

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081824\
 Data File : BN033472.D
 Acq On : 17 Aug 2024 17:33
 Operator : MA/JU
 Sample : P3580-01
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 926-K1-SD-0-0.5-081224

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/19/2024
 Supervised By :mohammad ahmed 08/21/2024

Quant Time: Aug 17 23:31:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 04:44:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.559	152	9488	0.400	ng	-0.01
7) Naphthalene-d8	10.325	136	25000	0.400	ng	#-0.01
13) Acenaphthene-d10	14.189	164	11514	0.400	ng	-0.01
19) Phenanthrene-d10	16.942	188	21790	0.400	ng	-0.01
29) Chrysene-d12	21.148	240	18527	0.400	ng	0.00
35) Perylene-d12	23.317	264	19734	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.191	112	4661	0.178	ng	0.00
5) Phenol-d6	6.743	99	5262	0.149	ng	0.00
8) Nitrobenzene-d5	8.691	82	3557	0.189	ng	-0.01
11) 2-Methylnaphthalene-d10	11.918	152	5506	0.143	ng	-0.01
14) 2,4,6-Tribromophenol	15.688	330	752	0.127	ng	-0.01
15) 2-Fluorobiphenyl	12.810	172	7581	0.161	ng	-0.01
27) Fluoranthene-d10	18.984	212	7909	0.136	ng	0.00
31) Terphenyl-d14	19.597	244	5622	0.161	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.368	128	9190	0.133	ng	98
12) 2-Methylnaphthalene	11.994	142	4036	0.087	ng	98
16) Acenaphthylene	13.911	152	2163	0.040	ng	# 91
17) Acenaphthene	14.253	154	21941	0.595	ng	98
18) Fluorene	15.247	166	26671	0.549	ng	98
25) Phenanthrene	16.979	178	407797	6.479	ng	100
26) Anthracene	17.078	178	60332	1.083	ng	# 93
28) Fluoranthene	19.012	202	600952	7.755	ng	100
30) Pyrene	19.374	202	479680	6.503	ng	# 95
32) Benzo(a)anthracene	21.130	228	214327	3.097	ng	99
33) Chrysene	21.184	228	212818	3.055	ng	97
34) Bis(2-ethylhexyl)phtha...	21.095	149	3869	0.123	ng	# 90
36) Indeno(1,2,3-cd)pyrene	25.472	276	138523	1.699	ng	94
37) Benzo(b)fluoranthene	22.677	252	290057	3.906	ng	99
38) Benzo(k)fluoranthene	22.715	252	108654m	1.433	ng	
39) Benzo(a)pyrene	23.227	252	191800	3.066	ng	97
40) Dibenzo(a,h)anthracene	25.490	278	30441	0.473	ng	95
41) Benzo(g,h,i)perylene	26.130	276	139816	1.958	ng	99

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

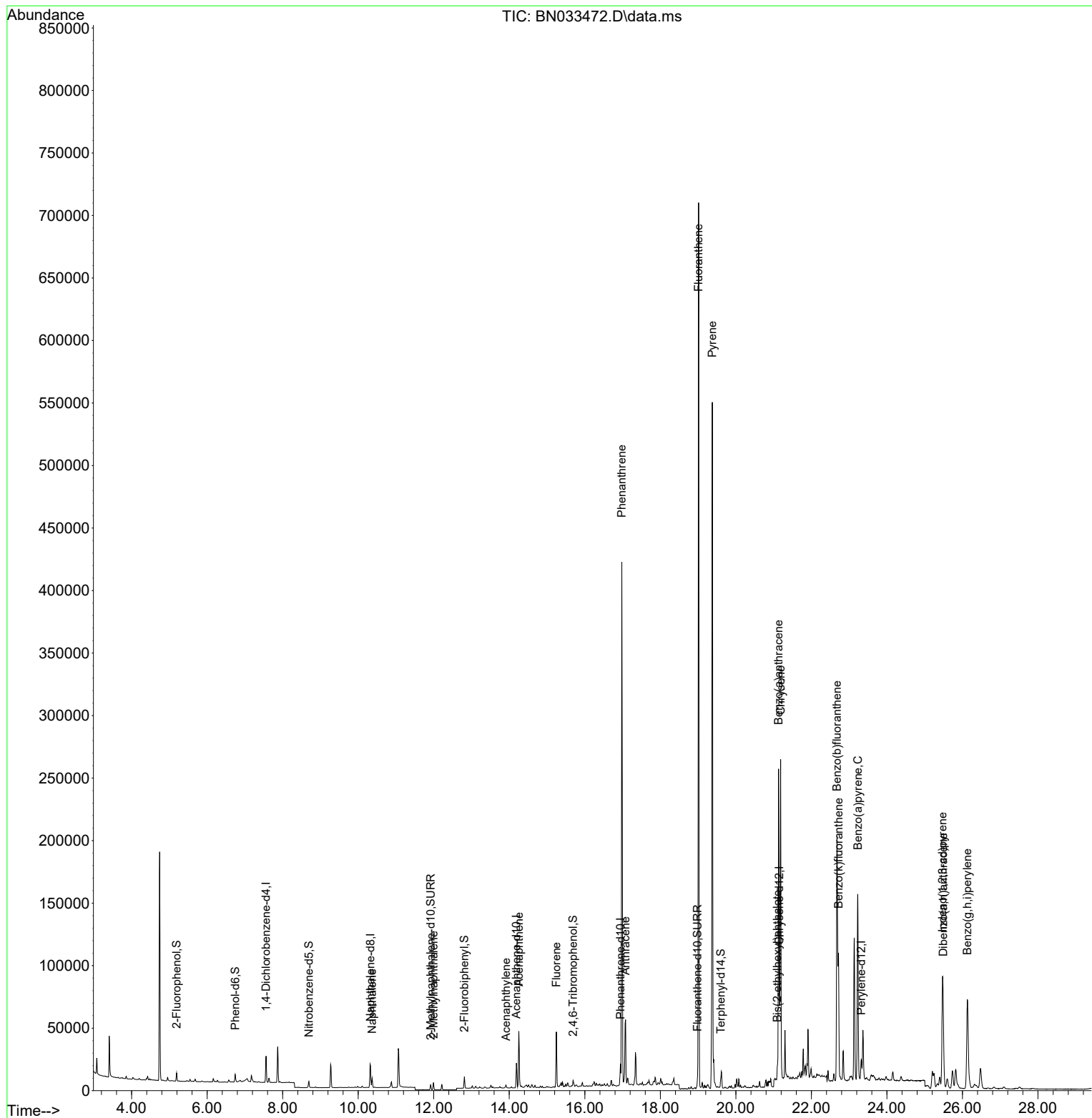
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081824\
Data File : BN033472.D
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926-K1-SD-0-0.5-081224

Quant Time: Aug 17 23:31:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 04:44:11 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

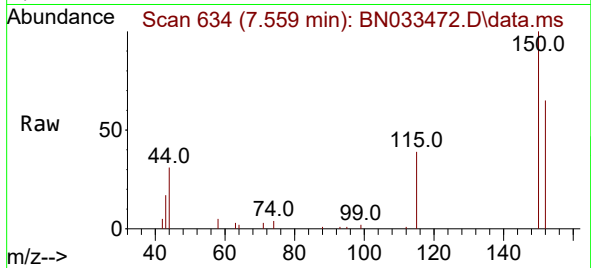
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.559 min Scan# 61
Delta R.T. -0.015 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

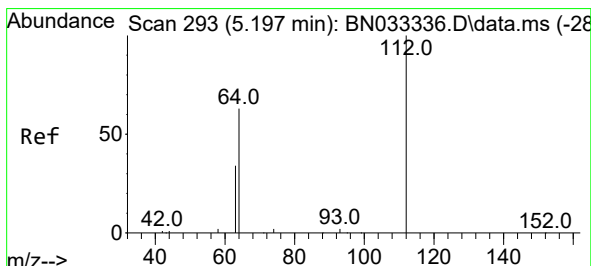
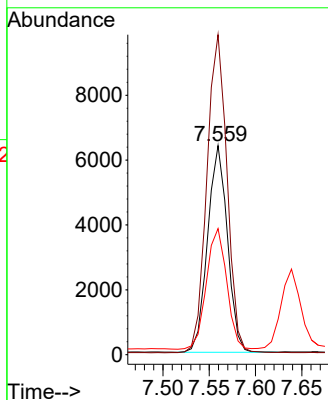
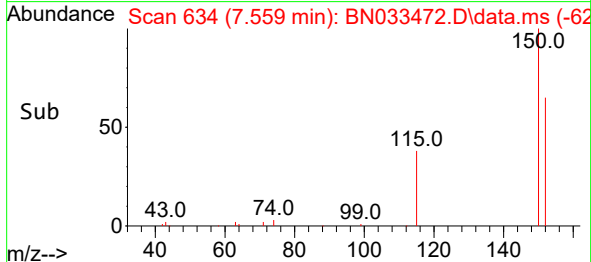
Instrument :
BNA_N
ClientSampleId :
926-K1-SD-0-0.5-081224



Tgt Ion:152 Resp: 948
Ion Ratio Lower Upper
152 100
150 153.0 122.3 183.5
115 60.3 48.8 73.2

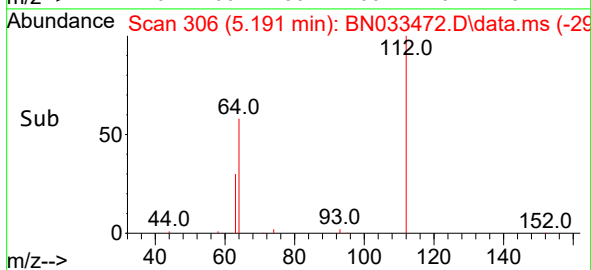
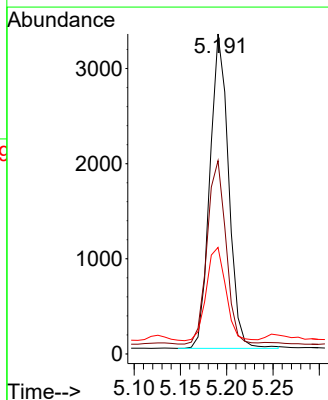
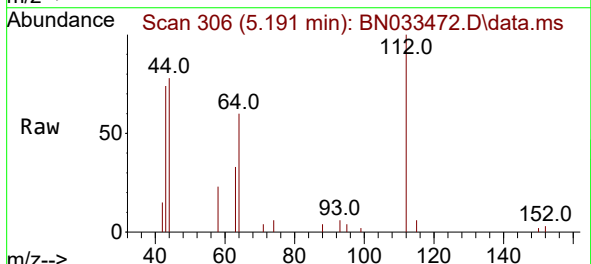
Manual Integrations
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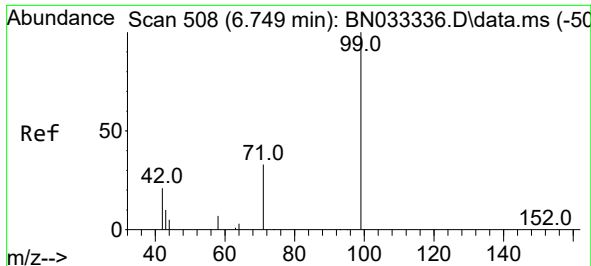
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#4
2-Fluorophenol
Concen: 0.178 ng
RT: 5.191 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

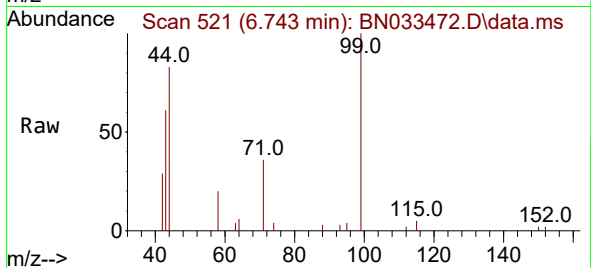
Tgt Ion:112 Resp: 4661
Ion Ratio Lower Upper
112 100
64 58.5 48.1 72.1
63 30.8 25.4 38.2





#5
Phenol-d6
Concen: 0.149 ng
RT: 6.743 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

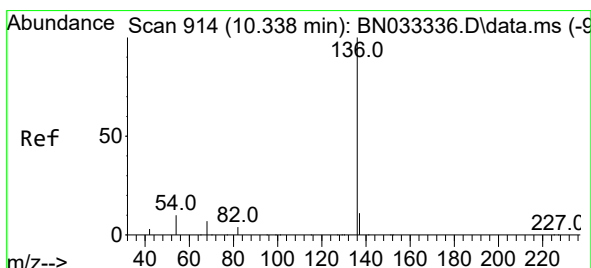
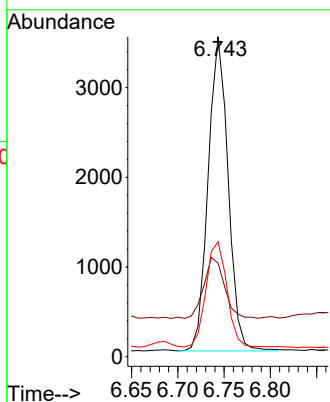
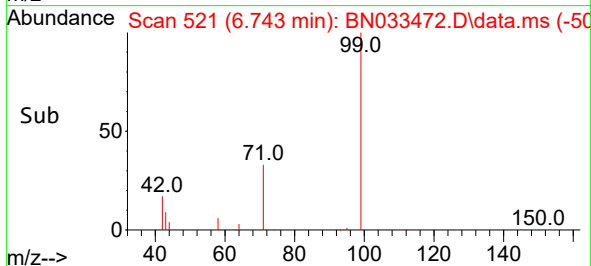
Instrument :
BNA_N
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926-K1-SD-0-0.5-081224



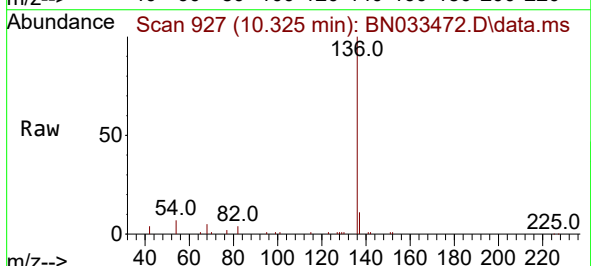
Tgt Ion: 99 Resp: 526
Ion Ratio Lower Upper
99 100
42 20.0 18.5 27.7
71 34.8 26.2 39.2

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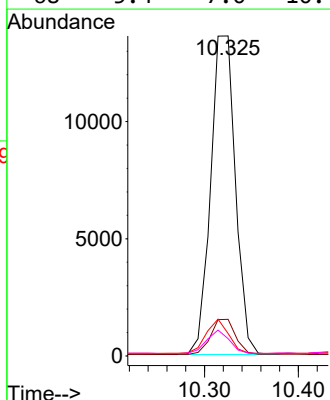
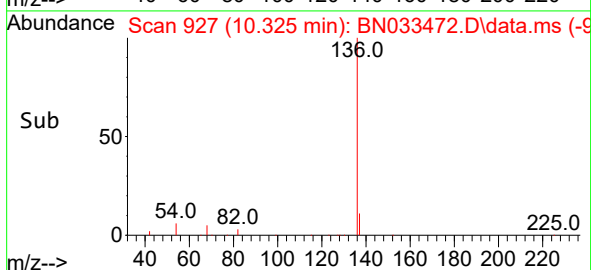
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024

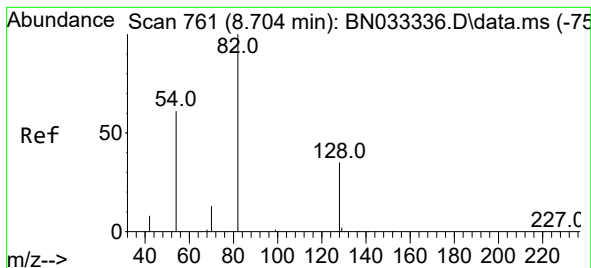


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.325 min Scan# 927
Delta R.T. -0.011 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33



Tgt Ion:136 Resp: 25000
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 7.0 9.4 14.0#
68 5.4 7.0 10.4#





#8

Nitrobenzene-d5

Concen: 0.189 ng

RT: 8.691 min Scan# 71

Delta R.T. -0.011 min

Lab File: BN033472.D

Acq: 17 Aug 2024 17:33

Instrument :

BNA_N

ClientSampleId :

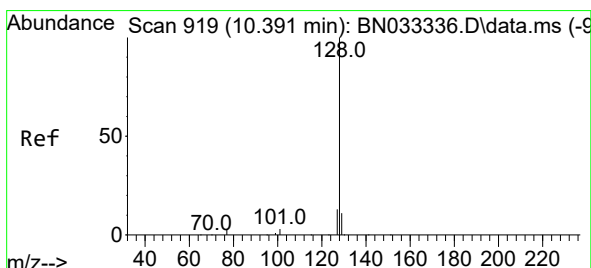
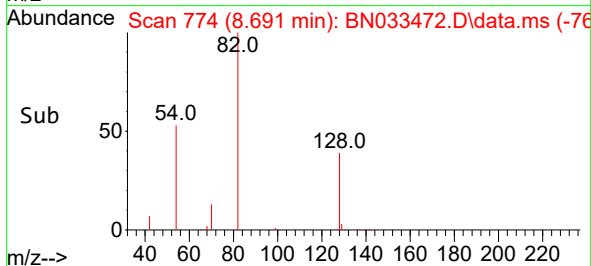
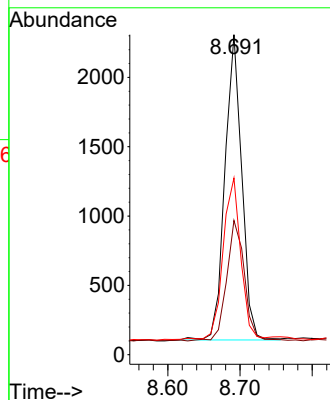
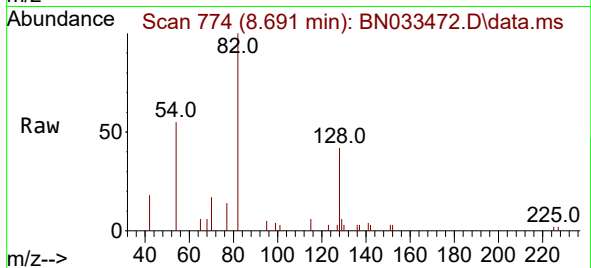
926-K1-SD-0-0.5-081224

Tgt Ion:	82	Resp:	355
Ion Ratio	Lower	Upper	
82	100		
128	41.9	29.0	43.4
54	55.2	50.2	75.4

Manual Integrations

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Supervised By :mohammad ahmed 08/21/2024



#9

Naphthalene

Concen: 0.133 ng

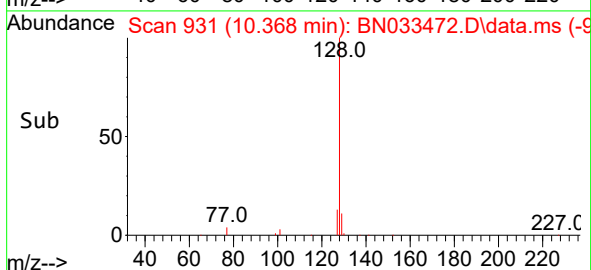
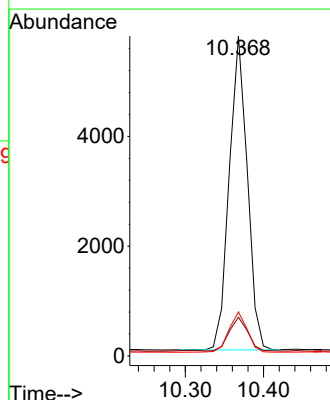
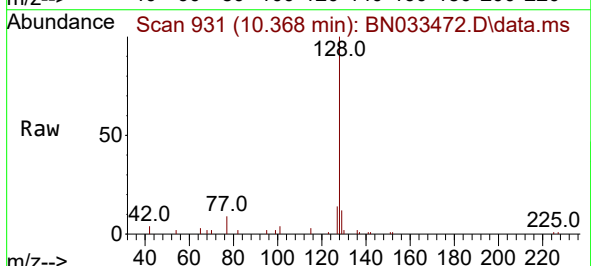
RT: 10.368 min Scan# 931

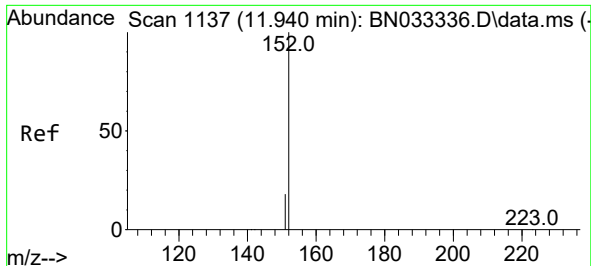
Delta R.T. -0.011 min

Lab File: BN033472.D

Acq: 17 Aug 2024 17:33

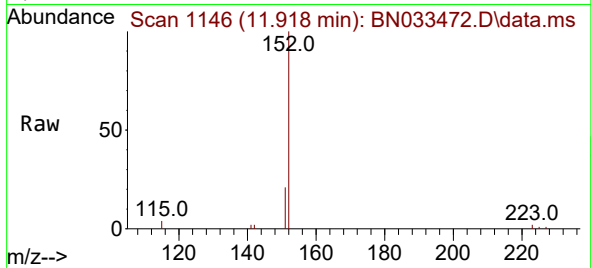
Tgt Ion:	128	Resp:	9190
Ion Ratio	Lower	Upper	
128	100		
129	12.1	9.2	13.8
127	13.8	10.6	15.8





#11
2-Methylnaphthalene-d10
Concen: 0.143 ng
RT: 11.918 min Scan# 1166
Delta R.T. -0.011 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

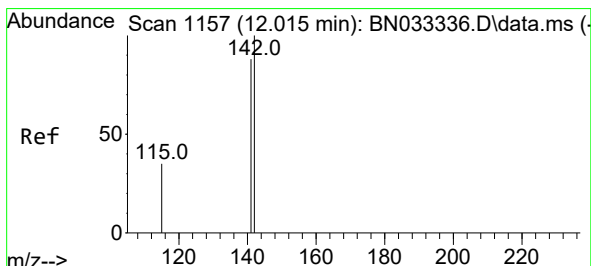
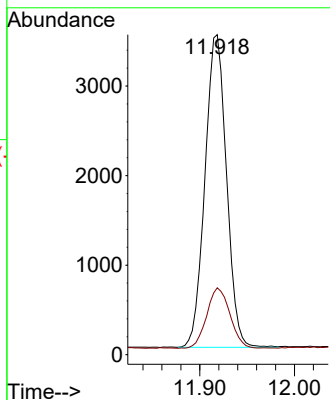
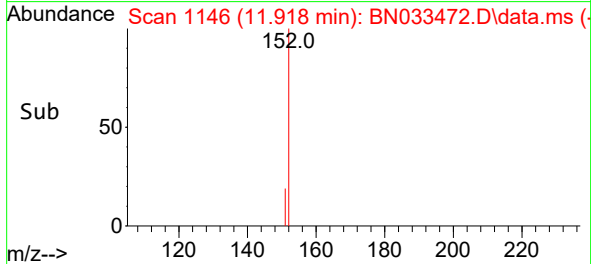
Instrument :
BNA_N
ClientSampleId :
926-K1-SD-0-0.5-081224



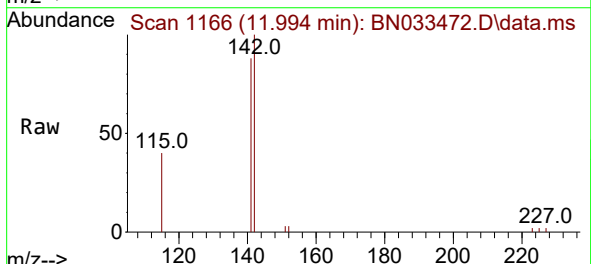
Tgt Ion:152 Resp: 5500
Ion Ratio Lower Upper
152 100
151 20.9 16.7 25.1

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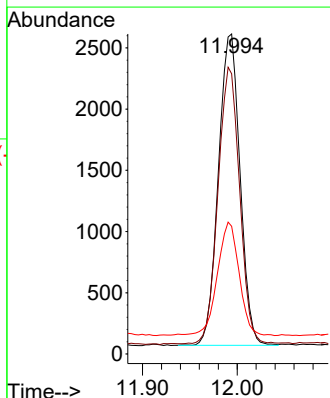
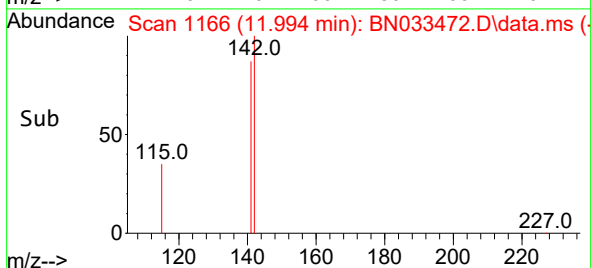
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024

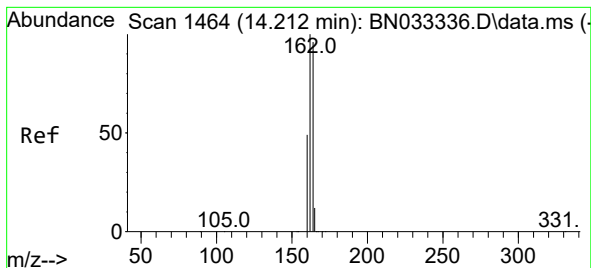


#12
2-Methylnaphthalene
Concen: 0.087 ng
RT: 11.994 min Scan# 1166
Delta R.T. -0.011 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33



Tgt Ion:142 Resp: 4036
Ion Ratio Lower Upper
142 100
141 87.6 70.2 105.4
115 39.9 29.3 43.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.189 min Scan# 14

Delta R.T. -0.011 min

Lab File: BN033472.D

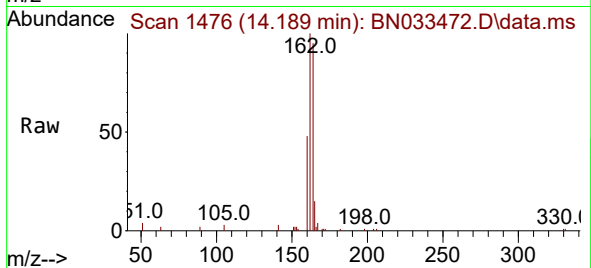
Acq: 17 Aug 2024 17:33

Instrument :

BNA_N

ClientSampleId :

926-K1-SD-0-0.5-081224



Tgt Ion:164 Resp: 11514

Ion Ratio Lower Upper

164 100

162 105.3 83.1 124.7

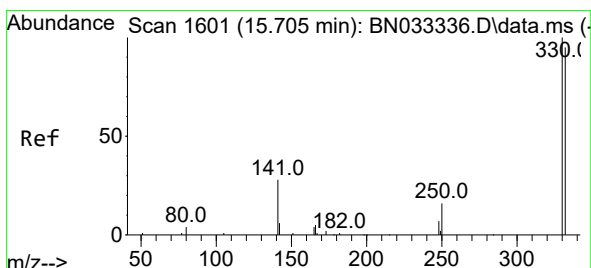
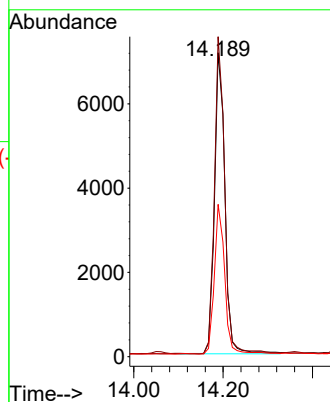
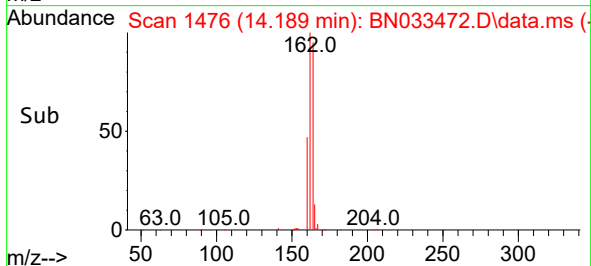
160 50.1 41.1 61.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/19/2024

Supervised By :mohammad ahmed 08/21/2024



#14

2,4,6-Tribromophenol

Concen: 0.127 ng

RT: 15.688 min Scan# 1614

Delta R.T. -0.012 min

Lab File: BN033472.D

Acq: 17 Aug 2024 17:33

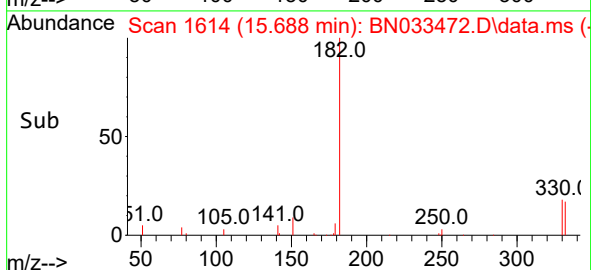
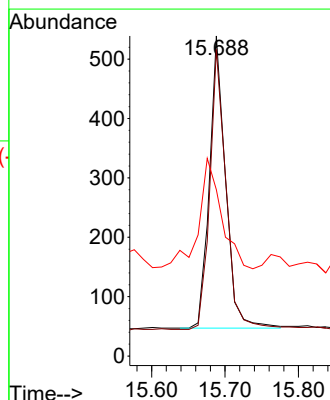
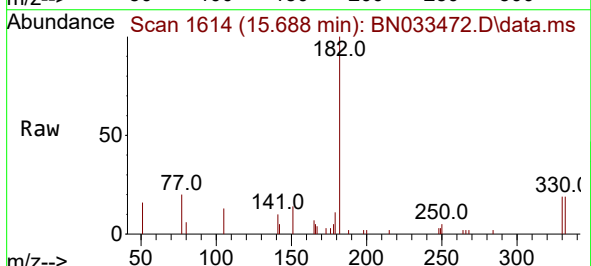
Tgt Ion:330 Resp: 752

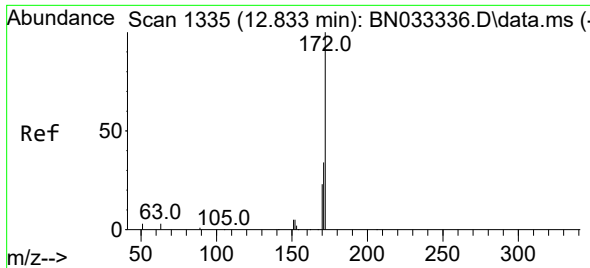
Ion Ratio Lower Upper

330 100

332 96.3 77.1 115.7

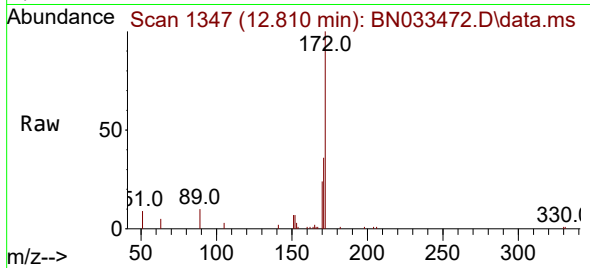
141 53.2 33.4 50.0#





#15
2-Fluorobiphenyl
Concen: 0.161 ng
RT: 12.810 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

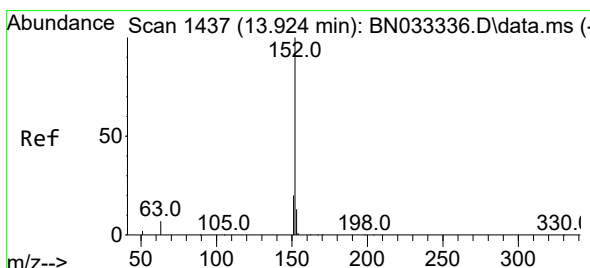
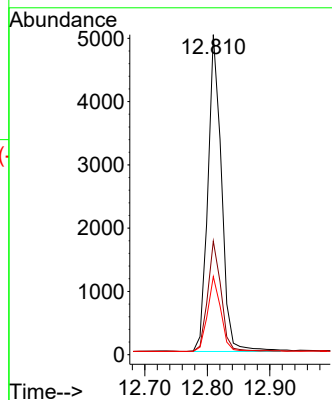
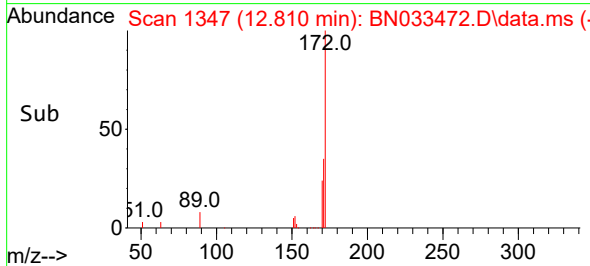
Instrument :
BNA_N
ClientSampleId :
926-K1-SD-0-0.5-081224



Tgt Ion:172 Resp: 758
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.8
170 24.4 18.7 28.1

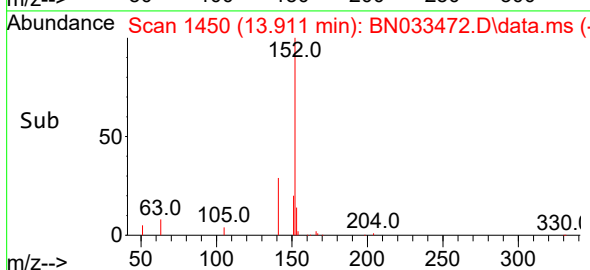
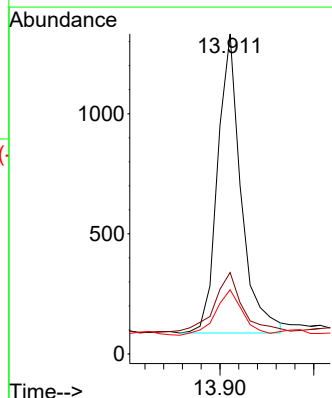
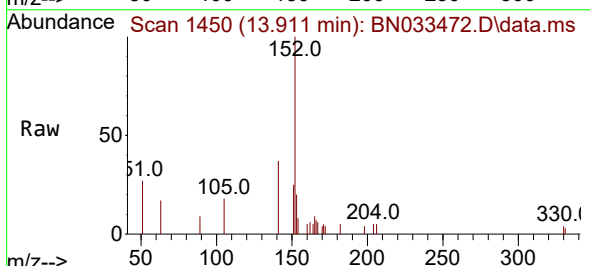
Manual Integrations
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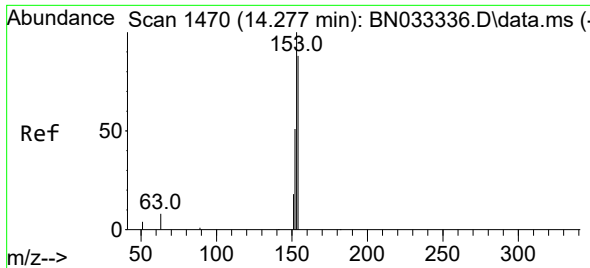
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#16
Acenaphthylene
Concen: 0.040 ng
RT: 13.911 min Scan# 1450
Delta R.T. -0.011 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

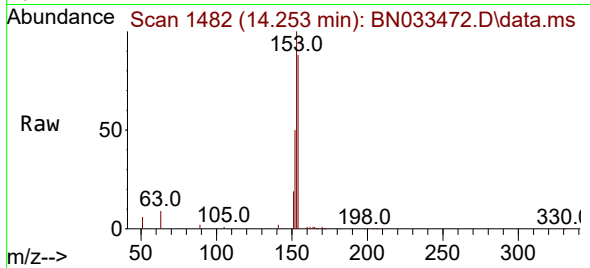
Tgt Ion:152 Resp: 2163
Ion Ratio Lower Upper
152 100
151 22.9 15.7 23.5
153 17.6 10.4 15.6#





#17
Acenaphthene
Concen: 0.595 ng
RT: 14.253 min Scan# 1482
Delta R.T. -0.011 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

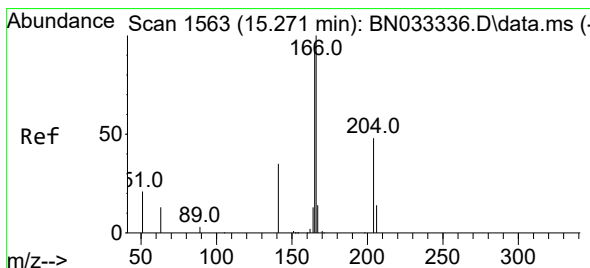
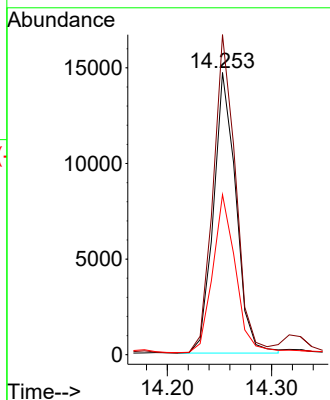
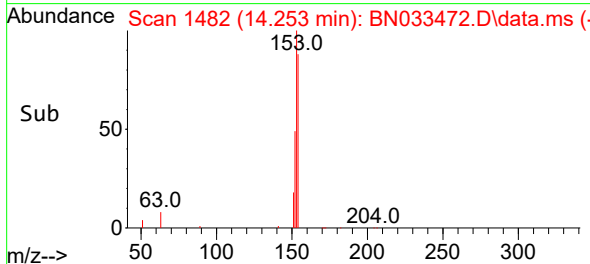
Instrument :
BNA_N
ClientSampleId :
926-K1-SD-0-0.5-081224



Tgt Ion:154 Resp: 2194
Ion Ratio Lower Upper
154 100
153 113.4 89.7 134.5
152 57.0 47.2 70.8

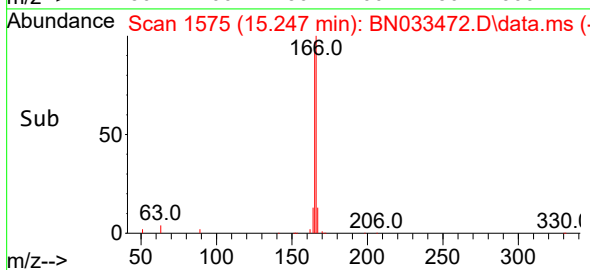
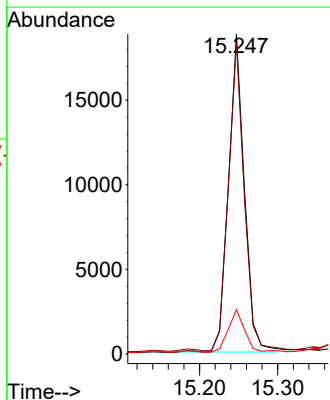
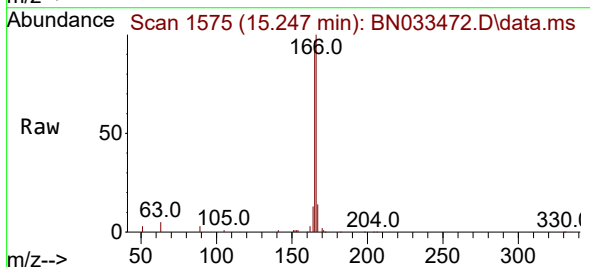
Manual Integrations
APPROVED

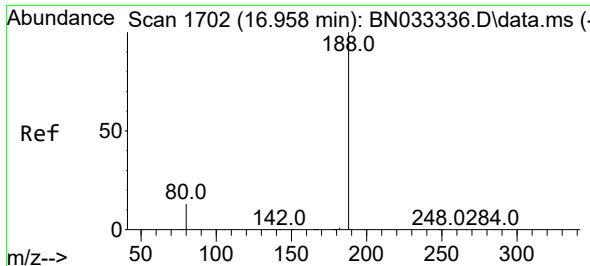
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#18
Fluorene
Concen: 0.549 ng
RT: 15.247 min Scan# 1575
Delta R.T. -0.011 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

Tgt Ion:166 Resp: 26671
Ion Ratio Lower Upper
166 100
165 96.0 78.0 117.0
167 14.1 10.7 16.1





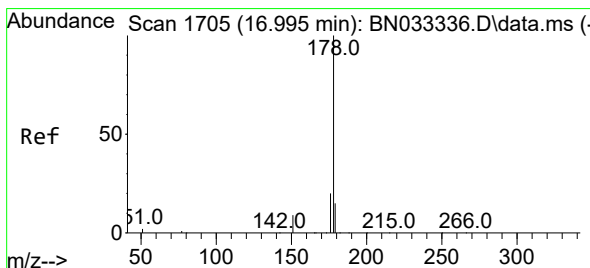
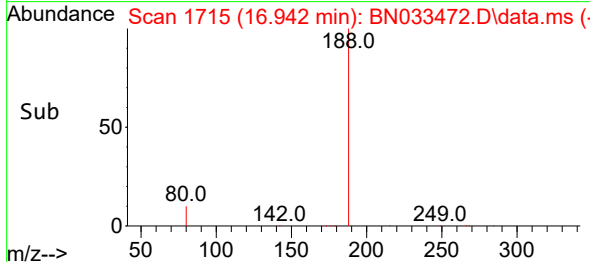
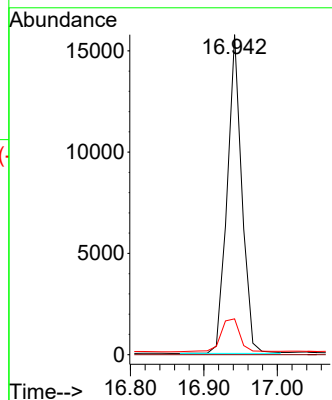
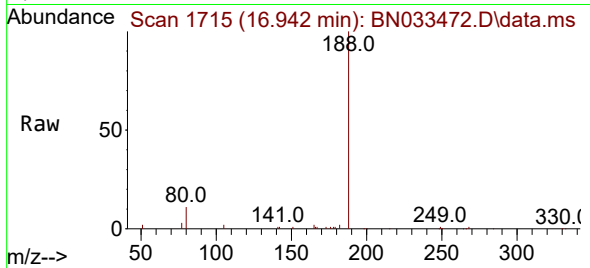
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.942 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

Instrument :
BNA_N
ClientSampleId :
926-K1-SD-0-0.5-081224

Tgt Ion:188 Resp: 21790
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.2 10.7 16.1

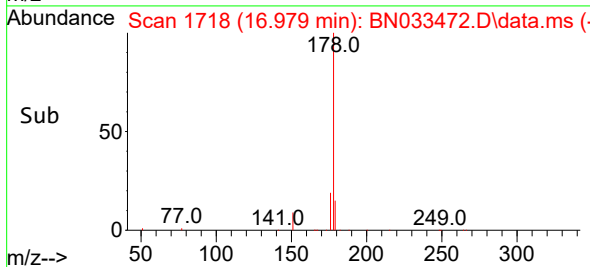
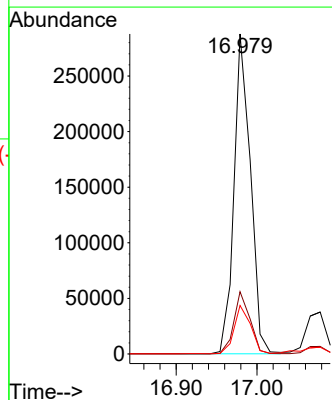
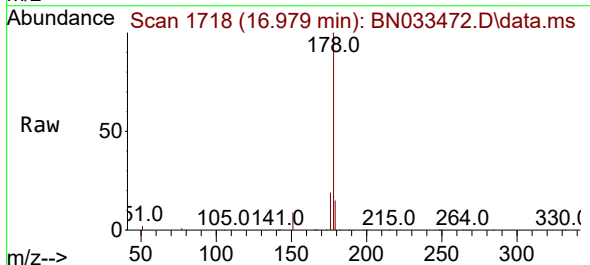
Manual Integrations
APPROVED

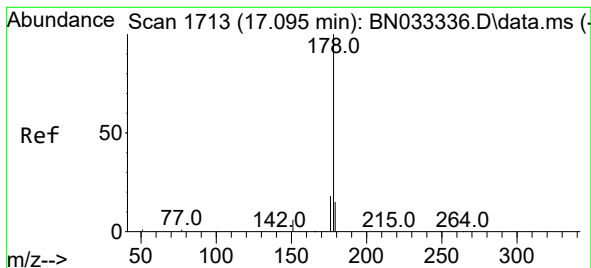
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#25
Phenanthrene
Concen: 6.479 ng
RT: 16.979 min Scan# 1718
Delta R.T. -0.012 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

Tgt Ion:178 Resp: 407797
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.3 12.2 18.2





#26

Anthracene

Concen: 1.083 ng

RT: 17.078 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN033472.D

Acq: 17 Aug 2024 17:33

Instrument :

BNA_N

ClientSampleId :

926-K1-SD-0-0.5-081224

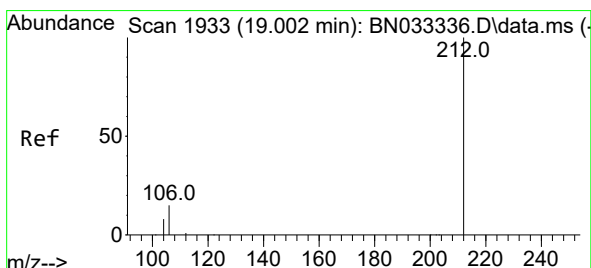
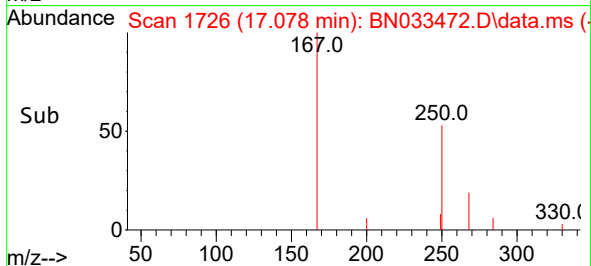
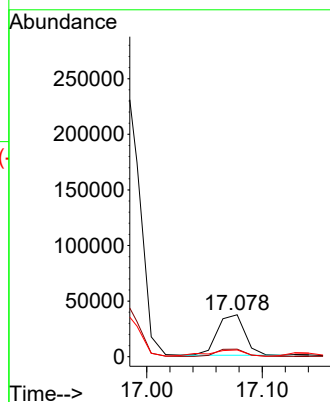
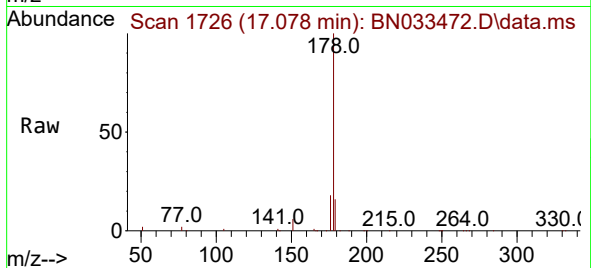
Tgt Ion:178 Resp: 6033

Ion	Ratio	Lower	Upper
178	100		
176	19.7	14.7	22.1
179	20.2	12.2	18.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#27

Fluoranthene-d10

Concen: 0.136 ng

RT: 18.984 min Scan# 1944

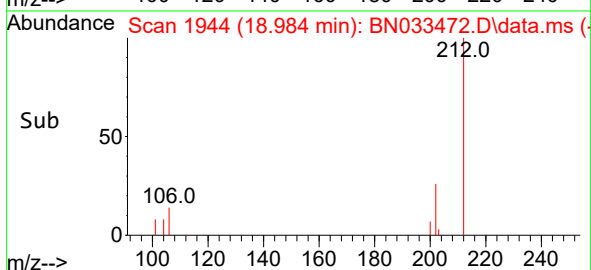
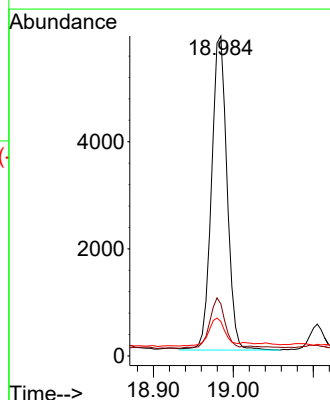
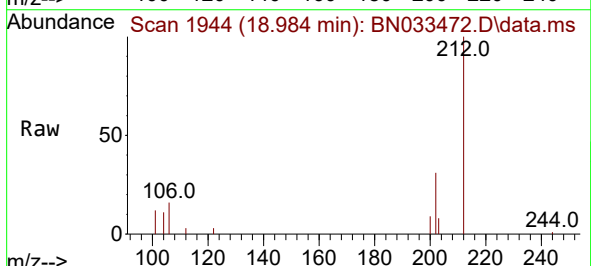
Delta R.T. -0.009 min

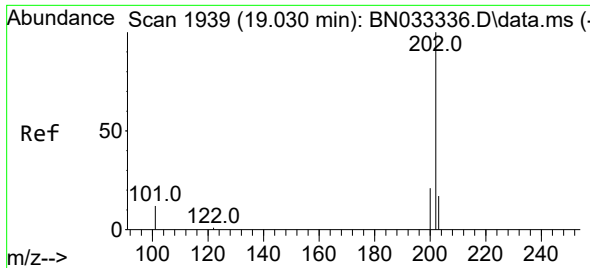
Lab File: BN033472.D

Acq: 17 Aug 2024 17:33

Tgt Ion:212 Resp: 7909

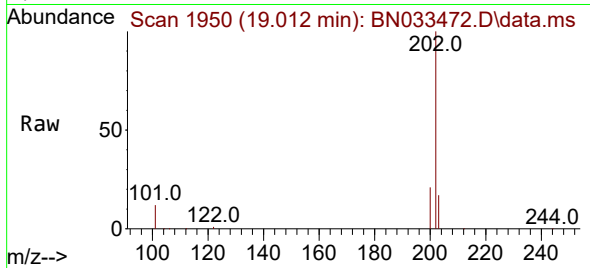
Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.8	19.2
104	9.4	7.1	10.7





#28
Fluoranthene
Concen: 7.755 ng
RT: 19.012 min Scan# 1950
Delta R.T. -0.009 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

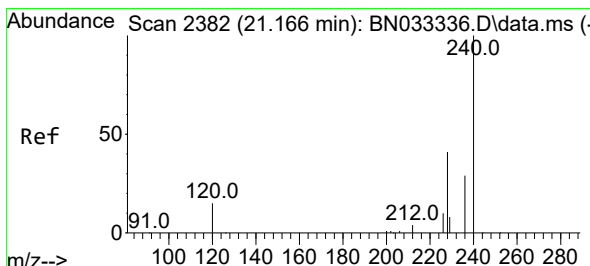
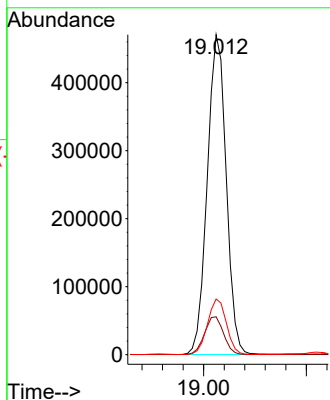
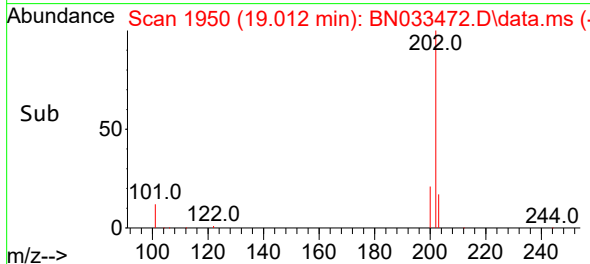
Instrument :
BNA_N
ClientSampleId :
926-K1-SD-0-0.5-081224



Tgt Ion:202 Resp: 600952
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
203 17.3 13.8 20.6

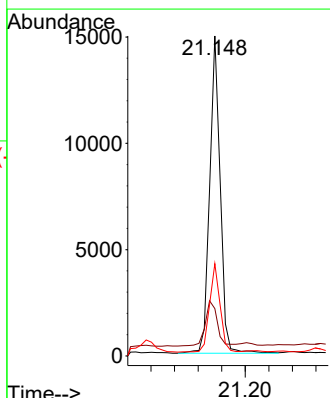
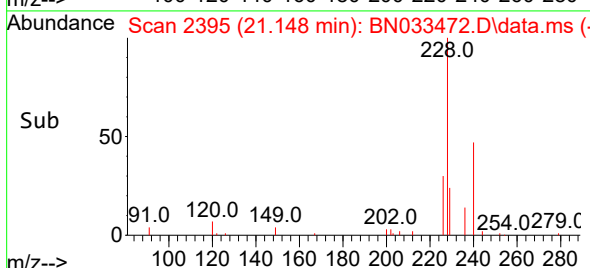
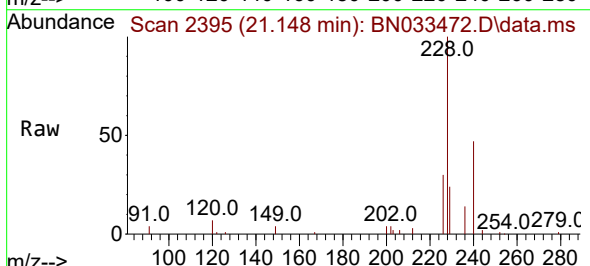
Manual Integrations
APPROVED

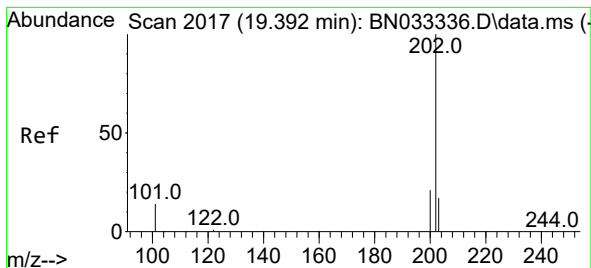
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.148 min Scan# 2395
Delta R.T. -0.009 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

Tgt Ion:240 Resp: 18527
Ion Ratio Lower Upper
240 100
120 14.8 13.0 19.6
236 28.9 23.2 34.8





#30

Pyrene

Concen: 6.503 ng

RT: 19.374 min Scan# 2076

Delta R.T. -0.009 min

Lab File: BN033472.D

Acq: 17 Aug 2024 17:33

Instrument :

BNA_N

ClientSampleId :

926-K1-SD-0-0.5-081224

Tgt Ion:202 Resp: 479680

Ion Ratio Lower Upper

202 100

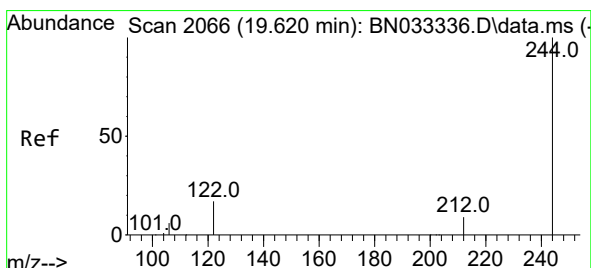
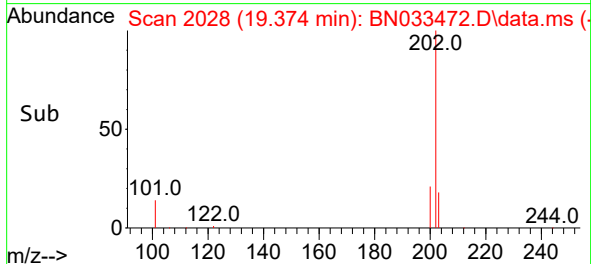
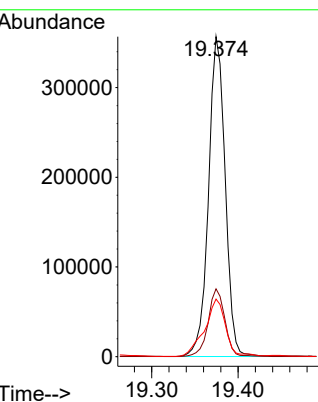
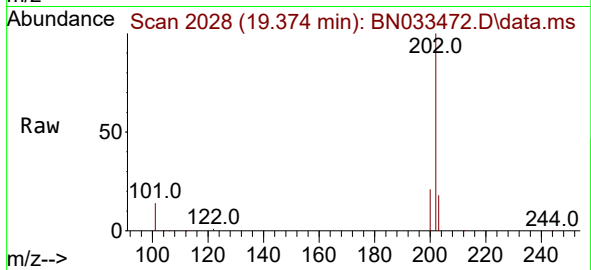
200 21.4 16.7 25.1

203 22.5 14.2 21.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#31

Terphenyl-d14

Concen: 0.161 ng

RT: 19.597 min Scan# 2076

Delta R.T. -0.009 min

Lab File: BN033472.D

Acq: 17 Aug 2024 17:33

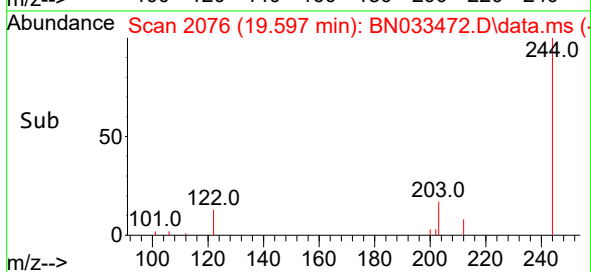
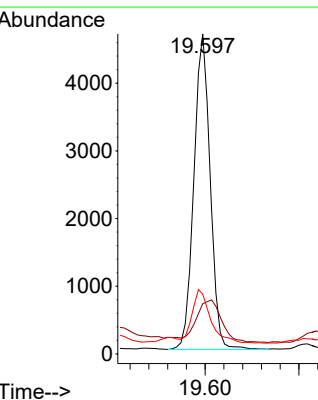
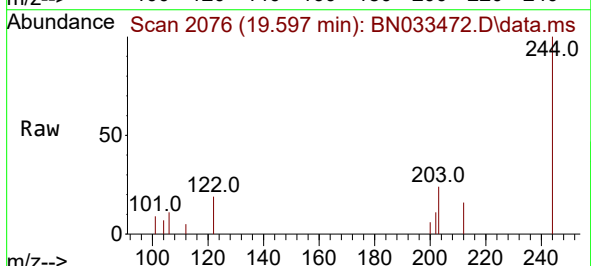
Tgt Ion:244 Resp: 5622

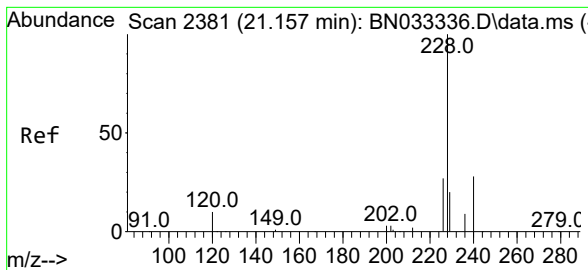
Ion Ratio Lower Upper

244 100

212 15.7 7.7 11.5

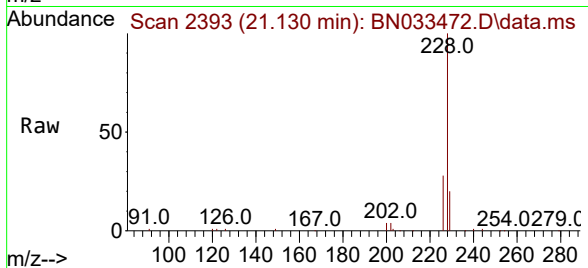
122 18.7 14.0 21.0





#32
Benzo(a)anthracene
Concen: 3.097 ng
RT: 21.130 min Scan# 21432
Delta R.T. -0.009 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

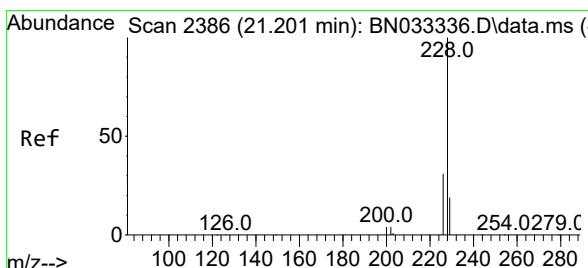
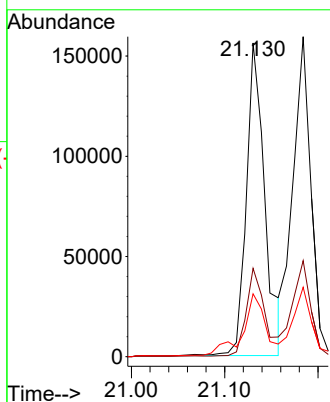
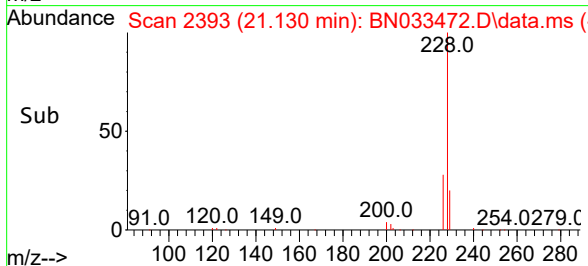
Instrument : BNA_N
ClientSampleId : 926-K1-SD-0-0.5-081224



Tgt Ion:228 Resp: 21432
Ion Ratio Lower Upper
228 100
226 28.1 21.6 32.4
229 20.0 15.9 23.9

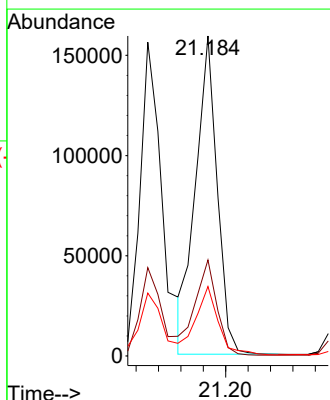
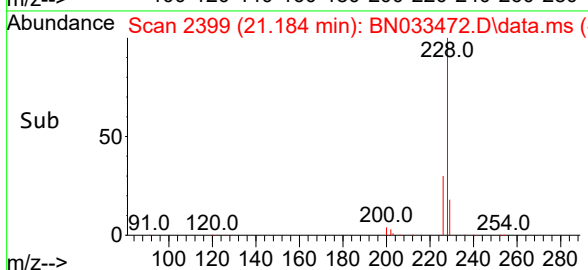
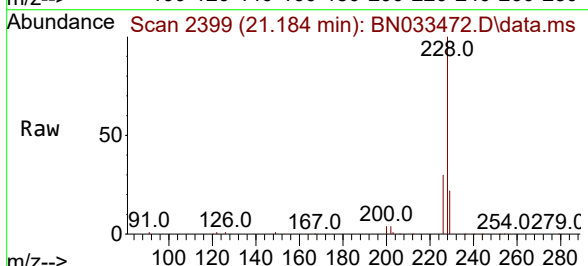
Manual Integrations
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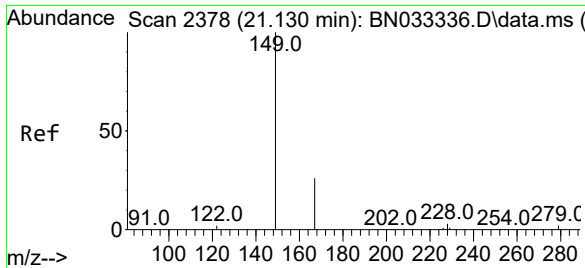
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#33
Chrysene
Concen: 3.055 ng
RT: 21.184 min Scan# 2399
Delta R.T. -0.009 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

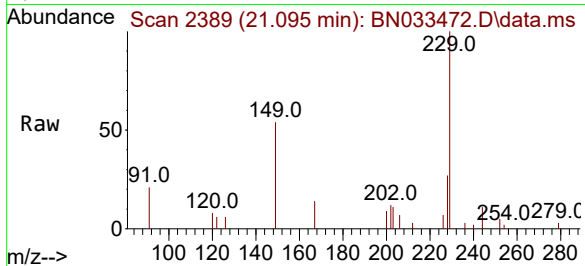
Tgt Ion:228 Resp: 212818
Ion Ratio Lower Upper
228 100
226 30.0 24.7 37.1
229 21.7 15.4 23.2





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.123 ng
RT: 21.095 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

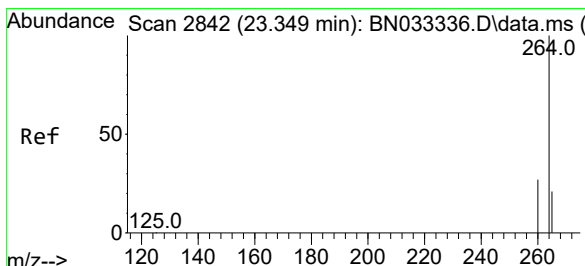
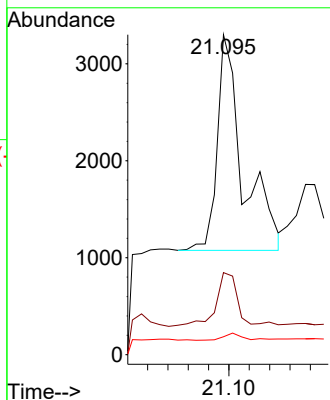
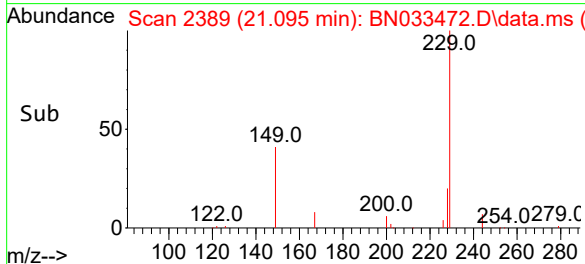
Instrument :
BNA_N
ClientSampleId :
926-K1-SD-0-0.5-081224



Tgt Ion:149 Resp: 3869
Ion Ratio Lower Upper
149 100
167 20.7 20.9 31.3
279 2.7 2.2 3.4

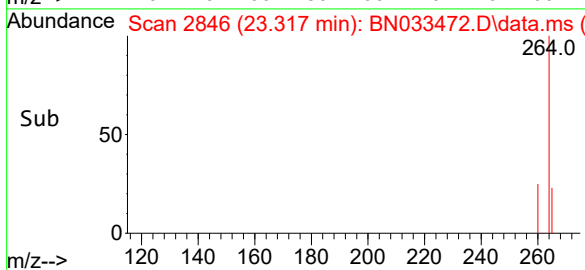
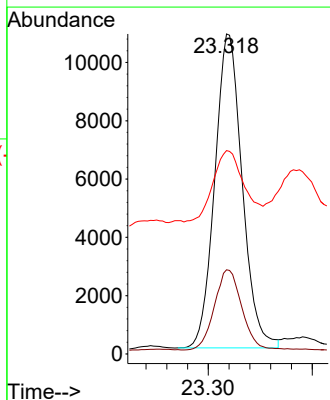
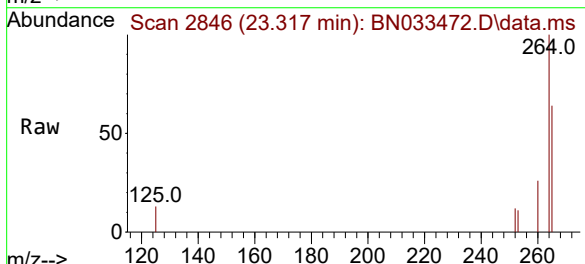
Manual Integrations
APPROVED

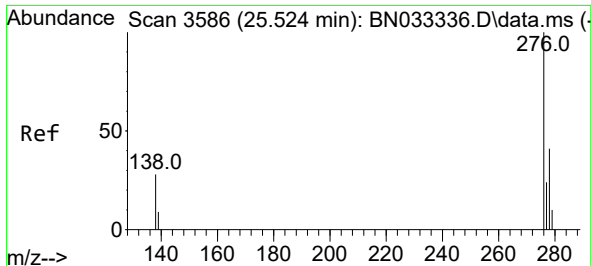
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.317 min Scan# 2846
Delta R.T. -0.015 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

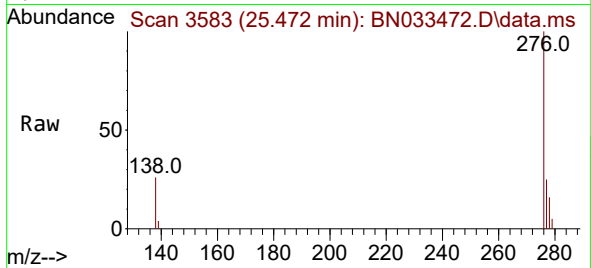
Tgt Ion:264 Resp: 19734
Ion Ratio Lower Upper
264 100
260 26.3 21.6 32.4
265 63.6 29.3 43.9#





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.699 ng
 RT: 25.472 min Scan# 3583
 Delta R.T. -0.026 min
 Lab File: BN033472.D
 Acq: 17 Aug 2024 17:33

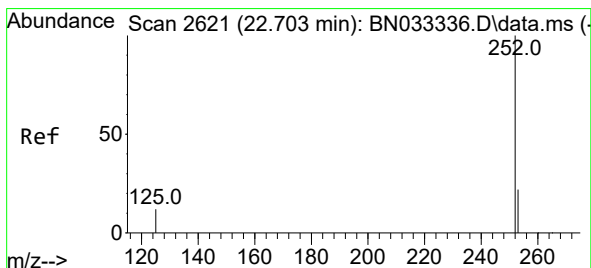
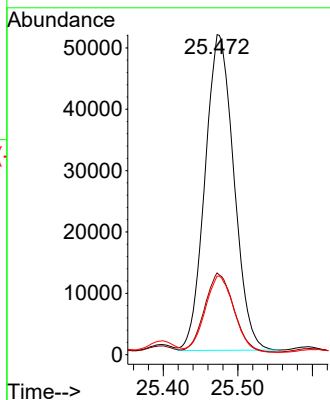
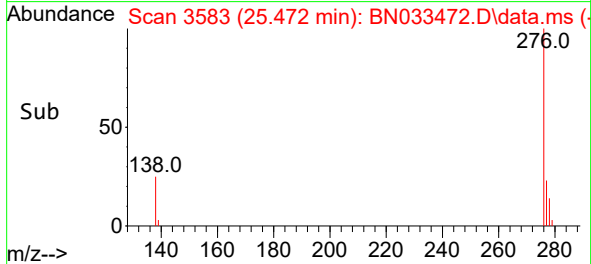
Instrument :
 BNA_N
 ClientSampleId :
 926-K1-SD-0-0.5-081224



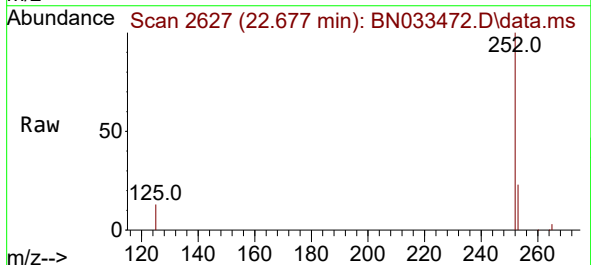
Tgt Ion: 276 Resp: 13852
 Ion Ratio Lower Upper
 276 100
 138 25.3 24.9 37.3
 277 24.3 19.8 29.6

Manual Integrations
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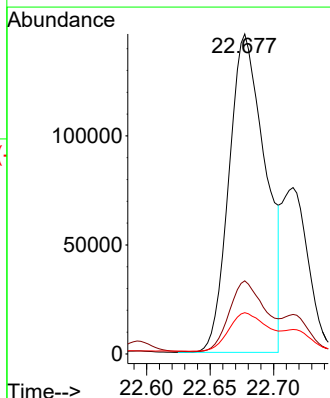
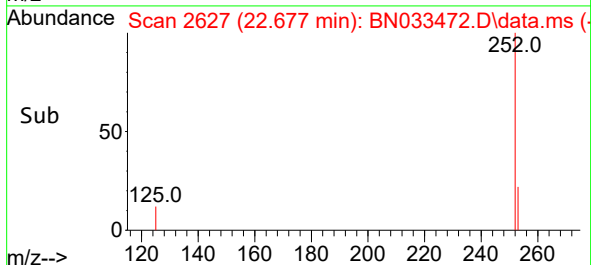
Reviewed By :Jagrut Upadhyay 08/19/2024
 Supervised By :mohammad ahmed 08/21/2024

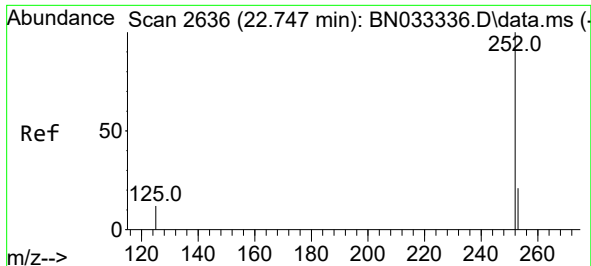


#37
 Benzo(b)fluoranthene
 Concen: 3.906 ng
 RT: 22.677 min Scan# 2627
 Delta R.T. -0.009 min
 Lab File: BN033472.D
 Acq: 17 Aug 2024 17:33



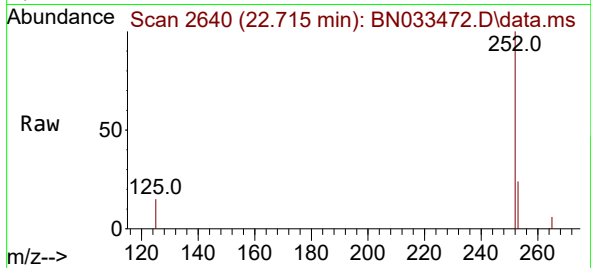
Tgt Ion: 252 Resp: 290057
 Ion Ratio Lower Upper
 252 100
 253 22.8 18.2 27.2
 125 12.9 11.3 16.9





#38
Benzo(k)fluoranthene
Concen: 1.433 ng m
RT: 22.715 min Scan# 2640
Delta R.T. -0.015 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

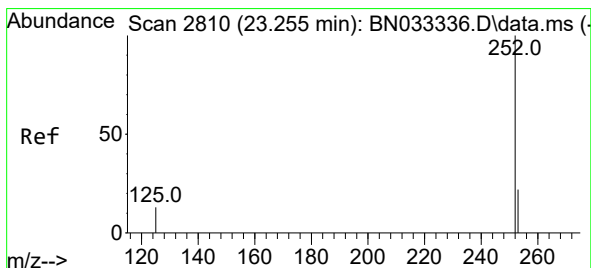
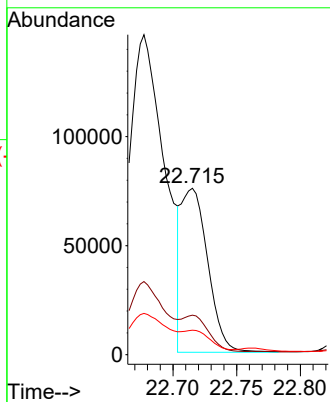
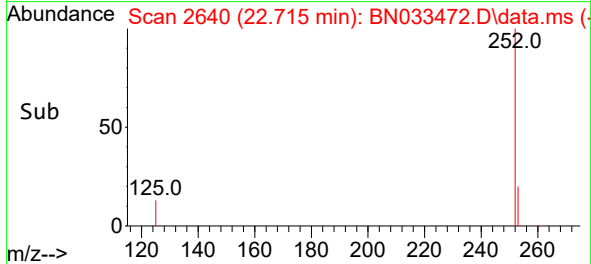
Instrument :
BNA_N
ClientSampleId :
926-K1-SD-0-0.5-081224



Tgt Ion:252 Resp: 108654
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 14.7 11.3 16.9

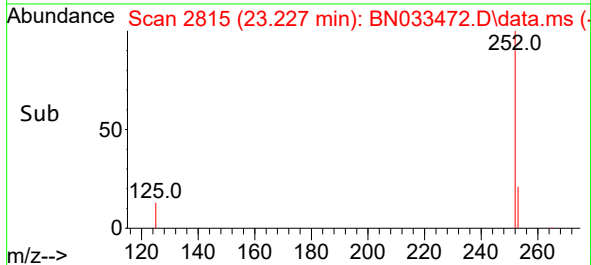
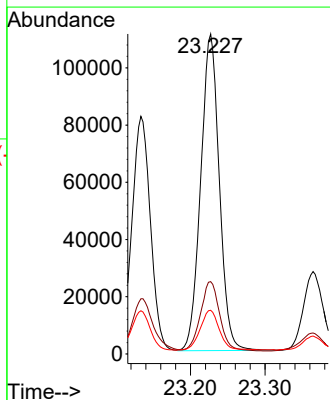
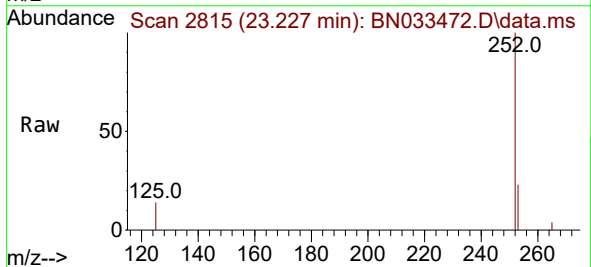
Manual Integrations
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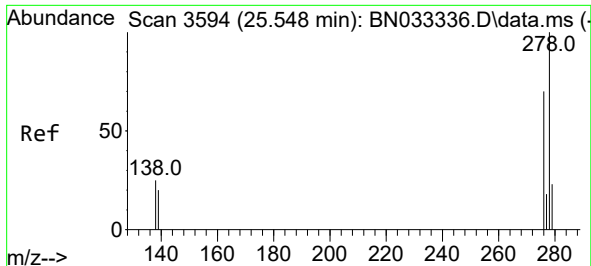
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#39
Benzo(a)pyrene
Concen: 3.066 ng
RT: 23.227 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

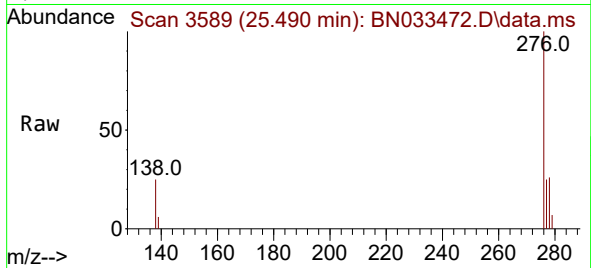
Tgt Ion:252 Resp: 191800
Ion Ratio Lower Upper
252 100
253 22.6 18.6 28.0
125 13.7 12.6 19.0





#40
Dibenzo(a,h)anthracene
Concen: 0.473 ng
RT: 25.490 min Scan# 3589
Delta R.T. -0.026 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

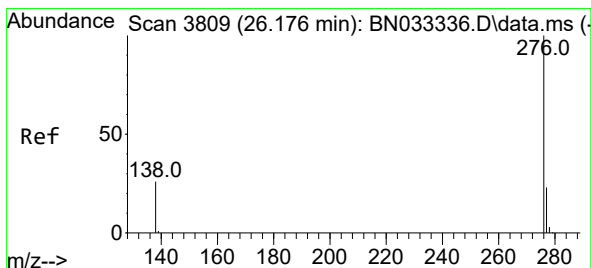
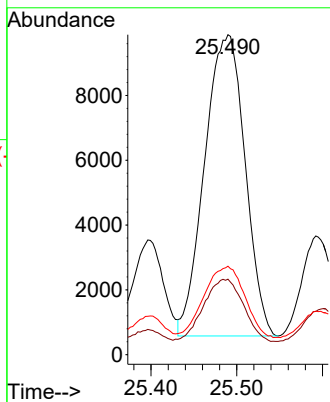
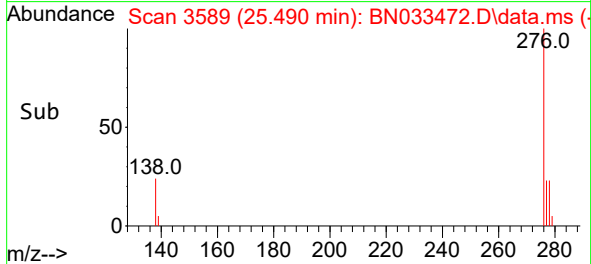
Instrument :
BNA_N
ClientSampleId :
926-K1-SD-0-0.5-081224



Tgt Ion:278 Resp: 3044
Ion Ratio Lower Upper
278 100
139 23.6 17.0 25.6
279 27.6 20.0 30.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#41
Benzo(g,h,i)perylene
Concen: 1.958 ng
RT: 26.130 min Scan# 3808
Delta R.T. -0.020 min
Lab File: BN033472.D
Acq: 17 Aug 2024 17:33

Tgt Ion:276 Resp: 139816
Ion Ratio Lower Upper
276 100
277 23.7 19.4 29.2
138 26.2 21.6 32.4

