMENT-BLANK-1

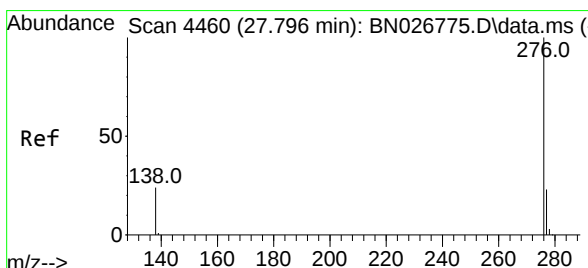
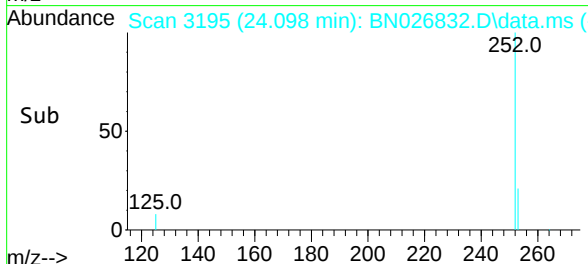
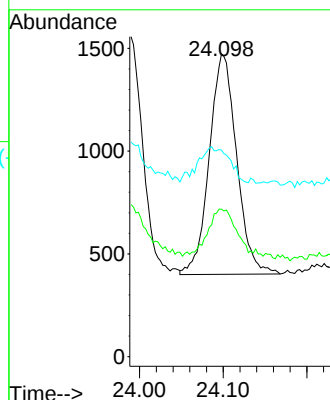
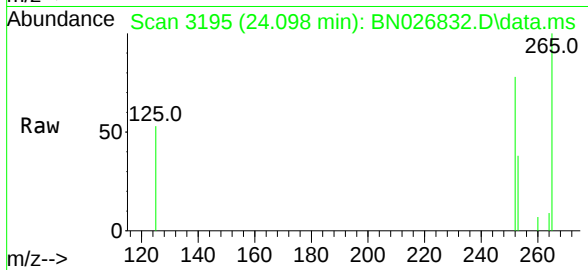
Tgt Ion:	252	Resp:	244
Ion Ratio	Lower	Upper	
252	100		
253	48.7	18.5	27.7
125	68.2	12.7	19.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#41

Benzo(g,h,i)perylene

Concen: 0.030 ng m

RT: 27.755 min Scan# 4446

Delta R.T. -0.041 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

Tgt Ion:	276	Resp:	2559
Ion Ratio	Lower	Upper	
276	100		
277	44.1	19.1	28.7
138	56.9	19.8	29.6

